BIMForum	LOD Specification 2018 Part	tn, I I I I I I	This work is licensed under the Creative Commons. Attribution-NonCommercial 4.0 International License	Milestones shown here are examples only ->		SD	DD		С	CD		Estimating		Estima		LE	ED Cert.		O Cert	
	Uniformat Level	Omniclass Level 을	With a second control of the second control			Date	Date		Da			Est. 1 Date		Bid P Dat	e		Check Date		mittal ate	
		6 P 1 2 3 4 5 6 E	INFORMATION	Relevant Attribute Tables	LOD	MEA Notes	LOD MEA	Notes	LOD M	IEA Notes		LOD MEA	Notes	LOD ME	A Notes	LOD	MEA Notes	LOD N	1EA Notes	Н—
		36- 51	OFFICE RESOURCES																	
		36- 51 73 36- 51 73 11	Office Model Templates Model Content																	
		36- 51 73 11 13 36- 51 73 11 13 11	Model Annotation Content																	
		36- 51 73 11 13 11	Properties Zones/Rooms/Spaces							_										
		36- 51 73 11 13 11 19 36- 51 73 11 13 17 36- 51 73 11 13 17 11	Symbols																	
		36- 51 /3 11 13 17 11 36- 51 /3 11 13 17 13 21- 21- 01 01	Horizontal Grids Vertical Levels																	_
	Δ.	21-	ELEMENTS																	Н
	A 10	21- 01 01	SUBSTRUCTURE Foundations	A, B Concrete; A, B Wood; A, B Masonry; A, B Precast																
				Concrete																
	A 10 10	21- 01 01 01	Standard Foundations	A, B Concrete; A, B Wood; A, B Masonry; A, B Precast Concrete																
	A 10 10 ##	21- 01 01 01 01	Wall Foundations	A, B Concrete; A, B Wood; A, B Masonry; A, B Precast Concrete																
	A 10 10 ##	21- 01 01 01 03	Column Foundations	A, B Concrete; A, B Wood; A, B Masonry; A, B Precast Concrete																
	A 10 10 ##	21- 01 01 01 09	Standard Foundation Supplementary																	
	A 10 20	21- 01 01 02	Special Foundations	A, B Concrete; A, B Wood; A, B Masonry; A, B Precast Concrete																
	A 10 20 ##	21- 01 01 02 01	Driven Piles	CATTO UNE																
	A 10 20 ##	21- 01 01 02 15 21- 01 01 02 02	Bored Piles Calssons																	
	A 10 20 ##	21- 01 01 02 03	Special Foundation Walls Foundation Anchors																	
	A 10 20 ##	21- 01 01 02 04 21- 01 01 02 05	Underpinning																	
	A 10 20 ##	21- 01 01 02 06	Raft Foundations Pile Caps																	
	A 10 20 ##	21- 01 01 02 08	Grade Beams	A, B Concrete; A, B Wood; A, B Masonry; A, B Precast																
	A 20	21- 01 02	Subgrade Enclosures	Concrete A, B Concrete; A, B Wood; A, B Masonry; A, B Precast																
	A 20 10	21- 01 02 01	Walls for Subgrade Enclosures	A, B Concrete; A, B Wood; A, B Masonry; A, B Precast																
	A 20 10 ##	21- 01 02 01	Subgrade Enclosure Wall Construction	Concrete							L-									
	A 20 10 ##		Subgrade Enclosure Wall Interior Skin																	
	A 20 10 ##	21- 01 02 01 09	Subgrade Enclosure Wall Supplementary Components																	
	A 40	21- 01 04 01	Slabs-on-Grade Standard Slabs-on-Grade	A, B - Str. Concrete A, B Concrete																
	A 40 20	21- 01 04 02	Structural Slabs-on-Grade Slab Trenches	A, B Concrete																—
	A 40 40	21- 01 04 03 21- 01 04 04	Pits and Bases																	
	A 40 90 ##	21- 01 04 09	SlabOn-Grade Supplementary Components Perimeter Insulation																	-
			Vapor Retarder																	
	A 40 90 ##	21- 01 04 09 03	Waterproofing Mud Slab													-				_
	A 40 90 ##	21- 01 04 09 05	Subbase Layer																	
	A 60 10	21- 01 06 01	Water and Gas Mitigation Building Subdrainage										_							
	A 60 10 ##	21- 01 06 01 01	Foundation Drainage Underslab Drainage																	Н.
	A 60 20	21: 01 04 09 02 21: 01 04 09 03 21: 01 04 09 04 21: 01 04 09 05 21: 01 06 0 21: 01 06 01 21: 01 06 01 21: 01 06 01 21: 01 06 01 21: 01 06 00 21: 01 06 00 21: 01 06 00	Off-Gassing Mitigation																	
	A 60 20 ##	21- 01 06 02 01	Radon Mitigation Maethane Mitigation																	
	A 60 20 ## A 90	21- 01 09 02 02	Substructure Related Activities																	
	A 90 10	21- 01 09 01	Substructure Excavation Construction Dewatering																	
	A 90 30	21- 01 09 03	Excavation Support																	
	A 90 30 ##	21- 01 09 03 01	Anchor Tiebacks Cofferdams																	
	A 90 30 ##	21- 01 09 03 04	Cribbing and Walers Ground Freezing																	1
	A 90 30 ##	21: 01: 09 01 21: 01: 09 01 21: 01: 09 02 21: 01: 09 02 21: 01: 09 03 21: 01: 09 03: 01 21: 01: 09 03: 01 21: 01: 09 03: 02 21: 01: 09 03: 06 21: 01: 09 03: 06 21: 01: 09 03: 06 21: 01: 09 03: 06 21: 01: 09 03: 07	Slurry Walls																	
	A 90 40	21- 01 09 04	Soil Treatment SHELL																	
	B 10	21- 02 01 21- 02 01 01 21- 02 01 01	Superstructure																	
			Floor Construction	A, B Cold Formed Metal Framing; A, B Masonry; A, B Metal Deck; A, B Precast Concrete; A,B Steel Joist; A, B																
				Structural Steel; A. R. Concrete: A. R. Mood																
	B 10 10 ##	21- 02 01 01 01 01	Floor Structural Frame Concrete	A, B Concrete							.									
	B 10 10 ## ##	21- 02 01 01 01 11	Precast Structural Inverted T Beam	A, B Precast Concrete																
	B 10 10 ## ##	21. 02 01 01 00 01 22. 02 01 01 00 01 23. 02 01 00 00 01 24. 02 01 00 00 01 25. 02 01 00 00 01 25. 02 01 00 01 00 11 25. 02 01 00 01 00 11 25. 02 01 00 01 00 10 25. 02 01 00 01 00 00 25. 02 01 00 00 00 25. 02 00 00 00 25. 02 00	Precast Structural Column Masonry	A, B Masonry																
	B 10 10 ## ##	21- 02 01 01 01 03	Steel Framing Columns Steel Framing Beams	A, B Structural Steel A, B Structural Steel																
	B 10 10 ## ##	21- 02 01 01 01 04	Steel Framing Bracing Rods	A, B Structural Steel																
	B 10 10 ## ##	21- 02 01 01 01 06	Steel Joists Cold-Formed Metal Framing	A, B Steel Joist A, B Cold Formed Metal Framing																
	B 10 10 ## ##	21- 02 01 01 01 08	Wood Floor Trusses	A, B Wood																
	B 10 10 ##	21- 02 01 01 02 01	Floor Decks, Slabs, and Toppings Wood Floor Deck	A, B Wood																
	B 10 10 ## ##	21- 02 01 01 02 02	Metal Floor Deck	A, B Metal Deck																
	B 10 10 ## ##	21- 02 01 01 02 03	Composite Floor Deck Concrete	A, B Structural Steel; A, B Concrete A, B Concrete							L-									
	B 10 10 ## ##	21- 02 01 01 02 41	Precast Structural Double Tee Balcony Floor Construction	A, B Precast Concrete																
	B 10 10 ##	21- 02 01 01 04	Mezzanine Floor Construction																	
	B 10 10 ##	21- 02 01 01 05	Ramps Floor Construction Supplementary Components																	_
	B 10 10 ##	21- 02 01 01 09	Roof Construction	A, B Cold Formed Metal Framing; A, B Masonry; A, B							.									
	B 10 20	21- 02 01 02	- Londington	A, B Cold Formed Metal Framing; A, B Masonry; A, B Metal Deck; A, B Precast Concrete; A,B Steel Joist; A, B Structural Steel:							l									
		W 00 00 00	Roof Structural Frame	Structural Steel; A. B. Concrete: A. B. Mood A, B. Structural Steel; A, B. Concrete; A, B. Steel Joist																
	B 10 20 ## B 10 20 ## B 10 20 ## B 10 20 ##	21- 02 01 02 02	Roof Decks, Slabs, and Sheathing	A, B Structural Steel; A, B Concrete; A, B Steel Joist A, B Steel Joist; A, B Metal Deck																
	B 10 20 ##	21- 02 01 02 03	Canopy Construction Roof Construction Supplementary Components																	
	B 10 20 mm	21- 02 01 02 03	пол сопроволя заррения у сопроволя																	Щ

Continued to Con	LEED Cert. Check Date Date D MEA Notes	LEED Cert Submittal Date LOO MEA Notes
1 1 2 3 4 5 6 6 1 2 3 4 5 6 6 8 1 2 3 4 5 6 6 8 1 2 3 4 5 6 6 8 1 2 3 4 5 6 6 8 1 2 3 4 5 6 6 8 1 3 3 3 3 5 6 6 8 1 3 3 3 3 5 6 6 8 1 3 3 3 3 3 5 6 6 8 1 3 3 3 3 3 3 3 3 3	Date Date Date Date Date Date Date Date	Date LOD MEA Notes
Sale Society Sale		
No.		
S		
1		
B 10 80 88 21 - 10 20 08 65 Star Railing: A B Structural Steet, A B Prestat Concrete, A B		
B 10 80 81 21 22 10 20 60 67 Mode Walkings A 8 Structural Storage		
B 10 80 81 21 22 23 26 86 77 Mode Walkings A 8 Structural Stock A B Process Concrete, A B 8 80 81 81 80 81 21 22 23 23 24 24 24 24 24		
A 5 Section 5 Se		
1 8 20 10 21 22 20 20 10 22 20 20		
B 20 10 st 2-1-02 02 01 01 21-02 02 01 01 01 Easter Walls B - Ett. Wall		
8 20 10 at 2 12 10 20 20 10 at 2 12 12 12 12 12 12 12 12 12 12 12 12 1		
B 20 10 set 2-1-0 (20 0.0 (0.0 c) Enterior Wall Conduction A, 8 Ecraf Formed Metal Framing, A 8 Wood B 20 10 set 2-1-0 (0.0 c) 0.0 c) Enterior Wall Conduction A 8 Ecraf Formed Metal Framing, A 8 Wood B 20 10 set 2-1-0 (0.0 c) 0.0 c) Enterior Wall- Wood B 2-1-0 (0.0 c) 0.0 c) Enterior Wall- Wood B 2-1-0 (0.0 c) 0.0 c) Enterior Wall- Wood B 2-1-0 (0.0 c) 0.0 c) Enterior Wall- Wood B 2-1-0 (0.0 c) 0.0 c) Enterior Wall- Wood B 2-1-0 (0.0 c) 0.0 c) Enterior Wall- Wood B 2-1-0 (0.0 c) 0.0 c) Enterior Wall- Wood B 2-1-0 (0.0 c) 0.0 c) Enterior Wall- Wood B 2-1-0 (0.0 c) 0.0 c) Enterior Wall- Wood B 2-1-0 (0.0 c) 0.0 c) Enterior Wall- Wood B 2-1-0 (0.0 c) 0.0 c) Enterior Wall- Wood B 2-1-0 (0.0 c) 0.0 c) Enterior Wall- Wood B 2-1-0 (0.0 c) 0.0 c) Enterior Wall- Wood B 2-1-0 (0.0 c) 0.0 c) Enterior Wall- Wood B 2-1-0 (0.0 c) 0.0 c) Enterior Wall- Wood B 2-1-0 (0.0 c) 0.0 c) Enterior Wall- Wood B 2-1-0 (0.0 c) 0.0 c) Enterior Wall- Wall- Wood B 2-1-0 (0.0 c) 0.0 c) Enterior Wall- Wall- Wood B 2-1-0 (0.0 c) 0.0 c) Enterior Wall- Wall- Wood B 2-1-0 (0.0 c) 0.0 c) Enterior Wall- Wall- Wood B 2-1-0 (0.0 c) 0.0 c) Enterior Wall- Wall- Wood B 2-1-0 (0.0 c) 0.0 c) Enterior Wall- Wall- Wood B 2-1-0 (0.0 c) 0.0 c) 0.0 c) Enterior Wall- Wall- Wood B 2-1-0 (0.0 c) 0.0		
S 20 10 at at at 2-1-0 (20 0.1 (20 22 Exterior Walls - Color Four Metal Framing		
B 20 10 ms ms 21 21 02 02 01 02 03 Exterior Walls - Maconcy B 20 10 ms ms 2 21 02 02 01 02 03 Exterior Walls - Maconcy B 20 10 ms ms 2 21 02 02 01 02 04 Exterior Walls - Maconcy B 20 10 ms ms 2 21 02 02 01 02 04 Exterior Walls - Maconcy B 20 10 ms ms 2 21 02 02 01 02 04 Exterior Walls - Maconcy B 20 10 ms ms 2 21 02 02 01 02 04 Exterior Walls - Maconcy		
B 20 10 mm mm 21-102 02 01 02 04 Exterior Walls- Present Concrete B 20 10 mm mm 21-102 02 01 02 04 Exterior Walls- Present Concrete Description (Miles Present Concrete) Description (Miles Present Concrete)		
8 20 10 88 21-02 02 01 03 Exterior Wall Interior Skin 21-02 02 01 04 Salicicade Sterior Wall Assemblies 21-02 02 02 01 04 Salicicade Sterior Wall Assemblies 21-02 02 02 02 02 02 02 02 02 02 02 02 02 0		
B 20 10 ## 21-02 02 04 04 Fanciand axenor wall assembles		
8 20 10 at 2 2 2 2 2 2 2 2 3 5		
8 20 10 88 21- 102 82 01 08 Exterior Wall Supplementary Components		
B 20 20 21 21 02 02 02 C Catarior Windows B - Est. Openings		
8 20 20 88 21.0 20 20 20 01 State Copyright Windows 2 21.0 20 20 20 01 State Copyright Windows 2 21.0 20 20 20 20 State Copyright Windows 2 21.0 20 20 20 20 State Copyright Windows 2 21.0 20 20 20 20 State Copyright Windows 2 21.0 20 20 20 20 20 State Copyright Windows 2 21.0 20 20 20 20 State Copyright Windows 2 21.0 20 20 20 20 20 State Copyright Windows 2 21.0 20 20 20 20 State Copyright Windows 2 21.0 20 20 20 20 State Copyright Windows 2 21.0 20 20 20 20 State Copyright Windows 2 21.0 20 20 20 20 State Copyright Windows 2 21.0 20 20 20 State Copyright Windows 2 21.0 20 20 20 State Copyright Windows 2 21.0 21.0 21.0 21.0 21.0 21.0 21.0 21		
B 20 20 mm 22 1 02 02 03 Esterior Window Wall		
8 20 50 2 21 20 20 25 5 1 Saterio Rosea ad cilities 8 - Sat. Doors 9 21 20 20 20 5 20 21 20 20 50 20 Saterio Rosea ad cilities 9 - Sat. Doors 9 21 21 20 20 20 50 20 Saterio Rosea 20 20 20 20 Saterio Rosea 20 20 20 20 20 20 20 20 20 20 20 20 20		
B 20 50 MH 21- 02 02 05 02 Exterior Utility Doors		
B 20 50 MM 21- 02 02 05 04 Exterior Special Function Doors		
8 20 25 at 21 - 12 - 12 - 12 - 12 - 12 - 12 - 12		
8 20 30 0 RF 2.1 1/2 (2/ 20 5/ 07) Astronocutes		
P 20 70 23 03 03 03 07 Exterior lowers and Vents R - Fxt Jonvers and Vents		
B 20 70 100 21 102 20 80 Exterior Wells.		
B 20 80 ## 21- 02 02 08 03 Exterior Opening Protection Devices		
8 20 80 8F 22 10 00 8F 21-02 02 08 05 1 Control Solvey Wilso and Resilience 1 1 Control Solvey Wilso and Resilience 1 1 Control Solvey Wilso and Resilience 1 1 Control Solvey Wilson Wilson Solvey Wilson Wi		
B 20 90 21 02 09 Exterior Wall Specialties		
8 50 10 67 72 22 23 23 23 25 25 25 2		
B 30 20 ## 21- 02 03 02 03 Roof Specialties		
8 50 20 88 23-10 23 20 20 20 20 20 20 2		
8 80 40 88 21 02 03 04 05 10 05 05 05 05 05		
B 30 40 81 22-1 02 30 40 63 Notice and Waterprofing Membrane		
8 50 60 71: 02 03 66 Redoomle Opening 8 - Ext. Opening		
1 8 30 60 80 21 02 03 60 10 Rock Windows and Skrights		
8 30 60 81 22 12 20 30 60 91 Recovered Operage Supplementary Components 9 9 9 9 9 9 9 9 9		
8 30 80 22: 02 03 06 Overhoad Exterior Endowers College (supp. Cellings)		
C 10 10 2 21 30 101 Pastion C-Parties		
C 10 10 0 21 00 01 01 Partitions C-Partitions C-Partition		
C. [10] [10] set [set 2-1 3] 9.1 (0, 10, 10, 10] Million Millio		
C 10 10 at 21 - 10 30 0 10 10 45 Interior Communicate Partitions		
C 10 10 88 21- 03 01 01 09 Interior Puritions Supplementary Components C 10 20 2 21- 03 01 02 Interior Windows C - Int. Windows C - Int. Windows		
C 10 20 ## 21- 03 01 02 01 Interior Operating Windows		
C 10 20 88 21 03 01 02 02 Interior Fixed Windows		
C 10 20 88 21-03 0.0 20 55 Interior Special Incident Windows (C 10 10 20 88 21-03 0.0 20 55 Interior Special Incident Windows (C 10 10 20 88 21-03 0.0 20 55 Interior Special Incident Windows Special Incident		
1 C 10 30 21 - 10 30 30 1 11 11 11 11		
C 10 30 ## 21-103 01 03 25 Interior Sliding Doors		
C 10 30 8F 21-00 10 10 10 10 40 Heter College Boors		
C 10 30 8# 21-103 01 (03 07) Interior Special Function Doors		
1 C 10 50 8F 12-10 10 10 10 10 10 10 10		
C 19 30 ## 121 03 01 (3 09) Interior Dos Septementary Components C 19 040 21 03 01 (04) Interior Dos Septementary Components C - Ind. Doors		

BIMForum	LOD	Specificati			", T	1	T	Τ.	П		This work is licensed under the Creative Commons. Attribution-NonCommercial 4.0 International License	Milestones shown here are examples only ->		SD		DD			CD			Estimat Est. 1	ing	Е	stimatir Bid Pkg.	ıg		EED Cer Check	t.	LE Si	ED Cert	7	_
	Ш	Unifor			alde	Omni 1 2	class Li	evei		his roject				Date		Date			Date			Date			Date			Date			Date	#	
		1 2 C 10	10 ##		2:	- 03 01	04 0	1		- 6.	Interior Grilles	Relevant Attribute Tables	LOD	MEA Notes	LOD	MEA	Notes	LOD	MEA No	ites	LOD	MEA	Notes	LOD	MEA	Notes	LOD	MEA	Notes	LOD	MEA N	lotes	
	Н	C 10	10 ##		2:	l- 03 01 L- 03 01	04 0	5	Н		Interior Gates Raised Floor Construction	C - Raised Floor																				_	-
	П	C 10 C	50 ##		2:	- 03 01	06 0	1			Access Flooring																						
	H	C 10	70		2:	l- 03 01 l- 03 01	06 0	3	H		Platform/Stage Floors Suspended Ceiling Construction	C - Susp. Clg.																			_		-
		C 10	70 ##		2:	- 03 01	07 0	1			Acoustical Suspended Ceilings																					_	
	Ш	C 10	70 ##		2:	03 01	07 0	2	Ш		Suspended Plaster and Gypsum Board Cellings																						
	H	C 10	70 ##		2:	l- 03 01 l- 03 01	07 0	7	H		Specialty Suspended Ceilings Special Function Suspended Ceilings											-									-	-	+
	1 1	C 10	70 ##		2:	- 03 01	07 0	9			Ceiling Suspension Components																						
	H	C 10	90 ##		2:	- 03 01 - 03 01	09 0	1	H		Interior Specialties Interior Railings and Handrails	A, B Miscellaneous Steel																					
	1 1	C 10 5	1111 06		2:	- 03 01	09 1	5			Interior Louvers Information Specialties	B,C Louvers and Vents																			_	4	
	Ħ	C 10 9	90 ##		2:	l- 03 01 l- 03 01	09 0	5	Ħ		Compartments and Cubicles																						
	1 1	C 10 5	1111 06		2:	- 03 01	09 0	3			Service Walls Wall and Door Protection				-	+															\rightarrow	-	-
		C 10	90 ##		2:	- 03 01 - 03 01	09 0	4			Toilet, Bath and Laundry Accessories																						
		C 10	1111 06		2:	l- 03 01 l- 03 01	09 4	5			Interior Gas Lighting Fireplaces and Stoves				-							-									-	-	-
		C 10 9	90 ##		2:	- 03 01	09 0	6			Safety Specialties																						
	H	C 10 9	111 06		2:	l- 03 01 l- 03 01	09 0	9	H		Storage Specialties Other Interior Specialties	A, B Miscellaneous Steel				+															\rightarrow	+	
		C 20			1 2	- 03 02					Interior Finishes																						
	Ħ	C 20 : C 20 :	10 ##		2:	- 03 02 - 03 02	01 0	1	П		Wall Finishes Tile Wall Finish																					4	
	П	C 20	10 ##		2	03 02	01 0	2			Wall Paneling Wall Coverings																				4	4	
		C 20	10 ##		2:	l- 03 02 L- 03 02	01 0	5			Wall Carpeting																						
	1 1	C 20	10 ##		1 2	- 03 02 - 03 02	01 0	5			Stone Facing Special Wall Surfacing																				4	4	
		C 20	10 ##		2:	- 03 02	01 0	7	Ш		Wall Painting and Coating																						
		C 20	un Or		2:	- 03 02	01 0	8			Acoustical Wall Treatment Wall Finish Supplementary Components																				4		
		C 20	20		1 2	l- 03 02 l- 03 02	02				Interior Fabrications																						
		C 20 2	30		1 2	- 03 02	03				Flooring Treatment																				4		
		C 20 C 20 C 20	30 ##		2:	- 03 02	03 0	2			Tile Flooring																						
					2:	l- 03 02 l- 03 02	03 0	4	Н		Specialty Flooring Masonry Flooring				-							-									-	-	-
		C 20	30 ##		2:	- 03 02	03 4	5			Wood Flooring																						
	H	C 20	30 ##		2:	l- 03 02 l- 03 02	03 0	6	H		Resilient Flooring Terrazzo Flooring					+															\rightarrow	+	
					2:	- 03 02	03 0	7			Fluid-Applied Flooring																					_	
		C 20	30 ##		2:	- 03 02 - 03 02	03 7	8	H		Carpeting Athletic Flooring				-																-	_	-
		C 20	30 ##		2:	- 03 02 - 03 02	03 8	5			Entrance Flooring Flooring Supplementary Components																						
		C 20 20 C 20 C	10		2:	- 03 02 - 03 02	04	9			Stair Finishes																						
	H	C 20	10 ##		2:	l- 03 02 l- 03 02 l- 03 02	04 0	4	Н		Tile Stair Finish Masonry Stair Finish				-							-									-	-	-
					2:	- 03 02	04 4	5			Wood Stair Finish																						
	H	C 20 4	10 ##		2:	- 03 02 - 03 02	04 0	6	H		Resilient Stair Finish Terrazzo Stair Finish				-																-	_	-
		C 20 4	10 ##		2	- 03 02	04 7	5			Carpeted Stair Finish																						
	Ħ	C 20 1 C 20 1	50 ##		2:	l- 03 02 l- 03 02 l- 03 02	05 0	1	Ħ		Ceiling Finishes Plaster and Gypsum Board Finish																						
		C 20 5	50 ##		2:	- 03 02 - 03 02	05 0	2			Ceiling Paneling Ceiling Painting and Coating																				_	4	
		C 20	50 ##		2:	- 03 02	05 0	8			Acoustic Ceiling Treatment																						
	H	C 20 1	50 ##		2:	- 03 02	05 0	9	H		Ceiling Finish Supplementary Components SERVICES																				-	_	-
		D 10			2:	- 04 01	1 1				Conveying																						
	1 1	D 10	10 ##		1 2	l- 04 01 l- 04 01	01 0	1			Vertical Conveying Systems Elevators																						
	П	D 10	10 ##		2:	- 04 01	01 0	2	П		Lifts Escalators																					_	
		D 10	10 ##		2:	- 04 01	01 0	5			Escalators Dumbwaiters																						
	1 1	D 10	10 ##		1 2	- 04 01	01 0	6			Moving Ramps Horizontal Conveying																						
		D 10	30 ##		2:	- 04 01	03 0	1			Moving Walks																						
	Н	D 10 D 10	30 ##	H	2:	- 04 01	03 0	5	Н		Turntables Passenger Loading Bridges																		-		4	-	
	1 1	D 10	30 ##		2:	- 04 01	03 0	7			People Movers																						
	H	D 10	50 ##		2:	l- 04 01 l- 04 01	05 n	1			Material Handling Cranes																						
	П	D 10 10 D 10 D	50 ##		2	- 04 01	05 0	2	П		Hoists																				_	_	
	H	D 10	50 ##		2:	l- 04 01 l- 04 01	05 0	4	H		Derrecks Conveyors																					4	
		D 10	50 ##		2:	- 04 01	05 0	5			Baggage Handling Equipment																						
	П	D 10	50 ##		2:	l- 04 01 L- 04 01	05 0	7			Chutes Pneumatic Tube Systems																						
		D 10 I	30		2:	- 04 01	08				Operable Access Systems Suspended Scaffolding																				4	4	
		D 10 I	30 ##		1 2	- 04 01 - 04 01	08 0	2			Rope Climbers																						
		D 10 I	30 ##		2:	l- 04 01 l- 04 01	08 0	3			Elevating Platforms Powered Scaffolding																		-		4	-	
	Ш	D 10 I	30 ##		2:	- 04 01	08 0	5	Ш		Building Envelope Access																						
		D 20			2:	04 02					Plumbing	D20 - Plumbing, D- Fluid_Gas Distribution; D50 - Flectrical																					
	H	D 20 :	10 ##		2	04 02	01 0	1	H		Domestic Water Distribution Facility Potable-Water Storage Tanks																						
		D 20	10 ##		1 2	- 04 02	01 0	2			Domestic Water Equipment																				_		
	H	D 20	10 ##	H	2:	l- 04 02 l- 04 02	01 0	6	Н		Domestic Water Piping Plumbing Fixtures																				+		
		D 20	10 ##		2:	- 04 02	01 0	9	П		Domestic Water Distribution Supplementary																						
	H	D 20	20		2.	04 02	02		П		Components Sanitary Drainage																						
	H	D 20	20 ##		2:	- 04 02 - 04 02	02 0	3	H		Sanitary Sewerage Equipment Sanitary Sewerage Piping																				=	-	
	П	D 20	20 ##		2:	- 04 02	02 0	9			Sanitary Drainage Supplementary Components																						
	_							-1							_	_				_		-											

BIMForum LOD Specification 2018 Part II Uniformat Level Omniclass Level	his work is licensed under the Creative Commons ttribution-NonCommercial 4.0 International License	Milestones shown here are examples only ->		SD	D)	1	CD		[Estimatin Est. 1	g		stimating Bid Pkg.		LE	ED Cert. Check	Ŧ	LEED Cer	1	—
1 2 3 4 5 6 F 1 2 3 4 5 6 F 5		Relevant Attribute Tables	LOD	Date MEA Notes	LOD M		6 LOD	Date	Notes		Date LOD MEA	Notes		Date MEA	Notes	LOD	Date	es L	Date OD MEA	Notes	
	Building Support Plumbing Systems Bromwater Drainage Equipment	Reference Actioner Tubies	100	mex notes	LOD III	A NOTE		III.CA	Wolcz		LOD INCA	INDICS	200	III.LA	HOLES	200	WILK NO.		WILK	HOLES	
D 20 30 ## 21- 04 02 03 01 58 D 20 30 ## 21- 04 02 03 02 58 D 20 30 ## 21- 04 02 03 02 58	tormwater Drainage Piping acility Stormwater Drains																	#			
D 20 30 ## 21- 04 02 03 06 Gr	Grav Water Systems																				
D 20 30 ## 21- 04 02 03 09 Bu	luilding Support Plumbing System upplementary Components																				
D 20 60 21- 04 02 06 Pr	Seneral Service Compressed-Air Process Support Plumbing Systems																				
D 20 60 ## 21- 04 02 06 01 Co	Compressed-Air Systems Vacuum Systems																	+			
D 20 60 ## 21- 04 02 06 03 GG	Sas Systems Chemical-Waste Systems																			F	
D 20 60 ## 21- 04 02 06 05 Pr	Processed Water Systems Process Support Plumbing System Supplementary																				
21 04 02 06 09	Components	D20 - Plumbing; D30 - HVAC; D- Air Distribution; D40 -																			
		Fire Protection; D- Fluid_Gas Distribution; D50 - Flectrical: D- Electrical Distribution																			
	acility Fuel Systems ruel Piping																				_
D 30 10 MM 21- 04 03 01 03 Fu	uel Pumps uel Storage Tanks																				
D 30 20 21- 04 03 02 He	leating Systems																				
D 30 20 ## 21- 04 03 02 03 Th	Heat Generation Thermal Heat Storage																				
D 30 20 ## 21- 04 03 02 07 De	Decentralized Heating Equipment Heating System Supplementary Components																				
D 30 30 21 04 03 03 C0	Cooling Systems Central Cooling																				
D 30 30 mm 21- 04 03 03 03 EV	ivaporative Air-Cooling Thermal Cooling Storage																	H			
D 30 30 ## 21- 04 03 03 07 De	Decentralized Cooling																	#			
	Cooling System Supplementary Components acility HVAC Distribution Systems																				
D 30 50 ## 21- 04 03 05 01 Fa	acility Hydronic Distribution acility Steam Distribution													-				-			
	VAC Air Distribution																	+			
D 30 60 21- 04 03 06 Ve	Components Centilation																				
D 30 60 ## 21- 04 03 06 01 Su	iupply Air Ieturn Air																	+			
	xhaust Air																	#			
D 30 60 ## 21- 04 03 06 06 A	Outside Air Nr-to-Air Energy Recovery																	#			
D 30 60 ## 21- 04 03 06 07 HV	FVAC Air Cleaning Fentilation Supplementary Components																				-
D 30 70 21- 04 03 07 5p	pecial Purpose HVAC Systems inow Melting																				_
D 40 21- 04 04 Fi	Fire Protection	D40 - Fire Protection, D- Fluid_Gas Distribution; D50 - Electrical.																			
D 40 10 21- 04 04 01 Fir	Fre Suppression Vater-Based Fire-Suppression																				_
D 40 10 ## 21- 04 04 01 05 Fir	ire-Extinguishing ire Suppression Supplementary Components																				
	ire Protection Specialties																				
21 04 05 05 05	ire Protection Cabinets																				1
D 40 30 ## 21- 04 04 03 05 Br	Breathing Air Replenishment Systems Fire Extinguisher Accessories																	#			
D 50 21- 04 05 Ei	Electrical	DSO - Electrical, D- Electrical Distribution																			
D 50 10 21- 04 05 01 Fa	acility Power Generation 'ackaged Generator Assemblies																				
D 50 10 mm 21 04 05 01 02 Ph	lattery Equipment Photovoltaic Collectors																				-
	uel Cells Power Filtering and Conditioning																	H			
D 50 10 ## 21-04 05 01 07 To	ransfer Switches acility Power Generation Supplementary																	H			
	Components Electrical Service and Distribution																	-			
	Sectrical Service Entrance Power Distribution																	HE			
D 50 20 ## 21- 04 05 02 07 Fa	acility Grounding Electrical Service and Distribution Supplementary																	11			
D 50 30 21 04 05 03 66	omnonents General Purpose Electrical Power																				
	Iranch Wiring System Viring Devices																				
	viring Devices Seneral Purpose Electrical Power Supplementary Components																				
D 50 40 21- 04 05 04 Lis	ighting																				
D 50 40 ## 21- 04 05 04 02 Br	ighting Control Iranch Wiring for Lighting																	#			
D 50 40 ## 21- 04 05 04 05	ighting Fixtures Jighting Supplementary Components																				
D 50 80 21- 04 05 08 M	Aliscellaneous Electrical Systems Ightning Protection									-1								H		F	
D 50 80 ## 21- 04 05 08 07 TT	Transient Voltage Suppression Communications	DSO - Electrical, D- Electrical Distribution																			
D 60 10 21- 04 06 01 Da	Data Communications Voice Communications																				
D 60 30 21- 04 06 03 Au	ludio-Video Communication																				
D 60 60 21- 04 06 06 Di	Distributed Communications and Monitoring Communications Supplementary Components																				
D 70 21- 04 07 Ei	Electronic Safety and Security	DSO - Electrical, D- Electrical Distribution																			
D 70 30 21- 04 07 03 ER	Access Control and Intrusion Detection																				
	Detection and Alarm Electronic Monitoring and Control									-1				-							
D 70 90 21- 04 07 09 Ek	lectronic Safety and Security Supplementary Components																				
D 80 21- 04 08 In	ntegrated Automation	DSO - Electrical, D- Electrical Distribution																			

BIMForum LC	DD Specification 2018 Par	t II		ПП		This work is licensed under the Creative Commons. Attribution-NonCommercial 4.0 International License	Milestones shown here are examples only ->		SD		DD		CD	1	Estin	ating	Est	imating	пE	LEED Ce	ert.	LEED	Cert	
	Uniformat Level	ple	Omniclass	Level	oject	Attribution-Noncommercial 4.0 International cicense			Date		Date		Date		D:	t. 1 ate		id Pkg. Date		Check Date		Subm Da		
	1 2 3 4 5 D 80 10	6 F 21-	1 2 3 04 08 01	4 5	6 F &	Integrated Automation Facility Controls	Relevant Attribute Tables	LOD	MEA Notes	LOD	MEA Notes	LOD	MEA Note	5	LOD M	EA Notes	LOD	MEA No	tes LO	MEA	Notes	LOD ME	A Notes	-
	E E	21-	05	1 1 1		EQUIPMENT & FURNISHINGS																		
	F 10 10	21-	05 01 01			Equipment Vehicle and Pedestrian Equipment																		_
	E 10 10 ## E 10 10 ##	21-	05 01 01	01		Vehicle Servicing Equipment																		
	E 10 10 ##	21-	05 01 01 05 01 01	03	-	Interior Parking Control Equipment Loading Dock Equipment						-		_		_				-				Н—
	E 10 10 ##	21-	05 01 01	07		Interior Pedestrian Control Equipment						-												
	E 10 30	21-	05 01 03			Commercial Equipment																		
	F 10 30 ##	21-	05 01 03 05 01 03	0.2		Mercantile and Service Equipment Vault Equipment																		
	E 10 30 ##	21-	05 01 03	25		Teller and Service Equipment																		
	E 10 30 ## E 10 30 ## E 10 30 ##	21-	05 01 03	35		Refrigerated Display Equipment Commercial Laundry and Dry Cleaning Equipment						-		_	-	_				+				H
	10 30 1111															_		_						Н—
	E 10 30 ##	21-	05 01 03 05 01 03	05		Maintenance Equipment Hospitality Equipment																		
	E 10 30 ##	21-	05 01 03 05 01 03	55		Unit Kitchens																		
	E 10 30 ## E 10 30 ##					Photographic Processing Equipment Postal, Packaging and Shipping Equipment										_								H
	E 10 30 mm	21.	05 01 03	75		Office Equipment																		
	E 10 30 ## E 10 40	21-	05 01 03	80		Foodservice Equipment Institutional Equipment																		
	E 10 40 ##	21-	05 01 04	01		Educational and Scientific Equipment																		
	E 10 40 ##	21-	05 01 04	02	-	Healthcare Equipment Religious Equipment						-		_		_				-				Н-
	E 10 40 ##	21-	05 01 04 05 01 04	06		Security Equipment																		
	E 10 40 ##	21-	05 01 04	07		Detention Equipment Residential Equipment																		
			05 01 06 05 01 06			Residential Equipment Residential Appliances																		
	E 10 60 ## E 10 60 ##	21-	05 01 06	05		Residential Stairs																		
	E 10 60 ##	21-	05 01 06	07		Residential Ceiling Fans Entertainment and Recreational Equipment																		
	E 10 70 ## E 10 70 ## E 10 70 ##	21-	05 01 07	01		Theater and Stage Equipment																		
	E 10 70 ##	21-	05 01 07 05 01 07	02		Musical Equipment Athletic Equipment								_										\vdash
	E 10 70 ##	21-	05 01 07	06		Recreational Equipment																		
	F 10 90	21-	05 01 09			Other Equipment Solid Waste Handling Equipment													4 🗀					H
	E 10 90 ## E 10 90 ##	21-	05 01 09	03		Agricultural Equipment																		
						Horticultural Equipment																		
	E 10 90 mm E 20	21-	05 01 09	06		Decontamination Equipment Furnishings																		
						Fixed Furnishings																		
	E 20 10 ## E 20 10 ##	21-	05 02 01 05 02 01	01		Fixed Art Window Treatments													+					+
	E	21-	05 02 01	1031 1		Casework																		
	E 20 10 ##	21-	05 02 01	07		Fixed Multiple Seating Other Fixed Furnishings																		
	E 20 10 ## E 20 50	21-	05 02 01 05 02 05			Movable Furnishings																		
	E 20 50 ##	21-	05 02 05	01		Movable Art																		
	E 20 50 ## E 20 50 ##	21-	05 02 05 05 02 05	03		Furniture Accessories																		\vdash
	E 20 50 ##	21-	05 02 05	06		Movable Multiple Seating																		
	E 20 50 ##	21-	05 02 05	09		Other Movable Furnishings SPECIAL CONSTRUCTION &																		+-
			06			DEMOLITION &																		
	F 10	21-	06 01			Special Construction Integrated Construction																		Н—
	F 10 10 F 10 20	21-	06 01 01 06 01 02			Special Structures																		
	F 10 30	21-	06 01 02 06 01 03			Special Function Construction																		
	F 10 50 F 10 60	21-	06 01 05 06 01 06		+	Special Facility Components Athletic and Recreational Special Construction										-			-					1
	F 10 80	21	06 01 08			Special Instrumentation																		\vdash
	F 20	21-	06 02			Facility Remediation																		
	F 20 10	21-	06 02 01 06 03			Hazardous Materials Remediation Demolition								_										
	F 30 10	21-	06 03 01			Structure Demolition																		
	F	21-	06 03 03			Selective Demolition Structure Moving																		
	I IG I I I I	21-	06 03 05 07	1 1 1		BUILDING SITEWORK																		
	G 10	21-	07 01			Site Preparation																		
	G 10 10 G 10 20	21-	07 01 01			Site Clearing Site Elements Demolition								_										
	G 10 30	21-	07 01 03			Site Element Relocations																		
	G 10 50 G 10 70	21-	07 01 05 07 01 07	H		Site Remediation Site Earthwork																		+
		21-	07 01 07	01		Grading																		
	G 20	21.	07 02			Site Improvements																		4
	G 20 10 G 20 20	21-	07 02 01 07 02 02			Roadways Parking Lots																		
	G 20 20 ##	21-	07 02 02	01		Parking Lot Pavement																		
	G 20 20 ## G 20 20 ##	21-	07 02 02	02		Parking Lot Curbs and Gutters Parking Lot Appurtenances								_										
	G 20 30	21-	07 02 02 07 02 03			Pedestrian Plazas and Walkways																		
	G 20 40	21-	07 02 04			Airfields Athletic, Recreational, and Playfield Areas								_										
			07 02 05 07 02 06			Site Development																		
	G 20 80 G 30 G 30 10	21-	07 02 08			Landscaping																		+
	G 30 10	21-	07 03 01			Liquid and Gas Site Utilities Water Utilities																		
	G 30 10 ##	21-	07 03 01	01		Site Domestic Water Distribution																		
	G 30 10 ## G 30 10 ## G 30 20	21-	07 03 01	03		Site Fire Protection Water Distribution Sanitary Sewerage Utilities																		
	G 30 20 ##	21-	07 03 02	02		Sanitary Sewerage Piping																		
	G 30 20 ##	21-	07 03 02	05		Sanitary Sewerage Structures																		
	G 30 30 G 30 50	21-	07 03 03 07 03 05			Storm Drainage Utilities Site Energy Distribution																		
	G 30 60 G 30 90	21-	07 03 06			Site Fuel Distribution																		
	G 30 90	21-	07 03 09			Liquid and Gas Site Utilities Supplementary Components																		
	G 40	21-	07 04			Electrical Site Improvements																		

	his work is licensed under the Creative Commons Milestones shown here are examples only -:	>	SD			DD			CD		E	stimatin	2	E	stimatir	ne		LEED Cer	t.	L	EED Cert	t	
Uniformat Level Omniclass Level	stribution-NonCommercial 4.0 International License											Est. 1			Bid Pkg			Check		5	ubmittal		\top
P P P P P P P P P P P P P P P P P P P			Date			Date			Date			Date			Date			Date			Date		
1 2 3 4 5 6 7 1 2 3 4 5 6 7 4	Relevant Attribute Tables	LOD	MEA	Notes	LOD	MEA	Notes	LOD	MEA	Notes	LOD	MEA	Notes	LOD	MEA	Notes	LOD	MEA	Notes	LOD	MEA	Notes	
G 40 10 21- 07 04 01 Site	ite Electric Distribution Systems																						
G 40 50 21- 07 04 05 Site	ite Lighting																						
G 50 21- 07 05 Site	iite Communications																						
G 50 10 21- 07 05 01 Site	ite Communications Systems																						
G 90 21- 07 09 Mi:	Miscellaneous Site Construction																						
G 90 10 21- 07 09 01 Tun	unnels																						
23- Pro	Products																						
23- 13 Str	structural and Exterior Enclosure																				/ //		
	Products																						
23- 13 23 Me	Mechanical Fasteners, Adhesives, and																						
	iealants																						
	Mechanical Fasteners																						
23- 13 31 Str	itructural Concrete Products																						
23- 13 31 17 Con	Concrete Formwork																						

BIMForum LOD Specification 2018 Part II

S	b	а	C	e	S

	his work is licensed under the Creative Commons				Part	L - Attribute Description	Part 2 - Pr	oject-Specific	Milestones (Examples)
dditional	Attribution-NonCommercial 4.0 International License					·	Estimating		LEED Cert.	
ttribute		Data Type	Units - Imp.	Units - Metric	Option Examples	Commentary	Est. 1	Bid Pkg.	Check	Submittal
ooms						Attributes for Rooms				
toomName		Text			Office, Corridor					
RoomNumber		Text			R-210, 315					
RoomType		Text			OmniClass Table 13					
loorName		Text			2, East 3rd					
Description		Text			CEO Office, Main Corridor					
Areas						Attributes for Rooms				
AreaName		Text			East Wing, Offices					
Description		Text			2, East 3rd					
loors						Attributes for Rooms				
FloorName										
FloorNumber		Text			2, East 3rd					
loorType		Text			OmniClass Table 14					
Description		Text			R-210, 315					
arget LOD		Number			100, 200, 300, 350, 400					
Current LOD		Number			100, 200, 300, 350, 400					
Target Area		Number	ft ²	m²	2010, 31500					
		+								
		+	 					 		
		+	 					 		
		+	 					 		
		+	 					 		
		+	 					 		
		+								
-		+	 					 	-	
		+	 					 		
		+	 					 	-	
		+	-					-		
		+	1					1		
		+	-					-		
		_								

BIMForum LOD Specification 2018 Part II

A, B - Structural Steel

Baseline This work is licensed under the Creative Commons				Part 1 - A	Attribute Description	Part 2 - Pro	ject-Specific	Milestones (Examples)	
Additional Attribution-NonCommercial 4.0 International License						Estimating	Estimating	LEED Cert.	LEED Cert	
Attribute	Data Type	Units - Imp.	Units - Metric	Option Examples	Commentary	Est. 1	Bid Pkg.	Check	Submittal	
AISC Shape Type & Size	Text			options: [specific "HSS 6x6x1/4"]						
Fireproofed	Logical			T/F, 1/0						
Weight in pounds/foot	Decimal									
ASTM Material Grade	Text			options: [A992, etc]						
Coating	Text			options: [galvanized, painted for exterior exposure, etc]						
Archtectural Exposed Structural Steel	Text			SSS, AESS-1, AESS-2, AESS-3, AESS-4, Custom	Note the five options are Standard Strucural Steel, AESS-1, AESS-2, AESS-3, AESS-4, Custom. These options are from the AISC Code of Standard Practice 2016.					1
Fabrication Sequence Number	Number				SequenceNumber					
Target LOD	Text			100, 200, 300, 350, 400						
Current LOD	Text			100, 200, 300, 350, 400						
Shop Submital Parameters					8					
Date - Issued For Construction	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateIFC}					
Date - Permited	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DatePermitted}					
Date - recieved for Shop Detailing	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateRecievedForShopDet}					·
Date - Detailing Submited for EOR review \ Out For Aproval (OFA)	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateOutForAproval}					
Date - Final Erection Drawings Aproved for Fab	Datetime		yyyy-mm-ddThh:mm		{DateFinalForFab}					
Date - Fabrication Start	Datetime	yyyy-mm-ddThh:mm			{DateFabStart}					
Date - Fabrication End	Datetime		yyyy-mm-ddThh:mm		{DateFabEnd}					
Date - Fabrication Shipped	Datetime		yyyy-mm-ddThh:mm		{DateFabShip}					
Date - Fabrication Received	Datetime		yyyy-mm-ddThh:mm		{DateFabRecieved}					
Date - Erection	Datetime	yyyy-mm-ddThh:mm			{DateErected}					
Date - Inspected	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateInspected}					
Material										
Deck Fasteners										
Typical Weld Specifications										
Camber										
Shear Studs										
Toppings										
Structural steel materials										-
Finishes, i.e. painted, galvanized, etc										-
			·							
		`						,		

BIMForum LOD Specification 2018 Part II									
A, B Miscellaneous Steel									
Baseline This work is licensed under the Creative Commons				Part 1 - /	Attribute Description	Part 2 - Pro	oject-Specific	Milestones (Examples)
Additional License Attribution-NonCommercial 4.0 International						Estimating	Estimating	LEED Cert.	LEED Cert
Attribute	Data Type	Units - Imp.	Units - Metric	Option Examples	Commentary	Est. 1	Bid Pkg.	Check	Submittal
AISC Shape & Size	Text								
Fireproofed	Logical			T/F, 1/0					
Weight in pounds/foot	Number	lb./ft.							
ASTM Material Grade	Text			options: [A992, etc]					
Target LOD	Text			100, 200, 300, 350, 400					
Current LOD	Text			100, 200, 300, 350, 400					
Coating	Text			options: [galvanized,					
				painted for exterior					
				exposure, etc]					
Archtectural Exposed Structural Steel	Logical			T/F, 1/0	Related NAAMM guidelines should be outlined in the projects BxP.				
Fabrication Sequence Number	Number				SequenceNumber				
Shop Submital Parameters					()				
Date - Issued For Construction	Datetime		yyyy-mm-ddThh:mm)	{DateIFC}				
Date - Permited	Datetime	yyyy-mm-ddThh:mn)	{DatePermitted}				
Date - recieved for Shop Detailing	Datetime		yyyy-mm-ddThh:mm	1	{DateRecievedForShopDet}				
Date - Detailing Submited for EOR review \ Out For Aproval	Datetime	****	yyyy-mm-ddThh:mm)	{DateOutForAproval}				
Date - Final Erection Drawings Aproved for Fab	Datetime		yyyy-mm-ddThh:mm	1	{DateFinalForFab}				
Date - Fabrication Start	Datetime		yyyy-mm-ddThh:mm	1	{DateFabStart}				
Date - Fabrication End	Datetime		yyyy-mm-ddThh:mm	1	{DateFabEnd}				
Date - Fabrication Shipped	Datetime		yyyy-mm-ddThh:mm	1	{DateFabShip}				
Date - Fabrication Received	Datetime		yyyy-mm-ddThh:mm	1	{DateFabRecieved}				
Date - Erection	Datetime	yyyy-mm-ddThh:mn		1	{DateErected}				
Date - Inspected	Datetime	yyyy-mm-ddThh:mn	yyyy-mm-ddThh:mm	1	{DateInspected}				
Platebase to contact and activate at the									
Finishes, i.e. painted, galvanized, etc									
			-	 					-

BIMForum LOD Specification 2018 Part II										
A, B - Concrete	-									
Baseline This work is licensed under the Creative Commons				Part 1 - /	Attribute Description		Part 2 - Pro	ject-Specific	Milestones	Examples)
Additional Attribution-NonCommercial 4.0 International							Estimating	Estimating	LEED Cert.	LEED Cert
Attribute	Data Type	Units - Imp.	Units - Metric	Option Examples	Commentary		Est. 1	Bid Pkg.	Check	Submittal
Member Type	Text			(0) Foundation (1) Beam (2) Column (3) Slab (4) Wall						
Concrete Compression Strength	Number	PSI			Example: 3000 PSI					
Reinforcing Steel Flexture	Number	PSI			Example: 60,000 PSI					
Reinforcing Steel Shear	Number	PSI			Example: 60,000 PSI					
Target LOD	Text			100, 200, 300, 350, 400						
Current LOD	Text			100, 200, 300, 350, 400						
Material										
Exterior Exposure	Logical			T/F, 1/0						
Shop Submital Parameters										
Date - Issued For Construction	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateIFC}					
Date - Permited	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DatePermitted}					
Date - recieved for Shop Detailing	Datetime		yyyy-mm-ddThh:mm		{DateRecievedForShopDet}					
Date - Detailing Submited for EOR review \ Out For Aproval	Datetime		yyyy-mm-ddThh:mm		{DateOutForAproval}					
Date - Final Erection Drawings Aproved for Fab	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateFinalForFab}					
Date - Fabrication Start	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateFabStart}					
Date - Fabrication End	Datetime		yyyy-mm-ddThh:mm		{DateFabEnd}					
Date - Fabrication Shipped	Datetime		yyyy-mm-ddThh:mm		{DateFabShip}					
Date - Fabrication Received	Datetime		yyyy-mm-ddThh:mm		{DateFabRecieved}	-				
Date - Erection	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateErected}					
Date - Inspected	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateInspected}					
Finish	Text			A,B,C per ACI 117	Specify by face of concrete					
Moisture Retarder										
Air Entrainment										
Aggregate Size										
Specific Deck Material										
Deck Fasteners										
Typical Weld Specifications										
Camber										
Shear Studs										
Toppings										
Embeds and Anchor Rods										
Aggregate, Clear cover										
Reinforcing Spacing										
Live Loads										
Live Loads Shear Reinforcing and Stud Rails										
Reinforcing Post-Tension Profiles and Strand Locations	 									
Chamfers	 									
Chamicis	 						†			
Post-tension profile	 									
Strands										
Sciulius	†									
	†									
	†									
	 						1			
	 									
	1									1

A, B - Precast Concrete									
Baseline This work is licensed under the Creative Commons				Part 1 - A	Attribute Description	Part 2 - Pr	oject-Specific	Milestones (Examples)
Additional Attribution-NonCommercial 4.0 International						Estimating		LEED Cert.	
Attribute	Data Type	Units - Imp.	Units - Metric	Option Examples	Commentary	Est. 1	Bid Pkg.	Check	Submittal
Member Type	Text			(0) Foundation (1) Beam (2) Column (3) Slab (4) Wall					
Concrete Compression Strength		PSI			Example: 3000 PSI				
Reinforcing Steel Flexture		PSI			Example: 60,000 PSI				
Reinforcing Steel Shear		PSI			Example: 60,000 PSI				
Target LOD	Text			100, 200, 300, 350, 400					
Current LOD	Text			100, 200, 300, 350, 400					
Member Casting Number									
Exterior Exposure	Logical			T/F, 1/0					
Shop Submital Parameters									
Date - Issued For Construction	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm	1	{DateIFC}				
Date - Permited	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm	1	{DatePermitted}				
Date - recieved for Shop Detailing	Datetime		yyyy-mm-ddThh:mm		{DateRecievedForShopDet}				
Date - Detailing Submited for EOR review \ Out For Aproval	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm	1	{DateOutForAproval}				
Date - Final Erection Drawings Aproved for Fab	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm	1	{DateFinalForFab}				
Date - Fabrication Start	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm	1	{DateFabStart}				
Date - Fabrication End	Datetime		yyyy-mm-ddThh:mm		{DateFabEnd}				
Date - Fabrication Shipped	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm	1	{DateFabShip}				
Date - Fabrication Received	Datetime		yyyy-mm-ddThh:mm		{DateFabRecieved}				
Date - Erection	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm	1	{DateErected}				
Date - Inspected	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm	1	{DateInspected}				
Camber									
Finish	Text			A,B,C per ACI 117	Specify by face of concrete				
Material									
Post-tension profile									
Strands									
						i			

(EvChord) Refer to SII Specifiation

{TopChordBrdRowRegEst}

{FyOther} Refer to current SJI Specification

Number

Number

Number

Number

Approximate Duct Opening Size Rectangular (Width x Highth)
Approximate Duct Opening Size Rectangular (Width x Highth)

Number Of Rows Of Top Chord Bridging (Estimated per SJI Table)

Chord Yield Strength

All Other Yield Strength

in

					1	1	1	1	
Bearing Seat Attachment Left (start end)				{BearingTypeLeft} Bearing Seat Attachemnt Type: (1) Masonry or Concrete (2) Steel (3) Other					
Bearing Seat Attachment Right (stop end)				{BearingTypeRight} Bearing Seat Attachemnt Type: (1) Masonry or Concrete (2) Steel (3) Other					
Bearing Seat Uplift Left				{BrUpliftLeft} Is the joist seat in uplift					
Bearing Seat Uplift Right				{BrUpliftRight} Is the joist seat in uplift					
Laterally Unbraced Top Chords (Y/N)	Logical		T/F, 1/0	{LatUnbacedTopChord}					
Wood Nailers on Top Chored (Y/N)	Logical		T/F, 1/0	{WoodNailers}					
				0					
LRFD Load Total Safe	Number	Pounds / Lineal Foot		{} safe factored uniformly distributed load-carrying capacities					
LRFD Load Deflection 1/360	Number	Pounds / Lineal Foot		() unfactored uniform load, which will produce an approximate joist deflection of 1/360 of the span					
ASD Load Total Safe	Number	Pounds / Lineal Foot		0					
ASD Load Deflection 1/360	Number	Pounds / Lineal Foot		0					
				0					
Top Chord Extention Type (None, S or R) Left	Number			{TCExTypeLeft} Top Chord Extention Type: (0) None (1) "S", top angles of top chord (2) top and bottom angle of top chord					
Top Chord Extention Type (None, S or R) Right	Number			{TCExTypeRight} Top Chord Extention Type: (0) None (1) "S", top angles of top chord (2) top and bottom angle of top chord					
Non-standard joist seat depths and/or sloping joist seat									
Member designation, load capacity and deflection criteria									
Design loads and location of concentrated loads									
Material requirements									

BIMForum LOD Specification 2018 Part II									
A, B - Precast Concrete									
Baseline This work is licensed under the Creative Commons				Part 1 - A	Attribute Description	Part 2 - Pro	oject-Specific	Milestones (Examples)
Additional Attribution-NonCommercial 4.0 International						Estimating	Estimating	LEED Cert.	LEED Cert
Attribute	Data Type	Units - Imp.	Units - Metric	Option Examples	Commentary	Est. 1	Bid Pkg.	Check	Submittal
Member Type	Text			(0) Foundation (1) Beam (2) Column (3) Slab (4) Wall					
Concrete Compression Strength		PSI			Example: 3000 PSI				
Reinforcing Steel Flexture		PSI			Example: 60,000 PSI				
Reinforcing Steel Shear		PSI			Example: 60,000 PSI				
Target LOD	Text			100, 200, 300, 350, 400					
Current LOD	Text			100, 200, 300, 350, 400					
Member Casting Number									
Exterior Exposure	Logical			T/F, 1/0					
Shop Submital Parameters									
Date - Issued For Construction	Datetime		yyyy-mm-ddThh:mn		{DateIFC}				
Date - Permited	Datetime	,,,,	yyyy-mm-ddThh:mn		{DatePermitted}				
Date - recieved for Shop Detailing	Datetime		yyyy-mm-ddThh:mn		{DateRecievedForShopDet}				
Date - Detailing Submited for EOR review \ Out For Aproval	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mn	1	{DateOutForAproval}				
Date - Final Erection Drawings Aproved for Fab	Datetime	yyyy-mm-ddThh:mm		1	{DateFinalForFab}				
Date - Fabrication Start	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mn	i	{DateFabStart}				
Date - Fabrication End	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mn	n	{DateFabEnd}				
Date - Fabrication Shipped	Datetime	yyyy-mm-ddThh:mm		i	{DateFabShip}				
Date - Fabrication Received	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mn	n	{DateFabRecieved}				
Date - Erection	Datetime	yyyy-mm-ddThh:mm		i	{DateErected}				
Date - Inspected	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mn	n	{DateInspected}				
Camber									
Finish	Text			A,B,C per ACI 117	Specify by face of concrete				
Material									
Post-tension profile									
Strands									

			Part 1 - A	Attribute Description	Part 2 - Pr	oject-Specific	Milestones (Examples)
					Estimating	Estimating	LEED Cert.	LEED Cert
Data Type	Units - Imp.	Units - Metric	Option Examples	Commentary	Est. 1	Bid Pkg.	Check	Submittal
Number								
	PSI							
Number	in			Example 1.5"				
Number	in			Example 1.5"				
·								
Text								
Text			100, 200, 300, 350, 400					
Datetime		,,,,		, ,				
Datetime				,				
Datetime		,,,,		{DateRecievedForShopDet}				
Datetime				{DateOutForAproval}				
Datetime				,				
Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateFabStart}				
Datetime				{DateFabEnd}				
Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateFabShip}				,
Datetime				{DateFabRecieved}				
Datetime				{DateErected}				
Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateInspected}				
								,
			-					
	Number Number Number Number Text Text Datetime Datetime Datetime Datetime Datetime Datetime Datetime Datetime	Number PSI Number in Number in Number in Text Text Text Datetime yyyy-mm-ddThh:mm	Number Number Number Number in Number in Text Text Text Datetime Datetime	Data Type	Number PSI Example 1.5" Number in Example 1.5" Number in Example 1.5" Number in Example 1.5" Text 100, 200, 300, 350, 400 Text 100, 200, 300, 350, 400 Datetime yyy-mm-ddThh:mm {DateFC} Datetime yyy-mm-ddThh:mm {DatePermitted} Datetime yyy-mm-ddThh:mm {DatePermitted} Datetime yyy-mm-ddThh:mm {DateFinal ForFab} Datetime yyy-mm-ddThh:mm {DateFinal ForFab} Datetime yyy-mm-ddThh:mm {DateFabStart} Datetime yyy-mm-ddThh:mm {DateFabStarb} Datetime yyy-mm-ddThh:mm {DateFabRecieved} Datetime yyy-mm-ddThh:mm {DateFabRecieved}	Data Type	Data Type Units - Imp. Units - Metric Option Examples Commentary Est. 1 Bid Pkg. Number PSI	Data Type

BIMForum LOD Specification 2018 Part II									
A, B Cold Formed Metal Framing									
This work is licensed under the Creative Commons Attribution-NonCommercial 4.0 International				Part 1 - A	ttribute Description		ject-Specific		
Additional License						Estimating	Estimating	LEED Cert.	LEED Cert
Attribute	Data Type	Units - Imp.	Units - Metric	Option Examples	Commentary	Est. 1	Bid Pkg.	Check	Submittal
Member Type	Number			(0) Beam (1) Column (2)Wall					
Target LOD	Text			100, 200, 300, 350, 400					
Current LOD	Text			100, 200, 300, 350, 400					
Shop Submital Parameters									
Date - Issued For Construction	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateIFC}				
Date - Permited	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DatePermitted}				
Date - recieved for Shop Detailing	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateRecievedForShopDet}				
Date - Detailing Submited for EOR review \ Out For Aproval	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateOutForAproval}				
Date - Final Erection Drawings Aproved for Fab	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateFinalForFab}				
Date - Fabrication Start	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateFabStart}				
Date - Fabrication End	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateFabEnd}				
Date - Fabrication Shipped	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateFabShip}				
Date - Fabrication Received	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateFabRecieved}				
Date - Erection	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateErected}				
Date - Inspected	Datetime	vvvv-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateInspected}				

BIMForum LOD Specification 2018 Part II									
A, B - Wood									
Baseline This work is licensed under the Creative Commons				Part 1 - A	Attribute Description	Part 2 - Pr	oject-Specific	Milestones	(Examples)
Additional Attribution-NonCommercial 4.0 International						Estimating	Estimating	LEED Cert.	LEED Cert
Attribute	Data Type	Units - Imp.	Units - Metric	Option Examples	Commentary	Est. 1	Bid Pkg.	Check	Submittal
Member Type	Text			(0) Foundation (1) Beam (2) Column (3) Deck (4) Wall					
Flextural Strength (Fb)		PSI							
Shear Strength (Fv)		PSI							
Target LOD	Text			100, 200, 300, 350, 400					
Current LOD	Text			100, 200, 300, 350, 400					
Wet Use	Logical			T/F, 1/0					
Repetiive Member Use	Logical			T/F, 1/0					
Shop Submital Parameters									
Date - Issued For Construction	Datetime	vvvv-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateIFC}				
Date - Permited	Datetime		yyyy-mm-ddThh:mm		{DatePermitted}				
Date - recieved for Shop Detailing	Datetime		yyyy-mm-ddThh:mm		{DateRecievedForShopDet}				
Date - Detailing Submited for EOR review \ Out For Aproval	Datetime		yyyy-mm-ddThh:mm		{DateOutForAproval}				
Date - Final Erection Drawings Aproved for Fab	Datetime		yyyy-mm-ddThh:mm		{DateFinalForFab}				
Date - Fabrication Start	Datetime		yyyy-mm-ddThh:mm		{DateFabStart}				
Date - Fabrication End	Datetime		yyyy-mm-ddThh:mm		{DateFabEnd}				
Date - Fabrication Shipped	Datetime		yyyy-mm-ddThh:mm		{DateFabShip}				
Date - Fabrication Received	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateFabRecieved}				
Date - Erection	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateErected}				
Date - Inspected	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateInspected}				
Finish	Text								
Deck Orientation									
Deck Material Layer thickness									
Diaphragm Load and Deflection Criteria									
Deck Material	·								
Deck Fasteners									
Member designation									
Load capacity									
deflection criteria	·								
Design loads									

BIMForum LOD Specification 2018 Part II						_				
A, B - Masonry						_				
Baseline This work is licensed under the Creative Commons				Part 1 - /	Attribute Description		Part 2 - Pro	ject-Specific	Milestones (Examples)
Additional Attribution-NonCommercial 4.0 International					·		Estimating	Estimating	LEED Cert.	LEED Cert
Attribute	Data Type	Units - Imp.	Units - Metric	Option Examples	Commentary		Est. 1	Bid Pkg.	Check	Submittal
Wall Type										
Wall Total Thickness				7 5/8"						
Wall Core Masonry Thickness				7 5/8"						
Wall Finish Face 1				3 5/8"						
Wall Finish Face 2										
Wall Is Load Bearing	Logical			T/F, 1/0	IsLoadBearning					
Block Type				CMUx8x8x16						
Target LOD	Text			100, 200, 300, 350, 400						
Current LOD	Text			100, 200, 300, 350, 400						
Shop Submital Parameters										
Date - Issued For Construction	Datetime		yyyy-mm-ddThh:mm		{DateIFC}					
Date - Permited	Datetime	,,,,	yyyy-mm-ddThh:mm		{DatePermitted}					
Date - recieved for Shop Detailing	Datetime		yyyy-mm-ddThh:mm		{DateRecievedForShopDet}					
Date - Detailing Submited for EOR review \ Out For Aproval	Datetime	,,,,	yyyy-mm-ddThh:mm		{DateOutForAproval}					
Date - Final Erection Drawings Aproved for Fab	Datetime		yyyy-mm-ddThh:mm		{DateFinalForFab}					
Date - Fabrication Start	Datetime		yyyy-mm-ddThh:mm		{DateFabStart}					
Date - Fabrication End	Datetime		yyyy-mm-ddThh:mm		{DateFabEnd}					
Date - Fabrication Shipped	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateFabShip}					
Date - Fabrication Received	Datetime	yyyy-mm-ddThh:mm			{DateFabRecieved}					
Date - Erection	Datetime		yyyy-mm-ddThh:mm		{DateErected}					
Date - Inspected	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateInspected}					
Reinforcing										
Mortar and grout defined										
Reinforcement and steel lintels required at openings										
Material										
Slope										
pacing										
Design Loads										
Deflection criteria										

A, B - Grating

BIMForum LOD Specification 2018 Part II										
Baseline This work is licensed under the Creative Commons				Part 1 - A	Attribute Description	Part 2 - Pro	ject-Specific	Milestones (Examples)	
Additional Attribution-NonCommercial 4.0 International						Estimating	Estimating	LEED Cert.	LEED Cert	
Attribute	Data Type	Units - Imp.	Units - Metric	Option Examples	Commentary	Est. 1	Bid Pkg.	Check	Submittal	
Grating Type										
Material				Steel, Alum, Fiberglass						
Finish				Painted, Galvanized,						1
				Anoidized						
Target LOD	Text			100, 200, 300, 350, 400						
Current LOD	Text			100, 200, 300, 350, 400						
Shop Submital Parameters										
Date - Issued For Construction	Datetime		yyyy-mm-ddThh:mm		{DateIFC}					
Date - Permited	Datetime		yyyy-mm-ddThh:mm		{DatePermitted}					
Date - recieved for Shop Detailing	Datetime		yyyy-mm-ddThh:mm		{DateRecievedForShopDet}					
Date - Detailing Submited for EOR review \ Out For Aproval	Datetime	yyyy-mm-ddThh:mm			{DateOutForAproval}					
Date - Final Erection Drawings Aproved for Fab	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateFinalForFab}					i
Date - Fabrication Start	Datetime		yyyy-mm-ddThh:mm		{DateFabStart}					
Date - Fabrication End	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateFabEnd}					ı
Date - Fabrication Shipped	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateFabShip}					
Date - Fabrication Received	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateFabRecieved}					
Date - Erection	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateErected}					
Date - Inspected	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateInspected}					
Reinforcement and steel lintels required at openings										
Slope										
Spacing										
Design Loads										二
Deflection criteria										
						-				

BIMForum LOD Specification 2018 Part II												
A, B - Helical Piers												
Baseline This work is licensed under the Creative Commons				Part 1 - A	Attribute Description		Part 2 - Project-Specific Milestones (Examples)					
Additional Attribution-NonCommercial 4.0 International							Estimating	Estimating	LEED Cert.	LEED Cert		
Attribute	Data Type	Units - Imp.	Units - Metric	Option Examples		Commentary	Est. 1	Bid Pkg.	Check	Submittal		
Grating Type												
Material				Steel, Alum, Fiberglass								
Finish				Painted, Galvanized, Anoidized								
Target LOD	Text			100, 200, 300, 350, 400								
Current LOD	Text			100, 200, 300, 350, 400								
Shop Submital Parameters												
Date - Issued For Construction	Datetime	,,,,	yyyy-mm-ddThh:mm		{DateIFC}							
Date - Permited	Datetime		yyyy-mm-ddThh:mm		{DatePermitted}							
Date - recieved for Shop Detailing	Datetime		yyyy-mm-ddThh:mm		{DateRecievedForShopDet}							
Date - Detailing Submited for EOR review \ Out For Aproval	Datetime	yyyy-mm-ddThh:mm			{DateOutForAproval}							
Date - Final Erection Drawings Aproved for Fab	Datetime		yyyy-mm-ddThh:mm		{DateFinalForFab}							
Date - Fabrication Start	Datetime	yyyy-mm-ddThh:mm			{DateFabStart}							
Date - Fabrication End	Datetime		yyyy-mm-ddThh:mm		{DateFabEnd}							
Date - Fabrication Shipped	Datetime	yyyy-mm-ddThh:mm	,,,,		{DateFabShip}							
Date - Fabrication Received	Datetime	yyyy-mm-ddThh:mm			{DateFabRecieved}							
Date - Erection	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateErected}							
Date - Inspected	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateInspected}							
Reinforcement and steel lintels required at openings												
Slope												
Spacing												
Design Loads												
Deflection criteria												
		<u> </u>						<u> </u>				

BIMForum LOD Specification 2018 Part II										
B – Ext. Wall	_									
Baseline This work is licensed under the Creative Commons				art 1 - Attribute Descr	intion	Part 2 - Pro	ject-Specific	Milestones (Fyamnles)	
Additional Attribution-NonCommercial 4.0 International			•	art 1 - Attribute Descri	iption	Estimating	Estimating			
Attribute	Data Tura	Unite Inco	Units - Metric	Option Examples	Commonton.		Bid Pkg.	Check	Submittal	
	Data Type	Units - Imp.	Units - Wetric	-	Commentary	Est. 1	BIO PKg.	Спеск	Submittal	
Construction	Text			framed, unit masonry, panelized, EIFS, etc.						
Material - Skin	Text			tiles, composite, sheet metal, etc.						
Material - Substrate	Text			corrugated metal, plywood, composite panels, etc.						
Material - Insulation	Text									
Wall Type	Text									
Thermal Resistance	Number	h·ft2·°F/Btu (R)	m ^{2o} C/W (R)							
Thermal Transmittance	Number	Btu/(h·ft2·°F/Btu (U)	W/(m ^{2o} C) (U)							
Target LOD	Text			100, 200, 300, 350, 400						
Current LOD	Text			100, 200, 300, 350, 400						
Wind Load Capacity (drag)	Number	psf	Pa							I
Wind Load Capacity (pressure)	Number	psf	Pa							
Fire Rating	Text			options: [UL label - A,B,C,D,E,S]						
Impact resistance	Text			options:[T/F, class]						
UV Resistance	Text			options:[T/F, class]						I
Air Infiltration	Text			options:[T/F, class]						
Sound Transmission										
Acoustic Rating	Text									1
Security Rating	Text									1
Glazing Area	Number	ft ²	m ²		Fraction of the glazing area relative to the total area of the filling element.					
Combustible	Logical			T/F, 1/0	Indicates whether the object is made from combustible material.					
SurfaceSpreadofFlame	Text				macria.					
IsExternal	Logical			T/F, 1/0	Should be set to TRUE for all external walls.					
Charles Calabridad Brown at Land										
Shop Submital Parameters:	Dotation -	Lucus mana del This	Lucia como del Thir		(Detail(C)				 	
Date - Issued For Construction Date - Permited	Datetime Datetime		yyyy-mm-ddThh:mm yyyy-mm-ddThh:mm		{DateIFC} {DatePermitted}					
Date - Permitted Date - recieved for Shop Detailing	Datetime		yyyy-mm-ddThh:mm		{DatePermitted} {DateRecievedForShopDet}				 	
Date - recieved for Snop Detailing Date - Detailing Submitted for EOR review \ Out For Aproval (Datetime	yyyy-mm-ddThh:mm			{DateNetievedForShopDet} {DateOutForAproval}				 	
Date - Final Erection Drawings Aproved for Fab	Datetime		yyyy-mm-ddThh:mm		{DateFinalForFab}					
Date - Fabrication Start	Datetime	yyyy-mm-ddThh:mm			{DateFabStart}				1	
Date - Fabrication End	Datetime	yyyy-mm-ddThh:mm			{DateFabEnd}				 	
Date - Fabrication Shipped	Datetime	yyyy-mm-ddThh:mm	,,,,,		{DateFabShip}					
Date - Fabrication Snipped Date - Fabrication Received	Datetime	yyyy-mm-ddThh:mm			{DateFabRecieved}					
Date - Erection	Datetime	yyyy-mm-ddThh:mm			{DateErected}				1	
Date - Inspected	Datetime		yyyy-mm-ddThh:mm		{DateInspected}					

BIMForum LOD Specification 2018 Part II										
B – Roof										
Baseline This work is licensed under the Creative Commons			Pa	art 1 - Attribute Descrip	tion		Part 2 - Pro	ject-Specific	Milestones (Examples)
Additional Attribution-NonCommercial 4.0 International							Estimating	Estimating	LEED Cert.	LEED Cert
Attribute	Data Type	Units - Imp.	Units - Metric	Option Examples	Commentary	IFC Property	Est. 1	Bid Pkg.	Check	Submittal
Material - Skin	Text			tiles, composite, sheet metal, etc.						
Material - Substrate	Text			corrugated metal, plywood, composite panels, etc.						
Material - Insulation	Text			Batt, rigid, etc.						
Thermal Resistance	Number			R-value						
Thermal Transmittance	Numeric			U-value		ThermalTransmittance				
Target LOD	Text			100, 200, 300, 350, 400						
Current LOD	Text			100, 200, 300, 350, 400						
Wind Load Capacity (drag)	Number	psf	Pa							
Wind Load Capacity (pressure)	Number	psf	Pa							
UV Resistance	Logical			T/F, 1/0						
Acoustic Rating	Text					AcousticRating				
Fire Rating	Text			options: [UL label - A,B,C,D,E,S]		FireRating				
Shop Submital Parameters:					0					
Date - Issued For Construction	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm	1	{DateIFC}					
Date - Permited	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm	1	{DatePermitted}					
Date - recieved for Shop Detailing	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm	1	{DateRecievedForShopDet}					
Date - Detailing Submited for EOR review \ Out For Aproval	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm	1	{DateOutForAproval}					
Date - Final Erection Drawings Aproved for Fab	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm	1	{DateFinalForFab}					
Date - Fabrication Start	Datetime		yyyy-mm-ddThh:mm		{DateFabStart}					
Date - Fabrication End	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm	1	{DateFabEnd}					
Date - Fabrication Shipped	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm	1	{DateFabShip}					
Date - Fabrication Received	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm	1	{DateFabRecieved}					
Date - Erection	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm	1	{DateErected}					
Date - Inspected	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm	1	{DateInspected}					

BIMForum LOD Specification 2018 Part II B - Ext. Glazed Openings Baseline This work is licensed under the Creative Comm Part 1 - Attribute Description Part 2 - Project-Specific Milestones (Examples) Attribution-NonCommercial 4.0 International Additional Estimating | Estimating | LEED Cert. | LEED Cert Attribute Data Type Units - Imp. Units - Metric **Option Examples** Commentary **IFC Property** Est. 1 Bid Pkg. Check Submittal Construction options:[Unitized (combined glass and frame), Stick Built, Structural Glass] Material Text options:[Aluminium Framed, Bronze Framed, Stainless Steel Framed, Channel Glass1 Thermal Resistance Number R-value Number U-value ThermalTransmittance Thermal Transmittance Target LOD Text 100, 200, 300, 350, 400 Text 100, 200, 300, 350, 400 Current LOD Manufacturer Text Model Designation Text Location Text Operation Text OperationType fixed, casement, double/single hung, awning/project out, pivot, sliding Glass - Material Text options:[Glass, Plastic] Text options:[Monolithic, Insulating] Glass - Configuration Text options, multiple:[Annealed, Heat Glass - Condition Strengthend, Tempered, Laminated, Bent] Glass - Coatings Text options, multiple:[Purolytic (hard coat), Sputter (soft coat), Low E, Metallic, Ceramic Frit, Opaci Coat, Digital Printed] Windbourne Debris Resistance Number psf Pa Wind Load Capacity Number psf Pa Air Infiltration Text options:[yes, no, class] Text options:[yes, no, class] Sound Transmission Text AcousticRating Acoustic Rating Security Rating Text SecurityRating Glazing Area Number Fraction of the glazing area relative to the total area of the filling elem GlazingAreaFraction Handicap Accessible Logical HandicapAccessible Fire Exit Logical FireExit Indicates whether the door has an automatic drive to operate it. HasDrive Logical HasDrive Logical SelfClosing SelfClosing SmokeStop Logical Indicates whether the door is designed to provide a smoke stop. SmokeStop SillExternal HasSillExternal Logical SillInternal HasSillInternal Logical GLAZING ATTRIBUTES: GlassLayers Number Number of glass layers within the frame GlassLayers GlassThickness1 Number Inner glass layer GlassThickness1 in mm GlassThickness2 Number in mm Intermediate or outer glass layer GlassThickness2 Outer glass layer GlassThickness3 GlassThickness3 Number in mm FillGas Text Name of the gas in gap between glass layers FillGas GlassColor Text GlassColor Logical IsTempered IsTempered IsLaminated Logical Isl aminated Logical IsCoated IsCoated IsWired Logical IsWired VisibleLightReflectance VisibleLightReflectance Number VisibleLightTransmittance Number VisibleLightTransmittance (Asol) The ratio of incident solar radiation that is absorbed by a SolarAbsorption Number SolarAbsorption glazing system SolarReflectance Number (Rsol) The ratio of incident solar radiation that is reflected by a SolarReflectance glazing system SolarTransmittance Number (Tsol) The ratio of incident solar radiation that directly passes SolarTransmittance through a glazing system SolarHeatGainTransmittance (SHGC) The ratio of incident solar radiation that contributes to the SolarHeatGainTransmittanc Number heat gain of the interior SC is being phased out in favor of SHGC ShadingCoefficient ShadingCoefficient

Shop Submital Parameters:

Date - Issued For Construction	Datetime	yyyy-mm-ddThh:mm yyyy-mm-ddThh:mm	{DateIFC}	
Date - Permited	Datetime	yyyy-mm-ddThh:mm yyyy-mm-ddThh:mm	{DatePermitted}	
Date - recieved for Shop Detailing	Datetime	yyyy-mm-ddThh:mm yyyy-mm-ddThh:mm	{DateRecievedForShopDet}	
Date - Detailing Submited for EOR review \ Out For Aproval	Datetime	yyyy-mm-ddThh:mm yyyy-mm-ddThh:mm	[DateOutForAproval]	
Date - Final Erection Drawings Aproved for Fab	Datetime	yyyy-mm-ddThh:mm yyyy-mm-ddThh:mm	{DateFinalForFab}	
Date - Fabrication Start	Datetime	yyyy-mm-ddThh:mm yyyy-mm-ddThh:mm	{DateFabStart}	
Date - Fabrication End	Datetime	yyyy-mm-ddThh:mm yyyy-mm-ddThh:mm	{DateFabEnd}	
Date - Fabrication Shipped	Datetime	yyyy-mm-ddThh:mm yyyy-mm-ddThh:mm	{DateFabShip}	
Date - Fabrication Received	Datetime	yyyy-mm-ddThh:mm yyyy-mm-ddThh:mm	{DateFabRecieved}	
Date - Erection	Datetime	yyyy-mm-ddThh:mm yyyy-mm-ddThh:mm	{DateErected}	
Date - Inspected	Datetime	yyyy-mm-ddThh:mm yyyy-mm-ddThh:mm	{DateInspected}	

BIMForum LOD Specification 2018 Part II						_					
B - Cladding											
Baseline This work is licensed under the Creative Commons				Part 1 - 4	Attribute Description	T (Part 2 - Pro	ject-Specific	Milestones (Examples)	\vdash
Additional Attribution-NonCommercial 4.0 International				, until ,	turbate bestription		stimating	Estimating	LEED Cert.	LEED Cert	
Attribute	Data Type	Units - Imp.	Units - Metric	Option Examples	Commentary		Est. 1	Bid Pkg.	Check	Submittal	
Construction	Text	Omes - mip.	Olits - Wette	options:[Unitized (combined glass and frame, Stick Built, Structural Glass]	Commentary		Lott 2	Did i kg.	Circux	Justinical	
Material	Text			options:[Aluminium Framed, Bronze Framed, Stainless Steel Framed, Channel Glass]							
Coatings	Text			options, multiple:[Purolytic (hard coat), Sputter (soft coat), Low E, Metallic, Ceramic Frit, Opaci Coat, Digital Printed]							
Target LOD	Text			100, 200, 300, 350, 400							
Current LOD	Text			100, 200, 300, 350, 400							1
Wind Load Capacity (pressure)	Number	psf	Pa								
Wind Load Capacity (drag)	Number	psf	Pa								1
Windbourne Debris Resistance				options:[yes, no, class]							
Thermal Resistance				R-value (h·ft2·°F/Btu)							
Shop Submital Parameters					8						1
Date - Issued For Construction	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateIFC}						
Date - Permited	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DatePermitted}						ı
Date - recieved for Shop Detailing	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateRecievedForShopDet}						
Date - Detailing Submited for EOR review \ Out For Aproval	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateOutForAproval}						ı
Date - Final Erection Drawings Aproved for Fab	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateFinalForFab}						
Date - Fabrication Start	Datetime		yyyy-mm-ddThh:mm		{DateFabStart}						<u> </u>
Date - Fabrication End	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateFabEnd}						L
Date - Fabrication Shipped	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateFabShip}						L
Date - Fabrication Received	Datetime		yyyy-mm-ddThh:mm		{DateFabRecieved}						L
Date - Erection	Datetime		yyyy-mm-ddThh:mm		{DateErected}						L
Date - Inspected	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateInspected}						<u> </u>
Condensation Resistance				options:[yes, no, class]							1
Water Resistance				options:[yes, no, class]							1
Air Infiltration				options:[yes, no, class]							
Sound Transmission				options:[yes, no, class]							1
Bullet Resistance				options:[yes, no, class]							
Radiation Protection				options:[yes, no, class]							1
Fire Rating				options: [UL label - A,B,C,D,E,S]							
											1
											1

BIMForum LOD Specification 2018 Part II											
B – Ext. Doors	-										
Baseline This work is licensed under the Creative Commons				Part 1 - Attribute [Description		Part 2 - Pr	oject-Specific	Milestones	(Examples)	
Additional Attribution-NonCommercial 4.0 International					·		Estimating				
Attribute	Data Type	Units - Imp.	Units - Metric	Option Examples	Commentary	IFC Property	Est. 1	Bid Pkg.	Check	Submittal	_
Гуре	Text			single, double, sliding, etc.		Reference					1
Operation	Text			LH, LHR, RH, RHR		OperationType					
Material - Frame	Text			wood, metal, glass, etc.							<u> </u>
Material - Panel	Text			solid core / hollow core, wood/metal. etc.							i
Material - Glazing	Text			wood/inctal, etc.							Т
lardware Set	Text			reference to schedule							
ire Rating	Text			options: [UL label - A,B,C,D,E,S]		FireRating					
arget LOD	Text			100, 200, 300, 350, 400							<u> </u>
Current LOD	Text			100, 200, 300, 350, 400			1				1
Manufacturer Model Designation	Text Text										\vdash
viodel Designation Location	Text						1				Г
inish - Frame	Text										Г
inish - Panel	Text										
Vind Load Capacity	Number	psf	Pa								L
coustic Rating	Text	1	1			AcousticRating				 	1
Security Rating Glazing Area	Text Number				Fraction of the glazing area relative to the total area of the filling element.	SecurityRating GlazingAreaFraction					\vdash
					Fraction of the grazing area relative to the total area of the filling element.						L
Handicap Accessible	Logical					HandicapAccessible FireExit	1				⊢
ire Exit HasDrive	Logical Logical				Indicates whether the door has an automatic drive to operate it.	HasDrive					H
elfClosing	Logical				indicates whether the door has an automatic drive to operate it.	SelfClosing					H
SmokeStop	Logical				Indicates whether the door is designed to provide a smoke stop.	SmokeStop					Г
GLAZING ATTRIBUTES:											
GlassLayers	Number				Number of glass layers within the frame	GlassLayers					4
GlassThickness1	Length	in	mm		Inner glass layer	GlassThickness1	1				1
GlassThickness2	Length Length	in in	mm mm		Intermediate or outer glass layer Outer glass layer	GlassThickness2 GlassThickness3					H
GlassThickness3 FillGas	Text		111111		Name of the gas in gap between glass layers	FillGas					H
GlassColor	Text				8	GlassColor					Г
sTempered	Logical					IsTempered					
sLaminated	Logical					IsLaminated					
sCoated	Logical					IsCoated					4
sWired	Logical					IsWired	1				1
/isibleLightReflectance /isibleLightTransmittance	Number Number					VisibleLightReflectance VisibleLightTransmittance					┢
Visible Light Fransmittance Solar Absorption	Number				(Asol) The ratio of incident solar radiation that is absorbed by a glazing	SolarAbsorption					H
					system	, , , , , , , , , , , , , , , , , , ,					_
SolarReflectance	Number				(Rsol) The ratio of incident solar radiation that is reflected by a glazing system	SolarReflectance					
SolarTransmittance	Number				(Tsol) The ratio of incident solar radiation that directly passes through a glazing system	SolarTransmittance					l
Solar Heat Gain Transmittance	Number				(SHGC) The ratio of incident solar radiation that contributes to the heat gain of the interior	SolarHeatGainTransmittance					
ShadingCoefficient					SC is being phased out in favor of SHGC	ShadingCoefficient					匚
Shop Submital Parameters:					0						Г
Date - Issued For Construction	Datetime	yyyy-mm-ddThh:mn	yyyy-mm-ddThh:mm		{DateIFC}						П
Date - Permited	Datetime		yyyy-mm-ddThh:mm		{DatePermitted}						Ε
Date - recieved for Shop Detailing	Datetime		yyyy-mm-ddThh:mm		{DateRecievedForShopDet}						_
Date - Detailing Submitted for EOR review \ Out For Aproval			yyyy-mm-ddThh:mm		{DateOutForAproval}		-				-
Date - Final Erection Drawings Aproved for Fab	Datetime		yyyy-mm-ddThh:mm		{DateFinalForFab}						Н
Date - Fabrication Start Date - Fabrication End	Datetime Datetime		yyyy-mm-ddThh:mm yyyy-mm-ddThh:mm		{DateFabStart} {DateFabEnd}	 		1			
Date - Fabrication End Date - Fabrication Shipped	Datetime		yyyy-mm-ddThh:mm		{DateFabShip}		 				Г
Date - Fabrication Snipped Date - Fabrication Received	Datetime		yyyy-mm-ddThh:mm		{DateFabRecieved}						П
Date - Erection	Datetime		yyyy-mm-ddThh:mm		{DateErected}						Г
Date - Inspected	Datetime		yyyy-mm-ddThh:mm		{DateInspected}						П

B,C Louvers and Vents	-											
BIMForum LOD Specification 2018 Part II										•		
Baseline This work is licensed under the Creative Commons				Part 1 - A	Attribute Description		Part 2 - Project-Specific Milestones (Examples)					
Additional Attribution-NonCommercial 4.0 International							Estimating	Estimating		LEED Cert	_	
Attribute	Data Type	Units - Imp.	Units - Metric	Option Examples	Commentary	IFC Property	Est. 1	Bid Pkg.	Check	Submittal		
Material	Text			options:[Aluminium Framed,								
				Bronze Framed, Stainless								
				Steel Framed, Channel Glass]								
Туре	Text			Intake, Exhaust								
Target LOD	Text			100, 200, 300, 350, 400								
Current LOD	Text			100, 200, 300, 350, 400								
Manufacturer	Text											
Model Designation	Text											
Location	Text						-					
Net Free Area	Number	sf	sqm									
Windbourne Debris Resistance	Number	psf	Pa									
Wind Load Capacity	Number	psf	Pa									
Adjustable	Logical											
Air Flow	Text	cfm		options:[yes, no, class]								
Forced Entry Resistance	Text			options:[yes, no, class]								
Storm Proof	Logical											
-												
Shop Submital Parameters:												
Date - Issued For Construction	Datetime		yyyy-mm-ddThh:mm		{DateIFC}							
Date - Permited	Datetime		yyyy-mm-ddThh:mm		{DatePermitted}							
Date - recieved for Shop Detailing	Datetime		yyyy-mm-ddThh:mm		{DateRecievedForShopDet}							
Date - Detailing Submited for EOR review \ Out For Aproval			yyyy-mm-ddThh:mm		{DateOutForAproval}							
Date - Final Erection Drawings Aproved for Fab	Datetime		yyyy-mm-ddThh:mm		{DateFinalForFab}							
Date - Fabrication Start	Datetime		yyyy-mm-ddThh:mm		{DateFabStart}							
Date - Fabrication End	Datetime		yyyy-mm-ddThh:mm		{DateFabEnd}							
Date - Fabrication Shipped	Datetime		yyyy-mm-ddThh:mm		{DateFabShip}							
Date - Fabrication Received	Datetime		yyyy-mm-ddThh:mm		{DateFabRecieved}							
Date - Erection	Datetime		yyyy-mm-ddThh:mm		{DateErected}							
Date - Inspected	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateInspected}							

Baseline This work is licensed under the Creative Commons				Dort 1	Attribute Description	Dovt 2 Du	ject-Specific	Milostonos	Evamples)
				Part 1 - A	Attribute Description				
Additional			ı		_		Estimating		
Attribute	Data Type	Units - Imp.	Units - Metric	Option Examples	Commentary	Est. 1	Bid Pkg.	Check	Submittal
Construction	Text			options:[Unitized (combined glass and frame), Stick Built, Structural Glass]					
/laterial	Text			options:[Aluminium Framed, Bronze Framed, Stainless Steel Framed, Channel Glass]					
hermal Resistance	Number	R-Value							
Target LOD	Text			100, 200, 300, 350, 400					
Current LOD	Text			100, 200, 300, 350, 400					
Function				fixed, casement, double/single hung, awning/project out, pivot, sliding					
Wind Load Capacity				psf					
Glazing Method				options:[Conventional, Two Sided, Three Sided, Four Sided, Pint Supported]					
Glass - Material				options:[Glass, Plastic]					
Glass - Configuration				options:[Monolithic, Insulating]					
Shop Submital Parameters					0				
Date - Issued For Construction	Datetime		yyyy-mm-ddThh:mm		{DateIFC}				
Date - Permited	Datetime		yyyy-mm-ddThh:mm		{DatePermitted}				
Date - recieved for Shop Detailing	Datetime		yyyy-mm-ddThh:mm		{DateRecievedForShopDet}				
Date - Detailing Submitted for EOR review \ Out For Aproval			yyyy-mm-ddThh:mm		{DateOutForAproval}				
Date - Final Erection Drawings Aproved for Fab	Datetime		yyyy-mm-ddThh:mm		{DateFinalForFab}				
Date - Fabrication Start	Datetime		yyyy-mm-ddThh:mm		{DateFabStart}				
Date - Fabrication End	Datetime		yyyy-mm-ddThh:mm		{DateFabEnd}				
Date - Fabrication Shipped Date - Fabrication Received	Datetime		yyyy-mm-ddThh:mm yyyy-mm-ddThh:mm		{DateFabShip} {DateFabRecieved}				-
Date - Fabrication Received Date - Erection	Datetime Datetime		yyyy-mm-ddThh:mm		{DateFabkecieved}				
Date - Erection Date - Inspected	Datetime		yyyy-mm-ddThh:mm		{DateInspected}	+			
Glass - Condition	Datetime	7777 mm uu mm.mm	7777 11111 00 11111.111111	options, multiple:[Annealed,	[Datemopered]				
aless - Collution				Heat Strengthend, Tempered, Laminated, Bent]					
Glass - Coatings				options, multiple:[Purolytic (hard coat), Sputter (soft coat), Low E, Metallic, Ceramic Frit, Opaci Coat, Digital Printed]					

Glass - Use	options, multiple:[Glazing into conventional		
	application, Glazing into		
	structurally glazed		
	application, Mirror,		
	Decorative, Fire Resistant,		
	Huricane Resistant, Cable		
	Suspended, Switchable		
	Glass, Electronically		
	Controlled switchable Glass,		
	Pressure Resistant,		
	Radiation Resistant,		
	Security, Ballistics Resistant]		
Visible Light Transmission	options:[yes, no, class]		
Sound Transmission	options:[yes, no, class]		
Forced Entry Resistance	options:[yes, no, class]		
Bullet Resistance	options:[yes, no, class]		
Radio Frequency Interference Protection	options:[yes, no, class]		
Radiation Protection	options:[yes, no, class]		
Finishes			
Blast Resistance			
Manufacturer			
Model Designation			
Location			

C - Int. Doors									
Baseline This work is licensed under the Creative Commons				Part 1 - A	Attribute Description	Part 2 - Pr	oject-Specific	Milestones	(Examples)
Additional Attribution-NonCommercial 4.0 International						Estimating	Estimating	LEED Cert.	LEED Cert
Attribute	Data Type	Units - Imp.	Units - Metric	Option Examples	Commentary	Est. 1	Bid Pkg.	Check	Submittal
уре	Text	·		single, double, sliding, etc.					
Material - frame	Text			wood, metal, glass, etc.					
Material - panel	Text			solid core / hollow core,					
Landa and a second	T4			wood/metal, etc.					
Hardware set Fire Rating	Text Text			reference to schedule options: [UL label -					
ne nating	TCAL			A,B,C,D,E,S]					
arget LOD	Text			100, 200, 300, 350, 400					
urrent LOD	Text			100, 200, 300, 350, 400					
				ii fei iel e l					
evel				options:[First Floor, Second Floor, etc.]					
ill Height				options:[dimension: 0, 1'-0",	,				
				etc.]					
hop Submital Parameters					Λ			-	
Date - Issued For Construction	Datetime	vvvv-mm-ddThh:mm	yyyy-mm-ddThh:mm		{} {DateIFC}				
Date - Permited	Datetime		yyyy-mm-ddThh:mm		{DatePermitted}				
Date - recieved for Shop Detailing	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateRecievedForShopDet}				
Date - Detailing Submited for EOR review \ Out For Aproval	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateOutForAproval}				
Date - Final Erection Drawings Aproved for Fab	Datetime		yyyy-mm-ddThh:mm		{DateFinalForFab}				
Date - Fabrication Start	Datetime		yyyy-mm-ddThh:mm		{DateFabStart}				
Date - Fabrication End	Datetime		yyyy-mm-ddThh:mm		{DateFabEnd}				
Date - Fabrication Shipped	Datetime		yyyy-mm-ddThh:mm		{DateFabShip}				
Date - Fabrication Received	Datetime		yyyy-mm-ddThh:mm		{DateFabRecieved}				
Date - Erection	Datetime		yyyy-mm-ddThh:mm		{DateErected}				
Date - Inspected Frame Setback	Datetime	yyyy-mm-aa1nn:mm	yyyy-mm-ddThh:mm	options:[dimension: 1", 2",	{DateInspected}				
rame Setback				etc]					
rame Type				options:[reference to					
				schedule]					
Glazing Type				options:[reference to schedule]					
amb Detail				options:[reference to					
				schedule]					
lead Detail				options:[reference to schedule]					
Comments				options:[reference to					
				schedule]					
Лаrk				options:[reference to schedule]					
hase Created				options:[Existing, New					
				Construction, Phase 1,					
				Phase 2, etc.]					
lead Height				options:[dimension: 7'-0", etc.]					
ndercut				options:[yes, no]					
unction				options:[Interior, Exterior]					
anel Thickness				options:[1 3/4", 2", etc.]					
lought Width				options:[3'-4", 3'-10", etc.]					
lought Height				options:[7'-2", etc.]					
lanufacturer									
Nodel Designation				l					

Baseline This work is licensed under the Creative Commons				Part 1 - A	Attribute Description	Part 2 - Pro	oject-Specific	Milestones	(Examples)		
Additional Attribution-NonCommercial 4.0 International						Estimating	Estimating Estimating LEED Co				
Attribute	Data Type	Units - Imp.	Units - Metric	Option Examples	Commentary	Est. 1	Bid Pkg.	Check	Submittal		
raming	Text	Cinto impi	00	3-5/8" Metal Studs @ 24"oc,							
u6				etc							
ladding	Text			2-layers Type x GWB							
loisture Resistance	Logical			T/F, 1/0							
re Rating	Text			2-hr, etc.							
rget LOD	Text			100, 200, 300, 350, 400							
urrent LOD	Text			100, 200, 300, 350, 400							
THERE LOD	TEAC			100, 200, 300, 330, 100							
all Type											
ase Constraint				options:[First Floor, Second							
ise constraint				Floor, etc.]							
ase Offset				options:[dimension: 6", 1'-					1		
Se onset				4", etc.]		l					
op Constraint				options:[First Floor, Second							
-p constraint				Floor, etc.]		I					
				,					1		
nop Submital Parameters					8						
Date - Issued For Construction	Datetime	vvvv-mm-ddThh·mm	yyyy-mm-ddThh:mm		{DateIFC}						
Date - Permited	Datetime		yyyy-mm-ddThh:mm		{DatePermitted}				1		
Date - recieved for Shop Detailing	Datetime		yyyy-mm-ddThh:mm		{DateRecievedForShopDet}				1		
Date - Detailing Submitted for EOR review \ Out For Aproval			yyyy-mm-ddThh:mm		{DateOutForAproval}				+		
	Datetime		yyyy-mm-ddThh:mm		{DateFinalForFab}						
Date - Final Erection Drawings Aproved for Fab											
Date - Fabrication Start	Datetime		yyyy-mm-ddThh:mm		{DateFabStart}				1		
Date - Fabrication End	Datetime		yyyy-mm-ddThh:mm		{DateFabEnd}				1		
Date - Fabrication Shipped	Datetime		yyyy-mm-ddThh:mm		{DateFabShip}				1		
Date - Fabrication Received	Datetime		yyyy-mm-ddThh:mm		{DateFabRecieved}						
Date - Erection	Datetime		yyyy-mm-ddThh:mm		{DateErected}						
Date - Inspected	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateInspected}				1		
op Offset				options:[dimension: 6", 1'-							
				4", etc.]					1		
ructural			ļ	options:[yes, no]							
ngth				options:[dimension: 12'-0",							
				23'-4", etc.]							
rea				options:[area: 110 sf, 1,300							
				sf, etc.]							
olume				options:[volume: 1,760 cf,		I					
				7,650 cf, etc.]					1		
ark				options:[reference to		I					
			-	schedule]					1		
nase Created				options:[Existing, New							
				Construction, Phase 1,		I					
				Phase 2, etc.]					1		
ructure Material				options:[Concrete, Masonry,							
				Wood Stud, Metal Stud,		I					
r 141				etc.]					1		
idth				options:[dimension: 4 7/8",		I					
				7 1/4" 7 5/8", 1'-0" etc]							
			-	antiqualitation first !					1		
nction				options:[Interior, Exterior,							
				Foundation, Retaining,							
				Soffit, Core-Shaft, etc.]		I					
and a later to the same and a later to									1		
odel				options:[manufacturer							
and the street			-	specific information]		 			1		
anufacturer				options:[manufacturer							
				specific information]					1		
RL				options:[manufacturer							
	l	1	1	specific information]	I and the second	I	1	1	1		

C - Raised Floor									
Baseline This work is licensed under the Creative Commons				Part 1 - A	Attribute Description	Part 2 - Pro	ject-Specific	Milestones (Examples)
Additional Attribution-NonCommercial 4.0 International						Estimating	Estimating	LEED Cert.	LEED Cert
Attribute	Data Type	Units - Imp.	Units - Metric	Option Examples	Commentary	Est. 1	Bid Pkg.	Check	Submittal
Model	Text	Onits impi	Onits Wictire	options:[manufacturer	- Commentary	200. 2	Did i ng.	Gileen	
iodei	Text			specific information]					
Manufacturer	Text			options:[manufacturer					
				specific information]					
Grid	Text			12x12, etc.					
leight	Number								
Farget LOD	Text			100, 200, 300, 350, 400					
Current LOD	Text			100, 200, 300, 350, 400					
Naterial Thickness	Text			options:[dimension: 1", 1					
				1/4",etc.]					
Material Types	Text			options:[Concrete, Steel,					
				Aluminum]					
evel				options:[First Floor, Second					
				Floor, etc.]					
hop Submital Parameters					0				
Date - Issued For Construction	Datetime		yyyy-mm-ddThh:mm		{DateIFC}				
Date - Permited	Datetime		yyyy-mm-ddThh:mm		{DatePermitted}				
Date - recieved for Shop Detailing	Datetime		yyyy-mm-ddThh:mm		{DateRecievedForShopDet}				
Date - Detailing Submited for EOR review \ Out For Aproval	Datetime		yyyy-mm-ddThh:mm		{DateOutForAproval}				
Date - Final Erection Drawings Aproved for Fab	Datetime		yyyy-mm-ddThh:mm		{DateFinalForFab}				
Date - Fabrication Start	Datetime		yyyy-mm-ddThh:mm		{DateFabStart}				
Date - Fabrication End	Datetime		yyyy-mm-ddThh:mm		{DateFabEnd}				
Date - Fabrication Shipped	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateFabShip}				
Date - Fabrication Received	Datetime		yyyy-mm-ddThh:mm		{DateFabRecieved}				
Date - Erection	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateErected}				
Date - Inspected	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm		{DateInspected}				
Height Offset from Level				options:[dimension: 8", 1'-					
				0", etc]					
Room Bounding				options:[yes, no]					
Structural				options:[yes, no]					
Area				options:[dimension: 100 sf,					
				1,235 sf, etc.]					
Perimeter				options:[dimension: 42'-5",					
				125'-0", etc.]					
Comments				options:[reference to					
Acolo				schedule]				-	
Mark				options:[reference to					
thase Created				schedule]				 	
Phase Created				options:[Existing, New Construction, Phase 1,					
				Phase 2, etc.]					
Keynote				options:[reference to				-	
eynote				schedule]					
RL				options:[manufacturer					
				specific information]					
ssembly Code (Uniformat)				C1060					
ssembly Description (Uniformat)				Raised Floor Construction					
Cost				options:[cost = \$/sf]					
Phase Demolished				options:[New Construction,					
				Phase 1, Phase 2, etc.]					
									1

BIMForum LOD Specification 2018 Part II										
C - Susp. Clg.										
Baseline This work is licensed under the Creative Commons				Part 1 -	Attribute Description		Part 2 - Pr	oject-Specific	Milestones (Examples)
Additional Attribution-NonCommercial 4.0 International							Estimating			
	Data Type	Units - Imp.	Units - Metric	Option Examples		Commentary	Est. 1	Bid Pkg.	Check	Submittal
Grid	Text			24x24, etc						
Material	Text									
Seismic Bracing	Logical									
Target LOD	Text			100, 200, 300, 350, 400						
Current LOD	Text			100, 200, 300, 350, 400						
Phase Created				options:[Existing, New Construction, Phase 1, Phase 2, etc.]						
Material Thickness				options:[dimension: 3/4", 5/8", etc.]						
Model				options:[manufacturer specific information]						
Manufacturer				options:[manufacturer specific information]						
Shop Submital Parameters					δ					
Date - Issued For Construction	Datetime	vvvv-mm-ddThh:mm	yyyy-mm-ddThh:mm	1	{DateIFC}					
Date - Permited	Datetime		yyyy-mm-ddThh:mm)	{DatePermitted}					
Date - recieved for Shop Detailing	Datetime		yyyy-mm-ddThh:mm	1	{DateRecievedForShopDet}					
Date - Detailing Submited for EOR review \ Out For Aproval	Datetime		yyyy-mm-ddThh:mm	1	{DateOutForAproval}					
Date - Final Erection Drawings Aproved for Fab	Datetime		yyyy-mm-ddThh:mm	1	{DateFinalForFab}					
Date - Fabrication Start	Datetime		yyyy-mm-ddThh:mm	1	{DateFabStart}					
Date - Fabrication End	Datetime		yyyy-mm-ddThh:mm		{DateFabEnd}					
Date - Fabrication Shipped	Datetime		yyyy-mm-ddThh:mm	n	{DateFabShip}					
Date - Fabrication Received	Datetime		yyyy-mm-ddThh:mm	n	{DateFabRecieved}					
Date - Erection	Datetime		yyyy-mm-ddThh:mm		{DateErected}					
Date - Inspected	Datetime	yyyy-mm-ddThh:mm	yyyy-mm-ddThh:mm	n	{DateInspected}					
Ceiling Attenuation Class (CAC)				options:[33, 35, 40, etc.]						
Surface Burning Characteristics (SBC)	·			options:[ASTM E84, etc.]						
	·									
						·				
			1				1			

6-leaf central Other

Type of door back side	text		1-leaf			
77			2-leaf telescopic			
			3-leaf telescopic			
			3-lear telescopic			
			2-leaf central			
			4-leaf central			
			6-leaf central			
			Other			
Drive Principle	text		traction, hydraulic			
Position of drive in shaft	text		left, right, other			
			iert, right, other			
Drive position	text		in top of elevator shaft, in pit			
			of elevator shaft, on top of			
			elevator shaft			
Buffer Type	text					
					-	

BIMForum LOD Specification 2018 Part II D20 - Plumbing Part 1 - Attribute Description Part 3 - Example Project-Specific Milestones Baseline bution-NonCommercial 4.0 International Stimating Estimating LEED Cert. LEED Cer Additional Attribute Data Type Units - Imp. Units - Metric Option Examples Commentary IFC Name COBie Tag Est. 1 Bid Pkg. Check Submitta Part or Equipment Tag Status of the element, predominately used in renovation or retrofitting projects ondition Status Text New, Existing, Demolish. Temporary, User Defined oom Number Text Room number where component to be/is installed Story Number Text Floor or level room is located The organization that manufactured and/or assembled the item. roduct Name Text The manufacturers model name of the product model (or product line) The manufacturers model number or designator of the product model (or product line) del Designation Target LOD Text 100, 200, 300, 350, 400 100, 200, 300, 350, 400 Component characteristics Properties of individual elements of manufactured products Acquisition Date Date Time Date The date that the manufactured item was purchased. Code defining where the assembly takes place Bar Code Text The identity of the bar code given to an occurrence of the product. Batch Reference Text The identity of the batch reference from which an occurrence of a product is taken The year of production of the manufactured item Number Year Text Serial Number The serial number assigned to an occurrence of a product. Design Performance Text Service Life Captures the period of time that an artifact will last. Number Days Service Life Duration Number Year(s) The length or duration of a service life. ious factors that impact the expected service life of elements within the system or zone. Design Level Text Adjustment of the service life resulting from the effect of design level employed. Text Adjustment of the service life resulting from the effect of the indoor environment (where appropriate). ndoor Environment use Conditions Text Adjustment of the service life resulting from the effect of the conditions in which components are operating. Text Adjustment of the service life resulting from the effect of the level or degree of maintenance applied to components Maintenance Level Outdoor Environment Text Adjustment of the service life resulting from the effect of the outdoor environment (where appropriate) Quality Of Components Text Adjustment of the service life resulting from the effect of the quality of components used. Work Execution Level Text Adjustment of the service life resulting from the effect of the quality of work executed. Warranty A written guarantee, issued to the purchaser of an article by its manufacturer, promising to repair or replace it if necessary Items, conditions or actions that may be excluded from the warranty or that may cause the warranty to become void. Text s Extended Warranty Logical True or False Indication of whether this is an extended warranty whose duration is greater than that normally assigned Point Of Contact Text The organization that should be contacted for action under the terms of the warranty. Warranty End Date Date Time Date The date on which the warranty expires. Text The identifier assigned to a warranty. Warranty Identifier The time duration during which a manufacturer or supplier guarantees or warrants the performance of an artefact. Varranty Period Number Year(s) Date Time Date ture-Specific At Bath Tub Sanitary appliance for immersion of the human body or parts of it. IfcSanitaryTerminal Bath Type Foot, Jacuzzi, Plunge, Sitz, Treatment, Whirlpool, User Defined Color Text White, Almond, User Defined Principal color of the object. Drain Size Number Inch mm The size of the drain outlet connection from the object. Logical Nominal Depth Inch mm Nominal or quoted depth of the object. Nominal Length Nominal Width Inch mm Nominal or quoted length of the object. IfcSanitaryTerminal Waste water appliance for washing the excretory organs while sitting astride the bowl Bidet Type The property enumeration defines the types of bidet that may be specified within the property set. White Almond User Defined Color selection for this object. Drain Size Inch The size of the drain outlet connection from the object. BackToWall, Pedestal, Wall The property defines sanitary terminals mounting type Mounting Text Hung Nominal Depth Number Inch mm Nominal or quoted depth of the object. Nominal Length Number Inch mm Nominal or quoted length of the object. Nominal Width Number Inch mm Nominal or quoted width of the object. Spillover Level Inch Culvert Covered channel or large pipe that forms a watercourse below ground level, usually under a road or railway. IfcPipeSegment Culvert Type Text The property enumeration defines the types of culvert that may be specified within the property set. Inch mm Clear Depth Number The clear depth of the culvert. Number Inch The internal width of the culvert. Drinking Fountain Fountain Type A sanitary terminal that provides a low pressure jet of water for a specific purpose. IfcSanitaryTerminal Text Drinking Water, Eyewash, User Defined Text White Almond Stainless Color selection for this object User Defined Drain Size Number Inch mm The size of the drain outlet connection from the object. Countertop, WallHung, User Nominal Depth Number Inch mm Nominal or quoted depth of the object. Nominal Length Nominal or quoted length of the object. Nominal Width Number Inch mm Nominal or quoted width of the object. Pipe fitting, set into the floor, that collects waste water and discharges it to a separate trap. Floor Drain Drain Type Cover Length Text Identifies the predefined types of drain from which the type required may be set.

The length measured along the x-axis in the local coordinate system or the radius (in the case of a circular shape in plan) of

The length measured along the y-axis in the local coordinate system of the cover of the waste.

Nominal or quoted length measured along the z-axis in the local coordinate system of the waste.

Inch

Inch

mm

mm

Number

Number

Cover Width

Nominal Body Depth

							Т	_			 1 1
Nominal Body Length	Number	Inch	mm		Nominal or quoted length measured along the x-axis in the local coordinate system or the radius (in the case of a circular shape in plan) of the waste.						
Nominal Body Width	Number	Inch	mm		Nominal or quoted length measured along the y-axis in the local coordinate system of the waste.						
Outlet Connection Size	Number	Inch	mm		Size of the outlet connection from the object.						
Floor Sink					Pipe fitting or assembly of fittings to receive surface water or waste water, fitted with a grating or sealed cover.	IfcWasteTerminal					
Sink Type	Text				Identifies the predefined types of sink from which the type required may be set.						
Back Inlet Pattern Type	Text				Identifies the pattern of inlet connections to a trap						
,,,,				and arrangement may vary.							
				The outlet is either vertical or							
				is placed at the bottom (south side) of the trap (when							
				viewed in plan). Position 1 is							
				to the left (west), position 2 is							
				to the top (north), position 3							
				is to the right (east) and							
				position 4 is to the bottom (south).							
				(Journ).							
Cover Length	Number	Inch	mm		The length measured along the x-axis in the local coordinate system or the radius (in the case of a circular shape in plan) of the cover of the trap.						
Cover Width	Number	Inch	mm		The length measured along the y-axis in the local coordinate system of the cover of the trap.						
Inlet Connection Size	Number	Inch	mm		Size of the inlet connection(s)						
Nominal Sump Depth	Number	Inch	mm		Nominal or quoted length measured along the z-axis in the local coordinate system of the sump.						
Nominal Sump Length	Number	Inch	mm		Nominal or quoted length measured along the x-axis in the local coordinate system or the radius (in the case of a circular						
Nominal Sump Width	Number	Inch	mm		shape in plan) of the sump. Nominal or quoted length measured along the y-axis in the local coordinate system of the sump.		+			1	
Outlet Connection Size	Number	Inch	mm		Nominal or quoted length measured along the y-axis in the local coordinate system of the sump. Size of the outlet connection from the object.						
Floor Trap		*****			Pipe fitting or assembly of fittings to receive surface water or waste water, fitted with a grating or sealed cover and	IfcWasteTerminal					
					discharging through a trap						
Trap Type	Text Number		1	0.1.2.2 or 4: in	Identifies the predefined types of trap from which the type required may be set.		1	-		-	+
Back Inlet Pattern Type	number			0,1,2,3 or 4: inlet connections and arrangement may vary.	Identifies the pattern of inlet connections to a trap			1			
				The outlet is either vertical or							
				is placed at the bottom							
				(south side) of the trap (when viewed in plan). Position 1 is							
				viewed in plan). Position 1 is to the left (west), position 2 is							
				to the top (north), position 3							
				is to the right (east) and							
				position 4 is to the bottom							
				(south).							
Cover Length	Number	Inch	mm		The length measured along the x-axis in the local coordinate system or the radius (in the case of a circular shape in plan) of						
					the cover		1				
Cover Width Sink Type	Number Text	Inch	mm		The length measured along the y-axis in the local coordinate system of the cover of the trap. Identifies the predefined types of sink from which the type required may be set.		1				
Has Strainer	Logical		mm	True or False	Indicates whether the trap has a strainer						
Inlet Connection Size	Number	Inch	mm		Size of the inlet connection(s)						
Nominal Body Depth	Number	Inch	mm		Nominal or quoted length measured along the z-axis in the local coordinate system of the chamber of the trap.						
Nominal Body Length	Number	Inch	mm		Nominal or quoted length measured along the x-axis in the local coordinate system or the radius (in the case of a circular shape in plan) of the chamber of the trap.						
Nominal Body Width	Number	Inch	mm		Nominal or quoted length measured along the y-axis in the local coordinate system of the chamber of the trap.						
Outlet Connection Size	Number	Inch	mm		Size of the outlet connection from the object.						
Flow Meter Meter Type	Text			Energy Car Oil Water Hear	A flow meter is a device that is used to measure the flow rate in a system. Identifies the predefined types of meter from which the type required may be set.	IfcFlowMeter					
Weter Type	Text			Defined	nuentines the predefined types of meter from which the type required may be sec.						
Purpose	Text			Master, Submaster,	Enumeration defining the purpose of the flow meter occurrence.						
				Submeter, Other, Unknown							
Read Out Type	Text		1	Dial, Digital, Other, Not	Indication of the form that readout from the meter takes. In the case of a dial read out, this may comprise multiple dials that		1				
ness out type	TEAL			Known, Unset	give a cumulative reading and/or a mechanical odometer.						
Remote Reading	Logical			True or False	Indicates whether the meter has a connection for remote reading through connection of a communication device (set TRUE)						
			1		or not (set FALSE).						
Energy Meter					Device that measures, indicates and sometimes records, the energy usage in a system.						
Maximum Current	Number	Amps			The maximum allowed current that a device is certified to handle.						
Multiple Tariff	Logical			True or False	Indicates whether meter has built-in support for multiple tariffs (variable energy cost rates).	<u> </u>					
Nominal Current	Number	Amps			The nominal current that is designed to be measured.						
Gas Meter					Device that measures, indicates and sometimes records, the volume of gas that passes through it without interrupting the						
	Number	Inch	mm		flow. Defines the size of inlet and outlet pipe connections to the meter.						
		men			Defines the types of gas that may be specified.		1				
Connection Size Gas Type	Text		Liter per Minute		Maximum rate of flow which the meter is expected to pass.		1	1			
Connection Size Gas Type Maximum Flow Rate	Text Number	Cubic	Liter per ivilnute						ı		
Gas Type Maximum Flow Rate	Text Number	Feet/Minute	Liter per Minute								
Gas Type Maximum Flow Rate Maximum Pressure Loss	Text		Liter per Minute		Pressure loss expected across the meter under conditions of maximum flow.						
Gas Type Maximum Flow Rate	Text Number	Feet/Minute	Liter per Minute		Pressure loss expected across the meter under conditions of maximum flow. Device that measures, indicates and sometimes records, the volume of oil that passes through it without interrupting the flow.						
Gas Type Maximum Flow Rate Maximum Pressure Loss	Number Number Number	Feet/Minute PSI Inch	mm		Pressure loss expected across the meter under conditions of maximum flow. Device that measures, indicates and sometimes records, the volume of oil that passes through it without interrupting the flow. Defines the size of inlet and outlet pipe connections to the meter.						
Gas Type Maximum Flow Rate Maximum Pressure Loss Oil Meter	Text Number Number	Feet/Minute PSI			Device that measures, indicates and sometimes records, the volume of oil that passes through it without interrupting the flow.						
Gas Type Maximum Flow Rate Maximum Pressure Loss Oil Meter Connection Size Maximum Flow Rate	Number Number Number	Feet/Minute PSI Inch	mm		Device that measures, indicates and sometimes records, the volume of oil that passes through it without interrupting the flow. Defines the size of inlet and outlet pipe connections to the meter. Maximum rate of flow which the meter is expected to pass.						
Gas Type Maximum Flow Rate Maximum Pressure Loss Oll Meter Connection Size	Number Number Number	Feet/Minute PSI Inch	mm		Device that measures, indicates and sometimes records, the volume of oil that passes through it without interrupting the the size of inlet and outlet pipe connections to the meter.						
Gas Type Maximum Flow Rate Maximum Pressure Loss Oil Meter Connection Size Maximum Flow Rate	Number Number Number	Feet/Minute PSI Inch	mm	Atmospheric Vacuum	Device that measures, indicates and sometimes records, the volume of oil that passes through it without interrupting the flow. Defines the size of inlet and outlet pipe connections to the meter. Maximum rate of flow which the meter is expected to pass.						
Gas Type Maximum Flow Rate Maximum Pressure Loss Oil Meter Connection Size Maximum Flow Rate Water Meter	Text Number Number Number Number Number	Feet/Minute PSI Inch	mm	Atmospheric Vacuum breaker, Anti Siphon valve,	Device that measures, indicates and sometimes records, the volume of oil that passes through it without interrupting the flow. Defines the size of inlet and outlet pipe connections to the meter. Maximum tast of flow which the meter is expected to pass. Device that measures, indicates and sometimes records, the volume of water that passes through it without interrupting the flow.						
Gas Type Maximum Flow Rate Maximum Pressure Loss Oil Meter Connection Size Maximum Flow Rate Water Meter	Text Number Number Number Number Number	Feet/Minute PSI Inch	mm	Atmospheric Vacuum breaker, Anti Siphon valve, Double Check Backflow	Device that measures, indicates and sometimes records, the volume of oil that passes through it without interrupting the flow. Defines the size of inlet and outlet pipe connections to the meter. Maximum tast of flow which the meter is expected to pass. Device that measures, indicates and sometimes records, the volume of water that passes through it without interrupting the flow.						
Gas Type Maximum Flow Rate Maximum Pressure Loss Oil Meter Connection Size Maximum Flow Rate Water Meter	Text Number Number Number Number Number	Feet/Minute PSI Inch	mm	Atmospheric Vacuum breaker, Anti Siphon valve,	Device that measures, indicates and sometimes records, the volume of oil that passes through it without interrupting the flow. Defines the size of inlet and outlet pipe connections to the meter. Maximum tast of flow which the meter is expected to pass. Device that measures, indicates and sometimes records, the volume of water that passes through it without interrupting the flow.						
Gas Type Maximum Flow Rate Maximum Pressure Loss Oil Meter Connection Size Maximum Flow Rate Water Meter	Text Number Number Number Number Number	Feet/Minute PSI Inch	mm	Atmospheric Vacuum breaker, Anti Siphon valve, Double Check Backflow Preventer, Pressure Vacuum breaker Reduced Pressure Backflow	Device that measures, indicates and sometimes records, the volume of oil that passes through it without interrupting the flow. Defines the size of inlet and outlet pipe connections to the meter. Maximum tast of flow which the meter is expected to pass. Device that measures, indicates and sometimes records, the volume of water that passes through it without interrupting the flow.						
Gas Type Maximum Flow Rate Maximum Pressure Loss Oil Meter Connection Size Maximum Flow Rate Water Meter	Text Number Number Number Number Number	Feet/Minute PSI Inch	mm	Atmospheric Vacuum breaker, Anti Siphon valve, Double Check Backflow Preventer, Pressure Vacuum breaker Reduced Pressure Backflow Preventer	Device that measures, indicates and sometimes records, the volume of oil that passes through it without interrupting the flow. Defines the size of inlet and outlet pipe connections to the meter. Maximum tast of flow which the meter is expected to pass. Device that measures, indicates and sometimes records, the volume of water that passes through it without interrupting the flow.						
Gas Type Maximum Flow Rate Maximum Pressure Loss Oil Meter Connection Size Maximum Flow Rate Water Meter	Text Number Number Number Number Number	Feet/Minute PSI Inch	mm	Atmospheric Vacuum breaker, Anti Siphon valve, Double Check Backflow Preventer, Pressure Vacuum breaker Reduced Pressure Backflow Preventer Other	Device that measures, indicates and sometimes records, the volume of oil that passes through it without interrupting the flow. Defines the size of inlet and outlet pipe connections to the meter. Maximum tast of flow which the meter is expected to pass. Device that measures, indicates and sometimes records, the volume of water that passes through it without interrupting the flow.						
Gas Type Maximum Flow Rate Maximum Pressure Loss Oil Meter Connection Size Maximum Flow Rate Water Meter	Text Number Number Number Number Number	Feet/Minute PSI Inch	mm	Atmospheric Vacuum breaker, Anti Siphon valve, Double Check Backflow Preventer, Pressure Vacuum breaker Reduced Pressure Backflow Preventer	Device that measures, indicates and sometimes records, the volume of oil that passes through it without interrupting the flow. Defines the size of inlet and outlet pipe connections to the meter. Maximum tast of flow which the meter is expected to pass. Device that measures, indicates and sometimes records, the volume of water that passes through it without interrupting the flow.						
Gas Type Maximum Flow Rate Maximum Pressure Loss Oil Meter Connection Size Maximum Flow Rate Water Meter	Text Number Number Number Number Text	Feet/Minute PSI Inch	mm Liters per Minute	Atmospheric Vacuum breaker, Anti Siphon valve, Double Check Baciflow Preventer, Pressure Vacuum breaker Reducer Pressure Backflow Preventer Other Not known Unset	Device that measures, indicates and sometimes records, the volume of oil that passes through it without interrupting the flow. Defines the size of inlet and outlet pipe connections to the meter. Maximum tast of flow which the meter is expected to pass. Device that measures, indicates and sometimes records, the volume of water that passes through it without interrupting the flow.						

					-				 		
Maximum Flow Rate	Number	Gallons/Minute	Liters per Minute		Maximum rate of flow which the meter is expected to pass.						
Maximum Pressure Loss	Number	PSI			Pressure loss expected across the meter under conditions of maximum flow.						
Туре	Text			Compound, Inferential,	Defines the allowed values for selection of the flow meter operation type.						
				Piston, Other, Not Known,							
Garbage Disposal				Unset	Electrically operated device that reduces kitchen or other waste into fragments small enough to be flushed into a drainage	IfcWasteTerminal					
Garbage Disposal					system.	iicwaste i erminai					
Disposal Type	Text				Identifies the predefined types of disposal from which the type required may be set.						
Drain Connection Size	Number	Inch	mm		Size of the drain connection inlet to the waste disposal unit.						
Nominal Depth	Number	Inch	mm		Nominal or quoted depth of the object measured from the inlet drain connection to the base of the unit.						
Outlet Connection Size Gutter	Number	Inch	mm		Size of the outlet connection from the waste disposal unit. Gutter segment type common attributes.	IfcPipeSegment					
Gutter Type	Text				Identifies the predefined types of gutter from which the type required may be set.	no posement					
Flow Rating	Number	Gallons/Minute	Liters per Minute		Actual flow capacity for the gutter. Value of 0.00 means this value has not been set.						
Slope Heat Exchanger	Number	Degrees			Angle of the gutter to allow for drainage. A heat exchanger is a device used to provide heat transfer between non-mixing media such as plate and shell and tube heat	IfcHeatExchanger					
neat Exchanger					exchangers.	ncreatexchanger					
Exchanger Type	Text				Identifies the predefined types of exchanger from which the type required may be set.						
Arrangement	Text			Counterflow, Crossflow,	Defines the basic flow arrangements for the heat exchanger						
				Parallelflow, Multipass, User Defined							
Plate Exchanger				Demica	Common attributes of plate heat exchanger						
Number Of Plates	Number	None		1,2,3,	Number of plates used by the plate heat exchanger.						
Interceptor					An interceptor is a device designed and installed in order to separate and retain deleterious, hazardous or undesirable matter	IfcInterceptor					
					while permitting normal sewage or liquids to discharge into a collection system by gravity.						
Interceptor Type	Text				Identifies the predefined types of interceptor from which the type required may be set.						
Cover Length	Number	Inch	mm		The length measured along the x-axis in the local coordinate system or the radius (in the case of a circular shape in plan) of						
			1		the cover				 		1
Cover Width Inlet Connection Size	Number Number	Inch Inch	mm mm	 	The length measured along the y-axis in the local coordinate system of the cover Size of the inlet connection.				 _	-	1
Nominal Body Depth	Number	Inch	mm	 	Nominal or quoted =length, measured along the z-axis of the local coordinate system of the object, of the body of the object.		+				
Nominal Body Length	Number	Inch	mm	T	Nominal or quoted length, measured along the x-axis of the local coordinate system of the object, of the body of the object.						
Nominal Body Width	Number	Inch	mm	 	Nominal or quoted length, measured along the y-axis of the local coordinate system of the object, of the body of the object.				 		 1
Sofilina Body Width	number	шеп	iam	1	or quotes length, measured along the years of the local coordinate system of the object, of the body of the object.						
Outlet Connection Size	Number	Inch	mm		Size of the outlet connection.						
Ventilating Pipe Size	Number	Inch	mm		Size of the ventilating pipe(s).						
Pump					A pump is a device which imparts mechanical work on fluids or slurries to move them through a channel or pipeline.	IfcPump					
Pump Type	Text				Identifies the predefined types of pump from which the type required may be set.						
Base Type	Text			Frame, Base, None, User	Defines general types of pump bases						
Drive Connection Type	Text	-		Defined	The way the pump drive mechanism is connected to the pump		-				
	Number			Directarive, Beltarive,							
Impeller Diameter Flowrate	Number	Inch	mm		Diameter of pump impeller The actual operational fluid flowrate.						
Mechanical Efficiency	Number	Percent	Liters per Minute		The pumps operational mechanical efficiency.						
Mechanical Efficiency Overall Efficiency	Number Number	Percent Percent	Liters per Minute		The pumps operational mechanical efficiency. The pump and motor overall operational efficiency.						
Mechanical Efficiency Overall Efficiency Power	Number Number Number	Percent Percent Horsepower	Liters per Minute		The pumps operational mechanical efficiency. The pump and motor overall operational efficiency. The actual power consumption of the pump.						
Mechanical Efficiency Overall Efficiency Power Pressure Rise	Number Number Number Number	Percent Percent Horsepower PSI	Liters per Minute		The pumps operational mechanical efficiency, The pump and motor overall operational efficiency, The actual power consumption of the pump. The developed pressure.						
Mechanical Efficiency Overall Efficiency Power	Number Number Number	Percent Percent Horsepower	nm Liters per Minute		The pumps operational mechanical efficiency. The pump and motor overall operational efficiency. The actual power consumption of the pump.						
Mechanical Efficiency Overall Efficiency Power Pressure Rise Rotation Speed	Number Number Number Number Number	Percent Percent Horsepower PSI RPM			The pump operational mechanical efficiency. The pump and motor overall operational efficiency. The actual power consumption of the pump. The developed pressure. Pump rotational speed.						
Mechanical Efficiency Overall Efficiency Power Pressure Rise Rotation Speed Connection Size Flow Rate Range	Number Number Number Number Number Number Number Number	Percent Percent Horsepower PSI RPM Inch Gallons/Minute	mm		The pumps operational mechanical efficiency. The pump and motor overall operational efficiency. The actual power consumption of the pump. The developed pressure. Pump rotational speed. The connection size of the to and from the pump. Allowable range of volume of fluid being pumped against the resistance specified.						
Mechanical Efficiency Overall Efficiency Power Pressure Rise Rotation Speed Connection Size Flow Rise Range Flow Resistance Range	Number Number Number Number Number Number Number Number Number	Percent Percent Horsepower PSI RPM Inch Gallons/Minute	mm		The pumps operational mechanical efficiency. The pump and motor overall operational efficiency. The actual power consumption of the pump. The developed pressure. Pump rotational special pump of the pump. The consumption of the to and from the pump. Allowable range of volume of fluid being pumped against the resistance specified. Allowable range of frictional resistance against which the fluid is being pumped.						
Mechanical Efficiency Overall Efficiency Power Pressure Rise Rotation Speed Connection Size Flow Rate Range	Number Number Number Number Number Number Number Number	Percent Percent Horsepower PSI RPM Inch Gallons/Minute	mm		The pumps operational mechanical efficiency. The pump and motor overall operational efficiency. The actual power consumption of the pump. The developed pressure. Pump rotational speed. The connection size of the to and from the pump. Allowable range of volume of fluid being pumped against the resistance specified.						
Mechanical Efficiency Overall Efficiency Power Pressure Rise Rotation Speed Connection Size Flow Rate Range Flow Resistance Range New Positive Suction Head Nominal Rolation Speed Temperature Range	Number	Percent Percent Horsepower PSI RPM Inch Gallons/Minute PSI Feet or PSI	mm		The pumps operational mechanical efficiency. The actual power consumption of the pump. The developed pressure. Pump rotational speed. The connection size of the to and from the pump. Allowable range of volume of fluid being pumped against the resistance specified. Allowable range of frictional resistance against which the fluid is being pumped. Minimum liquid pressure at the pump inter to prevent cavillation. Pump rotational speed under nominal conditions. Allowable range of minimum liquid pressure at the pump inter to prevent cavillation. Pump rotational speed under nominal conditions. Allowable reparation range of the fluid temperature.						
Mechanical Efficiency Overall Efficiency Power Power Pressure Rise Rotation Speed Connection Size Flow Rate Range Flow Resistance Range Net Positive Suction Head Nominal Rotation Speed Temperature Range Rot Orain	Number	Percent Percent Horsepower PSI RPM Inch Gallons/Minute PSI Feet or PSI RPM	mm		The pumps operational mechanical efficiency. The pump and motor overall operational efficiency The actual power consumption of the pump. The developed pressure. Pump notational speed. The consumption speed. The consumption speed to the speed of the pump. Allowable range of howine of fluid being pumped against the resistance specified. Allowable range of frictional resistance against which the fluid is being pumped. Allowable range of frictional resistance against which the fluid is being pumped. Allowable range of frictional resistance against which the fluid is being pumped. Allowable poperational resistance against which the fluid is being pumped. Allowable poperational resistance against which the fluid is being pumped. Allowable poperational resistance against which the fluid is being pumped. Allowable poperational resistance against the constitutions. Allowable to the resistance against the resistance against the resistance specified and the resistance against the resi	IfcWasteTerminal					
Mechanical Efficiency Overall Efficiency Power Pressure Rise Rotation Speed Connection Size Flow Rate Range Flow Resistance Range Flow Resistance Range New Positive Suction Head Nominal Rotation Speed Temperature Range Ro	Number Text	Percent Percent Horsepower PSI RPM Inch Gallons/Minute PSI Feet or PSI RPM Degrees F/C	mm Liters per Minute		The pumps operational mechanical efficiency. The actual power consumption of the pump. The developed pressure. Pump rotational speed. The connection size of the to and from the pump. Allowables range of volume of fluid being pumped against the resistance specified. Allowables range of fictional resistance against which the fluid is being pumped. Allowables range of fictional resistance against which the fluid is being pumped. Allowables range of microal resistance against which the fluid is being pumped. Minimum liquid pressure at the pump into the prevent cavitation. Pump rotational speed under nominal conditions. Allowable operational range of the fluid temperature. Pipe fitting, set into the roof, that collects rainwater for discharge into the rainwater system. Intentifies the predefined types of drain from which the type required may be set.	IfcWasteTerminal					
Mechanical Efficiency Overall Efficiency Power Pressure Rise Rotation Speed Connection Size Flow Rate Range Flow Resistance Range Net Positive Suction Head Nominal Rolation Speed Temperature Range Roof Drain Drain Type Cover Length	Number	Percent Percent Horsepower PSI RPM Inch Gallons/Minute PSI Feet or PSI RPM	mm		The pumps operational mechanical efficiency. The actual power consumption of the pump. The actual power consumption of the pump. The feweloped pressurer. Pump rotational speed. The connection size of the to and from the pump. Allowable range of volume of fluid being pumped against the resistance specified. Allowable range of frictional resistance against which the fluid is being pumped. Allowable range of frictional resistance against which the fluid is being pumped. Allowable pressure at the pump niet to prevent cavitation. Pump rotational speed under normal conditions. Allowable operational range of the fluid temperature. Pep fitting, set to her bor of) that collects rainwater for discharge into the rainwater system. Identifies the predefined types of drain from which the type required may be set. The length measured along the x-axis in the local coordinal system or the radius (in the case of a circular shape in plan) of	IfcWasteTerminal					
Mechanical Efficiency Overall Efficiency Power Pressure Rise Rotation Speed Connection Size flow Rate Range flow Reistance Range flow Reistance Range Ner Positive Suction Head Nominal Rolation Speed Temperature Range Roof Drain Drain Type Cover Length Cover Width Nominal Body Depth	Number	Percent Percent Horsepower PSI RPM Inch Gallons/Minute PSI Feet or PSI RPM Degrees F/C	mm Liters per Minute		The pumps operational mechanical efficiency. The actual power consumption of the pump. The developed processor of the pump. The feweloped pressurer. Pump rotational speed. The connections steed. The connections steed. The connections steed. The connections steed. Allowable range of volume of fluid being pumped against the resistance specified. Allowable range of rictional resistance against which the fluid is being pumped. Allowable range of frictional resistance against which the fluid is being pumped. Allowable prage of frictional resistance against which the fluid is being pumped. Allowable prage of frictional resistance against which the fluid is being pumped. Allowable prage of the fluid temperature. Papp fitting, set to the fluid temperature. Identifies the predefined type of drain from which the type required may be set. The length measured along the xais in the local coordinate system or the radius (in the case of a circular shape in plan) of The length measured along the xais in the local coordinate system or the radius (in the case of a circular shape in plan) of The length measured along the xais in the local coordinate system or the radius of the drain.	ricWasteTerminal					
Mechanical Efficiency Overall Efficiency Power Pressure Rise Rotation Speed Connection Size Flow Resistance Range Flow Resistance Range Net Positive Suction Head Nominal Rotation Speed Temperature Range Rod Drain Drain Type Cover Length Nominal Body Depth Nominal Body Depth Nominal Body Length	Number	Percent Percent Horsepower PSI RPM Inch Inch Gallons/Minute PSI RPM Degrees F/C Inch Inch Inch Inch	mm Liters per Minute		The pumps operational mechanical efficiency. The pump and motor overall operational efficiency. The actual power consumption of the pump. The developed pressure. Pump rotational speed. The connection size of the to and from the pump. Allowables range of victional resistance against the resistance specified. Allowables range of victional resistance against which the fluid being pumped. Allowables range of victional resistance against which the fluid being pumped. Allowables range of the consumer of the pump of the prevent cavitation. Pump rotational speed under nominal conditions. Allowable operational range of the fluid themperture. Plage fitting, set into the rod, that collects rainwater for discharge into the rainwater system. Identifies the predefined sytes of dain from which the type required may be set. The length measured along the x-axis in the local coordinate system of the readius (in the case of a circular shape in plan) of The length measured along the x-axis in the local coordinate system of the drain. Nominal or quoted length measured along the x-axis in the local coordinate system of the radius (in the case of a circular shape in plan) of the length measured along the x-axis in the local coordinate system of the drain.	If:Waste Terminal					
Mechanical Efficiency Overall Efficiency Power Pressure Rise Rotation Speed Connection Size flow Rate Range flow Rate Range flow Resistance Range Nee Positive Suction Head Nominal Rotation Speed Temperature Range Roof Drain Drain Type Cover Leight Cover Leight Nominal Body Depth Nominal Body Leight Nominal Body Meth	Number	Percent Percent Horsepower PSI RPM Inch Gallons/Minute PSI RPM Degrees F/C Inch Inch Inch Inch Inch Inch Inch Inch	mm Liters per Minute		The pumps operational mechanical efficiency. The actual power consumption of the pump. The actual power consumption of the pump. The developed pressurer. Pump rotational speed. The connection size of the to and from the pump. Allowable range of fiveline in the pump of the pump. Allowable range of fiveline in resistance against which the fluid is being pumped. Allowable range of firticional resistance against which the fluid is being pumped. Allowable range of firticional resistance against which the fluid is being pumped. Allowable range of firticional resistance against which the fluid is being pumped. Pump rotational speed under nominal conditions. Allowable operational range of the fluid interpreture. Pape fitting, set into the roof, that collects rainwater for dischage into the rainwater system. Identifies the prodefined types of drain from which the type required may be set. The length measured along the x-asis in the local coordinate system or the rainwater of the drains. Nominal or quoted length measured along the x-asis in the local coordinate system or the rainwater of the drains. Nominal or quoted length measured along the x-asis in the local coordinate system or the rainwater of the drains. Nominal or quoted length measured along the x-asis in the local coordinate system or the rainwater of the drains. Nominal or quoted length measured along the x-asis in the local coordinate system or the rainwater of the drains.	IfcWasteTerminal					
Mechanical Efficiency Overall Efficiency Power Pressure Rise Rotation Speed Connection Size Flow Resistance Range Flow Resistance Range Net Positive Suction Head Nominal Rotation Speed Temperature Range Rod Drain Drain Type Cover Veright Nominal Body Depth Nominal Body Length Nominal Body Width Outlet Connection Size	Number	Percent Percent Horsepower PSI RPM Inch Inch Gallons/Minute PSI RPM Degrees F/C Inch Inch Inch Inch	mm Liters per Minute		The pumps operational mechanical efficiency. The actual power consumption of the pump. The developed pressure. Pump rotational speed. The connections size of the to and from the pump. The connections size of the to and from the pump. Allowables range of victional resistance against the resistance specified. Allowables range of frictional resistance against which the fluid being pumped against the resistance specified. Allowable range of frictional resistance against which the fluid being pumped. Minimum liquid pressure at the pump inlet to prevent cavitation. Pump rotational speed under nominal conditions. Allowable perstance are the pump inlet to prevent cavitation. Pump rotational speed under nominal conditions. Allowable perstance are the pump in the prevent cavitation. Pump rotational speed under nominal conditions. Allowable perstance are the pump in the prevent cavitation. Pump rotational speed under nominal conditions. Allowable perstance are the pump in the prevent cavitation. Pump rotational speed under nominal conditions. Allowable perstance are the pump in the prevent of discharge into the rainwater system. If the length measured along the yeas in the local coordinates system of the case of a circular shape in plan) of The length measured along the x-ass in the local coordinate system of the drain. Nominal or quoted length measured along the x-ass in the local coordinate system of the drain. Nominal or quoted length measured along the x-ass in the local coordinate system of the drain. Nominal or quoted length measured along the x-ass in the local coordinate system of the drain.						
Mechanical Efficiency Overall Efficiency Power Pressure Rise Rotation Speed Connection Size flow Rate Range flow Rate Range flow Rate Range Nee Positive Suction Head Nominal Rotation Speed Temperature Range Roof Drain Drain Type Cover Leight Cover Width Nominal Body Depth Nominal Body Leight Nominal Body Leight Nominal Body Leight Nominal Body Wath Outlet Connection Size Shower	Number	Percent Percent Horsepower PSI RPM Inch Gallons/Minute PSI RPM Degrees F/C Inch Inch Inch Inch Inch Inch Inch Inch	mm Liters per Minute		The pumps operational mechanical efficiency. The actual power consumption of the pump. The actual power consumption of the pump. The developed pressurer. Pump rotational speed. The connection size of the to and from the pump. Allowable range of fiveline in the pump of the pump of the connection size of the to and from the pump. Allowable range of fiveline in existance against which the fluid is being pumped. Allowable range of firticional resistance against which the fluid is being pumped. Allowable range of firticional resistance against which the fluid is being pumped. Allowable range of firticional resistance against which the fluid is being pumped. Allowable range of firticional resistance against which the pumped of	IfcWasteTerminal IfcSanitaryTerminal					
Mechanical Efficiency Overall Efficiency Power Pressure Rise Rotation Speed Connection Size flow Rate Range flow Rate Range Flow Resistance Range Nee Positive Suction Head Nominal Rotation Speed Temperature Range Roof Drain Drain Type Cover Leight Cover Leight Nominal Body Depth Nominal Body Leight Nominal Body Leight Nominal Body Watth Outlet Connection Size Shower Type	Number Text Number Number	Percent Percent Horsepower PSI RPM Inch Gallons/Minute PSI RPM Degrees F/C Inch Inch Inch Inch Inch Inch Inch Inch	mm Liters per Minute	Drench, Individual, Tunnel, User Defined	The pumps operational mechanical efficiency. The actual power consumption of the pump. The actual power consumption of the pump. The developed pressurer. Pump rotational speed. The connection size of the to and from the pump. Allowable range of fiveline in the pump of the pump of the connection size of the to and from the pump. Allowable range of fiveline in existance against which the fluid is being pumped. Allowable range of firticional resistance against which the fluid is being pumped. Allowable range of firticional resistance against which the fluid is being pumped. Allowable range of firticional resistance against which the fluid is being pumped. Allowable range of firticional resistance against which the fluid is being pumped. Pump rotational speed under nominal conditions. Allowable operational range of the fluid interperture. Pipe fitting, set into the roof, that collects rainwater for dischage into the rainwater system. Identifies the protefined types of drain from which the type required may be set. The length measured along the x-axis in the local coordinate system or the roadiu (in the case of a circular shape in plan) of The length measured along the x-axis in the local coordinate system or the roadius (in the case of a circular shape in plan) of Mominal or quoted length measured along the x-axis in the local coordinate system or the drain. Nominal or quoted length measured along the x-axis in the local coordinate system or the drain. Size of the outlet connection from the object. International or quoted length measured along the x-axis in the local coordinate system or the drain. Size of the outlet connection from the object. International or quoted length measured along the x-axis in the local coordinate system or the drain.						
Mechanical Efficiency Overall Efficiency Power Pressure Rise Rotation Speed Connection Size flow Rate Range flow Rate Range flow Rate Range Nee Positive Suction Head Nominal Rotation Speed Temperature Range Roof Drain Drain Type Cover Leight Cover Width Nominal Body Depth Nominal Body Leight Nominal Body Leight Nominal Body Leight Nominal Body Wath Outlet Connection Size Shower	Number	Percent Percent Horsepower PSI RPM Inch Gallons/Minute PSI RPM Degrees F/C Inch Inch Inch Inch Inch Inch Inch Inch	mm Liters per Minute	Drench, Individual, Tunnel, User Defined	The pumps operational mechanical efficiency. The actual power consumption of the pump. The actual power consumption of the pump. The developed pressurer. Pump rotational speed. The connection size of the to and from the pump. Allowable range of fiveline in the pump of the pump of the connection size of the to and from the pump. Allowable range of fiveline in existance against which the fluid is being pumped. Allowable range of firticional resistance against which the fluid is being pumped. Allowable range of firticional resistance against which the fluid is being pumped. Allowable range of firticional resistance against which the fluid is being pumped. Allowable range of firticional resistance against which the pumped of						
Mechanical Efficiency Overall Efficiency Power Pressure Rise Rotation Speed Connection Size flow Rate Range Flow Resistance Range Net Postive Suction Head Nominal Rotation Speed Temperature Range Roof Drain Drain Type Cover Leight Cover Leight Nominal Body Depth Nominal Body Leight Nominal Body Leight Nominal Body Wath Outlet Connection Size Shower Shower Shower Type Color	Number Text	Percent Percent Horsepower PSI RPM Inch Inch Inch Inch Inch Inch Inch Inch	mm Uters per Minute mm mm mm mm mm mm	Drench, Individual, Tunnel, User Defined	The pumps operational mechanical efficiency. The actual power consumption of the pump. The actual power consumption of the pump. The developed pressurer. Pump rotational speed. The connection size of the to and from the pump. Allowable range of volume of fluid being pumperd against the resistance specified. Allowable range of fictional resistance against which the fluid is being pumperd. Allowable range of fictional resistance against which the fluid is being pumperd. Allowable range of fictional resistance against which the fluid is being pumperd. Allowable range of fictional resistance against which the fluid is being pumperd. Allowable range of fictional resistance against which the fluid is being pumperd. Pump rotational speed under nominal conditions. Allowable operational range of the fluid interperture. Pipe fitting, set into the roof, that collects rainwater for dischage into the rainwater system. Identifies the protefined types of drain from which the type required may be set. The length measured along the x-axis in the local coordinate system or the rainwater of the drain. Nominal or quoted length measured along the x-axis in the local coordinate system or the drain. Nominal or quoted length measured along the x-axis in the local coordinate system or the rainwater. Size of the outlet connection from the object. International or water deepth measured along the x-axis in the local coordinate system or the drain. Nominal or quoted length measured along the x-axis in the local coordinate system or the drain. Size of the outlet connection from the object. International or quoted length measured along the x-axis in the local coordinate system or the drain. Control or pushed length measured along the x-axis in the local coordinate system or the drain. Control or pushed length measured along the x-axis in the local coordinate system or the drain. Control or pushed length measured along the x-axis in the local coordinate system or the drain. Control or pushed length measured along the x-axis in the local coord						
Mechanical Efficiency Overall Efficiency Power Pressure Rise Rotation Speed Connection Size Flow Resistance Range Flow Resistance Range Nee Positive Suction Head Nominal Rotation Speed Temperature Range Rod Drain Drain Type Cover Length Nominal Body Width Outlet Connection Size Shower Shower Type Color Colo	Number	Percent Percent Horsepower PSI RPM Inch Gallons/Minute PSI RPM Degrees F/C Inch Inch Inch Inch Inch Inch Inch Inch	mm Liters per Minute	Drench, Individual, Tunnel, User Defined	The pumps operational mechanical efficiency. The actual power consumption of the pump. The developed pressure. Pump rotational speed. The connection size of the to and from the pump. Allowable range of volume of fluid being pumped against the resistance specified. Allowable range of volume of fluid being pumped against the resistance specified. Allowable range of fictional resistance against which the fluid is being pumped. Allowable range of fictional resistance against which the fluid is being pumped. Allowable range of fictional resistance against which the fluid is being pumped. Allowable range of fictional resistance against which the fluid is being pumped. Allowable paraboration areg of the fluid the upmerture. Pump rotational speed under nominal conditions. Allowable operational range of the fluid the upmerture. Page fitting, set into the roof, that collects rainwater for discharge into the rainwater system. Identifies the predefined types of drain from which the type required may be set. The length measured along the *axis in the local coordinate system of the core of the drain. Nominal or quoted length measured along the *axis in the local coordinate system of the drain. Nominal or quoted length measured along the *axis in the local coordinate system of the drain. Nominal or quoted length measured along the *axis in the local coordinate system of the drain. Nominal or quoted length measured along the *axis in the local coordinate system of the drain. Nominal or quoted length measured along the *axis in the local coordinate system of the drain. Nominal or quoted length measured along the *axis in the local coordinate system of the drain. Nominal or quoted length measured along the *axis in the local coordinate system of the drain. Nominal or quoted length measured along the *axis in the local coordinate system of the drain. Nominal or quoted length measured along the *axis in the local coordinate system of the drain. Nominal or quoted length measured along the *axis in the local coordinate system of the						
Mechanical Efficiency Overall Efficiency Power Pressure Rise Rotation Speed Connection Size flow Rate Range Flow Resistance Range Net Postive Suction Head Nominal Rotation Speed Temperature Range Roof Drain Drain Type Cover Leight Cover Leight Nominal Body Depth Nominal Body Leight Nominal Body Leight Nominal Body Wath Outlet Connection Size Shower Shower Shower Type Color	Number Text	Percent Percent Horsepower PSI RPM Inch Inch Inch Inch Inch Inch Inch Inch	mm Uters per Minute mm mm mm mm mm mm	Drench, Individual, Tunnel, User Defined White, Almond, User Defined	The pumps operational mechanical efficiency. The actual power consumption of the pump. The actual power consumption of the pump. The developed pressurer. Pump rotational speed. The connection size of the to and from the pump. Allowable range of volume of fluid being pumperd against the resistance specified. Allowable range of fictional resistance against which the fluid is being pumperd. Allowable range of fictional resistance against which the fluid is being pumperd. Allowable range of fictional resistance against which the fluid is being pumperd. Allowable range of fictional resistance against which the fluid is being pumperd. Allowable range of fictional resistance against which the fluid is being pumperd. Pump rotational speed under nominal conditions. Allowable operational range of the fluid interperture. Pipe fitting, set into the roof, that collects rainwater for dischage into the rainwater system. Identifies the protefined types of drain from which the type required may be set. The length measured along the x-axis in the local coordinate system or the rainwater of the drain. Nominal or quoted length measured along the x-axis in the local coordinate system or the drain. Nominal or quoted length measured along the x-axis in the local coordinate system or the rainwater. Size of the outlet connection from the object. International or water deepth measured along the x-axis in the local coordinate system or the drain. Nominal or quoted length measured along the x-axis in the local coordinate system or the drain. Size of the outlet connection from the object. International or quoted length measured along the x-axis in the local coordinate system or the drain. Control or pushed length measured along the x-axis in the local coordinate system or the drain. Control or pushed length measured along the x-axis in the local coordinate system or the drain. Control or pushed length measured along the x-axis in the local coordinate system or the drain. Control or pushed length measured along the x-axis in the local coord						
Mechanical Efficiency Overall Efficiency Power Pressure Rise Rotation Speed Connection Size Flow Rate Range Flow Resistance Range Net Positive Suction Head Nommal Rotation Speed Temperature Range Not Drain Temperature Range Core Length Nommal Rotation Speed Temperature Range Core Length Nommal Body Worth Outlet Connection Size Shower Shower Shower Shower Length Color Danis Size Has Tray Nommal Body Length Nom	Number	Percent Percent Percent Horsepower PSI RPM Inch Inch Inch Inch Inch Inch Inch Inch	mm Uters per Minute mm mm mm mm mm mm mm mm	Drench, Individual, Tunnel, User Defined White, Almond, User Defined	The pumps operational mechanical efficiency. The pump and motor overall operational efficiency. The actual power consumption of the pump. The developed pressure. Pump contained aspeed. The connection size of the to and from the pump. Allowable range of violutional resistance against which the fluid is being pumped. Allowable range of frictional resistance against which the fluid is being pumped. Allowable range of frictional resistance against which the fluid is being pumped. Allowable range of the pumped and pumped against which the fluid is being pumped. Minimum liquid pressure at the pump inlet to prevent contained. Pump contained aspeed under mominal conditions. Allowable operational range of the fluid the dependent of the pumped and the pump						
Mechanical Efficiency Overall Efficiency Power Pressure Rise Rotation Speed Connection Size Flow Resistance Range Flow Resistance Range Nee Positive Suction Head Nominal Rotation Speed Temperature Range Roof Drain Orain Type Cover Length Nominal Body Width Outlet Connection Size Shower Shower Shower Shower Shower January Nominal Body Width Outlet Connection Size Has Tray Nominal Depth Nominal Length	Number	Percent Percent Percent Horsepower PSI RPM Inch Gallons/Minute PSI RPM Degrees F/C Inch Inch Inch Inch Inch Inch Inch Inch	mm Uters per Minute mm	Drench, Individual, Tunnel, User Defined White, Almond, User Defined	The pumps operational mechanical efficiency. The actual power consumption of the pump. The developed pressure. Pump rotational speed. The connections size of the to and from the pump. Allowable range of volume of fluid being pumped against the resistance specified. Allowable range of volume of fluid being pumped against the resistance specified. Allowable range of fictional resistance against which the fluid is being pumped. Minimum liquid pressure at the pump lime to prevent caviation. Pump rotational speed under nominal conditions. Allowable paraboral range of the fluid the imperature. Pipe fitting, set into the roof, that collects rainwater for discharge into the rainwater system. General resistance and the roof, that collects rainwater for discharge into the rainwater system. The length measured along the x-axis in the local coordinate system of the cover of the drain. Nominal or quoted length measured sing the x-axis in the local coordinate system of the rainwater of the drain. Nominal or quoted length measured sing the x-axis in the local coordinate system of the drain. Nominal or quoted length measured along the x-axis in the local coordinate system of the drain. Nominal or quoted length measured along the x-axis in the local coordinate system of the drain. Nominal or outsel ength measured along the x-axis in the local coordinate system of the drain. Nominal or outsel ength measured along the x-axis in the local coordinate system of the drain. Nominal or outsel ength measured along the x-axis in the local coordinate system of the drain. Nominal or outsel ength measured along the x-axis in the local coordinate system of the drain. Nominal or outsel ength measured along the x-axis in the local coordinate system of the drain. Nominal or outself ength measured along the x-axis in the local coordinate system of the drain. Nominal or outself ength measured along the x-axis in the local coordinate system of the drain. Nominal or outself ength measured along the x-axis in the local coordinate system of the drain						
Mechanical Efficiency Overall Efficiency Power Pressure Rise Rotation Speed Connection Size Flow Rate Range Flow Resistance Range Net Positive Suction Head Nommal Rotation Speed Temperature Range Not Content Range Core Length Nommal Rotation Speed Temperature Range Core Length Nommal Body Width Outlet Connection Size Shower Shower Shower Last Tray Nommal Body Midth Nommal Bodyth	Number	Percent Percent Percent Horsepower PSI RPM Inch Inch Inch Inch Inch Inch Inch Inch	mm Uters per Minute mm mm mm mm mm mm mm mm	Drench, Individual, Tunnel, User Defined White, Aimond, User Defined True or False	The pumps operational mechanical efficiency. The pump and motor overall operational efficiency. The actual power consumption of the pump. The developed pressure. Pump contational speed. The connection size of the to and from the pump. Allowable range of volume of fluid being pumped against the resistance specified. Allowable range of volume of fluid being pumped against the resistance specified. Allowable range of frictional resistance against which the fluid is being pumped. Minimum liquid perssure at the pump injet to prevent cavitation. Pump rotational speed under nominal conditions. Allowable personal range of the fluid the deep resistance applied to the resistance specified. Allowable prevailed range of the fluid the deep resistance applied to the rainwater system. The length measured along the x-axis in the local coordinate system of the cover of the drain. Nominal or quoted length measured sing the x-axis in the local coordinate system of the cover of the drain. Nominal or quoted length measured sing the x-axis in the local coordinate system of the cover of the drain. Nominal or quoted length measured sing the x-axis in the local coordinate system of the cover of the drain. Nominal or quoted length measured sing the x-axis in the local coordinate system of the cover of the drain. Nominal or quoted length measured sing the x-axis in the local coordinate system of the drain. Nominal or quoted length measured sing the x-axis in the local coordinate system of the drain. So of the outlet connection from the other. Installation or waste water appliance that emits a speral or to wash the human body. Identifies the predefined types of shower from which the type required may be set. Color selection for this object. The length of the drain audiet connection from the object. Nominal or quoted length of the object. Nominal or quoted length of the object. Nominal or quoted length of the object.						
Mechanical Efficiency Overall Efficiency Power Pressure Rise Rotation Speed Connection Size Flow Resistance Range Flow Resistance Range Nee Positive Suction Head Nominal Rotation Speed Temperature Range Roof Drain Orain Type Cover Length Nominal Body Width Outlet Connection Size Shower Shower Shower Shower Shower January Nominal Body Width Outlet Connection Size Has Tray Nominal Depth Nominal Length	Number	Percent Percent Percent Horsepower PSI RPM Inch Gallons/Minute PSI RPM Degrees F/C Inch Inch Inch Inch Inch Inch Inch Inch	mm Uters per Minute mm	Drench, Individual, Tunnel, User Defined White, Airond, Liver Defined True or False	The pumps operational mechanical efficiency. The actual power consumption of the pump. The developed pressure. Pump rotational speed. The connections size of the to and from the pump. Allowable range of volume of fluid being pumped against the resistance specified. Allowable range of volume of fluid being pumped against the resistance specified. Allowable range of fictional resistance against which the fluid is being pumped. Minimum liquid pressure at the pump lime to prevent caviation. Pump rotational speed under nominal conditions. Allowable paraboral range of the fluid the imperature. Pipe fitting, set into the roof, that collects rainwater for discharge into the rainwater system. General resistance and the roof, that collects rainwater for discharge into the rainwater system. The length measured along the x-axis in the local coordinate system of the cover of the drain. Nominal or quoted length measured sing the x-axis in the local coordinate system of the rainwater of the drain. Nominal or quoted length measured sing the x-axis in the local coordinate system of the drain. Nominal or quoted length measured along the x-axis in the local coordinate system of the drain. Nominal or quoted length measured along the x-axis in the local coordinate system of the drain. Nominal or outsel ength measured along the x-axis in the local coordinate system of the drain. Nominal or outsel ength measured along the x-axis in the local coordinate system of the drain. Nominal or outsel ength measured along the x-axis in the local coordinate system of the drain. Nominal or outsel ength measured along the x-axis in the local coordinate system of the drain. Nominal or outsel ength measured along the x-axis in the local coordinate system of the drain. Nominal or outself ength measured along the x-axis in the local coordinate system of the drain. Nominal or outself ength measured along the x-axis in the local coordinate system of the drain. Nominal or outself ength measured along the x-axis in the local coordinate system of the drain						
Mechanical Efficiency Overall Efficiency Power Pressure Rise Rotation Speed Connection Size Flow Rate Range Flow Resistance Range Flow Resistance Range New Positive Suction Head Nominal Rotation Speed Temperature Range Roof Drain Drain Type Cover Length Nominal Body Width Outlet Connection Size Shower Shower Nominal Depth Nominal Depth Nominal Length Nominal Length Nominal Length Nominal Length Nominal Length Nominal Length Nominal Width Shower Head Description Sink or Lavatory	Number	Percent Percent Percent Horsepower PSI RPM Inch Gallons/Minute PSI RPM Degrees F/C Inch Inch Inch Inch Inch Inch Inch Inch	mm Uters per Minute mm	Drench, Individual, Tunnel, User Defined White, Almond, User Defined True or False	The pumps operational mechanical efficiency. The actual power consumption of the pump. The developed pressure. Pump rotational speed. The connections size of the to and from the pump. Allowable range of volume of fluid being pumped against the resistance specified. Allowable range of volume of fluid being pumped against the resistance specified. Allowable range of fictional resistance against which the fluid is being pumped. Minimum liquid pressure at the pump lime to prevent cavitation. Pump rotational speed under nominal conditions. Allowable practional resistance against which the fluid is being pumped. Minimum liquid pressure at the pump lime to prevent cavitation. Pump rotational speed under nominal conditions. Allowable pressure are the pump lime to prevent cavitation. Pump rotational speed under nominal conditions. Allowable operational range of the fluid the generature. Pipe fitting, set into the roof, that collects rainwater for discharge into the rainwater system. The length measured along the x-axis in the local coordinate system of the cave of a circular shape in plan) of The length measured along the x-axis in the local coordinate system of the device of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordin	If/SanitaryTerminal					
Mechanical Efficiency Overall Efficiency Power Pressure Rise Rotation Speed Connection Size Flow Resistance Range Flow Resistance Range Flow Resistance Range New Postive Suction Head Nominal Rotation Speed Temperature Range Roof Drain Orain Type Cover Length Nominal Body Width Outlet Connection Size Shower Shower Type Color Orain Size Has Tray Nominal Depth Nominal Media	Number	Percent Percent Percent Horsepower PSI RPM Inch Gallons/Minute PSI RPM Degrees F/C Inch Inch Inch Inch Inch Inch Inch Inch	mm Uters per Minute mm	Drench, Individual, Tunnel, User Defined White, Almond, User Defined True or False Belfast, Bucket, Cleaners,	The pumps operational mechanical efficiency. The actual power consumption of the pump. The developed pressure. Pump rotational speed. The connections size of the to and from the pump. Allowable range of volume of fluid being pumped against the resistance specified. Allowable range of volume of fluid being pumped against the resistance specified. Allowable range of fictional resistance against which the fluid is being pumped. Minimum liquid pressure at the pump inter to prevent caviation. Pump rotational speed under nominal conditions. Allowable paraboral range of the fluid the preventure dividual to the preventure of	If/SanitaryTerminal					
Mechanical Efficiency Overall Efficiency Power Pressure Rise Rotation Speed Connection Size Flow Rate Range Flow Resistance Range Flow Resistance Range New Positive Suction Head Nominal Rotation Speed Temperature Range Roof Drain Drain Type Cover Length Nominal Body Width Outlet Connection Size Shower Shower Nominal Depth Nominal Depth Nominal Length Nominal Length Nominal Length Nominal Length Nominal Length Nominal Length Nominal Width Shower Head Description Sink or Lavatory	Number	Percent Percent Percent Horsepower PSI RPM Inch Gallons/Minute PSI RPM Degrees F/C Inch Inch Inch Inch Inch Inch Inch Inch	mm Uters per Minute mm	Drench, Individual, Tunnel, User Defined White, Almond, User Defined True or False Befast, Bucket, Cleaners, Combination, Left,	The pumps operational mechanical efficiency. The actual power consumption of the pump. The developed pressure. Pump rotational speed. The connections size of the to and from the pump. Allowable range of volume of fluid being pumped against the resistance specified. Allowable range of volume of fluid being pumped against the resistance specified. Allowable range of fictional resistance against which the fluid is being pumped. Minimum liquid pressure at the pump lime to prevent cavitation. Pump rotational speed under nominal conditions. Allowable practional resistance against which the fluid is being pumped. Minimum liquid pressure at the pump lime to prevent cavitation. Pump rotational speed under nominal conditions. Allowable pressure are the pump lime to prevent cavitation. Pump rotational speed under nominal conditions. Allowable operational range of the fluid the generature. Pipe fitting, set into the roof, that collects rainwater for discharge into the rainwater system. The length measured along the x-axis in the local coordinate system of the cave of a circular shape in plan) of The length measured along the x-axis in the local coordinate system of the device of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordin	If/SanitaryTerminal					
Mechanical Efficiency Overall Efficiency Power Pressure Rise Rotation Speed Connection Size Flow Rate Range Flow Resistance Range Flow Resistance Range New Positive Suction Head Nominal Rotation Speed Temperature Range Roof Drain Drain Type Cover Length Nominal Body Width Outlet Connection Size Shower Shower Nominal Depth Nominal Depth Nominal Length Nominal Length Nominal Length Nominal Length Nominal Length Nominal Length Nominal Width Shower Head Description Sink or Lavatory	Number	Percent Percent Percent Horsepower PSI RPM Inch Gallons/Minute PSI RPM Degrees F/C Inch Inch Inch Inch Inch Inch Inch Inch	mm Uters per Minute mm	Drench, Individual, Tunnel, User Defined White, Almond, User Defined True or False Befast, Bucket, Cleaners, Combination, Ieff, Combination, Right, Combination, Right,	The pumps operational mechanical efficiency. The actual power consumption of the pump. The developed pressure. Pump rotational speed. The connections size of the to and from the pump. Allowable range of volume of fluid being pumped against the resistance specified. Allowable range of volume of fluid being pumped against the resistance specified. Allowable range of fictional resistance against which the fluid is being pumped. Minimum liquid pressure at the pump lime to prevent cavitation. Pump rotational speed under nominal conditions. Allowable practional resistance against which the fluid is being pumped. Minimum liquid pressure at the pump lime to prevent cavitation. Pump rotational speed under nominal conditions. Allowable pressure are the pump lime to prevent cavitation. Pump rotational speed under nominal conditions. Allowable operational range of the fluid the generature. Pipe fitting, set into the roof, that collects rainwater for discharge into the rainwater system. The length measured along the x-axis in the local coordinate system of the cave of a circular shape in plan) of The length measured along the x-axis in the local coordinate system of the device of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordin	If/SanitaryTerminal					
Mechanical Efficiency Overall Efficiency Power Pressure Rise Rotation Speed Connection Size Flow Rate Range Flow Resistance Range Flow Resistance Range New Positive Suction Head Nominal Rotation Speed Temperature Range Roof Drain Drain Type Cover Length Nominal Body Width Outlet Connection Size Shower Shower Nominal Depth Nominal Depth Nominal Length Nominal Length Nominal Length Nominal Length Nominal Length Nominal Length Nominal Width Shower Head Description Sink or Lavatory	Number	Percent Percent Percent Horsepower PSI RPM Inch Gallons/Minute PSI RPM Degrees F/C Inch Inch Inch Inch Inch Inch Inch Inch	mm Uters per Minute mm	Drench, Individual, Tunnel, User Defined White, Almond, User Defined True or False Belfast, Bucket, Cleaners, Combination Left, Combination Right, Combination, Pouble, Drip, Laboratory, Plaster, Pot, Laboratory, Plaster, Pot,	The pumps operational mechanical efficiency. The actual power consumption of the pump. The developed pressure. Pump rotational speed. The connections size of the to and from the pump. Allowable range of volume of fluid being pumped against the resistance specified. Allowable range of volume of fluid being pumped against the resistance specified. Allowable range of fictional resistance against which the fluid is being pumped. Minimum liquid pressure at the pump lime to prevent cavitation. Pump rotational speed under nominal conditions. Allowable practional resistance against which the fluid is being pumped. Minimum liquid pressure at the pump lime to prevent cavitation. Pump rotational speed under nominal conditions. Allowable pressure are the pump lime to prevent cavitation. Pump rotational speed under nominal conditions. Allowable operational range of the fluid the generature. Pipe fitting, set into the roof, that collects rainwater for discharge into the rainwater system. The length measured along the x-axis in the local coordinate system of the cave of a circular shape in plan) of The length measured along the x-axis in the local coordinate system of the device of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordin	If/SanitaryTerminal					
Mechanical Efficiency Overall Efficiency Power Pressure Rise Rotation Speed Connection Size Flow Rate Range Flow Resistance Range Flow Resistance Range New Positive Suction Head Nominal Rotation Speed Temperature Range Roof Drain Drain Type Cover Length Nominal Body Width Outlet Connection Size Shower Shower Nominal Depth Nominal Depth Nominal Length Nominal Length Nominal Length Nominal Length Nominal Length Nominal Length Nominal Width Shower Head Description Sink or Lavatory	Number	Percent Percent Percent Horsepower PSI RPM Inch Gallons/Minute PSI RPM Degrees F/C Inch Inch Inch Inch Inch Inch Inch Inch	mm Uters per Minute mm	Drench, Individual, Tunnel, User Defined White, Almond, User Defined True or False Befast, Bucket, Cleaners, Combination, Ieff, Combination, Right, Combination, Right,	The pumps operational mechanical efficiency. The actual power consumption of the pump. The developed pressure. Pump rotational speed. The connections size of the to and from the pump. Allowable range of volume of fluid being pumped against the resistance specified. Allowable range of volume of fluid being pumped against the resistance specified. Allowable range of fictional resistance against which the fluid is being pumped. Minimum liquid pressure at the pump lime to prevent cavitation. Pump rotational speed under nominal conditions. Allowable practional resistance against which the fluid is being pumped. Minimum liquid pressure at the pump lime to prevent cavitation. Pump rotational speed under nominal conditions. Allowable pressure are the pump lime to prevent cavitation. Pump rotational speed under nominal conditions. Allowable operational range of the fluid the generature. Pipe fitting, set into the roof, that collects rainwater for discharge into the rainwater system. The length measured along the x-axis in the local coordinate system of the cave of a circular shape in plan) of The length measured along the x-axis in the local coordinate system of the device of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordin	If/SanitaryTerminal					
Mechanical Efficiency Overall Efficiency Power Pressure Rise Rotation Speed Connection Size Flow Rate Range Flow Resistance Range Flow Resistance Range New Positive Suction Head Nominal Rotation Speed Temperature Range Roof Drain Drain Type Cover Length Nominal Body Width Outlet Connection Size Shower Shower Nominal Depth Nominal Depth Nominal Length Nominal Length Nominal Length Nominal Length Nominal Length Nominal Length Nominal Width Shower Head Description Sink or Lavatory	Number	Percent Percent Percent Horsepower PSI RPM Inch Gallons/Minute PSI RPM Degrees F/C Inch Inch Inch Inch Inch Inch Inch Inch	mm Uters per Minute mm	Drench, Individual, Tunnel, User Defined White, Almond, User Defined True or False Befast, Bucket, Cleaners, Combination, Left, Combination, Right, Combination, Pight, Right, Right, Risnige, Preparation, Bar, Risning, Preparation, Bar, Risning, Preparation, Bar,	The pumps operational mechanical efficiency. The actual power consumption of the pump. The developed pressure. Pump rotational speed. The connections size of the to and from the pump. Allowable range of volume of fluid being pumped against the resistance specified. Allowable range of volume of fluid being pumped against the resistance specified. Allowable range of fictional resistance against which the fluid is being pumped. Minimum liquid pressure at the pump lime to prevent cavitation. Pump rotational speed under nominal conditions. Allowable practional resistance against which the fluid is being pumped. Minimum liquid pressure at the pump lime to prevent cavitation. Pump rotational speed under nominal conditions. Allowable pressure are the pump lime to prevent cavitation. Pump rotational speed under nominal conditions. Allowable operational range of the fluid the generature. Pipe fitting, set into the roof, that collects rainwater for discharge into the rainwater system. The length measured along the x-axis in the local coordinate system of the cave of a circular shape in plan) of The length measured along the x-axis in the local coordinate system of the device of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordin	If/SanitaryTerminal					
Mechanical Efficiency Overall Efficiency Power Pressure Rise Rotation Speed Connection Size Flow Rate Range Flow Resistance Range Rot Resistance Range Net Positive Suction Head Nominal Rotation Speed Temperature Range Cover Length Cover Width Nominal Body Depth Nominal Body Length Nominal Body Seet Shower Shower Type Color Drain Size Has Tray Nominal Depth Nominal Depth Nominal Depth Nominal Depth Nominal Depth Nominal Depth Nominal Length Nominal Depth Nominal Length Nominal Description Sink or Lavatory Sink Type	Number Text	Percent Percent Percent Horsepower PSI RPM Inch Gallons/Minute PSI RPM Degrees F/C Inch Inch Inch Inch Inch Inch Inch Inch	mm Uters per Minute mm	Drench, Individual, Tunnel, User Defined White, Almond, User Defined True or False Belfast, Bucket, Cleaners, Combination_Left, Combination_Left, Combination_Left, Combination_Left, Combination_Right User Defined	The pumps operational mechanical efficiency. The actual power consumption of the pump. The developed pressurer. Pump rotational speed. The connection size of the to and from the pump. Allowable range of volume of fluid being pumped against the resistance specified. Allowable range of finctional resistance against which the fluid being pumped. Allowable range of finctional resistance against which the fluid being pumped. Allowable range of finctional resistance against which the fluid being pumped. Allowable range of finctional resistance against which the fluid being pumped. Allowable parabolism and against the present causable of the present causable of the present of the causable of the present of the present causable of the present of the causable of the causable of the present of the causable of the causable of the present of the causable of the causab	If/SanitaryTerminal					
Mechanical Efficiency Overall Efficiency Power Pressure Rise Rotation Speed Connection Size Flow Rate Range Flow Resistance Range Flow Resistance Range New Positive Suction Head Nominal Rotation Speed Temperature Range Roof Drain Drain Type Cover Length Nominal Body Width Outlet Connection Size Shower Shower Nominal Depth Nominal Depth Nominal Length Nominal Length Nominal Length Nominal Length Nominal Length Nominal Length Nominal Width Shower Head Description Sink or Lavatory	Number	Percent Percent Percent Horsepower PSI RPM Inch Gallons/Minute PSI RPM Degrees F/C Inch Inch Inch Inch Inch Inch Inch Inch	mm Uters per Minute mm	Drench, Individual, Tunnel, User Defined White, Almond, User Defined True or False Belfast, Bucket, Cleaners, Combination_Left, Combination_Left, Combination_Left, Combination_Left, Combination_Right User Defined	The pumps operational mechanical efficiency. The actual power consumption of the pump. The developed pressure. Pump rotational speed. The connections size of the to and from the pump. Allowable range of volume of fluid being pumped against the resistance specified. Allowable range of volume of fluid being pumped against the resistance specified. Allowable range of fictional resistance against which the fluid is being pumped. Minimum liquid pressure at the pump lime to prevent cavitation. Pump rotational speed under nominal conditions. Allowable practional resistance against which the fluid is being pumped. Minimum liquid pressure at the pump lime to prevent cavitation. Pump rotational speed under nominal conditions. Allowable pressure are the pump lime to prevent cavitation. Pump rotational speed under nominal conditions. Allowable operational range of the fluid the generature. Pipe fitting, set into the roof, that collects rainwater for discharge into the rainwater system. The length measured along the x-axis in the local coordinate system of the cave of a circular shape in plan) of The length measured along the x-axis in the local coordinate system of the device of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordinate system of the drain. Nominal or ounded length measured along the x-axis in the local coordin	If/SanitaryTerminal					
Mechanical Efficiency Overall Efficiency Power Pressure Rise Rotation Speed Connection Size Flow Resistance Range Flow Resistance Range Flow Resistance Range Nee Positive Suction Head Nominal Rotation Speed Temperature Range Rod Drain Drain Type Cover Length Nominal Body Worth Outlet Connection Size Shower Shower Shower Shower Spee Last Tay Nominal Depth Nominal Length Nominal Depth Nominal Length Nominal Length Shower Lawatory Sink Type Color	Number Text	Percent Percent Percent Horsepower PSI RPM Inch Gallons/Minute PSI RPM Degrees F/C Inch Inch Inch Inch Inch Inch Inch Inch	mm Uters per Minute mm	Drench, Individual, Tunnel, User Defined White, Almond, User Defined True or False Belfast, Bucket, Cleaners, Combination Left, Combination Left, Combination Right, Combination, Right, Combination, Palsoratory, Plassing, Preparation, Bar, User Defined White, Almond, User Defined	The pumps operational mechanical efficiency. The actual power consumption of the pump. The developed pressurer. Pump rotational speed. The connection size of the to and from the pump. Allowable range of volume of fluid being pumped against the resistance specified. Allowable range of finctional resistance against which the fluid being pumped. Allowable range of finctional resistance against which the fluid being pumped. Allowable range of finctional resistance against which the fluid being pumped. Allowable range of finctional resistance against which the fluid being pumped. Allowable parabolish and an experiment of the prevent constance of the prevent constance. Pump rotational speed under nominal conditions. Allowable perational range of the fluid the preventure distance in the resistance specified. Allowable perational range of the fluid the preventure distance in the resistance specified. Allowable perational range of the fluid the preventure distance in the resistance specified in the resis	If/SanitaryTerminal					
Mechanical Efficiency Overall Efficiency Power Pressure Rise Rotation Speed Connection Size Flow Rate Range Flow Resistance Range Rot Resistance Range Net Positive Suction Head Nominal Rotation Speed Temperature Range Cover Length Cover Width Nominal Body Depth Nominal Body Length Nominal Body Seet Shower Shower Type Color Drain Size Has Tray Nominal Depth Nominal Depth Nominal Depth Nominal Depth Nominal Depth Nominal Depth Nominal Length Nominal Depth Nominal Length Nominal Description Sink or Lavatory Sink Type	Number Text	Percent Percent Percent Horsepower PSI RPM Inch Gallons/Minute PSI RPM Degrees F/C Inch Inch Inch Inch Inch Inch Inch Inch	mm Uters per Minute mm	Drench, Individual, Tunnel, User Defined White, Almond, User Defined True or False Belfast, Bucket, Cleaners, Combination, Light, Combination, Right, Combination, Delbule, Drip, Laborator, Plaster, Pot, Russing, Preferention, Bur, User Defined White, Almond, User Defined BackToWall, Pedestal,	The pumps operational mechanical efficiency. The actual power consumption of the pump. The developed pressurer. Pump rotational speed. The connection size of the to and from the pump. Allowable range of volume of fluid being pumped against the resistance specified. Allowable range of finctional resistance against which the fluid being pumped. Allowable range of finctional resistance against which the fluid being pumped. Allowable range of finctional resistance against which the fluid being pumped. Allowable range of finctional resistance against which the fluid being pumped. Allowable parabolism and against the present causable of the present causable of the present of the causable of the present of the present causable of the present of the causable of the causable of the present of the causable of the causable of the present of the causable of the causab	If/SanitaryTerminal					
Mechanical Efficiency Overall Efficiency Power Pressure Rise Rotation Speed Connection Size Flow Resistance Range Flow Resistance Range Flow Resistance Range Nee Positive Suction Head Nominal Rotation Speed Temperature Range Rod Drain Drain Type Cover Length Nominal Body Worth Outlet Connection Size Shower Shower Shower Shower Spee Last Tay Nominal Depth Nominal Length Nominal Depth Nominal Length Nominal Length Shower Lawatory Sink Type Color	Number Text	Percent Percent Percent Horsepower PSI RPM Inch Gallons/Minute PSI RPM Degrees F/C Inch Inch Inch Inch Inch Inch Inch Inch	mm Uters per Minute mm	Drench, Individual, Tunnel, User Defined White, Almond, User Defined True or False Belfast, Bucket, Cleaners, Combination Left, Combination Left, Combination Right, Combination, Right, Combination, Palsoratory, Plassing, Preparation, Bar, User Defined White, Almond, User Defined	The pumps operational mechanical efficiency. The actual power consumption of the pump. The developed pressures. Pump contational speed. The connections size of the to and from the pump. Pump contational speed. The connections size of the to and from the pump. Allowable range of victional resistance against which the fluid is being pumped. Allowable range of prictional resistance against which the fluid is being pumped. Allowable range of prictional resistance against which the fluid is being pumped. Minimum liquid pressure at the pump inlet to prevent cavitation. Pump rotational speed under nominal conditions. Allowable personal range of the fluid to temperature. Page fitting, set into the roof, that collects rainwater for discharge into the rainwater system. (The length measured along the + axis in the local coordinate system of the cover of the drain. Nominal or quoted length measured along the + axis in the local coordinate system of the cover of the drain. Nominal or quoted length measured sing the + axis in the local coordinate system of the drain. Nominal or quoted length measured sing the + axis in the local coordinate system of the drain. Nominal or quoted length measured sing the + axis in the local coordinate system of the drain. Nominal or quoted length measured sing the + axis in the local coordinate system of the drain. Nominal or quoted length measured sing the + axis in the local coordinate system of the drain. Nominal or quoted length measured sing the + axis in the local coordinate system of the drain. Nominal or quoted length measured sing the + axis in the local coordinate system of the drain. Nominal or quoted length measured sing the + axis in the local coordinate system of the drain local system of the drain and the system of the drain and th	If/SanitaryTerminal					

Mounting Offset										
	Text				For counter top mounted sinks, the vertical offset between the top of the sink and the counter top.					
Nominal Depth	Number	Inch	mm		Nominal or quoted depth of the object.					
Nominal Length Nominal Width	Number Number	Inch	mm mm		Nominal or quoted length of the object. Nominal or quoted width of the object.					
Tank	Number	Inch	mm			IfcTank				
Tank Type	Text			Fuel Oil Water Rain Water	A tank is a vessel or container in which a fluid or gas is stored for later use	IfcLank				
Nominal Capacity	Number	Gallons	Liters	, uc., Oii, water, Rain water,	Identifies the predefined types of tank from which the type required may be set. The total nominal or design volumetric capacity of the tank.					
Access Type	Text	Guilois	ERCIS	Manhole User Defined	Defines the types of access (or cover) to a tank that may be specified					
Effective Capacity	Number	Gallons	Liters		The total effective or actual volumetric capacity of the tank.					
End Shape Type	Text			Semi-Elliptical,	Defines the types of end shapes that can be used for preformed tanks					
				ASMEFlanged Dished.						
First Curvature Radius	Number	Inch	mm		FirstCurvatureRadius should be defined as the base or left side radius of curvature value.					
Has Ladder	Logical			True or False	Indication of whether the tank is provided with a ladder					
Has Visual Indicator	Logical			True or False	Indication of whether the tank is provided with a visual indicator					
Nominal Depth	Number	Feet			The nominal depth of the tank.					
Nominal Length Or Diameter	Number	Feet			Note: Not required for a horizontal cylindrical tank.					
Nominal Width Or Diameter	Number	Feet			The nominal length or, in the case of a vertical cylindrical tank, the nominal diameter of the tank. The nominal width or, in the case of a horizontal cylindrical tank, the nominal diameter of the tank.					
Nominal Width Or Diameter	Number	reet			Note: Not required for a vertical cylindrical tank.					
Number Of Sections	Number	None		1,2,3	Number of sections used in the construction of the tank. Default is 1.					
					Note: All sections assumed to be the same size.					
Operating Weight	Number	Lbs/Kg			Operating weight of the tank including all of its contents.					
Pattern Type	Text				Defines the types of pattern (or shape of a tank that may be specified.					
				Cylinder, Rectangular, Other,						
				Not Known						
Second Curvature Radius	Number	Inch	mm		SecondCurvatureRadius should be defined as the top or right side radius of curvature value.			-		
Tank Composition	Text			Complex, Element, Partial,	Defines the level of element composition where		1			
Expansion Tank				User Defined	Common attributes of an expansion type tank.					
Charge Pressure	Number	PSI			Nominal or design operating pressure of the tank.					
Pressure Regulator Setting	Number	PSI			Pressure that is automatically maintained in the tank.	 				
Relief Valve Setting	Number	PSI	l		Pressure at which the relief valve activates.					
Pressure Vessel					Common attributes of a pressure vessel.					
Charge Pressure	Number	PSI			Nominal or design operating pressure of the tank.					
Pressure Regulator Setting	Number	PSI			Pressure that is automatically maintained in the tank.					
Relief Valve Setting	Number	PSI			Pressure at which the relief valve activates.					
Sectional Tank					Fixed vessel constructed from sectional parts with one or more compartments for storing a liquid.					
Number Of Sections	Number	None		1,2,3	Number of sections used in the construction of the tank					
Section Length	Number	Inch	mm		The length of a section used in the construction of the tank.					
Section Width	Number	Inch	mm		The width of a section used in the construction of the tank.					
Toilet Bowl					Soil appliance for the disposal of excrement.	IfcSanitaryTerminal				
Toilet Type	Text				Identifies the predefined types of toilet from which the type required may be set.					
				CloseCoupled, LooseCoupled,						
				SlopHopper,						
				User Defined						
Color	Text			White Almond Hear Defined	Color selection for this object					
Color	Text			write, Almond, user belined	color selection for this object					
Nominal Depth	Number	Inch	mm		Nominal or quoted depth of the object.					
Nominal Length	Number	Inch	mm		Nominal or quoted length of the object.					
Nominal Width	Number	Inch	mm		Nominal or quoted width of the object.					
Pan Mounting	Text			BackToWall, Pedestal,	The property defines the forms of mounting or fixing of the sanitary terminal					
				WallHung, User Defined						
			mm		The level at which water spills out of the terminal.					
Spillover Level	Number	Inch	111111							
Spillover Level Toilet Pan Type	Number Text	Inch		Siphonic, Squat, WashDown,	The property defines the types of toilet pan					
Spillover Level Toilet Pan Type		Inch		Siphonic, Squat, WashDown, WashOut, User Defined	The property defines the types of toilet pan					
Toilet Pan Type		Inch		Siphonic, Squat, WashDown,		Mr. and a second				
Spillover Level Toilet Pan Type Toilet Tank		Inch		Siphonic, Squat, WashDown,	A water storage unit attached to a sanitary terminal that is fitted with a device, operated automatically or by the user, that	IfcSanitaryTerminal				
Toilet Pan Type Toilet Tank	Text			Siphonic, Squat, WashDown, WashOut, User Defined	A water storage unit attached to a sanitary terminal that is fitted with a device, operated automatically or by the user, that discharges water to cleance a water closet (toilet pan, urinal or slop hopper.	If Sanitary Terminal				
Toilet Pan Type Toilet Tank Tank Capacity	Text	Inch	Liters	Siphonic, Squat, WashDown, WashOut, User Defined	A water storage unit attached to a sanitary terminal that is fitted with a device, operated automatically or by the user, that discharges water to deanse a water close! (toilet) pan, urinal or slop hopper. Volumentic papels of the tank	IfcSanitaryTerminal				
Toilet Pan Type Toilet Tank	Text			Siphonic, Squat, WashDown, WashOut, User Defined	A water storage unit attached to a sanitary terminal that is fitted with a device, operated automatically or by the user, that discharges water to deanse a water close! (toilet) pan, urinal or slop hopper. Volumentic papels of the tank	IfcSanitaryTerminal				
Toilet Pan Type Toilet Tank Tank Capacity	Text		Liters	Siphonic, Squat, WashDown, WashOut, User Defined White, Almond, User Defined	A water storage unit attached to a sanitary terminal that is fitted with a device, operated automatically or by the user, that discharges water to cleanse a water closet (toilet) pan, unfinal or slop hopper. Volumetric capacity of the tank Color of the object.	IfcSanitaryTerminal				
Toilet Pan Type Toilet Tank Tank Capacity Tank Color	Number Text	Gallons	Liters	Siphonic, Squat, WashDown, WashOut, User Defined White, Almond, User Defined	A water storage unit attached to a sanitary terminal that is fitted with a device, operated automatically or by the user, that discharges water to deanse a water close! (toilet) pan, urinal or slop hopper. Volumentic papels of the tank	IfcSanitaryTerminal				
Toilet Pan Type Toilet Tank Tank Capacity Tank Color Tank Height Flush Rate	Number Text Number Number Number	Gallons	Liters	Siphonic, Squat, WashDown, WashOut, User Defined White, Almond, User Defined Number Value or None	A water storage unit attached to a sanitary terminal that is fitted with a device, operated automatically or by the user, that discharges water to cleanse a water closet (toilet) pan, urinsl or slop hopper. Volumentic capacity of the tank Color of the object. Enumeration that identifies the height of the tank or no tank The minimum and maximum volume of water used at each flush.	IfcSantaryTerminal				
Toilet Pan Type Toilet Tank Tank Capacity Tank Color Tank Height	Number Text Number	Gallons	Liters	Siphonic, Squat, WashDown, WashOut, User Defined White, Almond, User Defined Number Value or None Lever, Pull, Push, Sensor, User	A water storage unit attached to a sanitary terminal that is fitted with a device, operated automatically or by the user, that discharges water to cleanse a water closet (toilet) pan, urinsl or slop hopper. Volumentic capacity of the tank Color of the object. Enumeration that identifies the height of the tank or no tank	IfcSanitaryTerminal				
Toilet Fan Type Toilet Tank Tank Capacity Tank Color Tank Height Flush Rate Flush Type	Number Text Number Number Text Number Number	Gallons	Liters	Siphonic, Squat, WashDown, WashOut, User Defined White, Almond, User Defined Number Value or None Lever, Pull, Push, Sensor, User Defined	A water storage unit attached to a sanitary terminal that is fitted with a device, operated automatically or by the user, that discharges water to cleanse a water closet (toilet) pan, urinal or slop hopper. Volumentic capacity of the tank Color of the object. Enumeration that identifies the height of the tank or no tank The minimum and maximum volume of water used at each flush. The types of flushing mechanism that may be specified for tanks and sanitary terminals	IfCSanitaryTerminal				
Toilet Pan Type Toilet Tank Tank Capacity Tank Color Tank Height Flush Rate Flush Type 1s Automatic Flush	Number Text Number Number Number Number Logical	Gallons	Liters	Siphonic, Squat, WashDown, WashOut, User Defined White, Almond, User Defined Number Value or None Lever, Pull, Push, Sensor, User Defined True or Faise	A water storage unit attached to a sanitary terminal that is fitted with a device, operated automatically or by the user, that discharges water to cleanse a water closet (toilet) pan, urinal or slop hopper. Volumetric capacity of the tank Color of the object. Enumeration that identifies the height of the tank or no tank The minimum and maximum volume of water used at each flush. The types of flushing mechanism that may be specified for tanks and sanitary terminals Value that determines if the tank is flushed automatically either after each use or periodically	IfcSanitaryTerminal				
Toilet Fan Type Toilet Tank Tank Capacity Tank Color Tank Height Flush Rate Flush Type 1s Automatic Flush 1s Single Flush	Number Text Number Number Text Number Number	Gallons	Liters	Siphonic, Squat, WashDown, WashDut, User Defined White, Almond, User Defined Number Value or None Lever, Pull, Push, Sensor, User Defined True or False True or False	A water storage unit attached to a sanitary terminal that is fitted with a device, operated automatically or by the user, that discharges water to cleanse a water closet (toilet) pan, urinal or slop hopper. Volumetric capacity of the tank Color of the object. Enumeration that identifies the height of the tank or no tank The minimum and maximum volume of water used at each flush. The types of flushing mechanism that may be specified for tanks and sanitary terminals. Value that determines if the tank is flushed automatically either after each use or periodically indicates whether the rank is single flush.					
Toilet Pan Type Toilet Tank Tank Capacity Tank Color Tank Height Flush Rate Flush Type 1s Automatic Flush Is Single Flush Urinal	Number Text Number Number Number Number Logical	Gallons	Liters	Siphonic, Squat, WashDown, WashOut, User Defined White, Almond, User Defined Number Value or None Lever, Pull, Push, Sensor, User Defined True or False True or False	A water storage unit attached to a sanitary terminal that is fitted with a device, operated automatically or by the user, that discharges water to cleanse a water closel (foilet) pan, unrial or slop hopper. Volumettic capacity of the tank. Color of the object. Enumeration that identifies the height of the tank or no tank. The minimum and maximum volume of water used at each flush. The types of flushing mechanism that may be specified for tanks and sanitary terminals. Value that determines if the tank is flushed automatically either after each use or periodically indicates whether the tank is single flush.	IfcSanitaryTerminal IfcSanitaryTerminal IfcSanitaryTerminal				
Toilet Fan Type Toilet Tank Tank Capacity Tank Color Tank Height Flush Rate Flush Type 1s Automatic Flush 1s Single Flush	Number Text Number Number Number Text Logical Logical	Gallons	Liters	Siphonic, Squat, WashDown, WashOut, User Defined White, Almond, User Defined Number Value or None Lever, Pull, Push, Sensor, User Defined True or False True or False	A water storage unit attached to a sanitary terminal that is fitted with a device, operated automatically or by the user, that discharges water to cleanse a water closet (toilet) pan, urinal or slop hopper. Volumetric capacity of the tank Color of the object. Enumeration that identifies the height of the tank or no tank The minimum and maximum volume of water used at each flush. The types of flushing mechanism that may be specified for tanks and sanitary terminals. Value that determines if the tank is flushed automatically either after each use or periodically indicates whether the rank is single flush.					
Toilet Pan Type Toilet Tank Tank Capacity Tank Color Tank Height Flush Rate Flush Type 1s Automatic Flush Is Single Flush Urinal	Number Text Number Number Number Text Logical Logical	Gallons	Liters	Siphonic, Squat, WashDown, WashOut, User Defined White, Almond, User Defined Number Value or None Lever, Pull, Puth, Sensor, User True or False True or False Bowl, Slab, Satl, Trough, Wall Mounted, User Defined	A water storage unit attached to a sanitary terminal that is fitted with a device, operated automatically or by the user, that discharges water to cleanse a water closet (toilet) pan, urinal or slop hopper. Volumetric capacity of the tank color of the object. Enumeration that identifies the height of the tank or no tank The minimum and maximum volume of water used at each flush. The types of flushing mechanism that may be specified for tanks and sanitary terminals. Value that determines if the tank is flushed automatically either after each use or periodically indicates whether the tank is slight either. Soil appliance that receives urine and directs it to a waste outlet. Identifies the prodefined types of urinal from which the type required may be set.					
Toilet Pan Type Toilet Tank Tank Capacity Tank Color Tank Height Flush Rate Flush Type 1s Automatic Flush Is Single Flush Urinal	Number Text Number Number Number Text Logical Logical	Gallons	Liters	Siphonic, Squat, WashDown, WashDut, User Defined White, Almond, User Defined Number Value or None Lever, Pull, Push, Sensor, User Defined True or False True or False Bowl, Slab, Stall, Trough, Wall	A water storage unit attached to a sanitary terminal that is fitted with a device, operated automatically or by the user, that discharges water to cleanse a water closet (toilet) pan, urinal or slop hopper. Volumetric capacity of the tank color of the object. Enumeration that identifies the height of the tank or no tank The minimum and maximum volume of water used at each flush. The types of flushing mechanism that may be specified for tanks and sanitary terminals. Value that determines if the tank is flushed automatically either after each use or periodically indicates whether the tank is slight either. Soil appliance that receives urine and directs it to a waste outlet. Identifies the prodefined types of urinal from which the type required may be set.					
Toilet Fan Type Toilet Tank Tank Capacity Tank Color Tank Height Flus Rate Flush Type Is Automatic Flush Usnal Usnal Usnal Color	Number Text Number Number Number Text Logical Logical Text	Gallons	Liters	Siphonic, Squat, WashDown, WashOut, User Defined White, Almond, User Defined Number Value or None Lever, Pull, Pluth, Sensor, User Defined True or False True or False Bowl, Slab, Satl, Trough, Wall Mounted, User Defined White, Almond, User Defined	A water storage unit attached to a sanitary terminal that is fitted with a device, operated automatically or by the user, that discharges water to cleanse a water closet (toilet) pan, urinal or slop hopoper. Volumetric capacity of the tank Color of the object. Enumeration that identifies the height of the tank or no tank The minimum and maximum volume of water used at each flush. The types of flushing mechanism that may be specified for tanks and sanitary terminals Value that determines if the tank is flushed automatically either after each use or periodically indicates whether the tank is single flush Soil appliance that receives urine and directs it to a waste outlet. Identifies the predefined types of urinal from which the type required may be set. Color of the urinal.					
Toilet Fan Type Toilet Tank Tank Capacity Tank Color Tank Height Flush Rate Flush Type Is Automatic Flush Urinal Urinal Urinal Type	Number Text Number Number Number Text Logical Logical Text	Gallons	Liters	Siphonic, Squat, WashDown, WashOut, User Defined White, Almond, User Defined Number Value or None Lever, Pull, Push, Sensor, User Defined True or False True or False Bowl, Sals, Stall, Trough, Wall Mounted, User Defined White, Almond, User Defined BackToWall, Iser-Defined	A water storage unit attached to a sanitary terminal that is fitted with a device, operated automatically or by the user, that discharges water to cleanse a water closet (toilet) pan, urinal or slop hopper. Volumetric capacity of the tank color of the object. Enumeration that identifies the height of the tank or no tank The minimum and maximum volume of water used at each flush. The types of flushing mechanism that may be specified for tanks and sanitary terminals. Value that determines if the tank is flushed automatically either after each use or periodically indicates whether the tank is slight either. Soil appliance that receives urine and directs it to a waste outlet. Identifies the prodefined types of urinal from which the type required may be set.					
Toilet Fan Type Toilet Tank Tank Capacity Tank Color Tank Height Flush Rate Flush Type Is Automatic Flush It Single Flush Urnal Urnal Urnal Urnal Color Mounting	Text Number Text Number Text Logical Logical Text Text Text	Gallons Inch Gallons/Minute	Liters mm Liters per Minute	Siphonic, Squat, WashDown, WashOut, User Defined White, Almond, User Defined Number Value or None Lever, Pull, Push, Sensor, User Defined True or False True or False True or False White, Almond, User Defined White, Almond, User Defined Bact Towall, Pedestal, Wallfung, User Defined	A water storage unit attached to a sanitary terminal that is fitted with a device, operated automatically or by the user, that discharges water to cleanse a water closet (toilet) pan, urinal or slop hopper. Volumetric capacity of the tank color of the object. Enumeration that identifies the height of the tank or no tank The minimum and maximum volume of water used at each flush. The types of flushing mechanism that may be specified for tanks and sanitary terminals. Value that determines if the tank is flushed automatically either after each use or periodically indicates whether the tank is slight either thanks and sanitary terminals. Sall appliance that receives urine and directs it to a waste outlet. Identifies the predefined types of urinal from which the type required may be set. Calor of the urinal.					
Toilet Pan Type Toilet Tank Tank Capacity Tank Color Tank Height Flush Rate Flush Type Is Automatic Flush Is Single Flush Urinal Urinal Type Color Mounting Nominal Depth	Number Text Number Number Text Logical Logical Text Text Text Number	Gallons Inch Gallons/Minute	Liters mm Liters per Minute	Siphonic, Squat, WashDown, WashOut, User Defined White, Almond, User Defined Number Value or None Lever, Pull, Push, Sensor, User Defined True or False True or False True or False White, Almond, User Defined BackToWall, Pedestal, WallHung, User Defined	A water storage unit attached to a sanitary terminal that is fitted with a device, operated automatically or by the user, that discharges water to cleanse a water closet (toilet) pain, urinal or slop hoppoer. Volumetric capacity of the tank Color of the object. Enumeration that identifies the height of the tank or no tank The minimum and maximum volume of water used at each flush. The types of flushing mechanism that may be specified for tanks and sanitary terminals Value that determines if the tank is flushed automatically either after each use or periodically indicates alweither the tank is single flush Sold appliance that receives urine and directs. It do a waste outlet. deentifies the predefined types of urinal from which the type required may be set. Color of the urinal. Selection of the form of mounting Nominal or quoted depth of the object.					
Toilet Fan Type Toilet Tank Tank Capacity Tank Color Tank Height Flush Rate Flush Type Is Automatic Flush It Single Flush Urnal Urnal Urnal Color Mounting Nominial Depth Nominial Length	Text Number Text Number Text Logical Logical Text Text Text Text Number	Gallons Inch Gallons/Minute	Liters mm Uters per Minute mm mm	Siphonic, Squat, WashDown, WashOut, User Defined White, Almond, User Defined Number Value or None Lever, Pull, Puth, Sensor, User Defined True or False True or False True or False Mounted, User Defined White, Almond, User Defined BackToWall, Pedestal, WallHung, User Defined	A water storage unit attached to a sanitary terminal that is fitted with a device, operated automatically or by the user, that discharges water to cleanse a water closet (toilet) pan, urinal or slop hopper. Volumetric capacity of the tank Color of the object. Renumeration that identifies the height of the tank or no tank The minimum and maximum volume of water used at each flush. The types of flushing mechanism that may be specified for tanks and sanitary terminals Value that determines if the tank is flushed automatically either after each use or periodically indicates whether the tank is single flush Soil appliance that receives urine and directs it to a waste outlet. Identifies the predefined types of urinal from which the type required may be set. Color of the urinal. Selection of the form of mounting Nominal or quoted depth of the object. Nominal or quoted depth of the object.					
Toilet Pan Type Toilet Tank Tank Capacity Tank Color Tank Height Flush Rate Flush Type Is Automatic Flush Is Single Flush Urinal Urinal Type Color Mounting Nominal Length Nominal Length Nominal Myth	Number Text Number Text Number Text Logical Logical Logical Text Text Text Number Number Number Number	Gallons Inch Gallons/Minute Inch Inch Inch Inch Inch Inch Inch	Liters mm Liters per Minute in mm mm mm	Siphonic, Squat, WashDown, WashOut, User Defined White, Almond, User Defined Number Value or None Lever, Pull, Puth, Sensor, User Defined True or False True or False True or False Mounted, User Defined White, Almond, User Defined BackToWall, Pedestal, WallHung, User Defined	A water storage unit attached to a sanitary terminal that is fitted with a device, operated automatically or by the user, that discharges water to cleanse a water close! (toilet! pan, urinal or slop hopper. Volumetric capacity of the tank Color of the object. Enumeration that identifies the height of the tank or no tank The minimum and maximum volume of water used at each flush. The types of flushing mechanism that may be specified for tanks and sanitary terminals Value that determines! The tank is flushed automatically either after each use or periodically indicates abether the tank is raight flush solicates abether the tank is raight flush conclusions a specified for the contest. dentifies the predictions of urinal from which the type required may be set. Color of the urinal. Selection of the form of mounting Nominal or quoted depth of the object. Nominal or quoted depth of the object.					
Toilet Fan Type Toilet Tank Tank Capacity Tank Color Tank Height Flush Rate Flush Type Is Automatic Flush It Single Flush Urnal Urnal Urnal Color Mounting Nominal Depth Nominal Length Nominal Length Nominal Length Nominal Mydth Spillower Level	Text Number Text Number Text Logical Logical Text Text Text Text Number	Gallons Inch Gallons/Minute	Liters mm Uters per Minute mm mm	Siphonic, Squat, WashDown, WashOut, User Defined White, Almond, User Defined Number Value or None Lever, Pull, Puth, Sensor, User Berned True or False True or False True or False Bowl, Slab, Stall, Trough, Wall Mounted, User Defined BackToWall, Pedestal, WallHung, User Defined	A water storage unit attached to a sanitary terminal that is fitted with a device, operated automatically or by the user, that discharges water to cleanse a water closet (toilet) pan, urinal or slop hopper. Volumetric capacity of the tank Color of the object. Renumeration that identifies the height of the tank or no tank The minimum and maximum volume of water used at each flush. The types of flushing mechanism that may be specified for tanks and sanitary terminals Value that determines if the tank is flushed automatically either after each use or periodically indicates whether the tank is single flush Soil appliance that receives urine and directs it to a waste outlet. Identifies the predefined types of urinal from which the type required may be set. Color of the urinal. Selection of the form of mounting Nominal or quoted depth of the object. Nominal or quoted keight of the object. Nominal or quoted with of the object.	IfCSanitaryTerminal				
Toilet Pan Type Toilet Tank Tank Capacity Tank Color Tank Height Flush Rate Flush Type 1s Automatic Flush 1s Single Flush Urinal Urinal Type Color Mounting Nominal Depth Nominal Length Nominal Mydth Spillower Level	Number Text Number Text Number Text Logical Logical Logical Text Text Text Number Number Number Number	Gallons Inch Gallons/Minute Inch Inch Inch Inch Inch Inch Inch	Liters mm Liters per Minute in mm mm mm	Siphonic, Squat, WashDown, WashOut, User Defined White, Almond, User Defined Number Value or None Lever, Pull, Push, Sensor, User Defined True or False True or False True or False White, Almond, User Defined White, Almond, User Defined Wallhung, User Defined	A water storage unit attached to a sanitary terminal that is fitted with a device, operated automatically or by the user, that discharges water to cleanse a water closel (toilet) pain, urinal or slop hopper. Volumetric capacity of the tank Color of the object. Enumeration that identifies the height of the tank or no tank The minimum and maximum volume of water used at each flush. The types of flushing mechanism that may be specified for tanks and sanitary terminals Value that destermines if the tank is flushed automatically either after each use or periodically indicates whether the tank is single flush. Soil appliance that receives urine and diffects it to a waste outlet. Identifies the prefedence types of urinal from which the type required may be set. Color of the urinal. Selection of the form of mounting Nominal or quoted depth of the object. Nominal or quoted weight of the object. The level at which water spills out of the object. The level at which water spills out of the object. The level at which water spills out of the object.					
Toilet Fan Type Toilet Tank Tank Capacity Tank Color Tank Height Flush Rate Flush Type Is Automatic Flush Is Single Flush Urnal Urnal Urnal Color Mounting Nominal Depth Nominal Length Nominal Length Nominal Length Nominal Width Spillower Level Valve Val	Number Text Number Number Text Logical Logical Text Text Text Text Number Number Number Number Number	Gallons Inch Gallons/Minute Inch Inch Inch Inch Inch Inch Inch	Liters mm Liters per Minute in mm mm mm	Siphonic, Squat, WashDown, WashOut, User Defined White, Almond, User Defined Number Value or None Lever, Pull, Puth, Sensor, User Ever Pull, Puth, Sensor, User True or False True or False True or False Wall, Stab, Stall, Trough, Wall Mounted, User Defined BackToWall, Pedestal, WallHung, User Defined	A water storage unit attached to a sanitary terminal that is fitted with a device, operated automatically or by the user, that discharges water to cleanse a water closet (toilet) pan, urinal or slop hopper. Volumetric capacity of the tank Color of the object. The minimum and maximum volume of water used at each flush. The minimum and maximum volume of water used at each flush. The types of flushing mechanism that may be specified for tanks and sanitary terminals. Value that determines if the tank is flushed automatically either after each use or periodically indicates whether the tank is single flush. Soil appliance that receives urine and directs it to a waste outlet. Identifies the predefined types of urinal from which the type required may be set. Color of the urinal. Selection of the form of mounting Normial or quoted depth of the object. Normial or quoted kepth of the object. Normial or quoted with of the object.	IfCSanitaryTerminal				
Toilet Pan Type Toilet Tank Tank Capacity Tank Color Tank Height Flush Rate Flush Type 1s Automatic Flush 1s Single Flush Urinal Urinal Type Color Mounting Nominal Depth Nominal Length Nominal Mydth Spillower Level	Number Text Number Text Number Text Logical Logical Logical Text Text Text Number Number Number Number	Gallons Inch Gallons/Minute Inch Inch Inch Inch Inch Inch Inch	Liters mm Liters per Minute in mm mm mm	Siphonic, Squat, WashDown, WashOut, User Defined White, Almond, User Defined Number Value or None Lever, Pull, Puth, Sensor, User Ever Pull, Puth, Sensor, User True or False True or False True or False Wall, Stab, Stall, Trough, Wall Mounted, User Defined BackToWall, Pedestal, WallHung, User Defined	A water storage unit attached to a sanitary terminal that is fitted with a device, operated automatically or by the user, that discharges water to cleanse a water closel (toilet) pain, urinal or slop hoppoer. Volumetric capacity of the tank Color of the object. Enumeration that identifies the height of the tank or no tank The minimum and maximum volume of water used at each flush. The types of flushing mechanism that may be specified for tanks and sanitary terminals Value that destermines if the tank is flushed automatically either after each use or periodically indicates whether the tank is single flush. Soil appliance that receives urine and diffects it to a waste outlet. Identifies the predefined types of urinal from which the type required may be set. Color of the urinal. Selection of the form of mounting Nominal or quoted depth of the object. Nominal or quoted weight of the object. The level at which water spills out of the object. Alwale is used as hadding services ping distribution system to control or modulate the flow of the fluid. Identifies the predefined types of valve from which the type required may be set.	IfCSanitaryTerminal				
Toilet Fan Type Toilet Tank Tank Capacity Tank Color Tank Height Flush Rate Flush Type Is Automatic Flush Is Single Flush Urnal Urnal Urnal Color Mounting Nominal Depth Nominal Length Nominal Length Nominal Length Nominal Width Spillower Level Valve Val	Number Text Number Number Text Logical Logical Text Text Text Text Number Number Number Number Number	Gallons Inch Gallons/Minute Inch Inch Inch Inch Inch Inch Inch	Liters mm Liters per Minute in mm mm mm	Siphonic, Squat, WashDown, WashOut, User Defined White, Almond, User Defined Number Value or None Lever, Pull, Push, Sensor, User Defined True or Faise True or Faise True or Faise Walley, Sand Standard, User Defined White, Almond, User Defined BackToWall, Pedestal, WallHung, User Defined	A water storage unit attached to a sanitary terminal that is fitted with a device, operated automatically or by the user, that discharges water to cleanse a water closel (toilet) pain, urinal or slop hoppoer. Volumetric capacity of the tank Color of the object. Enumeration that identifies the height of the tank or no tank The minimum and maximum volume of water used at each flush. The types of flushing mechanism that may be specified for tanks and sanitary terminals Value that destermines if the tank is flushed automatically either after each use or periodically indicates whether the tank is single flush. Soil appliance that receives urine and diffects it to a waste outlet. Identifies the predefined types of urinal from which the type required may be set. Color of the urinal. Selection of the form of mounting Nominal or quoted depth of the object. Nominal or quoted weight of the object. The level at which water spills out of the object. Alwale is used as hadding services ping distribution system to control or modulate the flow of the fluid. Identifies the predefined types of valve from which the type required may be set.	IfCSanitaryTerminal				
Toilet Fan Type Toilet Tank Tank Capacity Tank Color Tank Height Flush Rate Flush Type Is Automatic Flush Is Single Flush Urnal Urnal Urnal Color Mounting Nominal Depth Nominal Length Nominal Length Nominal Length Nominal Width Spillower Level Valve Val	Number Text Number Number Text Logical Logical Text Text Text Text Number Number Number Number Number	Gallons Inch Gallons/Minute Inch Inch Inch Inch Inch Inch Inch	Liters mm Liters per Minute in mm mm mm	Siphonic, Squat, WashDown, WashOut, User Defined White, Almond, User Defined Number Value or None Lever, Pull, Push, Sensor, User Defined True or False True or False True or False True or False White, Almond, User Defined BackToWall, Pedestal, Wallhung, User Defined Singleport, Angled, 2 Port,	A water storage unit attached to a sanitary terminal that is fitted with a device, operated automatically or by the user, that discharges water to cleanse a water closel (toilet) pain, urinal or slop hoppoer. Volumetric capacity of the tank Color of the object. Enumeration that identifies the height of the tank or no tank The minimum and maximum volume of water used at each flush. The types of flushing mechanism that may be specified for tanks and sanitary terminals Value that destermines if the tank is flushed automatically either after each use or periodically indicates whether the tank is single flush. Soil appliance that receives urine and diffects it to a waste outlet. Identifies the predefined types of urinal from which the type required may be set. Color of the urinal. Selection of the form of mounting Nominal or quoted depth of the object. Nominal or quoted weight of the object. The level at which water spills out of the object. Alwale is used as hadding services ping distribution system to control or modulate the flow of the fluid. Identifies the predefined types of valve from which the type required may be set.	IfCSanitaryTerminal				
Toilet Fan Type Toilet Tank Tank Capacity Tank Color Tank Height Flush Rate Flush Type Is Automatic Flush Is Single Flush Urnal Urnal Urnal Color Mounting Nominal Depth Nominal Length Nominal Length Nominal Length Nominal Width Spillower Level Valve Val	Number Text Number Number Text Logical Logical Text Text Text Text Number Number Number Number Number	Gallons Inch Gallons/Minute Inch Inch Inch Inch Inch Inch Inch	Liters mm Liters per Minute in mm mm mm	Siphonic, Squat, WashDown, WashOut, User Defined White, Almond, User Defined Number Value or None Lever, Pull, Push, Sensor, User Defined True or Faise True or Faise Bowl, Slab, Stall, Trough, Wall Mounted, User Defined White, Almond, User Defined SackToWall, Pedestal, WallHung, User Defined Singleport, Angled, 2 Port, Sringlet, 2, Port, Straight, 3 _Port, Crossover, 4, Port	A water storage unit attached to a sanitary terminal that is fitted with a device, operated automatically or by the user, that discharges water to cleanse a water closel (toilet) pain, urinal or slop hoppoer. Volumetric capacity of the tank Color of the object. Enumeration that identifies the height of the tank or no tank The minimum and maximum volume of water used at each flush. The types of flushing mechanism that may be specified for tanks and sanitary terminals Value that destermines if the tank is flushed automatically either after each use or periodically indicates whether the tank is single flush. Soil appliance that receives urine and diffects it to a waste outlet. Identifies the predefined types of urinal from which the type required may be set. Color of the urinal. Selection of the form of mounting Nominal or quoted depth of the object. Nominal or quoted weight of the object. The level at which water spills out of the object. Alwale is used as hadding services ping distribution system to control or modulate the flow of the fluid. Identifies the predefined types of valve from which the type required may be set.	IfCSanitaryTerminal				
Toilet Pan Type Toilet Tank Tank Calor Tank Color Tank Height Flush Rate Flush Type Is Automatic Flush Is Single Flush Urinal Urinal Urinal Type Color Mounting Nominal Depth Nominal Length Nominal Length Nominal Length Nominal Width Spillover Level Valve Valve Pattern Valve Pattern Color off Rating Color of Flating	Text Number Text Number Number Text Logical Logical Text Text Text Text Text Text Text Number	Gallons Inch Gallons/Minute Inch Inch Inch Inch Inch Inch Inch Inc	Liters mm Liters per Minute in mm mm mm	Siphonic, Squat, WashDown, WashOut, User Defined White, Almond, User Defined Number Value or None Lever, Pull, Pauth, Sensor, User Defined True or False True or False True or False Bowl, Slab, Stall, Trough, Wall Mounted, User Defined Back/Nowall, Pedestal, Wallfung, User Defined Singleport, Angled, 2 Port, Straight, 2, Port, Straight, 3 Port, Crossover, 4, Port	A water storage unit attached to a sanitary terminal that is fitted with a device, operated automatically or by the user, that discharges water to cleanse a water closel (foller) pain, urinal or slop hoppoer. Volumetric capacity of the tank Color of the object. Enumeration that identifies the height of the tank or no tank The minimum and maximum volume of water used at each flush. The types of flushing mechanism that may be specified for tanks and sanitary terminals Value that determines if the tank is flushed automatically either after each use or periodically indicates whether the tank is single flush Solia palplance that necesses urine and adirects it to a waste outlet. Identifies the predefined types of urinal from which the type required may be set. Color of the urinal. Selection of the form of mounting Nominal or quoted depth of the object. Nominal or quoted height of the object. Availer is used in a building services playing distribution system to coronio or modulate the flow of the fluid. Selection of the ports of a valve according to either the linear route taken by a fluid flowing through the valve or by the number of posts. The configuration of the ports of a valve according to either the linear route taken by a fluid flowing through the valve or by the number of posts.	IfCSanitaryTerminal				
Toilet Fan Type Toilet Tank Tank Capacity Tank Color Tank Height Flush Rate Flush Type Is Automatic Flush Is Single Flush Urinal Urinal Type Color Mounting Mominal Depth Aoninal Length Xoninal Length Xoninal Length Xoninal Color Valve Pattern Body Material Close Off Rating Close Off Rating Flow Coefficient	Text Number Text Number Number Number Text Logical Logical Text Text Text Text Text Text Text Text	Gallons Inch Gallons/Minute Inch Inch Inch Inch Inch Inch Inch Inc	Liters mm Liters per Minute in mm mm mm	Siphonic, Squat, WashDown, WashOut, User Defined White, Almond, User Defined Number Value or None Lever, Pull, Pauth, Sensor, User Defined True or False True or False True or False Bowl, Slab, Stall, Trough, Wall Mounted, User Defined Back/Nowall, Pedestal, Wallfung, User Defined Singleport, Angled, 2 Port, Straight, 2, Port, Straight, 3 Port, Crossover, 4, Port	A water storage unit attached to a sanitary terminal that is fitted with a device, operated automatically or by the user, that discharges water to cleanse a water close! (toilet) pain, urinal or slop hoppoer. Volumetric capacity of the tank. Color of the object. Enumeration that identifies the height of the tank or no tank. The minimum and maximum volume of water used at each flush. The types of flushing mechanism that may be specified for tanks and sanitary terminals. Value that determines if the tank is flushed automatically either after each use or periodically indicates whether the tank is single flush. Soil appliance that receives urine and directs it to a waste outlet. Identifies the predefined types of urinal from which the type required may be set. Color of the urinal. Selection of the form of mounting Nominal or quoted depth of the object. Nominal or quoted depth of the object. Nominal or quoted with of the object. The level at which water spills out of the object. Avales is used in a sluding services pingling distribution system to control or modulate the flow of the fluid. Identifies the predefined types of valve from which the type required may be set. Material from which the body of the valve is constructed. Close of flating.	IfCSanitaryTerminal				
Toilet Pan Type Toilet Tank Tank Calor Tank Color Tank Height Flush Rate Flush Rate Flush Type Is Automatic Flush Is Single Flush Urinal Urinal Urinal Type Color Mounting Nominal Depth Nominal Depth Nominal Length Nominal Width Spillover Level Valve Valve Pattern Body Material Close Off Rating Flow Coefficient Messured Flow Aute Messured Flow Aute Messured Flow Aute Messured Flow Coefficient Messured Flow Coefficient Messured Flow Aute	Text Number Text Number Number Text Logical Logical Text Text Text Text Text Text Number	Gallons Inch Gallons/Minute Inch Inch Inch Inch Inch Inch Inch Inc	Liters mm Liters per Minute in mm mm mm	Siphonic, Squat, WashDown, WashOut, User Defined White, Almond, User Defined Number Value or None Lever, Pull, Push, Sensor, User Defined True or False True or False Bowl, Slab, Stall, Trough, Wall Mounted, User Defined White, Almond, User Defined White, Almond, User Defined Singleport, Angled, 2 Port, Singleport, Angled, 2 Port, Sringlet, 2, Port, Straight, 3 _Port, Crossover_4, Port	A water storage unit attached to a sanitary terminal that is fitted with a device, operated automatically or by the user, that discharges water to cleanse a water closel (toilet) pain, urinal or slop hoppoer. Volumetric capacity of the tank. Color of the object. Trumeration that identifies the height of the tank or no tank. The minimum and maximum volume of water used at each flush. The types of flushing mechanism that may be specified for tanks. The types of flushing mechanism that may be specified for tanks and sanitary terminals. Value that determines if the tank is flushed automatically either after each use or periodically indicates whether the tank is night flush. Solia papliance that necesses urine and idirects it to a waste outlet. Identifies the predefined types of urinal from which the type required may be set. Color of the urinal. Selection of the form of mounting. Nominal or quoted eighth of the object. Nominal or quoted eighth of the object. Nominal or quoted wrighth of the object. Nominal or quoted wrighth of the object. Alvies is used in shoulding services playing distribution system to control or modulate the flow of the fluid. Journal or quoted woulding services playing distribution system to control or modulate the flow of the fluid. Journal or quoted with of the object. Alvies is used in shoulding services playing distribution system to control or modulate the flow of the fluid. Journal or quoted the ports of a valve according to either the linear route taken by a fluid flowing through the valve or by the number of ports. Material from which the body of the valve is constructed. Close off altige.	IfCSanitaryTerminal				
Toilet Fan Type Toilet Tank Tank Capacity Tank Color Tank Lapacity Tank Color Tank Height Flush Rate Flush Type Is Automatic Flush Is Single Flush Urinal Urinal Type Color Mounting Nominal Depth Nominal Length Nominal Width Spillower Level Valve Valve Type Valve Tyte Urinal Color Global Color Level Valve Urinal Color Level Valve Urinal Color Level Valve Type Valve Type Urina Type Urinal Color Col	Text Number Text Number Number Text Logical Logical Logical Text Text Number	Gallons Inch Gallons/Minute Inch Inch Inch Inch Inch Inch Inch Inc	Liters mm Liters per Minute in mm mm mm	Siphonic, Squat, WashDown, WashOut, User Defined White, Almond, User Defined Number Value or None Lever, Pull, Fluth, Sensor, User Defined True or False True or False Bowl, Slab, Stall, Trough, Wall Mounted, User Defined BackToWall, Pedestal, WallHung, User Defined Singleport, Angled, 2 Port, Sraight, 2, Port, Straight, 3 _Port, Crossover_4_Port	A water storage unit attached to a sanitary terminal that is fitted with a device, operated automatically or by the user, that discharges water to cleanse a water close! (toilet) pain, urinal or slop hopper. Volumetric capacity of the tank. Color of the object. Enumeration that identifies the height of the tank or no tank. The minimum and maximum volume of water used at each flush. The types of flushing mechanism that may be specified for tanks and sanitary terminals. Value that determines if the tank is flushed automatically either after each use or periodically indicates whether the tank is single flush. Soil appliance that receives urine and directs it to a waste outlet. Identifies the predefined types of urinal from which the type required may be set. Color of the urinal. Selection of the form of mounting. Norminal or quoted depth of the object. Norminal or quoted depth of the object. Norminal or support within a the object. The level a which water spills out of the object. Availe is used in a Walding services pingle distribution system to control or modulate the flow of the fluid. Identifies the predefined types of valve from which the type required may be set. Material from which the body of the valve according to either the linear route taken by a fluid flowing through the valve or by the number of ports. Material from which the body of the valve is constructed. Close off flow of a fluid measured across the valve.	IfCSanitaryTerminal				
Toilet Fan Type Toilet Tank Tank Calor Tank Color Tank Height Flush Rate Flush Type Is Automatic Flush Is Single Flush Urinal Urinal Urinal Type Color Mounting Nominal Depth Nominal Length Nominal Length Nominal Length Nominal Width Spillover Level Valve Valve Valve Pattern Body Material Close Off Rating Flow Coefficient Messured Flow ate M	Number Number Text Number Number Text Logical Logical Text Text Text Text Text Number	Gallons Inch Gallons/Minute Inch Inch Inch Inch Inch Inch Inch Inc	Uters per Minute Uters per Minute Transport man Transport man	Siphonic, Squat, WashDown, WashOut, User Defined White, Almond, User Defined Number Value or None Lever, Pull, Push, Sensor, User Defined True or False True or False Bowl, Slab, Stall, Trough, Wall Mounted, User Defined BackToWall, Pedestal, WallHung, User Defined Singleport, Angled 2 Port, Singleport, Angled 2 Port, Singleport, Angled 2 Port, Crossover_4, Port	A water storage unit attached to a sanitary terminal that is fitted with a device, operated automatically or by the user, that discharges water to cleanse a water closet (toilet) pain, urinal or slop hoppoer. Volumetric capacity of the tank. Color of the object. Enumeration that identifies the height of the tank or no tank. The minimum and maximum volume of water used at each flush. The types of flushing mechanism that may be specified for tank and sanitary terminals. Value that determines if the tank is flushed automatically either after each use or periodically indicates whether the tank is night flush. Solia palpiance that necesses urine and idirects it to a waste outet. dentifies the predefined types of urinal from which the type required may be set. Color of the urinal. Selection of the form of mounting. Nominal or quoted eight of the object. Nominal or quoted eight of the object. Nominal or quoted wrigh of the object. Nominal or avoid which water spills out of the object. A wise is used in skulling service pring distribution system to control or modulate the flow of the fluid. determines the predefined types of visive from which the type required may be set. The level a which water spills out of the object. A when is used in skulling service pring distribution system to control or modulate the flow of the fluid. determines the predefined types of visive from which the type required may be set. Material from which the body of the valve is constructed. Cose off along. Flow coefficient The rate of flow of a fluid measured across the valve. The actor the mount that the wade is open to the fluid pen position of the valve.	IfCSanitaryTerminal				
Toilet Fan Type Toilet Tank Tank Capacity Tank Color Tank Height Flush Rate Flush Type Is Automatic Flush Is Single Flush Urinal Urinal Type Color Mounting Nominal Depth Nominal Length Nominal Length Nominal Width Spillower Level Valve Valve Type Valve Type Valve Type Loca Off Bating Close Off Bating Close Off Bating Flow Coefficient Messured Flow Mate Messure	Text Number Text Number Text Logical Logical Logical Text Text Number	Gallons Inch Gallons/Minute Inch Inch Inch Inch Inch Inch Inch Inc	Liters mm Liters per Minute in mm mm mm	Siphonic, Squat, WashDown, WashOut, User Defined White, Almond, User Defined Number Value or None Lever, Pull, Puth, Sensor, User Defined True or False True or False Bowl, Slab, Stall, Trough, Wall Mounted, User Defined BackToWall, Pedestal, WallHung, User Defined Singleport, Angled, 2 Port, Straight, 2, Port, Straight, 3 Port, Crossover, 4, Port	A water storage unit attached to a sanitary terminal that is fitted with a device, operated automatically or by the user, that discharges water to cleanse a water close! (toilet) pain, urinal or slop hopper. Volumetric capacity of the tank. Color of the object. Enumeration that identifies the height of the tank or no tank. The minimum and maximum volume of water used at each flush. The types of flushing mechanism that may be specified for tanks and sanitary terminals. Value that determines if the tank is flushed automatically either after each use or periodically indicates whether the tank is single flush. Soil appliance that receives urine and directs it to a waste outlet. Identifies the predefined types of urinal from which the type required may be set. Color of the urinal. Selection of the form of mounting. Norminal or quoted depth of the object. Norminal or quoted depth of the object. Norminal or quoted depth of the object. The level a which water spills out of the object. The level a which water spills out of the object. Availe is used in a Walding services ping distribution system to control or modulate the flow of the fluid. Identifies the predefined types of valve from which the type required may be set. Material from which the body of the valve according to either the linear route taken by a fluid flowing through the valve or by the number of ports. Material from which the body of the valve is constructed. Close off flating. The task of flow of a fluid measured across the valve. The rate of flow of a fluid measured across the valve. The rate of flow of a fluid measured across the valve. The rate of the ord or fluid measured across the valve.	IfCSanitaryTerminal				
Toilet Fan Type Toilet Tank Tank Calor Tank Color Tank Height Flush Rate Flush Type Is Automatic Flush Is Single Flush Urinal Urinal Urinal Type Color Mounting Nominal Depth Nominal Length Nominal Length Nominal Length Valve Pattern Valve Pattern Body Material Close Off Rating Flow Coefficient Messured Fressure Drip Percentage Open Site Test Pressure	Number Number Text Number Number Text Logical Logical Text Text Text Text Text Number	Gallons Inch Gallons/Minute Inch Inch Inch Inch Inch Inch Inch Inc	Uters per Minute Uters per Minute Transport man Transport man	Siphonic, Squat, WashDown, WashOut, User Defined White, Almond, User Defined Number Value or None Lever, Pull, Push, Sensor, User Defined True or False True or False Bowl, Slab, Stall, Trough, Wall Mounted, User Defined White, Almond, User Defined SackToWall, Pedestal, WallHung, User Defined Singleport, Angled, 2 Port, Singleport, Angled, 2 Port, Singleport, Angled, 2 Port, Crossover_4, Port	A water storage unit attached to a sanitary terminal that is fitted with a device, operated automatically or by the user, that discharges water to cleanse a water closet (toilet) pain, urinal or slop hopper. Volumetric capacity of the tank. Color of the object. Enumeration that identifies the height of the tank or no tank. The minimum and maximum volume of water used at each flush. The types of flushing mechanism that may be specified for tanks and sanitary terminals. Value that determines if the tank is flushed automatically either after each use or periodically indicates whether the tank is night flush. Solid palpiance that necesses urine and idirects it to a waste outlet. Identifies the predefined types of urinal from which the type required may be set. Color of the urinal. Selection of the form of mounting. Nominal or quoted length of the object. A water sus fail as valuting service plang distribution system to control or modulate the flow of the fluid. Selection of the predefined types of valve from which the type required may be set. The level a which water spills out of the object. Nominal or quoted height of the object. Nominal or opoted by the object of the object object of the obje	IfCSanitaryTerminal				
Toilet Fan Type Toilet Tank Tank Capacity Tank Color Tank Height Flush Rate Flush Type Is Automatic Flush Is Single Flush Urinal Urinal Type Color Mounting Nominal Depth Nominal Length Nominal Length Nominal Width Spillower Level Valve Valve Type Valve Type Valve Type Loca Off Bating Close Off Bating Close Off Bating Flow Coefficient Messured Flow Mate Messure	Text Number Text Number Text Logical Logical Logical Text Text Number	Gallons Inch Gallons/Minute Inch Inch Inch Inch Inch Inch Inch Inc	Uters per Minute Uters per Minute Transport man Transport man	Siphonic, Squat, WashDown, WashOut, User Defined White, Almond, User Defined Number Vilaleu in None Lever, Pull, Puth, Sensor, User Defined True or False True or False True or False Bowl, Siab, Stall, Trough, Wall Mounted, User Defined BackToWall, Pedestal, WallHung, User Defined Singleport, Angled, 2 Port, Straight, 2, Port, Straight, 3 Port, Crossover, 4, Port	A water storage unit attached to a sanitary terminal that is fitted with a device, operated automatically or by the user, that discharges water to cleanse a water close! (toilet) pain, urinal or slop hopper. Volumetric capacity of the tank. Color of the object. Enumeration that identifies the height of the tank or no tank. The minimum and maximum volume of water used at each flush. The types of flushing mechanism that may be specified for tanks and sanitary terminals. Value that determines if the tank is flushed automatically either after each use or periodically indicates whether the tank is single flush. Soil appliance that receives urine and directs it to a waste outlet. Identifies the predefined types of urinal from which the type required may be set. Color of the urinal. Selection of the form of mounting. Norminal or quoted depth of the object. Norminal or quoted depth of the object. Norminal or quoted depth of the object. The level a which water spills out of the object. The level a which water spills out of the object. Availe is used in a Walding services ping distribution system to control or modulate the flow of the fluid. Identifies the predefined types of valve from which the type required may be set. Material from which the body of the valve according to either the linear route taken by a fluid flowing through the valve or by the number of ports. Material from which the body of the valve is constructed. Close off flating. The task of flow of a fluid measured across the valve. The rate of flow of a fluid measured across the valve. The rate of flow of a fluid measured across the valve. The rate of the ord or fluid measured across the valve.	IfCSanitaryTerminal				

Working Pressure	Number	PSI			The normally expected maximum working pressure of the valve.						
Air Vent					Valve used to release air from a pipe or fitting.						
Is Automatic	Logical			True or False	Indication of whether the valve is automatically operated						
Faucet					A small diameter valve, with a free outlet, from which water is drawn.						
Faucet Function	Text				Defines the operating temperature of a faucet that may be specified.						
Faucet Operation	Text			CeramicDisc, LeverHandle,	Defines the range of ways in which a faucet can be operated that may be specified						
				NonConcussiveSelfClosing,							
Faucet Top Description	Text				Description of the operating mechanism/top of the faucet.						
Faucet Type	Text				Defines the range of faucet types that may be specified						
				Flow Combination. Pillar.							
Finish	Text			Chrome, Bronze, User Defined	Description of the finish applied to the faucet.						
Flush Valve					Valve that flushes a predetermined quantity of water to cleanse a WC, urinal or slop hopper.						
The same of the sa	Number				Note that a flushing valve is constrained to have a 2 port pattern. The predetermined quantity of water to be flushed.					+	
Flushing Rate	Number	Gallons/Minute	Liters per Minute		The predetermined quantity of water to be nusned.						
Has Integral Shut Off Device	Logical			True or False	Indication of whether the flushing valve has an integral shut off device fitted				_		
Is High Pressure	Logical			True or False	Indication of whether the flushing valve has an integral shot of device fixed						
Gas Tap Valve	Logical				A small diameter valve, used to discharge gas from a system.					+	
Has Hose Union	Logical				Indicates whether the gas tap is fitted with a hose union connection				_		
Hose Bib	Logical			Tide of Faise	A small diameter valve, used to drain water from a tank or water filled system.				_		
Has Hose Union	Logical			True or False	Indicates whether the drawoff cock is fitted with a hose union connection				_		
Isolation Valve	Logical				Valve that is used to isolate system components.				_		
Is Normally Open	Logical							1	+	++-	
Is Normally Open Isolating Purpose	Text		1	True or False	If TRUE, the valve is normally open. If FALSE is normally closed. Defines the purpose for which the isolating valve is used since the way in which the valve is identified as an isolating valve.			1	+	++-	
- Jonating rui pose	TEAL			1	may be in the context of its use.						1 1
Mixing Valve					A valve where typically the temperature of the outlet is determined by mixing hot and cold water inlet flows.				+	++-	
Mixer Control	Text				Defines the form of control of the mixing valve.				+	+	1
Outlet Connection Size	Number	Inch	mm		The size of the pipework connection from the mixing valve.				+	+-+-	
Pressure Reducing Valve	Text	mon	- "		Valve that reduces the pressure of a fluid immediately downstream of its position in a pipeline to a preselected value or by a				+	+	
Downstream Pressure	Number								+	+	+
Upstream Pressure Upstream Pressure	Number Number	psi	1	 	The operating pressure of the fluid downstream of the pressure reducing valve. The operating pressure of the fluid upstream of the pressure reducing valve.				+	+	
	Number	psi	-						+	++-	1
Pressure Relief Valve	Text				Spring or weight loaded valve that automatically discharges to a safe place fluid that has built up to excessive pressure in nines or fittings						
Relief Pressure	Number	psi			The pressure at which the spring or weight in the valve is set to discharge fluid.			1		+ + -	
Vibration Isolator		p.s.			A vibration isolator is a device used to minimize the effects of vibration transmissibility in a building	IfcVibrationIsolator					
Height	Number	Inch	mm		Height of the vibration isolator before the application of load.						
Isolator Compressibility	Text				The compressibility of the vibration isolator.						
Isolator Static Deflection	Number	Inch	mm		Static deflection of the vibration isolator.						
Maximum Supported Weight	Number	Lbs/Kgs			The maximum weight that can be carried by the vibration isolator.						
Vibration Transmissibility	Number	%			The vibration transmissibility percentage.					1 1	
Wash Basin or Lavatory					Waste water appliance for washing the upper parts of the body.	IfcSanitaryTerminal					
Wash Hand Rasin Tyne	Toyt			DentalCuspidor HandRinse	Identifies the predefined types of wash basin or lavatory from which the type required may be set	nedantal y termina					
Wash Hand Basin Type	Text			DentalCuspidor, HandRinse, Hospital, Tipup, Vanity, Washfountain, WashingTrough, User Defined	identifies the predefined types of wash basin or lavatory from which the type required may be set.	Teaderster Yestiman					
Wash Hand Basin Type Color	Text			DentalCuspidor, HandRinse, Hospital, Tipup, Vanity, Washfountain, WashingTrough, User Defined White, Almond, User Defined	Identifies the predefined types of wash basin or liavatory from which the type required may be set. Color of the object.	TOWNS Y CHINA					
Wash Hand Basin Type Color Drain Size	Text Number	Inch	mm	DentalCuspidor, HandRinse, Hospital, Tipup, Vanity, Washfountain, WashingTrough, User Defined White, Almond, User Defined	Identifies the predefined types of wash basin or lavatory from which the type required may be set. Color of the object. The size of the drain outlet connection from the object.	(Contral) (Contral)					
Wash Hand Basin Type Color	Text	Inch	mm	DentalCuspidor, HandRinse, Hospital, Tipup, Vanity, Washfountain, WashingTrough, User Defined White, Almond, User Defined	Identifies the predefined types of wash basin or liavatory from which the type required may be set. Color of the object.	Tourney (Times					
Wash Hand Basin Type Color Color Drain Size Mounting Mounting Offset	Text Number Text Number	Inch	mm	DentalCuspidor, HandRinse, Hospital, Tipup, Vanity, Washfountain, WashingTrough, User Defined White, Almond, User Defined BackToWall, Pedestal, CounterTop, WallHung, User Defined	Identifies the predefined types of wash basin or lavatory from which the type required may be set. Color of the object. The size of the drain oudet connection from the object. Selection of the form of mounting For counter top mounted basins the vertical offset between the top of the sink and the counter top.	Tourna y chima					
Wash Hand Basin Type Color Crain Size Mounting Mounting Offset Nominal Depth	Text Number Text Number Number Number	Inch Inch	mm mm	DentalCuspidor, Handfinse, Hospital, Tupu, Yanity, Washfountain, WashingTrough, User Defined White, Almond, User Defined BackToWall, Pedestal, CounterTop, Wallhung, User Defined	Identifies the predefined types of wash basin or lavatory from which the type required may be set. Color of the object. The size of the drain outlet connection from the object. Selection of the form of mounting For counter top mounted basins the vertical offset between the top of the sink and the counter top. Nominal or quoted depth of the object.	Tourne y comme					
Wash Hand Basin Type Color Drain Size Mounting Mounting Offset Nominal Depth Nominal Length	Text Number Text Number Number Number	Inch Inch	mm mm mm	DentalCuspidor, Handfinse, Hospital, Tupu, Yanity, Washfountain, WashingTrough, User Defined White, Almond, User Defined BackToWall, Pedestal, CounterTop, Wallhung, User Defined	Identifies the predefined types of wash basin or lavatory from which the type required may be set. Color of the object. The size of the drain oudlet connection from the object. Selection of the form of mounting For counter top mounted basins the vertical offset between the top of the sink and the counter top. Nominal or quoted depth of the object.	Tourna y chima					
Wash Hand Basin Type Color Drain Size Mounting Mounting Offset Nominal Leigth Nominal Length Nominal Width	Text Number Text Number Number Number	Inch Inch	mm mm	DentalCuspidor, Handlinse, Hospital, Typu, Vanity, Washfountain, WashingTrough, User Defined White, Almond, User Defined BackToWall, Pedestal, CounterTop, Wallitung, User Defined	Identifies the predefined types of wash basin or lavatory from which the type required may be set. Color of the object. The size of the drain outlet connection from the object. Selection of the form of mounting For counter for mounting For counter from the basins the vertical offset between the top of the sink and the counter top. Nominal or quoted depth of the object. Nominal or quoted keepth of the object.						
Wash Hand Basin Type Color Drain Size Mounting Mounting Offset Nominal Depth Nominal Length Nominal Width Waste Floor Trap	Text Number Text Number Number Number Number	Inch Inch	mm mm mm	DentalCuspidor, Handlinse, Hospital, Typu, Vanity, Washfountain, WashingTrough, User Defined White, Almond, User Defined BackToWall, Pedestal, CounterTop, Wallitung, User Defined	Identifies the predefined types of wash basin or lavatory from which the type required may be set. Color of the object. The size of the drain outlet connection from the object. Selection of the form of mounting For counter top mounted basins the vertical offset between the top of the sink and the counter top. Nominal or quoted depth of the object. Nominal or quoted width of the object. Nominal or quoted width of the object. Nominal or quoted width of the object.	IfcWasteTerminal					
Wash Hand Basin Type Color Drain Size Mounting Mounting Offset Nominal Depth Nominal Length Nominal Width Waste Roor Trap Trap Type	Text Number Text Number Number Number Number Text	Inch Inch Inch Inch	mm mm mm	DentalCuspidor, Handlinse, Hospital, Typu, Vanity, Washfountain, WashingTrough, User Defined White, Almond, User Defined BackToWall, Pedestal, CounterTop, Wallitung, User Defined	Identifies the predefined types of wash basin or lavatory from which the type required may be set. Color of the object. The size of the drain oudet connection from the object. Selection of the form of mounting For counter top mounted basins the vertical offset between the top of the sink and the counter top. Nominal or outed depth of the object. Nominal or outed depth of the object. Nominal or outed width of the object. Nominal or outed the floor that retrain liquid to prevent the passage of foul air. Identifies the the floor that retrain liquid to prevent the passage of foul air.						
Wash Hand Basin Type Color Drain Size Mounting Mounting Offset Nominal Depth Nominal Length Nominal Width Waste Floor Trap	Text Number Text Number Number Number Number	Inch Inch	mm mm mm	DentalCuspidor, Handlinse, Hospital, Typu, Vanity, Washfountain, WashingTrough, User Defined White, Almond, User Defined BackToWall, Pedestal, CounterTop, Wallitung, User Defined	Color of the object. The size of the drain outlet connection from the object. Selection of the object with the form of mounting for the size of the drain outlet connection from the object. Selection of the form of mounting for counter top outlet for for the size of the drain outlet connection from the object. For counter top mounted basins the vertical offset between the top of the sink and the counter top. Naminal or quoted depth of the object. Naminal or quoted keepin of the object. Nominal or quoted with of the object. Pipe fitting, set into the floor, that retains liquid to prevent the passage of foul air. Indentifies the predefined types of waste trap used in combination with the floor trap from which the type required may be set. The length measured along the *axis in the local coordinate system or the radius (in the case of a circular shape in plan) of						
Wash Hand Basin Type Color Color Drain Size Mounting Mounting Offset Nominal Depth Nominal Length Nominal Length Nominal Width Waste Floor Tap Trap Type Cover Length	Number Number Number Number Number Number Number	Inch Inch Inch Inch	mm mm mm mm	Dentalizupidor, Handlinse, Hospital, Tipuy, Vanity, Washfountain, Washforough, User Defined White, Almond, User Defined BackToWall, Pedestal, CounterTop, Wallhung, User Defined	Identifies the predefined types of wash basin or lavatory from which the type required may be set. Color of the object. The size of the drain outlet connection from the object. Selection of the form of mounting For counter top mounted basins the vertical offset between the top of the sink and the counter top. Nominal or pounded depth of the object. Nominal or pounded septh of the object. Nominal or pounded septh of the object. Nominal or pounded width of the object. Nominal or pounded width of the object. The feet the predefined types of waste trap used in combination with the floor trap from which the type required may be set. The length measured along the *axis in the local coordinate system or the radius (in the case of a circular shape in plan) of the cover						
Wash Hand Basin Type Color Drain Size Mounting Mounting Mounting Offset Nominal Length Nominal Length Nominal Width Waste Floor Trap Trap Type Cover Length Cover Width	Text Number Text Number Number Number Number Text Number Text Number	Inch Inch Inch Inch	mm mm mm	Dentalizupidor, Handlinse, Hospital, Tipuy, Vanity, Washfountain, Washingtrough, User Defined White, Almond, User Defined BackToWall, Pedestal, CounterTop, Wallitung, User Defined	Color of the object. The size of the drain outlet connection from the object. Selection of the object with the form of mounting from the object. For counter top mounted basins the vertical offset between the top of the sink and the counter top. Normal or quoted depth of the object. Normal or quoted depth of the object. Normal or quoted with of the object. Normal or quoted with of the object. Normal or pushed with of the object. The size of the drain outled the properties of the object of the size of the size of the object. The first of the object object of the						
Wash Hand Basin Type Color Color Drain Size Mounting Mounting Offset Nominal Depth Nominal Length Nominal Length Nominal Width Waste Floor Tap Trap Type Cover Length	Number Number Number Number Number Number Number	Inch Inch Inch Inch	mm mm mm mm	Dentalizupidor, Handlinse, Hospital, Tipuy, Vanity, Washfountain, Washingtrough, User Defined White, Almond, User Defined BackToWall, Pedestal, CounterTop, Wallitung, User Defined	Identifies the predefined types of wash basin or lavatory from which the type required may be set. Color of the object. The size of the drain outlet connection from the object. Selection of the form of mounting For counter top mounted basins the vertical offset between the top of the sink and the counter top. Nominal or pounded depth of the object. Nominal or pounded septh of the object. Nominal or pounded septh of the object. Nominal or pounded width of the object. Nominal or pounded width of the object. The feet the predefined types of waste trap used in combination with the floor trap from which the type required may be set. The length measured along the *axis in the local coordinate system or the radius (in the case of a circular shape in plan) of the cover						
Wash Hand Basin Type Color Drain Size Mounting Mounting Mounting Offset Nominal Length Nominal Length Nominal Width Waste Floor Trap Trap Type Cover Length Cover Width	Text Number Text Number Number Number Number Number Number Number Text Number	Inch Inch Inch Inch	mm mm mm mm	Dentalizupidor, Handlinse, Hospital, Tipuy, Vanity, Washfountain, Washingtrough, User Defined White, Almond, User Defined BackToWall, Pedestal, CounterTop, Wallitung, User Defined	Color of the object. The size of the drain outlet connection from the object. Selection of the object with the form of mounting from the object. For counter top mounted basins the vertical offset between the top of the sink and the counter top. Normal or quoted depth of the object. Normal or quoted depth of the object. Normal or quoted with of the object. Normal or quoted with of the object. Normal or pushed with of the object. The size of the drain outled the properties of the object of the size of the size of the object. The first of the object object of the						
Wash Hand Basin Type Color Color Drain Size Mounting Mounting Offset Nominal Depth Nominal Length Nominal Length Nominal Width Waste Floor Tap Trap Type Cover Length Cover Width Cover Width Has Strainer	Text Number Text Number Number Number Number Number Text Number Logical	Inch Inch Inch Inch	mm mm mm mm	Dentalizuspidor, Handlinse, Hospital, Tipuc, Manify, Washfountain, Washfountain, Washfountain, Washfountain, User Defined BackToWall, Pedestal, CounterOp, Wallhing, User Defined 55, Aluminum, User Defined True or False	Identifies the predefined types of wash basin or lavatory from which the type required may be set. Color of the object. The size of the drain outlet connection from the object. Selection of the form of mounting For counter top mounted basins the vertical offset between the top of the sink and the counter top. Naminal or quoted septh of the object. Naminal or quoted septh of the object. Naminal or quoted septh of the object. Naminal or quoted width of the object. Naminal or quoted width of the object. Naminal or quoted width of the object. The length with the floor, that retains liquid to prevent the passage of foul air. Identifies the prodefined types of waste trap used in combination with the floor trap from which the type required may be set. The length measured along the x-axis in the local coordinate system or the radius (in the case of a circular shape in plan) of the cover. The length measured along the x-axis in the local coordinate system or the radius (in the case of a circular shape in plan) of the cover. The length measured along the x-axis in the local coordinate system of the cover of the trap. Material from whether the trap has a strain constructed.						
Wash Hand Basin Type Color Drain Size Mounting Mounting Offset Nominal Depth Nominal Length Nominal Width Waste Floor Trap Trap Type Cover Length Cover Material	Text Number Text Number Number Number Number Number Number Number Text Number	inch Inch Inch Inch	mm mm mm mm	Dentalizuspidor, Handlinse, Hospital, Tipuy, Maniby, Washfountain, Washfountain, Washfountain, Washfountain, Washfountain, Washfountain, Washfountain, Washfountain, User Defined BackToWall, Pedestal, CounterTop, Wallitung, User Defined S.S. Aluminum, User Defined True of False	Color of the object. The size of the drain outlet connection from the object. Selection of the object with the form of mounting selection of the size of the drain outlet connection from the object. For counter top mounted basins the vertical offset between the top of the sink and the counter top. Neominal or quoted depth of the object. Nominal or quoted keepin of the object. Nominal or quoted with of the object. Nominal or quoted with of the object. Pipe fitting, set into the floor, that retains liquid to prevent the passage of foul air. In the object of the obje						
Wash Hand Basin Type Color Color Drain Size Mounting Mounting Offset Nominal Depth Nominal Length Nominal Width Waste Floor Trap Trap Type Cover Length Cover Width Cover Width Cover Width Cover Material Has Strainer Iniet Connection Size Iniet Pattern Type	Text Number Text Number Number Number Number Text Number Text Number Text Number Number Number Number Number Number	inch Inch Inch Inch	mm mm mm mm	Dentalizuspidor, Handlinise, Hospital, Tipuy, Narily, Washfountain, Washingrough, User Defined White, Almond, User Defined BackToWall, Pedestal, CounterTop, Defined SS, Aluminum, User Defined True or False True or False 0.1.2.3 or k inlet connections old arrangement may vary.	Identifies the predefined types of wash basin or lavatory from which the type required may be set. Color of the object. The size of the drain outlet connection from the object. Selection of the form of mounting For counter top mounted basins the vertical offset between the top of the sink and the counter top. Roomand or quoted depth of the object. Roomand or quoted width of the object. The length measured along the *axis in the local coordinate system or the radius (in the case of a circular shape in plan) of the cover. The length measured along the *axis in the local coordinate system or the radius (in the case of a circular shape in plan) of the cover. The length measured along the *paids in the local coordinate system of the cover of the trap. Makerali from which the cover or garding is constructed. Indicates whether the trap has a strainer Size of the intels connection(s) Identifies the pattern of inlet connections to a trap						
Wash Hand Basin Type Color Color Drain Size Mounting Mounting Offset Neminal Depth Neminal Length Neminal Length Neminal Length Neminal Width Waste Floor Trap Trap Type Cover Length Cover Waterlal Has Strainer Inlet Connection Size Inlet Pattern Type Its For Grey Water	Text Number Text Number Number Number Number Number Number Text Number Text Logical Number Text Logical Number	Inch Inch Inch Inch Inch Inch Inch Inch	mm mm mm mm mm	Dentalizuspidor, Handlinise, Hospital, Tipuy, Narily, Washfountain, Washingrough, User Defined White, Almond, User Defined BackToWall, Pedestal, CounterTop, Defined SS, Aluminum, User Defined True or False True or False 0.1.2.3 or k inlet connections old arrangement may vary.	Identifies the predefined types of wash basin or lavatory from which the type required may be set. Color of the object. The size of the drain outlet connection from the object. Selection of the form of mounting For counter top mounted basins the vertical offset between the top of the sink and the counter top. Naminal or pushed depth of the object. Naminal or pushed depth of the object. Naminal or pushed septh of the object. Naminal or pushed width of the object. Naminal or pushed width of the object. Naminal or pushed width of the object. The feet time, set into the floor, that retains liquid to prevent the passage of foul air. Identifies the predefined types of waste trap used in combination with the floor trap from which the type required may be set. The length measured along the x-axis in the local coordinate system or the radius (in the case of a circular shape in plan) of the cover. The length measured along the x-axis in the local coordinate system of the cover of the trap. Material from which the cover or grating is constructed. Indicates whether the top has a strainer. Size of the inlet connection(s) Indicates if the purpose of the floor trap is to receive grey water						
Wash Hand Basin Type Color Color Drain Size Mounting Mounting Offset Nominal Depth Nominal Length Nominal Width Waste Floor Trap Trap Type Cover Length Cover Width Cover Width Cover Width Cover Material Has Strainer Iniet Connection Size Iniet Pattern Type	Text Number Text Number Number Number Number Text Number Text Number Text Number Text Number Text Logical Number Text	inch Inch Inch Inch	mm mm mm mm	Dentalizuspidor, Handlinise, Hospital, Tipuy, Narily, Washfountain, Washingrough, User Defined White, Almond, User Defined BackToWall, Pedestal, CounterTop, Defined SS, Aluminum, User Defined True or False True or False 0.1.2.3 or k inlet connections old arrangement may vary.	Identifies the predefined types of wash basin or lavatory from which the type required may be set. Color of the object. The size of the drain outlet connection from the object. Selection of the form of mounting For counter top mounted basins the vertical offset between the top of the sink and the counter top. Roomand or quoted depth of the object. Roomand or quoted width of the object. The length measured along the *axis in the local coordinate system or the radius (in the case of a circular shape in plan) of the cover. The length measured along the *axis in the local coordinate system or the radius (in the case of a circular shape in plan) of the cover. The length measured along the *paids in the local coordinate system of the cover of the trap. Makerali from which the cover or garding is constructed. Indicates whether the trap has a strainer Size of the intels connection(s) Identifies the pattern of inlet connections to a trap						
Wash Hand Basin Type Color Crain Size Mounting Mounting Offset Nominal Depth Nominal Width Nominal Width Waster Floor Trap Trap Type Cover Length Cover Midth Cover Material Has Strainer Iniet Connection Size Iniet Pattern Type Is For Grey Water Nominal Body Depth	Text Number Text Number Number Number Number Number Number Number Logical Number Logical Number	Inch Inch Inch Inch Inch Inch Inch Inch	mm mm mm mm mm	Dentalizuspidor, Handlinise, Hospital, Tipuy, Narily, Washfountain, Washingrough, User Defined White, Almond, User Defined BackToWall, Pedestal, CounterTop, Defined SS, Aluminum, User Defined True or False True or False 0.1.2.3 or k inlet connections old arrangement may vary.	Identifies the predefined types of wash basin or lavatory from which the type required may be set. Color of the object. The size of the drain outlet connection from the object. Selection of the form of mounting For counter top mounted basins the vertical offset between the top of the sink and the counter top. Naminal or quoted length of the object. Naminal or quoted length of the object. Naminal or quoted length of the object. Naminal or quoted with of the object. Page fitting, set into the floor, that retains liquid to prevent the passage of foul air. Identifies the prefeline types of waste trap used in combination with the floor trap from which the type required may be destrible the prefeline types of waste trap used in combination with the floor trap from which the type required may be called the cover. The length measured along the x-axis in the local coordinate system or the radius (in the case of a circular shape in plan) of the cover. The length measured along the y-axis in the local coordinate system of the cover of the trap. Material from which the cover or grating is constructed. Indicates whether the trap has a strainer. Size of the inlet connection(s) Identifies the pattern of inlet connections to a trap Indicates if the purpose of the floor trap is to receive grey water. Nominal or quoted length measured along the z-axis in the local coordinate system of the chamber of the trap.						
Wash Hand Basin Type Color Color Drain Size Mounting Mounting Offset Neminal Depth Neminal Length Neminal Length Neminal Length Neminal Width Waste Floor Trap Trap Type Cover Length Cover Waterlal Has Strainer Inlet Connection Size Inlet Pattern Type Its For Grey Water	Text Number Text Number Number Number Number Number Number Text Number Text Logical Number Text Logical Number	Inch Inch Inch Inch Inch Inch Inch Inch	mm mm mm mm mm	Dentalizuspidor, Handlinise, Hospital, Tipuy, Narily, Washfountain, Washingrough, User Defined White, Almond, User Defined BackToWall, Pedestal, CounterTop, Defined SS, Aluminum, User Defined True or False True or False 0.1.2.3 or k inlet connections old arrangement may vary.	Identifies the predefined types of wash basin or lavatory from which the type required may be set. Color of the object. The size of the drain outlet connection from the object. Selection of the form of mounting For counter top mounted basins the vertical offset between the top of the sink and the counter top. Nominal or quoted depth of the object. Nominal or quoted depth of the object. Nominal or quoted width of the object. Nominal or quoted width of the object. Nominal or quoted width of the object. Nominal or puoted the floor, that retains liquid to prevent the passage of foul air. Identifies the predefined types of waste trap used in combination with the floor trap from which the type required may be set. The length measured along the *axis in the local coordinate system or the radius (in the case of a circular shape in plan) of the cover. The length measured along the *pais in the local coordinate system of the cover of the trap. Material from which the cover or garding is constructed. Indicates whether the trap has a strainer. Size of the index connection(s) Identifies the pattern of inlet connections to a trap Indicates if the purpose of the floor trap is to receive grey water Nominal or quoted length measured along the *axis in the local coordinate system of the chamber of the trap. Nominal or quoted length measured along the *axis in the local coordinate system or the radius (in the case of a circular						
Wash Hand Basin Type Color Crain Size Mounting Mounting Offset Nominal Cepth Nominal Width Nominal Width Waster Floor Trap Trap Type Cover Length Cover Midth Cover Material Has Strainer Iniet Connection Size Iniet Pattern Type Is For Grey Water Nominal Body Length Nominal Body Length	Text Number Text Number Number Number Number Number Number Number Number Text Number Text Logical Number Number	inch inch inch inch inch inch inch inch	mm mm mm mm mm	Dentalizuspidor, Handlinise, Hospital, Tipuy, Narily, Washfountain, Washingrough, User Defined White, Almond, User Defined BackToWall, Pedestal, CounterTop, Defined SS, Aluminum, User Defined True or False True or False 0.1.2.3 or k inlet connections old arrangement may vary.	Identifies the predefined types of wash basin or lavatory from which the type required may be set. Color of the object. The size of the drain outlet connection from the object. Section of the form of mounting For counter top mounted basins the vertical offset between the top of the sink and the counter top. Norminal or quoted length of the object. Norminal or quoted length of the object. Norminal or quoted length of the object. Norminal or quoted with of the object. Norminal or put of the object is the object of the object object of the object of the object of the object object of the object object of the object obj						
Wash Hand Basin Type Color Crain Size Mounting Mounting Offset Nominal Depth Nominal Width Nominal Width Waster Floor Trap Trap Type Cover Length Cover Midth Cover Material Has Strainer Iniet Connection Size Iniet Pattern Type Is For Grey Water Nominal Body Depth	Text Number Text Number Number Number Number Number Number Number Logical Number Logical Number	Inch Inch Inch Inch Inch Inch Inch Inch	mm mm mm mm mm	Dentalizuspidor, Handlinise, Hospital, Tipuy, Narily, Washfountain, Washingrough, User Defined White, Almond, User Defined BackToWall, Pedestal, CounterTop, Defined SS, Aluminum, User Defined True or False True or False 0.1.2.3 or k inlet connections old arrangement may vary.	Identifies the predefined types of wash basin or lavatory from which the type required may be set. Color of the object. The size of the drain outlet connection from the object. Selection of the form of mounting For counter top mounted basins the vertical offset between the top of the sink and the counter top. Nominal or quoted depth of the object. Nominal or quoted depth of the object. Nominal or quoted width of the object. Nominal or quoted width of the object. Nominal or quoted width of the object. Nominal or puoted the floor, that retains liquid to prevent the passage of foul air. Identifies the predefined types of waste trap used in combination with the floor trap from which the type required may be set. The length measured along the *axis in the local coordinate system or the radius (in the case of a circular shape in plan) of the cover. The length measured along the *pais in the local coordinate system of the cover of the trap. Material from which the cover or garding is constructed. Indicates whether the trap has a strainer. Size of the index connection(s) Identifies the pattern of inlet connections to a trap Indicates if the purpose of the floor trap is to receive grey water Nominal or quoted length measured along the *axis in the local coordinate system of the chamber of the trap. Nominal or quoted length measured along the *axis in the local coordinate system or the radius (in the case of a circular						
Wash Hand Basin Type Color Crain Size Mounting Mounting Offset Nominal Cepth Nominal Length Nominal Width Waster Floor Trap Trap Type Cover Length Cover Midth Cover Midth Cover Midth Cover Midth Tran Type Iniet Connection Size Iniet Pattern Type Is For Grey Water Nominal Body Length Nominal Body Length Nominal Body Length	Text Number Text Number	inch inch inch inch inch inch inch inch	mm	Dentalizuspidor, Handlinise, Hospital, Tipuy, Narily, Washfountain, Washingrough, User Defined White, Almond, User Defined BackToWall, Pedestal, CounterTop, Defined SS, Aluminum, User Defined True or False True or False 0.1.2.3 or k inlet connections old arrangement may vary.	Identifies the predefined types of wash basin or lavatory from which the type required may be set. Color of the object. The size of the drain outlet connection from the object. Section of the form of mounting For counter top mounted basins the vertical offset between the top of the sink and the counter top. Normal or quoted kepth of the object. Normal or quoted kepth of the object. Normal or quoted with of the object. Normal or pusted with of the object. Normal or counter top mounted with of the object. Normal or counter top mounted with of the object. Normal or counter top mounted with of the object. Normal or counter top mounted with of the object. Normal or outled length measured along the x-axis in the local coordinate system of the chamber of the trap. Normal or outled length measured along the x-axis in the local coordinate system of the chamber of the trap. Normal or outled length measured along the x-axis in the local coordinate system of the chamber of the trap. Normal or outled length measured along the x-axis in the local coordinate system of the chamber of the trap. Normal or outled length measured along the y-axis in the local coordinate system of the chamber of the trap. Normal or outled length measured along the y-axis in the local coordinate system of the chamber of the trap.						
Wash Hand Basin Type Color Drain Size Mounting Mounting Offset Nominal Depth Nominal Length Nominal Width Waste Roor Trap Trap Type Cover Length Cover Width Cover Width Cover Width Has Strainer Intel Connection Size Intel Patter Type Is for Grey Water Nominal Body Length Nominal Body Width Outlet Connection Size	Text Number Text Number Number Number Number Number Text Logical Number Text Logical Number Text Logical Number Number Number Number Number Number	inch inch inch inch inch inch inch inch	mm mm mm mm mm mm mm	Dentalizuspidor, Handlinise, Hospital, Tipuy, Narily, Washfountain, Washingrough, User Defined White, Almond, User Defined BackToWall, Pedestal, CounterTop, Defined SS, Aluminum, User Defined True or False True or False 0.1.2.3 or k inlet connections old arrangement may vary.	Identifies the predefined types of wash basin or lavatory from which the type required may be set. Color of the object. The size of the drain outlet connection from the object. Selection of the form of mounting For counter top mounted basins the vertical offset between the top of the sink and the counter top. Nominal or quoted depth of the object. Nominal or quoted depth of the object. Nominal or quoted width of the object. Nominal or quoted width of the object. Nominal or quoted width of the object. Nominal or puoted width of the object. The length measured along the *axis in the local coordinate system or the radius (in the case of a circular shape in plan) of the cover. The length measured along the *axis in the local coordinate system of the cover of the trap. Material from which the cover or grating is constructed. Indicates whether the trap has a strainer. Sale of the inlet connection() Indicates whether the trap has a strainer. Sale of the inlet connection() Indicates whether the trap has a prainer of the cover of the cover of the trap. Material from which the cover or grating is constructed. Indicates whether the trap has a strainer. Sale of the inlet connection() Indicates whether the trap has a prainer of the cover of the cover of the trap. Norminal or quoted kength measured along the *a vais in the local coordinate system of the chamber of the trap. Norminal or quoted kength measured along the *a vais in the local coordinate system of the chamber of the trap. Sine of the outset connection from the object.						
Wash Hand Basin Type Color Crain Size Mounting Mounting Mounting Offset Noninal Cepth Noninal Length Noninal Width Waster Floor Trap Trap Type Cover Length Cover Midth Cover Midth Cover Material Has Strainer Iniet Connection Size Iniet Pattern Type Is For Grey Water Noninal Body Depth Noninal Body Length Noninal Body Length Noninal Body Length Noninal Body Length Noninal Body United Connection Size Spillover Level	Text Number Text Number	inch inch inch inch inch inch inch inch	mm	Dentalizuspidor, Handlinse, Hospital, Tipuy, Manly, Washfountain, Washfo	Identifies the predefined types of wash basin or lavatory from which the type required may be set. Color of the object. The size of the drain outlet connection from the object. Selection of the form of mounting For counter top mounted basins the vertical offset between the top of the sink and the counter top. Normal or quoted length of the object. Normal or quoted with of the object. Normal or quoted with of the object. Page fitting, set into the floor, into it retains liquid to prevent the passage of foul air. Identifies the predefined type of what the quoted in combination with the floor trap from which the type required may be set. The length measured along the x-axis in the local coordinate system or the radius (in the case of a circular shape in plan) of the cover. Material from which the cover or grating is constructed. Includes whether the trap has a strater. Size of the inlet connection(s) Identifies the pattern of inlet connections to a trap Includes the pattern of inlet connections to a trap Includes the pattern of inlet connections to a trap Includes the pattern of inlet connections to a trap Includes the connection of the floor trap is to receive grey water Normal or quoted length measured along the x-axis in the local coordinate system of the chamber of the trap. Normal or quoted length measured along the x-axis in the local coordinate system or the radius (in the case of a circular shape in plan) of the chamber of the trap. Normal or quoted length measured along the x-axis in the local coordinate system of the chamber of the trap. Normal or quoted length measured along the x-axis in the local coordinate system of the chamber of the trap. Normal or quoted length measured along the x-axis in the local coordinate system of the chamber of the trap.	ricwasteTerminal					
Wash Hand Basin Type Color Drain Size Mounting Mounting Offset Nominal Depth Nominal Length Nominal Width Waste Roor Trap Trap Type Cover Length Cover Width Cover Width Cover Width Has Strainer Inlet Connection Size Inlet Pattern Type Is for Grey Water Nominal Body Length Nominal Body Length Nominal Body Length Outlet Connection Size Spillover Level Spillover Level	Text Number Text Number Number Number Number Number Number Text Logical Number Text Logical Number Number Number Number Number Number Number	inch inch inch inch inch inch inch inch	mm mm mm mm mm mm mm	Dentalizuspidor, Handlinse, Hospital, Tipuy, Manly, Washfountain, Washfo	Identifies the predefined types of wash basin or lavatory from which the type required may be set. Color of the object. The size of the drain outlet connection from the object. Selection of the form of mounting For counter top mounted basins the vertical offset between the top of the sink and the counter top. Nominal or quoted depth of the object. Nominal or quoted depth of the object. Nominal or quoted width of the object. Nominal or quoted width of the object. Nominal or quoted width of the object. Nominal or puoted width of the object. The length measured along the x-axis in the local coordinate system or the radius (in the case of a circular shape in plan) of the cover. The length measured along the x-axis in the local coordinate system of the cover of the trap. Material from which the cover or grating is constructed. Indicates whether the trap has a strainer. Save of the inlet connection() Goddenfiles the pattern of inlet connections to a trap Indicates whether the trap has a strainer. Save of the inlet connection() Indicates whether the trap has a prainer of the cover						
Wash Hand Basin Type Color Color Drain Size Mounting Mounting Offset Noninal Depth Noninal Width Noninal Width Waster Floor Trap Trap Type Cover Length Cover Meth Cover Meth Cover Material Has Strainer Iniet Connection Size Iniet Pattern Type Is For Grey Water Noninal Body Lepth Outlet Connection Size Spillower Level Waste Trap Waste Trap Waste Trap Type	Text Number Text Number Number Number Number Number Number Text Logical Number Text Logical Number Number Number Text Logical Number Text Logical Number Text Text Logical Number Text Logical Number Number Number Number Number Number Number Number Number	inch inch inch inch inch inch inch inch	mm	Dentalizuspidor, Handlinse, Hospital, Tipuy, Manly, Washfountain, Washfo	Identifies the predefined types of wash basin or lavatory from which the type required may be set. Color of the object. The size of the drain outlet connection from the object. Section of the form of mounting For counter top mounted basins the vertical offset between the top of the sink and the counter top. Naminal or quoted length of the object. Naminal or quoted length of the object. Naminal or quoted length of the object. Naminal or quoted with of the object. The length of the object is the control of the object is the control of the object is the object is the passage of foul air. Object of the object is the local conditions with the floor trap from which the type required may be destrible the predefined types of waste trap used in combination with the floor trap from which the type required may be control or the trap object in the cover of the trap. Naterial from which the cover or grating is constructed. Indicates whether the trap has a strainer Size of the inlet connection(s) Identifies the pattern of inlet connections to a trap indicates if the pattern of inlet connections to a trap indicates if the pattern of inlet connections to a trap indicates if the purpose of the floor trap is to receive grey water Nominal or quoted length measured along the x-axis in the local coordinate system of the chamber of the trap. Nominal or quoted length measured along the x-axis in the local coordinate system of the chamber of the trap. Nominal or quoted length measured along the x-axis in the local coordinate system of the chamber of the trap. Nominal or quoted length measured along the x-axis in the local coordinate system of the chamber of the trap. Nominal or quoted length measured along the x-axis in the local coordinate system of the chamber of the trap. Nominal or quoted length measured along the x-axis in the local coordinate system of the chamber of the trap. Nominal or quote	ricwasteTerminal					
Wash Hand Basin Type Color Drain Size Mounting Mounting Offset Nominal Depth Nominal Length Nominal Length Nominal Width Waste Raco Trap Trap Type Cover Length Cover Width Cover Width Cover Waterial Has Strainer Inlet Connection Size Inlet Patter Type Is For Grey Water Nominal Body Length Nominal Body Length Nominal Body Ventth Oulet Connection Size Spillover Level Waste Trap	Text Number Text Number Number Number Number Number Number Text Logical Number Text Logical Number Text Logical Number Text Logical Number	Inch Inch Inch Inch Inch Inch Inch Inch	mm	Dentalizuspidor, Handlinse, Hospital, Tipuy, Manly, Washfountain, Washfo	Identifies the predefined types of wash basin or lavatory from which the type required may be set. Color of the object. The size of the drain outlet connection from the object. Selection of the form of mounting For counter top mounted basins the vertical offset between the top of the sink and the counter top. Nominal or quoted depth of the object. Nominal or quoted depth of the object. Nominal or quoted length of the object. Nominal or quoted width of the object. Nominal or quoted width of the object. Nominal or quoted width of the object. The length measured along the *axis in the local coordinate system of the floor trap from which the type required may be set. The length measured along the *axis in the local coordinate system of the cover of the trap. Material from which the cover or grating is constructed. Indicates whether the trap has a strainer Size of the inlet connection() Indicates whether the trap has a strainer Size of the inlet connection() Indicates whether the floor trap is to receive grey water Nominal or quoted length measured along the *axis in the local coordinate system of the chamber of the trap. Naminal or quoted length measured along the *axis in the local coordinate system of the chamber of the trap. Nominal or quoted length measured along the *axis in the local coordinate system of the chamber of the trap. Nominal or quoted length measured along the *axis in the local coordinate system of the chamber of the trap. Size of the independent of the trap. Size of the independent of the trap is the local coordinate system of the chamber of the trap. Size of the outlet connection from the object. The level at which water spiles out of the terminal. Figure of the purpose of sever gases is dentified to prevent the passage of sever gases identifies the perdefined types of waste trap from which the type required may be set.	ricwasteTerminal					
Wash Hand Basin Type Color Color Drain Size Mounting Mounting Offset Noninal Depth Noninal Length Noninal Width Waster Floor Trap Trap Type Cover Hength Cover Meth Cover Meth Cover Material Has Strainer Iniet Connection Size Iniet Pattern Type Is Fro Grey Water Noninal Body Length Noninal Sody Length	Text Number Text Number Number Number Number Number Number Text Logical Number Text Logical Number Number Number Text Logical Number Text Logical Number Text Text Logical Number Text Logical Number Number Number Number Number Number Number Number Number	inch inch inch inch inch inch inch inch	mm	Dentalizapidor, Handlinse, Hospital, Tipuy, Narily, Washfountain, Washfountain, Washfountain, Washing Town, User Defined White, Almond, User Defined BackToWall, Pediestal, CounterTop, Defined True or False 55, Aluminum, User Defined True or False 0,12,3 or 4 inter connections and arrangement may vary, True or False	Identifies the predefined types of wash basin or lavatory from which the type required may be set. Color of the object. The size of the drain outlet connection from the object. Selection of the form of mounting. For counter top mounted basins the vertical offset between the top of the sink and the counter top. Nominal or quoted depth of the object. Nominal or quoted width of the object. Nominal or quoted method, the depth of the object. Nominal or quoted width of the object. Nominal or quoted method, the sink and the counter top. Identifies the predefined types of waste trap used in combination with the floor trap from which the type required may be set. The length measured along the vasis in the local coordinate system or the radius (in the case of a circular shape in plan) of The rength measured along the vasis in the local coordinate system of the cover of the trap. Material from which the cover or grating is constructed. Indicates whether the trap has a strainer Size of the inter connection(s) Identifies the parties of interior connections to a trap Indicates if the purpose of the floor trap is to receive grey water Nominal or quoted length measured along the vasis in the local coordinate system of the chamber of the trap. Nominal or quoted length measured along the vasis in the local coordinate system of the chamber of the trap. Nominal or quoted length measured along the vasis in the local coordinate system of the chamber of the trap. Nominal or quoted length measured along the vasis in the local coordinate system of the chamber of the trap. Nominal or quoted length measured along the vasis in the local coordinate system of the chamber of the trap. Nominal or quoted length measured along the vasis in the local coordinate system of the chamber of the trap. Nominal or quoted length measured along the vasis in the local coordinate system of the chamber of the trap. Nominal or quoted length measured along the vasis in the local coordinate system of the chamber of the trap. Nominal or	IfcWasteTerminal IfcWasteTerminal					
Wash Hand Basin Type Color Color Drain Size Mounting Mounting Offset Nominal Depth Nominal Length Nominal Length Nominal Width Waster Floor Trap Trap Type Cover Length Cover Width Cover Width Cover Width Has Strainer Iniel Connection Size Iniel Patter Type Is For Grey Water Nominal Body Length Nominal Body Length Nominal Body Length Nominal Body Width Outlet Connection Size Spillover Level Waste Trap Uniel Connection Size Outlet Connection Size	Text Number Text Number Number Number Number Number Number Text Logical Number Text Logical Number Text Logical Number Text Logical Number	Inch Inch Inch Inch Inch Inch Inch Inch	mm	Dentalizapidor, Handlinse, Hospital, Tipuy, Narily, Washfountain, Washfountain, Washfountain, Washing Town, User Defined White, Almond, User Defined BackToWall, Pediestal, CounterTop, Defined True or False 55, Aluminum, User Defined True or False 0,12,3 or 4 inter connections and arrangement may vary, True or False	Identifies the predefined types of wash basin or lavatory from which the type required may be set. Color of the object. The size of the drain outlet connection from the object. Selection of the form of mounting For counter top mounted basins the vertical offset between the top of the sink and the counter top. Nominal or outled depth of the object. Nominal or outled length of the object. Nominal or outled length of the object. Nominal or outlet be floor, that retains liquid to prevent the passage of foul air. Identifies the predefined types of waste trap used in combination with the floor trap from which the type required may be set. The length measured along the x-axis in the local coordinate system or the radius (in the case of a circular shape in plan) of the cover. The length measured along the y-axis in the local coordinate system of the cover of the trap. Material from which the cover or gating is constructed. Indicates whether the trap has a strainer Size of the inlet connection(s) Indicates whether the trap has a strainer Size of the inlet connection(s) Indicates if the purpose of the floor trap is to receive grey water Nominal or quoted length measured along the x-axis in the local coordinate system of the chamber of the trap. Naminal or quoted length measured along the x-axis in the local coordinate system of the chamber of the trap. Size of the index connection from the object. The level at which water spiles out of the terminal. Pepe Effiting, est along the measured along the y-axis in the local coordinate system of the chamber of the trap. Size of the outlet connection from the object. The level at which water spiles out of the terminal. Pepe Effiting, est algorithm case and a circular shape in plan of the chamber of the trap. Size of the index connection from the object. Alter is an apparatious are of waste trap from which the type required may be set. Size of the local connection from the object.	ricwasteTerminal					
Wash Hand Basin Type Color Color Drain Size Mounting Offset Noninal Depth Noninal Length Noninal Width Waste Floor Trap Trap Type Cover Length Cover Width Cover Material Has Strainer Inlet Connection Size Inlet Pattern Type Is For Grey Water Noninal Body Length Noninal Body Length Nominal Rody Le	Text Number Text Number Number Number Number Number Number Text Logical Number Logical Number Number Text Logical Number Text Logical Number Text Number	Inch Inch Inch Inch Inch Inch Inch Inch	mm	Dentalizuspidor, Handlinse, Hospital, Tipuy, Marily, Washfountain, Washf	Identifies the predefined types of wash basin or lavatory from which the type required may be set. Color of the object. The size of the drain outlet connection from the object. Selection of the form of mounting. For counter top mounted basins the vertical offset between the top of the sink and the counter top. Nominal or quoted depth of the object. Nominal or quoted width of the object. Nominal or quoted method, the depth of the object. Nominal or quoted width of the object. Nominal or quoted method, the sink and the counter top. Identifies the predefined types of waste trap used in combination with the floor trap from which the type required may be set. The length measured along the vasis in the local coordinate system or the radius (in the case of a circular shape in plan) of The rength measured along the vasis in the local coordinate system of the cover of the trap. Material from which the cover or grating is constructed. Indicates whether the trap has a strainer Size of the inter connection(s) Identifies the parties of interior connections to a trap Indicates if the purpose of the floor trap is to receive grey water Nominal or quoted length measured along the vasis in the local coordinate system of the chamber of the trap. Nominal or quoted length measured along the vasis in the local coordinate system of the chamber of the trap. Nominal or quoted length measured along the vasis in the local coordinate system of the chamber of the trap. Nominal or quoted length measured along the vasis in the local coordinate system of the chamber of the trap. Nominal or quoted length measured along the vasis in the local coordinate system of the chamber of the trap. Nominal or quoted length measured along the vasis in the local coordinate system of the chamber of the trap. Nominal or quoted length measured along the vasis in the local coordinate system of the chamber of the trap. Nominal or quoted length measured along the vasis in the local coordinate system of the chamber of the trap. Nominal or	IfcWasteTerminal IfcWasteTerminal					

The property enumeration defines the types of air terminal that may be specified within the property set.

The Air Diffusion Performance Index (ADPI) is used for cooling mode conditions. If several measurements of air velor temperature are made throughout the occupied zone of a space, the ADPI is the percentage of locations where mea were taken that meet the specifications for effective draft temperature and air velocity.

Air Terminal Type

Text

None

Airflow Rate Range	Number	Cubic Feet/Minute	Liter/Minute		Air flowrate range within which the air terminal is designed to operate.					
									'	
Air Flowrate Versus Flow Control Element	Number	Cubic Feet/Minute	Liter/Minute		Air flowrate versus flow control element position at nominal pressure drop.					
Core Set Horizontal	Number	Degrees F	Degrees C		Degree of horizontal (in the X-axis of the Local Placement) blade set from the centerline.					
Core Set Vertical Core Type	Number Text	Degrees F	Degrees C		Degree of vertical (in the Y-axis of the Local Placement) blade set from the centerline. Identifies the way the core of the Air Terminal is constructed.					
Discharge Direction	Text			Parallel, Perpendicular,	Discharge direction of the air terminal.					
1				Adjustable	Parallel: discharges parallel to mounting surface designed so that flow attaches to the surface.					
1					Perpendicular: discharges away from mounting surface. Adiustable: both parallel and perpendicular discharge.					
Effective Area	Number	Square Ft	Square Cm		Effective discharge area of the air terminal.					
Face Type Finish Color	Text Text				Identifies how the terminal face of an Air Terminal is constructed.					
Finish Type	Text				The finish color for the air terminal. The type of finish for the air terminal.				-	
Flow Control Type	Text				Type of flow control element that may be included as a part of the construction of the air terminal.					
Flow Pattern Has Integral Control	Text			True or False	Flow pattern.					
Has Sound Attenuator	Logical Logical				If TRUE, a self powered temperature control is included in the Air Terminal. If TRUE, the air terminal has sound attenuation.					
Has Thermal Insulation	Logical			True or False	If TRUE, the air terminal has thermal insulation.					
Mounting Type Neck Area	Text	Square Inch	Saussa mm	Surface, Flat flush, Lay-in	The way the air terminal is mounted to the ceiling, wall, etc. Neck area of the air terminal.					
Number Of Slots	Number		Square mm	1,2,3	Number of slots.					
Shape	Text				Shape of the air terminal. Slot is typically a long narrow supply device with an aspect ratio generally greater than 10 to 1.					
Slot Length	Number	Inch	mm		Slot length.					
Slot Width	Number	Inch	mm		Slot width.					
Temperature Range	Number		Degrees C		Temperature range within which the air terminal is designed to operate.					
Throw Length	Number	Inch	mm		The horizontal or vertical axial distance an airstream travels after leaving an Air Terminal before the maximum stream velocity is reduced to a specified terminal velocity under isothermal conditions at the upper value of the Air Flow rate Range.					
Air Flow Rate	Number	Cubic Feet/Minute	Liter/Minute		Volumetric flow rate.					
Centerline Air Velocity		Feet/Minute	Cm/Minute		Centerline air velocity versus distance from the diffuser and temperature differential					
Induction Ratio	Number	None			Induction ratio versus distance from the diffuser and its discharge direction; induction ratio (or entrainment ratio) is the ratio of					
Neck Air Velocity Pressure Drop	Number	Feet/Minute Inches of Water	Cm/Minute mm of Water		Air velocity at the neck. Drop in total pressure between inlet and outlet at nominal air-flow rate.			_		
Supply Air Temperature Cooling	Number	Degrees F	Degrees C	<u> </u>	Supply air temperature in cooling mode.					
Supply Air Temperature Heating		Degrees F	Degrees C		Supply air temperature in heating mode.					
Air Flow Rate	Number	Cubic Feet/Minute	Liter/Minute		The actual airflow rate as designed.					
Airflow Type	Text				Enumeration defining the functional type of air flow through the terminal.					
Location	Text				Location (a single type of diffuser can be used for multiple locations); high means close to ceiling.					
Air to Air Heat Exchanger					An air-to-air heat recovery device employs a counter-flow heat exchanger between inbound and outbound air flow.					
Heat Exchanger Type	Text				The property enumeration defines the types of heat exhanger that may be specified within the property set.					
Has Defrost Heat Transfer Type	Logical Text			True or False	The heat exchanger has defrost function or not. Type of heat transfer between the two air streams.					
Operational Temperature Range	Number	Degrees F	Degrees C		Allowable operation ambient air temperature range.				-	
Primary Airflow Rate Range	Number	Cubic Feet/Minute	Liter/Minute		possible range of primary airflow that can be delivered					
Secondary Airflow Rate Range	Number	Cubic Feet/Minute	Liter/Minute		possible range of secondary airflow that can be delivered.					
Air Pressure Drop Curves Defrost Temperature Effectiveness	Number Number	PSI Degrees F	Pa Degrees C		Air pressure drop as function of air flow rate. Temperature heat transfer effectiveness when defrosting is active.					
Humidity Effectiveness	Number	None None	Degrees C		Temperature heat transfer effectiveness when defrosting is active. Humidity heat transfer effectiveness: The ratio of primary airflow absolute humidity changes to maximum possible absolute		 		+	
					humidity changes.				'	
Latent Heat Transfer Rate Sensible Effectiveness	Number Number	BTU/Ft2F None			Latent heat transfer rate. Sensible heat transfer effectiveness, where effectiveness is defined as the ratio of heat transfer to maximum possible heat					
					transfer.					
Sensible Effectiveness Table Sensible Heat Transfer Rate	Number Number	None BTU/Ft2F			Sensible heat transfer effectiveness curve as a function of the primary and secondary air flow rate. Sensible heat transfer rate.					
Temperature Effectiveness	Number	None None			Sensible heat transfer rate. Temperature heat transfer effectiveness: The ratio of primary airflow temperature changes to maximum possible temperature		 		-	
					changes.				'	
Total Effectiveness Total Effectiveness Table	Number Number	None None			Total heat transfer effectiveness: The ratio of heat transfer to the maximum possible heat transfer. Total heat transfer effectiveness curve as a function of the primary and secondary air flow rate.					
Total Heat Transfer Rate		BTU/Ft2-+F		<u> </u>	Total heat transfer rate.					
Boiler					A boiler is a closed, pressure-rated vessel in which water or other fluid is heated using an energy source such as natural gas,					
					heating oil, or electricity. The fluid in the vessel is then circulated out of the boiler for use in various processes or heating applications.				البراء	
Boiler Type	Text				The property enumeration defines the types of boiler that may be specified within the property set.					
Energy Source			1	1	Enumeration defining the energy source or fuel combusted to generate heat.					
Heat Transfer Curfore Area	Text	Causes Fr	Sauses Car	+					+	
Heat Transfer Surface Area Is Water Storage Heater	Text Number Logical	Square Ft	Square Cm	True or False	Total heat transfer area of the vessel. This is used to identify if the boiler has storage capacity (TRUE). If FALSE, then there is no storage capacity built into the boiler,					
Is Water Storage Heater	Number Logical		Square Cm	True or False	This is used to identify if the boiler has storage capacity (TRUE). If FALSE, then there is no storage capacity built into the boiler, such as an instantaneous hot water heater.					
Nominal Energy Consumption	Number Logical Number	BTU	Square Cm	True or False	This is used to identify if the boiler has storage capacity (TRUE). If FALSE, then there is no storage capacity built into the boiler, such as an instantaneous had water heater. Normalful fuel consumption rate required to produce the total boiler heat output.					
Is Water Storage Heater	Number Logical		Square Cm	True or False	This is used to identify if the boiler has storage capacity (TRUE). If FALSE, then there is no storage capacity built into the boiler, such as an instantaneous hot water heater.					
Is Water Storage Heater Nominal Energy Consumption Nominal Part Load Ratio Operating Mode Outlet Temperature Range	Number Logical Number Number Text Number	BTU None Degrees F	Square Cm Degrees C	True or False	This is used to liserably if the bolier has storage capacity (TRUE), IF FALSE, then there is no storage capacity built into the boller, such as an instantance, but water helder. Nominal field consumption rate required to produce the total boller heat output. Advanced part lost offer one; Identifies the operating mode of the boller. Advanced part lost offer one; Identifies the operating mode of the buller.					
Is Water Storage Heater Nominal Energy Consumption Nominal Part Load Ratio Operating Mode Outlet Temperature Range Partial Load Rificiency Curves	Number Logical Number Number Text Number Number Number	BTU None Degrees F Percent	Degrees C	True or False	This is used to identify if the boiler has storage capacity (TRUE), IF FALSE, then there is no storage capacity built into the boiler, such as an instantance, but what he hades the such as a constantance, but what he hades the such as a storage capacity built into the boiler, showing falled consumption rate required to produce the total boiler heat output. Allowable part boar rate required to produce the total boiler heat output. Allowable output compensation of the the boiler. Allowable output temperature of either the water or the steam. Boiler efficiency as incinction of the partial load factor, E = f (partial Load factor).					
Is Water Storage Heater Nominal Energy Consumption Nominal Part Load Ratio Operating Note Operat	Number Logical Number Number Text Number Number Number Number	BTU None Degrees F Percent PSI Degrees F		True or False	This is used to identify if the bolier has storage capacity (TRUE), IF FALSE, then there is no storage capacity built into the boller, such as in instantance, but water health as the same of the sam					
is Water Storage Heater Nominal Energy Consumption Nominal Part Load Ratio Operating Mode Outlet Temperature Range Paristi Load Efficiency Curves Pressure Rating Water Intel® Capacity Water Intel® Capacity Water Storage Capacity	Number Logical Number Number Text Number Number Number Number Number Number	BTU None Degrees F Percent PSI	Degrees C	True or False	This is used to liserably if the bolier has storage capacity (TRUE), IF FALSE, then there is no storage capacity built into the boller, such as an instantaneous hot water heater. Nominal fact consumption rate required to produce the total boller heat output. Allowable part lost for its one. Identifies the operating mode of the boller. Allowable part lost part and the partial lost factor, E = f [partial lost factor]. Nominal pressure rating of the bollers a restet by the agency having jurisdiction. Allowable used terminal of the boller as rested by the agency having jurisdiction.					
Is Water Storage Heater Nominal Energy Consumption Nominal Part Load Ratio Operating Note Operat	Number Logical Number Number Text Number Number Number Number	BTU None Degrees F Percent PSI Degrees F	Degrees C	True or False	This is used to identify if the bolier has storage capacity (TRUE), IF FALSE, then there is no storage capacity built into the boller, such as in instantance, but water health as the same of the sam					
Is Water Storage Neater Nominal For Load Ratio Nominal Part Load Ratio Operating Mode Operating Mode Operating Mode Personal Roting Partial Load Efficiency Curves Personal Roting Water Storage Capacity Mater Storage Capacity Audilary Energy Communities Combuston Efficiency Combuston Efficiency Combuston Efficiency Combuston Emperature	Number Logical Number Number Text Number	BTU None Degrees F Percent PSI Degrees F Gallons/Liters Degrees F	Degrees C	True or False	This is used to liserably if the bolier has storage capacity (MRIQL) IF FASK, then there is no storage capacity built into the boler, such as an instantaneous hot water healer. **Rominal Fast consumption rate required to produce the total boller heat output. **Allowable part total for name. **Identifies the operating mode of the boller. **Allowable consumption rate required to the boller. **Allowable part total reprint up of either the water or the siteam. **Boller enfinency as a function of the partial load factor. **Boller enfinency as a function of the partial load factor. **Boller enfinency as a function of the partial load factor. **Boller enfinency as a function of the partial load factor. **Boller enfinency as a function of the partial load factor. **Boller enfinency as a function of the partial load factor. **Boller enfinency as a function of the partial load factor. **Boller enfinency as a function of the partial load factor. **Boller enfinency as a function of the partial load factor. **Boller enfinency as a function of the partial load factor. **Boller enfinency as a function of the partial load factor. **Boller enfinency under committee committee committee committee. **Boller enfinency under committee committee committee. **Boller enfinency under committee. **Bolle					
is Water Storage Heater Nominal Fart Load Ratio Operating Mode Outlet Temperature Range Paristi Load Efficiency Curves Pressure Rating Water Intel Temperature Range Water Intel Temperature Range Water Storage Capacity Ausiliary Energy Consumption Combustion Efficiency Combustion Efficiency Combustion Efficiency Combustion Efficiency Combustion Energe Source Cossumption	Number Logical Number Number Text Number	BTU None Degrees F Percent PSI Degrees F Gallons/Liters Percent Degrees F BTU/Hr	Degrees C Pa Degrees C	True or False	This is used to identify if the bolier has storage capacity (TRUE), IF FALSE, then there is no storage capacity built into the boler, such as an instantaneous hot water healer. Rominal fall consumption rate required to produce the total boller heat output. Allowable part lost for one; Identifies the operating mode of the boller. Allowable part lost part and the partial lost factor; E = f (partial lost factor). Rominal pressure rating of the bollers and by the agency having jurisdiction. Allowable uset for intermediate range. Water storage capacity under nominal consumerion pureous. Combastion efficiency under nominal conformation. Average combustion chamber temperature. Energy communities.					
is Water Storage Heater Nominal Energy Consumption Nominal Part Load Ratio Operating Mode Operating Mode Operating Mode Operating Mode Operating Mode Operating Mode Water Honge County Water Honge Operature Range Water Honge County Water Storage County Water Storage County Operating Mode Combastion Engreenture Energy Source Consumption Load Read	Number Logical Number Number Text Number	BTU None Degrees F Percent PSI Degrees F Gallons/Liters Percent Degrees F BTU/Hr BTU	Degrees C Pa Degrees C	True or False	This is used to liserably if the bolier has storage capacity (PUREU.) If FASK, then there is no storage capacity built into the boler, such as an instantance but water healter. Nominal field consumption rate required to produce the total boler heat output. Allowable part to after for one; Identifies the operating mode of the bolier. Allowable consumption or after the buller. Allowable count to representance of either the water or the steam. Bolber efficiency as a function of the partial load factor, E if partial Load factor, I. Somming pressure register of the boliers in Suby the agency howing jurisdiction. Allowable user with temperature range. Water storage capacity of the boliers as funding the steam of the stea					
Is Water Storage Neuter Nominal Fact Load Ratio Nominal Fact Load Ratio Operating Mode Operating Mode Operating Mode Operating Mode Operating Mode Operating Mode Water Storage Capacity Water Institute Capacity Water Storage Capacity Water Storage Capacity Water Storage Capacity Cambassion Engenerature Cambassion Engenerature Energy Source Consumption Load Real Operational Efficiency Operational Efficiency Part Load Ratio	Number Logical Number Number Text Number	BTU None Degrees F Percent PSI Degrees F Gallons/Liters Percent Degrees F BTU/Hr BTU Percent None	Degrees C Pa Degrees C	True or False	This is used to liserably if the bolier has storage capacity (MRIQL) if FASK, then there is no storage capacity built into the boler, such as an instantance but water health and in the storage. All the consumption rate required to produce the total boler heat output. All downled part to after for one; Identifies the operating mode of the bolier. All downled but the operating mode of the bolier. All downled but the transparture of either the water or the steam. Bolier efficiency as a function of the partial load factor, E if partial Load factor, I. Stormal pressure starting of the boliers as they the agency having jurisdiction. Allowable used with either temperature ranse. Where storage capacities and the starting of					
is Water Storage Heater Nominal Energy Consumption Nominal Part Load Rabi Operating Mode Outlet Temperature Range Partial Load Efficiency Curves Pressure Rating Water Intelligency Consumption Combustion Efficiency Combu	Number Logical Number Number Text Number	BTU None Degrees F Percent PSI Degrees F Gallons/Liters Percent BTU/Hr BTU Percent	Degrees C Pa Degrees C	True or False	This is used to identify if the boiler has storage capacity (TRUE), IF FALSE, then there is no storage capacity built into the boiler, such as an instantance but what he helder. Rominal fael consumption rate required to produce the total boiler heat output. Allowable part total for ion range. Identifies the operating mode of the boiler. Allowable used the operating mode of the boiler. Allowable used the repeature of either the water or the steam. Boiler efficiency as a function of the partial load factor. E floatfall load factor. Normal pressure rating of the boilers as rating of the boilers are storage of the boilers are storage. Allowable used from the temperature range. Water storage capacity. Boiler seconder diseasers yourse consumetion sumod. Combustion efficiency ander romain donotion. Average consumption channel temperature. Boiler regions of the control of t					
is Water Storage Neater Nominal Fort Load Ratio Operating Mode Operating Mode Operating Mode Operating Mode Operating Mode Water Storage Capacity Pressure Burge Water Storage Capacity Auxiliary Energy Commention Combuston Efficiency Foreign Source Consumption Code Real Operation Efficiency Pressure Terripy Consumption Water Storage Capacity Primary Energy Consumption Water Storage Capacity Primary Energy Consumption Water Storage Capacity Water Storage Consumption Water Storage Capacity Water Storage Consumption Water Storage Capacity Water Storage Capacit	Number Logical Number Number Text Number	BTU None Degrees F Percent PSI Degrees F Gallons/Liters Percent Degrees F BTU/Hr BTU Percent None	Degrees C Pa Degrees C	True or False	This is used to liserably if the bolier has storage capacity (PMED. IF FASK, then there is no storage capacity built into the boller, such as an instantaneous hot water healer. As the same is no storage capacity built into the boller, such as an instantaneous hot water healer. **Rominal fact consumption rate required to produce the total boller heat output. **Advantage parts for some general control of the boller. **Advantage control of the the water or the statum. **Boller enforces as a function of the partial boll factor. 2 in partial cost factor). **Boller enforces as a function of the partial boll factor. 2 in partial cost factor). **Boller enforces as a function of the partial boll factor. 2 in partial cost factor). **Boller enforces as a function of the partial boll factor. 2 in partial cost factor). **Boller enforces as a function of the partial boll factor. **Boller enforces as a function of the partial boll factor. **Boller enforces as a function of the partial boller factor. **Boller enforces as a function of the partial boller factor. **Boller enforces as a function of the partial boller factor. **Boller enforces as a function of the partial boller factor. **Boller enforces as a function of the partial boller factor. **Boller enforces as a function of the partial boller factor. **Boller enforces as a function of the partial boller factor. **Boller enforces as a function of the partial boller factor. **Boller enforces as a function of the partial boller factor. **Boller enforces as a function of the partial boller factor. **Boller enforces as a function of the partial boller partial partial boller enforces and partial boller					
is Vater Storage Heater Nominal Energy Consumption Nominal Part Load Ratio Operating Mode Notice Temperature Range Water India of Efficiency Curves Pressure Raing Water Monage Capacity Manillary Energy Consumption Combostion Efficiency Combostion Efficiency Combostion Efficiency Combostion Efficiency Company Department of Monage Consumption Load Ratio Operational Efficiency Part Load Ratio Primary Energy Consumption Working Pressure Steam Boller	Number Logical Number Number Text Number	BTU None Degrees F Percent PSI Degrees F Gallons/Liters Percent Degrees F BTU/Hr BTU Percent None BTU/Hr PSI	Degrees C Pa Degrees C Degrees C	True or False	This is used to liserably if the bolish rhas storage capacity (TRUE), IF FASS, then there is no storage capacity built into the boler, such as an instantance but water healer. Nominal fiel consumption rate required to produce the total boller heat output. Allowable put to fair for inerge. Identifies the operating mode of the boller. Allowable consumptivative of either the water or the steam. Boller efficiency as a function of the partial load factor, E of partial load factor. Nominal pressure rating of the bollers as they the agency having jurisdiction. Allowable used in intermediative range. Water storage capacity under nominal condition. Allowable used in intermediative range. Water storage capacity under nominal condition. Average combustion chamber temperature. Tomps combustion of cambro description of the company in the condition. Average combustion of hamber temperature. Tomps combustion efficiency, boller output divided by total energy input (electrical and fuel). Boller primary energy source consumption (i.e., the feel consumed for changing the thermodynamic state of the fluid). Boller primary energy source consumption (i.e., the feel consumed for changing the thermodynamic state of the fluid).					
is Water Storage Heater Nominal Furt Look Batto Operating Mode Ope	Number Logical Number Number Text Number	BTU None Degrees F Percent PSI Degrees F Gallons/Liters Percent Degrees F BTU/Hr BTU Percent None BTU/Hr	Degrees C Pa Degrees C Degrees C	True or False	This is used to liserably if the bolier has storage capacity (PMED, IF FASK, then there is no storage capacity built into the boler, such as an installance but outer health capacity. **Nominal Fast consumption rate required to produce the total boller heat output. **Advanced part of any for range. **Lideraffies the operating mode of the boller. **Advanced benefit end for range. **Lideraffies the operating mode of the boller. **Advanced benefit end for the part of the boller. **Advanced benefit end for the boller strick but in the part of the boller. **Doller enforces vs. a function of the boller strick. **Doller enforces vs. a function of the boller strick. **Water storage capacity. **Boller strickness resolver consumetion summal. **Combustion efficiency under nominal condition. **Advanced conductor damber temperature. **Energy compution of anbater temperature. **Linergy compution. **Doller enforces you believe output divided by total energy injust (electrical and fuell). **Boller primary energy source consumption (L.e., the fuel consumed for changing the thermodynamic state of the fluid). **Boller vorbing pressure. **Stam boller type is selected. **Boller boller storage. **Stam boller type is selected. **Boller boller state of the fluid boller vorbing desection. **Boller boller state of the fluid boller vorbing desection. **Boller boller state of the fluid boller vorbing pressure. **Stam boller type Specific Baseline Attributes. **Total mains Hade sould as sisted by the Boller manufacturer. For steam bollers, it is a function of inlet temperature versus					
Is Water Storage Neuter Nominal Fart Load Ratio Operating Mode Op	Number	BTU None Degrees F Percent PSI Degrees F Gallons/Liters Percent Degrees F BTU/Hr BTU Percent None BTU/Hr PSI	Degrees C Pa Degrees C Degrees C	True or False	This is used to liserably if the bolier has storage capacity (MRIQL) IF FASS, then there is no storage capacity built into the boler, such as an instantance but water health as a consumption rate required to produce the total boller heat output. Allowable part to all or sonage. Identifies the operating mode of the boller. Allowable and the operating mode of the boller. Allowable parts to all the spratial boad factor, E 1 fapartial Load factor). Bootine efficiency as a function of the partial load factor, E 1 fapartial Load factor). Bootine directors and of the boller as ruled by the genery buring jurisdiction. Allowable and with other immerization range. Bootine secondary energy course consumation surrents. Combustion of the course in the secondary of the secondary buring jurisdiction. Allowable and with other immerization range. Bootine secondary energy course consumation surrents. Combustion efficiency under romainst condition. Average combustion of anther temperature. Energy consumption. Bootine real load. Operational efficiency, boller output divided by total energy input (electrical and fuer). Bootine romain capacity. Bootine romain capacity and the secondary as a function of inite temperature versus steam preserve.					
Is Water Storage Neuter Neominal Face (Consumption Neominal Face (Consumption Neominal Face (Consumption Neominal Face (Consumption Operating Mode Operating Mode Operating Mode Operating Mode Pressure Busing Water Isolate (Consumption Water Storage Consumption Comboston (Free)	Number Logical Number Number Text Number Number Number Number Number Text Number	BTU None Degrees F Percent PSI Degrees F Gallons/Liters Percent Degrees F BTU/Hr BTU Percent None BTU/Hr BTU/Hr	Degrees C Pa Degrees C Degrees C	True or False	This is used to identify if the bolier has storage capacity (TRUE). If FALSE, then there is no storage capacity built into the boler, such as an instantance but water healer. Nominal field consumption rate required to produce the total boiler heat output. Advanced part to a first ronge. Identifies the operating mode of the bolier. Allowable part to a first ronge. Identifies the operating mode of the bolier. Allowable content reportative of either the water or the steam. Bolier efficiency as a function of the partial load factor, E of partial coad factor. Nominal pressure resident of the boliers as they the agency having jurisdiction. Allowable used in intermerature range. Water storage capacity under nominal condition. Allowable used in intermerature range. Water storage capacity under nominal condition. Average combustion chamber temperature. Foreign consumption. Journal of the storage condition of the storage of the storage capacity in the storage consumption. Journal of the storage consumption output divided by total energy input (electrical and fuel). Jobalor range and the ed to the nominal capacity. Jobalor range grouver consumption (i.e., the fuel consumed for changing the thermodynamic state of the fluid). Bolier working pressure. Jobalor range foreign fasseline. Altributes. Jobal or the seed of the solder and state of the fluid. Bolier working pressure. Jobal or the partial pressure. Jobal or storage foreign fasseline. Altributes. Jobal or storage foreign fasseline. Altributes. Jobal or the storage of the bolier as defined by the manufacturer. For steam boliers, it is a function of inlet temperature versus steam pressure.					
is Water Storage Neater Nominal For Load Ratio Operating Mode National Operations Plange Water National Operations Plange Water National Operations Plange Operations Operating Modernia Plange Combustion Engineering Engrey Consumption Load Real Operational Efficiency Part Load Ratio Primary Energy Consumption Working Pressure Interest Operations Very National Operations Very National Operations Very National Operations Very National Operations National	Number	BTU None Degrees F Percent PSI Degrees F Gallons/Liters BTU/hr BTU Percent None BTU/hr BTU/hr BTU/hr BTU/hr BTU/hr BTU/hr BTU/hr BTU/hr BTU/hr	Degrees C Pa Degrees C Degrees C	True or False	This is used to liserably if the bolish risk has storage capacity (RBIQL) if FASS, then there is no storage capacity built into the boller, such as an instantance but water health as a consumer but water health as a consumer but water health as a consumer of the boller. Allowable parts to after one gene and the source of the boller. Allowable parts to after one gene and the source of the source					
In Wider Storage Nester Nominal Energy Consumption Nominal Part Load Ratio Operating Mode Water Storage Copicity Water Storage Copicity Auxiliary Energy Consumption Combuston Efficiency Combuston Emperature Energy Source Consumption Load Road Operational Efficiency Part Load Ratio Primary Energy Consumption Volving Pressure Seem Soller Institute Operating Modern Modern Seem Soller Institute Opportunities Seem Soller Maconum Optice Pressure Maconum Optice Pressure	Number Logical Number N	BTU None Degrees F Percent PSI Degrees F Gallons/Liters BTU/hr BTU Percent None BTU/hr BTU/hr BTU/hr PSI BTU/hr PSI	Degrees C Pa Degrees C Degrees C	True or False	This is used to liserably if the bolish rich has storage capacity (MRIQL) if FALSE, then there is no storage capacity built into the boller, such as an instantance but water healer. Hominal final consumption rate required to produce the total boller heat output. Allowable part to after for mege. Identifies the operating mode of the boller. Allowable but the operating mode of the boller. Allowable but the programment or of either the water or the steam. Boller efficiency as a function of the partial load factor, E if partial Load factor). Normal pressure stiller of the boller as richer by the agency howing jurisdiction. Allowable under under temperature ranse. Marker storage capacity of the boller as richer by the agency howing jurisdiction. Combustion efficiency under commandies summels. Combustion efficiency under normal condition. Average combustion of habit temperature. Interpretation of the comment of the					
In Water Storage Neuter Nominal Facety Consumption Nominal Facety Consumption Nominal Facety Set	Number Logical Number Text Number Number Number Number Number Text Number Number Number Text Number Text Number Nu	BTU None Degrees F Percent PSI Degrees F Gallons/Liters Percent Degrees F Gallons/Liters Percent Degrees F GTU/W BTU STU/W BTU None FSI PSI PSI PSI PPERCENT	Degrees C Pa Degrees C Degrees C	True or False	This is used to liserably if the bolier has storage capacity (PMED.) If FASS, then there is no storage capacity built into the boler, such as an instantance but water health as a constant on the storage capacity (PMED.) If FASS, then there is no storage capacity built into the boler, such as an instantance but water health as a constant of the constant of the storage. Identifies the begretating mode of the boler. Identifies the storage capacity (PMED.) If FASS, then there is no storage capacity. Identifies the begretating mode of the boler. Identifies the storage capacity. Identifies the storage capacity (PMED.) In the species of the storage capacity. Identifies the storage capacity (PMED.) If FASS, the species the storage capacity (PMED.) In the species of					

The content of the		_					1.	1					_	_			
Column	Chiller						IfcChiller										
March Marc						naio, typicany water or a mixture or water and giycor. The crimed hald is then used to coor and denominary an in a building.											
Secondary Seco						The property enumeration defines the types of chiller that may be specified within the property set.											
March Marc	Capacity Curve																
No.	Coefficient Of Performance Curve	Number	None			Chiller coefficient of performance (COP) is function of condensing temperature and evaporating temperature.											
March Marc	Full Load Ratio Curve	Number	None			Ratio of actual power to full load power as a quadratic function of part load											
Angle March Marc	Nominal Capacity	Number				Nominal cooling capacity of chiller at standardized conditions as defined by the agency having jurisdiction.											
March 1985 1	Nominal Condensing Temperature		Degrees F	Degrees C		Chiller condensing temperature.											
March 150 15																	
Column				Degrees C		Chiller evaporating temperature. Sum of the refringration effect and the heat equivalent of the nower input to the compressor.											
March Marc	Nominal Power Consumption	Number				Nominal total power consumption.											
Company Comp	Capacity		Ton			The product of the ideal capacity and the overall volumetric efficiency of the compressor.											
March Marc						The Coefficient of performance (COP) is the ratio of heat removed to energy input.											
March Marc	Energy Efficiency Ratio	Number	BTU/Hr/Watt			The Energy efficiency ratio (EER) is the ratio of net cooling capacity to the total input rate of electric power applied											
March Marc	Coil					A coil is a device used to provide heat transfer between non-mixing media.	IfcCoil .										
March Marc		Text				The property enumeration defines the types of coil that may be specified within the property set.											
March Control March Contro	Airflow Rate Range	Number	Cubic Feet/Minute	Liter/Minute		Possible range of airflow that can be delivered.											
West processed No. 10	Nominal Latent Canacity	Number	OTH		airflow across the coil (e.g.	Manufael Intent consults											
March Marc	Nominal Sensible Capacity		BTU			Nominal sensible capacity.											
March Marc	Nominal U A	Number	None														
March Marc	Operational Temperature Range		Degrees F	Degrees C													
March 1965	Placement Type				Floor, Ceiling, Unit												
March Marc	Air Pressure Drop Curve					Air pressure drop curve, pressure drop – flow rate curve											
March 1.50	Face Velocity			ra													
March 150 15	Sound Curve																
March Marc	Sound Attenuation				True or False	TRUE if the coil has sound attenuation, FALSE if it does not.			\perp					\perp			
Company Comp	Water Coil			1		Hydronic coil type attributes.					-						
Column	Bypass Factor Coil Connection Direction		None	1	between 0-1	Fraction of air that is bypassed by the coil . Coil connection direction (facing into the air stream)					1 -			-			
Control Cont	Coil Coolant					The fluid used for heating or cooling used by the hydronic coil.			1 1					1		+	
Table	Coil Face Area	Number	Inch	mm		Coil face area in the direction against air the flow.											
March Marc	Coil Fluid Arrangement	Text							1					1			
The content of the		1			Crossflow, Cross Parallel Flow	4						1			1		
The content of the	Fluid	Text		+		The properties of the hydronic fluid used for heat transfer within the coil tubes			 		1		+	1			
March 1997			PSI	Pa													
March Marc			Square Ft			Heat exchange surface area associated with U-value.											
Part	Primary Surface Area					Primary heat transfer surface area of the tubes and headers.											
March Marc	Secondary Surface Area	Number	Square Ft	Square Cm		Secondary heat transfer surface area created by fins.											
American Septime			None			Total IIA curves IIA - air and water velocities											
Company Comp				Pa													
Company Transfer Test Te		Number	None		between 0-1												
Company Comp							IfcCompressor										
March State March			0014														
Section Sect	Has Hot Gas Bypass	Logical	NFWI		True or False												
According March			Tonnage			Compressor capacity under ideal conditions.											
Month of Lond Reference Month of Marked Month of Marked Service	Ideal Shaft Power		Horsepower			Compressor shaft power under ideal conditions.											
Manuse M				mm													
Provide Service Provided Pr																	
Part Control	Nominal Capacity	Number															
## Adjusted Type Text Tex	Power Source					Type of power driving the compressor.											
Compressor (Compressor Compressor	Refrigerant Class	Text			CFC, HCFC, HFC	Refrigerant class used by the compressor.											
Compressor (Compressor Compressor	Refrigerant Type	Text				Refriserant material											
Somewhat Confession Number 1 Present See of the earth opinion for the many of the ment support for the many of the many of the many of the ment support for the many of the	Coefficient Of Performance	Number	None														
Compares Capacity Number Compares Capacity Number Compares Capacity in advanced and an advanced and accept and ac	Compression Efficiency	Number															
Compress Treat Tillneys	Compressor Consolity	Number	*														
Compress treatment dame of the compression of the c		Number															
Force Mode Number Control Cont	Compressor Total Heat Gain	Number	BTU/Hr			Compressor total heat gain.			<u> </u>								
Process Number Number Note Number Nu	Energy Efficiency Ratio		None			Energy efficiency ratio (EER).											
input Person Insufficiency Insuffi						Friction heat gain.			1	-	 		-	1	-		
Section (Figure 1) Number Percent Station of the water longer compression of the less to survive integrated from the Section of the Secti	rull LORD KRUD	Number	none			nation of actual power to full load power as a quadratic function of part load, at certain condensing and evaporating temperature						1			1		
Interior Efficiency Interior Property and Same Number Interior Number I	Input Power	Number				Input power to the compressor motor.											
Lockmorn Home Lockmorn Hom	Isentropic Efficiency	Number				Ratio of the work required for isentropic compression of the gas to work input to the compressor shaft.					$oxed{\Box}$			1			
Nomber Number Percet Rate of the extract shall power inget to the compressor. Conference Volumer's Efficiency Number Percet Rate of the extract engineers of the theoretical displacement of the compressor.						Lubricant pump heat gain.			+					1			
Volumetric Efficiency Number Percent State of the actual volume of gas entering the compressor to the theoretical displacement of the compressor. State of the actual volume of gas entering the compressor to the theoretical displacement of the compressor. State of the actual volume of gas entering the compressor volume of gas entering the gas entering the compressor volume of gas entering the gas enterin									1					1		+	
Condenser Condenser Page Test Source PT Sou	Volumetric Efficiency			1													
Condensor Type Text Condensor Text Condensor Type																	
Condesser Type Text Search (1) Number Search (2) Square PR Squ	Condenser						IfcCondenser										
External Surface Area Internal Surface Area Number Suguer PE S		Text															
Internal Serigement Volume Internal Serigement Volume Internal Serigement Volume Internal Volume Number Internal Volume Intern	Condenser Type					External surface area (both primary and secondary area).											
Nominal Internal Water Volume Nominal Internal Volume (Salben, Users) Nominal	External Surface Area	Number							1 -					1			
Nominal Heat Transfer Area Nominal Heat Transfer Area Nominal Heat Transfer Area Nominal Heat Transfer Coefficient No	External Surface Area Internal Refrigerant Volume	Number Number	Square Ft	square cm					+		L			_			1
Nominal Intest Transfer Coefficient Number Refrigerant Assertial Refrigerant Assertial Text Refrigerant Material Refrigerant Refrigeran	External Surface Area Internal Refrigerant Volume Internal Surface Area	Number Number Number	Square Ft	Square Cm Square Cm		Internal surface area.											
Refigerant Class Refigerant Material Text Compressor Condenser Petal Sian Number BTU Response Dop Number PSI Ps Pessor deplayer between condenser level to compressor outlet. Compressor Condenser Petal Sian Number Compressor Condenser Petal Sian Number Response Dop Number None Condenser Mean Void Traction Number None Doperes F Degrees C Refigerant condensing responser Number None Number None Degrees F Degrees C Refigerant condensing responser Number None Number None Number None Doperes F Degrees C Refigerant condensing responser Number None Number Number Number None Number N	External Surface Area Internal Refrigerant Volume Internal Surface Area Internal Water Volume	Number Number Number Number	Square Ft Gallons/Liters	Square Cm		Internal surface area. Internal volume of condenser (water side).											
Refrigerant Material Text Compressor Condensor Pleat Gain Number St U Number St D Number S	External Surface Area Internal Refrigerant Volume Internal Surface Area Internal Water Volume Nominal Heat Transfer Area Nominal Heat Transfer Coefficient	Number Number Number Number Number Number	Square Ft Gallons/Liters Square Ft	Square Cm		Internal surface area. Internal volume Condenser (water side). Nominal heat transfer surface area associated with nominal overall heat transfer coefficient. Nominal overall heat transfer surface area associated with nominal overall heat transfer cree.											
Compressor Condenser Pressure Dop Number PSI Ps Pressure drop between condenser intel and compressor outlet. Condensing Temperature Number None None Mean void Fraction Number Degrees F Degrees C Refrigerant condensing temperature. Condensing Temperature Number None Number None Number None Number State S	External Surface Area Internal Refigerant Volume Internal Surface Area Internal Water Volume Nominal Heat Transfer Area Nominal Heat Transfer Area Nominal Heat Transfer Coefficient Refigerant Class	Number Number Number Number Number Number Text	Square Ft Gallons/Liters Square Ft	Square Cm	CFC, HCFC, HFC	Internal suffice area. Internal volume of condenser (water side). Nominal heat transfer surface area associated with nominal overall heat transfer coefficient. Nominal overall heat transfer coefficient associated with nominal heat transfer area. Refigerant class used by the condenser.											
Condenser Mean Youlf Fraction Number None Enterior Heat Transfer Cedificient Number None Enterior Heat Transfer Cedificient Number None Interior Neat Transfer Cedificient Number None None Number None None Number None Number None None Number None None Number None None Number None Number None None Number None None Number None None Number None Number None Number None None Number Number None Number None Number Number None Number None Number Number None Number	External Surface Area Internal Refirgerant Volume Internal Surface Area Internal Surface Area Internal Water Volume Nominal Heat Transfer Area Nominal Heat Transfer Area Refigerant Class Refigerant Class Refigerant Material	Number Number Number Number Number Number Text Text	Square Ft Gallons/Liters Square Ft None	Square Cm	CFC, HCFC, HFC	Internal values of condenser (water side). Nominal heat transfer surface area associated with nominal overall heat transfer coefficient. Nominal heat transfer surface area associated with nominal heat transfer coefficient. Nominal overall heat transfer surface. Befriegrant diss used by the condenser. The refigerant rational used for heat to sarder purposes.											
Condensing Emperature Number Stateor Next Transfer Coefficient Number N	External Surface Area Internal Refrigerant Volume Internal Surface Area Internal Surface Area Internal Surface Area Norminal Heat Transfer Area Norminal Heat Transfer Area Norminal Heat Transfer Coefficient Refrigerant Class Refrigerant Material Compressor Condenser Heat Gain	Number Number Number Number Number Number Number Text Text Number	Square Ft Gallons/Liters Square Ft None BTU	Square Cm Square Cm	CFC, HCFC, HFC	Internal surface area. Internal volume of condenser (water side). Nominal heat transfer surface area associated with nominal overall heat transfer coefficient. Nominal overall heat transfer coefficient associated with nominal heat transfer area. Refrigerant class used by the condenser. The refigerant material used for heat transfer purposes.											
Esterior heat Transfer Coefficient Number Namber Number None Number Number None Number Num	External Surface Area internal Refrigerant Volume internal Surface Area internal Surface Area internal Volume internal Volume Nominal Head Transfer Area Nominal Head Transfer Coefficient And Regrand Class And Regrand Class Compressor Condenser Head Gain Compressor Condenser Pressure Drop Condenser Mean Vold Facility Conde	Number Number Number Number Number Number Text Text Number Number	Square Ft Gallons/Liters Square Ft None BTU PSI	Square Cm Square Cm	CFC, HCFC, HFC	Internal values of condenser (water side). Nominal heat transfer surface area associated with nominal overall heat transfer coefficient. Nominal heat transfer surface area associated with nominal heat transfer coefficient. Nominal overall heat transfer surface. Refrigerant class used by the condenser. The refrigerant rational used for heat transfer purposes. Ideat gain between condenser inter to compressor outset. Persuser drop Detereo condenser inter accompressor outset.											
Interior teast Transfer Coefficient Interior Transfer Coefficient Interior Transfer Coefficient Interior Transfer Transfer Coefficient Interior Transfer Tra	External Surface Area Internal Refrigerant Volume Internal Surface Area Internal Surface Area Internal Surface Area Nominal Heat Trander Area Nominal Heat Trander Coefficient Refrigerant Class Refrigerant Material Compressor Condenser Heat Gain Compressor Condenser Heat Gain Compressor Condenser Pressure Drop Condenser Mean Void Fraction Condenser Gemperature	Number Number Number Number Number Number Number Text Text Number Number Number	Square Ft Gallons/Liters Square Ft None BTU PSI None	Square Cm Square Cm Pa	CFC, HCFC, HFC	Internal value of condenser levater side). Nominal heat transfer surface area associated with nominal overall heat transfer coefficient. Nominal heat transfer surface area associated with nominal heat transfer area. Refrigerant class used by the condenser. The refrigerant material used for heat transfer purposes. Heat gain between condenser lifet to condenser fruit to condenser.											
Logarithmic Mean Temperature Difference Number Degrees C Logarithmic mean temperature difference between refrigerant and water or air. Refrigerant fooling Resistance Number None Number None Difference On the Professor of Number None Number None Number None Number None Number None Number Number Number Number Number None Number Nu	External Surface Area Internal Refrigerant Volume Internal Surface Area Internal Surface Area Internal Volume Internal V	Number Number Number Number Number Number Text Text Number Number Number Number Number Number	Square Ft Gallons/Liters Square Ft None BTU PSI None Degrees F None	Square Cm Square Cm Pa	CFC, HCFC, HFC	Internal valuer of condenser (easter side). Identified heat transfer surface area associated with nominal overall heat transfer coefficient. Nominal heat transfer surface area associated with nominal heat transfer coefficient. Reinified reveal the stransfer coefficient associated with nominal heat transfer area. Reinified results are surfaced associated with nominal heat transfer area. Reinified results are surfaced associated with nominal heat transfer area. Reinified results are surfaced associated with earth of the surface area. Reinified results are surfaced associated with exterior surface area. Reinified confidence and surfaced associated with exterior surface area.											
Refrigerant Coulting Resistance Number None Founding resistance on the refrigerant side. U A course Number None U.V. or (Visitance) I as a function of interior and exterior fluid flow velocity at the entrance. Water Fouling Resistance Number Number Number Number None I A coult of the velocity of the entrance. Water Fouling Resistance Number I as A R2-Y/RTU Founding resistance on water/ar side. A could be danger of whitel beams is device typically used to cool air by circulating a fluid such as chilled water through (Cooledbeam	External Surface Area Internal Refrigerant Volume Internal Surface Area Internal Surface Area Internal Surface Area Nominal Heat Trander Area Nominal Heat Trander Coefficient Refrigerant Class Refrigerant Material Compressor Condenser Heat Gain Compressor Condenser Heat Gain Compressor Condenser Pressure Drop Condenser Mean Void Fraction Condenser Serger Emperature Exterior Heat Trander Coefficient Heat Rejection Rate	Number Number Number Number Number Number Number Text Text Number Number Number Number Number Number	Square Ft Gallons/Liters Square Ft None BTU PSI None Degrees F None BTU/Hr	Square Cm Square Cm Pa	CFC, HCFC, HFC	Internal values of condenser (water side). Nominal heat transfer surface area associated with nominal overall heat transfer coefficient. Nominal heat transfer surface area associated with nominal heat transfer coefficient. Nominal overall heat transfer surface coefficient associated with nominal heat transfer area. Refrigerant class used by the condenser. The refrigerant condensial used for heat transfer purposes. Ideat gain between condenser line accompressor outlet. Persurer drop between condenser line accompressor outlet. Mean void fraction in condenser. Refrigerant condensing temperature. Exterior heat transfer coefficient associated with exterior surface area. Sum of the refrigeration effect and the heat equivalent of the power input to the compressor.											
U A curves Number None UV = f VEsterior, Vinterior f, UV as a function of interior and exterior fluid flow velocity at the entrance. What F fouling Resistance Number IV x x 2 "7/BTU Souling resistance on unterfair side. Chilled Beam A cooled beam is a device typically used to cool air by circulating a fluid such as chilled water through	External Surface Area Internal Refrigerant Volume Internal Surface Area Internal Refrigerant Volume Internal Surface Area Internal Water Volume Nominal Heat Transfer Area Nominal Heat Transfer Coefficient Refrigerant Class Refrigerant Class Refrigerant Materializer Heat Gain Compensor Condenses Pressure Drop Condenses Heat Gain Condenses Transfer Coefficient Senting Surface Surface Senting Surfa	Number Number Number Number Number Number Number Text Text Number	Square Ft Gallons/Liters Square Ft None BTU PSI None Degrees F None BTU/Hr None	Square Cm Square Cm Pa Degrees C	CFC, HCFC, HFC	Internal volume of condenser (euter side). Nominal heat transfer surface area associated with nominal overall heat transfer coefficient. Nominal heat transfer surface area associated with nominal heat transfer coefficient. Reinferent class used by the condenser. Reinferent class used by the condenser. The refignment natural used for heat transfer purposes. Heat gain between condenser leaf congressor outlet. Persource dispulsation condenser leaf compressor outlet. And pressure dispulsation condenser leaf used compressor outlet. And pressure dispulsation condenser leaf used compressor outlet. Sold of the refigerant nature condenser leaf used compressor outlet. Sold of the refigerant condensing temperature. Sold of the refigerant condensing temperature. Sound the refigerant condensing temperature. Sound the refigerantion effect and the heat equivalent of the power input to the compressor.											
Chilled Beam A cooled beam (or chilled beam) is a device typically used to cool air by circulating a fluid such as chilled water through	External Surface Area Internal Refrigerant Volume Internal Surface Area Internal Surface Area Internal Surface Area Nominal Heat Trander Area Nominal Heat Trander Coefficient Refrigerant Class Refrigerant Material Compressor Condenser Heat Gain Compressor Condenser Heat Gain Compressor Condenser Pressure Drop Condenser Mean Void Fraction Condensing Temperature Exterior Heat Trander Coefficient Heat Rejection Rate Interior Heat Trander Coefficient Logarithmic News Temperature Officient Logarithmic News Temperature Officerence	Number Number Number Number Number Number Number Number Text Number	Square Ft Gallons/Liters Square Ft None BTU PSI None Degrees F None BTU/Hr None Degrees F	Square Cm Square Cm Pa Degrees C	CFC, HCFC, HFC	Internal values of condenser (water side). Nominal heat transfer surface area associated with nominal overall heat transfer coefficient. Nominal heat transfer surface area associated with nominal heat transfer coefficient. Nominal overall heat transfer surface. Refrigerant class used by the condenser. The refrigerant condensial used for heat transfer purposes. Ideat gain between condenser inter to compressor outlet. Pressure drop between condenser inter accompressor outlet. Mean void fraction in condenser. Seterior heat transfer coefficient associated with exterior surface area. Surface transfer coefficient associated with interiors surface area. Sum of the refrigerant condension effect and the heat equivalent of the gower input to the compressor unterior heat transfer coefficient associated with interior surface area.											
Chilled Beam (cr chilled beam) is a device typically used to cool air by circulating a fluid such as chilled water through exposed finned tubes above a space	External Surface Area internal Refrigerant Volume internal Surface Area internal Surface Area internal Surface Area internal Surface Area Normal Heat Transfer Coefficient Berry Surface Area Berry Surface Area Berry Surface Area Compressor Condenser Heat Gain Compressor Condenser Persoure Drop Condenser Mena Vold Fraction Condensing Temperature Staffor Mena Vold Fraction Condensing Transfer Coefficient Heat Independent Sufface Normal Surface Area Surface	Number Number Number Number Number Number Number Number Text Number	Square Ft Square Ft None BTU PSI None Degrees F None BTU/Hr None Degrees F None BTU/Hr None Degrees F None None	Square Cm Square Cm Pa Degrees C	CFC, HCFC, HFC	Internal values of condenser (water side). Nominal heat transfer surface area associated with nominal overall heat transfer coefficient. Nominal heat transfer surface area associated with nominal overall heat transfer coefficient. Nominal overall heat transfer surface area associated with nominal heat transfer area. Refrigerant class used by the condenser. The refrigerant classification used for heat transfer purposes. Ideat gain between condenser inter as compressor outlet. Pressure drop between condenser inter as compressor outlet. Mean void fraction in condenser. Refrigerant condensing temperature. Seterior heat transfer coefficient associated with exterior surface area. Sum of the refrigerant onfects and the heat equivalent of the power input to the compressor unterior heat transfer coefficient associated with interior surface area. Logarithmic mean lengorature difference between refrigerant and water or air. Fouling resistance on the refrigerant side.											
(eshapen manee manee a shape.	External Surface Area Internal Refrigerant Volume Internal Surface Area Internal Refrigerant Volume Internal Surface Area Internal Surface Area Nominal Heat Transfer Area Nominal Heat Transfer Coefficient Refrigerant Class Refrigerant Material Compressor Condetiner Heat Gain Compressor Condetiner Heat Gain Compressor Condetiner Pressure Drop Condetiner Metal Gain Compressor Condetiner Pressure Drop Condetiner Metal Valid Traction Compressor Condetiner Pressure Drop Condetiner Transfer Coefficient Heat Rejection Rate Interior Heat Transfer Coefficient Logarithmic Mean Temperature Difference Refrigerant Touring Resistance U A curves Water Fouling Resistance	Number Number Number Number Number Number Number Number Text Number	Square Ft Square Ft None BTU PSI None Degrees F None BTU/Hr None Degrees F None BTU/Hr None Degrees F None None	Square Cm Square Cm Pa Degrees C	CFC, HCFC, HFC	Internal volume of condenser (water side). Nominal heat transfer surface area associated with nominal overall heat transfer coefficient. Nominal heat transfer surface area associated with nominal heat transfer coefficient. Biominal overall heat transfer coefficient associated with nominal heat transfer area. Befrigerant class used by the condenser. The refrigerant national used for heat transfer purposes. Ideal gain between condenser internation compressor outlet. Mean void fraction in condenser. Refrigerant condensing interpretation. Setter in the transfer coefficient associated with settlers runface area. Setter in the transfer coefficient associated with settlers runface area. Setter in the transfer coefficient associated with settlers runface area. Loars there is transfer coefficient associated with settlers runface area. Loars there is transfer coefficient associated with settlers runface area. Loars there is transfer coefficient associated with settlers or office area. Loars there is transfer or entire											
	External Surface Area Internal Refrigerant Volume Internal Surface Area Internal Refrigerant Volume Internal Surface Area Internal Surface Area Nominal Heat Transfer Area Nominal Heat Transfer Coefficient Refrigerant Class Refrigerant Material Compressor Condetiner Heat Gain Compressor Condetiner Heat Gain Compressor Condetiner Pressure Drop Condetiner Metal Gain Compressor Condetiner Pressure Drop Condetiner Metal Valid Traction Compressor Condetiner Pressure Drop Condetiner Transfer Coefficient Heat Rejection Rate Interior Heat Transfer Coefficient Logarithmic Mean Temperature Difference Refrigerant Touring Resistance U A curves Water Fouling Resistance	Number Number Number Number Number Number Number Number Text Number	Square Ft Square Ft None BTU PSI None Degrees F None BTU/Hr None Degrees F None BTU/Hr None Degrees F None None	Square Cm Square Cm Pa Degrees C	CFC, HCFC, HFC	Internal values of condenser (water side). Nominal heat transfer surface area associated with nominal overall heat transfer coefficient. Nominal heat transfer surface area associated with nominal overall heat transfer coefficient. Reminal overall heat transfer surface coefficient sociated with nominal heat transfer area. Refrigerant class used by the condenser. The refrigerant condensiral used for heat transfer purposes. Heat gain between condenser line accompessor outlet. Persurer drop between condenser line accompessor outlet. Mean void fraction in condenser. Refrigerant condensiring temperature. Exterior heat transfer coefficient associated with exterior surface area. Sum of the refrigerant ondensirin effect and the heat equivalent of the gover input to the compressor. Interior heat transfer coefficient associated with interior surface area. Logarithmic mean largerant side. Ye of Victories, Victories, J. V. as a function of interior and exterior fluid flow velocity at the entrance. Fouling resistance on water fair side. A codele beam for collided beam is a device hybrically used to cool air by circulating a fluid such as chilled water through	ff CCooled Beam										

Martin	Mary	Coil Length Coil Verifiel Nominal Return Nominal Return Nominal Return Nominal Surgo N	sphing Type Ing. Ing. Ing. Capacity Ing. Capaci	Number Number Text Logical Number	Inch Feet/Minute BTU per Lineal Feet/Cm Degrees F Degrees F Degrees F Degrees F Gallons/Min	mm Cm/Minute Degrees C Uters/Min Liters/Min	True or False	Lempth of coil. Width of coil. Width of coil. Width of coil. Width of coil. Integrated plating in cooled beam. In fee hanging they for in mounted in a false ceiling? Nominal centing opportery. Nominal return a setzer temperature (refer to a mominal cooling capacity). Mominal feet on a setzer temperature (refer to a mominal ceoling capacity). Nominal surply setzer temperature (refer to a mominal nearing capacity). Nominal surply setzer temperature (refer to a mominal ceoling capacity). Nominal surrounding humidity (refer to a mominal ceoling capacity). Nominal surrounding humidity (refer to a mominal ceoling capacity). Nominal surrounding temperature (refer to a mominal ceoling capacity). Nominal surrounding temperature (refer to a mominal ceoling capacity). Nominal surrounding temperature (refer to a mominal ceoling capacity). Nominal surrounding temperature (refer to a mominal ceoling capacity). Nominal surrounding temperature (refer to a mominal ceoling capacity). Nominal surrounding temperature (refer to a mominal ceoling capacity). Nominal surrounding temperature (refer to a mominal ceoling capacity). Nominal surrounding temperature (refer to a mominal ceoling capacity). Nominal surrounding temperature (refer to a mominal ceoling capacity). The manner in which the piec connection is made to the ceoled beam. Factory (field subter flow centrol typtem.								
March Marc	March Marc	Cell Width Finals Color Finals F	ghing Type ing Capacity ing	Number Text Logical Number	Inch Feet/Minute BTU per Lineal Feet/Cm Degrees F Degrees F Degrees F Degrees F Gallons/Min	mm Cm/Minute Degrees C Uters/Min Liters/Min	True or False	Within of col. Fishic close for cooled beam. Integrated glaring in cooled beam. Integrated glaring in cooled beam. Integrated glaring in cooled beam. In fee hanging type (on froundred in a false celling? Normal or cooling capacity. Normal hearing capacity. Normal hearing capacity. Normal separative from the separative (refers to normal cooling capacity). Normal separative temperature (refers to normal abstract capacity). Normal supply water temperature (refers to normal abstract capacity). Normal supply water temperature (refers to normal abstract capacity). Normal supply water temperature (refers to normal cooling capacity). Normal supply water temperature (refers to normal cooling capacity). Normal supply water temperature (refers to normal cooling capacity). Normal surrounding temperature; (refers to normal cooling capacity). Normal surrounding temperature; (refers to normal cooling capacity). Normal super flow (refers to normal cooling capacity). Normal super flow (refers to normal cooling capacity). Normal super flow (refers to normal cooling capacity). The manner in which the piec connection is made to the cooled beam. Factory fleed water flow control system. Alter flow cooling capacity (cooled beam. Alt flow cooling ratios type of cooled beam.								
March Marc	March Marc	Frink Color magnetic from the product of the color from the color	ighting Type ing ima Capacity ing Capacity	Text Text Logical Number	Feet/Minute BTU per Lineal Feet/Cm Degrees F Feet/Cm Degrees F Degrees F Percent Degrees F Percent Degrees F Galbon, Min Galbon, Min Galbon, Min Galbon, Min BTU/Lineal Feet Inch Inch Sallon, Min Lineal Feet Inch	Cm/Minute Degrees C. Uters/Min Uters/Min	True or False	Fisish scale for scaled beam. Insignated lighting in cooled beam. Is it free hanging type (not mounted in a false celling?? Nominal reading scale policy. Nominal reading scale temperature (refers to nominal scale) acception. Nominal reading scale temperature (refers to nominal scale) acception. Nominal supply water temperature (refers to nominal scale) acception. Nominal supply water temperature (refers to nominal beating capacity). Nominal supply water temperature (refers to nominal beating capacity). Nominal surply water temperature (refers to nominal cooling capacity). Nominal surrounding temperature (refers to nominal beating capacity). Nominal surer flow (refers to nominal cooling capacity). Nominal surer flow (refers to nominal decoling capacity).								
Company	March Marc	Integrated Light Integr	ng ing Capacity in	Text Logical Number	BTU per lineal Feet/Cm Degrees F Degrees F Degrees F Degrees F Percent Degrees F Gallons/Min Gallons	Degrees C Degrees C Degrees C Degrees C Degrees C Degrees C Uters/Min Liters/Min	True or False	integrated glyting in cooled beam. It is fire haingsity by com froundred in a false celling? Nominal cooling capacity. Nominal return water temperature (refers to nominal cooling capacity). Nominal return water temperature (refers to nominal cooling capacity). Nominal return water temperature (refers to nominal cooling capacity). Nominal supply water temperature (refers to nominal habitaty capacity). Nominal supply water temperature (refers to nominal cooling capacity). Nominal supply water temperature (refer to nominal habitaty capacity). Nominal vacyor water temperature (refer to nominal habitaty capacity). Nominal vacyor water (refers to nominal cooling capacity). Nominal vacer (refer (refers to nominal cooling capacity). The manner in which the piec connection is raide to the cooled beam. Factory (rede water flow control system. Alfor (ver cooling virtue) of cooled beam.								
Company	March Marc	is Free Hanging in Free Hanging In Free Hanging In Free Hanging In Hominal Reduction Nominal Surpress Nominal Surpres	ng ing Capacity in	Logical Number	BTU per lineal Feet/Cm Degrees F Degrees F Degrees F Degrees F Percent Degrees F Gallons/Min Gallons	Degrees C Degrees C Degrees C Degrees C Degrees C Degrees C Uters/Min Liters/Min	True or False	is it fees heapting tapes (not mounted as a false celling?? Nominal heapting capacity. Nominal heapting capacity. Nominal heapting capacity. Nominal heapting capacity. Nominal heapting material temperature (refers to nominal capacity). Nominal supervise temperature (refers to nominal heapting capacity). Nominal surrounding temperature (refers to nominal heapting capacity). Nominal surrounding temperature (refers to nominal heapting capacity). Nominal surrounding temperature (refers to nominal heapting capacity). Nominal sure flow (refers to nominal cooling capacity). Nominal sure flow (refers to nominal cooling capacity). Nominal sure flow (refers to nominal heapting capacity). The mounter in which the pier connection is nade to the cooled beam. All flow configuration type of cooled beam. All flow configuration type of cooled beam.								
March Marc	March Marc	Nominal Acuts Nominal Result Nominal Result Nominal Result Nominal Result Nominal Result Nominal Result Nominal Surginal Nominal Nomi	ining Capacity ining	Number	BTU per lineal Feet/Cm Degrees F Degrees F Degrees F Degrees F Percent Degrees F Gallons/Min Gallons	Degrees C Degrees C Degrees C Degrees C Degrees C Degrees C Uters/Min Liters/Min		Nommal cooling capacity. Nommal resture was a construction of the cooling capacity. Nommal resture was a construction of the cooling capacity. Nommal resture was a construction of the cooling capacity. Nommal cooling capacity. Nommal supply was temperature (refers to nommal cooling capacity). Nommal supply was temperature (refers to nommal cooling capacity). Nommal supply was temperature (refers to nommal resture (capacity). Nommal supply was purply in the cooling capacity. Nommal supply was purply in the cooling capacity. Nommal super loss (refers to nommal cooling capacity). The manner in which the piec connection is made to the cooled beam. Factory fried water flow control system. Active veerstaked pooled beam. As flow cooling ratios type of cooled beam. As flow cooling ratios type of cooled beam.								
West	March Marc	Nominal Return Nominal Return Nominal Return Nominal Return Nominal Supplication (Nominal Supplication) (Nominal Supplication) (Nominal Surror Nominal Surror Nominal Surror Nominal Water Nominal Nom	urn Water Temperature Cooling urn Water Temperature Cooling urn Water Temperature Neeting by Water Temperature Cooling by Water Temperature Cooling up Water Temperature Cooling up Water Temperature Neeting counding Itemperature Venting ununding Itemperature Itemperature Ununding It	Number Text Text Text Text Number	Feet/Cm Degrees F Degrees F Degrees F Degrees F Percent Degrees F Percent Degrees F Gallons/Min Gallons/Min Gallons/Min Gallons/Min Feet Inch/mm of Water GFM/Lineal Feet BTU/Lineal Feet Gallons/Min Gallons/Min	Degrees C Liters/Min		Nominal resturn water temperature (refers to nominal cooling capacity). Nominal resturn water temperature (refers to nominal cooling capacity). Nominal supply water temperature (refers to nominal heating capacity). Nominal supply water temperature (refers to nominal heating capacity). Nominal supply water temperature (refers to nominal cooling capacity). Nominal surrounding humidity (refers to nominal cooling capacity). Nominal surrounding temperature (refers to nominal cooling capacity). Nominal water flow (refers to nominal cooling capacity). Nominal water flow (refers to nominal cooling capacity). The manner in which the pipe connection is made to the cooled beam. Factor, Titled water flow control system. Art flow coolinguration type of cooled beam. Air flow configuration type of cooled beam.								
March Marc	## Company 1965 196	Nominal Return Nominal Supplications Nominal Supplications Nominal Supplications Nominal Surplications Nominal Surplication No	un Waler Temperature Nedining by Waler Temperature Cooling by Waler Temperature Cooling by Waler Temperature Nedining ounding Humides Cooling ounding Humides (Cooling ounding Temperature Stating ounding Temperature Stating ounding Temperature Healting ounding Temperature Temperature Cooling ounding Temperature Temperature Cooling ounding Temperature Temperature Cooling ounding Temperature Cooling	Number Text Text Text Text Number	Degrees F Degrees F Degrees F Degrees F Degrees F Percent Degrees F Percent Degrees F Gallons/Min Gallons/Min Gallons/Mineal Feet BTU/Lineal Feet Inch Gallons/Mineal Feet Inch Gallons/Mineal Feet Inch Gallons/Mineal Feet	Degrees C Liters/Min		Nommal return water temperature (refers to nominal heating capacity). Nommal supply water temperature (refers to nominal cooling capacity). Nommal supply water temperature (refers to nominal heating capacity). Nommal surrounding temperature (refers to nominal heating capacity). Nommal surrounding temperature (refers to nominal heating capacity). Nommal surrounding temperature (refers to nominal heating capacity). Nominal surrounding temperature (refers to nominal heating capacity). Nominal surrounding temperature (refers to nominal heating capacity). Nominal sure of the intervent of the								
March Marc	## Command	Nominal Return Nominal Supplications Nominal Supplications Nominal Supplications Nominal Surplications Nominal Surplication No	un Waler Temperature Nedining by Waler Temperature Cooling by Waler Temperature Cooling by Waler Temperature Nedining ounding Humides Cooling ounding Humides (Cooling ounding Temperature Stating ounding Temperature Stating ounding Temperature Healting ounding Temperature Temperature Cooling ounding Temperature Temperature Cooling ounding Temperature Temperature Cooling ounding Temperature Cooling	Number Text Text Text Text Number	Degrees F Degrees F Degrees F Percent Degrees F Percent Degrees F Gallons/Min Gallons/Min Gallons/Min Gallons/Mined Feet BTU/Lineal Feet Inch/Gallons/Mined Feet Inch/Gallons/Min	Degrees C Liters/Min		Nommal return water temperature (refers to nominal heating capacity). Nommal supply water temperature (refers to nominal cooling capacity). Nommal supply water temperature (refers to nominal heating capacity). Nommal surrounding temperature (refers to nominal heating capacity). Nommal surrounding temperature (refers to nominal heating capacity). Nommal surrounding temperature (refers to nominal heating capacity). Nominal surrounding temperature (refers to nominal heating capacity). Nominal surrounding temperature (refers to nominal heating capacity). Nominal sure of the intervent of the								
March Marc	March Marc	Nominal Supplies of the Management of the Management of Nominal Surror Nominal Surror Nominal Surror Nominal Surror Nominal Surror Nominal Water Nominal Water Nominal Water Now Control Nominal Water Now Control Nominal Water Now Control Nominal Water Now Control Nominal	by Water Temperature Heating counding Humidholic Cooling counding Humidholic Cooling counding Temperature Cooling counding Temperature Heating or Flow Cooling the How House Heating Directory The Cooling the Flow Mate the Cooling the Flow Mate the Flow Mate The Cooling the Flow Mate The Cooling the Flow Mate The Cooling The Cool	Number Number Number Number Number Number Number Number Text Text Text Text Number	Degrees F Percent Degrees F Degrees F Degrees F Degrees F Gallons/Min Gallons/Min Gallons/Min GrM/Lineal Feet Inch/mm of Water CFM/Lineal Feet Inch Gallons/Min	Degrees C Degrees C Degrees C Degrees C Degrees C Liters/Min Liters/Min		Nominal supply water temperature priers to nominal heating capacity). Somminal surrounding temperature priers to nominal heating capacity), Nominal surrounding temperature (refers to nominal cooling capacity). Nominal surrounding temperature (refers to nominal heating capacity). Nominal sure flow (refers to nominal cooling capacity). Nominal sure flow (refers to nominal cooling capacity). Nominal sure flow (refers to nominal cooling capacity). The manner or which the piper correction is made to the cooled beam. And the consideration of the cooled beam. All flow configuration type of cooled beam.								
March 1999 Mar	March Marc	Nominal Surro Nominal Surro Nominal Surro Nominal Surro Nominal Wate Nominal No	ounding Humiday Cooling ounding Temperature Cooling ounding Temperature Cooling ounding Temperature Heating or Floor Heating or Floor Heating into Non Outrol System Type Beam Configuration figuration figuration Outrop Curves Dear Cooling	Number Number Number Number Number Number Text Text Text Number	Percent Degrees F Degrees F Gallons/Min Gallons/Min Gallons/Min Grand Feet Inch/mm of Water CFM/Lineal Feet BTU/Lineal Feet Inch Gallons/Min	Degrees C Degrees C Liters/Min Liters/Min		Nominal surrounding humildity (refers to nominal cooling capacity). Nominal surrounding temperature (refers to nominal cooling capacity). Nominal surrounding temperature (refers to nominal collecting capacity). Nominal water flow (refers to nominal collect gazacity). Nominal water flow (refers to nominal collect gazacity). Nominal water flow (refers to nominal collect gazacity). The manner in which the piece connection is nade to the cooled beam. Factor, fired water flow control system. Active treatlated collect beam. Air flow rote.								
Medical Product Street Medical Content Med	March Marc	Nominal Surro Nominal Surro Nominal Wate Nominal Nom	ounding Temperature Cooling ounding Temperature Heating or Flow Cooling or Flow Cooling or Flow Cooling or Flow Cooling on Ornor Gystem Type Isom Configuration Isom Cooling ornor orno	Number Number Number Number Number Text Text Text Number	Degrees F Degrees F Gallons/Min Gallons/Min Gallons/Min CFM/Lineal Feet Inch/mm of Water GFM/Lineal Feet BTU/Lineal Feet Inch Gallons/Min	Degrees C Liters/Min Liters/Min		Nominal surrounding temperature (refers to nominal cooling capacity). Nominal surrounding temperature (refers to nominal beating capacity). Nominal water flow (refers to nominal cooling capacity). Nominal water flow (refers to nominal cooling capacity). The manner in which the piec connection is made to the cooled beam. Factor, filted water flow control system. Active twentialed cooled beam. Air flow configuration type of cooled beam.								
March Marc	March Marc	Nominal Surror Nominal Water N	ounding Temperature Heating or Flow Cooling or Flow Nesting onto System Type Beam Configuration guaration Drop Curves Beam Configuration guaration Drop Curves Rope Copacity Copacity Copacity Copacity Lie Le	Number Number Number Text Text Text Text Number	Degrees F Gallons/Min Gallons/Min Gallons/Min CFM/Lineal Feet Inch/mm of Water CFM/Lineal Feet BTU/Lineal Feet Inch Gallons/Min	Degrees C Liters/Min Liters/Min		Nominal surrounding temperature (refers to nominal Delatting capacity). Nominal suster flow (refers to nominal coloring capacity). Nominal suster flow (refers to nominal coloring capacity). Nominal suster flow (refers to nominal heating capacity). The manner in which the piec connection is made to the cooled beam. Factor, Tifted water flow control system. Active (restallated, cooled beam. Air flow configuration type of cooled beam.								
March Control 10	March Marc	Nominal Water Row Co. Nominal Water Row Co. Water Row Co. Active Children Air How Configure Air How Configure Air How Configure Air How Configure Air How Row Row Air How Air H	er Flow Inesting ion ion ion years are a control system Type Beam Configuration Igguration Iggurati	Number Text Text Text Text Number	CFM/Lineal Feet Inch/mm of Water CFM/Lineal Feet BTU/Lineal Feet BTU/Lineal Feet Inch Gallons/Min	Liters/Min		Nominal water flow (refers to nominal heating capacity). The manner in which the piec connection is raided to the cooled beam. Factory filled water flow control system. Active trentalled cooled beam. Air flow configuration type of cooled beam.								
Property	Mathematical Math	Fips Connectic Vater Flow Co Active Chilled in Air Flow Colled in Air Flow Rate Air Flow Rate Air Flow Rate Air Pressure Di Air Flow Rate Ream Cooling in Connection Size Cooling Water Correction Fac Heating Water Return Water Return Water Return Water Throw Supply Water Throw Total Heating Total Heating Total Heating Water Trotal Cooling Good Cooling Cooling Water Throw Water Return Water Throw Water Return Water Throw Water Return Water Throw Water Return Water Throw Water Pressure Water Pressur	ion Beam Configuration Brop Curves Capacity Capacity	Text Text Text Text Text Number	CFM/Lineal Feet Inch/mm of Water CFM/Lineal Feet BTU/Lineal Feet BTU/Lineal Feet Inch Gallons/Min			The manner in which the gips connection is made to the cooled beam. Factory fitted water flow control system. Active Iventilated Cooled beam Air flow configuration type of cooled beam. Air flow rote, and the cooled beam.								
March Marc	March Marc	Water Flow Cord Active Children Air Flow Cord Air Flow Cord Air Flow Card Air Flow State Air Pressure Di Air Flow Rate R. Bern Cooling Beam Heating Beam Heating Beam Heating Connection Six Heating Water Correction Fac Heating Water Return Water Return Water Supply Air Con Supply Water Throw Total Cooling Total Heating Total Heating Water Pressur	Control System Type Bleam Configuration Sporation Strop Curves Blange Capacity C	Text Text Text Number	Inch/mm of Water CFM/Lineal Feet BTU/Lineal Feet BTU/Lineal Feet Inch Gallons/Min			Factory freed water flow control system. Active twentilated under flow control system. Air flow configuration type of cooled beam. Air flow configuration type of cooled beam.							Ħ	
March Marc	March Marc	Active Chilled I Air Flow Rate Air Flow Rate Air Flow Rate Air Flow Rate Rate Air Flow Rate Rate Beam Cooling I Beam Heating I Connection Fac Correction Fac Supply Water Throw Total Cooling Cooling Total Cooling Cooling Total Heating Cooling Water Pressur	Beam Configuration [growth of the configuration of	Text Number	Inch/mm of Water CFM/Lineal Feet BTU/Lineal Feet BTU/Lineal Feet Inch Gallons/Min			Active (ventilated) cooled beam Air flow configuration type of cooled beam. Air flow configuration type of cooled beam.							+	#
Control Cont	March Colored	Air Flow Rate Air Pressure Dr Airflow Rate Ri Beam Cooling i Beam Heating Connection Six Cooling Water Correction Fac Correcti	Drop Curves Range (Capacity (Capacity tive tive triow Rate totor For Cooling totor For Watting triow Rate Temperature Cooling Temperature Cooling Temperature Heating	Number	Inch/mm of Water CFM/Lineal Feet BTU/Lineal Feet BTU/Lineal Feet Inch Gallons/Min			Air flow rate.							+	_
Commerce	No. West W	Air Pressure Di Airflow Rate Ri Beam Cooling Is Beam Healing Connection Siz Cooling Water Correction Fac Heating Water Return Water Return Water Supply Air Correction Supply Water Throw Total Cooling C Total Heating Ut	Drop Curves Range (Capacity (Capac	Number Number Number Number Number Number Number Number Number	Inch/mm of Water CFM/Lineal Feet BTU/Lineal Feet BTU/Lineal Feet Inch Gallons/Min							 				
Section Sect	Mary Company Mary	Beam Cooling: Beam Heating: Connection Sit Cooling: Water Correction Fac Correction Fac Heating: Water Return Water Return Water Supply Water Supply Water Throw Total Cooling C Water Fees Water Fees Water	S Capacity S Capacity Like Flow Rate Stor For Cooling Stor For Heating Stor For Heating F Flow Rate Temperature Cooling Temperature Heating Innection Type	Number Number Number Number Number Number	BTU/Lineal Feet BTU/Lineal Feet Inch Gallons/Min										1	
March Company Compan	Mary Company Mary	Beam Cooling: Beam Heating: Connection Sit Cooling: Water Correction Fac Correction Fac Heating: Water Return Water Return Water Supply Water Supply Water Throw Total Cooling C Water Fees Water Fees Water	S Capacity S Capacity Like Flow Rate Stor For Cooling Stor For Heating Stor For Heating F Flow Rate Temperature Cooling Temperature Heating Innection Type	Number Number Number Number Number Number	BTU/Lineal Feet BTU/Lineal Feet Inch Gallons/Min											
Part	March Marc	Beam Heating: Connection fac Concing Water Correction Fac Heating Water Return Water Supply Air Con Supply Water Throw Total Cooling College Water Pressur	g Capacity ite ite ite ite ite ith ite	Number Number Number Number Number Number	BTU/Lineal Feet Inch Gallons/Min			Possible range of airflow that can be delivered.							+	-+
Company Comp	March Marc	Connection Size Cooling Water Correction Fac Correction Fac Correction Fac Heating Water Return Water Supply Air Con Supply Water Throw Total Cooling C Total Heating C Water Pressur	itie Flow Rate ktof For Cooling ktof For Heating stor For Heating Flow Rate r Temperature Cooling - Temperature Heating mnettion Type	Number Number Number Number Number	Inch Gallons/Min		L	Heating capacity of beam. This excludes heating capacity of supply air.							\pm	=
Control Control Control	March Marc	Correction Fac Correction Fac Correction Fac Heating Water Return Water Return Water Supply Air Con Supply Water Supply Water Throw Total Cooling C Total Heating C Water Pressure	ector For Cooling sctor For Heating er Flow Rate r Temperature Cooling r Temperature Heating rmection Type	Number Number Number	Gallons/Min	mm		Duct connection diameter.								
Control Cont	March Marc	Correction Fac Heating Water Return Water Return Water Supply Air Con Supply Water Throw Total Cooling C Total Heating (Water Pressure	ector For Heating rr Flow Rate r Temperature Cooling r Temperature Heating rnnection Type	Number Number		Liters/Min					 			_	+	+
March Service And Service	March Marc	Heating Water Return Water Return Water Supply Air Con Supply Water Supply Water Throw Total Cooling C Total Heating C Water Pressure	er Flow Rate r Temperature Cooling r Temperature Heating innection Type	Number											+-	+
Manual Proposed Content	Margin M	Return Water Supply Air Con Supply Water Supply Water Throw Total Cooling C Total Heating C Water Pressure	r Temperature Heating		Gallons/Min			Water flow rate for heating.								
Section of Section 1997 Section	March Marc	Supply Air Con Supply Water Supply Water Throw Total Cooling C	nnection Type	Number											$\perp =$	
March Control Contro	Marcia M	Supply Water Supply Water Throw Total Cooling C Total Heating C Water Pressure	r Temperature Cooling	Number Text	Degrees F	Degrees C	1		 				_		+	+
Segret Content Processed 1985 1	March Marc	Supply Water Throw Total Cooling C Total Heating C Water Pressure			Degrees F	Degrees C		Supply water temperature in cooling mode.							+	_
The content of the	March Marc	Throw Total Cooling C Total Heating C Water Pressure	r Temperature Heating	Number	Degrees F	Degrees C		Supply water temperature in heating mode.							\perp	\perp
The part of plants The par	Marcia M	Total Heating C Water Pressure		Number	Inch	mm		Distance cooled beam throws the air.	1						+	+
The control of the	Math	Water Pressure								 	 				+-	+
Court Figure Figu	Marcian Marc			Number	Inches of Water	mm of Water		Water pressure drop as function of water flow rate.								
Control of the Cont	Find Clark Country Law Country	Cooling Tower						A cooling tower is a device which rejects heat to ambient air by circulating a fluid such as water through it to reduce its IfcCoolingTower								
Windows Wind	We Co you we Coat The Tests as specified in a contract and an another is a random an anothe	Circuit Tyne		Text			Open Circuit Close Circuit	temperature by partial evaporation. Open Circuit: Exposes water directly to the cooling atmosphere							+	-
Britted Street Street Str	Company Comp	a circuit type		T CAL			Wet, Dry, Dry Wet, User									
Constructions of the Transportion Annual Company of the Transport	March Marc						Defined	Wet: The air stream or the heat exchange surface is evaporatively cooled.	1						1	
Advanced to Septical Properties Number Septical	Marcel September Septemb	4														
Anterior Control Control Control Control	Marcian Marcian Suppose Supp	Ambient Desig	ign Dry Bulb Temperature	Number	Degrees F	Degrees C		Ambient design dry bulb temperature used for selecting the cooling tower.								
For Cycling in properties. An or Cy	March Marc	Ambient Desig	ign Wet Bulb Temperature	Number	Degrees F			Ambient design wet bulb temperature used for selecting the cooling tower.								
Unufail great for the control formers (control formers) and the control only by the former (control formers) and the control only by the formers (control formers) and the control only by the control formers (control formers) and the control only by the control formers (control formers) and the control only by the control formers (control formers) and the control only by the control formers (control formers) and the control only by the control formers (control formers) and the control only by the control formers (control formers) and the control only by the control formers (control formers) and the control forme	word is specify. The Service County				Gallons/Liters		Fan Custing Turn Second Fan	Volume between operating and overflow levels in cooling tower basin.							+	$-\!\!\!\!\!+\!\!\!\!\!-$
Despera Control, Target Name Control, Target Name Control (April 1994) Control Strategy Test Special Process (April 1994) Control Strategy Con	Service County, Marghe for in Proposition The Sear Form The Sear Form Annual Sear Form The S	A Cupacity contr		T CAL												
Multiple feet Name (Amount of States) First Property Mark Control Support States (Amount of States) First Property Mark Control States (Amount of States) First Property Mark	Margin Scrien Program Week Program Week Program Week Service Pr	4						Variable Speed Fan: Fan speed is varied to control duty.								
To speech Imp., Uniforce Seech	Test (gent Paul, William Company and Compa	4														
Defined Test Tes	Defined with the principle was former by the principle was a p	4					Two Speed Pump,	Multiple Series Pumps: Turn on/off multiple series pump to control duty.								
Control Studiegy Feel Feel Feel Feel Feel Feel Feel Fee	Ted Ted Columbia Name Co	4					Variable Speed Pump, User	Two Speed Pump: Switch between high/low pump speed to control duty.								
Now family from Name	Water for four four four four four four four	4					Derined	variable Speed Pump: vary pump speed to control duty.								
Courter Fave, Crossfow. Figure of Fave, Cros	Test Counter Face, Constitue, Counter (Counter for earth or other ordered exclusion.) Number Counter Face, Constitue, Counter for earth ordered exclusion. Number Counter Face, Constitue, Counter for earth ordered exclusion. Number Counter Face, Cou	Control Strate	egy	Text			Fixed Exiting Water Temp,	Fixed Exiting Water Temp: The capacity is controlled to maintain a fixed exiting water temperature.								
Paparlier Flore, Izer Monte Control Control Control Control Flore and market for the paper part and water for the paper part and water stream at water stream	Payarle Flow, for Christon Notice Not	Flour Association	mont	Tout			Wet Bulb Temp Reset	Wet Bulb Temp Reset: The set-point is reset based on the wet-bulb temperature.							+	$-\!\!\!\!\!+\!\!\!\!\!-$
All Discription Difference Number Inch.	Number N	Flow All aliget	ment	Text												
Unification Difference Number Nomand Capelly Nomand	Notable Such Months Such Stronger Such Support Such Support Such Support Such Support Such Support Such Support Suppor							Parallel Flow: air and water flow enter in same directions.							₩	
Number of Calls Number of Calls Number Nome Number	Anusher Note Degree F Degree C Septembries Control of the control conference and septembries a					mm		Elevation difference between cooling tower sump and the top of the tower.	-	 	 		-	-	+	+
Number Of Cells where Ordering Services (Cells and Cells	Number Operat Depart Departs (1 Departs 1 Depa		· ·	Number	romage			nominal conditions.	1						1	
Spray Type Test Sory Sind, Splath Type RI, Film Type RI, User Defined Water Requirement Number Nu	Test Number Cables (Min 1) Litery/Min Cables (Min 1) Litery (Min 1) Litery/Min Cables (Min 1) Li	Number Of Ce	ells					Number of cells in one cooling tower unit.							\perp	
Water Requirement Number Capicity Number Nu	Number Gather, Man Ubers/Min Ubers/M		emperature Range		Degrees F	Degrees C	Caray Filled Calash To F''	Allowable operation ambient air temperature range.			 			_	+	+
Water Requirement Number Caslion/Min Liters/Min Make-up water requirements.	Number Gallon/Min Users/Min Ada up water requirements. Number Tonnage Coding tower capter in terms of heat transfer rate of the coding tower between air stream and water stream. Number None None Coding tower capter in the stream of heat transfer rate of the coding tower between air stream and water stream. Number None Coding tower capter in the stream of heat transfer rate of the coding tower between air stream and water stream. Number None Coding tower capter in the stream of the st	apray type		rext				eroner aproy i in i spec	1						1	
Copicity Number Tomage Colling tower capacity in terms of heat transfer cape of the transfer cape of the transfer coefficient are product.	Number None None None None Number None Degrees C Number None Number Number None Number														₩	
Not Transfer Coefficient Number None Number Number None Number None Number None Number Number None Number Number None Number Number None Number	Number None Note Note transfer coefficient-area product. Number None Company of Degree C Company houses, and the second of supper later and the flow arts, U.A. 1 fan speed; the product of supper later and the second		rement			Liters/Min	1		 				_		+	+
Some Number Num	Number Wats Number None Description between the property of th				-		<u> </u>			<u> </u>	<u> </u>					
Use of Number Ogeres F Degrees C Water benefits of Number Ogeres F Degrees C Water benefits of Number Ogeres F Degrees C Water benefits as function of large peed at certain water flow rate, pair flow rate,	Number Degrees F Degrees C Water temperature change as a function of fars severe thange personnel change as a function of fars severe design generalized, water flow rate, all flow rate, and flow rate,	Heat Transfer	r Coefficient			-		Heat transfer coefficient-area product.							\perp	
Number Degrees F Degrees C Water temperature, under flow rate, air flow r	Number Oegrees C Oegrees C Valet femperature change as a function of wet-bulk temperature, water entering temperature, water entering temperature, water flow rate, at floor rate, and floor r								-	 	 		-	-	+	+
Adamper typically participates in an HVAC dust distribution system and is used to control or modulate the flow of air. Disnoper Type Text Manual, Control, Fire, Fire Smoke, Smoke, User Defined Smoke, Smoke, User Defined Smoke, Smoke, User Defined Smoke, Smoke, User Defined Smoke Smoke, User Defined S	Text Manual, Control, Fire, Fire Smoke, Smoke, Liver Defined State and Part State Adamper typically participates in an HYAC disct distribution system and is used to control or modulate the flow of air. Text Smoke, Smoke, Liver Defined Stade edge. Text Rest Garden State Adamper St					Degrees C			 		 		_		+	+
Damper Type Text Manual, Control, Fire, Fire Smoke, Smoke, User Defined Blade Action Text Blade action. Blade Action Text Blade Action Text Blade Action Blade Action Blade Action Blade Material Text The material from which the damper blades are constructed. Blade Blade action. Blade Material Text The material from which the damper blades are constructed. Blade Blade Action Blade Place Blade Material Text Text The material from which the damper blades are constructed. Blade Action Blade Place Blade Place Blade Action Blade Place Blade Action Blade Place Blade Action Blade Place Blade Action Blade Action Blade Action Blade Place Blade Action Blade Actio	Text Manual, Control, Fire, Fire Snoke, Smoke, User Defined Text Snoke, Smoke, User Defined Text Snoke, Smoke, User Defined State action. State shape. Falt means triple by groove. State action. Number Inch/mm The text state shape falt means triple by groove. Text Sandard, Single Flange, State frame. Text Sandard, Single Flange, State frame material. Text Sandard, Control of the State frame material. Text Sandard, Control of the State frame															
Snoke, Snoke, User Defined Snoke, Snoke, User Defined Snoke, Snoke, User Defined Snoke Snoke, User Defined Snoke, User Defined Snoke Snoke, User Defined Snoke Snoke, User Defined Snoke, User	Text	Dames Town		To-4			Manual County Co. C.								+-	-
Blade Action Text	Test	Damper Type	-	rext			Smoke, Smoke. User Defined	the property enumeration defines the types of damper that may be specified within the property set.	1						1	
Blade Right Text	Test						, ,									
Black Material Text Text Text Text Text Text Text Text	Test	Blade Action		Text				Blade action.							+-	$-\!$
Blade Phape Text Subde shape. Fat means triple Y-growe. Subde Shape. Fat means the shape bade. Subde Shape. S	Test		al												+-	+
Close of Fating Text Close of Fating Clo	Test	Blade Shape		Text				Blade shape. Flat means triple V-groove.							\perp	\equiv
Face Area	Number Inch mm	Blade Thickner	ess		Inch	mm									\perp	
Frame Depth Number Inch/mm The length (or depth) of the damper Frame.	Number Incl/mm The length for depth) of the depth of regist of the damper frame. Text Text The material frame which the damper frame material. Text Standard, Single Flange, Single Thickness of the damper frame material. Text Standard, Single Flange, Single Thickness of the damper frame material. Text Standard, Single Flange, Single Thickness of the damper frame material. Text Standard, Single Flange, Single Thickness of the damper frame material. Text Standard, Single Flange, Single Thickness of the damper frame material. Text Standard, Single Flange, Single Thickness of the damper frame material. Text Standard, Single Flange, Single Thickness of the damper frame material. Text Standard, Single Flange, Single Thickness of the damper frame material. Text Standard, Single Flange, Single Thickness of the damper frame material. Text Standard, Single Flange, Single Thickness of the damper frame material. Text Standard, Single Flange, Single Thickness of the damper frame material. Text Standard, Single Flange, Single Thickness of the damper frame material. Text Standard, Single Flange, Single Thickness of the damper frame material. Text Standard, Single Flange, Single Thickness of the damper frame material. Text Standard, Single Flange, Single Thickness of the damper frame material. Text Standard, Single Flange, Single Thickness of the damper frame material. Text Standard, Single Flange, Single Thickness of the damper frame material. Text Standard, Single Flange, Single Thickness of the damper frame material. Text Standard, Single Flange, Single Thickness of the damper frame material. Text Standard, Single Flange, Single Thickness of the damper frame material. Text Standard, Single Flange, Single Thickness of the damper frame material. Text Standard, Single Flange, Single Thickness of the damper frame material. Text Standard, Single Flange, Single Thickness of the damper frame material. Text Standard, Single Flange, Single Thickness of the damper frame material. Text Standard, Single Flange,				Inch	mm			+				_	-	+	+
Frame Material Tet Text The Industrial Transfer Text Text Text Text Text Text Text Text	Text Number Incl/mm Sandard, Single Flange, User Defined Number None Leakage vents pressure drop; Leakage = Epressure).					ııım		The length (or depth) of the damper frame.		 			_	_	+	-+
Frame Thickness Number Inch/mm	Text Standard, Single Flange, Single The type of frame used by the damper Revended Flange, Dubby Flange, User Defined Flange, User Defi	Frame Materia	ial	Text				The material from which the damper frame is constructed.								
	Reversef Range, Double Flange, User Defined Number None Leikäge versus pressure drop; Leikäge = f (pressure). Number CPM per F12/L Leikäge when fully Coted.	Frame Thickne	ness		Inch/mm				-		 		-	-	+	-+
	Flange, User Defined	Frame Type		Text				The type of frame used by the damper								
	Number CFM per F12/L Leakage when fully closed.								1						1	
Natural Control of the Control of th	Number CFM per F12/L Leakage when fully closed.	last		Numa*	Marri			Labora varius processos depart laboras - Clauserusa)	-	 	 		-	-	+	+
Inhapp Curve		Leakage Curve	Closed	Number	CFM per Ft2/L				 		 		_		+	+
	Number None Loss certificient – blade position angle curver, ratio of pressure drop to velocity pressure drop to velocity pressure drop to velocity pressure versus blade angle position.	Loss Coefficien	ent Curve					Loss coefficient – blade position angle curve; ratio of pressure drop to velocity pressure versus blade angle; C = f (blade angle							T	\neg
Reversed Flange, Double	Number None Leskage versus pressure drop; Leskage = f (pressure).	Close Off Ratin Face Area Frame Depth Frame Materia	ing ial	Text Number Number Text Number	Inch Inch/mm		Standard, Single Flange, Single Reversed Flange, Double	Close off rating. Fixe area open the airstream. The length (or depth) of the damper frame. The material from which the general reas is constructed. The thickness of the manager frame rating.								

Company	Maximum Air Flow Rate	Number	Cubic Feet/Minute	e Liter/Minute		Maximum allowable air flow rate.						
March Control Contro												
March Marc	Maximum Working Pressure		PSI			Maximum working pressure.						
March Marc	Nominal Air Flow Rate	Number	Cubic Feet/Minute	e Liter/Minute		Nominal air flow rate.		1			1	
March Marc	Number of Blades	Number	None		1,2,3	Number of blades.						
Mary	Open Pressure Drop	Number	Inches of Water	mm of Water		Total pressure drop across damper.						
March Marc	Operation					The operational mechanism for the damper operation.						
Company Comp			Dba			The intended drientation for the damper as specimed by the manufacturer. Resenerated sound versus air flow rate. Resenerated sound versus air flow rate.						
Second Column	Seal Material	Text										
Part	Temperature Range	Number	Degrees F	Degrees C		Temperature range.						
March Marc	Sizing Method	lext				Identifies whether the damper is sized nominally or with exact measurements: MOMINIAL - Mominal sizing mathod						
March Marc						EXACT: Exact sizing method.						
March Marc	Air Flow Rate	Number	Cubic Feet/Minute	e Liter/Minute		Air flow rate.						
March Marc	Rlade Position Angle	Number	Degrees		0.90	Blade notifiers angle applies the history of flow direction (0 - 90)						
March Marc			None			Damper position (0-1); damper position (0=closed=90deg position angle, 1=open=0deg position angle.						
Property Market	Leakage	Number	CFM per Ft2/L			Air leakage rate.						
Company	Pressure Loss Coefficient	Number	Inches of Water	mm of Water		Pressure drop. Pressure in conferiore Orassure Inc. (1997)						
Note		Humber	HOILE			Control damper type attributes.						
March	Control Damper Operation					The inherent characteristic of the control damper operation.						
March Marc	Torque Range	Number	Inch-Lbs/Nm						_			
Part	Actuation Type	Text				Fire camper type attributes. Enumeration that identifies the different types of dampers. Enumeration that identifies the different types of dampers.						
Marchard M	Enclosure Rating	Text				Enumeration that identifies the closure rating for the damper.						
Company Comp						Measure of the fire resistance rating in hours (e.g., 1.5 hours, 2 hours, etc.).						
Company Comp	Fusible Link Temperature Fire Smoke Damper	Text										
March Service March Servic	Actuation Type	Text				Enumeration that identifies the different types of dampers.						
March Marc	Enclosure Rating	Text		1		Enumeration that identifies the closure rating for the damper.		1	1		1	
March State 1968 1968 1969	Control Type	Text			1	The type of control used to operate the damper (e.g., Open/Closed Indicator, Resettable Temperature Sensor, Temperature Operaride etc.) Operaride etc.		1			1	
Property of the Company of the Com	Fire Resistance Rating	Text				Measure of the fire resistance rating in hours (e.g., 1.5 hours, 2 hours, etc.).						
Part	Fusible Link Temperature	Number	Degrees F	Degrees C		The temperature that the fusible link melts.						
Column C	Smoke Damper	Total				Smoke damper type attributes.					+	
Act		lext			1	Override, etc.) .		1			1	
March Marc	Duct Silencer					A duct silencer is a device that is typically installed inside a duct distribution system for the purpose of reducing the noise IfcDuctSilencer						
March State March						levels from air movement, fan noise, etc. in the adjacent space or downstream of the duct silencer device.						
March State March	Silencer Type	Text				The property enumeration defines the types of silencer that may be specified within the property set.						
March Marc	Airflow Rate Range	Number	Feet/Minute			Possible range of airflow that can be delivered.						
March Marc		Logical			True or False	TRUE if the silencer has exterior insulation. FALSE if it does not.						
Company Comp												
A Transfer Company of the Company of	Temperature Range	Number										
A 10-00 A 10-000 A 10-000 A 10-000 A 10-000 A 10-000 A 10-000	Weight	Number				The weight of the silencer.						
Process of Control Con	Working Pressure Range			Pa Liter/Minute		Allowable minimum and maximum working pressure (relative to ambient pressure). Voluments in flow state.						
March						Volumetric, and How rate.						
Transport Services 1 February 1 F	Air Pressure Dron Curve		Inch/mm of Water	r		Air pressure drop as a function of air flow rate.						
Transport Services 1 February 1 F	All 1 Caure Drop Curve	Number										
Control of Control o		Number				An engine is a device that converts fuel into mechanical energy through combustion. If Engine						
Cofe fig. 1941 A Property Society Company A Mind Soc	Engine Engine Type	Text				An engine is a device that converts fuel into mechanical energy through combustion. The property enumeration defines the types of engine that may be specified within the property set.						
Processor Description Proc	Engine Engine Type Energy Source	Text				The property enumeration defines the types of engine that may be specified within the property set. The source of energy.						
Politication Trials Final Politication Final	Engine Engine Type Energy Source Evaporative Cooler	Text Text				The property enumeration defines the types of engine that may be specified within the property set. The source of energy. An exporative coder is a device that cools air by saturating it with water vapor. [fcfusporativeCooler]						
Processor Proc	Engine Engine Type Engine Type Energy Source Evaporative Cooler Cooler Type	Text Text				The property enumeration defines the types of engine that may be specified within the property set. The source of energy. An exponsitive coder is a device that cools air by saturating it with water vapor. The property enumeration defines the types of evaporative cooler that may be specified within the property set.						
Tool Not registered Tool Service Control Tool And	Engine Engine Type Engine Type Energy Source Evaporative Cooler Cooler Type	Text Text				The property enumeration defines the types of engine that may be specified within the property set. The source of energy. An exponsitive coder is a device that cools air by saturating it with water vapor. The property enumeration defines the types of evaporative cooler that may be specified within the property set.						
Part Programmer (All Programmer) A Transfer	Engine Engine Type Engine Type Energy Source Evaporative Coder Cooler Type Air Pressure Drop Curve	Text Text Text Number	Water/CFM			The property enumeration defines the types of engine that may be specified within the property set. The source of enemy. An expostative coder is a device that cook at they saturating it with water vapor. The property enumeration defines the types of expostative coder that may be specified within the property set. Are pressure drop as function of air flow rate.						
Part Column Col	Engine Engine Type Energy Source Evaporative Coder Cooler Type Air Pressure Drop Curve Effectiveness Table	Text Text Text Number Number	Water/CFM			The property enumeration defines the types of engine that may be specified within the property set. The source of enemy. An exportative coder is a device that cook at the ysaturating if with water vapor. If Chapterstive Coder If Chapterstive Chapterstive Coder If Chapterstive Chapterstive Chapterstive Chapterstive Coder If Chapterstive Chapte						
Operand Engrange Mondo Annotation Engrange Manage Annotation Engrange Annota	Engine Engine Type Energy Source Evaporative Coder Cooler Type Air Pressure Drop Curve Effectiveness Table	Text Text Text Number Number	Water/CFM			The property enumeration defines the types of engine that may be specified within the property set. The source of energy. An evaporative cooler is a device that cools air by saturating it with water vapor. The property enumeration defines the types of evaporative cooler that may be specified within the property set. Air pressure drop as function of air flow rate. Total heal transfer effectiveness curve as a function of the primary air flow rate. Counter Flow. Air and water flow enter in different directions. Counter Flow. Air and water flow enter in different directions.						
Recomplement Number Num	Engine Type Engine Type Energy Source Evaporative Coder Cooler Type Air Pressaver Drop Curve Effectiveness Table Flow Arrangement Heat Exchange Area	Text Text Text Number Number Text Number	Water/CFM None Square Ft	Square Cm		The property enumeration defines the types of engine that may be specified within the property set. The source of event set. An evaporative coder is a device that code air by saturating it with water vapor. The property enumeration defines the types of evaporative cooler that may be specified within the property set. Air pressure drop as function of air flow rate. Total heat transfer effectiveness curve as a function of the primary air flow rate. Counter Pieze-Air and water flow enter in different directions. Counter Flow. Air and water flow enter in different directions. Parallel Flow. Air and water flow are perspectious. Parallel Flow. Air and water flow enter in same directions.						
Stroke Seed of the Company of the Seed of the	Engine Type Engine Type Engine Type Energy Source Suppossive Coder Cooler Type Ast Pressure Drop Curve Effectiveness Table Flow Arrangement Heat Exchange Area Operation Emperature Range	Text Text Text Number Number Text Number Number	Water/CFM None Square Ft Degrees F	Square Cm Degrees C		The property enumeration defines the types of engine that may be specified within the property set. The source of energy a device that cook as if by saturating it with water vapor. An exportative coder is a device that cook as if by saturating it with water vapor. Fig. 10 and 10						
Internal Transfer Rate Notice 100 Study S	Engine Type Engine Type Energy Source Evapositive Coder Cooler Type Air Pressure Drop Curve Effectiveness Table Flow Arrangement Heat Eschange Area Operation Temperature Range Water Press Grop Curve Water Press Strop Curve	Text Text Text Number Number Text Number Number Number	Water/CFM None Square Ft Degrees F	Square Cm Degrees C		The property enumeration defines the types of engine that may be specified within the property set. The source of energy. An evaporative coder is a device that code is are by saturating it with water wapor. The property enumeration defines the types of evaporative cooler that may be specified within the property set. Air pressure drop as function of air flow rate. Total heat transfer effectiveness curve as a function of the primary air flow rate. Counter Flow. Air and water flow enter in different directions. Grossflow. Air and water flow enter in different directions. Parallel Flow. Air and water flow enter in same directions. Heat exchange sure. Allowable operation ambient air temperature range. Allowable operation ambient air temperature range.						
Sensible heart Foreigner Sate Municipal Set 1998 Final Heart Endows Free	Engine Type Engine Type Engine Type Energy Source Evaporative Coder Cooler Type Air Pressure Drop Curve Effectiveness Table Flow Arrangement Heat Exchange Area Operation Temperature Range Water Press Drop Curve Water Requirement Water Requirement	Text Text Text Number Number Text Number Number Number Number Number	Water/CFM None Square Ft Degrees F PSI Gallons/Liters	Square Cm Degrees C		The property enumeration defines the types of engine that may be specified within the property set. The source of enemy. An exportative coder is a device that cook at the ysaturating if with water vapor. The property enumeration defines the types of evaporative coder that may be specified within the property set. Are pressure drop as function of air flow rate. Total heat transfer effectiveness curve as a function of the primary air flow rate. Counter Flow. Air was water flow enter in sine directed in exciton. Counter Flow. Air was water flow enter in sine directed in exciton. Counter Flow. Air was water flow enter in sine directions. Counter Flow. Air was water flow enter in sine directions. Air partial Flow. Air was water flow enter in sine directions. Wester continger sets. Wester continger sets. All deviates operation settlers at the responsibility of water. All deviates operation settlers at the responsibility of water. All deviates of the change of by but bit emperature of the primary air stream to the difference between the entering dry buble.						
Second Personal Processes Studies Studie	Engine Type Engine Type Engine Type Energy Source Evaporative Coder Cooler Type Air Pressure Drop Curve Effectiveness Table Flow Arrangement Heat Exchange Area Operation Emperature Range Water Press Drop Curve Water Requirement Effectiveness	Text Text Text Number Number Text Number Number Number Number Number Number Number Number	Water/CFM None Square Ft Degrees F PSI Gallons/Liters None	Square Cm Degrees C		The property enumeration defines the types of engine that may be specified within the property set. The source of energy a device that cooks af by saturating it with water vapor. An evaporative coder is a device that cooks af by saturating it with water vapor. The property enumeration defines the types of evaporative cooler that may be specified within the property set. An pressure drop as function of air flow rate. Total heat transfer effectiveness curve as a function of the primary air flow rate. Counter Pres. At and water flow enter in different directions. Counter Pres. At and water flow enter in same directions. An artificion Air and water flow enter in same directions. Alter description where the water is prescription of the counter is same directions. Water pressure drop as function of water flow rate. Make-up water requirement. Batto of the change in dry bulb temperature of the (primary) air stream to the difference between the entering dry bulb temperature of the (primary) air stream to the difference between the entering dry bulb temperature of the (primary) air stream to the difference between the entering dry bulb temperature of the (primary) air stream to the difference between the entering dry bulb temperature of the (primary) air stream to the difference between the entering dry bulb temperature of the (primary) air stream to the difference between the entering dry bulb temperature of the (primary) air stream to the difference between the entering dry bulb temperature of the (primary) air stream to the difference between the entering dry bulb temperature of the (primary) air stream to the difference between the entering dry bulb temperature of the (primary) air stream to the difference between the entering dry bulb temperature of the (primary) air stream to the difference between the entering dry bulb temperature of the (primary) air stream to the difference between the entering dry bulb temperature of the (primary) air stream to the difference between the entering dry bulb temperatur						
Water sump Temperature Vegerator Veg	Engine Type Engine Type Engine Type Energy Source Exercise Coder Cooler Type Air Pressure Drop Curve Effectiveness Table Flow Arrangement Heat Exchange Area Operation Temperature Range Water Requirement Water Requirement Effectiveness Effectiveness Effectiveness Effectiveness Effectiveness	Text Text Text Number Number Text Number Number Number Number Number Number	Water/CFM None Square Ft Degrees F PSI Gallons/Liters None BTU/Hr	Square Cm Degrees C		The property enumeration defines the types of engine that may be specified within the property set. The source of enemy. An exportative coder is a device that code is they saturating if with water vapor. The property enumeration defines the types of exporative coder that may be specified within the property set. Are pressure drop as function of air flow rate. Total hear transfer effectiveness curve as a function of the primary air flow rate. Counter Flow Ar and water flow verte is use as function of the primary air flow rate. Counter Flow Ar and water flow rate is use as a function of the primary air flow rate. Counter Flow Ar and water flow verte is use an effectivenes. Counter Flow Ar and water flow rate is use directions. Heat exchinge area. Allowable operations antifered air temperature range. Allowable operations antifered air temperature range. Allowable operations and the rate of water flow rate. Allowable operations and the rate of water flow rates. Allowable operations and the rate of water flow rates. Late of the charge in day bulb temperature of the (primary) air stream to the difference between the entering dry bulb temperature of the (primary) air and the wee-bulb temperature of the (primary) air and the wee-bulb temperature of the (primary) air stream to the difference between the entering dry bulb temperature of the (primary) air and the wee-bulb temperature of the (primary) air stream to the difference between the entering dry bulb temperature of the (primary) air and the wee-bulb temperat						
Evaporation Columnia Test	Engine Type Engine Type Energy Source Energy Source Exept Source Exposerative Coder Cooler Type Air Pressure Drop Curve Effectiveness Table Flow Arrangement Heat Exchange Area Operation Temperature Range Water Press Drop Curve Water Requirement Effectiveness Estendance Effectiveness Latent Heat Transfer Rate Sensible Heat Transfer Rate Sensible Heat Transfer Rate Total Heat Transfer Rate	Text Text Text Number Number Text Number Number Number Number Number Number Number Number	Water/CFM None Square Ft Degrees F PSI Gallons/Liters None BTU/Hr BTU/Hr	Square Cm Degrees C		The property enumeration defines the types of engine that may be specified within the property set. The source of energy a device that cooks af by saturating it with water vapor. An exportative coder is a device that cooks af by saturating it with water vapor. The property enumeration defines the types of evaporative cooler that may be specified within the property set. An pressure drop as function of air flow rate. Total heat transfer effectiveness curve as a function of the primary air flow rate. Counter Nov. As and water flow enter in different directions. An artificion. As and water flow enter in different directions. An artificion. As and water flow enter in same directions. Antificion of an advance flow enter in same directions. Water pressure drop as function of water flow rate. Water pressure drop as function of water flow rate. Also of the change in dry bulb temperature of the (primary) air stream to the difference between the entering dry bulb temperature of the difference who bulb temperature of the (secondary) air. Latent heat transfer rate to primary air flow.						
Evaporator Collant Test Collapsi used for the colouter in the equopator. Collapsi used from the colouter is used goal up to exchange these with refrigerant. Collapsi used from the colouter is used goal up to exchange these with refrigerant. Collapsi used from the colouter is used goal up to exchange these with refrigerant. Collapsi used from the colouter is used goal up to exchange these with refrigerant. Collapsi used from the colouter is used goal up to exchange these with refrigerant. Collapsi used from the colouter is used as the colouter is	Engine Type Engine Type Engine Type Energy Source Evaporative Coder Cooler Type Air Pressure Drop Curve Effectiveness Table Flow Arrangement Heat Exhange Area Operation Engineering Area Water Press Drop Curve Water Requirement Effectiveness Latent Heat Transfer Rate Sensible Need Transfer Rate Total Heat Transfer Rate Vater Transfer Rate Vater Manual Press Vater Vater Requirement University Common Vater Vater Requirement Effectiveness Latent Heat Transfer Rate Vater Sump Transfer Rate Vater Sump Temperature	Text Text Text Number Number Text Number Number Number Number Number Number Number Number	Water/CFM None Square Ft Degrees F PSI Gallons/Liters None BTU/Hr BTU/Hr BTU/Hr	Square Cm Degrees C Pa		The property enumeration defines the types of engine that may be specified within the property set. The source of energy and every set of the property set. An exportative coder is a device that code air by saturating it with water vapor. The property enumeration defines the types of evaporative coder that may be specified within the property set. Air pressure drop as function of air flow rate. Total heat transfer effectiveness curve as a function of the primary air flow rate. Counter Proe. Air and water flow enter in different directions. Counter Proe. Air and water flow enter in different directions. Consider Proe. Air and water flow enter in different directions. Consider Proe. Air and water flow enter in same directions. Water pressure drop as function of water flow rate. Water pressure drop as function of water flow rate. Water pressure drop as function of water flow rate. Air of the change in dry holls temperature of the (immary) air stream to the difference between the entering dry bulb temperature of the command of the constant of the						
Evaporator Collant Test Collapsi used for the colouter in the equopator. Collapsi used from the colouter is used goal up to exchange these with refrigerant. Collapsi used from the colouter is used goal up to exchange these with refrigerant. Collapsi used from the colouter is used goal up to exchange these with refrigerant. Collapsi used from the colouter is used goal up to exchange these with refrigerant. Collapsi used from the colouter is used goal up to exchange these with refrigerant. Collapsi used from the colouter is used as the colouter is	Engine Type Engine Type Engine Type Energy Source Evaporative Coder Cooler Type Air Pressure Drop Curve Effectiveness Table Flow Arrangement Heat Exhange Area Operation Engineering Area Water Press Drop Curve Water Requirement Effectiveness Latent Heat Transfer Rate Sensible Need Transfer Rate Total Heat Transfer Rate Vater Transfer Rate Vater Manual Press Vater Vater Requirement University Common Vater Vater Requirement Effectiveness Latent Heat Transfer Rate Vater Sump Transfer Rate Vater Sump Temperature	Text Text Text Number Number Text Number Number Number Number Number Number Number Number	Water/CFM None Square Ft Degrees F PSI Gallons/Liters None BTU/Hr BTU/Hr BTU/Hr	Square Cm Degrees C Pa		The property enumeration defines the types of engine that may be specified within the property set. The source of energy and every set of the property set. An exportative coder is a device that code air by saturating it with water vapor. The property enumeration defines the types of evaporative coder that may be specified within the property set. Air pressure drop as function of air flow rate. Total heat transfer effectiveness curve as a function of the primary air flow rate. Counter Proe. Air and water flow enter in different directions. Counter Proe. Air and water flow enter in different directions. Consider Proe. Air and water flow enter in different directions. Consider Proe. Air and water flow enter in same directions. Water pressure drop as function of water flow rate. Water pressure drop as function of water flow rate. Water pressure drop as function of water flow rate. Air of the change in dry holls temperature of the (immary) air stream to the difference between the entering dry bulb temperature of the command of the constant of the						
Comma Surface Area Number 15 ger Lb //m 3 ger Number 15 ger Lb //m 3 ger Lb /	Engine Type Engine Type Engine Type Energy Source Exapositive Coder Cooler Type Ast Pressure Drop Curve Effectiveness Table Flow Arrangement Heat Exchange Area Operation Temperature Range Water Press Drop Curve Water Requirement Effectiveness Latent that Transfer Rate Southeast Type Table Valer South Temperature Expension Exapositive Valer South Temperature Exapositive Exapo	Text Text Text Number Number Text Number	Water/CFM None Square Ft Degrees F PSI Gallons/Liters None BTU/Hr BTU/Hr BTU/Hr	Square Cm Degrees C Pa		The property enumeration defines the types of engine that may be specified within the property set. The source of energy and the property set of the source of energy and the source of the source of energy and the source of the source of energy and the source of energy a						
Sciental Surface Area Number Square Cm Number Square Cm Internal Surface area (Debt primary and secondary anal.) Internal Surface Area Number Square Cm Internal Surface Area Internal	Engine Type Engine Type Engine Type Energy Source Exempts Coder Coder Type Air Pressure Drop Curve Effectiveness Table Flow Arrangement Vest Schange Area Operation Temperature Range Water Regularement Effectiveness Latent Heat Transfer Rate Sensible Heat Transfer Rate Latent Heat Transfer Rate Sensible Heat Transfer Rate Sensible Heat Transfer Rate Exempts Heat Exempts	Text Text Text Text Number	Water/CFM None Square Ft Degrees F PSI Gallons/Liters None BTU/Hr BTU/Hr BTU/Hr	Square Cm Degrees C Pa		The property enumeration defines the types of engine that may be specified within the property set. The source of enemy a service that cooks in the ysaturating it with water vapor. An expostrate coder is a device that cooks in the ysaturating it with water vapor. Fich property enumeration defines the types of evaporative coder that may be specified within the property set. Are pressure drop as function of air flow rate. Footal heat transfer effectiveness curve as a function of the primary air flow rate. Counter Flow. Air and water flow vertex is used inferred directions. Counter Flow. Air and water flow vertex is used inferred directions. Counter Flow. Air and water flow vertex is used inferred directions. Counter Flow. Air and water flow vertex is used inferred directions. Air and large flow. Air and water flow vertex is used inferred directions. Indicate the direction of the counter flow. Air and water flow vertex is used in counter flow. Air and water flow vertex is used in counter flow. Air and water flow vertex is used in the counter flow. Air and water flow vertex is used in the counter flow vision. Alake-sure water requirement. Alake-sure water requirement. Alake-sure vertex requirement. Learn that the surface of the primary air stream to the difference between the entering dry bulb temperature of the (primary) air stream to the difference between the entering dry bulb temperature of the (primary) air and the web-bulb temperature of the (primary) air stream to the difference between the entering dry bulb temperature of the primary air sto by primary are flow. Vater sump temperature. An evaporator is a device which his liquid refrigerant is vaporited and absorbs heat from the surrounding fluid. Fichuporator						
Internal Refrigerant Volume Number Filiper Lip/map per Square Ch Internal Surface Area Number Square Ch Internal Surface Area Number Square Ch Internal Surface area. Internal Surface Area Number Square Ch Internal Surface area. Internal Surface Area Number Square Ch Internal Surface area. Internal Surface Area Number Square Ch Square Ch Nominal Heat Transfer Coefficient Number Square Ch Number Number Square Ch Number N	Engine Type Engine Type Engine Type Energy Source Exempts Coder Coder Type Air Pressure Drop Curve Effectiveness Table Flow Arrangement Vest Schange Area Operation Temperature Range Water Regularement Effectiveness Latent Heat Transfer Rate Sensible Heat Transfer Rate Latent Heat Transfer Rate Sensible Heat Transfer Rate Sensible Heat Transfer Rate Exempts Heat Exempts	Text Text Text Text Number	Water/CFM None Square Ft Degrees F PSI Gallons/Liters None BTU/Hr BTU/Hr BTU/Hr	Square Cm Degrees C Pa		The property enumeration defines the types of engine that may be specified within the property set. The source of energy a device that cooks at Py saturating it with water vapor. An exporative coder is a device that cooks at Py saturating it with water vapor. The property enumeration defines the types of evaporative coder that may be specified within the property set. Air pressure drop as function of air flow rate. Air pressure drop as function of air flow rate. Coulter Flow A and water flow were in selferent directions. Coustlow, Ar and water flow were in selferent directions. Coustlow, Ar and water flow and selferent directions. Parallel Flow. Air and water flow are man selferent directions. Water pressure drop as function of water flow rate. Water pressure drop as function of water flow rate. Water pressure drop as function of water flow rate. Allowable operation ambient air temperature range. Water pressure drop as function of water flow rate. Allowable operation ambient air temperature of the (primary) air stream to the difference between the entering dry builb temperature of the function of the secondary air. Latent that transfer rate to primary air flow. Latent that transfer rate to primary air flow. Total heat transfer rate to primary air flow. And exportant is a divice to which a liquid erfegerant is vaporited and absorbs heat from the surrounding fluid. Meters summe temperature divides the types of evaporator that may be specified within the property set. The fluid used for the coolain in the evaporator.						
Internal Marker Volume Number Source FL Source CN Number Source State Volume Number Source State Volume Number Source State Volume Number Source State State Volume Number Source State State State State State Cn Number Source State State State Company State State Cn Number State State State State State Cn Number State State State State State State State Cn Number State S	Engine Type Engine Type Engine Type Energy Source Exempositive Coder Cooler Type Air Pressure Drop Curve Effectiveness Table How Arrangement Describes Temperature Range Water Requirement Statistics Of the Common	Text Text Text Text Number Number Number Number Number Number Number Number Number Text Text Text	Water/CFM None Square Ft Degrees F PSI Gallons/Liters None BTU/Hr BTU/Hr Degrees F	Square Cm Decrees C Ps Decrees C		The property enumeration defines the types of engine that may be specified within the property set. The source of energy a device that cooks if by saturating if with water vapor. An exporative coder is a device that cooks if by saturating if with water vapor. The property enumeration defines the types of evaporative coder that may be specified within the property set. Are pressure drop as function of air flow rate. Total heat transfer effectiveness curve as a function of the primary air flow rate. Counter Flow. Air and water flow vate in some different directions. (Cosolflow. Air and water flow set in some directions.) Heat exchange area. Allowable operations entherst air temperature range. Allowable operations entherst air temperature range. Allowable operations and best to water flow vate. Allowable in a set of the primary air and the week-bulb temperature of the (primary) air stream to the difference between the entering dry bulb temperature of the (primary) air and the week-bulb temperature of the (primary) air and the week-bulb temperature of the (primary) air stream to the difference between the entering dry bulb temperature and primary air flow. Sensible heat transfer rate to primary air flow. Sensible heat transfer rate to primary air flow. Water sump temperature. An exponents to a device in byinniary air flow. Total heat transfer rate to primary air flow. Total heat transfer to primary air flow. Total heat transfer rate to primary air flow.						
Nominal New Foundation Nominal New Transfer Coefficient Number Nominal New Transfer Coefficient Number Nominal New Transfer Coefficient Number Number Nominal New Transfer Coefficient Number Number Nominal New Transfer Coefficient Number N	Engine Type Engine Type Engine Type Energy Source Evaporative Coder Cooler Type Air Pressure Drop Curve Effectiveness Table Flow Arrangement Heat Exchange Area Operation Engineering Water Press Drop Curve Water Requirement Effectiveness Lident Heat Transfer Rate Sensible Heat Transfer Rate Total Heat Transfer Rate Testal Heat Transfer Rate Engineering Exportance Coolant Exaporator Coolant Exaporator Coolant Exaporator Type Exaporator Coolant Exaporator Coolant Exaporator Coolant Exaporator Type Exaporator Coolant Exaporator Dept	Text Text Number Number Number Number Number Number Number Number Number Text Number	Water/CFM None Square Ft Degrees F PSI Gallors/Liters None BTU/Hr BTU/Hr BTU/Hr Degrees F Square Ft Ft3 per tb/m3 pet	Square Cm Degrees C Pa Degrees C Square Cm		The property enumeration defines the types of engine that may be specified within the property set. The source of energy a device that cooks at by saturating it with water vapor. An exporative coder is a device that cooks at by saturating it with water vapor. The property enumeration defines the types of evaporative coder that may be specified within the property set. Air pressure drop as function of air flow rate. Air pressure drop as function of air flow rate. Coulter Plays A and water flow were in different directions. Counter Plays A and water flow were in different directions. Counter Plays A and water flow were in different directions. Counter Plays A and water flow were in same directions. Allowable operation ambient air temperature range. Water pressure drop as function of water flow rate. Water pressure drop as function of water flow rate. Allowable operation ambient air temperature range. Water pressure drop as function of water flow rate. Allowable operation ambient air temperature of the (primary) air stream to the difference between the entering dry builb temperature of the twee-builb temperature of the (secondary) air. Latent that transfer rate to primary air flow. Total heat brander rate to primary air flow. Values used to the surface rate to primary air flow. For the property enumeration defines the types of evaporator that may be specified within the property set. The float used for the coolain in the evaporator. Cold Air Evaporator is using leaf to exchange heat with refrigerant. Cold Air Evaporator is using a role to exchange heat with refrigerant.						
Nominal heat Transfer Area Nominal heat Transfer Area Nominal heat Transfer Area Nominal heat Transfer Area Nominal heat Transfer Coefficient Number BUJHF2.67 Nominal heat Transfer Area Nominal heat Transfer Coefficient Nominal heat Tr	Engine Type Engine Type Engine Type Energy Source Evaposative Coder Cooler Type Air Pressure Drop Curve Effectiveness Table Flow Arrangement Heat Eschange Area Operation Temperature Range Water Press for Operation Water Requirement Effectiveness Latent Heat Transfer Rate Transfer Rate Water Reposition Under Requirement Under Requirement Effectiveness Latent Heat Transfer Rate Transfer Rate Water Samp Temperature Variety Samp Temperature Evaporator Evaporator Type Evaporator Coolent Evaporator Coolent Evaporator Type Evaporator Medium Type Esternal Refrigerant Volume Internal Refrigerant Volume	Text Text Number	Water/CFM None Square Ft Degrees F PSI Gallons/Lines STU/hr BTU/hr BTU/hr Degrees F Square Ft F13 per Llyma per	Squire Cm Degrees C Pa Degrees C Squire Cm		The property enumeration defines the types of engine that may be specified within the property set. The source of energy as device that cooks at by saturating it with water vapor. An exportative coder is a device that cooks at by saturating it with water vapor. The property enumeration defines the types of evaporative cooks that may be specified within the property set. Air pressure drop as function of air flow rate. Air pressure drop as function of air flow rate. Total heat transfer effectiveness come as a function of the primary air flow rate. Considers Air and evalues flow on the experimentation. Considers Air and water flow was perspendicular. Arrailed Flow. Air and water flow on the primary air flow rate. Water pressure drop as function of water flow rate. Water pressure drop as function of water flow rate. Water pressure drop as function of water flow rate. Water pressure drop as function of water flow rate. Bat of the change in dry bulb temperature of the (primary) air stream to the difference between the entering dry bulb temperature of the primary air flow. Latern the transfer rate to primary air flow. Total heat transfer rate to primary air flow. Total heat transfer rate to primary air flow. Total heat transfer rate to primary air flow. An exponetor is a device in which iliquid refrigerant is supported and absorbs heat from the surrounding fluid. Recovaporator is a device in which iliquid refrigerant to support water. The full need of one consists in the evaporator. Cold Air. Evaporator is a device in which is liquid refrigerant to the refresh. Letternsh under one consists in the evaporator. Cold Air. Evaporator is using air to exchange heat with refrigerant.						
Refrigerant Class U Test	Engine Type Engine Type Engine Type Energy Source Energy Source Expoporative Coder Cooler Type Air Pressure Drop Curve Effectiveness Table Flow Arrangement Heat Exchange Area Operation Engineering Engineering Water Press Drop Curve Water Requirement Effectiveness Under Press Drop Curve Under Press Drop Curve Under Press Drop Curve Under Press Drop Curve Type Under Press Drop Curve Exportation Exportation Codent Exportation	Text Text Text Number	Water(FM None None Square Ft Degrees F FS Galfors/Liters None STU/Ne STU	Square Cm Square Cm Square Cm		The property enumeration defines the types of engine that may be specified within the property set. The source of energy as service that cooks at Psy saturating it with water vapor. An exportative cooker is a service that cooks at Psy saturating it is with water vapor. The property enumeration defines the types of evaporative cooker that may be specified within the property set. An pressure drop as function of air flow rate. Total heart transfer effectiveness curve as a function of the primary air flow rate. Consillow. As and water flow enter is used inferred directions. Consillow. As and water flow enter is used inferred directions. Payable Flow. As an water flow enter is used inferred directions. Payable Flow. As an water flow enter is used inferred directions. Itelat exchange area. Alkowable operation ambient air temperature range. Water pressure drop as function of water flow rate. Water pressure drop as function of water flow rate. And the Congregation ambient air temperature range. Water pressure drop as function of water flow rates. And the Congregation ambient air temperature and the function of the function						
Performant Type Test Sefigement Table 1 Sef	Engine Type Engine Type Engine Type Energy Source Energy Source Vaporative Coder Cooler Type Air Pressure Drop Curve Effectiveness Table Flow Arrangement Heat Exchange Area Operation Temperature Range Water Press Drop Curve Water Requirement Effectiveness Toole Curve Water Requirement Effectiveness Under Transfer Rate Sensible Heat Transfer Rate Sensible Heat Transfer Rate Vater Sump Temperature Exportator Type Exportator Type Exportator Type Exportator Type Exportator Type Exportator Type Exportator Under Value Internal Markingers Area Internal Markingers Volume Internal Water Area Internal Water Lorder Rate Internal Markingers Area Internal Markingers Volume Internal Water Area Internal Water Lorder Nominal Netrice Area Internal Water Lorder Internal Water L	Text Text Text Number	Water(CFM None Square Ft Degrees F Gallonn/Liters GAILONN/Liters BTU/Ne	Square Cm Degrees C Degrees C Square Cm Square Cm Square Cm		The properly enumeration defines the types of engine that may be specified within the property set. An expansive coder is a device that code air by saturating it with water vapor. The property enumeration defines the types of evaporative coder that may be specified within the property set. All pressure drop as function of air flow rate. All pressure drop as function of air flow rate. Total heat transfer effectiveness curve as a function of the primary air flow rate. Consilion. Air and water flow wente in different directions. Consilion. Air and water flow wente in sate directions. Parallel Flow. A Ran water flow vente in sane directions. Ballowable operation ambient air temperature range. Water pressure drop as function of water flow vate. Water pressure drop as function of water flow vate. Water pressure drop as function of water flow vate. All consilions are considered to the primary air stream to the difference between the entering dry bulb temperature of the (primary) air stream to the difference between the entering dry bulb temperature of the function of the formacy of the function of the primary air flow. Tatel the transfer rate to primary air flow. Tatel the transfer rate to primary air flow. Tatel the transfer rate to primary air flow. Water sump temperature. An expansive for a device in which a liquid refrigerant is vaporited and absorbs heat from the surrounding fluid. The property enumeration defines the types of expansive that may be specified within the property set. The function of exponentine for flow of fluid to exchange heat with refrigerant. Cold burl Cooperator is using lead to exchange heat with refrigerant. Cold burlowed or exponentine fregerant ideal. Internal surface are societied with nominal overall heat transfer coefficient.						
Compressor Exportance Pressure Prop Number 951 Pa Personal Properties Paragraph Pressure Paragraph Pressur	Engine Type Engine Type Engine Type Energy Source Exeposetive Coder Cooler Type Air Pressure Drop Curve Effectiveness Table Flow Arrangement Nest Schange Area Operation Temperature Range Water Press One Curve Water Requirement Effectiveness Latent Heat Transfer Rate Sensible Heat Transfer Rate Sensible Heat Transfer Rate Water Samp Temperature Exeposetor Exaporator Type Exaporator Type Exaporator Type Exaporator Type Exaporator Type Exaporator Vale Exapor	Text Text Text Number	Water(CFM None Square Ft Degrees F Gallonn/Liters GAILONN/Liters BTU/Ne	Square Cm Degrees C Degrees C Square Cm Square Cm Square Cm		The property enumeration defines the types of engine that may be specified within the property set. An exportative coder is a device that cook at Psy saturating if with water vapor. An exportative coder is a device that cook at Psy saturating if with water vapor. An exportative coder is a device that cook at Psy saturating if with water vapor. Are pressure drop as function of air flow rate. Are pressure drop as function of air flow rate. Coulter Flow. An and water flow vente in different directions. Counter Flow. An water flow water set is made inferred directions. Counter Flow. An water flow water set is made directed directions. Counter Flow. An water flow water set is made directed directions. And water flow water set is made directed directions. Water storphage set. Advantation common shall make the counter flow. And water flow water set is made directed and water flow water set is made for the water flow water set is made for the water flow water set is made for the water flow water flow. And water flow water flow water flow is the water flow water flow water flow water flow is the water flow water flow is the water flow water flow water flow is the water flow water flow is the water flow water flow water flow is the water flow is the water flow flow water flow						
Compensor Exposition Pressure Orage Number PSI Pa Pressure drop between the evaporator outst and the compressor indet. Part Pressure of the pressure of the pressor indet. Part Pressure of	Engine Type Engine Type Engine Type Energy Source Energy Source Naporative Coder Cooler Type Air Pressure Drop Curve Effectiveness Table Flow Arrangement Heat Exchange Area Operation Temperature Range Water Press Drop Curve Water Requirement Effectiveness Under Drop Curve Water Requirement Effectiveness Latent Heat Transfer Rate Sensible Heat Transfer Rate Sensible Heat Transfer Rate Sensible Heat Transfer Rate Sensible Heat Transfer Rate Laporator Medium Type Exporator Codient Exporator Modelm Type Gaternal Surface Area Internal Mediace Area Internal Marker Area Internal Water Area Internal Water Lordner Nominal Heat Transfer Area Nominal Heat Transfer Coefficient Refrigerant Class	Text Text Text Number Text Text Text Number Number Number Number Number Number	Water(CFM None Square Ft Degrees F Gallonn/Liters GAILONN/Liters BTU/Ne	Square Cm Degrees C Degrees C Square Cm Square Cm Square Cm		The properly enumeration defines the types of engine that may be specified within the property set. The source of energy as which that cooks all by saturating it with water vapor. An exportative cooler is a device that cooks all by saturating it with water vapor. The property enumeration defines the types of evaporative cooler that may be specified within the property set. All pressure drop as function of air flow rate. All pressure drop as function of air flow rate. Cooline. All and water flow enter is an efferted directions. Consilion. All and water flow enter is an entergrated in the control of air flow rate. Consilion. All and water flow enter is an entergrated in the control of air flow rate. Consilion. All and water flow enter is an entergrated in the control of air flow rate. Parallel Flow. All and water flow enter is an entergrated in the control of air flow rate. Water pressure drop as function of water flow rate. Water pressure drop as function of water flow rate. Water pressure drop as function of water flow rate. All download operation ambient air temperature range. Water pressure drop as function of water flow rate. Sation flow change in dry build beingerature of the (primary) air stream to the difference between the entering dry build temperature and the weed-build temperature of the (incondishy als.) Sensible heat transfer rate to primary air flow. Sensible heat transfer rate to primary air flow. Water summe temperature. An exaporator fix a device in being a flow of						
Exporating Temperature Number Degrees	Engine Type Grigine Type Grigine Type Energy Source Energy Source Energy Source Energy Source Energy Source Are Pressure Drop Curve Effectiveness Table Flow Arrangement Heat Exchange Area Operation Experiment Range Water Press Drop Curve Water Requirement Effectiveness Under Press Drop Curve Water Requirement Effectiveness Sonible Heat Transfer Rate Sonible Heat Transfer Rate Sonible Heat Transfer Rate Experiment E	Text Text Number Text Text Text Number Number Number Number Number Number Number Number Number	Water(FAM None Square Ft Descree F Descree F Galloon/Uters None BTU/Ire BTU/Ire BTU/Ire BTU/Ire FT-Descree F Ft3 per by/map Square Ft Galloon/Uters Square Ft BTU/Ire Stuare Ft Square Ft Stuare Ft BTU/Ire Stuare Ft	Square Cm Degrees C Degrees C Square Cm Square Cm Square Cm		The property enumeration defines the types of engine that may be specified within the property set. The source of energy and service that cooks in the ysaturisting if with water vapor. An exportative coder is a device that cooks in the ysaturisting if with water vapor. The property enumeration defines the types of evaporative coder that may be specified within the property set. Are pressure drop as function of air flow rate. Total heat transfer effectiveness curve as a function of the primary air flow rate. Counter Flow. An water development of inferred directions. Counter Flow. An water development of inferred directions. Counter Flow. And water flow vente is used directed directions. Partial Flow. As and water flow vente is used directed directions. Vente continge ser. Advantage or an exposition of the primary air flow rate. Allowing the continue of the primary air flow rate. Allowing the property of the primary air flow rate. Allowing the property of the primary air flow rate. Allowing the property of the primary air flow rate. Allowing the property of the primary air flow rate. Allowing the property of the primary air flow rate. Allowing the property of the primary air flow rate. Allowing the property of the primary air flow rate. Allowing the property of the primary air flow the primary air stream to the difference between the entering dry bulb temperature of the primary air sto primary air flow. Sensible hat transfer rate to primary air flow. Sensible hat transfer rate to primary air flow. Water sump temperature. An expositor is a device to primary air flow. Total healt transfer rate to primary air flow. The property enumeration defines the types of evaporator that may be specified within the property set. The flux used of the cools into the evaporator from the surrounding fluid. Fichaporator is using a to exchange heat with refigerant. Cold Liquit Evaporator is using a to exchange heat with refigerant. Cold Liquit Evaporator is using a to exchange heat with refigerant. Cold						
State of heat Transfer Conflicient Number Number Number Number State of heat Transfer Conflicient associated with destroir surface area.	Engine Type Engine Type Engine Type Energy Source Exporative Coder Coolor Type Air Pressure Drop Curve Effectiveness Table Flow Arrangement Group Code Water Requirement Flow Code Water Requirement Effectiveness Latent Heat Transfer Rate Sensible Heat Transfer Rate Sensible Heat Transfer Rate Water Sump Temperature Exporator Type Exporator Codent Exporator Codent Exporator Codent Exporator Codent Exporator Codent Exporator Codent Exporator Uppe External Surface Area Internal Surface Area Internal Engine Codent Nominal Heat Transfer Area Refigerent Class Refigerent Class Refigerent Vegorator Pressure Orgo	Text Text Text Number Number Text Number Text Text Text Text Text Number	Water/CFM None Square Ft Descrees F Descrees F Gallons/Liters None BTU/Ire BTU/Ire BTU/Ire BTU/Ire STU/Ire Square Ft EB BTU/Ire Square Ft Square Ft Square Ft STU/Ire STU/Ire STU/Ire STU/Ire Square Ft Square Ft STU/Ire STU/	Square Cm Degrees C Pa Degrees C Square Cm Square Cm		The property enumeration defines the types of engine that may be specified within the property set. The source of energy as evice that cooks it by saturating it with water vapor. An exportative coder is a device that cooks after ystartisting it with water vapor. Fitch property enumeration defines the types of exportative coder that may be specified within the property set. Are pressure drop as function of air flow rate. Float heart transfer effectiveness cover as a function of the primary air flow rate. Counter Flow A: In an water flow wenter is used inferred directions. Counter Flow A: In an water flow wenter is used inferred directions. Counter Flow A: In an water flow wenter is used inferred directions. Parallea Flow, A: In an water flow enter is used inferred directions. Parallea Flow, A: In an water flow enter is used in a seminary and property in the property set. Next exchinge aire. All counter flow A: In an water flow enter is used in a seminary and						
Number STU/NF Sum of the refrigeration effect and the heat equivalent of the power input to the compressor.	Engine Type Grigine Type Grigine Type Grigine Type Energy Source Nepoporative Coder Coolor Type Air Pressure Drop Curve Effectiveness Table Flow Arrangement Heat Exchange Area Operation Engineering Area Operation Experiment Water Requirement Effectiveness Water Press Drop Curve Water Requirement Effectiveness Under Heat Transfer Rate Sensible Heat Transfer Rate Sensible Heat Transfer Rate Sensible Heat Transfer Rate Experiment Experi	Text Text Text Number Text Text Text Text Text Text Number	Water(FFM None Square FI Square FI Deserves F Sallors(Little) Gallors(Little)	Square Cm Degrees C Pa Degrees C Square Cm Square Cm		The properly enumeration defines the types of engine that may be specified within the property set. An expansive coder is a device that code as they saturating it with water vapor. Fit properly enumeration defines the types of evaporative coder that may be specified within the property set. Air pressure drop as function of air flow rate. Air pressure drop as function of air flow rate. Air pressure drop as function of air flow rate. Costillow. Air and water flow enter is different directions. Costillow. Air and water flow enter is an efferted directions. Costillow. Air and water flow enter is an efferted directions. All availated Flow. Air and water flow enter is used directions. Nate exchange area. All availated Flow. Air and water flow enter is used in a state direction. Water pressure drop as function of water flow rate. Water pressure drop as function of water flow rate. Water pressure drop as function of water flow rate. Water pressure drop as function of water flow rate. Air continues the change of the primary air stream to the difference between the entering dry bulb temperature of the (primary) air stream to the difference between the entering dry bulb temperature rate to primary air flow. Latern has it manifest in the proparty air flow. Water square temperature. Air exponence for a device in which a fliquid refrigerant to water flow rate. Water pressure from the primary air flow. Water square temperature. An exponence for a device in which a fliquid refrigerant is supported and absorbs heat from the surrounding fluid. The fluid used for the coolain in the evaporator. Cold Justic Evaporator is using leaf the present your benefit or an exponence of flow or device and absorbs heat from the surrounding fluid. Internal values of or supportative control was accounted with nominal overall heat transfer coefficient. Cold Justic Evaporator is using a risk to exchange heat with refrigerant. Cold Justic Evaporator is using a risk to exchange heat with refrigerant. Section of the propora						
Interior Neal Transfer Conflicent Number None Unsprimmer Man Transfer Long Filter Number None Number None Number None Number Num	Engine Type Engine Type Engine Type Engine Type Engine Type Engine Type Air Pressure Drop Curve Effectiveness Table Flow Arrangement Air Pressure Drop Curve Effectiveness Table Flow Arrangement Arrangement Arrangement Water Requirement Effectiveness Latent Heat Transfer Rate Sensible Heat Transfer Rate Sensible Heat Transfer Rate Sensible Heat Transfer Rate Intelligency Code Engineering Engine	Text Text Text Number Number Text Number Text Text Text Text Text Text Text Number	Water Ft Square Ft Descrees F Gallony Liters None BTU/Ire BTU/Ire BTU/Ire STU/Ire Square Ft EB per Is/Ira Square Ft Square Ft Square Ft Square Ft STU/IFF2 of) BTU	Square Cm Degrees C Pa Degrees C Square Cm Square Cm		The property enumeration defines the types of engine that may be specified within the property set. The source of energy as evice that cooks at Psystatristing it with water vapor. An exportative coder is a device that cooks at Psystatristing it with water vapor. Fitch personnel control of air flow rate. Are pressure drop as function of air flow rate. Fital heart transfer effectiveness cover as a function of the primary air flow rate. Counter flow. Air and water flow were in sum discrete directions. Counter flow. Air and water flow are in sum effections. Counter flow. Air and water flow are in sum effections. Parallel Flow. Air and water flow are in sum effections. Parallel Flow. Air and water flow are in sum effections. Natic primary air and water flow are in sum effections. All counter flows are in sum effections. Parallel Flow. Air and water flow are in sum effections. Air and a sum of the sum o						
Refregeant Fourties Resistance Number He-FQEY-FSTU Source resistance on the refregerant side. Source resistance on the resistanc	Engine Type Engine Type Engine Type Energy Source Energy Source Energy Source Energy Source And Pressure Drop Curve Effectiveness Table Flow Arrangement Heat Exchange Area Operation Temperature Range Water Press Drop Curve Water Press Drop Curve Water Press Drop Curve Water Press Drop Curve Water Press Drop Curve Water Press Drop Curve Water Press Drop Curve Water Press Drop Curve Table Press Drop Curve Water Press Drop Curve Water Press Drop Curve Under Press Drop Curve Expensed Press Expensed Press Expensed Medium Type External Surface Area Internal Medicy Endinger Area Internal Medicy Endinger Press Internal Surface Area Internal Medicy Endinger Press Internal Surface Area Internal Medicy Endougher Press Internal Surface Area	Text Text Text Number Number Text Number Text Text Text Text Text Text Text Text Text Number	Water(FFM None Square Ft Square Ft Destress PS Square Ft PS Gallens/Liness None BTU/H BTU/H BTU/H Square Ft Gallens/Liness Square Ft Squ	Square Cm Degrees C Pa Degrees C Square Cm Square Cm		The properly enumeration defines the types of engine that may be specified within the property set. An expansive coder is a service that code is a few saturating it with water vapor. Fig. 1 or 1 o						
U A curves Text UV = f (VEsterior, Vinterior), UV as a function of interior and exterior fluid flow velocity at the entrance. Water Fouring Resistance Number HH-F12*F/STU 0.00025 Fain is considered with imparts mechanical work on a gas. A typical usage of a fin is to induce airflow in a building services airfl Ffan Fan Fan Fan Fan Fan Fan Fan Fan Fan F	Engine Type Engine Type Engine Type Energy Source Evaporative Coder Cooler Type Air Pressure Drop Curve Effectiveness Table Flow Arrangement Heat Exchange Area Operation Temperature Range Water Press for Gurve Water Requirement Effectiveness Latent Heat Transfer Rate Sensible Heat Transfer Rate Sensible Heat Transfer Rate Exchange Area Operation Type Type United Parts Latent Heat Transfer Rate Sensible Heat Transfer Rate Sensible Heat Transfer Rate Exaporator Coolant Exaporator Exaporator Pressure Cool Exaporator Exaporator Pressure Cool Exaporator Exaporator Pressure Cool Exaporator Examer Coolent Exaporator Examer Coolent Exaporator Examer Coolent Exaporator Examer Examer Coolent Insterior New Transfer Coolent Insterior New Transfer Coolent Insterior New Transfer Coolent Exaporator Examer Examer Coolent Insterior New Transfer Coolent Insterio	Text Text Number	Water(FA) None Square FI Desrees F Galors/Line BTU/he BTU/he BTU/he Square FI F3 per Llyma per Square FI Square FI F3 per Llyma per Square FI Squa	Square Cm Degrees C Pg Degrees C Square Cm Square Cm Square Cm Degrees C		The property enumeration defines the types of engine that may be specified within the property set. An expostrate coder is a device that code is they saturating it with water vapor. An expostrate coder is a device that code is they saturating it with water vapor. An expostrate coder is a device that code is they set of expostrate coder that may be specified within the property set. Are pressure drop as function of air flow rate. Total heat transfer effectiveness cove as a function of the primary air flow rate. Consider. As and water flow enter is interested execution. Parallat Flow. As and water flow enter is interested execution. Parallat Flow. As an water flow enter is interested execution. Parallat Flow. As an interest of consideration and interested execution. Parallat Flow. As an interest of consideration and interested execution. Parallat Flow. As an interest of consideration and interested execution. Parallat Flow. As an interested on the interested execution. Parallat Flow. As an interest of consideration and interested execution. Parallat Flow. As an interest of consideration and interested execution. Parallated on the change area. Water pressure drop as function of water flow rate. Make our water requirement. Section is forward in an office water than in a consideration of the function of the						
Water Fouling Resistance Number 16-FE2TF/STU 0.000025 Conjung resistance on water/air side. A foul as resistance on water/air side. A foul as resistance on super-law side of the interval o	Engine Type Engine Type Engine Type Energy Source Energy Source Exposerative Coder Cooler Type Air Pressure Drop Curve Effectiveness Table Flow Arrangement Heat Exchange Area Operation Temperature Range Water Press Drop Curve Water Range Area Operation Temperature Range Water Press Drop Curve Water Range Great Water Press Drop Curve Type Water Press Drop Curve Type United Transfer Rate Sensible Heat Transfer Rate Intelligent Coder Water Sump Temperature Exposerator Exposerator Medium Type Exposerator Exposerator Medium Type External Surface Area Internal Medigenary Quinne Internal Surface Area Internal Media Transfer Coefficient Refrigerant Type Compression Exposerator Heat Gain Unique Sension Area Internal Media Transfer Coefficient Internal Section Area Internal Section Area Internal Media Transfer Coefficient Internal Section Area Internal	Text Text Text Number	Water(FFM None Square Ft Square Ft Degrees F FS FS Gallors/Lines None GTU/Hr GT	Square Cm Degrees C Pg Degrees C Square Cm Square Cm Square Cm Degrees C		The properly enumeration defines the types of engine that may be specified within the property set. An expansive coder is a service that code is an expansive coder that the types of engine that may be specified within the property set. An expansive coder is a service that code is a first set of the primary air flow rate. As pressure drop as function of air flow rate. As pressure drop as function of air flow rate. As pressure drop as function of air flow rate. Costifice. As and water flow enter is use as a function of the primary air flow rate. Consider. As and water flow enter is use as a function. Costifice. As and water flow enter is use discretification. Parallel Flow. As an water flow enter is use discretification. Parallel Flow. As an water flow enter is use discretification. Parallel Flow. As an water flow enter is use discretification. Parallel Flow. As an water flow enter is use discretification. Parallel Flow. As an water flow enter is use discretification. Parallel Flow. As an water flow enter is use discretification. Parallel Flow. As an water flow enter is used discretification. Parallel Flow. As an water flow enter is used discretification. Parallel Flow. As an water flow enter is used discretification. Parallel Flow. As an water flow enter is used discretification. Parallel Flow. As an water flow enter is used discretification. Parallel Flow. As an association of water flow vaste. Water surpressure drop as function of water flow vaste. Parallel Flow. As an association of water flow vaste. Parallel Flow. As an association of the primary air flow. Parallel Flow. As a state of primary air flow. Parallel Flow. As a state of primary air flow. Parallel Flow. As an user flow enter is used primary air flow. Parallel Flow. As an user flow enter is used primary air flow. Parallel Flow. As an user flow. Parallel Flow. As a manufacture is used primary air flow. Parallel Flow. As a manufacture is used primary air flow. Parallel Flow. As a manufacture is used primary air flow. Pa						
	Engine Type Engine Type Engine Type Engine Type Energy Source Exeposetive Coder Cooler Type Air Pressure Drop Curve Effectivenes Table Flow Arrangement Vest Eschange Area Operation Temperature Range Water Requirement Effectiveness Latent Heat Transfer Rate Sensible Heat Transfer Rate Sensible Heat Transfer Rate Engine Transfer Rate Sensible Heat Transfer Rate Exporator Coder Exporator Coder Exporator Coder Exporator Coder Exporator Vipe External Surface Area Internal Surface I	Text Text Number	Water(FFM None Square Ft Square Ft Degrees F FS FS Gallors/Lines None GTU/Hr GT	Square Cm Degrees C Pg Degrees C Square Cm Square Cm Square Cm Degrees C		The property enumeration defines the types of engine that may be specified within the property set. An expostrate coder is a device that code is they saturating if with water vapor. An expostrate coder is a device that code is they saturating if with water vapor. An expostrate coder is a device that code is they set of expostrate coder that may be specified within the property set. Are pressure drop as function of air flow rate. Total heat transfer effectiveness curve as a function of the primary air flow rate. Consider. Are and water flow enter is man discreted directions. Consider. Are and water flow enter is man effected directions. Consider. Are and water flow enter is man effected directions. And primarily an exposition water flow enter is man effected directions. And exposition and the streamy status range. Advised on promision water flow enter is used in the streamy status range. Advised on water requirement. Allow water requirement. Allow water requirement. Allow water requirement. Allow water requirement is the primary air and the web-doubt temperature of the (primary) air stream to the difference between the entering dry build temperature of the (primary) air and the web-doubt temperature of the (primary) air and the web-doubt temperature of the (primary) air and the web-doubt temperature of the (primary) air stream to the difference between the entering dry build temperature at the primary air flow. Intelligent that transfer rate to primary air flow. Sensible hat transfer rate to primary air flow. Total heat transfer rate to primary air flow. Water summe temperature. An expositor is a device to by primary air flow. Total heat transfer to by primary air the secondary area. The property enumeration defines the type						
(distribution system	Engine Type Engine Type Engine Type Energy Source Energy Source Exposerative Coder Cooler Type Air Pressure Drop Curve Effectiveness Table Flow Arrangement Heat Exchange Area Operation Temperature Range Water Press Drop Curve Water Range Area Operation Temperature Range Water Press Drop Curve Water Range Great Under Press Drop Curve Under Somp Temperature Exposerator Exposerator Wedom Type Exposerator Under	Text Text Text Number	Water(FFM None Square Ft Square Ft Square Ft	Square Cm Degrees C Pg Degrees C Square Cm Square Cm Square Cm Degrees C	0,0005	The property enumeration defines the types of engine that may be specified within the property set. An exportative coder is a device that cooks af by saturating if with water vapor. An exportative coder is a device that cooks af by saturating if with water vapor. An exportative coder is a device that cooks af by saturating if with may be specified within the property set. Are pressure drop as function of air flow rate. Total heat transfer directiveness cove as a function of the primary air flow rate. Counter Flow As and water flow one in same directions. Counter Flow As and water flow one in same directions. Counter Flow As and water flow one in same directions. Partial Flow, As and water flow one in same directions. Heat exchinge aires. Allowable operations antibient air temperature range. Allowable operations antibient air temperature in the same directions and the same						
	Engine Type Engine Type Engine Type Energy Source Energy Source Exposerative Coder Cooler Type Air Pressure Drop Curve Effectiveness Table Flow Arrangement Heat Exchange Area Operation Temperature Range Water Press Drop Curve Water Range Area Operation Temperature Range Water Press Drop Curve Water Range Great Under Press Drop Curve Under Somp Temperature Exposerator Exposerator Wedom Type Exposerator Under	Text Text Text Number	Water(FFM None Square Ft Square Ft Square Ft	Square Cm Degrees C Pg Degrees C Square Cm Square Cm Square Cm Degrees C	0.00025	The properly enumeration defines the types of engine that may be specified within the property set. An expansive coder is a service that code as the y saturating it with water vapor. The properly enumeration defines the types of evaporative coder that may be specified within the property set. An pressure drop as function of air flow rate. Total heat transfer effectiveness curve as a function of the primary air flow rate. Outsiden. As and water flow enter is used in the primary air flow rate. Ocusifion. As and water flow enter is used in set different directions. Orasifion. As and water flow enter is used in set directions. Parallel Flow. As and water flow enter is used in set directions. Iteat exchange area. Allowable operation ambient air temperature range. Water pressure drop as function of water flow rate. Water pressure drop as function of water flow rate. Water pressure drop as function of water flow vate. Rate of the change in dry bub temperature of the (primary) air stream to the difference between the entering dry bub function of the change in dry bub temperature and flow. Sensible best transfer rate to primary air flow. Sensible best transfer rate to primary air flow. Sensible best transfer rate to primary air flow. Water sump temperature. An expansator is a device in by minary air flow. The property enumeration defines the types of evaporator that may be specified within the property set. The full used for the coolse in it the evaporator. Out level to exponent or using level they are flow and the property enumeration defines the types of evaporator that may be specified within the property set. The full used for the coolse in it the evaporator of flow of flow of the coolse in the evaporator of flow of the coolse of the social pass the property of the coolse of the social pass the property of the coolse of the cool						

Fan Type Application Of Fan Capacity Control Type	Text														
	Text		_		The property enumeration defines the types of fan that may be specified within the property set. Supply Air: Return Air. The functional application of the fan.			 					+		
Capacity Control Type		_													
	Text				Inlet Vane: Control by adjusting inlet vane. Variable Speed Drive: Control by variable speed drive.		1	1							
					Variable Speed Drive: Control by variable speed drive. Blade Pitch Angle: Control by adjusting blade pitch angle.										
					Two Speed: Control by switch between high and low speed.										
					Discharge Damper: Control by modulating discharge damper.										
Coil Position	Text				Define the relationship between a fan and a coil.										
Discharge Pressure Loss			of Water	mm of Water	Fan discharge pressure loss associated with the discharge arrangement.										
Discharge Type	Text				Defines the type of connection at the fan discharge.										
					Duct: Discharge into ductwork.										
					Screen: Discharge into screen outlet.										
					Louver: Discharge into a louver.										
					Damper: Discharge into a damper.										
Discharge Velocity		r Feet/			The speed at which air discharges from the fan through the fan housing discharge opening.										
Drive Power Loss	Number	r Horse	epower		Fan drive power losses associated with the type of connection between the motor and the fan wheel.										
Efficiency Curve	Number				Fan efficiency =f (flow rate).										
			LM												
Fan Efficiency	Number		ercent		Fan mechanical efficiency.										
Fan Mounting Type Fan Power Rate	Text				Defines the method of mounting the fan in the building.										
Fan Rotation Speed	Number Number		RPM		Fan power consumption. Fan rotation speed										
		r BT			Fraction of the motor heat released into the fluid flow.										
Fraction Of Motor Heat To Ai Impeller Diameter	Number		Inch	mm	Diameter of fan wheel - used to scale performance of geometrically similar fans.								l		
Motor Drive Type	Text		iii.		Motor drive type:										
motor brite type	TEAL				DIRECT DRIVE: Direct drive.										
					BELT DRIVE: Belt drive.										
					COUPLING: Coupling.										
					OTHER: Other type of motor drive.		1	1							
					UNKNOWN: Unknown motor drive type.		1	1							
Motor Position	Text				Defines the location of the motor relative to the air stream.										
					In Airstream: Fan motor is in the air stream.		1	1							
		_			Out Of Air Stream: Fan motor is out of the air stream.			1							
Nominal Air Flow Rate	Number	r Cubic Fe	eet/Minute	Liter/Minute	Nominal air flow rate.		1	1							
							-	1							
Nominal Power Rate	Number	r Horse	epower		Nominal fan power rate.	+	+	1	 				-		
Nominal Rotation Speed		r R			Nominal fan wheel speed.	+ + + + + + + + + + + + + + + + + + + +	-	1	 	-	—	—	+		
Nominal Static Pressure				mm of Water	The static pressure within the air stream	+ + + + + + + + + + + + + + + + + + + +	-	1	 	-	—	—	+		
Nominal Total Pressure		r Inches r Deg		mm of Water	Nominal total pressure rise across the fan.	+	+	1			—	—			
Operation Temperature Rang	rge Number Number			Degrees C	Allowable operation ambient air temperature range.	+	+	1			—	—			
Operational Criteria Overall Efficiency	Number	r Hi	lours		Time of operation at maximum operational ambient air temperature. Total efficiency of motor and fan.	+ + + + + + + + + + + + + + + + + + + +	1	1		-			 	-	
Pressure Curve	Number	r Per	mm/CFM		Pressure rise = f (flow rate).	+ + + + + + + + + + + + + + + + + + + +	1	1		-			 	-	
Shaft Power Rate	Number	r Horse	enower		Fan shaft power.	+ + + + + + + + + + + + + + + + + + + +	+	 					 		
Wheel Tip Speed		r Feet/			Fan blade tip speed, typically defined as the linear speed of the tip of the fan blade furthest from the shaft.	+ + + + + + + + + + + + + + + + + + + +	+	 					 		
Centrifugal Fan	Number	. reey	,		Centrifugal fan occurrence attributes attached to an instance of a fan.										
Arrangement	Text				Defines the fan and motor drive arrangement as defined by AMCA.			+							
Direction Of Rotation	Text				Clockwise. Counter Clockwis The direction of the centrifugal fan wheel rotation when viewed from the drive side of the fan.		1	1							
Discharge Position	Text				Top Horizontal Top Angular Centrifugal fan discharge position										
Filter					A filter is an apparatus used to remove particulate or gaseous matter from fluids and gases.	lfcFilter									
Filter Type	Text				The property enumeration defines the types of filter that may be specified within the property set.										
Final Resistance				mm of Water	Filter fluid resistance when replacement is required		+	-		\vdash			\vdash		
Flow Rate Range	Number	r Cubic Fe	eet/Minute	Liter/Minute	Possible range of fluid flowrate that can be delivered.		1	1							
		1					1						1		
Initial Paristance		r Inches	of Water						t						
Initial Resistance	Number	r Inches	of Water	mm of Water	Initial new filter fluid resistance (i.e., pressure drop at the maximum air flowrate across the filter when the filter is new per										
				mm of Water	ASHRAE Standard 52.1).										
Nominal Filter Face Velocity	Number	r Feet/	/Minute		ASHRAE Standard 52.1). Filter face velocity.										
Nominal Filter Face Velocity Nominal Flowrate	Number Number	r Feet/ r Cubic Fe	/Minute eet/Minute	mm of Water Liter/Minute	ASHRAE Standard 52.1).										
Nominal Filter Face Velocity Nominal Flowrate Nominal Media Surface Veloc	Number Number socity Number	r Feet/ Cubic Fe	/Minute eet/Minute /Minute		ASHME Standard 5.2.1. Filter face velocity. Nominal fluid flow rate through the filter. Average fluid velocity at the media surface.										
Nominal Filter Face Velocity Nominal Flowrate Nominal Media Surface Veloc	Number Number socity Number	r Feet/	/Minute eet/Minute /Minute		ASHME Standard 52.1). Filter face vedocity. Nominal fluid flow rate through the filter. Average fluid vedocity at the media surface. Particle geometric mean diameter asociated with nominal efficiency.										
Nominal Filter Face Velocity Nominal Flowrate	Number Number Number Number Number Number Number	r Feet/ Cubic Fe	/Minute eet/Minute /Minute icrons		ASHME Standard 52.1). Filter face vedocity. Nominal fluid flow rate through the filter. Average fluid vedocity at the media surface. Particle geometric mean diameter asociated with nominal efficiency.										
Nominal Filter Face Velocity Nominal Flowrate Nominal Media Surface Veloc Nominal Particle Geometric Nominal Particle Geometric Nominal Particle Geometric Such State (Nominal Pressure Orop	Number Number Number Number Number Number Mean Diameter Number Standard Deviation Number Number	r Feet/ r Cubic Fe r Feet/ r Mii r Mii	/Minute eet/Minute /Minute icrons icrons s of Water	Liter/Minute	ASPRAE Standard S 2.1). Filter face vedocity. Nominal fluid flow rate through the filter. Average fluid velocity at the media surface. Particle geometric mean diameter associated with nominal efficiency. Particle geometric standard deviation associated with nominal efficiency. Total gressive drop across the filter. Total gressive drop across the filter.										
Nominal Filter Face Velocity Nominal Flowrate Nominal Media Surface Veloc Nominal Particle Geometric N Nominal Particle Geometric S Nominal Persture Brop Operation Temperature Rang	Number	r Feet/ r Cubic Fe r Feet/ r Mii r Mi r Inches r Deg	/Minute eet/Minute /Minute icrons icrons icrons icrons	Liter/Minute	ASPIRE Standard S.2.1.] Filter face velocity: Nominal fluid flow rate through the filter. Average fluid velocity at the media surface. Particle geometric mean diameter associated with nominal efficiency. Particle geometric annot diameter associated with nominal efficiency. Particle geometric standard evidentian associated with nominal efficiency. Total pressure drop across the filter. Allowable control annotation fluid temperature range.										
Nominal Filter Face Velocity Nominal Filter Face Velocity Nominal Particle Geometric Nominal Particle Geometric Nominal Particle Geometric Nominal Particle Geometric Nominal Pressure Drop Operation Temperature Rang Weight	Number	r Feet/ r Cubic Fe r Feet/ r Mi r Mi r Inches r Deg	/Minute eet/Minute /Minute icrons icrons i of Water grees F	Liter/Minute	ASPRAE Standard S 2.1.) Filter face vedocity. Nominal fluid flow rate through the filter. Average fluid velocity at the media surface. Particle geometric mean diameter associated with nominal efficiency. Particle geometric standard deviation associated with nominal efficiency. Particle geometric standard deviation associated with nominal efficiency. Total gressive drop across the filter. Allowable operation ambient fluid temperature range. Weget of filter.										
Nominal Filter Face Velocity Nominal Flowrate Nominal Media Surface Velo Nominal Particle Geometric Nominal Particle Geometric Nominal Particle Geometric S Nominal Pressure Drop Operation Temperature Rang Weight Counted Efficiency	Number	r Feet/ r Cubic Fe r Feet/ r Mi r Mi r Inches r Deg r Lb:	/Minute eet/Minute /Minute icrons icrons s of Water grees F ss/Kgs	Liter/Minute	ASPIRE Standard S.2.1.) Filter face velocity: Nominal fluid flow rate through the filter. Average fluid velocity at the media surface. Average fluid velocity at the media surface. Particle generatic mean diameter associated with nominal efficiency. Particle generatic mean diameter associated with nominal efficiency. Italia pressure drop across the filter. Allowables operation ambient fluid temperature range. Weight of filter. Filter efficiency Filter efficiency										
Nominal Filter Face Velocity Nominal Flowrate Nominal Media Surface Veloc Nominal Particle Geometric Nominal Particle Geometric S Nominal Particle Geometric S Nominal Pressure Drop Operation Temperature Rang Weight Counted Efficiency Particle Mass Holding	Numbee	r Feet/ r Cubic Fe r Feet/ r Mi r Mi r Inches r Deg r Lb: r Pe r Gr	/Minute eet/Minute /Minute icrons icrons icrons s of Water grees F ss/Kgs ercent irams	Liter/Minute	ASPAE Standard 52.1). Filter face vedocity. Nominal fluid flow rate through the filter. Average fluid vedocity at the media surface. Particle geometric mean diamener associated with nominal efficiency. Particle geometric standard deviation associated with nominal efficiency. Particle geometric standard deviation associated with nominal efficiency. Total pressure or opa cross the filter. Allowable operation ambient fluid temperature range. Weight of filter. Filter efficiency Mass of particle bolding in the filter.										
Nominal Filter Face Velocity Nominal Flowrate Nominal Rowate Nominal Media Surface Velocit Nominal Particle Geometric I. Nominal Particle Geometric II. Nominal Particle Geometric II. Nominal Particle Geometric II. Nominal Particle Geometric II. Nominal Particle Geometric III. Velopit Counted Efficiency Particle Mass Holding Weights Geometric III. Nominal Particle Mass Holding Weights Geometric III. Nominal Particle Geometric III. Nom	Number	r Feet/ r Cubic Fe r Feet/ r Mi r Mi r Inches r Deg r Lb: r Pe r Gr	/Minute eet/Minute /Minute icrons icrons icrons s of Water grees F ss/Kgs ercent irams	Liter/Minute	ASPIRE Standard S.2.1.) Filter face velocity. Nominal fluid flow rate through the filter. Average fluid velocity at the media surface. Average fluid velocity at the media surface. Average fluid velocity at the media surface. Average geometric standard deviation associated with nominal efficiency. First efficiency. Mass of particle holding in the filter. Filter efficiency.										
Nominal Filter Face Velocity Nominal Flowate Nominal Media Surface Veloc Nominal Particle Geometric Sometric Nominal Particle Geometric Geom	Numbeel	r Feet/ r Cubic Fe r Feet/ r Mis r Mis r Inches r Deg r Lb: r Ge r Pe	/Minute eet/Minute /Minute icrons icrons icrons s of Water grees F ss/Kgs ercent irams	Liter/Minute	ASPIAE Standard 52.1). Filter face vedocity. Nominal fluid flow rate through the filter. Average fluid velocity at the media surface. Particle geometric mean diameter associated with nominal efficiency. Particle geometric standard deviation associated with nominal efficiency. Total gressure drop across the filter. Allowable operation ambient fluid temperature range. Weight of filter. Filter efficiency Mass of particle boding in the filter. Filter efficiency Alar particle filter type attributes.										
Nominal Filter Face Velocity Nominal Flowarte Nominal Media Surface Velocit Nominal Media Surface Velocit Nominal Particle Geometric It Nominal Particle Information Nominal Particle Information Particle Mass Holding Weighte Geometric It Weighte Geometric It Nominal Information It Nominal Particle Information It	Number Nu	r Feet/ r Cubic Fe r Feet/ r Mi r Mi r Mi r Deg r Lb: r Pe r F	/Minute eet/Minute /Minute icrons icrons is of Water grees F ss/Kgs ercent rams ercent	Liter/Minute	ASPIRES Standard S.2.1.) Filter face velocity, Nominal fluid flow rate through the filter. Average fluid velocity at the media surface, Particle geometric reason disunterior associated with nominal efficiency, Particle geometric standard deviation associated with nominal efficiency, Weight of filter. Filter efficiency Mass of particle holding in the filter, Filter efficiency Association of the standard										
Nominal Filter Face Velocity Nominal Flowarde Nominal Media Surface Veloc Nominal Particke Geometric Nominal Particke Geometric Nominal Particke Geometric Nominal Particke Geometric Sometric Velocity Nominal Particke Geometric Sometric Sometric Velocity Operation Temperature Rang Weight Counted Efficiency Particke Mass Holding Weighted Efficiency Air Filter Air Particke Filter Type Counted Efficiency Counted Efficiency Counted Efficiency Air Filter Air Particke Filter Type Counted Efficiency Counted E	Numbee Numbee Numbee Numbee Numbee Nandard Deviation Numbee Sandard Deviation Numbee Sandard Deviation Numbee	r Feet/r Cubic Fe r Feet/r Min r Min r Inches r Lbb r Per r Pe r Pe r Pe r Pe r Pe r Pe r P	/Minute eet/Minute ////////////////////////////////////	Liter/Minute	ASPAE Standard S 2.1). Filter face vedocity. Nominal fluid flow rate through the filter. Average fluid velocity at the media surface. Particle geometric mean diameter associated with nominal efficiency. Particle geometric standard deviation associated with nominal efficiency. Particle geometric standard deviation associated with nominal efficiency. Total gressure drop across the filter. Allowable operation ambient fluid temperature range. Weight of filter. Filter efficiency Mass or purchic holding in the filter. Filter efficiency All practice filter type attributes. Coarse Filter, Coarse Metal. A pared dry type extended surface filter is a dry-type air filter. Counted efficiency curve as a function of dust holding weight										
Nominal Filter Face Velocity Nominal Flowarte Nominal Media Surface Velocit Nominal Media Surface Velocit Nominal Particle Genometric II. Nominal Particle Genometric III. Nominal Particle Genometric III. Nominal Particle Genometric III. Operated Surface Report Surface Venight Countred Efficiency Particle Mass Holding Weight General Efficiency Air Filter Air Particle Filter Type Countred Efficiency Curre Operated Surface Surface III. Operated Surface Surface III. Operated Surface Surface III. Nominal Particle III. Nominal P	Number Nu	r Feet/r Cubic Fe r Feet/r Min r Min r Inches r Deg r Lb: r G r G r G r G r G r G r Pe r G r G r Pe r G r G r G r Pe r G r G r G r G r G r G r G r G r G r G	/Minute eet/Minute /Minute icrons icr	Liter/Minute mm of Water Degrees C	ASPIAE Standard S.2.1.) Filter face velocity. Nominal fluid flow rate through the filter. Average fluid velocity at the media surface. Average fluid velocity at the media surface. Avrice geometric standard devolution associated with nominal efficiency. Particle geometric standard devolution associated with nominal efficiency. Average geometric standard devolution associated with nominal efficiency. Particle geometric standard devolution associated with nominal efficiency. Average geometric standard devolution associated with nominal efficiency. Weight of filter. Filter efficiency Mass of particle holding in the filter. Filter efficiency All particle filter type stratification. Coanse Filter, Coanse Mall. A particle filter type stratification for such policy segret. Counted efficiency cause as function of dust holding weight Massimum filter dust holding account.										
Nominal Filter Face Velocity Nominal Flowarde Nominal Media Surface Veloc Nominal Portice Geometric Nominal Particle Geometric Nominal Particle Geometric Nominal Particle Geometric Somminal Particle Fiftency Particle Mass Hodding Capability Air Particle Fiftency Curve Dust Hodding Capability Face Surface Area Surface Area	Numbee Number Number Number Mean Dameter Number Standard Deviation Number Sandard Deviation Number Number Number Number Text Rumber Number Parent Par	r Feet/r Cubic Fer Feet/r Feet/r Feet/r Feet/r Feet/r Mis Fer Mis Fer Mis Fer Dege Fer Fer Fer Fer Fer Fer Fer Fer Fer Fe	/Minute eet/Minute /Minute icrons icr	Liter/Minute	ASPIAE Standard S 2.1.) Filter face vedocity. Nominal fluid flow rate through the filter. Average fluid velocity at the media surface. Particle geometric mean diameter associated with nominal efficiency. Particle geometric standard deviation associated with nominal efficiency. Particle geometric standard deviation associated with nominal efficiency. Total gressure drop across the filter. Allowable operation ambient fluid temperature range. Weight of filter. Filter efficiency Mass of particle holding in the filter. Filter efficiency Air particle filter type attributes. Coarse Filter, Coarse Metal. Jamei dry type extended surface filter is a dry-type air filter Counted efficiency curve as a function of dust holding weight Maximum filter dust holding capacity. Face are of filter frame.										
Nominal Filter Face Velocity Nominal Flowarte Nominal Media Surface Velocit Nominal Particle Geometric K Particle Mass Holding Particle Mass Holding Particle Mass Holding Are Particle Filter Type Counted Efficiency Curve Outs Holding Capacity Face Surface Area Farne Material	Number Number	r Feet/r Cubic Fe r Cubic Fe r Cubic Fe r Feet/r Mi r Mi r Mi r Inches r Deg r Pe r Pe r Pe r Pe r Gr r Gr r Gr r Squa	/Minute eet/Minute icrons icrons icrons icrons a of Water grees F ss/Kgs ercent irams ercent ent/Gram arams arams arams arams	Liter/Minute mm of Water Degrees C Square mm	ASPIAE Standard S.2.1.) Filter face velocity, Nominal fluid flow rate through the filter. Average fluid velocity at the media surface. Average fluid velocity at the media surface. Particle geometric mean disunterir associated with nominal efficiency. Particle geometric standard deviation associated with nominal efficiency. Weight of filter. Standard flow flow flow flow flow flow flow flow										
Nominal Filter Face Velocity Nominal Flowate Venezia Media Surface Veloci Sominal Particle Geometric Nominal Particle Geometric Nominal Particle Geometric Nominal Particle Geometric Nominal Persoure Prorp Operation Temperature Rang Weight Counted Efficiency Particle Mass Holding Weight of Officiency Air retter Counted Efficiency Air retter Counted Efficiency Air retter Counted Efficiency Out Holding Capachy Face Surface Area Frame Material Media Scandard Area Frame Material	Numbee Number Nu	r Feet/r Cubic Fe r Feet/r Militar r Militar r Militar r Inches r Lb: r Per r Gr r Per r Gr r Squa r Squa r Squa r Cubic Fe r Feet/r Fe	/Minute eet/Minute //Minute eet/Minute //Minute icrons icrons icrons of Water grees F ss/kgs ercent erams ercent erams ercent arams are inch	Liter/Minute mm of Water Degrees C	ASPIRE Standard S.2.1.) Filter face velocity: howman fluid flow rate through the filter. Nominal fluid flow rate through the filter. Average Turk standard velocity at the media surface. Particle georetic meni diameter associated with nominal efficiency. Particle georetic standard eviolation associated with nominal efficiency. Total pressure drop across the filter. Allowable control standard eviolation associated with nominal efficiency. Total pressure drop across the filter. Allowable control standard eviolation associated with nominal efficiency. Weight of filter. Filter efficiency Mass of particle holding in the filter. Filter efficiency Aparticle filter type attributies. Coanse Filter, Coanse Metal. Aparticle filter type attributed filter is a dry-type air filter Counted efficiency cause as a function of dust holding weight Sea ex series of filter fruins. Filter frame material. Total stendard media area.										
Nominal Filter Face Velocity Nominal Flowarte Nominal Media Surface Velocit Nominal Particle Geometric K Particle Mass Holding Particle Mass Holding Particle Mass Holding Are Particle Filter Type Counted Efficiency Curve Outs Holding Capacity Face Surface Area Farne Material	Numbee Number Nu	r Feet/r Cubic Fe r Feet/r Militar r Militar r Militar r Inches r Lb: r Per r Gr r Per r Gr r Squa r Squa r Squa r Cubic Fe r Feet/r Fe	/Minute eet/Minute icrons icrons icrons icrons a of Water grees F ss/Kgs ercent irams ercent ent/Gram arams arams arams arams	Liter/Minute mm of Water Degrees C Square mm	ASRIAE Standard S2.1). Filter face velocity. Nominal fluid flow rate through the filter. Average fluid velocity at the media surface. Particle geometric mean diameter associated with nominal efficiency. Particle geometric mean diameter associated with nominal efficiency. Particle geometric standard develotion associated with nominal efficiency. Total presource drop across the flittle. Allowable operation analone fluid temperature range. Velogite of first. Allowable operation analone fluid temperature range. Velogite of first. Enter efficiency. All products of the first. Enter efficiency and particle filter flow attributes. Coarse Filter, Coarse Mall. A panied syny extended surface filter is a dny-type air filter Coarse Filter, Coarse Mall. A panied syny extended surface filter is a dny-type air filter Counted efficiency can ex a function of dust holding weight Maximum filter dust holding capacity. Exact area of filter frame material. Total extended media area. Nominal filter efficiency base the particle count concentration before and after the filter against particles with a certain size.										
Nominal Filter Face Velocity Nominal Flowarte Nominal Flowarte Nominal Media Surface Velocity Nominal Filter Face Velocity Nominal Filter Face Velocity Nominal Filter Face Velocity Nominal Filter Filter Nominal Filter Nominal Filter Velocity Filter Counted Efficiency Filter Are Filter Are Filter Are Filter Are Filter Counted Efficiency Counted Efficiency Are Filter Are Filter Are Filter Are Filter Are Souther Keep Media Gandend Med	Number Nu	r Feet/r Cubic Fe r Cubic Fe r Feet/r Militar r Militar r Militar r Inches r Deg r Lbb r Per r Per r Per r G r G r G r G r G r Per r Per r Per r Squa r Squa r Pe	/Minute eet/Minute eet/Minute icrons	Liter/Minute mm of Water Degrees C Square mm	ASPIRE Standard S.2.1). Filter face velocity: howman fluid flow rate treviolity the filter. Nominal fluid flow rate treviolity the filter. Average Turk velocity at the readis surface. Particle generatis: make illument associated with nominal efficiency. Particle generatis: make illument associated with nominal efficiency. Intel pressure drop across the filter. Allowable coemition ambient fluid temperature range. Weight of filter. Filter efficiency Mass of particle holding in the filter. Filter efficiency The particle filter type attributes. Coanse Filter, Coanse Metal A particle filter sign attribute filter is a dry-type air filter Counted efficiency curve as a function of dust holding weight Maximum filter boat holding cause filter from. Filter efficiency curve as a function of dust holding weight Maximum filter boat holding cause filter from. Filter efficiency curve as a function of fluid holding weight Total executed media area. Nominal filter efficiency based the particle count concentration before and after the filter against particles with a certain size distribution.										
Nominal Filter Face Velocity Nominal Flowate Venezia Media Surface Veloci Sominal Particle Geometric Nominal Particle Geometric Nominal Particle Geometric Nominal Particle Geometric Nominal Persoure Prorp Operation Temperature Rang Weight Counted Efficiency Particle Mass Holding Weight of Officiency Air retter Counted Efficiency Air retter Counted Efficiency Air retter Counted Efficiency Out Holding Capachy Face Surface Area Frame Material Media Scandard Area Frame Material	Number Nu	r Feet/r Cubic Fe r Cubic Fe r Feet/r Militar r Militar r Militar r Inches r Deg r Lbb r Per r Per r Per r G r G r G r G r G r Per r Per r Per r Squa r Squa r Pe	/Minute eet/Minute //Minute eet/Minute //Minute icrons icrons icrons of Water grees F ss/kgs ercent erams ercent erams ercent arams are inch	Liter/Minute mm of Water Degrees C Square mm	ASPIAE Standard S2.1). Filter face velocity. Nominal fluid flow rate through the filter. Average fluid velocity at the media surface. Particle geometric mean diameter associated with nominal efficiency. Particle geometric mean diameter associated with nominal efficiency. Particle geometric standard develotion associated with nominal efficiency. Total precision drop across the flitter. Allowable operation analone fluid temperature range. Velogite of flore. Allowable operation analone fluid temperature range. Velogite of flore. State efficiency. Filter efficiency. All particle filter flore attributes. Coarse Filter, Coarse Mall. A panel dry was extended surface filter is a dry-type air filter. Coarse Filter, Coarse Mall. A panel dry was extended surface filter is a dry-type air filter. Counted efficiency can ex a function of dust holding weight Maximum filter dust holding capacity. Face area of filter frame material. Total extended media area. Nominal filter efficiency based the particle count concentration before and after the filter against particles with a certain size distribution.										
Nominal Filter Face Velocity Nominal Flowarte Nominal Media Surface Velocit Nominal Media Surface Velocit Nominal Media Surface Velocit Nominal Persiste Genomete & & Nominal Persiste Genomete & Nominal Weight Counted Efficiency Air Filter Air Particle Mass Holding Air Filter Air Particle Filter Type Counted Efficiency Curve Dust Holding Capacity Face Surface Area Frame Material Media Exercicle Area Nominal Counted Efficiency Nominal Weighted Efficie Nominal Weighted Efficie	Number Nu	r Feety'r Cubic Feety'r Missis Feety'r Missis Feety'r Missis Feety'r Missis Feety'r Missis Feety'r Missis Feety'r Peety Feety	/Minute eet/Minute icrons icro	Liter/Minute mm of Water Degrees C Square mm Square mm	ASPIAE Standard S.2.1). Filter face velocity. Nominal fluid flow rate through the filter. Average fluid velocity at the media surface. Average fluid velocity at the media surface. Average generatic mean diameter associated with nominal efficiency. Particle generatic mean diameter associated with nominal efficiency. Italia pressure drop across the filter. Allowable operation ambient fluid temperature range. Weight of filter. Filter efficiency Mass of particle holding in the filter. Filter efficiency Mass of particle filter type attributes. Coarne Filter , Coarne Metal A particl by the extended surface filter is a dry-type air filter Counted efficiency surface filter from the filter filter superature filter is a dry-type air filter Counted efficiency survey as a function of flust holding weight Maximum filter fount holding weight Maximum filter dust holding cause filter is a dry-type air filter Filter farine menterial. Total extended media draw. Filter farine menterial. Total extended media draw efficiency based the particle count concentration before and after the filter against particles with a certain size destributions.										
Nominal Filter Face Velocity Nominal Flowarde Nominal Flowarde Nominal Flowarde Nominal Powite Geometric Nominal Particle Geometric Operation Temperature Rang Weight Counted Efficiency Fartner Fartner Filter Filter Fartner	Number Nu	r Feet/r Cubic Feet/r Guice Feet/r Militar Militar Inches Feet/r Deg r Deg r Lb:r Deg r Perer Perer Feet Feet Feet Feet Feet Feet Feet	/Minute eet/Minute eet/Minute icrons	Liter/Minute mm of Water Degrees C Square mm	ASPIAE Standard S2.1). Filter face velocity. Nominal fluid flow rate through the filter. Average fluid velocity at the media surface. Particle geometric mean diameter associated with nominal efficiency. Particle geometric mean diameter associated with nominal efficiency. Particle geometric standard deviation associated with nominal efficiency. Particle efficiency Particle										
Nominal Filter Face Velocity Nominal Flowarte Nominal Media Surface Velocity Nominal Media Surface Velocity Nominal Media Surface Velocity Nominal Persist Genometric II. Surface Velocity Surface Velocity Nominal Presist Genometric Surface Nominal Presist Genometric Surface Velocity Nominal Presist Genometric Surface Velocity Facticle Mass Holding Weight Counted Efficiency Air Filter Air Particle Filter Type Counted Efficiency Curve Outs Holding Capacity Face Surface Area Farme Material Media Extended Area Nominal Counted Efficiency Nominal Weighted Efficie Pressure Drop Curve Separation Type	Number Sandard Ceviston Number Sandard	r Feet/r Cubic Feet r Cubic Feet r Cubic Feet r Misr Misr r Misr r Inches r Inches r Peer r Peer r Peer r Squar r Squar r Squar r Squar r Peer	/Minute eet/Minute icrons icro	Liter/Minute mm of Water Degrees C Square mm Square mm	ASPIAE Standard S.2.1). Filter face velocity. Nominal fluid flow rate through the filter. Average fluid velocity at the media surface. Average fluid velocity at the media surface. Average fluid velocity at the media surface. Average geometric standard elevation associated with nominal efficiency. Particle geometric standard elevation associated with nominal efficiency. Average geometric standard elevation associated with nominal efficiency. All coulties geometric standard elevation associated with nominal efficiency. All coulties generation arribleare fluid temperature range. Weight of filter. Filter efficiency Mass of particle folding in the filter. Filter efficiency Associated filter from the filter. Filter efficiency Associated filter from the filter. Counted efficiency curve as a function of dust holding weight Maximum filter dust holding capativ. Filter fraine material. Total extended media vars. Nominal filter efficiency based the particle count concentration before and after the filter against particles with a certain size distribution. Under certain dust holding weight Coelernated on and after the filter against particles with a certain size distribution. Under certain dust holding weight Coelernated on the filter form and after the filter against particles with a certain size distribution. Under certain dust holding weight Coelernated on the flowated) As particles filter media separation type.										
Nominal Filter Face Velocity Nominal Flowate Ventral Media Surface Veloc Sominal Particle Geometric Nominal Particle Geometric Nominal Particle Geometric Nominal Particle Geometric Nominal Persoure Prorp Operation I remperature Rang Weight Counted Efficiency Particle Mass Holding Weight Geometric Name Velopit Counted Efficiency Air Intel® Counted Efficiency Air Intel® Counted Efficiency Onth Holding Capachy Face Surface Area Frame Material Media Extended Area Nominal Counted Efficiency Personer Drop Curve Separation Type Weighted Efficiency Weighted Wei	Number Nu	r Feet/r Cubic Fe r Feet/r Min Fe	/Minute eet/Minute icrons icro	Liter/Minute mm of Water Degrees C Square mm Square mm	ASPIRE Standard S.2.1.) Filter face vedority howman full of flow rate two districts of the common full of flow rate two districts of the common full of flow rate two districts of the common full of flow rate two districts of the common full of flow rate f										
Nominal Filter Face Velocity Nominal Flowarte Nominal Media Surface Velocity Nominal Media Surface Velocity Nominal Media Surface Velocity Nominal Persist Genometric II. Surface Velocity Surface Velocity Nominal Presist Genometric Surface Nominal Presist Genometric Surface Velocity Nominal Presist Genometric Surface Velocity Facticle Mass Holding Weight Counted Efficiency Air Filter Air Particle Filter Type Counted Efficiency Curve Outs Holding Capacity Face Surface Area Farme Material Media Extended Area Nominal Counted Efficiency Nominal Weighted Efficie Pressure Drop Curve Separation Type	Number Nu	r Feet/r Cubic Fe r Feet/r Min Fe	/Minute eet/Minute icrons icro	Liter/Minute mm of Water Degrees C Square mm Square mm	ASSIAE Standard S.2.1). Filter face velocity. Nominal fluid flow rate through the filter. Average fluid velocity at the media surface. Average fluid velocity at the media surface. Average fluid velocity at the media surface. Average geometric standard deviation associated with nominal efficiency. Particle geometric standard deviation associated with nominal efficiency. Average geometric standard deviation associated with nominal efficiency. Average fluid velocity and surface fluid standard with nominal efficiency. Weight of floer. Filter efficiency. Mass of particle holding in the filter. Filter efficiency. Average fluid velocity and surface fluid standard fluid fluid standard fluid standard fluid fluid standard fluid standard fluid standard fluid fl										
Nominal Filter Face Velocity Nominal Flowarte Nominal Media Surface Velocity Nominal Particle Geometric K Nominal Fresture Engl Veright Counted Efficiency Air Filter Air Particle Mass Holding Geometric K Air Particle Mass Holding Air Filter Air Particle Filter Type Counted Efficiency Curve Dast Holding Capacity Face Surface Area Nominal Counted Efficiency Compressation Type Weighted Efficiency Compressation Type Meghate Efficiency Curve Compressation Type Meghate Effici	Number Standard Deviation Number Standard Stan	r Feet/r Cubic Feet/r Cubic Feet/r Feet/r Misr Missing Feet/r Misr Missing Feet/r Peer Feet/r Peer Feet/r Squar Squar Feet/r Peer Feet/r P	/Minute eet/Minute icrons icro	Liter/Minute mm of Water Degrees C Square mm Square mm	ASPIRET Standard S 2.1.) Filter face vedority howman fluid flow rate treatment and the control of the control										
Nominal Filter Face Velocity Nominal Flowarte Nominal Media Surface Velocity Nominal Media Surface Veloc Nominal Media Surface Veloc Nominal Media Surface Veloc Nominal Perick Genomete S. Nominal Velopit Counted Efficiency Air Filter Air Particle Mass Holding Weighte Efficiency Air Filter Air Particle Mass Holding See Surface Area Frame Material Media Extended Area Nominal Counted Efficiency Nominal Counted Efficiency Pressure Drop Curve Separation Type Weighted Efficiency Curve	Number Standard Deviation Number Standard Stan	r Feet/r Cubic Fe r Cubic Fe r Cubic Fe r Feet/r Min r Per r	/Minute eet/Minute icrons icro	Liter/Minute mm of Water Degrees C Square mm Square mm	ASPIRET Standard S.2.1.) Filter face vectorize) Nominal fluid flow rate through the filter. Nominal fluid flow rate through the filter. Average Turk vectorize) Average Turk vectorized in the readis surface. Average Turk vectorized in the readis surface. Average Turk vectorized in the readis surface. Particle genometrix candard evidentian associated with nominal efficiency. India pressure drop across the filter. Allowable construction analyses that filter. Allowable construction analyses that filter. Weight of filter. Filter efficiency Mass of particle holding in the filter. Filter efficiency Aparticle filter sypa attributes. Coarse Filter, Coarse Metal. A particle filter sypa attributes. Aparticle filter sypa extended surface filter is a dry type air filter Counted efficiency curve as a function of facts bolling weight. Massimum filter doubt holding causely. Filter from material. India exended media area. Nominal filter efficiency based the particle own concentration before and after the filter against particles with a certain size distribution. Nominal filter efficiency based the particle weight concentration before and after the filter against particles with a certain size distribution. Under certain disk holding weight, DePressure = I fluid flow sate) Average full filter media separation type. Weighted efficiency care as a function of disk holding weight, efficiency = I (dout holding weight). Whether or not the condensity weight or one certain size distribution. Whether the filter has an indicator to display the degree of clogging of the filter. Average filter from the superation to page the degree of clogging of the filter.										
Nominal Filter Face Velocity Nominal Flowarte Nominal Media Surface Velocit Nominal Particle Geometric Ki Nominal Particle Geometric Ki Nominal Particle Geometric Ki Nominal Particle Geometric Ki Nominal Particle Geometric Si Nominal Particle Geometric Ki Nominal Particle Geometric Ki Nominal Particle Geometric Ki Nominal Particle Geometric Ki Nominal Efficiency Farticle Mass Holding Farticle Mass Holding Farticle Mass Holding Alir Filter Air Farticle Filter Type Counted Efficiency Curve Air Filter Air Farticle Filter Type Counted Efficiency Curve Geometric Filter Type Velophetric Massing Nominal Weighted Efficiency Pressure Drop Curve Geometric Filter Pressure Drop Curve Geometric Filter Velophetric Filter Air Control Filter Compressed Air Filter Type Compressed Air Filter Ty	Number Nu	r Feet/r Cubic Fe r Cubic Fe r Feet/r Min r Per r Pe r Pe r Pe r Pe r Pe r Pe r P	/Minute eet/Minute //Minute eet/Minute //Minute icrons icr	Liter/Minute mm of Water Degrees C Square mm Square mm	ASPIRES Standard S2.1.) Filter face velocity, Nominal fluid flow rate through the filter. Average fluid velocity at the media surface. Particle geometric reason dismeter associated with nominal efficiency. Particle geometric standard deviation associated with nominal efficiency. Weight of flow of the particle flow. Weight of flow of the particle flow. Standard flow of the particle flow. Standard flow. Stan										
Nominal Filter Face Velocity Nominal Flowrate Nominal Media Surface Velocity Nominal Flowrate Nominal Media Surface Velocity Nominal Filter Secondaria Nominal Fressure Drop Operation Temperature Rang Weight Counted Efficiency Particle Mass Hodding Weighte General Filter Further Mass Hodding Weighte General Filter Are Particle Filter Type Counted Efficiency Curve Louise Filter Are Particle Filter Type Counted Efficiency Curve Face Surface Area Area And Counted Filter Nominal Counted Efficiency Pressure Drop Curve Separation Type Weighted Efficiency Unglished Filter Automatic Condensate Or Compressed Air Filter Automatic Condensate O Compressed Air Filter Automatic Condensate O Compressed Air Filter Compressed Air Filter Compressed Air Filter Compressed Nethers Compressed Nethers Compressed Nethers Compressed Nethers Compressed Air Filter Type Operation Pressure Mass Operation Operation Pressure Mass Operation Op	Number College Number	r Feet/r Cubic Fe r Cubic Fe r Mis r	/Minute eet/Minute /Minute er/Minute //Minute kroons kroons kroons of Water grees F sys/Kgs ercent rams ercent rams are inch ercent ercent pSi ercent pSi ercent pSi ercent	Liter/Minute mm of Water Degrees C Square mm Square mm	ASPIAE Standard S.2.1). Filter face velocity: howman fluid flow rate through the filter. Nominal fluid flow rate through the filter. Average fluid velocity at the media surface. Average fluid velocity at the fluid pressure drop across the filter. Allowable construction ambient fluid temperature range. Weight of filter. Filter efficiency Mass of particle folding in the filter. Filter efficiency Average fluid pressure fluid particle filter is a dry-type air filter Filter efficiency at the fluid										
Nominal Filter Face Velocity Nominal Flowarte Nominal Media Surface Velocit Nominal Particle Geometric K Nominal Particle Geometric K Nominal Particle Geometric K Nominal Particle Geometric K Nominal Particle Geometric S Particle Mass Holding Geometric Filter S Particle Mass Holding Figure S Air Filter Air Farticle Filter Type Counted Efficiency Curre Air Filter Frame Material Media Extended Area Nominal Counted Efficie Nominal Weighted Efficie Pressure Drop Curve Separation Type Vegypted Ifficiency Curve Separation Type Vegypted Ifficiency Curve Separation Type Vegypted Ifficiency Curve Countered Filter Compressed Air Filter Type Operation Pressure Mass Particle Absorption Curve Particle	Number College Number	r Feet/r Cubic Fe r Cubic Fe r Mis r	/Minute eet/Minute //Minute eet/Minute //Minute icrons icr	Liter/Minute mm of Water Degrees C Square mm Square mm	ASRIAE Standard S.2.1.) Filter face velocity, Nominal fluid flow rate through the filter. Average fluid velocity at the media surface. Particle geometric mean dismerier associated with nominal efficiency. Particle geometric standard deviation associated with nominal efficiency. Standard associated standard stan										
Nominal Filter Face Velocity Nominal Flowrate Nominal Media Surface Velocit Nominal Media Surface Veloc Nominal Media Surface Veloc Nominal Persiste Genometre It Nominal Pressure Drop Operation Temperature Rang Weight Counted Efficiency Particle Mass Holding Weighte Genometre It Gunted Efficiency Particle Mass Holding Weighte Efficiency Air Filter Air Particle Filter Type Counted Efficiency Curve Loss Surface Area Air Filter Air Death (All Counted Filter) Dust Holding Capacity Face Surface Area Area Counted Efficiency Nominal Counted Efficiency Pressure Drop Curve Separation Type Weighted Efficiency Unglished Efficiency Compressed Air Filter Automatic Condervate D Congressed Air Filter Automatic Condervate D Congressed Air Filter Compressed Air Filter Compressed Air Filter Compressed Air Filter Operation Pressure Mass Particle Absorption Curve Water filter	Number Nu	r Feet/r	/Minute eet/Minute /Minute er/Minute //Minute kroons kroons kroons of Water grees F sys/Kgs ercent rams ercent rams are inch ercent ercent pSi ercent pSi ercent pSi ercent	Liter/Minute mm of Water Degrees C Square mm Square mm	ASPIAE Standard S.2.1.) Filter face vectorizy in command fluid flow rate through the filter. Nominal fluid flow rate through the filter. Average fluid velocity at the media surface. Average fluid velocity at the fluid velocity and the fluid pressure drop across the filter. Allowable coestion ambient fluid temperature range. Weight of filter. Filter efficiency Mass of particle folding in the filter. Filter efficiency Aparel of type extended surface filter is a dry-type air filter Counted efficiency as a function of fluid holding weight. Assumment flee full belong caused. Filter from manned. Filter from manned. Assumment flee fluid holding caused. Assumment flee full belong caused. Assumment flee from mende. Nominal filter efficiency based the particle count concentration before and after the filter against particles with a certain size distribution. Nominal filter efficiency based the particle count concentration before and after the filter against particles with a certain size distribution. Nominal filter efficiency based the particle weight concentration before and after the filter against particles with a certain size distribution. Under certain dust holding weight, DePressure = I fluid flowate) Ary particular filter media separation type. Weighted efficiency cure as a function of dust holding weight, efficiency = I (dust holding weight). True or False True or False Maximum person as a function of dust holding weight, efficiency = I (dust holding weight). Accounted after the efficiency cure as a function of dust holding weight, efficiency to the third of the standard dust from the filter. Accounted and after the efficiency cure as after the substantial filter to the tholding weight. Accounted and after the efficiency cure as after the substantial filtre t										
Nominal Filter Face Velocity Nominal Flowarte Nominal Flowarte Nominal Media Surface Velocit Nominal Particle Geometric K Nominal Frescure Drop Farticle Mass Holding Farticle Mass Holding Farticle Mass Holding Farticle Mass Holding Alar Filter Alar Fratic Filter Type Counted Efficiency Curve Geometric Filter Type Counted Efficiency Curve Farticle Material Media Extended Area Nominal Counted Efficie Nominal Weighted Efficiency Pressure Drop Curve Geometric Filter Pressure Drop Curve Geometric Filter Velophete Efficiency Curv Geometric Filter Compressed Air Filter Typ Operation Pressure Mas Particle Absorption Curve Water Filter Velope Filter Tip Velope Fi	Number College Number	r Feet/r	/Minute eet/Minute /Minute er/Minute //Minute kroons kroons kroons of Water grees F sys/Kgs ercent rams ercent rams are inch ercent ercent pSi ercent pSi ercent pSi ercent	Liter/Minute mm of Water Degrees C Square mm Square mm	ASPIRES Standard S.2.1.) Filter face vedocity, Nominal fluid flow rate through the filter. Average fluid vedocity at the media surface. Particle geometric reason disunserier associated with nominal efficiency. Particle geometric standard deviation associated with nominal efficiency. Weight of filter. Standard or standard stan	55									
Nominal Filter Face Velocity Nominal Flowrate Nominal Media Surface Velocit Nominal Media Surface Veloc Nominal Media Surface Veloc Nominal Persiste Genometre I. Nominal Fressive Drop Operation Temperature Rang Weight Counted Efficiency Particle Mass Holding Weighted Efficiency Particle Mass Holding Weighted Efficiency Curve Face Surface Mass Holding Air Filter Air Particle Filter Type Counted Efficiency Curve Dust Holding Capacity Face Surface Area Freme Waterial Adeal Extended Area Nominal Counted Efficiency Pressure Drop Curve Separation Type Weighted Efficiency Automatic Candensate D Coppress Air Filter Automatic Candensate Compressed Air Filter Water Filter Water Filter Water Filter	Number Nu	r Feet/r	/Minute eet/Minute /Minute er/Minute //Minute kroons kroons kroons of Water grees F sys/Kgs ercent rams ercent rams are inch ercent ercent pSi ercent pSi ercent pSi ercent	Liter/Minute mm of Water Degrees C Square mm Pa Pa	ASPIAE Standard S.2.1.) Filter face velocity, Nommal fluid flow rate through the filter. Average fluid velocity at the media surface. Average fluid velocity at the media surface. Average fluid velocity at the media surface. Average secretic standard develocity and the filter. Authorized secretic standard develocity and with nominal efficiency. Italia pressure drop across the filter. Allowable operation ambient fluid temperature range. Weight of filter. Filter efficiency Mass of particle holding in the filter. Filter efficiency Mass of particle holding in the filter. Filter efficiency A panel of you extended surface filter is a dry-type air filter Counted efficiency cause as function of dust holding weight Maximum filter found to think the filter superature and superature superature and superature superature and superature superatu										
Nominal Filter Face Velocity Nominal Flowarte Nominal Flowarte Nominal Media Surface Velocit Nominal Particle Geometric K Nominal Frescure Drop Farticle Mass Holding Farticle Mass Holding Farticle Mass Holding Farticle Mass Holding Alar Filter Alar Fratic Filter Type Counted Efficiency Curve Geometric Filter Type Counted Efficiency Curve Farticle Material Media Extended Area Nominal Counted Efficie Nominal Weighted Efficiency Pressure Drop Curve Geometric Filter Pressure Drop Curve Geometric Filter Velophete Efficiency Curv Geometric Filter Compressed Air Filter Typ Operation Pressure Mas Particle Absorption Curve Water Filter Velope Filter Tip Velope Fi	Number Nu	r Feet/r	/Minute eet/Minute /Minute er/Minute //Minute kroons kroons kroons of Water grees F sys/Kgs ercent rams ercent rams are inch ercent ercent pSi ercent pSi ercent pSi ercent	Liter/Minute mm of Water Degrees C Square mm Pa Pa	ASPIRET Standard S 2.1.) Filter face vedority hommal fluid flow rate through the filter. Nominal fluid flow rate through the filter. Average Include vedority at the media surface. Particle generate: means disenter associated with nominal efficiency. Particle generate: animal deviation associated with nominal efficiency. Particle generate: animal deviation associated with nominal efficiency. Particle generate: animal deviation associated with nominal efficiency. Total pressure drop across the filter. Allowable coentrio ambient fluid temperature range. Weight of filter. Filter efficiency Mass of particle holding in the filter. Filter efficiency particle holding in the filter. Filter efficiency associated in the filter of the particle filter is a deviation of the particle with a certain size destribution. Nominal filter efficiency based the particle owner concentration before and after the filter against particles with a certain size destribution. Nominal filter efficiency based the particle owner concentration before and after the filter against particles with a certain size destribution. Nominal filter efficiency based the particle weight concentration before and after the filter against particles with a certain size of the filter. Weighter of efficiency based the particle weight concentration before and after the filter ag	55									
Nominal Filter Face Velocity Nominal Flowarte Nominal Media Surface Veloc Nominal Media Surface Veloc Nominal Media Surface Veloc Nominal Persiste Genomete i. In Persiste Mass Holding Aur Filter Aur Particle Mass Holding Aur Filter Aur Particle Filter Type Counted Efficiency Curve Counted Efficiency Curve Dust Holding Capacity Face Surface Area Horistan Counted Efficiency Nominal Weighted Efficie Nominal Weighted Efficiency Veighted Efficiency Curve Separation Type Weighted Efficiency Curve Compressed Air Filter Justician Persiste Mass Particle Absorption Curve Vester Filter Justic Absorption Curve Water Filter Wester Type Flow Meter Jerow Meter Flow Meter Flow Meter	Number Sandard Country Sandard Cou	Feety Feet	/Minute eet/Minute /Minute er/Minute //Minute kroons kroons kroons of Water grees F sys/Kgs ercent rams ercent rams are inch ercent ercent pSi ercent pSi ercent pSi ercent	Liter/Minute mm of Water Degrees C Square mm Pa Pa	ASPIRES Standard S.2.1.) Filter face vedocity, Nommal fluid flow rate through the filter. Average fluid vedocity at the media surface. Average fluid vedocity at the media surface. Average generatic mean diameter associated with nominal efficiency. For the generatic mean diameter associated with nominal efficiency. It to gressive drop across the filter. Allowable operation armbient fluid temperature range. Weight of filter. Filter efficiency Mass of particle filter. Filter efficiency Mass of particle filter type attributes. Counted efficiency as a function of fluid holding weight. Counted efficiency as a function of fluid holding weight. Maximum filter fluid exist holding weight. Filter frame material. Total extended media acro. Nominal filter efficiency based the particle count concentration before and after the filter against particles with a certain size distribution. Under certain dust holding weight, DePressure = I fluid flowariate) Apraired type later efficiency based the particle count concentration before and after the filter against particles with a certain size distribution. Under certain dust holding weight, DePressure = I fluid flowariate) Apraired type filter media separation type. Weighted efficiency care as a function of dust holding weight, efficiency = I (dust holding weight). Apraired fluid filter media separation type. Weighted efficiency care as a function of dust holding weight, efficiency = I (dust holding weight). True or failse Whether in the filter is a microsoft to slightly the degree of clogging of the filter. ACTIVATED CARROLL collections to slightly the degree of clogging of the filter. ACTIVATED CARROLL collections to slightly the degree of clogging of the filter. ACTIVATED CARROLL collections to slog with degree of clogging of the filter. ACTIVATED CARROLL collections the score of the filter against particles of medium size, COALSCST across are associated with the property set.	55									
Nominal Filter Face Velocity Nominal Flowrite Venominal Flowrite Venight Venight Counted Efficiency Florited Mass Holding Venighted Venighted Officiency Air Filter Air Particle Filter Type Counted Efficiency Curve Venight Venighted Fifter Air Particle Filter Type Counted Efficiency Venighted Air Filter Air Particle Filter Type Counted Efficiency Venighted Venighted Filter Venighted Venighted Filter Venighted Venighted Efficiency Pressure Drop Curve Compressed Venighted	Number Nu	Feety Feet	/Minute eet/Minute /Minute er/Minute //Minute kroons kroons kroons of Water grees F sys/Kgs ercent rams ercent rams are inch ercent ercent pSi ercent pSi ercent pSi ercent	Liter/Minute mm of Water Degrees C Square mm Pa Pa	ASPIRE Standard S.2.1.) Filter face velocity: Nominal fluid flow rate through the filter. Filter face velocity: Nominal fluid flow rate through the filter. Average Turk standard deviation associated with nominal efficiency. Farticle genometric small deviations associated with nominal efficiency. For the pressure drop across the filter. Allowable construct standard deviation associated with nominal efficiency. Total pressure drop across the filter. Allowable construction ambient fluid temperature range. Weight of filter. Filter efficiency Mass of particle holding in the filter. Filter efficiency Mass of particle holding in the filter. Filter efficiency Appared by the extended with pressure as a function of dust holding weight. Counted efficiency deviated filter size and pressure as a function of dust holding weight. Malamment filter dust holding account. Malamment filter dust holding account. Filter frame material. Total extended media area. Nominal filter efficiency based the particle owner concentration before and after the filter against particles with a certain size distribution. Nominal filter efficiency based the particle weight concentration before and after the filter against particles with a certain size distribution. Under certain dust holding weight, DePressure = filthed flowarste). Any particles filter media separation type. Any particular filter media separation type. Any particular filter media desperation type. Whether the filther has an indicator to signify the degree of cogging of the filter. ACTIVATED CARRON Associated only and an advantage automatically from the filter. Whether the filther has old and state particle, also called micro filter. Malammen pressure under normal degree and only a filter fall than two to about solid particles of medium size, COALESCE filtration, purificient, purificient, and continued the media separation filter. Whether the filther has an indicator to singlely the degree of cogging of the filter. ACTIVATED CARRON Associated on the orde	55									
Nominal Filter Face Velocity Nominal Flowarte Nominal Media Surface Veloc Nominal Media Surface Veloc Nominal Media Surface Veloc Nominal Persiste Genomete i. In Persiste Mass Holding Aur Filter Aur Particle Mass Holding Aur Filter Aur Particle Filter Type Counted Efficiency Curve Counted Efficiency Curve Dust Holding Capacity Face Surface Area Horistan Counted Efficiency Nominal Weighted Efficie Nominal Weighted Efficiency Veighted Efficiency Curve Separation Type Weighted Efficiency Curve Compressed Air Filter Justician Persiste Mass Particle Absorption Curve Vester Filter Justic Absorption Curve Water Filter Wester Type Flow Meter Jerow Meter Flow Meter Flow Meter	Number Sandard Country Sandard Cou	Feety Feet	/Minute eet/Minute /Minute er/Minute //Minute kroons kroons kroons of Water grees F sys/Kgs ercent rams ercent rams are inch ercent ercent pSi ercent pSi ercent pSi ercent	Liter/Minute mm of Water Degrees C Square mm Square mm Pa	ASPIRES Standard S.2.1.) Filter face vedocity, Nominal fluid flow rate through the filter. Average fluid vedocity at the media surface. Average fluid vedocity at the media surface. Average fluid vedocity at the media surface. Average geometric standard dehation associated with nominal efficiency. Interest geometric standard dehation associated with nominal efficiency. Average geometric standard dehation associated with nominal efficiency. Face read of filter. Coarse filter. Coarse Metal A paried by we entended surface filter is a dry-type air filter Counted efficiency cave as a function of dust holding weight Assimum filter death holding cavely. Face area of filter frame. Falter frame material. Total extended media area. Anomal filter efficiency based the particle count concentration before and after the filter against particles with a certain size destribution. Average filter efficiency based the particle weight concentration before and after the filter against particles with a certain size destribution. Under certain dash holding weight. Deliversure of filter flowvarts) Average filter frame as in pactions to filter septices of the filter weight concentration before and after the filter against particles with a certain size defined by the filter septices of the filt	55									
Nominal Filter Face Velocity Nominal Flowarte Venezia Media Surface Velocity Nominal Flowarte Venezia Media Surface Velocity Nominal Frestate Generalist Nominal Frestate Original Velocity Nominal Frestate Portion Operation Temperature Rang Weight Counted Efficiency Particle Mass Holding Weighted Efficiency Farticle Mass Holding Weighted Efficiency Air Filter Air Particle Filter Type Counted Efficiency Curve Louis Holding Capacity Face Surface Area Media Efficiency Nominal Counted Efficiency Nominal Counted Efficiency Pressure Drop Curve Separation Type Vesighted Efficiency Compressed Air Filter Compressed Air Filter Compressed Air Filter Vester Compressed Air Filter Vester Compressed Air Filter Vester Filter Type Vester Type Vester Filter Type Vester Filter Type Vester Filter Type Plow Meter Very Professed Air Filter Vester Filter Type Plow Meter Meter Type Named Out Type Named Out Type	Number Nu	Feet/ Cubic Fe Feet/ Cubic Fe Feet/ Cubic Fe Feet/ Cubic Fe Feet/ Fe	/Minute eet/Minute /Minute er/Minute //Minute kroons kroons kroons of Water grees F sys/Kgs ercent rams ercent rams are inch ercent ercent pSi ercent pSi ercent pSi ercent	Liter/Minute mm of Water Degrees C Square mm Square mm Pa	ASPIRET Standard S 2.1.) Filter face vectorizy Nominal fluid flow rate through the filter. Particle generation make illuminary successful with nominal efficiency. Particle generation and illuminary successful with nominal efficiency. Particle generation and illuminary successful with nominal efficiency. India pressure drop across the filter. Allowable construction and the fluid temperature range. Weight of filter. Filter efficiency Mass of particle holding in the filter. Filter efficiency Mass of particle holding in the filter. Filter efficiency Aparticle flitter type attributes. Coanse Filter, Coanse Metal. A particle flitter syspa attributes. A particle flye vectorized standard flitter flower is a dry type air filter Counted efficiency dry vectorized standard flitter. Absoluted efficiency dry vectorized standard flitter flitte	SE S									
Nominal Filter Face Velocity Nominal Flowrite Venominal Flowrite Venight Venight Counted Efficiency Florited Mass Holding Venighted Venighted Officiency Air Filter Air Particle Filter Type Counted Efficiency Curve Venight Venighted Fifter Air Particle Filter Type Counted Efficiency Venighted Air Filter Air Particle Filter Type Counted Efficiency Venighted Venighted Filter Venighted Venighted Filter Venighted Venighted Efficiency Pressure Drop Curve Compressed Venighted	Number Nu	Feet/ Cubic Fe Feet/ Cubic Fe Feet/ Cubic Fe Feet/ Cubic Fe Feet/ Fe	/Minute eet/Minute /Minute er/Minute //Minute kroons kroons kroons of Water grees F sys/Kgs ercent rams ercent rams are inch ercent ercent pSi ercent pSi ercent pSi ercent	Liter/Minute mm of Water Degrees C Square mm Square mm Pa	ASPIRET Standard S.2.1.) Filter face vedority. Nominal fluid flow rate through the filter. Average Include order at the media surface. Particle geometric means disenter associated with nominal efficiency. Particle geometric means disenter associated with nominal efficiency. Particle geometric standard deviation associated with nominal efficiency. Total pressure drop across the filter. Allowable operation ambient fluid temperature range. Weight of filter. Filter efficiency Mass of particle holding in the filter. Filter efficiency particle fluid temperature range. Weight of filter. Filter efficiency associated with the filter is devlyage at filter. Counte Filter, Coarse Mesti. Japient dry type estended surface filter is a devlyage at filter. Counted Efficiency associated with the filter is devlyage at filter. Counted Efficiency associated with the filter is devlyage at filter. Counted Efficiency associated with the filter is devlyage at filter. Counted Efficiency associated with the filter is devlyage at filter. Counted Efficiency based the particle count concentration before and after the filter against particles with a certain size distribution. Nominal filter efficiency based the particle ownit concentration before and after the filter against particles with a certain size distribution. Nominal filter efficiency based the particle weight concentration before and after the filter against particles with a certain size distribution. Nominal filter efficiency based the particle weight concentration before and after the filter against particles with a certain size distribution. Nominal filter efficiency based the particle weight concentration before and after the filter against particles with a certain size distribution. Nominal filter efficiency based the particle weight concentration before and after the filter against particles with a certain size of the filter. Weighted efficiency based the particle weight concentration before and after the filter against particles with a certain size o	SE S									
Nominal Filter Face Velocity Nominal Flowrate Nominal Media Surface Veloc Nominal Media Surface Veloc Nominal Media Surface Veloc Nominal Pressure Drop Nominal Fressure Drop Nominal Fressure Drop Operation Temperature Rang Weight Counted Efficiency Particle Mass Holding Weighted Efficiency Air Filter Air Particle Filter Type Counted Efficiency Curve Loss Holding Capacity Face Surface Air Particle Air Particle Filter Type Nominal Counted Efficiency Curve Separation Type Weighted Efficiency Drop Loss Surface Air Particle Nominal Counted Efficiency Drop Loss Surface Air Particle Automatic Condensate D Congressed Air Filter University Air Filter Water Filter Water Filter Water Filter Water Filter Water Filter Neter Type Prow Meter Amende Reading Remote Reading	Number Nu	Feet/ Cubic Fe Feet/ Cubic Fe Feet/ Cubic Fe Feet/ Cubic Fe Feet/ Fe	/Minute eet/Minute /Minute er/Minute //Minute kroons kroons kroons of Water grees F sys/Kgs ercent rams ercent rams are inch ercent ercent pSi ercent pSi ercent pSi ercent	Liter/Minute mm of Water Degrees C Square mm Square mm Pa	ASPIRE Standard S.2.1.) Filter face vedority. Nominal fluid flow rate through the filter. Remains a vedority of the media surface. Average Turk devoking the standard equation standard exhibition and efficiency. Authority of the standard equation standard exhibition subscribed with nominal efficiency. It call pressure drop across the filter. Allowable coestion ambient fluid temperature range. Weight of filter. Filter efficiency Mass of particle holding in the filter. Asso of particle holding in the filter. Filter efficiency Asso of particle holding in the filter. Counter Filter, Coarse Metal A particle filter syspa ethibudes. Coarse Filter, Coarse Metal A particle filter syspa ethibudes. Coarse Filter, Coarse Metal A particle filter syspa ethibudes. Associated filter from the standard stand	SE S									
Nominal Filter Face Velocity Nominal Flowate Venezia Media Surface Veloc Sominal Partical Geometric Ix Sominal Persoure Prosp Operation Temperature Rang Weight Geometric Ix Geometric International Pressure Rang Weight Geometric Ix Geometric Geometric Ix Particle Mass Holding Weighted Geometric Ix Weight Geometric Ix Geometric Geometric IX Geometric IX Geometric IX Geometric IX Geometric IX	Number Nu	Feety Cubic Fe Feety Cubic Fe Feety	//Minute //M	Liter/Minute mm of Water Degrees C Square mm Square mm Pa	ASPIRET Standard S 2.1.) Filter face vedority hommal fluid flow rate through the filter. Nominal fluid flow rate through the filter. Average Include vedority at the media surface. Particle generatic means diameter associated with nominal efficiency. Particle generatic and and evident associated with nominal efficiency. Particle generatic and and evident associated with nominal efficiency. Total pressure drop across the filter. Allowable construct sandard evidents associated with nominal efficiency. Uvegit of filter. Filter efficiency. Mass of particle holding in the filter. Filter efficiency. Associated from the filter speak of the filter is day to get in filter. Coarse Filter, Coarse Med. Coarse Filter, Coarse Med. Associated filter from the filter is get through the filter is day to get in filter. Coarse Filter, Coarse Med. Associated filter from the filter is get through the filter is day to get in filter. Associated filter from the filter speak of the filter is day to get in filter. Coarse Filter, Coarse Med. Associated filter from the filter is get through the filter	SE S									
Nominal Filter Face Velocity Nominal Filter Face Velocity Nominal Flowarte Nominal Media Surface Veloc Nominal Media Surface Veloc Nominal Persiste Genometre is Nominal Fressive Filter Particle Mass Holding Weights Counted Efficiency Particle Mass Holding Weights Efficiency Curve Air Filter Air Particle Filter Type Counted Efficiency Curve Face Surface Area Air Filter Air Butter Air Filter Nominal Counted Efficiency Curve Separation Type Weights Efficiency Curve Separation Type Weights Efficiency Curve Separation Type Understand Filter Automatic Condensate D Congressed Air Filter Automatic Con	Number Nu	Feety Feet	//Minute //M	Liter/Minute mm of Water Degrees C Square mm Square mm Pa	ASPIAE Standard S.2.1.) Filter face vedocity, Nominal fluid flow rate through the filter. Average fluid vedocity at the media surface. Are fluid pressure drop across the filter. All could pressure drop across the filter. All could be constructed fluid temperature range. Weight of filter. Filter efficiency Mass of particle folding in the filter. Asses of particle filter system attributes. A particle fluid pressure fluid temperature range. Counted efficiency Asses of particle filter system attributes. A particle fluid pressure fluid temperature fluid temperature angle. Counted efficiency can sa function of dust holding weight Maximum filter fluid flui	SE S									
Nominal Filter Face Velocity Nominal Flowate Venezia Media Surface Veloc Sominal Partical Geometric Ix Sominal Persoure Prosp Operation Temperature Rang Weight Geometric Ix Geometric International Pressure Rang Weight Geometric Ix Geometric Geometric Ix Particle Mass Holding Weighted Geometric Ix Weight Geometric Ix Geometric Geometric IX Geometric IX Geometric IX Geometric IX Geometric IX	Number Nu	Feety Feet	//Affinite	Liter/Minute mm of Water Degrees C Square mm Square mm Pa	ASPIRET Standard S 2.1.) Filter face vedority hommal fluid flow rate through the filter. Nominal fluid flow rate through the filter. Average Include vedority at the media surface. Particle generatic means diameter associated with nominal efficiency. Particle generatic and and evident associated with nominal efficiency. Particle generatic and and evident associated with nominal efficiency. Total pressure drop across the filter. Allowable construct sandard evidents associated with nominal efficiency. Uvegit of filter. Filter efficiency. Mass of particle holding in the filter. Filter efficiency. Associated from the filter speak of the filter is day to get in filter. Coarse Filter, Coarse Med. Coarse Filter, Coarse Med. Associated filter from the filter is get through the filter is day to get in filter. Coarse Filter, Coarse Med. Associated filter from the filter is get through the filter is day to get in filter. Associated filter from the filter speak of the filter is day to get in filter. Coarse Filter, Coarse Med. Associated filter from the filter is get through the filter	SE S									

Gas Meter				Device that measures, indicates and sometimes records, the volume of gas that passes through it without interrupting the flow.			_		
Connection Size	Number Inch								
Gas Type	Number Inch Text	mm		Defines the size of inlet and outlet pipe connections to the meter. Defines the types of gas that may be specified.		+	+		
Maximum Flow Rate	Number Cubic Feet/Minut	e Liter/Minute		Maximum rate of flow which the meter is expected to pass.					
Maximum Pressure Loss	Number PSI	Pa		Pressure loss expected across the meter under conditions of maximum flow.		+			
Oil Meter				Device that measures, indicates and sometimes records, the volume of oil that passes through it without interrupting the flow.					
Connection Size Maximum Flow Rate	Number Inch Number Gallons/Min	mm Liters/Min		Defines the size of inlet and outlet pipe connections to the meter. Maximum rate of flow which the meter is expected to pass.		+	+	-	
Water Meter				Device that measures, indicates and sometimes records, the volume of water that passes through it without interrupting the					
Backflow Preventer Type	Text		Atmospheric Vacuum breaker Anti Siphon valve, Double	Identifies the type of backflow preventer installed				,	
			Check Backflow Preventer,					,	
			Pressure Vacuum breaker, Reduced Pressure Backflow					,	
			Preventer, Other, Not known,					,	
			Unset						
			T					L	
Connection Size Maximum Flow Rate	Number Inch Number Gallons/Min	mm Liters/Min		Defines the size of inlet and outlet pipe connections to the meter. Maximum rate of flow which the meter is expected to pass.		+	+		
Maximum Pressure Loss	Number PSI	Pa		Pressure loss expected across the meter under conditions of maximum flow.					
Туре	Text		Compound, Inferential, Piston, Other, Not Known,	Defines the allowed values for selection of the flow meter operation type.				,	
			Unset						
Heat Exchanger				A heat exchanger is a device used to provide heat transfer between non-mixing media such as plate and shell and tube heat exchangers.	IfcHeatExchanger				
Exchanger Type	Text Text		Countrie Co. C.	The property enumeration defines the types of heat exchanger that may be specified within the property set.					
Arrangement Plate Exchanger	Text		Counter flow, Crossflow,	Defines the basic flow arrangements for the heat exchanger: Plate heat exchanger type					
Number Of Plates	Number None		1,2,3	Number of plates used by the plate heat exchanger.					
Humidifier Humidifier Type	Text			A humidifier is a device that adds moisture into the air. The property enumeration defines the types of humidifier that may be specified within the property set.	IfcHumidifier		+		
Air Pressure Drop Curve	Number PSI	Pa		Air pressure drop versus air-flow rate.					
Application Internal Control	Text Text		Fixed: Portable	Humidifier application. Internal modulation control.		+	+		
Nominal Air Flow Rate	Number Cubic Feet/Minut	e Liter/Minute		Nominal rate of air flow into which water vapor is added.			1		
Nominal Moisture Gain	Number Gallons/Day	-	1	Nominal rate of water vapor added into the airstream.		+	+		
Saturation Efficiency Curve	Number Percent			Saturation efficiency as a function of the air flow rate.					
Water Requirement Weight	Number Gallons/Min Number Lbs/Kgs	Liters/Min		Make-up water requirement. The weight of the humidifier.				—	
Atmospheric Pressure	Number PSI	Pa		Ambient atmospheric pressure.					
Saturation Efficiency Pump	Number Percent			Saturation efficiency	IfcPump				
					iicrump				
Pump Type Base Type	Text Text		Frame	The property enumeration defines the types of pump that may be specified within the property set.		 			
Connection Size	Number Inch	mm	Frame.	Defines general types of pump bases. The connection size of the to and from the pump.		+	+	\vdash	
Drive Connection Type	Text		Direct drive.	The way the pump drive mechanism is connected to the pump.					
Flow Rate Range Flow Resistance Range	Number Gallons/Min Number PSI	Liters/Min Pa		Allowable range of volume of fluid being pumped against the resistance specified. Allowable range of frictional resistance against which the fluid is being pumped.		+	+	-	
Flowrate	Number Gallons/Min	Liters/Min		The actual operational fluid flowrate.					
Impeller Diameter Mechanical Efficiency	Number Inch Number Percent	mm		Diameter of pump impeller - used to scale performance of geometrically similar pumps. The pumps operational mechanical efficiency.		-	+		
Net Positive Suction Head	Number Inch	mm		Minimum liquid pressure at the pump inlet to prevent cavitation.					
Nominal Rotation Speed Overall Efficiency	Number RPM Number Percent			Pump rotational speed under nominal conditions. The pump and motor overall operational efficiency.		-	+		
Power	Number Horsepower			The actual power consumption of the pump.					
Pressure Rise Rotation Speed	Number PSI Number RPM	Pa		The developed pressure. Pump rotational speed.		 			
Temperature Range	Number Degrees F	Degrees C		Allowable operational range of the fluid temperature.					
Space Heater				Space heaters utilize a combination of radiation and/or natural convection using a heating source such as electricity, steam or hot water to heat a limited space or area.	IfcSpaceHeater				
Space Heater Type	Text			The property enumeration defines the types of space heater that may be specified within the property set.					
Air Resistance Curve	Number Inch/mm of Water/CFM			Air resistance curve (w/ fan only); Pressure = f (flow rate).					
Auxiliary Energy Source Consumption	Number Watts			Auxiliary energy source consumption.			1		
Effectiveness Energy Source	Number None Text	 	Electric Natural Cas Dra	Ratio of the real heat transfer rate to the maximum possible heat transfer rate. Enumeration defining the energy source or fuel combusted to generate heat if applicable		+	+		
	T.CAL		Hot Water, Steam, etc.	and the second s				1 '	
Exponent	Number None	1		Characteristic exponent, slope of log(heat output) vs log (surface temperature minus environmental temperature).		+	+	 	
								 '	
Fraction Convective Heat Transfer Fraction Radiant Heat Transfer	Number None Number None	-		Fraction of the total heat transfer rate as the convective heat transfer. Fraction of the total heat transfer rate as the radiant heat transfer.		+	+	 	
Heat Output Rate	Number BTU/Hr			Overall heat transfer rate.					
Heat Transfer Dimension Heat Transfer Medium	Text Text	1		Indicates how heat is transmitted according to the shape of the space heater. Enumeration defining the heat transfer medium if applicable.		+	+	 	
Number Of Panels	Number None		1,2,3	Number of panels.					
Number Of Sections Output Capacity	Number None Number Watts	 	1,2,3	Number of vertical sections, measured in the direction of flow. Total nominal heat output as listed by the manufacturer.		+	+		
Output Capacity Output Capacity Curve	Number Watts per Degree			Partial output capacity curve (as a function of water temperature); Q = f (Twater).		 	1		
Placement Type	F/C Text	-		Indicates how the space heater is designed to be placed.		+	+		
Size	Number Inch	mm		Overall body mass of the heater.			1		
Space Air Temperature	Number Degrees F	Degrees C		Dry bulb temperature in the space. Mean redient temperature in the chare		+	+		
Space Mean Radiant Temperature Surface Temperature	Number Degrees F Number Degrees F	Degrees C Degrees C		Mean radiant temperature in the space. Average surface temperature of the component.		<u> </u>			
Temperature Classification Thermal Efficiency	Text Number Percent	1	-	Enumeration defining the temperature classification of the space heater surface temperature.		 	+	$\vdash =$	
				Overall Thermal Efficiency is defined as gross energy output of the heat transfer device divided by the energy input.			<u> </u>	L '	
Thermal Mass Heat Capacity	Number None			Product of component mass and specific heat.		+	$+ \overline{}$	$\vdash \vdash$	
UV Curve Convector Characteristic	Number None	_		UV = f (VExterior, VInterior), UV as a function of interior and exterior fluid flow velocity at the entrance. Space heater type convector attributes.			\vdash		
Convector Type	Text		Forced Air; Natural	Indicates the type of convector					
Radiator Characteristic Radiator Type	Text			Space heater type radiator attributes. Indicates the type of radiator.		+	+		
Tubing Length	Number Inch	mm		Water tube length inside the component.			1		
Water Content	Number Lbs/Kgs		+	Weight of water content within the heater. Cooling air flow rate in the space.		+	+	 '	
Cooling Air Flow Rate	Number Cubic Feet/Minut								
Cooling Air Flow Rate	Number Cubic Feet/Minut	e Liter/Minute						<u></u> ,	
Cooling Air Flow Rate Exhaust Air Flow Rate	Number Cubic Feet/Minut Number Cubic Feet/Minut			Exhaust air flow rate in the space.			+-	 	

Heating Air Flow Rate									-				
	Number	Cubic Feet/Minute	Liter/Minute		Meating air flow rate in the space.								
Space Relative Humidity	Number	Percent			The relative humidity of the space.							_	
Space Temperature	Number		Degrees C		Temperature of the space.								
Ventilation Air Flow Rate	Number	Cubic Feet/Minute	Liter/Minute		Ventilation air flow rate in the space.								
Tank					A tank is a vessel or container in which a fluid or gas is stored for later use Ifc Tank								+-+-
Tank Type	Text				A tank is a vessel or container in which a fluid or gas is stored for later use ##CTank The property enumeration defines the types of tank that may be specified within the property set.								
Storage Type	Text			Fuel, Oil, Water, Rain Water,	Defines the general material category intended to be stored.								
				Waste Water, Potable Water,									
				Other, Not Known									
Nominal Capacity	Number											$-\!\!\!\!\!-\!\!\!\!\!-$	
Access Type	Text	Gallons/Liters			The total nominal or design volumetric capacity of the tank. Defines the types of access (or cover) to a tank that may be specified.			_		_		+-	+ + + + + + + + + + + + + + + + + + + +
Effective Capacity	Number	Gallons/Liters		Walliote, Osci Dellined	The total effective or actual volumetric capacity of the tank.								
End Shape Type	Text			Semi-Elliptical, ASME Flanged	Defines the types of end shapes that can be used for preformed tanks. The convention for reading these enumerated values is								
				Dished, ASME High Crown,	that for a vertical cylinder, the first value is the base and the second is the top; for a horizontal cylinder, the order of reading								
				Conical Dished, Standard	should be left to right. For a spherical tank, the value UNSET should be used.								
				Flanged Dished, Flanged Only, Dished Only, User Defined									
				branca only, oach bennea									
First Curvature Radius Has Ladder	Number	Inch	mm		First Curvature Radius should be defined as the base or left side radius of curvature value.								
Has Ladder	Logical			True or False	Indication of whether the tank is provided with a ladder (set TRUE) for access to the top. If no ladder is provided then value is set FALSE. Note: No indication is given of the type of ladder (gooseneck etc.)								
Has Visual Indicator	Logical			True or False	Indication of whether the tank is provided with a visual indicator (set TRUE) that shows the water level in the tank. If no visual								
					indicator is provided then value is set FALSE.								
Nominal Depth	Number	Inch	mm		The nominal depth of the tank.								
Nominal Length Or Diameter	Number	Inch	mm		Note: Not required for a horizontal cylindrical tank. The nominal length or, in the case of a vertical cylindrical tank, the nominal diameter of the tank.	 		-+		-	_	+	+ + + -
Nominal Length Of Diameter Nominal Width Or Diameter	Number	Inch	mm		The nominal length or, in the case of a vertical cylindrical tank, the nominal diameter of the tank. The nominal width or, in the case of a horizontal cylindrical tank, the nominal diameter of the tank.			-+			_	+-	+
			.,,,,,,	<u> </u>	Note: Not required for a vertical cylindrical tank.	<u> </u>							<u> </u>
Number Of Sections	Number	None		1,2,3	Number of sections used in the construction of the tank. Default is 1.								
					Note: All sections assumed to be the same size.	\vdash						-	+
Operating Weight Pattern Type	Number	Lbs/Kgs		Harizontal Culinder Vestical	Operating weight of the tank including all of its contents. Defines the types of pattern (or shape of a tank that may be specified.	 		-+				+-	
- Succi Type	TEAL	1	1	Cylinder, Rectangular, Other,	осника иструка от римент до влади ила нау ие эреспей.	1 1							
		1		Not Known		1 1				1			
Second Curvature Radius	Number	Inch	mm	Coll Of March Balletin	Second Curvature Radius should be defined as the top or right side radius of curvature value. Defines the general material category intended to be stored.								
Storage Type	Text	1		Fuel, Oil, Water, Rain Water, Waste Water. Potable Water.	Defines the general material category intended to be stored.	1 1				1			
		1		Other, Not Known		1 1				1			
Tank Composition	Text			Complex, Element, Partial,	Defines the level of element composition where.								
				User Defined	COMPLEX: A set of elementary units aggregated together to fulfill the overall required purpose.								
					ELEMENT: A single elementary unit that may exist of itself or as an aggregation of partial units PARTIAL: A partial elementary unit.								
Expansion Tank					PARTIEL A Datus retireman V unit. Specific Baseline Attributes to expansion type tank.							_	
Charge Pressure	Number	PSI	Pa		Nominal or design operating pressure of the tank.								
Pressure Regulator Setting Relief Valve Setting	Number	PSI	Pa		Pressure that is automatically maintained in the tank.								
Relief Valve Setting	Number	PSI	Pa		Pressure at which the relief valve activates.								
Pressure Vessel Charge Pressure	Number	PSI	Pa		Specific Baseline Attributes of a pressure vessel. Nominal or design operating pressure of the tank.								
Pressure Regulator Setting	Number	PSI	Pa Pa		Nominan of Urbigor Querous pressure of Urbigor Querous August Participation of Urbigor Querous Participation of Urbigor Querous pressure during pressure during the State of Urbigor Querous Participation of Urbigor Participati								+ + + + + + + + + + + + + + + + + + + +
Relief Valve Setting	Number	PSI	Pa		Pressure at which the relief valve activates.								
Sectional Tank					Fixed vessel constructed from sectional parts with one or more compartments for storing a liquid.								
Number Of Sections	Number	None		1,2,3	Number of sections used in the construction of the tank								
Section Length	Number Number	Inch	mm mm		The length of a section used in the construction of the tank. The width of a section used in the construction of the tank.								+
Section Width Tube Heat Exchanger	Number	Inch	mm		The width of a section used in the construction of the tank. A device that transfer heat using shell and tube configuration IfcTubeBundle								
Exchanger Type	Text				A Device that daily ensure heat using sites and tode comparation. The property ensure unsured the defines the types of tube heat exchanger that may be specified within the property set.								
Fouling Factor	Number	Ft2-"F-Hr/BTU			Fouling factor of the tubes in the tube bundle.								
Has Turbulator	Logical			True or False	TRUE if the tube has a turbulator, FALSE if it does not.								+
Horizontal Spacing In Line Row Spacing	Number Number	None None		1,2,3	Morizontal spacing between tubes in the tube bundle. In-line tube row spacing.		+	-+		-	_	+-	+-+-
Inside Diameter	Number	Inch	mm		In-line tube row spacers; In-line tube row s					t_		+-	+ + + -
Length	Number	Inch	mm		Length of the tubes in the tube bundle.								
Nominal Diameter	Number	Inch	mm		Nominal diameter or width of the tubes in the tube bundle.							$\perp =$	
Number Of Circuits Number Of Rows	Number	None		1,2,3	Number of parallel fluid tube circuits. Number of tube rows in the tube bundle assembly.		1					1	+
						-			1			-	
	Number	None	mm										
Outside Diameter	Number	Inch	mm		Actual outside diameter of the tube in the tube bundle.							=	
Outside Diameter Staggered Row Spacing Thermal Conductivity	Number Number Number	Inch None BTU/(Hr-Ft F)		1,2,3	Actual outside diameter of the tube in the tube bundle. Staggered but row spacing. The thermal conductively of the tube.								
Outside Diameter Staggered Row Spacing Thermal Conductivity Vertical Spacing	Number Number Number Number	Inch None BTU/(Hr-Ft F) Inch	mm		Actual costside diameter of the tube in the tube bundle. Staggered tube row sparking. The thermal conductivity of the tube. Vertical sparking between tubes in the tube bundle.								
Outside Diameter Staggered Row Spacing Thermal Conductivity Vertical Spacing Volume	Number Number Number	Inch None BTU/(Hr-Ft F)		1,2,3	Actual cruised dismeter of the tube in the tube bundle. Staggered but or or spacing. Her thermal conclusivity of the tube. Vertical spacing between tubes in the tube bundle. Total volume of fliat in the tubes and their headers.								
Outside Diameter Staggered Row Spacing Thermal Conductivity Vertical Spacing Volume Finned Bundle	Number Number Number Number Number	Inch None BTU/(Hr-Ft F) Inch Gallons/Liters	mm	1,2,3	Actual contacts diameter of the tube in the tube bundle. Saggered tube row sparking. The thermal conductivity of the tube. Vertical sparking between tubes in the tube bundle. Total volume of fluid in the tubes and their headers. Floating dube bundle actification.								
Outside Diameter Staggered Row Spacing Thermal Conductivity Vertex 15 Spacing Volume Volume Joanneter Encorpused Vone En Corpused Voe	Number Number Number Number Number	Inch None BTU/(Hr-Ft F) Inch		1,2,3	Actual contained dismeter of the tube in the tube bundle. Staggered tube row spacing. The thermal conductivity of the tube. Vertical spacing between tubes in the tube bundle. Total valumer of flus in the tubes and their headers. Finned tube bundle type attributes. Finned tube bundle type attributes. Actual connect of a fin for circular fins only.								
Outside Diameter Staggered Row Spacing Thermal Conductivity Verteal Spacing Volume Finned Bundle Diameter En Corrugated Type Has Coating	Number Number Number Number Number Number Text	Inch None BTU/(Hr-Ft F) Inch Gallons/Liters	mm	1,2,3	Actual contacts diameter of the tube in the tube bundle. Stageered tube row spacing. The thermal conductivity of the tube. Vervicial spacing between tubes in the tube bundle. Total volume of fluid in the tubes and their headers. Front Libe bundle ges earthcubes. Actual diameter of a fin for circular fins only. Description of a fin corrupated type.								
Outside Diameter Staggerend Now Spoining Thermal Conductivity Verlata Spoining Volume Vineta Diameter Diameter Fined Bundle Diameter His County of the Count	Number Number Number Number Number Number Text Logical Number	inch None BTU/(Hr-Ft F) Inch Gallons/Liters Inch	mm mm	1,2,3	Actual oxiside diameter of the tube in the tube bundle. Staggered tube row sparking. The thermat conductivity of the tube. Vervicial sparking between tubes in the tube bundle. Total volume of fluid in the tubes and their headers. Florat volume of fluid in the tubes and their headers. Framed tube bundler gest attributes. Actual diameter of a fin for circularly rins only. Description of a fin or circularly rins only. Total results of the fin sa so casting. FALSE If a does not. Intent of the fin as a sousting. FALSE If a does not.								
Outside Diameter Staggered flow Spoinig Thermal Conductivity Vertral Spoinig Volume Finned Bundle Observer In Commetter In Comme	Number Number Number Number Number Text Logical Number	inch None BTU/(Hr-Ft F) Inch Gallons/Liters Inch Inch Inch	mm mm mm	1,2,3	Actual consider dismeter of the tube in the tube bundle. Staggered tube row gazdring. The thermal conductivity of the tube. Vertical spacing between tubes in the tube bundle. Service and the space of the tube. Vertical spacing between tubes in the tube bundle. Service dural or fill an the tubes and their headers. Filmed tube bundle type attributes. Calcular diameter of a fin or cruital rins only. Description of a fin corrupted type. Service dural fill and the space of the								
Outside Diameter Staggered flow Spacing Thermal Conductivity Versital Spacing Volume Fined Bundle Diameter Fined Bundle Diameter Fin Corrupted Type Nas Coating Jeept Length Length	Number Number Number Number Number Number Number Number Number Text Logical Number Number Number	Inch None BTU/(Hr-Ft F) Inch Gallons/Liters Inch Inch Inch Inch Inch	mm mm	1,2,3	Actual oxiside diameter of the tube in the tube bundle. Staggered tube row syarizing. The thermat conductivity of the tube. Vertical spacing between tubes in the tube. Total volume of fluid in the tubes and their headers. Float volume of fluid in the tubes and their headers. Float working of fluid in the tubes and their headers. Actual diameter of a fin for circular five nonly. Description of a fin or circular five nonly. Description of a fin or circular five nonly. Title if the fina as coating. FALSE if didoes not. Length of the fin as neasured parallel to the direction of all rilow. Length of the fin as neasured parallel to the direction of all rilow. Length of the fin as neasured parallel to the direction of all rilow.								
Outside Diameter Chagered Row Spoining Thermal Conductivity Vertical Spoining Volume Finned Bundle Doameter In Content Volume Vin Content	Number Number Number Number Number Number Number Number Number Text Logical Number Number Number Number	inch None BTU/(Hr-Ft F) Inch Gällons/Liters Inch Inch Inch Inch Inch Inch BTU/(Hr-Ft F)	mm mm mm mm	1,2,3	Actual contained dismetter of the tuble in the tuble boundle. Staggered tuble no roug parking. The thermat conductivity of the tuble. Vertical spacing between tubes in the tuble boundle. Total volume of fluid in the tubles and their headers. Total volume of fluid in the tubles and their headers. Total volume of fluid in the tubles and their headers. Actual dismetter of a fin for circular first only. Actual dismetter of a fin for circular first only. Actual dismetter of a fin for circular first only. Legistry of the fin as measured persendicular to the direction of air flow. Legistry of the fin as measured persendicular to the direction of air flow. Distance between fins on a stude in the tuble bundle. The thermat conductivity of the fin.								
Outside Diameter Staggered Now Spooning Thermal Conductivity Versical Spooning Volume Vinetal Spooning Volume Fined Bundle Diameter Fin Congusted Type Nat Coating Jespin Length Length Spooning	Number Number Number Number Number Number Number Number Number Text Logical Number Number Number	Inch None BTU/(Hr-Ft F) Inch Gallons/Liters Inch Inch Inch Inch Inch	mm mm mm	1,2,3	Actual oxiside diameter of the tube in the tube bundle. Staggered tube row syacinig. The thermal conductivity of the tube. Writinal saving between tubes in the tube bundle. Total volume of fluid in the tubes and their headers. Florid witinal series are the series and their headers. Florid witinal series and their headers. Actual diameter of a fin for circular first only. Description of a fin corrupated type. TRUE if the fin has a coating. FLAST if does not. Length of the fin as measured parallel to the direction of air flow. Length of the fin as measured parallel to the direction of air flow. Length of the fin as measured parallel to the direction of air flow. Length of the fin as measured parallel to the direction of air flow. Botton the between fine or a tube in the tube bundle. The thermal conductivity of the fin. This discusses of the fin.								
Outside Diameter Outside Diameter Staggered Row Spoining Thermal Conductivity Verstad Spoining Volume Finned Bundle Diameter Fin Congusted Type Nas Coating Height Length Length Thermal Conductivity Thickness Valve	Number Number Number Number Number Number Number Number Text Logical Number Number Number Number	inch None BTU/(Hr-Ft F) Inch Gällons/Liters Inch Inch Inch Inch Inch Inch BTU/(Hr-Ft F)	mm mm mm mm	1,2,3	Actual contacts dismers of the tube in the tube bundle. Staggered but or one yearing. The thermal conductivity of the tube. Werkinst assign between tubes in the tube bundle. Total volume of fluid in the tubes and their headers. Float wolume of fluid in the tubes and their headers. Float wolume of fluid in the tubes and their headers. Actual dismers of a fin for circular first only. Description of a fin corrupated type. Title if the fin has a coating. FLASE if it does not. Length of the fin as amount of production to the direction of air flow. Length of the fin as measured parallel to the direction of air flow. Length of the fin as measured parallel to the direction of air flow. Length of the fin as measured parallel to the direction of air flow. Bottomic between fine on a tube in the tube bundle. The thermal conductivity of the fin. Thickness of the fin. A valve is used in a building services piping distribution system to control or modulate the flow of the flowd. ##EVAIVE								
Outside Diameter Staggered Bow Spoing Thermal Conductivity Vertral Spoing Volume Finned Bundle Dometer Fin Contragued Type His Coding Hes Coding Length Length Length Thermal Conductivity Thickness Valve Valve Valve Valve	Number Number Number Number Number Number Number Number Number Text Logical Number Number Number Number Number Number	inch None BTU/(Hr-Ft F) Inch Gällons/Liters Inch Inch Inch Inch Inch Inch BTU/(Hr-Ft F)	mm mm mm mm	1,2,3 1,2,3 True or False	Actual contacts dismeter of the tube in the tube bundle. Staggered tube row sparking. The thermal conductivity of the tube. The thorizon activity of the tube. Total volume of fluid in the tubes and their headers. Total volume of fluid in the tubes and their headers. Total volume of fluid in the tubes and their headers. Total volume of fluid in the tubes and their headers. Total volume of fluid in the tubes and their headers. Total volume of a fin for circular fluid volume of the tubes. Actual dismeter of a fin for circular fluid volume of the tubes. Total of their has a costing, PALSE if it does not. Length of the fin a measured parellel to the direction of al-flow. Length of the fin as measured parellel to the direction of al-flow. Length of the fin as measured parellel to the direction of al-flow. Location between fine as tube in the tube bundle. The thermal conductivity of the fin. Acute is used in a building services piping distribution system to control or modulate the flow of the fluid. The property enumeration defines the types of value that may be specified within the property set.								
Outside Diameter Outside Diameter Staggered Row Spoining Thermal Conductivity Verstad Spoining Volume Finned Bundle Diameter Fin Congusted Type Nas Coating Height Length Length Thermal Conductivity Thickness Valve	Number Number Number Number Number Number Number Number Text Logical Number Number Number Number	inch None BTU/(Hr-Ft F) Inch Gällons/Liters Inch Inch Inch Inch Inch Inch BTU/(Hr-Ft F)	mm mm mm mm	1,2,3 1,2,3 True or False True or False Single port, Angled, 2 Port,	Actual consider dismers or the tube in the tube bundle. Staggered tube row syzaring. The thermal conductivity of the tube. Writinal spacing between tubes in the tube bundle. Sold volume of fluid in the tubes and their headers. Total volume of fluid in the tubes and their headers. Formed tube bundler level arithwises. Actual dismers of a fin for circular first only. Description of a fin continue for the system of the system o								
Outside Diameter Chagered Row Spoing Thermal Conductivity Vertical Spoining Volume Finned Bundle Dosmeter Fin Control Vertical Spoining Volume Vertical Spoining Volume Vertical Spoining Volume Vertical Spoining Vertical Vertical Spoining Vertical	Number Number Number Number Number Number Number Number Number Text Logical Number Number Number Number Number Number	inch None BTU/(Hr-Ft F) Inch Gällons/Liters Inch Inch Inch Inch Inch Inch BTU/(Hr-Ft F)	mm mm mm mm	1,2,3 1,2,3 True or False True or False Single port, Angled 2 Port,	Actual contacts dismeter of the tube in the tube bundle. Staggered tube row sparking. The thermal conductivity of the tube. The thorizon activity of the tube. Total volume of fluid in the tubes and their headers. Total volume of fluid in the tubes and their headers. Total volume of fluid in the tubes and their headers. Total volume of fluid in the tubes and their headers. Total volume of fluid in the tubes and their headers. Total volume of a fin for circular fluid volume of the tubes. Actual dismeter of a fin for circular fluid volume of the tubes. Total of their has a costing, PALSE if it does not. Length of the fin a measured parellel to the direction of al-flow. Length of the fin as measured parellel to the direction of al-flow. Length of the fin as measured parellel to the direction of al-flow. Location between fine as tube in the tube bundle. The thermal conductivity of the fin. Acute is used in a building services piping distribution system to control or modulate the flow of the fluid. The property enumeration defines the types of value that may be specified within the property set.								
Outside Diameter Chagered Row Spoing Thermal Conductivity Vertical Spoining Volume Finned Bundle Dosmeter Fin Control Vertical Spoining Volume Vertical Spoining Volume Vertical Spoining Volume Vertical Spoining Vertical Vertical Spoining Vertical	Number Number Number Number Number Number Number Number Number Text Logical Number Number Number Number Number Number	inch None BTU/(Hr-Ft F) Inch Gällons/Liters Inch Inch Inch Inch Inch Inch BTU/(Hr-Ft F)	mm mm mm mm	1,2,3 1,2,3 True or False True or False Single port, Angled, 2 Port,	Actual consider dismers or the tube in the tube bundle. Staggered tube row syzaring. The thermal conductivity of the tube. Writinal spacing between tubes in the tube bundle. Sold volume of fluid in the tubes and their headers. Total volume of fluid in the tubes and their headers. Formed tube bundler level arithwises. Actual dismers of a fin for circular first only. Description of a fin continue for the system of the system o								
Outside Dismeter Staggered flow Spacing Thermal Conductivity Vertical Spacing Volume Finned Bundle Dismeter In Conting Interest of the Conting Interes	Number Number Number Number Number Number Number Number Text Logical Number Number Number Number Text Text Text	Inch None BTU/Iter Ft F) Inch Gallons/Uters Inch Inch Inch Inch Inch Inch Inch Inch	mm mm mm mm	1,2,3 1,2,3 True or False True or False Single port, Angled 2 Port,	Actual controls dismeter of the tuble in the tuble boundle. Staggered tuble no roug parking. The thermal conductivity of the tuble. Weterical spacing between tubles in the tuble boundle. Total volume of fluid in the tubles and their headers. Total volume of fluid in the tubles and their headers. Total volume of fluid in the tubles and their headers. Actual dismeter of a fin for circular fire control. Actual dismeter of a fin for circular fire control. Actual dismeter of a fin for circular fire control control fire control f								
Outside Dismeter Staggered flow Spining Thermal Conductivity Vertical Spining Volume Finned Bundle Dismeter Fin Corrupated Type Has Coating Height Length Length Thermal Conductivity Thickness Valve Valve Type Valve Pattern Body Material Oose Off Rating	Number Number Number Number Number Number Text Logical Number	Inch None 8TU/(Nr.F1F) Inch Inch Inch Inch Inch Inch Inch Inch	mm mm mm mm	1,2,3 1,2,3 True or False True or False Single port, Angled 2 Port,	Actual contacts dismeter of the tube in the tube bundle. Staggered tube row sparking. The thermal conductivity of the tube. Vertical sparking between tubes in the tube bundle. Total volume of fluid in the tubes and their headers. Total volume of fluid in the tubes and their headers. Total volume of fluid in the tubes and their headers. Total volume of fluid in the tubes and their headers. The tender of the fine or circular fire sonly. Becaringto of a fine corrupted type. TRUE if the fines as coasting, Efs.Ef it does not. Length of the fines as measured parellate to the direction of all flow. Length of the fines as measured parellate to the direction of all flow. Length of the fines measured parellate to the direction of all flow. Long the fines of the fine in a tube in the tube bundle. The thermal conductivity of the fine. The conditions of the fine in the bundle and the condition of the flow of the fluid. The conditions of the fine in the condition of the fines the types of valve that may be specified within the property yet. The property enumeration defines the types of valve that may be specified within the property yet. The configuration of the ports of a valve according to either the linear route taken by a fluid flowing through the valve or by the number of props. Material from which the body of the valve is constructed.								
Outside Dismeter Staggered flow Spacing Thermal Conductivity Vertical Spacing Volume Finned Bundle Dismeter In Conting Interest of the Conting Interes	Number Number Number Number Number Number Number Number Text Logical Number Number Number Number Text Text Text	Inch None BTU/Iter Ft F) Inch Gallons/Uters Inch Inch Inch Inch Inch Inch Inch Inch	mm mm mm mm	1,2,3 1,2,3 True or False True or False Single port, Angled 2 Port, Sirsight 2, Port, Sirsight 2, Port, Sirsight 2, Port, Sirsight 3	Actual carsive dismeter of the tuble in the tube boundle. Staggered tube no supporting. The thermal conductivity of the tube. We will be tube. Total volume of fluid in the tubes and their headers. Total volume of fluid in the tubes and their headers. Total volume of fluid in the tubes and their headers. Total volume of fluid in the tubes and their headers. Total volume of fluid in the tubes and their headers. Total volume of fluid in the tubes and their headers. Total volume of fluid in the tubes and their headers. Total volume of fluid in an associate place of the tubes of their tubes. Total of their has a soziate, place of their tubes of their tubes. Total of their has a soziate, place of their tubes of their total place of their tubes. Total of their has a soziate, place of their tubes of their total place. Total of their has a soziate, place of their tubes of their total place. Total of their has a soziate, place of their tubes of their total place of their tubes. Total of their has a soziate, place of their tubes of their total place. Total of their has a soziate, place of their tubes of their total place. Total of their has a soziate, place of their tubes of their tubes. Total of their has a soziate, place of their tubes of their tubes. Total of their has a soziate, place of their tubes of their tubes. Total of their has a soziate, place of their tubes of their tubes. Total of their has a soziate, place of their tubes of their tubes. Total of their has a soziate, place of their tubes of their tubes of their tubes of their tubes. Total of their has a soziate, place of their tubes of their tubes. Total of their tubes of their tubes. Total of their tubes of								
Outside Diameter Staggered flow Spining Thermal Conductivity Vertical Spining Volume Finned Bundle Diameter Fin Corrugated Type Nas Coating Height Length Length Thermal Conductivity Thickness Valve Valve Type Valve Pattern Body Material Closs Off Rating Flow Coefficient	Number Number Number Number Number Number Number Text Logical Number	Inch None STU/(Ve-F1 F) Salemy/Liters Inch Inch Inch Inch Inch Inch Inch Inch	mm mm mm mm mm mm	1,2,3 1,2,3 True or False True or False Single port, Angled 2 Port, Sirsight 2, Port, Sirsight 2, Port, Sirsight 2, Port, Sirsight 3	Actual contacts dismeter of the tube in the tube bundle. Staggered tube row sparking. The thermal conductivity of the tube. Vertical sparking between tubes in the tube bundle. Total volume of fluid in the tubes and their headers. Front volume of fluid in the tubes and their headers. Front volume of fluid in the tubes and their headers. Front volume of the fin for circular fins only. Becaring of a fin for circular fins only. Becaring the fin fins a measured parallel find one not. Length of the fins a measured parallel to the direction of all flow. Enterth of the fins an enseured parallel to the direction of all flow. Length of the fins an enseured parallel to the direction of all flow. Enterth of the fins an enseured parallel to the direction of all flow. Enterth of the fins an enseured parallel to the direction of all flow. Enterth of the fins an enseured parallel to the direction of all flow. Enterth of the fins an enseured parallel to the direction of all flow. Enterth of the fins an enseured parallel to the direction of all flow. Enterth of the fins and a tube in the tube bundle. The thermal conductivity of the fin. A value is used in a building services piping distribution system to control or modulate the flow of the fluid. Ecvalve The property enumeration defines the types of value that may be specified within the property set. The property enumeration defines the types of value that may be specified within the property yet. The property enumeration defines the types of value that may be specified within the property yet. Material from which the body of the value's constructed. Core of rating. Por voe effective (the quantity of fluid that passes through a fully open value at unit pressure drop), typically expressed as the Ky or c're value for the value.								
Outside Dismeter Staggered flow Spoining Thermal Conductivity Vertical Spaining Volume Finned Bundle Dismeter Fin Control Spaining Volume Has Costing Height Length Length Length Volume Thickness Valve Valve Type Valve Pattern Loc Off Rating Flow Coefficient Measured flow Rate Measured flow Rate	Number Number Number Number Number Number Number Text Logical Number	Inch None BITU/INE-EE I) Inch Inch Inch Inch Inch Inch Inch Inch	mm mm mm mm mm mm mm Liters/Min	1,2,3 1,2,3 True or False True or False Single port, Angled 2 Port, Sirsight 2, Port, Sirsight 2, Port, Sirsight 2, Port, Sirsight 3	Actual controls dismets or of the tube in the tube boundle. Staggered tube row sparking. The thermal conductivity of the tube. We intrinst assoning between tubes in the tube boundle. Total volume of fluid in the tubes and their headers. Front would fluid in the tubes and their headers. Front would be the tube of the for circular fire only. Actual dismeter of a fin for circular fire only. Exception of a fin corrupated type. This of the fin has a conting. FASS if it does not. Leader of the fin is a measured parallel of the direction of all flow. Leagh of the fin a seasured parallel to the direction of all flow. Leagh of the fin is a measured parallel to the direction of all flow. Leagh of the fin is a measured parallel to the direction of all flow. Leagh of the fin is a measured parallel to the direction of all flow. This does not find the fin is a measured parallel to the direction of all flow. This does not be fine. As where is used in a building services piping distribution system to control or mediulate the flow of the fluid. The property enumeration defines the types of valve that may be specified within the property set. The configuration of the ports of a valve according to either the linear route taken by a fluid flowing through the valve or by the number of ports. Material from which the body of the valve is constructed. Close of fluids. Material from which the body of the valve is constructed. Close of fluids. Act valve. The property description of the quantity of fluid that passes through a fully open valve at unit pressure drop), typically expressed as the Ky or Cv value for the valve.								
Outside Dismeter Staggered Bow Spaning Thermal Conductivity Vertical Spaning Volume Finined Bundle Dismeter The Conductivity Volume Finined Bundle Dismeter The Conductivity The Conductivity The Conductivity Thickness Valve Valve Type Body Material Cose Off Rating Flow Conflict Flow Conflict Body Material Cose Off Rating Flow Conflict Flow Conflict Flow Conflict Flow Conflict Body Material Cose Off Rating Flow Conflict Flow Conflict Flow Conflict Measured Flow Rate	Number Number Number Number Number Number Number Text Logical Number	Inch None BIU/IIIe-EE 1) Inch Inch Galdons/Liters Inch Inch Inch Inch Inch Inch Inch Inch	mm mm mm mm mm mm	1,2,3 1,2,3 True or False True or False Single port, Angled 2 Port, Sirsight 2, Port, Sirsight 2, Port, Sirsight 2, Port, Sirsight 3	Actual controls dismeter of the tuble in the tube boundle. Staggered tube no vog parking. The thermat conductivity of the tube. The thermat conductivity of the tube. Total volume of fluid in the tubes and their headers. Total volume of fluid in the tubes and their headers. Total volume of fluid in the tubes and their headers. Total volume of fluid in the tubes and their headers. Total volume of fluid in the tubes and their headers. Total volume of fluid in the tubes and their headers. Total volume of fluid in the tubes and their headers. Total volume of fluid in the tubes and their headers. Total volume of fluid in the tubes and their headers. Length of the fin as assessed parallel to the direction of all flow. Length of the fin as assessed parallel to the direction of all flow. Statence between fluid on as tube in the tube bundle. Thickness of the fin. Assessed in the tubes bundle. Thickness of the fin. Assessed is a building services piping distribution system to control or modulate the flow of the fluid. The property enumeration defines the types of valve that imay be specified within the property set. The configuration of the ports of a walve according to either the inear route taken by a fluid flowing through the valve or by the number of ports. Material from which the body of the valve is constructed. Close off Tenting. Material from which the body of the valve is constructed. The rate of flow of a fluid measured across the valve. The rate of flow of a fluid measured across the valve.								
Outside Diameter Staggered Bow Spoining Thermal Conductivity Vertral Sparing Volume Finned Bundle Domester In Company In Sparing Volume Inspired Sparing Volume Inspired Sparing Inspired Inspir	Number Number Number Number Number Number Number Text Logical Number	Inch None BITU/INE-EE I) Inch Inch Inch Inch Inch Inch Inch Inch	mm mm mm mm mm mm mm Liters/Min	1,2,3 1,2,3 True or False	Actual controls dismets or of the tube in the tube boundle. Staggered tube row sparking. The thermal conductivity of the tube. We intrinst assoning between tubes in the tube boundle. Total volume of fluid in the tubes and their headers. Front would fluid in the tubes and their headers. Front would be the tube of the for circular fire only. Actual dismeter of a fin for circular fire only. Exception of a fin corrupated type. This of the fin has a conting. FASS if it does not. Leader of the fin is a measured parallel of the direction of all flow. Leagh of the fin a seasured parallel to the direction of all flow. Leagh of the fin is a measured parallel to the direction of all flow. Leagh of the fin is a measured parallel to the direction of all flow. Leagh of the fin is a measured parallel to the direction of all flow. This does not find the fin is a measured parallel to the direction of all flow. This does not be fine. As where is used in a building services piping distribution system to control or mediulate the flow of the fluid. The property enumeration defines the types of valve that may be specified within the property set. The configuration of the ports of a valve according to either the linear route taken by a fluid flowing through the valve or by the number of ports. Material from which the body of the valve is constructed. Close of fluids. Material from which the body of the valve is constructed. Close of fluids. Act valve. The property description of the quantity of fluid that passes through a fully open valve at unit pressure drop), typically expressed as the Ky or Cv value for the valve.								
Outside Diameter Outside Diameter Staggered Bow Spoining Thermal Conductivity Vertical Spoining Volume Volume Finned Bundle Diameter Fin Control Volume Valor Valo	Number Number Number Number Number Number Number Number Text Logical Number	Inch None SBTU/IN-EE II Inch Inch Inch Inch Inch Inch Inch In	mm mm mm mm mm mm mm mm pa	1,2,3 1,2,3 True or False Port, Single port, Angled 2 Port, Single 1,2 Port, Single 1,3 Port, Crossover_4, Port	Actual contacts dismeter of the tube in the tube boundle. Staggered tube row sparking. The thermal conductivity of the tube. Weterical spacing between tubes in the tube boundle. Total volume of fluid in the tubes and their headers. Front working of the fluid in the tubes and their headers. Front working of the fluid in the tubes and their headers. Front working of the fluid in the tubes and their headers. Front working of the fluid in the tubes and their headers. Front working of the fluid in the tubes and their headers. Front working of the fluid in the tubes and their headers. Front working of the fluid in the tubes and their headers. Front working of the fluid in the tubes and their headers. Front working of the fluid in the tubes and their headers. Front working of the fluid in the tubes and their headers. Front working of the fluid in the tubes and their headers. Front working of the fluid in the tubes and their working of the fluid in the tubes and their working of the fluid in the tubes and their working of the fluid in the tubes and their working of the fluid in the tubes and the fluid in the tubes and their working of the fluid in the tubes and the fluid in the flu								
Outside Diameter Outside Diameter Staggered Row Spoining Thermal Conductivity Vertical Spoining Volume Finned Bundle Domester In Company In Com	Number Number Number Number Number Number Number Number Text Logical Number	Inch None BIT/III+EE 11 Inch Gallons/Liters Inch Inch Inch Inch Inch Inch Inch Inch	mm	1,2,3 1,2,3 True or False Part Angled 2 Port, Straight 3 Port, Crossover_4. Port	Actual actuate dismeter of the tuble in the tube boundle. Staggered tube no vog parking. The thermat conductivity of the tube. When the staggered tube is not be tube boundle. Staggered tube no vog parking. Total volume of fluid in the tubes and their headers. Total volume of fluid in the tubes and their headers. Total volume of fluid in the tubes and their headers. Total volume of fluid in the tubes and their headers. Total volume of fluid in the tubes and their headers. Total volume of fluid in the tubes and their headers. Total volume of fluid in the tubes and their headers. Total volume of fluid in the tubes and their headers. Total volume of fluid in the tubes and their headers. Length of the fin a measured argeneticular to the direction of artifoux. Length of the fin a sensured argeneticular to the direction of artifoux. Length of the fin a sensured argeneticular to the direction of artifoux. Length of the fin a sensured argeneticular to the direction of artifoux. Distance between fins on a tube in the tube bundle. The thermat conductivity of the fin. Thickness of the fin. Avue les used the a building services piping distribution system to control or modulate the flow of the fluid. The property numeration defines the types of when that may be specified within the property set. The configuration of the purts of a valve according to either the linear route taken by a fluid flowing through the valve or by the number of ports. Material from which the body of the valve is constructed. Close of training. Material from which the body of the valve is constructed. The property of the fine set. Let the property of the fine the valve is constructed. The property of the fine set. Let the between the amount that the valve is goen to the full of the valve. Let the between the amount that the valve is goen to the full of the valve. Let the between the amount that the valve is goen to the full of the valve.								

	Valve Operation	Text			Drop weight, Float, Hydraulic,	The method of valve operation.							
					Lever, Lock shield, Motorized,								
					Pneumatic, Solenoid.								
					Thermostatic, Wheel, User								
					Defined								
	Working Pressure	Number	PSI	Pa		The normally expected maximum working pressure of the valve.							Ī
	Air Vent					Valve used to release air from a pipe or fitting.							
	Is Automatic	Logical			True or False	Indication of whether the valve is automatically operated (TRUE) or manually operated (FALSE).							
	Isolation Valve					A valve that is used to isolate system components.							Ì
	Is Normally Open	Logical			True or False	If TRUE, the valve is normally open. If FALSE is normally closed.							
	Isolating Purpose	Text				Defines the purpose for which the isolating valve is used							
	Pressure Reducing Valve					Valve that reduces the pressure of a fluid immediately downstream of its position in a pipeline to a preselected value or by a							
	Downstream Pressure	Number	PSI	Pa		The operating pressure of the fluid downstream of the pressure reducing valve.							
	Upstream Pressure	Number	PSI	Pa		The operating pressure of the fluid upstream of the pressure reducing valve.							
	Pressure Relief Valve				Spring Loaded	A valve that automatically discharges to a safe place fluid that has built up to excessive pressure in pipes or fittings. Note							j
	Relief Pressure	Number	PSI	Pa		The pressure at which the spring or weight in the valve is set to discharge fluid.							
Vi	bration Isolator					A vibration isolator is a device used to minimize the effects of vibration transmissibility in a building	IfcVibrationIsolator						
													1
	Height	Number	Inch	mm		Height of the vibration isolator before the application of load.							
	Isolator Compressibility	Number	Lbs/Kgs			The compressibility of the vibration isolator.							
	Isolator Static Deflection	Number	Inch	mm		Static deflection of the vibration isolator.							
	Maximum Supported Weight	Number	Lbs/Kgs			The maximum weight that can be carried by the vibration isolator.							
	Vibration Transmissibility	Number	Percent	1		The vibration transmissibility percentage.	l	1	l	1	1 1 1	1	

BIMForum LOD Specification 2018 Part II D- Air Distribution Part 1 - Attribute Description Part 3 - Example Project-Specific Milestones Baseline Additional stimating Estimating LEED Cert. LEED Cert Attribute Data Type Units - Imp. Units - Metric Option Examples Commentary IFC Name COBie Tag Est. 1 Bid Pkg. Check Submittal **Global Attributes** Target LOD Text 100, 200, 300, 350, 400 Duct Atmospheric Pressure PSI/Pa Ambient atmospheric pressure. Number Text Amment atmospheric pressure.

The color of the dust segment. Note: This is typically used for any duct segments with a painted surface which is not otherwise segments with a painted surface which is not otherwise segment as covering.

New, Existing, Demolsth,

Status of the element, predominately used in removation or retrofitting projects. The status can be assigned to as "New" element designed as new addition, "Existing" - element exists and remains, "Demolsh" - element existed but is to be demolished, "Temporary" - element will exists only temporary (like a temporary support structure). Volumetric leakage flow rate. Fluid Flow Leakage Number CFM/LM per 100SF True/Fable TRUE if the fitting has interior duct insoluting lining, FALSS if it does not.

The interior roughtees of the duct fitting material.

Leaking per run fitting that reverse working pressure. If a scalar is expressed then it represents Leakage Class which is flowrate per current and a specified pressure rating (e.g., ASMAX Fundamentals 2003 34.15).

Lock seam, button punch

The type of seam to be used doing the longitudinal as of the duct Segment. Has Liner Interior Roughness Coefficient Logical Number Number CFM/LM per Leakage Curve 100SF Longitudinal Seam snap lock Loss Coefficient Number None Dimensionless loss coefficient used for calculating fluid resistance representing the ratio of total pressure loss to velocity pressure at a referenced cross-section.

The nominal diameter or width of the duct segment. Inch mm Nominal Height Pressure Range Number Inch mm The nominal height of the duct segment. Number Inch/mm wg Text Allowable maximum and minimum working pressure (relative to ambient pressure).

angle, hat section, zee, or

The type of reinforcement, if any, used for the duct segment. channel iron Reinforcement Spacing Shape Number Text The spacing between reinforcing elements.

Rectangular, Square, Round

Cross sectional shape. Note that this shape is uniform throughout the length of the segment. For non uniform shapes, a transition fitting should be used instead. Number Degrees F Degrees C
Number Inch/mm Wg Allowable maximum and minimum temperature.

Pressure classification as defined by the authority having jurisdiction (e.g., SMACNA, etc.). Temperature Range

Working Pressure

SMACNA

	DD Specification 2018 Part II	-															
	re Protection This work is licensed under the Creative Commons					Post 4 Abrillanta Description			D-+2 F		•11			1			
aseline	Attribution-NonCommercial 4.0 International License					Part 1 - Attribute Description				xample Project-Specific N							
dditional										Estimating LEED Cert.							
tribute		Data Type	Units - Imp.	Units - Metric	Option Examples	Commentary	IFC Name	COBie Tag	Est. 1	Bid Pkg. Check	Submittal						
obal Attri																	
Component Condition S	It ID Status	Text Text			New, Existing, Demolish,	Part or Equipment Tag Status of the element, predominately used in renovation or retrofitting projects											
					Temporary, User Defined												
Room Num	nber	Text				Room number where component to be/is installed											
Room Name Story Numb		Text Text				Room name where component to be/is installed Floor or level room is located											
Manufactur		Text				The organization that manufactured and/or assembled the item.											
Product Na		Text				The manufacturers model name of the product model (or product line)											
Model Desi Target LOD		Text Text		10	00, 200, 300, 350, 400	The manufacturers model number or designator of the product model (or product line)											
Current LOI	D	Text			00, 200, 300, 350, 400												
Acquisition	nt characteristics	Date Time	Date			Properties of individual elements of manufactured products The date that the manufactured item was purchased.											
Assembly P	Place	Text				Code defining where the assembly takes place											
Bar Code		Text				The identity of the bar code given to an occurrence of the product.											
Batch Refer Production		Text Number	Year			The identity of the batch reference from which an occurrence of a product is taken. The year of production of the manufactured item.											
Serial Numb	ber	Text	TCUI			The serial number assigned to an occurrence of a product.											
Design Perf	formance																
Service Life	e e Between Failure	Number	Davs			Captures the period of time that an artifact will last.											
Mean Time Service Life		Number		+		The average time duration between instances of failure of a product. The length or duration of a service life.			1				l	1			 -+
Service Life	e Factors		.,			Captures various factors that impact the expected service life of elements within the system or zone.											
Design Leve Indoor Envi		Text Text				Adjustment of the service life resulting from the effect of design level employed.											
Indoor Envi		Text				Adjustment of the service life resulting from the effect of the indoor environment (where appropriate). Adjustment of the service life resulting from the effect of the conditions in which components are operating.			1				 	+			
Maintenand	ce Level	Text				Adjustment of the service life resulting from the effect of the level or degree of maintenance applied to components.											
0.11		74											-			 	
	nvironment Components	Text Text	-			Adjustment of the service life resulting from the effect of the outdoor environment (where appropriate) Adjustment of the service life resulting from the effect of the quality of components used.			+				-	-	1		
Work Execu	ution Level	Text				Adjustment of the service life resulting from the effect of the quality of work executed.											
Warranty						A written guarantee, issued to the purchaser of an article by its manufacturer, promising to repair or replace it if necessary		-									T
Exclusions		Text	-			within a specified period of time Items, conditions or actions that may be excluded from the warranty or that may cause the warranty to become void.							-				
		- 644				. ,											
Is Extended	d Warranty	Logic			True or False	Indication of whether this is an extended warranty whose duration is greater than that normally assigned											
Point Of Co Warranty C		Text Text				The organization that should be contacted for action under the terms of the warranty. The content of the warranty.											
Warranty E	End Date	Date Time	Date			The date on which the warranty expires.											
Warranty Id		Text				The identifier assigned to a warranty.											
Warranty P	Period	Number	Year(s)			The time duration during which a manufacturer or supplier guarantees or warrants the performance of an artefact.											
Warranty S		Date Time	Date			The date on which the warranty commences.											
Item-Spe																	
Breech	ning Inlet					Symmetrical pipe fitting that unites two or more inlets into a single pipe	IfcFireSuppressionTerminal										
Bre	eeching Inlet Type	Text				Defines the type of breeching inlet.											
	supling Type	Text				Defines the type coupling on the inlet of the breeching inlet.											
Has														-			
	let Diameter	Logic Number	Inch	mm	True or False	Does the inlet connection have protective caps. The inlet diameter of the breeching inlet											
Flow M	let Diameter Neter	Number	Inch	mm		The inlet diameter of the breeching inlet. A flow meter is a device that is used to measure the flow rate in a system.	lfcFlowMeter										
Flow M	let Diameter		Inch		nergy, Gas, Oil, Water, User	The inlet diameter of the breeching inlet.	IfcFlowMeter										
Flow M	let Diameter Aeter eter Type	Number	Inch		nergy, Gas, Oil, Water, User Defined	The inter diameter of the breaching inter. A flow meter is a device that is used to measure the flow rate in a system. Identifies the predefined types of meter from which the type required may be set.	lfcFlowMeter										
Flow M	let Diameter Neter	Number	Inch	Er	nergy, Gas, Oil, Water, User	The inlet diameter of the breeching inlet. A flow meter is a device that is used to measure the flow rate in a system.	lfcFlowMeter										
Flow M Me	let Diameter Aéter eter Type prose	Text Text	Inch	Er	nergy, Gas, Oil, Water, User Defined Master, Submaster, Submeter, Other, Unknown	The inite diameter of the brenching inite. A flow meter is a device that is used to measure the flow rate in a system. Identifies the predefined types of meeter from which the type required may be set. Enumeration defining the purpose of the flow meter occurrence.	HcFlowMeter										
Flow M Me	let Diameter Aeter eter Type	Number	Inch	Er	nergy, Gas, Oil, Water, User Defined Master, Submaster, Submeter, Other, Unknown Dial, Digital, Other, Not	The inited diameter of the brenching inlet. Allow meter is a described that is used to measure the flow rate in a system. Identifies the predefined types of meter from which the type required may be set. Enumeration defining the purpose of the flow meter occurrence. Indication of the form that readout from the meter takes. In the case of a dial read out, this may comprise multiple dials that	lfcFlowMeter										
Flow M Me Put	let Diameter Aéter eter Type prose	Text Text	Inch	Er	nergy, Gas, Oil, Water, User Defined Master, Submaster, Submeter, Other, Unknown	The intel dameter of the brenching intel. Allow meter is a described that is used to measure the flow rate in a system. Identifies the predefined types of meter from which the type required may be set. Enumeration defining the purpose of the flow meter occurrence. Indication of the form that readout from the meter takes. In the case of a dial read out, this may comprise multiple dials that give a cumulative realing and/or a mechanical adomneter.	lfcFlowMeter										
Flow Me Me Put Res	te Dameter deter eter Type rpose and Out Type more Reading	Text Text Text	Inch	Er	nergy, Gas, Oil, Water, User Defined Master, Submaster, Submeter, Other, Unknown Dial, Digital, Other, Not Known, Unset	The intel dameter of the breeching links. All flow meter is a decire that is used to measure the flow rate in a system. Identifies the predefined space of meter from which the type required may be set. Enumeration defining the purpose of the flow meter occurrence. Indication of the form that exadout from the meter takes, in the case of a dial read out, this may comprise multiple dials that are commonly a common that the co	#cFlowMeter										
Flow Me Me Put Res	let Diameter Meter Meter trype rpose and Out Type	Text Text Text		Er	nergy, Gas, Oil, Water, User Defined Master, Submaster, Submeter, Other, Unknown Dial, Digital, Other, Not Known, Unset	The inited diameter of the brenching inlet. Allow meter is a described that is used to measure the flow rate in a system. Identifies the predefined types of meter from which the type required may be set. Enumeration defining the purpose of the flow meter occurrence. Indication of the form that readout from the meter takes. In the case of a dial read out, this may comprise multiple dials that give a cumulative realing and/or a mechanical adometer. Indicates whether the meter has a connection for remote reading through connection of a communication device (set TRUE) or not (set FALES).	licFlowMeter										
Pui Rei Ent	tet Dameter Meter etter Type and Out Type mote Reading sergy Meter Maximum Current Multiple Tariff	Text Text Text Logic Number Text	Amps	Er	nergy, Gas, Oil, Water, User <u>Defined</u> Master, Submaster, submeter, Other, Unknown Dial, Digital, Other, Not Known, Unset True or False	The inter dameter of the brenching intel. Allow meter is a described that is used to measure the flow rate in a system. Identifies the predefined types of meter from which the type required may be set. Enumeration defining the purpose of the flow meter occurrence. Indication of the form that readout from the meter takes. In the case of a dial read out, this may comprise multiple dials that give a cumulative realing and/or a mechanical adomneter. Indicates whether the meter has as connection for remote reading through connection of a communication device (set TRUE) or not (set FASS). Device that measures, indicates and sometimes records, the energy usage in a system. The maximum allowed current that a device is certified to handle.	IfcFlowMeter										
Flow M Me Put Res Res Ent	te Dameter deter eter Type and Out Type morte Reading seepy Meter Multiple Tariff Nommia Current Multiple Tariff Nommia Current	Text Text Text Logic Number		Er	nergy, Gas, Oil, Water, User Defined Master, Submaster, Submaster, Submeter, Other, Unknown Dial, Digital, Other, Not Known, Unset True or False	The inter dameter of the brenching intel. A flow meet is a describe that is used to measure the flow rate in a system. Identifies the predefined systes of meter from which the type required may be set. Enumeration defining the purpose of the flow meter occurrence. Indication of the form that readout from the neter takes, in the case of a dial read out, this may comprise multiple dials that as committee rending and/or a mechanical domestic. Indication of the form that readout from the neter takes, in the case of a dial read out, this may comprise multiple dials that as a committee rending and/or a mechanical domestic. Indicates whether the meter has a committee for remote reading through connection of a communication device (set TRUE) or color (set FASE). Device that measures, indicates and sometimes records, the energy usage in a system. The maximum allowed current that a device is certified to handle. Indicates whether meter has built in support for multiple taffs (pariable energy cost rates). The monitorial current that designed to be measured.	itsTowNeter										
Flow M Me Put Res Res Ent	tet Dameter Meter etter Type and Out Type mote Reading sergy Meter Maximum Current Multiple Tariff	Text Text Text Logic Number Text	Amps	Er	nergy, Gas, Oil, Water, User Defined Master, Submaster, Submaster, Submeter, Other, Unknown Dial, Digital, Other, Not Known, Unset True or False	The inter dameter of the brenching intel. Allow meter is a described that is used to measure the flow rate in a system. Identifies the predefined types of meter from which the type required may be set. Enumeration defining the purpose of the flow meter occurrence. Indication of the form that readout from the meter takes. In the case of a dial read out, this may comprise multiple dials that give a cumulative realing and/or a mechanical adomneter. Indicates whether the meter has as connection for remote reading through connection of a communication device (set TRUE) or not (set FASS). Device that measures, indicates and sometimes records, the energy usage in a system. The maximum allowed current that a device is certified to handle.	IfcFlowMeter										
Flow M Me Pur Rei Rei Ga	te Dameter Meter eter Type rpose and Out Type and Out Type Maximum Current Mustiple Tariff Nommal Current Meter	Text Text Text Logic Number Text Number Number	Amps	Er	nergy, Gas, Oil, Water, User Defined Master, Submaster, Submaster, Submeter, Other, Unknown Dial, Digital, Other, Not Known, Unset True or False	The intel dameter of the brenching intel. A flow meter is a device that is used to measure the flow rate in a system. Identifies the predefined syses of meter from which the type required may be set. Enumeration defining the purpose of the flow meter occurrence. Indication of the form that readout from the meter takes. In the case of a disirred out, this may comprise multiple dish that pass a cumulative reading and/or a mechanical adometer. Indicates whether the meter has a connection for remote reading through connection of a communication device (set TRUE) or not test TALSE). Device that measures, indicates and sometimes records, the energy usage in a system. The maximum situated current that a device a certified to handle. Indicates whether meter has busin in support for multiple traffs foundable energy cost rates). Device that maximum, and that legisland to a maximum of the support of the suppor	il:FlowMeter										
Flow M Me Pur Rei Rei Ga	tel Dameter Meter ster Type ad Out Type mote Reading seep Meter Material Fault Multiple Tauff Nummal Current ster Meter Scommal Current ster Meter Connection Size Cos Type	Number Text Text Logic Number Text Number Number Text Number Text	Amps Amps Inch	Er S	nergy, Gas, Oll, Water, User Defined Master, Submaster, User Submaster, Unknown Dial, Digital, Other, Not Known, Unset True or False	The inter dameter of the brenching intel. A flow meter is a device that is used to measure the flow rate in a system. dentifies the predefined types of meter from which the type required may be set. Enumeration defining the purpose of the flow meter occurrence. Indication of the form that readout from the meter takes, in the case of a dial read out, this may comprise multiple dials that year a crumistive reading andice a mechanical adometer. Indication when the meter has a connection for remote reading through connection of a communication device (set TRUE) or not (set ARSE). Indicates whether meter has a connection for remote reading through connection of a communication device (set TRUE) or not (set ARSE). Indicates whether meter has a both or remote reading through connection of a communication device (set TRUE) or not (set ARSE). Indicates whether meter has both or remote reading through connection of a communication device (set TRUE) or not (set ARSE). Indicates whether meter has both or remote reading through connection of a communication device (set TRUE) or not (set ARSE). Indicates whether meter has both or remote reading through connections to the energy cost rates). The remonal current that is designed to be neared. Sevice that measures, indicates and sometimes records, the volume of ges that passes through it without interrupting the flow. Defines the kize of set and out of the meter. Defines the kize of gast that may be specified.	II:FlowMeter										
Flow M Me Put Res Res Ga	te Dameter deter deter teter Type rpose and Out Type and Out Type Maximum Current Mustiple Tariff Nommai Current State State State Generation Size Gas Type Maximum Flow Rate	Number Text Text Logic Number Text Number Text Number Text Number	Amps Amps Inch Cubic Pt / Min	S S S S S S S S S S S S S S S S S S S	nergy, Gis, Oil, Water, User Defined Master, Submaster Master, Submaster Dial, Digital, Other, Mort Known, United True or False	The intel dameter of the breeching intel. A flow meter is a device that is used to measure the flow rate in a system. Identifies the predefined space of meter from which the type required may be set. Enumeration defining the purpose of the flow meter occurrence. Enumeration defining the purpose of the flow meter cacurrence. Includes one of the form that readout from the meter takes, in the case of a dial read out, this may comprise multiple dash that give a cumulative reading and/or a mechanical endometer. Indicates whether the meter has a connection for remote reading through connection of a communication device (set TRUE) or not (set FALSE). Device that measures, indicates and sometimes records, the energy usage in a system. The maximum allowed current that a device is certified to handle. Indicates whether meter has built in support for multiple surfs (swinkle energy cost rates). The remoter current has decipied to the resourced. Device that measures, indicates and sometimes records, the volume of gas that passes through it without interrupting the flow. Device the measures, indicates and sometimes records, the volume of gas that passes through it without interrupting the flow. Defines the tipe of gas that may be specified. Maximum rate of the which the meter is assected up ass.	It-FlowMeter										
Flow M Me Put Res Res Ga	tel Dameter Meter ster Type ad Out Type mote Reading seep Meter Material Fault Multiple Tauff Nummal Current ster Meter Scommal Current ster Meter Connection Size Cos Type	Number Text Text Logic Number Text Number Number Text Number Text	Amps Amps Inch	Er S	nergy, Gas, Oil, Water, User Defined Master, Submaster Master, Submaster University of the Control of the Master Submaster Maste	The inter dameter of the brenching intel. A flow meter is a device that is used to measure the flow rate in a system. dentifies the predefined types of meter from which the type required may be set. Enumeration defining the purpose of the flow meter occurrence. Indication of the form that readout from the meter takes, in the case of a dial read out, this may comprise multiple dials that year a crumistive reading andice a mechanical adometer. Indication when the meter has a connection for remote reading through connection of a communication device (set TRUE) or not (set ARSE). Indicates whether meter has a connection for remote reading through connection of a communication device (set TRUE) or not (set ARSE). Indicates whether meter has a both or remote reading through connection of a communication device (set TRUE) or not (set ARSE). Indicates whether meter has both or remote reading through connection of a communication device (set TRUE) or not (set ARSE). Indicates whether meter has both or remote reading through connection of a communication device (set TRUE) or not (set ARSE). Indicates whether meter has both or remote reading through connections to the energy cost rates). The remonal current that is designed to be neared. Sevice that measures, indicates and sometimes records, the volume of ges that passes through it without interrupting the flow. Defines the kize of set and out of the meter. Defines the kize of gast that may be specified.	it-flowhiter										
Flow M Me Pur Rei Rei Ga Ga	tel Dameter Meter ster Type ad Out Type mote Reading seep Meter Massmen Current Multiple Tariff Nominal Current is Meter Connection Size Gos Type Maximum Flow Rate Maximum Flow Rate Maximum Flow Rate Maximum Flow Rate Maximum Flows Rate Maxi	Number Text Text Logic Number Text Number Text Number Number Number Number Number	Amps Amps Inch Cubic R1/Min P5I Inch	mm Liters/Min Pa mm	nergy, Gas, Oli, Water, User Defined Master, Submaster, Master, Submaster, Unicometer, Other, Not Known, Unset True or False	The inter dameter of the brenching intel. A flow meter is a device that is used to measure the flow rate in a system. dentifies the predefined types of meter from which the type required may be set. Enumeration defining the purpose of the flow meter occurrence. Indication of the form that readout from the meter takes, in the case of a dial read out, this may comprise multiple dials that does a comulative reading and/or a mechanical odornetur. Indication enter the meter has a connection for remote reading through connection of a communication device (set TRUE) or not leaf X-XIA. The member has a connection for remote reading through connection of a communication device (set TRUE) or not leaf X-XIA. The measure allowed correct that a device is certified to handle. Indicates whether meter has built in support for multiple set if it is provided energy cost rates). The maximum allowed correct that a device is certified to handle. Indicates whether meter has built-in support for multiple set iff is pariable energy cost rates). The centred current that device is certified to handle. Device that measures, indicates and sometimes records, the volume of gas that passes through it without interrupting the flow. Defines the type of past than you be specified. Maximum rate of flow which the meter is expected to pass. Perseur less expected across the meter under conditions of maximum flow. Device that measures, indicates and sometimes records, the volume of oil that passes through it without interrupting the flow. Device that measures, indicates and sometimes records, the volume of oil that passes through it without interrupting the flow.	#GFlowMeter										
Flow M Me M	te Dameter deter deter deter Type rpose and Out Type and Out Type and Out Type defending ergy Meter Mustipe Tariff Nommal Current Mustipe Tariff Nommal Current So Meter Gas Type Maximum Fresure Loss Maximum Pressure Loss Maximum Pressure Loss Maximum Pressure Loss Meter Connection Size Maximum Prow Rate Maximum Prow Rate Maximum Prow Rate	Number Text Text Logic Number Text Number Text Number Number Number Number Number	Amps Amps Inch Cubic Pt / Min PSI	mm Liters/Min Pa	nergy, Gas, Oli, Water, User Defined Master, Submaster, Master, Submaster, Olid, Oljak, Other, Not Snoon, Uniter True or False	The intel dameter of the brenching intel. A flow meet is a device that is used to measure the flow rate in a system. Identifies the predefined space of meter from which the type required may be set. Enumeration defining the purpose of the flow meter occurrence. Enumeration defining the purpose of the flow meter takes, in the case of a dial read out, this may comprise multiple dials that discussion of the form that enabour from the meter takes, in the case of a dial read out, this may comprise multiple dials that discussion of the form that enabour from the meter takes, in the case of a dial read out, this may comprise multiple dials that discussion of the form that enabour from the meter takes in the case of a dial read out, this may comprise multiple dials that discussion extends a commentation of the case of a dial read out, this may comprise multiple dials that discussion extends a commentation of the case of a dial read out, this may comprise multiple dials that the case of the case of a dial read out, this may comprise multiple dials that the case of a dial read out the pass out the dial read out the pass out that the dial read out the pass out the dial read out the pass out the dial read out											
Flow M Me Pur Residence Reference Re	tel Dameter Meter ster Type ad Out Type mote Reading seep Meter Massmen Current Multiple Tariff Nominal Current is Meter Connection Size Gos Type Maximum Flow Rate Maximum Flow Rate Maximum Flow Rate Maximum Flow Rate Maximum Flows Rate Maxi	Number Text Text Logic Number Text Number Text Number Number Number Number Number	Amps Amps Inch Cubic R1/Min P5I Inch	mm Liters/Min Pa mm Liters/Min	nergy, Gas, Oli, Water, User Defined Master, Submaster Master, Submaster Misser, Submaster Misser, Other, Not Known, Unset True or False	The inter dameter of the brenching intel. A flow meter is a device that is used to measure the flow rate in a system. dentifies the predefined types of meter from which the type required may be set. Enumeration defining the purpose of the flow meter occurrence. Indication of the form that readout from the meter takes, in the case of a dial read out, this may comprise multiple dials that does a comulative reading and/or a mechanical odornetur. Indication enter the meter has a connection for remote reading through connection of a communication device (set TRUE) or not leaf X-XIA. The member has a connection for remote reading through connection of a communication device (set TRUE) or not leaf X-XIA. The measure allowed correct that a device is certified to handle. Indicates whether meter has built in support for multiple set if it is provided energy cost rates). The maximum allowed correct that a device is certified to handle. Indicates whether meter has built-in support for multiple set iff is pariable energy cost rates). The centred current that device is certified to handle. Device that measures, indicates and sometimes records, the volume of gas that passes through it without interrupting the flow. Defines the type of past than you be specified. Maximum rate of flow which the meter is expected to pass. Perseur less expected across the meter under conditions of maximum flow. Device that measures, indicates and sometimes records, the volume of oil that passes through it without interrupting the flow. Device that measures, indicates and sometimes records, the volume of oil that passes through it without interrupting the flow.											
Flow M Me Pur Residence Reference Re	tel Dameter Meter ster Type ad Out Type mote Reading sept Meter Manneum Current Multiple Tauff Nommal Current Ster Sommal Current s Meter Connection Size Gas Type Maximum Flow Rate	Number Text Text Logic Number Text Number Text Number Number Number Number Number Number	Amps Amps Inch Cubic R1/Min P5I Inch	mm Ulters/Min Pa Unters/Min Att	nergy, Gas, Oli, Water, User Defined Matter, Submister, Matter, Submister, Olis, Opital, Other, Not Known, Uniter True or False True or False montpheric Vacuum breaker, montpheric Vacuum breaker, montpheric Vacuum breaker	The inter dameter of the brenching intel. A flow meter is a device that is used to measure the flow rate in a system. dentifies the predefined types of meter from which the type required may be set. Enumeration defining the purpose of the flow meter occurrence. Indication of the form that readout from the meter takes, in the case of a dial read out, this may comprise multiple dials that does a comulative reading and/or a mechanical odornetur. Indication enter the meter has a connection for remote reading through connection of a communication device (set TRUE) or not leaf NASI-Manillaneurs, indicates and connections for remote reading through connection of a communication device (set TRUE) or not leaf NASI-Manillaneurs, indicates and connections or remote reading through connection of a communication device (set TRUE) or not leaf NASI-Manillaneurs, indicates and connections scredited to handle. Indicates whether meter has built-in support for multiple set/ff is variable energy cost rates). The maximum alleval out or that is designed to be measured. Device that measures, indicates and sometimes records, the volume of gas that passes through it without interrupting the flow. Defines the tips of plant and outside piac connections to the meter. Offeres the types of past transplay begonded arous the meter under conditions of maximum flow. Device that measures, indicates and sometimes records, the volume of oil that passes through it without interrupting the flow. Device that measures, indicates and sometimes records, the volume of oil that passes through it without interrupting the flow. Device that measures, indicates and sometimes records, the volume of oil that passes through it without interrupting the flow. Device that measures, indicates and sometimes records, the volume of water that passes through it without interrupting the flow. Device that measures, indicates and sometimes records, the volume of water that passes through it without interrupting the flow.											
Flow M Me Pur Residence Reference Re	tel Dameter Meter ster Type ad Out Type mote Reading sept Meter Manneum Current Multiple Tauff Nommal Current Ster Sommal Current s Meter Connection Size Gas Type Maximum Flow Rate	Number Text Text Logic Number Text Number Text Number Number Number Number Number Number	Amps Amps Inch Cubic R1/Min P5I Inch	nen Libers/Men Libers/Men Att	nergy, Gas, Oli, Water, User Defined Master, Submaster, Master, Submaster, Master, Submaster, Master, Submaster, Master, Submaster, Master, Manoun Dist, Digital, Other, Not Knoon, United True or False True or False moupheric Vaccium breaker, Anti Siphon valve, Double moupheric Vaccium breaker, Anti Siphon valve, Double	The inter dameter of the brenching intel. A flow meter is a device that is used to measure the flow rate in a system. dentifies the predefined types of meter from which the type required may be set. Enumeration defining the purpose of the flow meter occurrence. Indication of the form that readout from the meter takes, in the case of a dial read out, this may comprise multiple dials that does a comulative reading and/or a mechanical odornetur. Indication enter the meter has a connection for remote reading through connection of a communication device (set TRUE) or not leaf NASI-Manillaneurs, indicates and connections for remote reading through connection of a communication device (set TRUE) or not leaf NASI-Manillaneurs, indicates and connections or remote reading through connection of a communication device (set TRUE) or not leaf NASI-Manillaneurs, indicates and connections scredited to handle. Indicates whether meter has built-in support for multiple set/ff is variable energy cost rates). The maximum alleval out or that is designed to be measured. Device that measures, indicates and sometimes records, the volume of gas that passes through it without interrupting the flow. Defines the tips of plant and outside piac connections to the meter. Offeres the types of past transplay begonded arous the meter under conditions of maximum flow. Device that measures, indicates and sometimes records, the volume of oil that passes through it without interrupting the flow. Device that measures, indicates and sometimes records, the volume of oil that passes through it without interrupting the flow. Device that measures, indicates and sometimes records, the volume of oil that passes through it without interrupting the flow. Device that measures, indicates and sometimes records, the volume of water that passes through it without interrupting the flow. Device that measures, indicates and sometimes records, the volume of water that passes through it without interrupting the flow.											
Flow M Me Pur Residence Reference Re	tel Dameter Meter ster Type ad Out Type mote Reading sept Meter Manneum Current Multiple Tauff Nommal Current Ster Sommal Current s Meter Connection Size Gas Type Maximum Flow Rate	Number Text Text Logic Number Text Number Text Number Number Number Number Number Number	Amps Amps Inch Cubic R1/Min P5I Inch	non Uters/Min Pa non Uters/Min Add Add	nergy, Gas, Oli, Water, User Defined Matter, Submister, Matter, Submister, Olis, Opital, Other, Not Known, Uniter True or False True or False montpheric Vacuum breaker, montpheric Vacuum breaker, montpheric Vacuum breaker	The inter dameter of the brenching intel. A flow meter is a device that is used to measure the flow rate in a system. dentifies the predefined types of meter from which the type required may be set. Enumeration defining the purpose of the flow meter occurrence. Indication of the form that readout from the meter takes, in the case of a dial read out, this may comprise multiple dials that does a comulative reading and/or a mechanical odornetur. Indication enter the meter has a connection for remote reading through connection of a communication device (set TRUE) or not leaf NASI-Manillaneurs, indicates and connections for remote reading through connection of a communication device (set TRUE) or not leaf NASI-Manillaneurs, indicates and connections or remote reading through connection of a communication device (set TRUE) or not leaf NASI-Manillaneurs, indicates and connections scredited to handle. Indicates whether meter has built-in support for multiple set/ff is variable energy cost rates). The maximum alleval out or that is designed to be measured. Device that measures, indicates and sometimes records, the volume of gas that passes through it without interrupting the flow. Defines the tips of plant and outside piac connections to the meter. Offeres the types of past transplay begonded arous the meter under conditions of maximum flow. Device that measures, indicates and sometimes records, the volume of oil that passes through it without interrupting the flow. Device that measures, indicates and sometimes records, the volume of oil that passes through it without interrupting the flow. Device that measures, indicates and sometimes records, the volume of oil that passes through it without interrupting the flow. Device that measures, indicates and sometimes records, the volume of water that passes through it without interrupting the flow. Device that measures, indicates and sometimes records, the volume of water that passes through it without interrupting the flow.											
Flow M Me Pur Residence Reference Re	tel Dameter Meter ster Type ad Out Type mote Reading sept Meter Manneum Current Multiple Tauff Nommal Current Ster Sommal Current s Meter Connection Size Gas Type Maximum Flow Rate	Number Text Text Logic Number Text Number Text Number Number Number Number Number Number	Amps Amps Inch Cubic R1/Min P5I Inch	non Uters/Min Pa non Uters/Min Add Add	nergy, Gas, Oli, Water, User Defined Master, Submaster, Defined Master, Submaster, Other, Unknown Ost, Olgata, Other, Not Ropen, United True or False True or False Anna Spikon wider, Double Check Backflow Preventer Check Stanfow Preventer Standard Pressure Vacuum breaker Reduced Pressure Backflow Preventer Standard Pressure Vacuum breaker Reduced Pressure Backflow Preventer Standard Pressure Vacuum breaker Reduced Pressure Backflow Preventer Standard	The inter dameter of the brenching intel. A flow meter is a device that is used to measure the flow rate in a system. dentifies the predefined types of meter from which the type required may be set. Enumeration defining the purpose of the flow meter occurrence. Indication of the form that readout from the meter takes, in the case of a dial read out, this may comprise multiple dials that does a comulative reading and/or a mechanical odornetur. Indication enter the meter has a connection for remote reading through connection of a communication device (set TRUE) or not leaf NASI-Manillaneurs, indicates and connections for remote reading through connection of a communication device (set TRUE) or not leaf NASI-Manillaneurs, indicates and connections or remote reading through connection of a communication device (set TRUE) or not leaf NASI-Manillaneurs, indicates and connections scredited to handle. Indicates whether meter has built-in support for multiple set/ff is variable energy cost rates). The maximum alleval out or that is designed to be measured. Device that measures, indicates and sometimes records, the volume of gas that passes through it without interrupting the flow. Defines the tips of plant and outside piac connections to the meter. Offeres the types of past transplay begonded arous the meter under conditions of maximum flow. Device that measures, indicates and sometimes records, the volume of oil that passes through it without interrupting the flow. Device that measures, indicates and sometimes records, the volume of oil that passes through it without interrupting the flow. Device that measures, indicates and sometimes records, the volume of oil that passes through it without interrupting the flow. Device that measures, indicates and sometimes records, the volume of water that passes through it without interrupting the flow. Device that measures, indicates and sometimes records, the volume of water that passes through it without interrupting the flow.											
Flow M Me Pur Residence Reference Re	tel Dameter Meter ster Type ad Out Type mote Reading sept Meter Manneum Current Multiple Tauff Nommal Current Ster Sommal Current s Meter Connection Size Gas Type Maximum Flow Rate	Number Text Text Logic Number Text Number Text Number Number Number Number Number Number	Amps Amps Inch Cubic R1/Min P5I Inch	non Uters/Min Pa non Uters/Min Add Add	mergy, Gas, Oli, Water, User Defined Master, Submaster, Master, Submaster, Master, Submaster, Submaster, Submaster, Chen, Unknown Dial, Digital, Other, Not Xinown, Unset True or False True or False and Submasser Master Maste	The inter dameter of the brenching intel. A flow meter is a device that is used to measure the flow rate in a system. dentifies the predefined types of meter from which the type required may be set. Enumeration defining the purpose of the flow meter occurrence. Indication of the form that readout from the meter takes, in the case of a dial read out, this may comprise multiple dials that does a comulative reading and/or a mechanical odornetur. Indication enter the meter has a connection for remote reading through connection of a communication device (set TRUE) or not leaf NASI-Manillaneurs, indicates and connections for remote reading through connection of a communication device (set TRUE) or not leaf NASI-Manillaneurs, indicates and connections or remote reading through connection of a communication device (set TRUE) or not leaf NASI-Manillaneurs, indicates and connections scredited to handle. Indicates whether meter has built-in support for multiple set/ff is variable energy cost rates). The maximum alleval out or that is designed to be measured. Device that measures, indicates and sometimes records, the volume of gas that passes through it without interrupting the flow. Defines the tips of plant and outside piac connections to the meter. Offeres the types of past transplay begonded arous the meter under conditions of maximum flow. Device that measures, indicates and sometimes records, the volume of oil that passes through it without interrupting the flow. Device that measures, indicates and sometimes records, the volume of oil that passes through it without interrupting the flow. Device that measures, indicates and sometimes records, the volume of oil that passes through it without interrupting the flow. Device that measures, indicates and sometimes records, the volume of water that passes through it without interrupting the flow. Device that measures, indicates and sometimes records, the volume of water that passes through it without interrupting the flow.											
Flow M Me Put Rei Rei Ref Ga Ga Www	tel Dameter Meter ster Type ad Out Type mote Reading sept Meter Manneum Current Multiple Tauff Nommal Current Ster Sommal Current s Meter Connection Size Gas Type Maximum Flow Rate	Number Text Text Logic Number Text Number Text Number Number Number Number Number Number	Amps Amps Inch Cubic R1/Min P5I Inch	non Uters/Min Pa non Uters/Min Add Add	mergy, Gas, Oli, Water, User Defined Master, Submaster, Master, Submaster, Olid, Oljak, Other, Not Snoon, Uniter True or False mospheric Vacuum breaker, Anti Spéno rules, Deutser Anti Spéno rules, Deutser Anti Spéno rules, Deutser Persona Vacuum breaker, Persona Vacuum breaker, Other Not Known	The inter dameter of the brenching intel. A flow meter is a device that is used to measure the flow rate in a system. dentifies the predefined types of meter from which the type required may be set. Enumeration defining the purpose of the flow meter occurrence. Indication of the form that readout from the meter takes, in the case of a dial read out, this may comprise multiple dials that does a comulative reading and/or a mechanical odornetur. Indication enter the meter has a connection for remote reading through connection of a communication device (set TRUE) or not leaf NASI-Manieures, indicates and sometimes records, the energy usage in a system. The maximum allevation current that a device is certified to handle. Indicates whether meter has business is certified to handle. Indicates whether meter has business is certified to handle. Indicates whether meter has business scending to the properties of the system. The maximum allevation current that devices its certified to handle. Indicates whether meter has business scending to which the energy cost raters). The command current that designed to be measured. Device that measures, indicates and sometimes records, the volume of gas that passes through it without interrupting the flow. Defines the type of past than you be specified. Maximum rate of flow which the meter is expected to pass. Persecur bess expected across the meter under conditions of maximum flow. Device that measures, indicates and sometimes records, the volume of oil that passes through it without interrupting the flow. Device that measures, indicates and sometimes records, the volume of oil that passes through it without interrupting the flow. Device that measures, indicates and sometimes records, the volume of water that passes through it without interrupting the flow. Device that measures, indicates and sometimes records, the volume of water that passes through it without interrupting the flow.											
Flow M Me Pur Residence Reference Re	tel Dameter Meter ster Type ad Out Type mote Reading sept Meter Manneum Current Multiple Tauff Nommal Current Ster Sommal Current s Meter Connection Size Gas Type Maximum Flow Rate	Number Text Text Logic Number Text Number Text Number Number Number Number Number Number	Amps Amps Inch Cubic R1/Min P5I Inch	non Uters/Min Pa non Uters/Min Add Add	mergy, Gas, Oli, Water, User Defined Master, Submaster, Master, Submaster, Master, Submaster, Submaster, Submaster, Chen, Unknown Dial, Digital, Other, Not Xinown, Unset True or False True or False and Submasser Master Maste	The inter dameter of the brenching intel. A flow meter is a device that is used to measure the flow rate in a system. dentifies the predefined types of meter from which the type required may be set. Enumeration defining the purpose of the flow meter occurrence. Indication of the form that readout from the meter takes, in the case of a dial read out, this may comprise multiple dials that does a comulative reading and/or a mechanical odornetur. Indication enter the meter has a connection for remote reading through connection of a communication device (set TRUE) or not leaf NASI-Manieures, indicates and sometimes records, the energy usage in a system. The maximum allevation current that a device is certified to handle. Indicates whether meter has business is certified to handle. Indicates whether meter has business is certified to handle. Indicates whether meter has business scending to the properties of the system. The maximum allevation current that devices its certified to handle. Indicates whether meter has business scending to which the energy cost raters). The command current that designed to be measured. Device that measures, indicates and sometimes records, the volume of gas that passes through it without interrupting the flow. Defines the type of past than you be specified. Maximum rate of flow which the meter is expected to pass. Persecur bess expected across the meter under conditions of maximum flow. Device that measures, indicates and sometimes records, the volume of oil that passes through it without interrupting the flow. Device that measures, indicates and sometimes records, the volume of oil that passes through it without interrupting the flow. Device that measures, indicates and sometimes records, the volume of water that passes through it without interrupting the flow. Device that measures, indicates and sometimes records, the volume of water that passes through it without interrupting the flow.											
Flow M Me Me Put Reise Reise Gal	tel Dameter Meter deter Type teter Type and Out Type and Out Type Maximum Current Moditiple Tastif Meter Connection Size Gas Type Maximum Flow Rate Maximum Flow Rate Maximum Pressure Loss Meter Connection Size Gas Type Maximum Flow Rate Maximum Flow Rate Maximum Flow Rate Backflow Preventer Type Backflow Preventer Type	Number Text Text Logic Number Text	Amgs Amgs Inch Cubic R / Min P31 Inch Cubic F1 / Min	non Juers/Min Pe men Libers/Min Au A	mergy, Gas, Oli, Water, User Defined Master, Submaster, Master, Submaster, Olid, Oljak, Other, Not Snoon, Uniter True or False mospheric Vacuum breaker, Anti Spéno rules, Deutser Anti Spéno rules, Deutser Anti Spéno rules, Deutser Persona Vacuum breaker, Persona Vacuum breaker, Other Not Known	The intel dameter of the brenching intel. A flow meter is a detected that is used to measure the flow rate in a system. Identifies the predefined syses of meter from which the type required may be set. Enumeration defining the purpose of the flow meter occurrence. Insufficient on the form that readout from the meter takes. In the case of a dial read-out, this may comprise multiple dials that indicates on the flow that the meter takes. In the case of a dial read-out, this may comprise multiple dials that ages a cumulative reading and/or a mechanical adomneter. Indicates whether the meter has a connection for remote reading through connection of a communication device (set TRUE) or not test FALSE). Device that measures, indicates and sometimes records, the energy usage in a system. The maintenin allowed current that a device a certified to handle. Indicates whether meter has both in support for multiple traffs founded energy cost rates). Device that measures, indicates and sometimes records, the volume of gas that passes through it without interrupting the flow. Defines the size of inlet and outlet piec connections to the meter. Defines the piece of jest but may be specified. Maintenin rate of They which the meter is expected up pass. Pressure loss septicated across the meter under conditions of maintening flow. Defines the size of inlet and outlet piec connections to the meter. Defines the size of inlet and outlet piec connections to the meter. Automation rate of The indicates and sometimes records, the volume of oil that passes through it without interrupting the flow. Defines the size of inlet and outlet piec connections to the meter. Device that measures, indicates and sometimes records, the volume of oil that passes through it without interrupting the flow. Device that measures, indicates and sometimes records, the volume of oil that passes through it without interrupting the flow of the last of the size of instead of sometimes records, the volume of oil that passes through it without inte											
Flow M Me Me Put Research Research Gas Gas Wws	tel Dameter Meker eter Type and Out Type more Reading ergy Meter Multiple Tariff Nominal Current Multiple Tariff Nominal Current Son Type Gos Type Gos Type Connection Sire Connection Sire Connection Sire Substantian Provide Type Backflow Preventer Type Connection Sire	Number Text Text Logic Number Text Number Text Number Text Number Text Number Text Number Text Number Number Number	Amps Amps Inch Cubic R1/Min P5I Inch	E S S S S S S S S S S S S S S S S S S S	mergy, Gas, Oli, Water, User Defined Master, Submaster, Master, Submaster, Olid, Oljak, Other, Not Snoon, Uniter True or False mospheric Vacuum breaker, Anti Spéno rules, Deutser Anti Spéno rules, Deutser Anti Spéno rules, Deutser Persona Vacuum breaker, Persona Vacuum breaker, Other Not Known	The inter dameter of the brenching intel. A flow meet is a desire that is used to measure the flow rate in a system. Identifies the proteflined space of meter from which the type required may be set. Enumeration defining the purpose of the flow meter occurrence. Indication of the form that exadout from the meter takes. In the case of a dial read out, this may comprise multiple dials that give a cumulative rating and/or a mechanical domenter. Indicates whether the meter has a connection for remote reading through connection of a communication device (set TRUE) or only feet flast St. Device that measures, indicates and sometimes records, the energy usage in a system. The maximum allowed current that a device to its certified to handle. Indicates whether efter has built in support for multiple tarffs (variable energy cost steet). The nominal current that is designed to be measured. Device that measures, indicates and sometimes records, the volume of gas that passes through it without interrupting the flow. Defines the size of inlet and outlet pipe connections to the meter. Oethics the types of gas that may be expected. Selection of the control of t											
Flow M Me Mee Put Reise Eni Gas Gas W W W W	tel Dameter Meker deter Type and Out Type more Reading regy Meter Multiple Tariff Nominal Current Multiple Tariff Nominal Current Son Nye Gonection Size Gonection Size Connection Size Substantian Pow Rate Jack How Preventer Type Connection Size Maximum Fow Rate	Number Text Text Logic Number Text Number Text Number Text Number Text Number Text Number	Amps Amps Inch Inch Cube Fr / Min PSI Inch Cube Fr / Min Inch Inch Inch Inch Inch Inch Inch Inc	E S S S S S S S S S S S S S S S S S S S	nergy, Gas, Oli, Water, User Defined Master, Submaster, Manuel Master, Submaster, Other Manuel Master, Submaster, Other Manuel Dist, Digital, Other, Not Mindow, United True or False True or False True or False And Spinon when, Double Manuel	The inter dameter of the broeching intel. A flow meet is a describe that is used to measure the flow rate in a system. Identifies the proteflined space of meter from which the type required may be set. Enumeration defining the purpose of the flow meter accurrence. Indication of the form that exadeout from the meter takes. In the case of a dial read out, this may comprise multiple dials that gate a cumulative rating and/or a mechanical domenter. Indicates whether the meter has a connection for remote reading through connection of a communication device (set TRUE) or not (set FA.SE). Device this measures, indicates and sometimes records, the energy usage in a system. The maximum allowed current that a device is certified to handle. Indicates whether there the substitution of the multiple tarffs (variable energy cost steels). The nominal current that is designed to be measured. Device this measures, indicates and sometimes records, the volume of gas that passes through it without interrupting the flow. Defines the size of sixth and outlet pipe connections to the meter. Maximum rate of flow which the meter a expected dia sixt. Maximum rate of flow which the meter a expected dia sixt. Device that measures, indicates and sometimes records, the volume of pass that passes through it without interrupting the flow. Defines the size of sixth and outlet pipe connections to the meter. Maximum rate of flow which the meter is expected to pass. Device that measures, indicates and sometimes records, the volume of water that passes through it without interrupting the flow. Defines the size of sixth and outlet pipe connections to the meter. Device that measures, indicates and sometimes records, the volume of water that passes through it without interrupting the flow. Device that measures, indicates and sometimes records, the volume of water that passes through it without interrupting the flow. Device that measures, indicates and sometimes records, the volume of water that passes through it without interruptin											
Flow M Me Mee Put Research Research Gas	set Dameter Meter deter Type repose set Type and Out Type mote Reading sergy Meter Maximum Current Moutigle Fairf Mounted Current Mounted Current Set Meter Connection Size Maximum Frow Rite Connection Size Conn	Number Text Text Logic Number Text Number Text Number Text Number Text Number Number Number Number Number Number Number Number Number	Amps Amps Inch Cubic Ri / Min Sil Inch Cubic Ri / Min	non Liters/Min Pa An Liters/Min An Liters/Min An An Liters/Min Res An An An An An An An An An A	nergy, Gas, Oli, Water, User Defined Master, Submaster, Master, Submaster, Olid, Oljak, Other, Not Known, Uniter True or False Immospheric Vacuum breaker, Anti Sephon valve. Double Pressure Vacuum breaker Other Not known Uniset	The intel dameter of the brenching intel. A flow meter is a device that is used to measure the flow rate in a system. Identifies the predefined space of meter from which the type required may be set. Enumeration defining the purpose of the flow meter occurrence. Enumeration defining the purpose of the flow meter accurrence. Indication of the form that readout from the meter takes. In the case of a disirred out, this may comprise multiple dish that give a cumulative reading and/or a mechanical adometer. Indicates whether the meter has a connection for remote reading through connection of a communication device (set TRUE) or not test FALSE). Device that measures, indicates and iometimes records, the energy usige in a system. The maximum slawed current that a device is certified to handle using in a system. The maximum slawed current that a device is or entitled to handle the fits possible energy cost rates). The examination that is desgred to be removable. Device this measures, indicates and iometimes records, the volume edge shift passes through it without interrupting the flow. Defines the size of inter and outlet pipe connections to the meter. Defines the types of gas that range be specified. Maximum rate of flow which the meter is aspected to pass. Pressure bus septicated across the meter under conditions of maximum flow. Device that measures, indicates and iometimes records, the volume of oil that passes through it without interrupting the flow. Defines the size of inter and outlet pipe connections to the meter. Missimum rate of flow which the meter is expected to pass. Device that measures, indicates and iometimes records, the volume of water that passes through it without interrupting the flowers that the size of inter and outlet pipe connections to the meter. Missimum rate of flow which the meter is expected to pass.											
Flow Mr. Median Resident Resid	tel Dameter Meker deter Type and Out Type more Reading regy Meter Multiple Tariff Nominal Current Multiple Tariff Nominal Current Son Nye Gonection Size Gonection Size Connection Size Substantian Pow Rate Jack How Preventer Type Connection Size Maximum Fow Rate	Number Text Text Logic Number Text Number Text Number Text Number Text Number Text Number	Amps Amps Inch Cubic Ri / Min Sil Inch Cubic Ri / Min	non Liters/Min Pa An Liters/Min An Liters/Min An An Liters/Min Res An An An An An An An An An A	nergy, Gas, Oli, Water, User Defined Master, Submaster, Manuel Master, Submaster, Other Manuel Master, Submaster, Other Manuel Dist, Digital, Other, Not Mindow, United True or False True or False True or False And Spinon when, Double Manuel	The intel dameter of the brenching intel. A flow meet is a device that is used to measure the flow rate in a system. Identifies the predefined space of meter from which the type required may be set. Enumeration defining the purpose of the flow meter occurrence. Enumeration defining the purpose of the flow meter takes, in the case of a dial read out, this may comprise multiple dials that dials a cumulative reading and/or an rechardate of domester. Indicates whether the meter has a connection for remote reading through connection of a communication device (set TRUE) or not (set FASES). Device this measures, indicates and sometimes records, the energy usage in a system. The maximum allowed current that a device is certified to handle traffs (unsible energy cost rates). The maximum allowed current that a device is certified to though the set of this and confidence and connections to the meter. Defines the size of the set of the											
Flow M Me M	tel Claimeter deter deter deter Type and Out Type more Reading regy Meter Multiple Tariff Nominal Current Multiple Tariff Nominal Current Son Nye Gonection Size Gonection Size Connection Size Connection Size Assumen Pow Rate Lack How Preventer Type Connection Size Maximum Pow Rate	Number Text Text Logic Number Text Number Text Number Text Number Text Number Text Number	Amps Amps Inch Cubic Ri / Min Sil Inch Cubic Ri / Min	non Liters/Min Pa An Liters/Min An Liters/Min An An Liters/Min Res An An An An An An An An An A	mergy, Gas, Oli, Water, User Defined Master, Submaster, Manuel Master, Submaster, Other Manuel Master, Submaster, Other Manuel Master, Submaster, Other Manuel Master, Manuel Master, Manuel Master, Manuel Master, Manuel Manuel Master, Manuel Master, Manuel Master, Manuel Master, Manuel Man	The inter dameter of the broeching intel. A flow meet is a describe that is used to measure the flow rate in a system. Identifies the proteflined space of meter from which the type required may be set. Enumeration defining the purpose of the flow meter accurrence. Indication of the form that exadeout from the meter takes. In the case of a dial read out, this may comprise multiple dials that gate a cumulative rating and/or a mechanical domenter. Indicates whether the meter has a connection for remote reading through connection of a communication device (set TRUE) or not (set FA.SE). Device this measures, indicates and sometimes records, the energy usage in a system. The maximum allowed current that a device is certified to handle. Indicates whether there the substitution of the multiple tarffs (variable energy cost steels). The nominal current that is designed to be measured. Device this measures, indicates and sometimes records, the volume of gas that passes through it without interrupting the flow. Defines the size of sixth and outlet pipe connections to the meter. Maximum rate of flow which the meter a expected dia sixt. Maximum rate of flow which the meter a expected dia sixt. Device that measures, indicates and sometimes records, the volume of pass that passes through it without interrupting the flow. Defines the size of sixth and outlet pipe connections to the meter. Maximum rate of flow which the meter is expected to pass. Device that measures, indicates and sometimes records, the volume of water that passes through it without interrupting the flow. Defines the size of sixth and outlet pipe connections to the meter. Device that measures, indicates and sometimes records, the volume of water that passes through it without interrupting the flow. Device that measures, indicates and sometimes records, the volume of water that passes through it without interrupting the flow. Device that measures, indicates and sometimes records, the volume of water that passes through it without interruptin											
Flow M Me Mee Put Research Research Gas	tel Claimeter deter deter deter Type and Out Type more Reading regy Meter Multiple Tariff Nominal Current Multiple Tariff Nominal Current Son Nye Gonection Size Gonection Size Connection Size Connection Size Assumen Pow Rate Lack How Preventer Type Connection Size Maximum Pow Rate	Number Text Text Logic Number Text Number Text Number Text Number Text Number Text Number	Amps Amps Inch Cubic Ri / Min Sil Inch Cubic Ri / Min	non Liters/Min Pa An Liters/Min An Liters/Min An An Liters/Min Res An An An An An An An An An A	mergy, Gas, Oli, Water, User Defined Master, Submaster, Manuel Master, Submaster, Other Manuel Master, Submaster, Other Manuel Master, Submaster, Other Manuel Master, Manuel Master, Manuel Master, Manuel Master, Manuel Manuel Master, Manuel Master, Manuel Master, Manuel Master, Manuel Man	The inter dameter of the brenching intel. A flow meet is a desired that is used to measure the flow rate in a system. Identifies the predefined space of meter from which the type required may be set. Enumeration defining the purpose of the flow meter occurrence. Enumeration defining the purpose of the flow meter takes, in the case of a dial read out, this may comprise multiple dials that dials a cumulative reading and/or an rechardated domester. Indicates whether the meter has a connection for remote reading through connection of a communication device (set TRUE) or not (set FASES). Device this measures, indicates and sometimes records, the energy usage in a system. The maximum allowed current that a device is certified to handle. Indicates whether meeter has built in support for multiple tariffs (variable energy cost rates). The nominal current that designed to be measured. Device this measures, indicates and sometimes records, the volume of gas that passes through it without interrupting the flow. Device that measures, indicates and sometimes records, the volume of gas that passes through it without interrupting the flow. Service the types of gas that may be specified. Maximum rate of Thou which the meeter is expected to pass. Pressure loss expected across the meter under conditions of maximum flow. Device that measures, indicates and sometimes records, the volume of water that passes through it without interrupting the flow. Device that measures, indicates and sometimes records, the volume of water that passes through it without interrupting the flow. Device that measures, indicates and sometimes records, the volume of water that passes through it without interrupting the flow. Device that measures, indicates and sometimes records, the volume of water that passes through it without interrupting the desirable size of inite and outlet pipe connections to the meter. Maximum rate of Thou which the meeter is expected to pass. Device that measures, indicates and sometimes records, the volume of											
Flow M Me Me Put Reise Reise Galactic G	tel Claimeter deter deter deter Type and Out Type more Reading regy Meter Multiple Tariff Nominal Current Multiple Tariff Nominal Current Son Nye Gonection Size Gonection Size Connection Size Connection Size Assumen Pow Rate Lack How Preventer Type Connection Size Maximum Pow Rate	Number Text Text Logic Number Text Number Text Number Text Number Text Number Text Number	Amps Amps Inch Cubic Ri / Min Sil Inch Cubic Ri / Min	non Liters/Min Pa An Liters/Min An Liters/Min An An Liters/Min Res An An An An An An An An An A	mergy, Gas, Oli, Water, User Defined Master, Submaster, Manuel Master, Submaster, Other Manuel Master, Submaster, Other Manuel Master, Submaster, Other Manuel Master, Manuel Master, Manuel Master, Manuel Master, Manuel Manuel Master, Manuel Master, Manuel Master, Manuel Master, Manuel Man	The intel dameter of the brenching intel. A flow meet is a device that is used to measure the flow rate in a system. Identifies the predefined space of meter from which the type required may be set. Enumeration defining the purpose of the flow meter occurrence. Enumeration defining the purpose of the flow meter takes, in the case of a dial read out, this may comprise multiple dials that dials a cumulative reading and/or an rechardate of domester. Indicates whether the meter has a connection for remote reading through connection of a communication device (set TRUE) or not (set FASES). Device this measures, indicates and sometimes records, the energy usage in a system. The maximum allowed current that a device is certified to handle traffs (unsible energy cost rates). The maximum allowed current that a device is certified to though the set of this and confidence and connections to the meter. Defines the size of the set of the											

Hose Reel Mounting Type Hose Nozzle Type Classification Authority														т — т		
Classification Authority	Text				Identifies the predefined types of hose reel mounting						+'	+	+	++		
Classification Authority	Text				Identifies the predefined types of nozzle spray pattern				_		+	++		++		
Class Of Service	Text			NFPA, FEMA	The name of the authority that applies the classification of service to the hose reel A classification of usage of the hose reel that may be applied.					 	+	+-+	\vdash	+-+	-	-
Hose Diameter	Number	Inch	mm	+	Notional diameter (bore) of the hose.						+	++	\vdash	+-+		
Hose Length	Number	Inch	mm	+	Notional diameter (core) or the hose. Nominal length of the hose fitted to the hose reel when fully extended.						+	++	\vdash	+-+		
Hose Reel Type	Text	men	T	-	Identifies the predefined types of hose arrangement	,					1	†		-		
Inlet Connection Size	Number	Inch	mm	1	Size of the inlet connection to the hose reel.						+	 	-			
Hydrant					Device, fitted to a pipe, through which a temporary supply of water may be provided (BS6100 330 6107)	IfcFireSuppressionTerminal					_					
-,			1	A contract of	, , , , , , , , , , , , , , , , , , , ,	,					/	4	1	4 1		
Fire Hydrant Type	Text			DryBarrel, WetBarrel, User	Defines the range of hydrant types from which the required type can be selected where.						1					
4			1	defined	,	. '							1			
Body Color	Text		1		Color of the body of the hydrant.	,					'		1			
			1	for statutory colors	'	,					'		1			
						<u> </u>										
Cap Color	Text		1		Color of the caps of the hydrant.	,					'		1			
			1	for statutory colors	'	,					'		1			
												+	\vdash			
Discharge Flow Rate		Gallons/Min	Liters/Min		The volumetric rate of fluid discharge.							+	\vdash			
Flow Class	Text				AlphaNumber indication of the flow class of a hydrant						+'	++	\vdash	++		
Hose Connection Size	Number	Inch	mm	+	The size of connections to which a hose may be connected (other than that to be linked to a pumping unit).						+'	++	\vdash	++		
Number Of Hose Connections Pressure Rating	Number Number	None PSI	Pa	+	The number of hose connections on the hydrant (excluding the pumper connection).						+'	+	\vdash	+		
Pressure Rating	Number		Pa mm	+	Maximum pressure that the hydrant is manufactured to withstand.						+'	++	\vdash	++		
Pumper Connection Size Water Is Potable	Number Logic	Inch	mm	True or False	The size of a connection to which a fire hose may be connected that is then linked to a pumping unit.				_		+	++		++		
Pump	LUGIC			True or Faise	Indication of whether the water flow from the hydrant is potable (set TRUE) or non potable (set FALSE). A pump is a device which imparts mechanical work on fluids or slurries to move them through a channel or pipeline. A typical	Ma Durana						-				
Pump			1	A contract of	use of a pump is to circulate chilled water or heating hot water in a building services distribution system	ircrump					/	4	1	4 1		
			1	A contract of	use of a pump is to circulate crimed water of meating not water in a building services distribution system						/	4	1	4 1		
Pump Type	Text			+	The property enumeration defines the types of pump that may be specified within the property set.						+	\vdash	$\overline{}$			
Base Type	Text			Frame Rase None Other	Defines general types of pump bases.					1	+-	+		+		
Connection Size	Number	Inch	mm	, suse, none, outer	The connection size of the to and from the pump.				_	†	+	+	$\overline{}$	-		-
Drive Connection Type	Text				The way the pump drive mechanism is connected to the pump					t e		\vdash	$\overline{}$	-		
4			1	Coupling, Other		1			1	1	1 '	1	1			
Flow Rate Range	Number	Gallons/Min	Liters/Min		Allowable range of volume of fluid being pumped against the resistance specified.	·					т -					
Flow Resistance Range	Number	Kv or Cv		1	Allowable range of frictional resistance against which the fluid is being pumped.	·					_					
Flowrate		Gallons/Min	Liters/Min		The actual operational fluid flowrate.	i I					T					
Impeller Diameter	Number	Inch	mm		Diameter of pump impeller											
Mechanical Efficiency	Number	Percentage			The pumps operational mechanical efficiency.	i I					T					
Net Positive Suction Head	Number	NPSH		T	Minimum liquid pressure at the pump inlet to prevent cavitation.	·					\Box					
Nominal Rotation Speed	Number	RPM			Pump rotational speed under nominal conditions.	i I					T					
Overall Efficiency	Number				The pump and motor overall operational efficiency.											
Power	Number	Voltage			The actual power consumption of the pump.	i I					T					
Pressure Rise	Number	PSI	Pa		The developed pressure.											
Rotation Speed	Number	RPM			Pump rotational speed.	. —				1	1	1	1			
Temperature Range	Number	Degrees F	Degrees C		Allowable operational range of the fluid temperature.											
Sprinkler Head					Device for sprinkling water from a pipe under pressure over an area (BS6100 100 3432)	IfcFireSuppressionTerminal										
				4												
Sprinkler Type	Text			1	Identifies the predefined types of sprinkler from which the type required may be set.	ļ'					<u> </u>	\perp	lacksquare			
Activation	Text			1	Identifies the predefined methods of sprinkler activation	ļ	ļ			ļ	4	$\perp \! \! \perp \! \! \perp$	\vdash	\bot		
Activation Temperature	Number	Degrees F	Degrees C		The temperature at which the object is designed to activate.	ļ			_	1	4	+	\vdash	-		
Bulb Liquid Color	Text			+	The color of the liquid in the bulb for a bulb activated sprinkler	ļ!				1		+	-	\longrightarrow		
Connection Size	Number	Inch	mm		Size of the inlet connection to the sprinkler.	ļ				1	4	oxdot	\vdash	++		
Coverage Area	Number	SF			The area that the sprinkler is designed to protect.	ļ!	ļ		_	!	+'	\vdash	\vdash	+		
Discharge Coefficient	Number	Kv or Cv			The coefficient of flow at the sprinkler.	t'					+	+	\vdash	4		
Discharge Flow Rate	Number	GPM			The volumetric rate of fluid discharge.	ļ!			_	!	+'	\vdash	\vdash	+		
Has Deflector	Logic		1	True or False	Indication of whether the sprinkler has a deflector (baffle) fitted to diffuse the discharge on activation (= TRUE) or not (= FALSE).		1			1	1		1	1 1		
Maximum Working Pressure	Number	PSI	Pa	+	Maximum pressure that the object is manufactured to withstand.					1	+	\rightarrow	$\overline{}$	+		
Residual Flowing Pressure	Number	PSI	Pa	1	The residual flowing pressure in the pipeline at which the discharge flow rate is determined.						+	 	-			
Response	Text				Identifies the predefined methods of sprinkler response											
Tank						IfcTank										
Tank Type	Text			Fuel, Oil, Water, Rain Water,	Identifies the predefined types of tank from which the type required may be set.	,					1		-			
Nominal Capacity	Number	Gallons	Liters		The total nominal or design volumetric capacity of the tank.	í '										
Access Type	Text				Defines the types of access (or cover) to a tank	<u> </u>										
Effective Capacity	Number		Liters		The total effective or actual volumetric capacity of the tank.			1 1		\perp	\perp	$oldsymbol{ol}}}}}}}}}}}}}}}}}$, —	1		
End Shape Type		Gallons			Defines the types of end shapes that can be used for preformed tanks					1 -		1 7				
	Text			4												
First Curvature Radius	Text Number	Inch	mm		First Curvature Radius should be defined as the base or left side radius of curvature value.									\blacksquare		
Has Ladder	Text Number Logic			True or False	First Curvature Radius should be defined as the base or left side radius of curvature value. Indication of whether the tank is provided with a ladder(TRUE) or no ladder(FALSE)											
Has Ladder Has Visual Indicator	Text Number Logic Logic	Inch	mm	True or False	First Curvature Radius should be defined as the base or left side radius of curvature value. Indication of whether the tank is provided with a ladder(TRUE) or no ladder(FALSE) Indication of whether the tank is provided with a visual indicator(TRUE) or no visual indicator(FALSE)											
Has Ladder Has Visual Indicator Nominal Depth	Number Logic Logic Number	Inch	mm	True or False	First Curvature Radius should be defined as the base or left side radius of curvature value. Indication of whether the tank is provided with a ladder[RIJG] or no ladder[RIJG] Indication of whether the tank is provided with a visual indicator[RIJG] or no visual indicator[RIJG] Indication of whether the tank is provided with a visual indicator[RIJG] or no visual indicator[RIJG] The nominal depth of the tank											
Has Ladder Has Visual Indicator Nominal Depth Nominal Length Or Diameter	Text Number Logic Logic Number Number	Inch Inch Inch	mm mm mm	True or False	First Curvature Radius should be defined as the base or left ider radius of curvature value. Indication of whether the tank is provided with a ludder[TRAIS] Indication of whether the tank is growided with a visual indicator[TRAIS] or no visual indicator[FAIS] The rominal depth of the tank The nominal depth of, in the case of a vertical cylindrical tank, the nominal diameter of the tank.											
Has Ladder Has Visual Indicator Nominal Depth Nominal Length Or Diameter Nominal Width Or Diameter	Text Number Logic Logic Number Number Number	Inch Inch Inch	mm	True or False	First Curvature Radius should be defined as the base or left side radius of curvature value. Indication of whether the tank is provided with a sidest/FIRISD or blodder/FIALSS Indication of whether the tank is provided with a visual indicator/FIALSG or would indicater/FIALSG The norminal degrin or, in the case of a vertical cylindrical tank, the norminal diameter of the tank. The norminal length or, in the case of a vertical cylindrical tank, the norminal diameter of the tank. Note: Not required for a											
Has Jadder Has Visual Indicator Nominal Depth Nominal Length Or Diameter Nominal Width Or Diameter Number Of Sections	Text Number Logic Logic Number Number Number Number	Inch Inch Inch Inch None	mm mm mm	True or False	First Curvature Radius should be defined as the base or left side radius of curvature value. Indication of whether the tanks is provided with a loader (TRUE) or no visual indicator(FALSE) Indication of shether the tank is provided with a visual indicator(TRUE) or no visual indicator(FALSE) Indication of shether the tank is provided with a visual indicator(TRUE) or no visual indicator(FALSE) The cominated short the tank The cominated short of the tank The cominated short of the tank The cominated short or, in the case of a vertical cylindrical tank, the nominal diameter of the tank. The cominate of the comistruction of the tank											
Nas Ladder Has Visual Indicator Nominal Depth Nominal Length Or Diameter Nominal Weith Or Diameter Nominal Weith Or Diameter Number Of Sections Operating Weight	Text Number Logic Logic Number Number Number Number Number Number	Inch Inch Inch	mm mm mm	True or False	First Convariance Radius should be defined as the base or left side radius of convariance value. Indication of whether the tank is growded with a sidest/FIRSI or to indider/FIRSI or indication of shether the tank is growded with a visual indicator/FIRSI or not visual indicator/FIRSI or indicator of the tank. The rominal length or in the case of a vertical cylindrical tank, the nominal diameter of the tank. The rominal width or in the case of a vertical cylindrical tank, the nominal diameter of the tank. Note: Not required for a Number of sections used in the contraction of the tank.											
Has Ladder Has Visual Indicator Nominal Depth Nominal Lepth or Diameter Nominal Width Or Diameter Nominal Width Or Diameter Number Of Sections Operating Weight Pattern Type	Text Number Logic Logic Number Number Number Number Number Number Text	Inch Inch Inch Inch Inch Lbs	mm mm mm mm	True or False	First Curvature Radius should be defined as the base or left side radius of curvature value. Indication of whether the tanks is croised with a visual indicatorITE in builder(IRLS) = indication of whether the tanks is croised with a visual indicator(TRUE) or no visual indicator(TRUE). The committed seth of the tank The committed seth of the tank The committed seth or, in the case of a vertical cylindrical tank, the nominal diameter of the tank. Note: Not required for a Number of sections used in the construction of the tank Operating weight of the tank including all of its contents.											
Nas Ludder Has Yasia Michater Nominia Depth Nominia Length Or Diameter Nominia Width Cr Diameter Nominia Width Cr Diameter Number Of Sections Operating Weight Pattern Type Second Curvature Radius	Text Number Logic Logic Number Number Number Number Number Number Number	Inch Inch Inch Inch None	mm mm mm	True or False	First Curvature Radius should be defined as the base or left side radius of curvature value. Indication of whether the tank is provided with a sides/TRISD or toolbed/TRIASS indication of shether the tank is provided with a sides and indicator(TRIAS) indication of shether the tank is provided with a visual indicator(TRIASS). The nominal sides for the tank. The nominal sides for in the case of a vertical cylindrical tank, the nominal diameter of the tank. The nominal width or, in the case of a vioritual cylindrical tank, the nominal diameter of the tank. Note: Not required for a Number of sections used in the construction of the tank. Number of sections used in the construction of the tank. Defines the types of pattern for shape of a tank) that may be specified. Defines the types of pattern for shape of a tank) that may be specified.											
His Ludder His Yasia Indicator Noninai Degith Noninai Legith Or Diameter Noninai Woth Noni	Text Number Logic Logic Number Number Number Number Number Number Text Number Text Number	Inch Inch Inch Inch Inch Lbs	mm mm mm mm	True or False	First Curvature Radius should be defined as the base or left side radius of curvature value. Indication of whether the tanks is provided with a visual indicator(TRUE) or no visual indicator(TRUE) into the control of whether the tanks is provided with a visual indicator(TRUE) or no visual indicator(TRUE). The commital engith or, in the case of a vertical cylindrical tank, the nominal diameter of the tank. The commital engith or, in the case of a vertical cylindrical tank, the nominal diameter of the tank. Note: Not required for a Number of sections used in the construction of the tank. Operating weight of the tank including all of its contents. Operating weight of the tank including all of its contents. Second Curvature Radius should be defined as the top or right side radius of curvature value. Defines the prepar diametric clapping intended to be stored.											
Nas Ladder Has Visual Indicator Nominal Degith Nominal Degith Nominal Length Or Dameter Nominal Worth Or Glameter Nominal Worth Or Glameter Orders (Nasher) Or	Text Number Logic Logic Number Number Number Number Number Number Number	Inch Inch Inch Inch Inch Lbs	mm mm mm mm	True or False	First Curvature Radius should be defined as the base or left side radius of curvature value. Indication of whether the tank is provided with a visual indicator(TEME) or not builder(TEME) or not sould indicator(TEME) indication of whether the tank is provided with a visual indicator(TEME) or not visual indicator(TEME). The normal slegal for i, in the case of a vertical cylindrical tank, the normal diameter of the tank. The normal slegal for i, in the case of a vertical cylindrical tank, the normal diameter of the tank. Number of sections used in the construction of the tank. Number of sections used in the construction of the tank. Defines the types of pattern (or value of a tank) that may be specified. Second Curvature Value should be defined as the top or right side radius of curvature value. Defines the general material category intended to be stored.											
Hes Ludder Hes Yusaal Indicator Nominal Degth Nominal Length Or Diameter Nominal Wedth Or Diameter Nominal Wedth Or Diameter Nominal Wedth Or Diameter Nominal Wedth Or Diameter Number Of Sections Operating Weight Pattern Type Second Curvature Radius Storage Type Tank Composition Expansion Tank	Text Number Logic Logic Number Number Number Number Number Text Number Text Text	Inch Inch Inch Inch Inch Inch Inch None Lbs	mm mm mm Kgs	True or False	First Conventive Radius should be defined as the base or left sider radius of currenture value. Indication of whether the tank is growded with a sidest*(FIRSE) or no better(FIASE) Indication of whether the tank is provided with a visual indicator(FIASE) indication of whether the tank is provided with a visual indicator(FIASE). The normal disease of the tank The normal singels or, in the case of a vertical optionizal tank, the normal dismeter of the tank. The normal singels or, in the case of a vertical optionizal tank, the normal dismeter of the tank. Note. Note the land of the normal singels or in the case of a vertical optionizal tank, the normal dismeter of the tank. Note. Not required for a land normal singels or in the case of the land of the											
Nas Ladder Hate Visual Indicator Nominal Degth Nominal Degth Nominal Length Or Dameter Nominal Wolfth Or Glameter Nominal Wolfth Nominal W	Text Number Logic Logic Number Number Number Number Number Text Number Text Number Text Number	Inch Inch Inch Inch Inch Inch Inch Inch	mm mm mm Kgs mm	True or Faise True or Faise Complex, Element, Partial	First Curvature Radius should be defined as the base or left side radius of curvature value. Indication of whether the tank is provided with a sivasal indicator(TRUE) or no visual indicator(TALS) Indication of whether the tank is provided with a visual indicator(TRUE) or no visual indicator(TALS) The nominal side of the tank The nominal side of the tank The nominal side or, in the case of a vertical cylindrical tank, the nominal diameter of the tank. The nominal width or, in the case of a vertical cylindrical tank, the nominal diameter of the tank. Note: Not required for a Number of sections used in the construction of the tank. Number of sections used in the construction of the tank. Defines the lepse of pattern for shape of a tank) that may be specified. Defines the lepse of pattern for shape of a tank) that may be specified. Defines the general material category intended to be stored. Defines the level need to the speaking of the tank. Specific Baseline Attributes of an expansion type tank. Nominal or design operating pressure of the tank.											
Has Ludder Has Yasia Indicator Nominal Degth Nominal Leggth Or Dameter Nominal Weth Or Diameter Nominal Weth Or Diameter Nominal Weth Or Diameter Number Of Sections Operating Weight Pattern Type Second Curvature Radius Storage Type Tank Composition Expansion Tank Charge Pressure Pressure Regulator Setting	Text Number Logic Logic Logic Number Number Number Number Text Number Text Number Text Number Text Text Text Number	Inch Inch Inch Inch Inch Inch Inch None Lbs Inch	mm mm mm mm Kgs mm	True or Faise True or Faise Complex, Element, Partial	First Convarious Radius should be defined as the base or left sider radius of convariour value. Indication of whether the tank is provided with a sides/FIRISE or to belder/FIRASE) Indication of whether the tank is provided with a visual indicator/FIRASE or no visual indicator/FIRASE. The normal depth of the tank The normal singels or, is the case of a vertical cylindrical tank, the normal diameter of the tank. The normal singels or, is the case of a vertical cylindrical tank, the normal diameter of the tank. The normal singels or, is the case of a vertical cylindrical tank, the normal diameter of the tank. Normal singels or, is the case of a vertical cylindrical tank, the normal diameter of the tank. Note. Not required for a Number of actions used in the construction of the tank. Normal singels or a place of the construction of the tank. Left-most the types of pattern for shape of a tank) that may be specified. Self-most the types of pattern for shape of a tank) that may be specified. Offices the types of pattern for shape of a tank) that may be specified. Offices the legt-off element composition Septical Seasine Authorised of an expansion type tank. Normal or design operating pressure of the tank. Pressure that is actionated, maintained in the tank.											
Nes Loader 1-tes Visual Indicator Nominal Depth Nominal Length O' Dameter Nominal Welth O's Gameter Nominal Welth Posterial Welth Nominal Welth Nominal Welth Nominal Welth Nominal Welth Nominal Welth Copyright Pressure Pressure Pressure Regulator Setting Relet Value Setting Relet Value Setting	Text Number Logic Logic Number Number Number Number Number Text Number Text Number Text Number	Inch Inch Inch Inch Inch Inch Inch Inch	mm mm mm Kgs mm	True or Faise True or Faise Complex, Element, Partial	First Curvature Radius should be defined as the base or left side radius of curvature value. Indication of whether the tank is provided with a visual indicator(TEMS) indication of whether the tank is provided with a visual indicator(TEMS) indication of whether the tank is provided with a visual indicator(TEMS). The normal sleggth or, in the case of a vertical cylindrical tank, the normal diameter of the tank. The normal sleggth or, in the case of a vertical cylindrical tank, the normal diameter of the tank. The normal vertical in the case of a vertical cylindrical tank, the normal diameter of the tank. Nother of sections used in the construction of the tank. Normal vertical tensor in the case of a vertical cylindrical tank, the normal diameter of the tank. Note Not required for a Number of sections used in the construction of the tank. Defines the types of pattern for value of a tank) that may be specified. Scorodia Curvature Values ushould be defined as the top or right tale serials used curvature value. Defines the general material category intended to be stored. Defines the level for the control of the tank. Pressure as which therefore where activates of an expansion type tank. Normal or desire professing pressure of the tank. Pressure as which therefore where activates.											
Nes Ludder Nes Youal Indicator Nominal Degth Nominal Leggth Or Dameter Nominal Weth Or Diameter Nominal Weth Or Diameter Nominal Weth Or Diameter Nominal Weth Or Diameter Number Of Sections Operating Weight Fastern Type Second Curvature Radius Storage Type Tank Composition Expansion Tank Charge Pressure Pressure Regulator Setting Relef Valve Setting Relef Valve Setting Pressure Segulator Setting Relef Valve Setting	Text Number Logic Logic Number Number Number Number Text Number Text Number Number Number	Inch Inch Inch Inch Inch Inch None Lbs Inch PSI PSI PSI	mm mm mm mm mm pa pa pa	True or Faise True or Faise Complex, Element, Partial	First Convarious Radius should be defined as the base or left side radius of convariour value. Indication of whether the tank is provided with a sidest/FIRIX 10 to Indiset/FIRIX 10 indication of whether the tank is provided with a visual indicator(FIRIX 10 no visual indicator(FIRIX 10 indicator) of whether the tank is provided with a visual indicator(FIRIX 10 indicator). The normal singels or, is the case of a vertical cylindrical tank, the normal diameter of the tank. The normal singels or, is the case of a vertical cylindrical tank, the rormal diameter of the tank. Notice of sections used in the construction of the tank, the rormal diameter of the tank. Note: Not required for a Number of sections used in the construction of the tank. Coefficial tenth is the size of the size of the size of tank to the size of											
Nas Luader Nas Visual Indicator Noninial Depth Noninial Length O' Diameter Noninial Weth Posterial Poster Posterial Poster Posterial Poster Persone Regulator Setting Refer Valva Setting Persone Persone Pressure Vasset Charge Persone	Text Number Logic Logic Number Number Number Number Number Text Number Text Text Text Number Number Text Text Text Number Number	Inch Inch Inch Inch Inch Inch Inch Inch	mm mm mm mm mm pa pa pa Pa Pa	True or Faise True or Faise Complex, Element, Partial	First Curvature Radius should be defined as the base or left sider radius of curvature value. Indication of whether the tank is provided with a visual indicator(TEME) on budder(TEME) indication of whether the tank is provided with a visual indicator(TEME) or no visual indicator(TEME) in the nominal digit of the tank. The nominal slength or, in the case of a vertical cylindrical tank, the nominal diameter of the tank. The nominal valid or, in the case of a vertical cylindrical tank, the nominal diameter of the tank. The nominal valid or, in the case of a vertical cylindrical tank, the nominal diameter of the tank. Note: Not required for a Number of sections used in the construction of the tank. Defines the types of pattern (or shape of a tank) that may be specified. Second Curvature Seals shaded be defined as the top or right side radius of curvature value. Defines the level of element composition Specific Baseline Attributes of an expansion type tank. Nominal or design persual pressure of the tank. Pressure at which the relief value activates. Specific Baseline Attributes of a requirement of the tank. Pressure at which the relief value activates. Specific Baseline Attributes of a respiration types.											
Nes Ludder Hos Yusal Indicator Nominal Degth Nominal Leggth Or Dameter Nominal Worth Or Diameter Nominal Worth Pattern Type Second Curvature Radius Storage Type Tank Composition Expansion Tank Charge Pressure Pressure Regulator Setting Relef Valve Setting Pressure Segulator Setting	Text Number Logic Logic Number Number Number Number Number Number Text Number Text Text Number Number Number Number Number Number Text Text Number Number Number Number Number Number	Inch Inch Inch Inch Inch Inch None Lbs Inch Inch Inch Inch Inch Inch Inch Inch	mm mm mm mm mm pa pa pa pa Pa Pa Pa	True or Faise True or Faise Complex, Element, Partial	First Convarious Radius should be defined as the base or left side radius of convariour value. Indication of whether the tank is provided with a sidest/FIRSE or incident/FIRSE indication of whether the tank is provided with a visual indicator/FIRSE or no visual indicator/FIRSE indication of whether the tank is provided with a visual indicator/FIRSE or no visual indicator/FIRSE. The normal signified or, in the case of a vertical cylindrical tank, the normal diameter of the tank. The normal will write or in the case of a vertical cylindrical tank, the normal diameter of the tank. Note: Not required for a Number of sections used in the construction of the tank. Nome or visual results in the size of a history and provided in the control of the tank. Define the types of pattern for shape of a tank) that may be specified. Second Curvature Radius should be defined as the top or right side radius of curvature value. Coffines the level of element composition. Specific Radius Anticological in a required to the store. Coffines the visual results should be defined in the side. Persour that is submitted of in required to the store. Specific Radius Anticological in required the tank. Persour that is submitted with results of the tank. Persour that is submitted of personal results of the tank. Nominal or design operating pressure of the tank. Nominal or design operating pressure of the tank.											
Nas Luader Nas Visual Indicator Nominal Depth Nominal Length O' Diameter Nominal Wolth Nominal Wo	Text Number Logic Logic Number Number Number Number Number Text Number Text Text Text Number Number Text Text Text Number Number	Inch Inch Inch Inch Inch Inch Inch Inch	mm mm mm mm mm pa pa pa Pa Pa	True of False True of False Complex, Element, Partial	First Curvature Radius should be defined as the base or left sider radius of curvature value. Indication of whether the tank is provided with a visual indicator(TEME) in too budget(TEME) indication of whether the tank is provided with a visual indicator(TEME) or no visual indicator(TEME) in the common and the provided with a visual indicator(TEME) in the common and time or of the tank. The rominal valid my in the case of a vertical cylindrical tank, the norminal diameter of the tank. The rominal valid my in the case of a vertical cylindrical tank, the norminal diameter of the tank. Note: Not required for a Number of sections used in the construction of the tank. Number of sections used in the construction of the tank. Defines the types of pattern (or shape of a tank) that may be specified. Sconnol Curvature Radius should be defined as the top or right talk serials us of curvature value. Defines the level of element composition of the tank. Possure that is automatically manistrated in the tank. Pressure at which the relief valve activates. Specific Baseline Attributes of an expansion type tank. Nominal or design perstag pressure of the tank. Pressure at which the relief valve activates. Specific Baseline Attributes of an expansion type tank. Nominal or design perspective of the tank. Pressure at which the rief valve activates. Specific Baseline Attributes of a pressure vestel. Nominal or design perstag pressure of the tank. Pressure at which the rief valve activates.											
Has Ludder Has Yusaa Indicator Noninal Degth Noninal Leggth Or Dameter Noninal Worth Or Diameter Noninal Worth Or Diameter Noninal Worth Or Diameter Noninal Worth Or Diameter Number Of Sections Operating Weight Pattern Type Second Curvature Radius Sorrage Type Tank Composition Expansion Tank Charge Pressure Pressure Regulator Setting Relef Valve Setting Pressure Segulator Setting Relef Valve Setting Pressure Segulator Setting Relef Valve Setting	Text Number Logic Logic Logic Logic Number Number Number Number Text Number Text Number Text Text Number	inch inch inch inch inch inch inch inch	mm mm mm mm mm pa pa pa pa Pa Pa Pa	True or False True or False Complex, Element, Partial	First Convarious Radius should be defined as the base or left side radius of curvature value. Indication of whether the tank is provided with a sidest/FIRSE or insidest/FIRSES indication of whether the tank is provided with a visual indicator(FIRSE) or no visual indicator(FIRSES) indication of whether the tank is provided with a visual indicator(FIRSES) or visual indicator(FIRSES). The normal signified or, in the case of a vertical cylindrical tank, the normal diameter of the tank. The normal signified or, in the case of a vertical cylindrical tank, the normal diameter of the tank. Note: Not required for a Number of sections used in the construction of the tank. Nometer of sections used in the construction of the tank. Define the types of pattern (or base of a tank) that may be specified. Second Curvature Radius should be defined as the top or right side radius of curvature value. Offices the givened instruction capture of the tank. Define the visual construction of the tank. Defines the visual construction of the tank. Persour as a submit the resider visual extractes. Second Curvature National construction of the tank. Persour as a submit the resider visual extractes. Normal or design operating pressure of the tank. Persour as which the resider visual extractes. Normal or design operating pressure of the tank. Persour as a submit the resider visual extractes.											
Nas Luader Nas Visual Indicator Nominal Depth Nominal Length O' Diameter Nominal Wolth Nominal Wo	Text Number Logic Logic Number Number Number Number Number Number Text Number Text Text Number Number Number Number Number Number Text Text Number Number Number Number Number Number	Inch Inch Inch Inch Inch Inch None Lbs Inch Inch Inch Inch Inch Inch Inch Inch	mm mm mm mm mm pa pa pa pa Pa Pa Pa	True of False True of False Complex, Element, Partial	First Conventive Radius should be defined as the base or left side radius of curvature value. Indication of whether the tank is provided with a sidest*(FIRSE) or bottler(FIRSE) Indication of whether the tank is provided with a visual indicator(FIRSE) or no visual indicator(FIRSE) The nominal depth of the tank The nominal depth of the tank The command septh or, in the case of a historical of professor tank, the nominal diameter of the tank. The nominal depth of the tank is not a historical of professor tank, the nominal diameter of the tank. The command is not to the nominal diameter of the tank is not to the nominal diameter of the tank. The nominal depth of the nominal diameter of the tank is not to the nominal diameter of the tank. The nominal depth of the nominal diameter of the nominal diameter of the tank. The nominal depth of the nominal diameter of the nominal diameter of the tank. The nominal depth of the nominal diameter of the nominal diameter of the tank. The nominal depth of the nominal depth of the nominal diameter of the tank. The nominal depth of the nominal diameter of the nominal diameter of the tank. The nominal depth of the nominal diameter of the nominal diameter of the tank. The nominal depth of the nominal diameter of the											
Nas Laader Has Visual Indicator Nominal Depth Nominal Length Or Dameter Nominal Wolfth Or Glameter Nominal Wolfth Character Department of Management Nominal Wolfth Operating Wolfth Nominal Wolfth Nom	Test Number Logic Logic Logic Number Number Number Number Number Test Test Test Number	inch inch inch inch inch inch inch inch	mm mm mm mm Kgs mm mm Ps	True or False True or False Complex, Element, Partial	First Convarious Radius should be defined as the base or left side radius of curvature value. Indication of whether the tank is provided with a sissal final float post indication of shether the tank is provided with a visual indicator(TRUE) or no visual indicator or no visual indicator(TRUE) or no visual indicator or no v											
Nes Lunder Nes Visual Indicator Nominal Depth Nominal Length O' Diameter Nominal Worth Pestors Diameter Diameter Diameter Diameter Diameter Diameter Sections Diameter Di	Test Number Logic Logic Logic Number Number Number Number Number Number Test Test Test Number	inch inch inch inch inch inch inch inch	mm mn mn mn mn K45 P3 P3 P4 P5 P5 P6 P6 P7 P8 P9 P9 P9 P9 P9 P9 P9	True or False Complex, Element, Partial 1,2,3	First Convention Readous should be defined as the base or left sider radius of convention value. Indication of whether the tank is provided with a sidest*(FIRSE) or no biodet*(FIRSE) indication of whether the tank is provided with a visual indicator(FIRSE) or no visual indicator(FIRSE). The normal dealth of the tank. The normal singels or, is the case of a vertical cylindrical tank, the normal diameter of the tank. The normal singels or, is the case of a vertical cylindrical tank, the normal diameter of the tank. The normal singels or, is the case of a vertical cylindrical tank, the normal diameter of the tank. Normal singels or, is the case of a vertical cylindrical tank, the normal diameter of the tank. Normal singels or, is the case of a vertical cylindrical tank, the normal diameter of the tank. Normal singels or a vertical singels or tank is placed to tank in the tank. Office the types of pattern for biage of a tank in that may be specified. Office the types of pattern for biage of a tank in the tank is tank in the tank in the singels of the tank. Office the level of element composition Source and the level of element composition Source and the level of element composition Source that is accountable of an expansion type tank. Normal or design operating pressure of the tank. Pressure that is accountable, materiated in the tank. Pressure and which the relief valve activates. Source and a school order in the construction of the tank. Normal or design operating pressure of the tank.											
Nas Ladder Has Visual Indicator Nominal Depth Nominal Depth Nominal Length Or Dameter Nominal Worth Or Dameter Nominal Worth Or Dameter Nominal Worth Or Dameter Nominal Worth Or Dameter Nominal States Departing Weight Author Together Pattern Type Tank Companies Songer Type Tank Companies Expansion Tank Charge Pressure Pressure Regulator Setting Releft Valva-Setting Pressure Regulator Setting Pressure Sectional Tank Number Of Sections Sectional Tank Section Length Section Worth	Test Number Logic Logic Logic Number Number Number Number Number Test Test Test Number	inch inch inch inch inch inch inch inch	mm mm mm mm Kgs mm mm Ps	True or False Complex, Element, Partial 1,2,3	First Convarious Reducis should be defined as the base or left side radius of curvature value. Indication of whether the tank is growded with a sidest/TRISI or solded/TRISIS indication of whether the tank is growded with a sidest indicator(TRISI) or no visual indicator(TRISIS) indication of whether the tank is growded with a visual indicator(TRISIS). The nominal width or the tank. The nominal width or, in the case of a vertical cylindrical tank, the nominal diameter of the tank. The nominal width or, in the case of a vertical cylindrical tank, the nominal diameter of the tank. Note: Not required for a Number of sections used in the construction of the tank. Number of sections used in the construction of the tank. Define the types of pattern for shape of a tank) that may be specified. Define the types of pattern for shape of a tank) that may be specified. Define the person in the substance of the tank. Define the general material category intended to be stored. Define the general material category intended to be stored. Define the general material category intended to be stored. Define the general material category intended to be stored. Defines the level of element composition of the tank. Pressure as which therefor where activates. Specific Baseline Attributer of an expansion type tank. Normalized ocision postrating pressure of the tank. Pressure as which therefor where activates. Specific Baseline Attributer of an expansion of the tank. Pressure as the tank tent of whee activates. Specific Baseline Attributes of an expansion of the tank. Pressure as the tank of the operating pressure of the tank. Pressure as the tank tent of whee activates. Specific Baseline Attributes of an expansion of the tank. The results of a section used in the construction of the tank. The which of a section used in the construction of the tank.	T-V-See										
Nes Lunder Nes Visual Indicator Nominal Depth Nominal Length O' Diameter Nominal Worth Pestors Diameter Diameter Diameter Diameter Diameter Diameter Sections Diameter Di	Test Number Logic Logic Logic Number Number Number Number Number Number Test Test Test Number	inch inch inch inch inch inch inch inch	mm mn mn mn mn K45 P3 P3 P4 P5 P5 P6 P6 P7 P8 P9 P9 P9 P9 P9 P9 P9	True or False Complex, Element, Partial 1,2,3	First Convarious Radius should be defined as the base or left side radius of curvature value. Indication of whether the tank is growded with a sissal indicator(TRUE) or no visual indicator(TALSS) Indication of whether the tank is growded with a visual indicator(TRUE) or no visual indicator(TALSS) The rominal edge for the tank. The rominal slength or, in the case of a vertical cylindrical tank, the nominal diameter of the tank. The nominal width or, in the case of a vertical cylindrical tank, the nominal diameter of the tank. Note: Not required for a Number of sections used in the continuction of the tank. Number of sections used in the continuction of the tank. Oberlain exelpt of the tank including all offs contents. Oefficial the types of pattern for shape of a tank) that may be specified. Oefficial the types of pattern for shape of a tank) that may be specified. Oefficial the general material category intended to be stored. Defficial the general material category intended to be stored. Oefficial the general material category intended to be stored. Oefficial the general material category intended to be stored. Oefficial the special post of the tank. Pressure as which the riefel value activation. Specific Baseline Attributes of an expansion type tank. Specific Baseline Attributes of an expansion type tank. Specific Baseline Attributes of an expansion type tank. Specific Baseline Attributes of an expansion of the tank. Pressure as which the riefel value activation. Assessment as skick the riefel value activation of the tank. Pressure as the contraction of the tank. Pressure as the contraction of the tank. The length of sections used in the construction of the tank. The length of a section used in the construction of the tank. The length of a section used in the construction of the tank.	fcValve										
Nas Lander Nas Visual Indicator Nominal Depth Nominal Length O' Diameter Nominal Wolfth Or Günneter Nominal Wolfth Or Günneter Nominal Wolfth O' Günneter Nominal Wolfth O' Günneter Nominal Wolfth O' Günneter Nominal Wolfth O' Günneter Nominal Wolfth Nominal W	Test Number Logic Logic Number Number Number Number Number Number Number Test Test Test Test Vest Number	inch inch inch inch inch inch inch inch	mm mn mn mn mn K45 P3 P3 P4 P5 P5 P6 P6 P7 P8 P9 P9 P9 P9 P9 P9 P9	True or False Complex, Element, Partial 1,2,3	First Curvature Radius should be defined as the base or left side radius of curvature value. Indication of whether the tank is growded with a sidest FIRSI to resolution (and indication of shether the tank is growded with a sidest FIRSI to resolution (and the sidest FIRSI to resolution of whether the tank is growded with a visual indicator(FIRSI to recommend the sidest first to some sides in the some sidest first to some sides first first to some sides first first to some sides sides first first to some sides first f	feValve										
Nes Loader Nes Visual Indicator Nominal Degth Nominal Length O' Diameter Nominal Worth Nominal Worth O' Diameter Nominal Worth Pattern Type Second Curvature Radius Storage Type Second Curvature Radius Storage Type Frain Composition Expansion Trask Charge Pressure Pressure Regulator Setting Refer Visual Setting Pressure Regulator Setting Pressure Regulator Setting Pressure Regulator Setting Pressure Regulator Setting Refer Visual Setting Pressure Regulator Setting Section United Section Length Section Worth Section Length Section Worth Valve Valve	Test Number Logic Logic Logic Number Number Number Number Number Test Test Test Number Number Number Number Number Number Number Test Test Test Test Test Test Test Test	inch inch inch inch inch inch inch inch	mm mn mn mn mn K45 P3 P3 P4 P5 P5 P6 P6 P7 P8 P9 P9 P9 P9 P9 P9 P9	True or False Complex, Element, Partial	First Convarious Radius should be defined as the base or left side radius of convariour value. Indication of whether the tank is provided with a sidest/FIRSI or to insider/FIRSI indication of whether the tank is provided with a visual indicator/FIRSI or not visual indicator/FIRSI indication of whether the tank is provided with a visual indicator/FIRSI or not visual indicator/FIRSI indicator of which is the control of the tank. The normal singst or, in the case of a vertical cylindrical tank, the normal diameter of the tank. The normal singst or, in the case of a vertical cylindrical tank, the normal diameter of the tank. Nother of sections used in the construction of the tank. Nother of sections used in the construction of the tank. Offices the types of pattern for base of a tank joint may be specified. Social construction when should be defined in the tipe or right value and the specified. Social Construction when should be defined in the tipe or right value and the specified. Social Construction when the should be subject to the tipe of the stank. Notice the specified desire of the section has been stored. Social Construction when the should be subject to the stank. Notice the specified desire of the section has been stored. Social Construction when the stank is the specified of the stank. Notice and design operating pressure of the tank. Pressure that is automatically manufactual on the tank. Pressure that is automatically manufactual on the tank. Pressure that is automatically manufactual on the tank. Notice and relative desired from sectional parts with one or more compartments for storing a liquid. Number of sections used in the construction of the tank. The wellow of sections used in the construction of the tank. The wellow of a section used on the construction of the tank. The wellow of a section used on the construction of the tank. The wellow of a section used on the construction of the tank. The section of a section used on the construction of the tank.	fcValve										
Nas Lander Nas Visual Indicator Nominal Depth Nominal Length O' Diameter Nominal Wolfth Or Günneter Nominal Wolfth Or Günneter Nominal Wolfth O' Günneter Nominal Wolfth O' Günneter Nominal Wolfth O' Günneter Nominal Wolfth O' Günneter Nominal Wolfth Nominal W	Test Number Logic Logic Number Number Number Number Number Number Number Test Test Test Test Vest Number	inch inch inch inch inch inch inch inch	mm mn mn mn mn K45 P3 P3 P4 P5 P5 P6 P6 P7 P8 P9 P9 P9 P9 P9 P9 P9	True or False Complex, Element, Partial 1,2,3	First Curvature Radius should be defined as the base or left side radius of curvature value. Indication of whether the tank is growded with a sidest FIRSI to resolution (and indication of shether the tank is growded with a sidest FIRSI to resolution (and the sidest FIRSI to resolution of whether the tank is growded with a visual indicator(FIRSI to recommend the sidest first to some sides in the some sidest first to some sides first first to some sides first first to some sides sides first first to some sides first f	ficValve										
Nes Loader Nes Visual Indicator Nominal Degth Nominal Length O' Diameter Nominal Worth Nominal Worth O' Diameter Nominal Worth Pattern Type Second Curvature Radius Storage Type Second Curvature Radius Storage Type Frain Composition Expansion Trask Charge Pressure Pressure Regulator Setting Refer Visual Setting Pressure Regulator Setting Pressure Regulator Setting Pressure Regulator Setting Pressure Regulator Setting Refer Visual Setting Pressure Regulator Setting Section United Section Length Section Worth Section Length Section Worth Valve Valve	Test Number Logic Logic Logic Number Number Number Number Number Test Test Test Number Number Number Number Number Number Number Test Test Test Test Test Test Test Test	inch inch inch inch inch inch inch inch	mm mn mn mn mn K45 P3 P3 P4 P5 P5 P6 P6 P7 P8 P9 P9 P9 P9 P9 P9 P9	True or False True or False Complex, Element, Partial 1,2,3 1,2,3 Dropwight, Float, Hydraulic,	First Convarious Radius should be defined as the base or left side radius of convariour value. Indication of whether the tank is provided with a sidest/FIRSI or to insider/FIRSI indication of whether the tank is provided with a visual indicator/FIRSI or not visual indicator/FIRSI indication of whether the tank is provided with a visual indicator/FIRSI or not visual indicator/FIRSI indicator of which is the control of the tank. The normal single or, in the case of a vertical cylindrical tank, the normal diameter of the tank. The normal single or, in the case of a vertical cylindrical tank, the normal diameter of the tank. Nother of sections used in the controluction of the tank. Nother of sections used in the controluction of the tank, the normal diameter of the tank. Note: Not required for a Number of sections used in the controluction of the tank. Offices the types of pattern for baye of a tank joint may be specified. Second Corvators Residue should be defined in the tips or right value and the second controluction of the tank. Offices the general material category intended to be stored. Septicific baseline defined or an extraction of the tank. Pressure and a school the section of the tank. Pressure that is automated; manufactors in the tank. Nominal or design operating pressure of the tank. Pressure that is automated; manufactors into the tank. Nominal or design operating pressure of the tank. Pressure that is automated; manufactors into one or more completenests for storing a liquid. Number of sections used in the construction of the tank. The wellow of sections used in the construction of the tank. The wellow of sections used in the construction of the tank. Availe is used in a building services piping distribution system t	feValve										
Nes Loader Nes Visual Indicator Nominal Degth Nominal Length O' Diameter Nominal Worth Nominal Worth O' Diameter Nominal Worth Pattern Type Second Curvature Radius Storage Type Second Curvature Radius Storage Type Frain Composition Expansion Trask Charge Pressure Pressure Regulator Setting Refer Visual Setting Pressure Regulator Setting Pressure Regulator Setting Pressure Regulator Setting Pressure Regulator Setting Refer Visual Setting Pressure Regulator Setting Section United Section Length Section Worth Section Length Section Worth Valve Valve	Test Number Logic Logic Logic Number Number Number Number Number Test Test Test Number Number Number Number Number Number Number Test Test Test Test Test Test Test Test	inch inch inch inch inch inch inch inch	mm mn mn mn mn K45 P3 P3 P4 P5 P5 P6 P6 P7 P8 P9 P9 P9 P9 P9 P9 P9	True or False True or False Complex, Element, Partial 1,2,3 1,2,3 Dropwight, Float, Hydraulic, lever, Locksheld, Motorized,	First Convarious Radius should be defined as the base or left side radius of convariour value. Indication of whether the tank is provided with a sidest/FIRSI or to insider/FIRSI indication of whether the tank is provided with a visual indicator/FIRSI or not visual indicator/FIRSI indication of whether the tank is provided with a visual indicator/FIRSI or not visual indicator/FIRSI indicator of which is the control of the tank. The normal single or, in the case of a vertical cylindrical tank, the normal diameter of the tank. The normal single or, in the case of a vertical cylindrical tank, the normal diameter of the tank. Nother of sections used in the controluction of the tank. Nother of sections used in the controluction of the tank, the normal diameter of the tank. Note: Not required for a Number of sections used in the controluction of the tank. Offices the types of pattern for baye of a tank joint may be specified. Second Corvators Residue should be defined in the tips or right value and the second controluction of the tank. Offices the general material category intended to be stored. Septicific baseline defined or an extraction of the tank. Pressure and a school the section of the tank. Pressure that is automated; manufactors in the tank. Nominal or design operating pressure of the tank. Pressure that is automated; manufactors into the tank. Nominal or design operating pressure of the tank. Pressure that is automated; manufactors into one or more completenests for storing a liquid. Number of sections used in the construction of the tank. The wellow of sections used in the construction of the tank. The wellow of sections used in the construction of the tank. Availe is used in a building services piping distribution system t	ficValve										
Nes Loader Nes Visual Indicator Nominal Degth Nominal Length O' Diameter Nominal Worth Nominal Worth O' Diameter Nominal Worth Pattern Type Second Curvature Radius Storage Type Second Curvature Radius Storage Type Frain Composition Expansion Trask Charge Pressure Pressure Regulator Setting Refer Visual Setting Pressure Regulator Setting Pressure Regulator Setting Pressure Regulator Setting Pressure Regulator Setting Refer Visual Setting Pressure Regulator Setting Section United Section Length Section Worth Section Length Section Worth Valve Valve	Test Number Logic Logic Logic Number Number Number Number Number Test Test Test Number Number Number Number Number Number Number Test Test Test Test Test Test Test Test	inch inch inch inch inch inch inch inch	mm mn mn mn mn K45 P3 P3 P4 P5 P5 P6 P6 P7 P8 P9 P9 P9 P9 P9 P9 P9	True or False True or False Complex, Element, Partial 1,2,3 Dropwight, Float, Hydraulic, Iever, Locksheld, Motoriesd, Persumatic, Selencial, Spring, Spring, Persumatic, Selencial, Spring,	First Convarious Radius should be defined as the base or left side radius of convariour value. Indication of whether the tank is provided with a sidest/FIRSI or to insider/FIRSI indication of whether the tank is provided with a visual indicator/FIRSI or not visual indicator/FIRSI indication of whether the tank is provided with a visual indicator/FIRSI or not visual indicator/FIRSI indicator of which is the control of the tank. The normal single or, in the case of a vertical cylindrical tank, the normal diameter of the tank. The normal single or, in the case of a vertical cylindrical tank, the normal diameter of the tank. Nother of sections used in the controluction of the tank. Nother of sections used in the controluction of the tank, the normal diameter of the tank. Note: Not required for a Number of sections used in the controluction of the tank. Offices the types of pattern for baye of a tank joint may be specified. Second Corvators Residue should be defined in the tips or right value and the second controluction of the tank. Offices the general material category intended to be stored. Septicific baseline defined or an extraction of the tank. Pressure and a school the section of the tank. Pressure that is automated; manufactors in the tank. Nominal or design operating pressure of the tank. Pressure that is automated; manufactors into the tank. Nominal or design operating pressure of the tank. Pressure that is automated; manufactors into one or more completenests for storing a liquid. Number of sections used in the construction of the tank. The wellow of sections used in the construction of the tank. The wellow of sections used in the construction of the tank. Availe is used in a building services piping distribution system t	ficValve										
Nes Loader Hos Visual Indicator Nominal Depth Nominal Length O' Diameter Nominal Length O' Diameter Nominal Wolfth Or Chameter Nominal Wolfth Or Chameter Nominal Wolfth O' Chameter Nominal Wolfth O' Chameter Nominal Wolfth O' Chameter Nominal Wolfth O' Chameter Nominal Wolfth Loader Bedular Loader Bedular Loader Pressure Pressure Regulator Setting Relet Valve Setting Pressure Regulator Setting Pressure Regulator Setting Pressure Regulator Setting Nominal Wolfth Nominal Wolfth Nominal Wolfth Nominal Wolfth Section Length Section Width Valve Valve Type Valve Operation	Test Number Logic Logic Logic Number Number Number Number Number Number Test Test Number Test Test Test Test	inch inch inch inch inch inch inch inch	mm mn mn mn mn K45 P3 P3 P4 P5 P5 P6 P6 P7 P8 P9 P9 P9 P9 P9 P9 P9	True or False True or False Complex, Element, Partial 1,2,3 Dropwight, Float, Hydraulic, Iever, Locksheld, Motoriesd, Persumatic, Selencial, Spring, Spring, Persumatic, Selencial, Spring,	First Convarious Radius should be defined as the base or left side radius of convariour value. Indication of whether the tank is provided with a sidest/FIRSI or to insider/FIRSI indication of whether the tank is provided with a visual indicator/FIRSI or not visual indicator/FIRSI indication of whether the tank is provided with a visual indicator/FIRSI or not visual indicator/FIRSI indicator of which is the control of the tank. The normal single or, in the case of a vertical cylindrical tank, the normal diameter of the tank. The normal single or, in the case of a vertical cylindrical tank, the normal diameter of the tank. Nother of sections used in the controluction of the tank. Nother of sections used in the controluction of the tank, the normal diameter of the tank. Note: Not required for a Number of sections used in the controluction of the tank. Offices the types of pattern for baye of a tank joint may be specified. Second Corvators Residue should be defined in the tips or right value and the second controluction of the tank. Offices the general material category intended to be stored. Septicific baseline defined or an extraction of the tank. Pressure and a school the section of the tank. Pressure that is automated; manufactors in the tank. Nominal or design operating pressure of the tank. Pressure that is automated; manufactors into the tank. Nominal or design operating pressure of the tank. Pressure that is automated; manufactors into one or more completenests for storing a liquid. Number of sections used in the construction of the tank. The wellow of sections used in the construction of the tank. The wellow of sections used in the construction of the tank. Availe is used in a building services piping distribution system t	If c Valve										
Nes Luader Nes Visual Indicator Nominal Depth Nominal Length O' Diameter Nominal Worth Pattern Yepe Second Curvature Radius Storage Yype Train Composition Expansion Train Longing Pressure Longing Pressure Pressure Regulator Setting Pressure Regulator Setting Regulator Setting Pressure Regulator Setting Regulator Setting Regulator Setting Regulator Setting Section Setting Section Setting Section Setting Section Tank Number O' Sections Section Length Section Worth Valve Valve Operation Diameter Section Section Section Worth Valve Valve Operation	Test Number Logic Logic Logic Number Number Number Number Number Test Test Test Number Number Number Number Number Number Number Test Test Test Test Test Test Test Test	inch inch inch inch inch inch inch inch	mm mm mm mm mm mm Fe Pe	True or False True or False Complex, Element, Partial 1,2,3 1,2,3 Droppright, Float, Hydraulic, Incomplex, Element, Partial Droppright, Float, Hydraulic, Person,	First Convarious Radius should be defined as the base or left side radius of convariour value. Indication of whether the tank is provided with a sidest/FIRSI or to insider/FIRSI indication of whether the tank is provided with a visual indicator/FIRSI or not visual indicator/FIRSI indication of whether the tank is provided with a visual indicator/FIRSI or not visual indicator/FIRSI indicator of which is the control of the tank. The normal single or, in the case of a vertical cylindrical tank, the normal diameter of the tank. The normal single or, in the case of a vertical cylindrical tank, the normal diameter of the tank. Nother of sections used in the controluction of the tank. Nother of sections used in the controluction of the tank, the normal diameter of the tank. Note: Not required for a Number of sections used in the controluction of the tank. Offices the types of pattern for baye of a tank joint may be specified. Second Corvators Residue should be defined in the tips or right value and the second controluction of the tank. Offices the general material category intended to be stored. Septicific baseline defined or an extraction of the tank. Pressure and a school the section of the tank. Pressure that is automated; manufactors in the tank. Nominal or design operating pressure of the tank. Pressure that is automated; manufactors into the tank. Nominal or design operating pressure of the tank. Pressure that is automated; manufactors into one or more completenests for storing a liquid. Number of sections used in the construction of the tank. The wellow of sections used in the construction of the tank. The wellow of sections used in the construction of the tank. Availe is used in a building services piping distribution system t	ifeValve										
Nas Lander Nas Visual Indicator Nominal Depth Nominal Length O' Diameter Nominal Wolfth Or Günneter Nominal Wolfth Or Günneter Nominal Wolfth Or Günneter Nominal Wolfth O' Günneter Nominal Wolfth O' Günneter Nominal Wolfth O' Günneter Nominal Wolfth Nominal W	Test Number Logic Logic Logic Number Number Number Number Number Number Test Number	inch inch inch inch inch inch inch inch	mm mn mn mn mn K45 P3 P3 P4 P5 P5 P6 P6 P7 P8 P9 P9 P9 P9 P9 P9 P9	True or False True or False Complex, Element, Partial 1,2,3 1,2,3 Oropwight, Float, Hydraulic, lever, Locksheld, Motorized, Pherunatic, Soleroid, Spring, Thermostatic, Challen/heel	First Conventive Radius should be defined as the base or left side radius of conventure value. Indication of whether the tank is provided with a sidest*(FIRSE) or bubble*(FIRSE) Indication of whether the tank is provided with a visual indicator(FIRSE) indication of whether the tank is provided with a visual indicator(FIRSE) or no visual indicator(FIRSE) The nominal depth of the tank The nominal depth of the tank The common and tank of the tank The common and the provided with a visual indicator (FIRSE) or no visual indicator(FIRSE) The nominal depth of the tank The common and the provided with a visual indicator (FIRSE) The common and the provided with a visual indicator of the tank. The common and the provided with a visual indicator (FIRSE) The common and the tank indicator (FIRSE) The same and the provided with the provided visual indicator (FIRSE) The common and the provided visual indicator (FIRSE) The same and the provided visual indicator (FIRSE) T	If CV alve										
Nes Luader Nes Visual Indicator Nominal Depth Nominal Length O' Diameter Nominal Worth Pattern Yepe Second Curvature Radius Storage Yype Train Composition Expansion Train Longing Pressure Longing Pressure Pressure Regulator Setting Pressure Regulator Setting Regulator Setting Pressure Regulator Setting Regulator Setting Regulator Setting Regulator Setting Section Setting Section Setting Section Setting Section Tank Number O' Sections Section Length Section Worth Valve Valve Operation Diameter Section Section Section Worth Valve Valve Operation	Test Number Logic Logic Logic Number Number Number Number Number Number Test Test Number	inch inch inch inch inch inch inch inch	mm mm mm mm mm mm Fe Pe	True or False True or False Complex, Element, Partial 1,2,3 1,2,3 Oropwight, Float, Hydraulic, lever, Locksheld, Motorized, Pherunatic, Soleroid, Spring, Thermostatic, Challen/heel	First Convention Readous should be defined as the base or left sider radius of convention value. Indication of whether the tank is provided with a sides/TRIKE(I) or solbsder(TALSE) Indication of whether the tank is provided with a visual indicator(TRIKEE) or no visual indicator(TALSE) Indication of whether the tank is provided with a visual indicator(TALSE) or no visual indicator(TALSE) The normal death of the tank. The normal singsh or, in the case of a vertical cylindrical tank, the normal diameter of the tank. The normal singsh or, in the case of a vertical cylindrical tank, the normal diameter of the tank. Notice of sections used in the construction of the tank. Notice of sections used in the construction of the tank. Offices the types of patient for shape of a tank) that may be specified. Sectional Construction should be defined as the top or right value and and or curvature value. Section Construction which should be defined as the top or right value and and or curvature value. Section Construction which should be defined as the top or right value and and or curvature value. Section Construction which should be defined as the top or right value and and or curvature value. Section Construction which should be defined as the top or right value and the stank. Section Construction which should be defined to the top or right value and the stank. Nominal or design operating pressure of the tank. Pressure as which the relief value activates. Section Construction of the tank. Nominal or design operating pressure of the tank. Pressure as which the relief value activates. Section Construction of the stank. Nominal or design operating pressure of the tank. Pressure as which the relief value activates of the sections of the tank. Nominal or design operating pressure of the tank. The width of a section used in the construction of the tank. The r	RCValve										

Measured Pressure Drop	Number	Ky or Cy			The actual pressure drop in the fluid measured across the valve.								$\overline{}$
Percentage Open	Number	None			me accompressore or up in one more measured accompression of the valve. The ratio between the amount that the valve is open to the full open position of the valve.							-	-
Size	Number	Inch	mm		The size of the connection to the valve (or to each connection for fauces), mixing valves, etc.).							-	
Test Pressure	Number	PSI	Pa		me sace of the control to the white he also be some subjects. In the maximum pressure to which the valve has been subjected under test.							-	
Valve Mechanism	Text	F3I	Pd Pd	Ball, Butterfly, Gate, Globe,	The makanish pressure to which the valve function The mechanish pressure to which the valve function The mechanism pressure to which the valve function The mechanism pressure to the valve function of the valve f								
valve iviecitatiistii	Text			Gland, Plug, Needle	The mechanism by which the valve function								
				Giand, Plug, Needle									
Valve Pattern	Text			2Way, 3 Way, 4 Way	The configuration of the ports of a valve							-	
Working Pressure	Number	PSI	Pa	2110), 3110), 4110)	The normally expected maximum working pressure of the valve.							-	
Air Vent					Valve used to release air from a pipe or fitting.								
1					Note that an air release valve is constrained to have a single port pattern								
Is Automatic	Logic			True or False	Indication of whether the valve is automatically operated (TRUE) or manually operated (FALSE).								
Faucet					A small diameter valve, with a free outlet, from which water is drawn.								
Faucet Function	Number	Degrees F	Degrees C		Defines the operating temperature of a faucet that may be specified.								
Faucet Operation	Text	Degrees	Degreese	CeramicDisc, LeverHandle.	Defines the range of ways in which a faucet can be operated							-	
Faucet Top Description	Text				Description of the operating mechanism/roo of the faucet.							-	
Faucet Type	Text			Bib. Globe. Diverter.	Description of the per antigrite characteristic per antigrite characterist	-			-			-	
Finish	Text			Dio, Giobe, Directer,	Description of the finish anolied to the faucet.							+	
Flush Valve	rext				Description of the links applied to the rauder. Value that flashes a predetermed quantity of water to cleanse a WC, urinal or slop hopper.							 	
Piusii vaive					valve that riusnes a predetermined quantity or water to cleanse a W., urnal or slop nopper. Note that a flushing valve is constrained to have a 2 port pattern. Note that a flushing valve is constrained to have a 2 port pattern.								
Flushing Rate	Number	GPF/LPH			The predetermined quantity of water to be fisched.							-	
Has Integral Shut Off Device	Logic	GIT/LITE		True or False	The predetermined quantity of washing value has an internal shut off device fitted (set TRUE) or not (set FALSE).						_	+	
Is High Pressure	Logic			True or False	indication of whether the flushing valve is suitable for use on a high pressure water main (set TRUE) on on (set FALSE).							-	
Gas Tap Valve	LOGIC			True or raise	mulation or witerior to the most region as yet and a state of the most region and the most region and the most region and the most region as yet and a state of the most region as yet							+	
Has Hose Union	Logic			True or False	A smail olameter valve, used to discharge gas from a system. Indicates whether the gas tas is fitted with a hose union connection (= TRUE) or not (= FALSE).				_				
Has Hose Union	LOGIC			True or Faise	INDICATES WHETHER TABLE 19 THE							+	
Has Hose Union	Logic			True or False	A small olameter valve, used to orain water from a tank or water filled system. A small olameter valve, used to orain water from a tank or water filled system. Indicates whether the drawoff cock is fitted with a hose union connection (= TRUE) or not (= FALSE).							+	
	LUGIC			Tide of Faise									
Isolation Valve					Valve that is used to isolate system components.								
Is Normally Open	Logic			True or False	If TRUE, the valve is normally open. If FALSE is is normally closed.								
Isolating Purpose	Text				Defines the purpose for which the isolating valve				_				
Mixing Valve Mixer Control	T				A valve where typically the temperature of the outlet is determined by mixing hot and cold water inlet flows.							+	
	Text				Defines the form of control of the mixing valve.							+	
Outlet Connection Size Pressure Reducing Valve	Number	Inch	mm		The size of the pipework connection from the mixing valve.							 	
Pressure Reducing Valve					Valve that reduces the pressure of a fluid immediately downstream of its position in a pipeline to a preselected value or by a			1					
					predetermined ratio.								
Downstream Pressure	Number	PSI	Pa		Note that a pressure reducing valve is constrained to have a 2 port pattern. The operating resource of the fluid downstream of the pressure reducing valve. The operating resource of the fluid downstream of the pressure reducing valve.			 	_			 +	
Upstream Pressure	Number	PSI PSI	Pa Pa		The operating pressure of the fluid downstream of the pressure reducing valve. The operating pressure of the fluid dostream of the pressure reducing valve. The operating pressure of the fluid uostream of the pressure reducing valve.				_	-		 	
Pressure Relief Valve	ivumber	r31	ra		The Operating pressure or the future growth of the Control of the							+	
Pressure Relief Valve					Spring or weight loaded valve that automatically discharges to a safe place fluid that has built up to excessive pressure in pipes or fittings.								
					pipes or rittings. Note that a pressure relief valve is constrained to have a single port pattern.			1					
Relief Pressure	Number	PSI	Pa		Note that a pressure reliev valve is constrained to have a single port pattern. The pressure at which the sarring or weight in the valve is set of discharee fluid.				-			-	
Vibration Isolator	realliber	. 31			The pressure at which the spring or weight in the adversises to obscribe principle. A vibration is oblator is a device used to minimize the effects of vibration transmissibility in a building life/vibration/solator.							-	_
Height	Number	Inch	mm		A vibration solator is a device use or minimize the effects of vibration transmissionity in a building interest of the vibration isolator before the application of local control of the vibration isolator before the application of local control of the vibration isolator before the application of local control of the vibration isolator before the application of local control of the vibration isolator before the application of local control of the vibration isolator before the application of local control of the vibration isolator before the application of local control of the vibration isolator before the application of local control of the vibration isolator before the application of local control of the vibration isolator before the application of local control of the vibration isolator before the application of local control of the vibration isolator before the application of local control of the vibration isolator before the application of local control of the vibration isolator before the application of local control of the vibration isolator before the application of local control of the vibration isolator before the application of local control of the vibration isolator before the application of local control of the vibration isolator before the application of local control of the vibration isolator before the application of local control of the vibration isolator before the application of local control of the vibration isolator before the vibration isolator before the vibration is of the vibrati						-	-	
Isolator Compressibility	Number	Inch	mm		reignt of the vioration solutor before this application or load. The compressibility of the vibration solutor. The compressibility of the vibration solutor.							 	
Isolator Static Deflection	Number	Inch	mm		The compressions of the wheating isolator. Static deflection of the wheating isolator.						_	-	
Maximum Supported Weight	Number	Incn I hs	mm Køs		static centeroun of the worston solution. The maximum which that can be carried by the vibration isolator.			 	_			 +	
Vibration Transmissibility	Number	Percentage	v82		ine maximum weight mat can be carried by the vioration isolator. The vibration transissibility excent age.			 	_			 +	
violation transmissionity	Number	rercentage			The vibration transmissionity percentage.								

BIMForum LOD Specification 2018 Part II D- Fluid_Gas Distribution Baseline This work is licensed under the Creative Commons Part 1 - Attribute Description Part 3 - Example Project-Specific Milestones Additional Estimating Estimating LEED Cert. LEED Cert license Attribute Data Type Units - Imp. Units - Metric Option Examples Commentary IFC Name COBie Est. 1 Bid Pkg. Check Submitta Tag Global Attributes Text 100, 200, 300, 350, 400 Target LOD Current IOD Tevt 100, 200, 300, 350, 400 Pipe Flange IfcPipeSegment Condition Status New, Existing, Demolish, Temporary, User Defined Text Status of the element, predominately used in renovation or retrofitting projects Number Diameter of the circle along which the boltholes are placed. Bolt Size Bore Size Number Number Inch mm Size of the bolts securing the flange. Inch mm The nominal bore of the pipe flange. Flange Diameter Inch mm Overall diameter of the flange. Flange Standard Flange Table Designation of the standard describing the flange table. Designation of the standard table to which the flange conforms. Flange Thickness Number Inch mm Thickness of the material from which the pipe bend is constructed. Number Of Bolt holes Number Number of boltholes in the flange. IfcPipeFitting Pipe Fitting Text Status of the element, predominately used in renovation or retrofitting projects Temporary, User Defined The color of the pipe segment Flowrate Leakage Leakage flowrate versus pressure difference. Interior Roughness Coefficient The interior roughness coefficient of the pipe segment. Loss Coefficient Dimensionless loss coefficient used for calculating fluid resistance Temperature Range Allowable maximum and minimum temperature Bend Attributes Pipe fitting type attributes for bend shapes. Bend Angle Number Degrees The change of direction of flow. Bend Radius Number mm The radius of bending if circular arc or zero if sharp bend. Fitting Loss Factor A factor that determines the pressure loss due to friction through the fitting. Text The test or rated pressure classification of the fitting. Text Allowable maximum and minimum working pressure Tee/Cross Attributes Pipe fitting type attributes for junction shapes. Junction Left Angle Number Degrees The change of direction of flow for the left junction. Junction Left Radius Number Inch mm The radius of bending for the left junction. The change of direction of flow for the right junction where 0 indicates straight segment. Junction Right Angle Number Degrees Junction Right Radius Number Inch mm The radius of bending for the right junction where 0 indicates sharp bend. Junction Type Text The type of junction Tee, Cross Condition Status Text New, Existing, Demolish, Status of the element, predominately used in renovation or retrofitting projects Temporary, User Defined The color of the pipe segment. Fluid Flow Leakage Gradient Number None The gradient of the pipe segment. Inner Diameter Number Inch mm The actual inner diameter of the pipe. Interior Roughness Coefficient Number Kv or Cv The interior roughness coefficient of the pipe segment. Invert Elevation Number Inch mm The invert elevation relative to the datum established for the project. Leakage Curve Number Kv or Cv Leakage per unit length curve versus working pressure. Number mm The nominal diameter of the pipe segment Outer Diameter Number Inch mm The actual outer diameter of the pipe. Pressure Range Number PSI/Pa Allowable maximum and minimum working pressure (relative to ambient pressure). Number Temperature Range Allowable maximum and minimum temperature. Degrees F/C

Working pressure.

Working Pressure

Number

BIMForum LOD Specification 2018 Part II D50 - Electrical Part 1 - Attribute Description Part 3 - Example Project-Specific Milestones Baseline This work is Additional stimating Estimating LEED Cert. LEED Cer Attribute Data Type Units - Imp. Units - Metric Option Examples Commentary IFC Name COBie Tag Global Attributes Part or Equipment Tag
Status of the element, predominately used in renovation or retrofitting projects Text Temporary, User Defined Room Number Text Room number where component to be/is installed tory Number Text Floor or level room is located Manufacturer Name Text The organization that manufactured and/or assembled the item. oduct Name odel Designation Target LOD 100, 200, 300, 350, 400 Text 100, 200, 300, 350, 400 Properties of individual elements of manufactured products omponent characteristics Acquisition Date Assembly Place Date Time Date The date that the manufactured item was purchased. Text The identity of the bar code given to an occurrence of the product.

The identity of the bar code given to an occurrence of a product is taken. Batch Reference Text Year The year of production of the manufactured item Text The serial number assigned to an occurrence of a product. esign Performance ervice Life Captures the period of time that an artifact will last. Mean Time Between Failure Number Days The average time duration between instances of failure of a product. The length or duration of a service life. Number Year(s) Service Life Duration Captures various factors that impact the expected service life of elements within the system or zone Service Life Factors Text Adjustment of the service life resulting from the effect of design level employed.

Adjustment of the service life resulting from the effect of the indoor environment (where appropriate). Text Adjustment of the service life resulting from the effect of the conditions in which components are operating. In Use Conditions Text Text stment of the service life resulting from the effect of the level or degree of maintenance applied to compo Adjustment of the service life resulting from the effect of the outdoor environment (where appropriate) Outdoor Environment Text Quality Of Components Text Adjustment of the service life resulting from the effect of the quality of components used. Work Execution Level Text Adjustment of the service life resulting from the effect of the quality of work executed aser of an article by its manufacturer, promising to repair or replace it if A written guarantee, issued to the purchaser of an article by its manufacturer, promising to replair or replace it if necessary within a specified period of time items, conditions or actions that may be excluded from the warranty or that may cause the warranty to become void. Exclusions Text Logical Text Is Extended Warranty True or False Indication of whether this is an extended warranty whose duration is greater than that normally assigned Point Of Contact The organization that should be contacted for action under the terms of the warranty. Warranty Content Text The content of the warranty. Warranty End Date Date Time Date The date on which the warranty expires. The identifier assigned to a warranty.

The time duration during which a manufacturer or supplier guarantees or warrants the performance of an artefact. Warranty Start Date Date Time Date The date on which the warranty commences ctrical Properties Common electricial properties for a device Number Amps Current The current that a device is designed to handle. Grounded Logical True or False Indicates whether the electrical device has a protective earth connection Insulation standard classes provides basic protection information against electric shock. IEC 60529 Classification of degrees of protection provided by enclosures (IP Code). Enclosure Classification Text Frequency Number Hertz The upper and lower limits of frequency for which the operation of the device is certified Line Conductor Text y color: Red, Blue, Yellow Function of a line conductor to which a device is intended to be connected where L1, L2 and L3 represent the phase line by number 1, 2, 3, etc. according to IEC 60446 notation Phase Single or Three Number None Power Factor Number The ratio between the rated electrical power and the product of the device's rated current and rated voltage The current that a device is designed to handle. The voltage that a device is designed to handle. A device for storing energy in chemical form so that it can be released as electrical energy. Battery Battery Type Text The property enumeration defines the types of battery that may be specified within the property set Text Function of the conductors to which the load is connected.

Maximum 1 pole earth fault current provided at the point of supply i.e. the fault between 1 phase and PE/PEN. Amps Minimum 1 pole earth fault current provided at the point of supply i.e. the fault between 1 phase and PE/PEN. Earth Fault1 Pole Minimum State Number Earth Fault1 Pole Power Factor Maximum State Amps Power factor of the maximum 1 pole earth fault current provided at the point of supply i.e. the fault between 1 phase and yeer.
wer factor of the minimum 1 pole earth fault current provided at the point of supply i.e. the fault between 1 phase and Amps PE/PEN. Nominal Frequency Nominal Supply Voltage Hertz The nominal frequency of the supply. Volts Volts rum and minimum allowed voltage of the supply e.g. boundaries of 380V/440V may be applied for a nominal minal Supply Voltage Offse voltage of 400V. Short Circuit1 Pole Maximum State Number Amps Maximum 1 pole short circuit current provided at the point of supply i.e. the fault between 1 phase and N. Short Circuit1 Pole Minimum State
Short Circuit1 Pole Power Factor Maximum State Minimum 1 pole short circuit current provided at the point of supply i.e. the fault between 1 phase and N. Power factor of the maximum 1 pole short circuit current provided at the point of supply i.e. the fault between 1 phase an Number Short Circuit1 Pole Power Factor Minimum State Number PF ower factor of the minimum 1 note short circuit current provided at the point of supply i.e. the fault between 1 phase and Short Circuit2 Pole Power Factor Minimum State Number Power factor of the minimum 2 pole short circuit current provided at the point of supply. Short Circuit3 Pole Maximum State Amps Maximum 3 pole short circuit current provided at the point of supply. Short Circuit3 Pole Power Factor Maximum State Number Power factor of the maximum 3 pole short circuit current provided at the point of supply. A protective device tripping unit breaks an electrical circuit at a separate breaking unit when a stated electric current IfcProtectiveDevice that passes through the unit is exceeded The property enumeration defines the types of breaker that may be specified within the property set. Breaker Type Text Atex Verified An indication whether the tripping_unit is verified to be applied in EX-environment or no The maximum terminal size capacity of the device. Logical Limiting Terminal Size Text (KCM) Old Device Logical True or False Indication whether the protection_unit is out-dated or not. If not out-dated, the device is still for sale. The designation of the standard applicable for the definition of the characteristics of the tripping unit. An indication whether the time/current tripping information can be applied in a discrimination analysis Use In Discrimination Logical A coherent set of attributes representing a curve for let-through energy of a protective device. mber, 2-1 digits, Coord Set

Nominal Current

Number Amps

A set of nominal currents in [A] for which the data of this instance is valid.

Voltage Level	Number	Volts		The voltage levels of the protective device for which the data of the instance is valid.										
Fuse Curve	Nullibei	VORS		The voltage seves of the protective device for which the data of the instance is value.										
Breaker Unit Fuse Breaking Curve	Number, 2-8	Amps		A coherent set of attributes representing curves for melting- and breaking-energy of a fuse. The let through breaking energy of a breaker unit when a particular prospective breaking current is applied.										_
breaker offit ruse breaking curve	digits,	Ampa		The let though breaking chickey of a breaker which a particular prospective breaking carriers approach										
	Cartesian													
	Coord Set													
Breaker Unit Fuse Melting Curve	Number, 2-8	Amps		A curve that establishes the energy required to melt the fuse of a breaker unit when a particular prospective melting										
Breaker Office and twicking curve	digits,	Amps		current is applied.										
	Cartesian													
	Coord Set													
Voltage Level	Number	Volts		The voltage levels of the fuse for which the data of the instance is valid. More than one value may be selected in the										
				enumeration.										
IPI Curve				A coherent set of attributes representing curves for let-through currents of a protective device.										
Breaker Unit I P I Curve	Number, 2-16	Amps		The let through peak current of a breaker unit when a particular prospective current is applied.										
	digits,													
	Cartesian													
	Coord Set													
Nominal Current	Number	Amps		A set of nominal currents in [A] for which the data of this instance is valid. At least one value shall be provided.										
Voltage Level	Number	Volts		The voltage level of the protective device for which the data of the instance is valid. More than one value may be selected										
				in the enumeration.										
Breaker Capacity				A coherent set of attributes representing the breaking capacities of an MCB.										
I C N60898	Number	Amps		The nominal breaking capacity in [A] for an MCB tested in accordance with the IEC 60898 series.										
	Number	Amps		The service breaking capacity in [A] for an MCB tested in accordance with the IEC 60898 series.										
I C S60947 I C U60947	Number	Amps		The service breaking capacity in [A] for an MCB tested in accordance with the IEC 60947 series.										
	Number	Amps		The ultimate breaking capacity in [A] for an MCB tested in accordance with the IEC 60947 series. A set of nominal currents in [A] for which the data of this instance is valid. At least one value shall be provided.										_
Nominal Currents	Number	Amps		A Set of notificial currents in [A] for which the data of this instance is valid. At least one value shall be provided.										
Power Loss	Number	Watts		The power loss in [W] per pole of the MCB when the nominal current is flowing through the MCB.				-		 			_	
Voltage Level	Number	Volts		The voltage levels for which the data of the instance is valid. More than one value may be selected in the enumeration.										
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				The second secon								1		
Motor Protection				A coherent set of attributes representing different capacities of a a motor protection device, defined in accordance with IEC										
				60947.										
I C M60947	Number	Amps		The making capacity in [A] for a circuit breaker or motor protection device tested in accordance with the IEC 60947 series.										
I C S60947	Number	Amps		The service breaking capacity in [A] for a circuit breaker or motor protection device tested in accordance with the IEC 60947								1		
				series.									_	
I C U60947	Number	Amps		The ultimate breaking capacity in [A] for a circuit breaker or motor protection device tested in accordance with the IEC								1		
—				60947 series.									-1	
I C W60947	Number	Amps		The thermal withstand current in [A] for a circuit breaker or motor protection device tested in accordance with the IEC								1		
Performance Classes	Text		B, C, N, S, H, L, V	60947 series. The value shall be related to 1 s.		-			 					-
	Text Number	Volts	B, L, N, S, H, L, V	A set of designations of performance classes for the breaker unit for which the data of this instance is valid. The voltage levels for which the data of the instance is valid. More than one value may be selected in the enumeration.		-			 					-
Voltage Level	Number	voits		The voltage reversitor which are data of the instance is valid. More than one value may be selected in the enumeration.								1		
Characteristics				Properties that are applied to an occurrence of a protective device.										
Ground Fault Current Set Value	Number	Amps		Ground fault current set value. The set value of the ground tripping current if adjustable.							_			
Ground Fault Function	Logical	Allips	True or False	A flag indicating that the ground fault function of the device is used.										_
Ground Faulti2t Function	Logical			A flag indicating that the I2t ground fault function of the device is used.										
Ground Fault Tripping Time	Number	Seconds	True or raise	Ground fault tripping time. The set value of the ground fault tripping current if adjustable.										
Instantaneous Current Set Value	Number	Amps		Instantaneous current set value. The set value of the instantaneous tripping current if adjustable.										
Instantaneous Tripping Time	Number	Seconds		Instantaneous tripping time. The set value of the instantaneous tripping time if adjustable.										
Long Time Current Set Value	Number	Amps		Long time current set value. The set value of the long time tripping current if adjustable.										
Long Time Delay	Number	Seconds		Long time delay. The set value of the long time time-delay if adjustable.										
Long Time Function	Lonical			A flag indicating that the long time function (i.e. the thermal tripping) of the device is used										
Long Time Function	Logical Number		True or False	A flag indicating that the long time function (i.e. the thermal tripping) of the device is used. Pole usage.										
Pole Usage	Number	Amos	True or False 1,3	Pole usage.										
Pole Usage Short Time Current Set Value	Number Number	Amps	True or False 1,3	Pole usage. Short time current set value. The set value of the long time tripping current if adjustable.										
Pole Usage Short Time Current Set Value Short Time Function	Number Number Logical	Amps	True or False 1,3 True or False	Pole usage. Short time current set value. The set value of the long time tripping current if adjustable. A flag indicating that the short time function of the device is used.										
Pole Usage Short Time Current Set Value Short Time Function Short Timeizt Function	Number Number	Amps Seconds	True or False 1,3 True or False True or False	Pole usage. Short time current set value. The set value of the long time tripping current if adjustable. A flag indicating that the short time function of the device is used. A flag indicating that the 21th or time function of the device is used.										
Pole Usage Short Time Current Set Value Short Time Function Short Timeit Function Short Timeit Function Short Time Tripping Time	Number Number Logical Logical		True or False 1,3 True or False True or False	Pole usage. Short time current set value. The set value of the long time tripping current if adjustable. A flag indicating that the short time function of the device is used. A flag indicating that the 21th or time function of the device is used.										
Pole Usage Short Time Current Set Value Short Time Function Short Timeizt Function	Number Number Logical Logical		True or False 1,3 True or False True or False	Pole usage: Short time current set value. The set value of the long time tripping current if adjustable. A flag indicating that the short time function of the device is used. A flag indicating that the 21 short time function of the device is used. Short time tripping time. The set value of the short time tripping time if adjustable. Tripping current see pagined to thermal, flam magnetic or MCD. (EXT tripping usin) (i.e., tripping units having type property										
Pole Usage Short Time Current Set Value Short Time Function Short Time Function Short Time Tripping Time Trip Curve	Number Number Logical Logical Number	Seconds	True or False 1,3 True or False True or False	Pole usage. A flag indicating that the short time function of the device is used. A flag indicating that the short time function of the device is used. A flag indicating that the 21 short time function of the device is used. A flag indicating that the 21 short time function of the device used. Short time tripping time. The set value of the short time tripping time if algustable. Tripping curses are supplied to thermal, thermal imagencia or MCB_RCD tripping usins (i.e. tripping units) sets for thermal, thermal magnetic or MCB_RCD tripping defined). They are not applied to detection it ripping units.										
Pole Usage Short Time Current Set Value Short Time Function Short Timeit Function Short Timeit Function Short Time Tripping Time	Number Number Logical Logical Number Number		True or False 1,3 True or False True or False	Pole usage: Short time current set value. The set value of the long time tripping current if adjustable. A flag indicating that the short time function of the device is used. A flag indicating that the 21 short time function of the device is used. Short time tripping time. The set value of the short time tripping time if adjustable. Tripping current see pagined to thermal, flam magnetic or MCD. (EXT tripping usin) (i.e., tripping units having type property										
Pole Usage Short Time Current Set Value Short Time Function Short Time Function Short Time Tripping Time Trip Curve	Number Number Logical Logical Number Number	Seconds	True or False 1,3 True or False True or False	Pole usage. A flag indicating that the short time function of the device is used. A flag indicating that the short time function of the device is used. A flag indicating that the 21 short time function of the device is used. A flag indicating that the 21 short time function of the device used. Short time tripping time. The set value of the short time tripping time if algustable. Tripping curses are supplied to thermal, thermal imagencia or MCB_RCD tripping usins (i.e. tripping units) sets for thermal, thermal magnetic or MCB_RCD tripping defined). They are not applied to detection it ripping units.										
Pole Usage Short Time Current Set Value Short Time Function Short Time Function Short Time Tripping Time Trip Curve	Number Number Logical Logical Number Number Number, 2-16 digits, Cartesian	Seconds	True or False 1,3 True or False True or False	Pole usage. A flag indicating that the short time function of the device is used. A flag indicating that the short time function of the device is used. A flag indicating that the 21 short time function of the device is used. A flag indicating that the 21 short time function of the device used. Short time tripping time. The set value of the short time tripping time if algustable. Tripping curses are supplied to thermal, thermal imagencia or MCB_RCD tripping usins (i.e. tripping units) sets for thermal, thermal magnetic or MCB_RCD tripping defined). They are not applied to detection it ripping units.										
Pole Usage Short Time Current Set Value Short Time Function Short Time Function Short Time Function Short Time Tripping Time Trip Curve Tripping Curve	Number Number Logical Logical Number Number Number, 2-16 digits, Cartesian Coord Set	Seconds	True or False 1,3 True or False True or False	Pole usage. A flast indicating that the short time function of the device is used. A flast indicating that the short time function of the device is used. A flast indicating that the 21 short time function of the device is used. Short time repripting time. The set value of the other time tripping time if adjustable. Toping cursers are pagiled to thermal, thermal imagencies or ARG. (EU tripping ush) (i.e. tripping units) is supplied to thereof, thermal imagencies or ARG. (EU tripping units), i.e. tripping units. A curve that establishes the release time of a tripping unit when a particular prospective current is applied.										
Pole Usage Short Time Gurrent Set Value Short Time Function Short Time Function Short Time Function Short Time Tripping Time Trip Curve Tripping Curve Tripping Curve Tripping Curve Type	Number Number Logical Logical Number Number Number, 2-16 digits, Cartesian	Seconds	True or False 1,3 True or False True or False	Pole usage. Short time current set value. The set value of the long time tripping current if adjustable. A flag indicating that the short time function of the device is used. A flag indicating that the 21 short time function of the device is used. Short time tripping time. The set value of the short time tripping time if adjustable. Tripping currens are applied to thermal, them almagencies C MCB, ECD tripping usins (i.e. tripping units having type property sets for thermal, thermal magnetic or MCB, ECD tripping device is used. A curve that establishes the release time of a tripping unit when a particular prospective current is applied. The type of tripping curve that is represented by the property set.										
Pole Usage Short Time Current Set Value Short Time Function Short Time Function Short Time Function Short Time Tripping Time Trip Curve Tripping Curve	Number Number Logical Logical Number Number Number, 2-16 digits, Cartesian Coord Set	Seconds	True or False 1,3 True or False True or False	Note usage. Ange ndecising that the short time current set value. The set value of the long time tripping current if adjustable. Ange ndecising that the short time function of the device is used. Ange ndecising that the Short time function of the device is used. Chort one tripping time. The set value of the short time tripping time. If adjustable. Chort one tripping time. The set value of the short time tripping time. If adjustable. Short mem, the remail magnetic or MCB_RCD tripping defined]. They are not applied to electronic tripping units. A curve that establishes the release time of a tripping unit when a particular prospective current is applied. The type of tripping curve that is represented by the property set. They pee of tripping curve that is represented by the property set.										
Pole Usage Short Time Gurrent Set Value Short Time Gunction Short Time Function Short Time Function Short Time Tripping Time Trip Gurve Tripping Curve Tripping Curve Tripping Curve Type G. Curve	Number Number Logical Logical Number Number Number Number Text	Seconds Amps	True or false 1,3 True or false True or false True or false	Fole usage. Short time current set value. The set value of the long time tripping current if adjustable. A flag indicating that the short time function of the device is used. A flag indicating that the 23 hort time function of the device is used. Short time tripping time. The set value of the short time tripping time if adjustable. The property of the property of the short time tripping time if adjustable. Tripping current a repailed to thems, flament imagencies or MEG, BCD tripping usins (i.e. tripping units having type property sets for thems), thermal magnetic or MCB, RCD tripping defined). They are not applied to describe the short in the short of th										
Role Usage Short Time Current Set Value Short Time Function Short Time Function Short Times Tunction Short Times Tripping Time Tripping Curve Tripping Curve Tripping Curve Type G Curve Current Tolerances	Number Number Logical Logical Logical Number Number, 2-16 digits, Cartesian Coord Set Text	Seconds Amps Percentage	True or faite 1,3 True or faite True or faite True or faite	Followage. Short time current set value. The set value of the long time tripping current if adjustable. A flag indicating that the short time function of the device is used. A flag indicating that the 2-bit or time function of the device is used. A flag indicating that the 2-bit or time function of the device is used. Short time utripping time the 2-bit of time function of the device used. Short time tripping time. The set value of the short time tripping time if adjustable. Tripping curves a supplied to thermal, florem imagenize or MAS, EXCD tripping used is it. It is the stable in the set of the short time in the set of t										
Pole Usage Short Time Gurent Set Value Short Time Gunction Short Time Struction Short Time Struction Short Time Tripping Time Trip Curve Tripping Curve Tripping Curve Type G Curve Current Tolerances Current Tolerances Current Tolerances	Number Number Logical Logical Number Number Number, 2-16 digits, Cartesian Coord Set Text Number	Seconds Amps Percentage Percentage	True or faite 1,3 True or faite True or faite True or faite	Note usage. Short time current set value. The set value of the long time tripping current if adjustable. A flag indicating that the short time function of the device is used. A flag indicating that the 23 thor time function of the device is used. Short time tripping time. The set value of the short time tripping time if adjustable. Tripping current are papiled to themsh, them imagencies or Most. BCD tripping units (i.e. tripping units having type property sets for themsh, thermal magencies or Most. BCD tripping defined). They are not applied to devictions tripping units. A curve that establishes the release time of a tripping unit when a particular prospective current is applied. The type of tripping curve that is represented by the property set. Figorage functions are applied the selections: tripping units (i.e. tripping units having type property sets for electronic tripping defined). They are not applied to devictions tripping units when the particular prospective current is applied. The type of tripping curve that is represented by the property set. Figorage functions are applied to themsh, thermal magnetics of MCD tripping units. The total contraction of the current of time/current curve in [N].										
Role Usage Short Time Current Set Value Short Time Function Short Time Function Short Times Tunction Short Times Tripping Time Tripping Curve Tripping Curve Tripping Curve Type G Curve Current Tolerances	Number Number Logical Logical Logical Number Number, 2-16 digits, Cartesian Coord Set Text	Seconds Amps Percentage	True or faite 1,3 True or faite True or faite True or faite	Followage. Short time current set value. The set value of the long time tripping current if adjustable. A flag indicating that the short time function of the device is used. A flag indicating that the 2-bit or time function of the device is used. A flag indicating that the 2-bit or time function of the device is used. Short time utripping time the 2-bit of time function of the device used. Short time tripping time. The set value of the short time tripping time if adjustable. Tripping curves a supplied to thermal, florem imagenize or MAS, EXCD tripping used is it. It is the stable in the set of the short time in the set of t										
Pale Listage Short Time Current Set Value Short Time Current Short Time Struction Short Times Truction Short Times Tripping Time Trip Current Tripping Curve Tripping Curve Tripping Curve Type G Curvent Current Telerance2 Current Telerance3 Current Telerance3 Current Telerance4 Current Telerance5 C	Number Number Logical Logical Number Number Number, 2-16 digits, Cartesian Coord Set Text Number	Seconds Amps Percentage Percentage	Tue of falte Tue of falte Tue of falte True of falte True of falte True of falte	Followage. A flag indicating that the short time function of the device is used. A flag indicating that the short time function of the device is used. A flag indicating that the Short time function of the device is used. A flag indicating that the Short time function of the device is used. Short time further that Short time function of the device is used. Short time tripping time. The set value of the short time tripping time of adjustable. The representation of the short time function of the device is used. Accuracy that is a specific to thermal, finem function of the device function of the device is used. A curve that establishes the release time of a tripping unit when a particular prospective current is applied. The type of tripping curve that is represented by the property set. Tripping function are applied to thermal, flagentier of KOV byinging units. The tolerance for the current of financiarriest curve in Tol. The time limit is justing the application of current of levenace, if any if the value is set to 0, the value of the Current Operancianutt. The time limit is justing the application of current of levenace, if any if the value is set to 0, the value of the current of the non-curve. An indication if the gound four fourther curve. An indication if the gound four fourther curve.										
Pole Usage Short Time Gunction Short Time Gunction Short Time Struction Short Time Struction Short Time Struction Short Time Struction Trip Curve Tripping Curve Tripping Curve Type 6 Curve Current Tolerance1 Current Tolerance2 Current Tolerance2 Current Tolerance2 Current Tolerance	Number Number Logical Logical Number Number Number, 2-16 digits, Cartesian Cord Set Text Number Number Number	Seconds Amps Percentage Percentage	Tue of falte Tue of falte Tue of falte True of falte True of falte	Short time current set value. The set value of the long time tripping current if adjustable. A flag indicating that the short time function of the device is used. A flag indicating that the 23 host time function of the device is used. Short time current the 23 host time function of the device is used. Short time tripping time. The set value of the short time tripping time? adjustable. Short time tripping time. The set value of the short time tripping time? adjustable. A current time tripping time. The set value of the short time tripping time? Adjustable. A current time that the set of the s										
Pole Usage Short Time Current Set Value Short Time Current Short Time Function Short Time Function Short Time Function Short Time Tripping Time Trip Curve Tripping Curve Tripping Curve Tripping Curve Tripping Curve Tripping Curve Tripping Curve Tolerance Scarce Current Tolerance Current Seternal Agilized Seternal Agilized Seturent Tolerance Limits	Number Number Logical Logical Logical Number Number, 2-16 digits, Cartesian Coords Text	Seconds Amps Percentage Percentage	True or false 1,3 True or False	Fole usage. A flag indicating that the short time function of the device is used. A flag indicating that the short time function of the device is used. A flag indicating that the Short time function of the device is used. A flag indicating that the Short time function of the device is used. Short time used. Short time in the Short time function of the device is used. Short time tripping time. The set value of the short time tripping time of adjustable. Tripping curves are applied to thermal, thermal imagence for MCIB, ECD tripping used is, Lie. tripping units having type property sets for the mail, thermal magence for MCIB, ECD tripping used is, Lie. tripping units. A curve that establishes the release time of a tripping unit when a particular prospective current is applied. The type of tripping curve that is represented by the property set. Tripping functions are applied to thermal, flagment in the stablishment of the stablishment of the current of time/current curve in [3]. The tolerance for the current of time/current curve in [3]. The tolerance for the current of time/current curve in [3]. The tolerance for the current of time/current curve in [3]. Current Clearance is a valief for the value in a curve in [4] and for times above CurrentToleranceclimit1. The tolerance for the current of time/current curve in [3]. CurrentTolerances is valief for the value of the current of time/current curve. An indication if the ground fault protection may be adjusted scorting to an external current coil or not. Indication whether the value of CurrentTolerances is provided as a positive tolerance only or not. If not, the value is provided as a positive tolerance only or not. If not, the value is provided as a positive tolerance only or not. If not, the value is provided as a positive tolerance only or not. If not, the value is provided as a positive tolerance.										
Role Lusge Short Time Gunction Short Time Gunction Short Time Short Come Short Time Short Come Short Times Short Come Short Times Short Come Tripping Curve Tripping Curve Tripping Curve Type G Curve Curvent Tolerance S Current Tolerance S Current Tolerance S Current Tolerance I inti	Number Number Logical Logical Number, 2-16 digits, Cartesian Coord Set Text Number Number Number Logical Logical Logical	Seconds Amps Percentage Percentage	True of falte	Short time current set value. The set value of the long time tripping current if adjustable. A flag indicating that the short time function of the device is used. A flag indicating that the 3 host time function of the device is used. A flag indicating that the 3 host time function of the device is used. Short time current the 12 host time function of the device is used. Short time tripping current is used to the 3 host time tripping time if adjustable. Tripping current is explicit to themal, flower imagencies co MCS, ECO tripping units (E. it tipping units) having type property sets for device many large control. They are not applied to device the 3 host time of a tripping cellered). They are not applied to device the 3 host time of a tripping units having type property sets for device the stabilities current that is represented by the property sets for device current is applied. The type of tripping current that is represented by the property sets for device the set of tripping units. They are not applied to themal, thermal magnetic or RCD tripping units. The total control of the current of time (current curve in [5]). They are not applied to themal, thermal magnetic or RCD tripping units. The total current time current of time (current curve in [5]). The total current of time (current curve in [6]) value for times above CurrentTotereascctimint. The time limit in [5] immig the application of current of called a fair times above CurrentTotereascctimint. The time limit in [5] immig the application of current of called a positive bilderance only or not. If not, the value is provided an a positive bilderance only or not. If not, the value is provided an a positive bilderance only or not. If not, the value is provided an a positive bilderance only or not. If not, the value is provided an applied by the current of										
Pole Usage Short Time Current Set Value Short Time Current Short Time Function Short Time Function Short Time Function Short Time Tripping Time Trip Curve Tripping Curve Tripping Curve Tripping Curve Tripping Curve Tripping Curve Tripping Curve Tolerance Scarce Current Tolerance Current Seternal Agilized Seternal Agilized Seturent Tolerance Limits	Number Number Logical Logical Logical Number Number Number Number Number Logical Logical Number Logical Logical Logical Logical Logical Logical Logical	Seconds Amps Percentage Percentage	True or false 1,3 True or False	Pole usage. A flag indicating that the short time function of the device is used. A flag indicating that the Short time function of the device is used. A flag indicating that the Short time function of the device is used. Short time current to the Short time function of the device is used. Short time tripping time. The set value of the short time tripping time if adjustable. Tripping curves are applied to thermal, theman langeates or Mag. (EX tripping units law, size, s										
Pale Lusge Short Time Current Set Value Short Time Cunction Short Time Function Short Times Tunction Short Times Tunction Short Times Tripping Time Tripping Curve Tripping Curve Tripping Curve Type G Curve Current Tolerance 2 Current Tolerance I Current Tolerance I External Adjusted Is Current Tolerance Initial External Adjusted Is Time Tolerance Positive Only Is Setentible Is Time Tolerance Positive Only	Number Number Logical Logical Logical Number, 2-16 digits, Cartesian Coord Set Text Number Number Number Logical Logical Logical Logical	Seconds Amps Percentage Percentage	True or false	Note usage. After additional terms and value. The set value of the long time tripping current if adjustable. After additioning that the short time function of the device is used. After additioning that the short time function of the device is used. After additioning that the short time function of the device is used. Short time used. Short time used that the 23 both the huntroon of the device used. Short time tripping time. The set value of the short time tripping time if adjustable. Tripping curves are papied to thermal, thermal magnetic or MCB, ECD tripping used is it. E. tripping units having type property sets for deviation of the device of the short time and the short time tripping time in the short time and the short time that the short time time the short time time the short time time the short time time time time to the short time time time time time time time tim										
Role Lusge Short Time Gunction Short Time Gunction Short Time Short Come Short Time Short Come Short Times Short Come Short Times Short Come Tripping Curve Tripping Curve Tripping Curve Type G Curve Curvent Tolerance S Current Tolerance S Current Tolerance S Current Tolerance I inti	Number Number Logical Logical Number, 2-16 digits, Cartesian Coord Set Text Number Number Number Logical Logical Logical	Seconds Amps Percentage Percentage	True or false	Fine usage. Short time current set value. The set value of the long time tripping current if adjustable. A flag indicating that the short time function of the device is used. A flag indicating that the 21 short time function of the device is used. Short time tripping time. The set value of the short time tripping time if adjustable. The tripping curves a repailed to thems, flavore managenetic or MES, BCD tripping units (i.e. tripping units having type property sets for thems), thereas magnetic or MCS, BCD tripping sets (i.e. tripping units having type property sets for thems), thereas magnetic or MCS, BCD tripping sets (i.e. tripping units having type property sets for thems), thereas magnetic or MCS, BCD tripping units (i.e. tripping units having type property sets for thems), the set of the set o										
Pale Lusge Short Time Current Set Value Short Time Cunction Short Time Function Short Times Tunction Short Times Tunction Short Times Tripping Time Tripping Curve Tripping Curve Tripping Curve Type G Curve Current Tolerance 2 Current Tolerance I Current Tolerance I External Adjusted Is Current Tolerance Initial External Adjusted Is Time Tolerance Positive Only Is Setentible Is Time Tolerance Positive Only	Number Number Logical Logical Logical Number, 2-16 digits, Cartesian Coord Set Text Number Number Number Logical Logical Logical Logical	Seconds Amps Percentage Percentage	True or false	Note usage. After additional terms and value. The set value of the long time tripping current if adjustable. After additioning that the short time function of the device is used. After additioning that the short time function of the device is used. After additioning that the short time function of the device is used. Short time used. Short time used that the 23 both the huntroon of the device used. Short time tripping time. The set value of the short time tripping time if adjustable. Tripping curves are papied to thermal, thermal magnetic or MCB, ECD tripping used is it. E. tripping units having type property sets for deviation of the device of the short time and the short time tripping time in the short time and the short time that the short time time the short time time the short time time the short time time time time to the short time time time time time time time tim										
Role Lusge Short Time Gunction Short Time Gunction Short Time Function Short Times Function Short Times Times The Gunction Short Times Times Tripping Curve Tripping Curve Tripping Curve Type G Curve Curvent Tolerance 2 Current Tolerance 2 Current Tolerance (unit) Gunction Current Tolerance Positive Only Is Selectable Is Time Tolerance Positive Only Nominal Current Adjusted	Number Number Logical Logical Logical Number, 2-16 digits, Cartesian Coord-Set Text Number Number Number Logical Logical Logical Logical	Seconds Amps Percentage Percentage Seconds	True or falte	Short time current set value. The set value of the long time tripping current if adjustable. A flag indicating that the short time function of the device is used. A flag indicating that the 23 host time function of the device is used. Short time current that the 23 host time function of the device is used. Short time tripping time. The set value of the vibort time tripping time? Adjustable. Short time tripping time. The set value of the vibort time tripping time? Adjustable. Short time tripping time. The set value of the vibort time tripping time? Adjustable. Active that establishes the release time of a tripping unit when a particular prospective current is applied. The type of floosing current that is represented by the property set. The type of floosing current that is represented by the property set. The type of floosing current that is represented by the property set. The type of floosing current that is represented by the property set. The type of floosing current that is represented by the property set. The type of floosing current that is represented by the property set. The type of floosing current that is represented by the property set. The type of floosing current that is represented by the property set. The type of floosing current that is represented by the property set. The type of floosing current that is represented by the property set. The type of the set of type property set. The type of floosing current that is represented by the property set. The type of type property sets for electronic tripping defined.) They are not applied to electronic tripping defined.) They are not applied to the current of time/current curve in [9]. The tolerance for the current of time/current curve is [9]. The tolerance for the current of time/current curve is [9]. The tolerance for the current of time/current curve is [9]. The time limit [1] is primed the application of current time set set to 0, the value of the current curve is proved as a ploosified tolerance control of the tripping of										
Pole Usage Short Time Current Set Value Short Time Current Short Time Function Short Time Struction Short Time Struction Short Time Struction Trip Curve Trip Curve Tripping Curve Type G Curve Tripping Curve Type G Curvent Tolerance I Current Tolerance I Current Tolerance Limits I Current Tolerance Limits I Setternal Adjusted Is Current Tolerance Positive Only Nominal Current Adjusted Release Current Release Current	Number Number Logical Logical Logical Number Number, 2-16 digits, Cartesian Coord Set Text Number Number Number Logical Logical Logical Logical Logical Logical Number	Seconds Amps Percentage Recentise Seconds	True or falte	Finde usage: A flag indicating that the short time function of the device is used. A flag indicating that the short time function of the device is used. A flag indicating that the Short time function of the device is used. A flag indicating that the Short time function of the device is used. Short time used. Short time used is the short time that the short time tripping time of adjustable. The short time tripping time. The set value of the short time tripping time of adjustable. The short time tripping time that the short time tripping time of adjustable. The short time that the short time tripping time of adjustable. A curve that establishes the release time of a tripping unit when a particular prospective current is applied. The type of tripping curve that is represented by the property set. Tripping functions are applied to thermal, flagenter of the Short time that the short time that the short time that the short time that the short time time time to short time time time to short time time time to short time time time time to the short time time time time time time time tim										
Role Lusge Short Time Gunction Short Time Gunction Short Time Function Short Times Function Short Times Times The Gunction Short Times Times Tripping Curve Tripping Curve Tripping Curve Type G Curve Curvent Tolerance 2 Current Tolerance 2 Current Tolerance (unit) Gunction Current Tolerance Positive Only Is Selectable Is Time Tolerance Positive Only Nominal Current Adjusted	Number Number Logical Logical Logical Number, 2-16 digits, Cartesian Coord-Set Text Number Number Number Logical Logical Logical Logical	Seconds Amps Percentage Percentage Seconds	True or falte	Short times current set value. The set value of the long time tripping current if adjustable. A flag indicating that the short time function of the device is used. A flag indicating that the 3 hort time function of the device is used. A flag indicating that the 23 hort time function of the device is used. Short time tripping time. The set value of the short time tripping time? adjustable. The special power of the short time tripping time? A global power of the short time tripping current as pupiled to themsel, there manages control, 250 to praise guide. It is the special control, and the short time short time the special control time short time to the special control time short time short time. The type current is special to the section of the property set of the special control time short time sh										
Pole Usage Short Time Gunction Short Time Gunction Short Time Function Short Time Struction Short Time Struction Short Time Struction Short Time Struction Tripping Curve Tripping Curve Tripping Curve Tripping Curve Tripping Curve Type Gunce Guncent Tolerance S Guncent Tolerance S Guncent Tolerance Limit Seternal Aglisted Is Current Tolerance Positive Only Is Selectable Is Time Tolerance Positive Only Nominal Current Aglisted Selesse Current Release Current Release Current Release Current	Number Number Logical Logical Logical Number	Seconds Amps Percentage Percentage Seconds Amps Amps	True or false True or False True or False True or False True or False True or False True or False True or False True or False True or False True or False True or False	Fine usage. A flag indicating that the short time function of the device is used. A flag indicating that the short time function of the device is used. A flag indicating that the short time function of the device is used. A flag indicating that the Short time function of the device is used. Short time used. Short time used is the short time of the device is used. Short time tripping time. The set value of the short time tripping time of adjustable. Tripping curves are applied to thermal, thermal magnetic or MCIB, ECD tripping used is; (Ex-tripping units having type property sets for thermal, thermal magnetic or MCIB, ECD tripping used is; (Ex-tripping units having type property sets for thermal, thermal magnetic or MCIB, ECD tripping used is; (Ex-tripping units). A curve that establishes the release time of a tripping unit when a particular prospective current is applied. The type of tripping curve that is represented by the property set. Tripping functions are applied to thermal, thermal magnetic or MCIB tripping units having type property sets for electronic tripping units for the stablishes the release time of a tripping units for the sales of the stablishes the release time of a tripping units (Ex-tripping units) and the sales of t										
Pale Lusge Short Time Current Set Value Short Time Current Short Time Function Short Time Truction Short Time Tryping Time Tryping Curve Tripping Curve Tripping Curve Tripping Curve Type G Current Current Tolerance2 Current Tolerance2 Current Tolerance Limit External Adjusted Is Current Tolerance Positive Only Is Selectable Is Time Tolerance Positive Only Nominal Current Adjusted Selecta Current Selectable Selectable Current Selectable Selectable Current Selectable Selectable Current Release Current RELEAT	Number Number Logical Logical Logical Number, 2-16 dig8s, Carreisal Feat Feat Number Logical Logical Logical Logical Logical Logical Logical Logical Number	Seconds Amps Percentage Percentage Seconds Amps Amps Amps Amps	True or false True or False True or False True or False True or False True or False True or False True or False True or False True or False True or False True or False	Short times current set value. The set value of the long time tripping current if adjustable. A flag indicating that the short time function of the device is used. A flag indicating that the 3 hort time function of the device is used. A flag indicating that the 23 hort time function of the device is used. Short times tripping time. The set value of the short time tripping time if adjustable. The specific times the specific thirties in the sime tripping time if adjustable. The specific times the specific times the specific times in the specific times th										
Pole Usage Short Time Gunction Short Time Gunction Short Time Function Short Time Struction Short Time Struction Short Time Struction Short Time Struction Tripping Curve Tripping Curve Tripping Curve Tripping Curve Tripping Curve Type Gunce Guncent Tolerance S Guncent Tolerance S Guncent Tolerance Limit Seternal Aglisted Is Current Tolerance Positive Only Is Selectable Is Time Tolerance Positive Only Nominal Current Aglisted Selesse Current Release Current Release Current Release Current	Number Number Logical Logical Logical Number	Seconds Amps Percentage Percentage Seconds Amps Amps	True or false True or False True or False True or False True or False True or False True or False True or False True or False True or False True or False True or False	Short times current set value. The set value of the long time tripping current if adjustable. A flag indicating that the short time function of the device is used. A flag indicating that the 3-bit of time function of the device is used. A flag indicating that the 2-bit or time function of the device is used. Short time stripping time. The set value of the abort time tripping time if adjustable. The stripping curves are papilled to thermal, flearing managenetic or MSE, ECO tripping units (a.t. tripping units having type property sets for device managenetic or MSE, ECO tripping units (a.t. tripping units having type property sets for device managenetic or MSE, ECO tripping units (a.t. tripping units having type property sets for device managenetic or MSE). A curve that establishes the release time of a tripping unit when a particular prospective current is applied. The type of tripping curve that is represented by the property set. Tripping functions are applied to device the set of the set										
Role Lusge Short Time Gunction Short Time Gunction Short Time Gunction Short Time Short Committee Short Time Short Committee Short Time Short Committee Tripping Curve Tripping Curve Tripping Curve Type G Curve Curvent Tolerance 2 Current Tolerance 2 Current Tolerance 2 Current Tolerance Identified Is Current Tolerance Positive Only Is Selectable Is Time Tolerance Positive Only Nominal Current Adjusted Release Current IZ End	Number Number Logical Logical Logical Number	Seconds Amps Percentage Percentage Seconds Amps Amps Amps Amps Amps Seconds	True or false True or False True or False True or False True or False True or False True or False True or False True or False True or False True or False True or False	Short time current set value. The set value of the long time tripping current if adjustable. A flag indicating that the short time function of the device is used. A flag indicating that the 23 host time function of the device is used. Short time current that the 23 host time function of the device is used. Short time tripping time. The set value of the short time tripping time? Adjustable. Short time tripping time. The set value of the short time tripping time? Adjustable. A contract that the set of the se										
Pale Lusge Short Time Current Set Value Short Time Current Short Time Function Short Time Truction Short Time Tryping Time Tryping Curve Tripping Curve Tripping Curve Tripping Curve Type G Current Current Tolerance2 Current Tolerance2 Current Tolerance Limit External Adjusted Is Current Tolerance Positive Only Is Selectable Is Time Tolerance Positive Only Nominal Current Adjusted Selecta Current Selectable Selectable Current Selectable Selectable Current Selectable Selectable Current Release Current RELEAT	Number Number Logical Logical Logical Number, 2-16 dig8s, Carreisal Feat Feat Number Logical Logical Logical Logical Logical Logical Logical Logical Number	Seconds Amps Percentage Percentage Seconds Amps Amps Amps Amps	True or false True or False True or False True or False True or False True or False True or False True or False True or False True or False True or False True or False	Note time current set value. The set value of the long time tripping current if adjustable. A flag indicating that the short time function of the device is used. A flag indicating that the 23 hort time function of the device is used. And in indicating that the 23 hort time function of the device is used. Short time stripping time. The set value of the about time tripping time if adjustable. The ripping curves are applied to thermal, memma imagency cor Most, GOT tripping units (i.e. tripping units having type property sets for diversal, thermal maging cor Most, GOT tripping units (i.e. tripping units having type property sets for diversal, thermal maging cor Most, GOT tripping units in sets (i.e. tripping units having type property sets for diversal, thermal maging cor Most, GOT tripping units in the stabilishes the release time of a tripping unit when a particular prospective current is applied. The type of tripping curve that is represented by the property set. Tripping functions are applied to electronic tripping units having type property sets for electronic tripping units having the application of control tripping units h										
Role Lusge Short Time Current Set Value Short Time Gunction Short Time Function Short Times Function Short Times Tripping Time Tripping Curve Tripping Curve Tripping Curve Tripping Curve Type G Current Current Tolerance2 Current Tolerance2 Current Tolerance2 Current Tolerance2 Current Tolerance Imit External Adjusted Is Time Tolerance Positive Only Nominal Current Adjusted Release Current Release Current Cl End	Number Number Logical Logical Logical Number	Seconds Amps Percentage Percentage Seconds Amps Amps Amps Amps Seconds Seconds	True or false 1.3 True or false	Short times current set value. The set value of the long time tripping current if adjustable. A flag indicating that the short time function of the device is used. A flag indicating that the 23 host time function of the device is used. Short time current the 23 host time function of the device is used. Short time tripping time. The set value of the short time tripping time? and public times and short times that the short time tripping time? A global times and the short time tripping current and public times and the short time tripping current and spalled to the short time the short time tripping current and spalled to decrease the short times and times and times the short times and times the short times and times the short times the short times and times the short times to the short										
Pole Usage Short Time Current Set Value Short Time Current Frip Current Tripping Curve Tripping Curve Tripping Curve Type G Current Current Toler annez Current Toler annez Current Toler annez Current Toler annez Short Time Current Short Toler Short	Number Number Logical Logical Logical Number Number, 2-16 digts, Cartesian Coord Set Text Text Number	Seconds Amps Percentage Percentage Recented Seconds Amps Amps Amps Amps Seconds Seconds Seconds	True of false 1,3 True or False True or False True or False True or False True or False True or False True or False True or False True or False True or False True or False True or False	Short time current set value. The set value of the long time tripping current if adjustable. A flag indicating that the short time function of the device is used. A flag indicating that the Short time function of the device is used. A flag indicating that the Short time function of the device is used. Short time further than the Short time function of the device is used. Short time further than the Short time function of the device used. Short time further than the Short time function of the device used. Short time further than the Short time function of the device used. Short time further than the Short time function of the device used. A curve that establishes the release time of a tripping unit when a particular prospective current is applied. The type of tripping curve that is represented by the property set. Tripping functions are applied to electronic tripping units like tripping units having type property sets for electronic tripping units for the short time function of current function in Six valid for times above Current GolerenceLimit. The time function is plaining the application of current function of current function of current function in the short time function of current function of current function in the short time function of current function in the short time function of current function whether the value of Current Tolerance is provided as a positive tolerance only or not. If not, the value is provided as a positive tolerance only or not. If not, the value is provided as a positive tolerance only or not. If not, the value is provided as a positive tolerance only or not. If not, the value is provided as a positive tolerance only or not. If not, the value is provided as a positive tolerance only or not. If not, the value is provided as a positive tolerance only or not. If not, the value is provi										
Role Lisage Short Time Current Set Value Short Time Current Short Time Function Short Time Truction Short Time Truction Short Time Tryping Time Tripping Curve Tripping Curve Tripping Curve Tripping Curve Type G Curve Current Tolerance 2 Current Tolerance 2 Current Tolerance 2 Current Tolerance Idea Is Current Tolerance Positive Only Is Selectable Is Time Tolerance Positive Only Nominal Current Adjusted Paleose Current Release Time Release Time Release Time 12 End	Number Number Logical Logical Logical Number	Seconds Amps Percentage Percentage Seconds Amps Amps Amps Seconds Seconds Seconds	True or false 1,3 True or False	Short times current set value. The set value of the long time tripping current if adjustable. A flag indicating that the short time function of the device is used. A flag indicating that the 3 hort time function of the device is used. A flag indicating that the 23 hort time function of the device is used. Short times current to the 23 hort time function of the device is used. Short times tripping current in the 23 hort time function of the device is used. Short times tripping current to the 23 hort times function of the device is used. Short times tripping current to the 34 hort times tripping current and supplied to thermal, thermal mapper control (S.C.) to praise using tic. It tripping units having type property sets for device the sets of the										
Role Lusge Short Time Current Set Value Short Time Current Short Time Current Short Time Shuretion Tripping Curve Tripping Curve Tripping Curve Type Gurve Current Tolerance2 Current Tolerance2 Current Tolerance2 Current Tolerance2 Current Tolerance2 Shuretion Shuretin Tolerance2 Shuretin Sh	Number Number Logical Logical Logical Number, Number, Number, Number	Amps Seconds Seconds Seconds	True or false 1,3 True or False	Short time current set value. The set value of the long time tripping current if adjustable. A flag indicating that the short time function of the device is used. A flag indicating that the 23 host time function of the device is used. A flag indicating that the 23 host time function of the device is used. Don't more tripping time. The set value of the short time tripping time if adjustable. Don't more tripping time. The set value of the short time tripping time if adjustable. A current that explain time. The set value of the short time tripping time if adjustable. A current time is set to the set of th										
Role Lisage Short Time Current Set Value Short Time Current Short Time Function Short Time Truction Short Time Truction Short Time Tryping Time Tripping Curve Tripping Curve Tripping Curve Tripping Curve Type G Curve Current Tolerance 2 Current Tolerance 2 Current Tolerance 2 Current Tolerance Idea Is Current Tolerance Positive Only Is Selectable Is Time Tolerance Positive Only Nominal Current Adjusted Paleose Current Release Time Release Time Release Time 12 End	Number Number Logical Logical Logical Number	Seconds Amps Percentage Percentage Seconds Amps Amps Amps Seconds Seconds Seconds	True or false 1,3 True or False	Short times current set value. The set value of the long time tripping current if adjustable. A flag indicating that the short time function of the device is used. A flag indicating that the short time function of the device is used. A flag indicating that the 23 both time function of the device is used. Short times (a flag indicating that the 23 both time function of the device is used.) Short times (a flag indicating that the 23 both time function of the device is used.) Short times (a flag indicating that the 24 both time tripping time if adjustable. This pipe curvers as explicit othermal, them imagenize or MoS, ECO tipping used is size, it typing units having type property sets for device and indicating the size of th										
Role Lusge Short Time Current Set Value Short Time Current Short Time Struction Short Time Struction Short Time Struction Short Time Struction Tripping Curve Tripping Curve Tripping Curve Type G Corve Current Tolerance1 Current Tolerance2 Current Tolerance2 Current Tolerance2 Current Tolerance2 Struction	Number Number Logical Logical Logical Number, Number, Number, Number	Amps Seconds Seconds Seconds	True of false 13 True of False	Short times current set value. The set value of the long time tripping current if adjustable. A flag indicating that the short time function of the device is used. A flag indicating that the 23 host time function of the device is used. A flag indicating that the 23 host time function of the device is used. Short time tripping time. The set value of the short time tripping time? adjustable. They great the papellot of themse, and the short time tripping time? adjustable. They great the short papellot of themse, and the short time tripping defined). They are not applied to deciron the short papellot of themse, and the short time tripping defined). They are not applied to deciron the short papellot of the short time time the short time time the short time time the short time time time time the short time time time time time time time tim										
Role Lusge Short Time Current Set Value Short Time Current Short Time Current Short Time Shuretion Tripping Curve Tripping Curve Tripping Curve Type Gurve Current Tolerance2 Current Tolerance2 Current Tolerance2 Current Tolerance2 Current Tolerance2 Shuretion Shuretin Tolerance2 Shuretin Sh	Number Number Logical Logical Logical Number, Number, Number, Number	Amps Seconds Seconds Seconds	True of false 13 True of False	Short times current set value. The set value of the long time tripping current if adjustable. A flag indicating that the short time function of the device is used. A flag indicating that the 23 host time function of the device is used. A flag indicating that the 23 host time function of the device is used. Short time tripping time. The set value of the short time tripping time? adjustable. They great the papellot of themse, and the short time tripping time? adjustable. They great the short papellot of themse, and the short time tripping defined). They are not applied to deciron the short papellot of themse, and the short time tripping defined). They are not applied to deciron the short papellot of the short time time the short time time the short time time the short time time time time the short time time time time time time time tim										
Role Lusge Short Time Current Set Value Short Time Current Short Time Struction Short Time Struction Short Time Struction Short Time Struction Tripping Curve Tripping Curve Tripping Curve Type G Corve Current Tolerance1 Current Tolerance2 Current Tolerance2 Current Tolerance2 Current Tolerance2 Struction	Number Number Logical Logical Logical Number, Number, Number, Number	Amps Seconds Seconds Seconds	True of false 13 True of False	Short times current set value. The set value of the long time tripping current if adjustable. A flag indicating that the short time function of the device is used. A flag indicating that the 23 host time function of the device is used. A flag indicating that the 23 host time function of the device is used. Short time tripping time. The set value of the short time tripping time? A global short is short to the short time tripping time? A global short is short to the short time tripping current as applied to themse, and short is short to the short time tripping current as applied to themse, and short time the short time tripping defined). They are not applied to deciron, which is short to the short time time the short time time the short time time the short time time time the short time time time time time time time tim										
Role Listage Short Time Current Set Value Short Time Current Short Time Function Short Time Tripping Time Trip Curve Tripping Curve Tripping Curve Tripping Curve Type G Curve Current Tolerance Limit Current Tolerance Limit Listage	Number Number Logical Logical Logical Number	Seconds Amps Percentage Percentage Percentage Seconds Amps Amps Amps Seconds Seconds Seconds Seconds	True of false 13 True of False	Short times current set value. The set value of the long time tripping current if adjustable. A flag indicating that the short time function of the device is used. A flag indicating that the Short time function of the device is used. And gendicating that the 23 hort time function of the device is used. Short times tripping time. The set value of the about time tripping time if adjustable. The ripping curves are pupiled to thermal, fleen managenetic or MSQ. (Cit proping units (a.e. tripping units having type property sets for thermal, thermal managenetic or MSQ. (Cit proping units (a.e. tripping units having type property sets for thermal, thermal managenetic or MSQ. (Cit proping units (a.e. tripping units having type property sets for thermal, thermal managenetic or MSQ. (Cit proping units (a.e. tripping units having type property sets for device and the stabilishes the release time of a tripping unit when a particular prospective current is applied. The type of tripping curve that it represented by the property set. Tripping functions are applied to electronic tripping units having type property sets for electronic tripping. The tripping units having type property sets for electronic tripping. The tripping units having type property sets for electronic tripping. The tripping units having type property sets for electronic tripping. The tripping units having type property sets for electronic tripping. The tripping units having type property sets for electronic tripping. The tripping units having type property sets for electronic tripping. The tripping units having type property set for electronic tripping units having type property sets for electronic tripping units having the application of office the subject of the current offic										
Role Listage Short Time Current Set Value Short Time Current Short Time Current Short Time Current Short Time Tripping Time Tripping Curve Tripping Curve Tripping Curve Tripping Curve Tripping Curve Tripping Curve Tripping Curve Tripping Curve Tripping Curve Tripping Curve Tripping Curve Tripping Curve Tripping Curve Tolerance 2 Current Tolerance 2 Current Tolerance Idea Is Current Tolerance Idea Is Current Tolerance Idea Is Time Tolerance Positive Only Nominal Current Adjusted Selesse Current Release Current Release Current Release Current Cl Start Release Time Release Time 12 End Release Current Cl Start Time Tolerance Current Tolerance	Number Number Logical Logical Logical Number	Seconds Amps Percentage Percentage Seconds Amps Amps Amps Amps Seconds Seconds Seconds Seconds Seconds Percentage Percentage Percentage Percentage Percentage	True or false 1,3 True or False	Short times current set value. The set value of the long time tripping current if adjustable. A flag indicating that the short time function of the device is used. A flag indicating that the 3 bits of time function of the device is used. A flag indicating that the 23 bits of time function of the device is used. Short time stripping times a separate to the sound of the sound of the sound of the sound of the 3 bits of the 4 bits o										
Role Lusge Short Time Current Set Value Short Time Current Short Time Current Short Time Shuretion Tripping Curve Tripping Curve Tripping Curve Type Gurrent Current Tolerance Shuretion Current Tolerance Shuretion Shuretin Shuretion Shuretin Shuretion Shuretin S	Number Number Logical Logical Logical Number	Seconds Amps Percentage Percentage Seconds Amps Amps Amps Seconds Seconds Seconds Seconds Seconds Percentage Percentage Percentage Percentage	True or false 1,3 True or False	Short time current set value. The set value of the long time tropping current if adjustable. A flag indicating that the short time function of the device is used. A flag indicating that the short time function of the device is used. Chart more tripping time. The set value of the other time tropping time if adjustable. Chart more tripping time. The set value of the other time tripping time if adjustable. Chart more tripping time. The set value of the other time tripping time if adjustable. A current that explain time is the set of the set										
Role Listage Short Time Current Set Value Short Time Current Short Time Current Short Time Current Short Time Tripping Time Tripping Curve Tripping Curve Tripping Curve Tripping Curve Tripping Curve Tripping Curve Tripping Curve Tripping Curve Tripping Curve Tripping Curve Tripping Curve Tripping Curve Tripping Curve Tolerance 2 Current Tolerance 2 Current Tolerance Idea Is Current Tolerance Idea Is Current Tolerance Idea Is Time Tolerance Positive Only Nominal Current Adjusted Selesse Current Release Current Release Current Release Current Cl Start Release Time Release Time 12 End Release Current Cl Start Time Tolerance Current Tolerance	Number Number Logical Logical Logical Number	Seconds Amps Percentage Percentage Seconds Amps Amps Amps Amps Seconds Seconds Seconds Seconds Seconds Percentage Percentage Percentage Percentage Percentage	True or false 1,3 True or False	Short times current set value. The set value of the long time tripping current if adjustable. A flag indicating that the short time function of the device is used. A flag indicating that the 3 bits of time function of the device is used. A flag indicating that the 23 bits of time function of the device is used. Short time stripping times a separate to the sound of the sound of the sound of the sound of the 3 bits of the 4 bits o										
Role Lusge Short Time Gunction Short Time Gunction Short Time Gunction Short Time Short Common	Number Number Logical Logical Logical Number	Seconds Amps Percentage Percentage Seconds Amps Amps Amps Seconds Seconds Seconds Seconds Seconds Percentage Percentage Percentage Percentage	True or false 1,3 True or False	Short time current set value. The set value of the long time tripping current if adjustable. A flag indicating that the short time function of the device is used. A flag indicating that the 23 host time function of the device is used. Short time current that the 23 host time function of the device is used. Short time tripping time. The set value of the short time tripping time? Adjustable. Short time tripping time. The set value of the short time tripping time? Adjustable. Short time tripping time. The set value of the short time tripping time? Adjustable. Active that establishes the release time of a tripping unit time tripping time? Adjustable. The type of tripping current that is represented by the property set. The type of tripping current that is represented by the property set. The type of tripping current that is represented by the property set. The type of tripping current that is represented by the property set. The type of tripping current that is represented by the property set. The type of tripping current that is represented by the property set. The type of tripping current that is represented by the property set. The type of tripping current that is represented by the property set. The type of tripping current that is represented by the property set. The type of tripping current that is represented by the property set. The type of tripping current that is represented by the property set. The type of tripping current that is represented by the property set. The type of tripping current that is represented by the property set. The type of the current of time/current curve in [16]. The tolerance for the current of time/current curve in [16]. The tolerance for the current of time/current curve is provided as a positive tolerance only or not. If not, the value is provided as a positive tolerance only or not. If not, the value is provided as a positive tolerance only or not. If not, the value is provided as a positive tolerance only or not. If not, the value is provided as a posit										
Role Lusge Short Time Current Set Value Short Time Current Short Time Current Short Time Shuretion Tripping Curve Tripping Curve Tripping Curve Type Gurrent Current Tolerance Shuretion Current Tolerance Shuretion Shuretin Shuretion Shuretin Shuretion Shuretin S	Number Number Logical Logical Logical Number	Seconds Amps Percentage Percentage Seconds Amps Amps Amps Seconds Seconds Seconds Seconds Seconds Percentage Percentage Percentage Percentage	True or False	Short times current set value. The set value of the long time tripping current if adjustable. A flag indicating that the short time function of the device is used. A flag indicating that the 3 hort time function of the device is used. A flag indicating that the 23 hort time function of the device is used. Short times (a flag indicating that the 23 hort time function of the device is used. Short times (a flag indicating that the 23 hort time function of the device is used. Short times (a flag indicating that the 34 hort tim										
Role Lusge Short Time Gunction Short Time Gunction Short Time Gunction Short Time Short Comment Short Times Short Comment Short Times Short Comment Tripping Curve Tripping Curve Tripping Curve Tripping Curve Curvent Tolerance 2 Curvent Tolerance 2 Curvent Tolerance 2 Curvent Tolerance Short Comment Solvent Comment	Number Number Logical Logical Logical Number	Seconds Amps Percentage Percentage Seconds Amps Amps Amps Seconds Seconds Seconds Seconds Seconds Percentage Percentage Percentage Percentage	True or false	Short times current set value. The set value of the long time tripping current if adjustable. A flag indicating that the short time function of the device is used. A flag indicating that the 23 host time function of the device is used. A flag indicating that the 23 host time function of the device is used. Short time tripping time. The set value of the short time tripping time? adjustable. They great the property of the set of the short time tripping time? adjustable. They great in the property of the set of the short time tripping defined). They are not applied to describe the short time tripping defined). They are not applied to describe the short time tripping defined. They are not applied to describe the short time tripping defined. The tipe of tripping current that is represented by the property set. A curre that establishes the release time of a tripping unit is, is, a tripping units having type property sets for describing the state of the short time tripping units. The tipe of tripping current that is represented by the property sets for describing the state of the short time tripping units. The tipe of tripping current that is represented by the property sets. The short time tripping units. The tipe of tripping current that is represented by the property sets for describing units. The tipe of tripping current that is represented by the property sets for describing units. The tipe of the short time the short time tripping units. It is reprise units to the short time tripping defined. They are not applied to thermal, thermal magnetic or RCD tripping units. The total control of the current of time/current curve in [5], and they are applied to the current of time/current curve in [5] valid for time above Current Toleresence International tripping units. The tolerance for the current of time/current curve in [5] valid for time above Current Toleresence current time of the short time time tripping units to the short time provided as a positive tolerenance only or not. If not, the value is prove										
Role Lusge Short Time Gunction Short Time Gunction Short Time Gunction Short Time Short Comment Short Times Short Comment Short Times Short Comment Tripping Curve Tripping Curve Tripping Curve Type G Curve Curvent Tolerance 2 Current Tolerance 2 Current Tolerance 2 Current Tolerance 2 Current Tolerance Short Short Comment	Number Number Logical Logical Logical Logical Number Number	Seconds Amps Percentage Percentage Seconds Amps Amps Amps Seconds Seconds Seconds Seconds Seconds Percentage Percentage Percentage Percentage	True or false True or False	Short times current set value. The set value of the long time tripping current if adjustable. A flag indicating that the short time function of the device is used. A flag indicating that the 3-bit time function of the device is used. A flag indicating that the 2-bit or time function of the device is used. An indicating that the 2-bit or time function of the device is used. Short time utripping time. The set value of the short time tripping time if adjustable. The ripping curves are papiled to thermal, florent imagenize or MAS, ECD tripping units [a. tripping units having type property sets for device and the set of the set o										

	1	r														
Is Time Tolerance Positive Only	Logical		True or False	Indication whether the value of TimeTolerance1 is provided as a positive tolereance only or not. If not, the value is proved as a pluss/minus tolerance.												
Max Adjustment X I C S	Number	Amps		Provides the maximum setting value for the available current adjustment in relation to the												
				lcs breaking capacity of the protection device of which the actual tripping unit is a part of.												
Nominal Current Adjusted	Logical		True or False	An indication if the tripping currents of the short time protection is related to the nominal current multiplied with the actual												
				setting of the current adjustment, if any, of the long time protection part of the protective device, or not.												
Release Current	Number	Amps		The release current in [x In] for the initial tripping of the S-function.									-			
Release Time	Number			The release time in (s) for the initial tripping of the relevant part.												
Time Tolerance1		Percentage		The tolerance for the time of time/current-curve in [%].												
Time Tolerance2	Number	Percentage		The tolerance for the time of the time/current-curve in [%] valid for currents above TimeToleranceLimit1.												
Time Tolerance Limit1	Number	Amps		The current limit in [x In] limiting the application of TimeTolerance1, if any. If the value is set to 0, the value of the												
L Curve	_			TimeTolerance1 is valid for the whole time/current-curve.												
L Cui Fu				Tripping functions are applied to electronic tripping units (i.e. tripping units having type property sets for electronic tripping defined). They are not applied to thermal, thermal magnetic or RCD tripping units.												
				This property set represent the long time protection (L-curve) of an electronic protection device												
Is Selectable	Logical		True or False	Indication whether the L-function can be switched off or not.												
Lower Current1	Number	Amps		The current in [x In], indicating that for currents smaller than LowerCurrent1 the I2t part of the L-function will not trip the current,												
Lower Current2	Number	Amps		The current in [x In], indicating the upper current limit of the lower time/current curve of the I2t part of the L-function.												
Lower Time1	Number	Seconds		The time in [s], indicating that tripping times of the lower time/current curve lower than LowerTime1 is determined by the												
				I2t part of the L-function.												
Lower Time2 Upper Current1	Number Number	Seconds Amps		The time in [s], indicating the tripping times of the upper time/current curve at the LowerCurrent2. The current in [x in], indicating that for currents larger than UpperCurrent1 the I2t part of the L-function will trip the												
Opper Currents	Nullibei	Amps		current												
Upper Current2	Number	Amps		The current in [x In], indicating the upper current limit of the upper time/current curve of the I2t part of the L-function.												
Upper Time1	Number	Seconds		The time in [s], indicating that tripping times of the upper time/current curve lower than UpperTime1 is determined by the 12t part of the L-function.						1				1		
Upper Time2	Number	Seconds	1	Izt part of the L-function. The time in [s], indicating the tripping times of the upper time/current curve at the UpperCurrent2.						-						
S Curve	- rumoci	Jaconds .		Tripping functions are applied to electronic tripping units (i.e. tripping units having type property sets for electronic tripping												
				defined). They are not applied to thermal, thermal magnetic or RCD tripping units.												
To and the same of				This property set represent the short time protection (S-curve) of an electronic protection device.												
Current Tolerance1	Number	Percentage	+ + +	The tolerance for the current of time/current-curve in (%). The tolerance for the current of time/current-curve in (%) valid for times above CurrentTolereanceLimit1.						-						
Current Tolerance 2 Current Tolerance Limit1	Number Number	Percentage Seconds	+ + + +	The tolerance for the current of time/current-curve in [%] valid for times above Current FoleranceLimit1. The time limit in [s] limiting the application of CurrentTolerance1, if any, If the value is set to 0, the value of the							1		 	1	_	
		Seconds	<u> </u>	CurrentTolerance1 is valid for the whole time/current-curve.	<u></u>	<u></u>				<u> </u>	<u> </u>			I		
Is Current Tolerance Positive Only	Logical		True or False	Indication whether the value of CurrentTolerance1 is provided as a positive tolereance only or not. If not, the value is												
			+	proved as a pluss/minus tolerance.												
Is Off When Lfunction On	Logical	l —	True or False True or False	Indication whether the S-function is automatically switched off when the I-function is switched on. Indication whether the S-function can be switched off or not.						l —	1		+	1		
Is Selectable Is Time Tolerance Positive Only	Logical Logical		True or False True or False	Indication whether the 3-function can be switched off or not. Indication whether the value of TimeTolerance1 is provided as a positive tolereance only or not. If not, the value is proved												\vdash
				as a pluss/minus tolerance.												
Nominal Current Adjusted	Logical		True or False	An indication if the tripping currents of the short time protection is related to the nominal current multiplied with the actual						1	1					
				setting of the current adjustment, if any, of the long time protection part of the protective device, or not.						1				1		
Release Current	Number	Amps	+ + + + + + + + + + + + + + + + + + + +	The release current in [x In] for the initial tripping of the S-function.						l —	1		+	1		
Release Current 12t End	Number	Amps	 	The release current in [x in] for the initial tripping of the S-function. The release current in [x in] for the end point of the I2t tripping curve of the S-function, if any. The value of												
				ReleaseCurrenti2tEnd shall be larger than ReleaseCurrenti2tStart.												
Release Current I2t Start	Number	Amps		The release current in [x In] for the start point of the I2t tripping curve of the S-function, if any.												
Release Time	Number	Seconds		The release time in [s] for the initial tripping of the relevant part. This time indicates that for current lower than the indicated release current, the tripping time will be longer than the indicated release time. The value is given as a mean						1				1		
				indicated release current, the tripping time will be longer than the indicated release time. The value is given as a mean value.						1				1		
Release Time I2t End	Number	Seconds		The release time in [s] for the end point of the I2 tripping curve of the S-function, if any. The value of ReleaseTimeI2tEnd												
				shall be lower than ReleaseTimel2tStart.												
Release Time I2t Start	Number	Seconds	+	The release time in [s] for the start point of the I2t tripping curve of the S-function, if any												
Time Tolerance1 Time Tolerance2	Number Number			The tolerance for the time of time/current-curve in [%]. The tolerance for the time of the time/current-curve in [%] valid for currents above TimeToleranceLimit1.						-						
Time Tolerance2 Time Tolerance Limit1	Number	Percentage Amps	1 1	The current limit in [x In] limiting the application of TimeTolerance1, if any. If the value is set to 0, the value of the											_	
		. mps	<u> </u>	TimeTolerance1 is valid for the whole time/current-curve.												
Current Adjustment Values				A set of current adjustment values that may be applied to an electronic or thermal tripping unit type.												
Adjustment Designation	Text	A	+	The designation on the device for the adjustment.						ļ	-					
Adjustment Range	Number	Amps		Upper and lower current adjustment limits for an AdjustmentValueType = RANGE. Note that this property should not have a value for an AdjustmentValueType = LIST.						1	1			1		
Adjustment Range Step Value	Number	Amps		Step value of current adjustment for an AdjustmentValueType = RANGE. Note that this property should not have a value for												
				an AdjustmentValueType = LIST.												
Adjustment Values	Number	Amps	+	A list of current adjustment values that may be applied to a tripping unit for an AdjustmentValueType = LIST.												
Adjustment Value Type	Text			The type of adjustment value that is applied through the property set. This determines the properties that should be asserted.						1	1			1		
Time Adjustment Values				A set of time adjustment values that may be applied to an electronic or thermal tripping unit type.												
Adjustment Designation	Text			The desgnation on the device for the adjustment.												
Adjustment Range	Number			Upper and lower time adjustment limits for an AdjustmentValueType = RANGE												
Adjustment Range Step Value	Number	Seconds	+	Step value of time adjustment for an AdjustmentValueType = RANGE												
Adjustment Values Adjustment Value Type	Number Text	Seconds	+ + +	A list of time adjustment values that may be applied to a tripping unit for an AdjustmentValueType = LIST. The type of adjustment value that is applied through the property set							1		 	1		
Current For Time Delay	Number	Amps		The tripping current in [x In] at which the time delay is specified										1		
12 T Applicability	Logical			The applicability of the time adjustment related to the tripping function.												
Electro Magnetic Type				Information on tripping units that are electrically or magnetically tripped.												
Curve Designation	Text	B	+	The designation of the trippingcurve given by the manufacturer												
Defined Temperature	Number	Degrees F/C		The ambient temperature at which the thermal current/time-curve associated with this protection device is defined.						1				1		
Electro Magnetic Tripping Unit Type	Text		Overload, none special, short	A list of the available types of electric magnetic tripping unit from which that required may be selected.												
			circuit, motor protection and							1				1		
			bi-metal tripping							1				1		
11	Number	A	+	The fithermal leaves testing account limit is furth indicating the first testing the first testing account limit is further and the first testing account limit in further and the first testing account limit is further as						 	-		-			$\vdash \vdash \vdash$
12	number	Amps		The (thermal) lower testing current limit in [x In], indicating that for currents lower than I1, the tripping time shall be longer than the associated tripping time, T2.						1	1			1		
12	Number	Amps		The (thermal) upper testing current limit in [x In], indicating that for currents larger than I2, the tripping time shall be										1		
				shorter than the associated tripping time. T2												
14	Number	Amps		The lower electromagnetic testing current limit in [x in], indicating that for currents lower than I4, the tripping time shall be				 \neg	_				T	1 -		
IS	Number	Amps	+ + +	longer than the associated tripping time, TS, i.e. the device shall not trip instantaneous. The upper electromagnetic testing current limit in [x in], indicating that for currents larger than IS, the tripping time shall be						-						
T	Halliber	Amps		shorter than or equal to the associated tripping time, TS, i.e. the device shall trip instantaneous.						1	1			1		
T2	Number	Seconds	+	The (thermal) testing time in [s] associated with the testing currents I1 and I2.												
T5	Number	Seconds		The electromagnetic testing time in [s] associated with the testing currents I4 and I5, i.e. electromagnetic tripping time						1				1		
Temperature Factor	Text		+ + + + + + + + + + + + + + + + + + + +	The correction factor (typically measured as %/deg K) for adjusting the thermal current/time to an ambient temperature												
personal e raccor	·eat			different from the value given by the defined temperature.						1	1			1		1
Electronic Type				Information on tripping units that are electronically tripped.												
Electronic Tripping Unit Type	Text			A list of the available types of electronic tripping unit from which that required may be selected.												
N_Protection N Protection 100	Logical	l	True or False True or False	An indication whether the electronic tripping unit has separate protection for the N conductor, or not.						 	-		-			
N_Frotection_100	Logical		True or False	An indication whether the electronic tripping unit is tripping if the current in the N conductor is more than 100% of that of the phase conductors.						1	1			1		1
N Protection 50	Logical		True or False	An indication whether the electronic tripping unit is tripping if the current in the N conductor is more than 50% of that of												
				the phase conductors.												
N_ Protection_ Select	Logical		True or False	An indication whether the use of the N_Protection can be selected by the user or not.												

Nonin	minal Currents	Number		1		A set of values providing information on available modules (chips) for setting the nominal current of the protective device.						- 1			г	
	illiai Curreits	Nullibei				A set of values providing information on available modules (chips) for setting the normal current of the protective device.									1	
Residual 9	Il Current					Information on tripping units that are activated by residual current.										
	ping Unit Release Current	Number	mA			The value of tripping or residual current for which the device has the possibility to be equipped. The values are given in mA.							-			
															\longrightarrow	
Thermal 1	l Type					Information on tripping units that are thermally tripped.									\leftarrow	
Curve	ve Designation	Text				The designation of the trippingcurve given by the manufacturer. For a MCB the designation should be in accordance with the designations given in IEC 60898.									1	
Defin	ined Temperature	Number	Degrees C			the designations given in IEC 60898. The ambient temperature at which the thermal current/time-curve associated with this protection device is defined.							+	_	-	
															1	
11		Number	Amps			The (thermal) lower testing current limit in [x In], indicating that for currents lower than I1, the tripping time shall be longer										
						than the associated tripping time, T2.			 							
12		Number	Amps			The (thermal) upper testing current limit in [x ln], indicating that for currents larger than I2, the tripping time shall be shorter than the associated tripping time, T2.									1	
T2		Number	Seconds			The (thermal) testing time in [s] associated with the testing currents I1 and I2.					+		$\overline{}$	-	+	
Temp	nperature Factor	Text	Seconds			The correction factor (typically measured as %/deg K) for adjusting the thermal current/time to an ambient temperature								-		
	*					different from the value given by the defined temperature.										
Thern	rmal Tripping Unit Type	Text				A list of the available types of thermal tripping unit from which that required may be selected.										
Circuit Br	Breaker Type					A coherent set of attributes representing different capacities of a circuit breaker or of a motor protection device, defined in									í l	
LIC MG	M60947	Number	Amps			accordance with IEC 60947. The making capacity in [A] for a circuit breaker or motor protection device tested in accordance with the IEC 60947 series.							-	-	\leftarrow	
I C MC	VI60947	Number	Amps			The making capacity in [A] for a circuit breaker or motor protection device tested in accordance with the IEC 60947 series.									1	
1 C S6	60947	Number	Amps			The service breaking capacity in [A] for a circuit breaker or motor protection device tested in accordance with the IEC 60947							-			
						series.										
I C U6	J60947	Number	Amps			The ultimate breaking capacity in [A] for a circuit breaker or motor protection device tested in accordance with the IEC									1	
1000	W60947	Number	Amps			60947 series. The thermal withstand current in [A] for a circuit breaker or motor protection device tested in accordance with the IEC				_	-		\longrightarrow		\longrightarrow	
I C We	W60947	Number	Amps			60947 series. The value shall be related to 1 s.									1	
Perfo	formance Classes	Text			B, C, N, S, H, L, V	A set of designations of performance classes for the breaker unit for which the data of this instance is valid.							$\overline{}$		i i	
	tage Level	Number	Volts			The voltage levels for which the data of the instance is valid. More than one value may be selected in the enumeration.										
	-													\perp	-	
Ground Fa						An earth failure device acts to protect people and equipment from the effects of current leakage.								-		
	th Failure Device Type	Text	4	-		A list of the available types of circuit breaker from which that required may be selected.				 	+			\vdash	\longrightarrow	
Sensit	sitivity	Number	Amps (RMS)			The rated rms value of the vector sum of the instantaneous currents flowing in the main circuits of the device which causes the device to operate under specified conditions.							I		1	
Fuse Disc	sconnect Type					A coherent set of attributes representing the breakeing capacity of a fuse, defined in accordance with IEC 60269.										
Fuse I	e Disconnector Type	Text			EngineProtectionDevice,	A list of the available types of fuse disconnector from which that required may be selected										
					FuseSwitchDisconnector, HRC,								ļ		1	
					OverloadProtectionDevice,										1	
				1	OverloadProtectionDevice, SemiconductorFuse,		1								1	
				1	SwitchDisconnectorFuse		1		1				ļ		ı J	
I C602		Number	Amps			The breaking capacity in [A] for fuses in accordance with the IEC 60269 series.										
Power	ver Loss	Number	Watts			The power loss in [W] of the fuse when the nominal current is flowing through the fuse.										
Voltag	tage Level	Number	Volts			The voltage levels for which the data of the instance is valid. More than one value may be selected in the enumeration.									1	
Current C	Circuit Breaker					A residual current circuit breaker opens, closes or isolates a circuit and has short circuit and overload protection.								$\overline{}$		
															í 1/	
Sensit	sitivity	Number	Amps			Current leakage to an unwanted leading path during normal operation (IEC 151-14-49).									i I	
Current S	Switch					A residual current switch opens, closes or isolates a circuit and has no short circuit or overload protection.										
Sensit		Number	Amps			Current leakage to an unwanted leading path during normal operation (IEC 151-14-49).									\longrightarrow	
Variable F						A high voltage surge protection device.									-	
Varist	istor Type	Text				A list of the available types of varistor from which that required may be selected. A distribution board is a flow controller in which instances of electrical devices are brought together at a single place for	W. Flank J. Black Jan Jan Barrat								\vdash	
Distribution	1 Board					A distribution board is a now controller in which instances of electrical devices are drought together at a single place for a particular purpose.	IncelectriculstributionBoard								i b	
Main or S	Sub Main	Logical			True or False	Identifies if the current instance is a main distribution point or topmost level in an electrical distribution hierarchy										
Requires 0	s Qualifies Operator	Logical			True or False	Identifies if the current instance requires a skilled person or instructed person to perform operations on the distribution									1	
Electrical App	-alianea					Doard Common proposition for electric conditioners	McClastric Appliance					_	$\overline{}$	-		
Electrical App Power Sta	itatus	Logical			True or False	Common properties for electric appliances Indicates the power state of the device where True is on and False is off.	IfcElectricAppliance				1		$\overline{}$	_	-	
Electric Moto						Defines a particular type of machine for converting mechanical energy into electrical energy.	IfcElectricMotor									
Motor Typ	Type	Text				The property enumeration defines the types of motor that may be specified within the property set.										
Electric M	Motor Efficiency	Number	Ratio			The ratio of output capacity to intake capacity.										
Frame Size	itze				B, C, D	Designation of the frame size according to the named range of frame sizes									\vdash	
Has Part V		Text			-1-1-											
	Winding	Text Logical			True or False	Indication of whether the motor is single speed, i.e. has a single winding										
Is Guarde	ied	Text Logical Logical	Amos		True or False True or False	Indication of whether the motor enclosure is guarded									Щ	
Is Guarde Locked Ro Maximum	ded Rotor Current im Power Output	Text Logical Logical Number	Amps KW		True or False True or False	Indication of whether the motor enclosure is guarded Input current when a motor armature is energized but not rotating.										
Is Guarde Locked Ro Maximum	ded Rotor Current im Power Output	Text Logical Logical	Amps KW		True or False True or False	Indication of whether the motor enclosure is guarded										
Is Guarde Locked Ro Maximum Motor En	ded Rotor Current III Processor Current III Processor Current III Processor III Proces	Text Logical Logical Number Number Text Number	KW		True or False True or False	Indication of whether the motor enclosure is guarded Indication of whether the motor enclosure is guarded Input current when motor armature is energized but not rotating. The maximum output power rating of the engine. A list of the available types of motor enclosure from which that required may be selected. Sunfurcerrentation of multiplied to Nominicurrent and to give the start current.										
Is Guarde Locked Ro Maximum Motor En	ded Rotor Current III Processor Current III Processor Current III Processor III Proces	Text Logical Logical Number Number Text	Amps KW Seconds		True or False True or False	Indication of whether the motor enclosure is guarded in injust current when a motor armsture is energized but not rotating. The maximum output power rating of the engine. All soft the available types of motor enclosure from which that required may be selected. Start CurrentTactor is multiplied to NominalCurrent and to give the start current. The time (in sin ended for the motor to reach its rated speed with its driven equipment attached, starting from standstill the lime (in sinceled for the motor to reach its rated speed with its driven equipment attached, starting from standstill in the control of the start or service.										
Is Guarde Locked Ro Maximum Motor En Start Curr Starting Ti	Retor Current Im Power Output Inclosure Type Irrent Factor Time	Text Logical Logical Number Number Text Number Number	KW Seconds		True or False True or False	Indication of whether the motor enclosure is guarated. In guide contractive motor amounts in energized but not rotating. The maximum original power rating of the engine. All of the enablishing youth or motor enclosure is made to the required may be selected. All of the enablishing youth or motor enclosure remains only part to ensure the selected. The time in its predeficial contractive contract										
Is Guarde Locked Ro Maximum Motor En	Retor Current Im Power Output Inclosure Type Irrent Factor Time	Text Logical Logical Number Number Text Number	KW		True or False True or False	Indication of whether the motor enclosure is guarded in injust current when a motor armsture is energized but not rotating. The maximum output power rating of the engine. All soft the available types of motor enclosure from which that required may be selected. Start CurrentTactor is multiplied to NominalCurrent and to give the start current. The time (in sin ended for the motor to reach its rated speed with its driven equipment attached, starting from standstill the lime (in sinceled for the motor to reach its rated speed with its driven equipment attached, starting from standstill in the control of the start or service.										
Is Guarde Locked Rc Maximum Motor En Start Curr Starting Ti Te Time Generator	ded Motor Current In Power Output In Power Output In Power Forting In Power Toutput In Power Forting In International International International International International International International International Int	Text Logical Logical Number Number Text Number Number Number	KW Seconds		True or False True or False	Indication of whether the motor enclosure is guarded injust current when a motor armsture is energized but not rotating. The maximum output power rating of the engine. All soft of the available types of motor enclosure from which that required may be selected. Stant-CurrentSactor is multiplied to NominaCurrent and to give the stant current. The time (in is) enceded for the motor to reach its rated speed with its driven equipment attached, starting from standstill and at the nominal voltage applied at its terminals. The maximum time is at all which the motor is used in an EX-environment. Defines a particular type of machine for converting mechanical energy into electrical energy.	HcElectricGenerator									
Is Guarde Locked R. Maximum Motor En. Start Curr Starting Ti Te Time Generator Generator	Seed Monor Current mr Power Cutput indicater lype retent factor Trees factor Trees factor fac	Text Logical Logical Number Number Text Number Number Number	Seconds Seconds		True or False True or False	Indication of whether the motor enclosure is guarded to junct current when motor armature is empired but not rotating. The maintum output power rating of the engine. As let of the available types of motor enclosure from which that required may be selected. Start CurrentStarter is multiplied to MoninaGurrent and to give the start current. StartCurrentStarter is multiplied to MoninaGurrent and to give the start current. The time (in a) needed for the motor to reach its rated speed with its driven equipment attached, starting from standstill the time (in a) selected for the motor to reach its rated speed with its driven equipment attached, starting from standstill The maximum time (in s) at which the motor could run with locked rotor when the motor is used in an EX-environment. Defines a particular type of machine for converting mechanical energy into electrical energy. The property enumeration defines the types of generator that muy be scerelled within the grouperty set.	HcElectricGenerator									
Is Guarde Locked R. Maximum Motor En Start Curn Starting Ti Te Time Generator Generator Electric Gi	led blokor Current	Text Logical Logical Number Number Text Number Number Number Number Number	Seconds Seconds Ratio		True or False True or False	Indication of whether the motor enclosure is guarded in pipe turner when a motor arrature is energized but not rotating. The maximum output power rating of the engine. All soft the available types of motor enclosure from which that required may be selected. Start.CurrentSactor is multiplied to NominalCurrent and to give the start current. The time (in gin-eeded for the motor to reach it and to give the start current. The time (in gin-eeded for the motor to reach it and especially engineer attached, starting from standstill and at the nominal voltage applied at its terminals. The maximum time in gis 1st which the motor could run with locked rotor when the motor is used in an EX-environment. Defines a particular type of machine for converting mechanical energy into electrical energy. The property enumeration defines the types of generator that may be specified within the property set. The rast of output property to intake repair.	licElectricGenerator									
Is Guarde Locked Rc Maximum Motor En Start Curr Starting Ti Te Time Generator Generator Electric G Maximum	led Most Current In Power Output Information Informati	Text Logical Logical Number Number Text Number Number Number Number	Seconds Seconds		True or False True or False	Indication of whether the motor enclosure is guarded in junct current when motor armature is energized but not rotating. The maximum output power rating of the engine. As set of the available types of motor enclosure from which that required may be selected. Sant-CurrentSactor is multipled to NominaCurrent and to give the start current. The time (in a leveled of the motor to reach its rated speed with its driven requirement attached, starting from standstill and at the nominal evoltage applied at its terminals. The maximum line (in a jut which the motor could run with locked rotor when the motor is used in an EX environment. Defines a particular type of maximum for converting mechanical energy into electrical energy. The rotation of output capacity in online capacity. The ratio of output capacity in outside capacity. The assuman unique power rating of the engine.	fcElectricGenerator									
Is Guarde Locked Rc Maximum Motor En. Start Curr Starting Ti Te Time Generator Generator Electric Gi Maximum Start Curr	Ided Bottor Current Im Power Output Indianate Type Interest Type Interest Type Identification Interest Type Generator Efficiency Im Power Output Interest Eator	Text Logical Logical Number Number Text Number Number Number Number Number	Seconds Seconds Ratio		True or False True or False ODP, TEFC, TENV	Indication of whether the motor enclosure is guarded in junct current when motor armsture is energized but not rotating. The maximum original power rating of the engine. All of the enables by your formation enclosure in the properties of the properties of the engine of the engine of the engine. All of the enables by your formation engine correct and to pake the start current. The time in a needed for the motor to reach its a read speed with its driven equipment attached, starting from standards and at the normal voltage applied at its erminals. The maximum time (in s) at which the motor could run with locked rotor when the motor is used in an Exemironment. Defines a particular type of machine for converting wecknical energy into electrical energy. The property enumeration defines the types of generator that may be specified within the property set. The maximum original power rating of the energie.										
Is Guarde Locked R. Maximum Motor En Start Curr Starting Ti Te Time Generator Generator Starting Start	led bloom current who was a construction of the construction of th	Text Logical Logical Number Number Text Number Number Number Number	Seconds Seconds Ratio		True or False True or False ODP, TEFC, TENV	Indication of whether the motor enclosure is guarded in progression of whether the motor enclosure is guarded in progression and output progression and/or amburate is energized but not rotating. The maximum output power rating of the engine. As tot the available types of motor enclosure from which that required may be selected. Sant/CurrentSactor is multipled to NominaCurrent and to give the start current. The time (in a leveled of the motor to reach its rated speed with its driven requirement attached, starting from standstill and at the nominal evoltage applied at its terminals. The maximum time (in a) at which the motor could run with bocked rotor when the motor is used in an EX-environment. Defines a particular type of maximum from condition with bocked rotor when the motor is used in an EX-environment. The rotation of a particular type of maximum from condition and in the condition of the progression of the progression of the condition of the progression of the	IfcElectricGenerator IfcLinctionBox									
Is Guarde Locked Rc Maximum Motor En. Start Curr Starting Ti Te Time Generator Generator Electric Gi Maximum Start Curr	led Monor Current Monor Curren	Text Logical Logical Number Number Text Number Number Number Number Number Text Number Number Text Number	Seconds Seconds Ratio		True or False True or False ODP, TEFC, TENV	Indication of whether the motor enclosure is guarded in junct current when motor armsture is energized but not rotating. The maximum original power rating of the engine. All of the enables by your formation enclosure in the properties of the properties of the engine of the engine of the engine. All of the enables by your formation engine correct and to pake the start current. The time in a needed for the motor to reach its a read speed with its driven equipment attached, starting from standards and at the normal voltage applied at its erminals. The maximum time (in s) at which the motor could run with locked rotor when the motor is used in an Exemironment. Defines a particular type of machine for converting wecknical energy into electrical energy. The property enumeration defines the types of generator that may be specified within the property set. The maximum original power rating of the energie.										
Is Guarde Locked Rc Maximum Motor En. Start Curr Starting T Te Time Generator Generator Generator Locked Rc Junction Bo Juncti	led blook of current bl	Text Logical Logical Logical Number Number Text Number Number Number Number Text Number Number Text Number Number Number Number Number	Seconds Seconds Ratio KW		True or False True or False ODP, TEFC, TENV	Indication of whether the motor enclosure is guarded in junct current when motor armsture is energized but not rotating. The maximum original power rating of the engine. All of the evaluable yout of motor enclosure is engined but not rotating. All of the evaluable yout of motor enclosure is made to just the state current. The time in junctice of the motor to reach its a set speed with its driven equipment attached, starting from standstill and at the normal voltage applied at its errormals. The maximum time (in s) at which the motor could run with locked rotor when the motor is used in an Exeminant. The maximum time (in s) at which the motor could run with locked rotor when the motor is used in an Exeminant in the property and in the control of the starting from the starting from the property set. The maximum time (in s) at which the motor could run with locked rotor when the motor is used in an Exeminant in the property set is a starting of the region. The property enumeration defines the types of generator that may be specified within the property set. The maximum display gover rating of the engine. Startification is multipled to hominant current and we get the start current. Contains calles, outlets, and/or switches for electrical power. The property enumeration defines the year of junction to knot thir may be specified within the property set.										
Is Guarde Locked Re Maceman Motor En Start Curr Starting Ti Te Time Generator Generator Hadinum Start Curr Junction Box Junction E Clear Dep IP Code S Extern	led blokor Current In Power Output Inchosor Crype Inch	Text Logical Logical Number Logical Number Text Number Number Number Text Number Text Number Text Number Text Number Text Number Text Number Logical	Seconds Seconds Ratio KW		True or False True or False ODP, TEFC, TENV True or False	Indication of whether the motor enclosure is guarded in pinct current when amotor amsture is energized but not rotating. The maximum output power rating of the engine. As tot the available pass of motor enclosure from which that required may be selected. Stant-CurrentSactor is multiplied to NominalCurrent and to give the stant current. The time (in a preceded of the motor to reach its rated speed with its driven equipment attached, starting from standstill and at the nominal votage applied at its terrinois. The maximum time (is a) at which the endous could run with locked rotor when the motor is used in an EX-environment. Defines a particular type of machine for converting mechanical energy into electrical energy. The property enumeration defense the types of generator that may be specified within the property set. The ration of surjout capacity to intake capacity. The maximum output power rating of the regime. Stant-CurrentSactor is multiplied to NominalCurrent and we get the start current. Contains cables, country, and of switched for electrical power. The property enumeration defense the types of junction to know that may be specified within the property set. The property enumeration defense the types of junction box that may be specified within the property set. Ecosory (1989) Classification of degrees of protection provided by enclosures (IP Code).										
Is Guarde Locked Re Massimum Motor En Start Curr Starting Ti Te Time Generator Generator Generator Generator Locked Dept. Junction is Clear Dept. Junction is Clear Dept. Jip Code Is Externa Mountine	led blook of current bl	Text Logical Logical Number Number Text Number Number Number Number Text Number Text Number Text Number Number Text Logical Text	Seconds Seconds Ratio KW		True of False True or False ODP, TEFC, TENV ODP, TEFC, TENV True of False Surface, Flush	Indication of whether the motor enclosure is guarded in junct current when motor armature is energized but not rotating. The maximum output power rating of the engine. As for the available types of motor enclosure from which that required may be selected. StartCurrentStack is multiplied to MominatCurrent and to give the start current. StartCurrentStack is multiplied to MominatCurrent and to give the start current. The maximum street is a start of the start current in its driven exquirement statched, starting from standstill and at the nominal values applied at its terminals. The maximum street in s) at which the motor could run with tocked rotor when the motor is used in an EX-environment. Defines a particular type of maximine for converting mechanical energy into electrical energy. The ratio of output capacity for instale capacity. The ratio of output capacity for instale capacity. StartCurrentStack is multiplied to MominatCurrent and we get the start current. StartCurrentStack is multiplied to MominatCurrent and we get the start current. For property remainstend enferties the type of junction has been that may be specified within the property set. For property remainstend enferties the year of junction has been that may be specified within the property set. Clear undestructed stepth washlable for cable including within the lunction box. GGGGS29 (1989) Clearation of degrees they of junction has the lunction box. GGGGS29 (1989) Clearation of degrees they of junction to how the condition of whether the junction box. byte is allowed for exposure to outdoor elements.										
Is Guarde Locked Rd. Maximum Motor End. Motor End. Start Curr Start Curr Starting Ti Generator Generator Generator Locked Rd. Maximum Start Curr Locked Rd. Maximum Start Curr Locked Rd. Maximum Munction Box Aunction End. Mounting Mounting Number N	led blokor Current Im Power Output Indicase Type Indicase Indic	Text Logical Logical Logical Logical Number Number Text Number Number Text Number Text Number Text Number Text Number Logical Text Logical Text Logical	Seconds Seconds Ratio KW		True or False True or False ODP, TEFC, TENV True or False	Indication of whether the motor enclosure is guarded in junct current when motor armsture is energized but not rotating. The maximum original power rating of the engine. The maximum original power rating of the engine. Self-controlled in a motor armsture is engined by the register of may be selected. Self-controlled in similar the self-controlled in the motor to reach its rate speed with its driven equipment attached, starting from standard at the normal voltage applied at its returnals. The maximum time (in s) at which the motor could run with locked rotor when the motor is used in an EX environment. The maximum time (in s) at which the motor could run with locked rotor when the motor is used in an EX environment. The maximum time (in s) at which the motor could run with locked rotor when the motor is used in an EX environment. The profession approaching poet matching for covering mechanical energy into electrical energy. The profession approaching the self-controlled in the property self. The ratio of study to matching the self-controlled power. The property enumeration defines the page of previous provided by unclosed to the self-controlled power. Self-controlled could be unstabled to homination crimed and we get the start current. Contains calles, outlets, and/or switches for electrical power. The property enumeration defines the spice of previous provided by unclosures (in Cooks) (Cooks)										
Is Guarde Locked Rc Maximum Motor En Start Curr Starting T Te Time Generator Generator Generator Locked Rc Maximum Start Curr Locked Dept. Locked De	led of Motor Current m Power Option Control Co	Text Logical Logical Number Number Text Number Number Number Number Number Number Text Number Number Text Number Text Number Text Number Text Number Text Logical Text Number Text Number Text	Seconds Seconds Ratio KW		True or False	Indication of whether the motor enclosure is guarded to junct current when motor amsture is empired but not rotating. The maximum output power rating of the engine. As for the available types of motor enclosure from which that required may be selected. Start CurrentStacts is multiplied to Monitadiument and to give the start current. StartCurrentStacts is multiplied to Monitadiument and to give the start current. The this line is in selected to the monitor which it raided speed with its driven equipment attached, starting from standstill in the line in the selection of the										
Is Guarde Locked Re Masimum Motor End Start Curr Starting Ti Farine Generator Generator Generator Start Curr Junction Box	led of Motor Current m Power Option Control Co	Text Logical Logical Logical Logical Number Number Text Number Number Text Number Text Number Text Number Text Number Logical Text Logical Text Logical	Seconds Seconds Ratio KW		True of False True or False ODP, TEFC, TENV ODP, TEFC, TENV True of False Surface, Flush	Indication of whether the motor enclosure is guarded in junct current when motor armsture is energized but not rotating. The maximum original power rating of the engine. The maximum original power rating of the engine. Such contracts and enclosure in the contract of the engine	HclunctionBox									
Is Guarde Locked Rc Maximum Motor En. Start Curr Starting T Te Time Generator. Generator Electric G: Maximum Start Curr Junction Box Junction 6 Clear Dep IP Code Is Externa Mounting Number C Placing Y Shape Ty Lump Lump	led of Motor Current In Power Output Inchessor Type Inchessor Type Inchessor Type Inchessor Type Inchessor Type Inchessor Type Generator Efficiency Inchessor Type Generator Efficiency Inchessor Type Inchessor Inchess	Text Logical Logical Number Number Text Number Number Number Number Number Number Text Number Number Text Number Text Number Text Number Text Number Text Logical Text Number Text Number Text	Seconds Seconds Ratio KW		True or False Sortee, Touth 12,2,6 Source, Round	Indication of whether the motor enclosure is guarded to just current when motor amburate is energized but not rotating. The maximum output power rating of the engine. As to the available types of motor enclosure from which that required may be selected. Sanct currentStacks in multiplied to knoinsafcurrent and to give the start current. Sanct currentStacks in multiplied to knoinsafcurrent and to give the start current. The maximum time (in s) at which the motor could run with locked rator when the motor is used in an EX-environment. Defines a particular type of machine for converting mechanical energy into electrical energy. The property enumeration defines the type of generator that may be specified within the property set. The ratio of output capacity to intake capacity. The maximum unitip power rating of the engine. Sanct.currentStack is multiplied to knoinsafcurrent and we get the start current. Cantalas cables, cutte, and/or switches for electrical power. The property enumeration defines the type of juraction box that may be specified within the property set. CE 00259 (1986) Casionfaction of degrees of protection provided by enclosures IPC Code). CE 00259 (1986) Casionfaction of degrees of protection provided by enclosures IPC Code). CE 00259 (1986) Casionfaction of degrees of protection provided by enclosures IPC Code). CE 00259 (1986) Casionfaction of degrees of protection provided by enclosures IPC Code). Number of 1985 available for solution known has the protein box. Number of 1985 available for solution box can be located.										
Is Guarde R Masimum Motor Ender R Start Curr Starting T Te Time Generator Generator Start Curr J Starting T R Masimum Start Curr Generator Generator Generator Start Curr Start Curr Start Curr Start Curr Masimum Start Curr J Start Curr Macimum Munting Number P Rocing Ty Shape Ty S	led Motor Current Factor Trave Motor Current Factor Motor Current Motor	Text Logical Logical Logical Number Number Text Number Number Number Number Text Number Text Number Number Number Text Number Text Number Text Number Text Text Number Text Text Text Number Text Number Text Text Number	Seconds Seconds Ratio KW		True or False Surface, Flush 12,2,4 Square, Round	Indication of whether the motor enclosure is guarded to import control when motor amburate in energized but not rotating. The maximum output power rating of the engine. As tot the available types of motor enclosure from which that required may be selected. Sanct currentstace is multiplied to foominaturent and to give the start current. Sanct currentstace is multiplied to foominaturent and to give the start current. The maximum time (in s) at which the motor could run with locked rotor when the motor is used in an EX-environment. The maximum time (in s) at which the motor could run with locked rotor when the motor is used in an EX-environment. Defines a particular type of maximum time (in s) at which the motor could run with locked rotor when the motor is used in an EX-environment. Defines a particular type of maximum time (in s) at which the motor could run with locked rotor when the motor is used in an EX-environment. The property self counties and of the self-self-self-self-self-self-self-self-	HclunctionBox									
Is Guarden Macingmun Mater for Sart Curral Maximum Jack Sart Curral Sart Curral Sart Curral Sart	led Motor Current Factor Trave Motor Current Factor Motor Current Motor	Text Logical Logical Logical Number Number Text Number Text Number Text Number Text Number Text Number Text Number Text Text Text Number	Seconds Seconds Ratio KW		True or Falte True or Falte ODP, TEFC, TENV ODP, TEFC, TENV True or Falte Surface, Paul 12,3,4 Sauare, Round	Indication of whether the motor enclosure is guarded in junct current when motor amsture is energized but not rotating. The maximum output power rating of the engine. As to drie available yeas of motor enclosure from which that required may be selected. Start Current Start in multiplied but before the control to give the start current. StartCurrent start in multiplied but before starting to give the start current. StartCurrent start in multiplied but before starting to give the start current. The maximum time (in s) at which the motor could run with locked rotor when the motor is used in an EX-environment. Defines a particular type of machine for converting mechanical energy into electrical energy. The property enumeration defines the type of amention for converting mechanical energy into electrical energy. The rotation converting the starting of the start current. The ration of output capacity by intake capacity. The maximum output power rating of the engat and use get the start current. Contains cables, outless, and/or switches for electrical power. The property enumeration defines the engat and use get the start current. Contains cables, outless, and/or switches for electrical power. The property enumeration defines the engat and use get the start current. Contains cables, outless, and/or switches for electrical power. The property enumeration defines they so injunction box but may be specified within the property set. Clear unobstructed depth available for cable inclusion within the junction box. (Excellent of whether the junction box types is allowed for respoure to outdoor elements Method of mounting box a badged for the year of junction to provided by enclosures (IP Code), indication of whether they junction box on the located. Should off the junction box. Name of slots available for each legal to the value. The property enumeration defines the year of junction box on the case. Should be a provided for the port junctin box of controlling by the control of the provided with the prop	HclunctionBox									
It is Guarden (Macinum Motor for Macinum Motor for For Macinum Motor for For Macinum Motor for For Macinum Motor for Macinum Motor for Macinum Motor for Macinum Motor for Macinum Mac	led of Most Current In Power Colbust Indicessor Type Interest Inte	Text Logical Logical Logical Number Number Text Number Number Number Number Number Number Text Number Number Number Text Number Text Number Text Logical Text Number Text Text Text Text Text Number Number Number	Seconds Seconds Ratio KW Inch/mm		True or False Surface, Flush 12,2,3,4 Square, Round	Indication of whether the motor enclosure is guarded to give current view a motor amsture is energized but not rotating. The maximum output power rating of the engine. As tot dre available yeas of motor enclosure rotary which that required may be selected. Sanct.currentscor is multipled to NominalCurrent and to give the start current. For time (in a) needed for the motor to reach its rated speed with its driven equipment attached, starting from standstill and at the nominal evaluage applied at its terminuls. The maximum lime (in a) is which the motor could run with locked rotor when the motor is used in an EX-environment. Defines a particular type of maximum for conducting an experiment of the property set. The ratio of output capacity to instale capacity. The ratio of output capacity to instale capacity. The maximum output power rating of the engine. Sanct.currentscor is multipled to NominalCurrent and we get the start current. Contains cables, output, and of several reaching the contraction of the start current. Contains cables, outst, and/or switches for detectical power. The property renumeration defines the types of junction box that may be specified within the property set. Contains cables, output, and or switches for detectical power. The property renumeration defines the syste of junction box that may be specified within the property set. (E. 60529 [1989] Classification of degrees of protection provided by enclosures IPC deal). Indication of whether the junction box by as allowed for responsive to outdoor elements Wethod of mounting to be adopted for the type of junction box. Name of Start assistant for such the founds protect on the founder. Sanct of the junction box. Always as a strictle in purction box. Lamps as a strictle in gist sources were as a sight while or tube. The property enumeration defines the types of Junction box. The Cost of standards, strictles the outbox.	HclunctionBox									
Is Guarden Macingmun Mater for Sart Curral Maximum Jack Sart Curral Sart Curral Sart Curral Sart	led of Most Current In Power Colbust Indicessor Type Interest Inte	Text Logical Logical Logical Number Number Text Number Number Number Number Number Number Text Number Number Number Text Number Text Number Text Number Text Text Number	Seconds Seconds Ratio KW		True or False Surface, Flush 12,2,4 Square, Round	Indication of whether the motor enclosure is guarded in junct current when motor amsture is empired but not rotating. The maximum output power rating of the engine. As for the available types of motor enclosure from which that required may be selected. StartCurrentStack is multiplied to Mominature from which that required may be selected. StartCurrentStack is multiplied to Mominature and to give the start current. StartCurrentStack is multiplied to Mominature and to give the start current. The maximum string in six at which the motor could run with locked rotor when the motor is used in an EX-environment. The maximum string in s) at which the motor could run with locked rotor when the motor is used in an EX-environment. Defines a particular type of machine for converting mechanical energy into electrical energy. The property enumeration defines the types of generator that may be specified within the property set. The ratio of output capacity to instale capacity. The maximum output power rating of the entryen. StartCurrentStack is multiplied to Mominaturered may be seen that the property set. StartCurrentStack is multiplied to Mominaturered may be seen to the start current. StartCurrentStack is multiplied to Mominaturered may be seen that the property set. Clear undestructed stepth washlable for cable including within the property set. Clear undestructed stepth washlable for ashle including within the property set. StartCurrentStack is multiplied to be adjusted for the project projection box type is allowed for exposure to outdoor elements. Method of mountain the set when paid pull under the projective set. Shape of the junction box. All any is an artifact light source such as a light bulb or tube. The property remneration defines the type of Junction box to the surface in home of the color speparonce. The color is whether the junction box. The project of the comment of the set they see of Junction in the time to the color speparonce. The color is whether the junction box. The color is d	HclunctionBox									
is Guarder (Marinum) in Guarde	led of Most Current In Power Colbust Indicessor Type Interest Inte	Text Logical Logical Logical Number Number Text Number Number Number Number Number Number Text Number Number Number Text Number Text Number Text Logical Text Number Text Text Text Text Text Number Number Number	Seconds Seconds Ratio KW Inch/mm CRI Kelvin		True or False Surface, Flush 12,2,3,4 Square, Round	Indication of whether the motor enclosure is guarded. In maximum original power rating of the engine. An other developing your original power rating of the engine. An other developing your original power rating of the engine. An other developing your original power rating of the engine. An other developing your original power rating of the engine. The time in a needed for the motor to reach its rates speed with its driven equipment attached, starting from standstill and at the normal voltage applied at its reminals. The maximum time (in s) at which the motor could run with locked rotor when the motor is used in an Exercisonment. Defines a particular type of machine for converting mechanical energy into electrical energy. The property enumeration defines the type of generator that may be specified within the property set. The maximum strong (in s) at which the motor could run with locked rotor when the motor is used in an Exercisonment. Defines a particular type of machine for converting mechanical energy into electrical energy. The property enumeration defines the type of generator that may be specified within the property set. The maximum storping power rating of the engine. Surface rating and multiple of to homistic approach. The property enumeration defines the year of purction to box but may be specified within the property set. Contains calles, outlets, and/or switches for electrical power. The property enumeration defines they sof junction to box but may be specified within the property set. Clear unobstructed depth available for cable inclusion within the junction hox. (in 60005) 1980) Consistance of depress of protection provided by enclosures (IP Code). Indication of whether the junction box byes is allowed for response to outdoor elements Method or incuming by the adaptice for the type of junction to box does not be subjected. A may is an artificial light sources such as a light bulb or tube. The property enumeration defines they per of junction to box does of the purction box o	HclunctionBox									
is Guarden in Guarden Materian Ma	led of Motor Current me News Coldust Anchouse Type (Motor Current News Coldust Anchouse Type (Motor Current Factor Time) Time (Motor Current News Coldust News	Text Logical Logical Logical Logical Number Text Number Text Number Number Number Number Text Number Number Text Logical Text Number Text Text Number Text Text Text Text Text Text Text Text	Seconds Seconds Ratio KW Inch/mm		True or False Surface, Flush 12,2,3,4 Square, Round	Indication of whether the motor enclosure is guarded. Into discinno of whether the motor enclosure is guarded. The maximum output power rating of the engine. As for the available types of motor enclosure from which that required may be selected. Start Current actor is multipled to MonthadCurrent and to give the start current. StartCurrent actor is multipled to MonthadCurrent and to give the start current. The maximum control start is multipled to MonthadCurrent and to give the start current. The maximum time (in s) at which the motor could run with tocked rotor when the motor is used in an EX-environment. The maximum could pape of maximine for converting mechanical energy into electrical energy. The property enumeration defines the types of generator that may be specified within the property set. The ratio of output capacity to intake capacity. The maximum output power rating of the engine. StartCurrentStarts is multipled to MonthadCurrent and we get the start current. StartCurrentStarts is multipled to MonthadCurrent and we get the start current. StartCurrentStarts is multipled to MonthadCurrent and we get the start current. Coor monthrostered depth available for cable inclusion within the function box. (6.6052) (1985) (capacitation of degrees of protections provided by enclosures (IP Code). Indication of whether the junction box type is allowed for exposure to outdoor elements. Method of mountage to be adopted for the protection provided in enclosure. Number of stots available for subtrivelyoutlest (most commonly 1, 2, 3, or 4). Locations at which the type of junction box type is allowed for exposure to auditor elements. The property enumeration defines the type of Junction box. The property enumeration defines the type of Junction box. The property enumeration defines the special of the standards and prover the control of the following property set. The Code Touchest how well a sight source is engined for exposure to prefect reference harp with the same than the property set. The Cod	HclunctionBox									
Is Guarden Maximum Motor fin Sant Curr. Sant Curr. Sant Curr. In Time In Time Generator Ge	led of Motor Current me Power Options of Type Central Efficiency or Type Central Efficiency Central Efficien	Text Logical Logical Logical Number Text Number Text Number Number Number Number Number Number Number Number Number Text Number Text Number Text Number Text Number Text Number Text Number Number Text Number Number Text Number Number Number Number Number Text	Seconds Seconds Ratio KW Inch/mm CRI Kelvin		True or False Surface, No. 12,2,5 5 Surface, Round 1:100 3000-4100	Indication of whether the motor enclosure is guarded. Into current when motor ammuture is empired but not rotating. The maximum output power rating of the engine. As that of the available types of motor enclosure from which that required may be selected. Start CurrentStacks in multiplied to knoinsalCurrent and to give the start current. The time is no is needed for the motor to reach its rated speed with its driven equipment attached, starting from standstill in the time is not included for the motor to reach its rated speed with its driven equipment attached, starting from standstill in the motor is used in an EX-environment. The maximum time (in s) at which the motor could run with locked rator when the motor is used in an EX-environment. Defines a particular type of maximize for converting mechanical energy into electrical energy. The property enumeration defines the type of generator that may be specified within the property set. The ratio of output capacity to intake capacity. The maximum output power rating of the engine. Sant/CurrentStack is multiplied to knoinsalCurrent and we get the start current. Sant/CurrentStack is multiplied to knoinsalCurrent and we get the start current. The property enumeration defines the types of juraction box that may be specified within the property set. College undoctored depth available for college in exclusion within the jurnoce IP Code). College in the college of the start output is a college of the college of	HclunctionBox									
in Guarden (Marinum Mortor In Marinum Mortor In Marinum Mortor In In Start Curr In Terminal Mortor In In International Mortor In International Marinum Mortor In International Marinum Mortor International Mort	led Stotoc Current Stotoc Stotoc Current Stotoc Stotoc Current Stotoc Stotoc Stotoc Current Stotoc S	Test Logical Logical Logical Logical Number Text Number Text Number Number Number Number Text Number Number Text Number Number Text Number Text Text Number	Seconds Seconds Ratio KW Inch/mm CRI Kelvin		True or False Surface, No. 12,2,5 5 Surface, Round 1:100 3000-4100	Indication of whether the motor enclosure is guarded injunct current when motor amsture is energized but not rotating. The maximum output power rating of the engine. As tot dhe available your office motor from which that required may be selected. Start Current start in multiplied for the lengths. As tot dhe available your office motor from which that required may be selected. Start Current start in multiplied for knownacturent and to give the start current. Start Current start in multiplied for knownacturent and to give the start current. The maximum time (in s) at which the motor could run with locked rotor when the motor is used in an Ex-environment. Oeffines a particular type of machine for converting mechanical energy into electrical energy. The property enumeration defines the type of generator that may be specified within the property set. The ratios of output capacity to instance capacity. The maximum tough output rating of the energy and the start current. Contains cables, outlets, and/or switches for electrical power. The property enumeration defines the point of energy and use property set. Clear undestructed depth available for cable inclusion within the junction low. Ecosocial (1983) Capacity in the capacity of the	HclunctionBox									
in Guarden (Marinum Mortor In Marinum Mortor In Marinum Mortor In In Start Curr In Terminal Mortor In In International Mortor In International Marinum Mortor In International Marinum Mortor International Mort	led of Motor Current me Power Options of Type Central Efficiency or Type Central Efficiency Central Efficien	Text Logical Logical Logical Number Text Number Text Number Number Number Number Number Number Number Number Number Text Number Text Number Text Number Text Number Text Number Text Number Number Text Number Number Text Number Number Number Number Number Text	Seconds Seconds Ratio KW Inch/mm CRI Kelvin		True or False Surface, Round 1-2,2,4 5-2,4 5-2,4 1-2,1 5-2,1 1-2,1 1-2,2	indication of whether the motor enclosure is guarded in junctiourism of whether the motor enclosure is guarded in junct current when motor amounts in energied but not rotating. The maximum original power rating of the engine. In the maximum original power rating of the engine. Sold or the property of the engine of the e	HclunctionBox									
Is Guarden Maintenam Motor for Maintenam Motor for Maintenam It If I'me Generator Generato	led of Motor Current with the control of the contro	Text Logical Logical Number Logical Number Text Number Text Number Number Number Number Number Number Text Number Number Number Number Number Text Number Text Number Text Text Number Text Text Number	Seconds Seconds Seconds Ratio KW Inch/mm Inch/mm CR Kelvin Lumens		True or False Surface, Flush 12,3,4 5auare, Round 1-100 3000-4100 EC-A, EC-B	Indication of whether the motor enclosure is guarded. The maximum original power rating of the engine. All cold the enablishing your of motor enclosure is required but not rotating. The maximum original power rating of the engine. All cold the enablishing your of motor enclosure is made to give the sent current. The time in its needed for the motor to reach its rates speed with its driven equipment attached, starting from standstill and at the normal voltage applied at its reminals. The maximum time (in s) at which the motor could run with locked rotor when the motor is used in an EX-environment. Defines a particular type of machine for converting mechanical energy into electrical energy. The property enumeration defines the type of generator that may be specified within the property set. The ratios of original capacity is unlable capacity. The ratios of original capacity is unlable capacity. The property enumeration defines the type of generator that may be specified within the property set. The ratios of original capacity is unlable capacity. The ratios of original capacity is unlable capacity. The property enumeration defines the page of junction to box that may be specified within the property set. Contains cables, outlets, and/or switches for electrical power. The property enumeration defines the post of junction to box that may be specified within the property set. Clear unobstructed depth available for cable inclusion within the junction hox. (Ecoso) (1980) Consistance of depress or post of junction to box that may be specified within the property set. Indication of whether the junction box type is allowed for response to outdoor elements Method or incuming but adapted to fine type of junction to box that may be specified within the property set. Location at which the type of junction box can be located. Some of the junction box. A lamp is an artificial light source such as a light bulb or tube. The property enumeration defines the page of Junction to box can be located. Some of	HclunctionBox									
In Source of the Control of the Cont	led blook current blook curren	Text Logical Logical Logical Number Logical Number Text Number Text Number Text Text Text Text Number Text Text Number Text Text Number Number Number Number Text Number	Seconds Seconds Ratio KW Inch/mm CRI Kelvin		True or False Surface, No.th 1-2,2-6 Sauare, Round 1-100 3000-4100 EC-A, EC-B	Indication of whether the motor enclosure is guarded to import control of whether the motor enclosure is guarded to import current when motor amsture is energized but not rotating. The maximum output power rating of the engine. As for the available types of motor enclosure from which that required may be selected. StartCurrentSactor is multipleded to MominatCurrent and to give the start current. StartCurrentSactor is multipleded to MominatCurrent and to give the start current. The maximum string in s) at which the motor could run with locked rotor when the motor is used in an EX-environment. The maximum string in s) at which the motor could run with locked rotor when the motor is used in an EX-environment. Defines a particular type of machine for converting mechanical energy into electrical energy. The property enumeration defines the types of generator that may be specified within the property set. The ratio of output capacity to instake capacity. The maximum output power rating of the engine. StartCurrentSactor is multipleded to MominatCurrent and we get the start current. StartCurrentSactor is multipleded to MominatCurrent and we get the start current. Capacity of the start current and a start current and the start current. StartCurrentSactor is multipleded to MominatCurrent and we get the start current. Capacity of the start current sactor is multipleded to MominatCurrent and we get the start current. Capacity of the start current sactor is multipleded to MominatCurrent and we get the start current. Capacity of the start current sactor is multipleded to MominatCurrent and we get the start current. Capacity of the start current sactor is multipleded to MominatCurrent and the start being of junction has been start current. Capacity of the start current sactor is multipleded to MominatCurrent and the start being of junction has been start current. Capacity of the start current sactor is multipleded to MominatCurrent and the start current sactor is which the property set. Capacity of the st	IfchinctionBox IfchinctionBox Ifching Ifching									
is Guarden (Marinum) Motor In Marinum Motor In Te Time Te Time Te Time Generator Gener	led of Motor Current Motor Type Motor Type Motor Type Motor Current Moto	Text Logical Logical Logical Logical Logical Number Number Number Number Text Number Number Text Number Text Number Text Number Text Number Number Number Text Number Number Text Number Text Number Text Number Text Text Number Number Text Text Number	Seconds Seconds Seconds Ratio KW Inch/mm CR Kelvin Lumens		True or False Surface, Flush 12,3,4 \$quare, Round 1-100 3000-4100 ECA, EC-8	Indication of whether the motor enclosure is guarded in junct current when motor amsture is energied but not rotating. The maximum output power rating of the engine. All of the evaluable your of motor enclosure is engined but not rotating. All of the evaluable your of motor enclosure is made to prevent the property and the property your office of the property is an expert of many to selected. A lot of the evaluable your office of the property is an expert of the selected. The time in a needed for the motor to reach its rates speed with its driven equipment attached, starting from standstill and at the normal voltage applied at its reminds. The maximum time (in s) at which the motor could run with locked rotor when the motor is used in an Exercisonment. Defines a particular type of machine for converting mechanical energy into electrical energy. The property enumeration defines the type of generator that may be specified within the property set. The maximum time (in s) at which the motor could run with locked rotor when the motor is used in an Exercisonment. Defines a particular type of machine for converting mechanical energy into electrical energy. The property enumeration defines the types of generator that may be specified within the property set. The maximum time (in s) at which the start of the property and the start current. Contains cables, outlets, and/or switches for electrical power. The property enumeration defines the year of junction to box but may be specified within the property set. Clear unobstructed depth available for cable inclusion within the junction how. (in 60025) 1980) Consistance of depths of protection provided by enclosures (in Code). Indication of whether the junction box byte is allowed for response to outdoor elements Method of morning but adapted for the type of junction to box days of the first period puriodic to the control of whether the junction box (par is allowed for response to outdoor elements Method of the standards, sufficial type of junction to provi	HclunctionBox									
is Guarden (Marinum) Motor In Marinum Motor In Te Time Te Time Te Time Generator Gener	led of Motor Current with the control of the contro	Text Logical Logical Logical Number Logical Number Text Number Text Number Text Text Text Text Number Text Text Number Text Text Number Number Number Number Text Number	Seconds Seconds Seconds Ratio KW Inch/mm CR Kelvin Lumens		True or False Surface, Flow 12,2,4 Square, Round 1:100 3000-4100 EC-A, EC-B	Indication of whether the motor enclosure is guarded to import control of whether the motor enclosure is guarded to import current when motor amsture is energized but not rotating. The maximum output power rating of the engine. As for the available types of motor enclosure from which that required may be selected. StartCurrentSactor is multipleded to MominatCurrent and to give the start current. StartCurrentSactor is multipleded to MominatCurrent and to give the start current. The maximum string in s) at which the motor could run with locked rotor when the motor is used in an EX-environment. The maximum string in s) at which the motor could run with locked rotor when the motor is used in an EX-environment. Defines a particular type of machine for converting mechanical energy into electrical energy. The property enumeration defines the types of generator that may be specified within the property set. The ratio of output capacity to instake capacity. The maximum output power rating of the engine. StartCurrentSactor is multipleded to MominatCurrent and we get the start current. StartCurrentSactor is multipleded to MominatCurrent and we get the start current. Capacity of the start current and a start current and the start current. StartCurrentSactor is multipleded to MominatCurrent and we get the start current. Capacity of the start current sactor is multipleded to MominatCurrent and we get the start current. Capacity of the start current sactor is multipleded to MominatCurrent and we get the start current. Capacity of the start current sactor is multipleded to MominatCurrent and we get the start current. Capacity of the start current sactor is multipleded to MominatCurrent and the start being of junction has been start current. Capacity of the start current sactor is multipleded to MominatCurrent and the start being of junction has been start current. Capacity of the start current sactor is multipleded to MominatCurrent and the start current sactor is which the property set. Capacity of the st	IfchinctionBox IfchinctionBox Ifching Ifching									
is Guarden (Marinum) Issue (Ma	led of Motor Current Motor Type Motor Type Motor Type Motor Current Moto	Text Logical Logical Logical Logical Logical Number Number Number Number Text Number Number Text Number Text Number Text Number Text Number Number Number Text Number Number Text Number Text Number Text Number Text Text Number Number Text Text Number	Seconds Seconds Seconds Ratio KW Inch/mm CR Kelvin Lumens		True or False Surface, Flush 12,3,4 \$quare, Round 1-100 3000-4100 ECA, EC-8	Indication of whether the motor enclosure is guarded in junct current when motor amsture is energied but not rotating. The maximum output power rating of the engine. All of the evaluable your of motor enclosure is engined but not rotating. All of the evaluable your of motor enclosure is made to prevent the property and the property your office of the property is an expert of many to selected. A lot of the evaluable your office of the property is an expert of the selected. The time in a needed for the motor to reach its rates speed with its driven equipment attached, starting from standstill and at the normal voltage applied at its reminds. The maximum time (in s) at which the motor could run with locked rotor when the motor is used in an Exercisonment. Defines a particular type of machine for converting mechanical energy into electrical energy. The property enumeration defines the type of generator that may be specified within the property set. The maximum time (in s) at which the motor could run with locked rotor when the motor is used in an Exercisonment. Defines a particular type of machine for converting mechanical energy into electrical energy. The property enumeration defines the types of generator that may be specified within the property set. The maximum time (in s) at which the start of the property and the start current. Contains cables, outlets, and/or switches for electrical power. The property enumeration defines the year of junction to box but may be specified within the property set. Clear unobstructed depth available for cable inclusion within the junction how. (in 60025) 1980) Consistance of depths of protection provided by enclosures (in Code). Indication of whether the junction box byte is allowed for response to outdoor elements Method of morning but adapted for the type of junction to box days of the first period puriodic to the control of whether the junction box (par is allowed for response to outdoor elements Method of the standards, sufficial type of junction to provi	IfchinctionBox IfchinctionBox Ifching Ifching									

Light Fixture Placing Type	Text		A list of the available types of placing specification for light fixtures from which that required may be selected.												
															
Maintenance Factor	Number		The arithmetical allowance made for depreciation of lamps and reflective equipment from their initial values due to dirt, fumes, or age.												1
Maximum Plenum Sensible Load	Number Watts		Maximum or Peak sensible thermal load contributed to return air plenum by the light fixture.									-	-+-		
Maximum Space Sensible Load	Number Watts		Maximum or Peak sensible thermal load contributed to the conditioned space by the light fixture.												
Number Of Sources	Number		Number of sources .									$\perp \equiv$		\perp	\vdash
Sensible Load To Radiant	Number Percentage		Percent of sensible thermal load to radiant heat.									++			-
Total Wattage	Number Watts		Wattage on whole lightfitting device with all sources intact. An outlet is a device installed at a point to receive one or more inserted plugs for electrical power or communications.	IfcOutlet											_
Outlet			An outlet is a device installed at a point to receive one or more inserted plugs for electrical power or communications.	incoutiet										/	i .
Outlet Type	Text		The property enumeration defines the types of outlet that may be specified within the property set.												
Is Pluggable Outlet	Logical	True or False	Indication of whether the outlet accepts a loose plug connection									-			
Number Of Sockets	Number		The number of sockets that may be connected. In case of inconsistency, sockets defined on ports take precedence.												ı
Reference	Text		Reference ID for this specified type in this project (e.g. type 'A-1')									\vdash		++	
Security Light	1000		A light fixture having specific purpose of directing occupants in an emergency, such as an illuminated exit sign or	IfcLightFixture											
			emergency flood light.	-											<u> </u>
Security Light Type	Text		The property enumeration defines the types of security light that may be specified within the property set. The type of addressability.							_					l —
Addressablility Backup Supply System	Text Text		The type of addressability. The type of backup supply system.						_			++	-	+	
Fixture Height	Numeirc Inch mm		The height of the fixture, such as the text height of an exit sign.											+	
Pictogram Escape Direction	Text		The direction of escape pictogram.												
Security Lighting Type	Text		The type of security lighting.												
Self Test Function	Text		The type of self test function.	IfcSwitchingDevice											_
Switch Switch Type	Text		A switch is used in a cable distribution system (electrical circuit) to control or modulate the flow of electricity The property enumeration defines the types of switch that may be specified within the property set.	incowitchingDevice							1	-		+	
Has Lock	Logical	True or False	Indication of whether a switching device has a key operated lock								1	\vdash	-	+	
Is Illuminated	Logical		An indication of whether there is an illuminated indicator to show that the switch is on												
Legend	Text	1	A text inscribed or applied to the switch as a legend to indicate purpose or function.								1 -	\vdash	-		
Number Of Gangs Set Point	Number Logical	1,2,3,4	Number of gangs/buttons on this switch. Indicates the setpoint and label. For toggle switches, there are two positions, 0 for off and 1 for on.				+ +		-	_	-	+-+	+-	+	
Set Point Switch Function	Logical Text	0,1	Indicates the setpoint and label. For toggle switches, there are two positions, 0 for off and 1 for on. Indicates types of switches which differs in functionality.				+ +		+	_	1	\vdash		+	
Contact			An electrical device used to control the flow of power in a circuit on or off.						ı						
Contactor Type	Text	CapacitorSwitching,	A list of the available types of contactor from which that required may be selected												. —
		LowCurrent, MagneticLatching,													ı
		MechanicalLatching,													i
		Modular, Reversing,													i
		Standard										\vdash			
Dimmer Dimmer Type	Text		A dimmer switch is a switch that adjusts electrical power through a variable position level action. A list of the available types of dimmer switch from which that required may be selected.							_		+-+	-+	+	
Emergency Stop	TEX		An emergency stop device acts to remove as quickly as possible any danger that may have arisen unexpectedly.									+	-	+	
Switch Operation	Logical	True or False	Indicates operation of emergency stop switch.												
Keypad	Total		A keypad is a switch supporting multiple functions.							_					l
Keypad Type Momentary	Text		A list of the available types of keypad switch from which that required may be selected. A momentary switch is a switch that does not hold state.									\vdash		++	
Momentary Type	Text		A list of the available types of momentary switch from which that required may be selected.											_	
Set Point	Logical	0,1	Indicates the switch position over time												
Selector			A selector switch is a switch that adjusts electrical power through a multi-position action.									\vdash			
Selector Type Switch Activation	Text Text		A list of the available types of selector switch from which that required may be selected. A list of the available activations for selector switches from which that required may be selected.									++		+	
Switch Usage	Text		A list of the available usages for selector switches from which that required may be selected.									+	-	+	
Starter			A starter is a switch which in the closed position controls the application of power to an electrical device.												
Starter Type	Text		A list of the available types of starter from which that required may be selected												i .
		DirectOnLine, Frequency, nStep, Rheostatic, StarDelta													i .
		notep, micostatic, starbeita													i
Disconnect			A switch disconnector is a switch which in the open position satisfies the isolating requirements specified for a												
			disconnector.									++			—
Load Disconnection Type Switch Disconnector Type	Text Text	CenterBreak,	A list of the available types of load disconnection from which that required may be selected. A list of the available types of switch disconnector from which that required may be selected										-	+	
Switch Disconnection Type	10.00	DividedSupport,				1			1				1		i .
		DoubleBreak,							1						ı
		EarthingSwitch, Isolator													
Toggle Switch Activation	Text	+	A toggle switch is a switch that enables or isolates electrical power through a two position on/off action. A list of the available activations for toggle switches from which that required may be selected.				1	_	+		1	\vdash	+-	++	
Switch Usage	Text		A list of the available usages for toggle switches from which that required may be selected.								1	-		+	
Toggle Switch Type	Text		A list of the available types of toggle switch from which that required may be selected.												
Transformer			A transformer is an inductive stationary device that transfers electrical energy from one circuit to another.	IfcTransformer								\vdash			
Transformer Type Imaginary Impedance Ratio	Text Number Ratio	+	The property enumeration defines the types of transformer that may be specified within the property set.				+		+		1	+-+	-	+	
imaginary impedance katio	Number Ratio		The ratio between the imaginary part of the zero sequence impedance and the imaginary part of the positive impedance (i.e. imaginary part of the short-circuit voltage) of the transformer.						1						ı
			Used for three-phase transformer which includes a N-conductor.											\perp	
Is Neutral Primary Terminal Available	Logical		An indication of whether the neutral point of the primary winding is available as a terminal								1	\vdash	\longrightarrow	4	
Is Neutral Secondary Terminal Available Maximum Apparent Power	Logical Number VA	True or False	An indication of whether the neutral point of the secondary winding is available as a terminal Maximum apparent power/capacity in VA				+		-		+	\vdash	+-	+	
Primary Apparent Power	Number VA		The power in VA that has been transformed and that runs into the transformer on the primary side.								1	\vdash	-	+	
Primary Current	Number Amps		The current that is going to be transformed and that runs into the transformer on the primary side.												
Primary Frequency	Number Hertz		The frequency that is going to be transformed and that runs into the transformer on the primary side.									oxdot		\bot	
Primary Voltage	Number Volts Number Ratio	+	The voltage that is going to be transformed and that runs into the transformer on the primary side. The ratio between the real part of the zero sequence impedance and the real part of the positive impedance (i.e. real part				+		+		1	+-+	-	+	
Real Impedance Ratio	Number Ratio		The ratio between the real part of the zero sequence impedance and the real part of the positive impedance (i.e. real part of the short-circuit voltage) of the transformer. Used for three-phase transformer which includes a N-conductor.						1				1		ı
				<u> </u>								L			
Secondary Apparent Power	Number VA		The power in VA (volt ampere) that has been transformed and is running out of the transformer on the secondary side.												. —
	Number Amps	+	The surrout that has been transformed and is coming out of the transformer on the seconds				++	_	+	-	1	+-+		+	
Secondary Current Secondary Current Type	Number Amps Text		The current that has been transformed and is running out of the transformer on the secondary side. A list of the secondary current types that can result from transformer output.				1 -	_	+		+	+	-	+	
Secondary Frequency	Number Hertz		The frequency that has been transformed and is running out of the transformer on the secondary side.	<u> </u>											
Secondary Voltage	Number Volts		The voltage that has been transformed and is running out of the transformer on the secondary side.												-
Short Circuit Voltage	Number Percentage		A complex number that specifies the real and imaginary parts of the short-circuit voltage at rated current of a transformer					1 -	1 -	1 -	1	ı	1	1 7	
Transformer Vector Group	Text	D, Y, Z	given in %. List of the possible vector groups for the transformer from which that required may be set.				+ +		-	_	 	\vdash		+	
		5, 1, 2	D: means that the windings are delta-connected.						1						ı
			Y: means that the windings are star-connected.			1			1				1		i
			Z: means that the windings are zig-zag connected (a special start-connected providing low reactance of the transformer)						1				1		

BIMForum LOD Specification 2018 Part II D- Electrical Distribution Part 1 - Attribute Description Part 3 - Example Project-Specific Milestones Attribute Data Type Units - Imp. Units - Metric Option Examples IEC Name COBie Tag Fet 1 Rid Pkg Chack Sub 100, 200, 300, 350, 400 ourrent LOD tem-Specific Attributes Condition Status Text Status of the element, predominately used in renovation or retrofitting projects Temporary, User Defined Reference ID for this specified type in this project (e.g. type 'A-1'), provided, if there is no classification reference to a recognized classification system used. Text ID Tag Cable Ladder An open carrier segment on which cables are carried on a ladder structure.

Description of the configuration of the ladder structure used. Text Ladder Configuration Nominal Height Inch mm Nominal Width Number Inch mm The nominal width of the segment. An (typically) open carrier segment onto which cables are laid. An (typically) open carrier segment onto which cables are laid.

Indication of whether the cable tray has a cover (=TRUE) or not (= FALSE). By default, this value should be set to FALSE. Has Cover Logic True or False Nominal Height Number Inch mm The nominal height of the segment. Inch mm Cable Trunk An enclosed carrier segment with one or more compartments into which cables are placed. Cable Trunk
Nominal Height
Nominal Width
Number Of Compa
Conduit
Conduit Shape Typ
is Rigid
Nominal Height
Nominal Width
Flectrical Cable Inch mm Number The nominal width of the segment. An enclosed tubular carrier segment through which cables are pulled. Logic Number Carrier Stack Number Number of carrier segments (tray, ladder etc.) that are vertically stacked (vertical is measured as the z-axis of the local oordinate system of the carrier segment). Current Carrying Capacity Number Amps Maximum value of electric current which can be carried continuously by a conductor, a device or an apparatu Design Ambient Temperature Number Degrees F/C Number Inch The highest and lowest local ambient temperature likely to be encountered. Distance measured between parallel circuits.

Reference ID for this specified type in this project (e.g. type 'A-1'), provided, if there is no classification reference recognized classification system used. Method of installation of cable/conductor.

Social installation conditions relating to particular types of installation based on IECE0364-5-52:2001 refere methods C and D. Is Horizontal Cable Logic True or False Indication of whether the cable occurrences are mounted horizontally Is Mounted Flat Cable Logic True or False Indication of whether the cable occurrences are mounted flat Maximum Cable Length Inch mm Mounting Method Text The method of mounting cable segment on a cable carrier from which the method required can be selected. Number Watts Number [SI] units of Total loss of power across this cable.

Thermal conductivity of soil. Generally, within standards such as IEC 60364-5-52, table 52A-16 degK.m /W User Correction Factor Number Percentage An arbitrary correction factor that may be applied by the user. Bus Bar Busbar Routing Properties specific to busbar cable segments.

True or False Indication of whether the busbar occurrences are routed horizontally Logic Electrical Cable Electrical cable with a specific purpose to lead electric current within a circuit or any other electric construction Function Reliable Cable/bus maintain given properties/functions over a given (tested) time and conditions. According to IEC standard. Logic Halogen Proof Logic True or False Produces small amount of smoke and irritating Deaerator/Gas. Has Protective Earth Maximum Operating Tem Logic
Number Degrees F Degrees C True or False The number of a Cable/Blue.

The range of allowed temerature that a device is certified to handle. The upper bound of this value is the man The range of allowed voltage that a device is certified to handle. The upper bound of this value is the maximum Rated Voltage Volts Screen Diameter
Self Extinguishing60332
Self Extinguishing60332
Special Construction The diameter of the screen around a cable or bus segment (if present).

True or False Self Edinguishing cable/core according to EEC 60332.1.

True or False Self Edinguishing cable/core according to EEC 60332.3.

Special construction capabilities tiles self-supporting, flut devidable cable or bus flat non devidable cable or bus supporting. Inch Logic Standard The designation of the standard applicable for the definition of the Cable/Bus used. Kgs Weight of clable lights.

An electrical conduct is a single linear element with the specific purpose to lead electric current.

Purpose of informing on how the conductor is constucted (interwined or solid). I.e. Solid (IEV 461-01-66), stranded (IEV 461 Text Cross Sectional Area (kcmil) Function Material Shape Text Text Text Type of function for which the conductor is intended.

Type of material from which the conductor is constructed.

Indication of the shape of the conductor. An assembly comprising a conductor with its own insulation (and screens if any)

The core identification used identifiers may be used such as by color (Black, Brown, Grey) or by number (1, 2, 3) or by IB Text phase reference (L1, L2, L3) etc.

Core maintain given properties/functions over a given (tested) time and conditions. According to (IEC) standard. Logic The overall diameter of a core (maximum space used).

The range of allowed temperature that a device is certified to handle. The upper bound of this value is the m he range of allowed voltage that a device is certified to handle. The upper bound of this value is the maximur Volts Screen Diameter
Self Extinguishing60332_1
Self Extinguishing60332_3
Sheat Colors Number Logic The diameter of the screen around a core segment (if present).

Self Extinguishing cable/core according to IEC 60332.1.

Self Extinguishing cable/core according to IEC 60332.3.

Colour of the core (desured from IEC 60751). True or False True or False Logic Colour of the core (derived from IEC 60757).

The designation of the standard applicable for the definition of the core used. Text Weight Lbs Kgs Weight of core kg/km. Power State Indicates the power state of the device where True is on and False is off. Logic 0,1 Electrical Properties Conductor Function Text Function of a line conductor to which a device is intended to be connected where L1, L2 and L3 represent the phase line according to IEC 60446 notation Has Protective Earth Logic Indicates whether the electrical device has a protective earth connection Insulation Standard Cla Text Insulation standard classes provides basic protection information against electric shock. Defines levels of in in terms of constructional requirements
IEC 60529 Classification of degrees of protection provided by enclosures (IP Code). IP Code Text Nominal Frequency Range Number Of Poles Number Number Hertz The upper and lower limits of frequency for which the operation of the device is certified. The number of live lines that is intended to be handled by the device. Number Ratio Number Amps Number Volts Power Factor The ratio between the rated electrical power and the product of the rated current and rated voltage Rated Current The current that a device is designed to handle.

The voltage that a device is designed to handle.

++++

F Metal Buildings									
aseline This work is licensed under the Creative Common	<u> </u>			Part 1	- Attribute Description	Part 2 - E	xample Proje	ct-Specific M	ilestones
dditional Attribution-NonCommercial 4.0 International					7.11.13.11.6 2-651. P.161.		Estimating		
ttribute	Data Type	Units - Imp.	Units - Metric Option	n Examples	Commentary	Est. 1	Bid Pkg.	Check	Submittal
uilding Width	Number	ft							
ilding Length	Number	ft							
ve Height	Number	ft							
oof Type	Text			nonoslope, gable,					
			other]						
oof Slope	Number	#/12			Inches per 12 inches (n/12)				
rget LOD	Text Text			00, 350, 400					
rrent LOD imary Framing and Bracing	Text		100, 200, 3	00, 350, 400					
Structural steel materials	Text				ASTM Specification, Grade				
Frame base fixed	Logical		T/F, 1/0		ASTW Specification, Grade				
Support Reactions	Logical		171, 170		Table of values				
Mark ID					Mark identification that correlates with bill of material (i.e., piece mark)				
Member finish	Text		options: [n	one, primer,					
			galvanized,						
Fastener materials	Text				ASTM Specification, Grade				
Fasterner finish	Text		options: [b						
				ed, hot-dipped					
			galvanized,	other]					
condary Framing									
Structural steel materials	Text				ASTM Specification, Grade				
Finish	Text			one, primer,					
Mark ID			galvanized,		Mark identification that correlates with bill of material (i.e., piece mark)				
Fastener materials	Text				ASTM Specification, Grade				
Fasterner finish	Text		options: [b	lack zinc	ASTINI Specification, Grade				
i asterner minsn	Text			ed, hot-dipped					
			galvanized,						
			0	•					
adding and Exterior Trim									
Roof Panel System	Text		options: [th	nrough-fastened,					
			standing se	eam roof]					
Wall Panel System	Text		options: [co						
			fastener, th	nrough-fastened]					
Do of Donal Metaviale	Total				ACTAA Caraification Conductions and finish and rela-				
Roof Panel Materials	Text				ASTM Specification, Grade, thickness, finish, and color				
Wall Panel Materials Installation details	Text Text				ASTM Specification, Grade, thickness, finish, and color Panel laps, crimping, etc. Fastener spacing and edge distance, etc.				
Installation details Mark ID	Text				Mark identification that correlates with bill of material (i.e., piece mark)				
Fastener materials	Text				ASTM Specification, Grade				
Fasterner finish	Text		options: [b	lack zinc	AS THE Specification, State				
rusterner milati	TCAC			ed, hot-dipped					
			galvanized,						
			0						
Caulk/mastic installation details	Text				field-installed weather-tightness materials and installation instructions				
SC Shape Type & Size	Text		options: [s _i	pecific "HSS					
			6x6x1/4"]						
reproofed	Logical	1	T/F, 1/0						
eight in pounds/foot	Number	1							
TM Material Grade	Text	Text	options: [A						
pating	Text	Text	options: [gi					1	1
			painted for						
obtootived Congood Structural Struct	1 1	+	exposure, e T/F, 1/0	etcj				 	
chtectural Exposed Structural Steel	Logical Number	+	1/F, 1/0		SequenceNumber			 	
brication Sequence Number	inumber	+			n sequencewumber				
nop Submital Parameters Date - Issued For Construction					V		1		

		{DatePermitted}		
Date - recieved for Shop Detailing				
		{DateRecievedForShopDet}		
		{DateOutForAproval}		
Date - Final Erection Drawings Aproved for Fab	Date Time	{DateFinalForFab}		
Date - Fabrication Start	Date Time	{DateFabStart}		1
Date - Fabrication End	Date Time	{DateFabEnd}		i
Date - Fabrication Shipped	Date Time	{DateFabShip}		1
Date - Fabrication Received	Date Time	{DateFabRecieved}		
Date - Erection	Date Time	{DateErected}		1
Date - Inspected	Date Time	{DateInspected}		
				1
				1
				1
				1
				1
				1

BIMForum LOD Specification 2018 Part II								
Highway Bridge Steel								
This work is licensed under the Creative Commons			Part :	1 - Attribute Description	Part 2 - E	xample Proje	t-Specific N	lilestones
Additional Attribution-NonCommercial 4.0 International License					Estimating	Estimating	LEED Cert.	LEED Cert
Attribute	Data Type	Units - Imp. Units - Me	tric Option Examples	Commentary	Est. 1	Bid Pkg.	Check	Submittal
AISC Shape Type & Size	Text		options: [specific "HSS 6x6x1/4"]					
Fireproofed	Logical		T/F, 1/0					
Weight in pounds/foot	Number							
ASTM Material Grade	Text		options: [A992, etc]					
Target LOD	Text		100, 200, 300, 350, 400					
Current LOD	Text		100, 200, 300, 350, 400					
Coating	Text		options: [galvanized, painted for exterior exposure, etc]					
Archtectural Exposed Structural Steel	Logical		T/F, 1/0					
Fabrication Sequence Number	Number			SequenceNumber				
Shop Submital Parameters				{}				
Date - Issued For Construction	Date Time			{DateIFC}				
Date - Permited	Date Time			{DatePermitted}				
Date - recieved for Shop Detailing	Date Time			{DateRecievedForShopDet}				
Date - Detailing Submited for EOR review \ Out For Aproval (OFA)	Date Time			{DateOutForAproval}				
Date - Final Erection Drawings Aproved for Fab	Date Time			{DateFinalForFab}				
Date - Fabrication Start	Date Time			{DateFabStart}				
Date - Fabrication End	Date Time			{DateFabEnd}				
Date - Fabrication Shipped	Date Time			{DateFabShip}				
Date - Fabrication Received	Date Time			{DateFabRecieved}				
Date - Erection	Date Time			{DateErected}				
Date - Inspected	Date Time			{DateInspected}				

BIMForum LOD Specification 2018 Part II					· · · · · · · · · · · · · · · · · · ·			
Railroad Bridge Steel Baseline This work is licensed under the Creative Commons			Part :	L - Attribute Description	Part 2 - E	cample Projec	t-Specific M	lilestones
Additional Attribution-NonCommercial 4.0 International License					Estimating	Estimating	LEED Cert.	LEED Cert
Attribute	Data Type Uni	its - Imp. Units - Metric	Option Examples	Commentary	Est. 1	Bid Pkg.	Check	Submittal
AISC Shape Type & Size	Text		options: [specific "HSS 6x6x1/4"]					
Fireproofed	Logical		T/F, 1/0					
Weight in pounds/foot	Number							
ASTM Material Grade	Text		options: [A992, etc]					
Target LOD	Text		100, 200, 300, 350, 400					
Current LOD	Text		100, 200, 300, 350, 400					
Coating	Text		options: [galvanized, painted for exterior exposure, etc]					
Archtectural Exposed Structural Steel	Logical		T/F, 1/0					
Fabrication Sequence Number	Number			SequenceNumber				
Shop Submital Parameters				{}				
Date - Issued For Construction	Date Time			{DateIFC}				
Date - Permited	Date Time			{DatePermitted}				
Date - recieved for Shop Detailing	Date Time			{DateRecievedForShopDet}				
Date - Detailing Submited for EOR review \ Out For Aproval (OFA)	Date Time			{DateOutForAproval}				
Date - Final Erection Drawings Aproved for Fab	Date Time			{DateFinalForFab}				
Date - Fabrication Start	Date Time			{DateFabStart}				
Date - Fabrication End	Date Time			{DateFabEnd}				
Date - Fabrication Shipped	Date Time		<u> </u>	{DateFabShip}				
Date - Fabrication Received	Date Time			{DateFabRecieved}				
Date - Erection	Date Time			{DateErected}				
Date - Inspected	Date Time			{DateInspected}				

BIMForum LOD Specification 2018 Part II	_								
Bridge Concrete									
Baseline This work is licensed under the Creative Commons				Part 1	1 - Attribute Description	Part 2 - E	kample Proje	ct-Specific M	lestones
Additional Attribution-NonCommercial 4.0 International						Estimating	Estimating	LEED Cert.	LEED Cert
Attribute	Data Type	Units - Imp.	Units - Metric	Option Examples	Commentary	Est. 1	Bid Pkg.	Check	Submittal
Member Type	Text			(0) Foundation (1) Beam (2) Column (3) Slab (4) Wall					
Concrete Compression Strength		PSI			Example: 3000 PSI				
Reinforcing Steel Flexture		PSI			Example: 60,000 PSI				
Reinforcing Steel Shear		PSI			Example: 60,000 PSI				
Target LOD	Text			100, 200, 300, 350, 400					
Current LOD	Text			100, 200, 300, 350, 400					
Member Casting Number									
Exterior Exposure	Logical			T/F, 1/0					
Shop Submital Parameters									
Date - Issued For Construction	Date Time				DateIFC				
Date - Permited	Date Time				DatePermitted				
Date - recieved for Shop Detailing	Date Time				DateRecievedForShopDet				
Date - Detailing Submited for EOR review \ Out For Aproval	Date Time				DateOutForAproval				
Date - Final Erection Drawings Aproved for Fab	Date Time				DateFinalForFab				
Date - Fabrication Start	Date Time				DateFabStart				
Date - Fabrication End	Date Time				DateFabEnd				
Date - Fabrication Shipped	Date Time				DateFabShip				
Date - Fabrication Received	Date Time				DateFabRecieved				
Date - Erection	Date Time				DateErected				
Date - Inspected	Date Time				DateInspected				
Finish	Character			A,B,C per ACI 117	Specify by face of concrete				

BIMForum LOD Specification 2018 Part II	_									
Highway Bridge Precast										
Baseline This work is licensed under the Creative Commons	Part 1 - Attribute Description					Part 2 - E	ilestones			
Additional Attribution-NonCommercial 4.0 International						Estimating	Estimating	LEED Cert.	LEED Cert	
Attribute	Data Type	Units - Imp.	Units - Metric	Option Examples	Commentary	Est. 1	Bid Pkg.	Check	Submittal	
Member Type	Text			(0) Foundation (1) Beam (2) Column (3) Slab (4) Wall						
Concrete Compression Strength		PSI			Example: 3000 PSI					
Reinforcing Steel Flexture		PSI			Example: 60,000 PSI					
Reinforcing Steel Shear		PSI			Example: 60,000 PSI					
Target LOD	Text			100, 200, 300, 350, 400						
Current LOD	Text			100, 200, 300, 350, 400						
Member Casting Number										
Exterior Exposure	Logical			T/F, 1/0						
Shop Submital Parameters										
Date - Issued For Construction	Date Time				DateIFC					
Date - Permited	Date Time				DatePermitted					
Date - recieved for Shop Detailing	Date Time				DateRecievedForShopDet					
Date - Detailing Submited for EOR review \ Out For Aproval	Date Time				DateOutForAproval					
Date - Final Erection Drawings Aproved for Fab	Date Time				DateFinalForFab					
Date - Fabrication Start	Date Time				DateFabStart					
Date - Fabrication End	Date Time				DateFabEnd					
Date - Fabrication Shipped	Date Time				DateFabShip					
Date - Fabrication Received	Date Time				DateFabRecieved					
Date - Erection	Date Time				DateErected					
Date - Inspected	Date Time				DateInspected					
Finish	Character			A,B,C per ACI 117	Specify by face of concrete					

BIMForum LOD Specification 2018 Part II	_										
Railroad Bridge Precast											
Baseline This work is licensed under the Creative Commons	Part 1 - Attribute Description					Part 2 - Example Project-Specific Milestones					
Additional Attribution-NonCommercial 4.0 International						Estimating Estimating LEED Cert. LEED Cert					
Attribute	Data Type	Units - Imp.	Units - Metric	Option Examples	Commentary	Est. 1	Bid Pkg.	Check	Submittal		
Member Type	Number			(0) Foundation (1) Beam (2) Column (3) Slab (4) Wall							
Concrete Compression Strength	Number	PSI			Example: 3000 PSI						
Reinforcing Steel Flexture	Number	PSI			Example: 60,000 PSI						
Reinforcing Steel Shear	Number	PSI			Example: 60,000 PSI						
Target LOD	Text			100, 200, 300, 350, 400							
Current LOD	Text			100, 200, 300, 350, 400							
Member Casting Number											
Exterior Exposure	Logical			T/F, 1/0							
Shop Submital Parameters											
Date - Issued For Construction	Date Time				DateIFC						
Date - Permited	Date Time				DatePermitted						
Date - recieved for Shop Detailing	Date Time				DateRecievedForShopDet						
Date - Detailing Submited for EOR review \ Out For Aproval (Date Time				DateOutForAproval						
Date - Final Erection Drawings Aproved for Fab	Date Time				DateFinalForFab						
Date - Fabrication Start	Date Time				DateFabStart						
Date - Fabrication End	Date Time				DateFabEnd						
Date - Fabrication Shipped	Date Time				DateFabShip						
Date - Fabrication Received	Date Time				DateFabRecieved			<u>-</u>			
Date - Erection	Date Time				DateErected						
Date - Inspected	Date Time				DateInspected			<u>-</u>			
Finish	Text			A,B,C per ACI 117	Specify by face of concrete						