


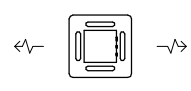
GENERAL NOTES

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- THE DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE LATEST STATUTORY OBLIGATIONS, REGULATIONS, SPECIFICATION, CODES OF PRACTICE, ARCHITECTURAL, STRUCTURAL AND E&M DRAWINGS.
- AIR DUCT CLEANING POINTS SHALL BE PROVIDED FOR ALL TYPES OF AIR DUCTS, INCLUDING SUPPLY, RETURN, EXHAUST AND TRANSFER DUCTS. AIR DUCT CLEANING POINTS SHALL BE AT APPROX. 4m APART, BUT WITH AT LEAST ONE POINT AT EACH MAIN OR BRANCH DUCT UNDER ALL CIRCUMSTANCES.
- ALL FINAL FRESH AIR DUCT CONNECTED TO VRV/DX INDOOR UNITS SHALL NOT BE LESS THAN 150x150mm U.O.S.
- ALL CONDENSATE DRAIN PIPE TO BE INSULATED PIPES OF THE APPROPRIATE SIZES. THE INSULATION SHALL BE IN FULL COMPLIANCE WITH THE CODE OF PRACTICE FOR ENERGY EFFICIENCY OF BUILDING SERVICES INSTALLATION 2018 EDITION AND SUBMIT TO THE SUPERVISING OFFICER FOR APPROVAL.
- THE THERMOSTATS FOR VRV/DX INDOOR UNITS SHALL BE INSTALLED CLOSE TO THEIR CORRESPONDING AIR RETURN LOCATION. EXACT LOCATIONS SHALL BE PROPOSED BY THE AC SUB-CONTRACTOR AND APPROVED BY THE SUPERVISING OFFICER.
- THE DESIGN, SIZING AND PERFORMANCE OF THE AIR DIFFUSERS/ LOUVRES SHALL BE CAPABLE OF HANDLING AT LEAST THE FLOW RATES AS INDICATED WITH THE BEST PERFORMANCE AND WITH NO PERCEPTIBLE NOISE OR VIBRATION. THIS SUB-CONTRACTOR SHALL NOTE THIS AND SIZE THE DIFFUSERS TO SATISFACTORILY HANDLE THE REQUIRED AIR FLOW RANGES.
- THE EXTERNAL STATIC PRESSURE FOR EACH VRV INDOOR UNIT SHALL BE ADEQUATE TO CATER FOR THE LENGTH OF AIR DUCT AND SIZE/SHAPE OF DIFFUSERS/GRILLES, SO AS TO PROVIDE THE BEST PERFORMANCE WITH NO PERCEPTIBLE OR VIBRATION.
- ALL AIR DUCTS TO BE COMPLETE WITH VCD AT EACH BRANCH OFF AND TURNING VANES AT EACH BEND.
- ALL LABELS ON CONTROL/INDICATION PANELS ETC. SHALL BE IN BOTH ENGLISH AND THE EQUIVALENT CHINESE.
- ALL LINEAR AIR DIFFUSER/GRILLE C/W INSULATED AIR PLENUM SHALL BE PRICED IN NUMBER OF THE SIZE AS SHOWN AND THE DIFFUSER/GRILLE & INSULATED AIR PLENUM SHALL BE PROPRIETARY MADE.
- ALL DIFFUSER/GRILLES/REGISTERS SHALL BE CONSTRUCTED BY ALUMINUM, U.O.S. ALL DUMMY DIFFUSER/GRILLE SHALL BE C/W ALUMINUM COVERING PLATE WITH EPOXY COATED.
- ALL FRESH AIR INTAKE LOUVER PROVIDED BY BUILDER'S WORK SHALL BE WEATHERPROOF TYPE C/W ALUMINIUM WASHABLE FILTER REFERRING ARCHITECTURAL DRAWINGS. ALL EXTERNAL LOUVER FOR EXHAUST/INTAKE AIR SHALL BE WEATHERPROOF TYPE AND SHALL BE INCLUDED IN BUILDING WORKS OF THE MAIN CONTRACT.
- ALL INTAKE/ EXHAUST EXTERNAL LOUVRES SHALL BE C/W 10MM GALVANISED MESH BIRDWIRES BY THE AC SUB-CONTRACTOR.
- ALL MOUNTING BRACKET / SUPPORTS SHALL BE HOT DIP GALVANISED TO BS EN ISO 1461.
- THE MINIMUM SIZE OF THE CONTROL CABLE SHALL BE 1.5 sq mm AND LSOH TYPE.
- U.O.S., ALL M.C.B./M.C.C.B. BOARDS/ISOLATOR FOR ACMV EQUIPMENT ARE LOCATED ADJACENT TO THE EQUIPMENT SHALL BE INCLUDED IN ELECTRICAL WORK BUT THE WIRING WORK FOR THE CONNECTION TO THE ACMV EQUIPMENT SHALL BE INCLUDED IN ACMV WORK.
- ALL CABLES CONNECTED TO OUTDOOR EQUIPMENT TO BE 4/C XLPE/SW/LSOH CABLES.


LEGEND



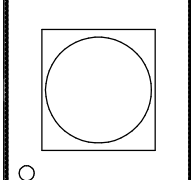
EXHAUST AIR FAN (EAF)



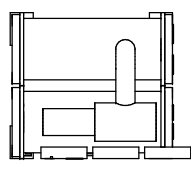
CEILING MOUNTED CASSETTE TYPE CHILLED WATER FAN COIL UNIT (FCU)




FAN COIL UNIT (FCU)




500RT COOLING TOWER




500RT COOLING TOWER




WATER PUMP




WATER METER




WALL MOUNT EXHAUST PROPELLER FAN




A/C SWITCHBOARD FOR CHILLER PLANT




CENTRIFUGAL PUMP SET




PIPE FLEX CONNECTOR




FLOW SWITCH




PRESSURE GAUGE




GATE VALVE




MOTORIZED BUTTERFLY VALVE




BALANCING VALVE



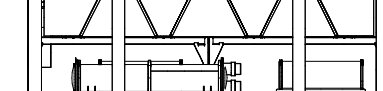
PRESSURE GAUGE WITH GATE VALVE



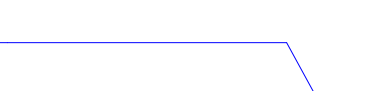
LINEAR AIR DIFFUSER



LINEAR 4 WAY DIFFUSER







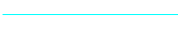


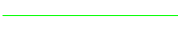
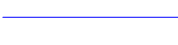
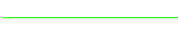




AIR COOLED CHILLER (CH-1)



AIR COOLED CHILLER

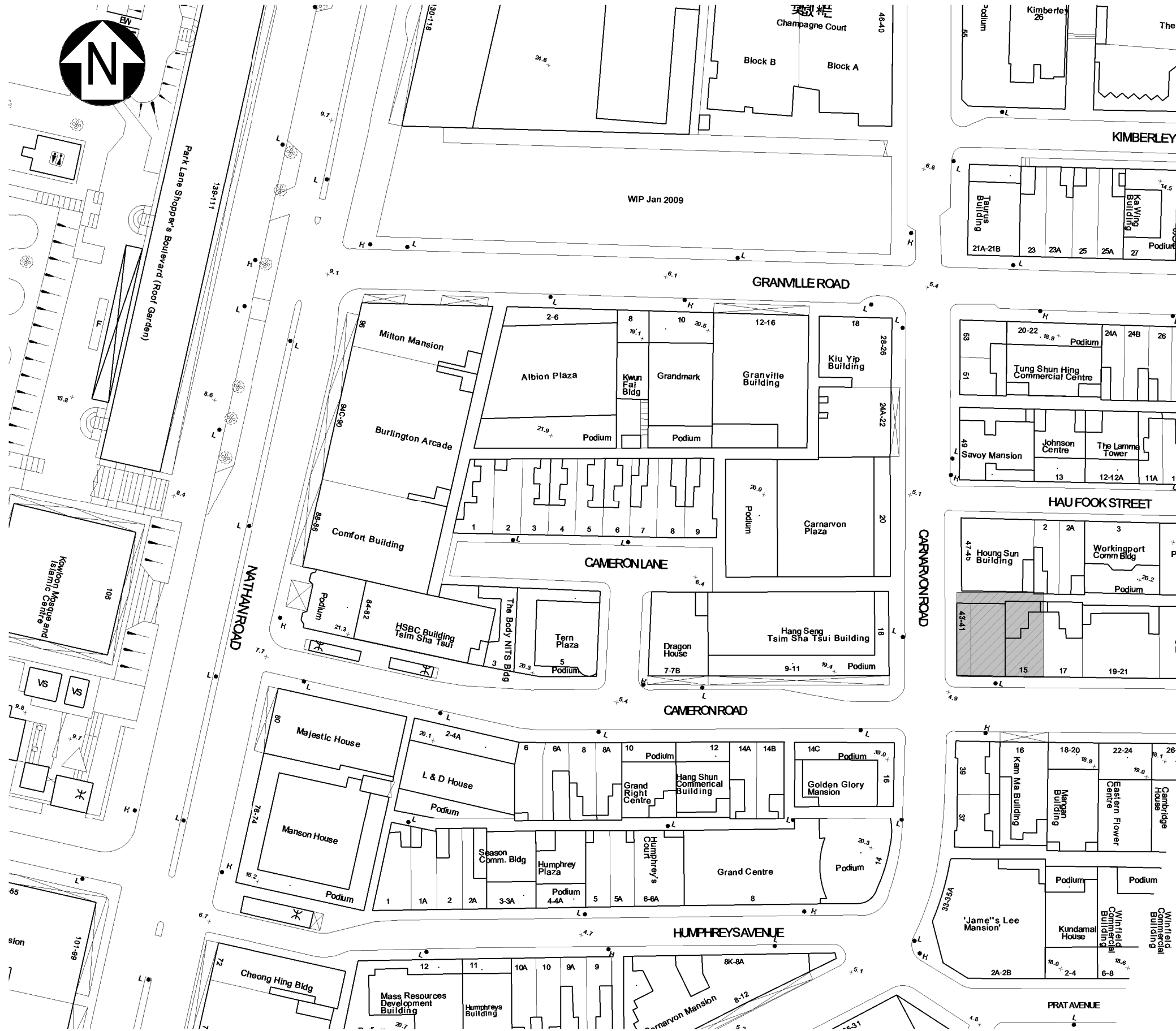
FOR REFERENCE ONLY

SYMBOLS LINE

- 
- EXHAUST AIR DUCT (EAD)
- 
- RETURN AIR DUCT (RAD)
- 
- SUPPLY AIR DUCT (SAD)
- 
- FRESH AIR DUCT (FAD)
- 
- PRIMARY AIR DUCT (PAD)
- 
- FAN COIL UNIT (FCU)
- 
- CONDENSATE DRAIN PIPE (CDP)
- 
- FEED EXPANSION PIPE (F&E)
- 
- CHILLER WATER SUPPLY (CHWS)
- 
- CHILLER WATER RETURN (CHWR)
- 
- MAKE-UP WATER PIPE (MWP)
- 
- BLEED-OFF PIPE (BOP)
- 
- BALANCING PIPE (BLP)
- 
- CHILLED WATER RETURN (CWR)
- 
- CHILLED WATER SUPPLY (CWS)

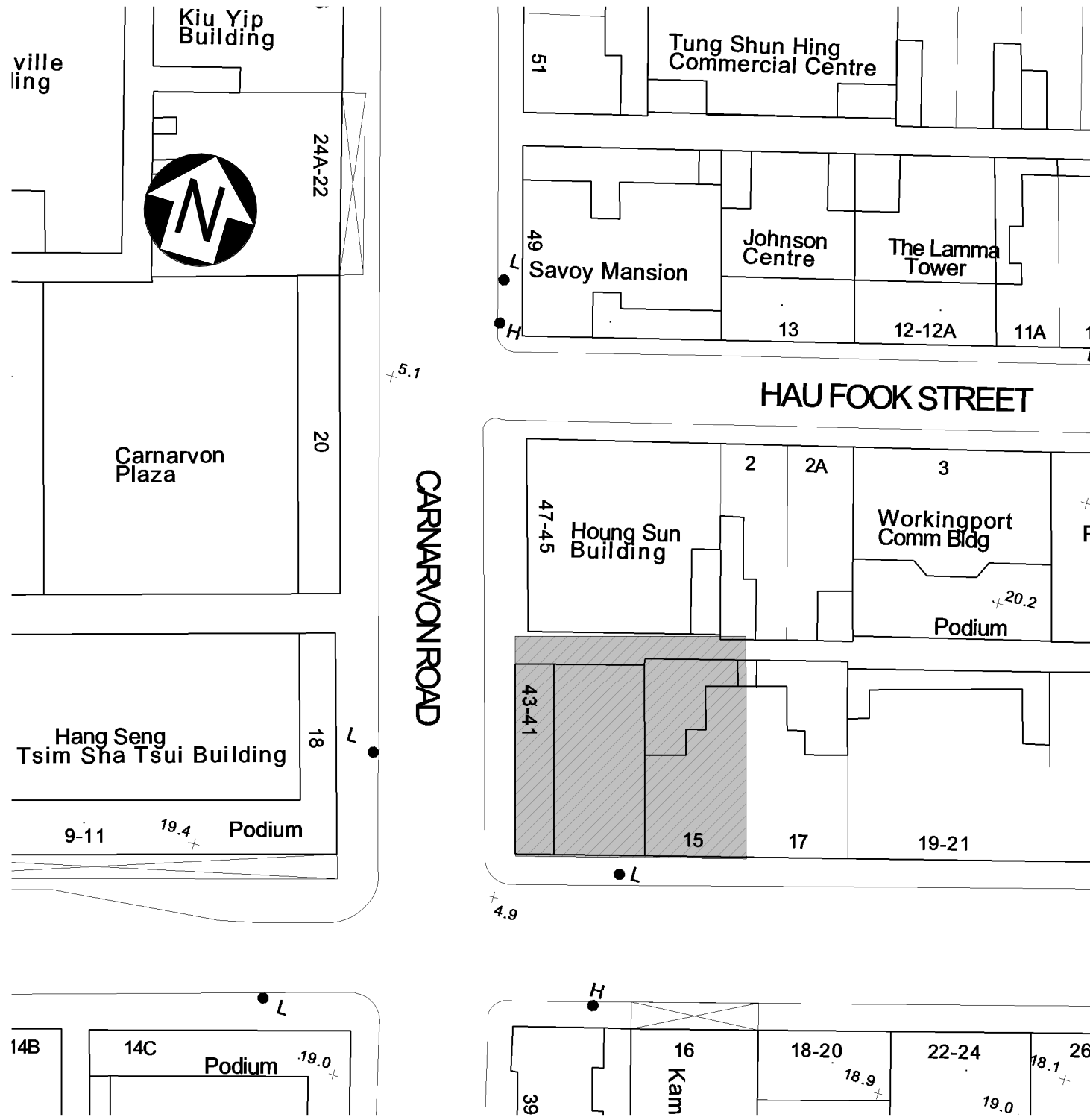
REFERENCE ONLY

DRAWING LIST		
DRAWING NUMBER	DRAWING TITLE	REVISION
AC001	GENERAL NOTES, LEGENDS, ABBREVIATION AND DRAWING LIST	0
AC100	HVAC SCHEMATIC	0
AC101	HVAC LAYOUT PLAN AT LEVEL GF, L01, L02, L03	0
AC102	HVAC LAYOUT PLAN AT L04-L15, RF, URF, TRF	0
AC400	HVAC PLAN DETAIL & SECTION	0
AC401	HVAC PLAN DETAIL & SECTION	0
AC501	HVAC EQUIPMENT SCHEDULE	
AC600	INSTALLATION DETAILS (SHEET 1 OF 3)	0
AC601	INSTALLATION DETAILS (SHEET 2 OF 3)	0
AC602	INSTALLATION DETAILS (SHEET 3 OF 3)	0



LOCATION PLAN

1 : 1000



SITE PLAN

1 : 500

B.D.REFERENCE

F.S.D.REFERENCE

W.V.O.REFERENCE

DO NOT SCALE DRAWINGS. ALL DIMENSIONS SHALL BE VERIFIED ON SITE.

NOTE

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QR Code on drawing is an innovative idea to bridge between 2D drawings and 3D BIM model/2D BIM presentations when a Cloud Platform such as CDE is available.

CLIENT LOGO

CONSULTANT LOGO

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APPOINTING PARTY / CLIENT REVIEW & ACCEPT

T - ACCEPTED (TIME)

A - REVIEWED & ACCEPTED

B - REVIEWED & ACCEPTED WITH COMMENTS

C - DO NOT USE

DATE

ID

LEAD CONSULTANT / LEAD CONTRACTOR REVIEW & AUTHORISATION

A - REVIEWED & AUTHORISED

B - REVIEWED & AUTHORISED WITH COMMENTS

C - DO NOT USE

DATE

ID

0 1ST SUBMISSION 08-03-2021

REV DESCRIPTION DATE

APPROVED APPROVER DD/MM/YYYY

CHECKED CHECKER DD/MM/YYYY

DESIGNED DESIGNER DD/MM/YYYY

DRAWN BIM MODELLER DD/MM/YYYY

PROJECT

CIC SAMPLE PROJECT

DRAWING TITLE

GENERAL NOTES, LEGENDS, ABBREVIATION AND DRAWING LIST


PROJECT NUMBER PXXXXX

PURPOSE OF ISSUE PLANNING SUBMISSION

SCALE As indicated A1

DRAWING NO. PXXXXX/AC001

REV 0



11/11/2021 5:28:33 pm

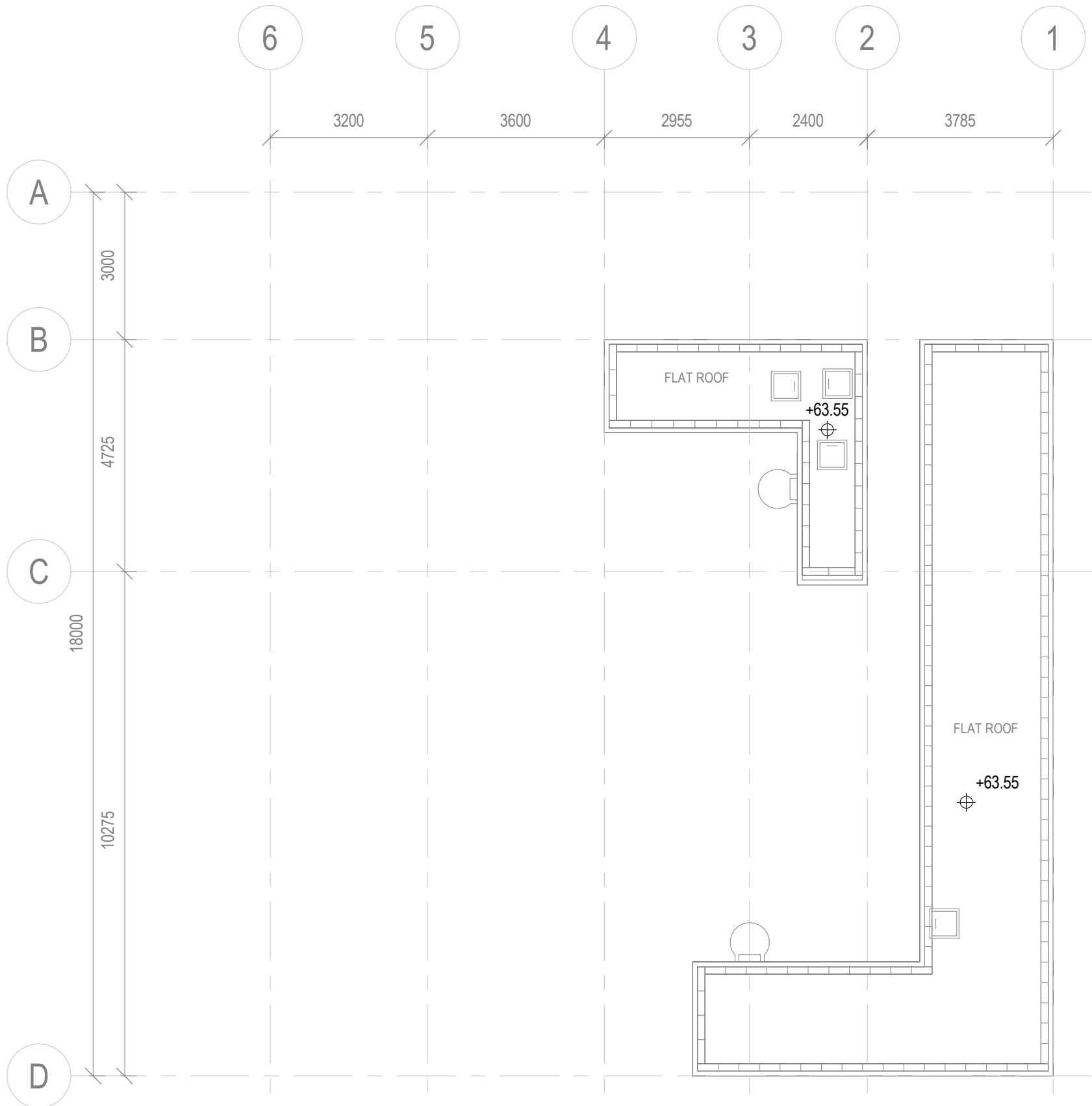
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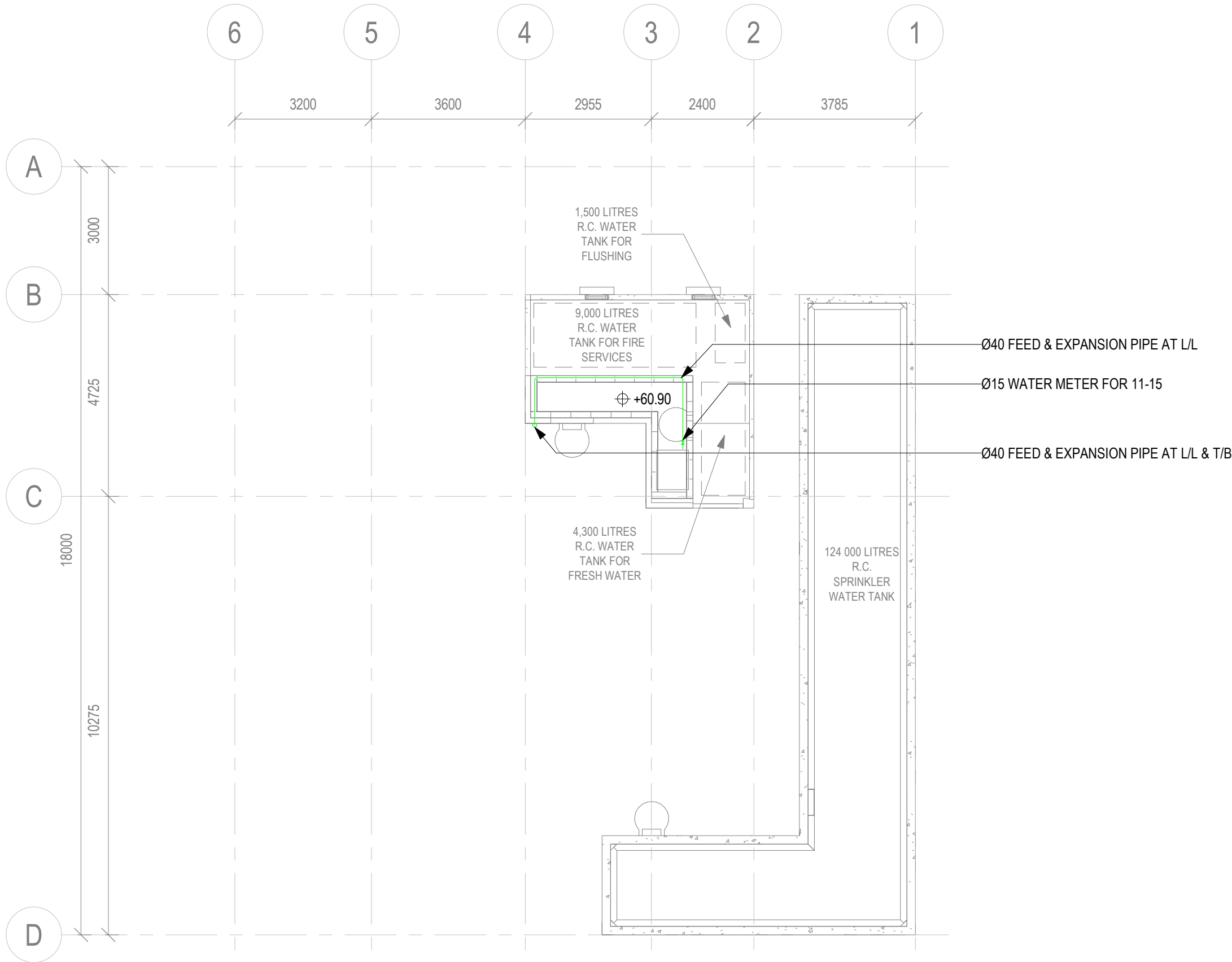
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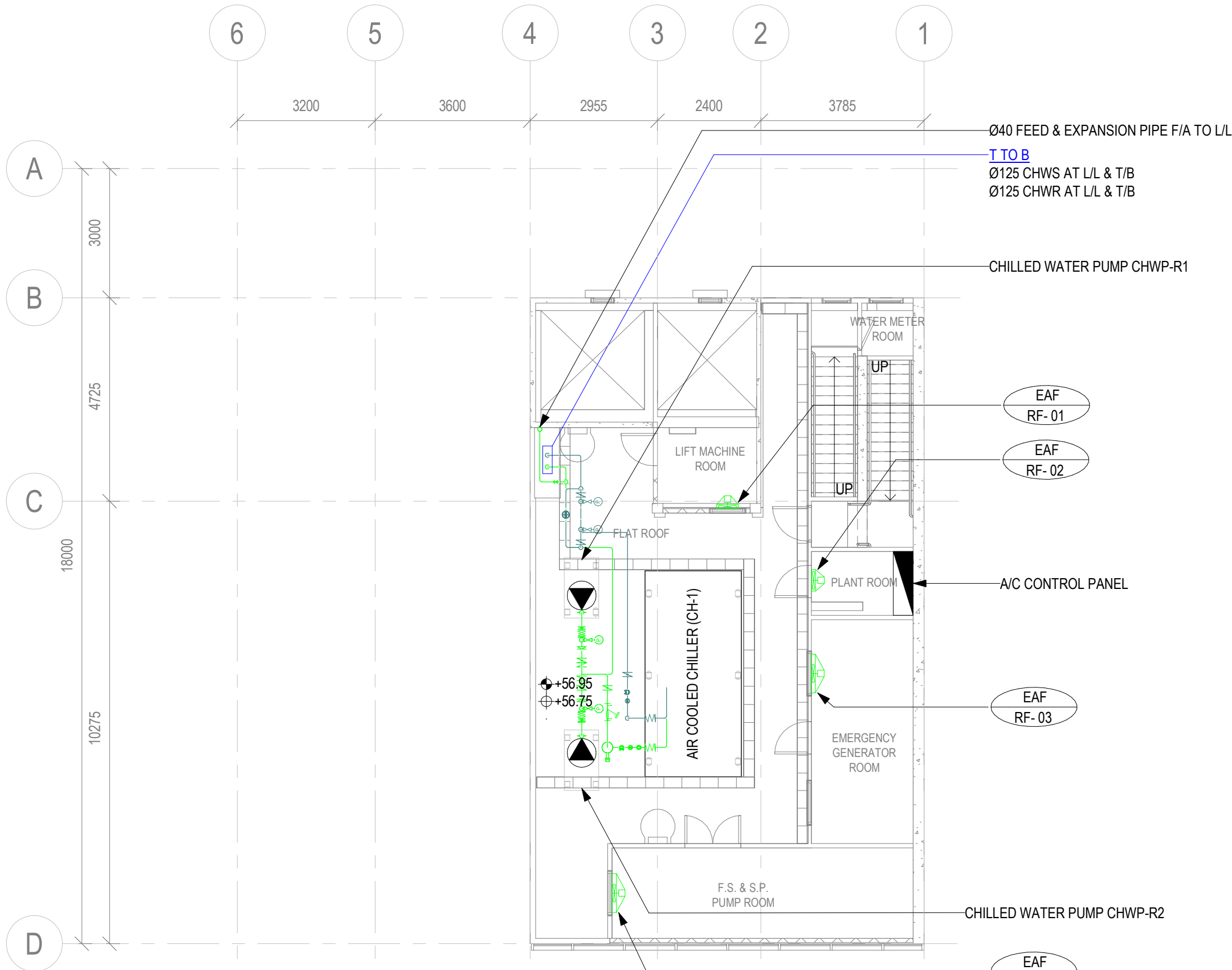
B.D.REFERENCE		
F.S.D.REFERENCE		
W.W.O.REFERENCE		
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APPROVED APPROVER DD/MM/YYYY		
CHECKED CHECKER DD/MM/YYYY		
DESIGNED DESIGNER DD/MM/YYYY		
DRAWN BIM MODELLER DD/MM/YYYY		
PROJECT		
CIC SAMPLE PROJECT		
DRAWING TITLE		
HVAC SCHEMATIC		
PROJECT NUMBER PXXXXX		
PURPOSE OF ISSUE PLANNING SUBMISSION		
SCALE 1 : 100 A1		
DRAWING NO. PXXXXX/AC100		
REV 0		



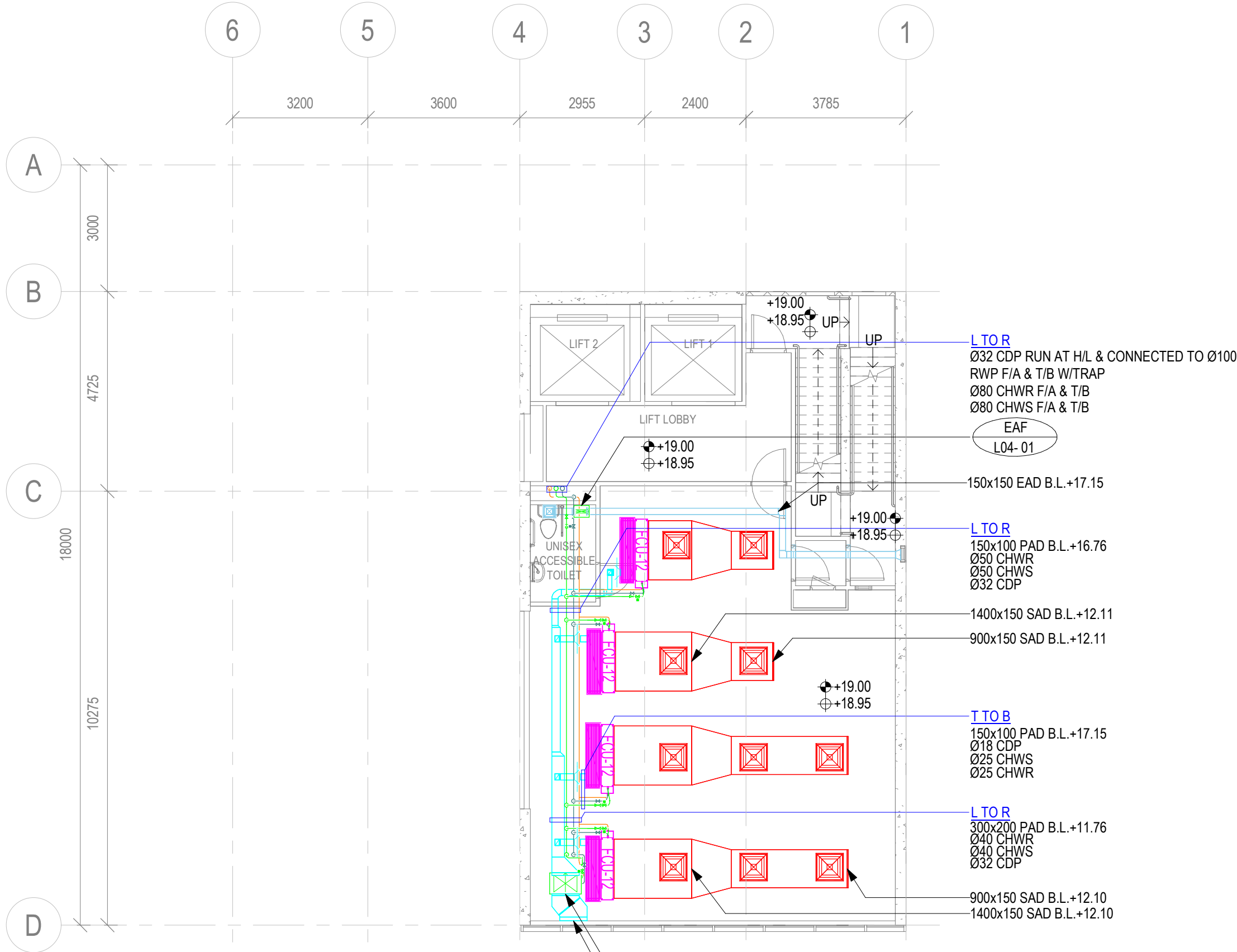
8 TRF PLAN
1: 100



7 URF PLAN
1: 100

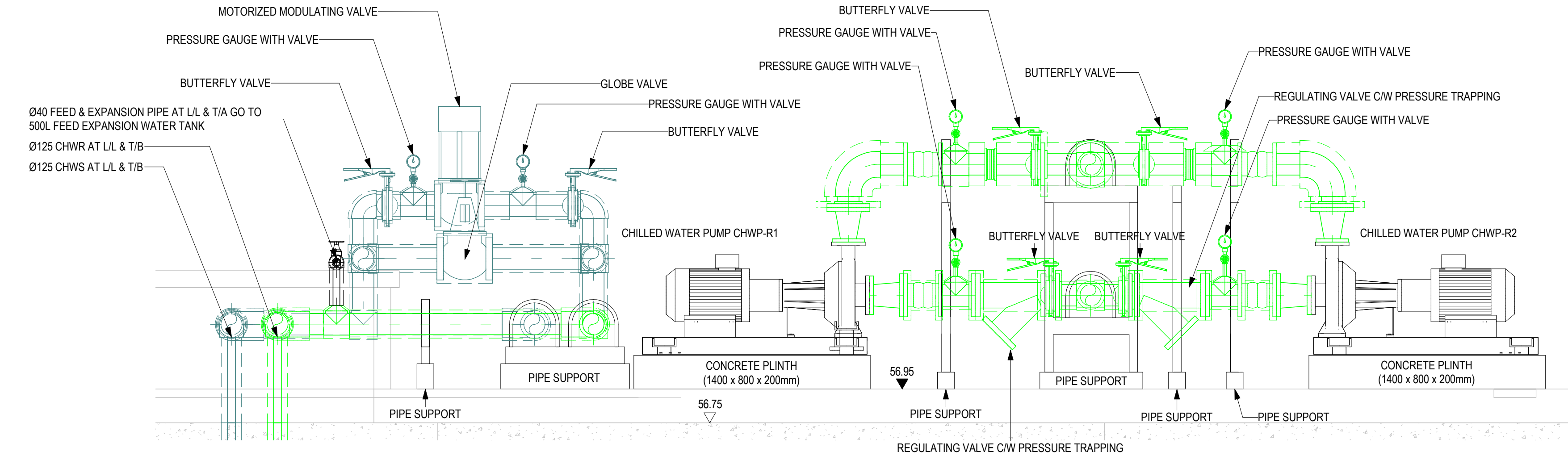


6 RF PLAN
1: 100

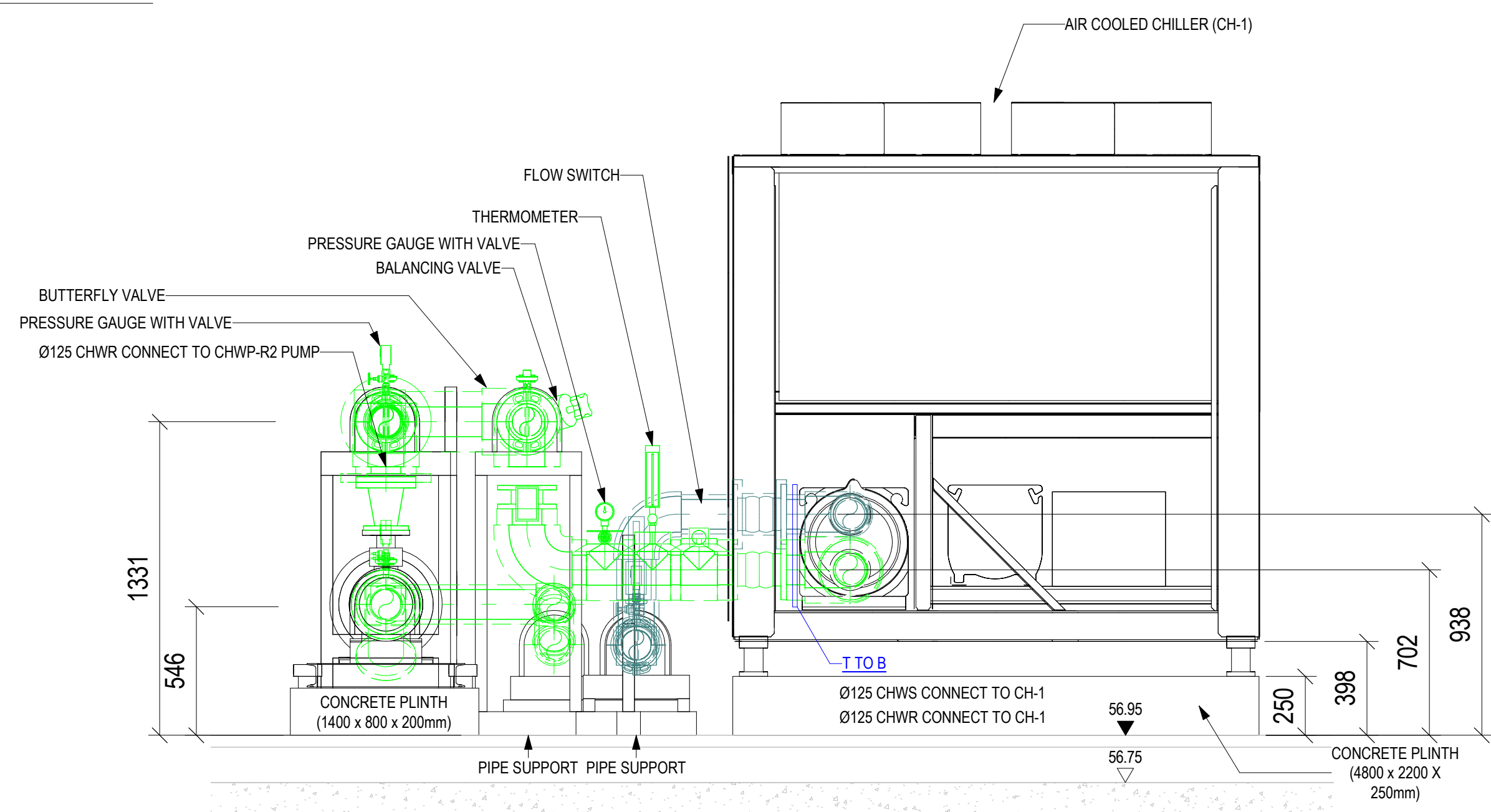


5 L04-L15 PLAN
1: 100

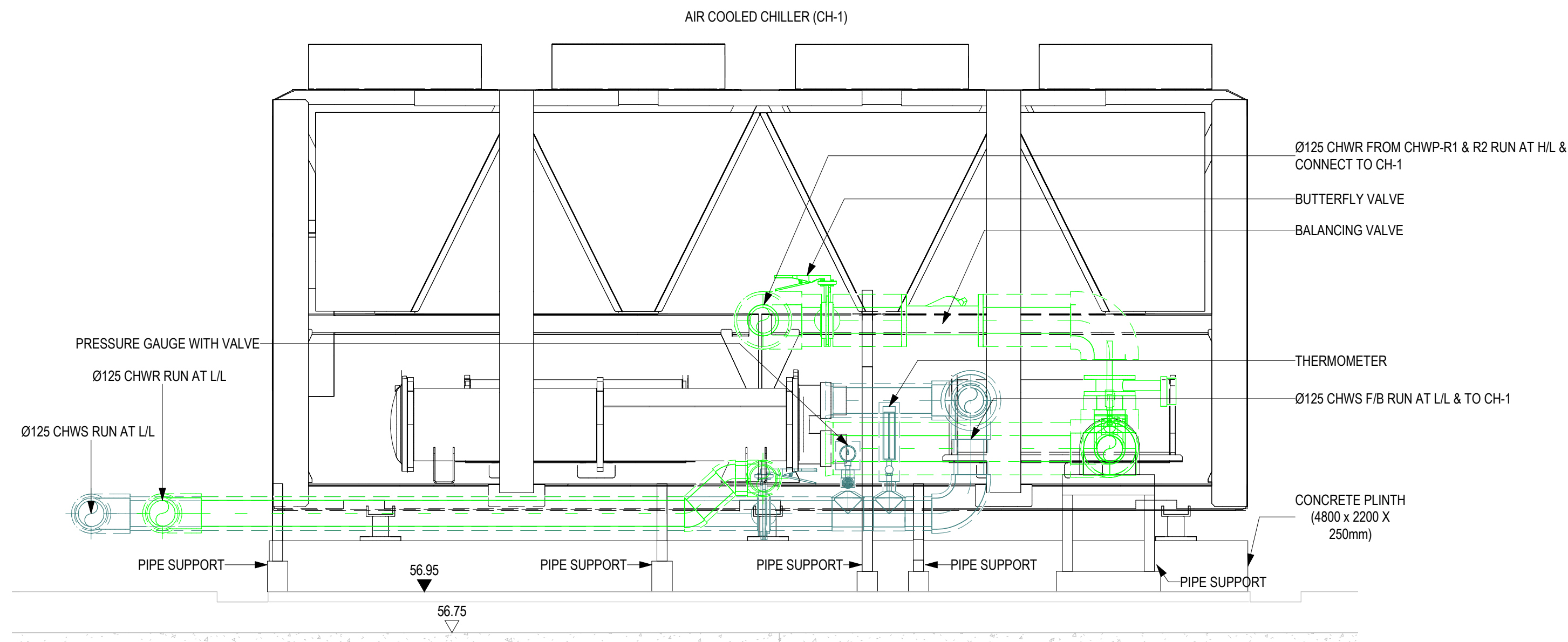
B.D. REFERENCE		
F.S.D. REFERENCE		
W.W.O. REFERENCE		
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0 1ST SUBMISSION 08-03-2021		
REV DESCRIPTION DATE		
APPROVED APPROVER DD/MM/YYYY		
CHECKED CHECKER DD/MM/YYYY		
DESIGNED DESIGNER DD/MM/YYYY		
DRAWN BIM MODELLER DD/MM/YYYY		
PROJECT		
CIC SAMPLE PROJECT		
DRAWING TITLE		
HVAC LAYOUT PLAN AT L04-L15, RF, URF, TRF		
PROJECT NUMBER PXXXXX		
PURPOSE OF ISSUE PLANNING SUBMISSION		
SCALE 1: 100 A1		
DRAWING NO. PXXXXX/AC102		
REV 0		



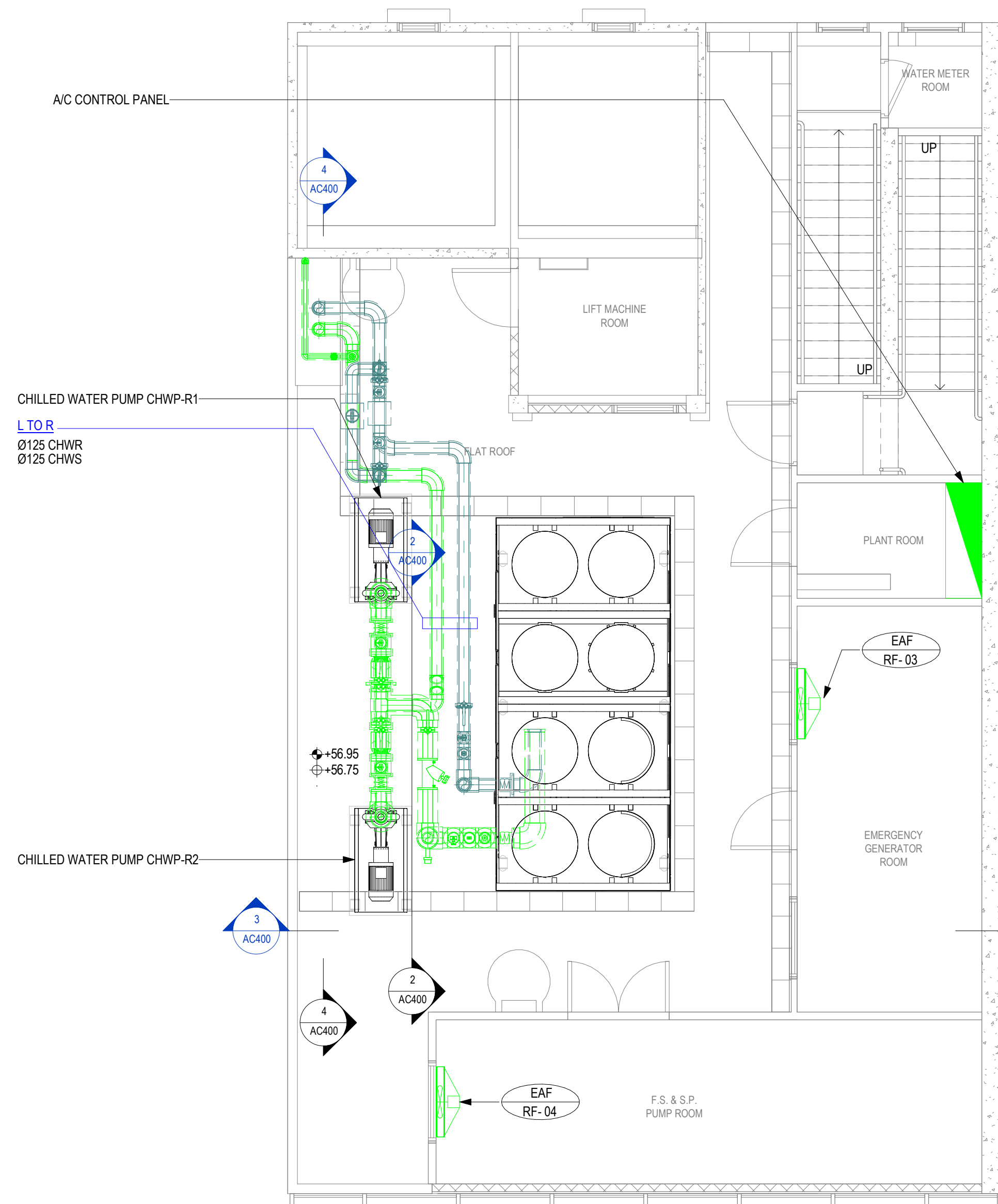
4 SECTION 4-4
1 : 20



3 SECTION 3-3
1 : 20



2 SECTION 2-2
1 : 20



1 AIR CONDITIONING PLANT LAYOUT
1 : 50

B.D.REFERENCE

F.S.D.REFERENCE

W.W.O.REFERENCE

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0 1ST SUBMISSION 08-03-2021

REV DESCRIPTION DATE

APPROVED APPROVER DD/MM/YYYY

CHECKED CHECKER DD/MM/YYYY

DESIGNED DESIGNER DD/MM/YYYY

DRAWN BIM MODELLER DD/MM/YYYY

PROJECT

CIC SAMPLE PROJECT

DRAWING TITLE

HVAC PLAN DETAIL & SECTION


PROJECT NUMBER PXXXXX

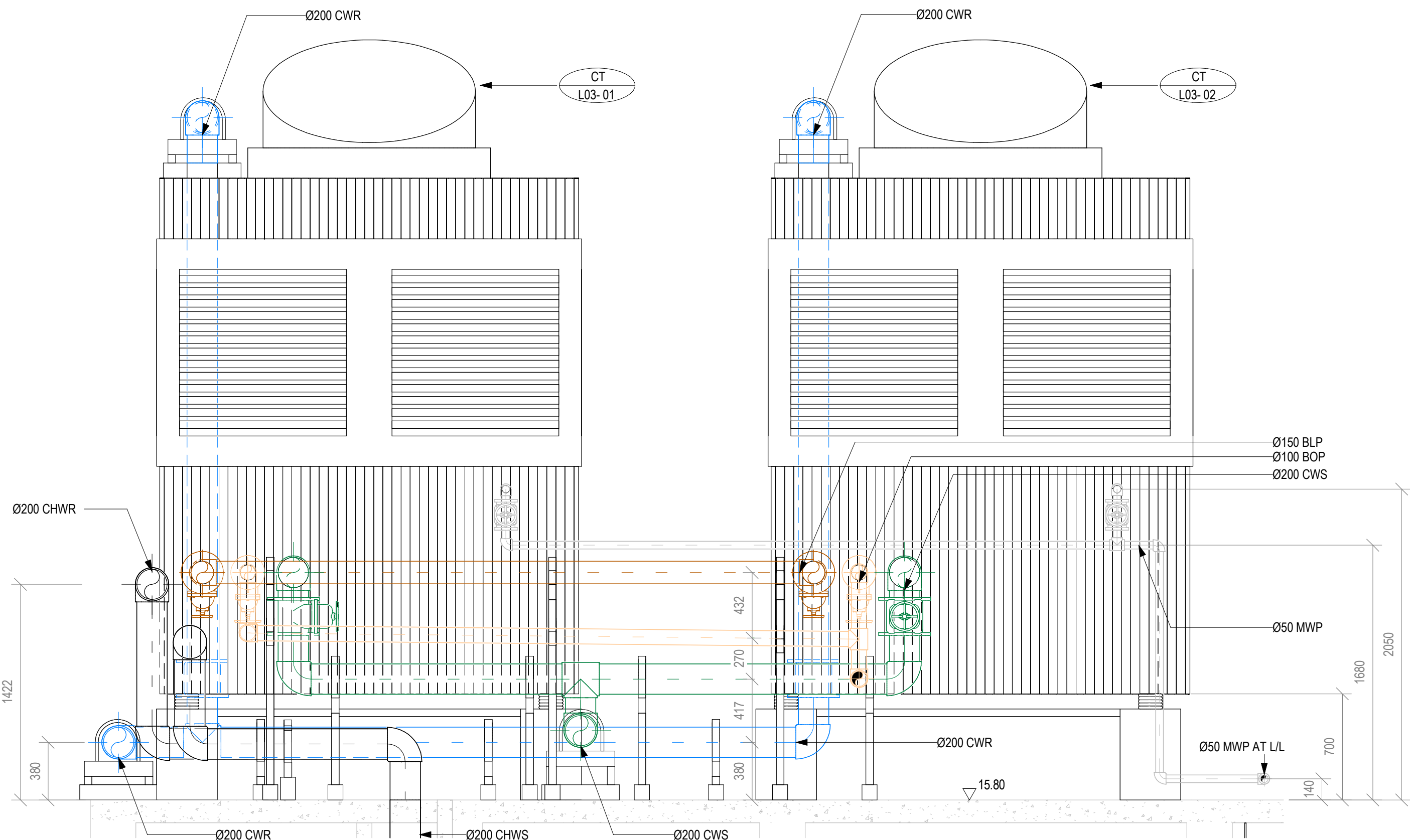
PURPOSE OF ISSUE PLANNING SUBMISSION

SCALE As indicated A1

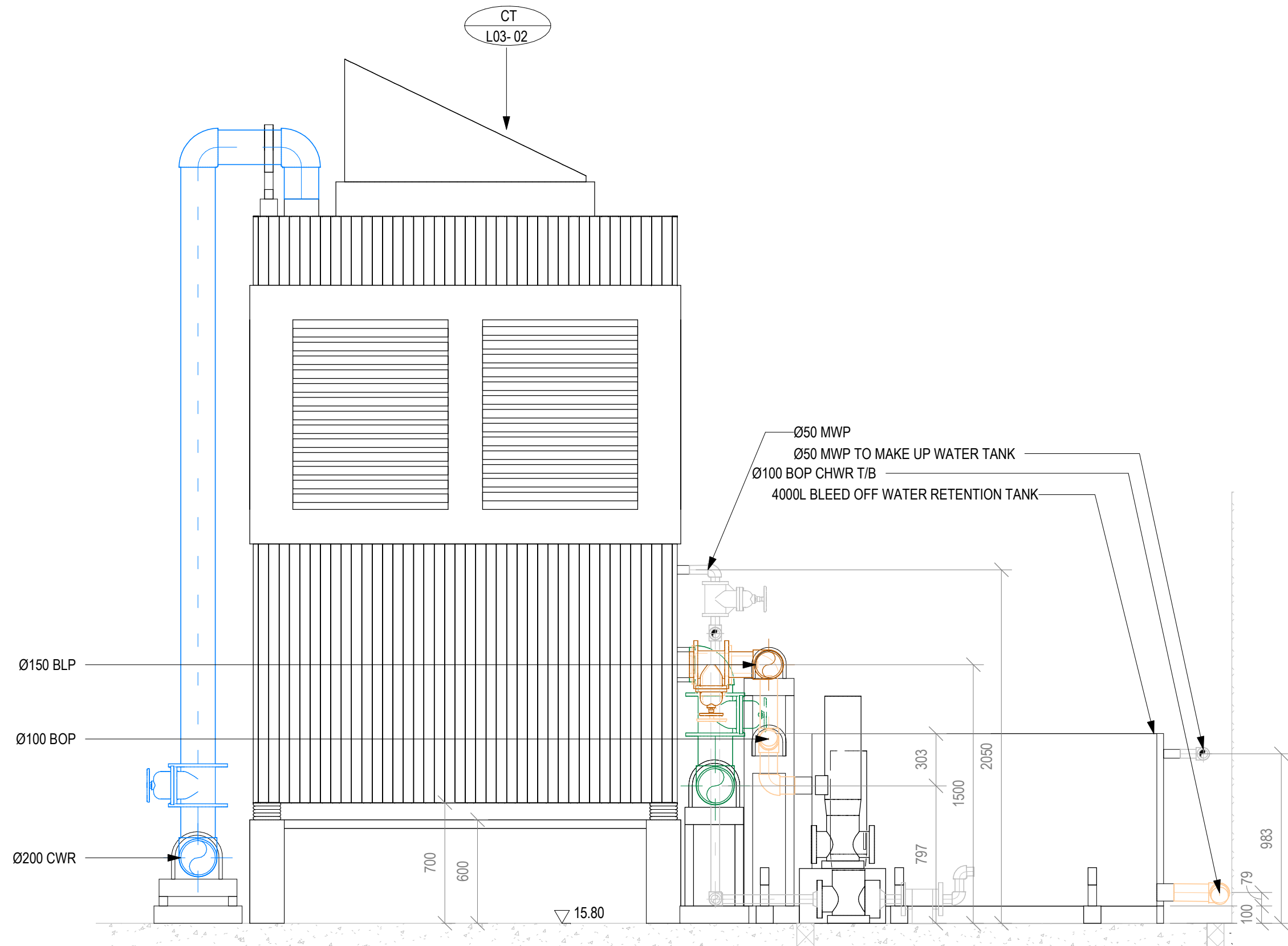
DRAWING NO. PXXXXX/AC400

REV 0

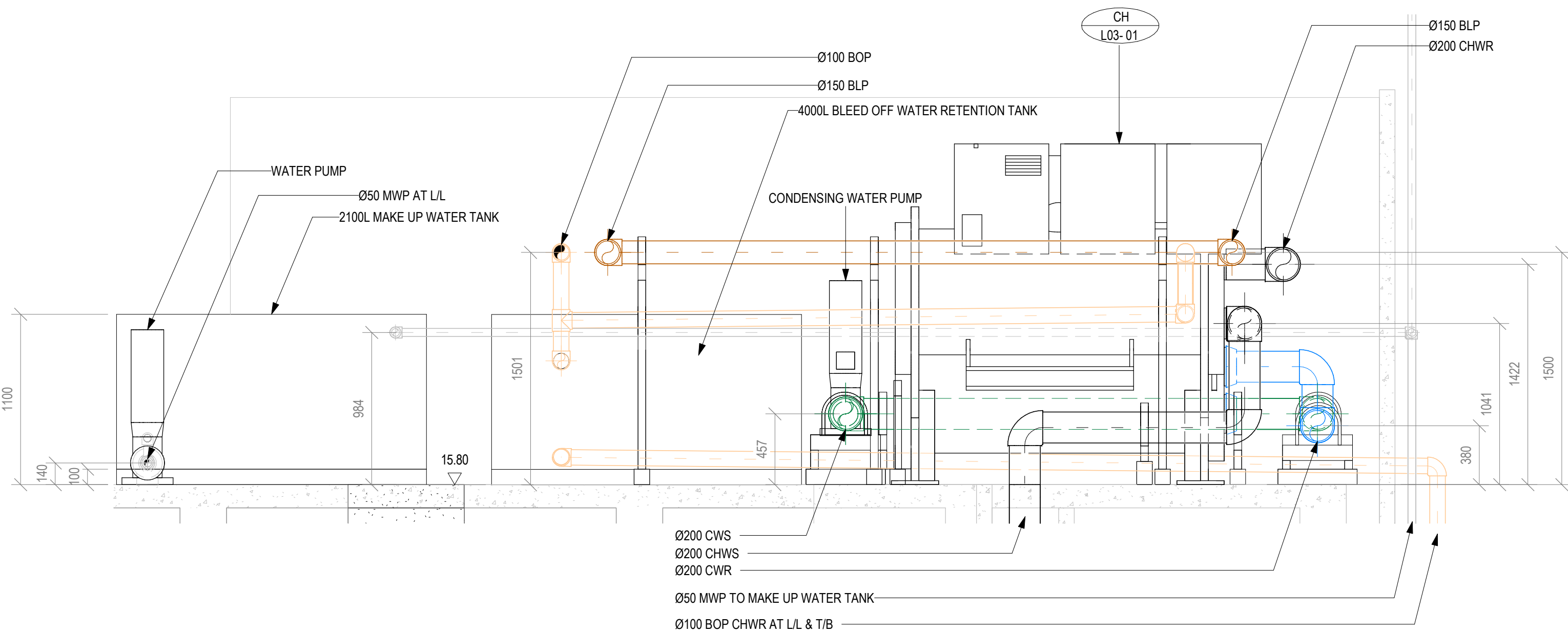




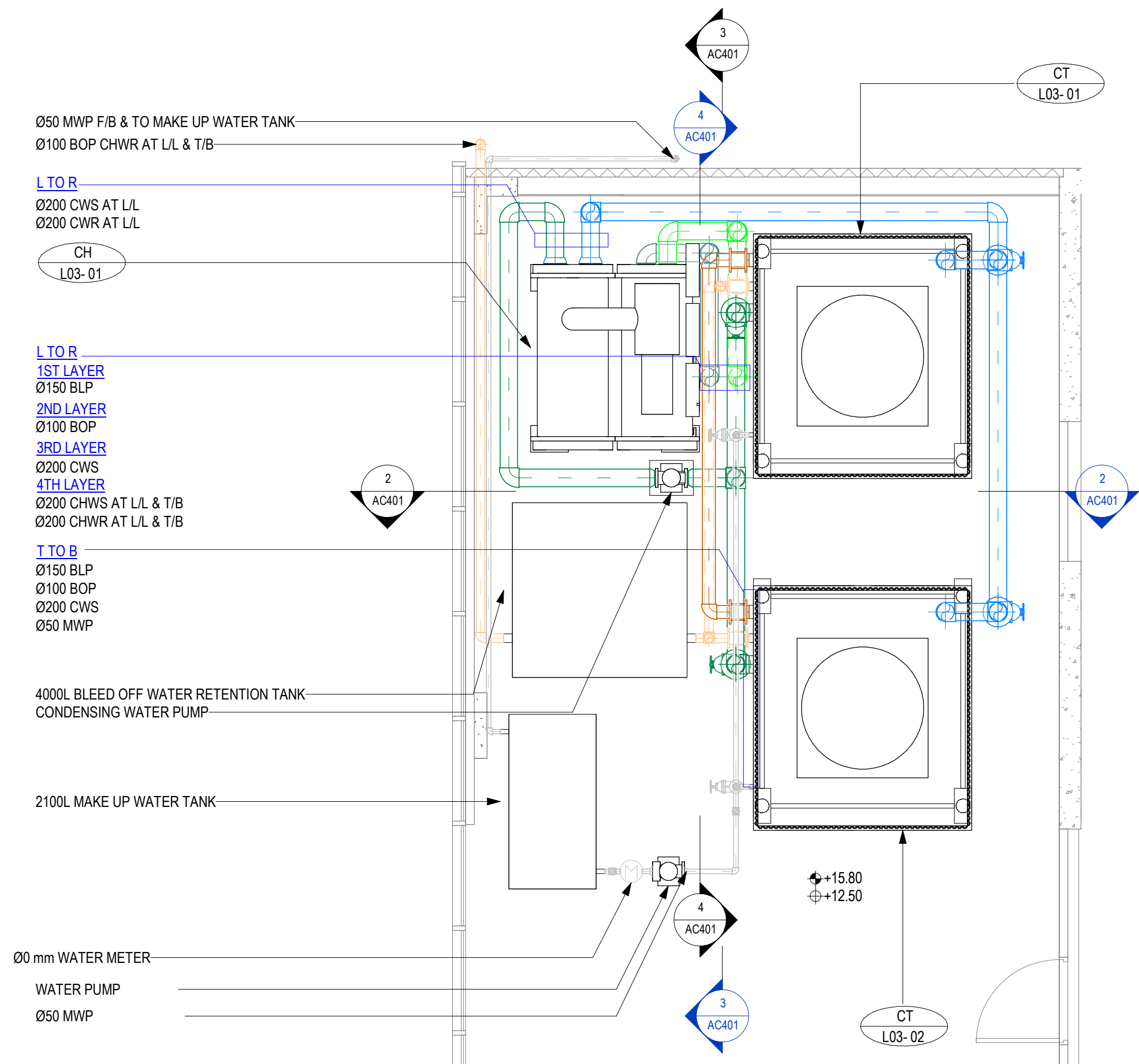
4 SECTION 4-4 (HVAC_CT)
1 : 25



2 SECTION 2-2
1 : 25



3 SECTION 3-3
1 : 25



1 COOLING TOWER PART PLAN
1 : 50

B.D.REFERENCE		
F.S.D.REFERENCE		
W.W.O.REFERENCE		
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DESIGNED DESIGNER DD/MM/YYYY		
DRAWN BIM MODELLER DD/MM/YYYY		
PROJECT		
CIC SAMPLE PROJECT		
DRAWING TITLE		
HVAC PLAN DETAIL & SECTION		
PROJECT NUMBER PXXXXX		
PURPOSE OF ISSUE PLANNING SUBMISSION		
SCALE As indicated A1		
DRAWING NO. PXXXXX/AC401		
REV 0		

FCU EQUIPMENT SCHEDULE									
Family Name	FCU Type	Level	Count	FCU Size	SAD Size	RAD Size	Diameter Connection Size		
							CHWR	CHWS	CDP
MCQ-FCU-CIC-FCU	FCU-12	G/F +4.50	3	1470 X 281 X 223	1400 X 150	1400 X 150	25 mm	25 mm	32 mm
MCQ-FCU-CIC-FCU	FCU-12	1/F +9.50	6	1470 X 281 X 223	1400 X 150	1400 X 150	25 mm	25 mm	32 mm
MCQ-FCU-CIC-FCU	FCU-12	2/F +12.65	6	1470 X 281 X 223	1400 X 150	1400 X 150	25 mm	25 mm	32 mm
MCQ-FCU-CIC-FCU	FCU-12	3/F +15.80	4	1470 X 281 X 223	1400 X 150	1400 X 150	25 mm	25 mm	32 mm
MCQ-FCU-CIC-FCU	FCU-12	4/F +18.95	4	1470 X 281 X 223	1400 X 150	1400 X 150	25 mm	25 mm	32 mm
MCQ-FCU-CIC-FCU	FCU-12	5/F +22.10	4	1470 X 281 X 223	1400 X 150	1400 X 150	25 mm	25 mm	32 mm
MCQ-FCU-CIC-FCU	FCU-12	6/F +25.25	4	1470 X 281 X 223	1400 X 150	1400 X 150	25 mm	25 mm	32 mm
MCQ-FCU-CIC-FCU	FCU-12	7/F +28.40	4	1470 X 281 X 223	1400 X 150	1400 X 150	25 mm	25 mm	32 mm
MCQ-FCU-CIC-FCU	FCU-12	8/F +31.55	4	1470 X 281 X 223	1400 X 150	1400 X 150	25 mm	25 mm	32 mm
MCQ-FCU-CIC-FCU	FCU-12	9/F +34.70	4	1470 X 281 X 223	1400 X 150	1400 X 150	25 mm	25 mm	32 mm
MCQ-FCU-CIC-FCU	FCU-12	10/F +37.85	4	1470 X 281 X 223	1400 X 150	1400 X 150	25 mm	25 mm	32 mm
MCQ-FCU-CIC-FCU	FCU-12	11/F +41.00	4	1470 X 281 X 223	1400 X 150	1400 X 150	25 mm	25 mm	32 mm
MCQ-FCU-CIC-FCU	FCU-12	12/F +44.15	4	1470 X 281 X 223	1400 X 150	1400 X 150	25 mm	25 mm	32 mm
MCQ-FCU-CIC-FCU	FCU-12	13/F +47.30	4	1470 X 281 X 223	1400 X 150	1400 X 150	25 mm	25 mm	32 mm
MCQ-FCU-CIC-FCU	FCU-12	14/F +50.45	4	1470 X 281 X 223	1400 X 150	1400 X 150	25 mm	25 mm	32 mm
MCQ-FCU-CIC-FCU	FCU-12	15/F +53.60	4	1470 X 281 X 223	1400 X 150	1400 X 150	25 mm	25 mm	32 mm
MCQ-OTR-CIC-FCU_RECT	FCU-GF1	G/F +4.50	1	825 X 825 X 298	01	01	25 mm	25 mm	40 mm

B.D.REFERENCE

F.S.D.REFERENCE

W.W.O.REFERENCE

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APPOINTING PARTY / CLIENT REVIEW & ACCEPT

T - ACCEPTED (TIME)

A - REVIEWED & ACCEPTED

B - REVIEWED & ACCEPTED WITH COMMENTS

C - DO NOT USE

DATE

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LEAD CONSULTANT / LEAD CONTRACTOR REVIEW & AUTHORISATION

A - REVIEWED & AUTHORISED

B - REVIEWED & AUTHORISED WITH COMMENTS

C - DO NOT USE

DATE

ID

REV

DESCRIPTION

DATE

NAME AND DESIGNATION

DATE

APPROVED

Approver

CHECKED

Checker

DESIGNED

Designer

DRAWN

Author

PROJECT

CIC SAMPLE PROJECT

DRAWING TITLE

HVAC EQUIPMENT SCHEDULE

PROJECT NUMBER

PXXXXX

PURPOSE OF ISSUE

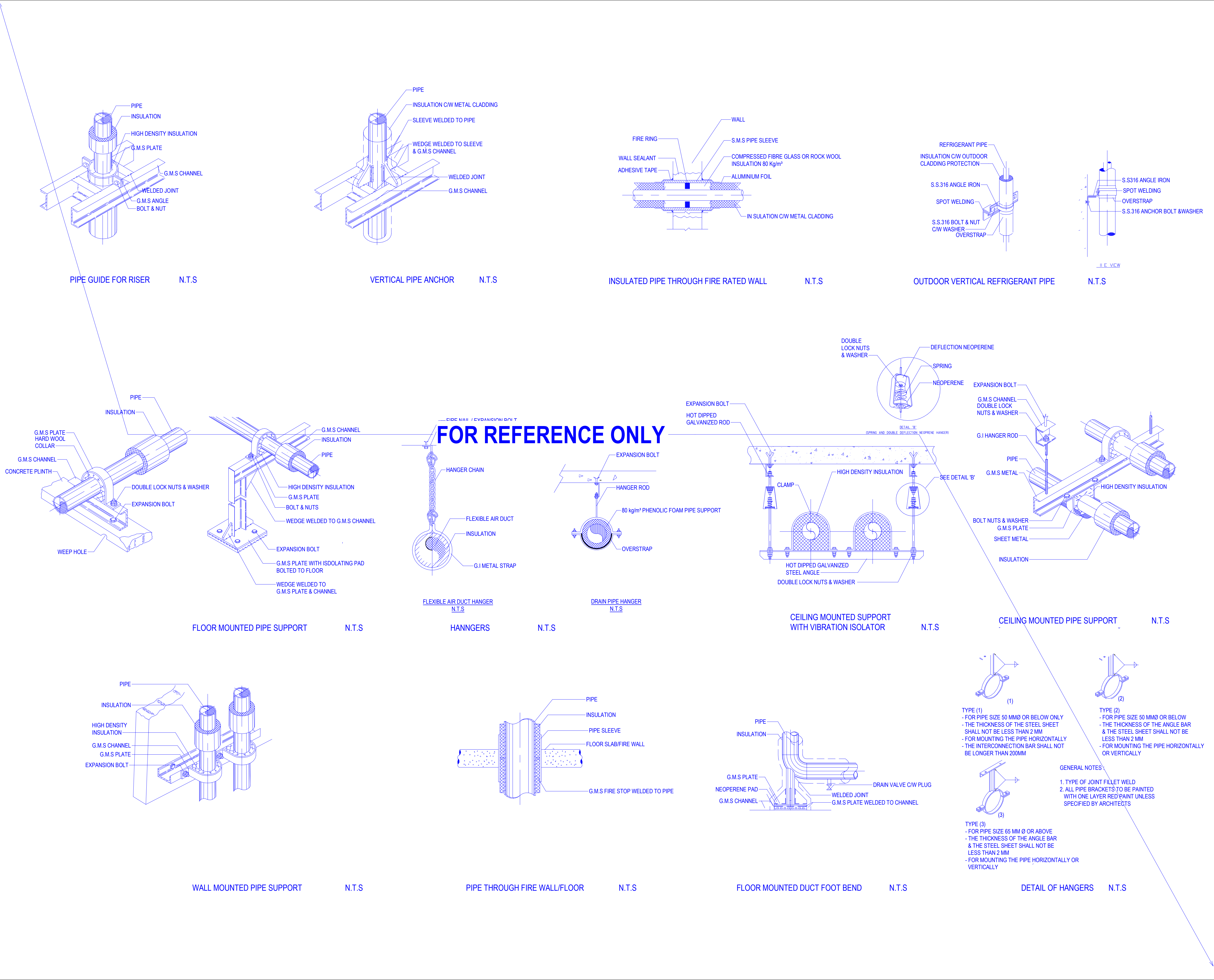
SCALE

A1

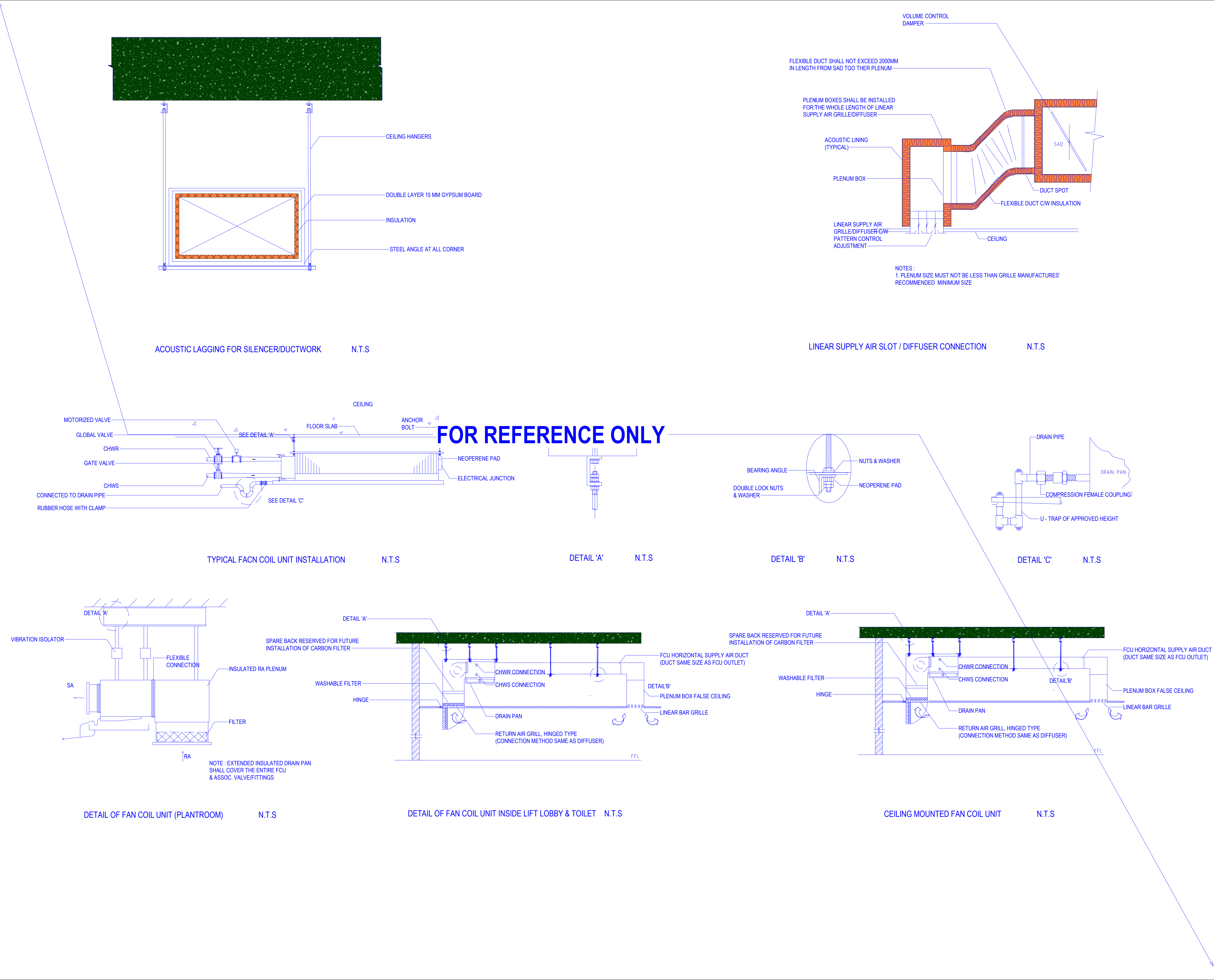
DRAWING NO.

PXXXXX/AC501

REV

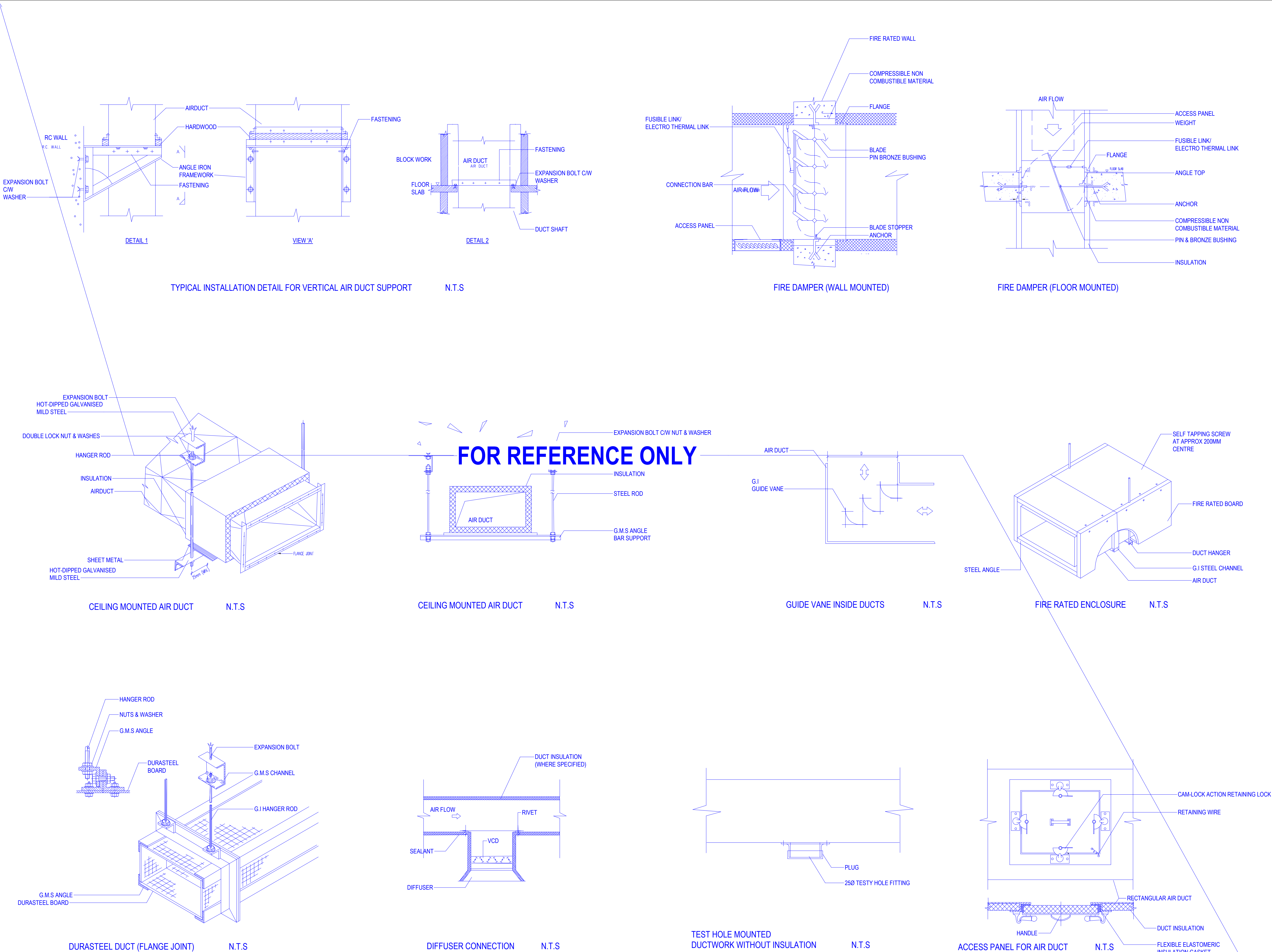


B.D.REFERENCE		
F.S.D.REFERENCE		
W.W.O.REFERENCE		
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0 1ST SUBMISSION 08-03-2021		
REV	DESCRIPTION	DATE
	NAME AND DESIGNATION	DATE
APPROVED	APPROVER	DD/MM/YYYY
CHECKED	CHECKER	DD/MM/YYYY
DESIGNED	DESIGNER	DD/MM/YYYY
DRAWN	BIM MODELLER	DD/MM/YYYY
PROJECT		
CIC SAMPLE PROJECT		
DRAWING TITLE		
INSTALLATION DETAILS (SHEET 1 OF 3)		
PROJECT NUMBER PXXXXX		
PURPOSE OF ISSUE PLANNING SUBMISSION		
SCALE 1 : 50 A1		
DRAWING NO. PXXXXX/AC600		
REV 0		



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C - DO NOT USE		
DATE		
ID		
0 1ST SUBMISSION 08-03-2021		
REV	DESCRIPTION	DATE
	NAME AND DESIGNATION	DATE
APPROVED	APPROVER	DD/MM/YYYY
CHECKED	CHECKER	DD/MM/YYYY
DESIGNED	DESIGNER	DD/MM/YYYY
DRAWN	BIM MODELLER	DD/MM/YYYY
PROJECT		
CIC SAMPLE PROJECT		
DRAWING TITLE		
INSTALLATION DETAILS (SHEET 2 OF 3)		
PROJECT NUMBER PXXXXX		
PURPOSE OF ISSUE PLANNING SUBMISSION		
SCALE 1 : 80 A1		
DRAWING NO. PXXXXX/AC601		
REV 0		





B.D.REFERENCE

F.S.D.REFERENCE

W.W.O.REFERENCE

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1ST SUBMISSION

08-03-2021

REV

DESCRIPTION

DATE

APPROVED

APPROVER

DD/MM/YYYY

CHECKED

CHECKER

DD/MM/YYYY

DESIGNED

DESIGNER

DD/MM/YYYY

DRAWN

BIM MODELLER

DD/MM/YYYY

PROJECT

CIC SAMPLE PROJECT

DRAWING TITLE

INSTALLATION DETAILS (SHEET 3 OF 3)

PROJECT NUMBER

PXXXXX

PURPOSE OF ISSUE

PLANNING SUBMISSION

SCALE

1 : 40 A1

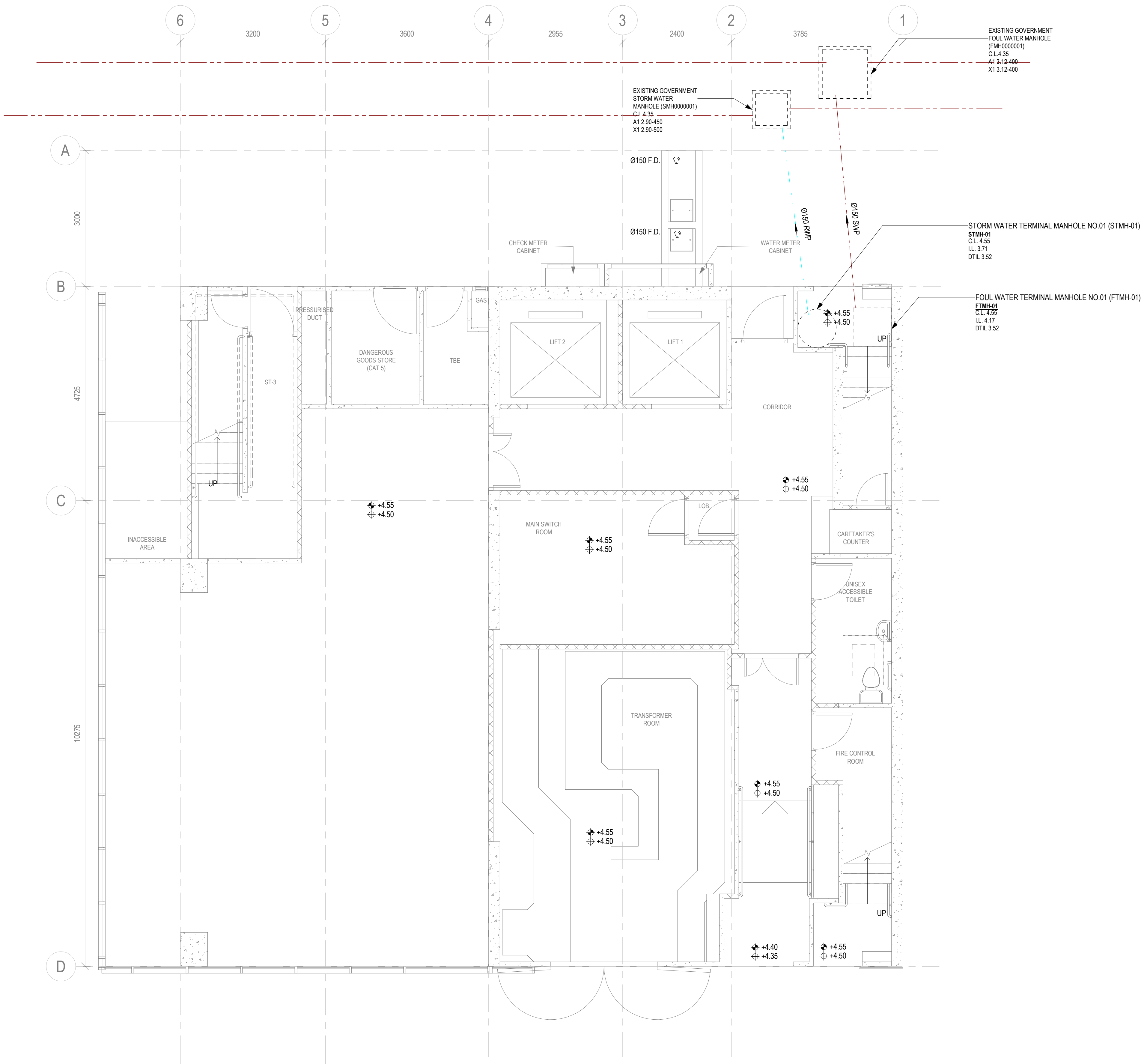
DRAWING NO.

PXXXXX/AC602

REV

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PLOT DRV: 11/11/2021 6:27:35 pm
MODELNAME:
FILENAME:



1 GROUND FLOOR PLAN
1 : 50

B.D.REFERENCE

F.S.D.REFERENCE

W.W.O.REFERENCE

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1ST SUBMISSION

08-03-2021

REV

DESCRIPTION

DATE

APPROVED

APPROVER

DD/MM/YYYY

CHECKED

CHECKER

DD/MM/YYYY

DESIGNED

DESIGNER

DD/MM/YYYY

DRAWN

BIM MODELLER

DD/MM/YYYY

PROJECT

CIC SAMPLE PROJECT

DRAWING TITLE

DRAINAGE CONNECTION LAYOUT AT LEVEL L00 SHOWING CONNECTION OF STORMWATER & FOULWATER TERMINAL MANHOLE TO EX. GOVT. MANHOLE

PROJECT NUMBER

PXXXXX

PURPOSE OF ISSUE

PLANNING SUBMISSION

SCALE


1 : 50 A1

DRAWING NO.

PXXXXX/DR400

REV

0



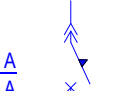
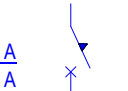


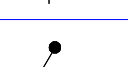
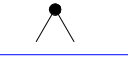
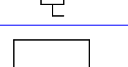



GENERAL NOTES

1.
- THE L.V. SCHEMATIC WIRING DIAGRAM AND THE ASSOCIATED POWER DISTRIBUTION ARRANGEMENT AS SHOWN ON THE DISTRIBUTION BOARD DETAILED DRAWINGS ARE FOR INDICATIVE PURPOSE ONLY. THE SUB-CONTRACTOR SHALL BASED ON THE MINIMUM REQUIREMENTS AS SHOWN ON THIS SET OF DRAWINGS TO DEVELOPE HIS DESIGN IN MORE DETAILS TO SUIT THE SITE CONDITION, AND TO SUBMIT HIS DESIGN DRAWINGS (AS SHOP DRAWINGS) FOR ENGINEER'S AND CLP's APPROVAL PRIOR TO MATERIAL ORDERING AND INSTALLATION.
2.
- THE ELECTRICAL SYSTEM DESIGN AND INSTALLATION CARRIED OUT BY THE SUB-CONTRACTOR SHALL FULLY COMPLY WITH THE LATEST EDITION OF THE CODE OF PRACTICE FOR THE ELECTRICITY (WIRING) REGULATIONS ISSUED BY THE ELECTRICAL AND MECHANICAL SERVICES DEPARTMENT (EMSD), THE SUPPLY RULES OF THE POWER SUPPLY COMPANY AND ALL RELEVANT STATUTORY REQUIREMENTS.
3.
- THE MEANS FOR PROTECTION AGAINST INDIRECT CONTACT IS BY EARTHED EQUIPOTENTIAL BONDING AND AUTOMATIC DISCONNECTION OF SUPPLY, IN ACCORDANCE WITH THE LATEST EDITION OF THE CODE OF PRACTICE FOR THE ELECTRICITY (WIRING) REGULATIONS ISSUED BY THE EMSD.
4.
- THE LOCATION AND QUANTITY OF EARTH PIT(S) AS SHOWN ON THE DRAWINGS IS FOR INDICATIVE ONLY. THE SUB-CONTRACTOR SHALL PROVIDE PROPER EARTHING SYSTEM AS REQUIRED, AND THE NUMBER OF EARTH ELECTRODE(S) AND THE RESULTANT EARTH FAULT LOOP IMPEDANCE SHALL BE SUCH THAT THE EARTH FAULT CURRENT IS CAPABLE TO ACTUATE THE PROTECTION DEVICES AND CLEAR THE FAULT WITHIN 5 SECONDS FOR ANY EARTH FAULT OCCURS AT THE MAINS AND DISTRIBUTION CIRCUITS.
5.
- UNLESS OTHERWISE SPECIFIED, THE QUANTITY, SIZE AND TYPE OF ALL POWER DISTRIBUTION CABLES AS INDICATED ON THE DRAWINGS SHALL REFER TO THE FOLLOWING NOTATION:

X: DENOTES THE QUANTITY OF CABLES

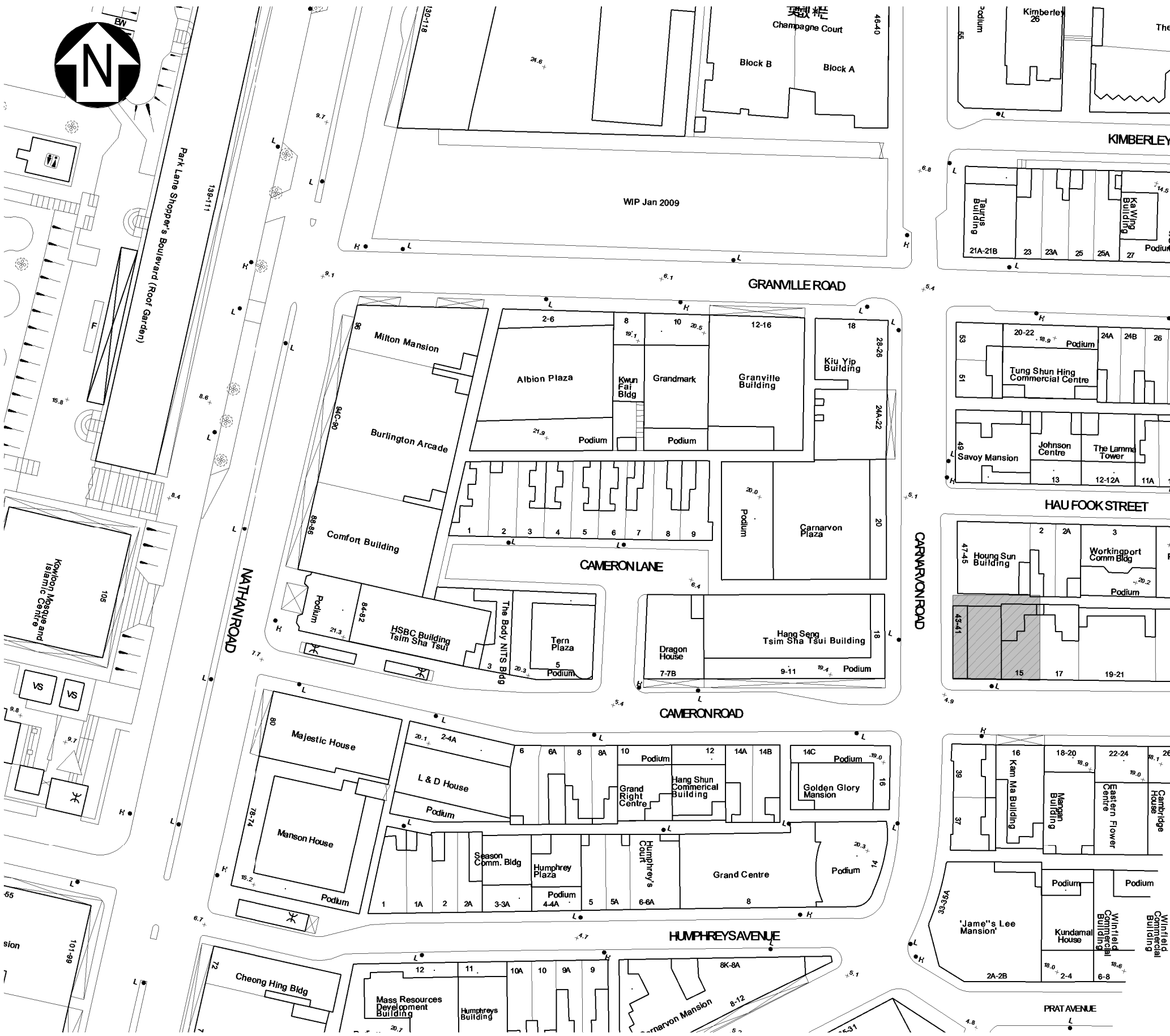
Y: DENOTES THE TYPE OF CABLES (SEE BELOW):
A = 4/C XLPE/SWA/PVC COPPER CABLE
B = 3/C XLPE/SWA/PVC COPPER CABLE
C = 2/C XLPE/SWA/PVC COPPER CABLE
D = 1/C XLPE/PVC COPPER CABLE
E = 1/C PVC COPPER CABLE
F = 4/C FR/LSOH/SWA/LSOH FIRE RESISTANT COPPER CABLE
G = 3/C FR/LSOH/SWA/LSOH FIRE RESISTANT C
H = 2/C FR/LSOH/SWA/LSOH FIRE RESISTANT C
J = 1/C FR/LSOH/LSOH FIRE RESISTANT COPPE
K = 1/C FR/LSOH FIRE RESISTANT COPPER CABLE
L = 1/C XLPE/PVC COPPER CABLE C/W PRE-FABRICATED BRANCHED CABLE JOINTS

LEGENDS

SYMBOL	FRONT	DESCRIPTION
		DRAW-OUT TYPE AIR CIRCUIT BREAKER (ACB) WITHOUT BUILT-IN OVERLOAD AND SHORT-CIRCUIT PROTECTION BUT C/W SHUNT-TRIP FACILITY, WHERE THE SYMBOL: - 'X' DENOTES THE NOMINAL CURRENT (In) SET BY PROTECTION RELAYS - 'Y' DENOTES THE FRAME SIZE OF THE AIR CIRCUIT BREAKER
		AIR CIRCUIT BREAKER (ACB) C/W ADJUSTABLE SHORT-CIRCUIT & OVER-CURRENT PROTECTION SETTINGS AND SHUNT-TRIP FACILITY, WHERE THE SYMBOL: - 'X' DENOTES THE SETTING NOMINAL CURRENT (In) RATING - 'Y' DENOTES THE FRAME SIZE OF THE AIR CIRCUIT BREAKER
		DRAW-OUT TYPE MOULDED CASE CIRCUIT BREAKER (MCCB) C/W ADJUSTABLE SHORT-CIRCUIT & OVER-CURRENT PROTECTION RATINGS AND SHUNT-TRIP FACILITY, WHERE THE SYMBOL: - 'X' DENOTES THE SETTING NOMINAL CURRENT (In) RATING - 'Y' DENOTES THE FRAME SIZE OF THE MOULDED CASE CIRCUIT BREAKER
		13A SWITCHED SOCKET OUTLET
		13A SWITCHED FUSED SPUR UNIT
		10A 1-WAY LIGHTING SWITCH
		10A 2-WAY LIGHTING SWITCH
		ISOLATING SWITCH
		CONTROL PANEL
		MCB D.B.

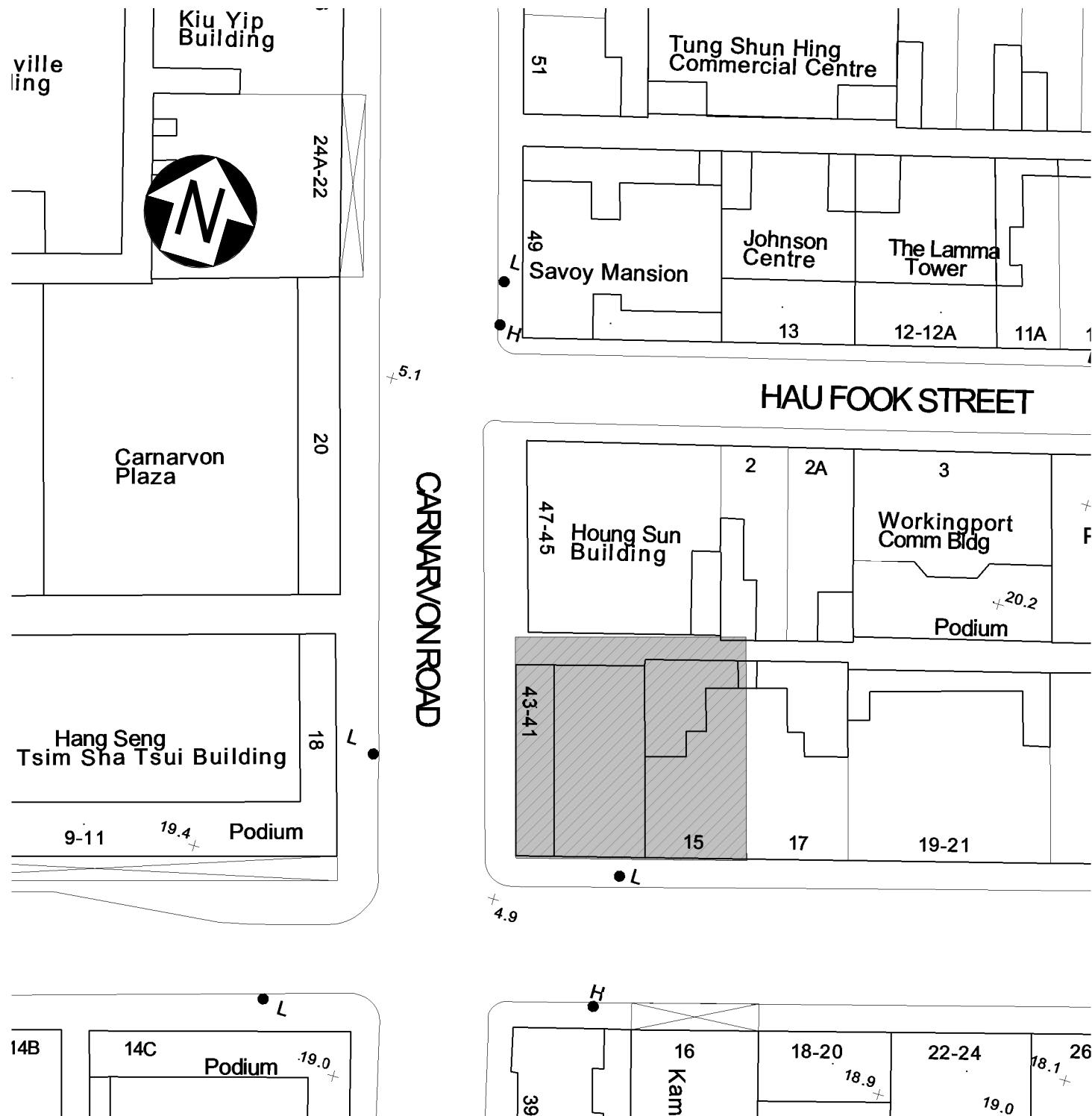
FOR REFERENCE ONLY

PROTECTIVE NOMINAL CURRENT RATING (In)	MINIMUM CABLE SIZE FOR FINAL CIRCUIT ENCLOSED IN CONDUIT / TRUNKING			
	SINGLE-PHASE CIRCUIT		THREE-PHASE CIRCUIT	
	LIVE & NEUTRAL CONDUCTORS	CIRCUIT PROTECTIVE CONDUCTORS (C.P.C.)	LIVE & NEUTRAL CONDUCTORS	CIRCUIT PROTECTIVE CONDUCTORS (C.P.C.)
6A	2x1.5mm ²	1x1.5mm ²	4x2.5mm ²	1x2.5mm ²
10A	2x2.5mm ²	1x2.5mm ²	4x2.5mm ²	1x2.5mm ²
16A	2x2.5mm ²	1x2.5mm ²	4x4.0mm ²	1x4.0mm ²
20A	2x4.0mm ²	1x4.0mm ²	4x4.0mm ²	1x4.0mm ²
32A (RADIAL)	2x6.0mm ²	1x6.0mm ²	4x10.0mm ²	1x10.0mm ²
32A (RING)	4x2.5mm ²	2x2.5mm ²	-	-
40A	2x10.0mm ²	1x10.0mm ²	4x10.0mm ²	1x10.0mm ²
50A	2x16.0mm ²	1x16.0mm ²	4x16.0mm ²	1x16.0mm ²
63A	2x25.0mm ²	1x16.0mm ²	4x25.0mm ²	1x16.0mm ²
80A	2x35.0mm ²	1x16.0mm ²	4x35.0mm ²	1x16.0mm ²
100A	-	-	4x50.0mm ²	1x25.0mm ²
125A	-	-	4x70.0mm ²	1x35.0mm ²
160A	-	-	4x120mm ²	1x70.0mm ²
200A	-	-	4x150mm ²	1x95.0mm ²



LOCATION PLAN

1 : 1000



SITE PLAN

1 : 500

DRAWING LIST		
DRAWING NUMBER	DRAWING TITLE	REVISION
EL001	GENERAL NOTES, LEGENDS, ABBREVIATION AND DRAWING LIST	0
EL100	SCHEMATIC	0
EL101	ELECTRICAL LAYOUT PLAN AT LEVEL GF, L01, L02, L03	0
EL102	ELECTRICAL LAYOUT PLAN AT LEVEL L04-L15, RF, URF, TRF	0
EL103	LIGHTING LAYOUT PLAN AT LEVEL GF, L01, L02, L03	0
EL104	LIGHTING LAYOUT PLAN AT LEVEL L04-L15, RF, URF, TRF	0
EL400	TRANSFORMER ROOM LAYOUT AT LEVEL GF	0
EL401	L.V. SWITCH ROOM LAYOUT AT LEVEL GF	0
EL402	EMERGENCY GENERATOR ROOM LAYOUT AND SECTIONAL DETAILS	0
EL403	TBE ROOM LAYOUT AT LEVEL GF	0

B.D.REFERENCE

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0 1ST SUBMISSION 08-03-2021

REV DESCRIPTION DATE

APPROVED APPROVER

CHECKED CHECKER

DESIGNED DESIGNER

DRAWN BIM MODELLER

PROJECT

CIC SAMPLE PROJECT

DRAWING TITLE

GENERAL NOTES, LEGENDS, ABBREVIATION AND DRAWING LIST

PROJECT NUMBER

PXXXXX

PURPOSE OF ISSUE

PLANNING SUBMISSION

SCALE


As indicated A1

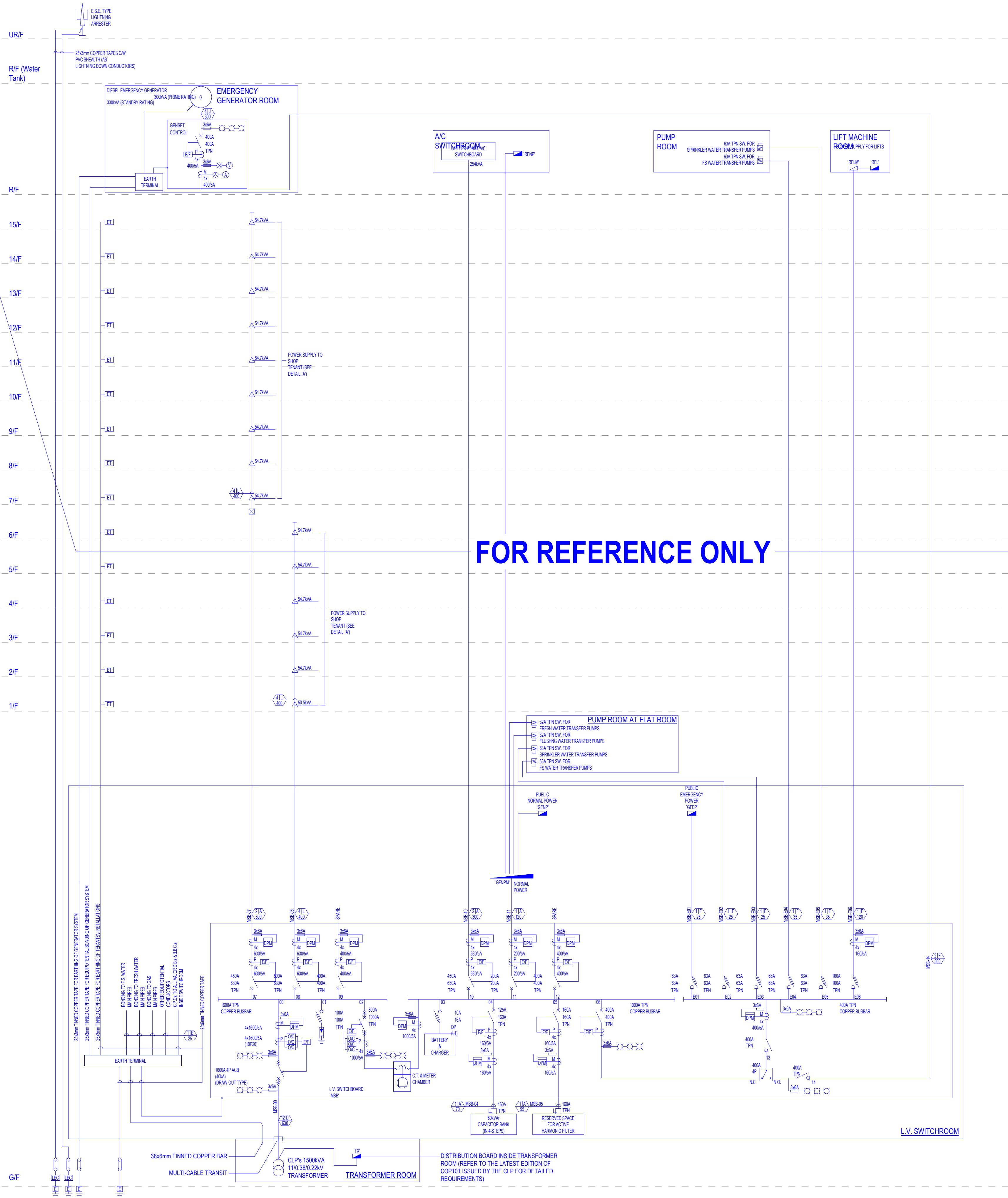
DRAWING NO.

PXXXXX/EL001

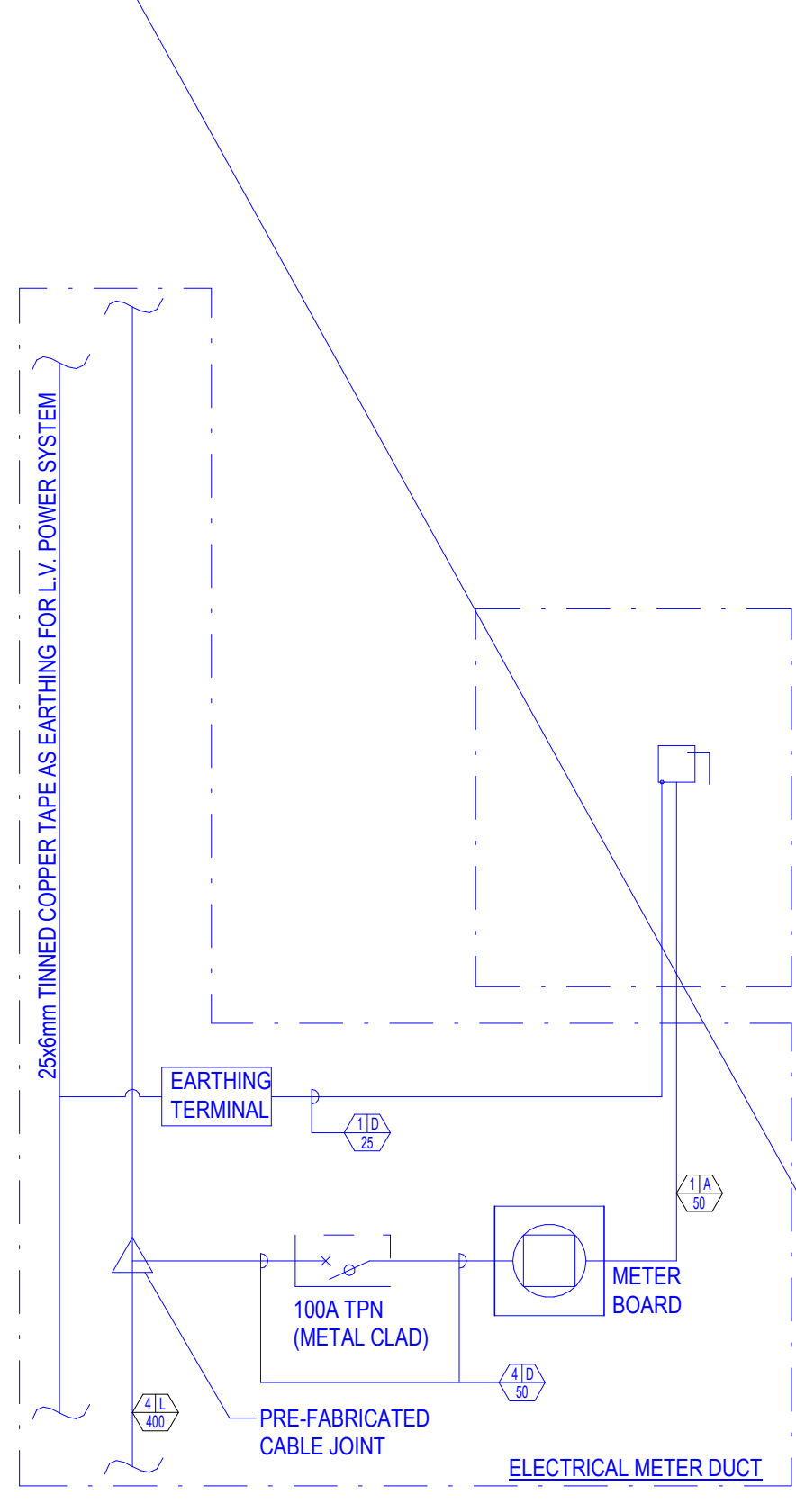
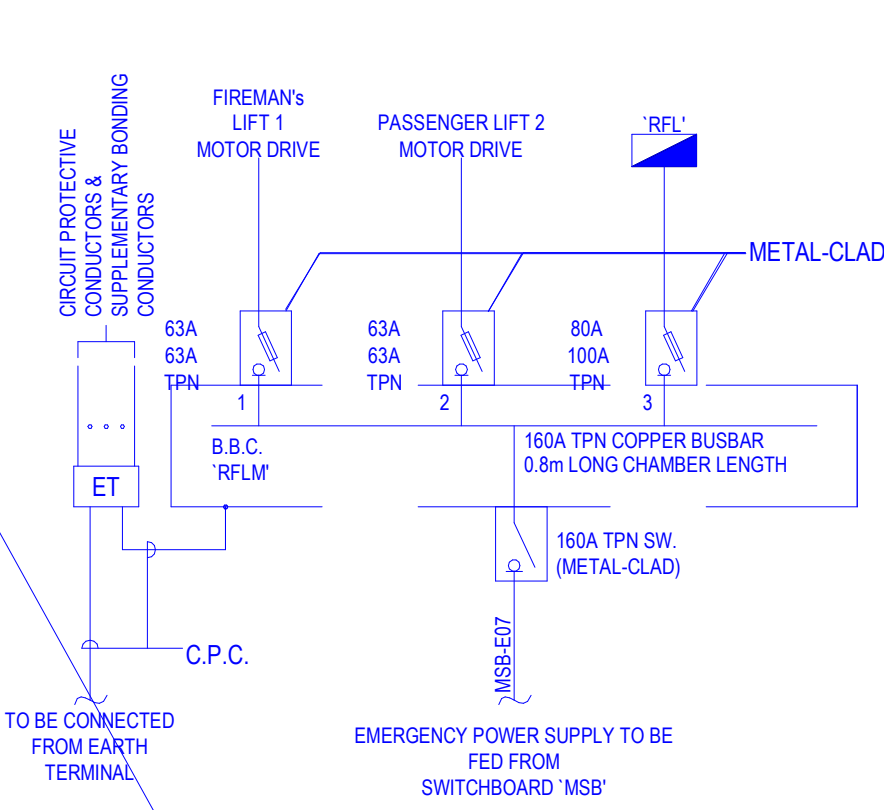
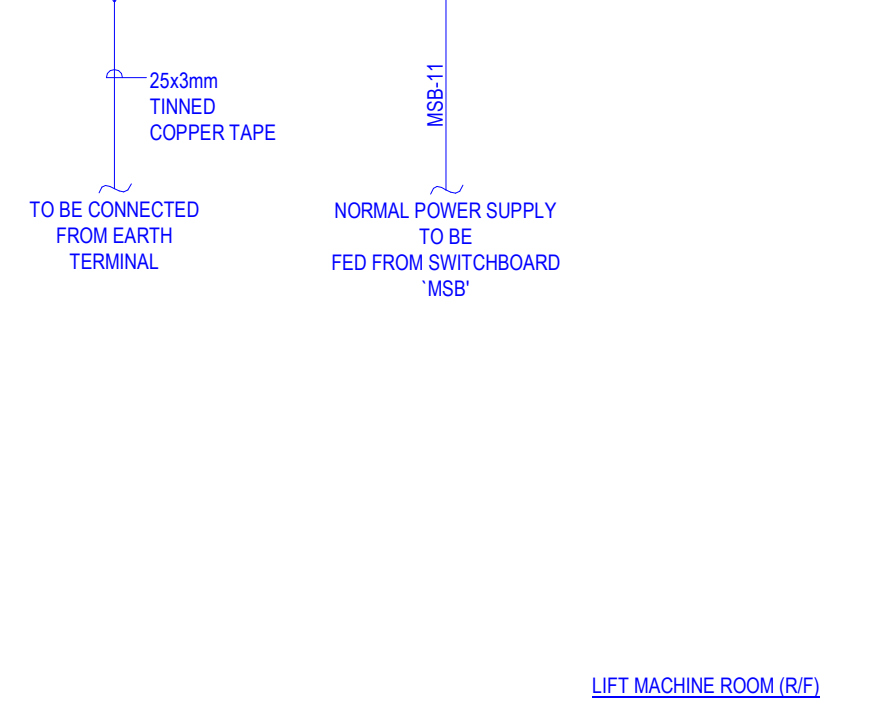
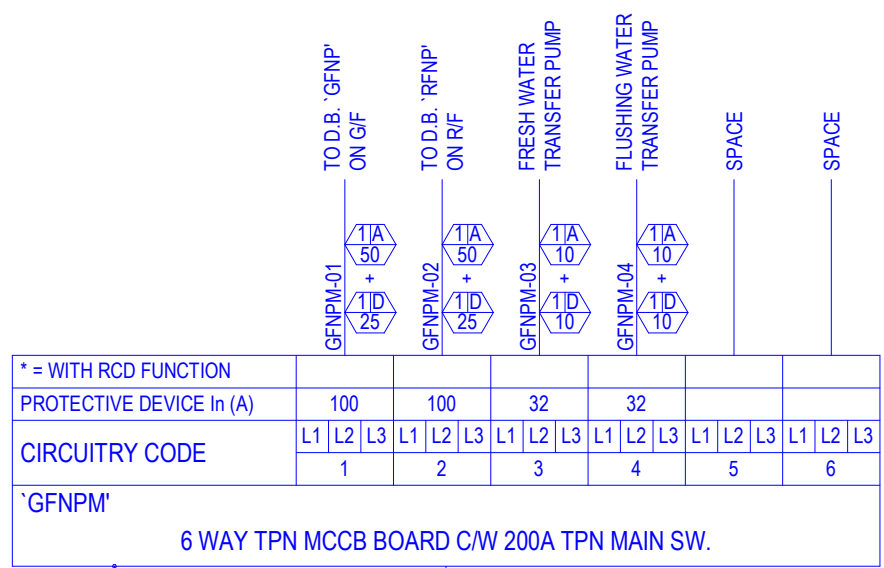
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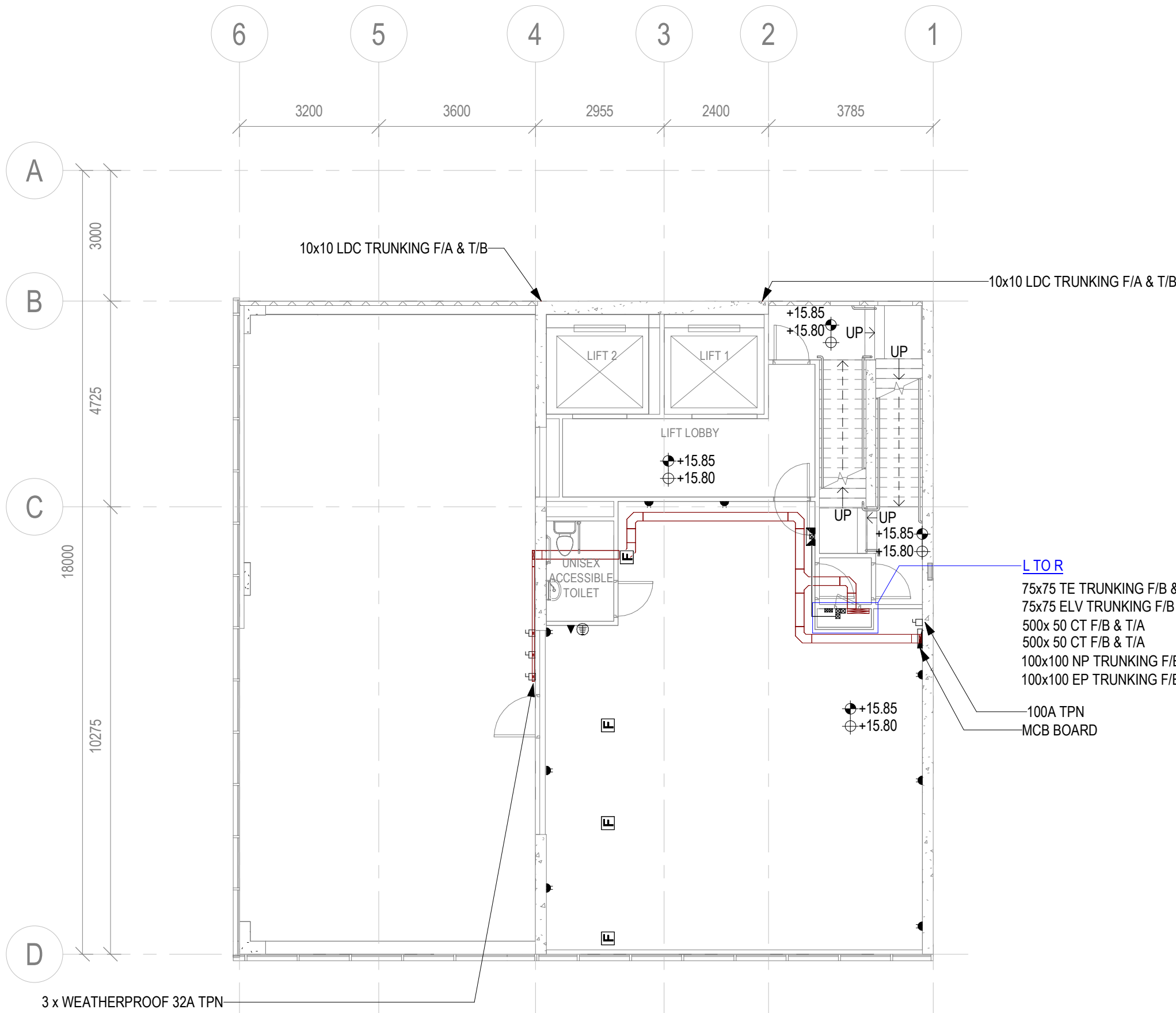


1 SCHEMATIC LV DIAGRAM
1 : 100

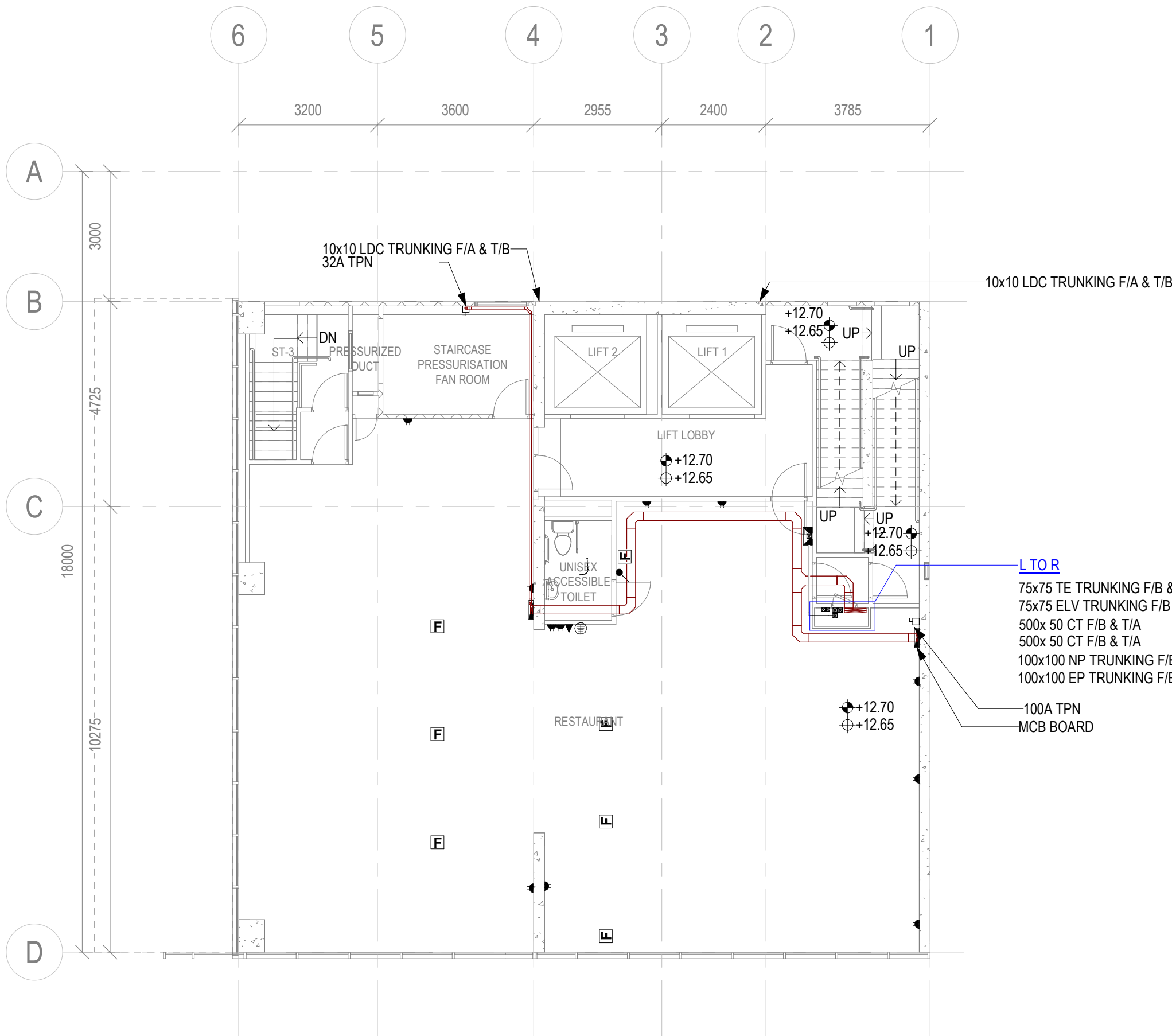


3 SCHEMATIC LV DIAGRAM
1 : 100

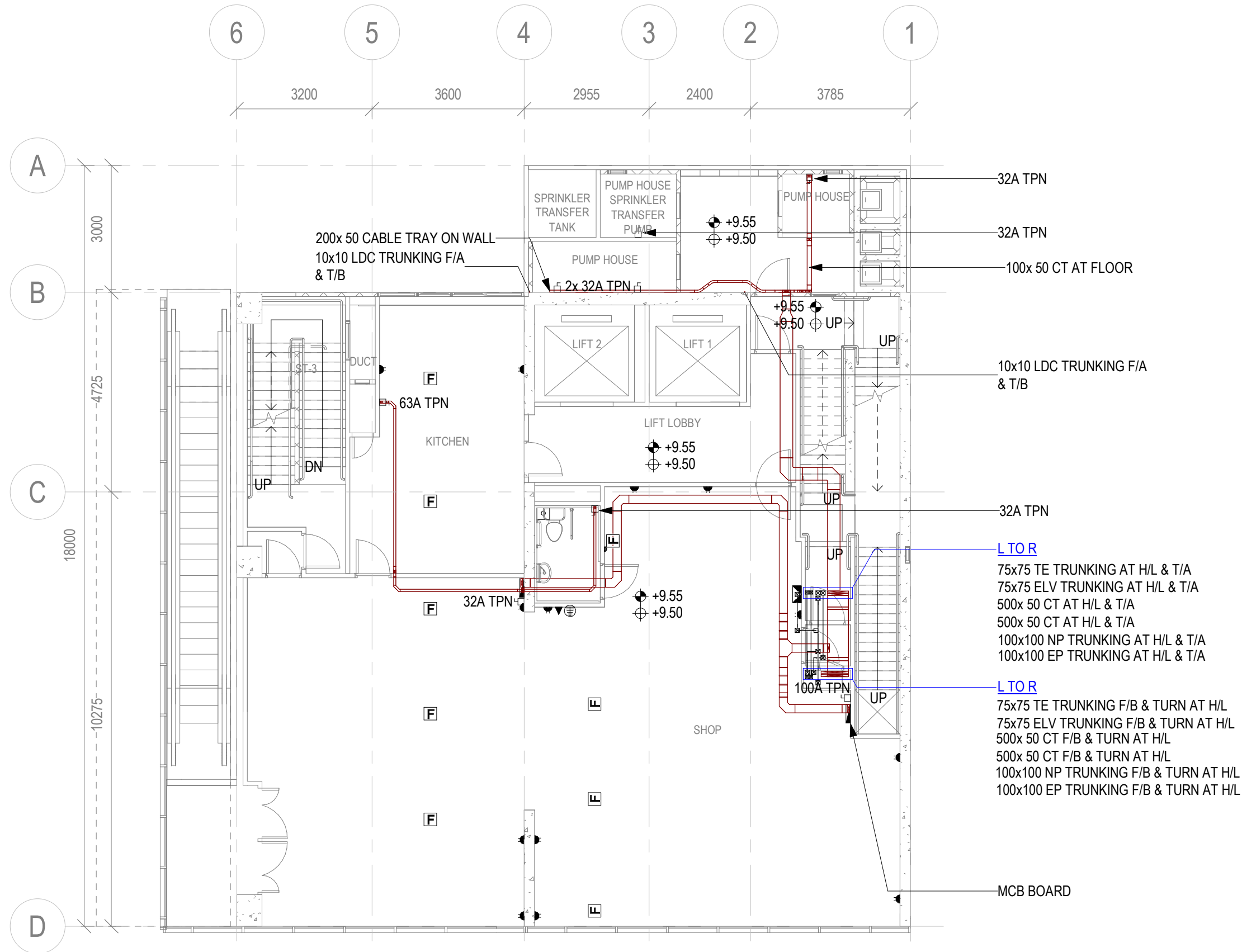
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APPROVED APPROVER		
CHECKED CHECKER		
DESIGNED DESIGNER		
DRAWN BIM MODELLER		
PROJECT		
CIC SAMPLE PROJECT		
DRAWING TITLE		
SCHEMATIC		
PROJECT NUMBER PXXXXX		
PURPOSE OF ISSUE PLANNING SUBMISSION		
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DRAWING NO. PXXXXX/EL100		
REV 0		



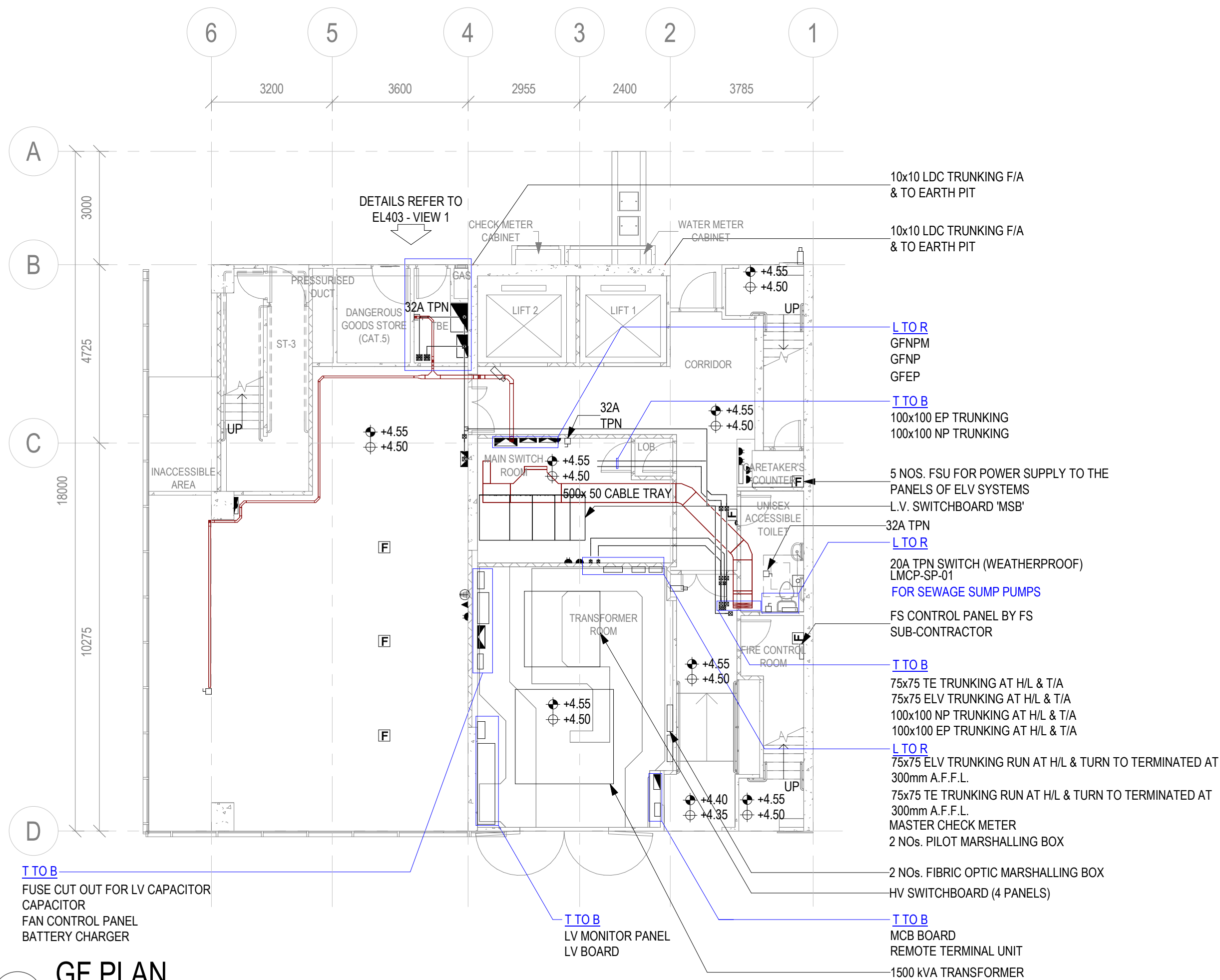
4 L03 PLAN
1:100



3 L02 PLAN
1:100

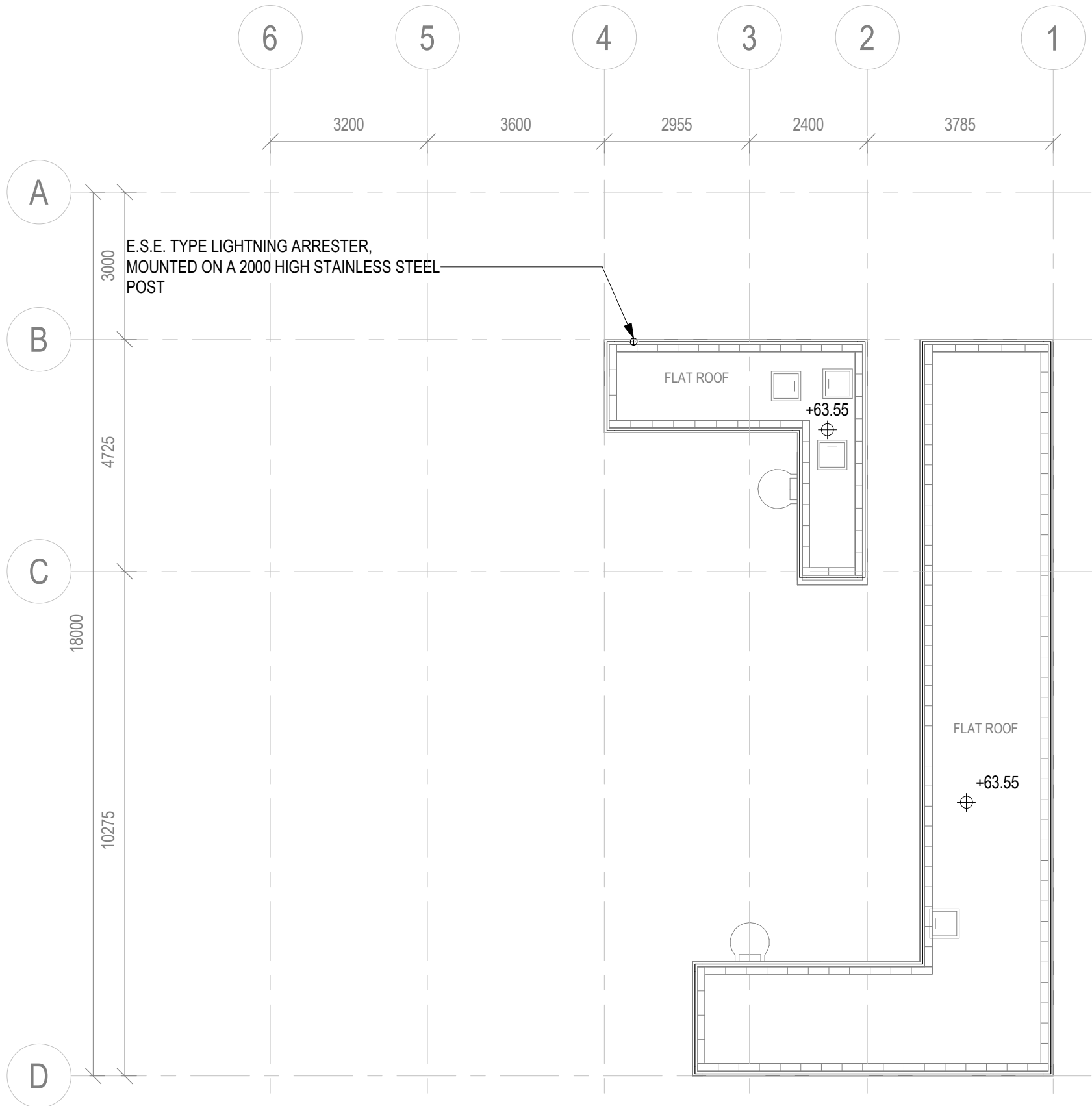


2 L01 PLAN
1:100

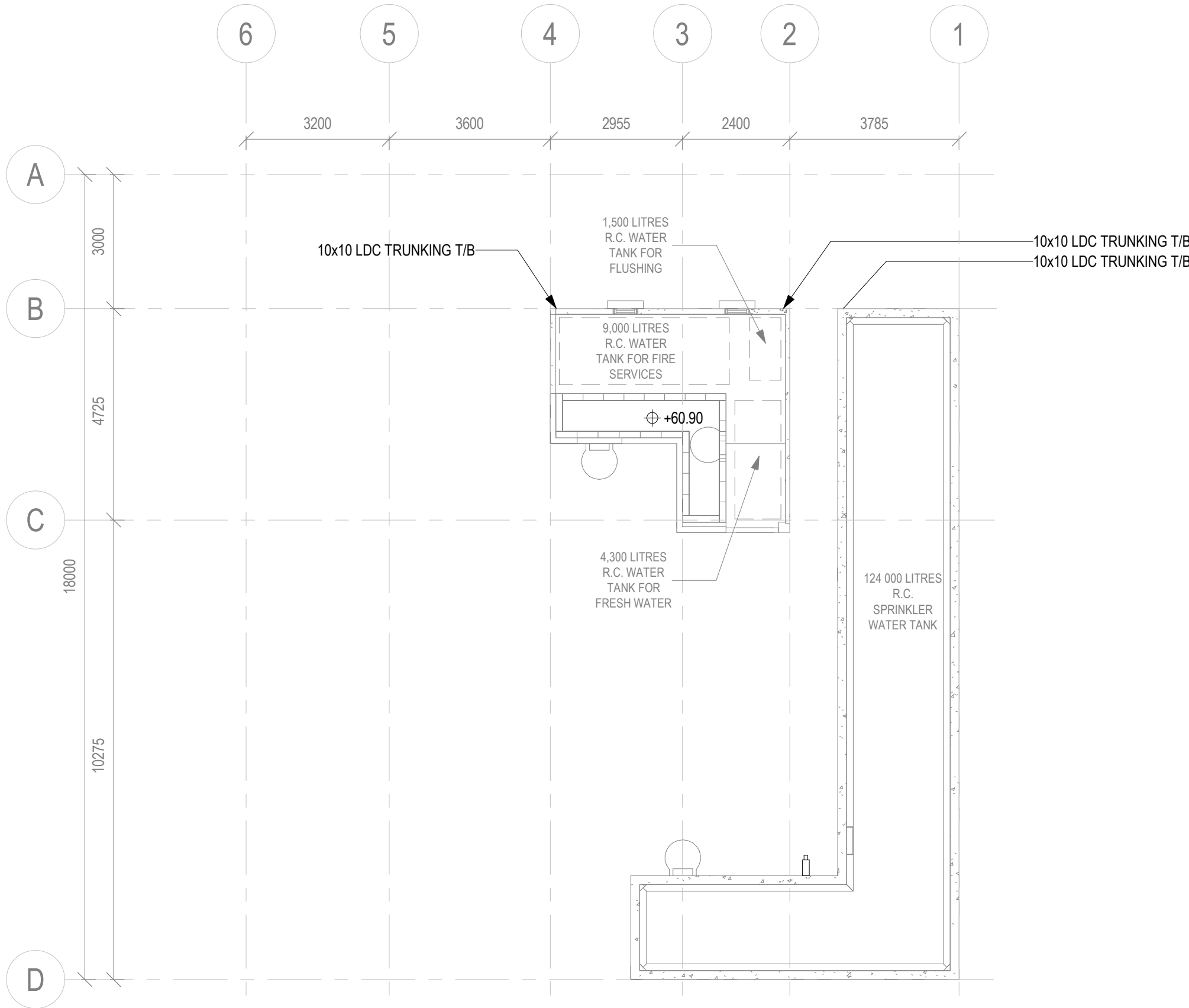


1 GF PLAN
1:100

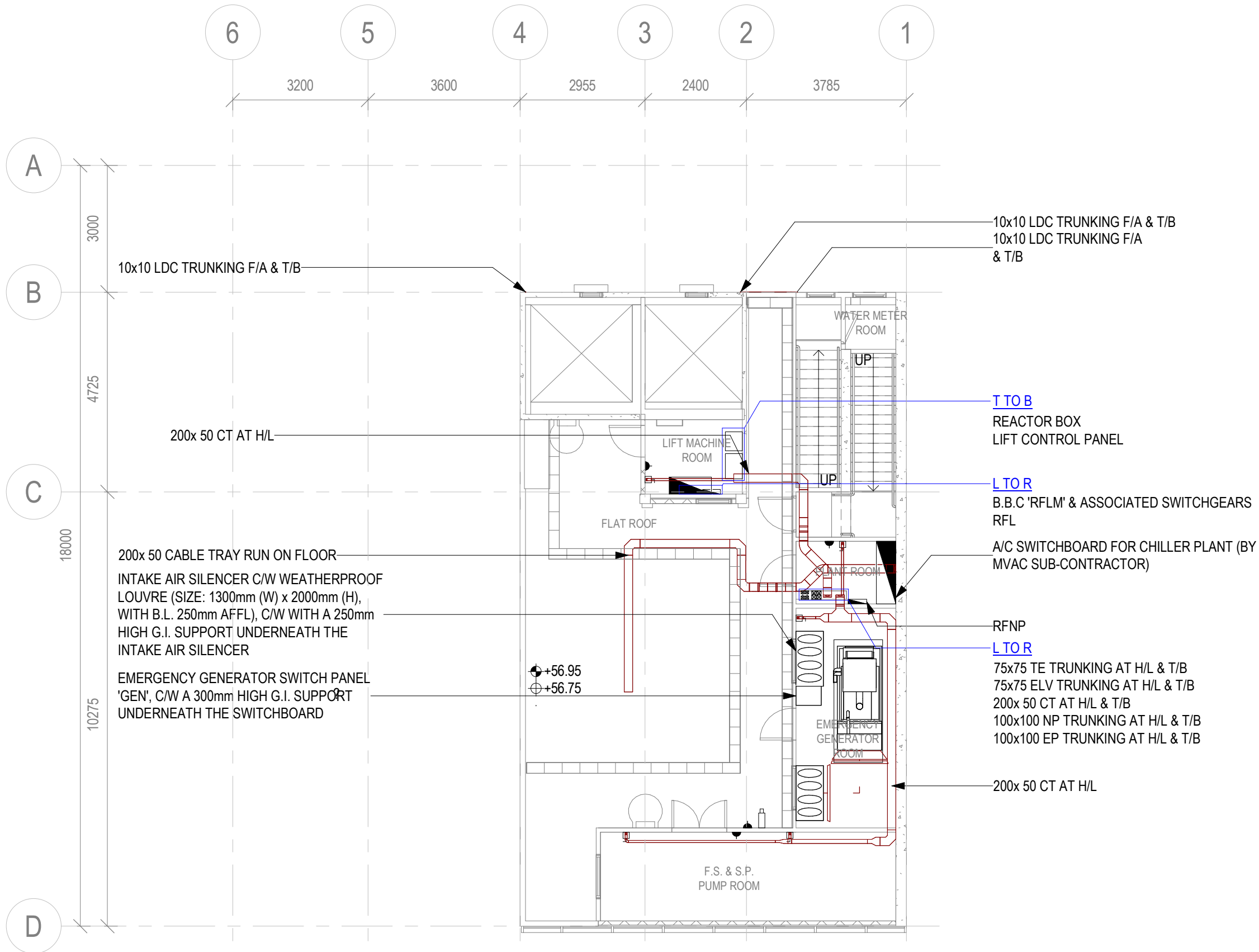
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CLIENT LOGO		
CONSULTANT LOGO		
DO NOT SCALE DRAWINGS. ALL DIMENSIONS SHALL BE VERIFIED ON SITE.		
APPOINTING PARTY / CLIENT REVIEW & ACCEPT		
T - ACCEPTED (TIME)		
A - REVIEWED & ACCEPTED		
B - REVIEWED & ACCEPTED WITH COMMENTS		
C - DO NOT USE		
DATE		
ID		
LEAD CONSULTANT / LEAD CONTRACTOR REVIEW & AUTHORISATION		
A - REVIEWED & AUTHORISED		
B - REVIEWED & AUTHORISED WITH COMMENTS		
C - DO NOT USE		
DATE		
ID		
0 1ST SUBMISSION 08-03-2021		
REV	DESCRIPTION	DATE
	NAME AND DESIGNATION	DATE
APPROVED	APPROVER	
CHECKED	CHECKER	
DESIGNED	DESIGNER	
DRAWN	BIM MODELLER	
PROJECT		
CIC SAMPLE PROJECT		
DRAWING TITLE		
ELECTRICAL LAYOUT PLAN AT LEVEL GF, L01, L02, L03		
PROJECT NUMBER PXXXXX		
PURPOSE OF ISSUE PLANNING SUBMISSION		
SCALE 1:100 A1		
DRAWING NO. PXXXXX/EL101		
REV 0		



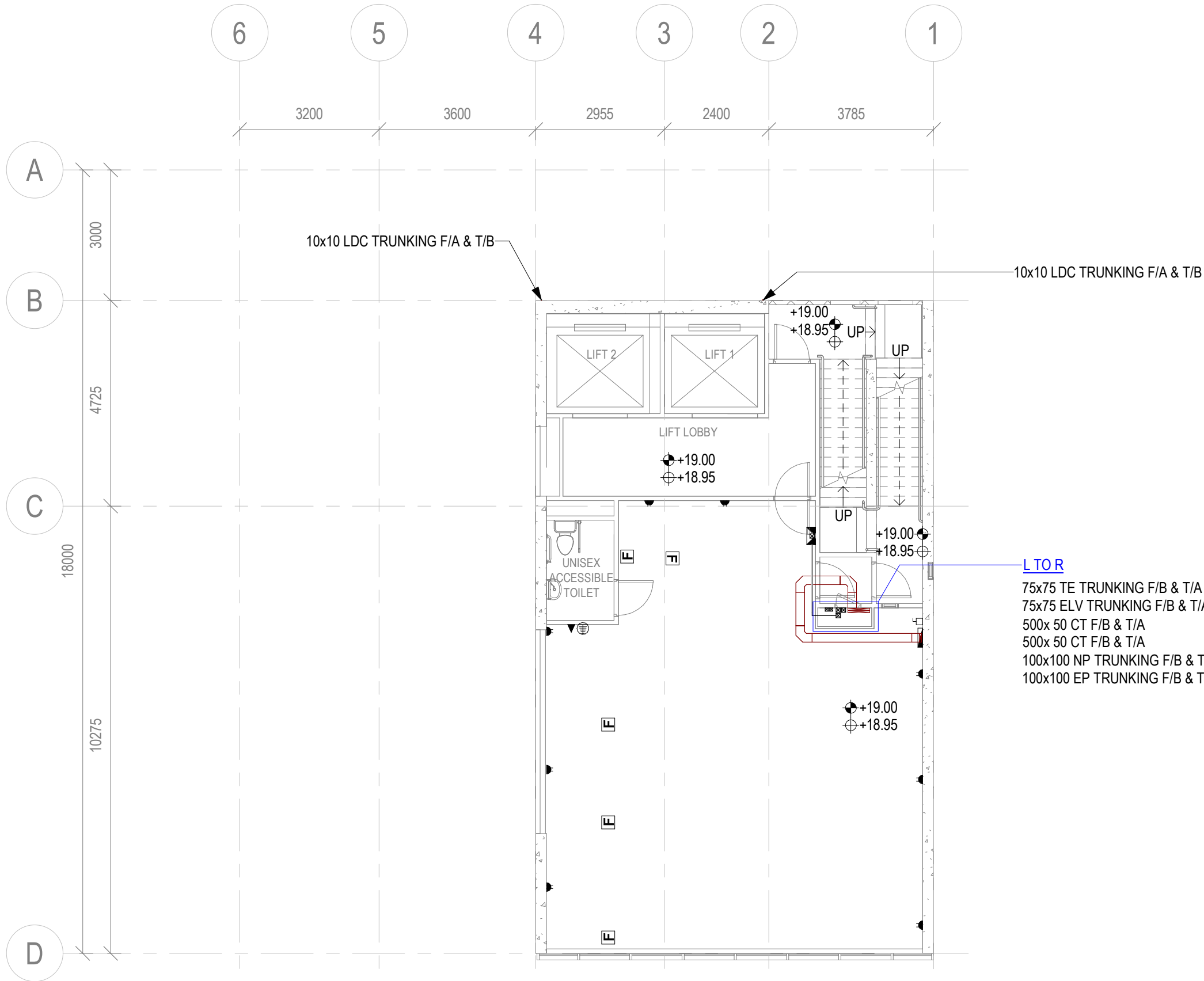
8 TRF PLAN
1 : 100



7 URF PLAN
1 : 100



6 RF PLAN
1 : 100



5 L04-L15 PLAN
1 : 100

B.D.REFERENCE

F.S.D.REFERENCE

W.W.O.REFERENCE

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Blue colour stands for "Not directly generated by BIM system but by manual input"

QR Code on drawing is an innovative idea to bridge between 2D drawings and 3D BIM model/2D BIM presentations when a Cloud Platform such as CDE is available.

CLIENT LOGO

CONSULTANT LOGO

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01ST SUBMISSION08-03-2021

REVDESCRIPTIONDATE

APPROVEDAPPROVER

CHECKEDCHECKER

DESIGNEDDESIGNER

DRAWNBIM MODELLER

PROJECT

CIC SAMPLE PROJECT

DRAWING TITLE

ELECTRICAL LAYOUT PLAN AT LEVEL L04-L15, RF, URF, TRF

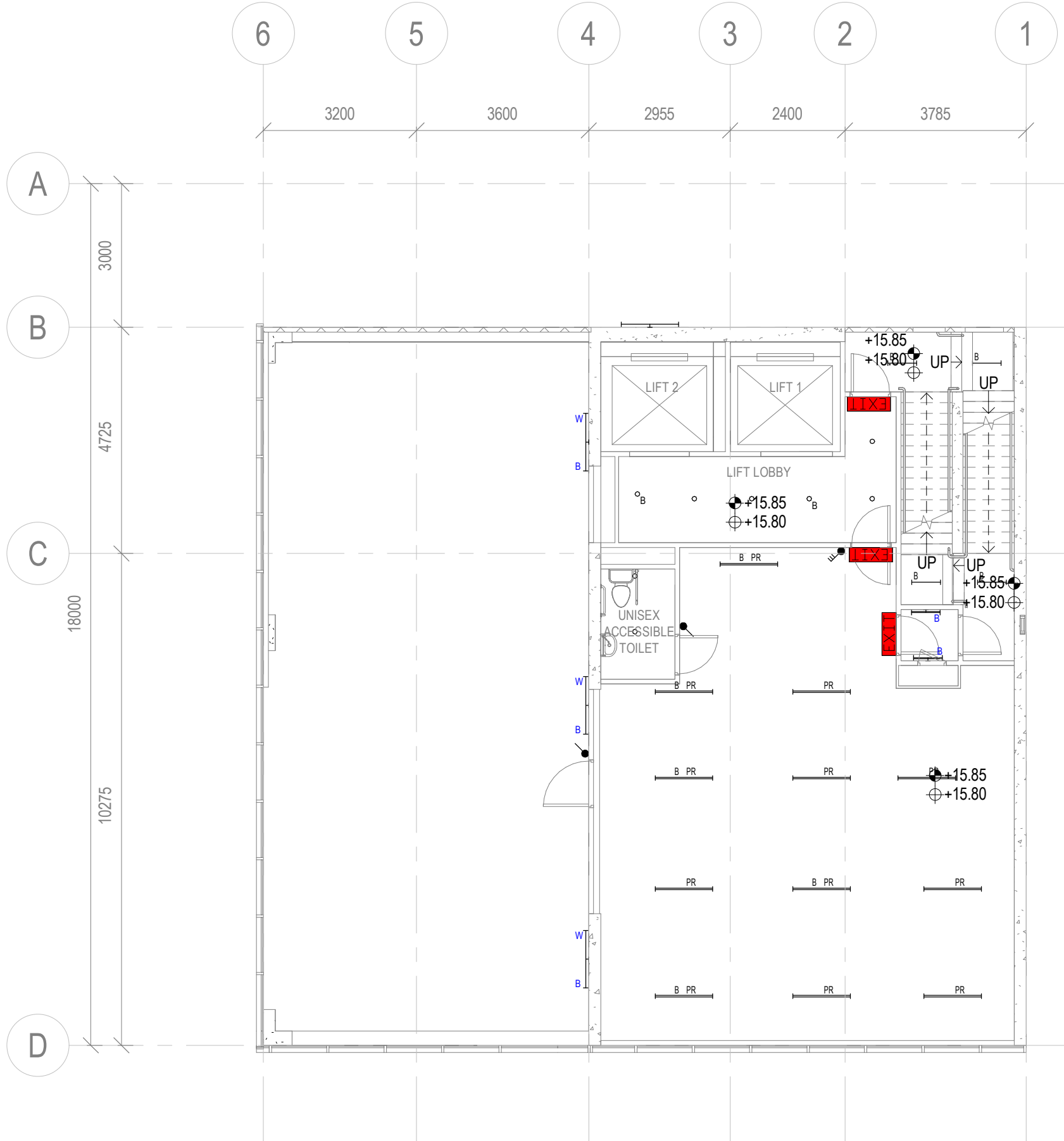
PROJECT NUMBERPXXXXX

PURPOSE OF ISSUEPLANNING SUBMISSION

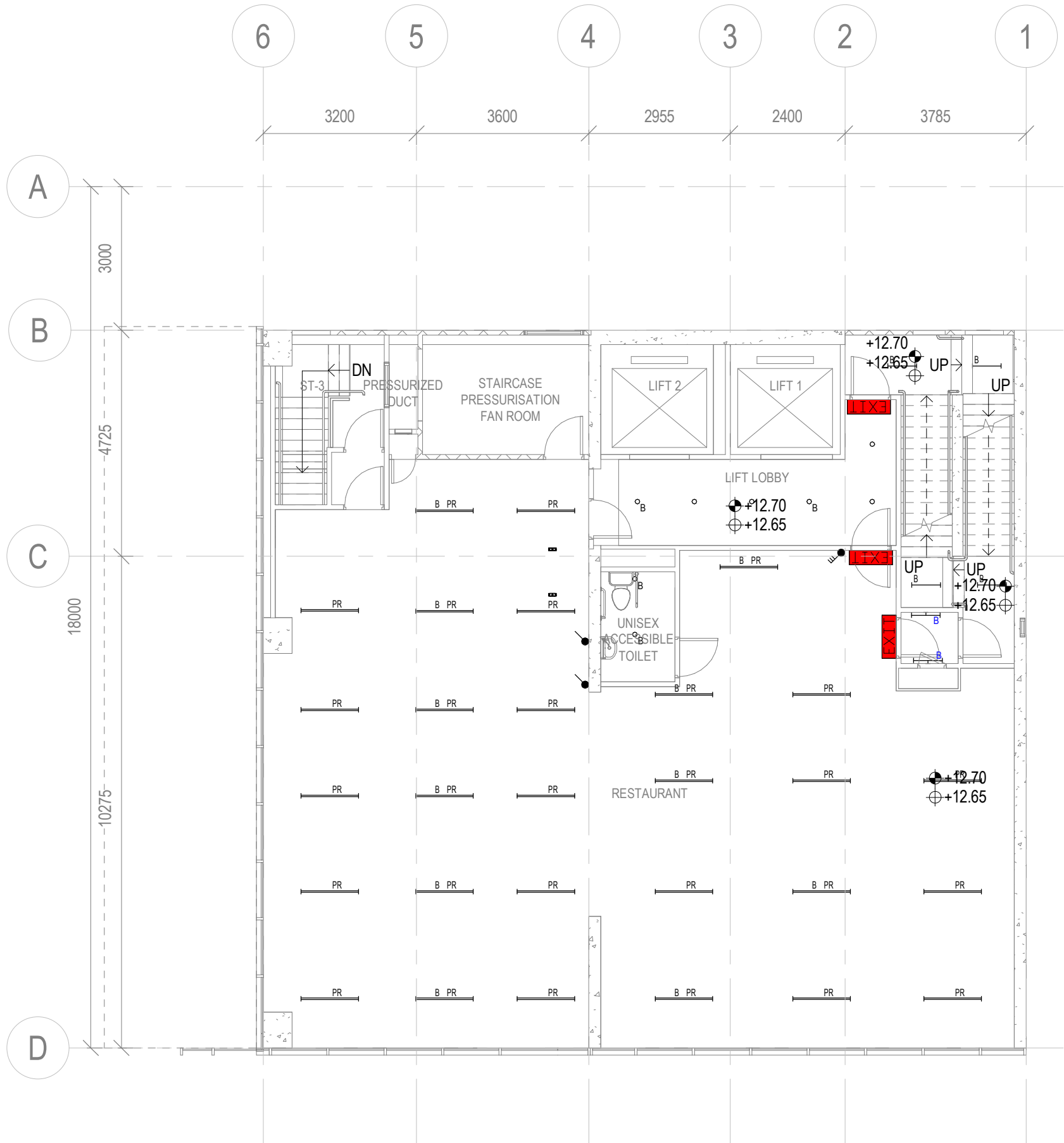
SCALE1 : 100 A1

DRAWING NO.PXXXXX/EL102

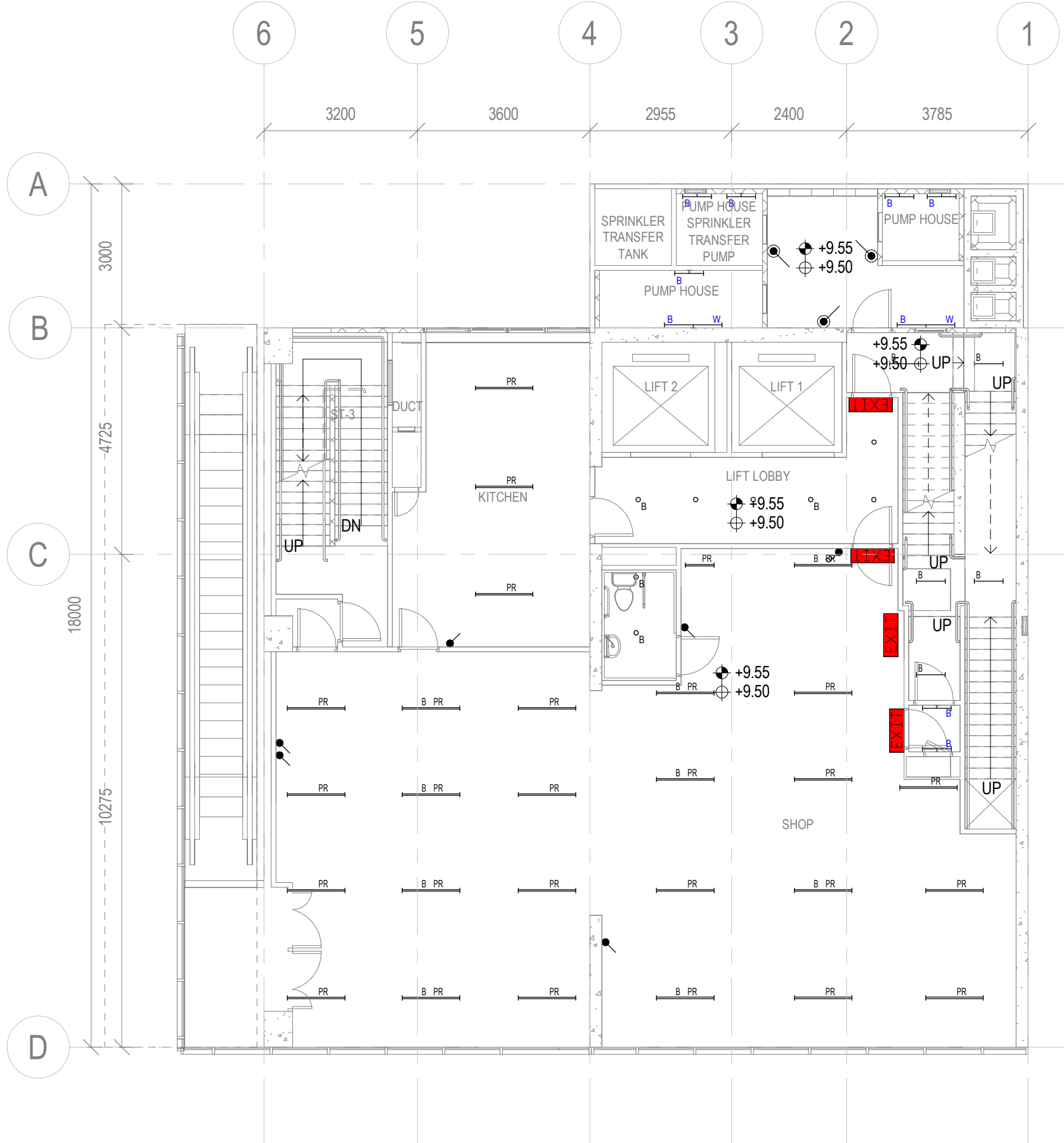
REV0



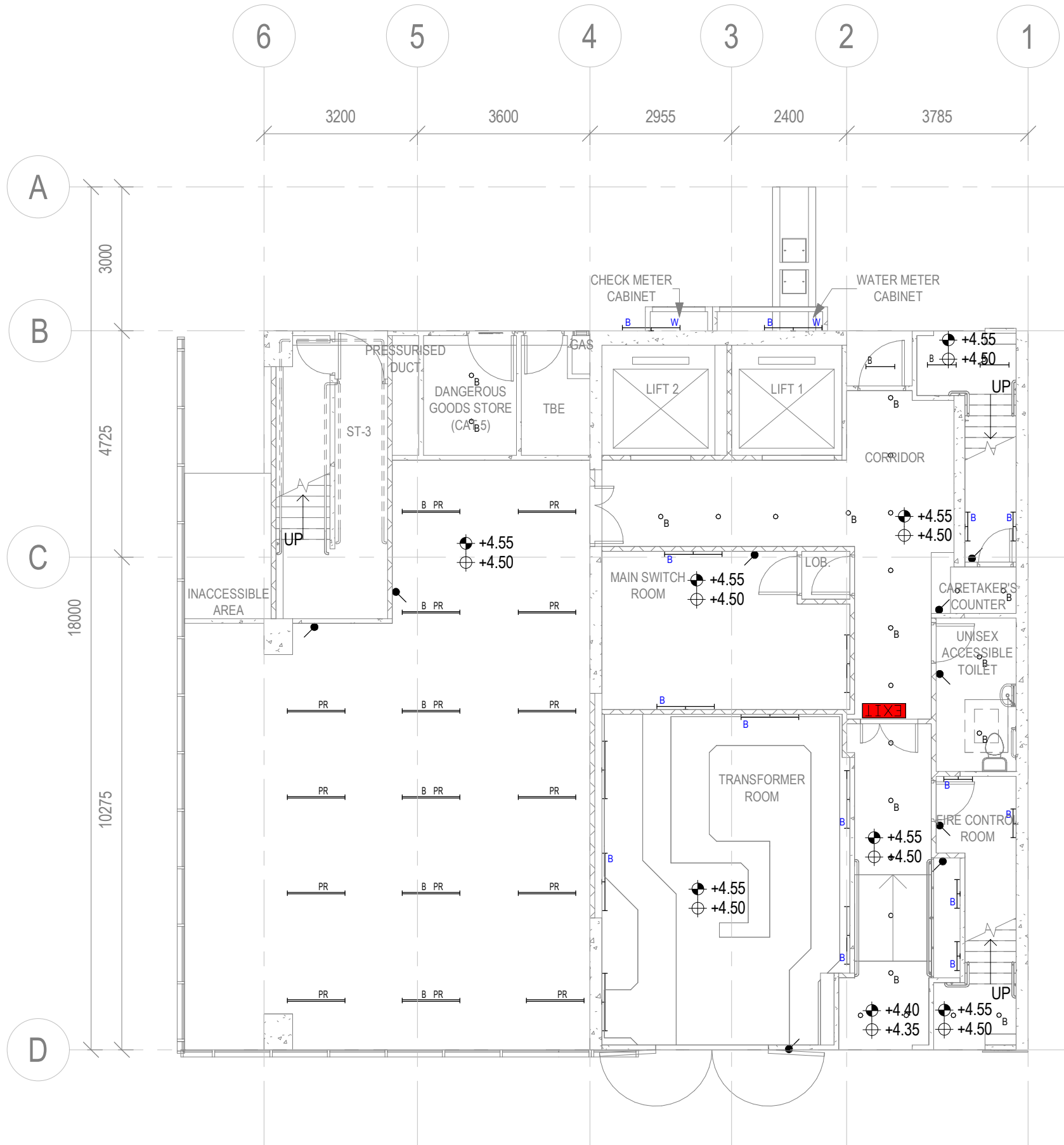
4 L03 PLAN
1: 100



3 L02 PLAN
1: 100



2 L01 PLAN
1: 100



1 GF PLAN
1: 100

B.D.REFERENCE

F.S.D.REFERENCE

W.W.O.REFERENCE

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1ST SUBMISSION

08-03-2021

REV

DESCRIPTION

DATE

APPROVED

APPROVER

DD/MM/YYYY

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CHECKER

DD/MM/YYYY

DESIGNED

DESIGNER

DD/MM/YYYY

DRAWN

BIM MODELLER

DD/MM/YYYY

PROJECT

CIC SAMPLE PROJECT

DRAWING TITLE

LIGHTING LAYOUT PLAN AT LEVEL GF, L01, L02, L03

PROJECT NUMBER

PXXXXX

PURPOSE OF ISSUE

PLANNING SUBMISSION

SCALE


1 : 100 A1

DRAWING NO.

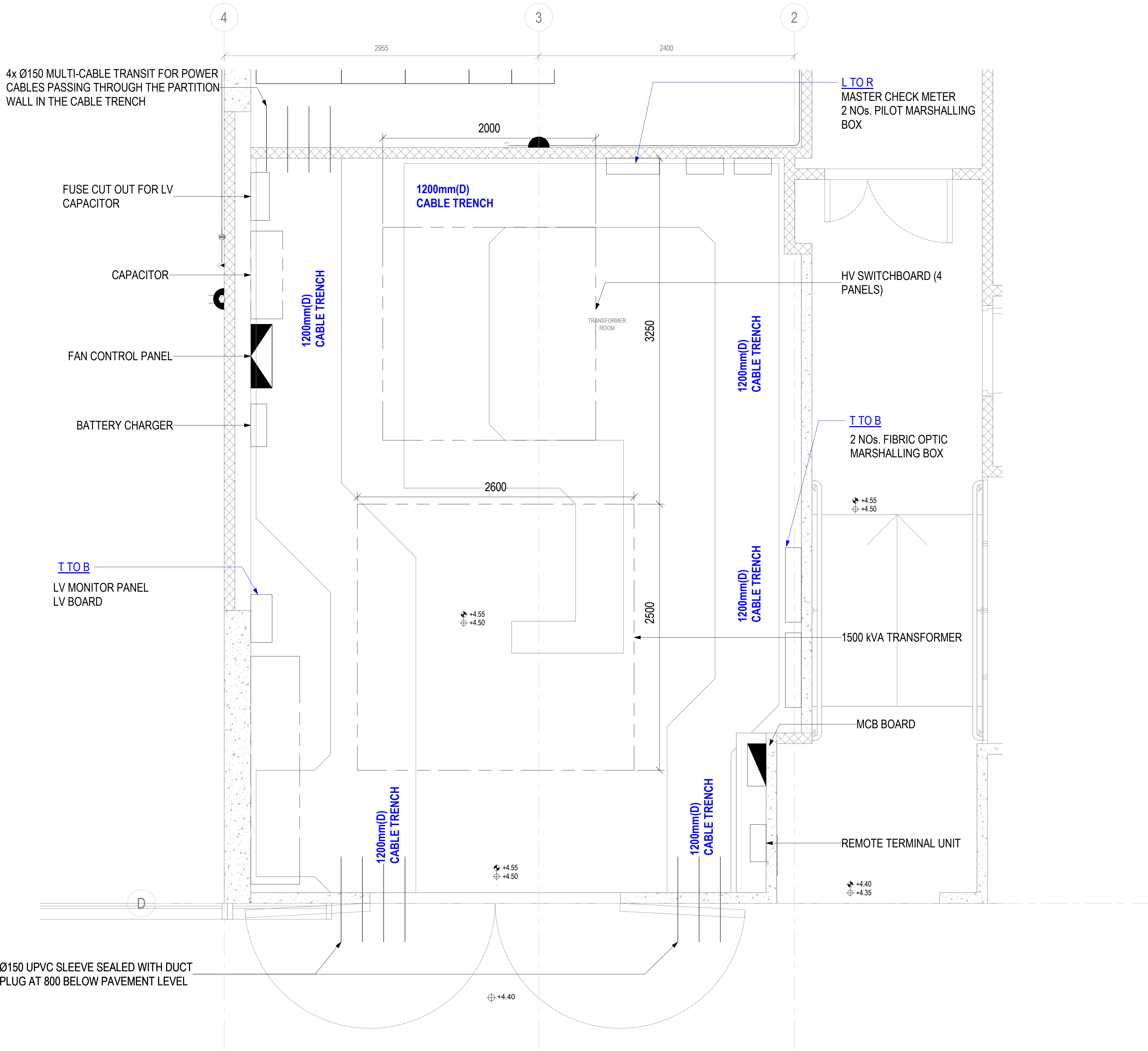
PXXXXX/EL103

REV

0



PLOT DRV: 11/11/2021 6:28:09 pm
MODELNAME: FILENAME:
PRINTED BY:



4x Ø150 MULTI-CABLE TRANSIT FOR POWER CABLES PASSING THROUGH THE PARTITION WALL IN THE CABLE TRENCH

FUSE CUT OUT FOR LV CAPACITOR

CAPACITOR

FAN CONTROL PANEL

BATTERY CHARGER

T TO B
LV MONITOR PANEL
LV BOARD

Ø150 UPVC SLEEVE SEALED WITH DUCT PLUG AT 800 BELOW PAVEMENT LEVEL

1 TRANSFORMER ROOM LAYOUT
1 : 20

B.D.REFERENCE

F.S.D.REFERENCE

W.W.O.REFERENCE

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CLIENT LOGO

CONSULTANT LOGO

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C - DO NOT USE

DATE

ID

0	1ST SUBMISSION	08-03-2021
REV	DESCRIPTION	DATE
	NAME AND DESIGNATION	DATE
APPROVED	APPROVER	
CHECKED	CHECKER	
DESIGNED	DESIGNER	
DRAWN	BIM MODELLER	

PROJECT

CIC SAMPLE PROJECT

DRAWING TITLE

TRANSFORMER ROOM LAYOUT AT LEVEL GF

PROJECT NUMBER

PXXXXX

PURPOSE OF ISSUE

PLANNING SUBMISSION

SCALE

1 : 20 A1

DRAWING NO.

PXXXXX/EL400

REV

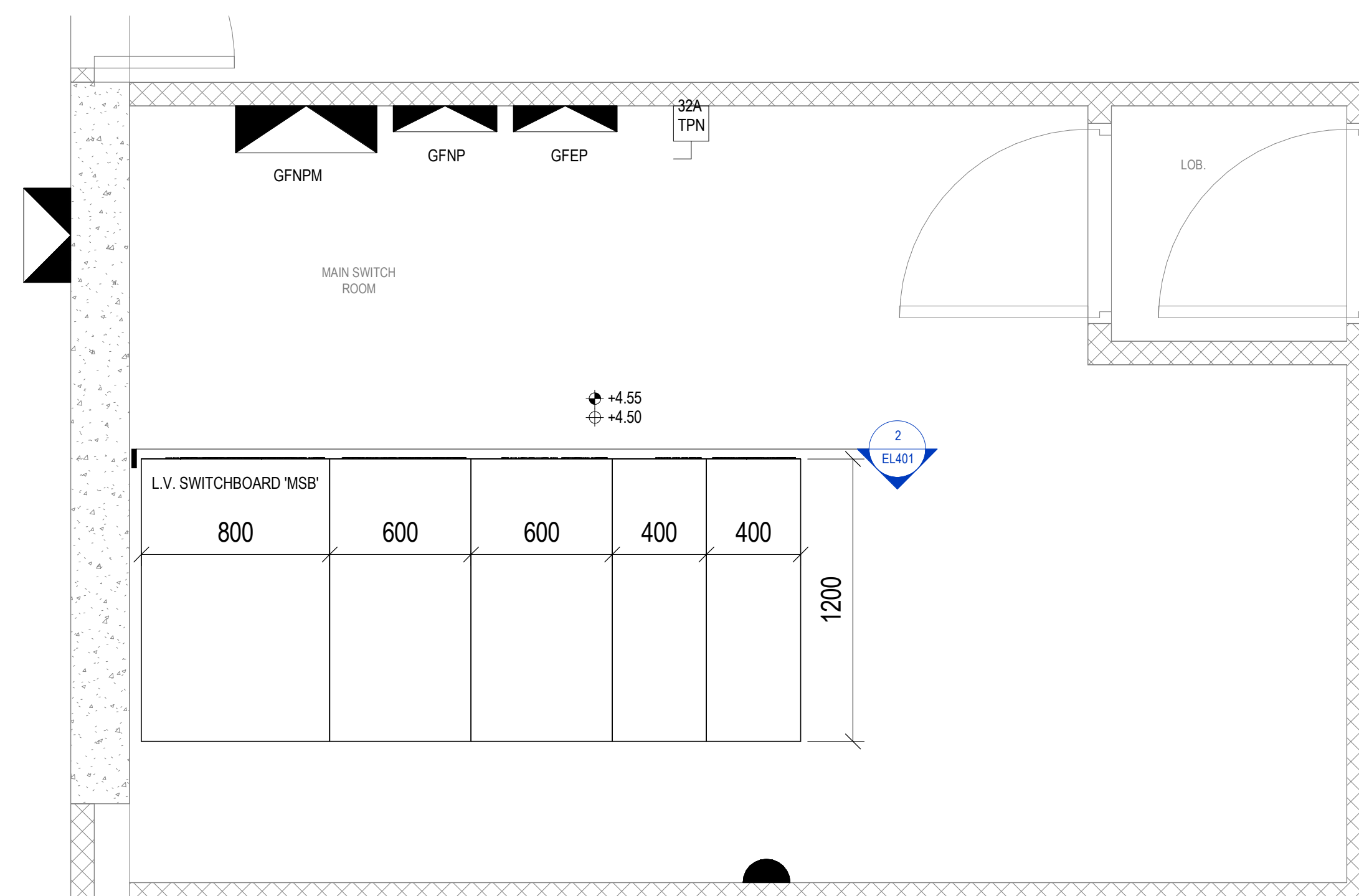
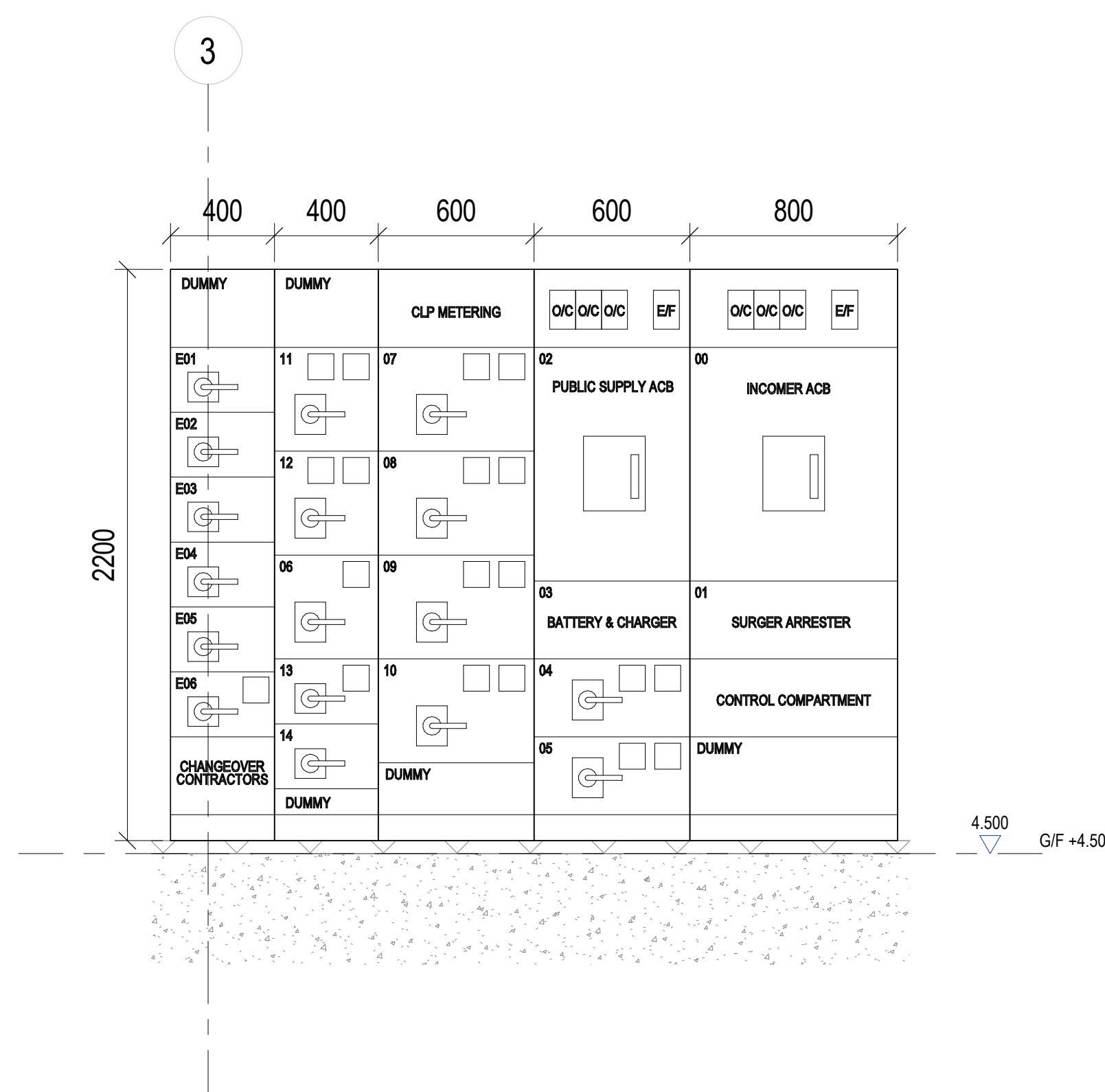
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PLOT DRV: 11/11/2021 6:28:17 pm

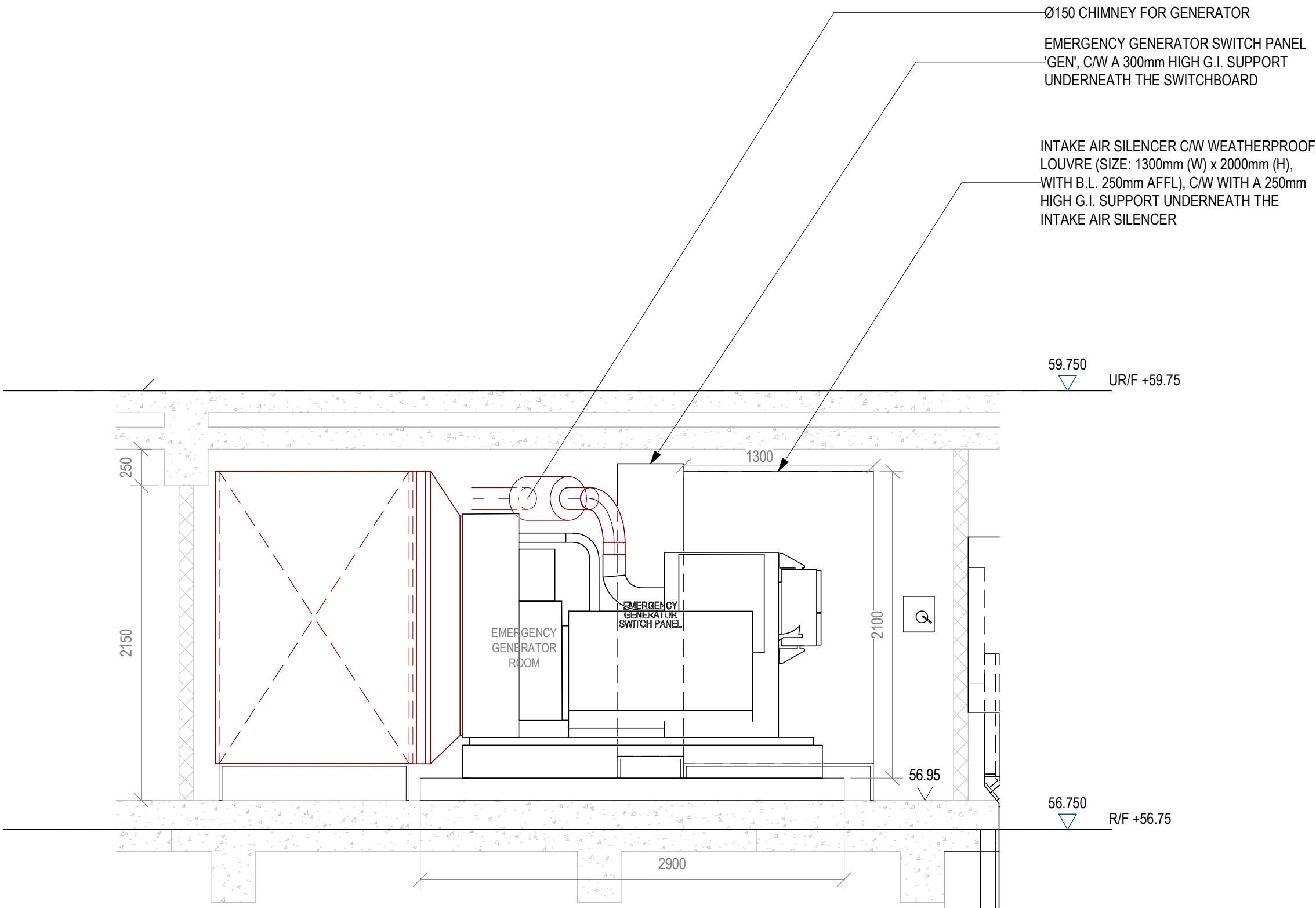
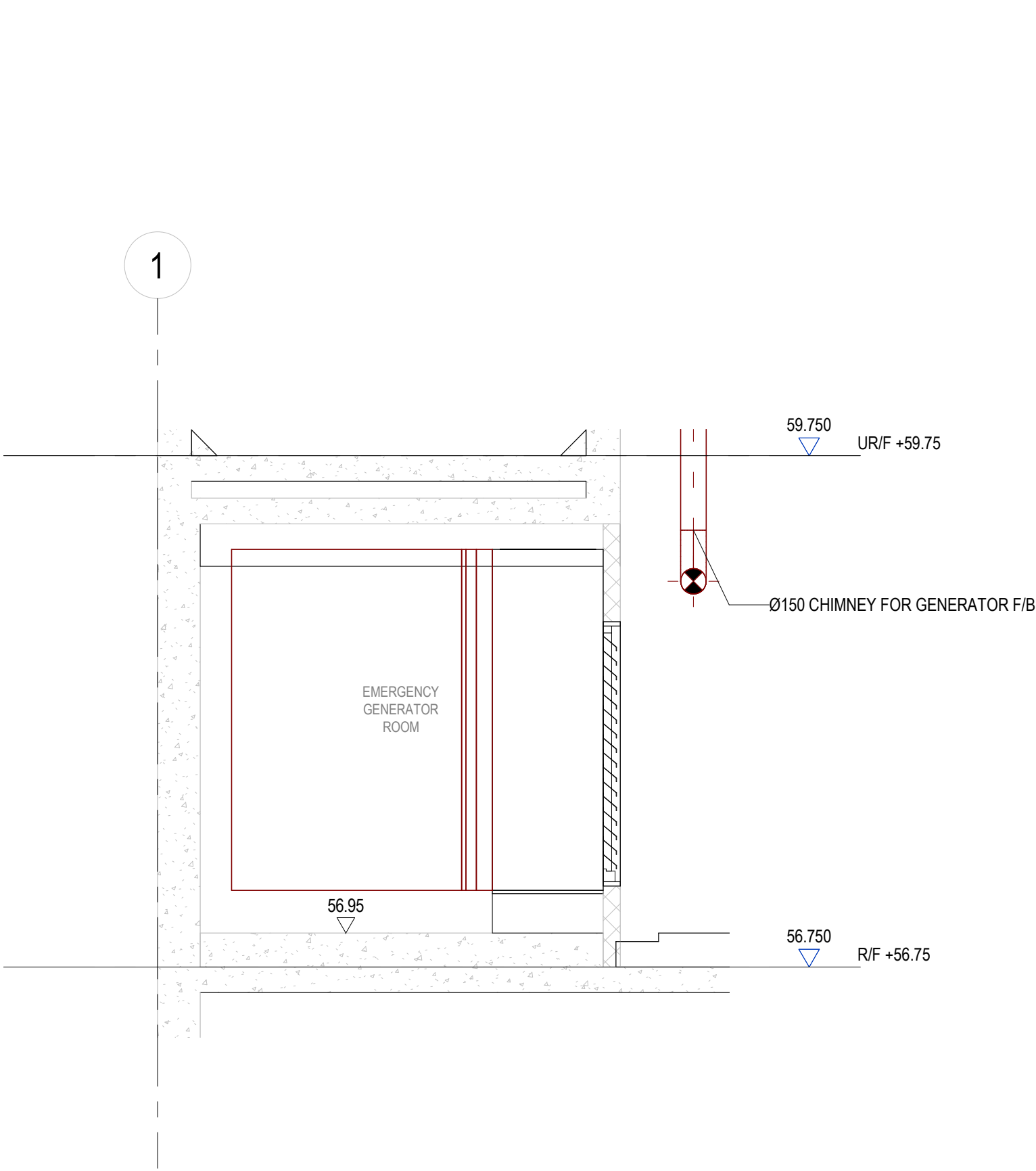
PRINTED BY:

MODELNAME:

FILENAME:

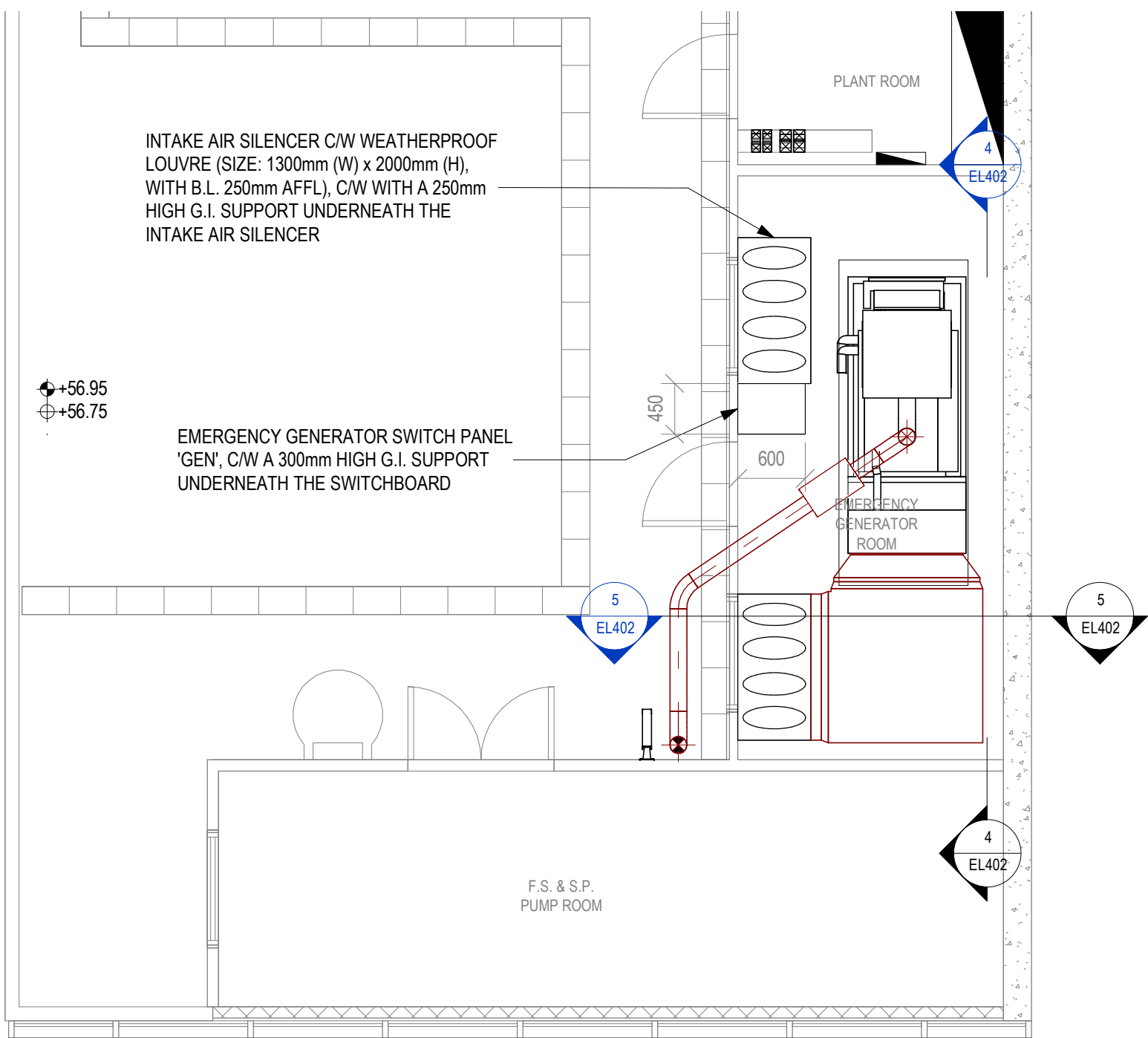
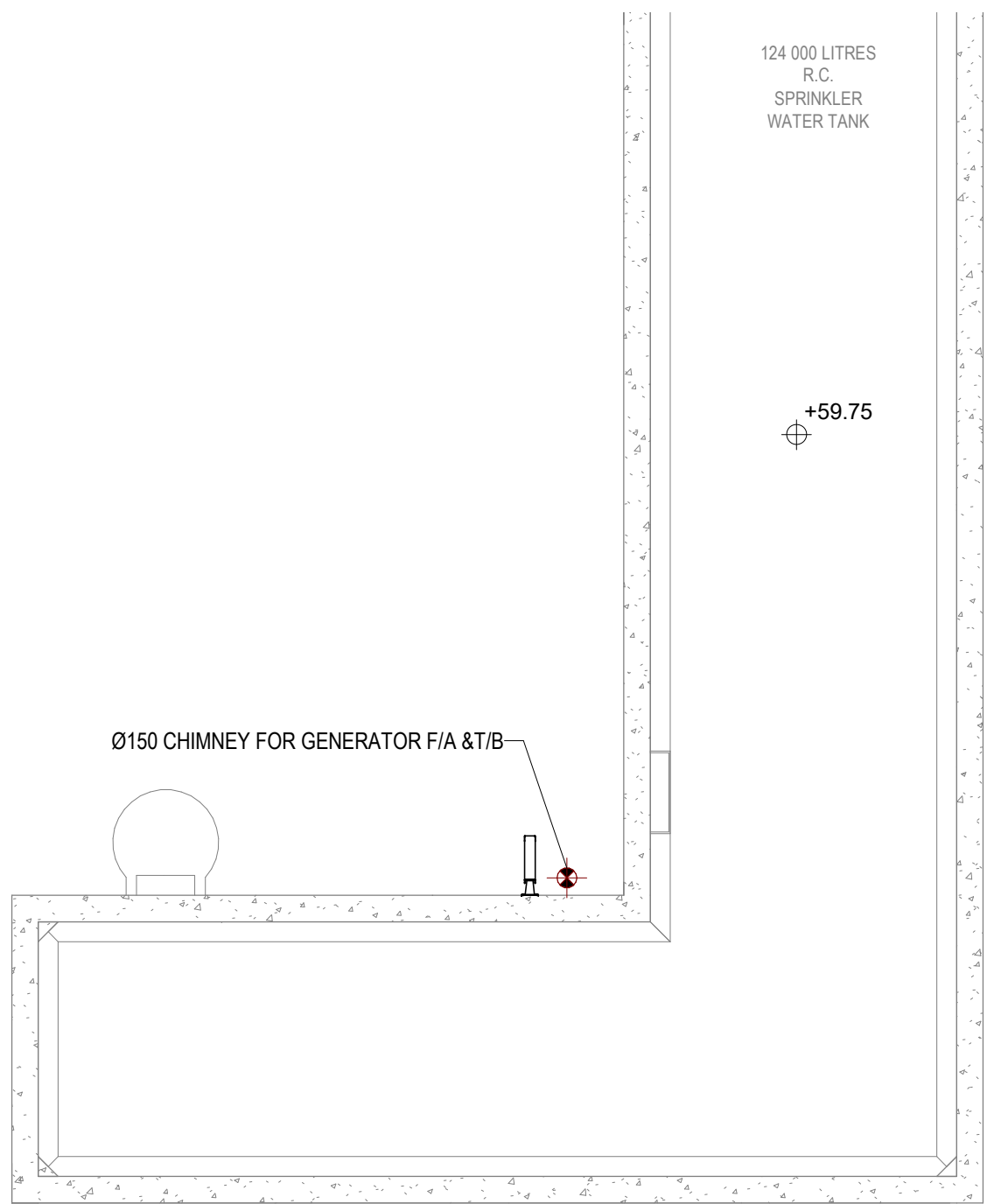
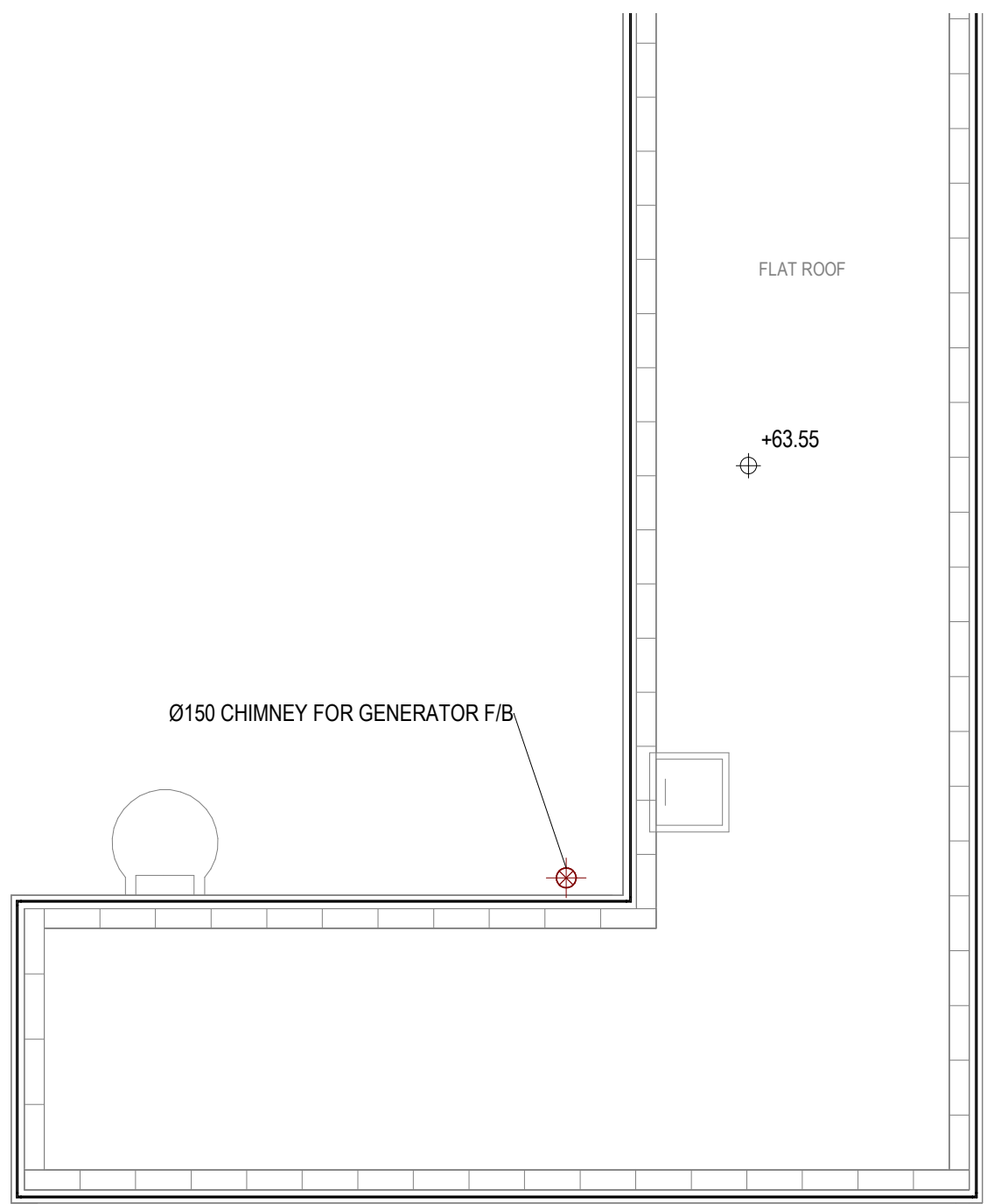


B.D. REFERENCE		
F.S.D. REFERENCE		
W.W.O. REFERENCE		
DO NOT SCALE DRAWINGS. ALL DIMENSIONS SHALL BE VERIFIED ON SITE.		
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CLIENT LOGO		
<div><div>CONSTRUCTION INDUSTRY COUNCIL 建造業議會</div></div>		
CONSULTANT LOGO		
<div><div>CONSTRUCTION INDUSTRY COUNCIL 建造業議會</div></div>		
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0 1ST SUBMISSION 08-03-2021		
REV DESCRIPTION DATE		
NAME AND DESIGNATION		DATE
APPROVED	APPROVER	
CHECKED	CHECKER	
DESIGNED	DESIGNER	
DRAWN	BIM MODELLER	
PROJECT		
CIC SAMPLE PROJECT		
DRAWING TITLE		
L.V. SWITCH ROOM LAYOUT AT LEVEL GF		
PROJECT NUMBER		
PURPOSE OF ISSUE		
PLANNING SUBMISSION		
SCALE		
1 : 20 A1		
DRAWING NO.		REV
PXXXXX/EL401		0



5 SECTION 5-5 _ EMERGENCY GENERATOR ROOM
1 : 30

4 SECTION 4-4 _ EMERGENCY GENERATOR ROOM
1 : 30

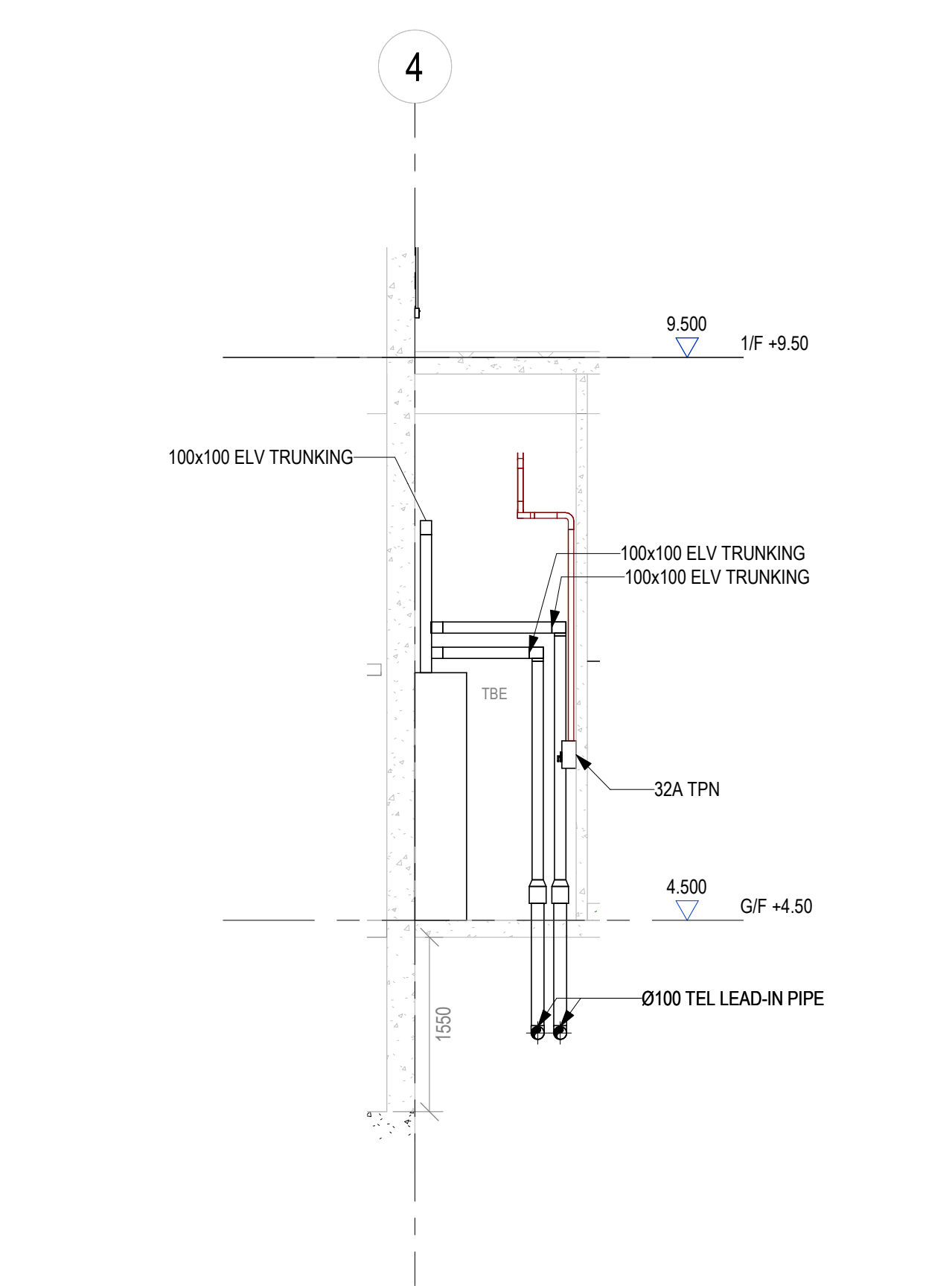


3 TRF PLAN
1 : 50

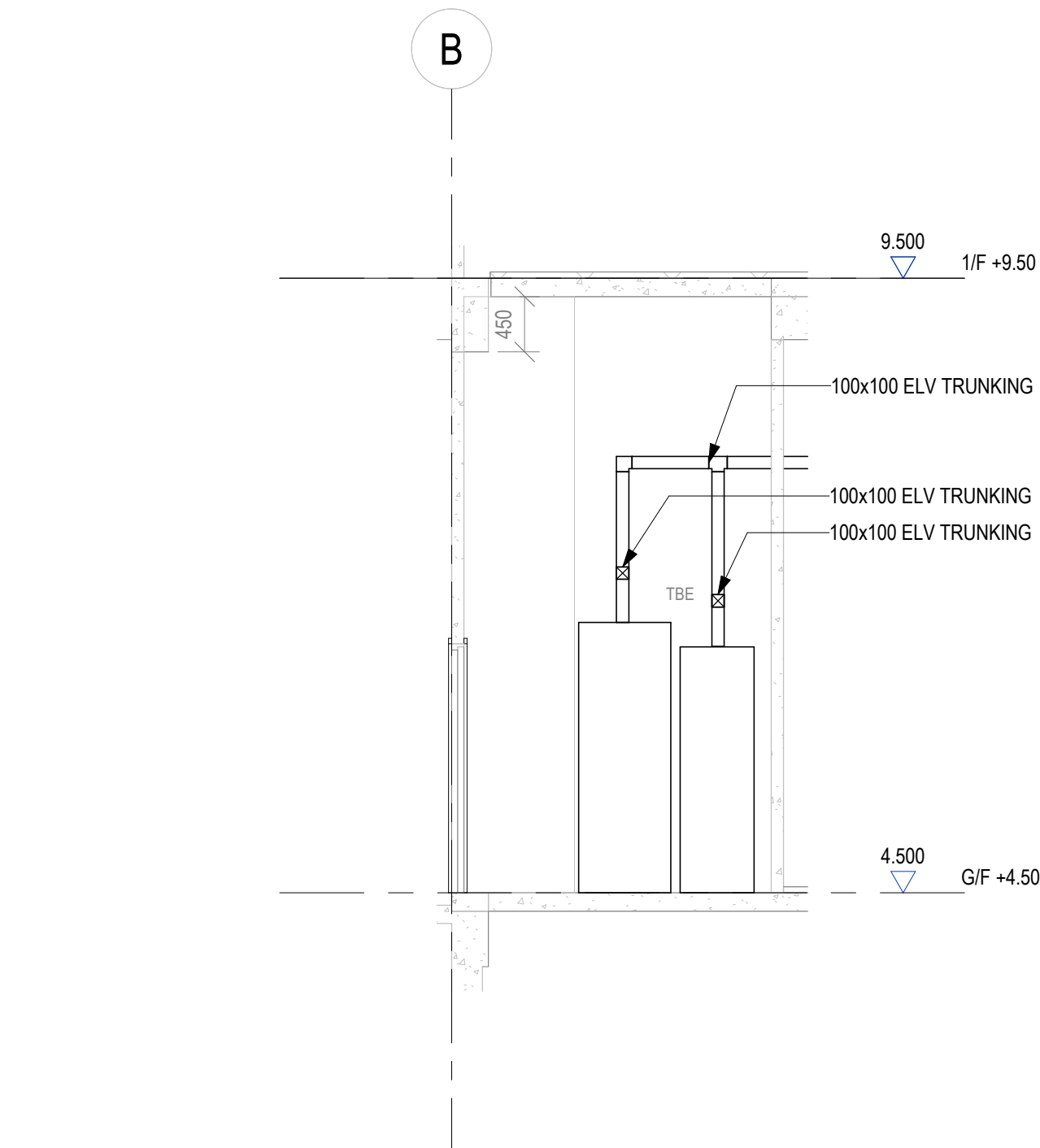
2 URF PLAN
1 : 50

1 RF PLAN
1 : 50

B.D.REFERENCE		
F.S.D.REFERENCE		
W.W.O.REFERENCE		
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0 1ST SUBMISSION 08-03-2021		
REV DESCRIPTION DATE		
NAME AND DESIGNATION DATE		
APPROVED APPROVER		
CHECKED CHECKER		
DESIGNED DESIGNER		
DRAWN BIM MODELLER		
PROJECT		
CIC SAMPLE PROJECT		
DRAWING TITLE		
EMERGENCY GENERATOR ROOM LAYOUT AND SECTIONAL DETAILS		
PROJECT NUMBER PXXXXX		
PURPOSE OF ISSUE PLANNING SUBMISSION		
SCALE As indicated A1		
DRAWING NO. PXXXXX/EL402		
REV 0		





3 SECTION 3
1 : 50



2 SECTION 2
1 : 50



1 GROUND FLOOR PLAN
1 : 50

REFERENCE		
F.S.D. REFERENCE		
W.W.O. REFERENCE		
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<div><div>CONSTRUCTION INDUSTRY COUNCIL 建造業議會</div></div>		
CONSULTANT LOGO		
<div><div>CONSTRUCTION INDUSTRY COUNCIL 建造業議會</div></div>		
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LEAD CONSULTANT / LEAD CONTRACTOR REVIEW & AUTHORISATION		
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C - DO NOT USE		
DATE		
D		

1. ALL DIMENSION OF OPENINGS THROUGH STRUCTURE FOR HALL BUTTONS, HALL INDICATOR ETC... SHALL BE PROVIDED BY LIFT CONTR
2. IT IS THE RESPONSIBILITY OF THE LIFT CONTR TO TAKE MEASURES TO ENSURE THAT THE POWER FACTOR OF THE INSTALLATION SHALL NOT BE LESS THAN 0.85 LAGGING AT ALL CONDITIONS OF OPERATION
3. IN THE EVENT OF NORMAL TNB POWER SUPPLY FAILURE, SUPPLY WILL BE AVAILABLE FROM STANDBY GENERATOR SET AND LIFT CONTROL SEQUENCE SHALL BE AS SCHEDULED UNDER :-

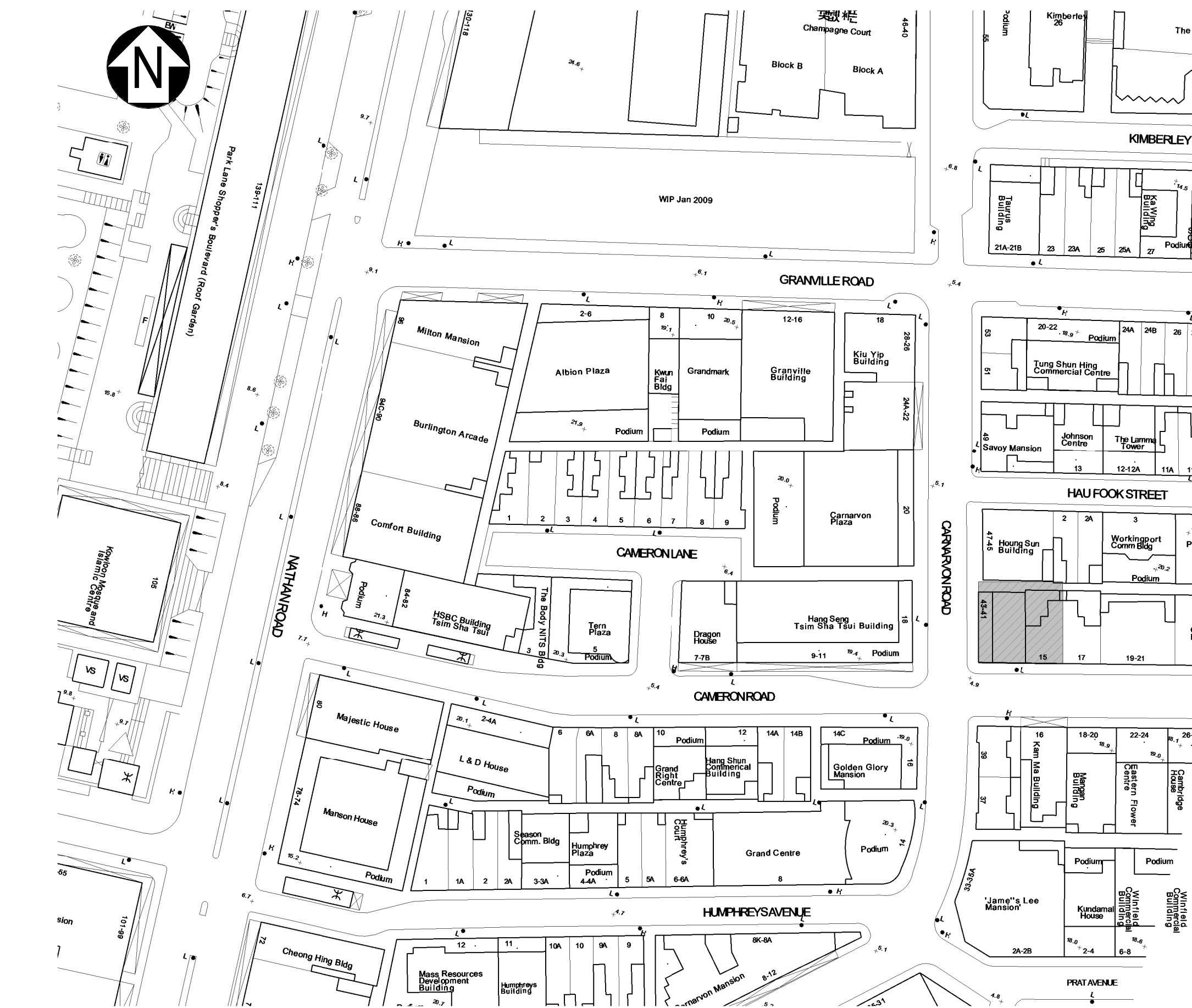
- i) ON THE AVAILABILITY OF EMERGENCY GENSET SUPPLY REGARDLESS OF LOCATION OF THE LIFT, IT SHALL BE BROUGHT DOWN FIRST TO THE LOWEST DISCHARGE FLOOR AND SHALL BE AVAILABLE FOR USE BY THE FIREMAN SEQUENTIALLY FOR 50% OF LIFTS IN EACH COREIN SIMULTANEOUSLY
- ii) IN THE EVENT OF FIRE & TNB FAILURE, ALL THE LIFTS SHALL BE BROUGHT DOWN TO THE LOWEST DISCHARGE FLOOR AND ONLY FIRE LIFT IS ALLOWED TO BE USED FOR REFERENCE

4. LIFT PIT TO BE WATER TIGHT.
5. A MILD STEEL CAT LADDER SHALL BE PROVIDED IN EACH OF THE LIFT PIT FOR MAINTENANCE PURPOSES BY THE LIFT SUPPLIER.
6. THE ENTRANCE DOOR OF LIFT MOTOR ROOM SHALL BE EXHIBITED A NOTICE AS FOLLOWS :-

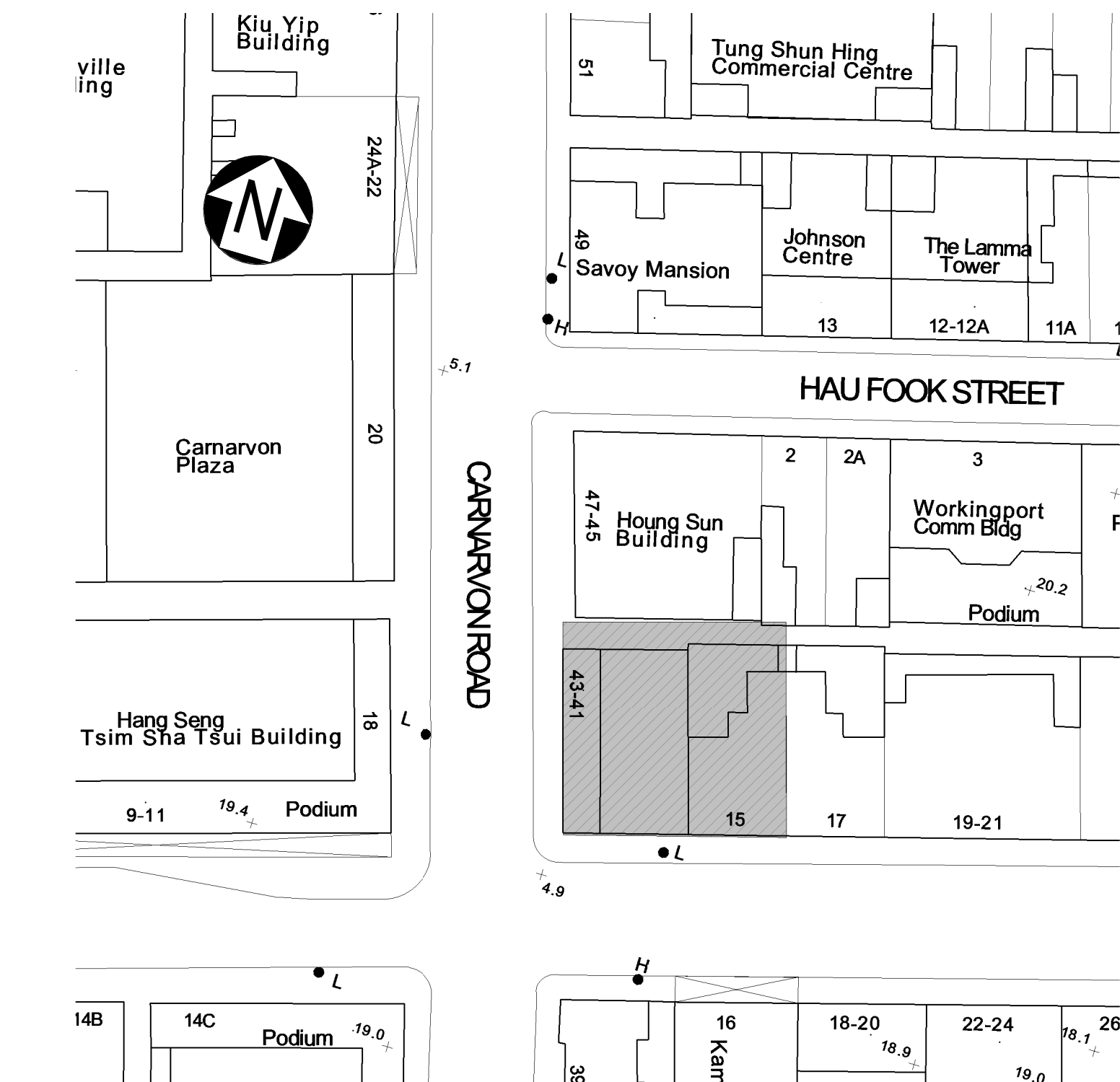
" DANGEROUS
MACHINERY ROOM
ONLY AUTHORIZED PERSONNEL ALLOWED "

7. 2x36 FLUORESCENT SURFACE MOUNTED C/W WEATHERPROOF POLYCARBONATE COVER (LTG) AND 13A SPN 240V FLUSH METALCALD S/S (S/P) WITH CABLING IN CONDUIT/TRUNKING FROM LIFT MOTOR ROOM DB (BY LIFT CONTRACTOR)
8. ALL LIFT SHALL BE AC VARIABLE VOLTAGE VARIABLE FREQUENCY (ACVVF) GEARED TYPE
9. ALL LIFT DOOR OPENING AND CLOSING SPEED SHALL NOT BE LESS THAN 2.2m/s AND SHALL COMPLY TO SAFETY REQUIREMENTS

DRAWING NUMBER	DRAWING TITLE	REVISION
EMS001	GENERAL NOTES, LEGENDS, ABBREVIATION AND DRAWING LIST	0
EMS101	L&S LAYOUT PLAN AT LEVEL GF, L01, L02, L03	0
EMS102	L&S LAYOUT PLAN AT L04-L15, RF, URF, TRF	0
EMS400	LIFT SHAFT PLAN DETAIL & SECTION	0

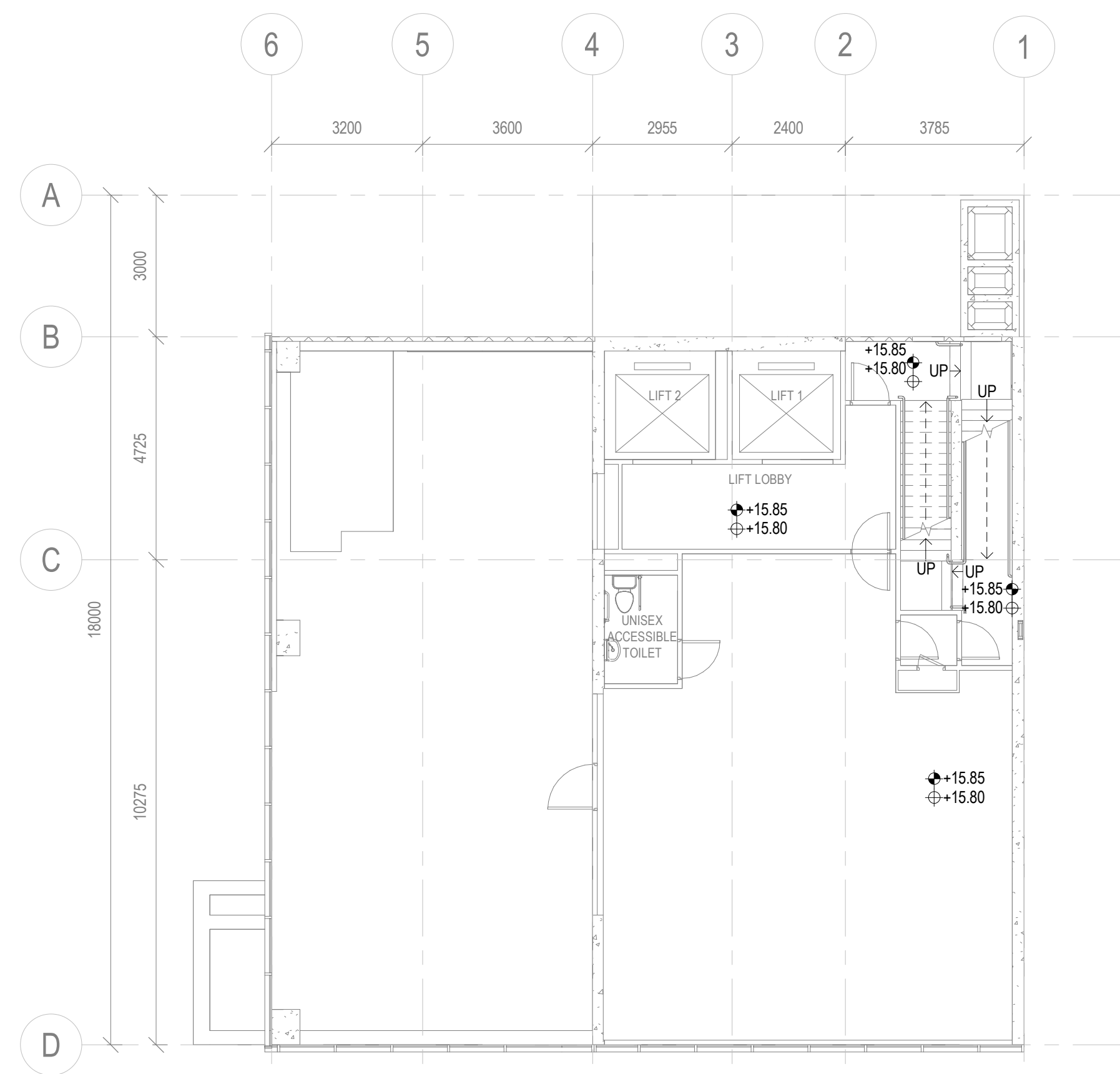


1 : 1000

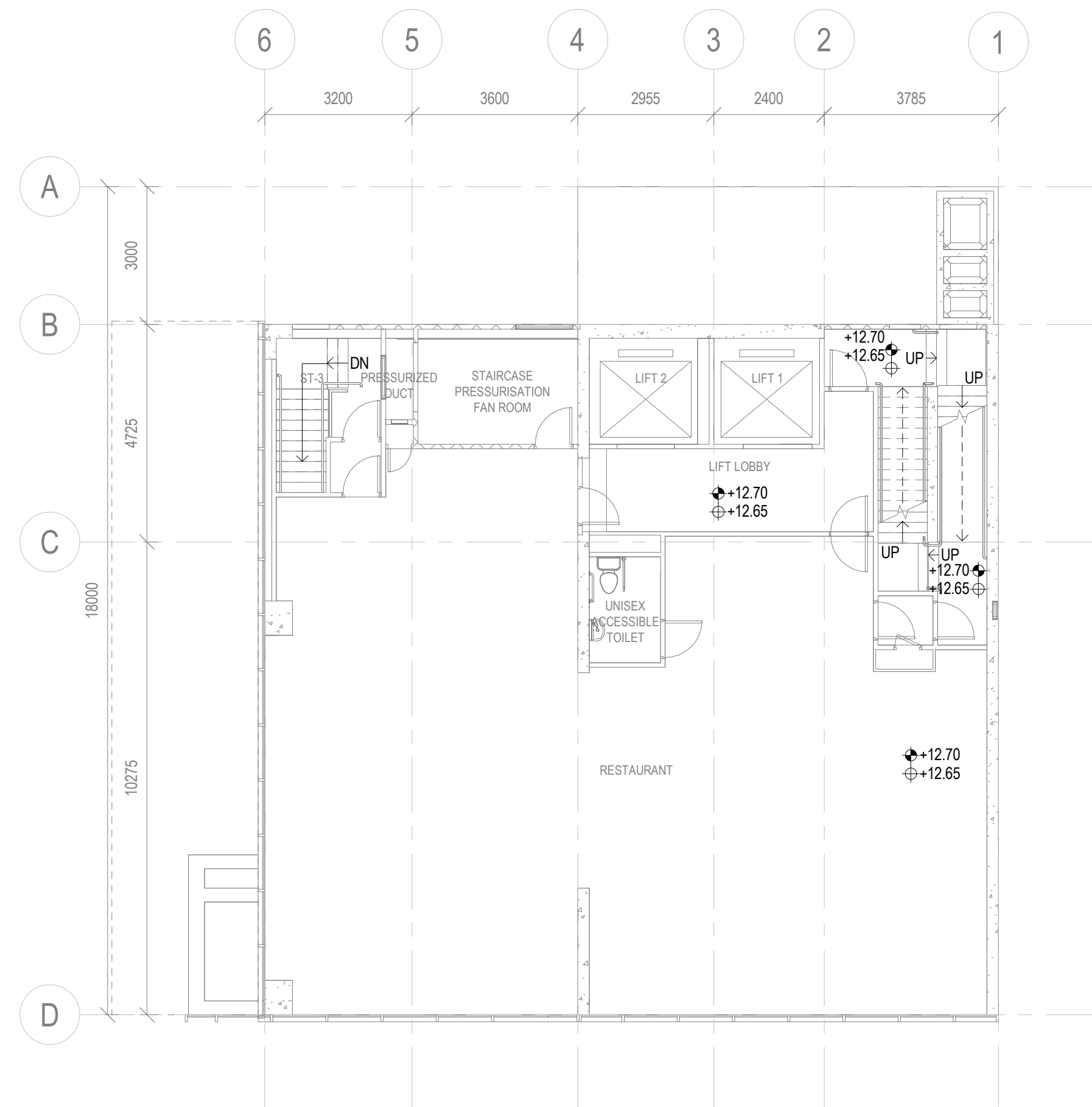


2 1 : 500

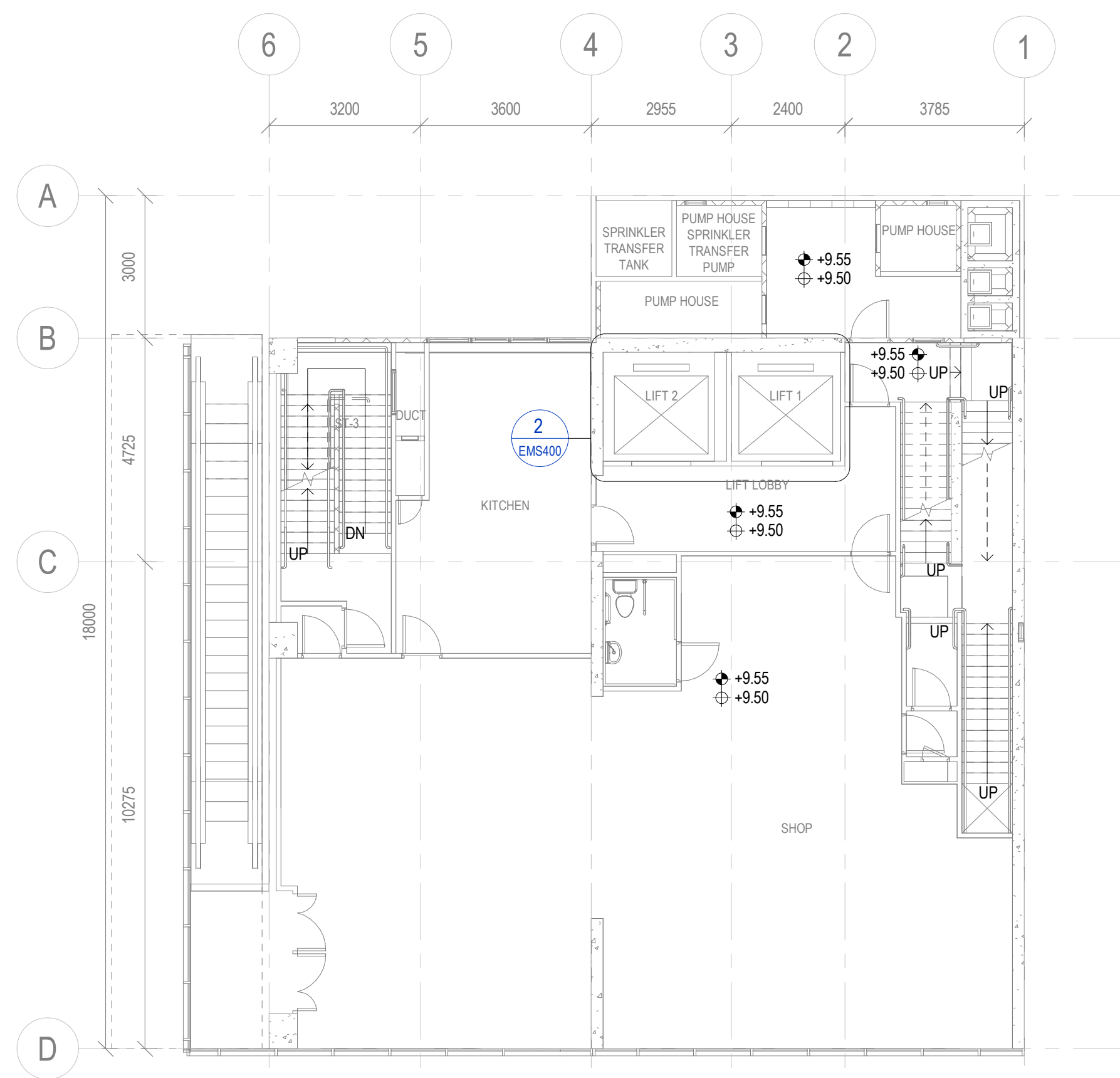
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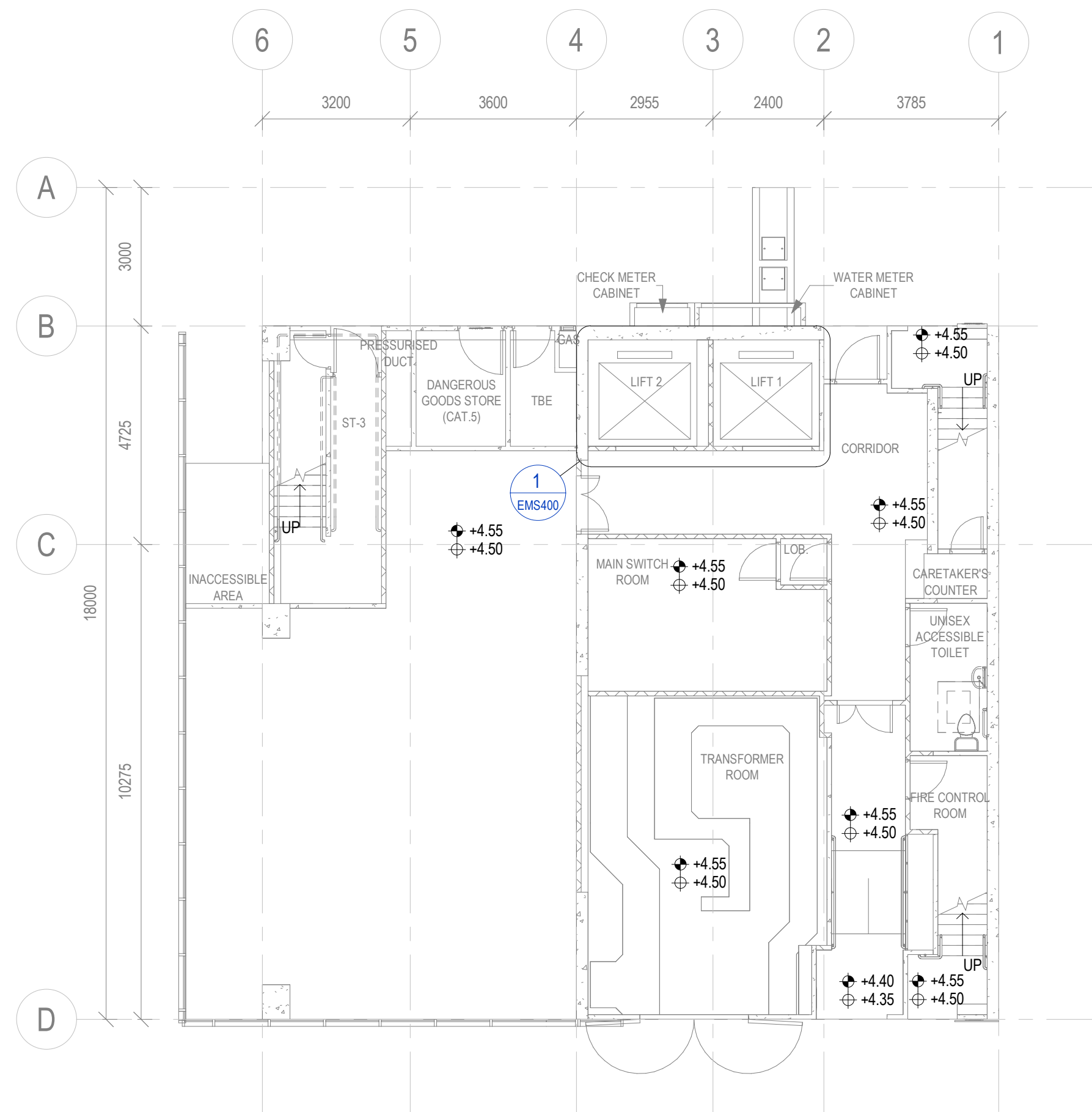
4 L03 PLAN
1 : 100





3 L02 PLAN
1 : 100

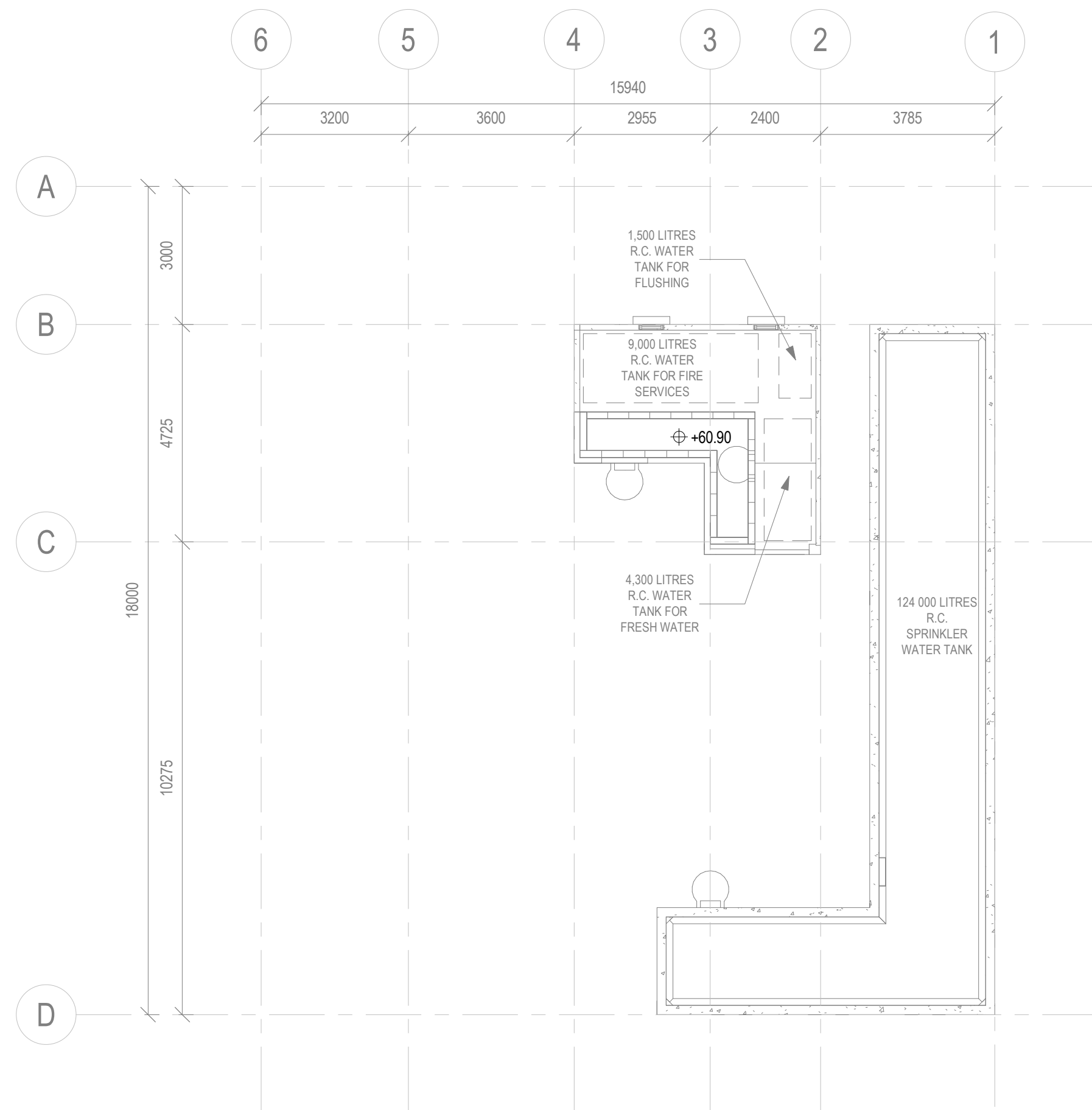
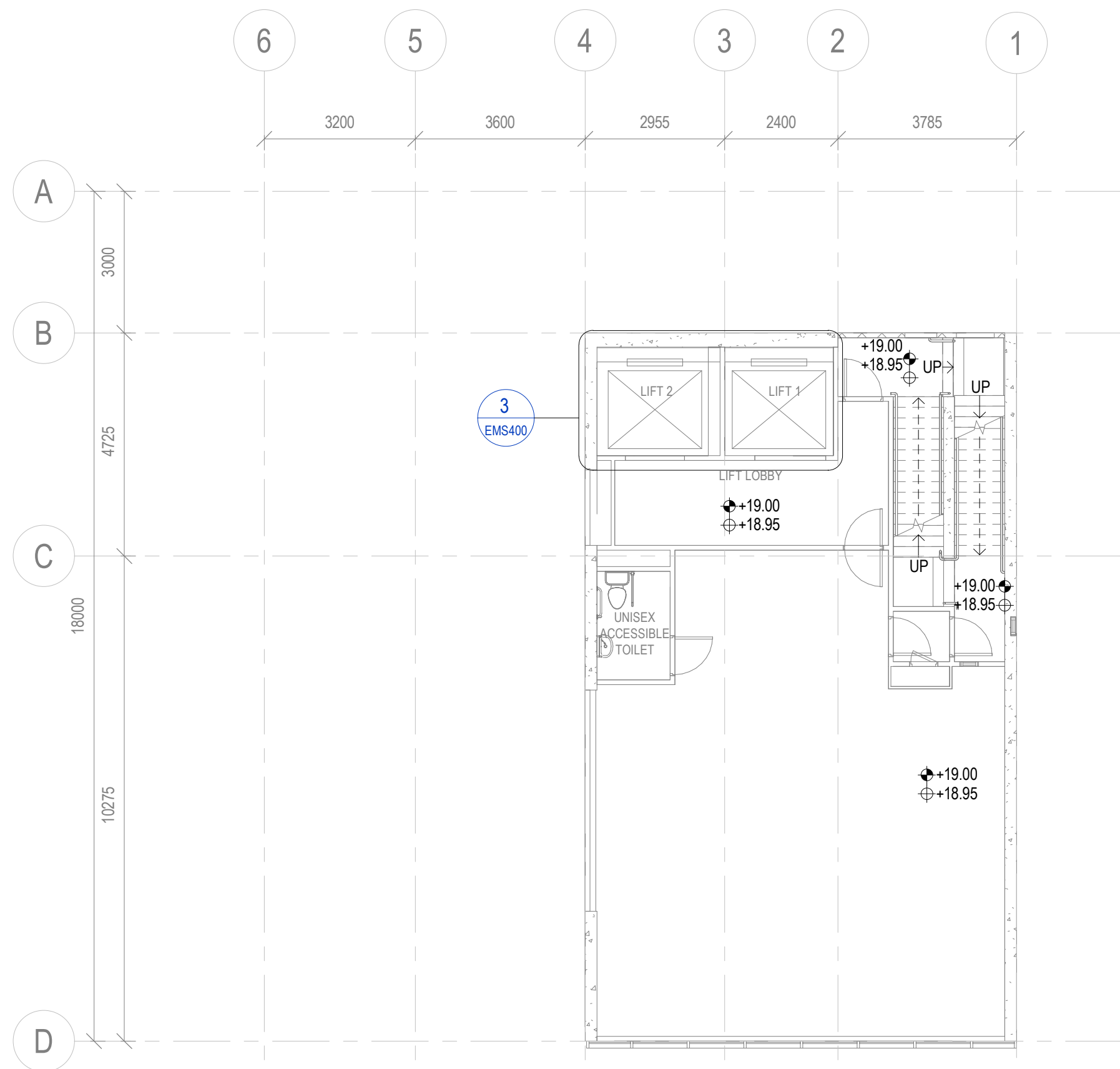
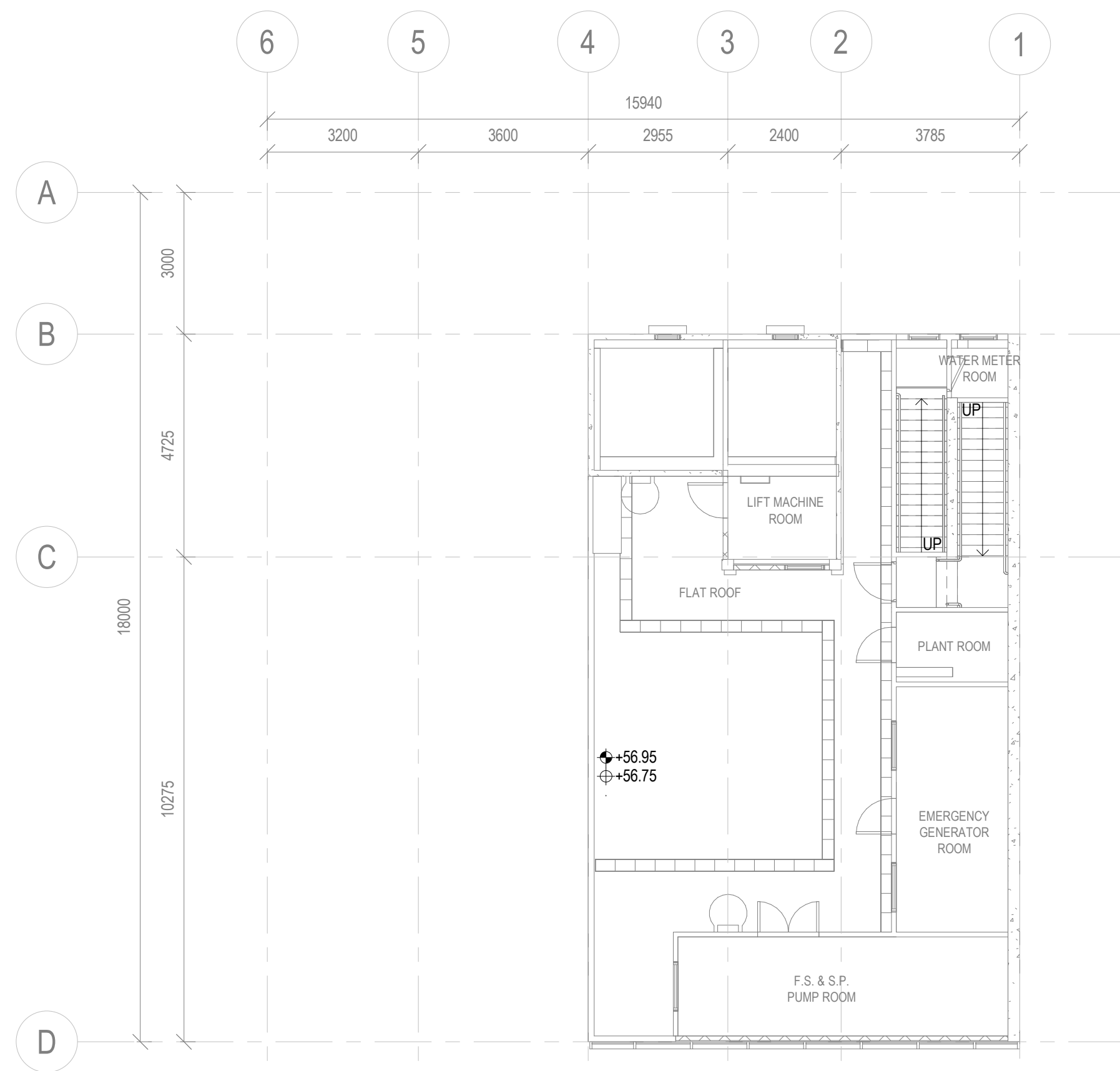


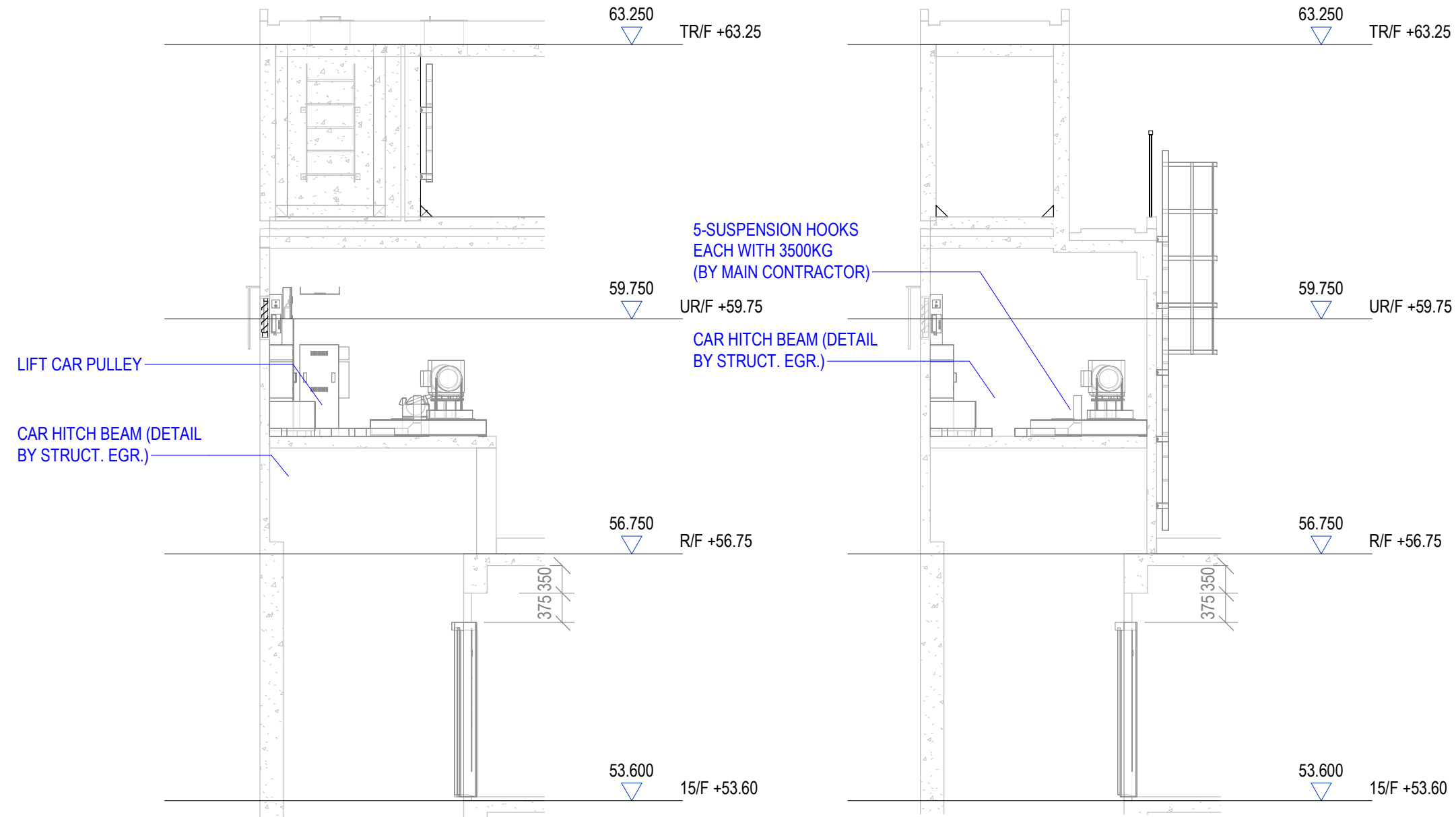
2 L01 PLAN
1 : 100



1 GF PLAN
1 : 100

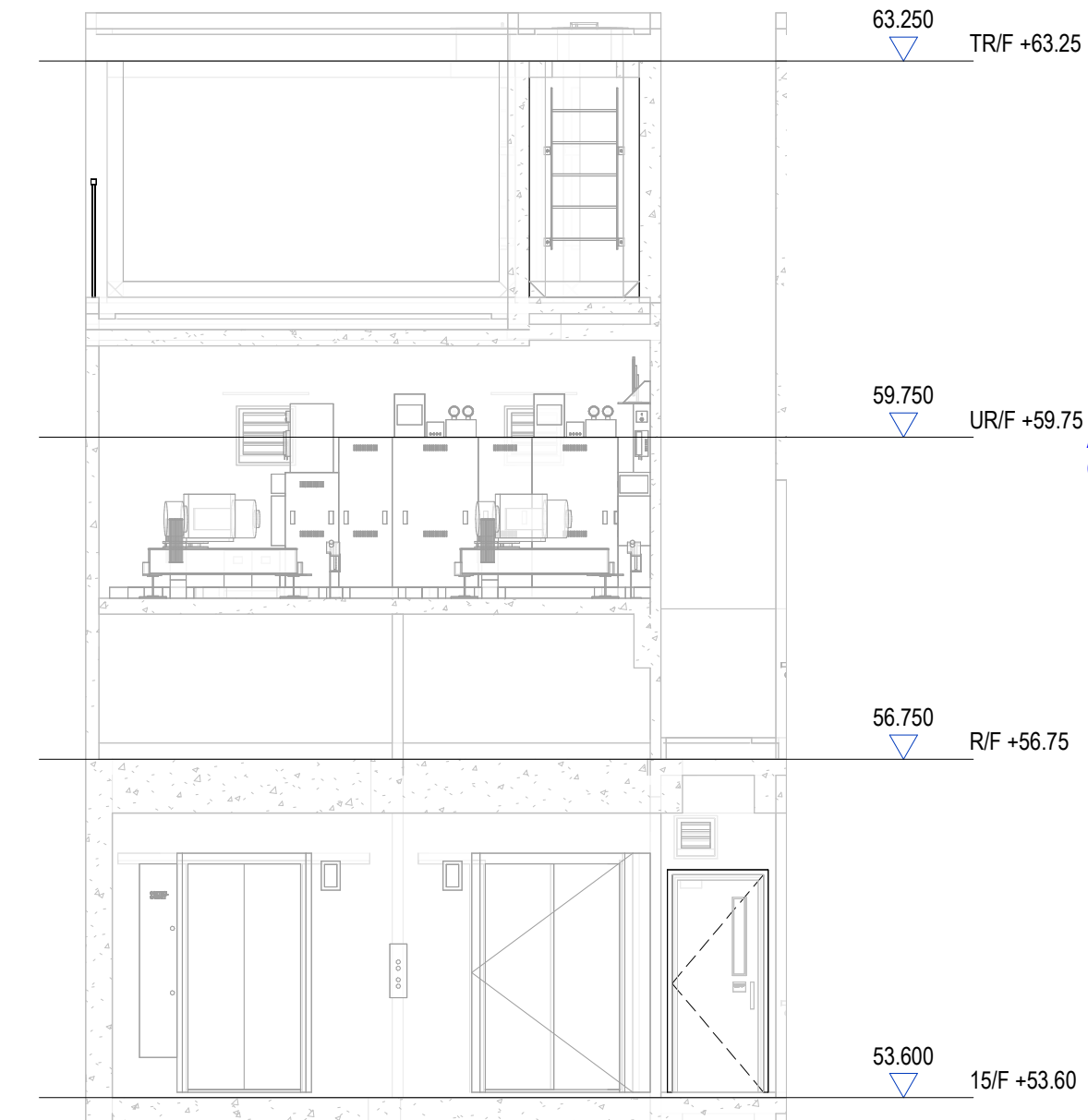
D.REFERENCE		
F.S.D.REFERENCE		
W.W.O.REFERENCE		
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CONSULTANT LOGO		
 CONSTRUCTION INDUSTRY COUNCIL 建造業議會		
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0 1ST SUBMISSION 08-03-2021		
REV DESCRIPTION DATE		
NAME AND DESIGNATION DATE		
APPROVED APPROVER DD/MM/YYYY		
CHECKED CHECKER DD/MM/YYYY		
DESIGNED DESIGNER DD/MM/YYYY		
DRAWN BIM MODELLER DD/MM/YYYY		
PROJECT		
CIC SAMPLE PROJECT		
DRAWING TITLE		
L&S LAYOUT PLAN AT LEVEL GF, L01, L02, L03		
PROJECT NUMBER PXXXXX		
PURPOSE OF ISSUE PLANNING SUBMISSION		
SCALE 1 : 100 A1		
DRAWING NO. PXXXXX/EMS101		
REV 0		

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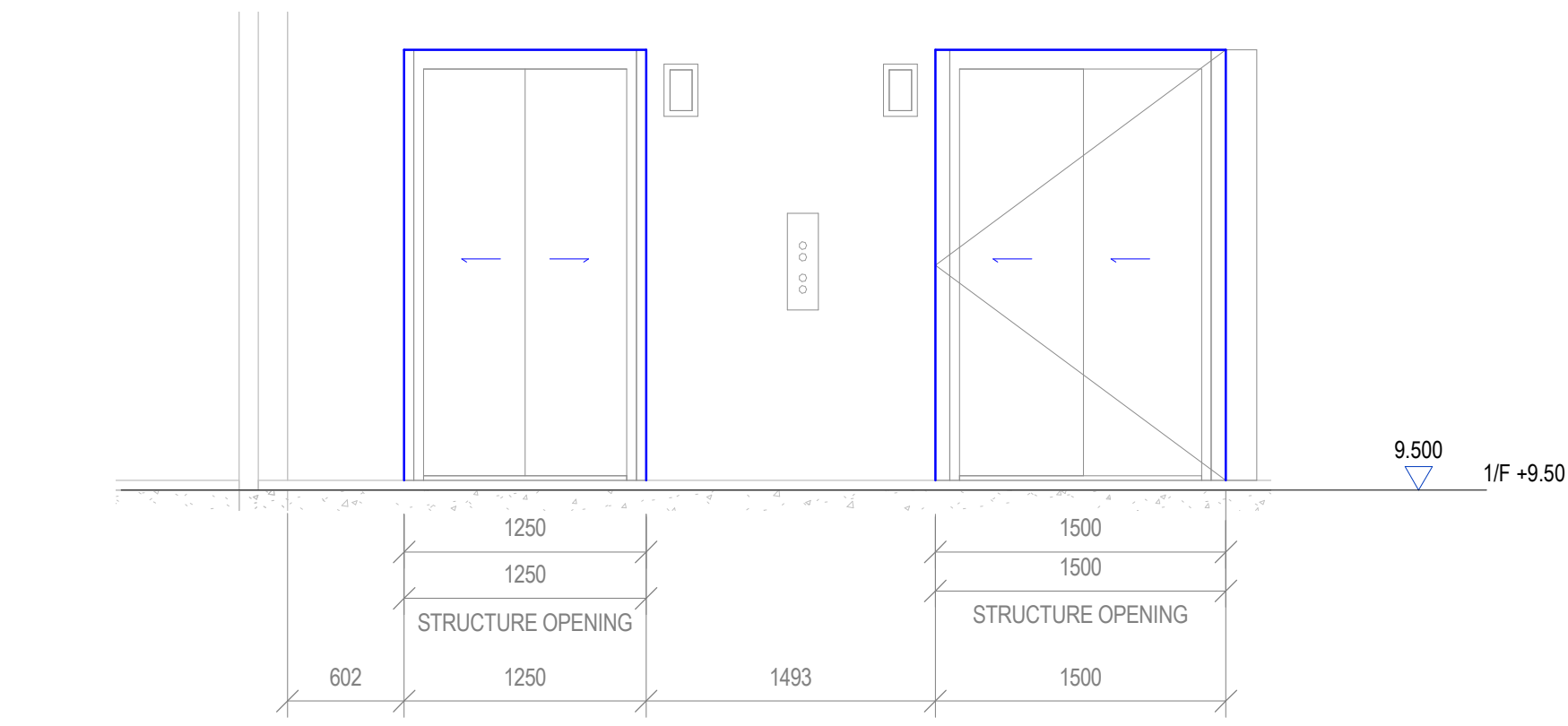


9 SECTION LMR (LIFT_NO.1)
1:65

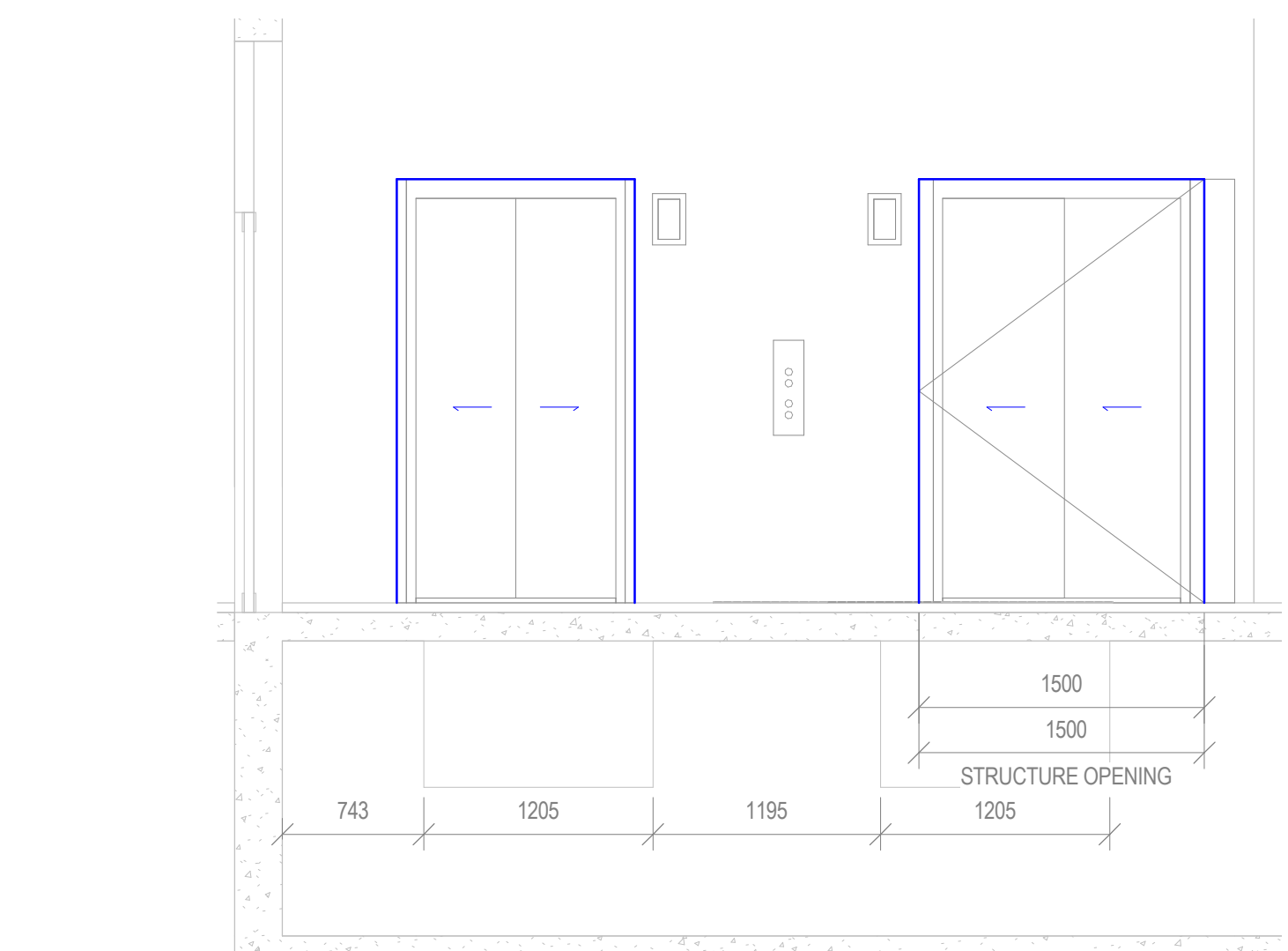
8 SECTION LMR (LIFT_NO.2)
1:65



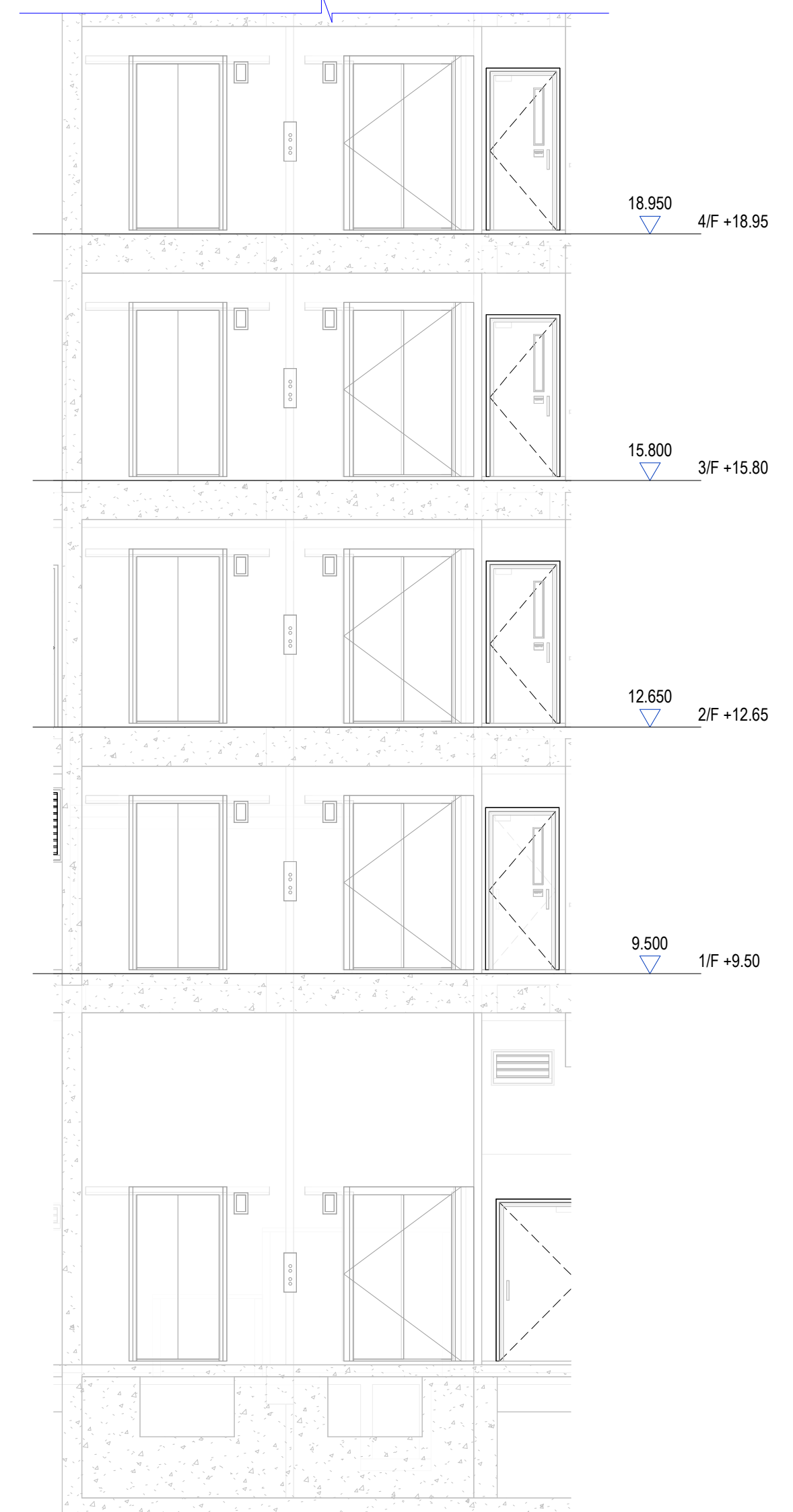
8 SECTION LMR (LIFT_NO.2)
1:65



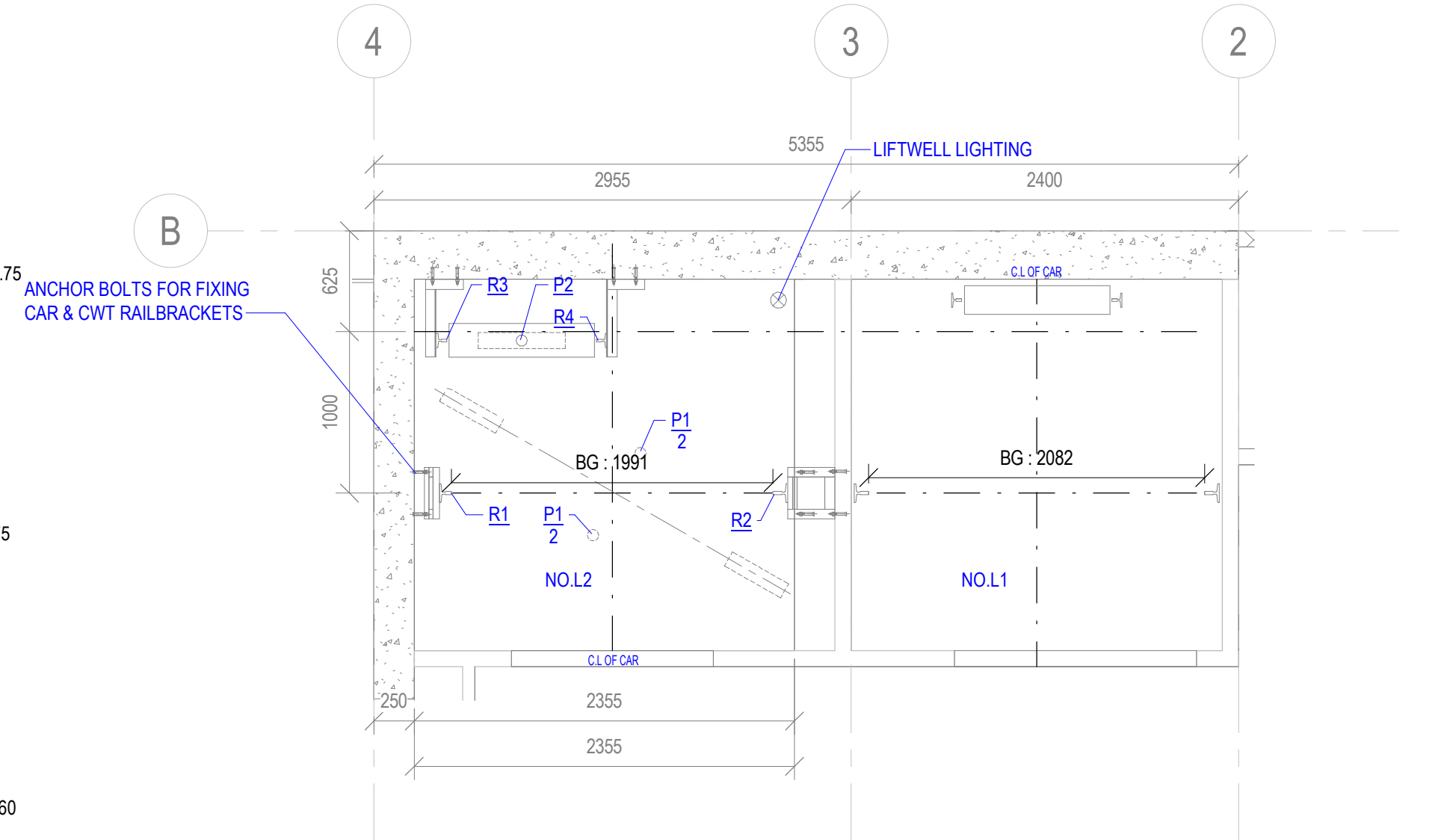
7 SECTION A - A (1F-15F)
1:35



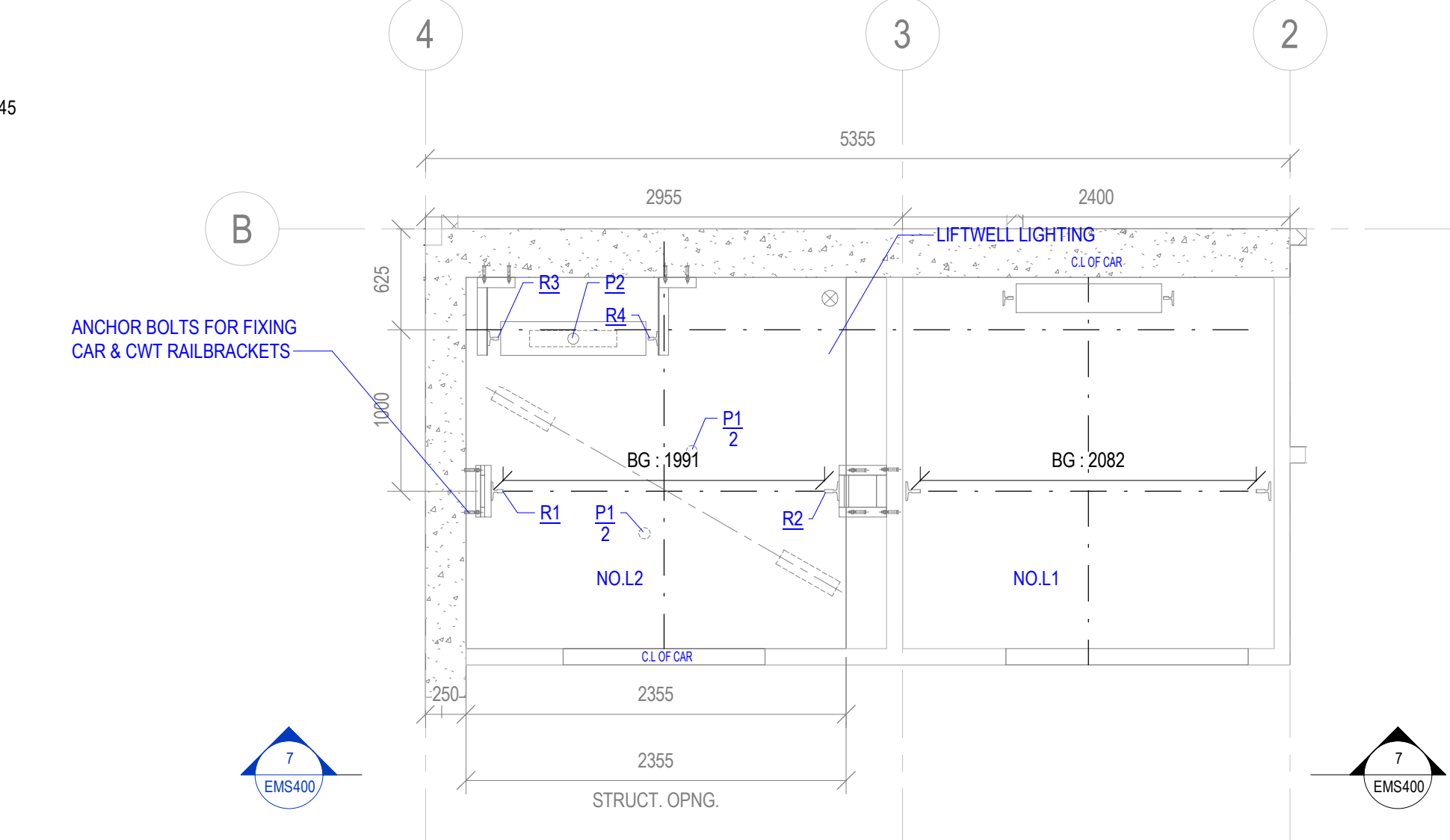
6 SECTION A - A (GF)
1:35



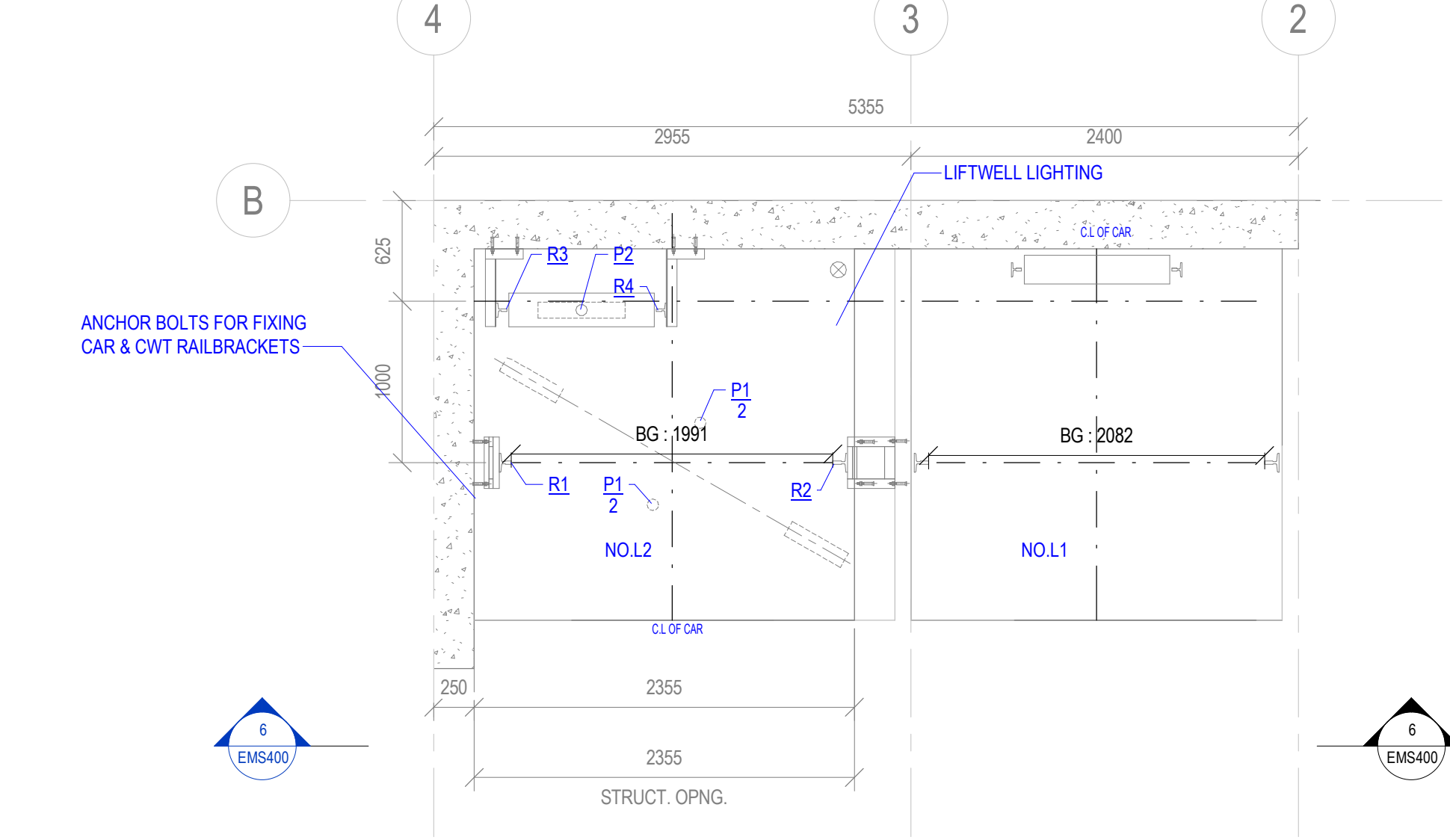
4 SECTION (OVERALL)
1:65



3 LIFT SHAFT PLAN (4F - 15F)
1:35

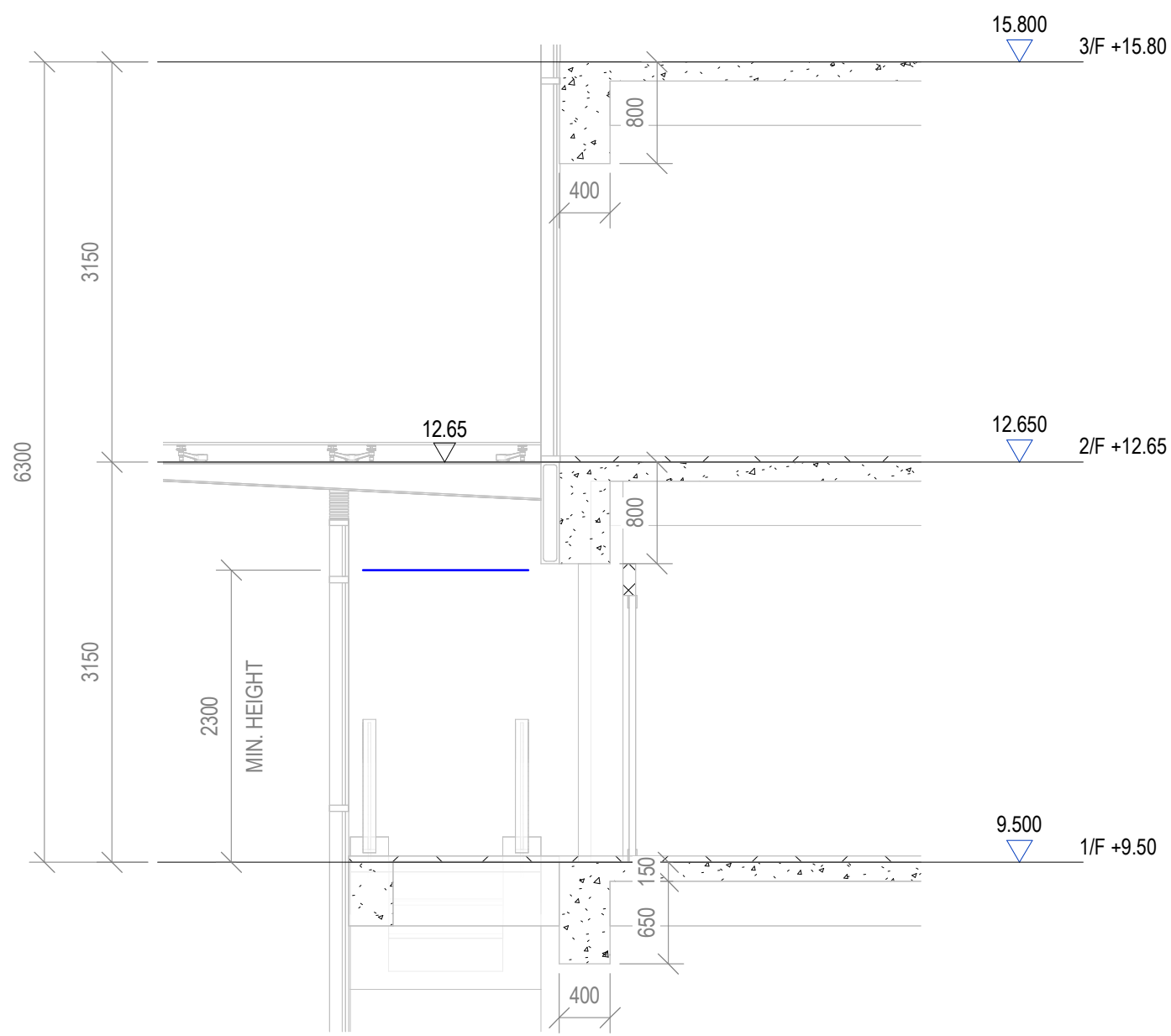


2 LIFT SHAFT PLAN (1F - 3F)
1:35

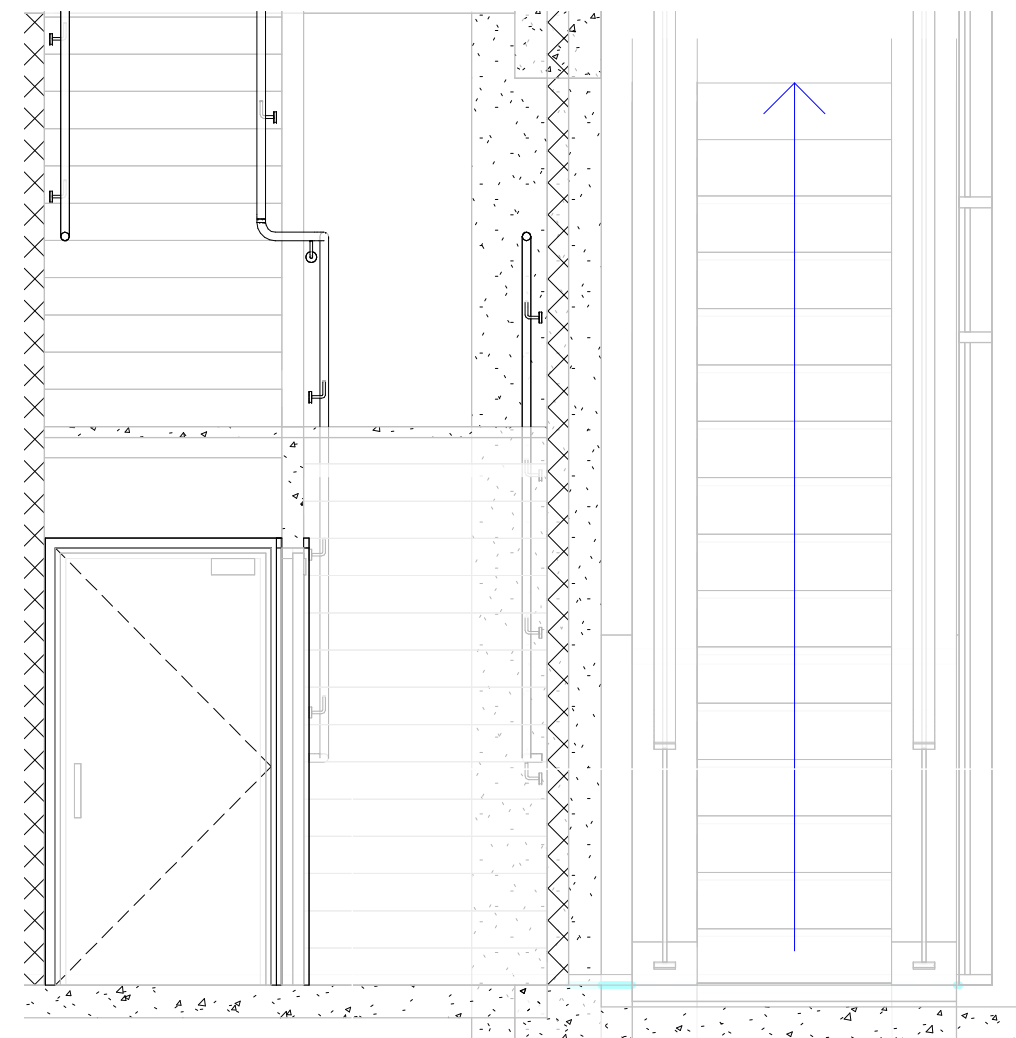


1 LIFT SHAFT PLAN (GF ONLY)
1:35

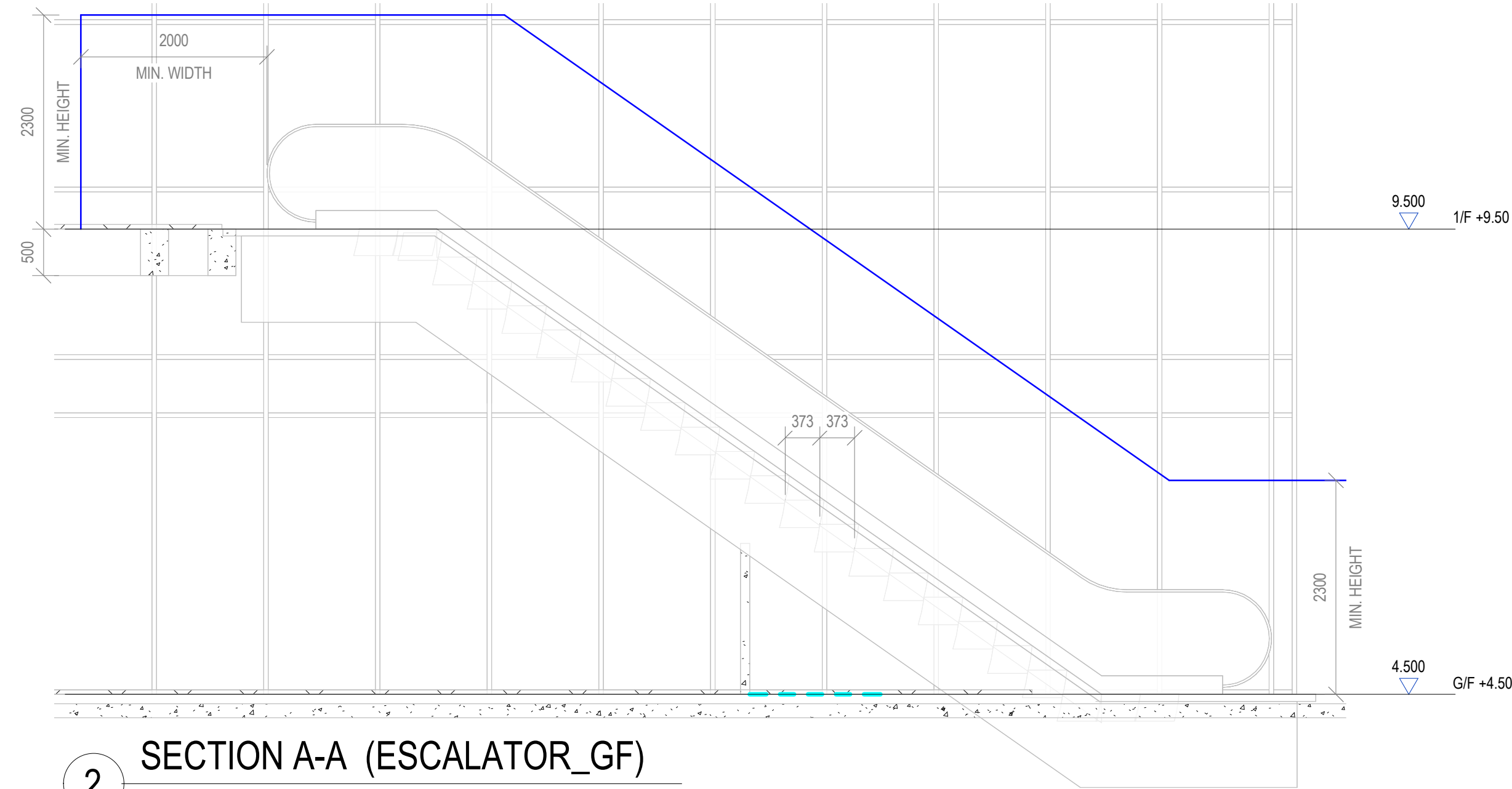
B.D. REFERENCE		
F.S.D. REFERENCE		
W.W.O. REFERENCE		
DO NOT SCALE DRAWINGS. ALL DIMENSIONS SHALL BE VERIFIED ON SITE.		
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CLIENT LOGO		
CONSULTANT LOGO		
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APPOINTING PARTY / CLIENT REVIEW & ACCEPT		
T - ACCEPTED (TIME)		
A - REVIEWED & ACCEPTED		
B - REVIEWED & ACCEPTED WITH COMMENTS		
C - DO NOT USE		
DATE		
ID		
LEAD CONSULTANT / LEAD CONTRACTOR REVIEW & AUTHORISATION		
A - REVIEWED & AUTHORISED		
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C - DO NOT USE		
DATE		
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0 1ST SUBMISSION 08-03-2021		
REV DESCRIPTION DATE		
APPROVED APPROVER DD/MM/YYYY		
CHECKED CHECKER DD/MM/YYYY		
DESIGNED DESIGNER DD/MM/YYYY		
DRAWN BIM MODELLER DD/MM/YYYY		
PROJECT		
CIC SAMPLE PROJECT		
DRAWING TITLE		
LIFT SHAFT PLAN DETAIL & SECTION		
PROJECT NUMBER PXXXXX		
PURPOSE OF ISSUE PLANNING SUBMISSION		
SCALE As indicated A1		
DRAWING NO. PXXXXX/EMS400		
REV 0		



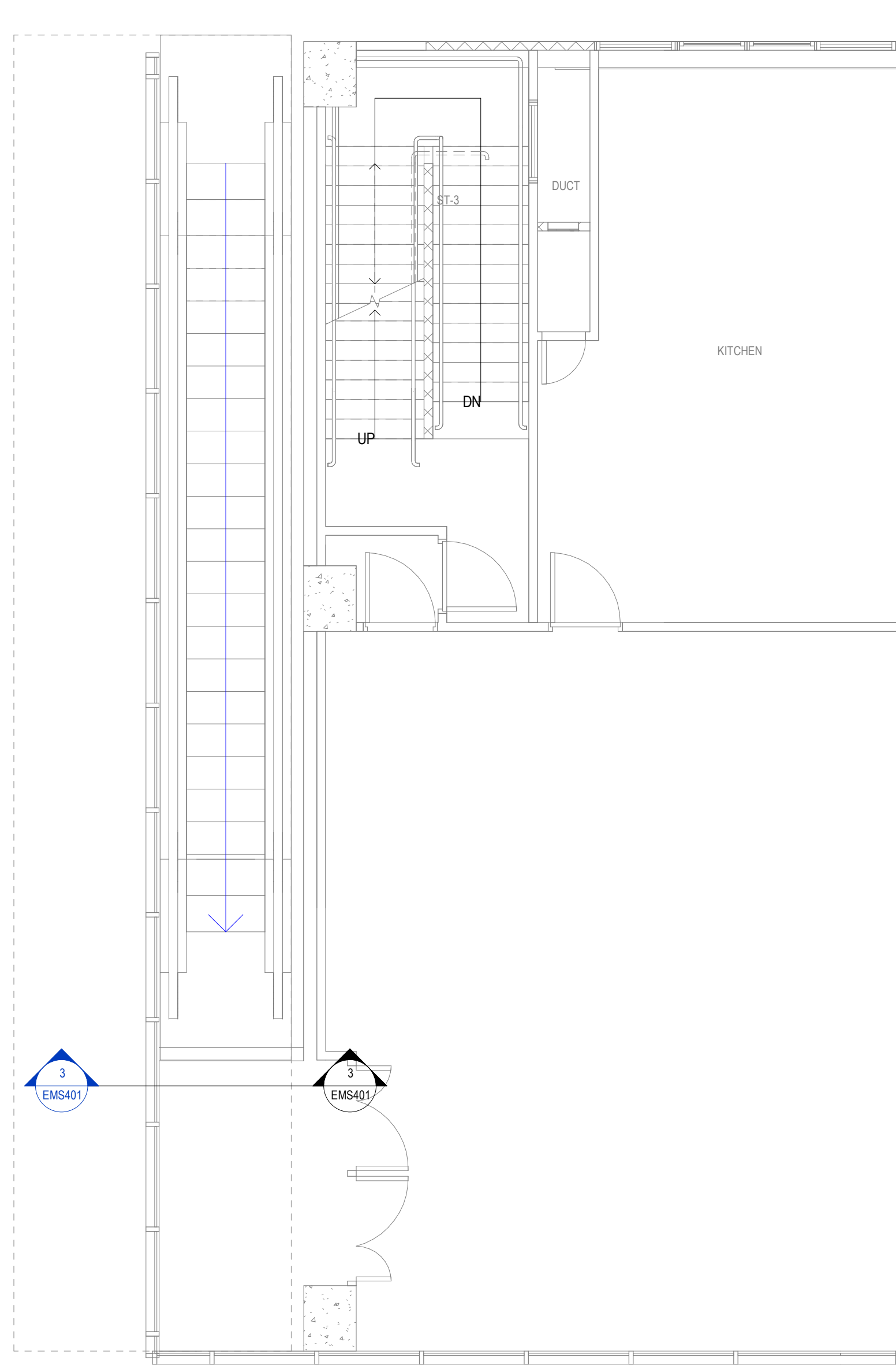
3 SECTION C-C (ESCALATOR 1F)
1:50



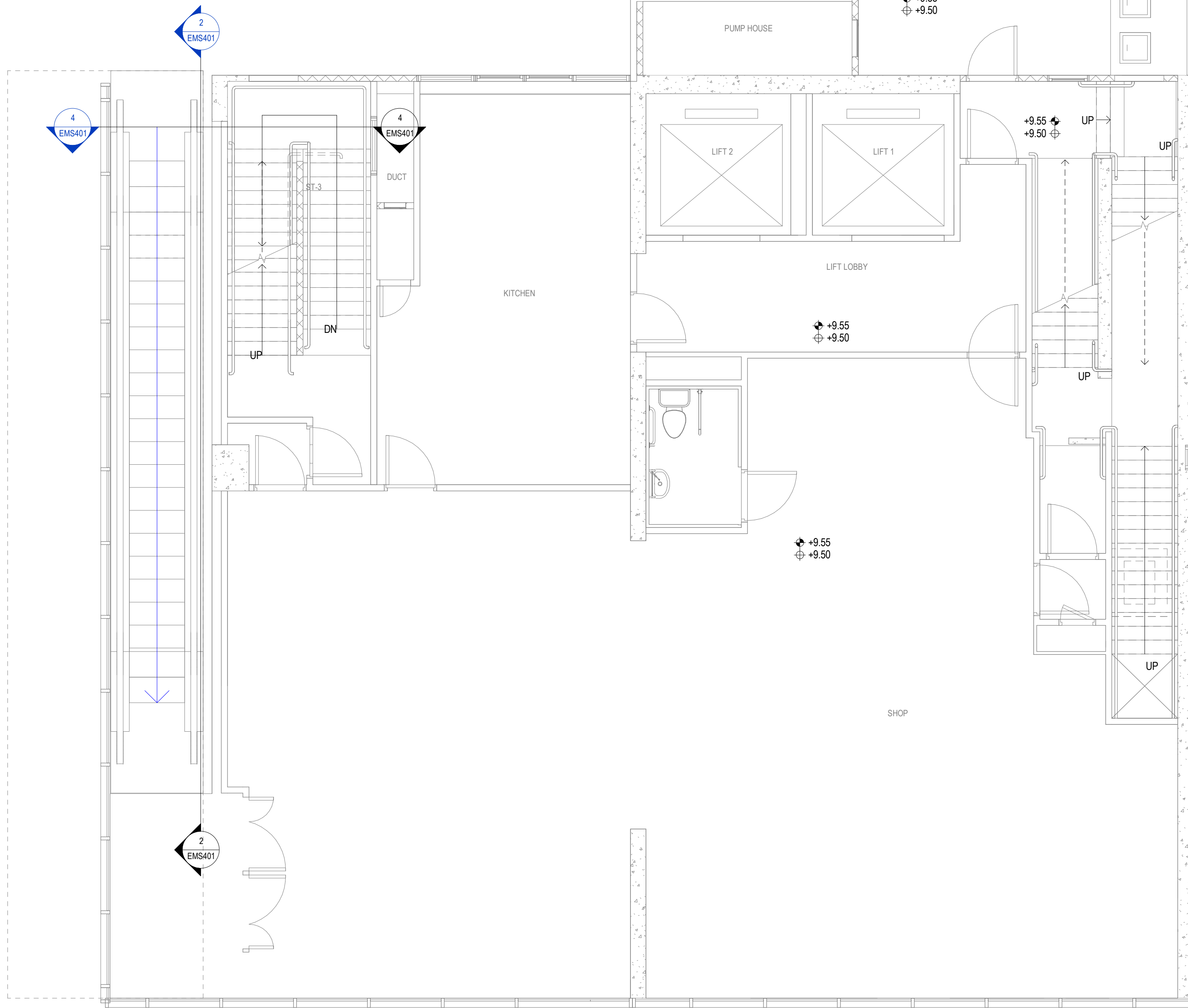
4 SECTION B - B (GF)
1:35



2 SECTION A-A (ESCALATOR_GF)
1:50



5 L01 PLAN
1:50



1 L00 PLAN
1:50

B.D.REFERENCE		
F.S.D.REFERENCE		
W.W.O.REFERENCE		
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CONSULTANT LOGO		
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NAME AND DESIGNATION DATE		
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DESIGNED DESIGNER DD/MM/YYYY		
DRAWN BIM MODELLER DD/MM/YYYY		
PROJECT		
CIC SAMPLE PROJECT		
DRAWING TITLE		
ESCALATOR PLAN DETAIL & SECTION		
PROJECT NUMBER PXXXXX		
PURPOSE OF ISSUE PLANNING SUBMISSION		
SCALE As indicated A1		
DRAWING NO. PXXXXX/EMS401		
REV 0		

	FIXED FIRE PUMP & FS UPFEED PUMP & SPRINKLER UPFEED PUMP & SPRINKLER PUMP & SPRINKLER JOCKEY PUMP
	GATE VALVE
	CHECK VALVE
	FIRE HYDRANT
	PRESSURE REDUCING FIRE HYDRANT
	MANUAL FIRE ALARM CALL POINT (BREAK GLASS TYPE)
	FIRE ALARM BELL
	WEATHERPROOF MASTER FIRE ALARM BELL
	FS INLET & SPRINKLER INLET
	AUTOMATIC AIR VENT
	BALL FLOAT VALVE
	SPRINKLER HEAD
	SPRINKLER HEAD UNDER FLOOR/ CEILING SLAB
	SPRINKLER HEAD UNDER FALSE CEILING LEVEL
	SPRINKLER HEAD AT FALSE CEILING LEVEL AND INSIDE FALSE CEILING (DOUBLE LAYER)
	SPRINKLER HEAD (FAST RESPONSE TYPE)
	HEAT DETECTOR
	MONITOR MODULE
	RELAY MODULE
	VORTEX
	ORIFICE PLATE
	VISUAL FIRE ALARM
	LEVEL SWITCH
	FIRE HYDRANT / PRESSURE REDUCING FIRE HYDRANT
	FS CONTROL PANEL
	HOSE REEL
	FIXED FIRE TRANSFER PUMP CONTROL PANEL
	SPRINKLER TRANSFER PUMP CONTROL PANEL
	FIXED FIRE PUMP CONTROL PANEL
	SPRINKLER PUMP CONTROL PANEL
	PRESSURE SWITCH FOR CHANGE OVER
	LOW PRESSURE (FALLEN BY 0.5 BAR) ALARM
	FLOW SWITCH
	FLUSHING VALVE WITH BRASS CAP
	MANUAL OVERRIDE BUTTON

AAV	AUTOMATIC AIR VENT	HR	HOSE REEL
C/W	COMPLETE WITH	FH	FIRE HYDRANT
F/A	FROM ABOVE	B.L	BOUNDARY LINE
F/B	FROM BELOW	SPR	SPRINKLER
T/B	TO BELOW	FFP	FIXED FIRE PUMP
T TO B	TOP TO BOTTOM	STP	SPRINKLER TRANSFER PUMP
FS	FIRE SERVICES	FSP	SPRINKLER PUMP
H/L	HIGH LEVEL	FTP	FS TRANSFER PUMP
LL	LOW LEVEL	FSOC	FIRE SERVICE COMMUNICATION CENTRE
L TO R	LEFT TO RIGHT	GRP	GLASS REINFORCED PLASTIC
W/	WITH		
U/G	UNDERGROUND		
&	AND		

THE FIRE SERVICE INSTALLATIONS ARE PROVIDED IN ACCORDANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE CURRENT EDITION OF THE CODES OF PRACTICE FOR MINIMUM FIRE SERVICE INSTALLATIONS AND EQUIPMENT AND INSPECTION, TESTING AND MAINTENANCE OF INSTALLATIONS AND EQUIPMENT AND THE CURRENT ISSUE OF THE FSD CIRCULAR LETTERS. THE PARTICULARS OF THE FIRE SERVICE INSTALLATIONS TO BE PROVIDED FOR THE BUILDING ARE AS FOLLOWS:-

a. AUTOMATIC SPRINKLER SYSTEM DESIGNED TO OHJ IN ACCORDANCE WITH LPC RULES INCORPORATING BS EN 12845 2003 FOR AUTOMATIC SPRINKLER INSTALLATIONS; TO BE PROVIDED FOR ALL AREAS INCLUDING STAIRCASES, SEATING AREA, KITCHEN, PANTRY AND UNIXES TOILETS BUT EXCLUDE CONSUMER ELECTRICAL EQUIPMENT MECHANICAL PLANT ROOM AS INDICATED ON THE DRAWINGS. SPRINKLER ANNUNCIATION PANEL TO BE PROVIDED AT GF FIRE CONTROL CENTRE AS INDICATED ON THE DRAWINGS. ALARM SIGNAL TO BE TRANSMITTED TO F.S. COMMUNICATION CENTRE VIA DIRECT TELEPHONE LINK. WATER SUPPLY TO SPRINKLER TANK TO BE SINGLE END FEED. CAPACITY OF SPRINKLER TANK TO BE 37m3.

b. SPRINKLER SYSTEM WILL NOT BE PROVIDED FOR ALL EXTERNAL CANOPIES WHERE GOODS ARE NOT STORED OR HANDLED IN ACCORDANCE WITH FSD CIRCULAR NO 3/2006, LIST TWO ITEM 2.93.

a. THE ELECTRICITY SUPPLIES TO ALL EMERGENCY ELECTRICAL EQUIPMENT TO BE FED FROM THE INCOMING POWER SUPPLY BY THE POWER COMPANY AT BOT **FOR REFERENCE ONLY** AND TO ENERGIZE IN CASE OF FAILURE OF THE MAIN

a. TO BE PROVIDED THROUGHOUT THE ENTIRE BUILDING AND FOR ALL EXIT SIGNS AND BACKED UP BY SELF CONTAINED/SECONDARY BATTERY

a. SUFFICIENT EXIT OF SELF CONTAINED BATTERY TYPE, TO BE PROVIDED AT LOCATIONS AS INDICATED ON THE DRAWINGS.

- a. MANUALLY OPERATED FIRE ALARM SYSTEM COMPRISING MANUAL BREAK-GLASS AND ALARM BELL TO BE PROVIDED AT EACH HOSE REEL LOCATION AS INDICATED ON THE DRAWINGS. THE SYSTEM TO BE LINKED TO THE AUTOMATIC FIRE ALARM SYSTEM AND FS COMMUNICATION CENTRE VIA DIRECT TELEPHONE LINK.
- b. VISUAL FIRE ALARM SYSTEM TO BE PROVIDED FOR THE AREA WHICH IS INTENDED TO BE ACCESSIBLE TO PUBLIC AS INDICATED ON THE DRAWINGS IN ACCORDANCE WITH FSD CIRCULAR LETTERS 2/2012 OF BS 5839-1:2002+A2:2008 AND BARRIER FREE ACCESS 2008 CODE. AND THE ALARM SIGNAL SHALL FORM PART OF THE FIRE ALARM SYSTEM.
- c. FIRE ALARM CONTROL PANEL TO BE PROVIDED AT LOCATION AS INDICATED ON THE DRAWINGS.

a. AUTOMATIC FIRE ALARM AND DETECTION SYSTEM IN ACCORDANCE WITH "RULES OF THE LOSS PREVENTION COUNCIL FOR AUTOMATIC FIRE DETECTION AND ALARM SYSTEMS FOR THE PROTECTION OF PROPERTY" (LPC RULES) AND BS 5839-1:2002+A2:2008 WITH MODIFICATIONS AS REQUIRED IN FSD CIRCULAR LETTER NO. 1/2002 & 2/2012 TO BE PROVIDED FOR AREAS NOT PROTECTED BY AUTOMATIC SPRINKLER SYSTEM. HEAT DETECTION SYSTEM TO BE PROVIDED FOR CONSUMER ELECTRICAL EQUIPMENT/MECHANICAL PLANT/BE ROOM. AUTOMATIC FIRE ALARM PANEL TO BE PROVIDED AT GF FIRE CONTROL CENTRE AS INDICATED ON THE DRAWINGS. ALARM SIGNAL TO BE TRANSMITTED TO F.S. COMMUNICATION CENTRE VIA DIRECT TELEPHONE LINK.

a. TO BE PROVIDED AT LOCATIONS AS INDICATED ON THE DRAWINGS. CAPACITY OF THE WATER TANK TO BE 27m³.

b. SINGLE OUTLET TYPE HYDRANTS TO BE PROVIDED. HOSE REEL TO BE PROVIDED THAT EVERY PART OF THE BUILDING CAN BE REACHED BY A LENGTH OF NOT MORE THAN 30m HOSE REEL TUBING.

a. TO BE PROVIDED AT LOCATIONS AS INDICATED ON THE DRAWINGS

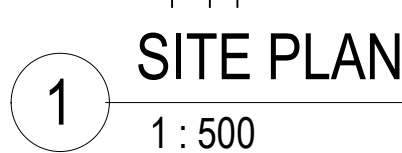
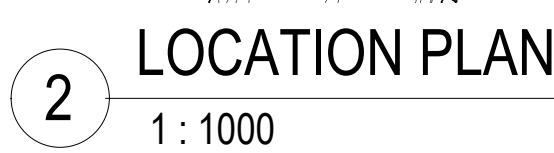
a. NOT TO BE PROVIDED FOR ALL BUILDINGS.




- a. ALL LININGS FOR ACOUSTIC AND THERMAL INSULATION PURPOSES IN DUCTING AND CONCEALED LOCATIONS SHALL BE TESTED IN ACCORDANCE WITH CODE OF PRACTICE FOR FIRE SAFETY IN BUILDINGS 2011 (COP FOR F.S.B.) SUB SECTION E15.1.
- b. ALL LININGS FOR ACOUSTIC, THERMAL INSULATION AND DECORATIVE PURPOSES WITHIN PROTECTED MEANS OF ESCAPE SHALL BE TESTED IN ACCORDANCE WITH CODE OF PRACTICE FOR FIRE SAFETY IN BUILDINGS 2011 (FSB 2011) SUB SECTION E13.2.

FOR REFERENCE ONLY

DRAWING LIST

REFERENCE ONLY		DRAWING LIST
	DRAWING TITLE	REVISION
FS001	LEGENDS, ABBREVIATION AND GENERAL NOTES	0
FS100	SCHEMATIC	0
FS101	F.S. LAYOUT PLAN AT LEVEL GF, L01, L02, L03	0
FS102	F.S. LAYOUT PLAN AT LEVEL L04-L15, RF, URF, TRF	0
FS400	F.S. ROOF SPRINKLER PUMP ROOM AT LEVEL RF	0
FS401	F.S. DANGEROUS GOOD STORE LAYOUT AT LEVEL GF	0
FS500	F.S. STATIC SMOKE EXTRACTION PLAN	0
FS501	F.S. STATIC SMOKE EXTRACTION SECTION	0



D.O.REFERENCE		
F.S.D.REFERENCE		
W.W.O.REFERENCE		
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CLIENT LOGO	 <div>CONSTRUCTION INDUSTRY COUNCIL 建造業議會</div>	
CONSULTANT LOGO	 <div>CONSTRUCTION INDUSTRY COUNCIL 建造業議會</div>	
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0	1ST SUBMISSION	08-03-2021
REV	DESCRIPTION	DATE
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CHECKED	CHECKER	DD/MM/YYYY
DESIGNED	DESIGNER	DD/MM/YYYY
DRAWN	BIM MODELLER	DD/MM/YYYY
PROJECT		
CIC SAMPLE PROJECT		
DRAWING TITLE		
LEGENDS, ABBREVIATION AND GENERAL NOTES		
		
PROJECT NUMBER PXXXXXX		
PURPOSE OF ISSUE PLANNING SUBMISSION		
SCALE As indicated A1		
DRAWING NO.		
PXXXXX/FS001		REV 0

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MODELNAME:
FILENAME:

2

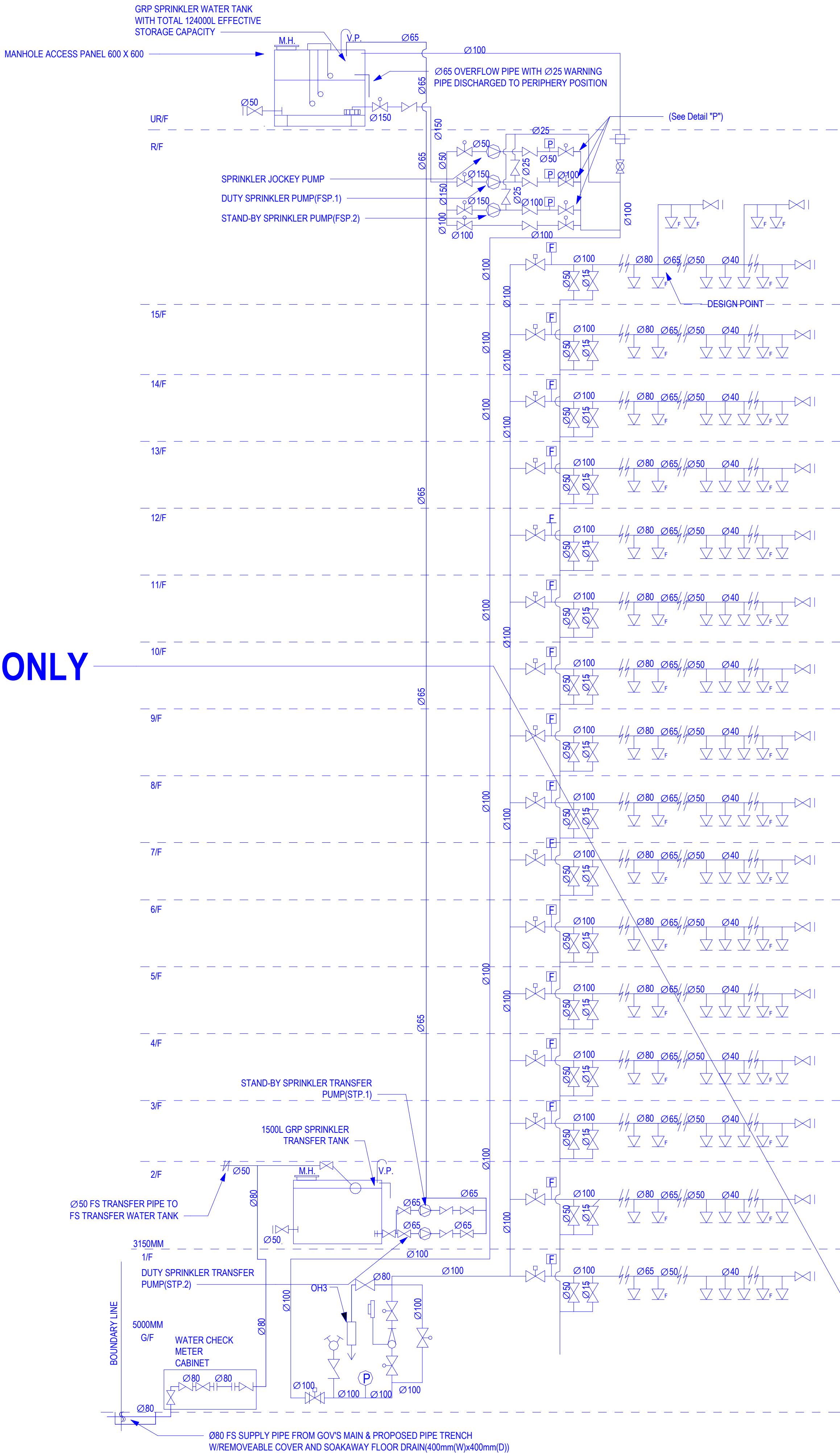
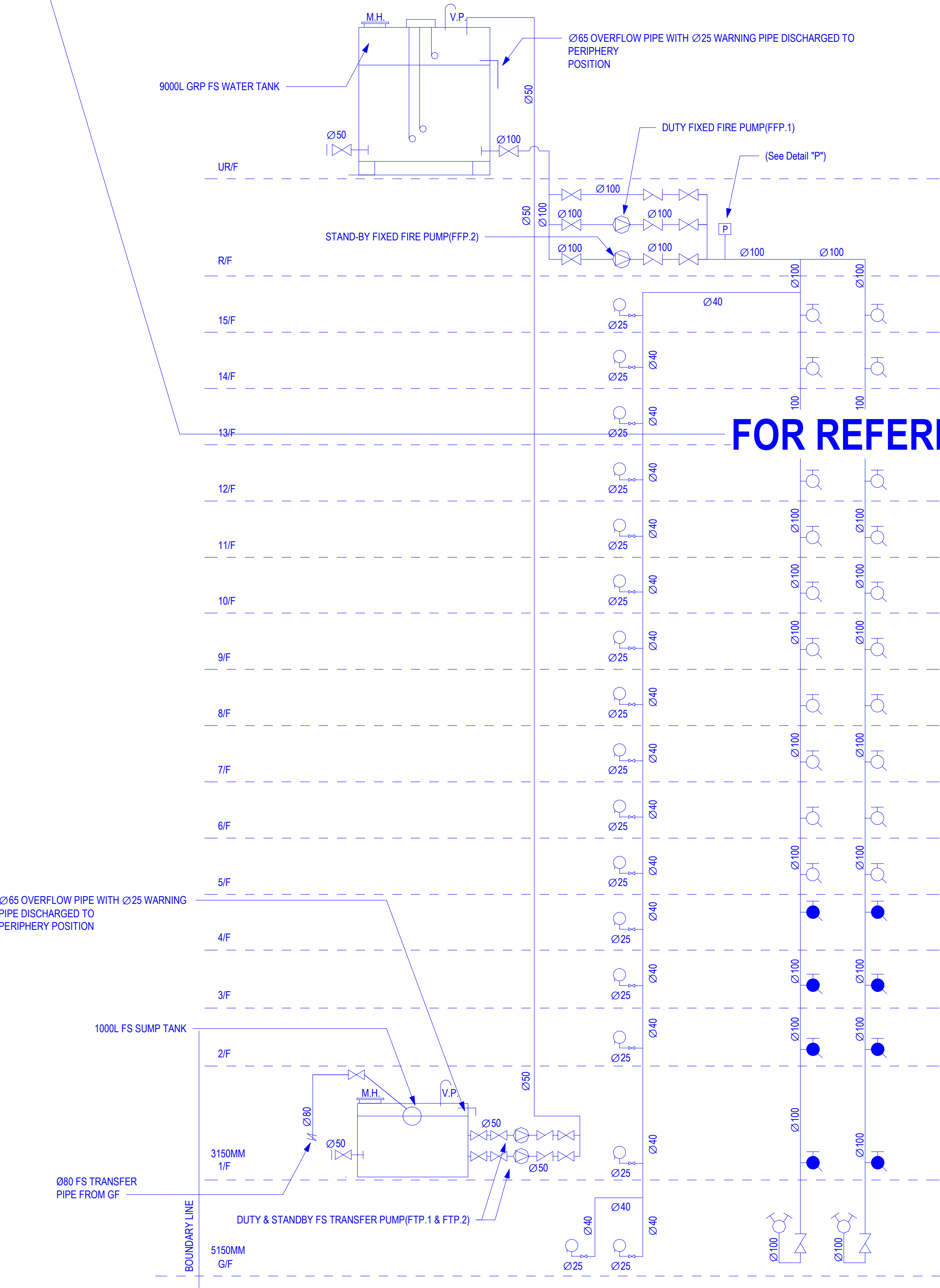
SCHEMATIC PIPING DIAGRAM OF FH/HR SYSTEM

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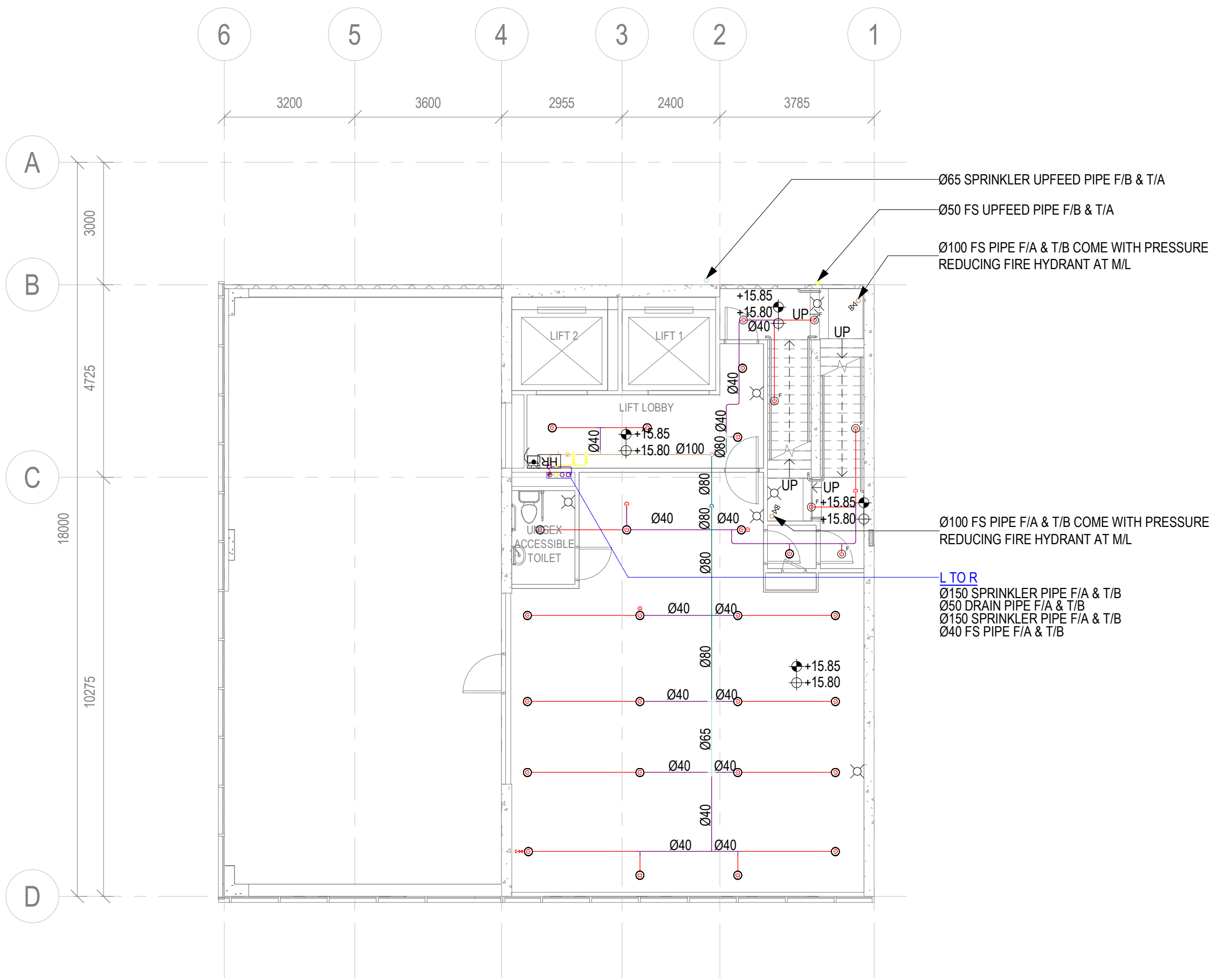
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SCHEMATIC PIPING DIAGRAM OF SPRINKLER SYSTEM

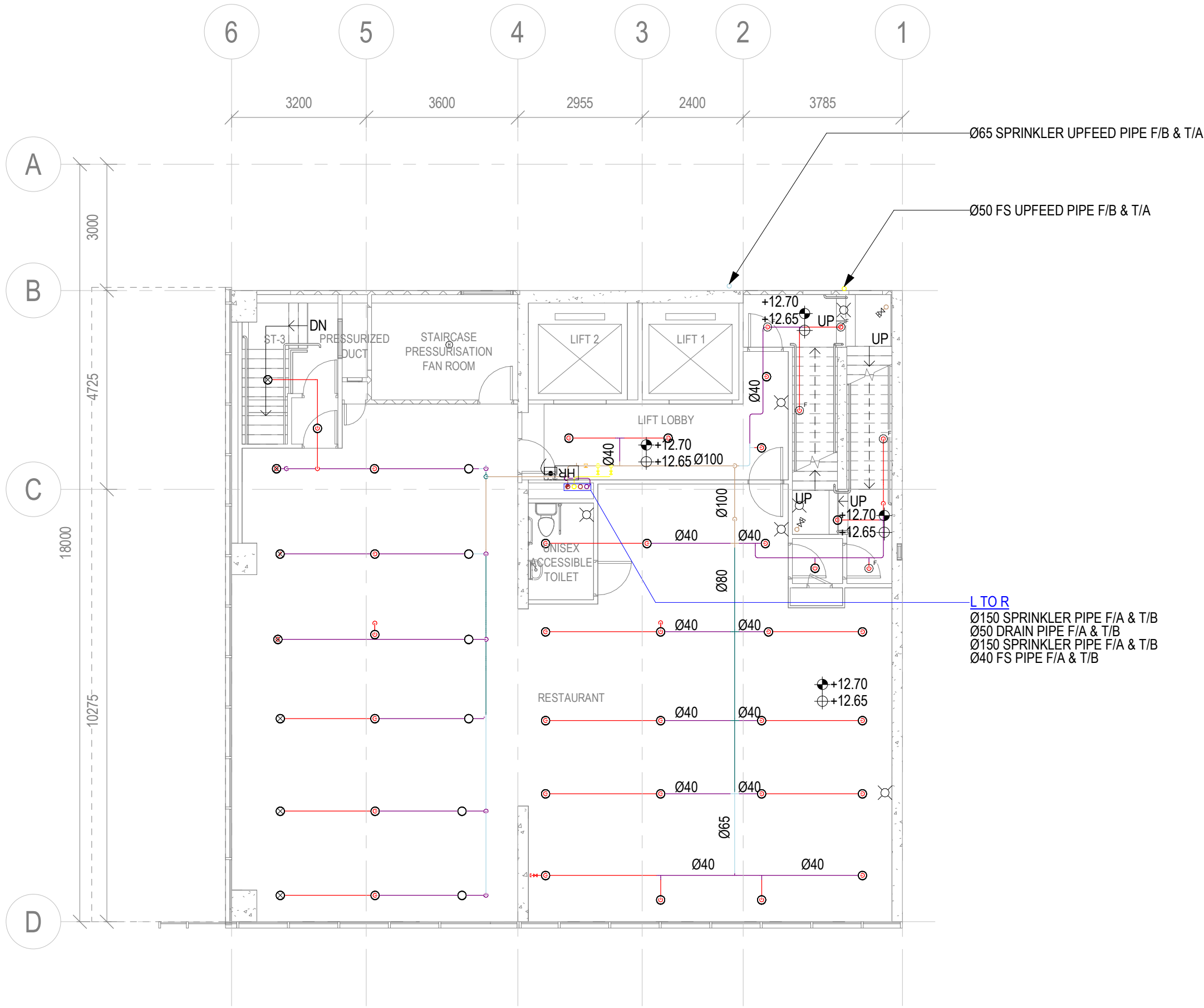
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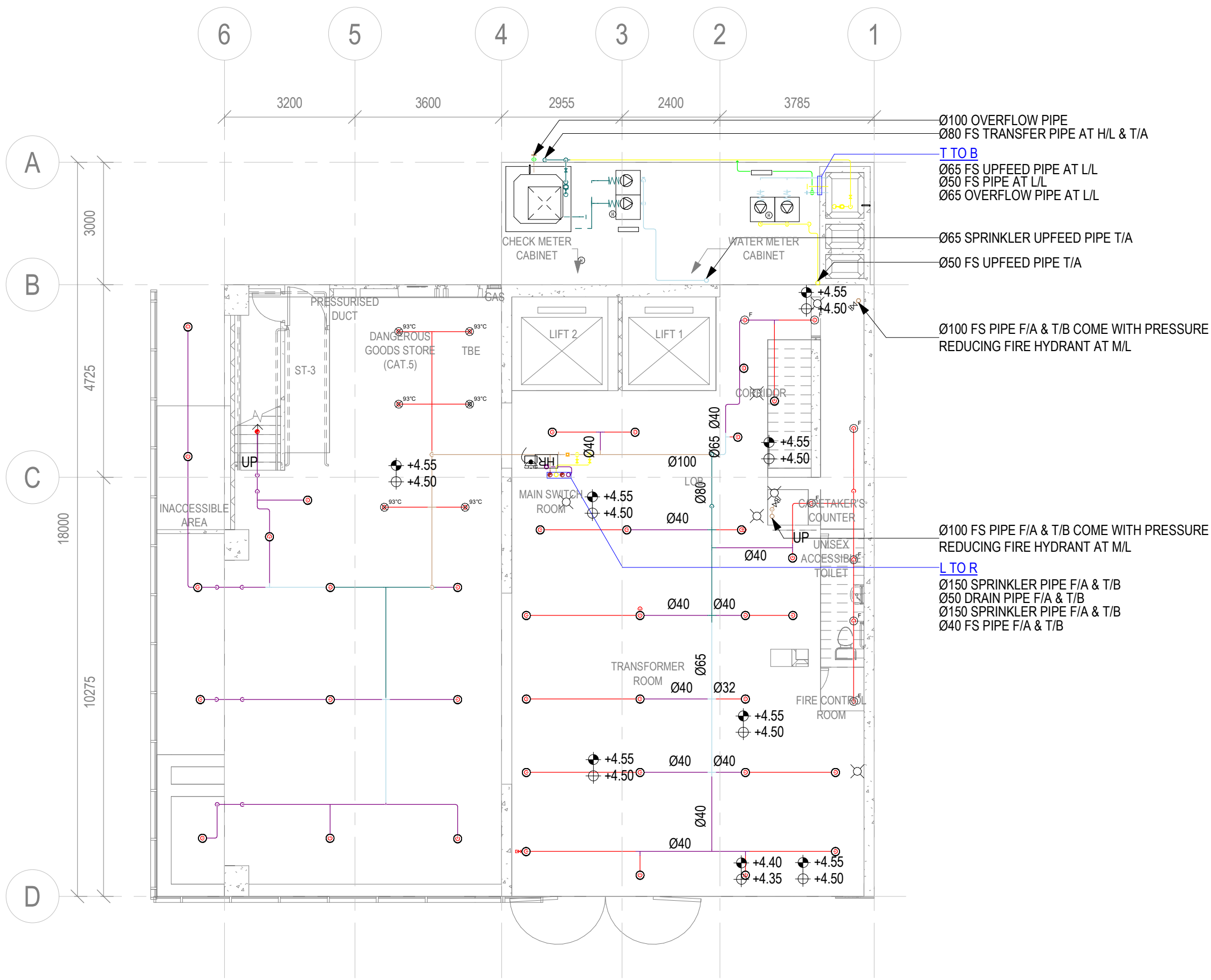
B.D.REFERENCE		
F.S.D.REFERENCE		
W.W.O.REFERENCE		
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CHECKED CHECKER DD/MM/YYYY		
DESIGNED DESIGNER DD/MM/YYYY		
DRAWN BIM MODELLER DD/MM/YYYY		
PROJECT		
CIC SAMPLE PROJECT		
DRAWING TITLE		
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PROJECT NUMBER PXXXXX		
PURPOSE OF ISSUE PLANNING SUBMISSION		
SCALE 1 : 100 A1		
DRAWING NO. PXXXXX/FS100		
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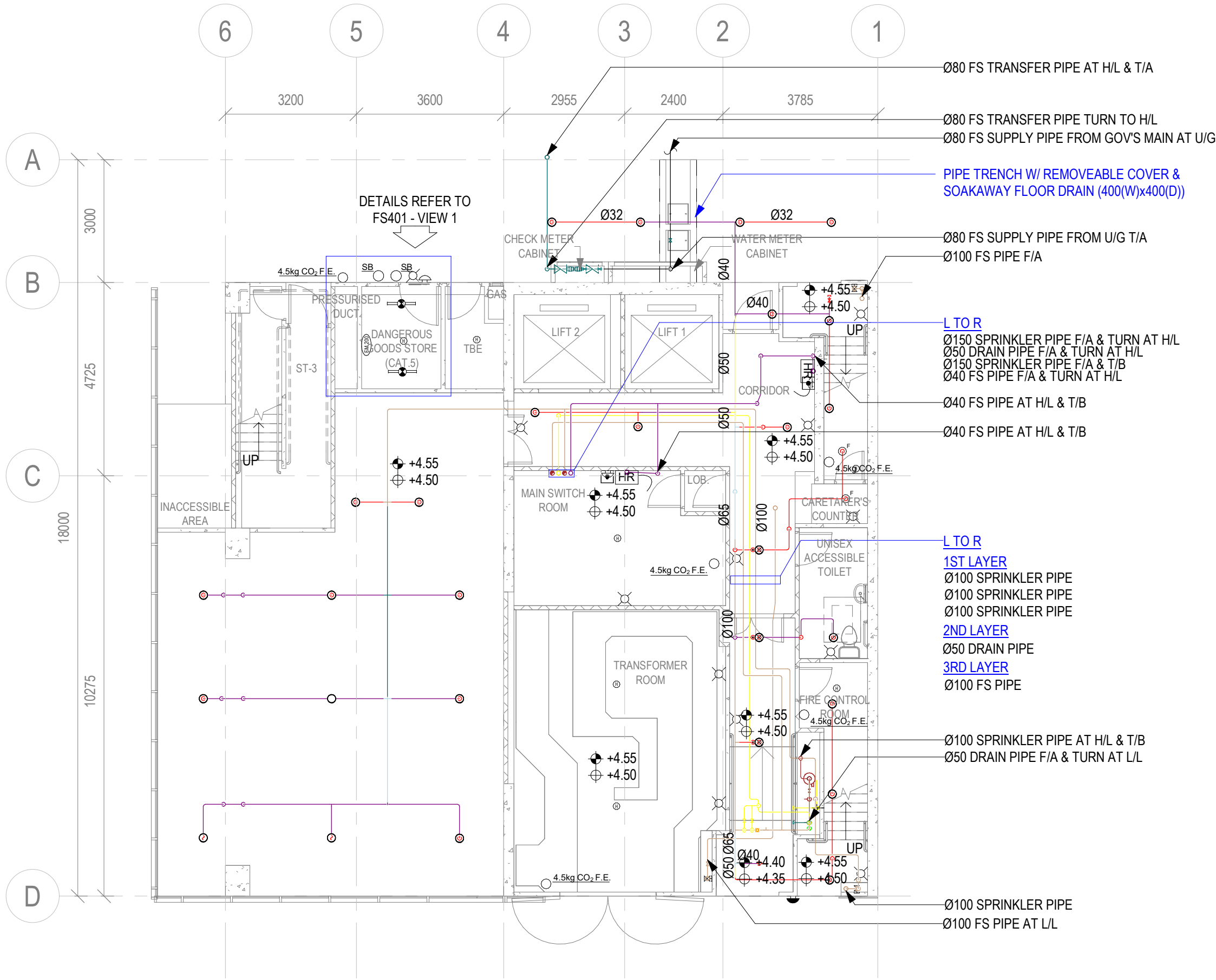
4 L03 PLAN
1: 100



3 L02 PLAN
1: 100

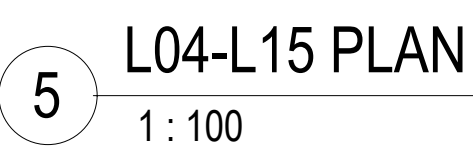
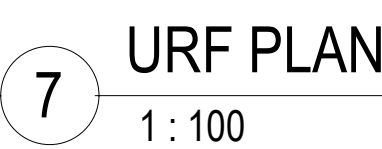


2 L01 PLAN
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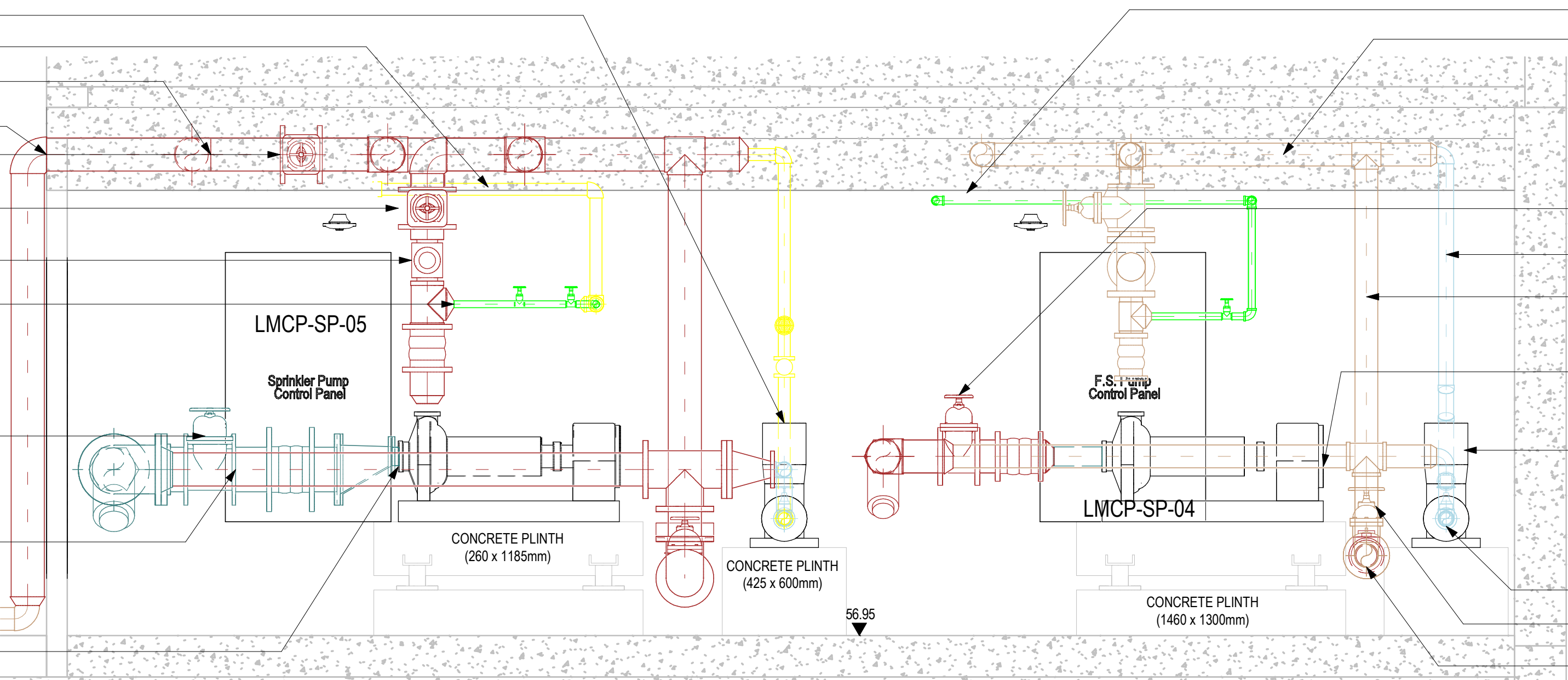
1 GF PLAN
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B.D.REFERENCE		
F.S.D.REFERENCE		
W.W.O.REFERENCE		
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CHECKED	CHECKER	DD/MM/YYYY
DESIGNED	DESIGNER	DD/MM/YYYY
DRAWN	BIM MODELLER	DD/MM/YYYY
PROJECT		
CIC SAMPLE PROJECT		
DRAWING TITLE		
F.S. LAYOUT PLAN AT LEVEL GF, L01, L02, L03		
PROJECT NUMBER PXXXXX		
PURPOSE OF ISSUE PLANNING SUBMISSION		
SCALE 1: 100 A1		
DRAWING NO. PXXXXX/FS101		
REV 0		



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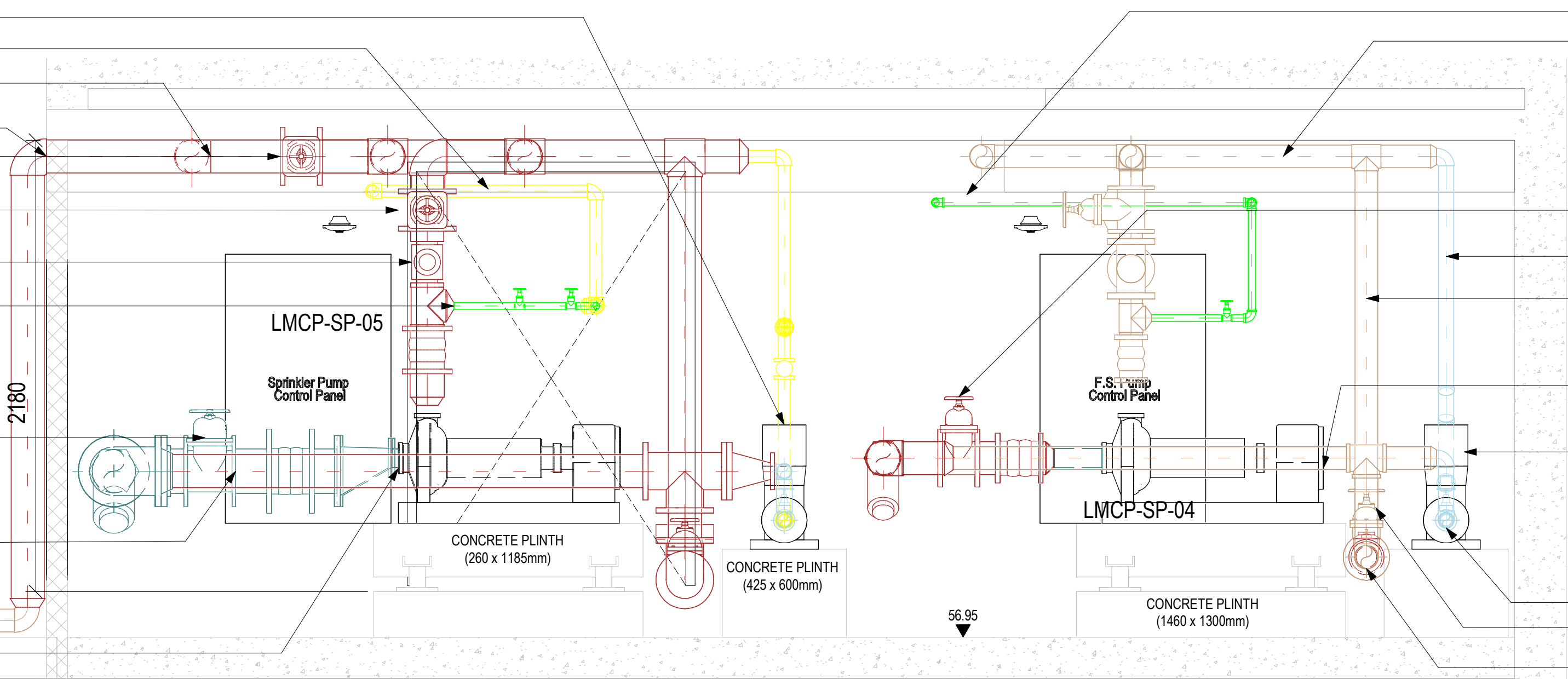
WATER PUMP 001
Ø50 SCP C.L.+59.10
Ø150 SPRINKLER PIPE C.L.+59.27
Ø150 SPRINKLER PIPE C.L.+59.27
FLANGED GATE VALVE
FLANGED GATE VALVE
CHECK VALVE
Ø25 SCP C.L.+58.55
FLANGED GATE VALVE
Ø200 SPRINKLER PIPE C.L.+57.75
Ø100 SPRINKLER PIPE C.L.+57.03
END SUCTION PUMP 002



Ø25 FS RETURN PIPE C.L.+59.05
Ø100 FS PIPE C.L.+59.27
FLANGED GATE VALVE
Ø65 FS PIPE
Ø100 FS PIPE
END SUCTION PUMP 004
WATER PUMP 002
Ø65 FS PIPE C.L.+57.52
FLANGED GATE VALVE
Ø100 FS PIPE C.L.+57.34

2 Section A - A (SPRINKLER PUMP ROOM)_IFC
1 : 20

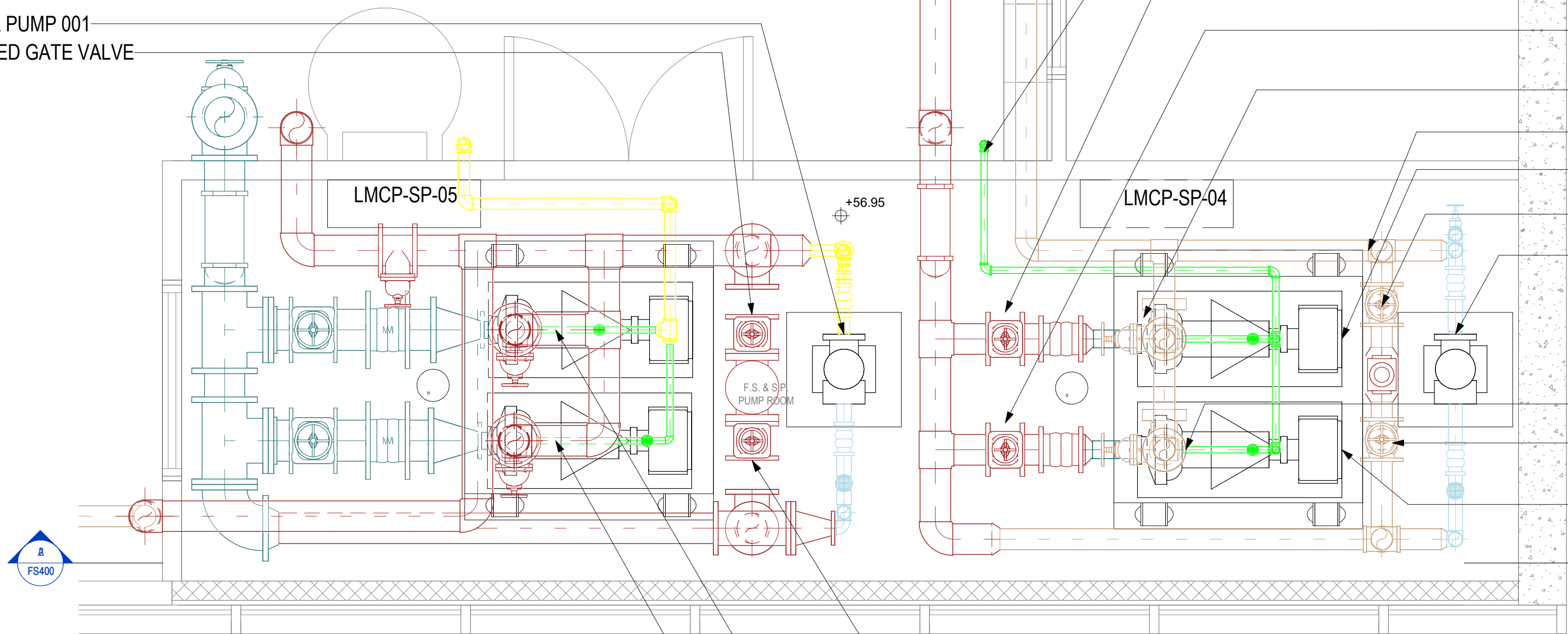
WATER PUMP 001
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Ø150 SPRINKLER PIPE C.L.+59.27
Ø150 SPRINKLER PIPE C.L.+59.27
FLANGED GATE VALVE
FLANGED GATE VALVE
CHECK VALVE
Ø25 SCP C.L.+58.55
FLANGED GATE VALVE
Ø200 SPRINKLER PIPE C.L.+57.75
Ø100 SPRINKLER PIPE C.L.+57.03
END SUCTION PUMP 002



Ø25 FS RETURN PIPE C.L.+59.05
Ø100 FS PIPE C.L.+59.27
FLANGED GATE VALVE
Ø65 FS PIPE
Ø100 FS PIPE
END SUCTION PUMP 004
WATER PUMP 002
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FLANGED GATE VALVE
Ø100 FS PIPE C.L.+57.34



A Section A - A (SPRINKLER PUMP ROOM)
1 : 20

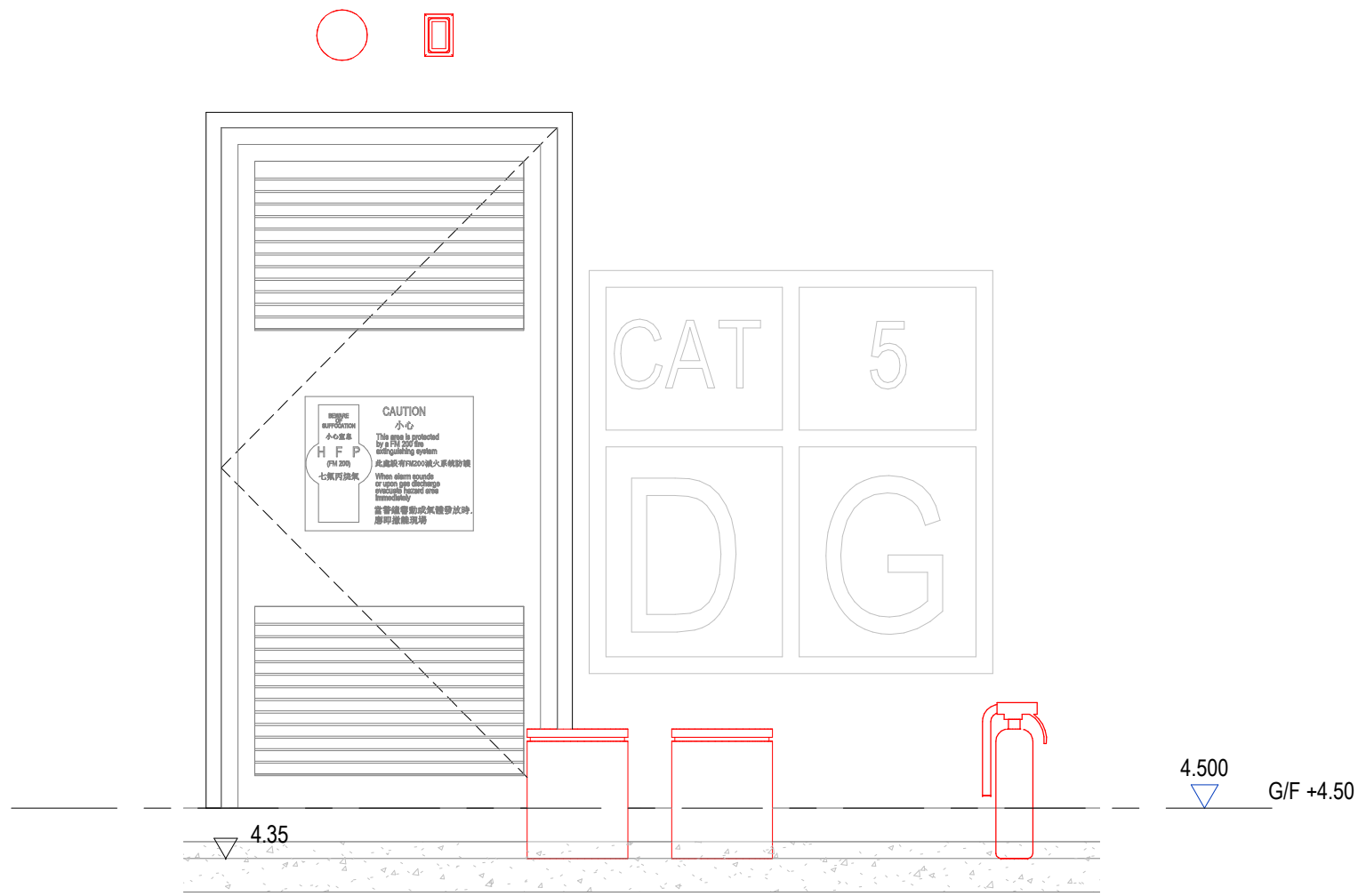
WATER PUMP 001
FLANGED GATE VALVE



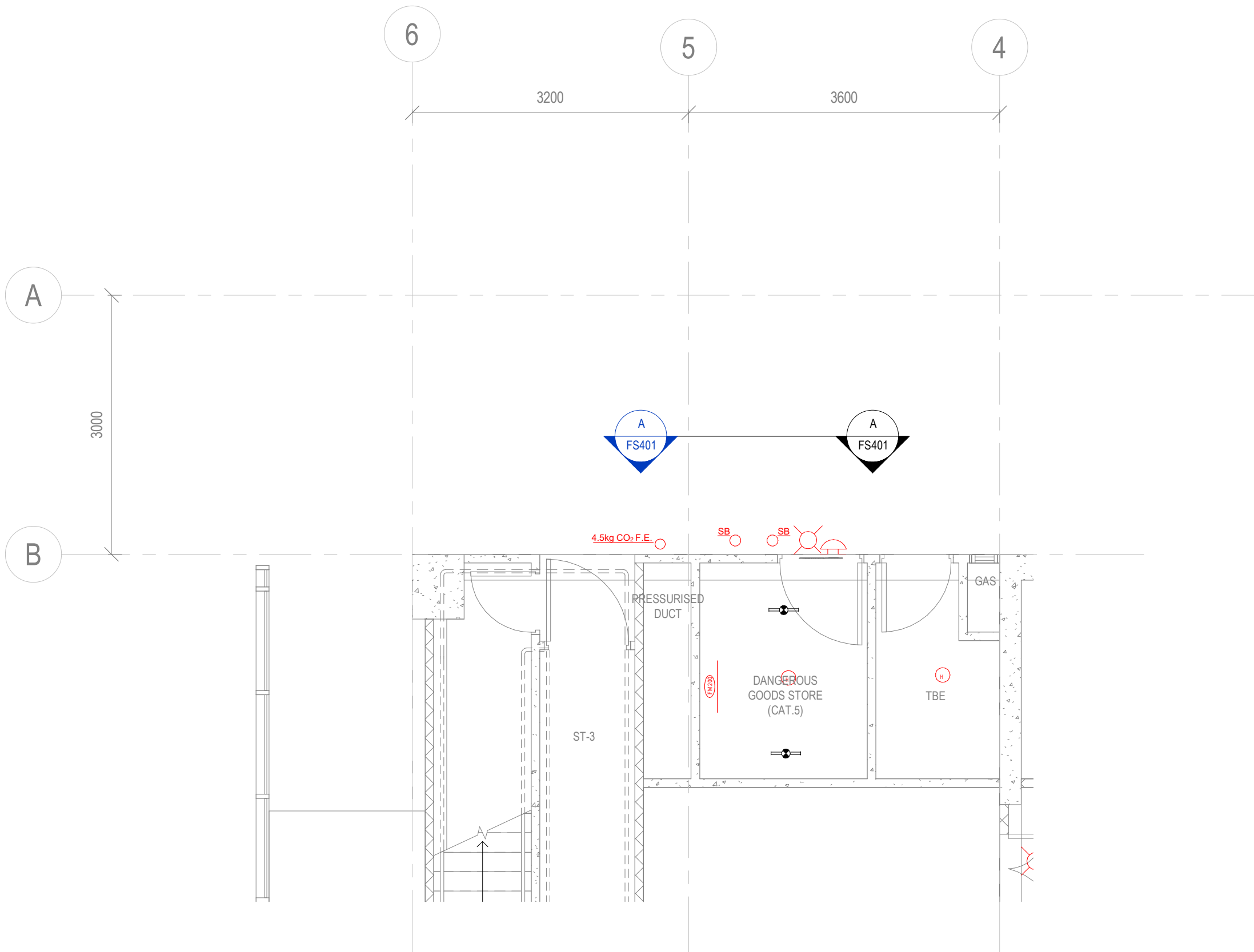
Ø25 FS RETURN PIPE C.L.+59.05
FLANGED GATE VALVE
FLANGED GATE VALVE
FLANGED GATE VALVE
Ø100 FS PIPE C.L.+59.27
END SUCTION PUMP 003
FLANGED GATE VALVE
WATER PUMP 002
FLANGED GATE VALVE
FLANGED GATE VALVE
END SUCTION PUMP 004

1 FS & SP PUMP ROOM PART PLAN
1 : 20

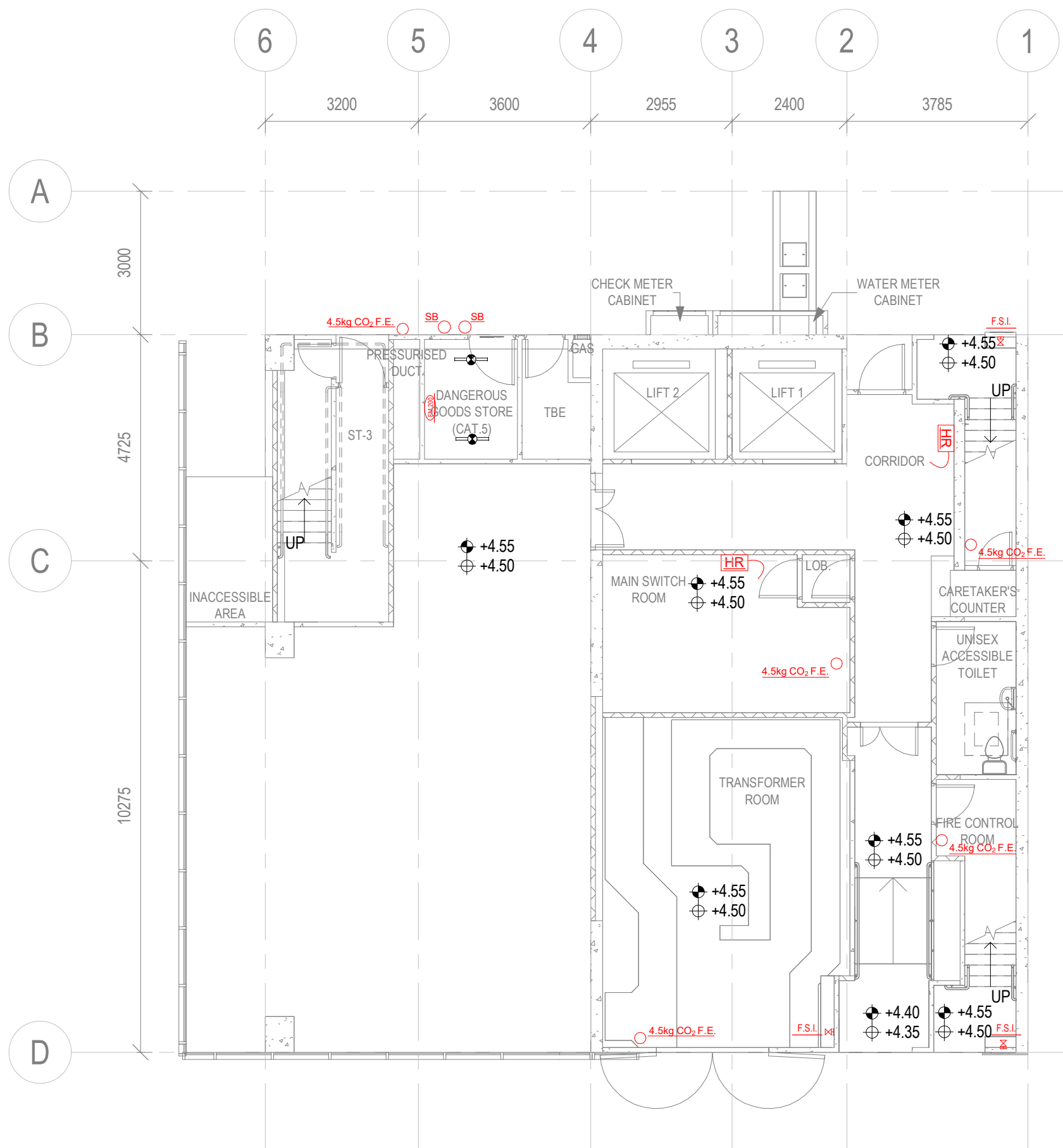
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CONSULTANT LOGO		
<div><div>CONSTRUCTION INDUSTRY COUNCIL 建造業議會</div></div>		
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SECTION A - A (DGS)
1 : 20



GF DANGEROUS GOOD STORE PART PLAN
1 : 50



GF PLAN
1 : 100

B.D.REFERENCE

F.S.D.REFERENCE

W.W.O.REFERENCE

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1ST SUBMISSION

08-03-2021

REV

DESCRIPTION

DATE

APPROVED

APPROVER

DD/MM/YYYY

CHECKED

CHECKER

DD/MM/YYYY

DESIGNED

DESIGNER

DD/MM/YYYY

DRAWN

BIM MODELLER

DD/MM/YYYY

PROJECT

CIC SAMPLE PROJECT

DRAWING TITLE

F.S. DANGEROUS GOOD STORE LAYOUT AT LEVEL GF

PROJECT NUMBER

PXXXXX

PURPOSE OF ISSUE

PLANNING SUBMISSION

SCALE


As indicated A1

DRAWING NO.

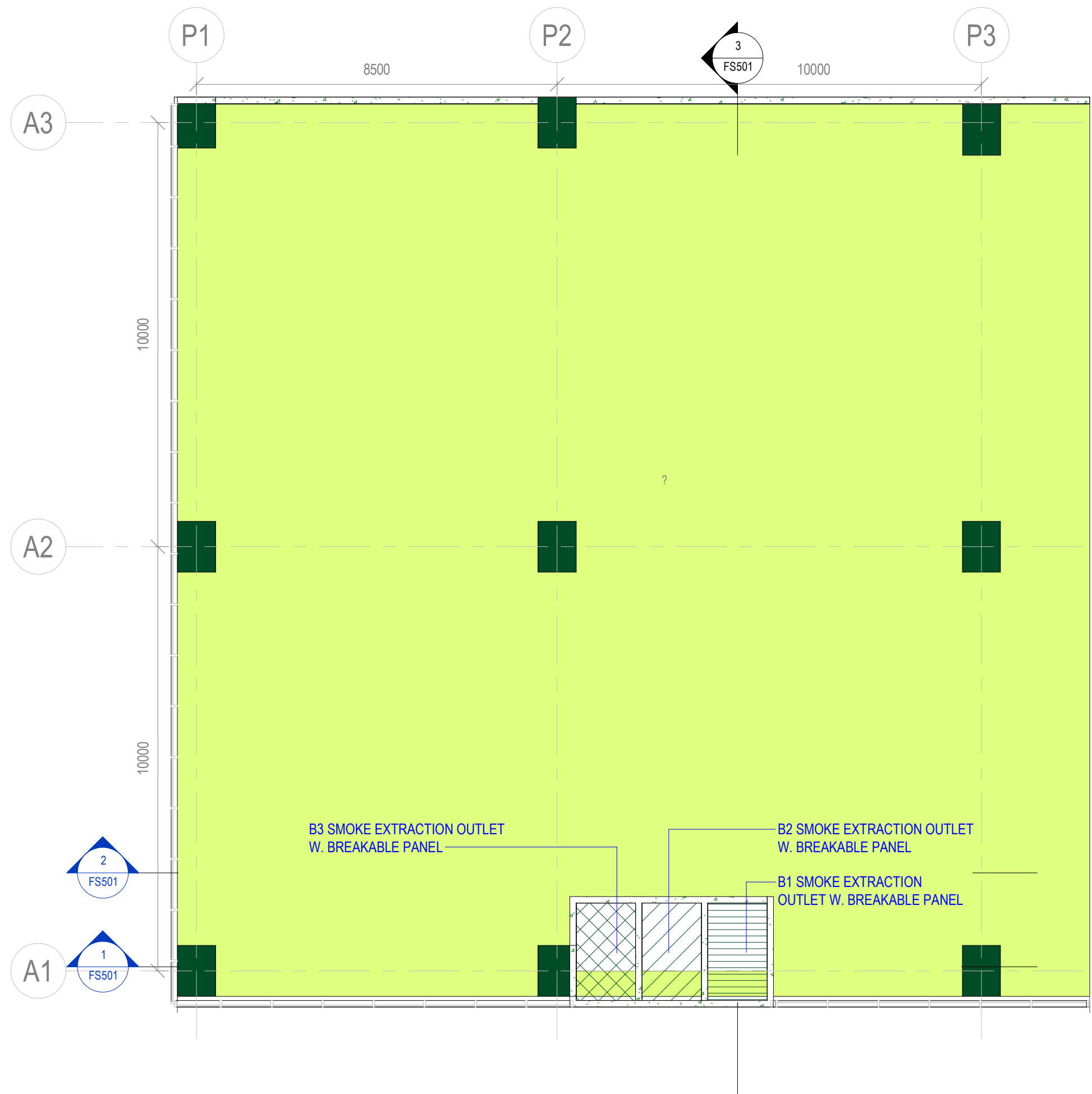
PXXXXX/FS401

REV

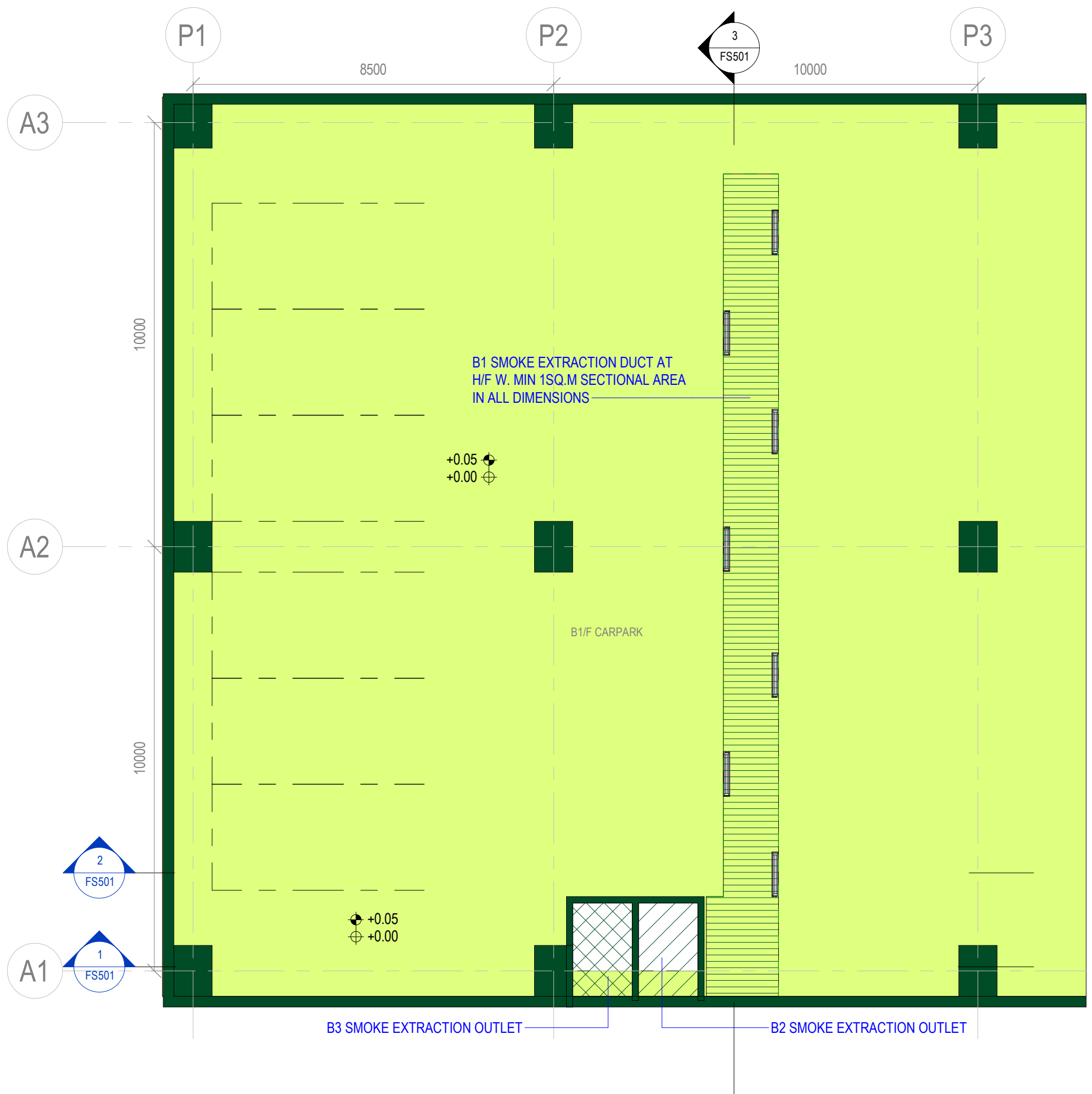
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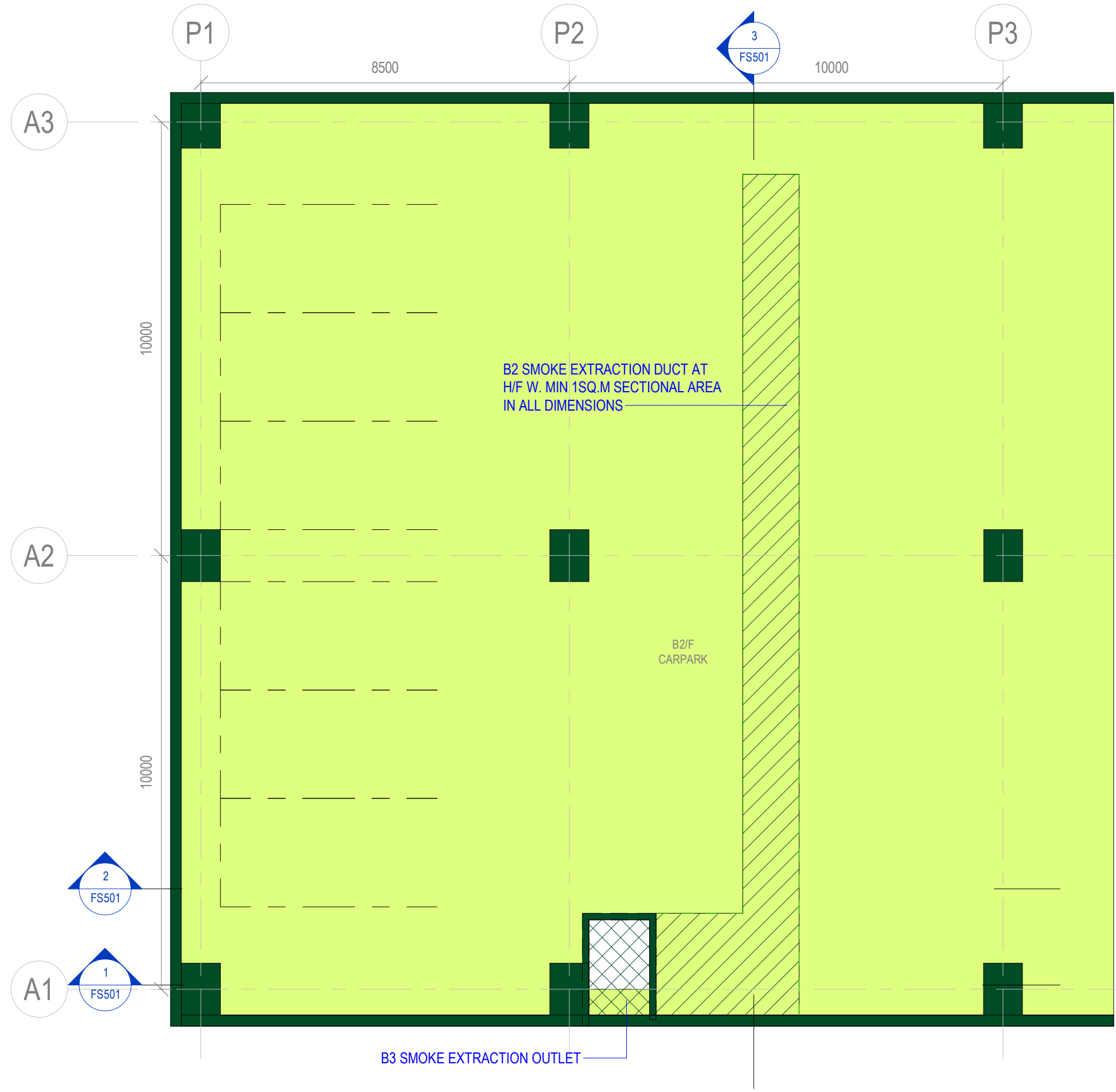
PLOT DRV: 11/11/2021 6:29:40 pm
PRINTED BY:
MODELNAME:
FILENAME:



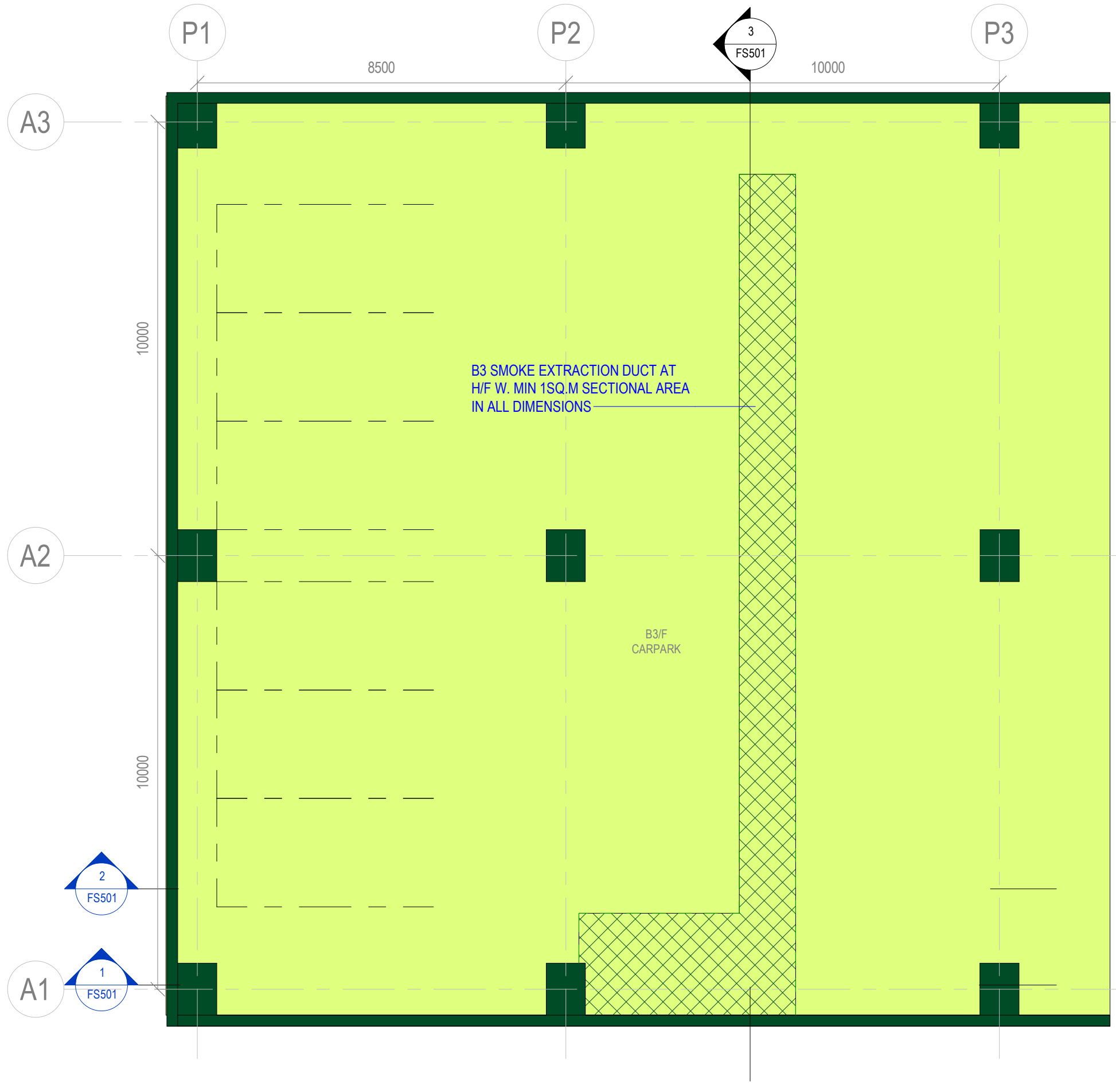
1 G/F PART PLAN SHOWING SMOKE EXTRACTION
1 : 100





2 B1 PART PLAN SHOWING SMOKE EXTRACTION
1 : 100



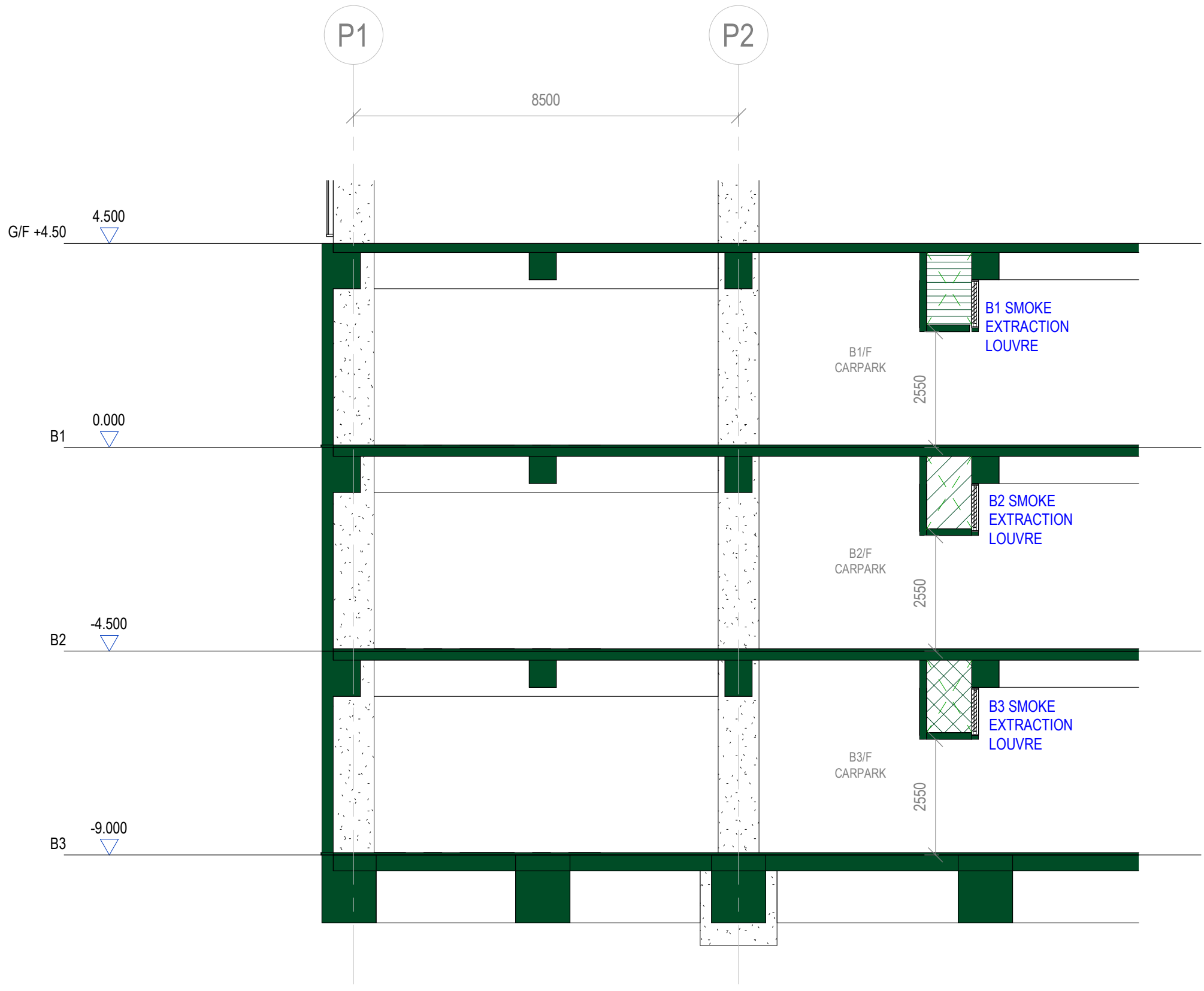
3 B2 PART PLAN SHOWING SMOKE EXTRACTION
1 : 100



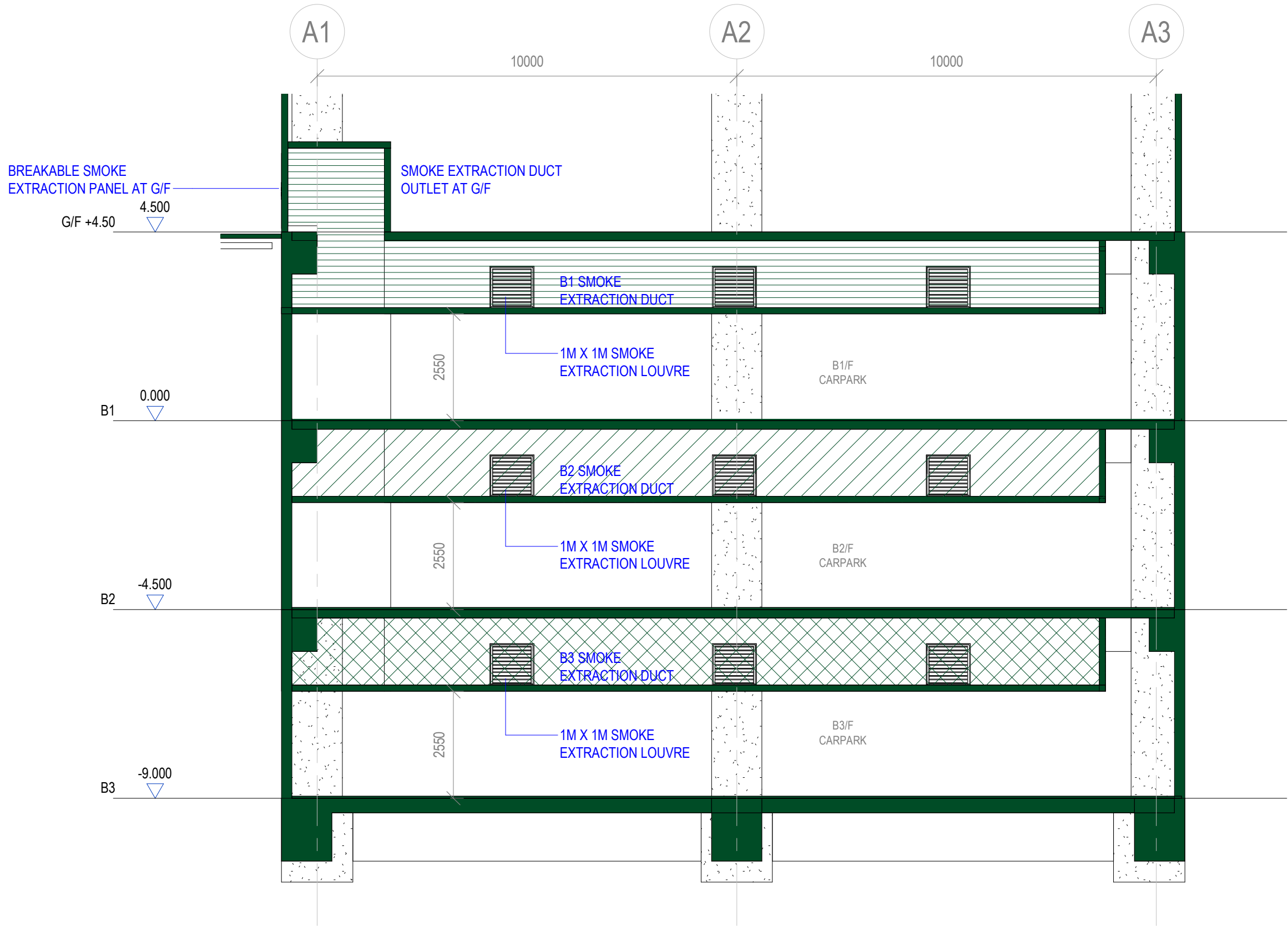
4 B3 PART PLAN SHOWING SMOKE EXTRACTION
1 : 100

B.D.REFERENCE		
F.S.D.REFERENCE		
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0 1ST SUBMISSION 08-03-2021		
REV DESCRIPTION DATE		
NAME AND DESIGNATION DATE		
APPROVED APPROVER DD/MM/YYYY		
CHECKED CHECKER DD/MM/YYYY		
DESIGNED DESIGNER DD/MM/YYYY		
DRAWN BIM MODELLER DD/MM/YYYY		
PROJECT		
CIC SAMPLE PROJECT		
DRAWING TITLE		
F.S. STATIC SMOKE EXTRACTION PLAN		
PROJECT NUMBER PXXXXX		
PURPOSE OF ISSUE PLANNING SUBMISSION		
SCALE 1 : 100 A1		
DRAWING NO. PXXXXX/FS500		
REV 0		

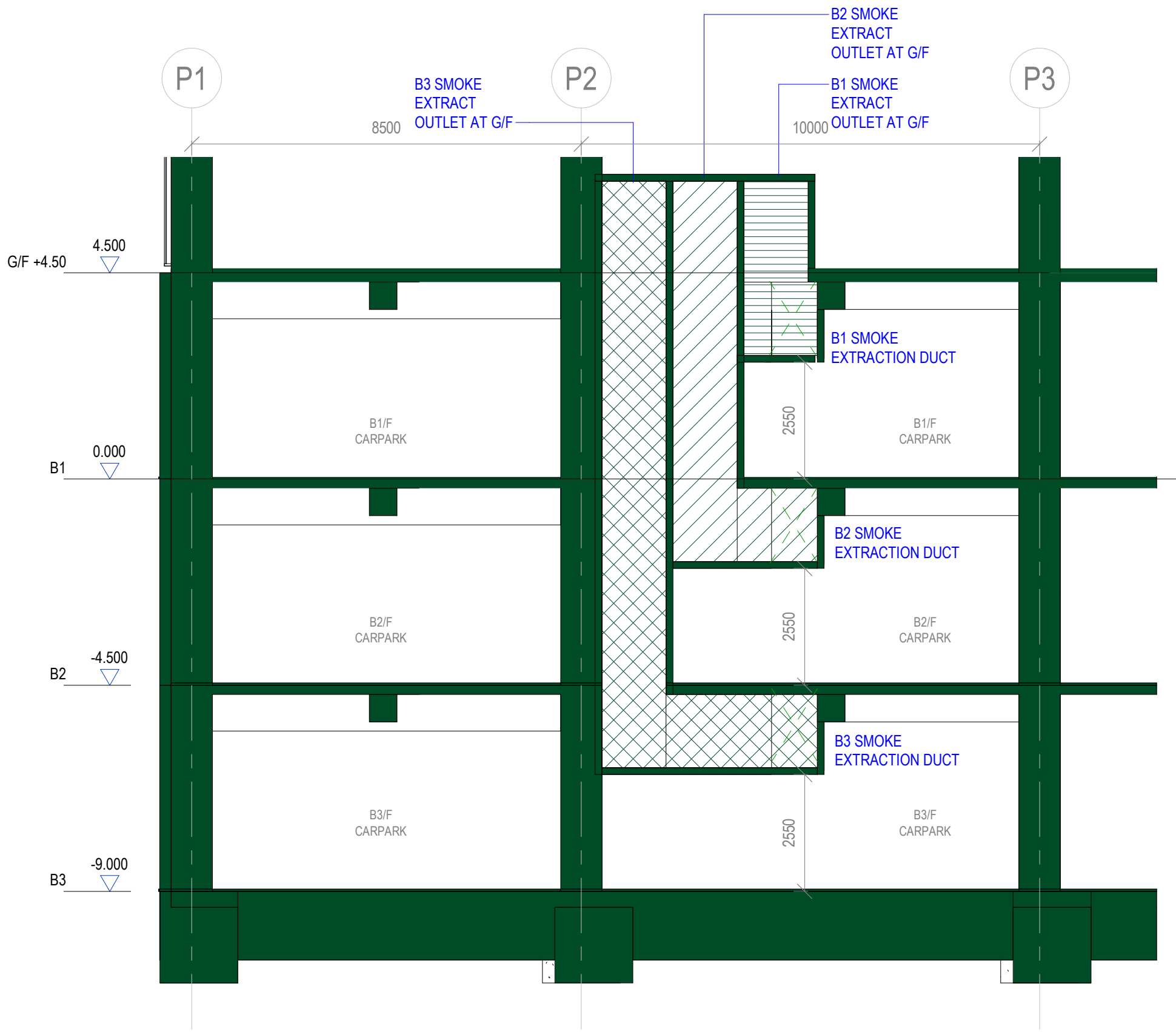




2 SECTION THROUGH SMOKE EXTRACTION DUCT
1 : 100



3 SECTION THROUGH SMOKE EXTRACTION DUCT
1 : 100



1 SECTION THROUGH SMOKE EXTRACTION DUCT
1 : 100

B.D.REFERENCE

F.S.D.REFERENCE

W.W.O.REFERENCE

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01ST SUBMISSION08-03-2021

REVDESCRIPTIONDATE

APPROVEDAPPROVERDD/MM/YYYY

CHECKEDCHECKERDD/MM/YYYY

DESIGNEDDESIGNERDD/MM/YYYY

DRAWNBIM MODELLERDD/MM/YYYY

PROJECT

CIC SAMPLE PROJECT

DRAWING TITLE

F.S. STATIC SMOKE EXTRACTION SECTION


PROJECT NUMBERPXXXXX

PURPOSE OF ISSUEPLANNING SUBMISSION

SCALE1 : 100 A1

DRAWING NO.PXXXXX/FS501

REV0



GENERAL NOTES

- ALL PLUMBING WORKS SHALL FULLY COMPLY WITH THE LATEST GENERAL SPECIFICATION FOR PLUMBING & DRAINAGE INSTALLATION OF ARCHITECTURAL SERVICES DEPARTMENT.
- MATERIAL OF WATER SUPPLY PIPE & FITTINGS:
 - FRESH WATER PIPE

UNDER GROUND	ABOVE GROUND
<ul style="list-style-type: none">FOR Ø80mm AND ABOVE, DUCTILE IRON PIPE TO BS EN 545 CLASS K12.FOR BELOW Ø80mm, STAINLESS STEEL PIPE TO BS EN 10312 (EQUIVALENT BS 4127 SERIES 1 IN GRADE 316 WITH CONCRETE SURROUND).	<ul style="list-style-type: none">FOR ABOVE Ø54, (FOR POTABLE WATER) STAINLESS STEEL PIPE TO BS 3605 PART 2 IN 316 GRADE.FOR Ø54 AND BELOW, (FOR POTABLE WATER) STAINLESS STEEL PIPE TO BS 4127 IN 316 GRADE.FOR Ø80mm AND ABOVE, (FOR CLEANSING & IRRIGATION) DUCTILE IRON PIPE TO BS EN 545 CLASS K12.FOR BELOW Ø80mm, (FOR CLEANSING & IRRIGATION) COPPER PIPE TO BS EN 1057, R250 WITH CAPILLARY JOINTS.

ALL CONNECTION JOINTS TO BE PAINTED TO MATCH THE INSULATION COLOR.

FLUSHING WATER PIPE

UNDER GROUND	ABOVE GROUND
<ul style="list-style-type: none">FOR Ø80mm AND ABOVE, DUCTILE IRON PIPE TO BS EN 545 CLASS K12.FOR BELOW Ø80mm, UNPLASTICISED POLYVINYL CHLORIDE (UPVC) PIPE TO ISO 4422 - PART 1 & PART 2, (EQUIVALENT BS 3505), CLASS D OR ABOVE WITH FITTING TO ISO 4422 - PART 3 (EQUIVALENT BS 4346) WITH 150mm MINIMUM THICKNESS OF CONCRETE SURROUND.	<ul style="list-style-type: none">FOR Ø80 AND ABOVE, DUCTILE IRON PIPE TO BS EN 545 CLASS K12.FOR BELOW Ø80, UNPLASTICISED POLYVINYL CHLORIDE (UPVC) PIPE TO ISO 4422 - PART 1 & PART 2, (EQUIVALENT BS 3505), CLASS D OR ABOVE WITH FITTING TO ISO 4422 - PART 3 (EQUIVALENT BS 4346).

FIRE SERVICE WATER PIPE

UNDER GROUND	ABOVE GROUND
DUCTILE IRON PIPE TO BS EN 545 CLASS K12.	HOT DIP ZINC COATED GALVANIZED STEEL PIPE TO BS EN 10255.

- WATER POINT(S) FOR PLANTER TO BE PROVIDED WITH LOCKING DEVICE AND INSTALLED AT 1000mm HIGH ABOVE GROUND LEVEL.
- ACTUAL INLET LEVEL FOR WATER STORAGE TANKS TO BE DECIDED ON SITE.
- ALL WATER METERS TO BE SITED ABOVE GROUND LEVEL HORIZONTALLY AND SUPPLY PIPES BEFORE THE METERS AT GROUND LEVEL TO BE LAID IN EXPOSED MANNER.
- ALL WATER METERS TO BE LOCATED IN BETWEEN 300mm TO 1500mm ABOVE GROUND LEVEL.
- THE LOCATION OF BRANCH VALVES AND THE CONTROL VALVES SERVING THE GROUP OF SUPPLY POINTS TO BE REFERRED TO SCHEMATIC DIAGRAM OF WATER SUPPLY.
- NO WATER PIPE SHALL BE EMBEDDED IN LOAD BEARING STRUCTURAL ELEMENTS SUCH AS COLUMNS, BEAMS AND SLABS IN LONGITUDINAL DIRECTION.
- THE WATER PIPES THROUGH STRUCTURAL ELEMENTS TO BE PROTECTED BY SLEEVING WITH PROPRIETARY FIRE STOP OF 2 HOURS FIRE RESISTANCE PERIOD (F.R.P.).
- ALL PIPES BRANCH OFF FROM PIPE DUCT MUST BE PROVIDED WITH FIRE RESISTANCE COLLAR.
- ALL EXPOSED PIPES TO BE PAINTED WITH THE COLOUR MATCHED TO WALLS OR CEILINGS.
- MATCHING COVER FOR VALVE PITS TO BE 450x450mm CLEAR OPENING HEAVY DUTY GALVANISED MILD STEEL DOUBLE SEAL RECESSED COVER & FRAME FOR 60mm TH. BLOCK PAVIOR INFILL TO SUIT GALVANISED TO 11.5 TONNES SLOW MOVING WHEEL LOADS (SMWL), BS 729 AND WITH STAINLESS STEEL LABEL SHOWING AT THE CORNER (TO BE ADVISED BY SUPERVISOR OFFICER).
- INDIVIDUAL STOP VALVES SHALL BE PROVIDED AT ALL DRAW-OFF POINTS OR AT A SERIES OF DRAW-OFF POINTS IF SITUATED CLOSE TOGETHER.
- VALVE: PIPES GREATER THAN (OR EQUAL) Ø50mm GATE VALVE TO BE USED, LESS THAN Ø50mm STOP COCK TO BE USED, UNLESS OTHERWISE SPECIFIED.
- DRAIN-OFF PIPES AT ALL WATER STORAGE TANKS SHOULD BE PROPERLY PLUGGED OFF.
- EXCEPT PLANT ROOM AREAS, ALL PLUMBING PIPES UNLESS INSTALLED WITHIN FALSE CEILING, LEDGE WALL OR PIPE DUCTS, TO BE EMBEDDED IN NON-STRUCTURAL WALLS OR FLOOR SCREED WHENEVER PRACTICABLE.
- FIBREGLASS WATER TANK TO BE MADE OF NON-TOXIC MATERIAL AND APPROVED BY WSD.
- ALL OVERFLOW PIPES AND Ø25 WARNING PIPE TO WATER TANKS TO BE UPVC PIPE AND TO BE PROVIDED WITH A SELF-CLOSING NON-RETURN FLAP AT THE END OF THE PIPES. ALL WARNING PIPE SHALL BE EXTENDED TO OUTSIDE THE PUMP ROOM FOR SUMP CISTERN AND DISCHARGE OVERFLOW WATER TO A CONSPICUOUS POSITION IN A COMMUNAL AREA EASILY VISIBLE AND ACCESSIBLE BY THE OCCUPANTS.
- WHERE NECESSARY A WARNING PIPE MAY BE INSTALLED IN ADDITION TO AN OVERFLOW PIPE TO CONSPICUOUS POSITION. WARNING PIPE MUST COMPLY WITH ALL OTHER REQUIREMENTS OF AN OVERFLOW PIPE.
- OPENINGS LEFT IN FIRE RATED WALLS/FLOOR SLABS AFTER CONSTRUCTION OF PIPES AND PIPE SLEEVE PENETRATING THROUGH SUCH WALLS & FLOORS TO BE BACK FILLED WITH APPROVED FIRE RESISTANT MATERIAL TO MAINTAIN THE REQUIRED FRP OF THAT WALL OR FLOOR SLAB.
- THE ACTUAL TEE CONNECTION TO WSD MAINS IS CARRIED OUT BY WATER SUPPLIES DEPARTMENT (WSD).
- PIPE EXPANSION JOINTS WHETHER OR NOT SHOWN ON THE DRAWINGS SHALL BE PROVIDED FOR ANY PIPES ACROSS BUILDING EXPANSION JOINT. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF BUILDING EXPANSION JOINT ON SITE.
- EXPANSION JOINTS FOR CABLE CONTAINMENT WHETHER OR NOT SHOWN ON THE DRAWINGS SHALL BE PROVIDED FOR ANY CABLE CONTAINMENT ACROSS BUILDING EXPANSION JOINT. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF BUILDING EXPANSION JOINT ON SITE.

ABBREVIATION

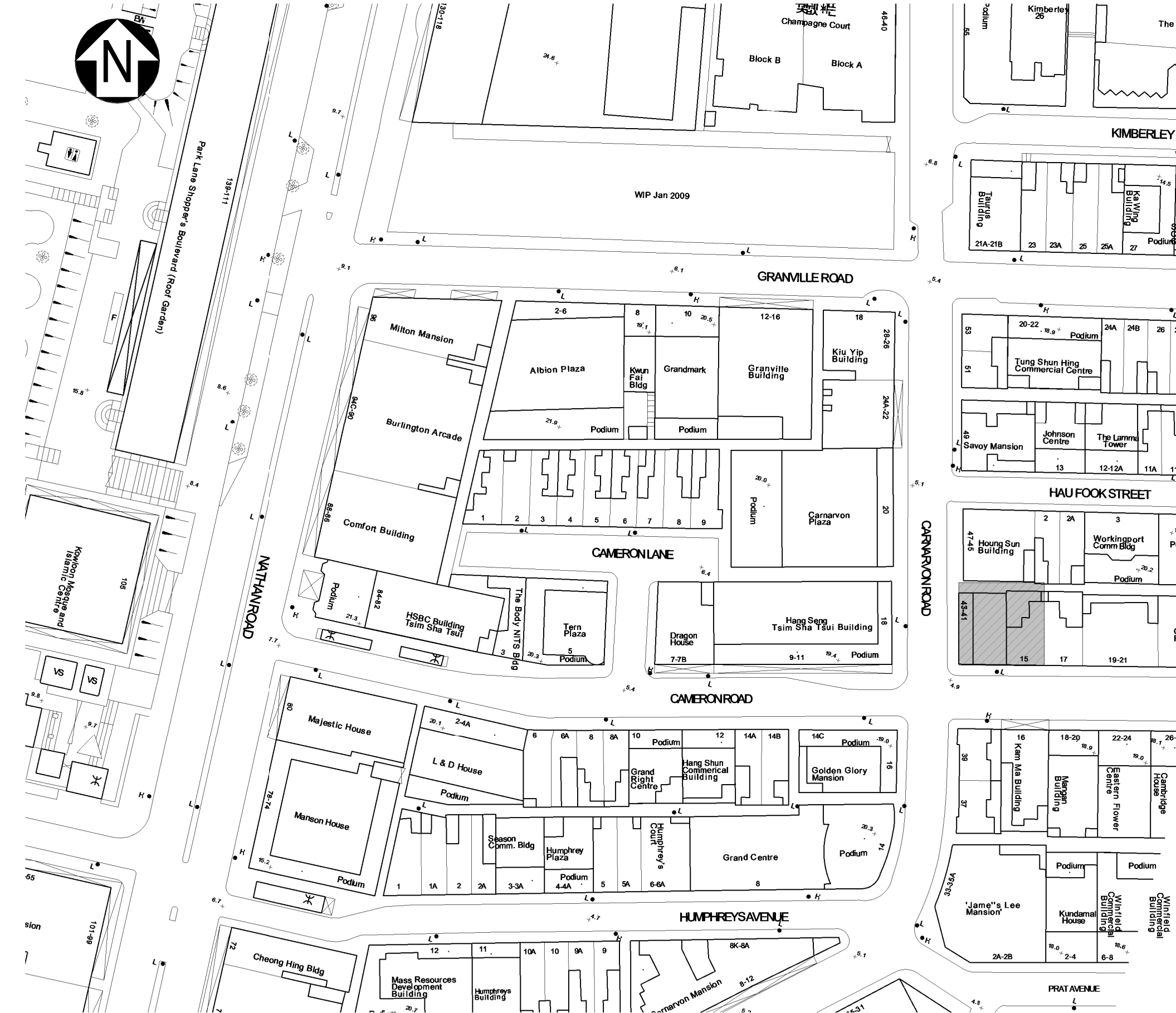
Q.F.	OVERFLOW PIPE	F/A	FROM ABOVE
V.P.	VENT PIPE	F/B	FROM BELOW
D.O.	DRAIN OUT	T/A	TO ABOVE
G.V.	GATE VALVE		
N.R.V.	NON-RETURN VALVE		
LJSC	LOOSE JUMPER TYPE STOPCOCK	L/L	LOW LEVEL
P.R.V.	PRESSURE REDUCING VALVE	U/S	UNDER SLAB
AAV	AUTOMATIC AIR VENTILATION	S.C.	STOP COCK

DRAWING LIST WS

DRAWING NUMBER	DRAWING TITLE	REVISION
PL001	LEGENDS, ABBREVIATION AND GENERAL NOTES	0
PL100	SCHEMATIC	0
PL101	PLUMBING LAYOUT PLAN AT LEVEL GF, L01, L02, L03	0
PL102	PLUMBING LAYOUT PLAN AT LEVEL L04-L15, RF, URF, TRF	0
PL400	ARRANGMENT OF WATER METER CABINET AT LEVEL GF & RF	0
PL401	PLUMBING PUMP SERVICES AT L01	0

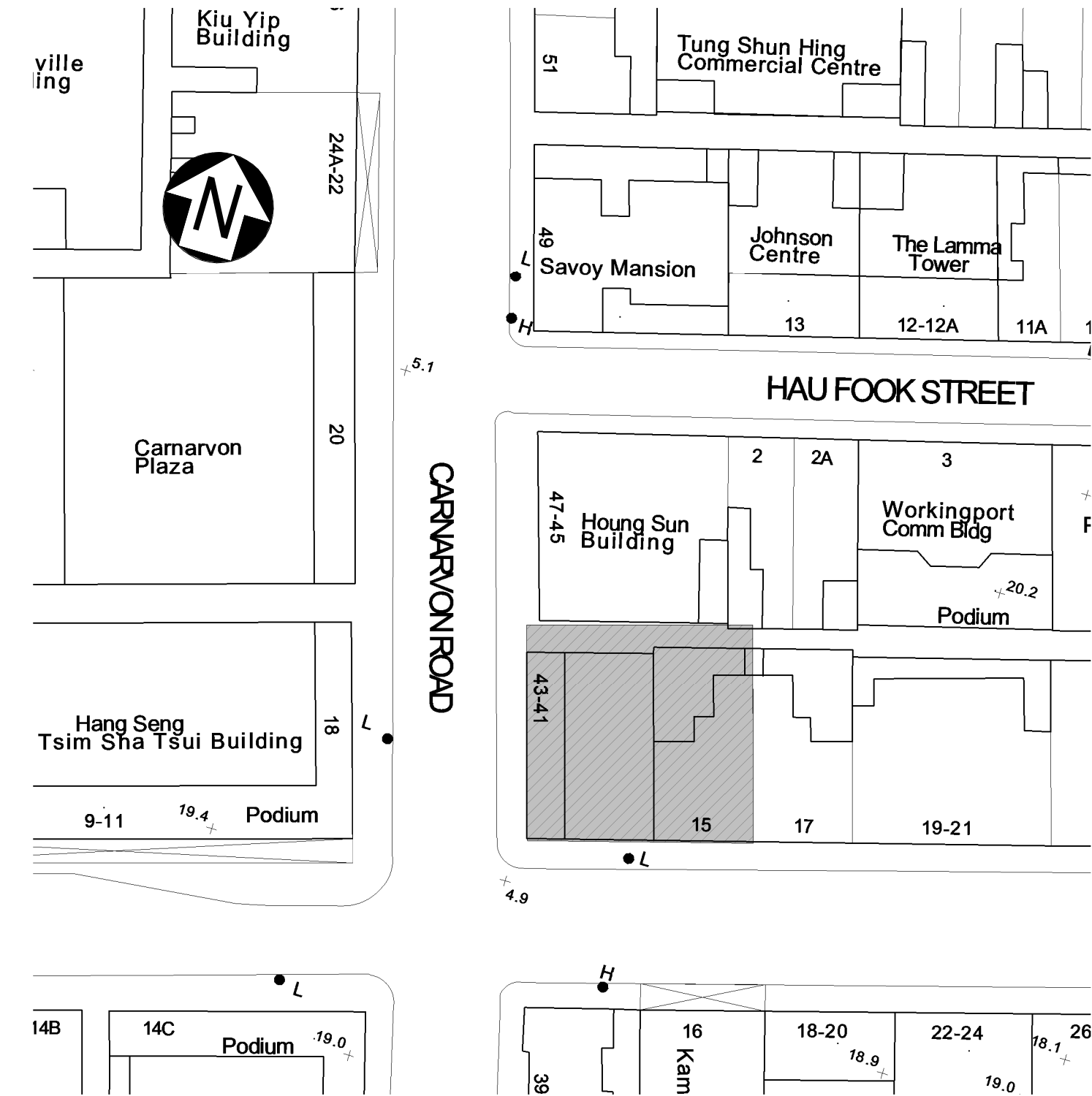
LEGEND

	POTABLE WATER SUPPLY PIPE (P.W.P.)		INSTANTANEOUS TYPE ELECTRIC UNDERSINK WATER HEATER (KW)
	FLUSHING WATER SUPPLY PIPE (FL.W.P.)		STOP COCK
	CLEANSING WATER SUPPLY PIPE (CL.W.P.)		GATE VALVE
	IRRIGATION WATER SUPPLY PIPE (I.R.W.P.)		NON-RETURN VALVE / CHECK VALVE
	POLYETHYLENE DRIPLINE (IRRIGATION SYSTEM)		FLEXIBLE CONNECTOR
	FIRE SERVICES WATER SUPPLY PIPE (FS.W.P.)		PRESSURE GAUGE WITH COCK
	WATER CLOSET WITH FLUSHING CISTERN		Y-TYPE STRAINER
	URINAL		CHECK METER POSITION
	WASH BASIN		WATER METER (WSD)
	SINK		PUMP SET
	CLEANERS SINK/ MOK		2-WAY MOTORIZED ON-OFF VALVE, ELECTRICALLY OPERATED C/W DDC CONTROL
	WATER DISPENSER		FLOW METER
	WATER TAP		LOOSE JUMPER TYPE STOPCOCK
	LOCKABLE WATER TAP FOR CLEANSING		AUTOMATIC AIR RELIEF VALVE C/W Ø20 ISOLATION GATE VALVE
	LOCKABLE WATER POINT FOR PLANTER WITH ANTI-VACUUM VALVE AT HIGHEST POINT AND TO BE SITED WITH ITS OUTLET AT LEAST 1m ABOVE GROUND/SOIL LEVEL. LOCKABLE HOSE REEL BOX TO BE PROVIDED ASIDE.		DOUBLE CHECK VALVE
	BALL VALVE		RAIN SENSOR
	AUTOMATIC FLOATING SWITCH		
	LEVEL SWITCH		





LOCATION PLAN

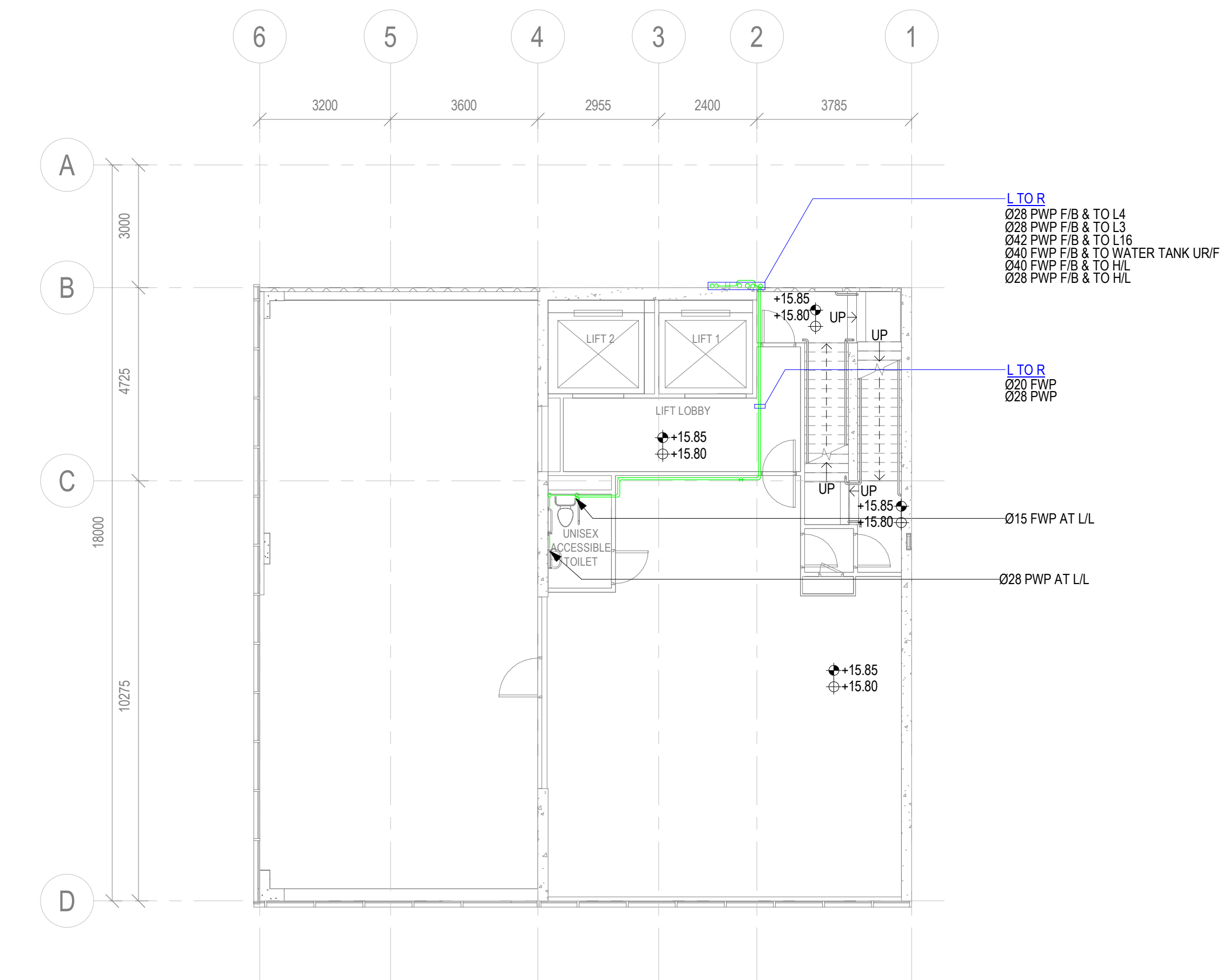
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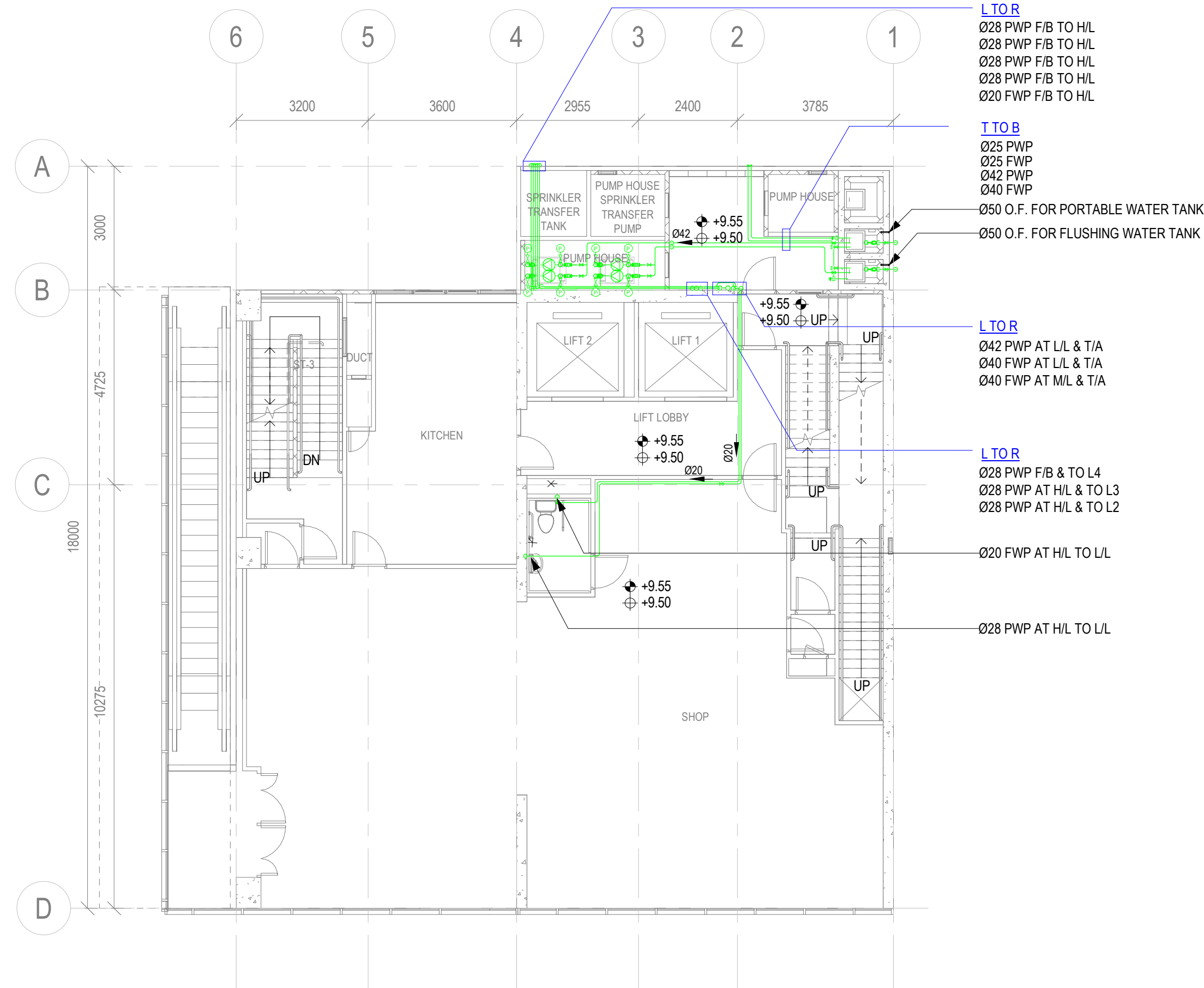
SITE PLAN

1:500

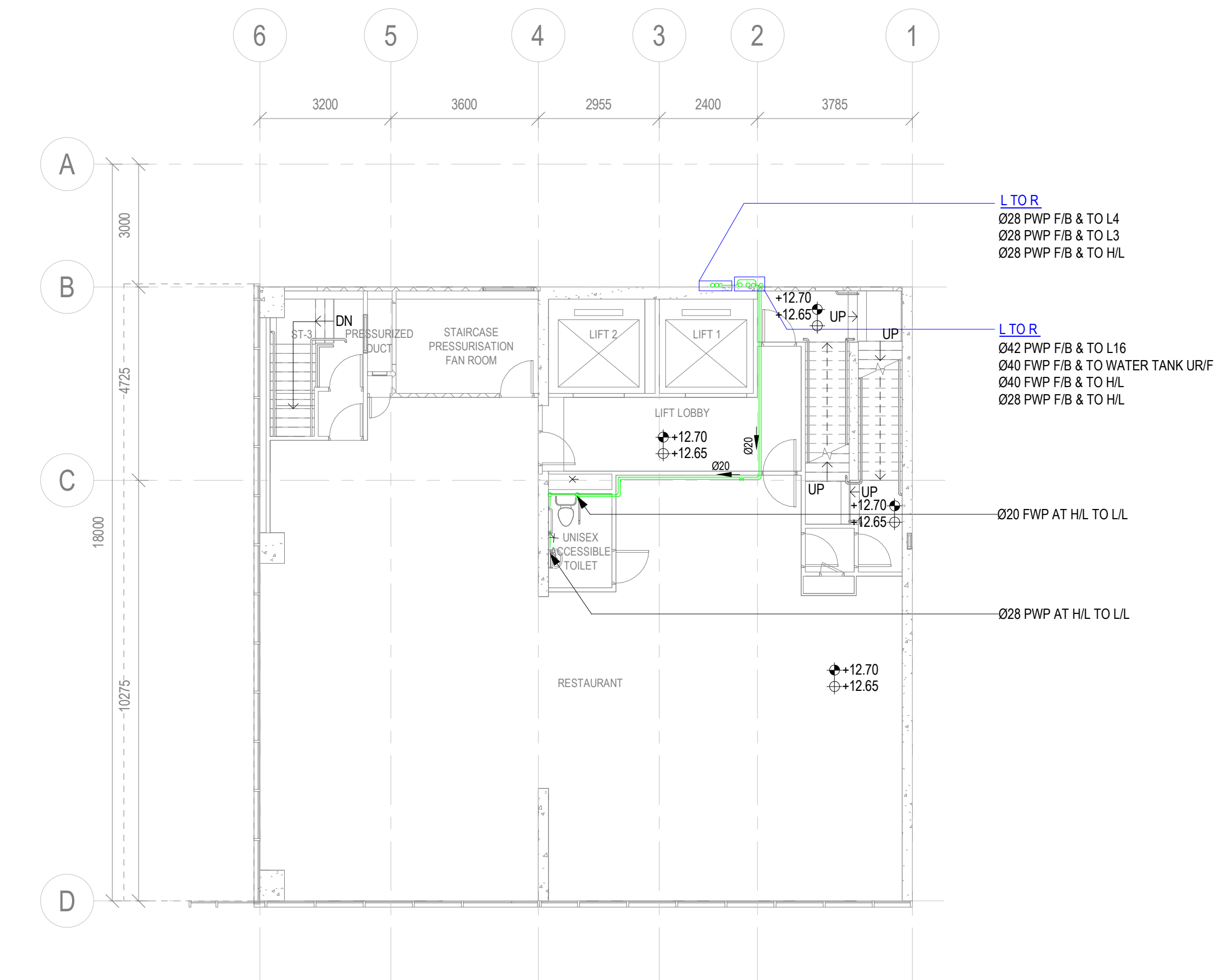
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08-03-2021	
REV	DESCRIPTION
	NAME AND DESIGNATION
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DRAWN	BIM MODELLER
DD/MM/YYYY	
PROJECT	
CIC SAMPLE PROJECT	
DRAWING TITLE	
LEGENDS, ABBREVIATION AND GENERAL NOTES	
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PURPOSE OF ISSUE	PLANNING SUBMISSION
SCALE	As indicated A1
DRAWING NO.	PXXXXX/PL001
REV	0



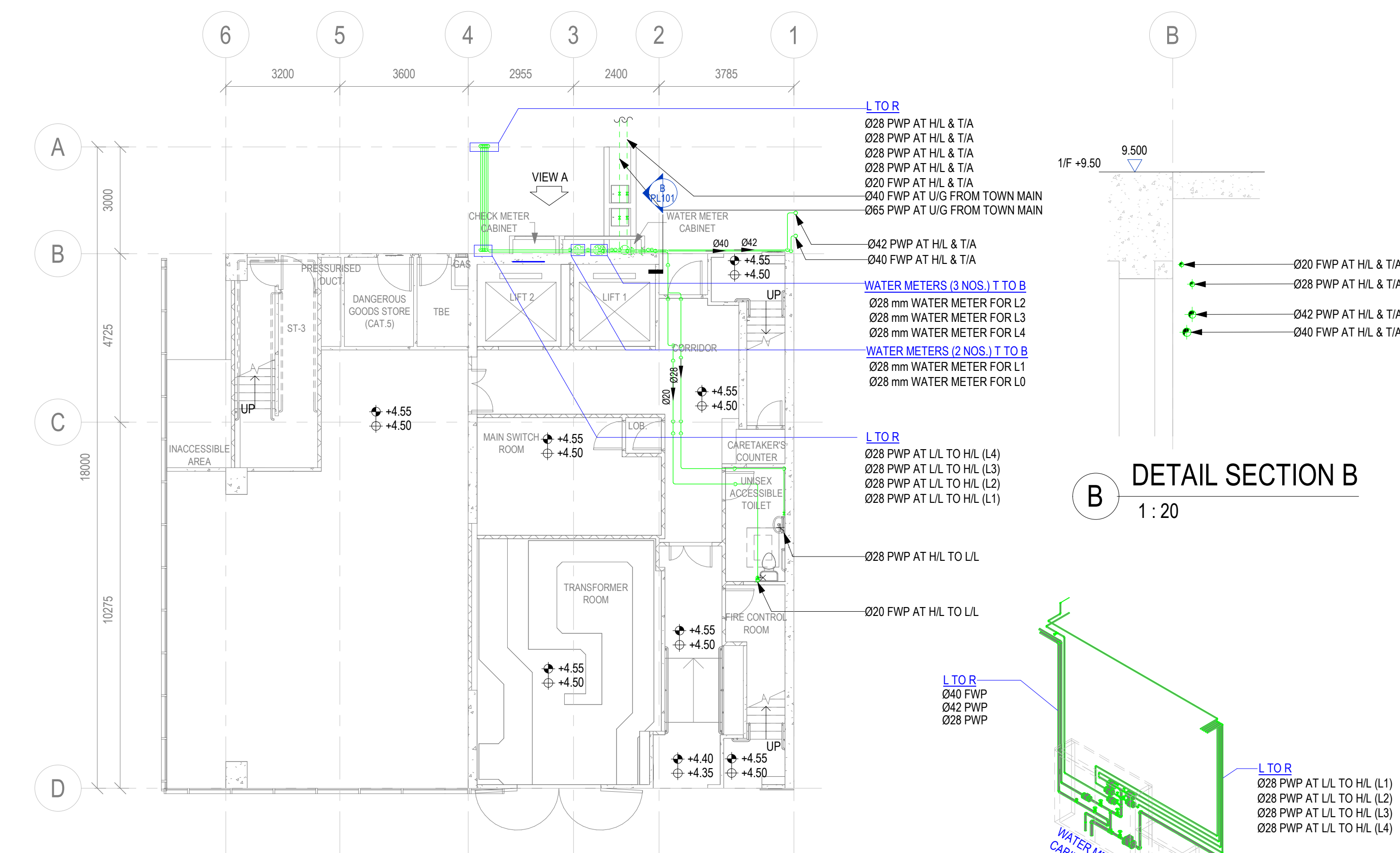
4 L03 PLAN
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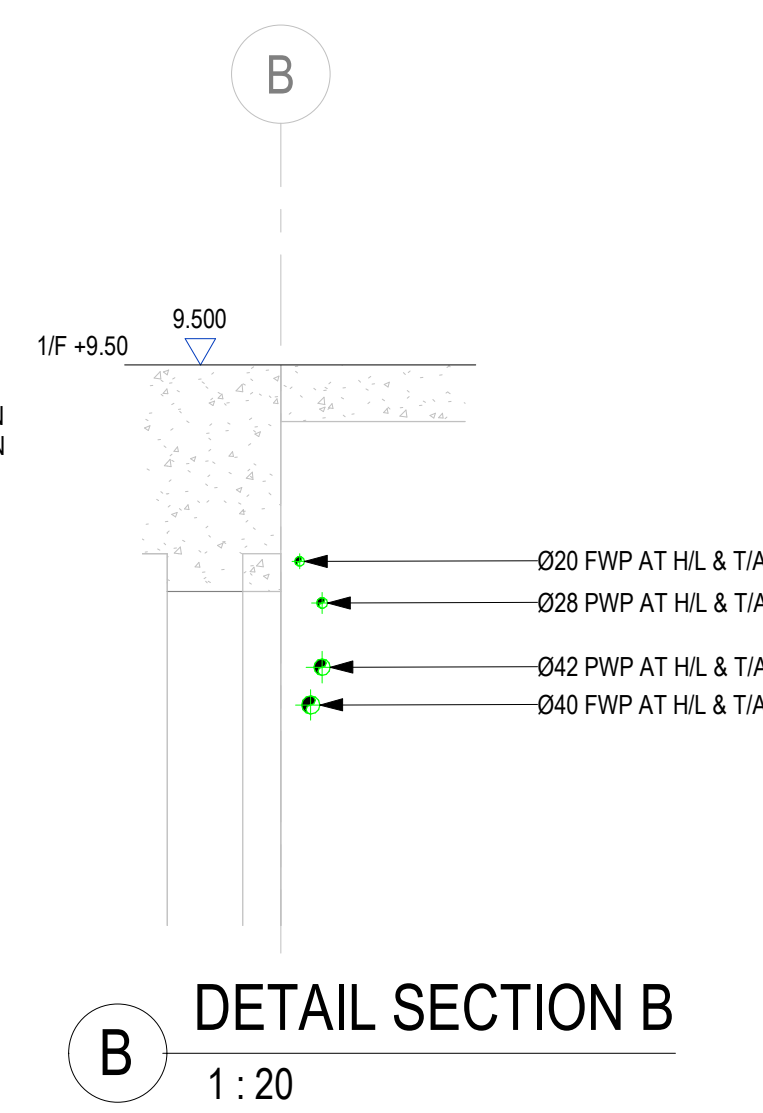
2 L01 PLAN
1: 100



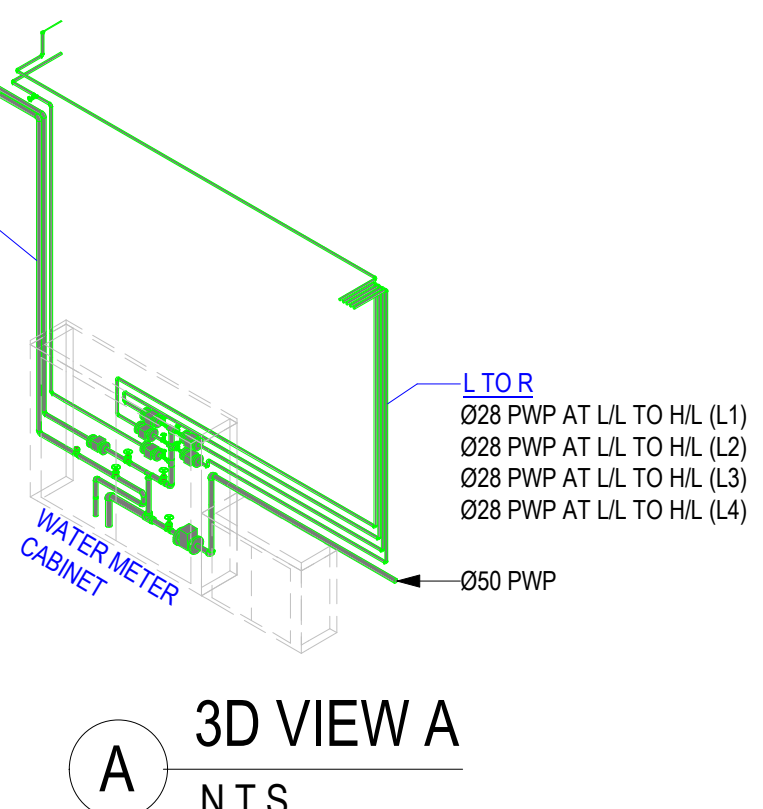
3 L02 PLAN
1: 100



1 GF PLAN
1: 100

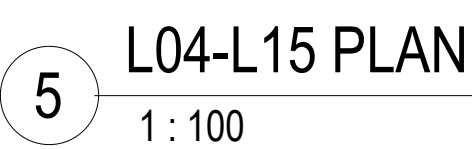


B DETAIL SECTION B
1: 20

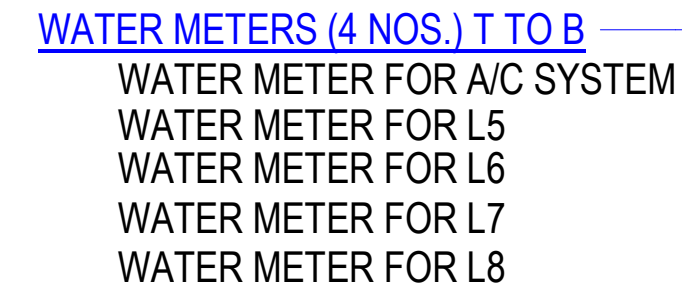


A 3D VIEW A
N.T.S

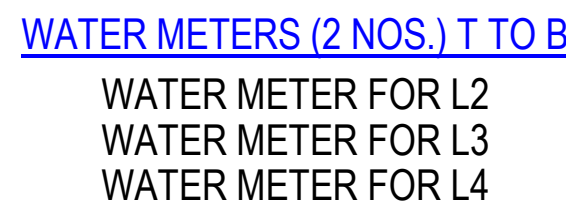
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DESIGNED	DESIGNER	DD/MM/YYYY
DRAWN	BIM MODELLER	DD/MM/YYYY
PROJECT		
CIC SAMPLE PROJECT		
DRAWING TITLE		
PLUMBING LAYOUT PLAN AT LEVEL GF, L01, L02, L03		
PROJECT NUMBER PXXXXX		
PURPOSE OF ISSUE PLANNING SUBMISSION		
SCALE As indicated A1		
DRAWING NO. PXXXXX/PL101		
REV 0		



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FILENAME:



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ENT LOGO

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CONSULTANT LOGO

 CONSTRUCTION
INDUSTRY COUNCIL
建造業議會

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AUTHORISATION

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B - REVIEWED & AUTHORISED WITH COMMENTS

	C - DO NOT USE
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1ST SUBMISSION	08-03-2021
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DESCRIPTION	DATE
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NAME AND DESIGNATION	DATE
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APPROVED	APPROVER	DD/MM/YYYY
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CHECKED	CHECKER	DD/MM/YYYY
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DESIGNED	DESIGNED	DD/MM/0000
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RAWN BIM MODELLER DD/MM/YYYY

SUBJECT

CIC SAMPLE PROJECT

AWING TITLE

ARRANGMENT OF WATER METER CABINET AT LEVEL GF & RF

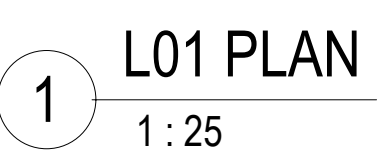
PROJECT NUMBER

PLANNING SUBMISSION

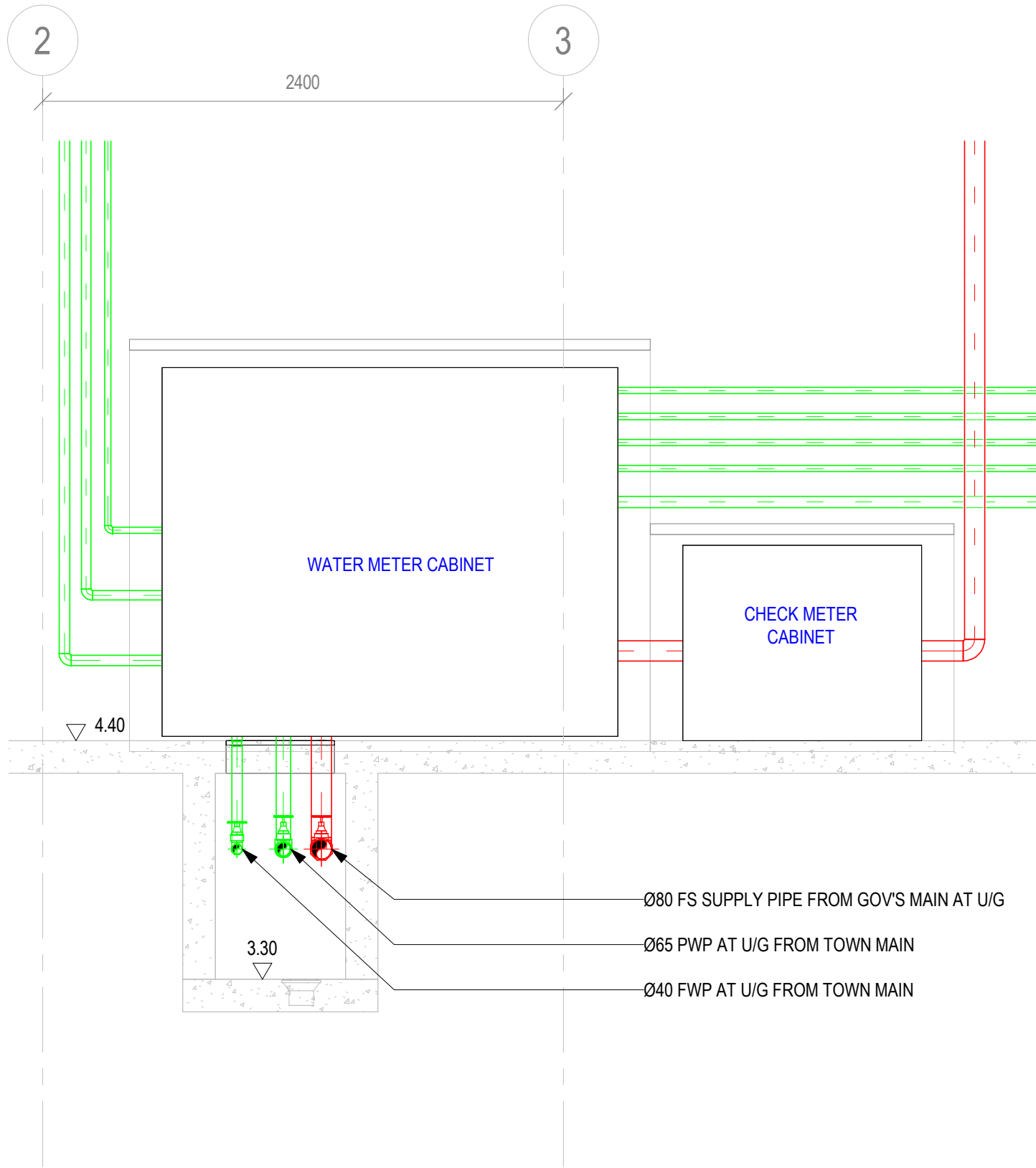
1 05 A4

AWING NO	REV
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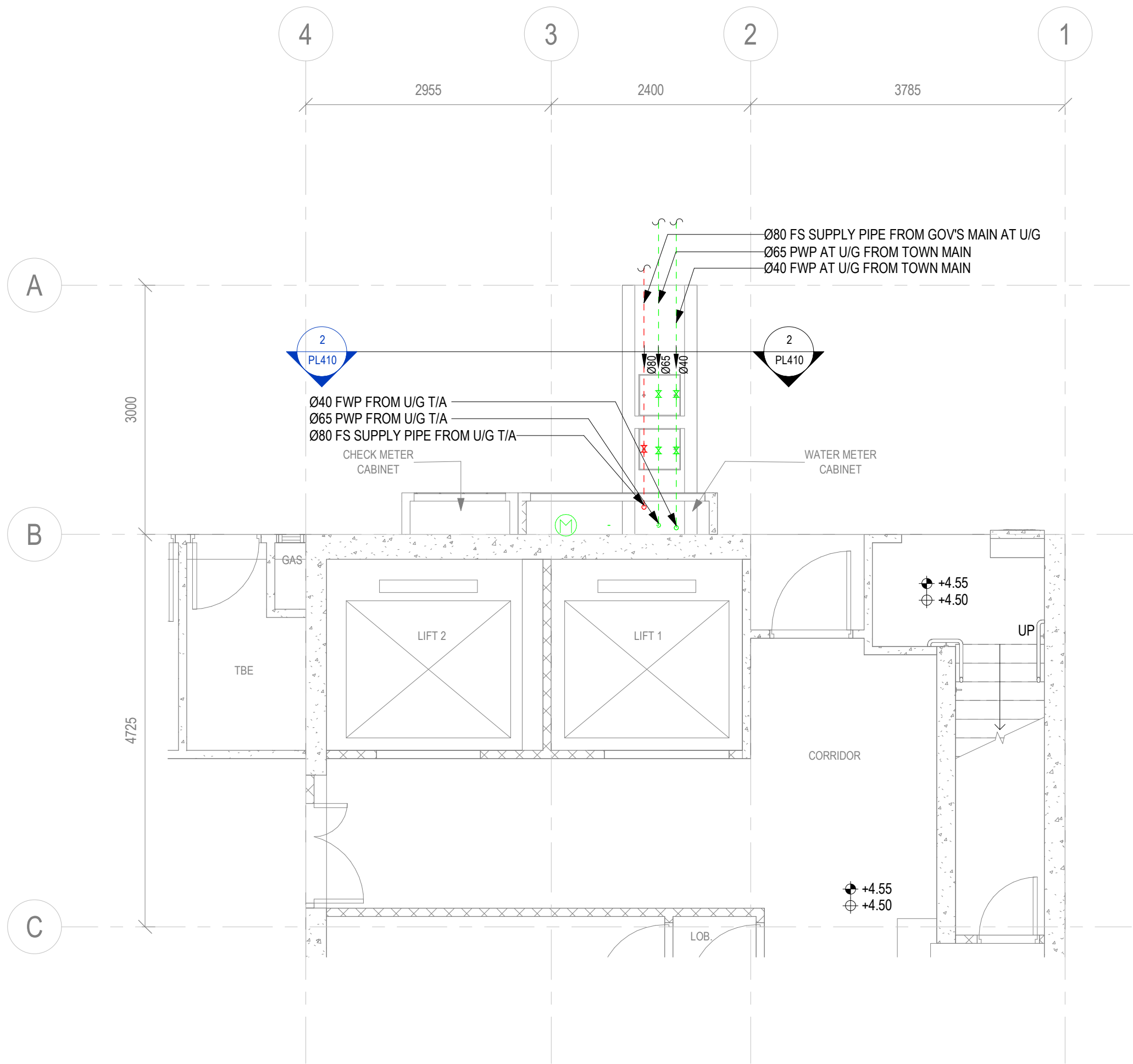
BYXXX/BL 100	0
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PLOT ORV:	
MODELNAME:	11/11/2021 5:30:29 pm
FILENAME:	



2 SECTION 2-2_WATER METER CABINET
1 : 25



1 GF PLAN
1 : 50

B.D.REFERENCE

F.S.D.REFERENCE

W.W.O.REFERENCE

DO NOT SCALE DRAWINGS. ALL DIMENSIONS SHALL BE VERIFIED ON SITE.

NOTE

This is a simulated project aiming to include as many different MEP systems and provisions as possible within one sample building project so that MEP drawings can be produced to illustrate the various drawing requirements and techniques.

It shall be noted that professional MEP designs complying to prevailing regulations or design criteria are NOT the purpose of this drawing set and thus the provisions illustrated may appear to be over provided or unreasonably located. Please do not take the system designs as reference.

Blue colour stands for "Not directly generated by BIM system but by manual input"

QR Code on drawing is an innovative idea to bridge between 2D drawings and 3D BIM model/2D BIM presentations when a Cloud Platform such as CDE is available.

CLIENT LOGO

CONSULTANT LOGO

DO NOT SCALE DRAWINGS. ALL DIMENSIONS SHALL BE VERIFIED ON SITE.

APPOINTING PARTY / CLIENT REVIEW & ACCEPT

T - ACCEPTED (TIME)

A - REVIEWED & ACCEPTED

B - REVIEWED & ACCEPTED WITH COMMENTS

C - DO NOT USE

DATE

ID

LEAD CONSULTANT / LEAD CONTRACTOR REVIEW & AUTHORISATION

A - REVIEWED & AUTHORISED

B - REVIEWED & AUTHORISED WITH COMMENTS

C - DO NOT USE

DATE

ID

0

1ST SUBMISSION

08-03-2021

REV

DESCRIPTION

DATE

APPROVED

APPROVER

DD/MM/YYYY

CHECKED

CHECKER

DD/MM/YYYY

DESIGNED

DESIGNER

DD/MM/YYYY

DRAWN

BIM MODELLER

DD/MM/YYYY

PROJECT

CIC SAMPLE PROJECT

DRAWING TITLE

UNDERGROUND WATER SUPPLY LAYOUT AT LEVEL GF

PROJECT NUMBER

PXXXXX

PURPOSE OF ISSUE

PLANNING SUBMISSION

SCALE


As indicated A1

DRAWING NO.

PXXXXX/PL410

REV

0



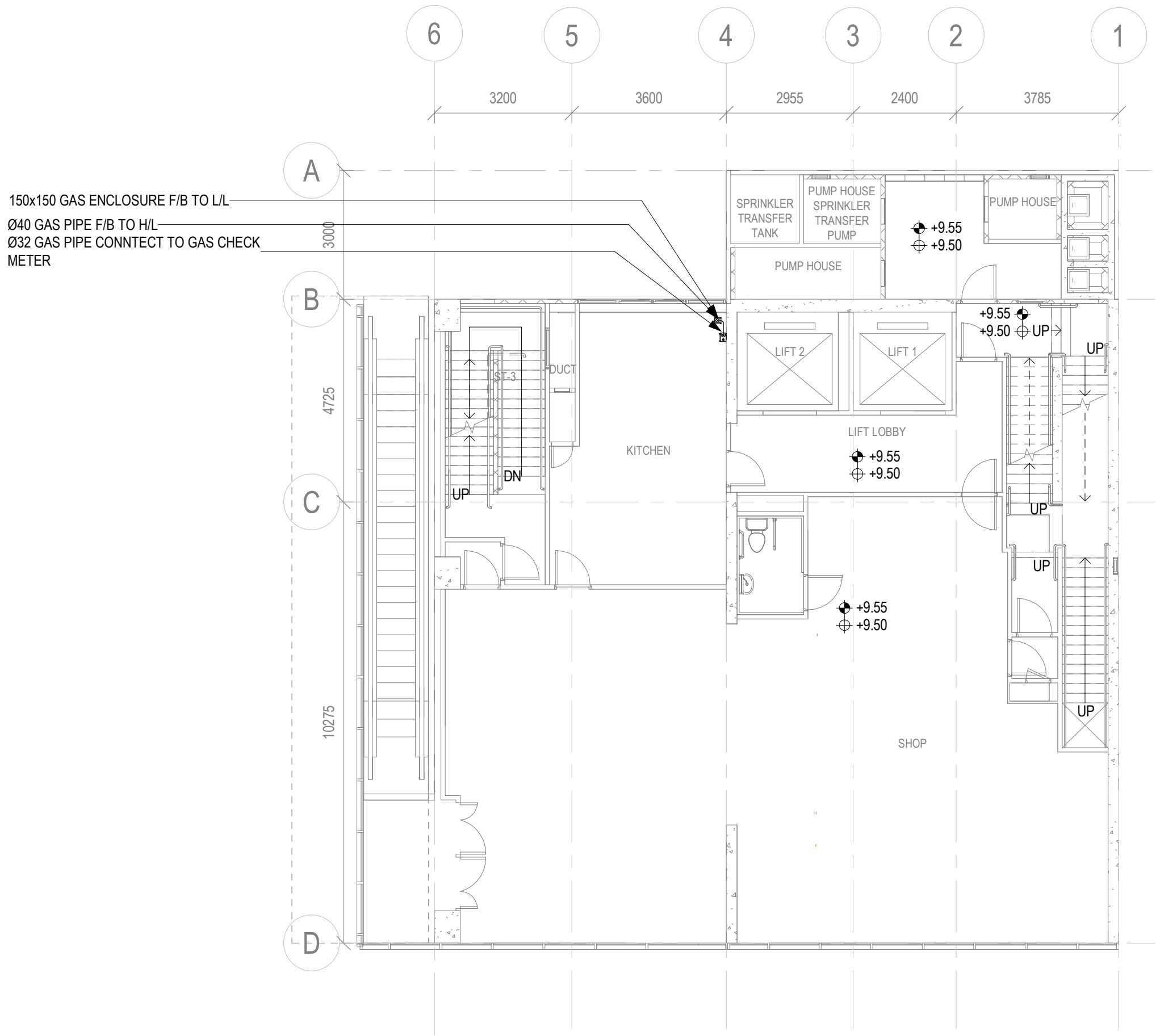
PLOT DRV:

11/11/2021 6:30:33 pm

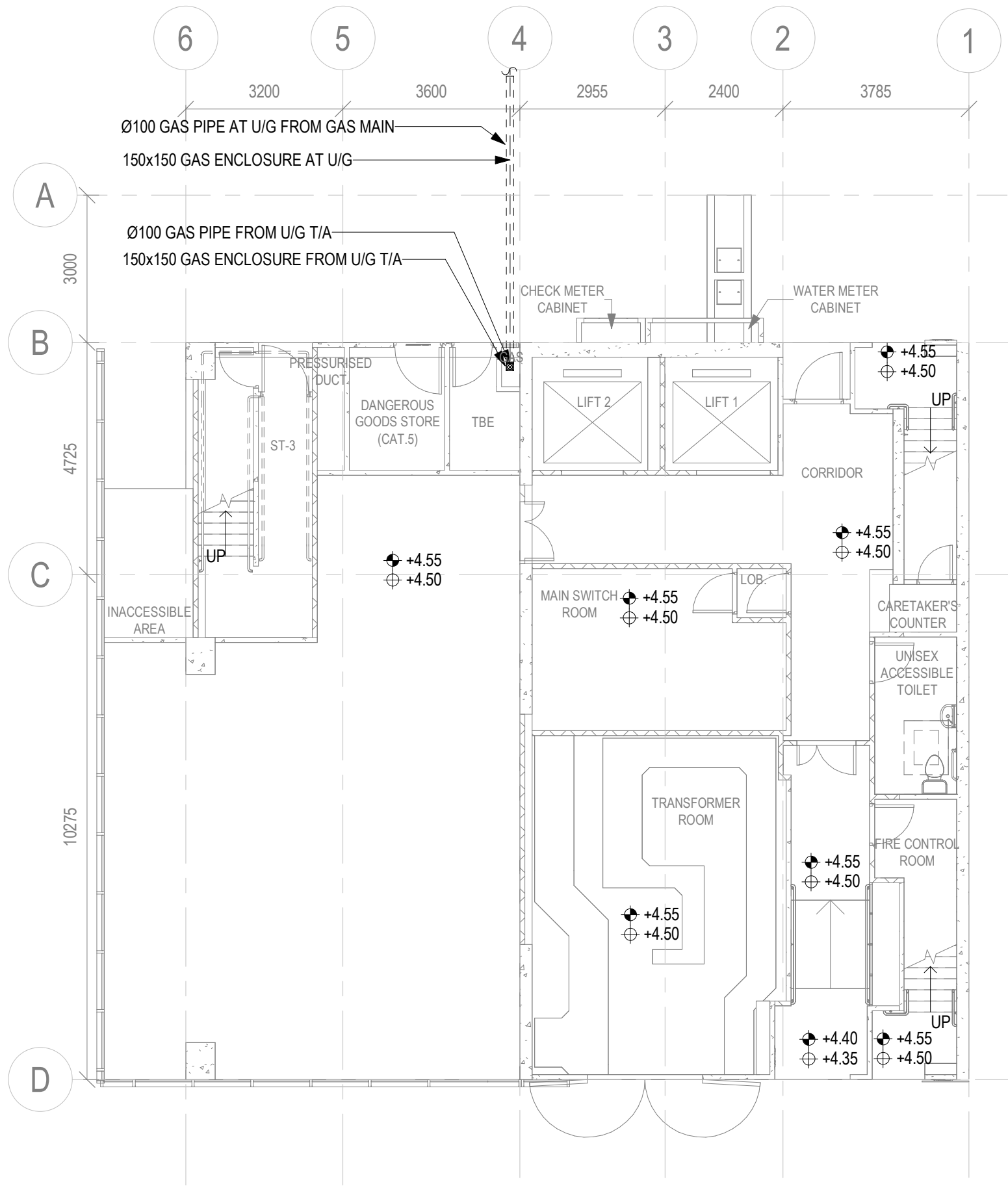
PRINTED BY:

MODELNAME:

FILENAME:



2 L01 PLAN
1 : 100



1 GF PLAN
1 : 100

B.D.REFERENCE

F.S.D.REFERENCE

W.W.O.REFERENCE

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CLIENT LOGO

CONSTRUCTION INDUSTRY COUNCIL
建造業議會

CONSULTANT LOGO

CONSTRUCTION INDUSTRY COUNCIL
建造業議會

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APPOINTING PARTY / CLIENT REVIEW & ACCEPT

T - ACCEPTED (TIME)

A - REVIEWED & ACCEPTED

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DATE

ID

LEAD CONSULTANT / LEAD CONTRACTOR REVIEW & AUTHORISATION

A - REVIEWED & AUTHORISED

B - REVIEWED & AUTHORISED WITH COMMENTS

C - DO NOT USE

DATE

ID

REV	DESCRIPTION	DATE
	NAME AND DESIGNATION	DATE
APPROVED	APPROVER	DD/MM/YYYY
CHECKED	CHECKER	DD/MM/YYYY
DESIGNED	DESIGNER	DD/MM/YYYY
DRAWN	BIM MODELLER	DD/MM/YYYY

PROJECT

CIC SAMPLE PROJECT

DRAWING TITLE

TOWN GAS LAYOUT

PROJECT NUMBER

PXXXXX

PURPOSE OF ISSUE

PLANNING SUBMISSION

SCALE

1 : 100 A1

DRAWING NO.

PXXXXX/TG201

REV