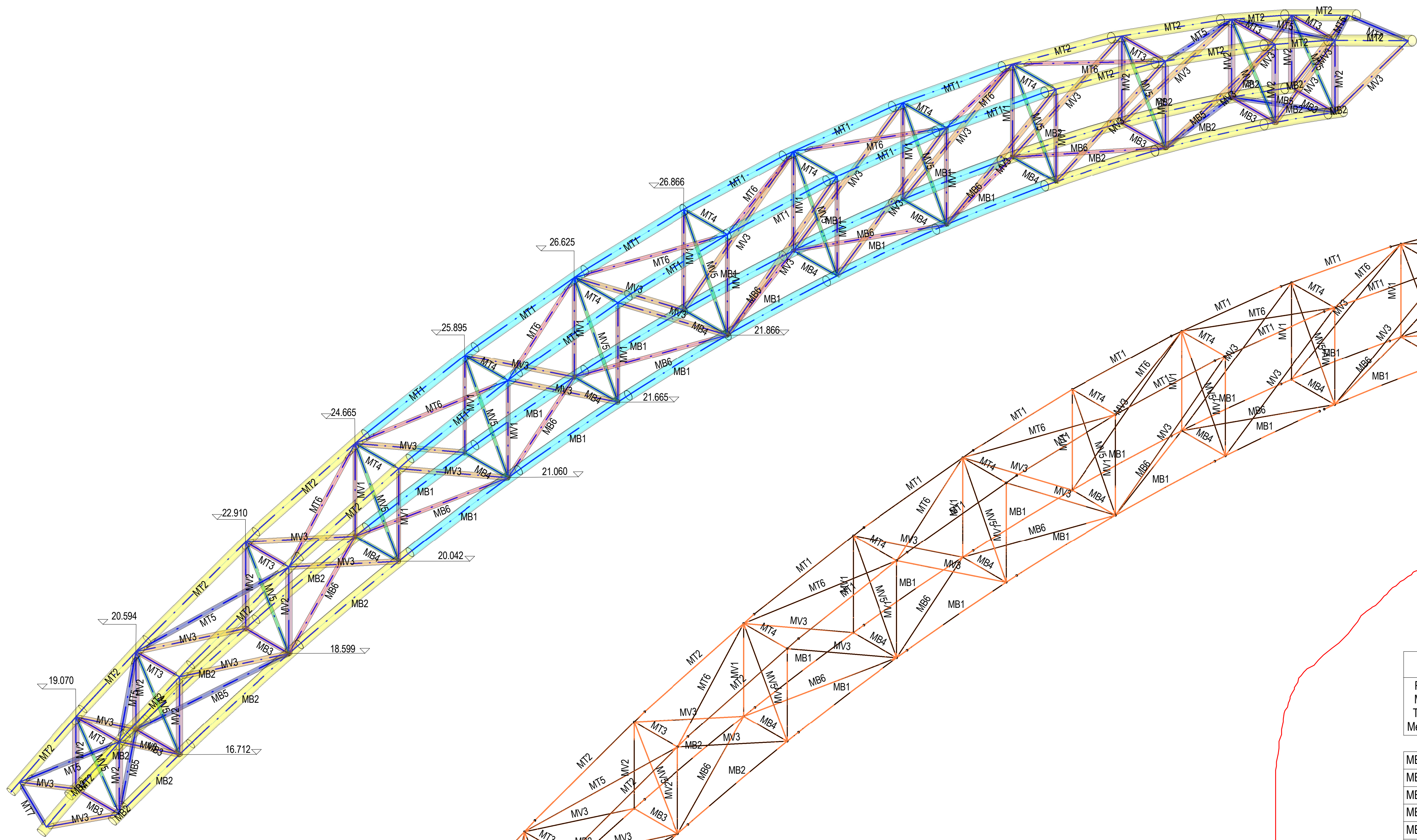
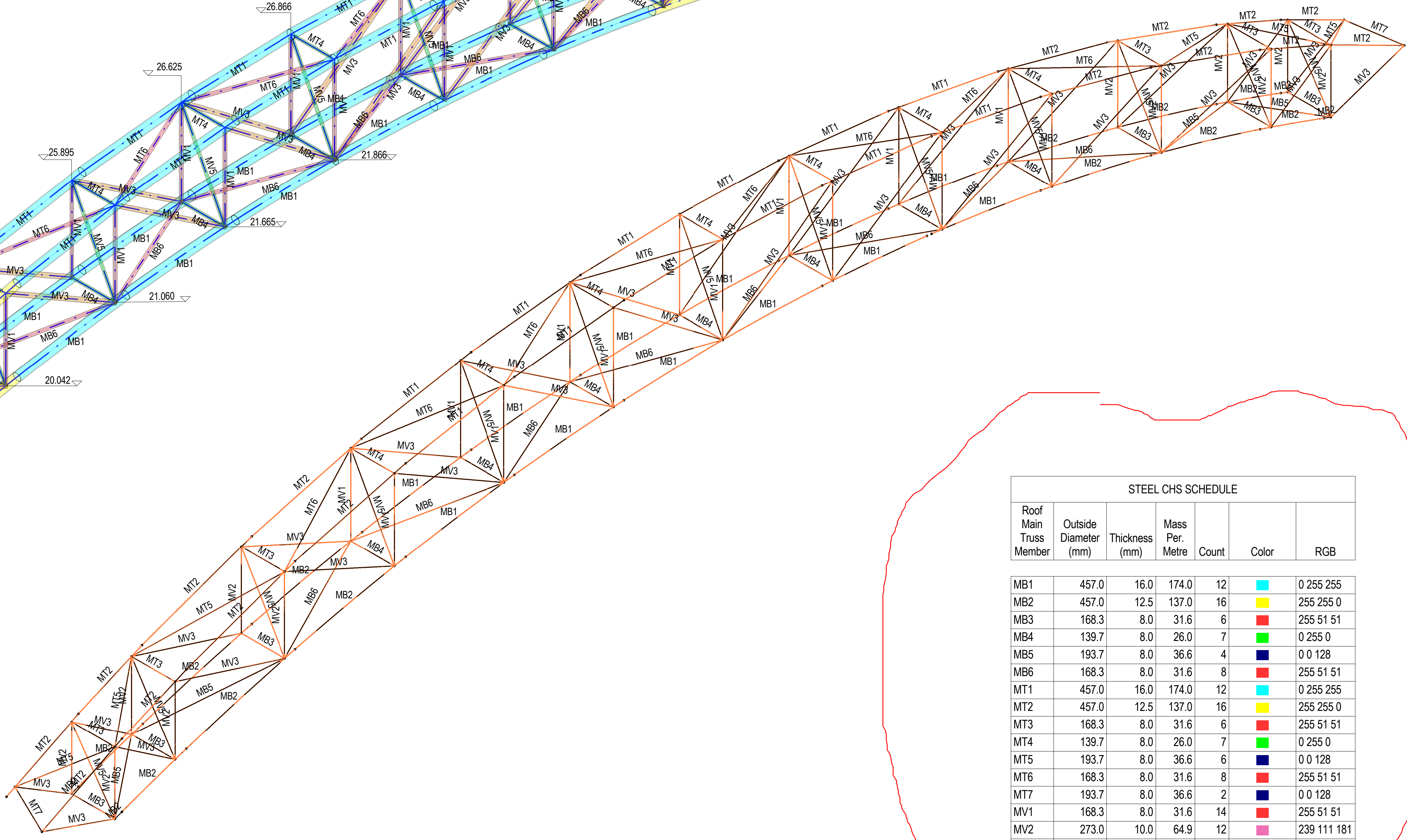


2 ISOMETRIC



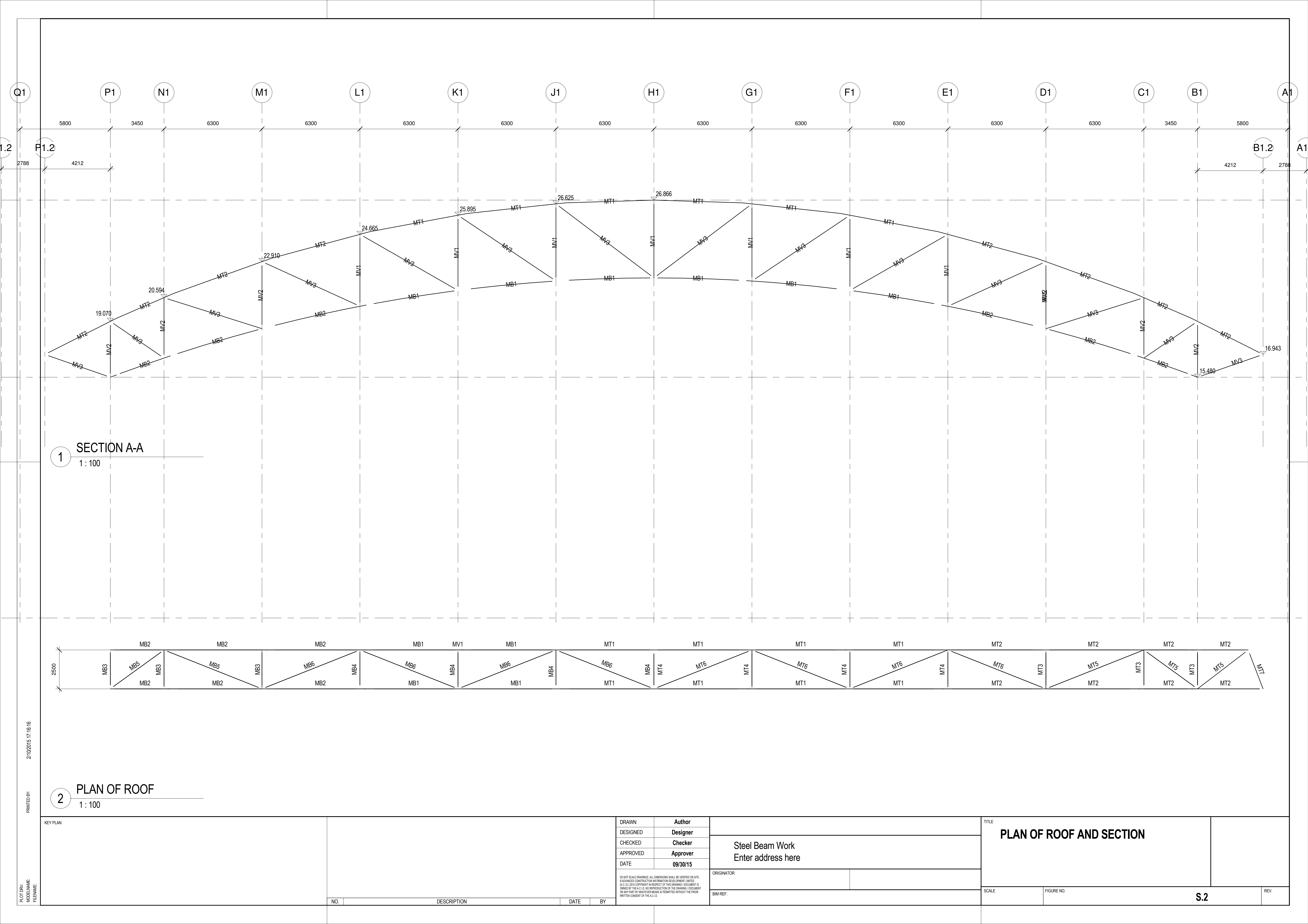
1 ANALYTICAL BEAM



STEEL CHS SCHEDULE						
Roof Main Truss Member	Outside Diameter (mm)	Thickness (mm)	Mass Per. Metre	Count	Color	RGB
MB1	457.0	16.0	174.0	12		0 255 255
MB2	457.0	12.5	137.0	16		255 255 0
MB3	168.3	8.0	31.6	6		255 51 51
MB4	139.7	8.0	26.0	7		0 255 0
MB5	193.7	8.0	36.6	4		0 0 128
MB6	168.3	8.0	31.6	8		255 51 51
MT1	457.0	16.0	174.0	12		0 255 255
MT2	457.0	12.5	137.0	16		255 255 0
MT3	168.3	8.0	31.6	6		255 51 51
MT4	139.7	8.0	26.0	7		0 255 0
MT5	193.7	8.0	36.6	6		0 0 128
MT6	168.3	8.0	31.6	8		255 51 51
MT7	193.7	8.0	36.6	2		0 0 128
MV1	168.3	8.0	31.6	14		255 51 51
MV2	273.0	10.0	64.9	12		239 111 181
MV3	219.1	10.0	51.6	28		255 128 0
MV5	139.7	8.0	26.0	13		0 255 0
Grand total: 177				177		

KEY PLAN		DRAWN Author		TITLE			
		DESIGNED Designer		ISOMETRIC AND ANALYTICAL BEAM DRAWING			
		CHECKED Checker					
		APPROVED Approver					
		DATE 09/25/15					
		ORIGINATOR		SCALE			
		BIM REF:					
NO.		DESCRIPTION		FIGURE NO.			
		DATE		S.1			
		BY		REV.			

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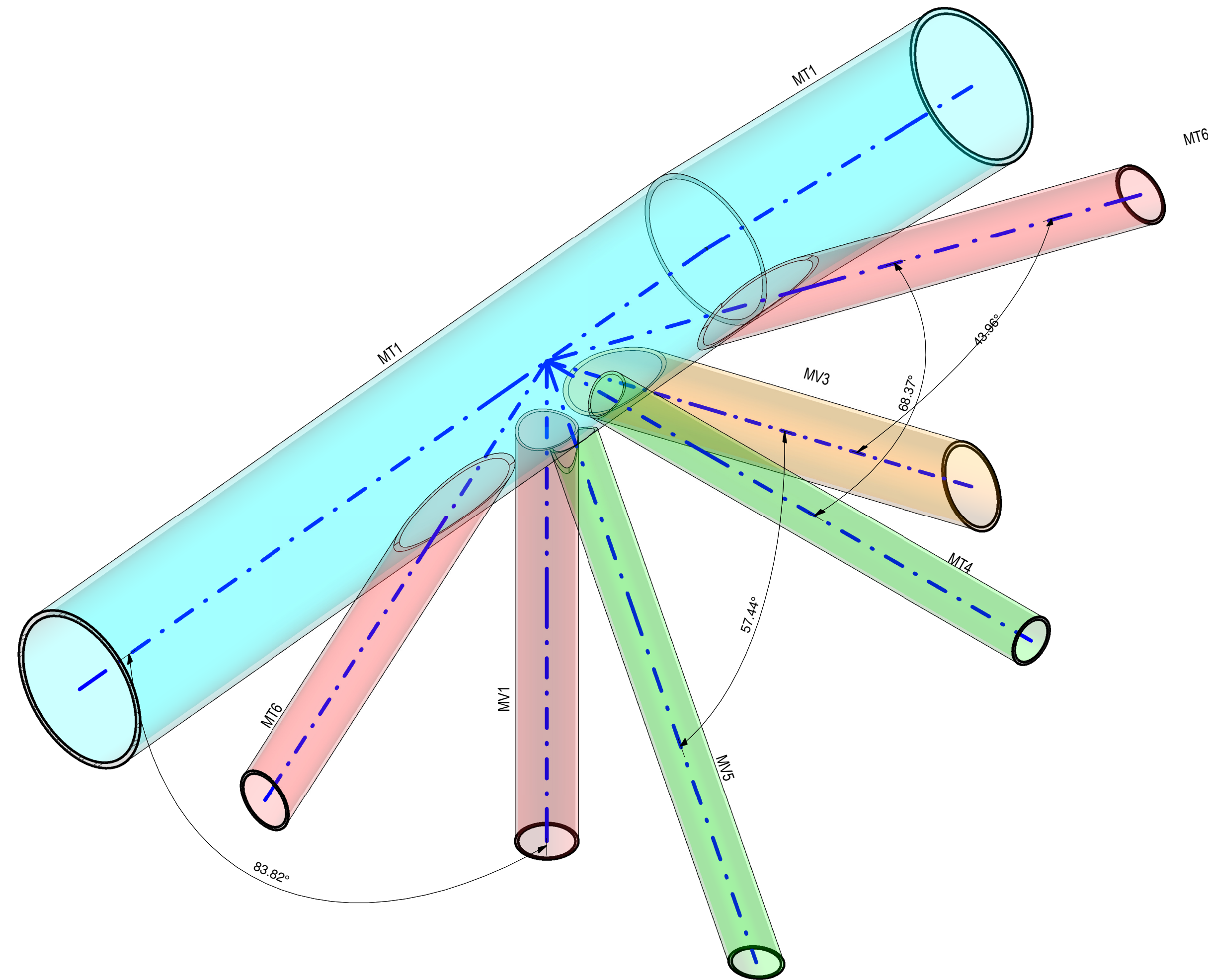
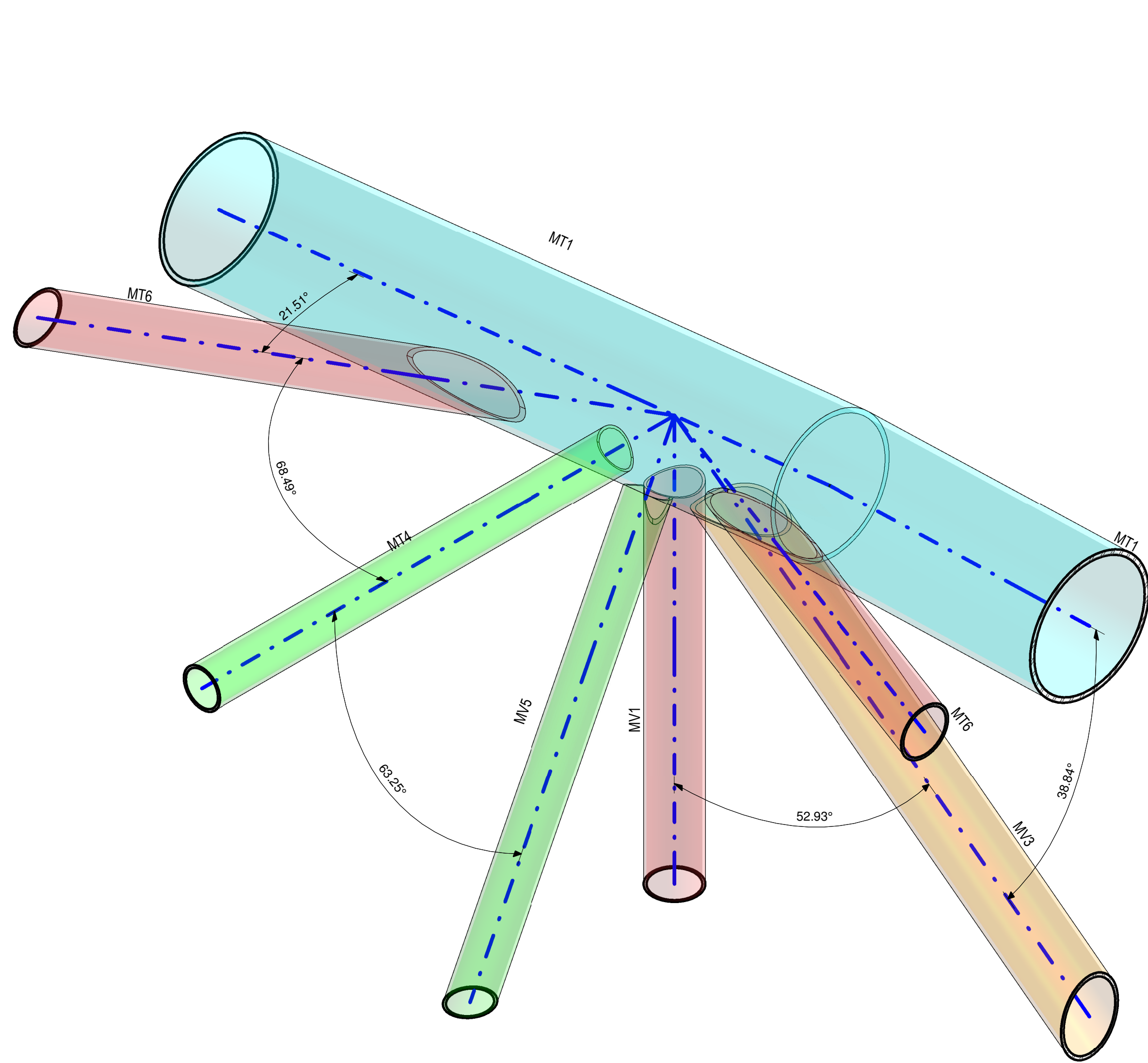
SECTION A-A

1 : 100

PLAN OF ROOF

1 : 100

KEY PLAN					DRAWN	Author	Steel Beam Work Enter address here		TITLE PLAN OF ROOF AND SECTION	
					DESIGNED	Designer				
					CHECKED	Checker				
					APPROVED	Approver				
					DATE	09/30/15	ORIGINATOR			
					DO NOT SCALE DRAWINGS. ALL DIMENSIONS SHALL BE VERIFIED ON SITE. © ADVANCED CONSTRUCTION INFORMATION DEVELOPMENT, LIMITED. ALL RIGHTS RESERVED. NO REPRODUCTION OF THIS DRAWING / DOCUMENT IS PERMITTED WITHOUT THE WRITTEN CONSENT OF THE A.C.I.O.					
NO.	DESCRIPTION	DATE	BY	BIM REF.		SCALE	FIGURE NO.	S.2	REV.	



1 3D DETAIL GRID J1 SE

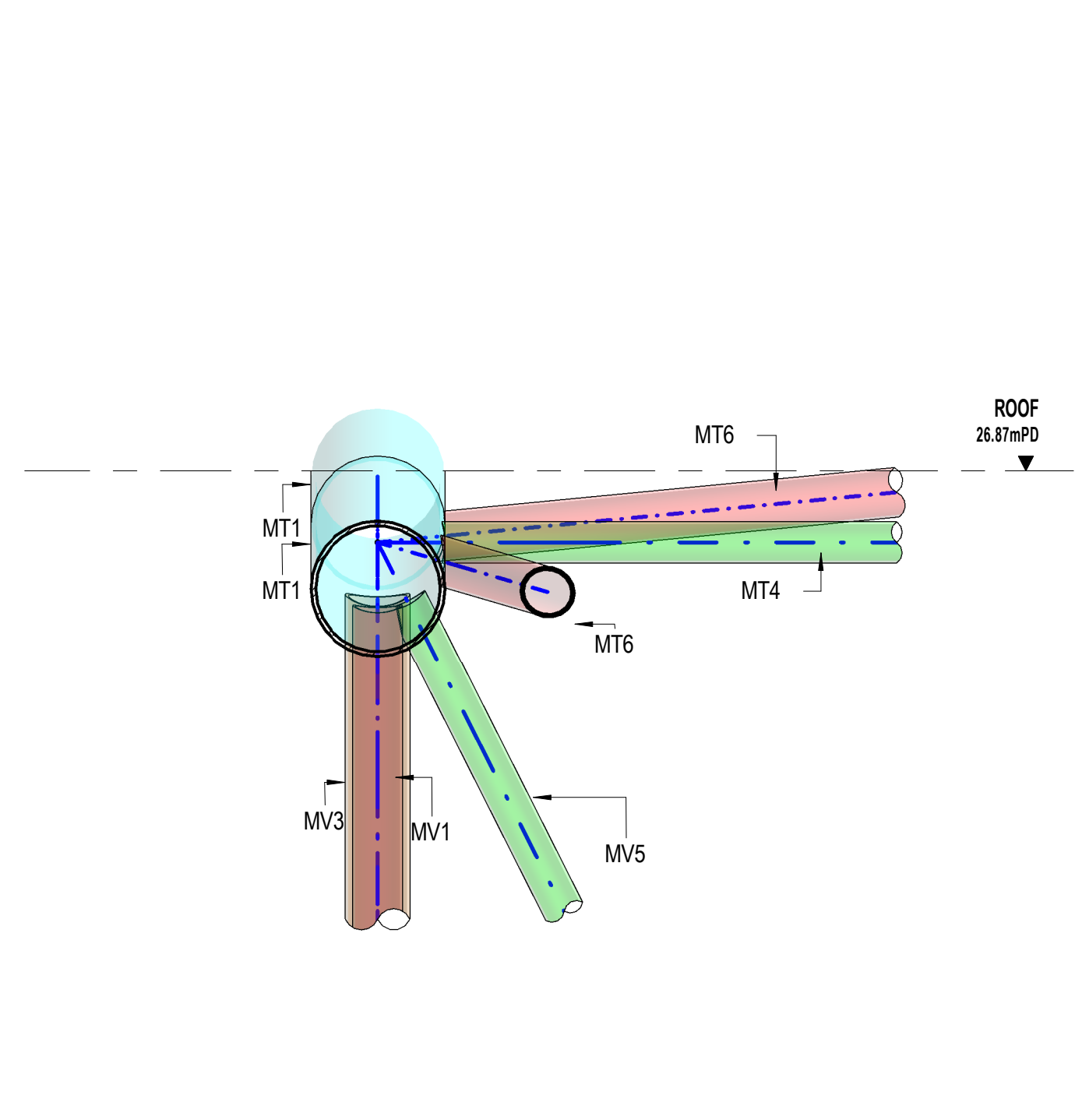
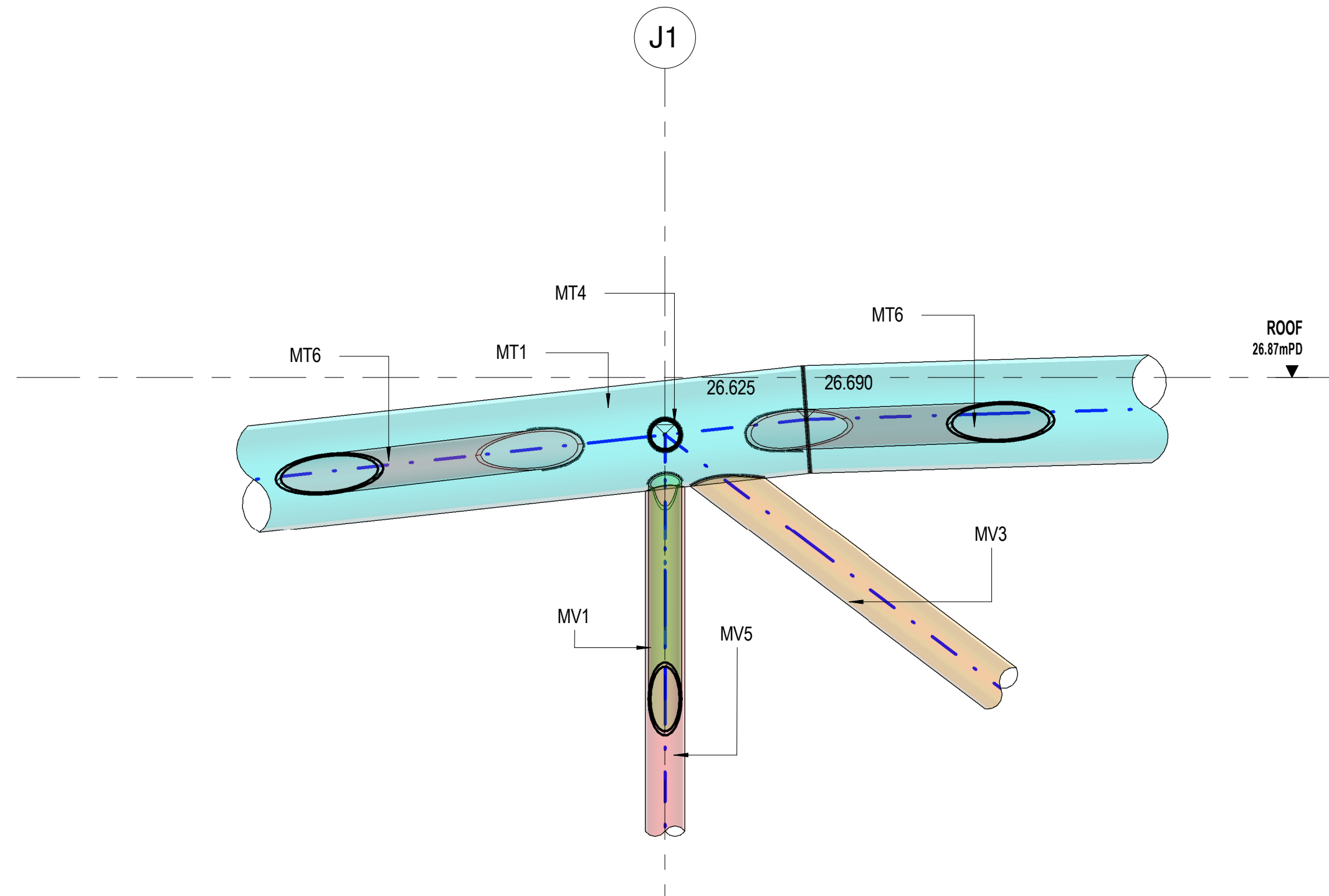
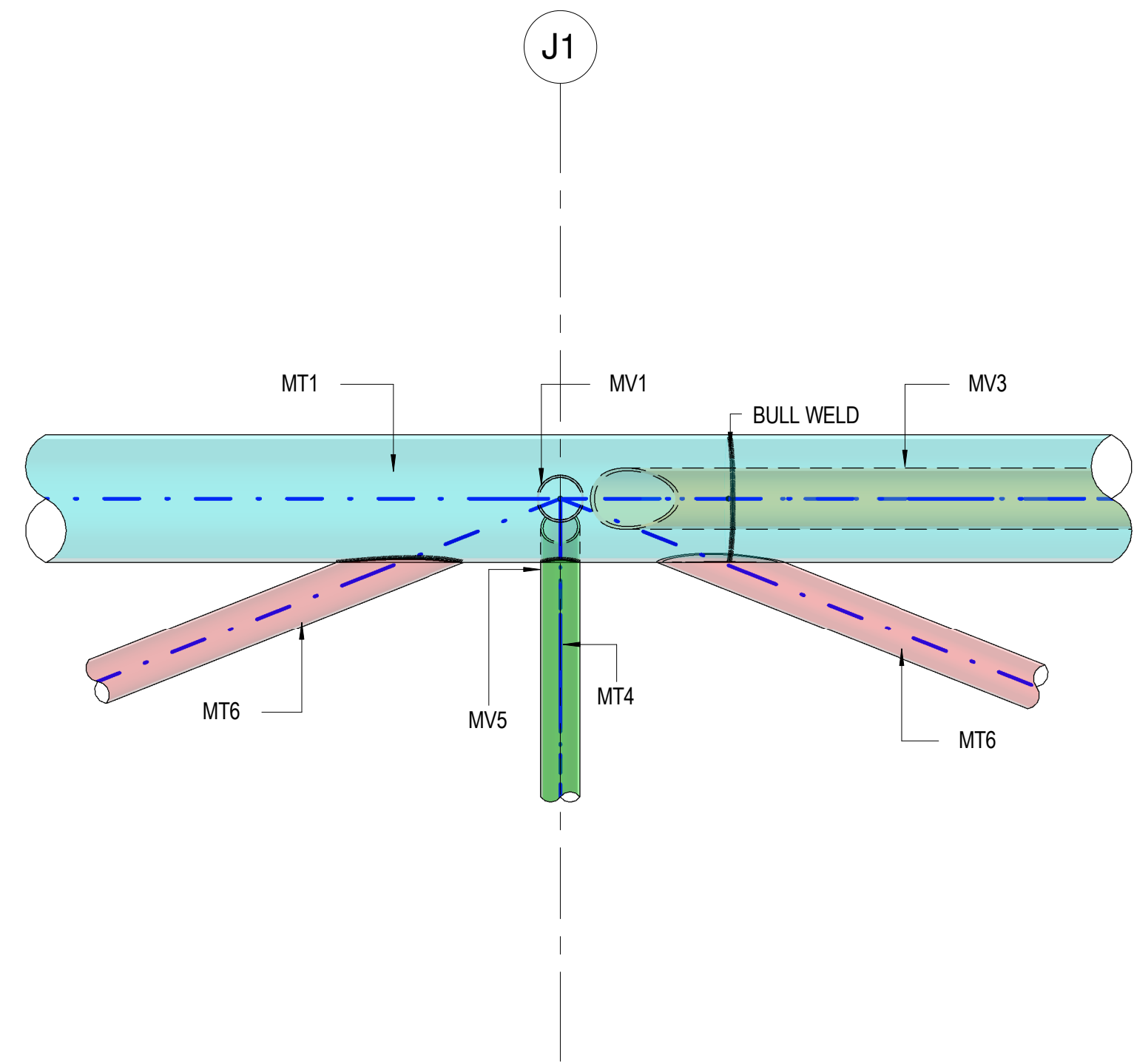
2 3D DETAIL GRID J1 SW

2/10/2015 17:16:17

PRINTED BY:

PROJECT:
ADDRESS:
FILENAME:

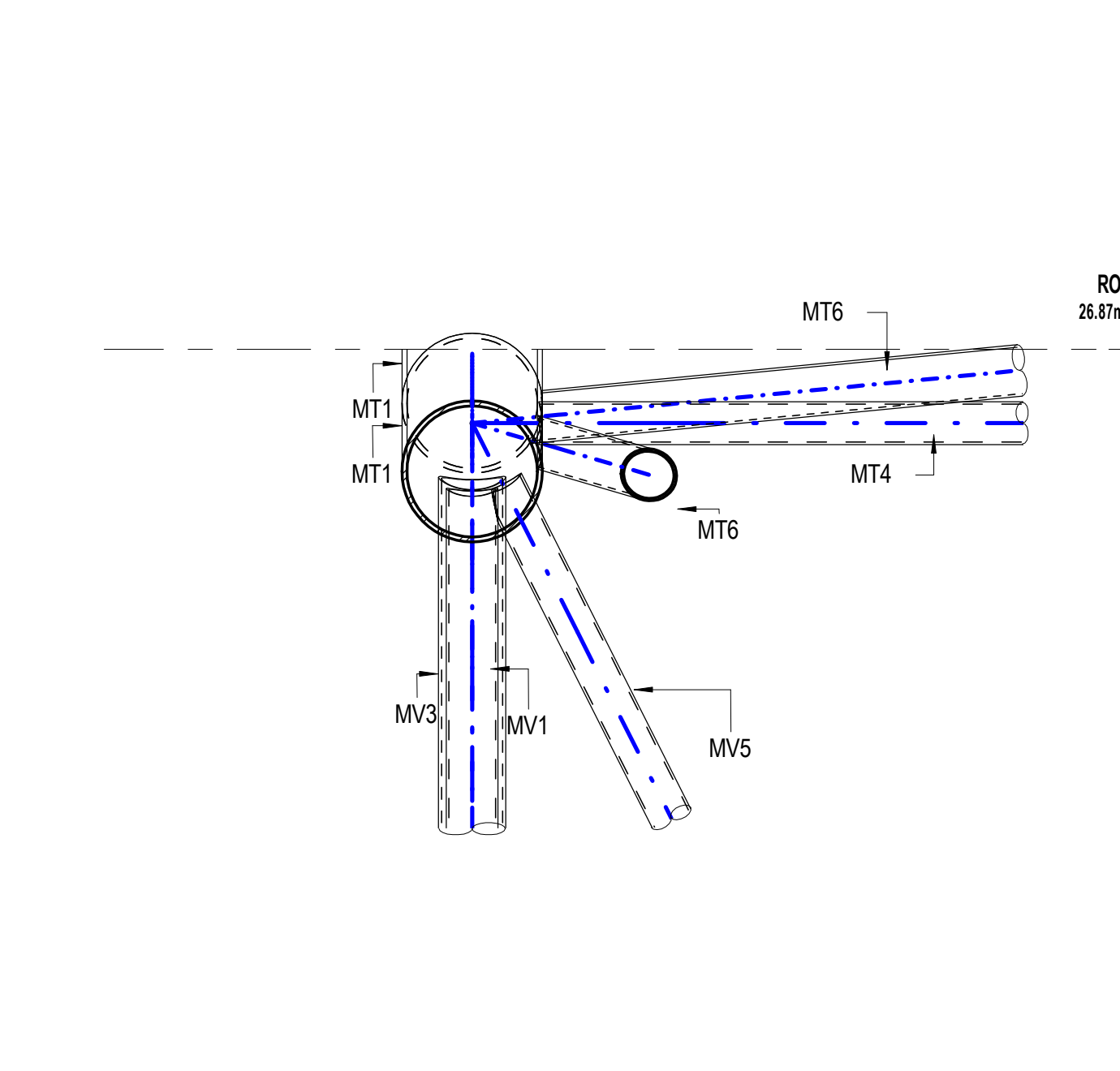
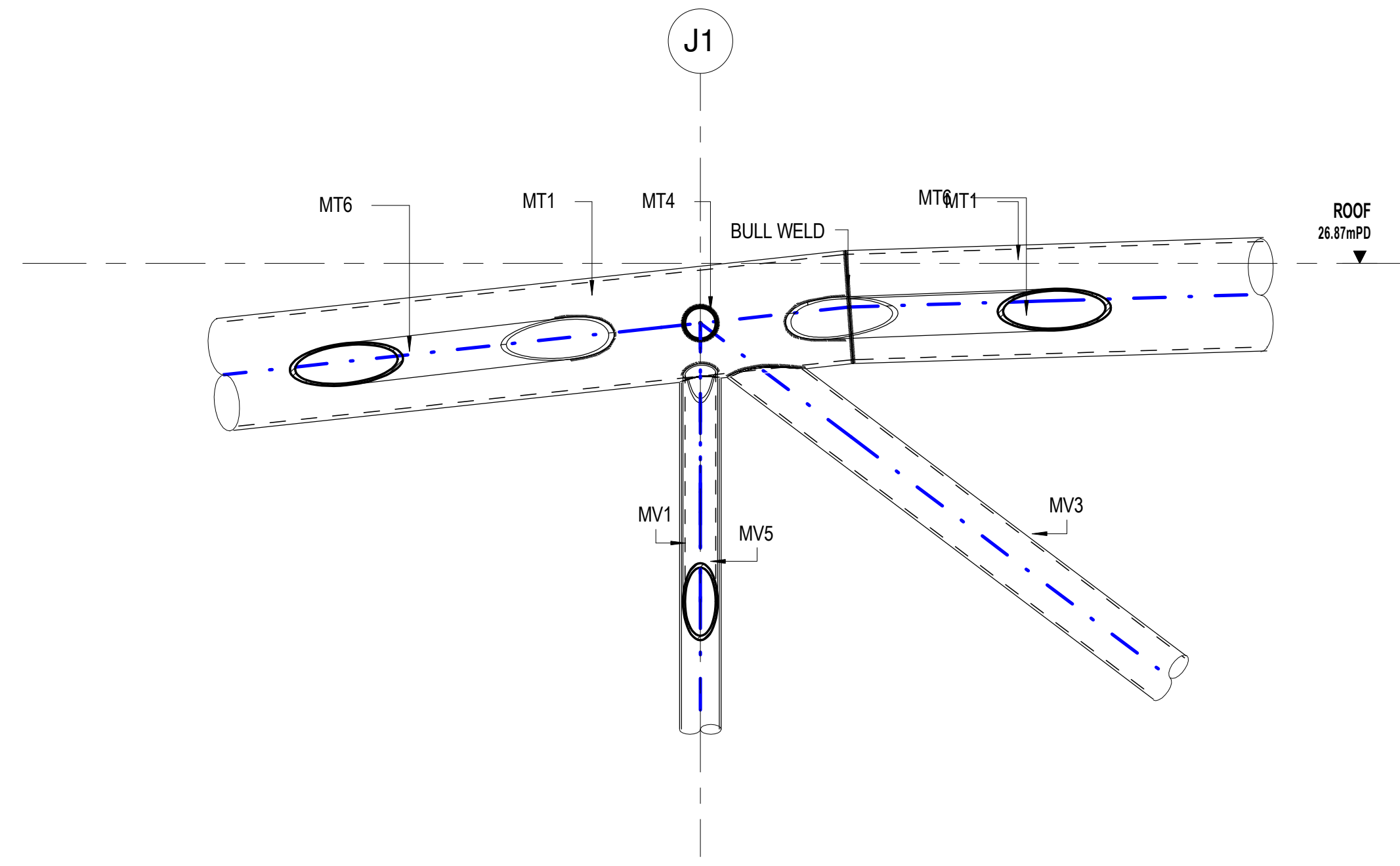
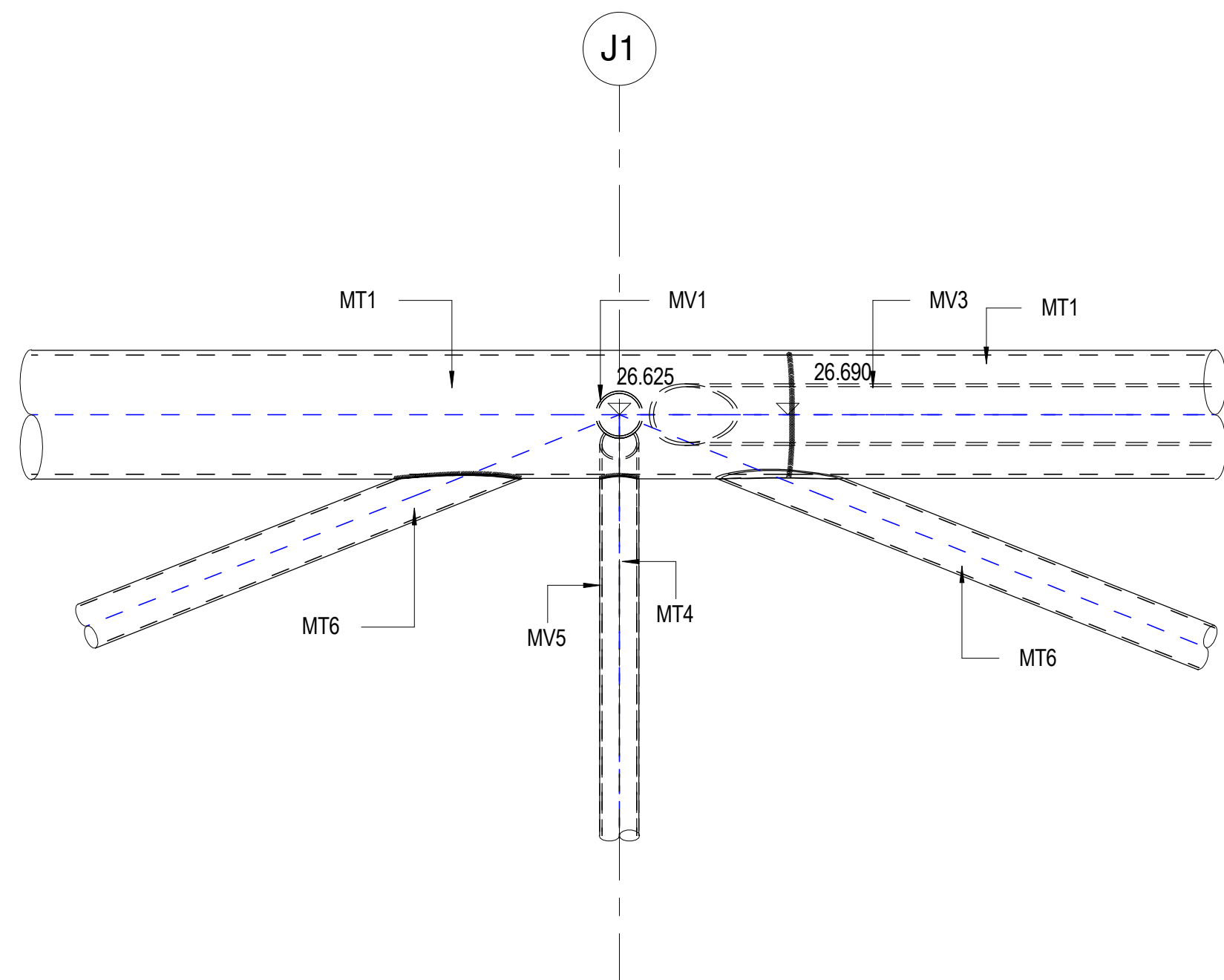
KEY PLAN					DRAWN	Author	Steel Beam Work Enter address here		DETAIL OF GRID J1						
					DESIGNED	Designer									
					CHECKED	Checker									
					APPROVED	Approver									
					DATE	09/25/15									
					DO NOT SCALE DRAWINGS. ALL DIMENSIONS SHALL BE VERIFIED ON SITE. (A) ADVANCED CONSTRUCTION INFORMATION DEVELOPMENT LIMITED (A.C.I.D.) 2014. COPYRIGHT IN RESPECT OF THIS DRAWING DOCUMENT IS OWNED BY THE A.C.I.D. NO REPRODUCTION OF THE DRAWING DOCUMENT OR ANY PART BY WHATEVER MEANS IS PERMITTED WITHOUT THE PRIOR WRITTEN CONSENT OF THE A.C.I.D.				ORIGINATOR		SCALE		FIGURE NO. S.3		REV.
									BIM REF.						
NO.	DESCRIPTION	DATE	BY												



6 TOP PLAN OF ROOF COLOR
1 : 20

4 SECTION A-A COLOR
1 : 20

2 LEFT COLOR
1 : 20



5 TOP PLAN OF ROOF BLACK AND WHITE
1 : 20

3 SECTION A-A BLACK AND WHITE
1 : 20

1 LEFT BLACK AND WHITE
1 : 20

2/10/2015 17:16:19

PRINTED BY:

PROJECT NAME:
PROJECT NUMBER:
PROJECT LOCATION:

KEY PLAN					DRAWN	Author	Steel Beam Work Enter address here		TITLE CHS DETAIL			
					DESIGNED	Designer						
					CHECKED	Checker						
					APPROVED	Approver						
					DATE	09/29/15						
					DO NOT SCALE DRAWINGS. ALL DIMENSIONS SHALL BE VERIFIED ON SITE. © ADVANCED CONSTRUCTION INFORMATION DEVELOPMENT, LIMITED A.C.I.D. 2014. COPYRIGHT IN RESPECT OF THIS DRAWING / DOCUMENT IS OWNED BY THE A.C.I.D. NO REPRODUCTION OF THE DRAWING / DOCUMENT OR ANY PART BY WHATEVER MEANS IS PERMITTED WITHOUT THE PRIOR WRITTEN CONSENT OF THE A.C.I.D.		ORIGINATOR					
NO.	DESCRIPTION	DATE	BY	BIM REF.	SCALE	FIGURE NO.	S.4	REV.				

STEEL CHS COST SCHEDULE							
Roof Main Truss Member	Outside Diameter (mm)	Thickness (mm)	Mass Per. Metre	Length (mm)	Count	Unit Cost (per metre run)	Steel Cost

MB1							
MB1	457.0	16.0	174.0	5703	1	HK\$101.00	HK\$576.02
MB1	457.0	16.0	174.0	6328	1	HK\$101.00	HK\$639.10
MB1	457.0	16.0	174.0	6327	1	HK\$101.00	HK\$638.98
MB1	457.0	16.0	174.0	5703	1	HK\$101.00	HK\$576.02
MB1	457.0	16.0	174.0	6328	1	HK\$101.00	HK\$639.10
MB1	457.0	16.0	174.0	6327	1	HK\$101.00	HK\$638.98
MB1	457.0	16.0	174.0	5703	1	HK\$101.00	HK\$576.02
MB1	457.0	16.0	174.0	6328	1	HK\$101.00	HK\$639.10
MB1	457.0	16.0	174.0	6327	1	HK\$101.00	HK\$638.98
					73161	12	HK\$7,389.29

MB2							
MB2	457.0	12.5	137.0	6504	1	HK\$101.00	HK\$656.90
MB2	457.0	12.5	137.0	6523	1	HK\$101.00	HK\$658.87
MB2	457.0	12.5	137.0	3911	1	HK\$101.00	HK\$394.98
MB2	457.0	12.5	137.0	427	1	HK\$101.00	HK\$43.16
MB2	457.0	12.5	137.0	6504	1	HK\$101.00	HK\$656.90
MB2	457.0	12.5	137.0	6523	1	HK\$101.00	HK\$658.87
MB2	457.0	12.5	137.0	3911	1	HK\$101.00	HK\$394.98
MB2	457.0	12.5	137.0	427	1	HK\$101.00	HK\$43.16
MB2	457.0	12.5	137.0	6504	1	HK\$101.00	HK\$656.90
MB2	457.0	12.5	137.0	6523	1	HK\$101.00	HK\$658.87
MB2	457.0	12.5	137.0	3911	1	HK\$101.00	HK\$394.98
MB2	457.0	12.5	137.0	427	1	HK\$101.00	HK\$43.16
					69462	16	HK\$7,015.62

MB3							
MB3	168.3	8.0	31.6	2500	1	HK\$35.00	HK\$87.50
MB3	168.3	8.0	31.6	2500	1	HK\$35.00	HK\$87.50
MB3	168.3	8.0	31.6	2500	1	HK\$35.00	HK\$87.50
MB3	168.3	8.0	31.6	2500	1	HK\$35.00	HK\$87.50
MB3	168.3	8.0	31.6	2500	1	HK\$35.00	HK\$87.50
					15000	6	HK\$525.00

MB4							
MB4	139.7	8.0	26.0	2500	1	HK\$25.00	HK\$62.50
MB4	139.7	8.0	26.0	2500	1	HK\$25.00	HK\$62.50
MB4	139.7	8.0	26.0	2500	1	HK\$25.00	HK\$62.50
MB4	139.7	8.0	26.0	2500	1	HK\$25.00	HK\$62.50
MB4	139.7	8.0	26.0	2500	1	HK\$25.00	HK\$62.50
MB4	139.7	8.0	26.0	2500	1	HK\$25.00	HK\$62.50
					17500	7	HK\$437.50

MB5							
MB5	193.7	8.0	36.6	4435	1	HK\$50.00	HK\$221.76
MB5	193.7	8.0	36.6	7036	1	HK\$50.00	HK\$351.79
MB5	193.7	8.0	36.6	4435	1	HK\$50.00	HK\$221.75
MB5	193.7	8.0	36.6	7036	1	HK\$50.00	HK\$351.79
					22942	4	HK\$1,147.08

MB6							
MB6	168.3	8.0	31.6	6781	1	HK\$35.00	HK\$237.33
MB6	168.3	8.0	31.6	6805	1	HK\$35.00	HK\$238.17
MB6	168.3	8.0	31.6	6854	1	HK\$35.00	HK\$239.89
MB6	168.3	8.0	31.6	6930	1	HK\$35.00	HK\$242.54
MB6	168.3	8.0	31.6	6781	1	HK\$35.00	HK\$237.33
MB6	168.3	8.0	31.6	6805	1	HK\$35.00	HK\$238.17
MB6	168.3	8.0	31.6	6854	1	HK\$35.00	HK\$239.89
MB6	168.3	8.0	31.6	6930	1	HK\$35.00	HK\$242.54
					54739	8	HK\$1,915.86

STEEL CHS COST SCHEDULE							
Roof Main Truss Member	Outside Diameter (mm)	Thickness (mm)	Mass Per. Metre	Length (mm)	Count	Unit Cost (per metre run)	Steel Cost

MT1							
MT1	457.0	16.0	174.0	6410	1	HK\$101.00	HK\$647.37
MT1	457.0	16.0	174.0	6330	1	HK\$101.00	HK\$639.38
MT1	457.0	16.0	174.0	5703	1	HK\$101.00	HK\$575.97
MT1	457.0	16.0	174.0	6366	1	HK\$101.00	HK\$643.01
MT1	457.0	16.0	174.0	6330	1	HK\$101.00	HK\$639.37
MT1	457.0	16.0	174.0	5703	1	HK\$101.00	HK\$575.97
MT1	457.0	16.0	174.0	6416	1	HK\$101.00	HK\$648.02
MT1	457.0	16.0	174.0	6330	1	HK\$101.00	HK\$639.38
MT1	457.0	16.0	174.0	5703	1	HK\$101.00	HK\$575.97
MT1	457.0	16.0	174.0	6366	1	HK\$101.00	HK\$643.01
MT1	457.0	16.0	174.0	6330	1	HK\$101.00	HK\$639.37
MT1	457.0	16.0	174.0	5703	1	HK\$101.00	HK\$575.97
					73691	12	HK\$7,442.82

MT2							
MT2	457.0	12.5	137.0	4631	1	HK\$101.00	HK\$467.72
MT2	457.0	12.5	137.0	3979	1	HK\$101.00	HK\$401.91
MT2	457.0	12.5	137.0	6526	1	HK\$101.00	HK\$659.09
MT2	457.0	12.5	137.0	6696	1	HK\$101.00	HK\$676.28
MT2	457.0	12.5	137.0	5166	1	HK\$101.00	HK\$521.75
MT2	457.0	12.5	137.0	4023	1	HK\$101.00	HK\$406.36
MT2	457.0	12.5	137.0	6575	1	HK\$101.00	HK\$664.11
MT2	457.0	12.5	137.0	6653	1	HK\$101.00	HK\$671.94
MT2	457.0	12.5	137.0	4086	1	HK\$101.00	HK\$412.73
MT2	457.0	12.5	137.0	4023	1	HK\$101.00	HK\$406.36
MT2	457.0	12.5	137.0	6526	1	HK\$101.00	HK\$659.09
MT2	457.0	12.5	137.0	6653	1	HK\$101.00	HK\$671.94
MT2	457.0	12.5	137.0	5166	1	HK\$101.00	HK\$521.75
MT2	457.0	12.5	137.0	4023	1	HK\$101.00	HK\$406.36
MT2	457.0	12.5	137.0	6575	1	HK\$101.00	HK\$664.11
MT2	457.0	12.5	137.0	6653	1	HK\$101.00	HK\$671.94
					87954	16	HK\$8,883.40

MT3							
MT3	168.3	8.0	31.6	2500	1	HK\$35.00	HK\$87.50
MT3	168.3	8.0	31.6	2500	1	HK\$35.00	HK\$87.50
MT3	168.3	8.0	31.6	2500	1	HK\$35.00	HK\$87.50
MT3	168.3	8.0	31.6	2500	1	HK\$35.00	HK\$87.50
MT3	168.3	8.0	31.6	2500	1	HK\$35.00	HK\$87.50
MT3	168.3	8.0	31.6	2500	1	HK\$35.00	HK\$87.50
					15000	6	HK\$525.00

MT4							
MT4	139.7	8.0	26.0	2500	1	HK\$25.00	HK\$62.50
MT4	139.7	8.0	26.0	2500	1	HK\$25.00	HK\$62.50
MT4	139.7	8.0	26.0	2500	1	HK\$25.00	HK\$62.50
MT4	139.7	8.0	26.0	2500	1	HK\$25.00	HK\$62.50
MT4	139.7	8.0	26.0	2500	1	HK\$25.00	HK\$62.50
MT4	139.7	8.0	26.0	2500	1	HK\$25.00	HK\$62.50
					17500	7	HK\$437.50

MT5							
MT5	193.7	8.0	36.6	4415	1	HK\$50.00	HK\$220.76
MT5	193.7	8.0	36.6	4525	1	HK\$50.00	HK\$226.25
MT5	193.7	8.0	36.6	7163	1	HK\$50.00	HK\$358.13
MT5	193.7	8.0	36.6	4415	1	HK\$50.00	HK\$220.76
MT5	193.7	8.0	36.6	4525	1	HK\$50.00	HK\$226.25
MT5	193.7	8.0	36.6	7163	1	HK\$50.00	HK\$358.13
					32206	6	HK\$1,610.28

MT6							
MT6	168.3	8.0	31.6	7001	1	HK\$35.00	HK\$245.05
MT6	168.3	8.0	31.6	6889	1	HK\$35.00	HK\$241.10
MT6	168.3	8.0	31.6	6817	1	HK\$35.00	HK\$238.60
MT6	168.3	8.0	31.6	6782	1	HK\$35.00	HK\$237.38
MT6	168.3	8.0	31.6	7001	1	HK\$35.00	HK\$245.05
MT6	168.3	8.0	31.6	6889	1	HK\$35.00	HK\$241.10

STEEL CHS COST SCHEDULE							
Roof Main Truss Member	Outside Diameter (mm)	Thickness (mm)	Mass Per. Metre	Length (mm)	Count	Unit Cost (per metre run)	Steel Cost

MT6	168.3	8.0	31.6	6817	1	HK\$35.00	HK\$238.60
MT6	168.3	8.0	31.6	6782	1	HK\$35.00	HK\$237.38
					54979	8	HK\$1,924.25

MT7							
MT7	193.7	8.0	36.6	2723	1	HK\$50.00	HK\$136.16
MT7	193.7	8.0	36.6	2723	1	HK\$50.00	HK\$136.16
					5446	2	HK\$272.31

MV1							
MV1	168.3	8.0	31.6	4623	1	HK\$35.00	HK\$161.80
MV1	168.3	8.0	31.6	4835	1	HK\$35.00	HK\$169.21
MV1	168.3	8.0	31.6	4960	1	HK\$35.00	HK\$173.60
MV1	168.3	8.0	31.6	5000	1	HK\$35.00	HK\$175.00
MV1	168.3	8.0	31.6	4623	1	HK\$35.00	HK\$161.80
MV1	168.3	8.0	31.6	4835	1	HK\$35.00	HK\$169.21
MV1	168.3	8.0	31.6	4960	1	HK\$35.00	HK\$173.60
MV1	168.3	8.0	31.6	5000	1	HK\$35.00	HK\$175.00
MV1	168.3	8.0	31.6	4623	1	HK\$35.00	HK\$161.80
MV1	168.3	8.0	31.6	4835	1	HK\$35.00	HK\$169.21
MV1	168.3	8.0	31.6	4960	1	HK\$35.00	HK\$173.60
MV1	168.3	8.0	31.6	5000	1	HK\$35.00	HK\$175.00
MV1	168.3	8.0	31.6	4623	1	HK\$35.00	HK\$161.80
MV1	168.3	8.0	31.6	4835	1	HK\$35.00	HK\$169.21
MV1	168.3	8.0	31.6	4960	1	HK\$35.00	HK\$173.60
MV1	168.3	8.0	31.6	4835	1	HK\$35.00	HK\$169.21
MV1	168.3	8.0	31.6	4623	1	HK\$35.00	HK\$173.60
				67671	14	HK\$2,368.48	