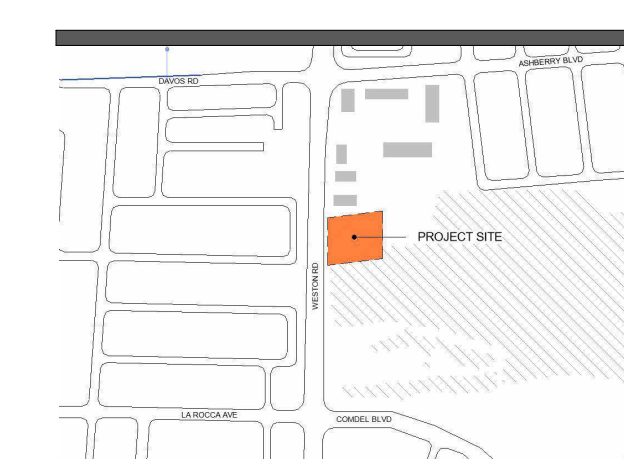


NO.	ISSUED FOR	DATE
7	SITE PLAN SUBMISSION 1	2022-05-31
10	SPA RE-SUBMISSION	2022-08-30
17	SPA - REVISION	2023-08-30
18	ISSUED FOR PERMIT	2023-09-15
19	ISSUED FOR RFPQ	2023-10-19
24	ISSUED FOR CLASS A	2024-02-16
26	T24-253 - IFT	2024-04-15



FILE NO. SP.22.V.0191

CITY OF VAUGHAN FIRE STATION 7-12

9511 WESTON ROAD, VAUGHAN



THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF THE WORK. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT.

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PROFESSIONAL SEAL

EXTERIOR & INTERIOR ASSEMBLIES

ORIENTATION

DATE	2021-11-24
SCALE	1 : 20
DRAWN BY	SRL
DWG STATUS	TENDER
PROJECT NO.	2104
DRAWING NO.	A0.2
REVISION	26

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1 GENERAL NOTES - WALL ASSEMBLIES

A700 GENERAL NOTES - WALL ASSEMBLIES

EXTERIOR WALL ASSEMBLIES.

- THE SPECIFICATIONS, INSTALLATION, AND PERFORMANCE OF AIR BARRIER SYSTEMS AND VAPOUR BARRIERS MUST MEET OR EXCEED DIV. B PART 5 OF THE ONTARIO BUILDING CODE.
- THE REQUIREMENTS FOR AN AIR BARRIER AND A VAPOUR BARRIER ARE INTENDED TO BE PROVIDED AS CONTINUOUS PLANES WITHIN THE BUILDING ENVELOPE. ENSURE CONTINUITY OF AIR AND VAPOUR MEMBRANES BETWEEN COMPONENTS, TO ADJACENT CONSTRUCTION AND AT ALL PENETRATIONS TO PREVENT OR RETARD PASSAGE OF MOISTURE LADEN AIR AND/OR THE DIFFUSION OF WATER VAPOUR.
- EXTERIOR ASSEMBLIES NOTING STUD FRAMING SHALL BE CONSTRUCTED USING WIND-LOAD BEARING FRAMING DESIGNED TO CARRY REQUIRED LATERAL LOADS. PROVIDE ENGINEERED SHOP DRAWING PRIOR TO COMMENCEMENT OF WORK.

INTERIOR WALL ASSEMBLIES.

LOAD BEARING PARTITIONS (INTERIOR)

WHERE A PARTITION IS A LOAD BEARING WALL, REFER TO THE STRUCTURAL DRAWINGS FOR DESIGN REQUIREMENTS. THE CONTRACTOR SHALL NOTIFY THE CONSULTANT OF ANY DISCREPANCIES BETWEEN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS AND SPECIFICATIONS PRIOR TO THE COMMENCEMENT OF WORK.

STEEL STUD FRAMED PARTITIONS (INTERIOR)

- ALL PARTITIONS ARE TO UNDERSIDE OF DECK UNLESS OTHERWISE NOTED.
- PROVIDE DEFLECTION DETAIL AT TOP OF ALL WALLS THAT ABUT UNDERSIDE OF DECK OR STRUCTURE. SEE ALSO TOP OF WALL DETAILS AS INDICATED.
- WHERE SOUND ATTENUATION BATTS ARE CALLED FOR ON THE WALL TYPE, SEAL PERIMETER OF WALLS AND AROUND PENETRATIONS THROUGH WALLS WITH ACOUSTIC SEALANT. APPLY CONTINUOUS ACOUSTIC SEALANT TO BOTH SIDES OF TRACK AT THE JUNCTIONS WITH FLOORS AND ROOF DECKS, AND AROUND PENETRATIONS TO PARTITIONS. RECESSED OUTLETS ARE TO BE STAGGERED SO THAT ONLY ONE OUTLET IS INSTALLED BETWEEN TWO STUDS.
- DO NOT FASTEN METAL STUDS TO CURTAIN WALL MULLIONS OR TIE BAR GRIDS.
- WHERE INTERIOR DOORS ARE CLOSE TO AN INSIDE CORNER, PROVIDE MIN. CLEARANCE FROM DOOR JAMB TO ADJACENT WALL AS INDICATED ON DETAIL TITLED 'FRAME TYPES'.

MASONRY PARTITIONS (INTERIOR)

- HEIGHT OF CONCRETE MASONRY UNIT WALLS TO BE UNDERSIDE OF FLOOR/ROOF DECK ABOVE UNLESS OTHERWISE NOTED.
- WHERE CONCRETE UNIT MASONRY WALLS ABUT REINFORCED CONCRETE WALLS AND PIERS, RAKE BACK MORTAR JOINT WHERE THE TWO MATERIALS MEET AND PROVIDE CONTINUOUS SEALANT.

FIRE RATED PARTITIONS (INTERIOR)

- FOR WALL ASSEMBLIES THAT BEAR THE NOTE "CONSTRUCT AS FIRE SEPARATION WHERE NOTED", THE ASSEMBLY SHALL BE CONSTRUCTED AS A FIRE SEPARATION AT THE LOCATIONS INDICATED IN THE CONTRACT DRAWINGS.
- AT RECESSED PANEL INSTALLATIONS (E.G. ELECTRICAL PANELS) WITHIN RATED WALLS PROVIDE FOR CONTINUITY OF THE REQUIRED RATING BEHIND THE PANEL. REFER TO THE ONTARIO BUILDING CODE DIVISION B, SECTION 3.1.9.2 FOR REQUIREMENTS FOR COMBUSTIBILITY OF SERVICE PENETRATIONS AND SECTION 3.1.1.2 FOR RATING OF FIREWALLS.
- WHERE FIRE RATED PARTITIONS ABUT NON-RATED PARTITIONS THE FIRE RATED ASSEMBLY SHALL BE CONTINUOUS AND UNINTERRUPTED BY THE ABUTTING WALLS TO MAINTAIN A CONTINUOUS FIRE SEPARATION.
- SEAL PERIMETER OF FIRE RATED WALLS AND AROUND PENETRATIONS THROUGH FIRE RATED WALLS WITH APPROVED FIRESTOP MATERIALS. DO NOT SEAL CLEARANCE SPACES WITHIN FIRE DAMPERS. SEAL ONLY IN STRICT ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.

BLOCKING FOR MILLWORK & SPECIALTIES

- PROVIDE BLOCKING IN PARTITIONS AND WALLS (INTERIOR AND EXTERIOR) FOR THE FOLLOWING:
 - WINDOW FRAMES, MILLWORK, FIXTURES AND FITTINGS, HANDRAILS, GRAB BARS, TACKBOARDS, WHITEBOARDS, MIRRORS, WASHROOM ACCESSORIES AND OTHER ITEMS **AS REQUIRED.**

2 WALL ASSEMBLIES - FOUNDATION

W-F7 R-33.5
INSULATION (WHERE SHOWN) CONTINUOUS TO TOP OF FOOTING
DAMP PROOFING
200 CONCRETE

W F4i R-33.8
INSULATION (WHERE SHOWN) CONTINUOUS TO TOP OF FOOTING
RIGID INSULATION
250 CONCRETE
RIGID INSULATION

W F2i R-34.5
INSULATION (WHERE SHOWN) CONTINUOUS TO TOP OF FOOTING
385 CONCRETE

W F1i R-34.9
INSULATION (WHERE SHOWN) CONTINUOUS TO TOP OF FOOTING
455 CONCRETE

W F4 R-1.4
INSULATION (WHERE SHOWN) CONTINUOUS TO TOP OF FOOTING
250 CONCRETE

W-F8 R-2.1
INSULATION (WHERE SHOWN) CONTINUOUS TO TOP OF FOOTING
385 CONCRETE

3 WALL ASSEMBLIES - EXTERIOR

X1 530MM R-41.8 CI - R20
BRICK MASONRY UNITS
50 AIR SPACE
MINERAL WOOL INSULATION - R20
AIR / VAPOUR BARRIER
3 PLY CLT

X2 530MM R-45.1 CI - R20
BRICK MASONRY UNITS
50 AIR SPACE
MINERAL WOOL INSULATION - R20
AIR / VAPOUR BARRIER
5 PLY CLT
CLEAR EPOXY FINISH, LATEX-BASED, SATIN FINISH

X3 530MM R-35.7 CI - R20
ALUMINIUM PANEL CLADDING - REFER TO AC-1 MOUNTING SYSTEM
MINERAL WOOL INSULATION - R20
AIR / VAPOUR BARRIER
3 PLY CLT
CLEAR EPOXY FINISH, LATEX-BASED, SATIN FINISH

X4 530MM R-44.7 CI - R20
50 AIR SPACE
MINERAL WOOL INSULATION - R20
AIR / VAPOUR BARRIER
5 PLY CLT

X1A 530MM
BRICK MASONRY UNITS
50 AIR SPACE
EXTERIOR SHEATHING
AIR / VAPOUR BARRIER
140 WOOD STUDS @ 400MM
3 PLY CLT
AIR / VAPOUR BARRIER
BRICK LATH AND MORTAR C/W BRICK VENEER TO MATCH MASONRY UNITS

X05 530MM
ALUMINIUM PANEL CLADDING - REFER TO AC-1 MOUNTING SYSTEM C/W VENTILATION 25MM MIN.
MINERAL WOOL INSULATION - R20
CAST IN PLACE CONCRETE

CW1
ALUMINIUM SCREEN
SCHUCCO FWS 50 SI

AC1 38MM
ALUMINIUM PANEL CLADDING SYSTEM MOUNTED TO SUPPORTING WALL ASSEMBLY (REFER TO GENERAL NOTES)

LACBO 160MM
PREFABRICATED LOUVER (ACOUSTIC)
INSULATED BLANK OFF PANEL
UNLESS INDICATED OTHERWISE
ALIGN LOUVER TO EXTERIOR WALL FACE
PROVIDE SUPPLEMENTAL FRAMING TO CONNECT LOUVER TO SUPPORTING WALL ASSEMBLY (TYP.)
* WHERE REQ'D COORDINATE LOCATION(S) OF MECHANICAL OPENINGS THROUGH SUPPORTING WALL ASSEMBLY (TYP.)

5 WALL ASSEMBLIES - INTERIOR

P1 117MM
12.7MM GYPSUM BOARD
38MM x89MM WOOD STUDS @ 400mm o/c MAX.
MINERAL WOOL INSULATION (WIDTH OF STUD)
12.7MM GYPSUM BOARD

P1a 117MM
12.7MM GYPSUM BOARD
89MM X 39MM WOOD STUDS @ 400mm o/c MAX.

P2 163MM
12.7MM GYPSUM BOARD
140MM X 39MM WOOD STUDS @ 400mm o/c MAX.
MINERAL WOOL INSULATION (WIDTH OF STUD)
12.7MM GYPSUM BOARD

P3 143MM FRR: 1.5 HR OBC SB-2
CONSTRUCT TO US OF DECK (UNLESS OTHERWISE INDICATED) (WHERE INDICATED)
12.7MM TYPE 'X' GYPSUM BOARD
12.7MM TYPE 'X' GYPSUM BOARD
92MM METAL STUDS @ 400mm o/c MAX.
MINERAL WOOL INSULATION (WIDTH OF STUD)
12.7MM TYPE 'X' GYPSUM BOARD
12.7MM TYPE 'X' GYPSUM BOARD

P5 123MM
CERAMIC TILE
12MM KERDI BOARD BY SCHLUTER
89MM X 39MM WOOD STUDS @ 400mm o/c MAX.
MINERAL WOOL INSULATION (WIDTH OF STUD)
12.7MM GYPSUM BOARD

P5c 123MM
CERAMIC TILE
25MM WOOD STRAPPING @ 400mm o/c MAX.

P5d 123MM
CERAMIC TILE
TILE BACKER BOARD
92MM METAL STUDS @ 400mm o/c MAX.
MINERAL WOOL INSULATION (WIDTH OF STUD)

P6 77MM
12MM KERDI BOARD BY SCHLUTER
39MM X 39MM WOOD STUDS @ 400mm o/c MAX.

P8 129MM
CERAMIC TILE
12MM KERDI BOARD BY SCHLUTER
89MM X 39MM WOOD STUDS @ 400mm o/c MAX.
MINERAL WOOL INSULATION (WIDTH OF STUD)
12MM KERDI BOARD BY SCHLUTER
CERAMIC TILE

NOTE: WET AREA - TILE AFF TO U/S OF DRYWALL CEILING

IS3 145MM FRR: 1.5 HR
CONSTRUCT TO US OF DECK (UNLESS OTHERWISE INDICATED) (WHERE INDICATED)
INTERIOR SCREEN - FIRE RATED
HM FRAME
FIRE PROTECTION RATED GLASS

3 PLY FRR: 1 HR
CONSTRUCT TO US OF DECK (UNLESS OTHERWISE INDICATED) (WHERE INDICATED)
3 PLY CLT
CLEAR EPOXY FINISH, LATEX BASED, SATIN FINISH

5 PLY FRR: 1.5 HR
CONSTRUCT TO US OF DECK (UNLESS OTHERWISE INDICATED) (WHERE INDICATED)
5 PLY CLT
CLEAR EPOXY FINISH, LATEX BASED, SATIN FINISH

CC1 290MM FRR: 4 HR
CONSTRUCT TO US OF DECK (UNLESS OTHERWISE INDICATED) (WHERE INDICATED)
CAST IN PLACE CONCRETE
EXPOSED FINISH ON BOTH SIDES

7 ROOF ASSEMBLIES

ROOF TYPE: VRA FLAT
* DRAIN TO ROOF DRAINS
GREEN ROOF SEDUM TRAYS.
REFER TO ROOF PLAN DETAILS A4.1

ROOF TYPE: RT-7 FLAT R-66.9 RSI - 6.156
* DRAIN TO ROOF DRAINS
2-ply MODIFIED BITUMEN ROOFING SYSTEM
PROTECTION BOARD
TAPERED INSULATION (AS INDICATED)
POLYISO INSULATION BOARD (MECHANICALLY FASTENED)
VAPOUR BARRIER
GYPSUM BOARD UNDERLAY
5 PLY CLT
CLEAR EPOXY FINISH, LATEX BASED, SATIN, ON ALL EXPOSED CLT SURFACES

ROOF TYPE: RT-20 SLOPED R-65.3 RSI - 8.79
* DRAIN TO GUTTER AND RIVL SYSTEM
STANDING SEAM METAL ROOF
ICE AND WATER SHIELD (ENTIRE ROOF)
DENSDECK SHEATHING
MINERAL WOOL INSULATION
5 PLY CLT
CLEAR EPOXY FINISH, LATEX BASED, SATIN ON ALL EXPOSED CLT SURFACES

ROOF TYPE: RT-8 SLOPED R-30.3 RSI - 6.156
* DRAIN TO GUTTER AND RIVL SYSTEM
2-ply MODIFIED BITUMEN ROOFING SYSTEM
PROTECTION BOARD
POLYISO INSULATION BD (MECHANICALLY FASTENED)
VAPOUR BARRIER
CEMENT BOARD UNDERLAY
METAL DECK
PTD STEEL FRAMING - REFER TO STRUC. DWG'S

6 FLOOR ASSEMBLIES - INTERIOR

FL-1
CONCRETE SLAB ON GRADE - THICKNESS - REFER TO STRUCTURAL
REINFORCING - REFER TO STRUCTURAL
VAPOUR BARRIER
RIGID INSULATION
200 COMPACTED GRAVEL

FL-10
200 CONCRETE - THICKNESS - REFER TO STRUCTURAL
REINFORCING - REFER TO STRUCTURAL
VAPOUR BARRIER
RIGID INSULATION
200 COMPACTED GRAVEL

CLT-2 FRR - 60 min.
CONSTRUCT AS FIRE SEPARATION WHERE NOTED
CLT FLOOR SYSTEM

CLT-1
CLT FLOOR SYSTEM

4 WALL ASSEMBLIES - PARAPET

X20-P1 484MM R-66.8
CONFIRM EXTERIOR FACE OF WALL BELOW TO DETERMINE PARAPET THICKNESS
BRICK MASONRY UNITS
AIR SPACE
MINERAL WOOL INSULATION - R20
140 WOOD STUDS @ 400MM o/c c/w MINERAL WOOL INSULATION
50mm RIGID INSULATION
EXTERIOR SHEATHING
ROOFING MEMBRANE

X20-P2 450MM R-48.2
CONFIRM EXTERIOR FACE OF WALL BELOW TO DETERMINE PARAPET THICKNESS
BRICK MASONRY UNITS
AIR SPACE
MINERAL WOOL INSULATION - R20
AIR / VAPOUR BARRIER
EXTERIOR SHEATHING
50mm RIGID INSULATION
EXTERIOR SHEATHING
ROOFING MEMBRANE

X20-P3 460MM R-51.5
CONFIRM EXTERIOR FACE OF WALL BELOW TO DETERMINE PARAPET THICKNESS
BRICK MASONRY UNITS
AIR SPACE
MINERAL WOOL INSULATION - R20
AIR / VAPOUR BARRIER
EXTERIOR SHEATHING
50mm RIGID INSULATION
EXTERIOR SHEATHING
ROOFING MEMBRANE

8 FLOOR ASSEMBLIES - EXTERIOR

HDA
ASPHALT WEAR COURSE
TACK COAT
ASPHALT BASE COURSE
COMPACTED SUBGRADE
REFER TO DETAIL 2000 - PAV-1 AND GEOTECHNICAL REPORT FOR SUBGRADE COMPOSITION AND DEPTHS

GEN
305 REINFORCED CONCRETE SLAB ON GRADE
REINFORCING
19M EPOXY COATED BARS @300MM T&B E.W.
COMPACTED SUBGRADE

PAV
PERMEABLE PAVERS (MECHANICALLY INSTALLED)
JOINTING MATERIAL CLEAR STONE CHIP ASTA 9
200 MM OF 19 CLEAR OPEN GRITTED STONE
COMPACTED C/W STABILIZATION GRID AS PER MANUFACTURER
COMPACTED SUBGRADE
REFER TO DETAIL 2000 - PAV-1 AND GEOTECHNICAL REPORT FOR SUBGRADE COMPOSITION AND DEPTHS

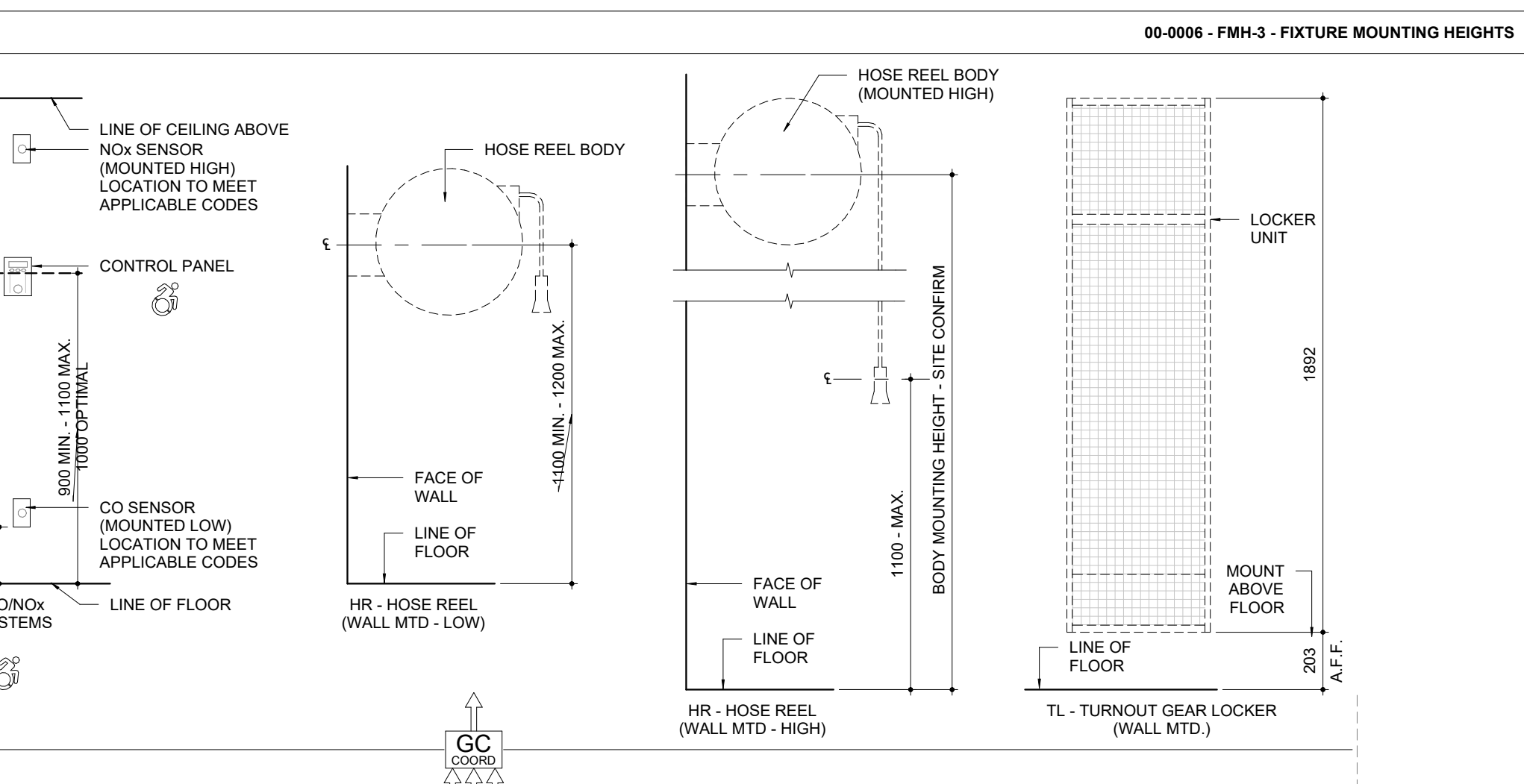
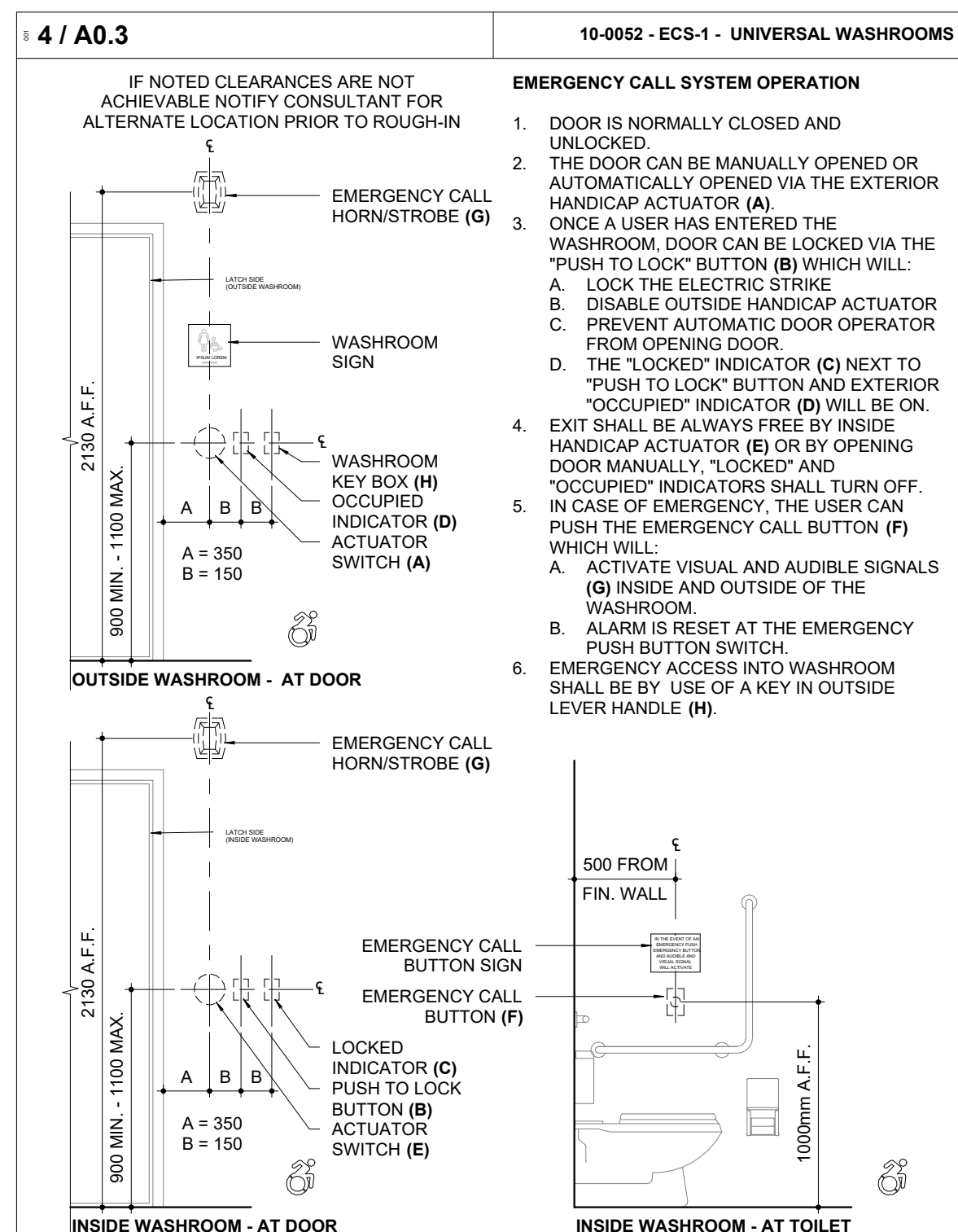
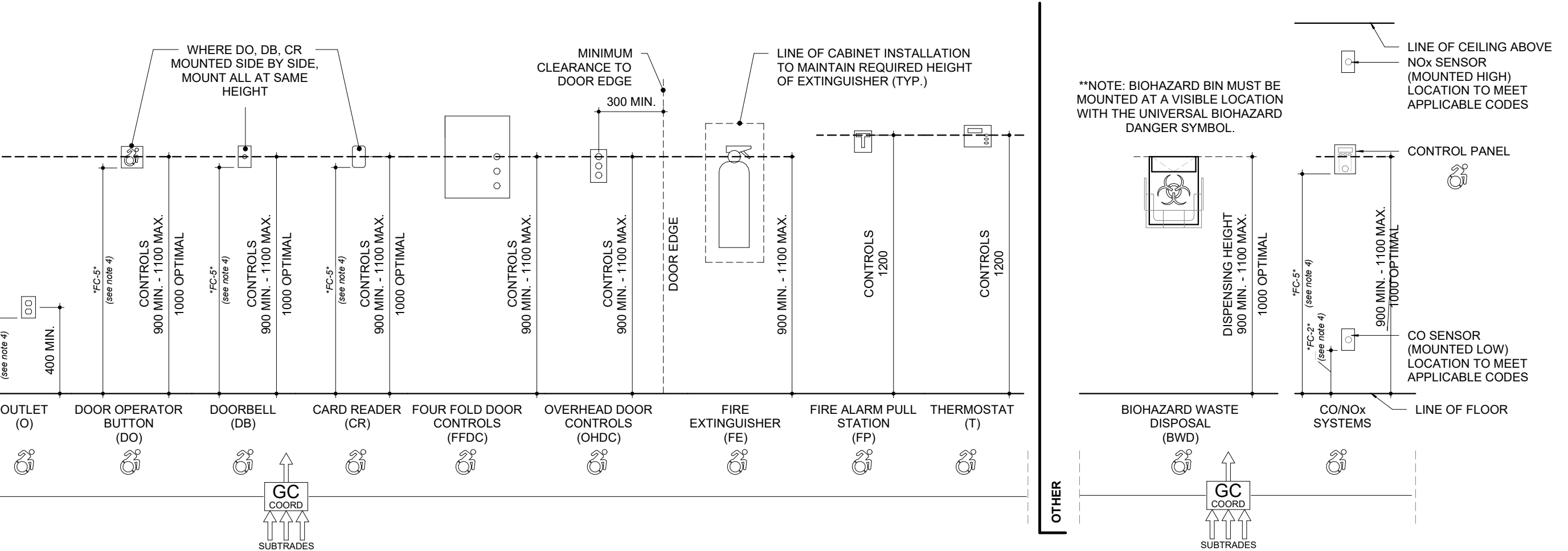
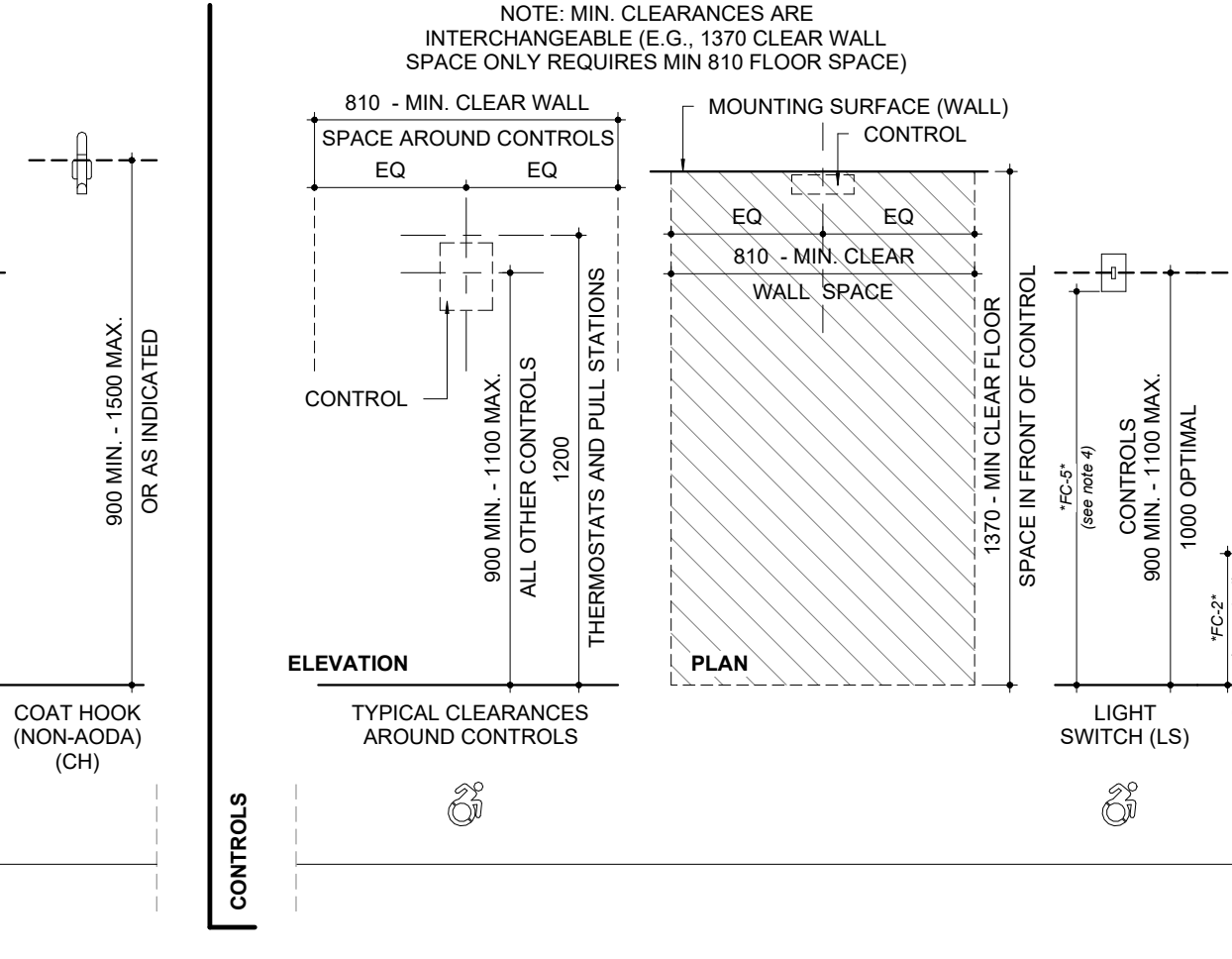
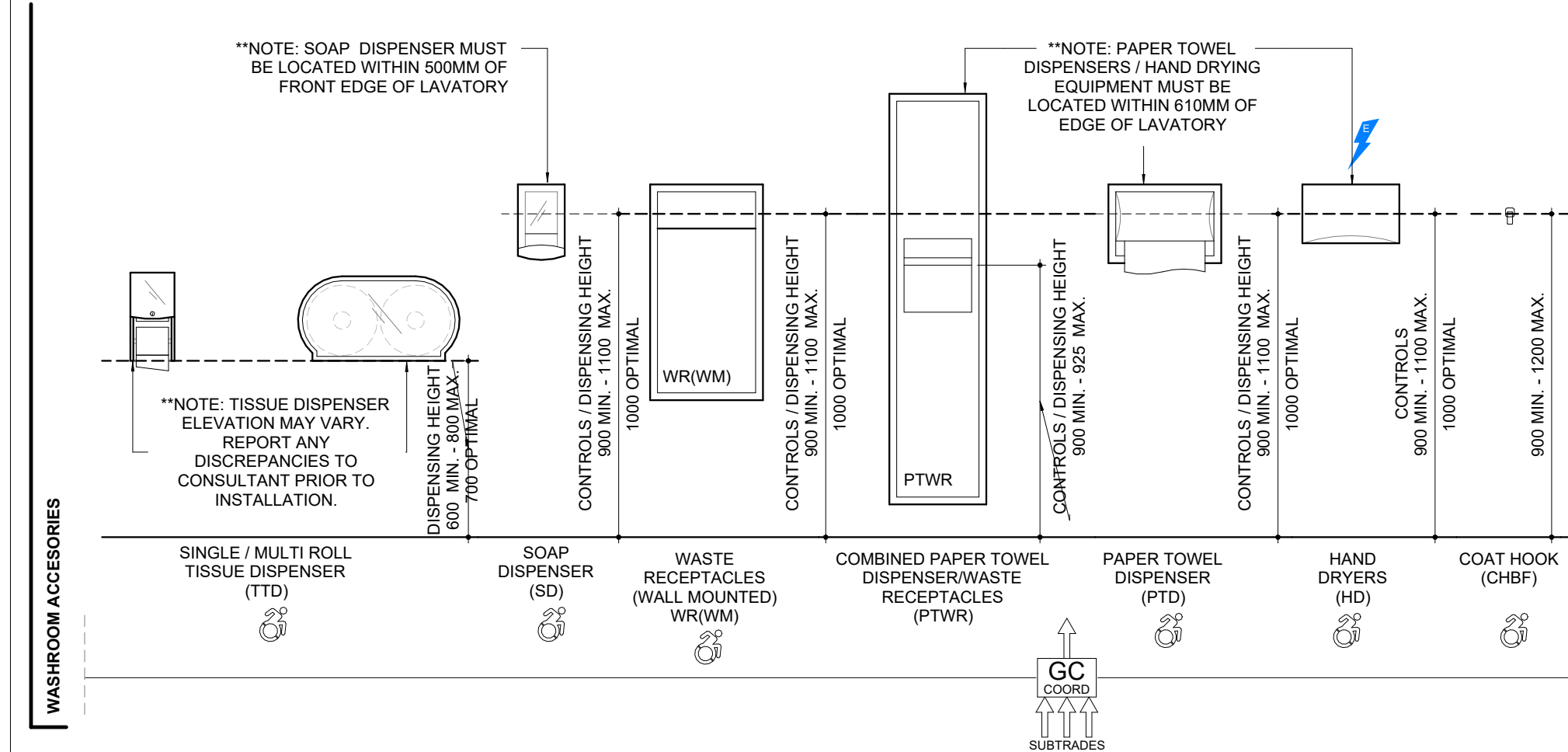
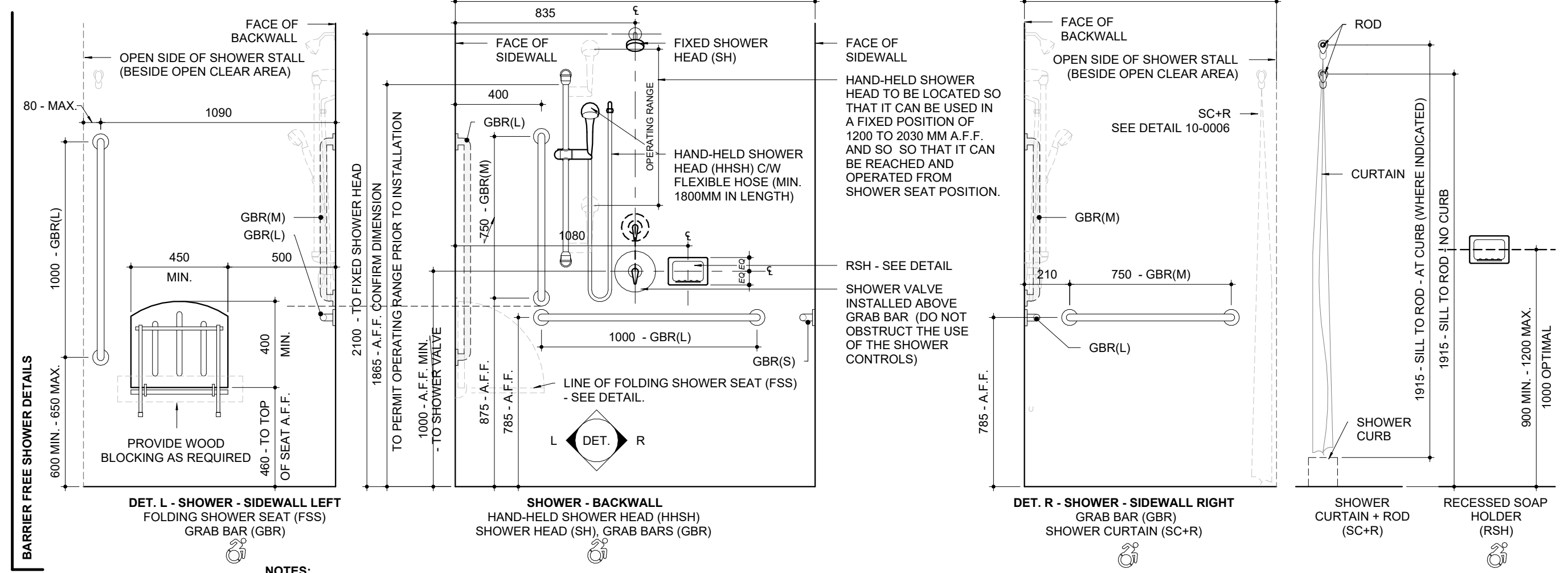
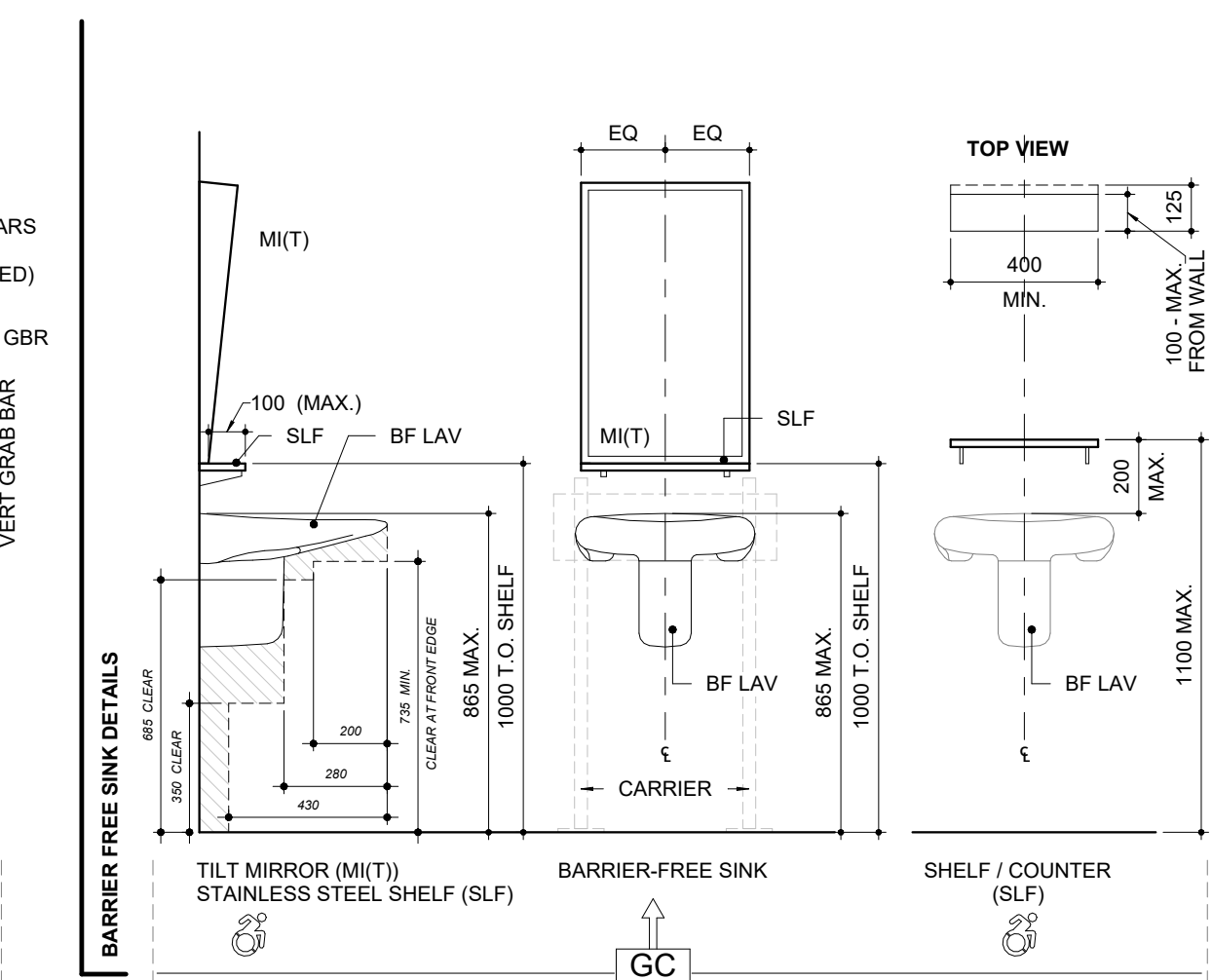
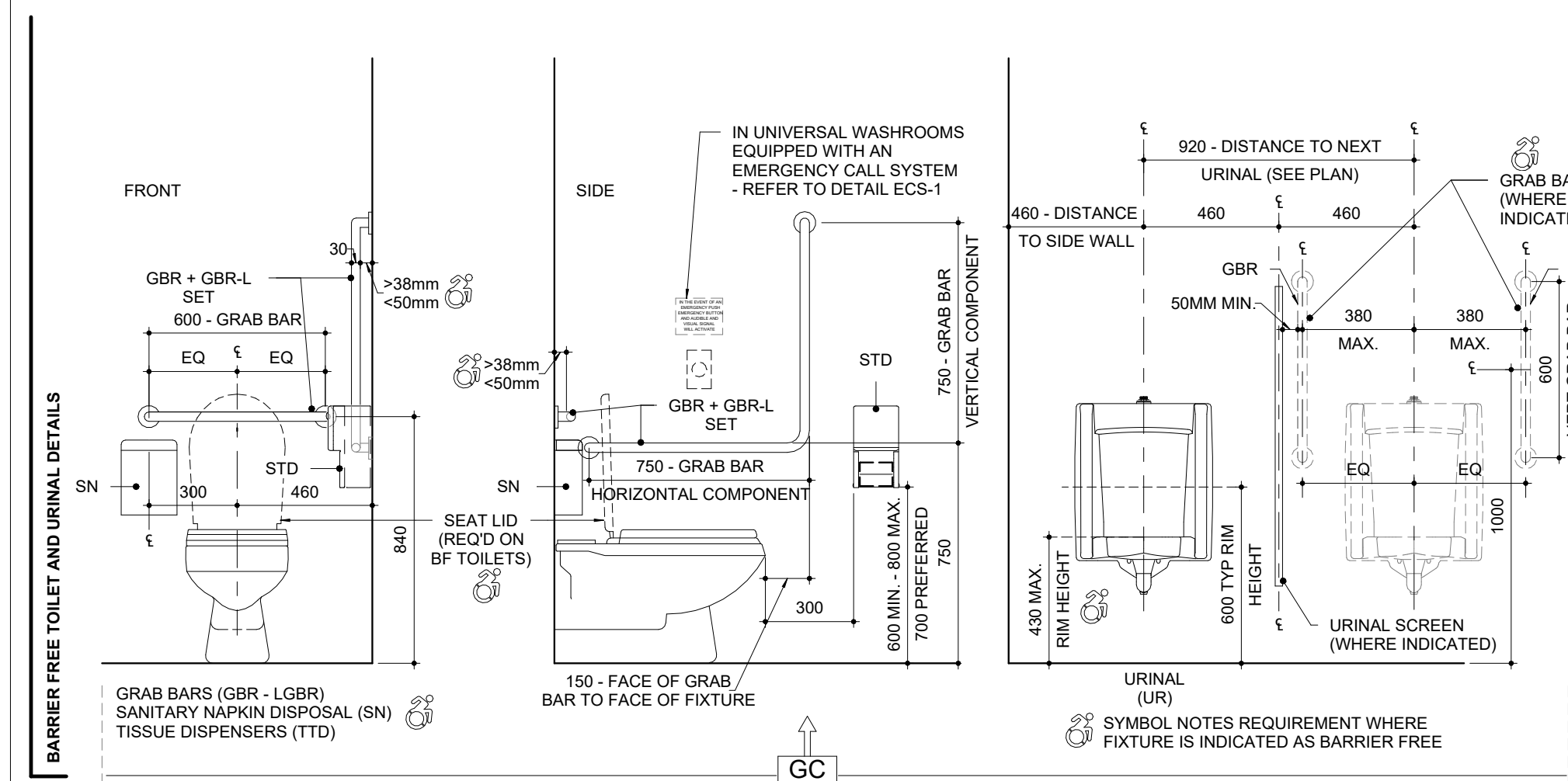
MST
100 CLEAR STONE
FILTER CLOTH
150 GRANULAR 'A'

TA-1
200 CONCRETE
REINFORCING - REFER TO STRUCTURAL
GRANULAR BASE COURSES (A & B) SEE NOTE BELOW
SLOPE APRON 1 : 10 MAX (150MM OVER 1500MM)
NOTE: GRANULAR BASE COURSES TO MATCH ADJACENT ASPHALT BASE COURSES (A & B)

SW-1
125 CONCRETE - BROOM FINISH
150 GRANULAR 'A' COMPACTED

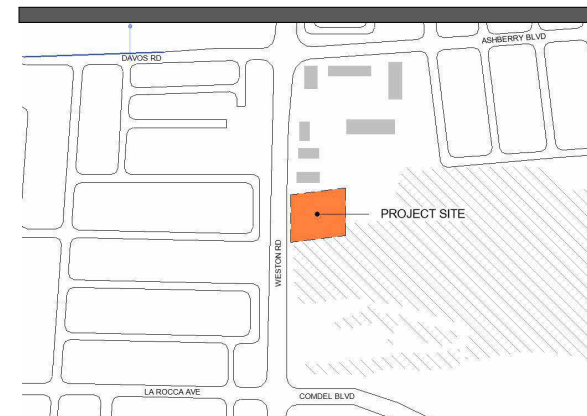
SOD
SOD
150 TOPSOIL

LSS
PLANTING BED
REFER TO LANDSCAPE DRAWINGS FOR DETAILS



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NO.	ISSUED FOR	DATE
17	SPA - REVISION	2023-08-30
18	ISSUED FOR PERMIT	2023-09-15
19	ISSUED FOR RFPQ	2023-10-19
24	ISSUED FOR CLASS A	2024-02-16
26	T24-253 - IFT	2024-04-15



FILE NO. SP.22.V.0191

CITY OF VAUGHAN FIRE STATION 7-12

9511 WESTON ROAD, VAUGHAN



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PROFESSIONAL SEAL

FIXTURE MOUNTING HEIGHTS

ORIENTATION

DATE 2021-11-24

SCALE As indicated DRAWN BY SRL

PROJECT No. TENDER

2104

DRAWING No. A0.3 REVISION

26

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NO.	ISSUE OR REVISION	DATE
7	ISSUED FOR SITE PLAN SUBMISSION 1	2022-05-31
10	SPA RE-SUBMISSION	2022-08-30
14	GEOTHERMAL ROUTE TO MEZZ	2023-03-22
17	SPA - REVISION	2023-06-30
18	ISSUED FOR PERMIT	2023-09-15
19	ISSUED FOR RFPQ	2023-10-19
21	BUILDING PERMIT REVISION	2023-11-14
24	ISSUED FOR CLASS A	2024-02-16
26	T24-253 - IFT	2024-04-15



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CITY OF VAUGHAN FIRE STATION 7-12

9511 WESTON ROAD, VAUGHAN

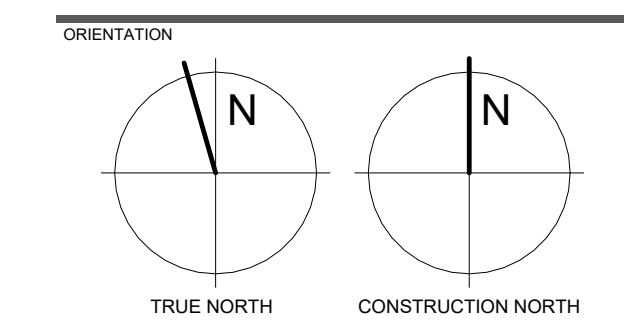


THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF THE WORK. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT.

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PROFESSIONAL SEAL

DWG TITLE FIRE, LIFE SAFETY, & AODA REQUIREMENTS



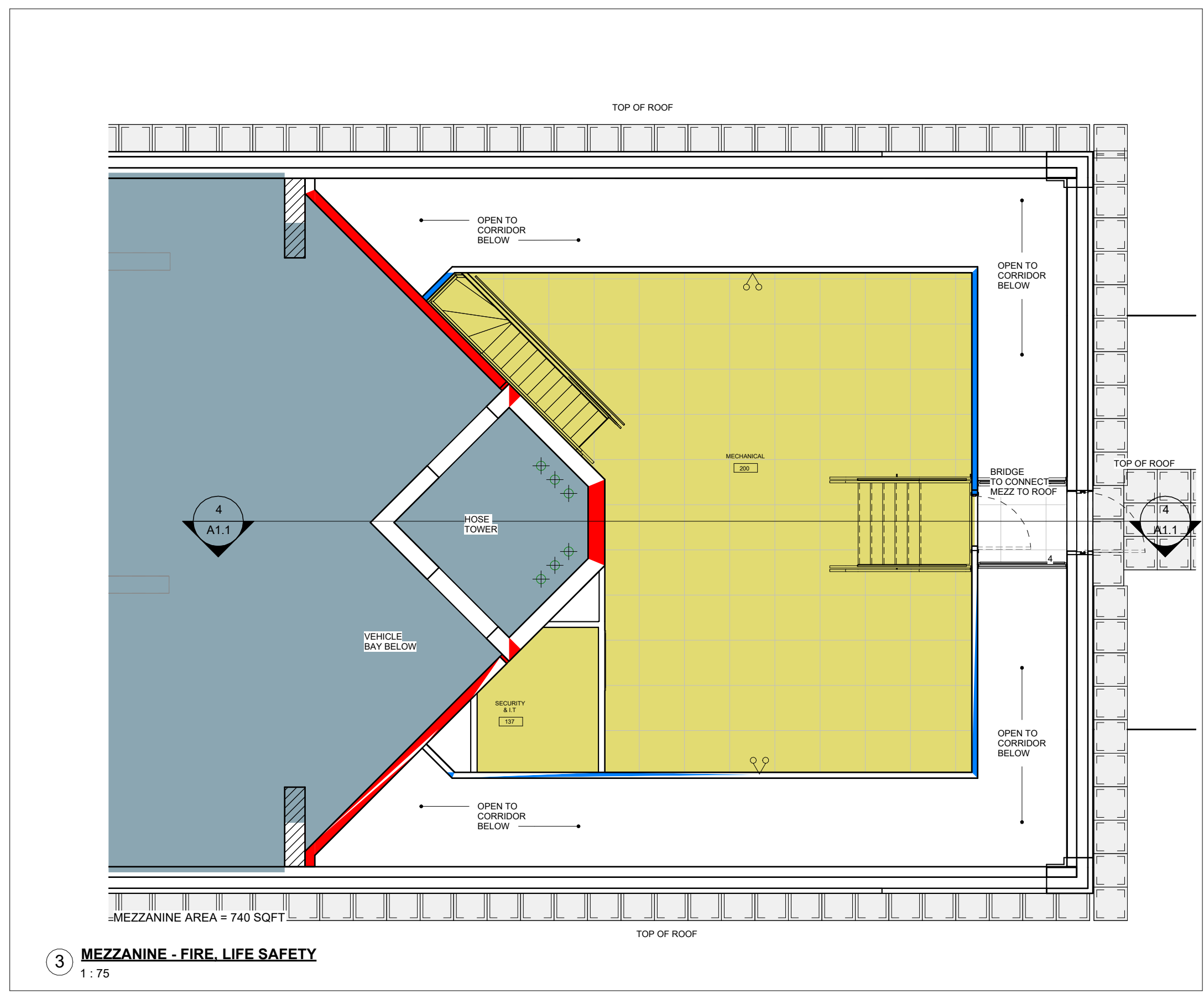
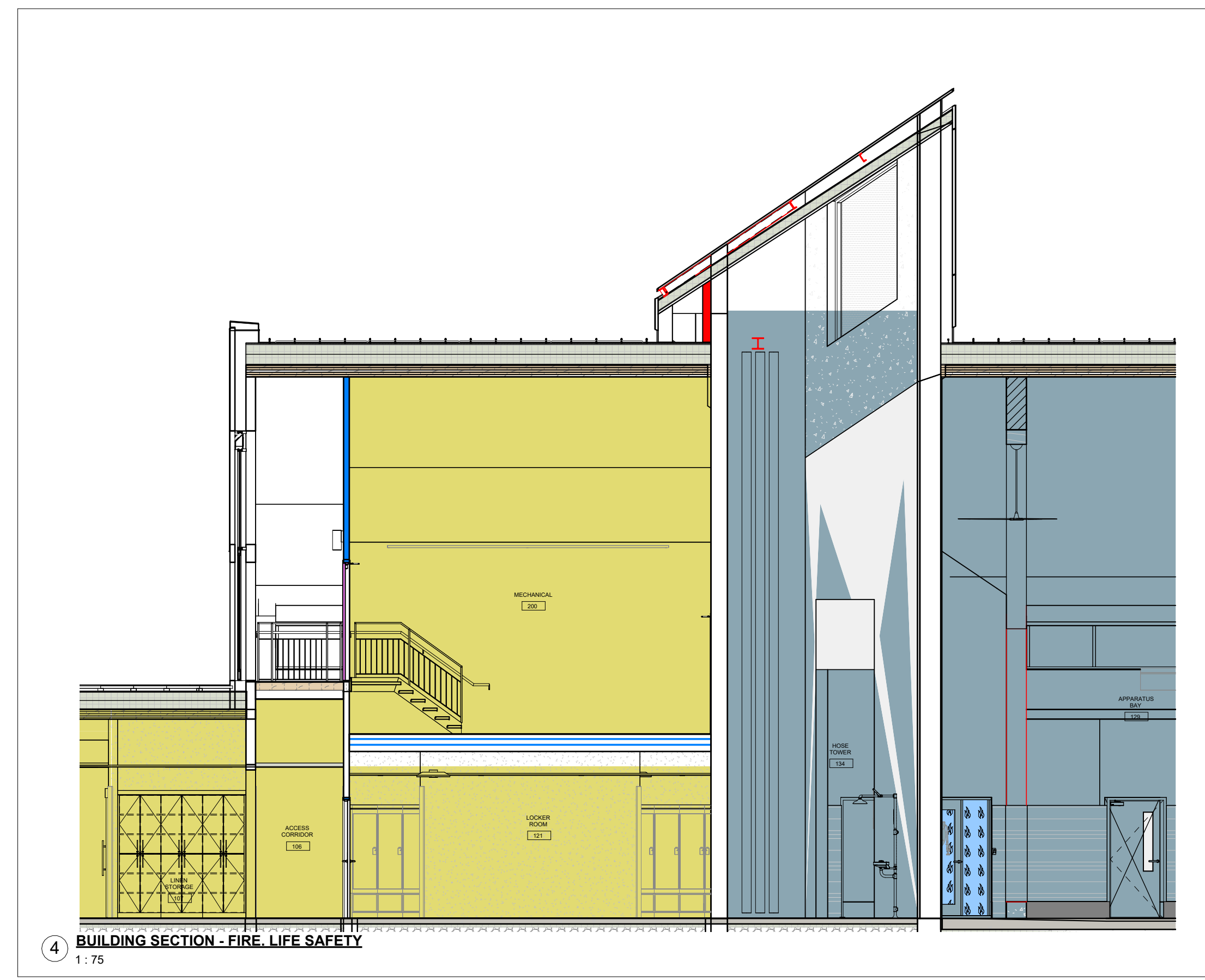
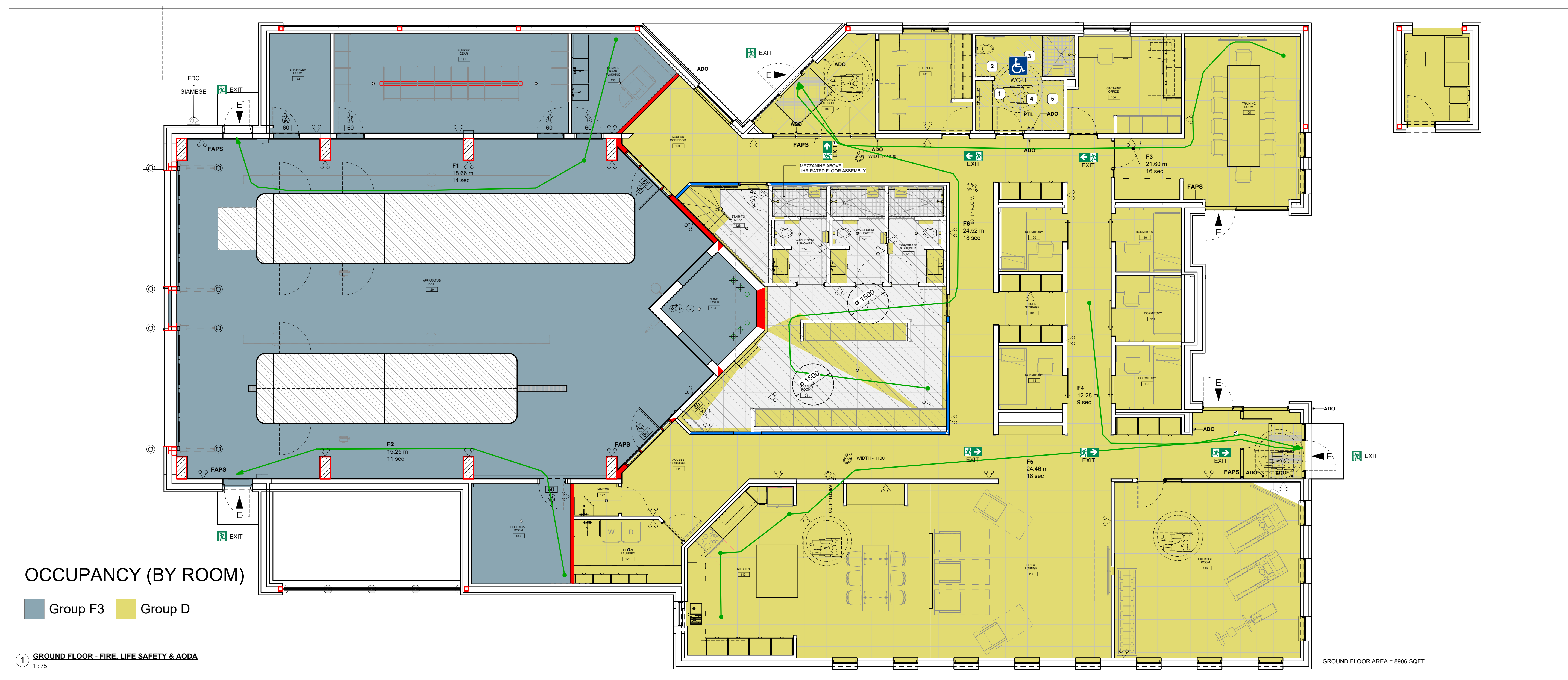
DATE: 2021-11-24

SCALE: As indicated DRAWN BY: SRL

DWG STATUS: TENDER

PROJECT No. 2104

DRAWING No. **A1.1** REVISION 26

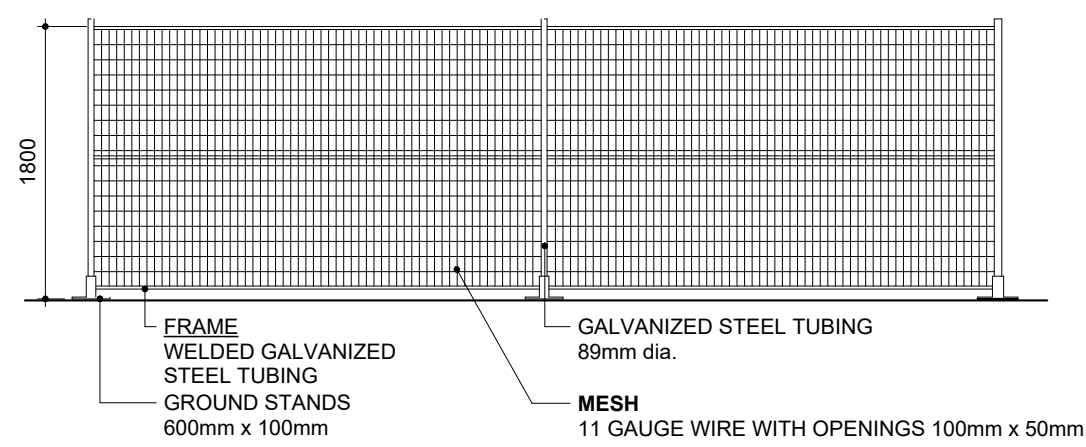
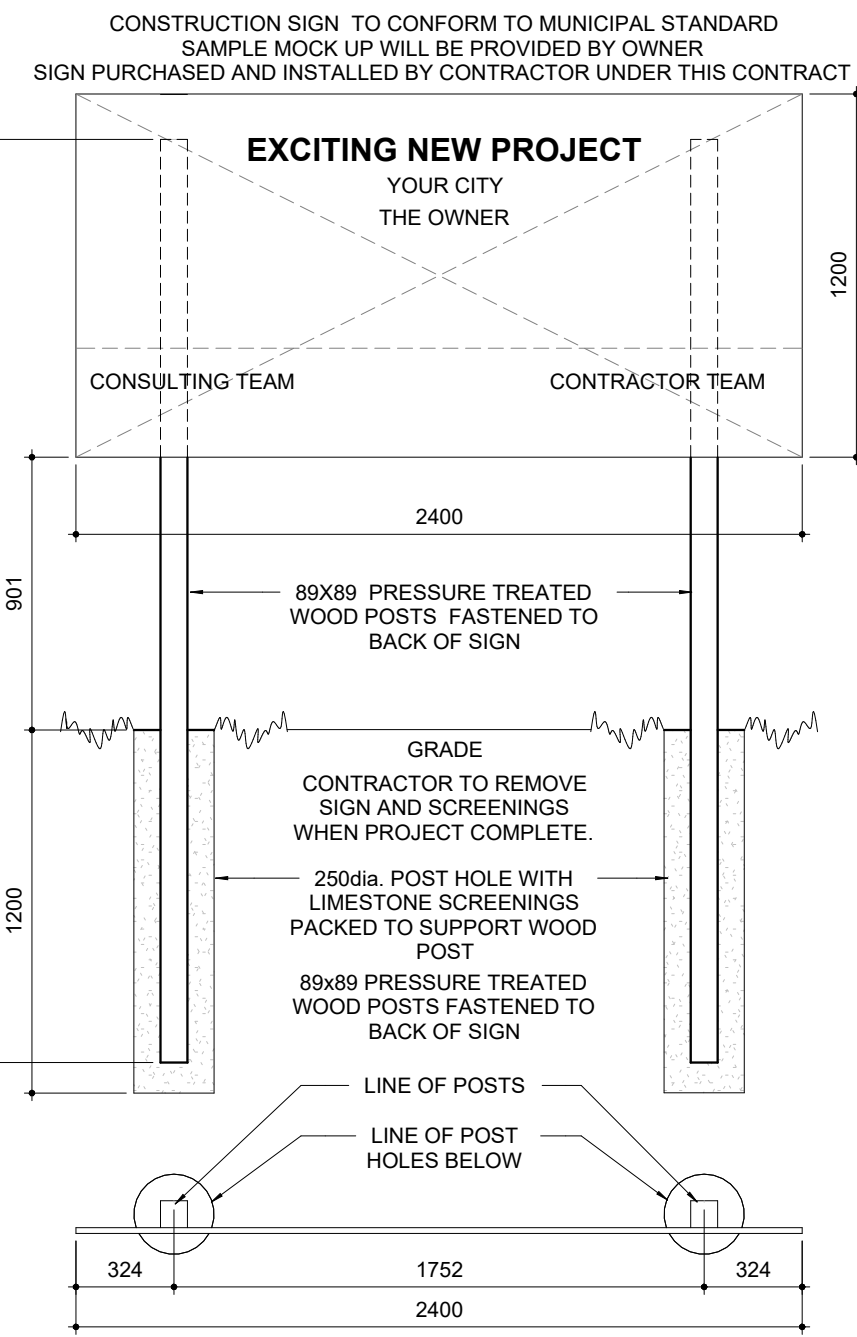


2 FIRE PLAN LEGEND		LEGEND - FIRE PLAN	
E	ENTRANCE/EXIT		
⊕	SIAMESE FIRE DEPARTMENT CONNECTION		
AS	AUTOMATIC SPRINKLER - ENTIRE BUILDING		
FCP	FIRE ALARM CONTROL PANEL		
GAP	GENERATOR ANNUNCIATOR PANEL		
FAPS	FIRE ALARM PULL STATION		
⊕	SINGLE / DOUBLE EMERGENCY LIGHT, BATTERY-POWERED		
⊕	ILLUMINATED EXIT SIGN, SINGLE FACE		
⊕	STROBE		
SDCO	COMBINED SMOKE/CO DETECTOR		
FEC	FIRE EXTINGUISHER CABINET c/w FIRE EXTINGUISHER		
Red	1.5hr FIRE SEPARATION		
Blue	1hr FIRE SEPARATION		
Pink	45min FIRE SEPARATION		

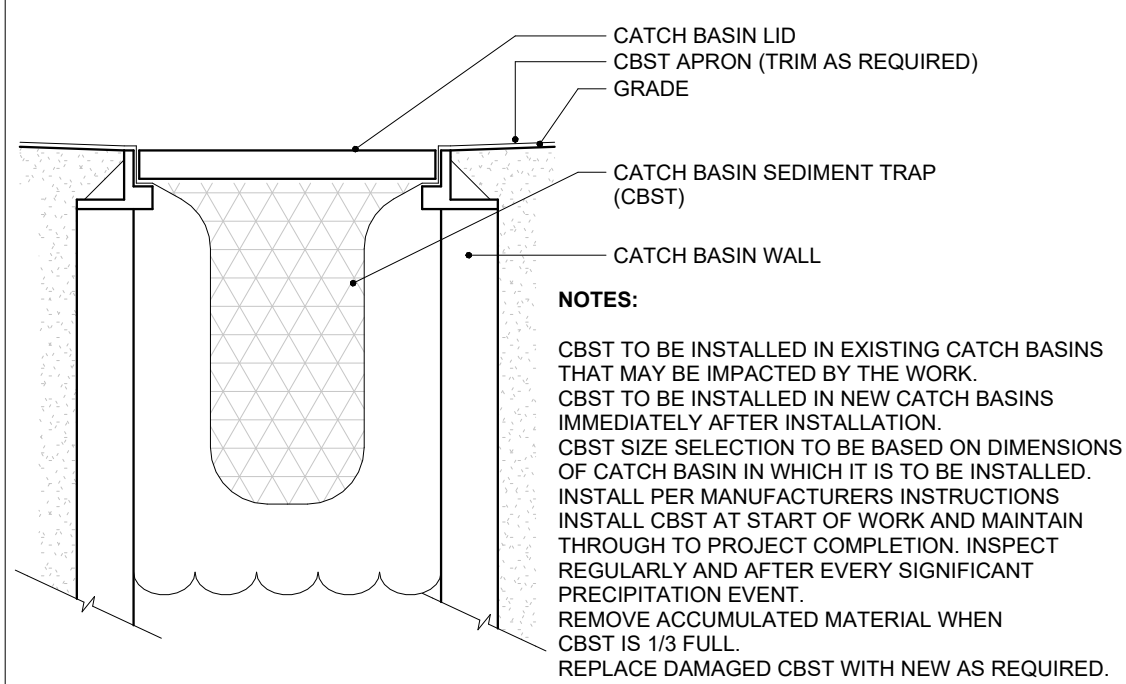
FIRE EXIT TRAVEL DISTANCE					
FROM ROOM	TO ROOM	LEVEL	TAG	TRAVEL SPEED	TIME
GROUND FLOOR					
BUNKER GEAR WASHING 130	APPARATUS BAY 129	GROUND FLOOR	F1	18.66 m 4.8 km/h	13.9 s
ELECTRICAL ROOM 133	APPARATUS BAY 129	GROUND FLOOR	F2	15.25 m 4.8 km/h	11.4 s
TRAINING ROOM 105	ENTRANCE VESTIBULE 100	GROUND FLOOR	F3	21.6 m 4.8 km/h	16.1 s
DORMITORY 109		GROUND FLOOR	F4	12.28 m 4.8 km/h	9.2 s
KITCHEN 119	VESTIBULE 115	GROUND FLOOR	F5	24.46 m 4.8 km/h	18.2 s
LOCKER ROOM 121	ENTRANCE VESTIBULE 100	GROUND FLOOR	F6	24.52 m 4.8 km/h	18.3 s

FIRE & AODA KEY NOTES	
NUMBER	NOTE
1	920mm x 1370 BARRIER FREE CLEARANCE AT SINK
2	900mm x 1500mm BARRIER FREE TRANSFER CLEARANCE
3	900mm x 1500mm BARRIER FREE CLEAR SPACE AT FRONT OF SHOWER
4	1800mm TURNING RADIUS
5	810mm x 1830mm ALLOCATED SPACE FOR BF ADULT CHANGE TABLE (NIC)

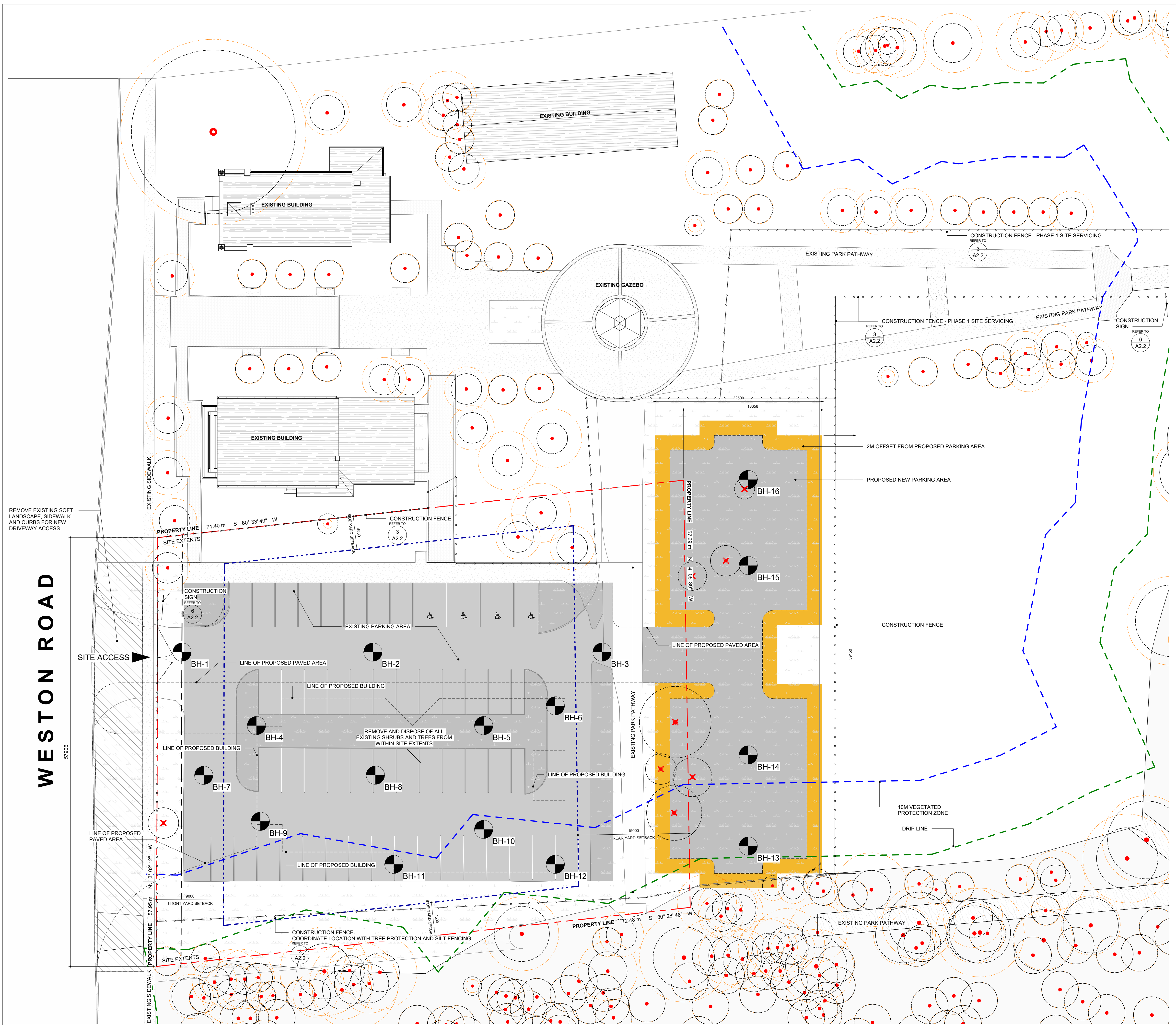
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NOTE: PROVIDE ACCESS GATES AS INDICATED OR WHERE REQUIRED.



- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF ALL EXISTING BY-LAWS, CODES, MUNICIPAL GOVERNMENTS AND AUTHORITIES HAVING JURISDICTION. OBTAIN ALL PERMITS REQUIRED IN ACCORDANCE WITH THE CONTRACT.
- DEMOLITION SCOPE SHOWN IS SCHEMATIC. CAREFUL EXAMINATION OF EXISTING SITE CONDITIONS IS REQUIRED TO DETERMINE FULL SCOPE OF DEMOLITION.
- REFER TO SUPPLEMENTAL REPORTS LISTED UNDER SPECIFICATION SECTION - INFORMATION AVAILABLE FOR REVIEW TO DETERMINE FULL SCOPE OF DEMOLITION.
- WHERE COMPLETE OR COMPLETELY IS ASSOCIATED WITH REMOVALS, THE INTENT IS THAT THE ITEM IS REMOVED IN ITS ENTIRETY INCLUDING ASSOCIATED FITTINGS AND APPURTANANCES.
- WHERE AN ITEM IS NOTED FOR REMOVAL THAT HAS ASSOCIATED MECHANICAL OR ELECTRICAL SERVICES, THESE SERVICES SHALL BE TERMINATED AT AN APPROPRIATE LOCATION AND IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS.



1 SITE PLAN - DEMOLITION 1:250

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NO.	ISSUED FOR	DATE
7	SITE PLAN SUBMISSION 1	2022-05-31
9	BH-GT TEST HOLE	2022-07-18
10	SPA RE-SUBMISSION	2022-08-30
17	SPA - REVISION	2023-06-30
18	ISSUED FOR PERMIT	2023-09-15
19	ISSUED FOR RFPQ	2023-10-19
24	ISSUED FOR CLASS A	2024-02-16
25	CLIENT REVIEW - 100%	2024-03-12
26	T24-253 - IFT	2024-04-15



FILE NO. SP.22.V.0191

CITY OF VAUGHAN FIRE STATION 7-12

9511 WESTON ROAD, VAUGHAN

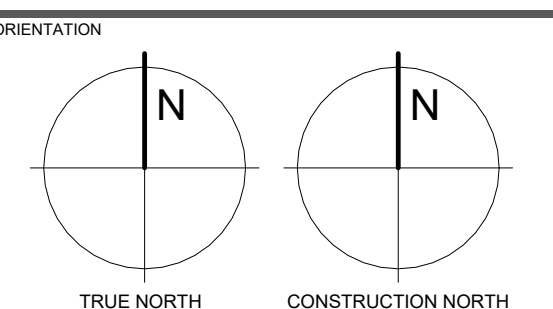


THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF THE WORK. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT.

ARCHITECT
THOMASBROWNARCHITECTS
197 SPADINA AVENUE, SUITE 500 | TORONTO ONTARIO | M5T 2C8

PROFESSIONAL SEAL

SITE DEMOLITION, SITE DETAILS



DATE 2021-11-24

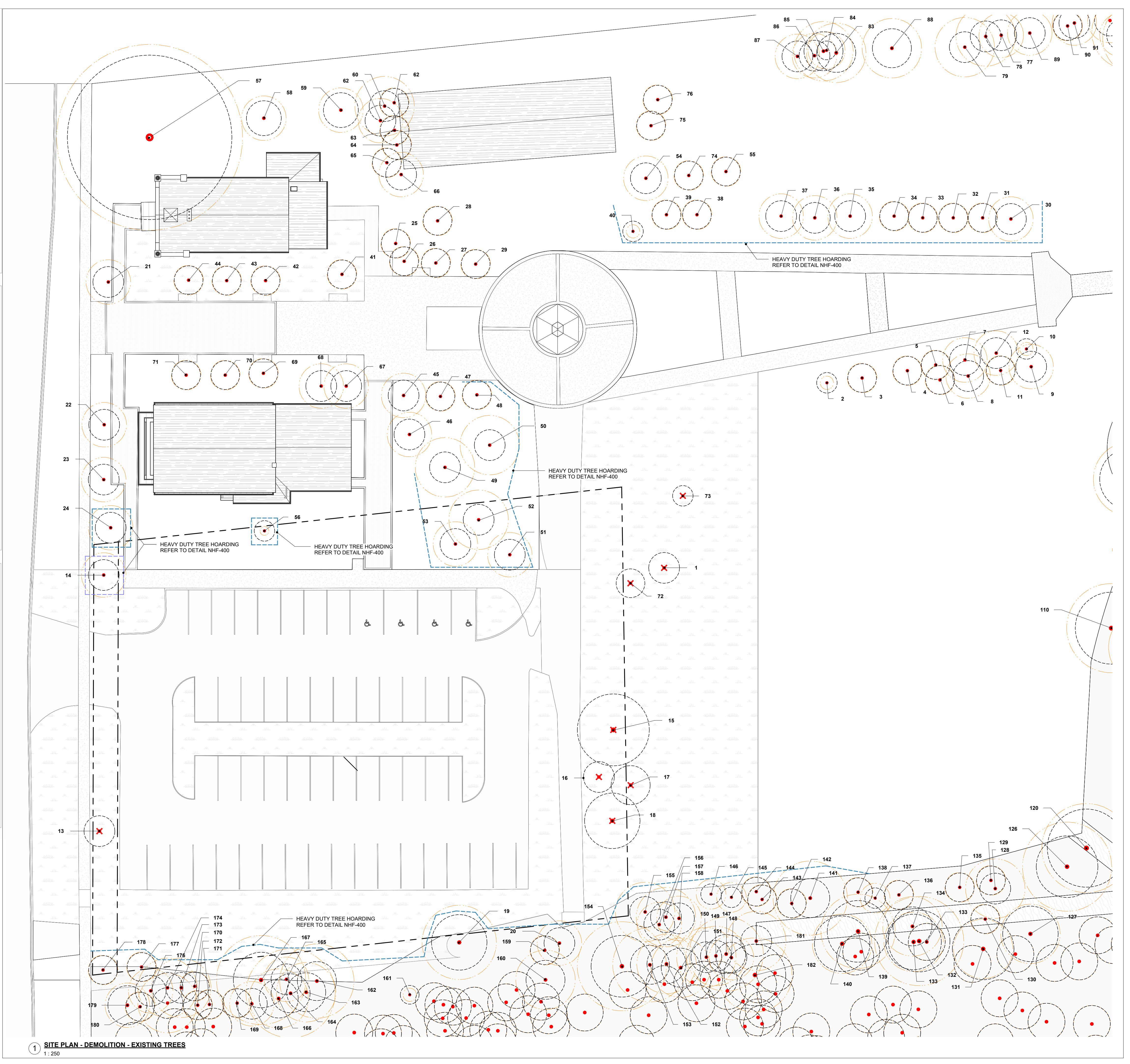
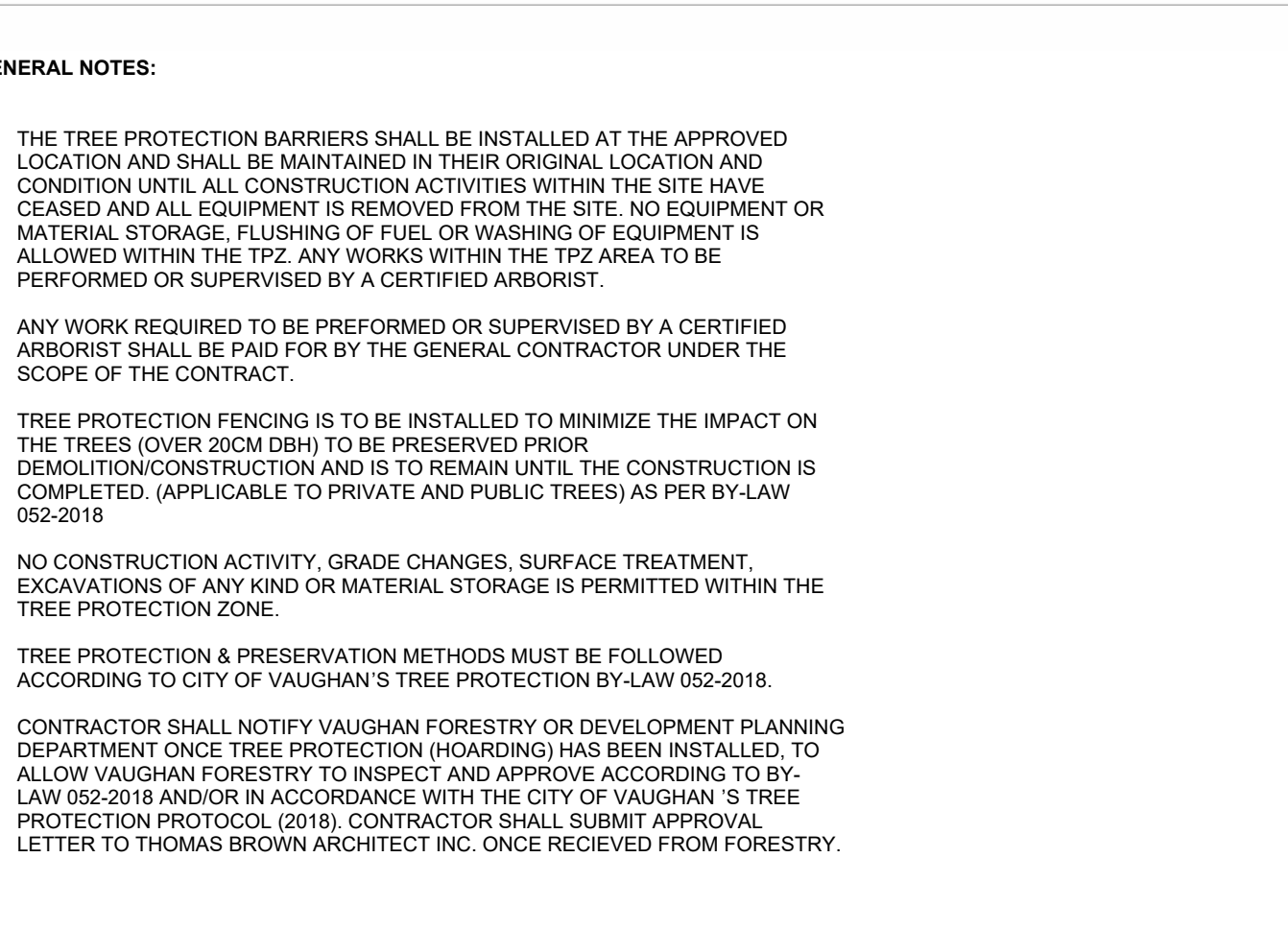
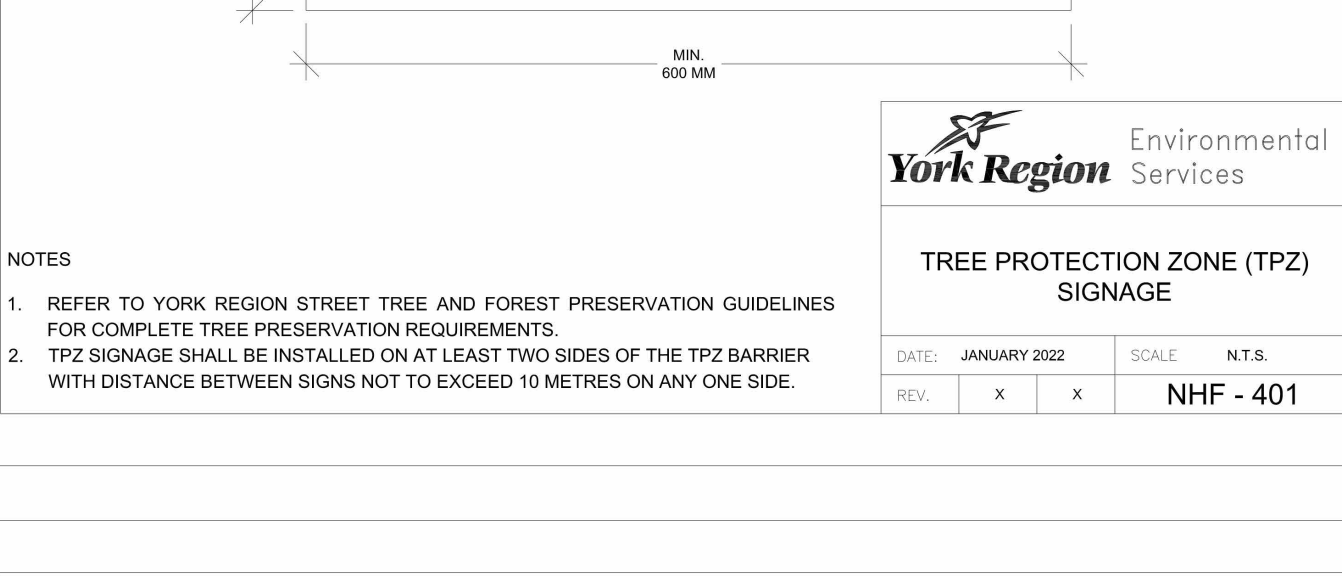
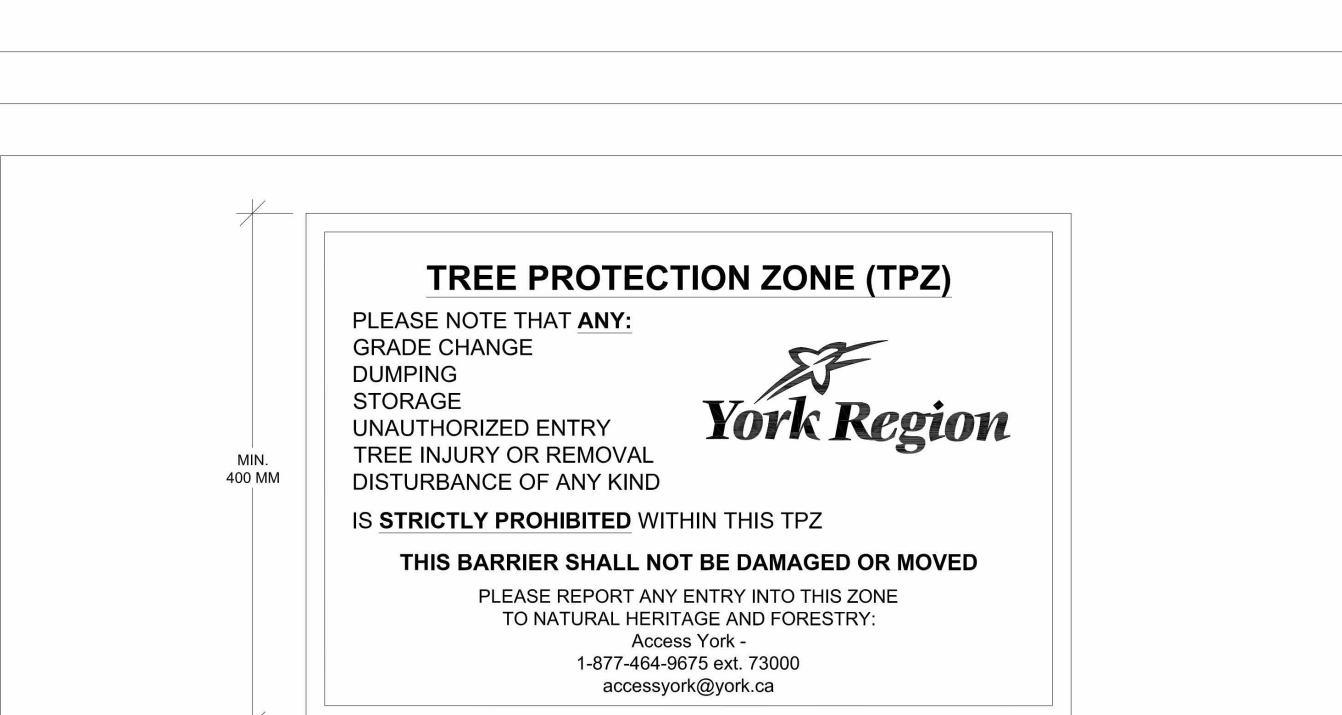
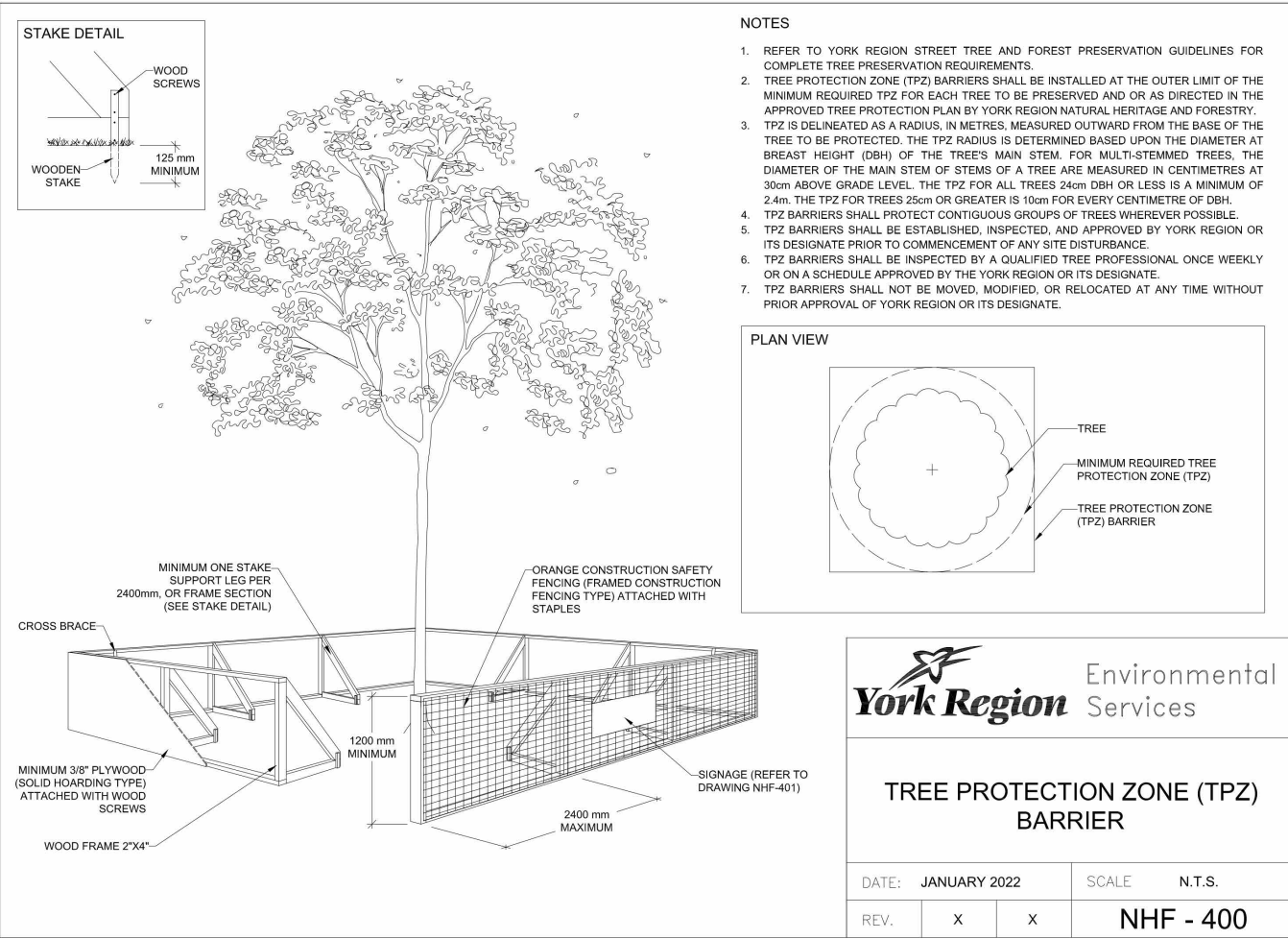
SCALE As indicated DRAWN BY SRL

DWG STATUS: TENDER

PROJECT No. 2104

DRAWING No. A2.2 REVISION 26

2024-04-19 10:44:41 AM



1 SITE PLAN - DEMOLITION - EXISTING TREES
1:250

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7	SITE PLAN SUBMISSION 1	2022-05-31
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24	ISSUED FOR CLASS A	2024-02-16
25	CLIENT REVIEW - 100%	2024-03-12
26	T24-253 - IFT	2024-04-15

FILE NO. SP.22.V.0191

CITY OF VAUGHAN FIRE STATION 7-12

9511 WESTON ROAD, VAUGHAN

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ARCHITECT
THOMASBROWNARCHITECTS
197 SPADINA AVENUE, SUITE 500 | TORONTO ONTARIO | M5T 3C8

PROFESSIONAL SEAL

DWG TITLE
**TREE INVENTORY/
REMOVAL/
PRESERVATION
PLAN**

ORIENTATION
TRUE NORTH CONSTRUCTION NORTH

DATE
2021-11-24

SCALE
1:250

DRAWN BY
SRL

DWG STATUS
TENDER

PROJECT No.
2104

DRAWING No.
A2.3

REVISION
26

2024-04-19 10:44:45 AM

TREE INVENTORY & ACTION REQUIRED BY CONTRACTOR

TREE #	SPECIES	DBH (cm)	DIAMETER (m)	CONDITION	ACTION REQUIRED BY CONTRACTOR
56	BLUE SPRUCE	7.0	1	GOOD	EXISTING TREE TO REMAIN
57	SILVER MAPLE	180	12	GOOD	EXISTING TREE TO REMAIN
58	LITTLE LEAF LINDEN	23	3	GOOD	EXISTING TREE TO REMAIN
59	LITTLE LEAF LINDEN	26	3	GOOD	EXISTING TREE TO REMAIN
60	MANITOBA MAPLE	20	4	GOOD	EXISTING TREE TO REMAIN
61	MANITOBA MAPLE	11	2	GOOD	EXISTING TREE TO REMAIN
62	WHITE PINE	25	3	GOOD	EXISTING TREE TO REMAIN
63	UNKNOWN	15	2	GOOD	EXISTING TREE TO REMAIN
64	WHITE SPRUCE	22	2	GOOD	EXISTING TREE TO REMAIN
65	WHITE SPRUCE	20	2	GOOD	EXISTING TREE TO REMAIN
66	WHITE SPRUCE	29	3	GOOD	EXISTING TREE TO REMAIN
67	CRABAPPLE	23	3	GOOD	EXISTING TREE TO REMAIN
68	CRABAPPLE	18	3	GOOD	EXISTING TREE TO REMAIN
69	ELM	14	2	GOOD	EXISTING TREE TO REMAIN
70	ELM	13	2	GOOD	EXISTING TREE TO REMAIN
71	ELM	15	2	GOOD	EXISTING TREE TO REMAIN
74	BLUE SPRUCE	13	2	GOOD	EXISTING TREE TO REMAIN
75	BLUE SPRUCE	19	2	GOOD	EXISTING TREE TO REMAIN
76	BLUE SPRUCE	17	2	GOOD	EXISTING TREE TO REMAIN
77	IRONWOOD	15	3	GOOD	EXISTING TREE TO REMAIN
78	SUGAR MAPLE	20	4	GOOD	EXISTING TREE TO REMAIN
79	SUGAR MAPLE	29	4	GOOD	EXISTING TREE TO REMAIN
80	MANITOBA MAPLE	23	5	GOOD	EXISTING TREE TO REMAIN
81	WHITE ELM	25	3	GOOD	EXISTING TREE TO REMAIN
82	MANITOBA MAPLE	35	5	GOOD	EXISTING TREE TO REMAIN
83	SUGAR MAPLE	30	4	GOOD	EXISTING TREE TO REMAIN
84	IRONWOOD	18	0	GOOD	EXISTING TREE TO REMAIN
85	IRONWOOD	33	4	GOOD	EXISTING TREE TO REMAIN
86	SUGAR MAPLE	12	3	GOOD	EXISTING TREE TO REMAIN
87	IRONWOOD	15	3	GOOD	EXISTING TREE TO REMAIN
88	BASSWOOD	30	4	GOOD	EXISTING TREE TO REMAIN
89	BASSWOOD	21	3	GOOD	EXISTING TREE TO REMAIN
90	BASSWOOD	26	2	GOOD	EXISTING TREE TO REMAIN
91	BASSWOOD	21	3	GOOD	EXISTING TREE TO REMAIN
92	IRONWOOD	21	3	GOOD	EXISTING TREE TO REMAIN
93	SUGAR MAPLE	11	3	GOOD	EXISTING TREE TO REMAIN
94	MANITOBA MAPLE	20	4	GOOD	EXISTING TREE TO REMAIN
95	SWAMP WHITE OAK	17	3	GOOD	EXISTING TREE TO REMAIN
96	SUGAR MAPLE	19	3	GOOD	EXISTING TREE TO REMAIN
97	WHITE ELM	43	6	GOOD	EXISTING TREE TO REMAIN
98	SUGAR MAPLE	18	2	POTENTIAL TROUBLE	EXISTING TREE TO REMAIN
99	SUGAR MAPLE	18	4	GOOD	EXISTING TREE TO REMAIN
100	SUGAR MAPLE	10	2	POTENTIAL TROUBLE	EXISTING TREE TO REMAIN
101	SUGAR MAPLE	10	1	POTENTIAL TROUBLE	EXISTING TREE TO REMAIN
102	SUGAR MAPLE	21	3	SATISFACTORY	EXISTING TREE TO REMAIN
103	SUGAR MAPLE	15	3	POTENTIAL TROUBLE	EXISTING TREE TO REMAIN
104	SUGAR MAPLE	52	5	GOOD	EXISTING TREE TO REMAIN
105	SUGAR MAPLE	24	2	GOOD	EXISTING TREE TO REMAIN
106	WHITE ELM	13	2	GOOD	EXISTING TREE TO REMAIN
107	SUGAR MAPLE	39	4	GOOD	EXISTING TREE TO REMAIN
108	SUGAR MAPLE	25	4	GOOD	EXISTING TREE TO REMAIN
109	SUGAR MAPLE	55	5	GOOD	EXISTING TREE TO REMAIN
110	SUGAR MAPLE	68	6	GOOD	EXISTING TREE TO REMAIN
111	SUGAR MAPLE	45	5	GOOD	EXISTING TREE TO REMAIN
112	SUGAR MAPLE	42	5	GOOD	EXISTING TREE TO REMAIN

TREE INVENTORY & ACTION REQUIRED BY CONTRACTOR

TREE #	SPECIES	DBH (cm)	DIAMETER (m)	CONDITION	ACTION REQUIRED BY CONTRACTOR
40	EUROPEAN BEECH	17	1	GOOD	CONTRACTOR TO REMOVE AND DISPOSE OF TREE, STUMP AND ROOT SYSTEM, DBH <20CM
178	NORWAY MAPLE	25	2	POTENTIAL TROUBLE	CONTRACTOR TO REMOVE AND DISPOSE OF TREE, STUMP AND ROOT SYSTEM, DBH >20CM
2	EUROPEAN BEECH	15	1	GOOD	EXISTING TREE TO REMAIN
3	EUROPEAN BEECH	17	2	GOOD	EXISTING TREE TO REMAIN
4	EUROPEAN BEECH	18	2	GOOD	EXISTING TREE TO REMAIN
5	EUROPEAN BEECH	17	2	GOOD	EXISTING TREE TO REMAIN
6	EUROPEAN BEECH	17	2	GOOD	EXISTING TREE TO REMAIN
7	EUROPEAN BEECH	16	3	GOOD	EXISTING TREE TO REMAIN
8	EUROPEAN BEECH	16	3	GOOD	EXISTING TREE TO REMAIN
9	EUROPEAN BEECH	18	3	GOOD	EXISTING TREE TO REMAIN
10	EUROPEAN BEECH	10	1	GOOD	EXISTING TREE TO REMAIN
11	EUROPEAN BEECH	17	2	GOOD	EXISTING TREE TO REMAIN
12	EUROPEAN BEECH	18	3	GOOD	EXISTING TREE TO REMAIN
14	SILVER MAPLE	22	3	GOOD	EXISTING TREE TO REMAIN
19	BLACK WALNUT	44	5	GOOD	EXISTING TREE TO REMAIN
20	BASSWOOD	22	3	GOOD	EXISTING TREE TO REMAIN
21	SILVER MAPLE	19	3	GOOD	EXISTING TREE TO REMAIN
22	SILVER MAPLE	23	3	GOOD	EXISTING TREE TO REMAIN
23	SILVER MAPLE	20	3	GOOD	EXISTING TREE TO REMAIN
24	SILVER MAPLE	22	3	GOOD	EXISTING TREE TO REMAIN
25	CRABAPPLE	19	2	GOOD	EXISTING TREE TO REMAIN
26	HONEY LOCUST	17	2	GOOD	EXISTING TREE TO REMAIN
27	HONEY LOCUST	17	2	GOOD	EXISTING TREE TO REMAIN
28	KENTUCKY COFFEE TREE	13	2	GOOD	EXISTING TREE TO REMAIN
29	HONEY LOCUST	14	2	GOOD	EXISTING TREE TO REMAIN
30	EUROPEAN BEECH	20	3	GOOD	EXISTING TREE TO REMAIN
31	EUROPEAN BEECH	17	2	GOOD	EXISTING TREE TO REMAIN
32	EUROPEAN BEECH	17	2	GOOD	EXISTING TREE TO REMAIN
33	EUROPEAN BEECH	16	2	GOOD	EXISTING TREE TO REMAIN
34	EUROPEAN BEECH	19	2	GOOD	EXISTING TREE TO REMAIN
35	EUROPEAN BEECH	19	3	GOOD	EXISTING TREE TO REMAIN
36	EUROPEAN BEECH	16	3	GOOD	EXISTING TREE TO REMAIN
37	EUROPEAN BEECH	22	3	GOOD	EXISTING TREE TO REMAIN
38	EUROPEAN BEECH	18	2	GOOD	EXISTING TREE TO REMAIN
39	EUROPEAN BEECH	17	2	GOOD	EXISTING TREE TO REMAIN
41	SILVER MAPLE	11	2	GOOD	EXISTING TREE TO REMAIN
42	ELM	12	2	GOOD	EXISTING TREE TO REMAIN
43	ELM	14	2	GOOD	EXISTING TREE TO REMAIN
44	ELM	13	2	GOOD	EXISTING TREE TO REMAIN
45	HONEY LOCUST	18	3	GOOD	EXISTING TREE TO REMAIN
46	LONDON PLANE TREE	20	3	GOOD	EXISTING TREE TO REMAIN
47	EUROPEAN BEECH	17	2	GOOD	EXISTING TREE TO REMAIN
48	HONEY LOCUST	14	2	GOOD	EXISTING TREE TO REMAIN
49	LONDON PLANE TREE	29	4	GOOD	EXISTING TREE TO REMAIN
50	LONDON PLANE TREE	26	4	GOOD	EXISTING TREE TO REMAIN
51	SILVER MAPLE	24	3	GOOD	EXISTING TREE TO REMAIN
52	SILVER MAPLE	29	4	GOOD	EXISTING TREE TO REMAIN
53	LONDON PLANE TREE	20	3	GOOD	EXISTING TREE TO REMAIN
54	KENTUCKY COFFEE TREE	14	3	GOOD	EXISTING TREE TO REMAIN
55	KENTUCKY COFFEE TREE	11	2	GOOD	EXISTING TREE TO REMAIN

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ISSUE OR REVISION

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7	SITE PLAN SUBMISSION 1	2022-05-31
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26	T24-253 - IFT	2024-04-15

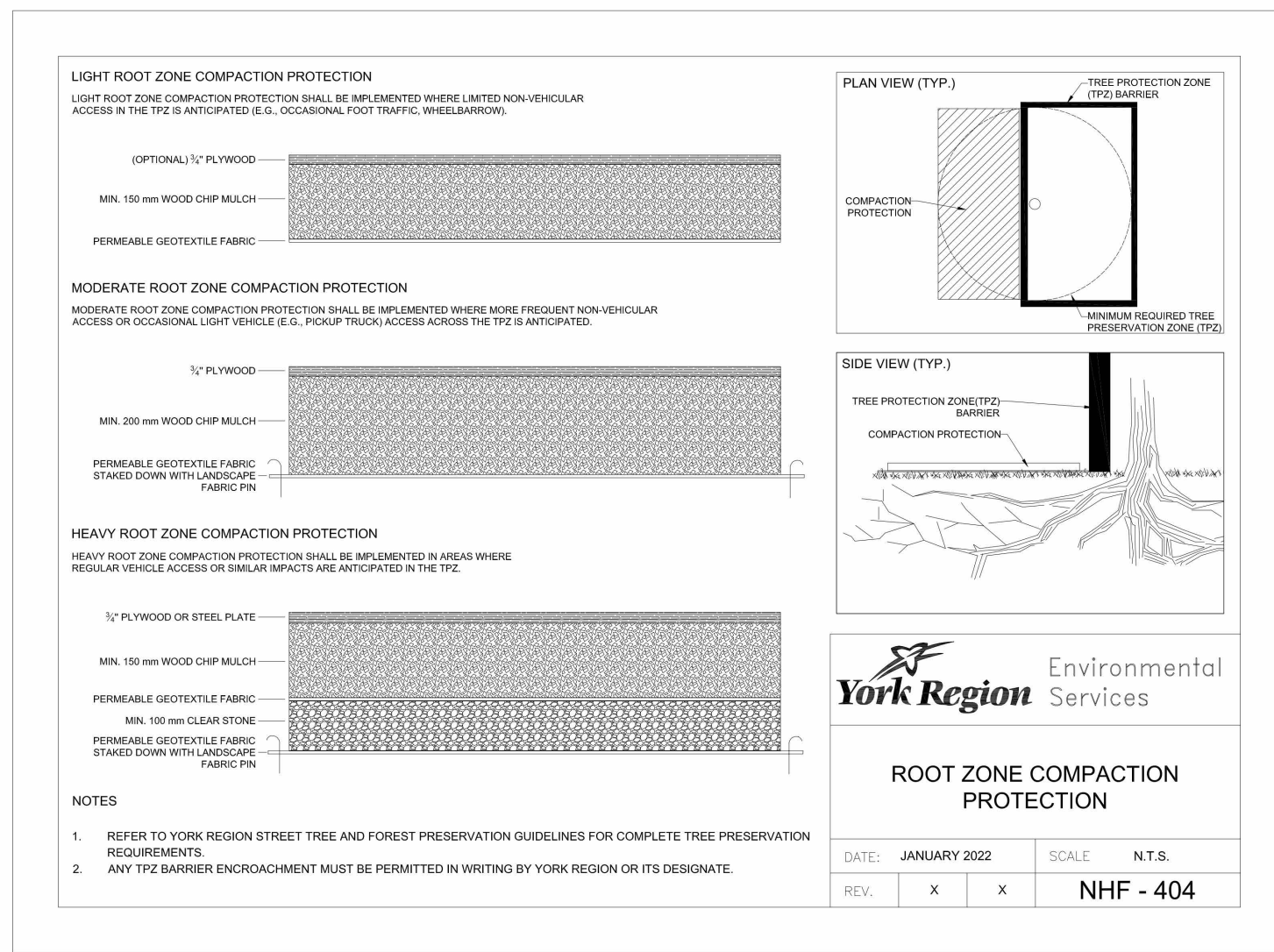
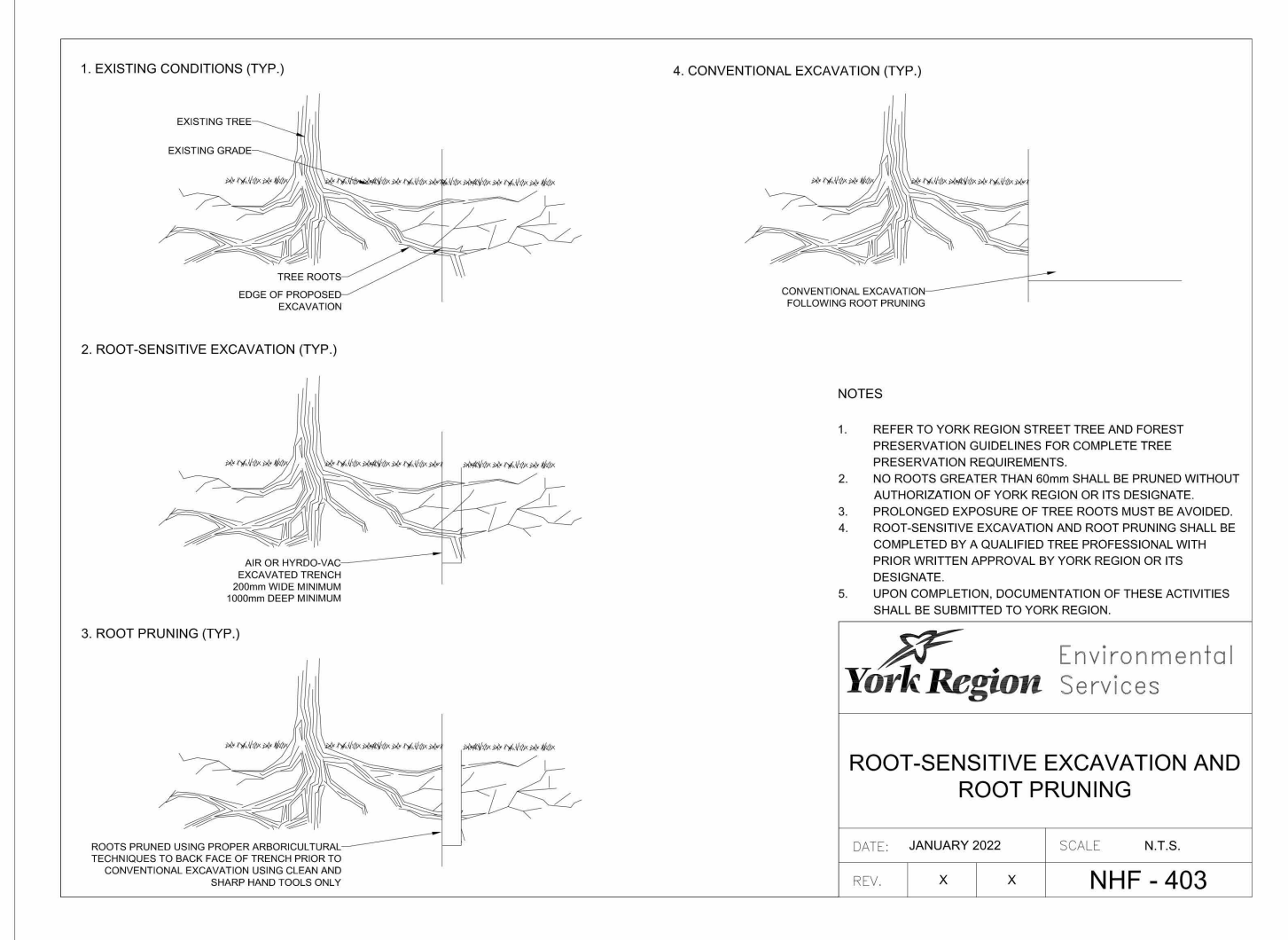
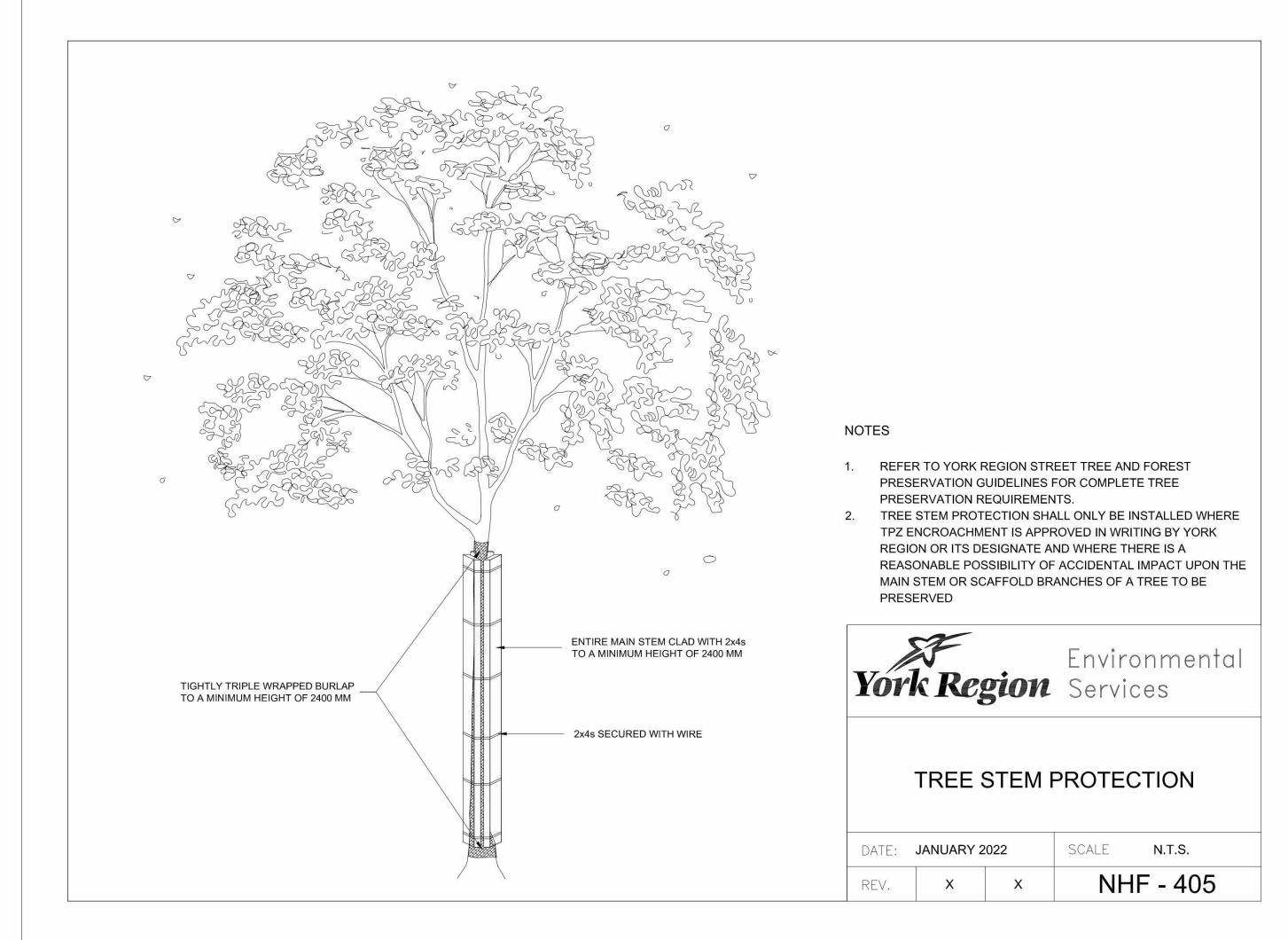


FILE NO. SP. 22.V.0191

**CITY OF VAUGHAN
FIRE STATION 7-12
9511 WESTON ROAD, VAUGHAN**

CLIENT: **VAUGHAN**

ARCHITECT: **THOMASBROWNARCHITECTS**
197 SPADINA AVENUE, SUITE 500 | TORONTO ONTARIO | M5T 2C8



**TREE INVENTORY/
REMOVAL/
PRESERVATION
PLAN SCHEDULES**

DATE: 2021-11-24

SCALE: DRAWN BY: SRL

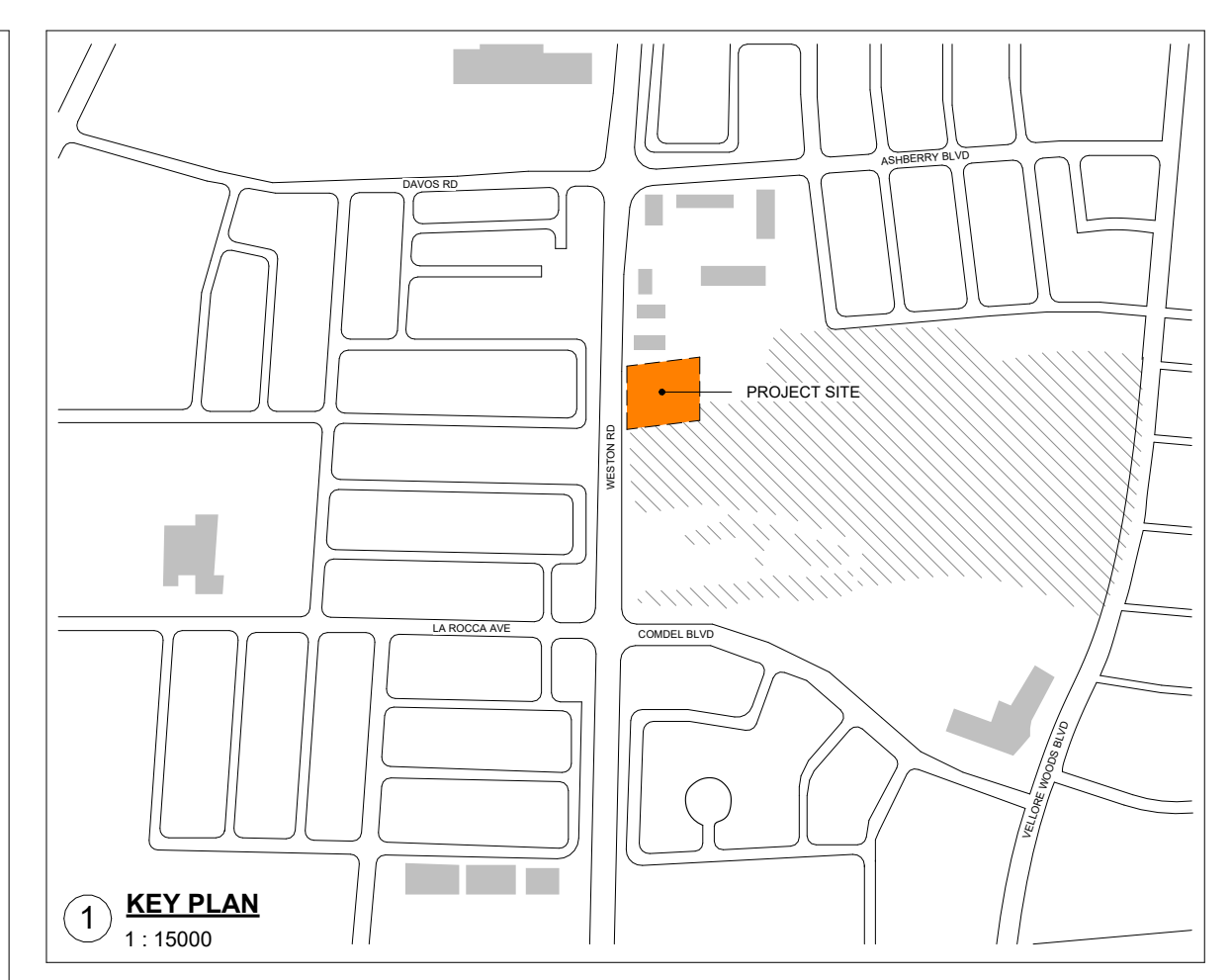
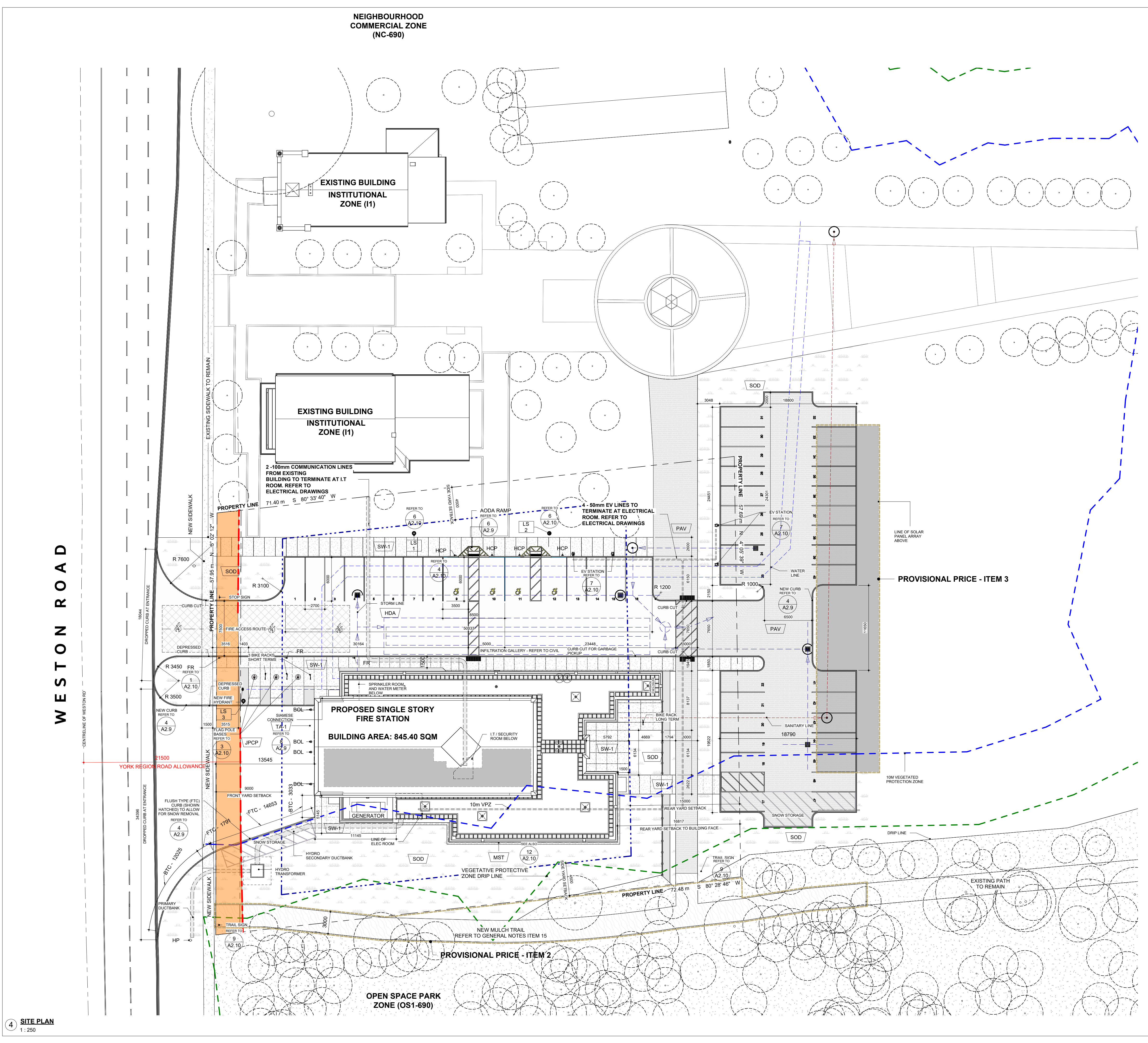
DWG STATUS: TENDER

PROJECT No: 2104

DRAWING No: A2.4 REVISION: 26

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NEIGHBOURHOOD
COMMERCIAL ZONE
(NC-690)



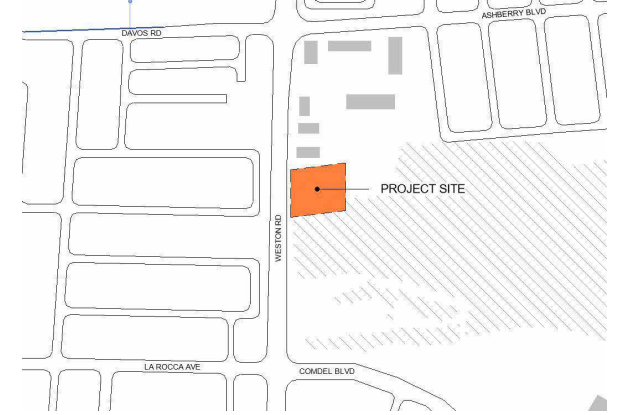
1 KEY PLAN
1: 15000

2 / A2.7 A700 GENERAL NOTES - SITE PLAN

- THE CONTRACT CONSISTS OF ALL WORK WITHIN THE 'PROPERTY LINE' AND/OR 'SITE EXTENTS' LINE UNLESS OTHERWISE SPECIFICALLY NOTED OUTSIDE OF THAT LINE OR AS REQUIRED TO DELIVER A FUNCTIONING PROJECT.
- THE TERM 'SITE EXTENTS' REFERS TO THE AREA THAT THE CONTRACTOR IS REQUIRED TO ENCLOSE WITH CONSTRUCTION FENCING FOR THE DURATION OF THE WORK.
- ALL WORK DONE OUTSIDE OF THESE LIMITS MUST BE EXECUTED IN STRICT ACCORDANCE WITH THE STANDARDS OF THE MUNICIPALITY AND ALL OTHER AUTHORITIES HAVING JURISDICTION. MAKE GOOD AT NO ADDITIONAL COST TO THE OWNER OR MUNICIPALITY ANY DAMAGE CAUSED BY THIS CONSTRUCTION TO MATERIALS OR FINISHES BEYOND THE 'PROPERTY LINE' INDICATED.
- CONTRACTOR IS TO RESTRICT ALL WORK, EQUIPMENT AND MATERIALS STORAGE TO AREA(S) WITHIN THE 'PROPERTY LINE' EXCEPT WHERE NOTED OTHERWISE. PRIMARY SITE ACCESS POINT & CONSTRUCTION PARKING IS TO BE CONFIRMED WITH OWNER. NO PARKING IS PERMITTED IN THE MUNICIPAL RIGHT-OF-WAY.
- THE REGION'S 180MM YORK-PEEL WATERMAIN IS LOCATED IN THE WESTON ROAD RIGHT-OF-WAY IN CLOSE PROXIMITY TO THE PROPOSED DEVELOPMENT. INTEGRITY OF THE ABOVE REGIONAL INFRASTRUCTURE SHALL BE PROTECTED AND MAINTAINED AT ALL TIMES DURING CONSTRUCTION AND GRADING OF THE PROPOSED DEVELOPMENT. ANY CONSTRUCTION WORKS IN CLOSE PROXIMITY TO THE WATERMAIN INCLUDING SHORING SYSTEMS REQUIRE THE REGION'S APPROVAL PRIOR TO CONSTRUCTION. REFER TO DRAWING A2.1 FOR LOCATION OF C.P. FEEDERMAIN.
- LOCATE EXCAVATED MATERIALS & TOPSOIL PILES SO AS NOT TO IMPEDE PROGRESS OF THE WORK OR AS DIRECTED. 'DOUBLE HANDLING' OF MATERIALS AS A RESULT OF CONTRACTOR PLANNING OR EXECUTION OF THE WORK WILL NOT BE CONSIDERED AS A BASIS FOR CLAIM. AT COMPLETION OF THE PROJECT, ANY EXCESS MATERIAL IS TO BE REMOVED AND AREA MADE GOOD TO CONSULTANTS SATISFACTION.
- FOR TRENCHING & BACKFILLING OF ALL SERVICE LINES AND DIVISION OF RESPONSIBILITY REFER TO APPROPRIATE SPECIFICATION SECTIONS AND DRAWINGS. TRENCHING & BACKFILLING NOT IDENTIFIED BY A PARTICULAR SUB-TRADE WILL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROVIDE TRENCHING AND BACKFILLING. GRADE FINISHED WORK TO MATCH SURROUNDING SURFACES.
- NOTE THAT THE EXACT LOCATIONS OF ALL NEW MECHANICAL & ELECTRICAL ITEMS ARE APPROXIMATE UNLESS DIMENSIONS ARE GIVEN. ADJUST LOCATIONS AS REQUIRED AND AS APPROVED BY INDICANT TO SUIT SITE CONDITIONS.
- NOTE THAT ALL MECHANICAL AND ELECTRICAL UNDERGROUND AND ABOVEGROUND SERVICE LINES INDICATED ON DRAWINGS ARE APPROXIMATE ONLY AND ARE INDICATED AS ACCURATELY AS POSSIBLE FROM INFORMATION SUPPLIED. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT TYPES, LOCATIONS, DEPTHS AND MARKING ALL UNDERGROUND AND ABOVEGROUND SERVICES WITHIN ALL AREAS OF CONSTRUCTION. THIS INCLUDES, BUT IS NOT LIMITED TO, GAS LINES, WATER LINES, ELECTRICAL LINES, TELEPHONE, CABLE TV ETC. VERIFY EXACT LOCATIONS WITH THE APPROPRIATE AUTHORITIES BEFORE EXCAVATING.
- PRIOR TO COMMENCING WORK TO PLACE VERTICAL ELEMENTS SUCH AS FLAGPOLES AND LIGHT STANDARDS ENSURE ADEQUATE CLEARANCE FROM EXISTING ABOVE GROUND ELEMENTS SUCH AS OVERHEAD WIRES CABLES ETC. NOTIFY THE CONSULTANT OF ANY DISCREPANCIES PRIOR TO COMMENCEMENT OF WORK.
- ALL FINISHED PAVING AND GRADING TO BE TO NEW LEVELS SHOWN. ALL DRAINAGE TO BE POSITIVE, LEAVING NO POCKETS IN FINISHED GRADE. FINISHED GRADING TO SLOPE MINIMUM 1:12 AND ASPHALT TO SLOPE MAX 1:10 AWAY FROM BUILDING UNLESS SHOWN OTHERWISE. NEW GRADES TO MEET EXISTING GRADES FALLING AWAY FROM BUILDING AND FEATHERED OUT EVENLY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ADEQUATE RECORDS OF CONSTRUCTION TO FACILITATE AS-BUILT DRAWINGS.
- COORDINATE ALL WORK NOTED HERE WITH THE SPECIFICATION DOCUMENTS - FOR GENERAL REQUIREMENTS, EXISTING CONDITIONS, EXCAVATION & BACKFILLING, LANDSCAPING, ETC AS REQUIRED FOR COMPLETE SITE RELATED WORK.
- PARK OPEN SPACE SHALL BE RESTORED TO EQUAL OR GREATER CONDITION.
- THE TRAIL SHALL BE STAKED OUT ON SITE DURING CONSTRUCTION WITH STAFF FROM THE CITY'S FORESTRY DEPARTMENT AND PARKS INFRASTRUCTURE PLANNING AND DEVELOPMENT IN ATTENDANCE.
- MULCH TRAIL SHALL BE BUILT ON TOP OF EXISTING GRADING, NO EXCAVATION.

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20	SPA - REVISION #2	2023-10-24
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25	CLIENT REVIEW - 100%	2024-03-12
26	T24-253 - IFT	2024-04-15



FILE NO. SP.22.V.0191

CITY OF VAUGHAN FIRE STATION 7-12

9511 WESTON ROAD, VAUGHAN



THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT.

ARCHITECT
THOMASBROWNARCHITECTS
197 SPADINA AVENUE, SUITE 500 | TORONTO ONTARIO | M5T 2B8

PROFESSIONAL SEAL

DWG TITLE
SITE PLAN & SITE PLAN GENERAL NOTES

ORIENTATION

DATE
2021-11-24

SCALE
As indicated

DRAWN BY
SRL

TENDER

PROJECT No.
2104

DRAWING No.
A2.7

REVISION
26

4 SITE PLAN
1: 250

3 ASPHALT AND CONCRETE PAVEMENT 2-0016 - SUR-1 - ASPHALT AND CONCRETE SURFACES

570 - TOTAL THICKNESS	NDA - HEAVY DUTY ASPHALT	OPSS HL3
	ASPHALT PAVING	OPSS HL8
	BASE	OPSS GRANULAR A BASE
300	SUB-BASE	OPSS GRANULAR B - TYPE II
	570 - TOTAL THICKNESS	
570 - TOTAL THICKNESS	LDA - LIGHT DUTY ASPHALT	OPSS HL3
	ASPHALT PAVING	OPSS HL8
	BASE	OPSS GRANULAR A BASE
300	SUB-BASE	OPSS GRANULAR B - TYPE II
	570 - TOTAL THICKNESS	
550 - TOTAL THICKNESS	JPCP - JOINTED PLAIN CONCRETE PAVEMENT	CONCRETE SLAB ON GRADE - BROOM FINISH
	APRON	REFER TO GEOTECHNICAL REPORT
	BASE	ODGL (OPEN GRADED DRAINAGE LAYER)
200	SUB-BASE	OPSS GRANULAR A BASE
	550 - TOTAL THICKNESS	
275 - TOTAL THICKNESS	SW-1 - SIDEWALK SECTION	CONCRETE SLAB ON GRADE - BROOM FINISH
	SIDEWALK	OPSS GRANULAR A BASE
150	BASE	NOTE: SIDEWALK THICKNESS TO MEET MUNICIPAL REQUIREMENT AT DRIVEWAY ENTRANCES. CONFIRM MUNICIPAL REQUIREMENTS PRIOR TO PROCEEDING
	275 - TOTAL THICKNESS	

NOTES:
1. REFER ALSO TO GEOTECHNICAL REPORT(S) TO CONFIRM LAYER THICKNESSES. REPORT ANY DISCREPANCIES TO THE CONSULTANT PRIOR TO PROCEEDING.
CONCRETE SHALL BE CLASS C2, 32MPa, 5-8% AIR CONTENT WITH A MAX. SLUMP OF 80MM

2024-04-19 10:45:02 AM

NO.	ISSUE OR REVISION	DATE
12	ISSUED FOR 2022 UPDATE	2022-12-20
17	SPA - REVISION	2023-08-30
18	ISSUED FOR PERMIT	2023-09-15
19	ISSUED FOR RFP/Q	2023-10-19
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26	T24-253 - IFT	2024-04-15



FILE NO. SP.22.V.0191

CITY OF VAUGHAN FIRE STATION 7-12

9511 WESTON ROAD, VAUGHAN

PROJECT:

CLIENT:

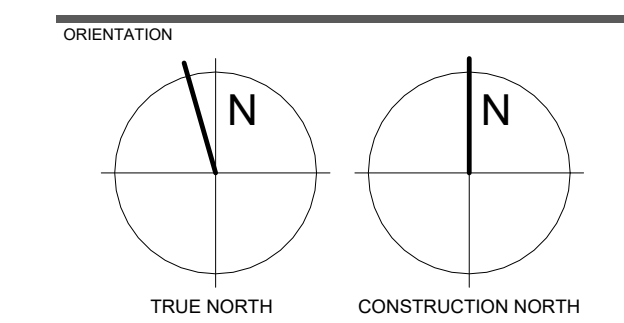


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ARCHITECT
THOMASBROWNARCHITECTS
197 SPADINA AVENUE, SUITE 500 | TORONTO ONTARIO | M5T 2C8

PROFESSIONAL SEAL

DWG TITLE
LAYOUT - SITE PLAN



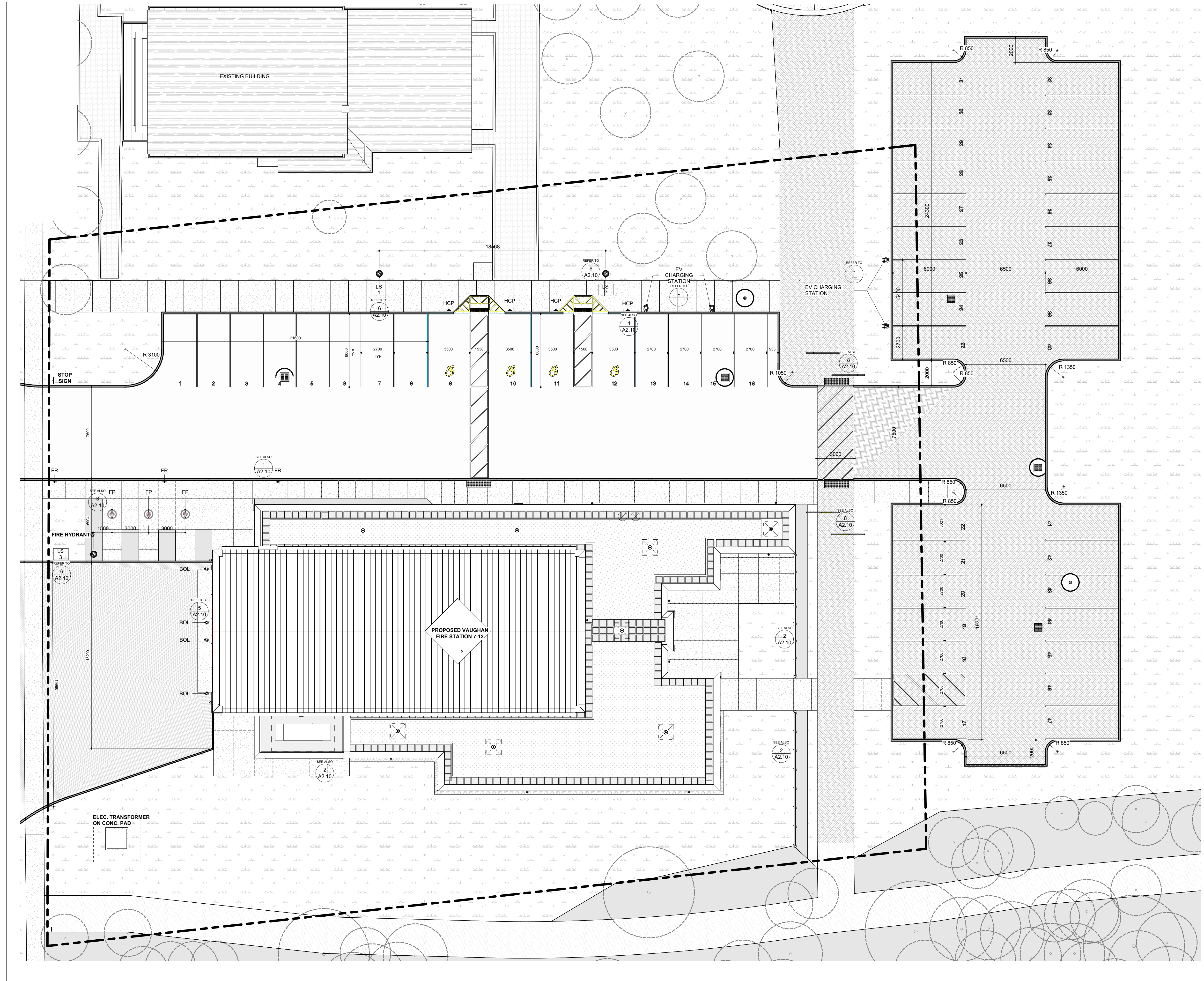
DATE: 2021-11-24

SCALE: As indicated DRAWN BY: SRL

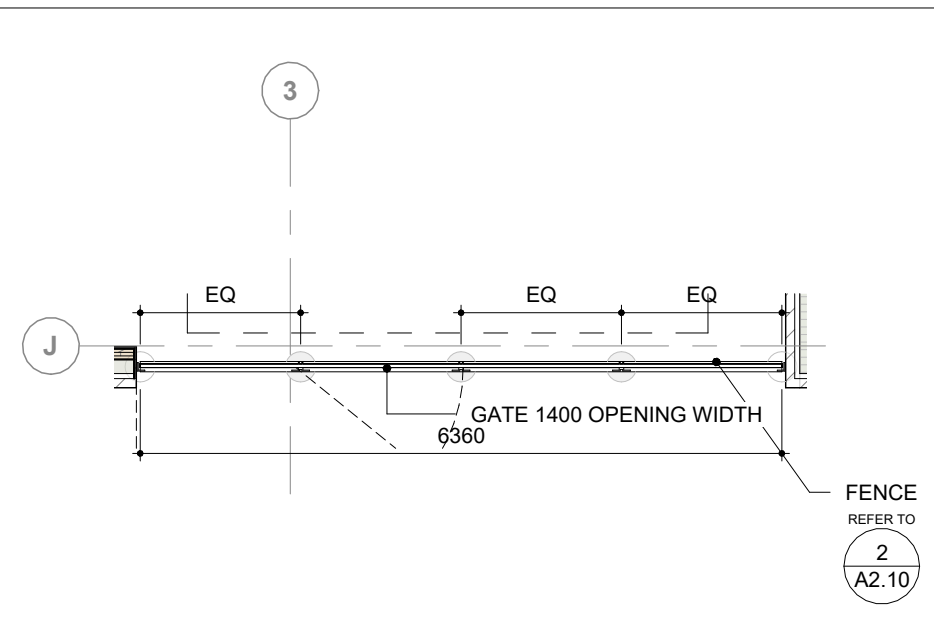
DWG STATUS: TENDER

PROJECT No.: 2104

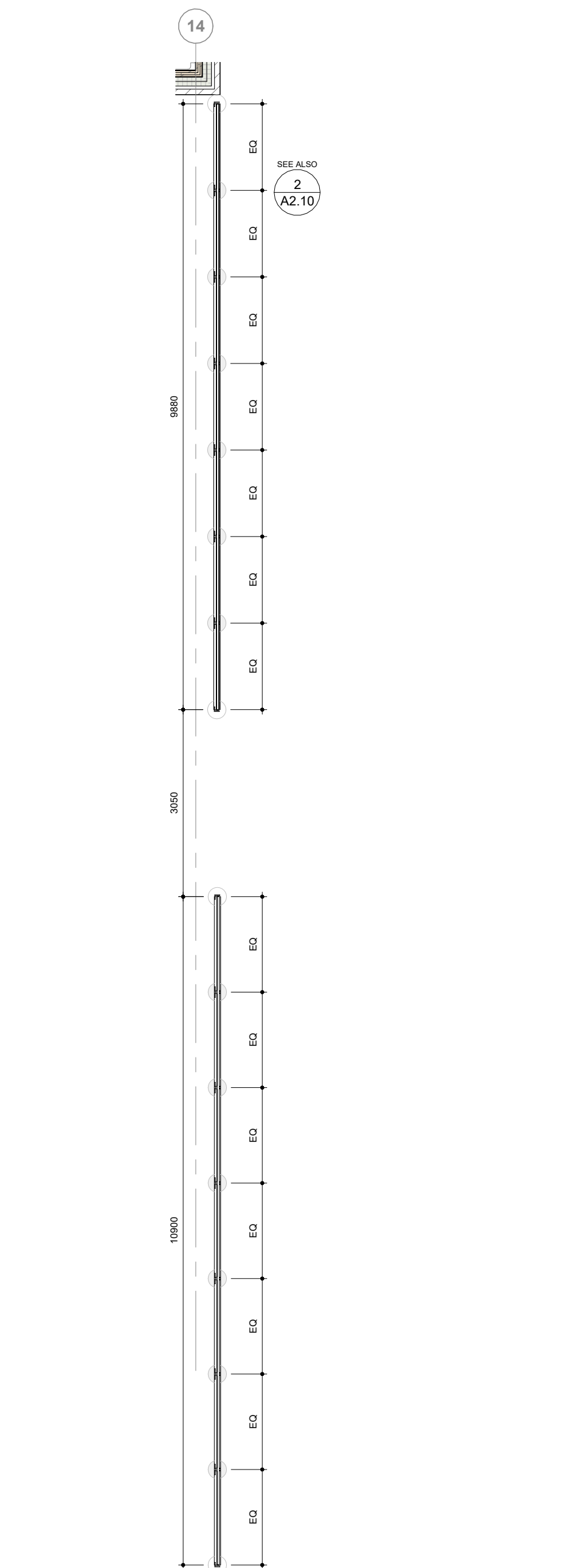
DRAWING No.: **A2.8** REVISION: 26



1 SITE PLAN - LAYOUT PLAN
1:150



2 2 - Floor Plans - FROM - 5/ A3.3
1:75



3 2 - Floor Plans - FROM - 5/ A3.3
1:75

2024-04-19 10:45:12 AM

7 / A2.10 2-0050 - VCS-1 - VEHICLE CHARGING STATION FLO

FRONT VIEW **SIDE VIEW**

VEHICLE CHARGING STATION
BASIS OF DESIGN: CoRe+ Series Level 2 EV Chargers MANUFACTURED BY FLO

NOTES:

- CONCRETE SHALL BE CLASS C2, 32MPa, 5-8% AIR CONTENT WITH A MAX SLUMP OF 80MM
- MOUNTING RODS, NUTS AND WASHERS SUPPLIED BY CHARGING STATION MANUFACTURER. 'CONSUMABLES' AS NOTED IN INSTALLATION GUIDE ARE BY INSTALLER.
- IF STATION IS INSTALLED UNDER SCOPE OF CONTRACT, CUT MOUNTING RODS TO PROVIDE MORE THAN THREE(3), LESS THAN FIVE (5) THREADS EXPOSED BEYOND FACE OF NUT

5 / A2.10 5-0006 - BO-1 - TYPICAL BOLLARD DETAILS

SECTION VIEW **PLAN VIEW**

NOTES:

- ALL STEEL GALVANIZED
- CONCRETE SHALL BE CLASS C2, 32 MPa CONCRETE COMPLETE WITH 5-8% AIR ENTRAINMENT

3 / A2.10 2-0015 - FPB-1 - FLAG POLE BASE

NOTES:

- PRIOR TO PLACEMENT** CONFIRM THAT BASE LOCATION IS BEYOND MINIMUM SETBACKS FROM OVERHEAD WIRES AS FOLLOWS:
A. 400MM FROM LOW VOLTAGE WIRES (I.E. BELL AND CABLE LINES)
B. 610MM FROM HIGH VOLTAGE WIRES (I.E. POWER LINES)
- TOP OF FOUNDATION SHALL BE TROWELED SMOOTH AND LEVEL
- CONCRETE SHALL BE 32 MPa CONCRETE 5-8% AIR ENTRAINED CLASS-C2 EXPOSURE. CAST-IN-PLACE CONCRETE MECHANICALLY VIBRATED AND HAND TAPPED TO ENSURE BEST FINISHED RESULT.
- NOTE: POOR FINISHED RESULTS WILL BE REJECTED AND REPLACED AT NO ADDITIONAL COST TO THE CONTRACT
- PROVIDE 19MM DIA. 3000MM STEEL COPPER COATED GROUND ROD ADJACENT TO POLES AND CONNECT TO METAL POLE WITH BARE COPPER CONDUCTOR. FOUNDATION DEPTH IS BASED ON POLE LENGTH AND SHALL BE IN ACCORDANCE WITH PREFABRICATED CONCRETE FORM MANUFACTURER'S TABLE(S) INCLUDED WITH SUBMITTALS
- FOR A POLE LENGTH OF 12M - BASE BURIAL DEPTH SHALL BE 275M WITH A REINFORCING ROD LENGTH OF H+2.60M.** ALL OTHER POLE LENGTHS - REFER TO MANUFACTURER'S TABLE
- POLE INSTALLATION IS SUBJECT TO SOIL CONDITIONS. INDEPENDENT INSPECTION AND TESTING COMPANY TO CONFIRM SUBGRADE CAPACITY PRIOR TO PLACEMENT.

1 / A2.10 2-0061 - MS - MUNICIPAL SIGNAGE

NOTES:

- STANDARD FONT TYPE IS FUTURA MD BT IN PANTONE 287 C
- WHITE BACKGROUND

POST MOUNTED SIGN - FIXED POST
SIGN FACE
- 1.6mm THICK ALUMINUM SIGN BLANK
- HOLES - METRO PUNCH

MOUNTING
MOUNT SIGN FACE TO POST WITH TWO GALVANIZED 12mm HEX HEAD BOLTS AND NUTS WITH FLAT WASHERS ON BOTH SIDES

POST
75mm dia. GALVANIZED STEEL POST c/w POST CAP IN 300mm dia. CONCRETE FOOTING

ALL SIGNS SHALL BE IN ACCORDANCE WITH MUNICIPAL STANDARDS. CONFIRM PRIOR TO INSTALLATION

12 / A2.10 2-0095 - MS-1 MOWING/SPLASH STRIP - PEA GRAVEL

NOTES:

- 100MM - 15-25 DIA. PEA GRAVEL ON 150 COMPACTED GRANULAR 'A' BASE NON-WOVEN GEOTEXTILE (TERRAFIX 270 OR EQUIVALENT)
- EDGE RESTRAINT SYSTEM STRUCTURED - ALUMINUM HANDSCAPE EGING RESTRAINT INSTALL PER MANUFACTURERS SPECIFICATION
- PROVIDE 1L SAMPLE OF PEA GRAVEL FOR REVIEW PRIOR TO PLACEMENT

6 / A2.10 2-0018 - LSB-HIGH - LIGHT STANDARD HIGH BASE DETAIL

NOTES:

- CAST-IN-PLACE CONCRETE MECHANICALLY VIBRATED AND HAND TAPPED TO ENSURE BEST FINISHED RESULT. TOP OF BASE SHALL BE TROWELED SMOOTH AND LEVEL.
- NOTE: POOR FINISHED RESULTS WILL BE REJECTED AND REPLACED AT NO ADDITIONAL COST TO THE CONTRACT.
- CONCRETE SHALL BE 32MPa, 5-8% AIR ENTRAINED, CLASS-C2 EXPOSURE. MINIMUM OF TWO SLEEVES REQUIRED FOR EACH CONCRETE FOUNDATION. CONTRACTOR TO VERIFY OPENING SIZE IN POLE BASE PLATE PRIOR TO SETTING CONDUIT SLEEVES.
- PROVIDE A 19mm DIAMETER 3000mm STEEL COPPER COATED GROUND ROD ADJACENT TO POLES IN ACCORDANCE WITH ESA AND ANY OTHER AUTHORITIES HAVING JURISDICTION. CONNECT TO METAL POLE WITH BARE COPPER CONDUCTOR.
- IF THERE IS A COMBINATION OF HIGH AND LOW LIGHT STANDARD BASES INDICATED, REDUCE HEIGHT OF LIGHTING POLE AT HIGH BASE INSTALLATIONS BY 350MM TO ENSURE FIXTURE HEIGHT MATCHES FIXTURE HEIGHT OF LOW LIGHT STANDARD. LIGHT POLE HEIGHT MUST BE NOTED ON SUBMITTALS.
- POLE BASE BURIAL DEPTH 'D' SHALL IN BE IN ACCORDANCE WITH TABLE (INSERT). POLE INSTALLATION IS SUBJECT TO SOIL CONDITIONS. INDEPENDENT INSPECTION AND TESTING COMPANY TO CONFIRM SUBGRADE CAPACITY PRIOR TO PLACEMENT.

4 / A2.10 2-0010 - BF-2 - HCP SIGN FIXED POST

NOTES:

- CAST-IN-PLACE CONCRETE MECHANICALLY VIBRATED AND HAND TAPPED TO ENSURE BEST FINISHED RESULT. TOP OF BASE SHALL BE TROWELED SMOOTH AND LEVEL.
- NOTE: POOR FINISHED RESULTS WILL BE REJECTED AND REPLACED AT NO ADDITIONAL COST TO THE CONTRACT.
- CONCRETE SHALL BE 32MPa, 5-8% AIR ENTRAINED, CLASS-C2 EXPOSURE. MINIMUM OF TWO SLEEVES REQUIRED FOR EACH CONCRETE FOUNDATION. CONTRACTOR TO VERIFY OPENING SIZE IN POLE BASE PLATE PRIOR TO SETTING CONDUIT SLEEVES.
- PROVIDE A 19mm DIAMETER 3000mm STEEL COPPER COATED GROUND ROD ADJACENT TO POLES IN ACCORDANCE WITH ESA AND ANY OTHER AUTHORITIES HAVING JURISDICTION. CONNECT TO METAL POLE WITH BARE COPPER CONDUCTOR.
- IF THERE IS A COMBINATION OF HIGH AND LOW LIGHT STANDARD BASES INDICATED, REDUCE HEIGHT OF LIGHTING POLE AT HIGH BASE INSTALLATIONS BY 350MM TO ENSURE FIXTURE HEIGHT MATCHES FIXTURE HEIGHT OF LOW LIGHT STANDARD. LIGHT POLE HEIGHT MUST BE NOTED ON SUBMITTALS.
- POLE BASE BURIAL DEPTH 'D' SHALL IN BE IN ACCORDANCE WITH TABLE (INSERT). POLE INSTALLATION IS SUBJECT TO SOIL CONDITIONS. INDEPENDENT INSPECTION AND TESTING COMPANY TO CONFIRM SUBGRADE CAPACITY PRIOR TO PLACEMENT.

2 / A2.10 2-0030 - TF-1 - TYPICAL FENCE DETAILS

NOTES:

- ALL STEEL GALVANIZED (INCLUDING HINGES AND LATCH). PAINT ALL GALVANIZED STEEL AFTER INSTALLATION TO ENSURE UNIFORM APPEARANCE. PAINT COLOUR TO MATCH GALVANIZED STEEL.
- ENGINEERING STAMPED DRAWING REQUIRED PRIOR TO FABRICATION
- CONCRETE SHALL BE CLASS C2, 32 MPa CONCRETE COMPLETE WITH 5-8% AIR ENTRAINMENT

11 / A2.10 2-0023 - TSG - TRAIL SIGNAGE GRAPHICS

NOTES:

- SCALE: 1:1
- DATE: 2021-11-24
- SCALE: 1:1
- DATE: 2021-11-24

8 / A2.10 2-0020 - PG - P-GATES OFFSET PLACEMENT

NOTES:

- CONCRETE SHALL BE CLASS C2, 32 MPa CONCRETE COMPLETE WITH 5-8% AIR ENTRAINMENT
- STEEL SHALL BE GALVANIZED
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE

9 / A2.10 2-0021 - TSP - TRAIL SIGN POST & INSTALLATION

NOTES:

- CONCRETE SHALL BE CLASS C2, 32 MPa CONCRETE COMPLETE WITH 5-8% AIR ENTRAINMENT
- STEEL SHALL BE GALVANIZED
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE

2 / A2.10 2-0017 - TF-2 - FENCE GATE HINGE AND LATCH DETAILS

NOTES:

- CONCRETE SHALL BE CLASS C2, 32 MPa CONCRETE COMPLETE WITH 5-8% AIR ENTRAINMENT
- STEEL SHALL BE GALVANIZED
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE

10 / A2.10 2-0022 - LS - LIMESTONE SCREENING

NOTES:

- CONCRETE SHALL BE CLASS C2, 32 MPa CONCRETE COMPLETE WITH 5-8% AIR ENTRAINMENT
- STEEL SHALL BE GALVANIZED
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE

8 / A2.10 2-0020 - PG - P-GATES OFFSET PLACEMENT

NOTES:

- CONCRETE SHALL BE CLASS C2, 32 MPa CONCRETE COMPLETE WITH 5-8% AIR ENTRAINMENT
- STEEL SHALL BE GALVANIZED
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE

9 / A2.10 2-0021 - TSP - TRAIL SIGN POST & INSTALLATION

NOTES:

- CONCRETE SHALL BE CLASS C2, 32 MPa CONCRETE COMPLETE WITH 5-8% AIR ENTRAINMENT
- STEEL SHALL BE GALVANIZED
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE

2 / A2.10 2-0017 - TF-2 - FENCE GATE HINGE AND LATCH DETAILS

NOTES:

- CONCRETE SHALL BE CLASS C2, 32 MPa CONCRETE COMPLETE WITH 5-8% AIR ENTRAINMENT
- STEEL SHALL BE GALVANIZED
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE

ISSUE OR REVISION

NO.	ISSUED FOR	DATE
7	SITE PLAN SUBMISSION 1	2022-05-31
10	SPA RE-SUBMISSION	2022-08-30
17	SPA - REVISION	2023-08-30
18	ISSUED FOR PERMIT	2023-09-15
19	ISSUED FOR RFP	2023-10-19
24	ISSUED FOR CLASS A	2024-02-16
26	T24-253 - IFT	2024-04-15



FILE NO. SP.22.V.0191

CITY OF VAUGHAN FIRE STATION 7-12

9511 WESTON ROAD, VAUGHAN



THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF THE WORK. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT.

ARCHITECT
THOMASBROWNARCHITECTS
197 SPADINA AVENUE, SUITE 500 | TORONTO ONTARIO | M5T 2C8

GENERAL SITE DETAILS

DATE: 2021-11-24

SCALE: As indicated DRAWN BY: SRL

DWG TITLE: TENDER

PROJECT No: 2104

DRAWING No: A2.10 REVISION: 26

2024-04-19 10:45:25 AM

NO.	ISSUED FOR	DATE
17	SPA - REVISION	2023-08-30
18	ISSUED FOR PERMIT	2023-09-15
19	ISSUED FOR RFPQ	2023-10-19
24	ISSUED FOR CLASS A	2024-02-16
26	T24-253 - IFT	2024-04-15



FILE NO. SP.22.V.0191

CITY OF VAUGHAN FIRE STATION 7-12

9511 WESTON ROAD, VAUGHAN

PROJECT:

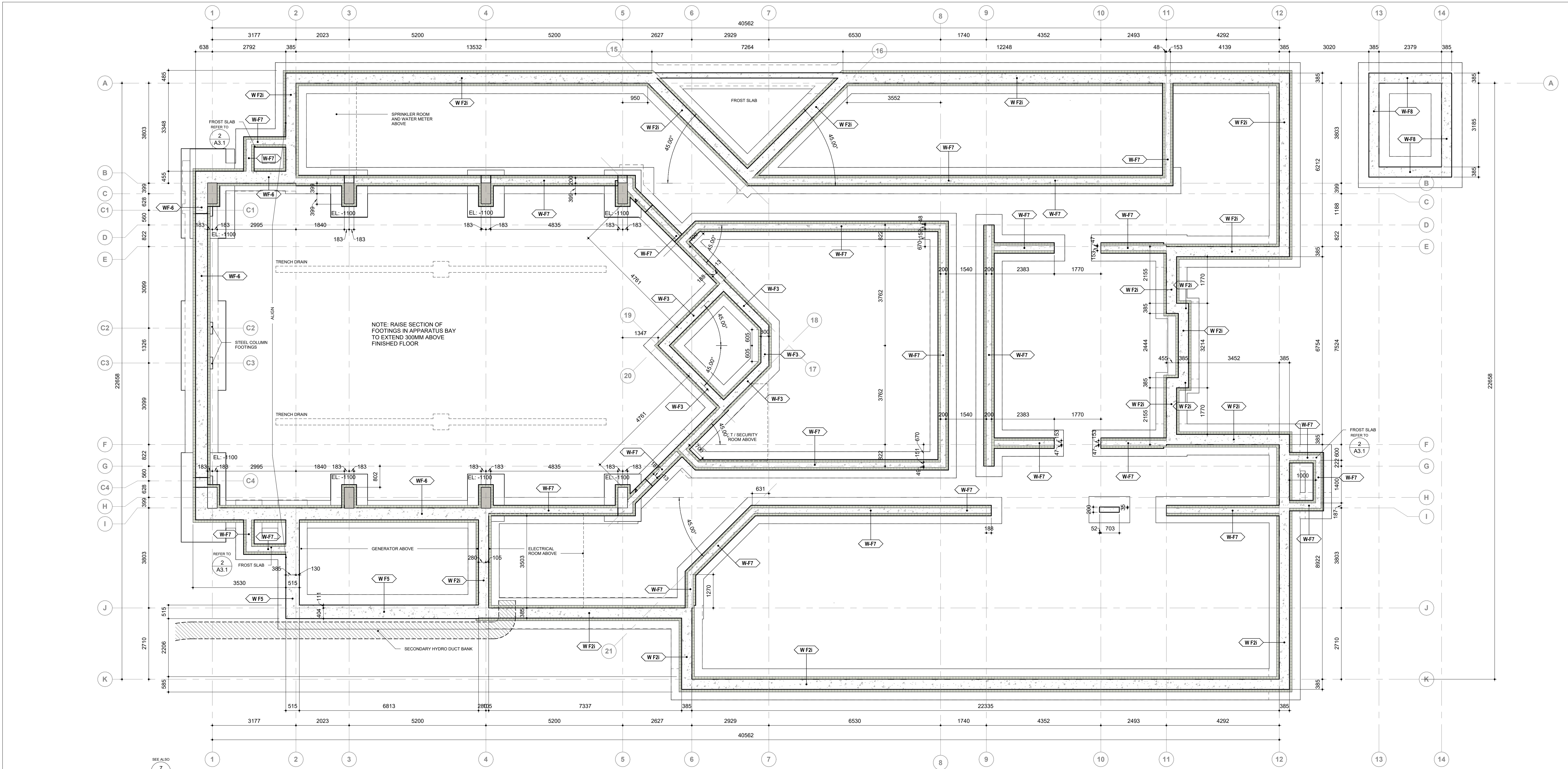
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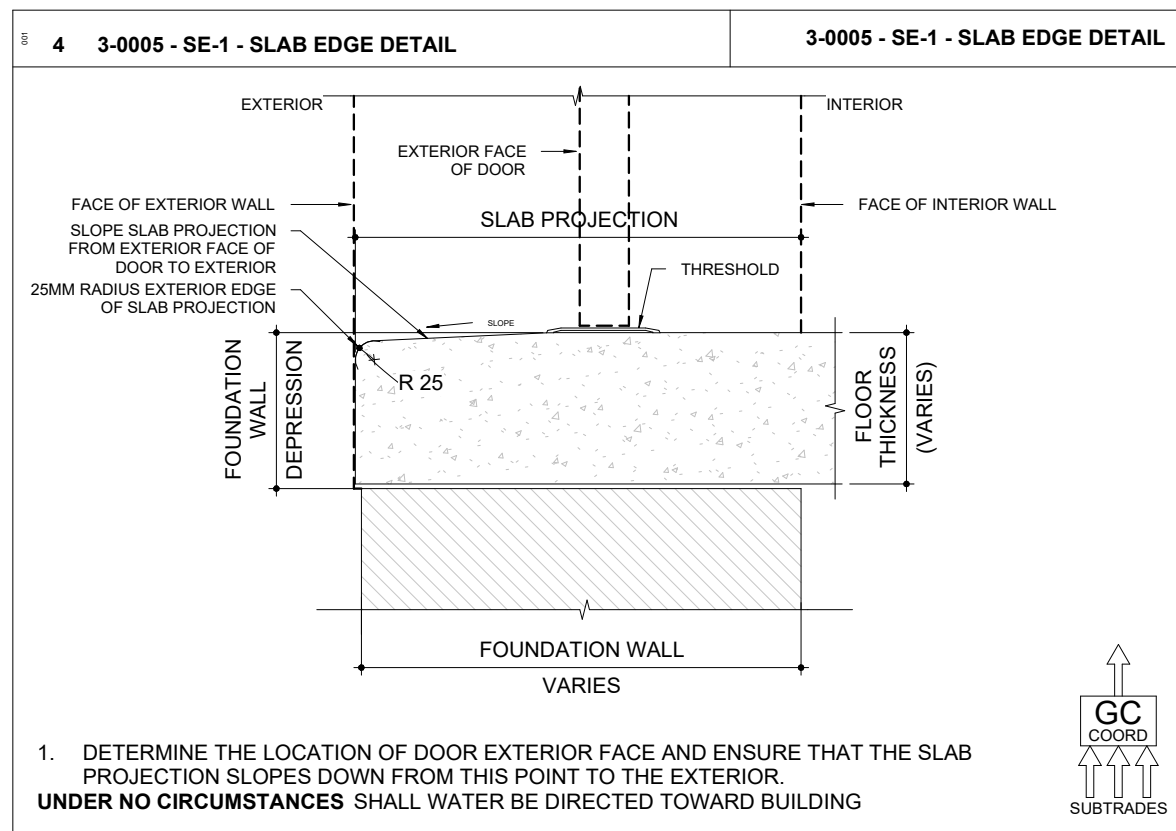
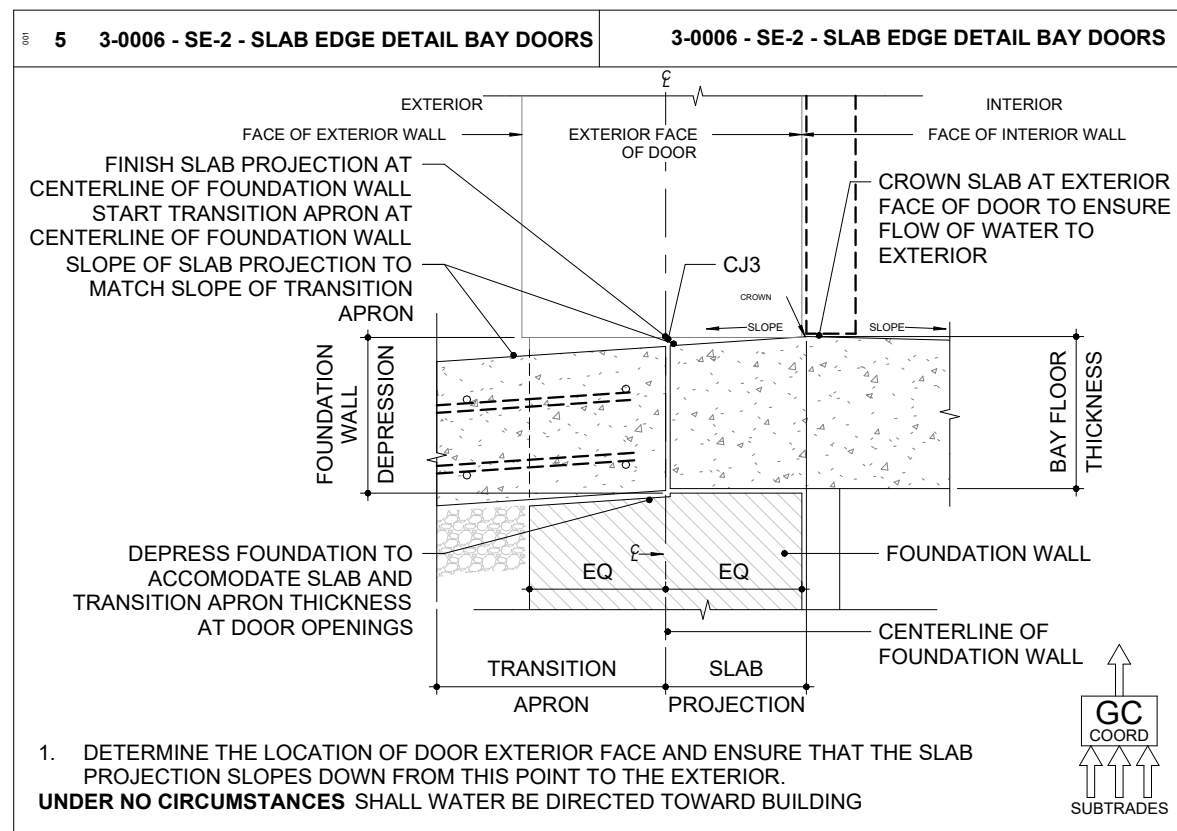
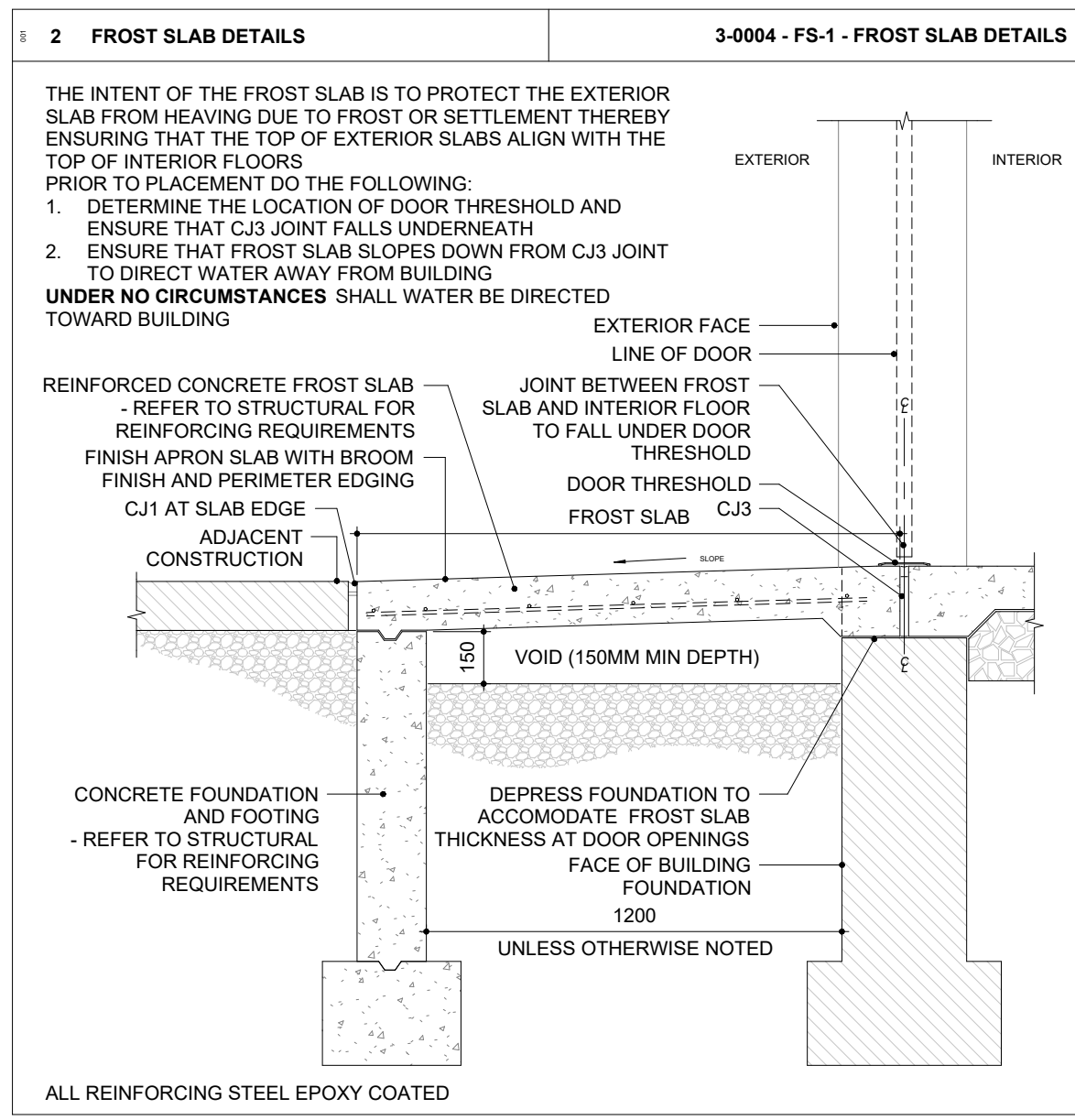
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ARCHITECT
THOMASBROWNARCHITECTS
197 SPADINA AVENUE, SUITE 500 | TORONTO ONTARIO | M5T 2C8

PROFESSIONAL SEAL

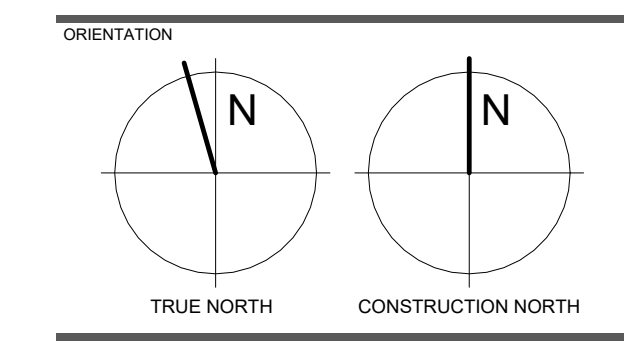


3 GROUND FLOOR - FOUNDATION
1:75
FOR SLAB DEPRESSIONS, FOUNDATION WALL DEPRESSIONS AND SCHEMATIC ROUTING OF UNDERGROUND SERVICES



- 1 GENERAL NOTES - FOUNDATION** A700 GENERAL NOTES - FOUNDATION PLAN
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH FOUNDATION PLANS PREPARED BY THE STRUCTURAL ENGINEER, MECHANICAL AND ELECTRICAL DRAWINGS.
 2. ROUTING OF UNDERGROUND SERVICES IS SCHEMATIC. ALL UNDERGROUND SERVICES SHALL BE INSTALLED IN ACCORDANCE WITH MECHANICAL AND ELECTRICAL DRAWINGS.
 3. PROVIDE SLEEVES FOR ALL PENETRATIONS THROUGH FOUNDATION WALLS WHERE INDICATED AND WHERE REQUIRED (TYP.).
 4. PROVIDE DROPS IN FOUNDATION WALLS WHERE INDICATED AND WHERE REQUIRED AT EXTERIOR OPENINGS, AT DOORS AND OVERHEAD DOORS. EXTEND FLOOR SLABS AT FOUNDATION DROPS TO EXTERIOR FACE OF FOUNDATION WALL. ENSURE SLAB HAS POSITIVE SLOPE TO EXTERIOR FROM EXTERIOR FACE OF DOOR OR OVERHEAD DOOR (TYP.).
 5. TAKE CARE DURING PLACEMENT OF CONCRETE TO MITIGATE FACTORS THAT CONTRIBUTE TO SURFACE DEFECTS. ENSURE FACE OF FOUNDATION WALLS THAT WILL REMAIN EXPOSED (TYPICALLY 300MM MINIMUM) IS FREE OF HONEYCOMBING OR OTHER SURFACE DEFECTS.
 6. ENSURE FACE OF FOUNDATION WALLS THAT ABUT AN ADJACENT CONCRETE SLAB OR SIDEWALK ARE SMOOTH TO ENSURE TIGHT PLACEMENT OF EXPANSION JOINT OR EXPANSION JOINT CAP AND CAULKED JOINT. SCRAPE OR GRIND AS REQUIRED.

DWG TITLE
FOUNDATION PLAN



DATE: 2021-11-24
SCALE: As indicated DRAWN BY: SRL
DWG STATUS: TENDER
PROJECT No: 2104
DRAWING No: A3.1 REVISION: 26

2024-04-19 10:45:28 AM

NO.	ISSUED FOR	DATE
12	2022 UPDATE	2022-12-20
17	SPA - REVISION	2023-08-30
18	ISSUED FOR PERMIT	2023-09-15
19	ISSUED FOR RFP/Q	2023-10-19
24	ISSUED FOR CLASS A	2024-03-18
26	T24-253 - IFT	2024-04-15



FILE NO. SP.22.V.0191

CITY OF VAUGHAN FIRE STATION 7-12

9511 WESTON ROAD, VAUGHAN

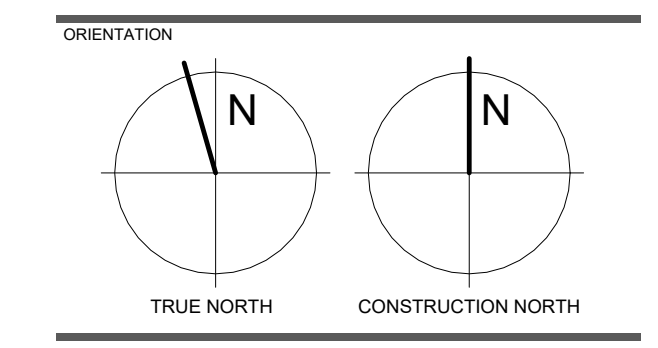


THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF THE WORK. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT.

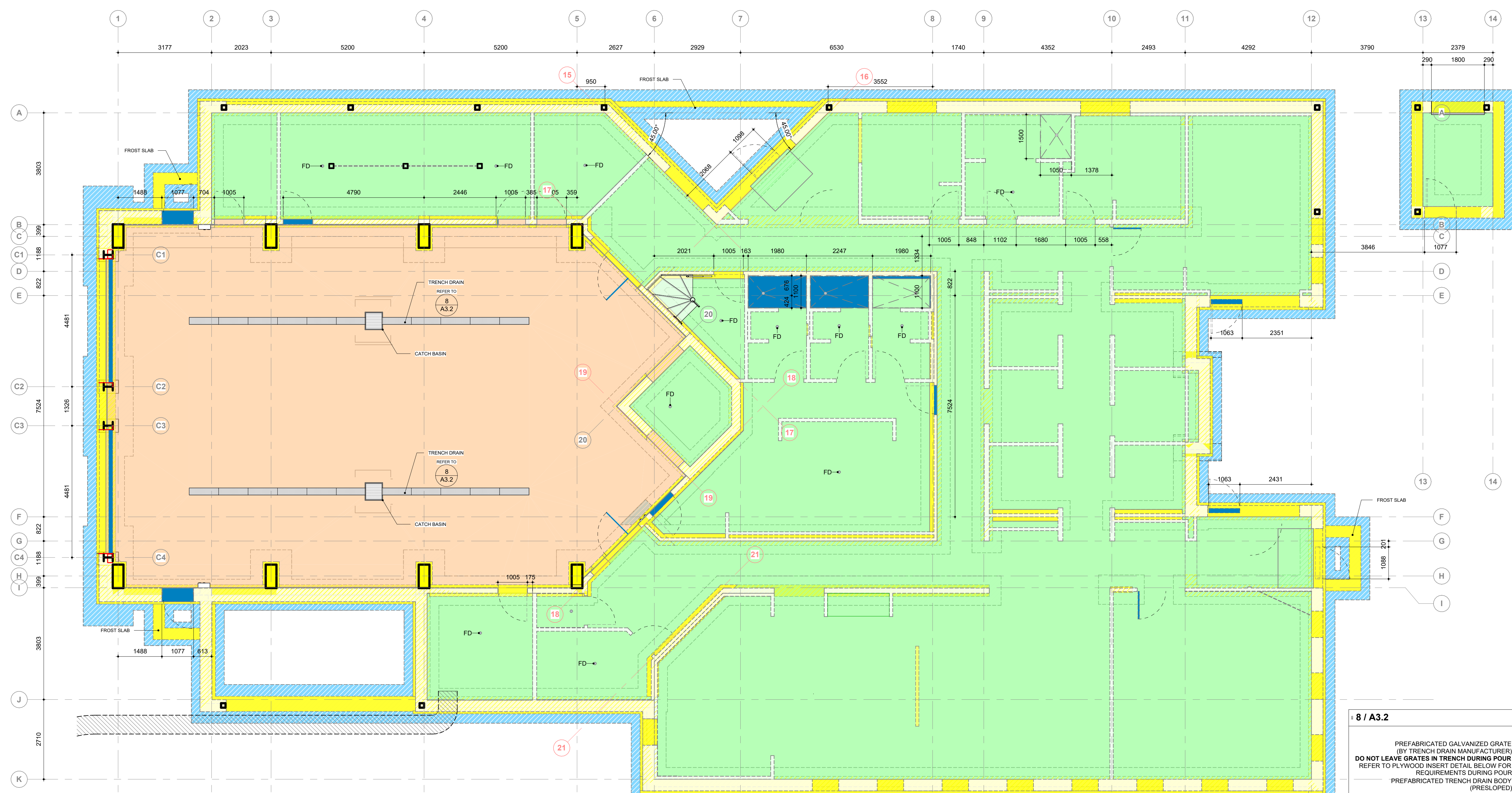
ARCHITECT
THOMASBROWNARCHITECTS
197 SPADINA AVENUE, SUITE 500 | TORONTO ONTARIO | M5T 2C8

PROFESSIONAL SEAL

LAYOUT - FOUNDATION & GROUND FLOOR

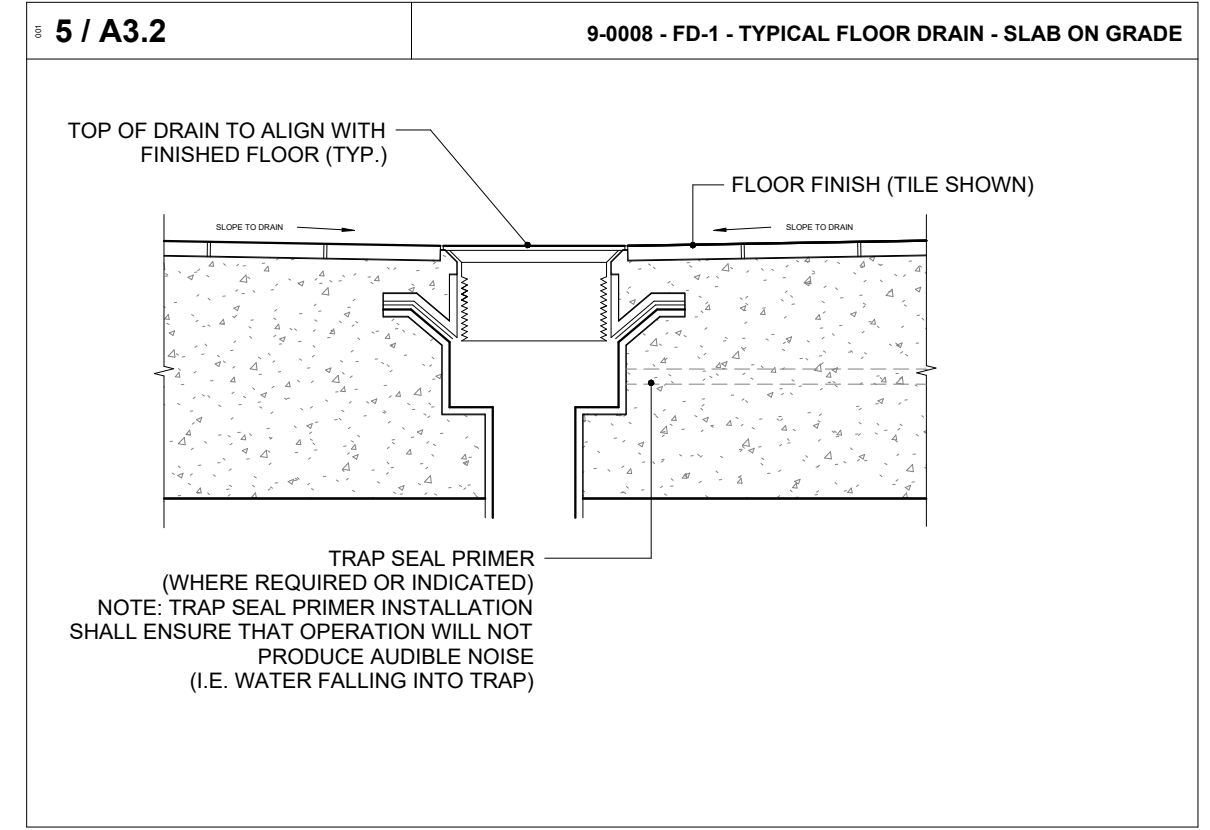
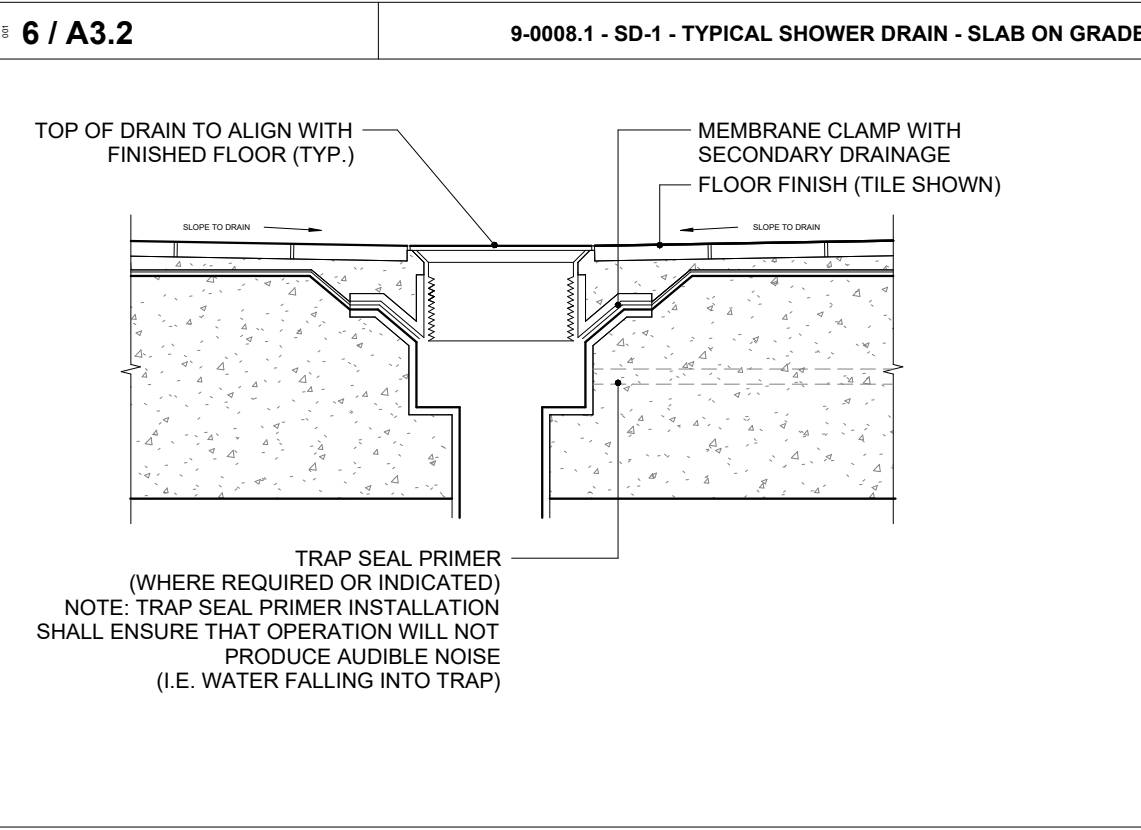
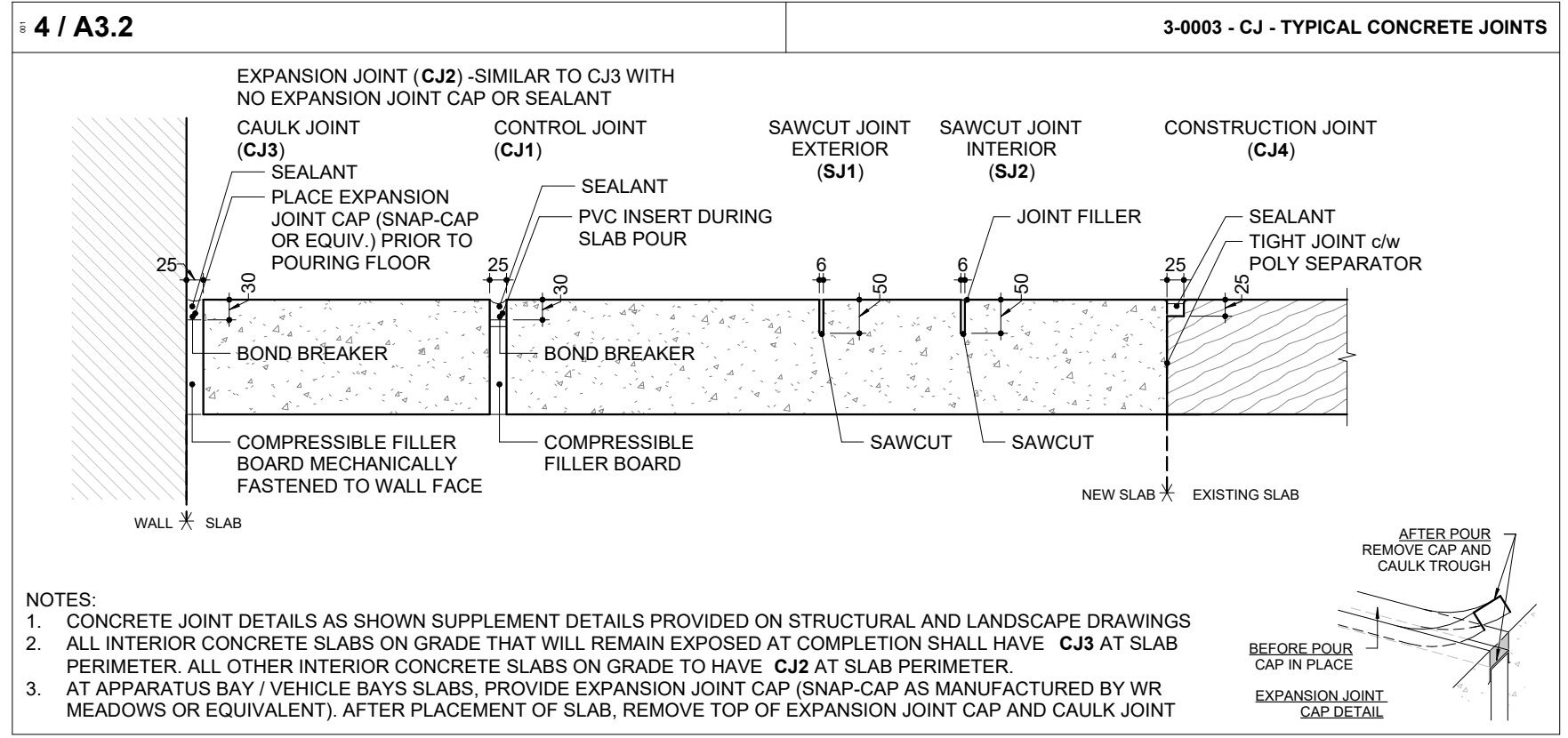


DATE: 2021-11-24
SCALE: As indicated
DRAWN BY: SRL
PROJECT NO.: 2104
DRAWING NO.: A3.2
REVISION: 26

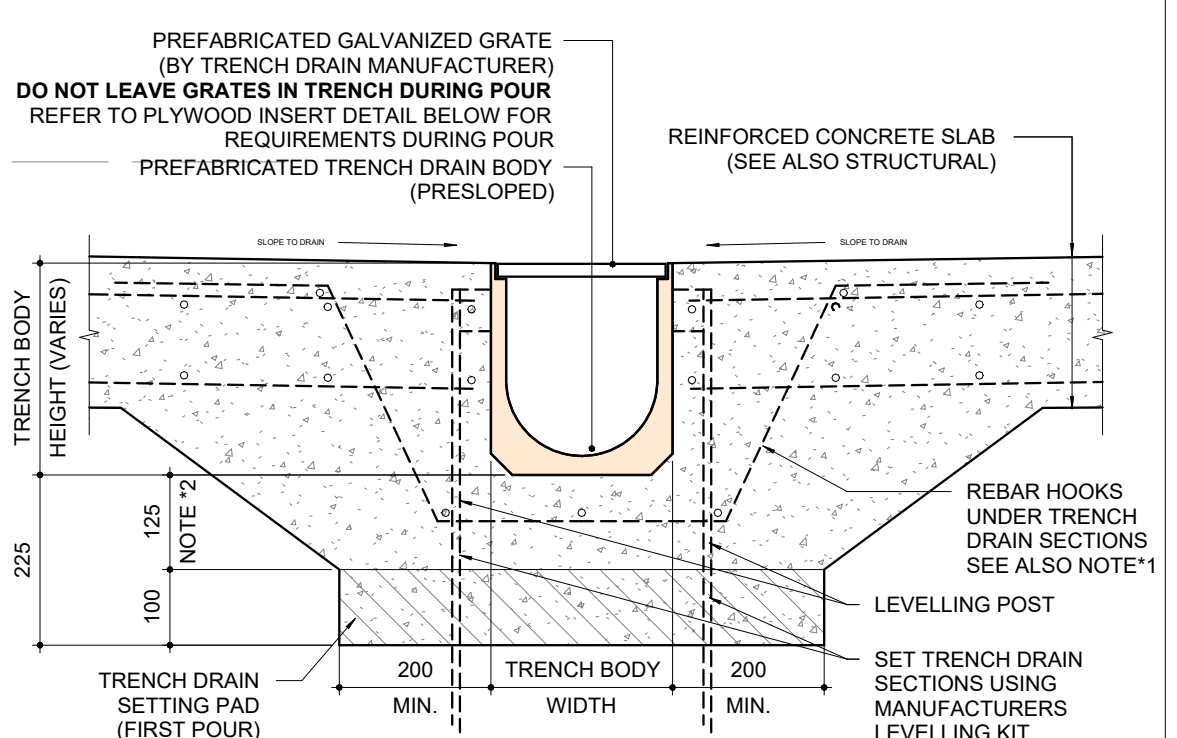


- LA SERIES LEGEND**
- IDENTIFICATION
- SHADING INDICATES SLAB ON GRADE
 - SHADING INDICATES FLOOR SLAB ON GRADE - APPARATUS BAY
 - SHADING INDICATES FOUNDATION WALLS
 - SHADING INDICATES FOOTINGS
 - SHADING INDICATES SLAB AND FOUNDATION WALL DEPRESSIONS
 - SHADING INDICATES PROPOSED UIG SERVICE ROUTES (SCHEMATIC)

7 LAYOUT PLAN - FOUNDATION & GROUND FLOOR
1:75



8 / A3.2 10-0001 - TD-1 - TRENCH DRAIN DETAIL



- DETAIL: PLYWOOD INSERT DURING SLAB PLACEMENT (REMOVE GRATES)
- NOTES:
- SHOP DRAWING REQUIRED PRIOR TO FABRICATION
 - SEAL JOINTS IN TRENCH DRAIN PER MANUFACTURERS RECOMMENDATION
 - ENSURE CONTINUITY OF REINFORCING FROM ADJACENT SLABS THROUGH TRENCH DRAIN SETTING PAD
 - REMOVE GRATES AND INSERT 19MM PLYWOOD c/w WASHER SPACERS DURING POUR. DRAIN BODY FROM DAMAGE AND OR DEFLECTION DURING SLAB PLACEMENT

2024-04-19 10:45:33 AM

NO.	ISSUED FOR	DATE
7	SITE PLAN SUBMISSION 1	2022-08-30
10	SPA RE-SUBMISSION	2022-08-30
17	SPA - REVISION	2023-08-30
18	ISSUED FOR PERMIT	2023-09-15
19	ISSUED FOR REFQ	2023-10-19
24	ISSUED FOR CLASS A	2024-02-16
25	CLIENT REVIEW - 100%	2024-03-12
26	T24-253 - IFT	2024-04-15



FILE NO. SP.22.V.0191

CITY OF VAUGHAN FIRE STATION 7-12

9511 WESTON ROAD, VAUGHAN



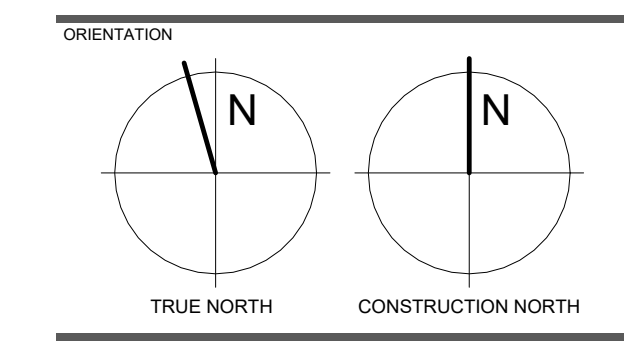
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ARCHITECT
THOMASBROWNARCHITECTS
197 SPADINA AVENUE, SUITE 500 | TORONTO ONTARIO | M5T 2C8

PROFESSIONAL SEAL

DWG TITLE

GROUND FLOOR PLAN - GENERAL ARRANGEMENT



DATE: 2021-11-24

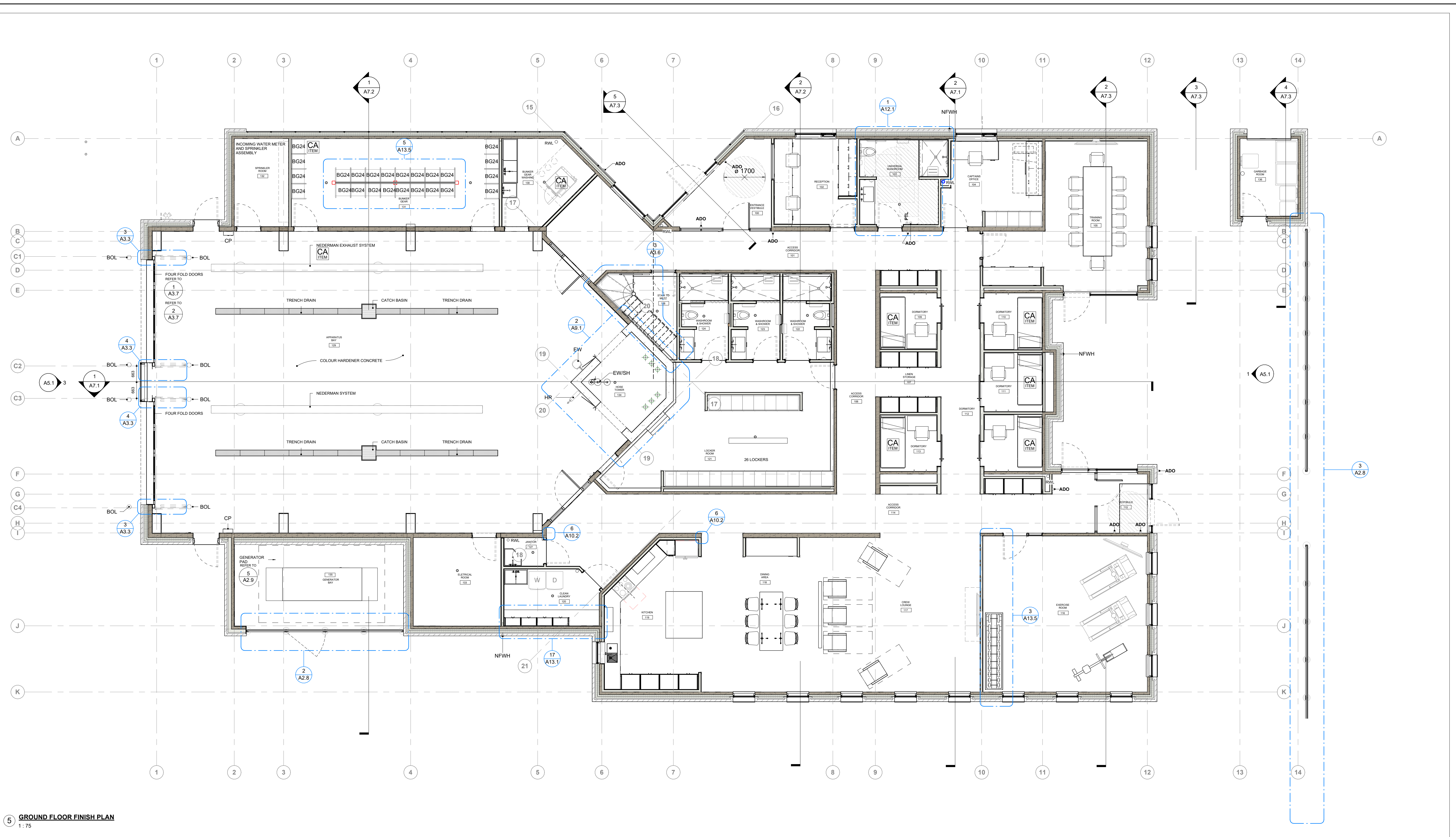
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DWG STATUS: TENDER

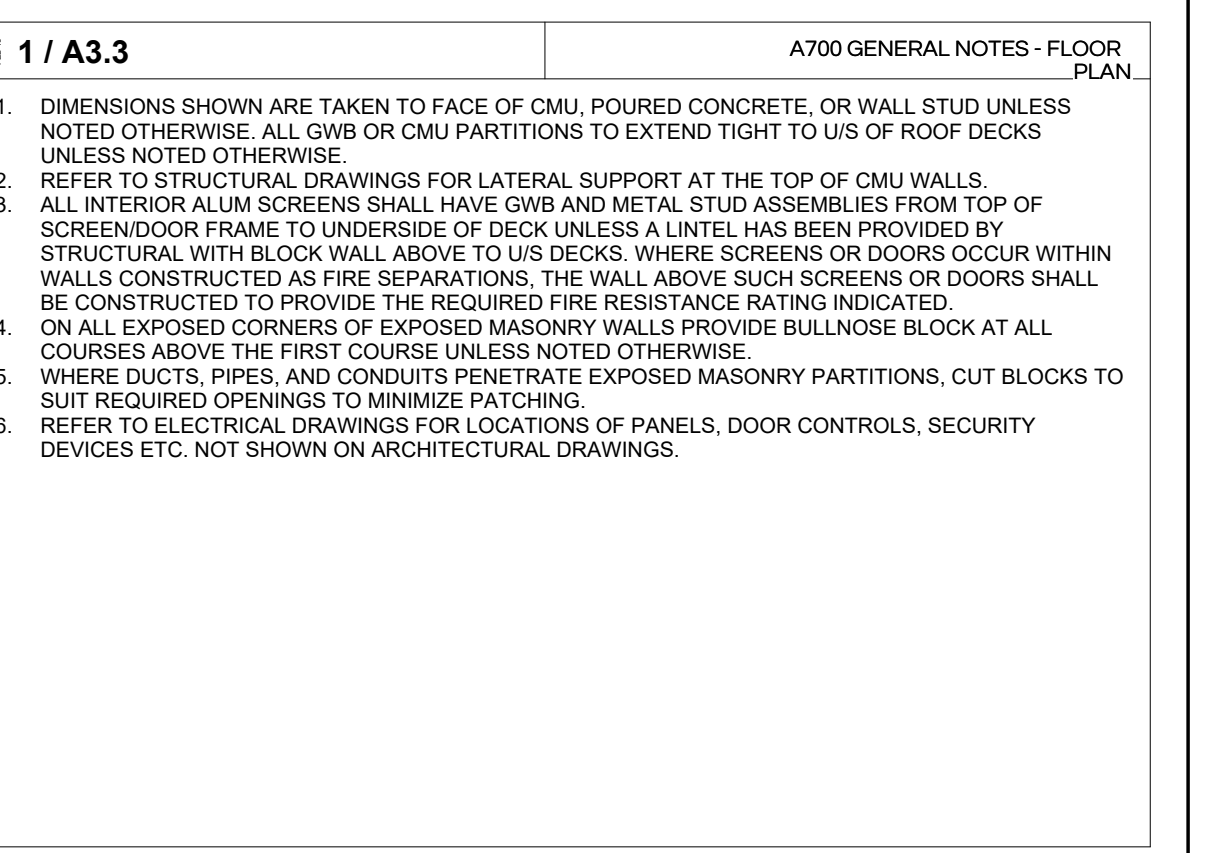
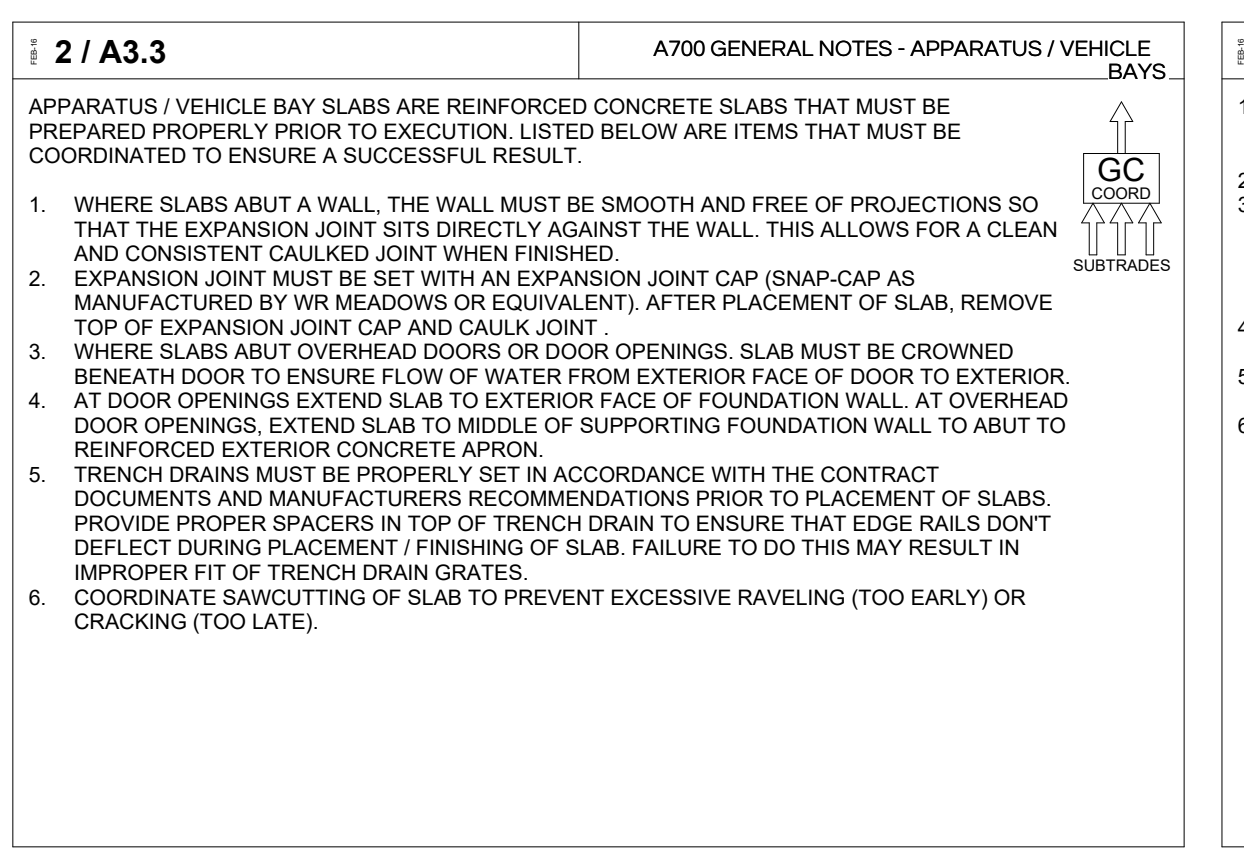
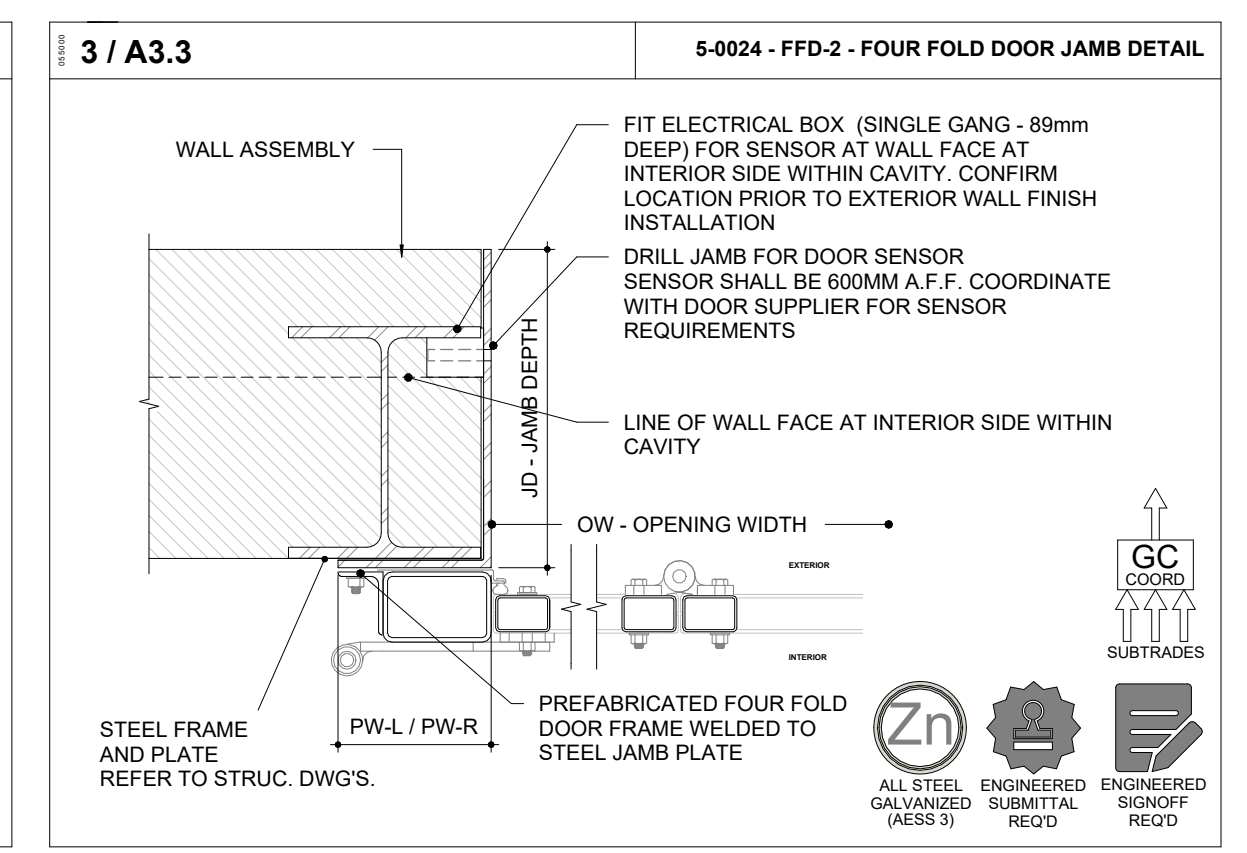
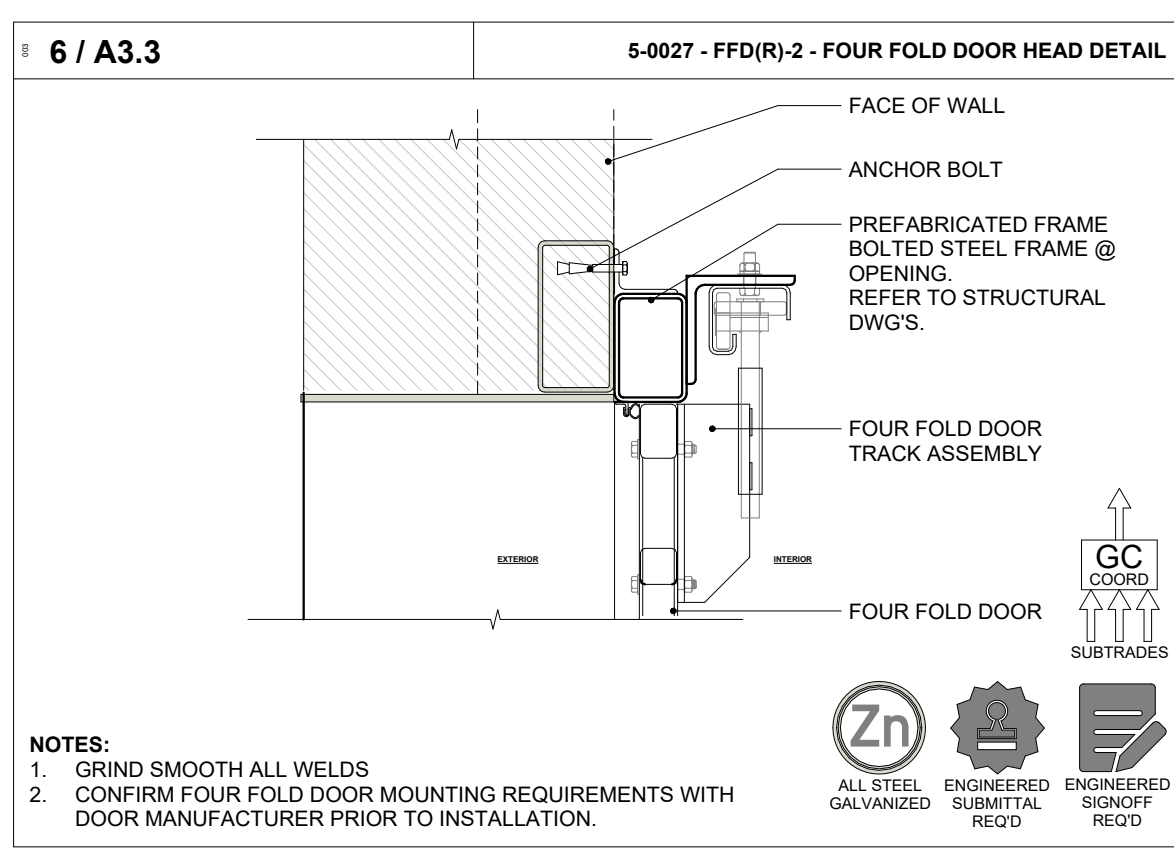
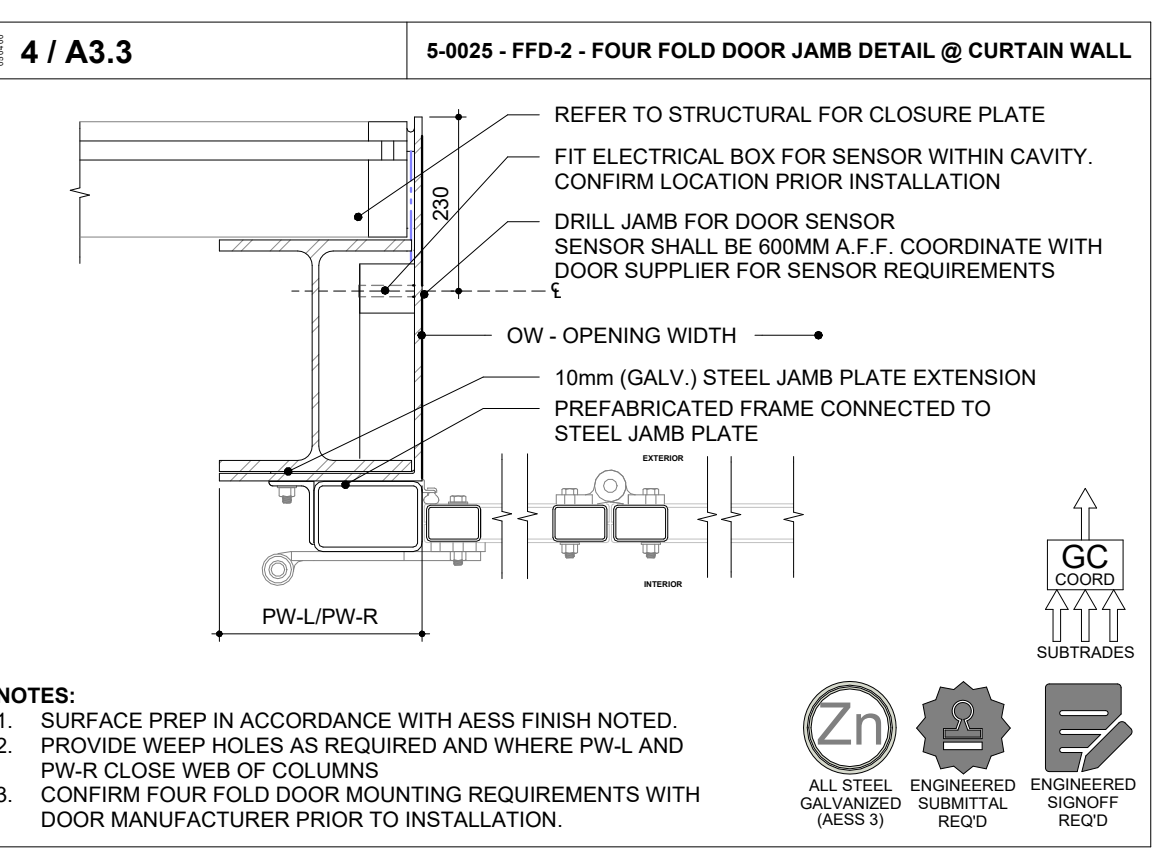
PROJECT No: 2104

DRAWING No: **A3.3**

REVISION: 26



5 GROUND FLOOR FINISH PLAN
1:75



2024-04-19 10:45:41 AM

NO.	ISSUE OR REVISION	DATE
17	ISSUED FOR SPA - REVISION	2023-08-30
18	ISSUED FOR PERMIT	2023-09-15
19	ISSUED FOR RFPQ	2023-10-19
24	ISSUED FOR CLASS A	2024-02-16
25	CLIENT REVIEW - 100%	2024-03-12
26	T24-253 - IFT	2024-04-15



FILE NO. SP.22.V.0191

CITY OF VAUGHAN FIRE STATION 7-12

9511 WESTON ROAD, VAUGHAN

PROJECT:

CLIENT:



THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF THE WORK. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT.

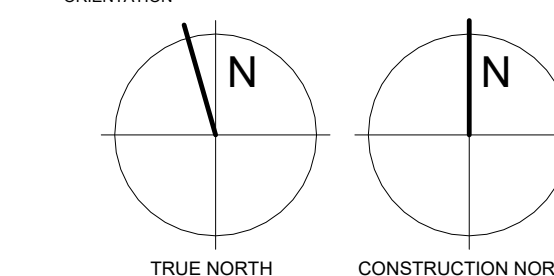
ARCHITECT
THOMASBROWNARCHITECTS
197 SPADINA AVENUE, SUITE 500 | TORONTO ONTARIO | M5T 2C8

PROFESSIONAL SEAL

DWG TITLE

**GROUND FLOOR -
WALL AND WINDOW
LAYOUT**

ORIENTATION



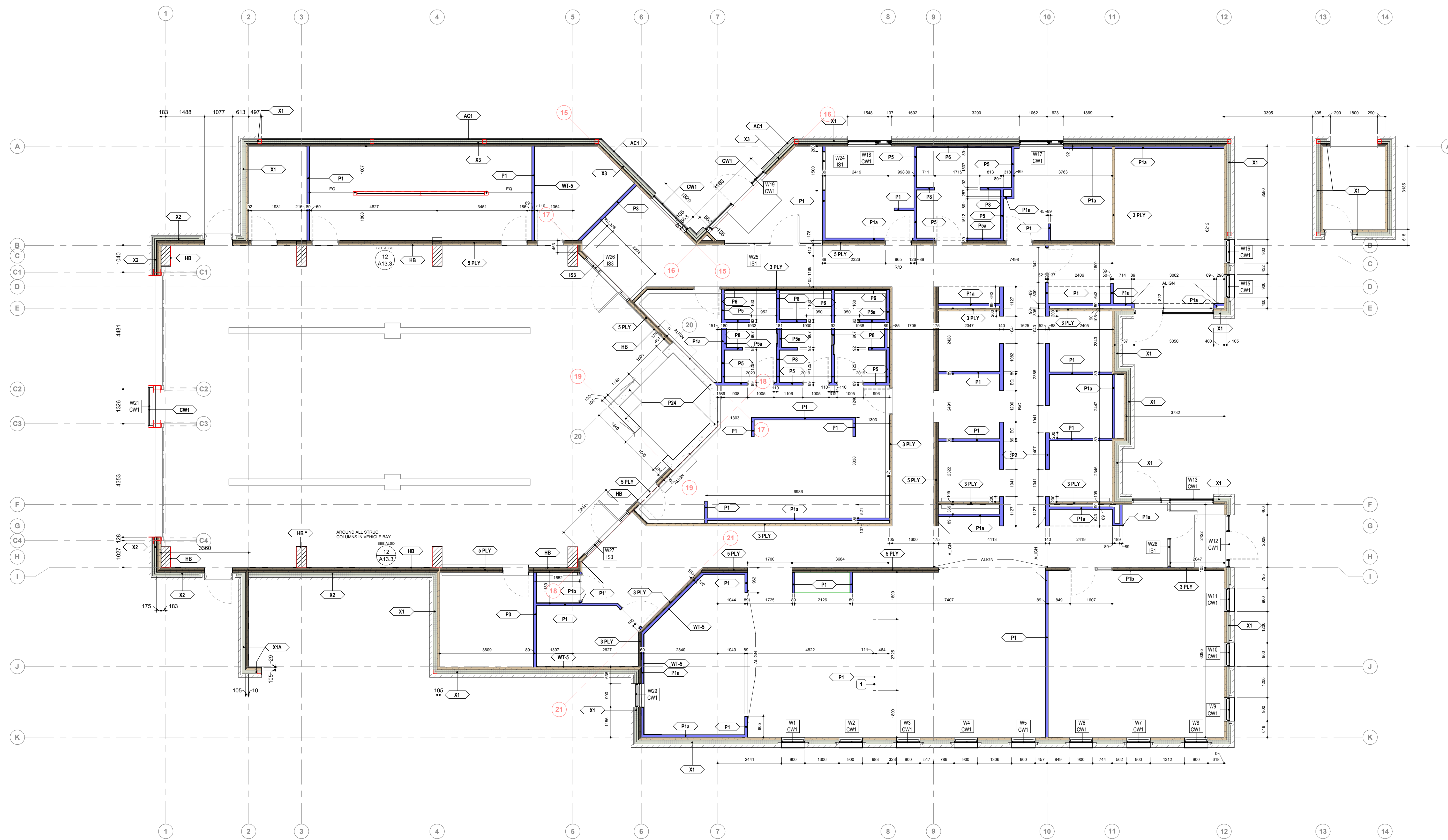
DATE: 2021-11-24

SCALE: As indicated DRAWN BY: SRL

DWG STATUS: TENDER

PROJECT No. 2104

DRAWING No. **A3.4** REVISION 26



2 GROUND FLOOR - INTERIOR PARTITION LAYOUT
1:75

FLOOR PLAN - INTERIOR PARTITION LAYOUT NOTES

NUMBER	NOTE
1	AFF TO 1100 MM C/W SOLID SURFACE SILL

LA SERIES LEGEND

IDENTIFICATION

- SHADING INDICATES FLOORS
- SHADING INDICATES FLOOR - COM SLAB
- SHADING INDICATES ROOF DECK

DIMENSIONING AND DETAILING

- SHADED WALLS ARE DIMENSIONED TO FACE OF STUD
- INDICATES SLAB OR FOUNDATION WALL DEPRESSIONS
- INDICATES ROOF DIVIDERS AND/OR FRAMED UPSTANDS WHERE ROOF DECK ABUTS VERTICAL WALL

1 GENERAL NOTES - LA SERIES

A700 GENERAL NOTES - LA SERIES

- LA SERIES DRAWINGS HAVE BEEN FILTERED OR SIMPLIFIED TO DEMONSTRATE A PARTICULAR DETAIL OR RELATIONSHIP. THEY ARE NOT INTENDED TO SHOW THE COMPLETE SCOPE OF WORK. **IN NO WAY WILL THESE DRAWINGS BE USED AS THE BASIS TO CLAIM A REDUCTION IN PROJECT SCOPE.**
- LA SERIES DRAWINGS MUST BE READ IN CONJUNCTION WITH ALL CONTRACT DOCUMENTS TO DETERMINE THE FULL SCOPE OF WORK.
- IN PREPARATION OF SUBMITTALS, DIMENSIONS SHALL BE TIED TO GRIDLINE REFERENCES TO FACILITATE REVIEW.

2024-04-19 10:45:46 AM

NO.	ISSUED FOR	DATE
14	GEOTHERMAL ROUTE TO MEZZ	2023-03-22
17	SPA - REVISION	2023-08-30
18	ISSUED FOR PERMIT	2023-09-15
19	ISSUED FOR RFP Q	2023-10-19
24	ISSUED FOR CLASS A	2024-02-16
25	CLIENT REVIEW - 100%	2024-03-12
26	T24-253 - IFT	2024-04-15



FILE NO. SP.22.V.0191

CITY OF VAUGHAN FIRE STATION 7-12

9511 WESTON ROAD, VAUGHAN

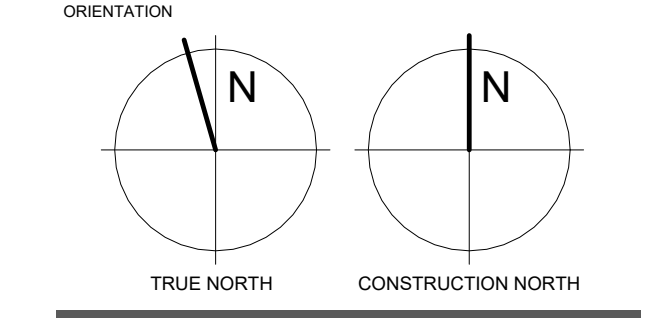


THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF THE WORK. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT.

ARCHITECT
THOMASBROWNARCHITECTS
197 SPADINA AVENUE, SUITE 500 | TORONTO ONTARIO | M5T 2C8

PROFESSIONAL SEAL

MEZZANINE PLAN - GENERAL ARRANGEMENT, WALL AND WINDOW LAYOUT



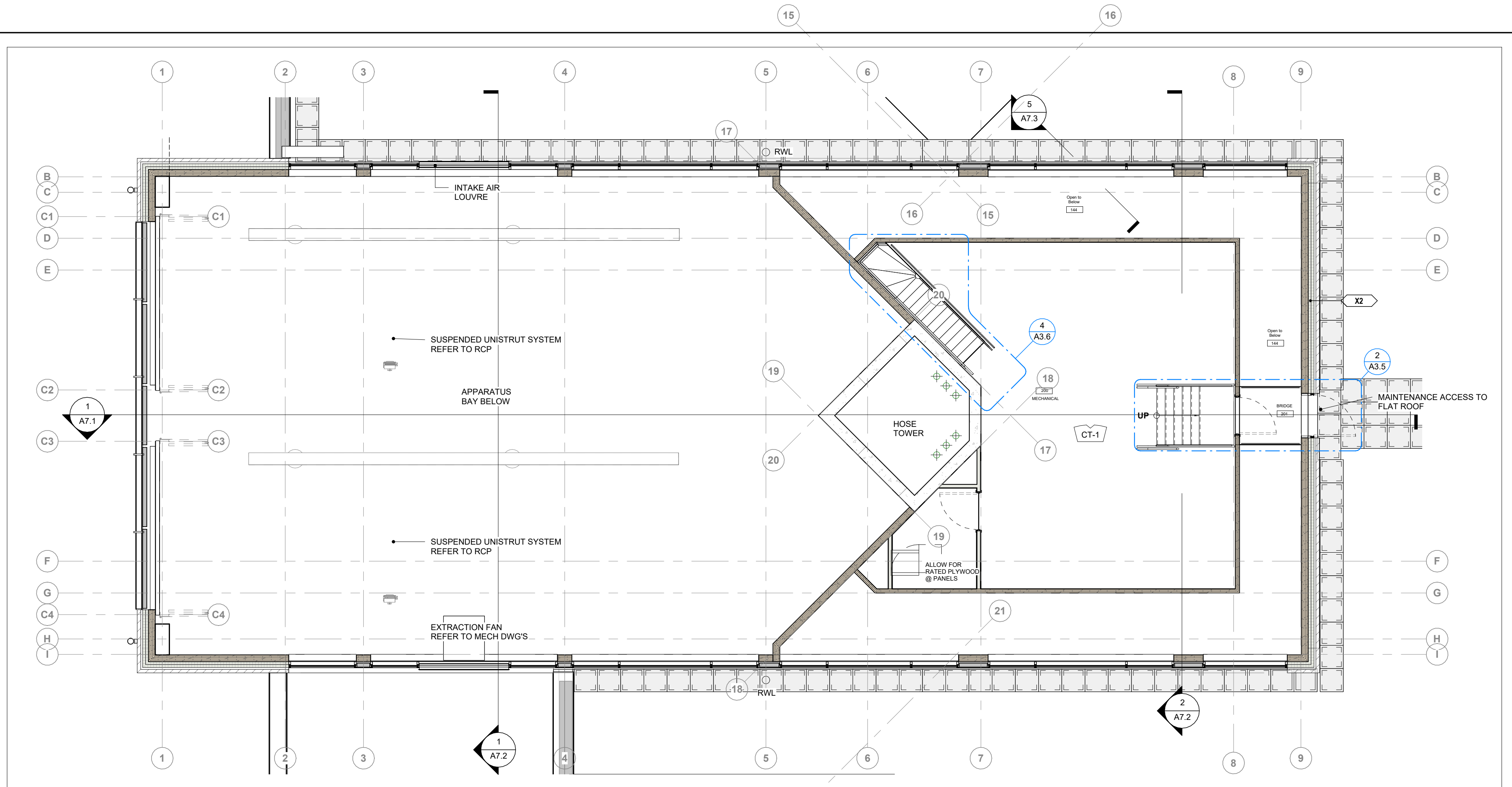
DATE 2021-11-24

SCALE As indicated DRAWN BY SRL

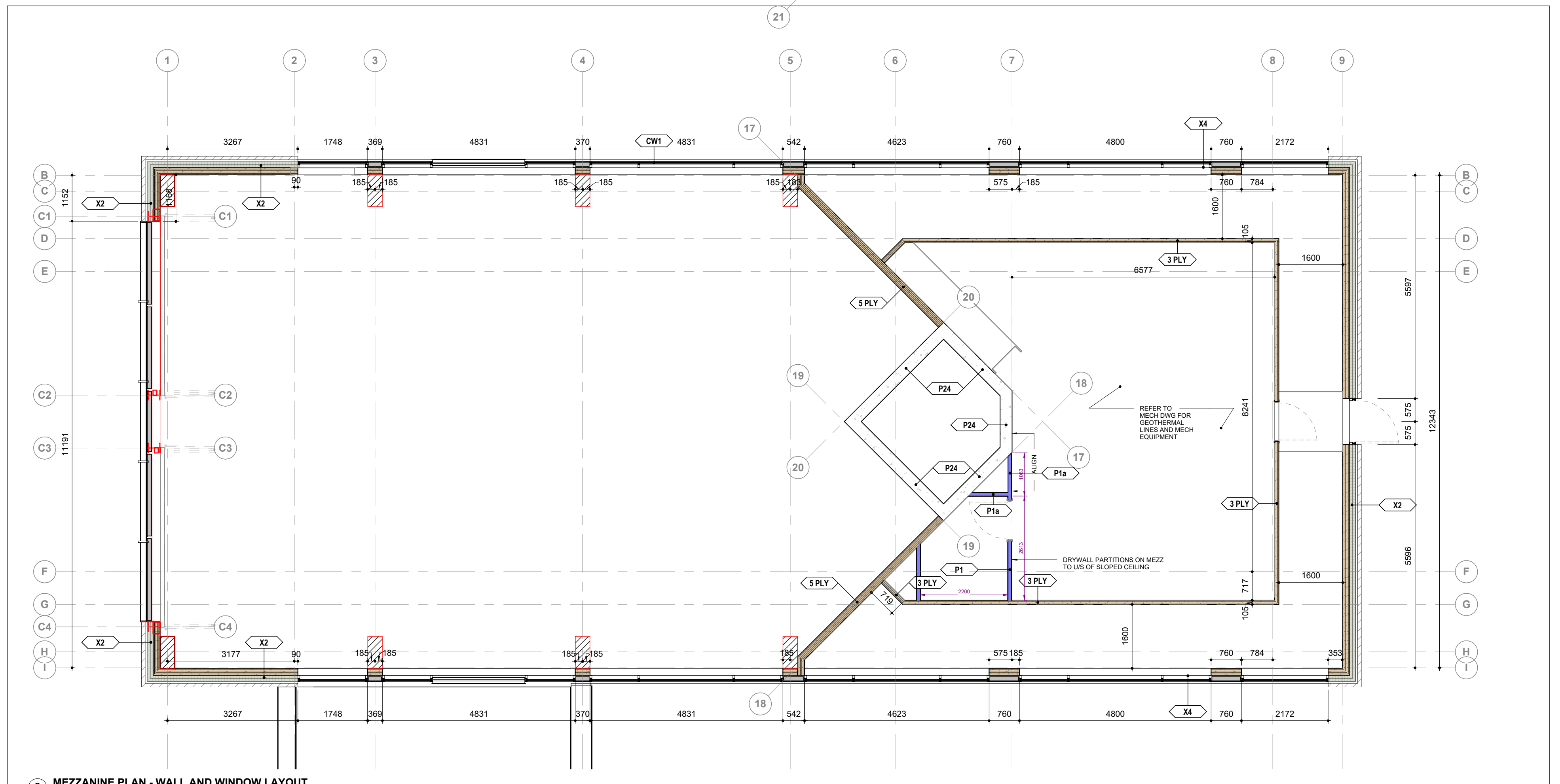
DWG STATUS: TENDER

PROJECT No. 2104

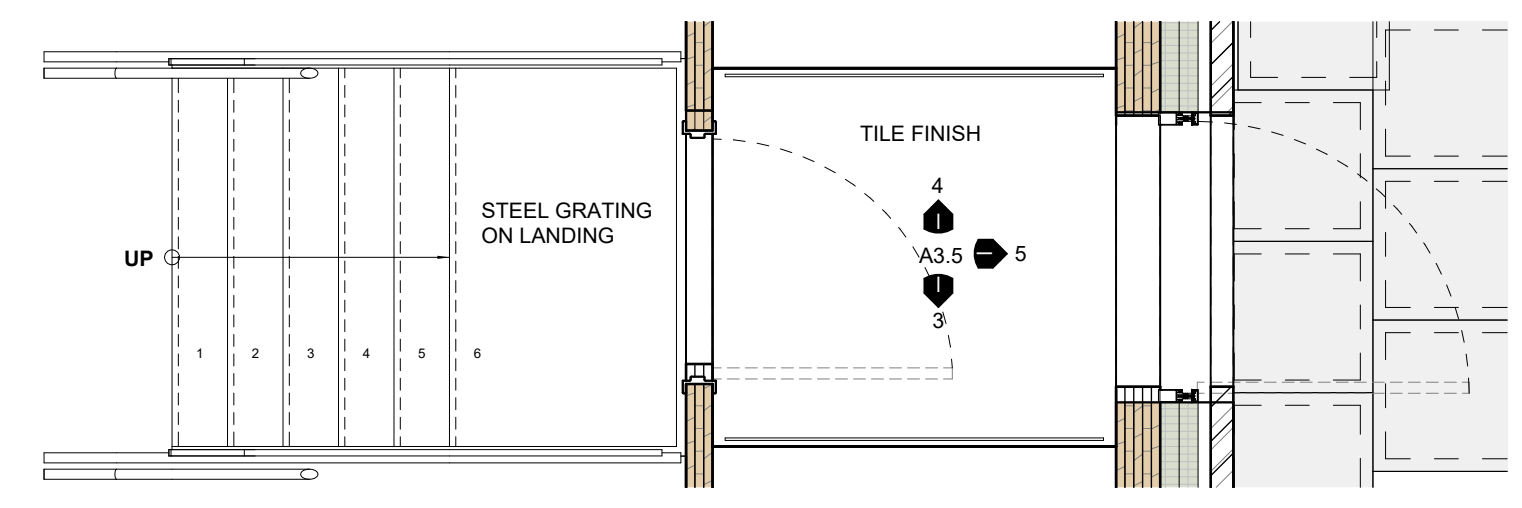
DRAWING No. **A3.5** REVISION 26



1 MEZZANINE PLAN - GENERAL ARRANGEMENT
1:75

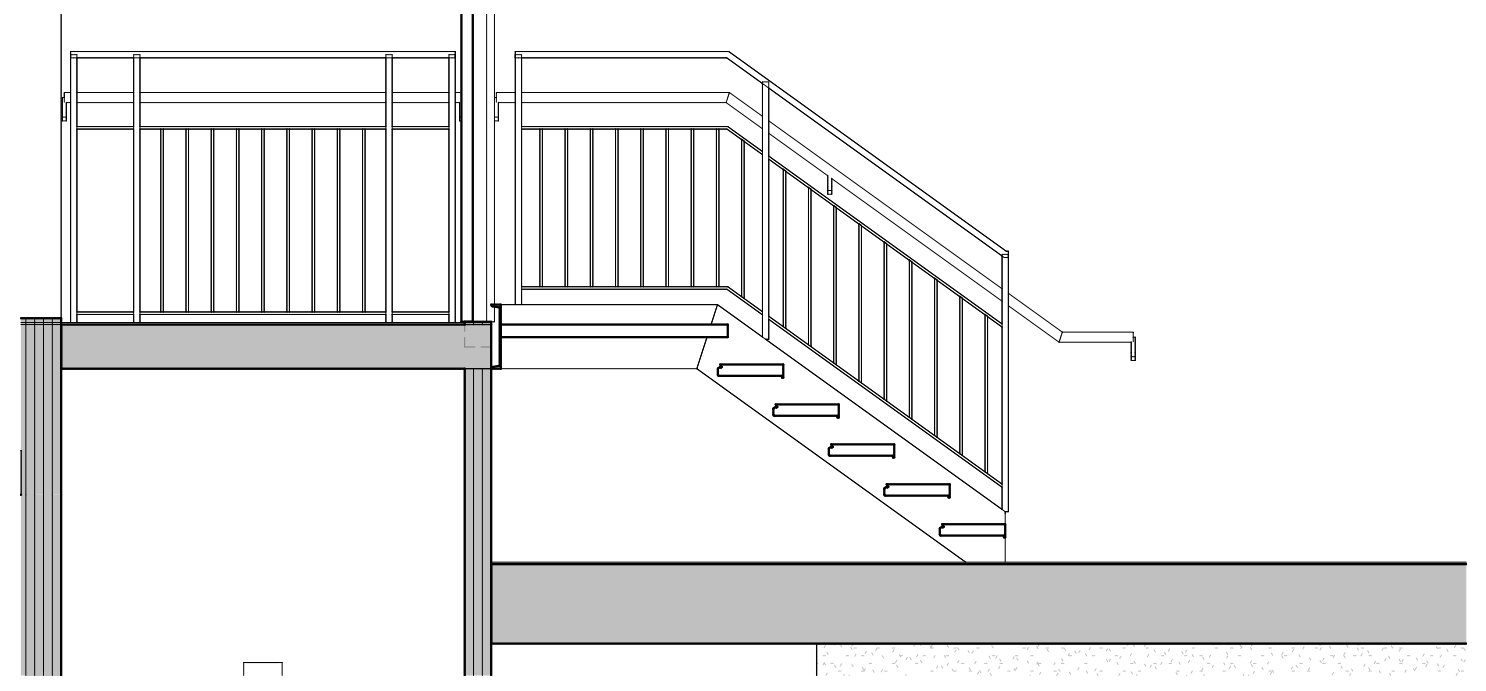


9 MEZZANINE PLAN - WALL AND WINDOW LAYOUT
1:75

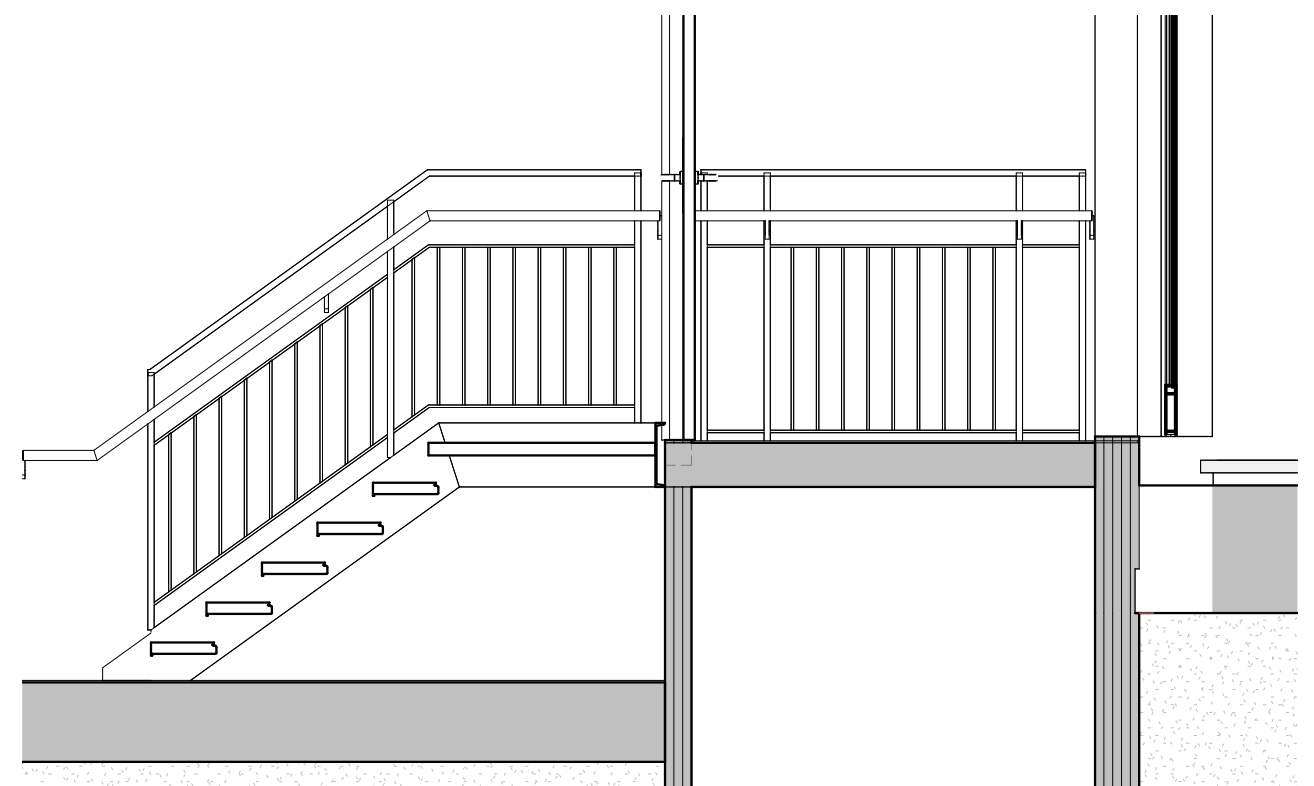


2 - Floor Plans - FROM - 1/ A3.5
1:30

STAIR	
Hose Tower Stair	
RUN TYPE - Steel Grate Tread	
NUMBER OF RISERS - 6	
RISER HEIGHT - 158	
TREAD DEPTH - 220 - c/w 25mm nosing	
LEFT STRINGER - ST CHANNEL - MC250	
RIGHT STRINGER - ST CHANNEL - MC250	
MIDDLE SUPPORT - <None>	
STAIR WIDTH - REFER TO PLAN	
STAIR TREAD FINISH - REFER TO FLOOR FINISH PLAN	

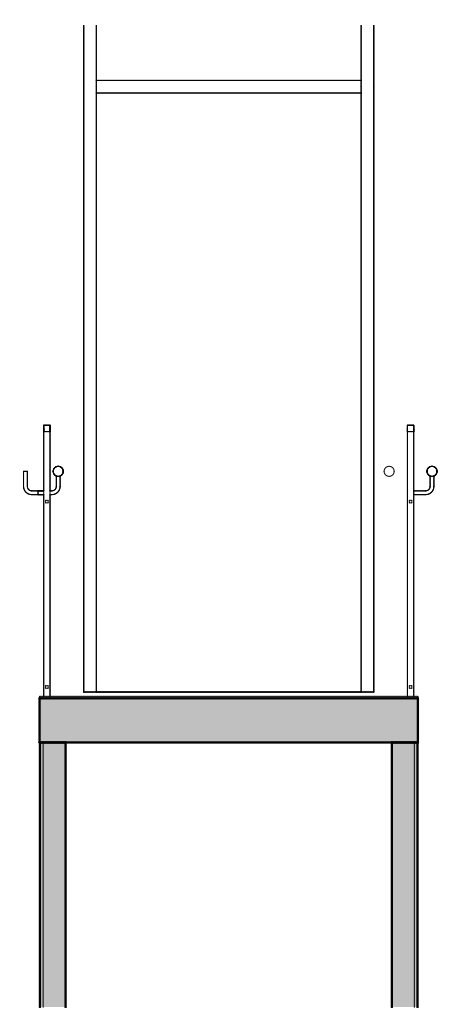


3 - Interior Elevation - FROM - 2/ A3.5
1:30

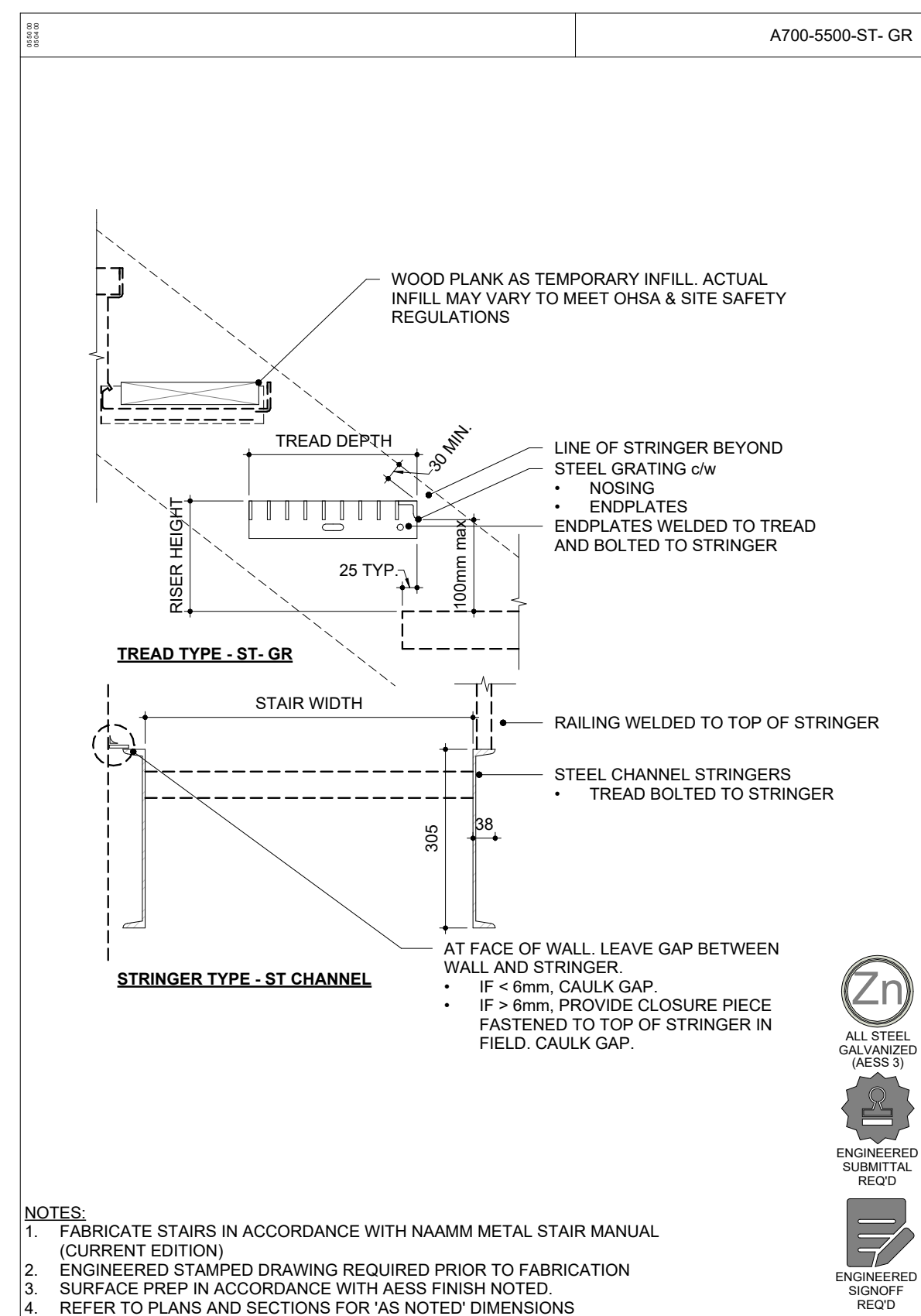
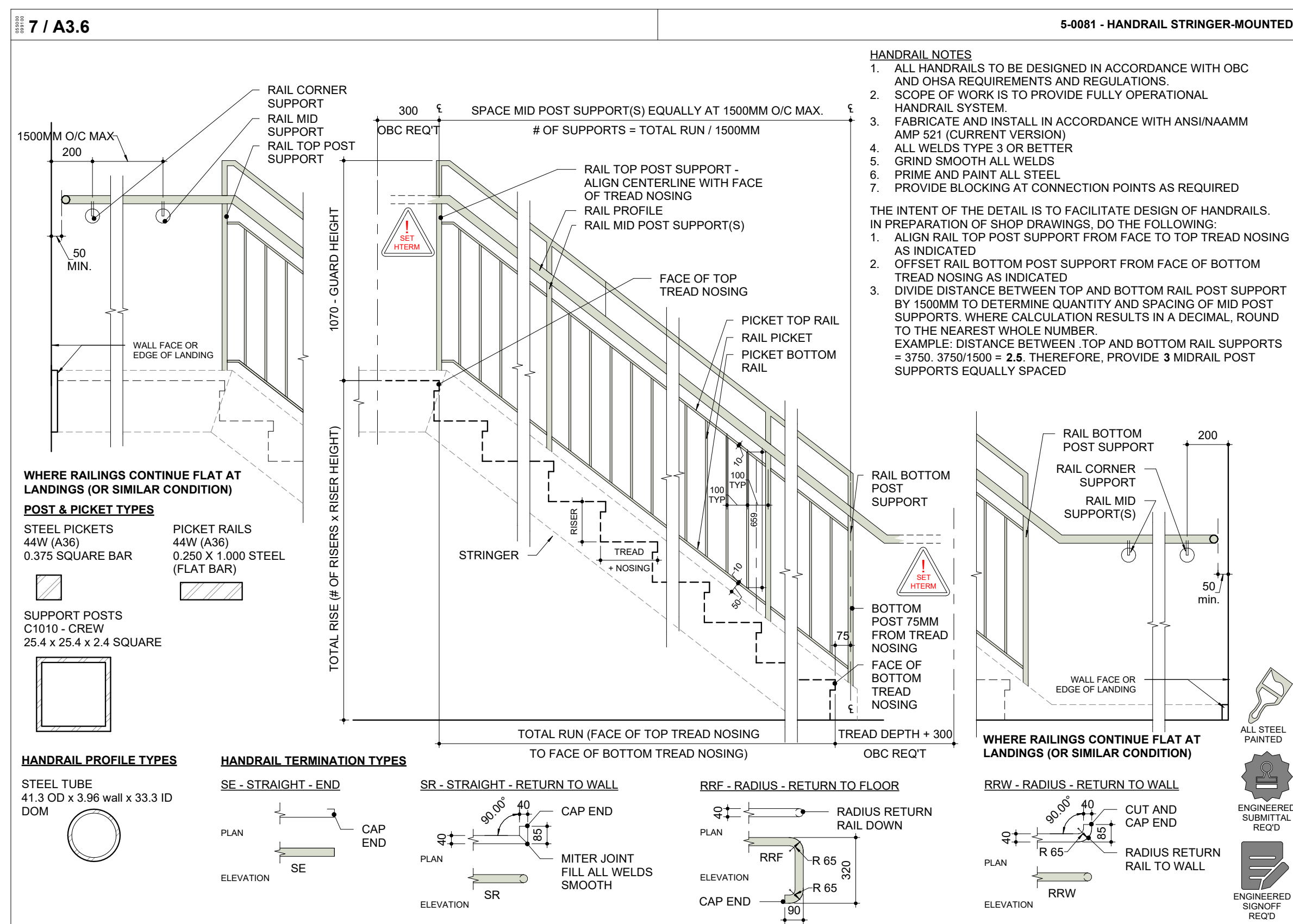
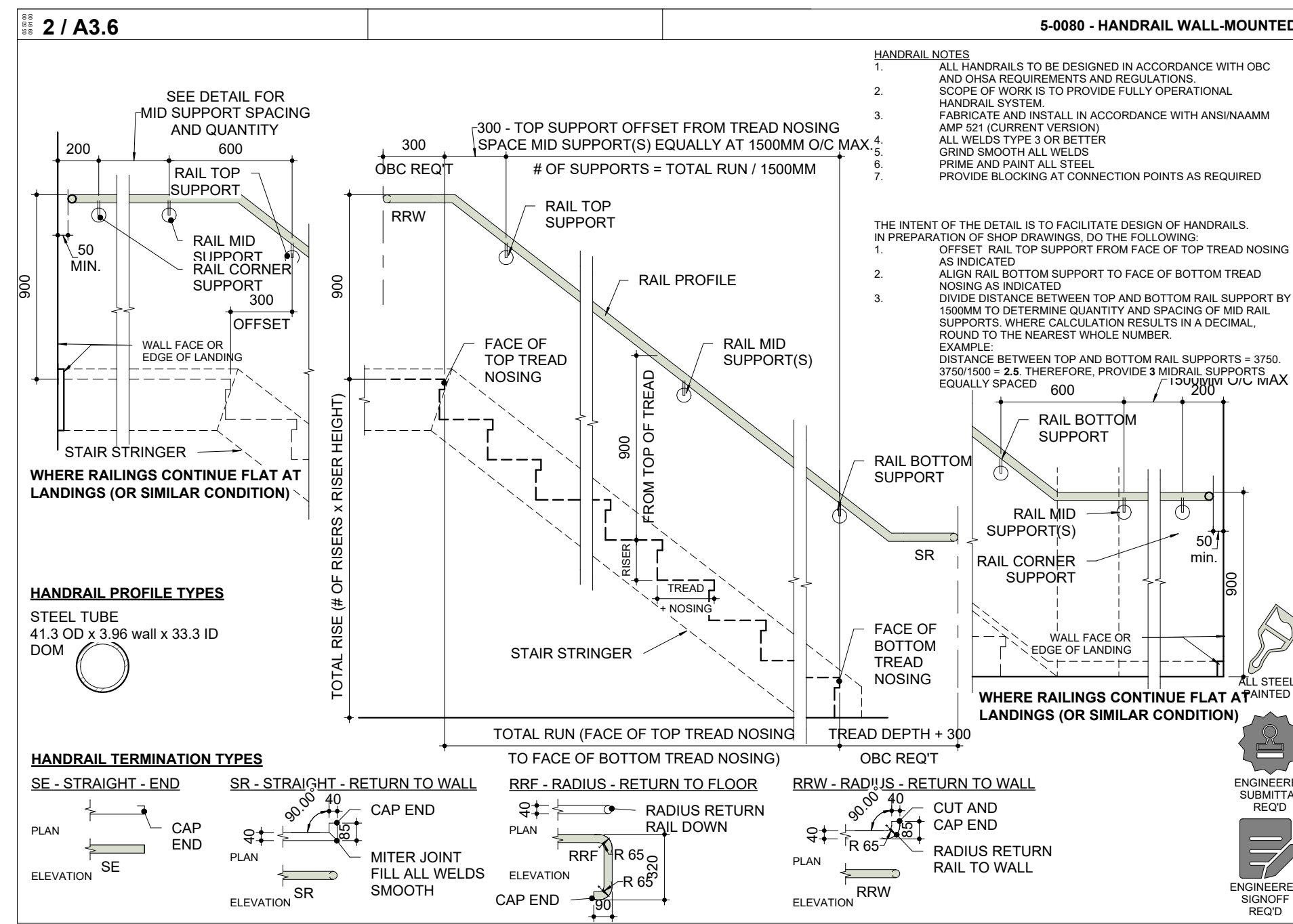


4 - Interior Elevation - FROM - 2/ A3.5
1:30

RAILING	
RAIL - GRD + HR - VPL 2	
HEIGHT - 1070	
*ENGINEERED SHOP DRAWING REQ'D PRIOR TO FABRICATION	



5 - Interior Elevation - FROM - 2/ A3.5
1:30



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NO.	ISSUED FOR	DATE
12	2022 UPDATE	2022-12-20
16	DD CLIENT REVIEW	2023-07-24
18	ISSUED FOR PERMIT	2023-09-15
19	ISSUED FOR RFP/Q	2023-10-19
24	ISSUED FOR CLASS A	2024-02-16
26	T24-253 - IFT	2024-04-15



FILE NO. SP.22.V.0191

CITY OF VAUGHAN FIRE STATION 7-12

9511 WESTON ROAD, VAUGHAN

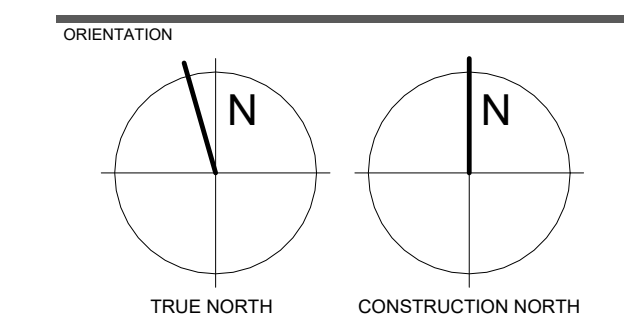
PROJECT: **VAUGHAN**

CLIENT: **VAUGHAN**

ARCHITECT: **THOMASBROWNARCHITECTS**
197 SPADINA AVENUE, SUITE 500 | TORONTO ONTARIO | M5T 2C8

PROFESSIONAL SEAL

AUXILIARY STAIR DETAILS



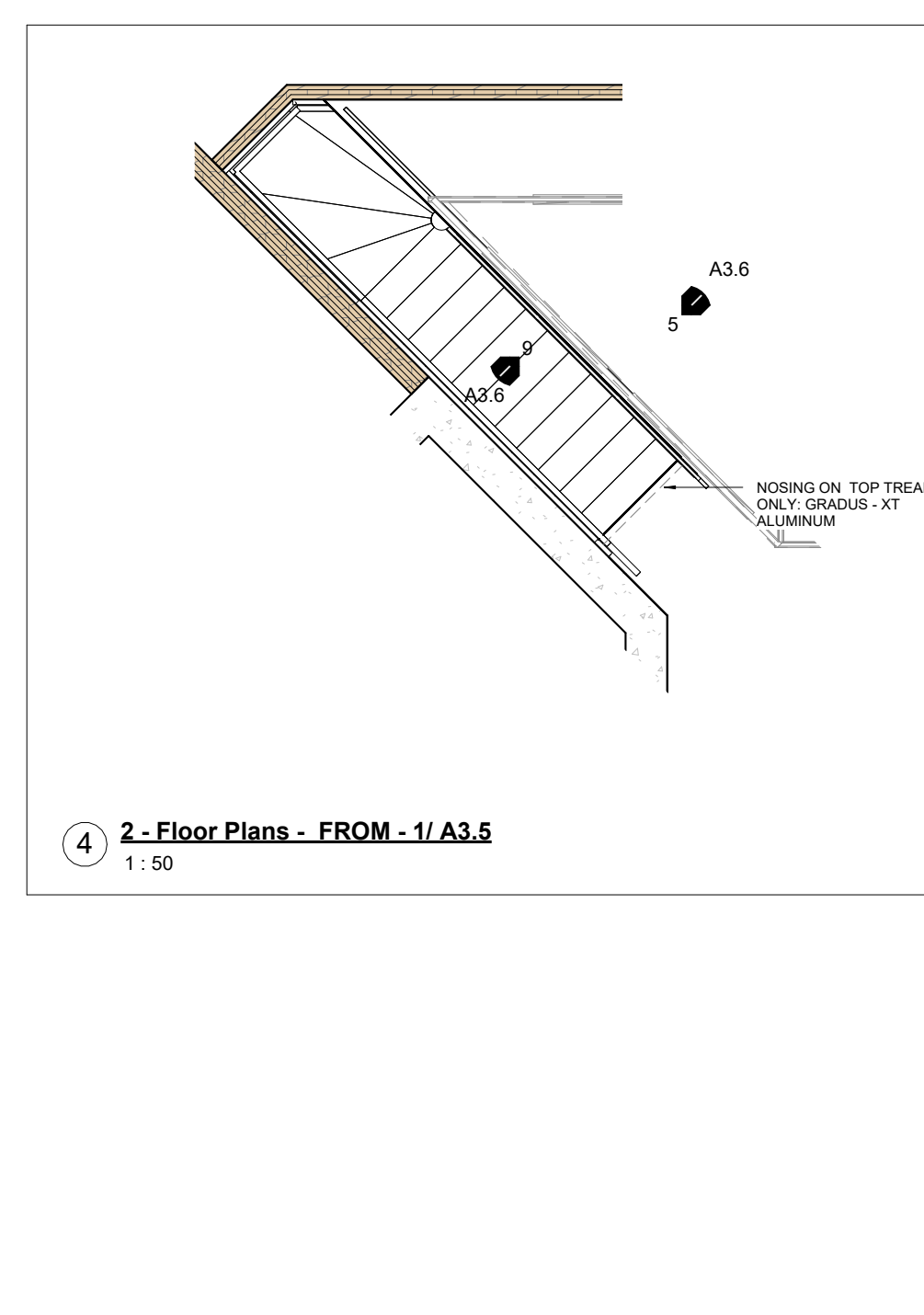
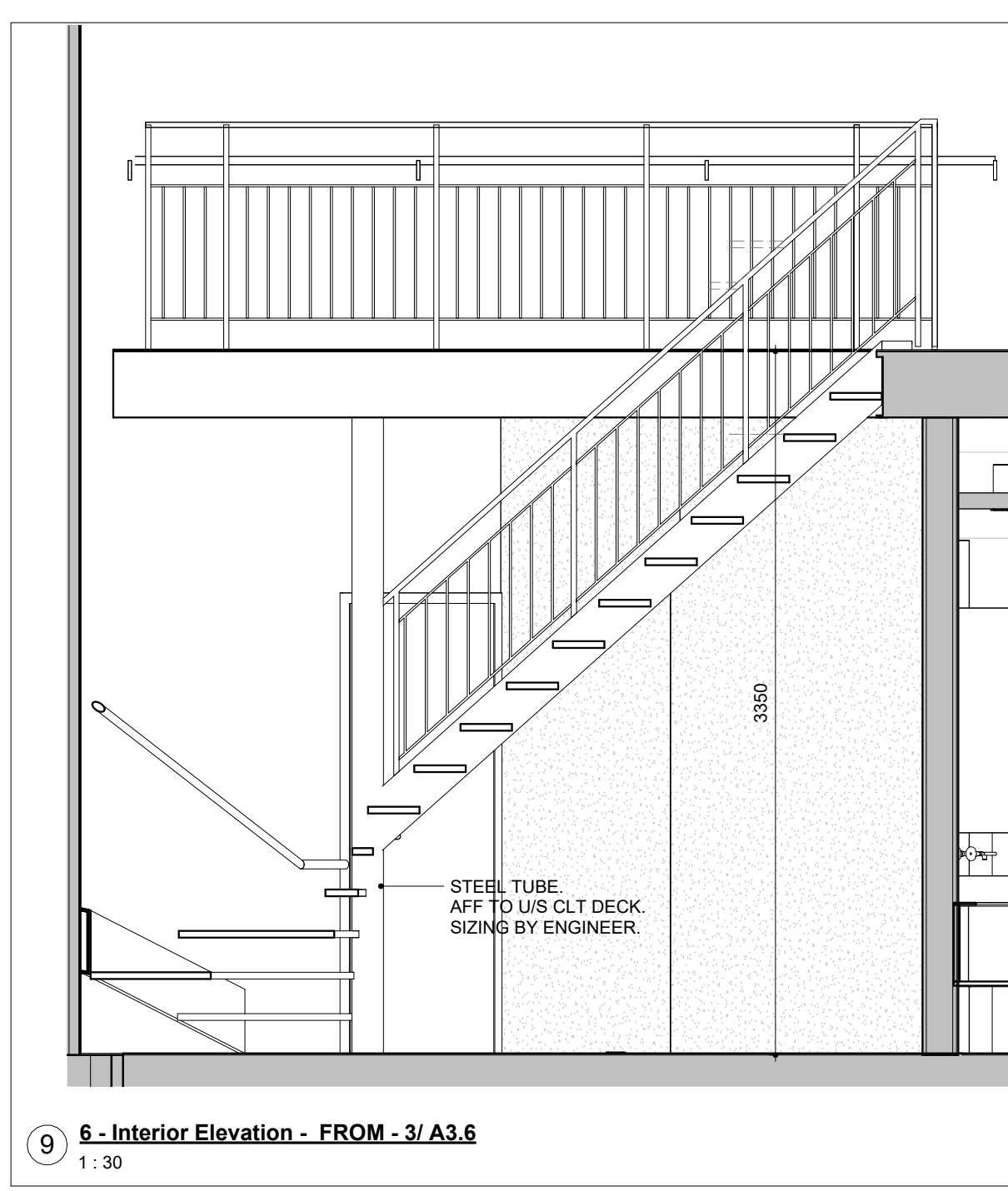
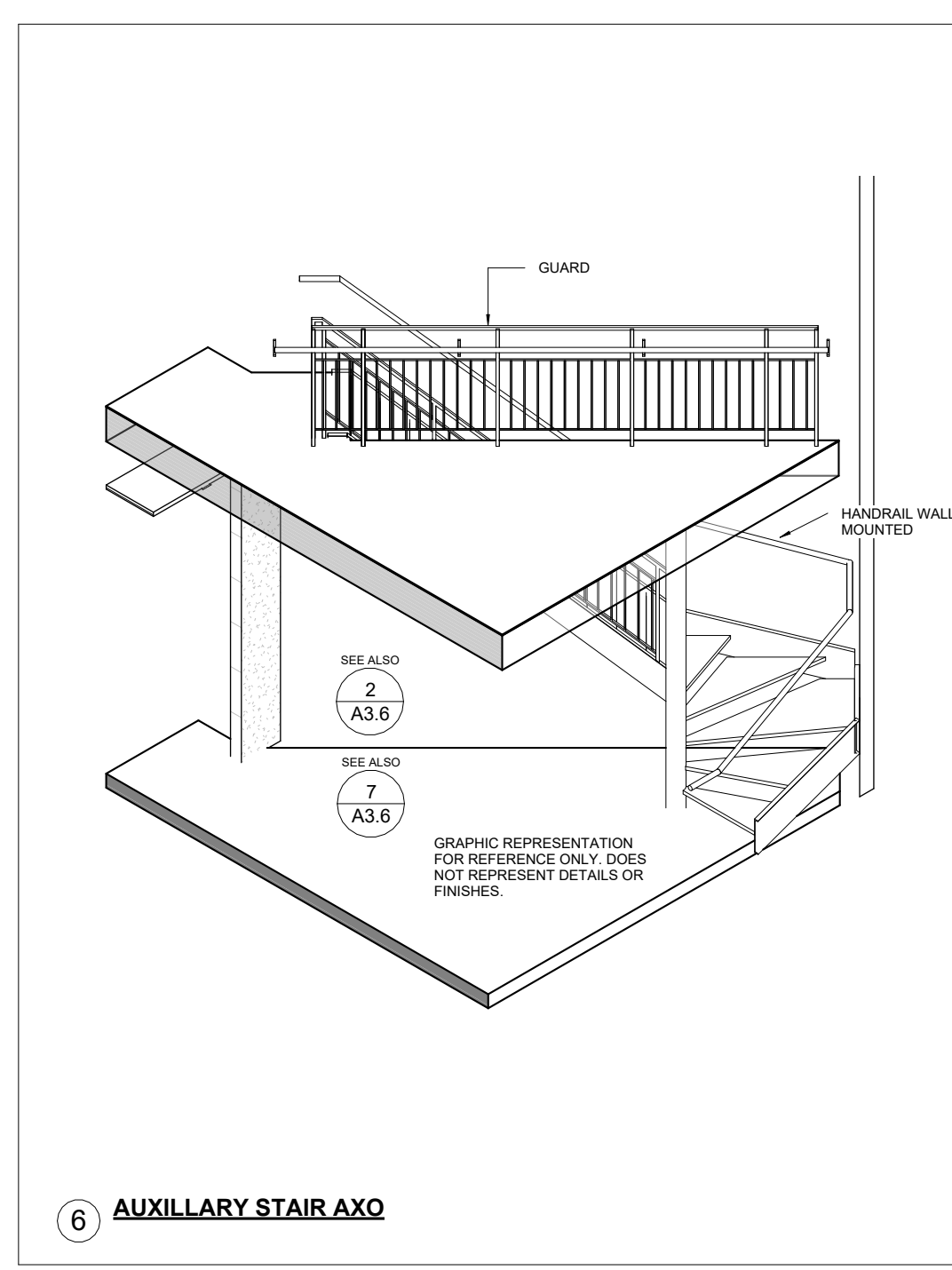
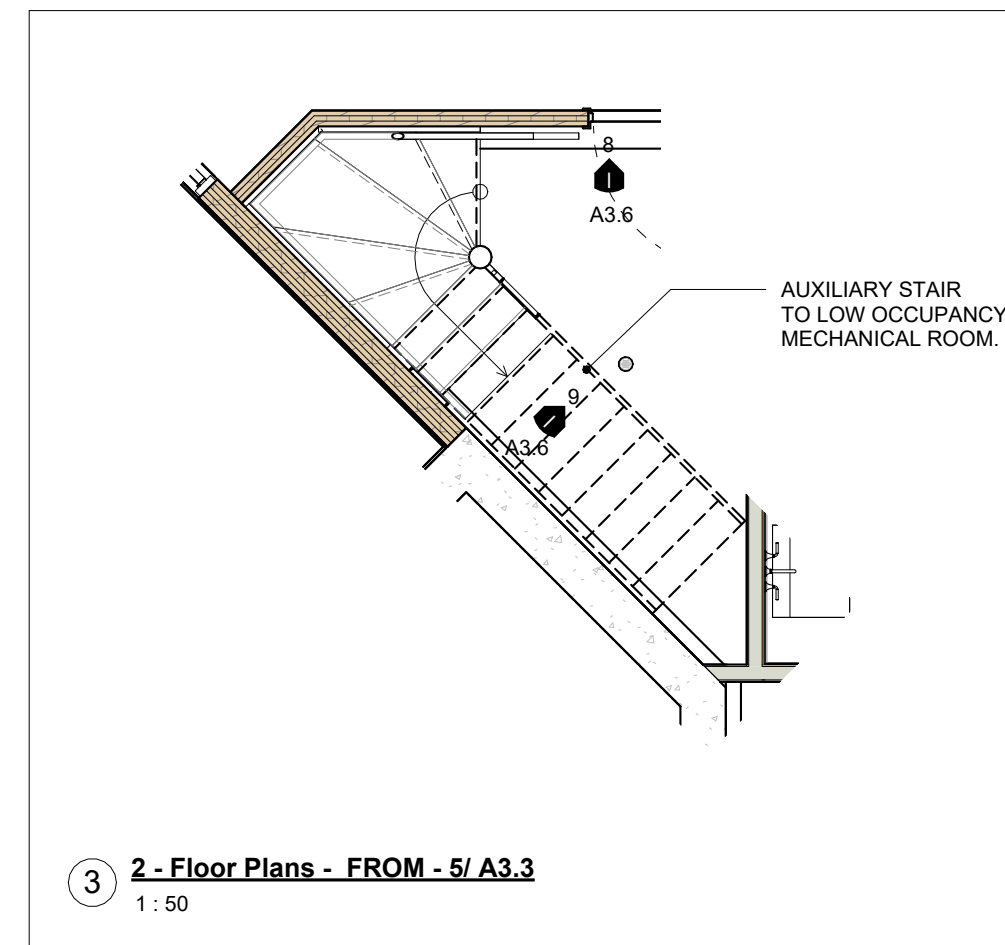
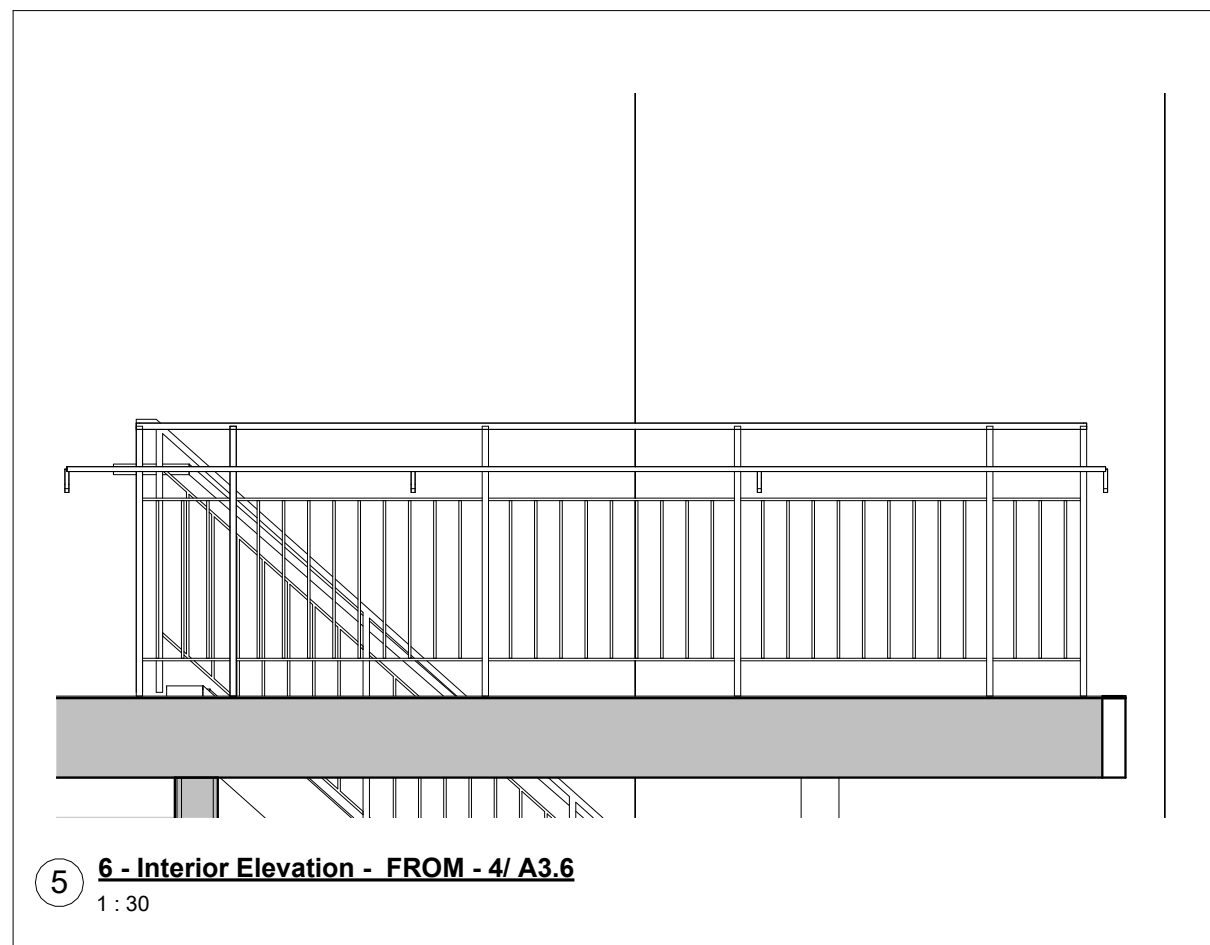
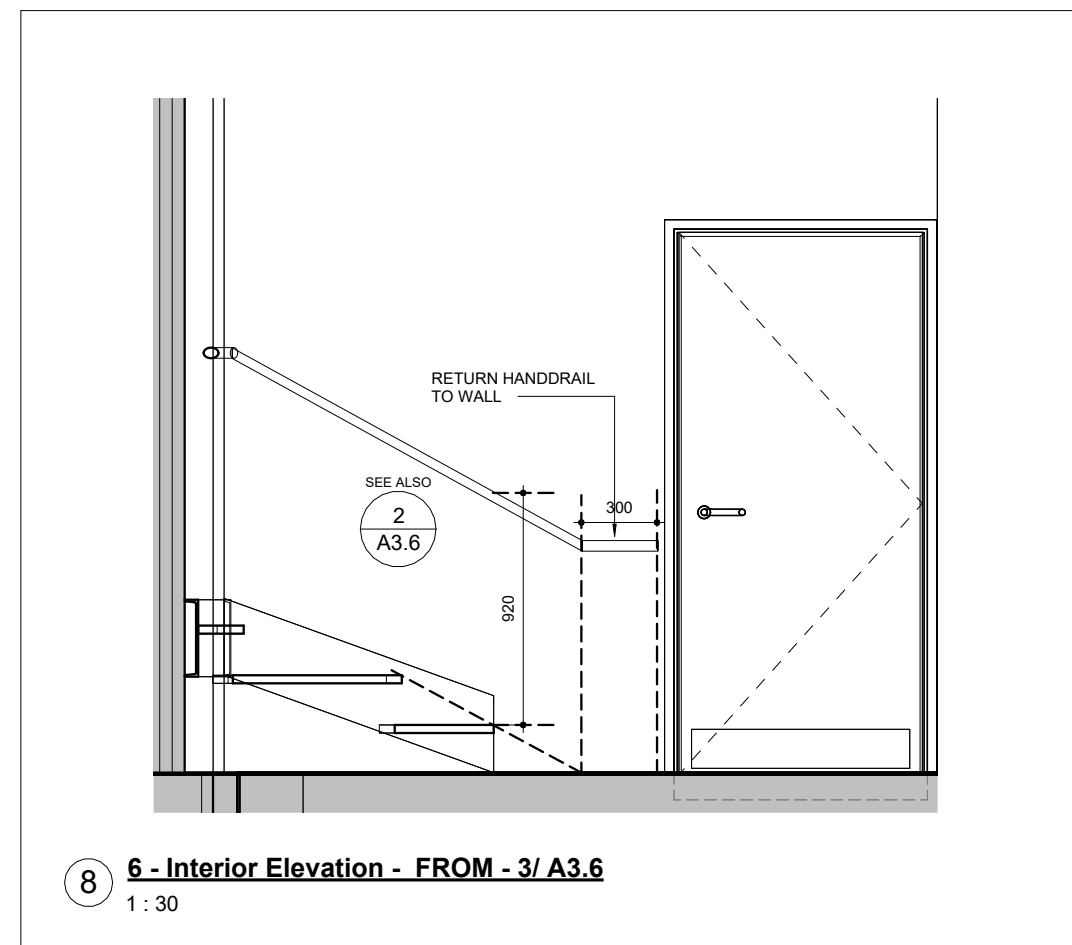
DATE: 2021-11-24

SCALE: As indicated | DRAWN BY: SRL

DWG STATUS: TENDER

PROJECT NO: 2104

DRAWING NO: **A3.6** | REVISION: 26



2024-04-19 10:45:55 AM

ISSUE OR REVISION		
NO.	ISSUED FOR	DATE
12	2022 UPDATE	2022-12-20
18	ISSUED FOR PERMIT	2023-09-15
19	ISSUED FOR RFPQ	2023-10-19
24	ISSUED FOR CLASS A	2024-02-16
26	T24-253 - IFT	2024-04-15



FILE NO. SP.22.V.0191

CITY OF VAUGHAN FIRE STATION 7-12

9511 WESTON ROAD, VAUGHAN



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ARCHITECT
THOMASBROWNARCHITECTS
197 SPADINA AVENUE, SUITE 500 | TORONTO ONTARIO | M5T 2C8

PROFESSIONAL SEAL

APPARATUS BAY DETAILS

ORIENTATION

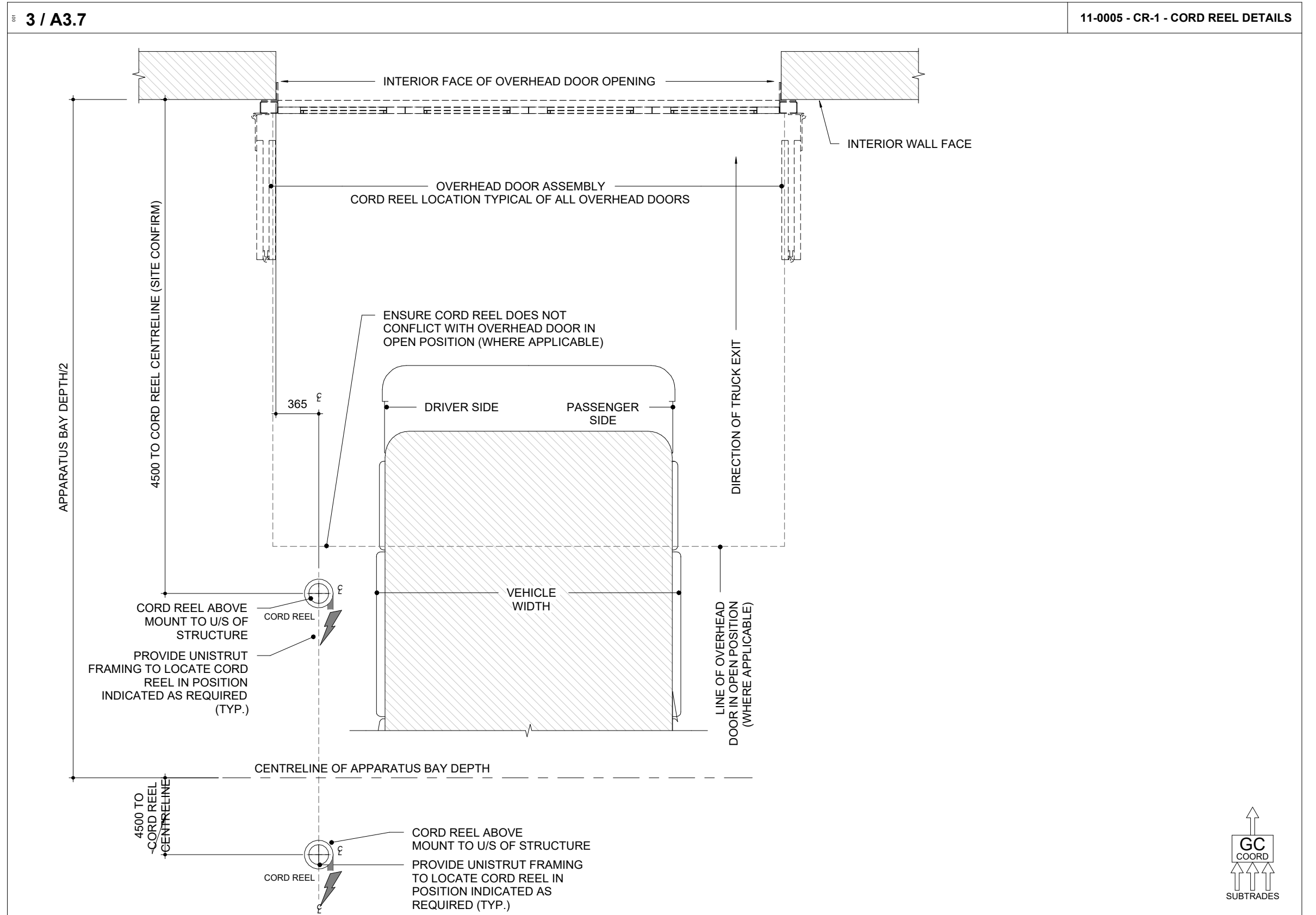
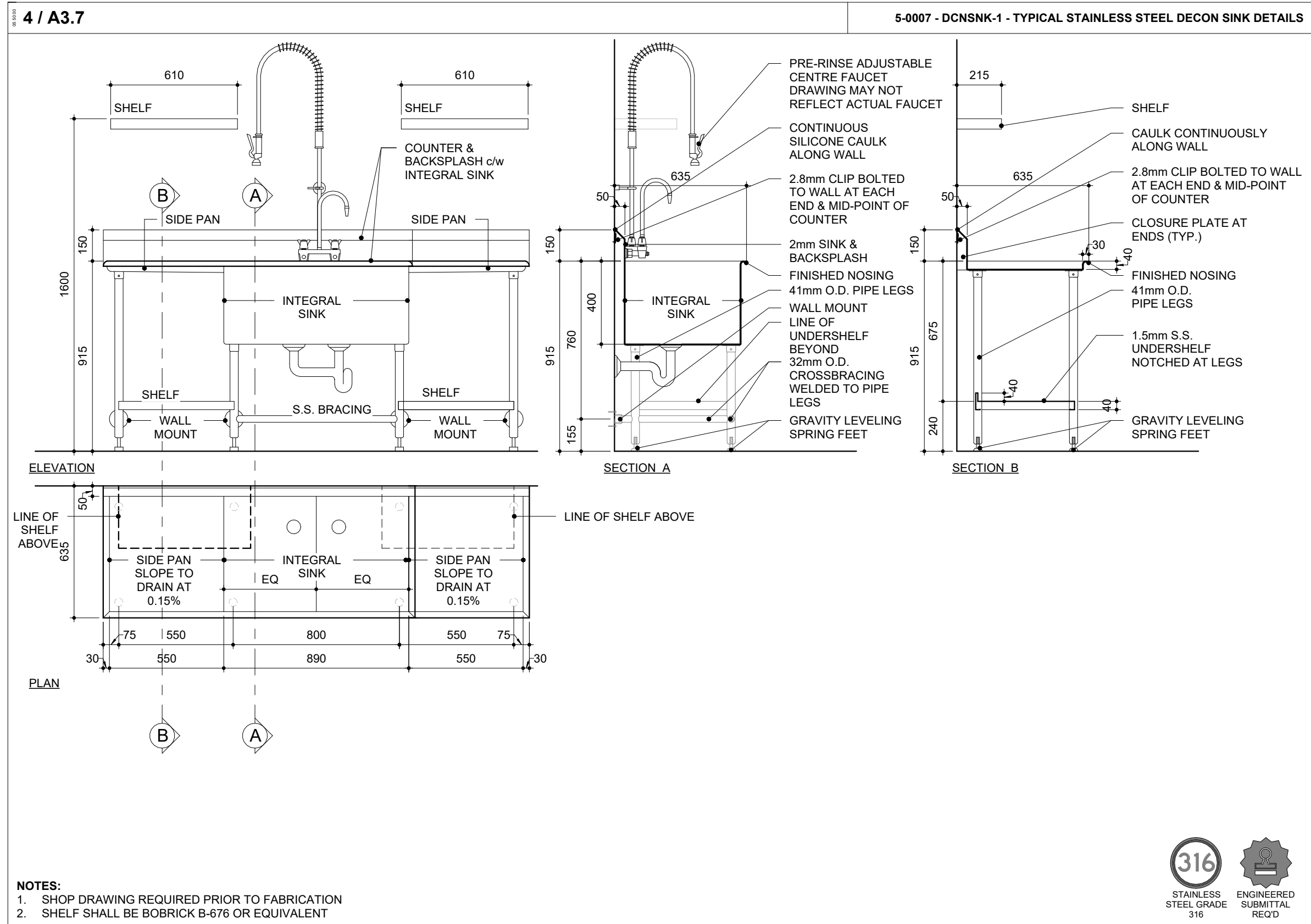
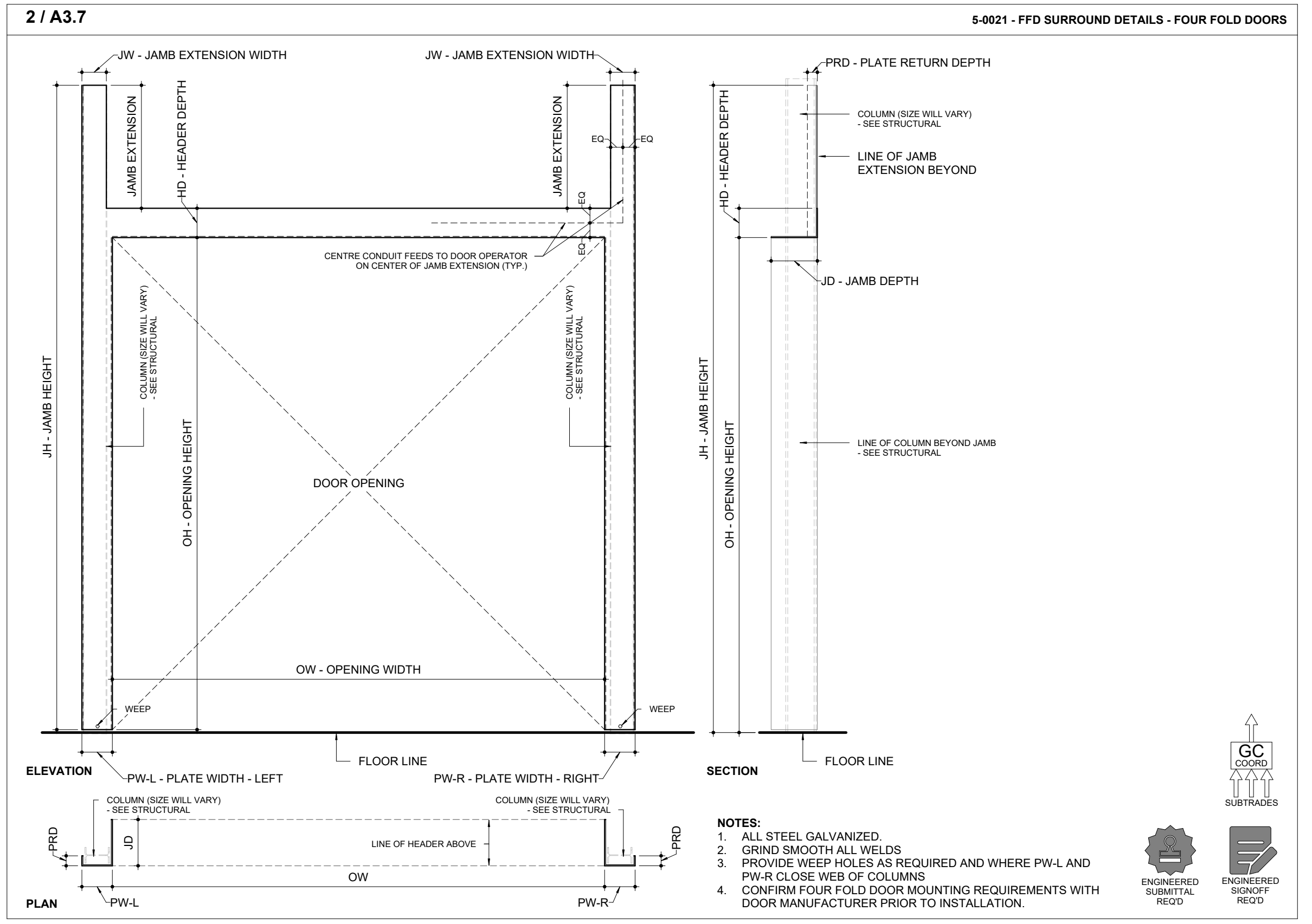
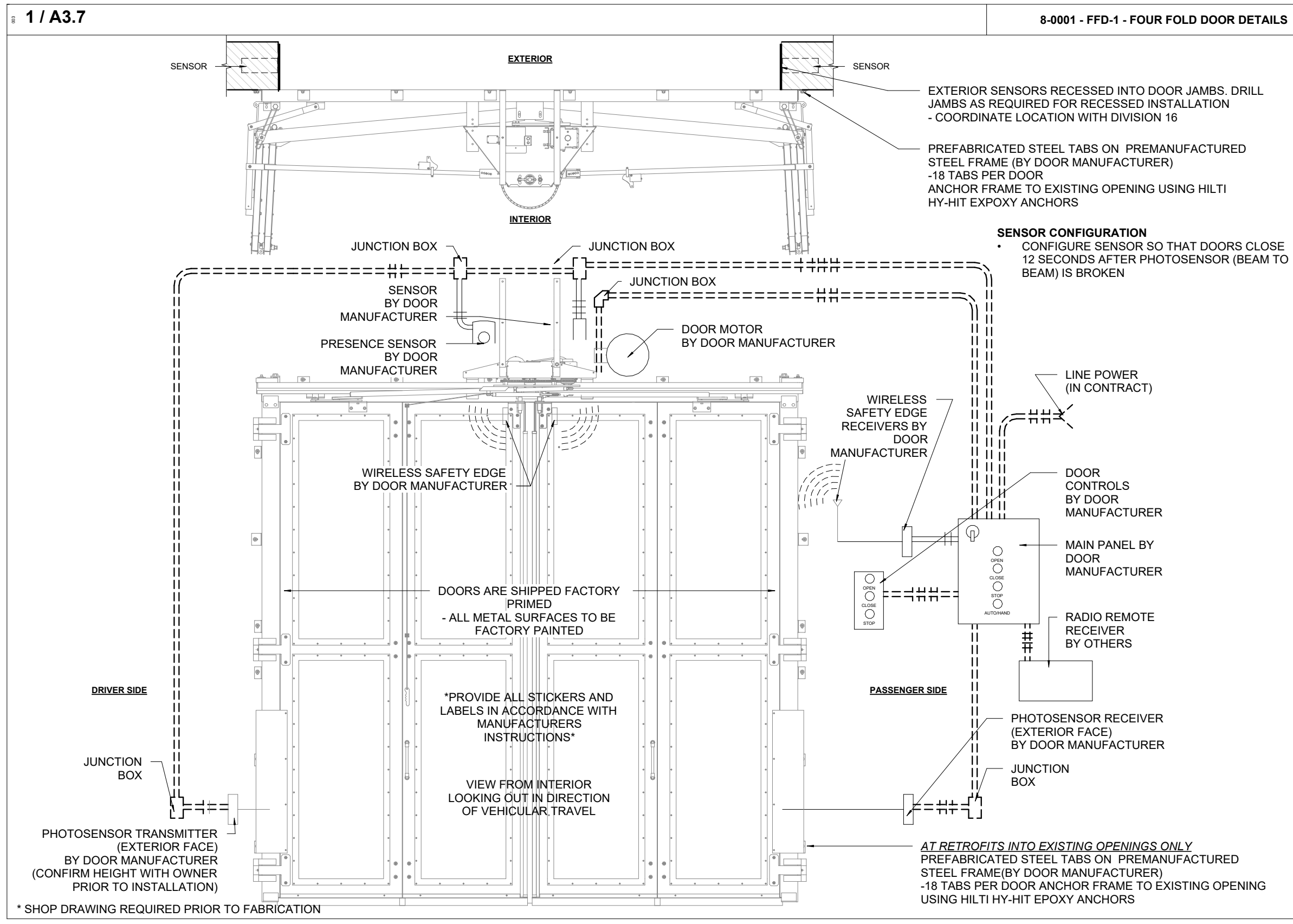
DATE 2021-11-24

SCALE As indicated DRAWN BY SRL

DWG STATUS: TENDER

PROJECT No. 2104

DRAWING No. **A3.7** REVISION 26



2024-04-19 10:45:57 AM

NO.	ISSUED FOR	DATE
7	SITE PLAN SUBMISSION 1	2022-05-31
12	2022 UPDATE	2022-12-20
17	SPA - REVISION	2023-08-30
18	ISSUED FOR PERMIT	2023-09-15
19	ISSUED FOR RFPO	2023-10-19
24	ISSUED FOR CLASS A	2024-02-16
26	T24-253 - IFT	2024-04-15



FILE NO. SP.22.V.0191

CITY OF VAUGHAN FIRE STATION 7-12

9511 WESTON ROAD, VAUGHAN

PROJECT:
CLIENT:



THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF THE WORK. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT.

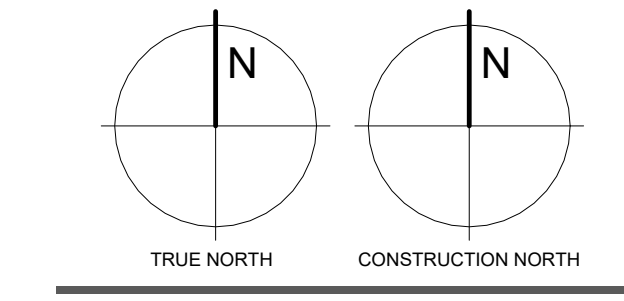
ARCHITECT
THOMASBROWNARCHITECTS
197 SPADINA AVENUE, SUITE 500 | TORONTO ONTARIO | M5T 2C8

PROFESSIONAL SEAL

DWG TITLE

ROOF PLAN

ORIENTATION



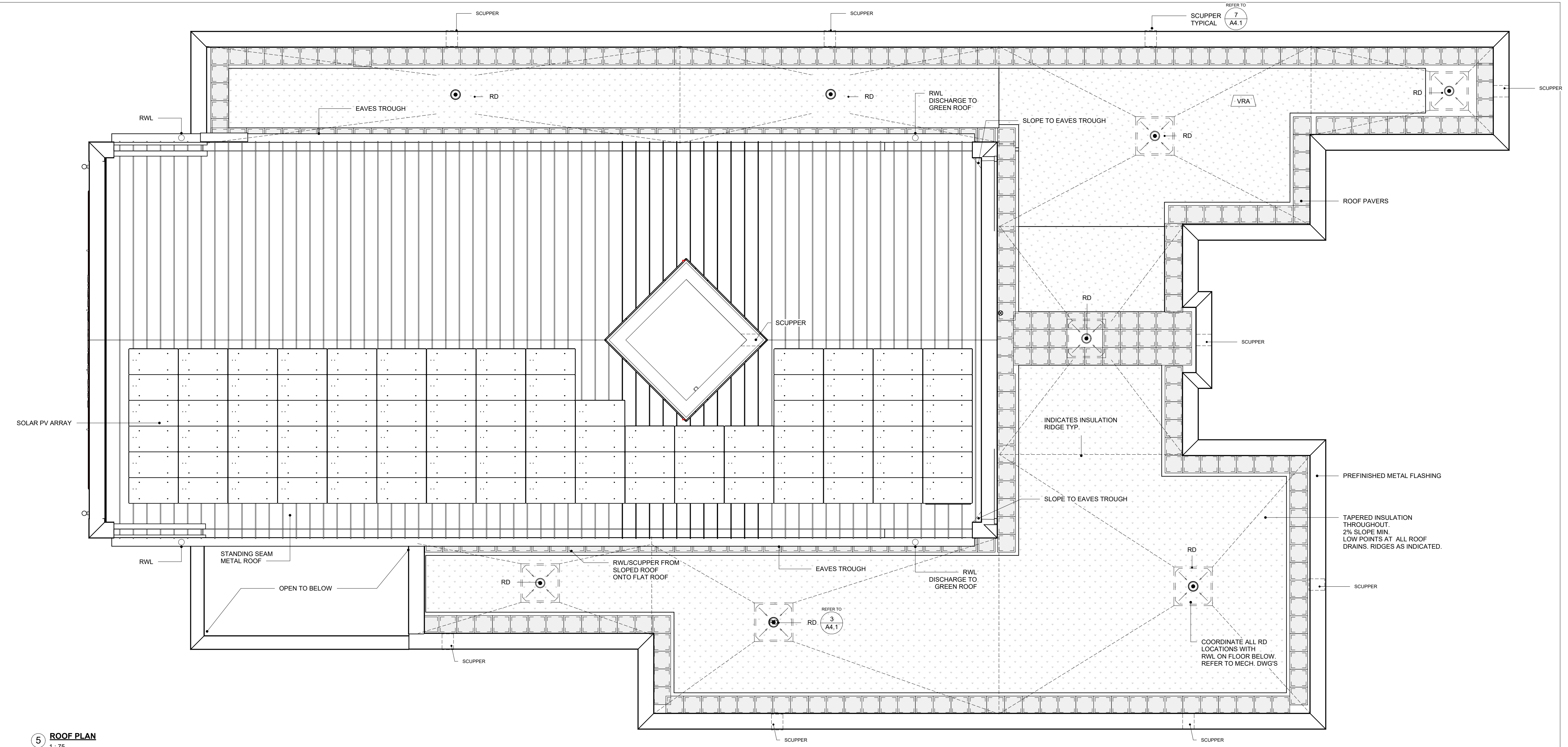
DATE: 2021-11-24

SCALE: As indicated DRAWN BY: SRL

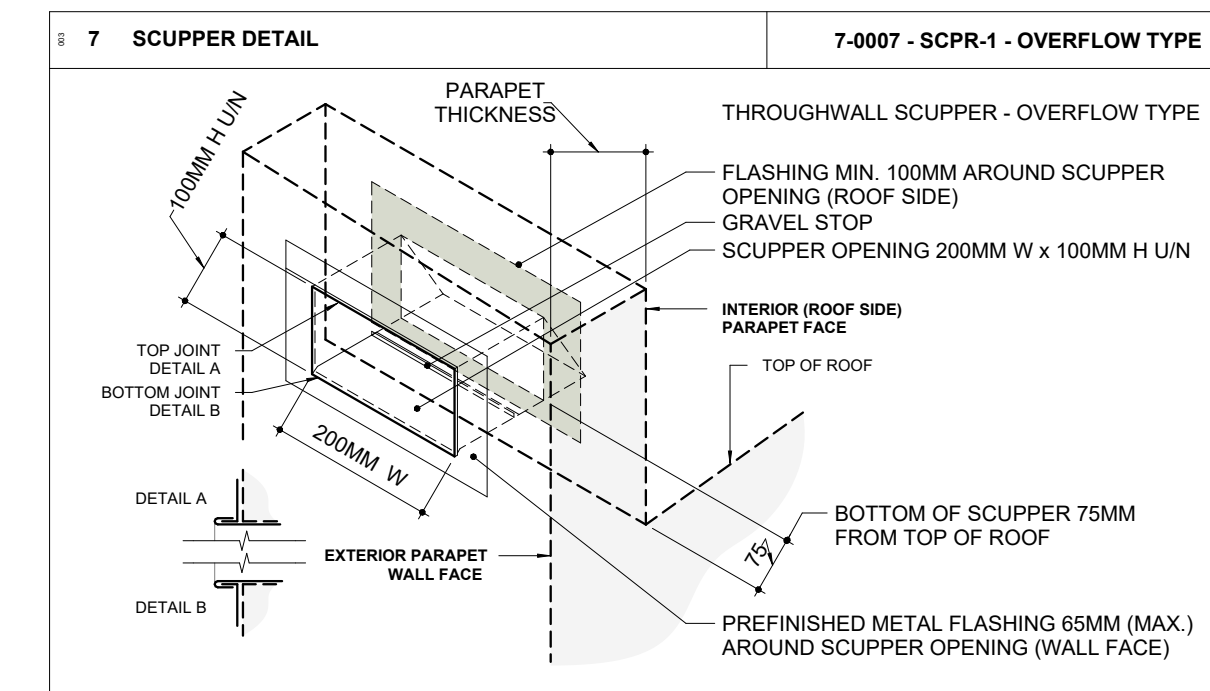
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PROJECT No. 2104

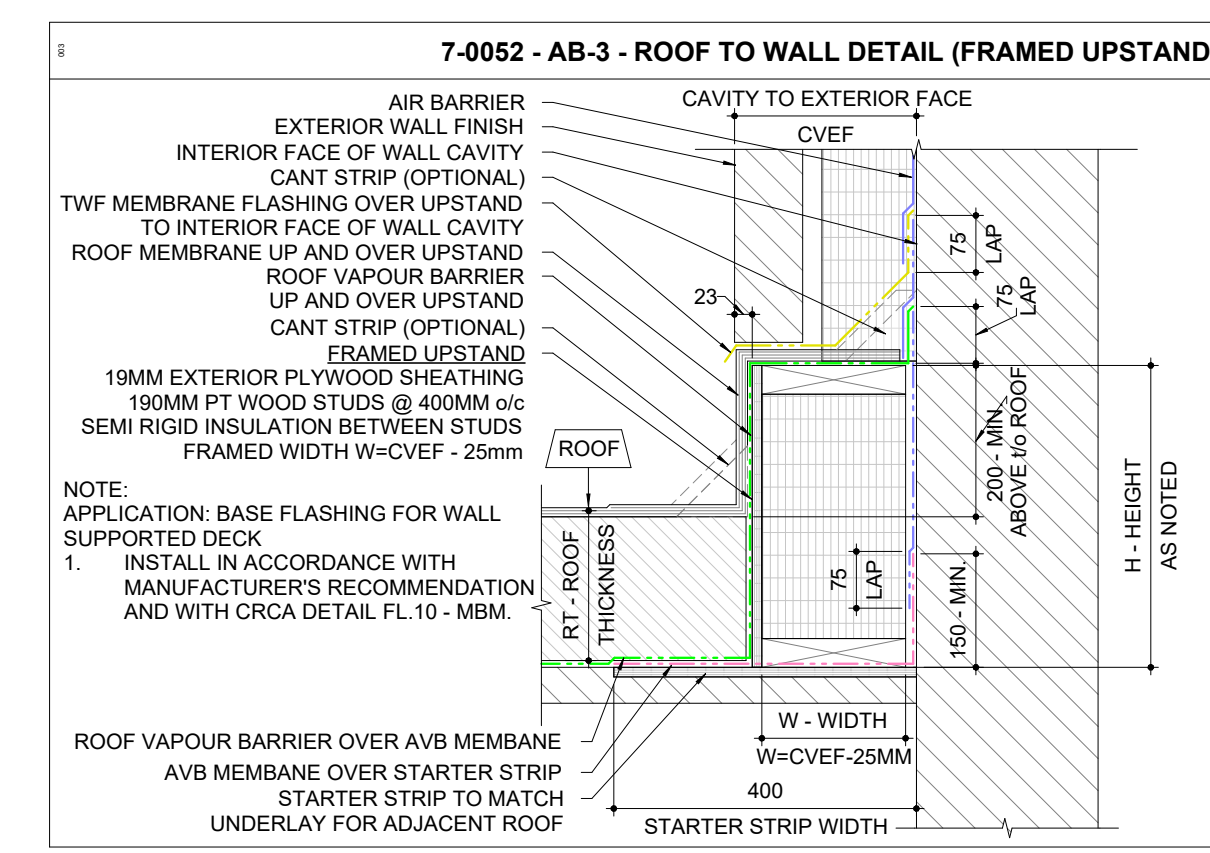
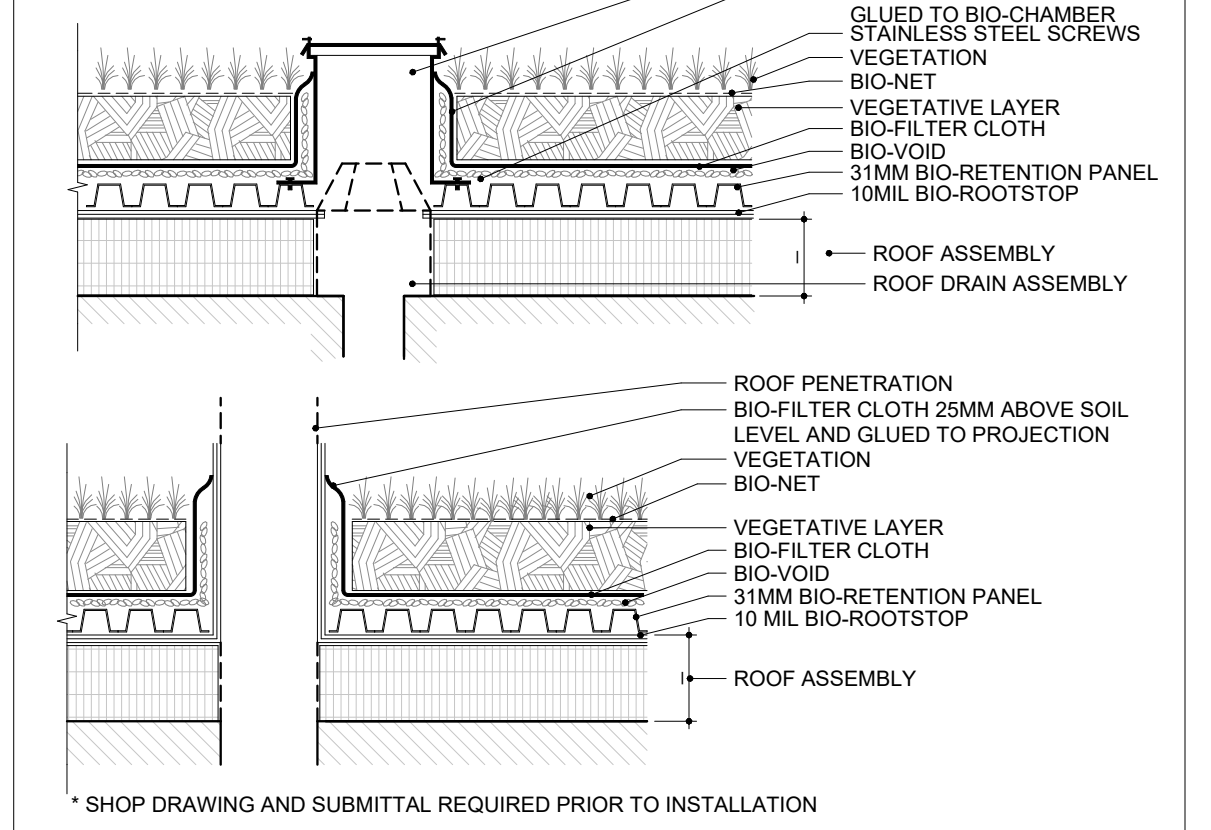
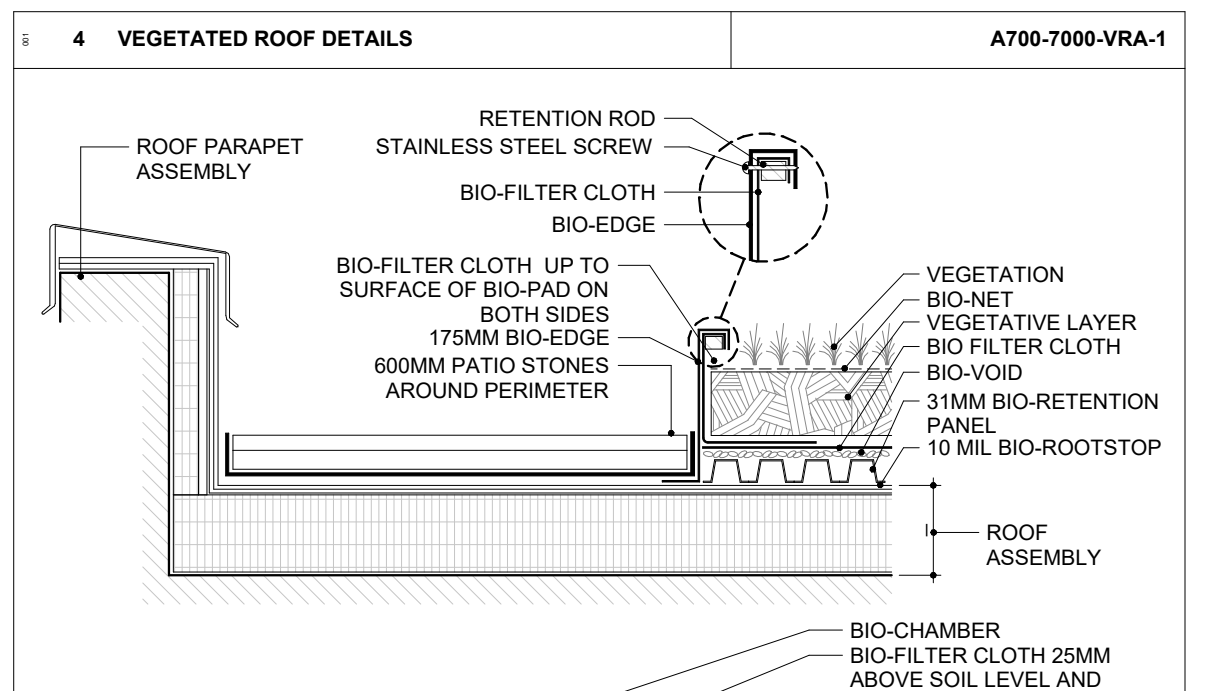
DRAWING No. A4.1 REVISION 26



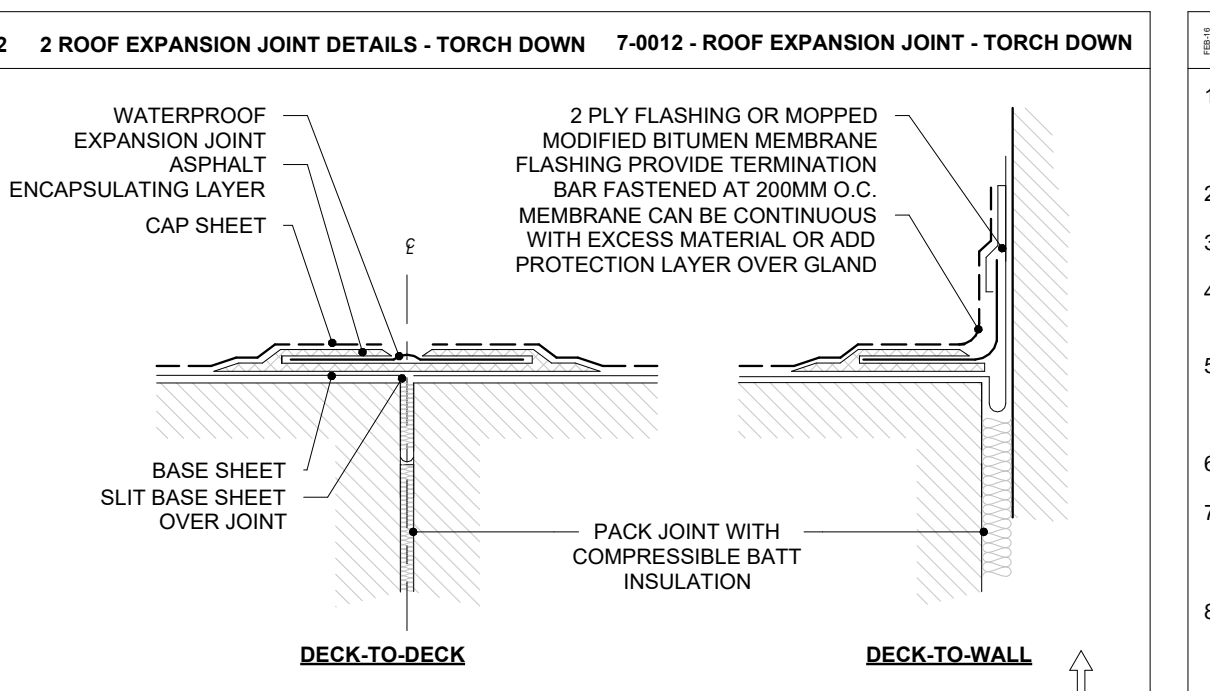
5 ROOF PLAN
1:75



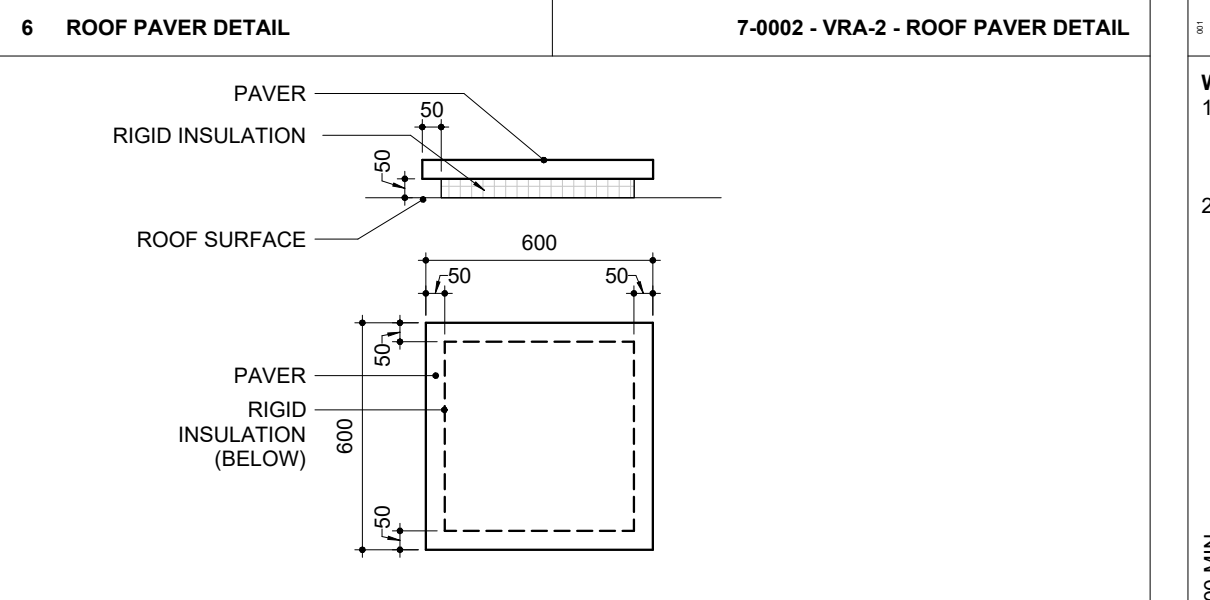
- NOTES:
- FABRICATE AND INSTALL IN ACCORDANCE WITH SMACNA ARCHITECTURAL SHEET METAL MANUAL - CURRENT EDITION
 - ALL JOINTS - METAL SHALL BE SOLDERED - ALUMINUM SHALL BE WELDED



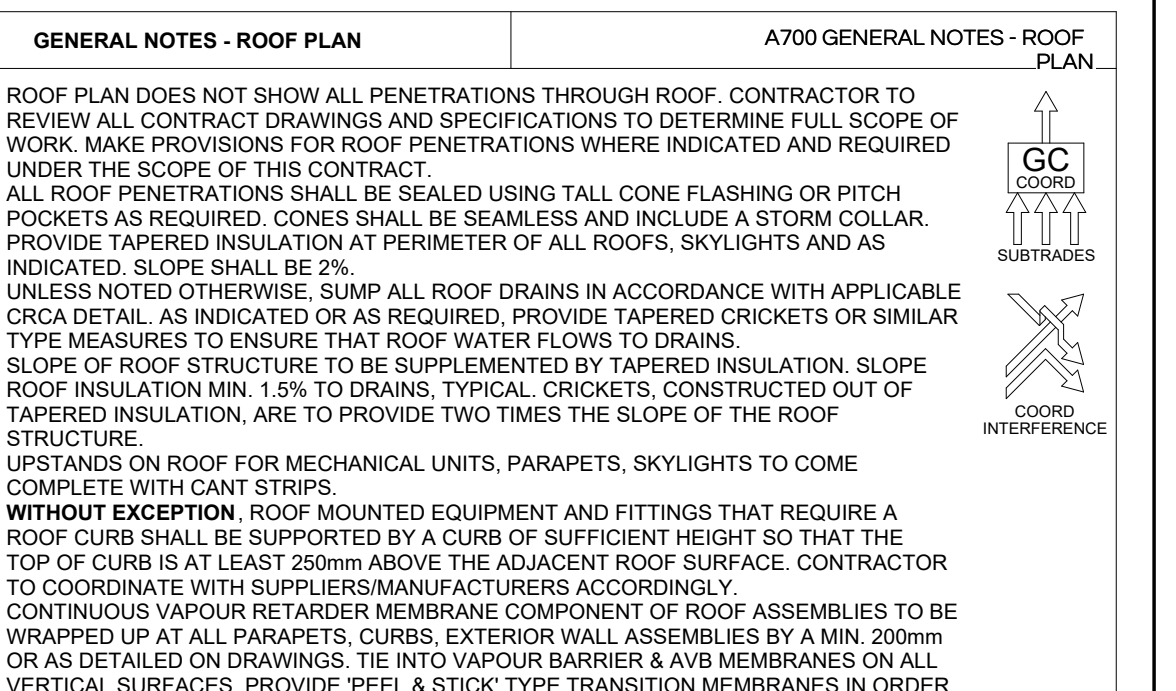
- NOTE:
- APPLICATION: BASE FLASHING FOR WALL SUPPORTED DECK
- INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION AND WITH CRCA DETAIL FL - MEM.



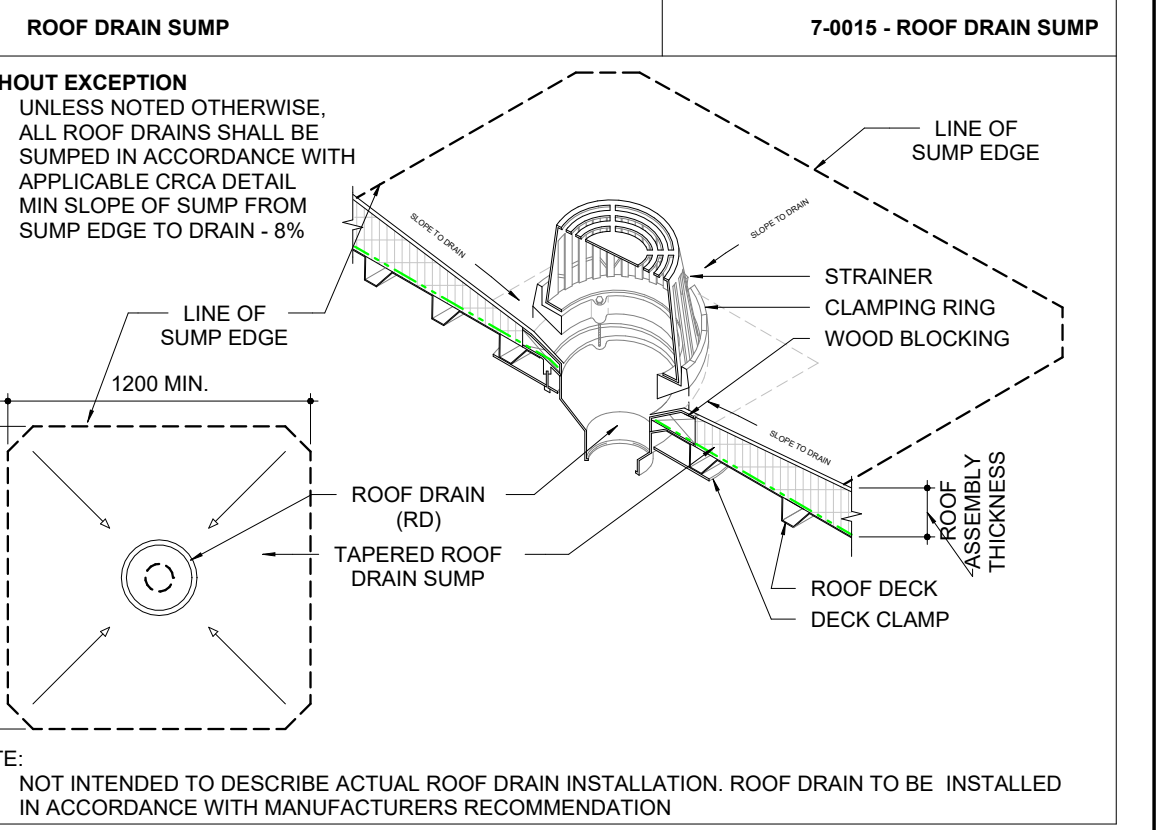
- NOTES:
- DETAILS ARE BASED ON SBS MODBIT ROOFING SYSTEM APPLICATION
 - DETAILS REPRESENT TYPICAL APPLICATION. ADAPT INSTALLATION TO SUIT CONDITIONS
 - USE LIQUID MEMBRANE RECOMMENDED BY ROOFING SYSTEM MANUFACTURER



- NOTES:
- PROVIDE ROOF PAVERS AROUND PERIMETER OF VEGETATED ROOF ASSEMBLIES AND IN OTHER LOCATIONS AS INDICATED
 - CUT RIGID INSULATION 50MM BACK FROM EDGE OF PAVER (TYPICAL)
 - ON MEMBRANE ROOF SURFACES, INSULATION SHALL BE RAIN CHANNELLED ON BOTTOM EDGES.

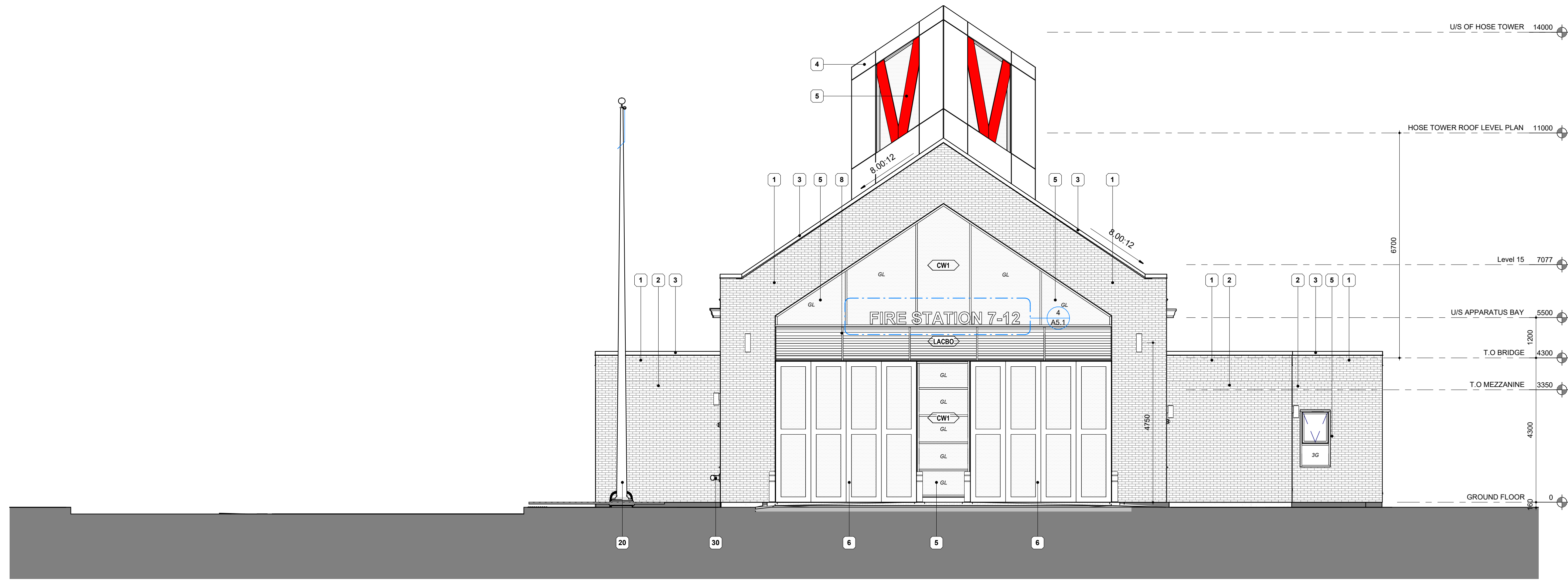


- ROOF PLAN DOES NOT SHOW ALL PENETRATIONS THROUGH ROOF. CONTRACTOR TO REVIEW ALL CONTRACT DRAWINGS AND SPECIFICATIONS TO DETERMINE FULL SCOPE OF WORK. MAKE PROVISIONS FOR ROOF PENETRATIONS WHERE INDICATED AND REQUIRED UNDER THE SCOPE OF THIS CONTRACT
- ALL ROOF PENETRATIONS SHALL BE SEALED USING TALL CONE FLASHING OR PITCH POCKETS AS REQUIRED. CONES SHALL BE SEAMLESS AND INCLUDE A STORM COLLAR.
- PROVIDE TAPERED INSULATION AT PERIMETER OF ALL ROOFS, SKYLIGHTS AND AS INDICATED. SLOPE SHALL BE 2%.
- UNLESS NOTED OTHERWISE, SUMP ALL ROOF DRAINS IN ACCORDANCE WITH APPLICABLE CRCA DETAIL. AS INDICATED OR AS REQUIRED, PROVIDE TAPERED CRICKETS OR SIMILAR TYPE MEASURES TO ENSURE THAT ROOF WATER FLOWS TO DRAINS.
- SLOPE OF ROOF STRUCTURE TO BE SUPPLEMENTED BY TAPERED INSULATION. SLOPE ROOF INSULATION MIN. 1% TO DRAINS. TYPICAL CRICKETS, CONSTRUCTED OUT OF TAPERED INSULATION, ARE TO PROVIDE TWO TIMES THE SLOPE OF THE ROOF STRUCTURE.
- UPSTANDS ON ROOF FOR MECHANICAL UNITS, PARAPETS, SKYLIGHTS TO COME COMPLETE WITH CANT STRIPS.
- WITHOUT EXCEPTION, ROOF MOUNTED EQUIPMENT AND FITTINGS THAT REQUIRE A ROOF CURB SHALL BE SUPPORTED BY A CURB OF SUFFICIENT HEIGHT SO THAT THE TOP OF CURB IS AT LEAST 250mm ABOVE THE ADJACENT ROOF SURFACE. CONTRACTOR TO COORDINATE WITH SUPPLIERS/MANUFACTURERS ACCORDINGLY.
- CONTINUOUS VAPOUR RETARDER MEMBRANE COMPONENT OF ROOF ASSEMBLIES TO BE WRAPPED UP AT ALL PARAPETS, CURBS, EXTERIOR WALL ASSEMBLIES BY A MIN. 200mm OR AS DETAILED ON DRAWINGS. TIE INTO VAPOUR BARRIER & AVB MEMBRANES ON ALL VERTICAL SURFACES. PROVIDE 'PEEL & STICK' TYPE TRANSITION MEMBRANES IN ORDER TO ENSURE CONTINUITY OF AIR BARRIERS/BUILDING ENVELOPE.

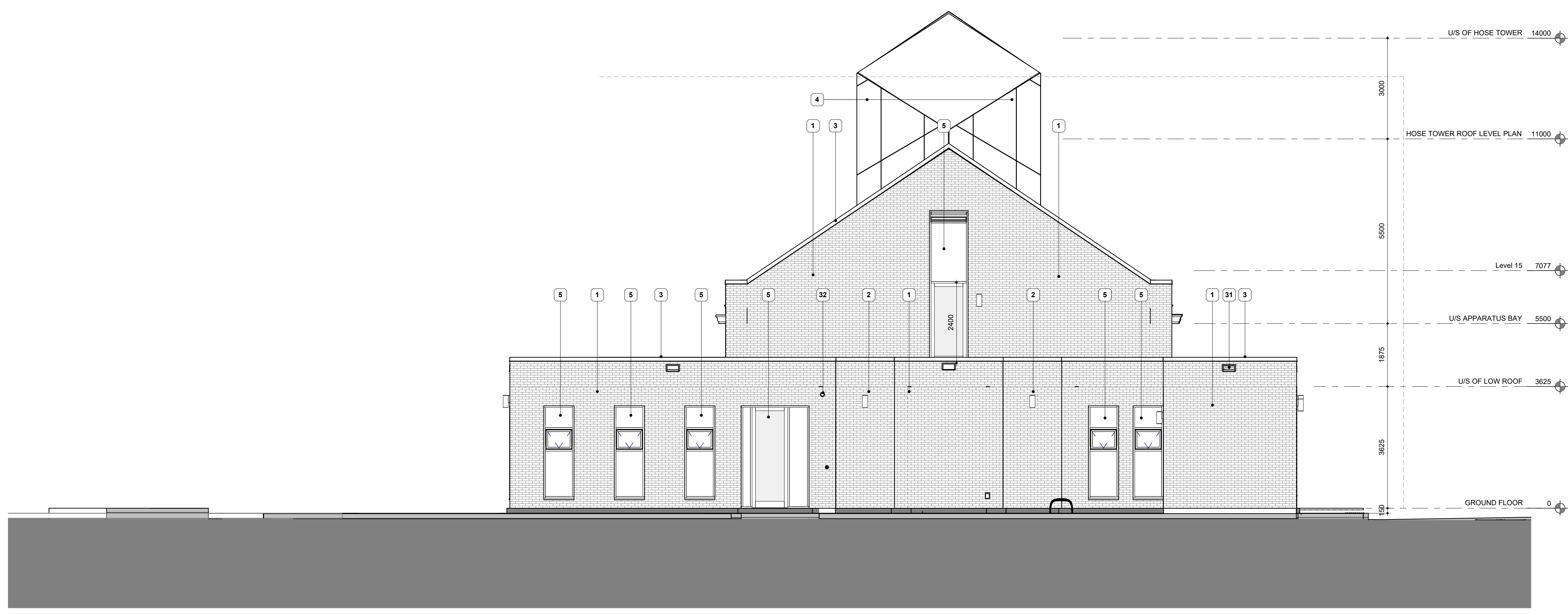


- NOTE:
- NOT INTENDED TO DESCRIBE ACTUAL ROOF DRAIN INSTALLATION. ROOF DRAIN TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION

2024-04-19 10:46:14 AM



3 1 - Building Elevations - FROM - 5/ A3.3
1:75

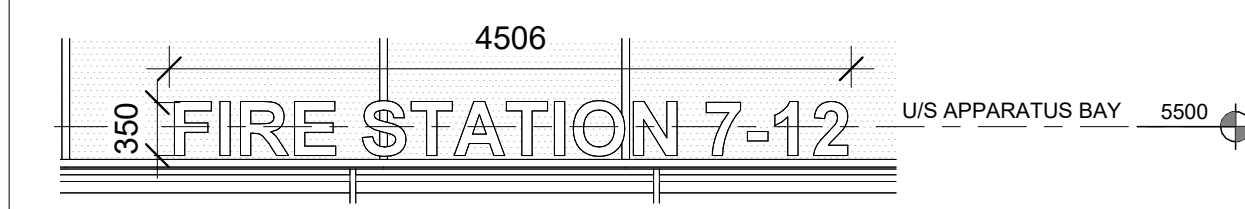


2 1 - Building Elevations - FROM - 5/ A3.3
1:75

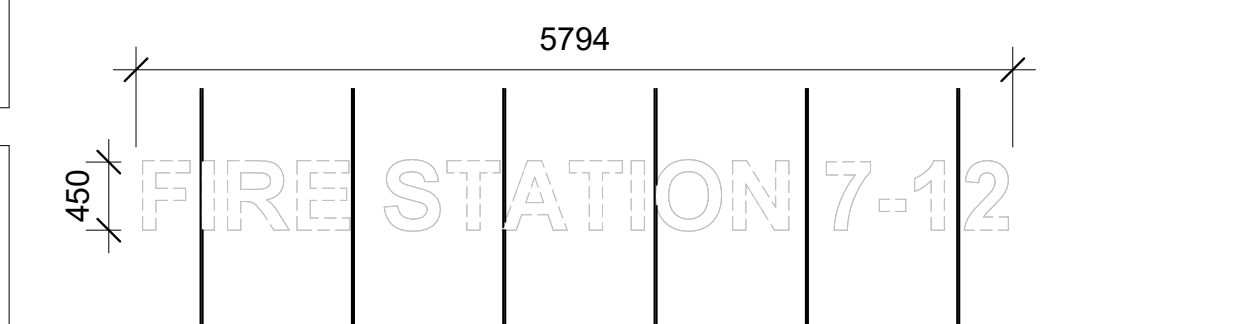
1 GENERAL NOTES - BUILDING ELEVATIONS A700 GENERAL NOTES - BUILDING ELEVATIONS

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH MECHANICAL AND ELECTRICAL DRAWINGS PREPARED BY THE MECHANICAL AND ELECTRICAL ENGINEERS TO DETERMINE LOCATIONS OF ALL MECHANICAL AND ELECTRICAL PENETRATIONS, FIXTURES, DEVICES ETC. ELEVATION DRAWINGS MAY NOT SHOW ALL PENETRATIONS. CONTRACTOR TO REVIEW ALL CONTRACT DRAWINGS AND SPECIFICATIONS TO DETERMINE FULL SCOPE OF WORK. MAKE PROVISIONS FOR PENETRATIONS WHERE INDICATED AND REQUIRED UNDER THE SCOPE OF THIS CONTRACT.
- ELEVATION DRAWINGS MAY NOT SHOW ALL FIXTURES, DEVICES ETC. CONTRACTOR TO REVIEW ALL CONTRACT DRAWINGS AND SPECIFICATIONS TO DETERMINE FULL SCOPE OF WORK. REPORT ANY DISCREPANCIES WITH MECHANICAL AND ELECTRICAL DRAWINGS TO CONSULTANT IMMEDIATELY. OBTAIN INSTRUCTION FROM CONSULTANT BEFORE COMMENCING INSTALLATION.
- LOCATION OF FIXTURES, DEVICES ETC. AS SHOWN ON ELEVATION DRAWINGS SHALL BE INSTALLED IN THE LOCATIONS INDICATED. UNLESS SPECIFICALLY DIMENSIONED, FIXTURES SUCH AS WALL MOUNTED LIGHTS SHALL BE CENTERED OVER OPENINGS.

- BUILDING ELEVATION NOTES**
- | NUMBER | NOTE |
|--------|--------------------------------------|
| 1 | BRICK MASONRY VENEER |
| 2 | LIGHT FIXTURE |
| 3 | PREFINISHED METAL COPING |
| 4 | PREFINISHED ALUMINUM PANEL SYSTEM |
| 5 | GLAZING |
| 6 | PREFINISHED BAY DOOR (4-FOLD) |
| 7 | CUSTOM SIGNAGE |
| 8 | LOUVER SYSTEM |
| 9 | WALL MOUNTED LIGHT FIXTURE |
| 10 | STANDING SEAM METAL ROOFING |
| 11 | ANODIZED ALUMINUM GLASS DOOR |
| 12 | PREFINISHED OVERHEAD DOOR |
| 13 | PTD HOLLOW METAL DOOR |
| 14 | FENCING SCREEN |
| 15 | LIGHT FIXTURE POLE |
| 16 | P-GATES |
| 20 | FLAGPOLE CW DECORATIVE CONCRETE BASE |
| 30 | BUILDING SIAMSE |
| 31 | ROOF SCUPPER |
| 32 | CCTV CAMERA |

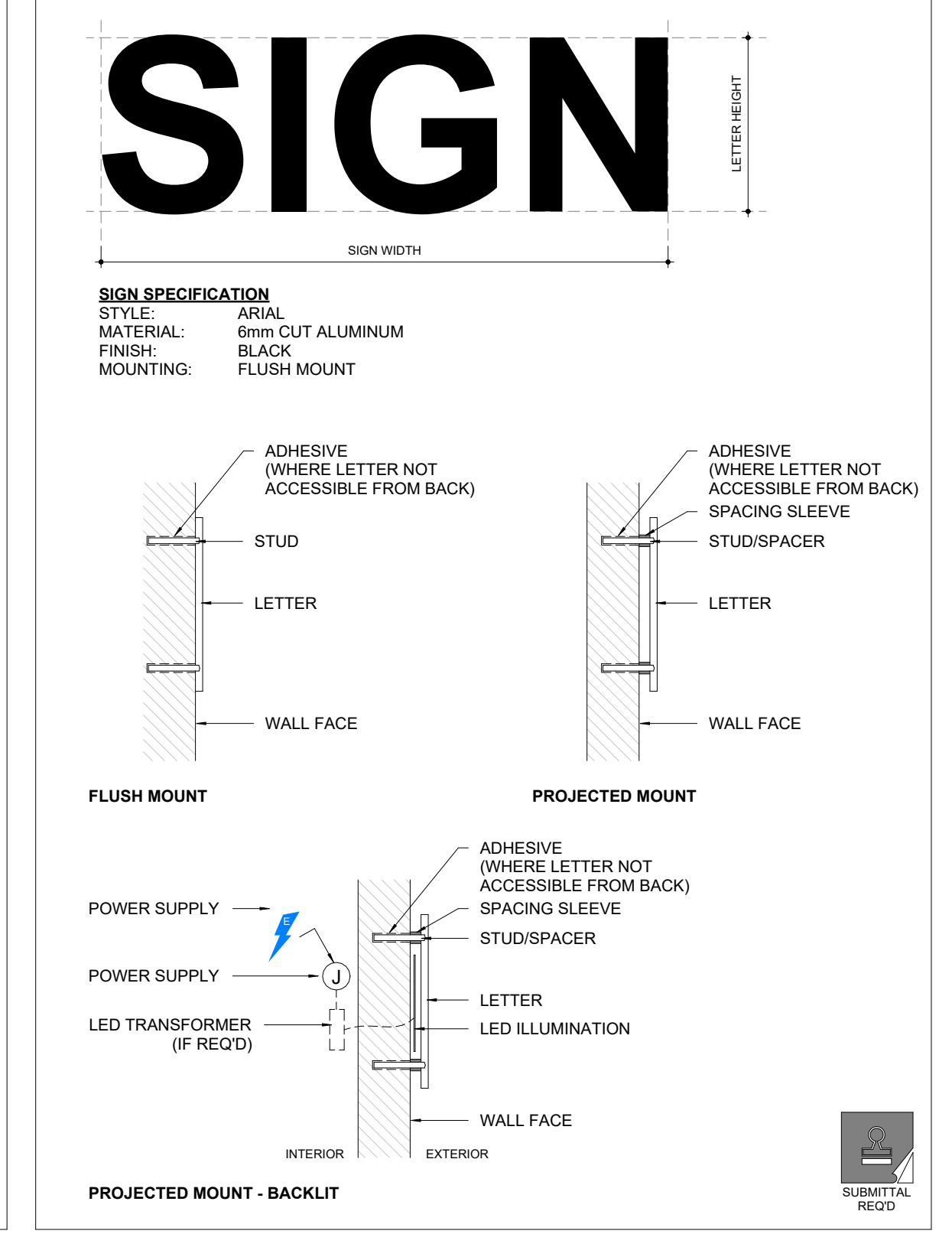


4 BUILDING SIGNAGE
1:50



5 BUILDING SIGNAGE
1:50

6 / A5.1 10-040 - BUILDING SIGN DETAILS (EXTERIOR)



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7	SITE PLAN SUBMISSION 1	2022-05-31
10	SPA RE-SUBMISSION	2022-08-30
17	SPA - REVISION	2023-08-30
18	ISSUED FOR PERMIT	2023-09-15
19	ISSUED FOR RFPQ	2023-10-19
23	BUILDING PERMIT - BUILDING HEIGHT	2023-12-04
24	ISSUED FOR CLASS A	2024-02-16
26	T24-253 - IFT	2024-04-15



FILE NO. SP.22.V.0191

CITY OF VAUGHAN
FIRE STATION 7-12
9511 WESTON ROAD, VAUGHAN



THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF THE WORK. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT.

ARCHITECT
THOMASBROWNARCHITECTS
197 SPADINA AVENUE, SUITE 500 | TORONTO ONTARIO | M5T 2C8

PROFESSIONAL SEAL

DWG TITLE
BUILDING ELEVATIONS

ORIENTATION

DATE
2021-11-24

SCALE
As indicated

DWG STATUS
TENDER

PROJECT No.
2104

DRAWING No.
A5.1

REVISION
26

2024-04-19 10:47:12 AM



NO.	ISSUED FOR	DATE
7	SITE PLAN SUBMISSION 1	2022-05-31
10	SPA RE-SUBMISSION 1	2022-08-30
17	SPA - REVISION	2023-08-30
18	ISSUED FOR PERMIT	2023-09-15
19	ISSUED FOR REFPO	2023-10-19
24	ISSUED FOR CLASS A	2024-02-16
26	T24-253 - IFT	2024-04-15



FILE NO. SP.22.V.0191

CITY OF VAUGHAN FIRE STATION 7-12

9511 WESTON ROAD, VAUGHAN

PROJECT :

CLIENT :



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ARCHITECT
THOMASBROWNARCHITECTS
197 SPADINA AVENUE, SUITE 500 | TORONTO ONTARIO | M5T 2C8

PROFESSIONAL SEAL

DWG TITLE

**BUILDING
ELEVATIONS**

ORIENTATION

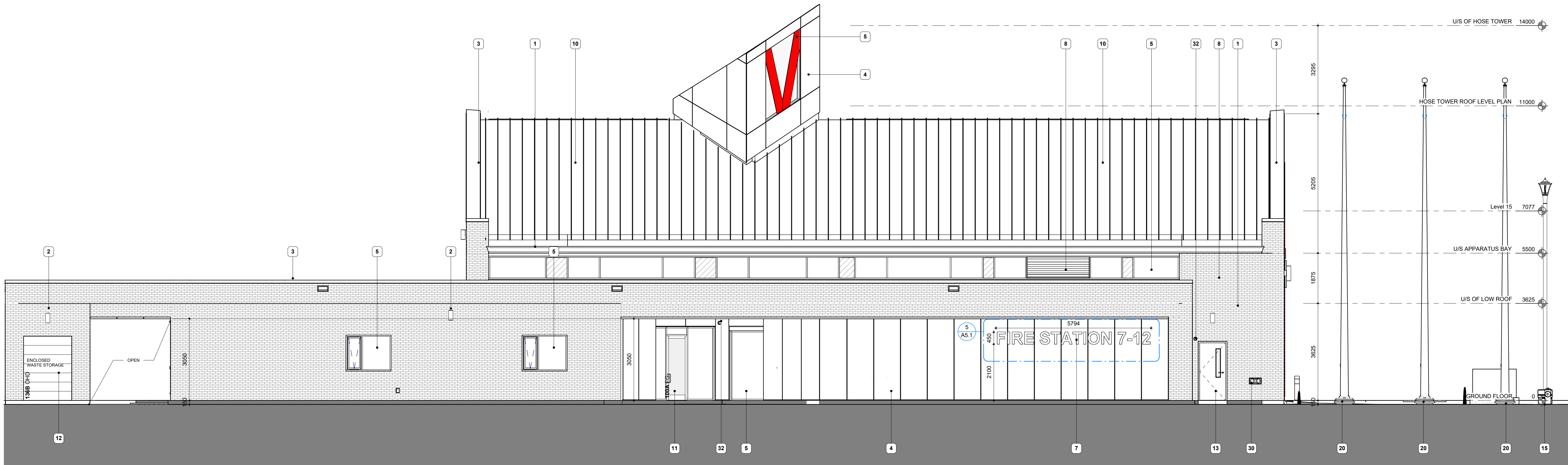
DATE 2021-11-24

SCALE 1 : 75 DRAWN BY SRL

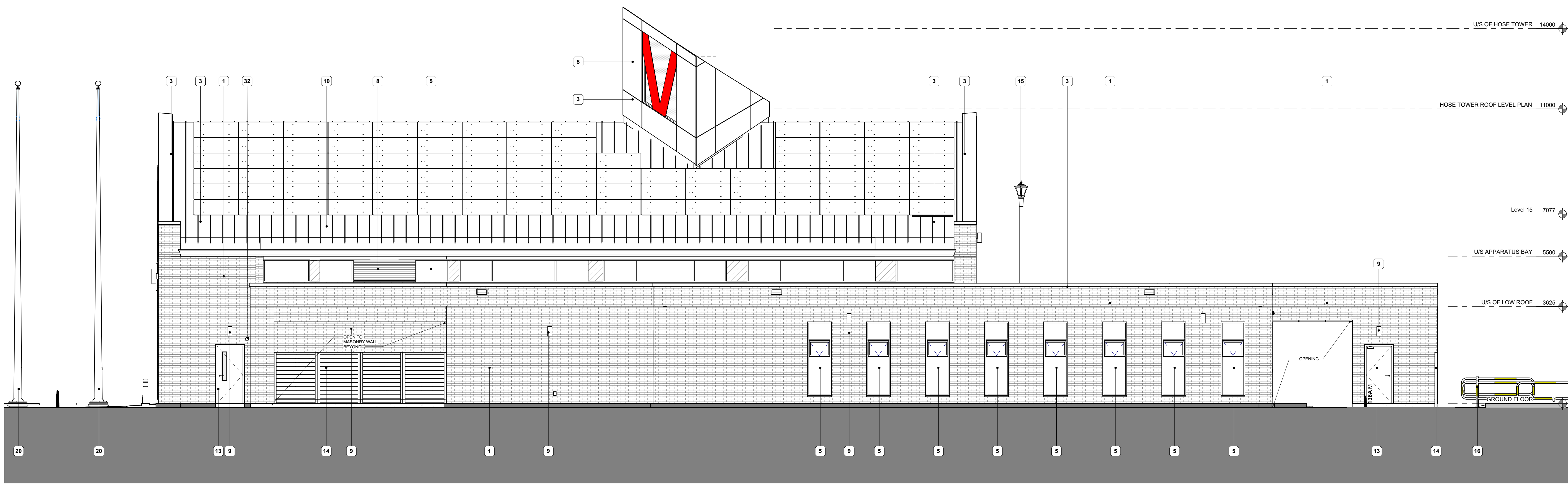
DWG STATUS : **TENDER**

PROJECT No. 2104

DRAWING No. **A5.2** REVISION 26



1 - Building Elevations -
1:75



2 - Building Elevations -
1:75

2024-04-19 10:47:25 AM

NO.	ISSUED FOR	DATE
16	DD CLIENT REVIEW	2023-07-24
18	ISSUED FOR PERMIT	2023-09-15
19	ISSUED FOR RFPQ	2023-10-19
24	ISSUED FOR CLASS A	2024-02-16
26	T24-253 - IFT	2024-04-15



FILE NO. SP.22.V.0191

CITY OF VAUGHAN FIRE STATION 7-12

9511 WESTON ROAD, VAUGHAN

PROJECT :

CLIENT :

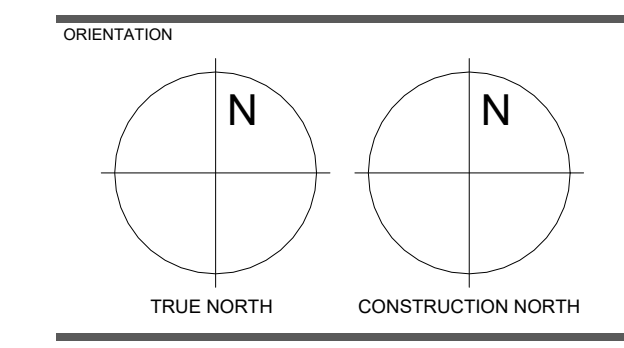


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ARCHITECT
THOMASBROWNARCHITECTS
197 SPADINA AVENUE, SUITE 500 | TORONTO ONTARIO | M5T 2C8

PROFESSIONAL SEAL

CLADDING, GLAZING AND LOUVER ELEVATIONS



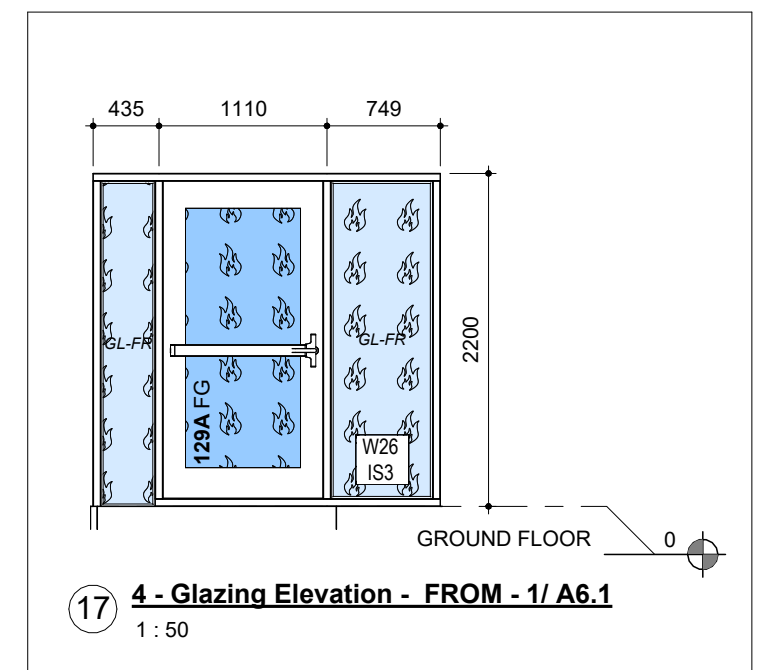
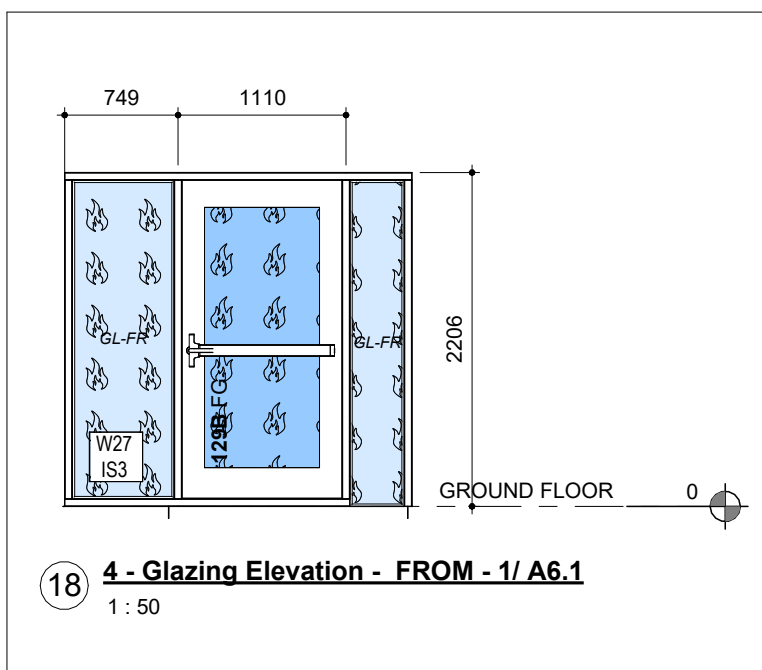
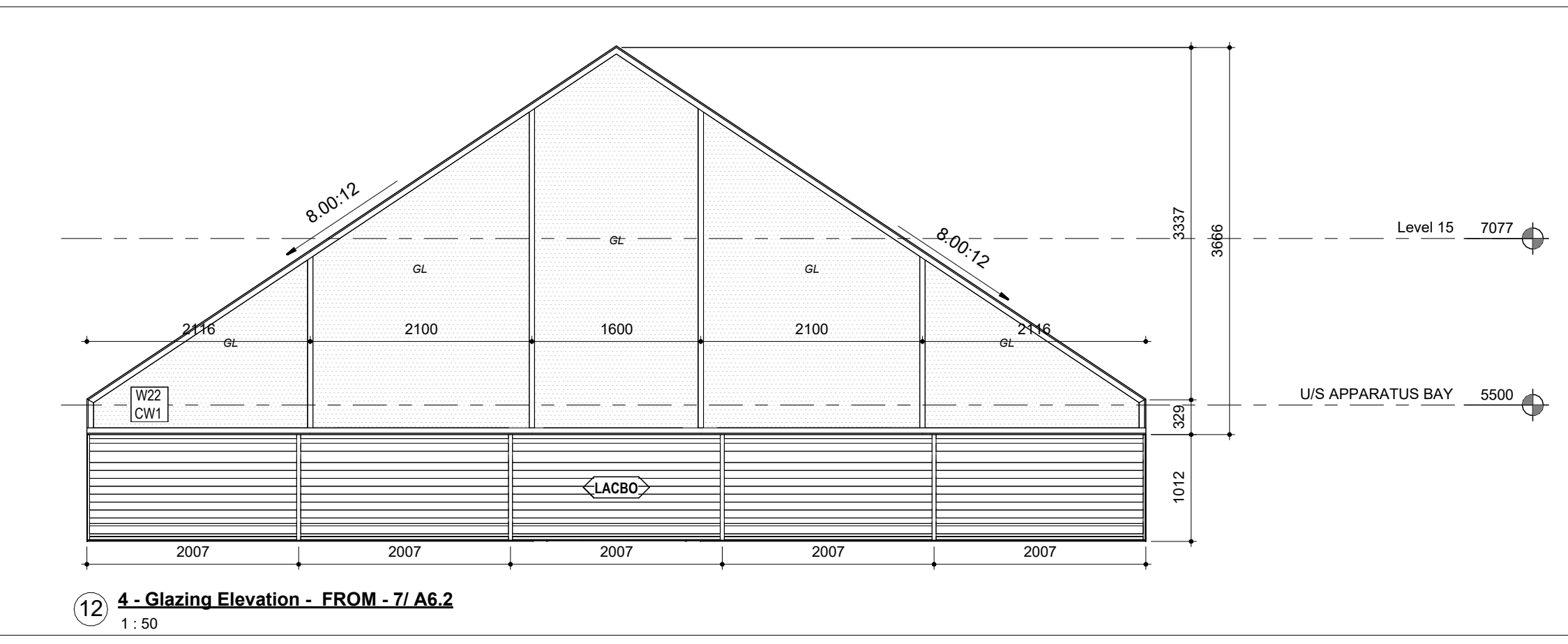
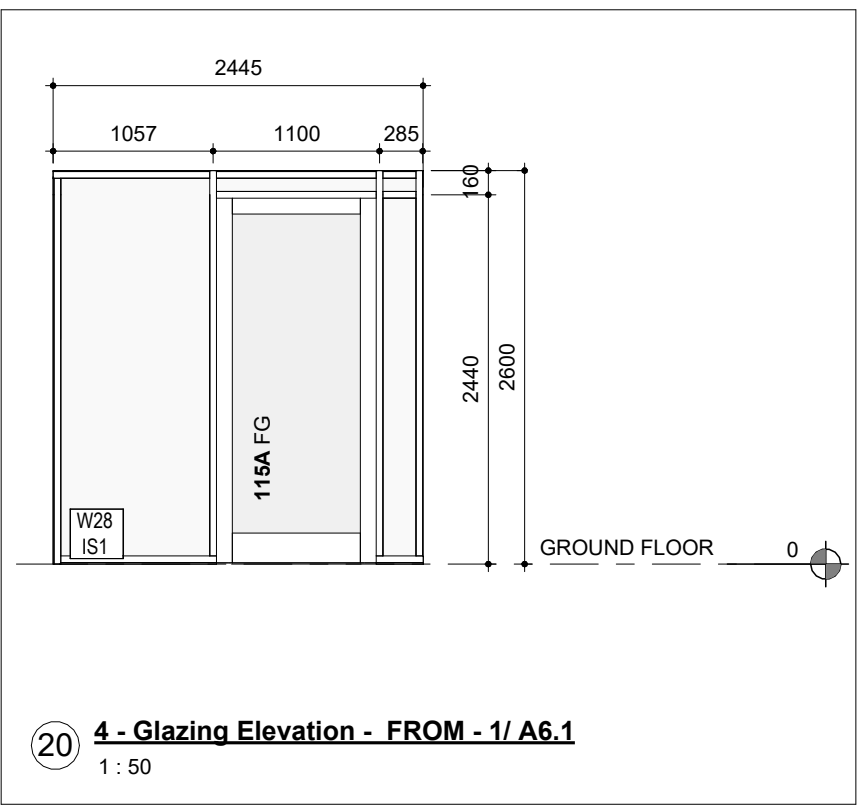
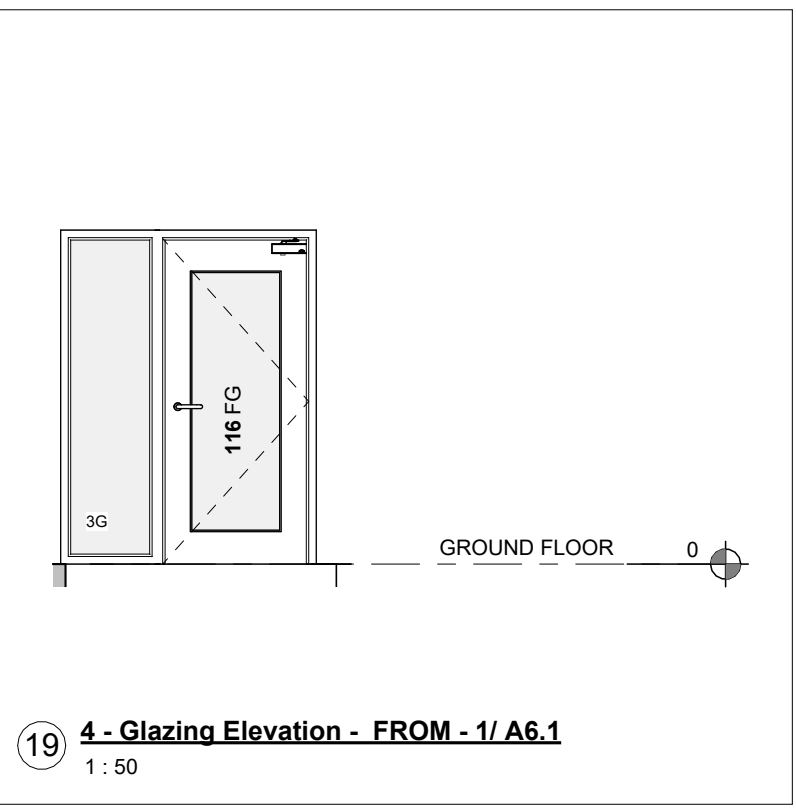
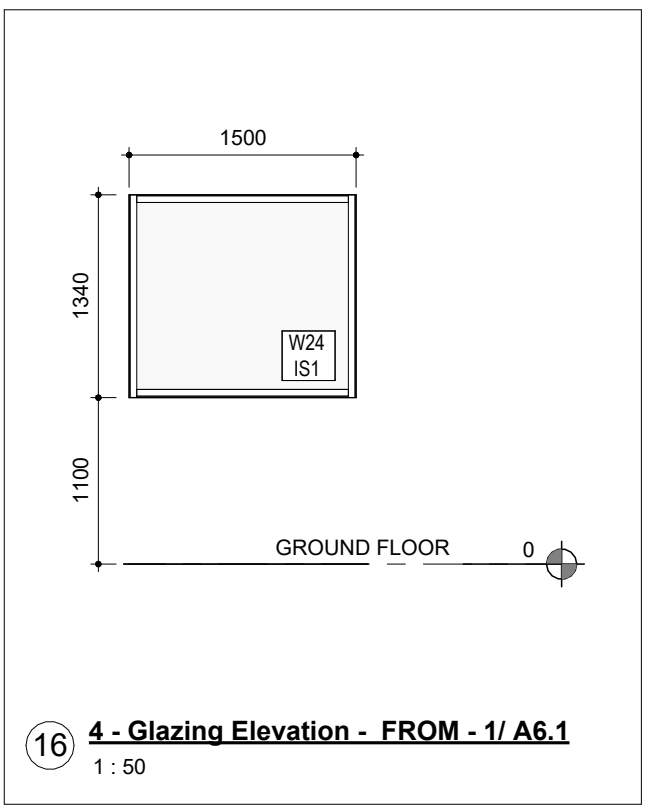
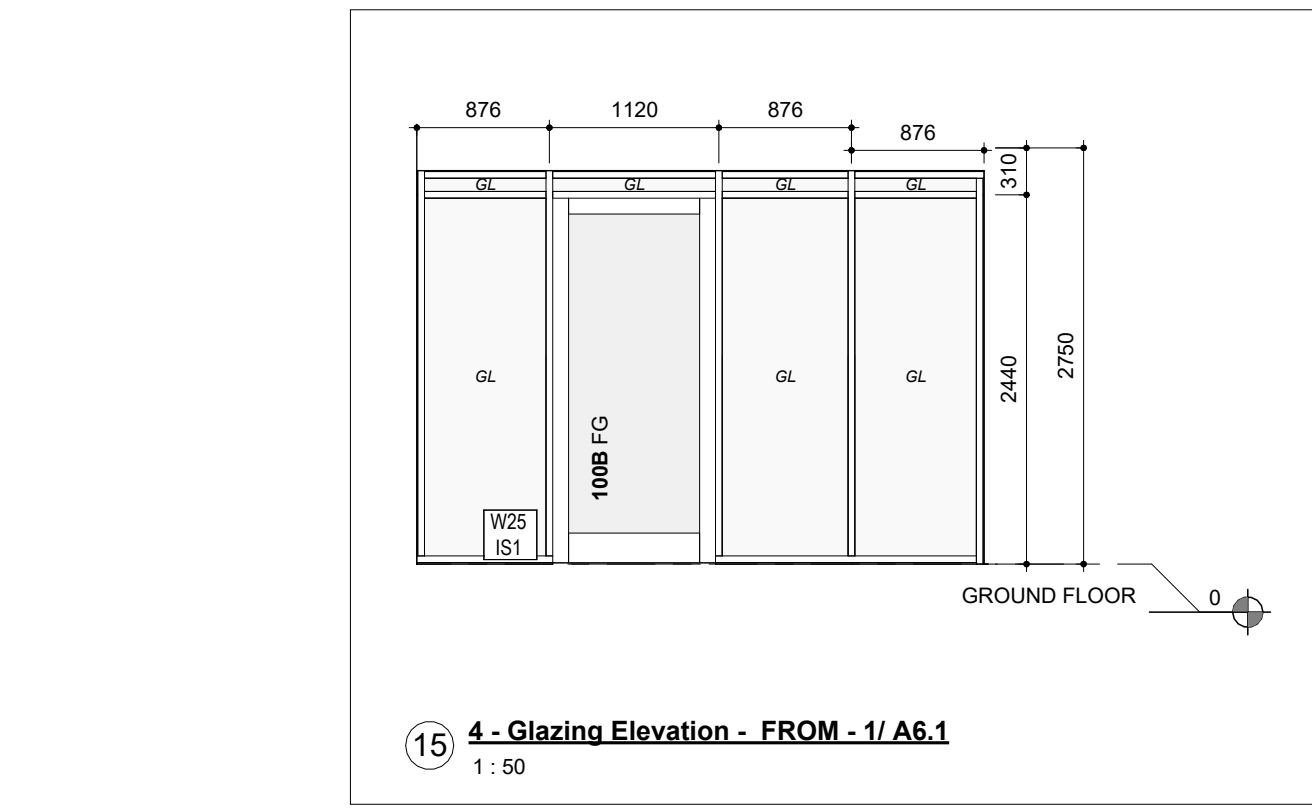
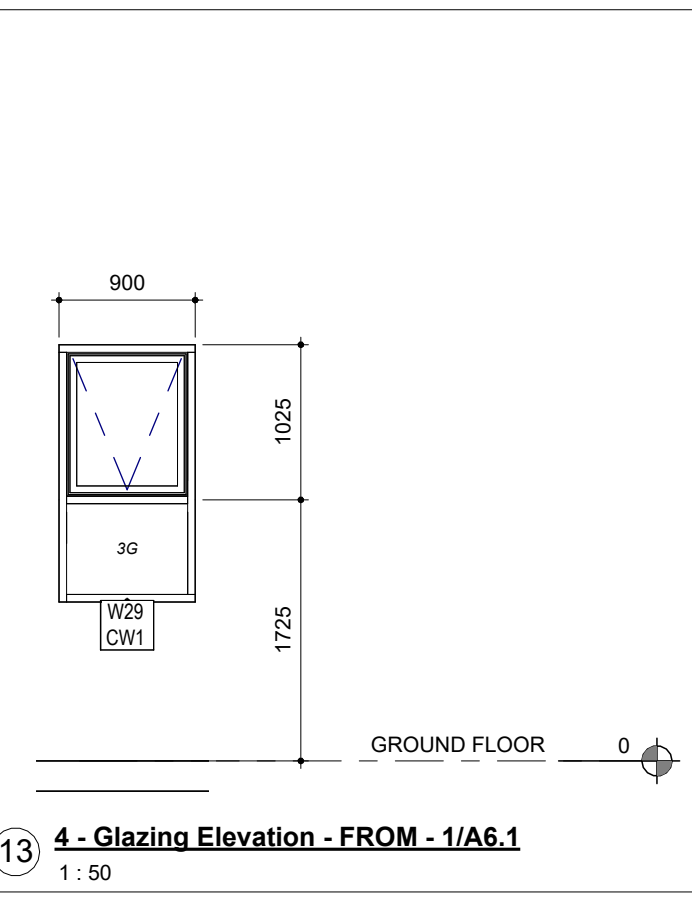
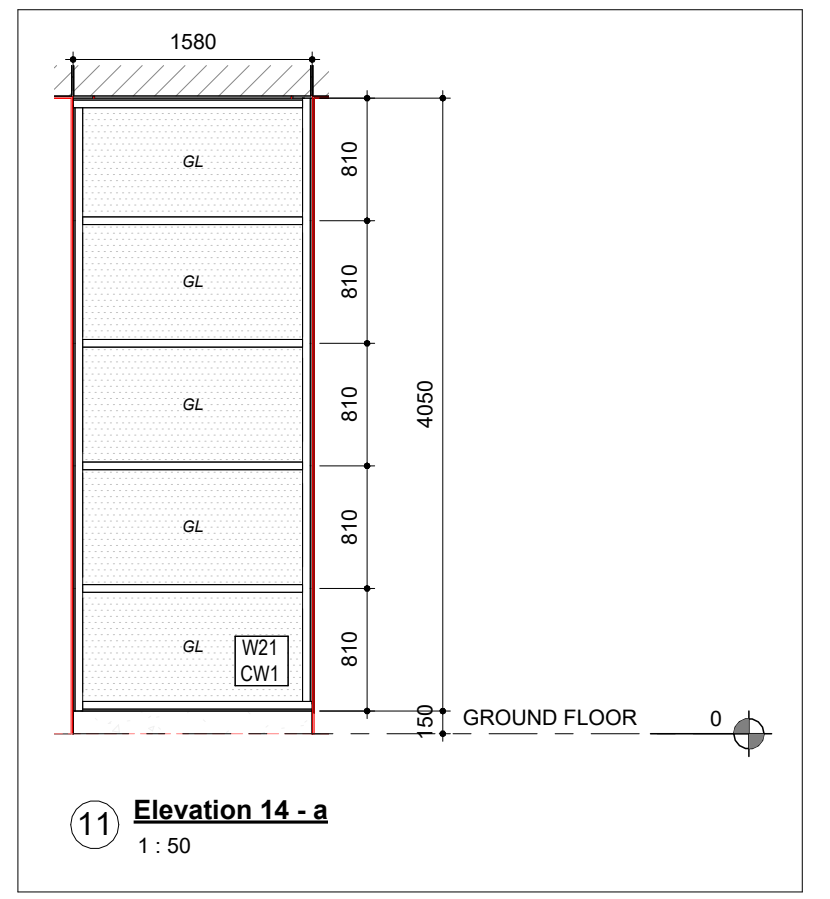
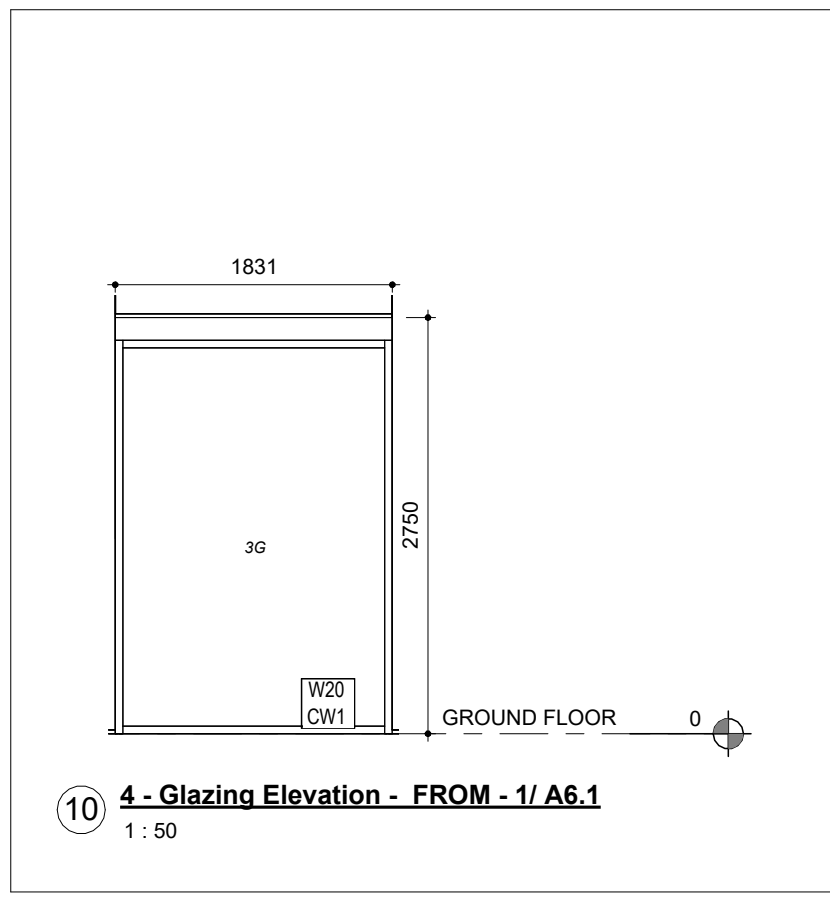
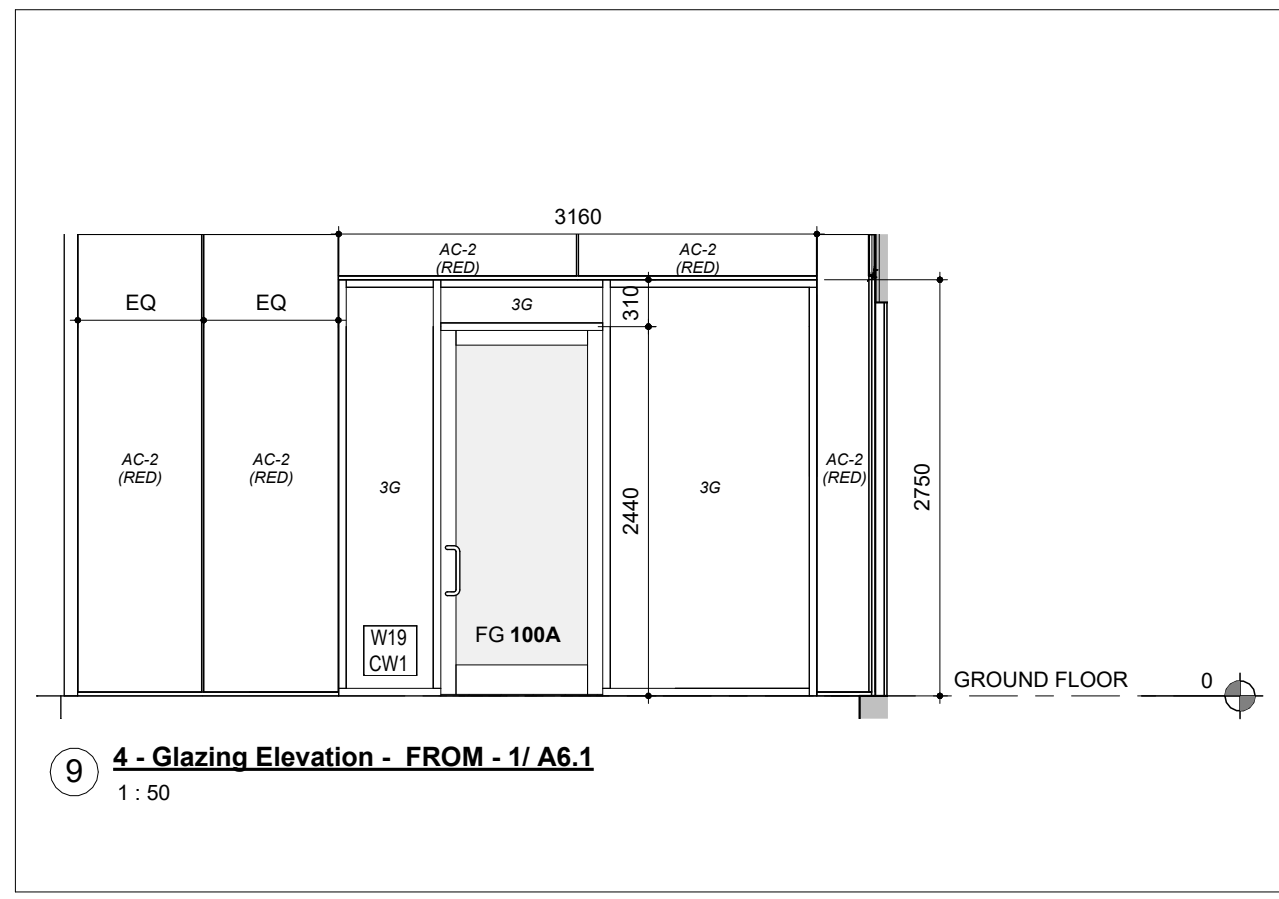
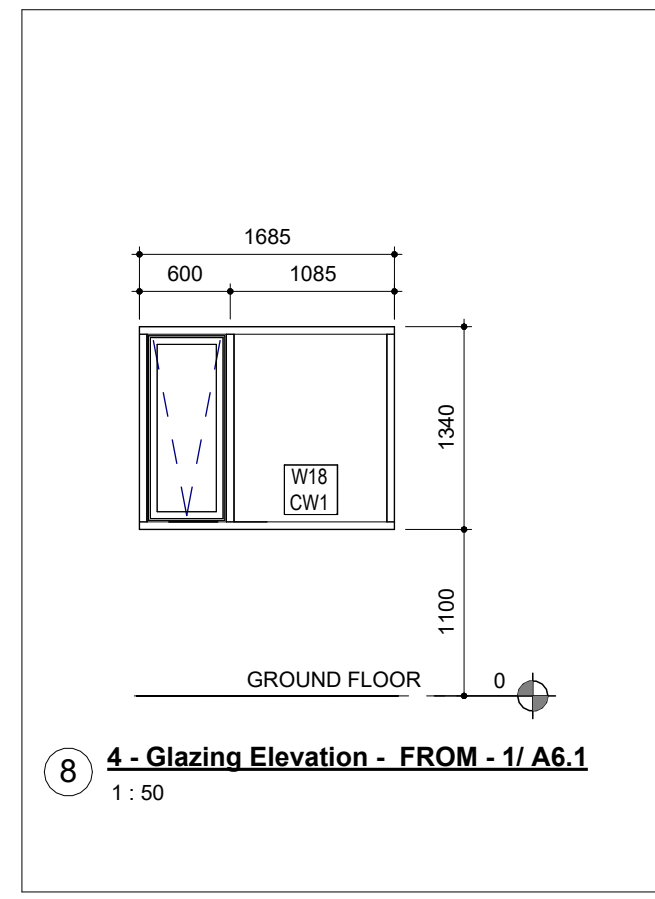
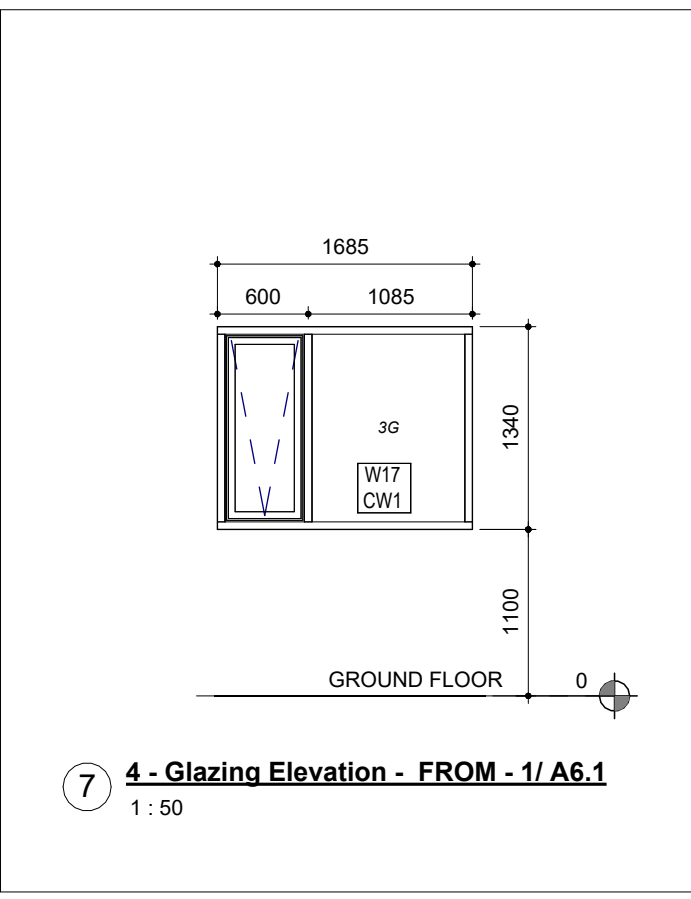
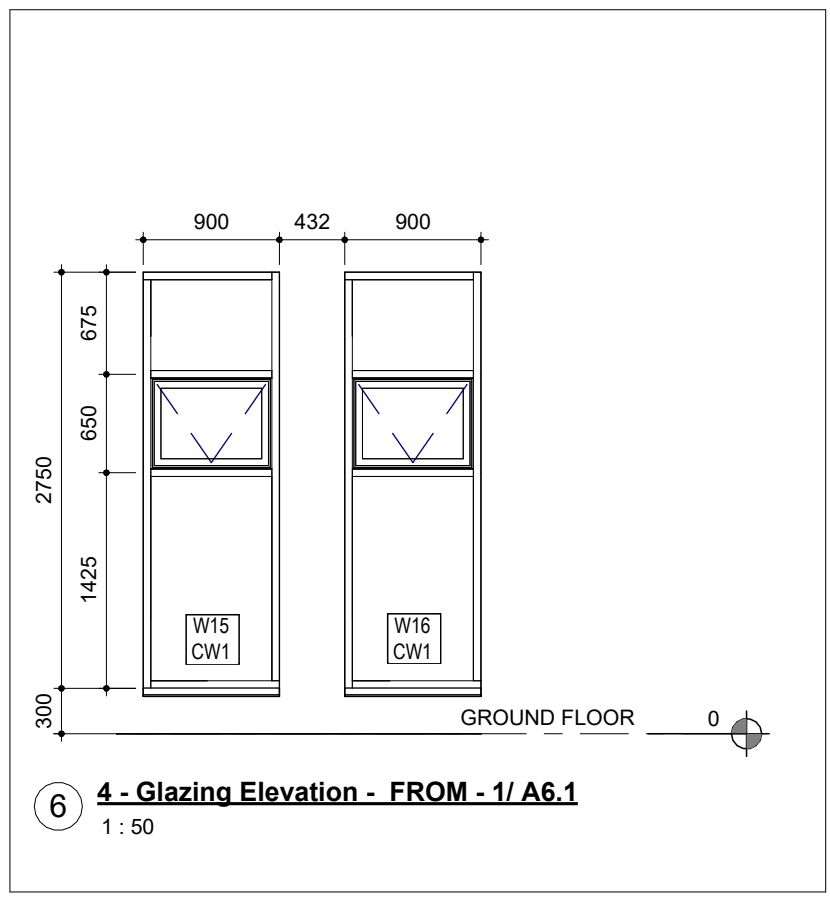
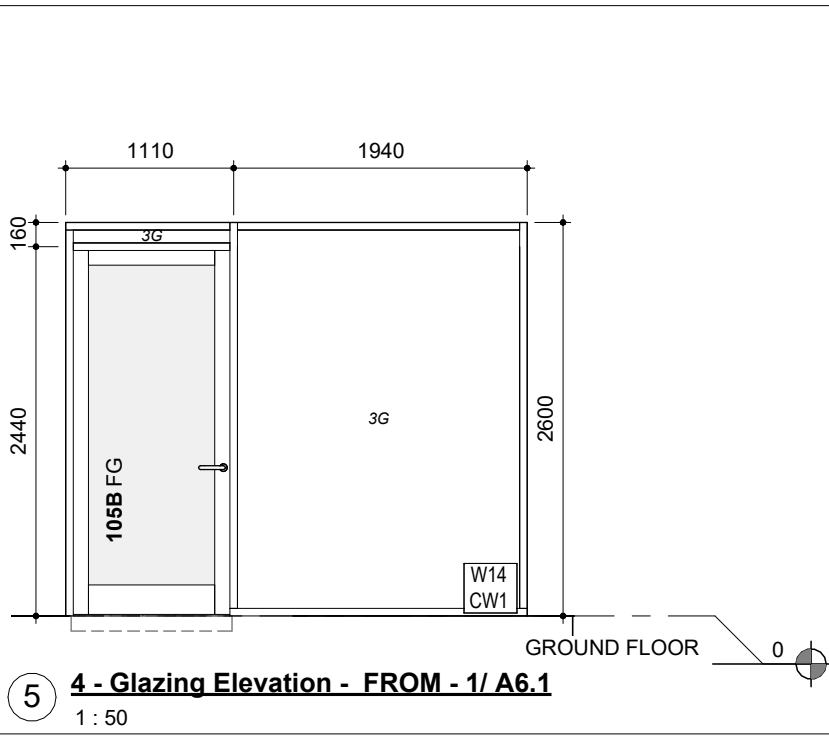
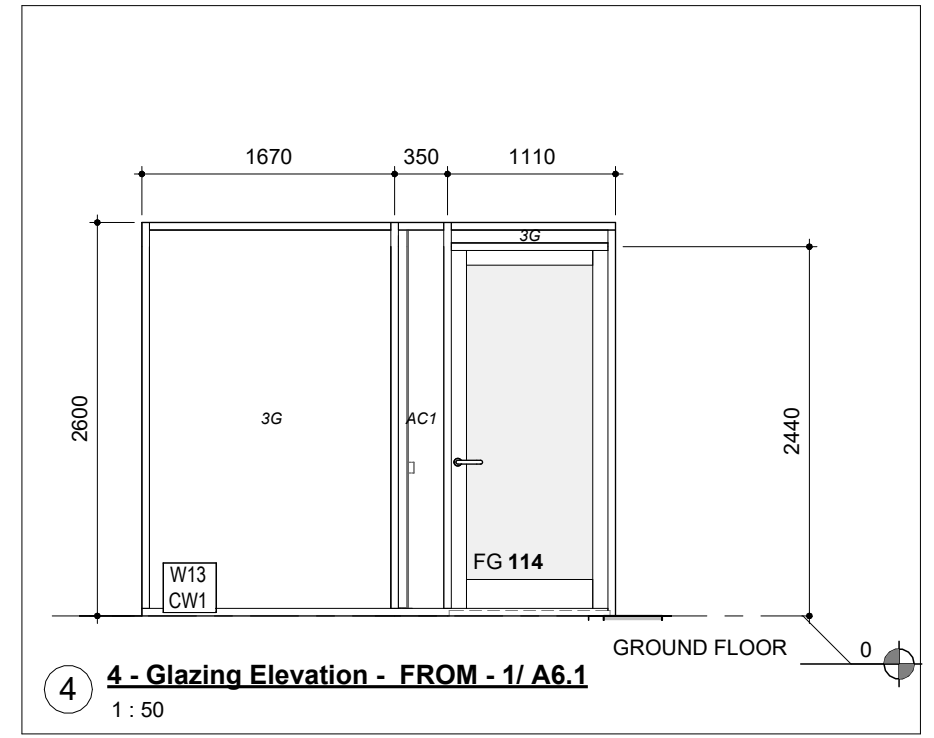
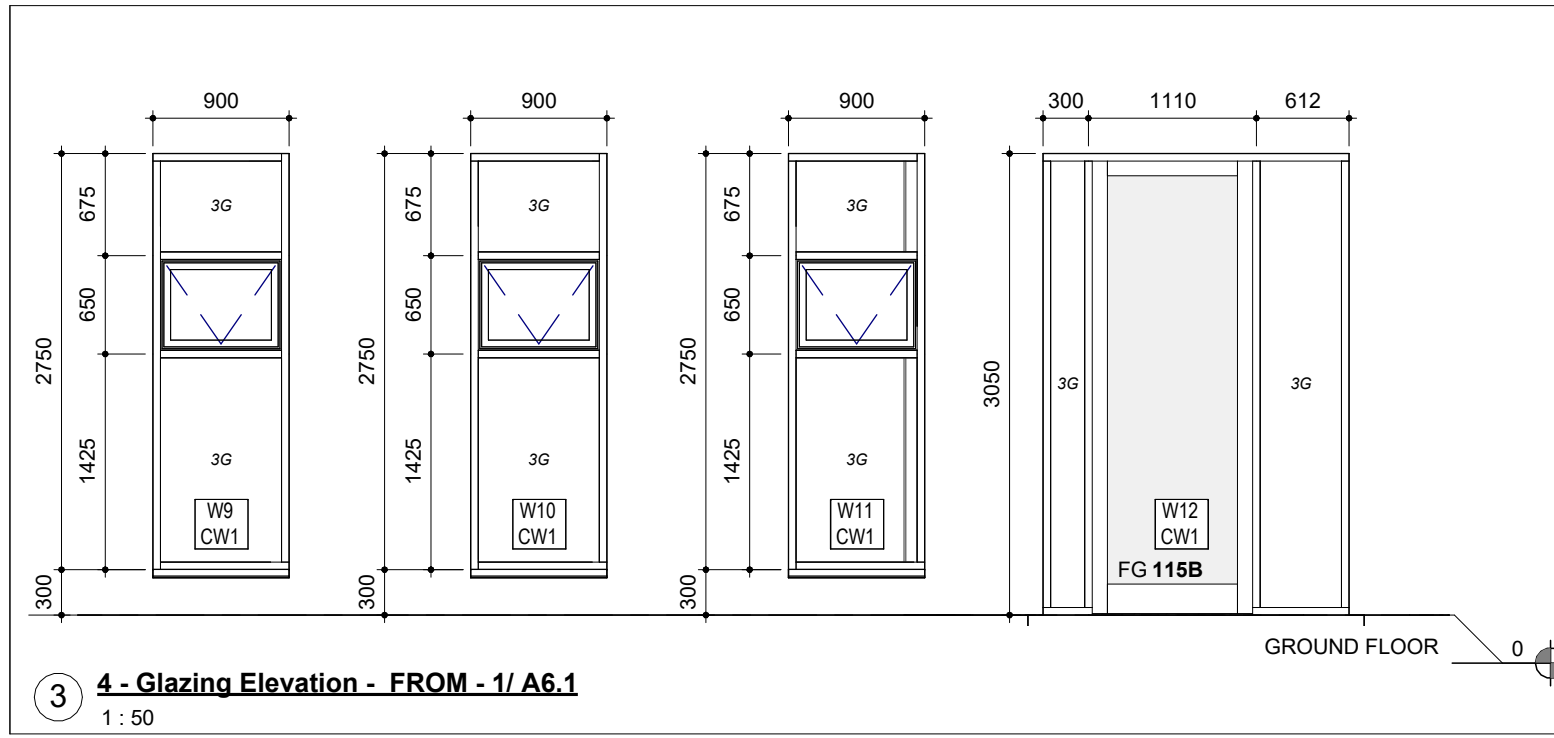
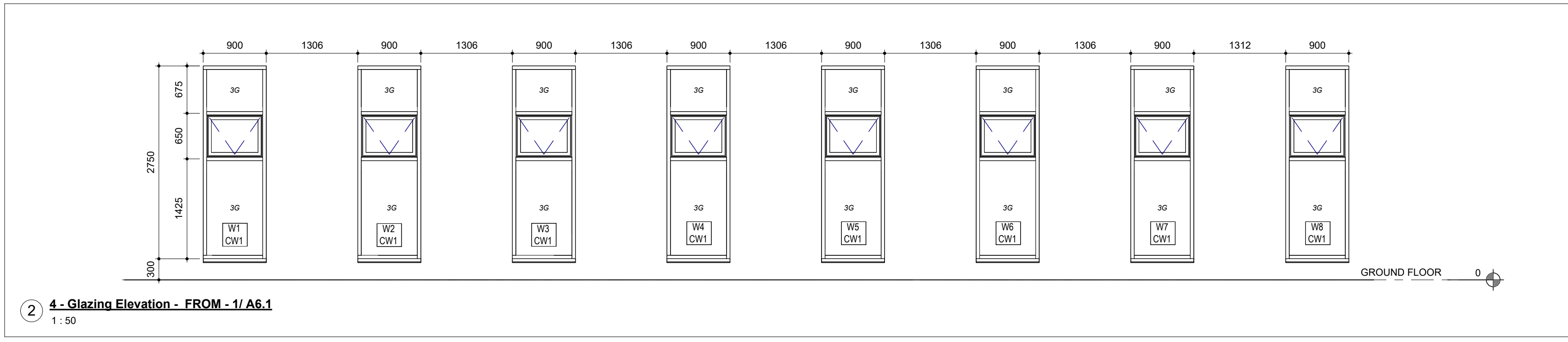
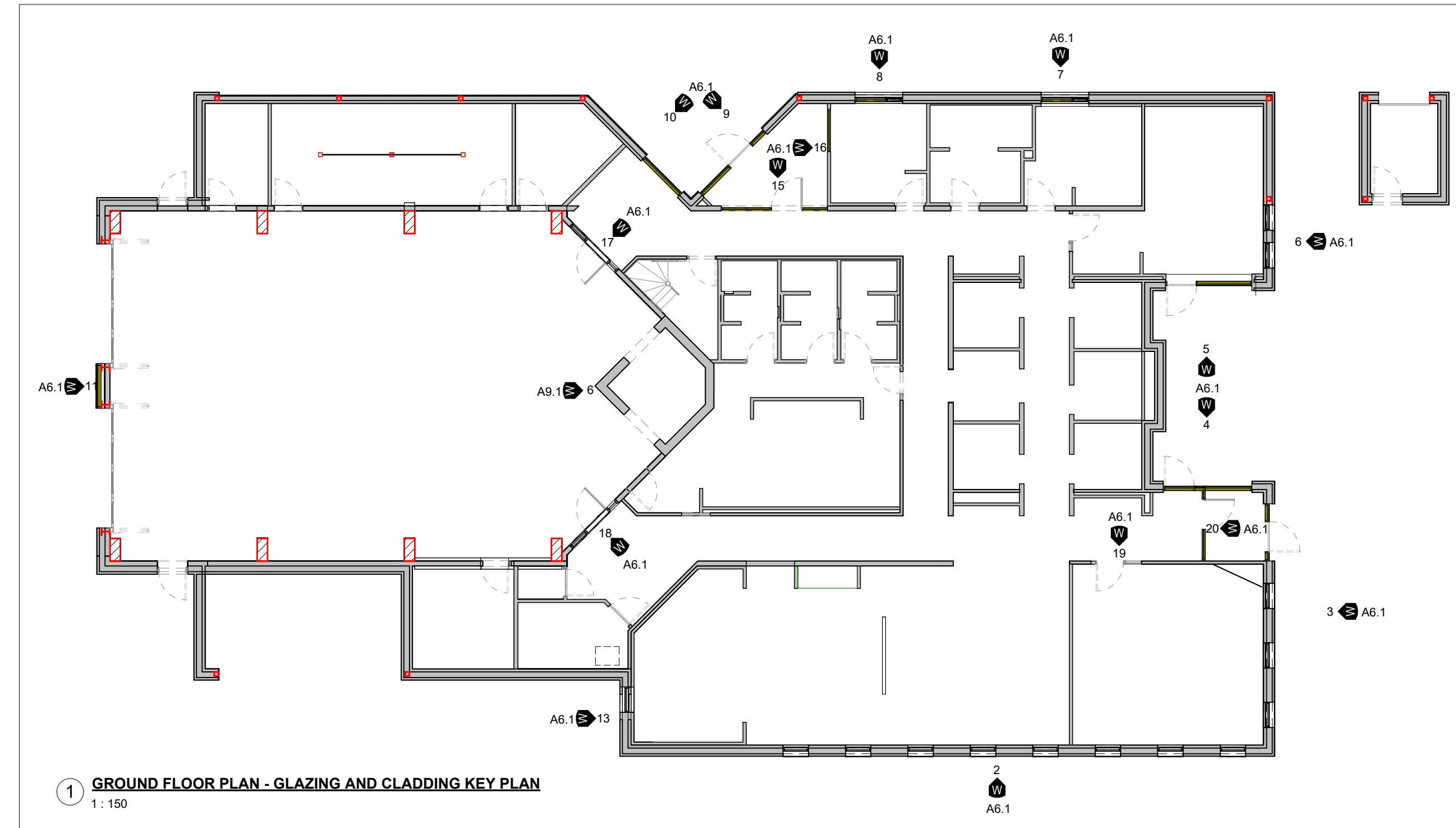
DATE: 2021-11-24

SCALE: As indicated DRAWN BY: SRL

DWG STATUS: TENDER

PROJECT NO.: 2104

DRAWING NO.: A6.1 REVISION: 26



S-04 - Schedule - Window - Basis of Design

TYPE	SPECIFIED BASIS OF DESIGN
W1	FWS 50.SI
W2	FWS 50.SI
W3	FWS 50.SI
W4	FWS 50.SI
W5	FWS 50.SI
W6	FWS 50.SI
W7	FWS 50.SI
W8	FWS 50.SI
W9	FWS 50.SI
W10	FWS 50.SI
W11	FWS 50.SI
W12	FWS 50.SI
W13	FWS 50.SI
W14	FWS 50.SI
W15	FWS 50.SI
W16	FWS 50.SI
W17	FWS 50.SI
W18	FWS 50.SI
W19	FWS 50.SI
W20	FWS 50.SI
W21	FWS 50.SI
W22	BASIS OF DESIGN KAWNEER 1620 SSG OR EQUIVALENT
W24	BASIS OF DESIGN KAWNEER 451 OR EQUIVALENT
W25	BASIS OF DESIGN KAWNEER 451 OR EQUIVALENT
W26	BASIS OF DESIGN FLEMING TYPE 'D' FRAME OR EQUIVALENT
W27	BASIS OF DESIGN FLEMING TYPE 'D' FRAME OR EQUIVALENT
W28	BASIS OF DESIGN KAWNEER 451 OR EQUIVALENT
W29	FWS 50.SI
W30	FWS 50.SI

2024-04-19 10:47:32 AM

NO.	ISSUED FOR	DATE
12	2022 UPDATE	2022-12-20
16	DD CLIENT REVIEW	2023-07-24
18	ISSUED FOR PERMIT	2023-09-15
19	ISSUED FOR RFP/Q	2023-10-19
24	ISSUED FOR CLASS A	2024-02-18
26	T24-253 - IFT	2024-04-15



FILE NO. SP.22.V.0191

CITY OF VAUGHAN FIRE STATION 7-12

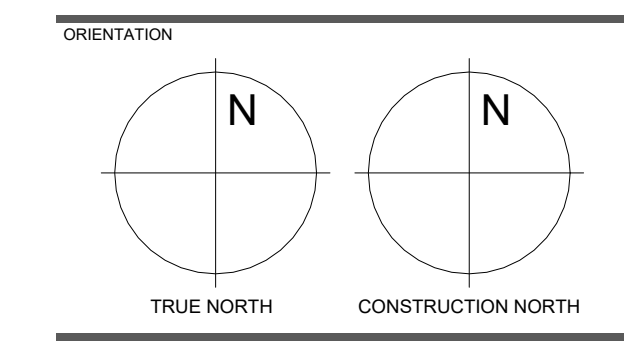
9511 WESTON ROAD, VAUGHAN



ARCHITECT
THOMASBROWNARCHITECTS
197 SPADINA AVENUE, SUITE 500 | TORONTO ONTARIO | M5T 2C8

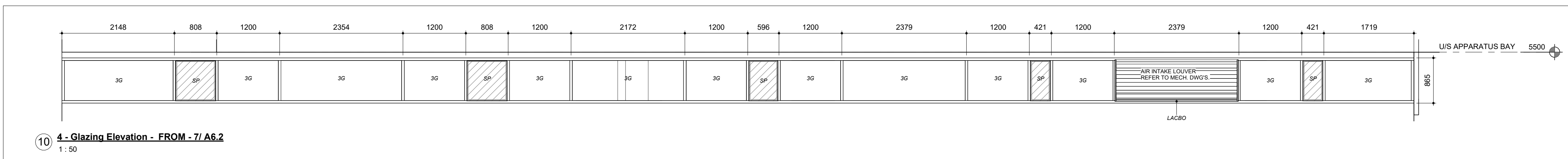
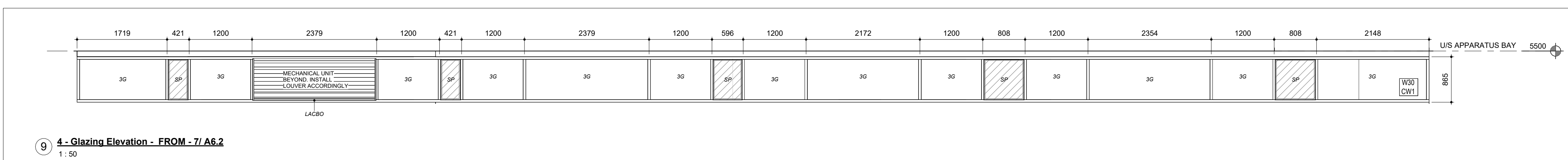
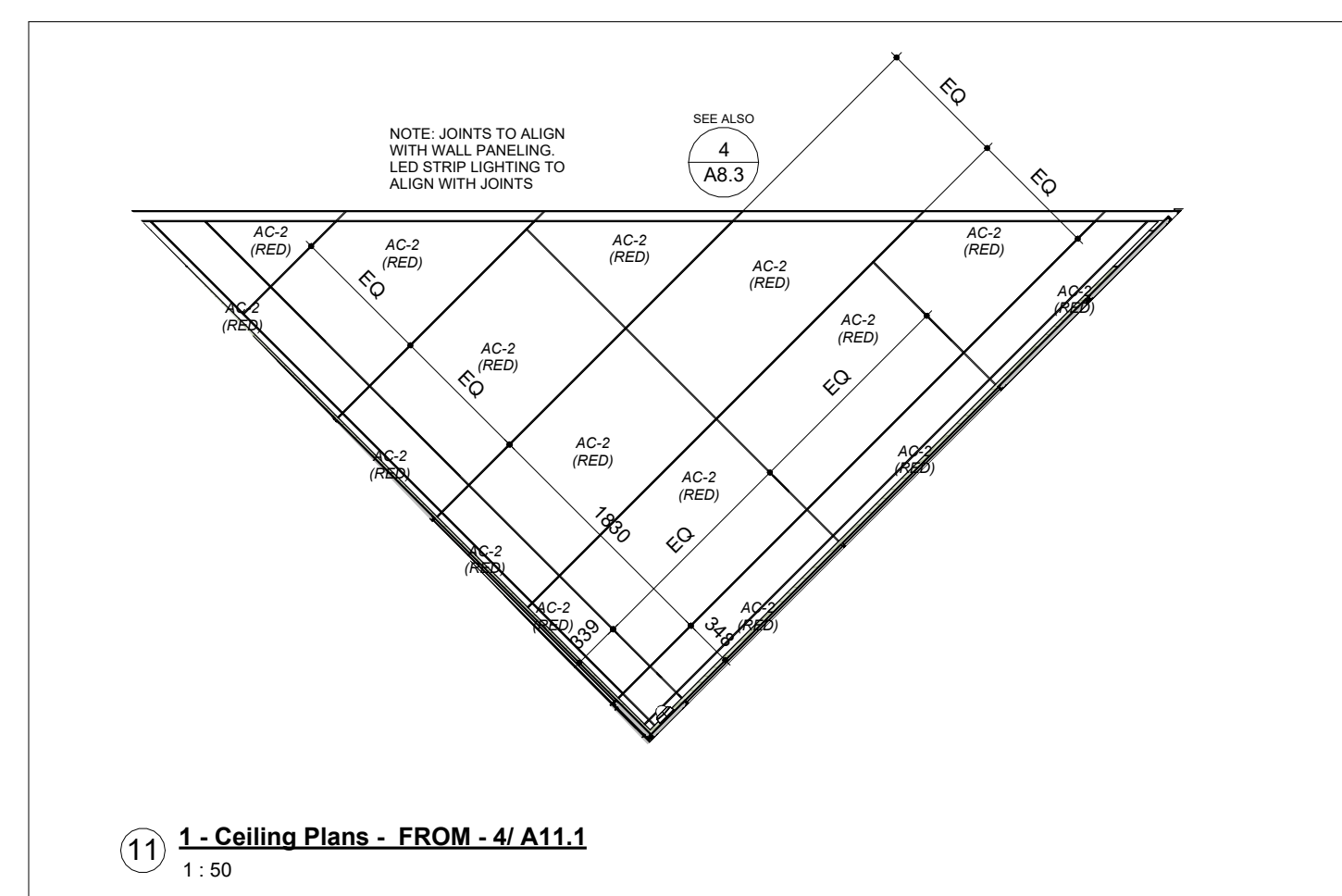
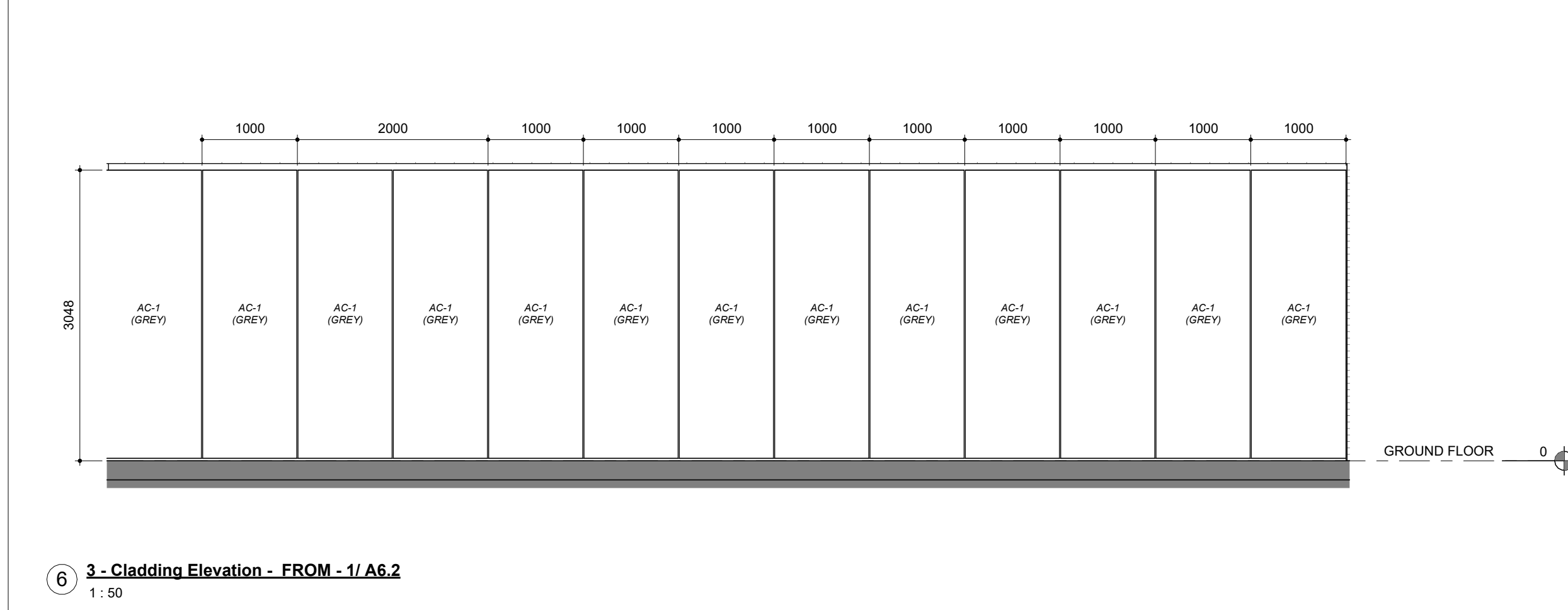
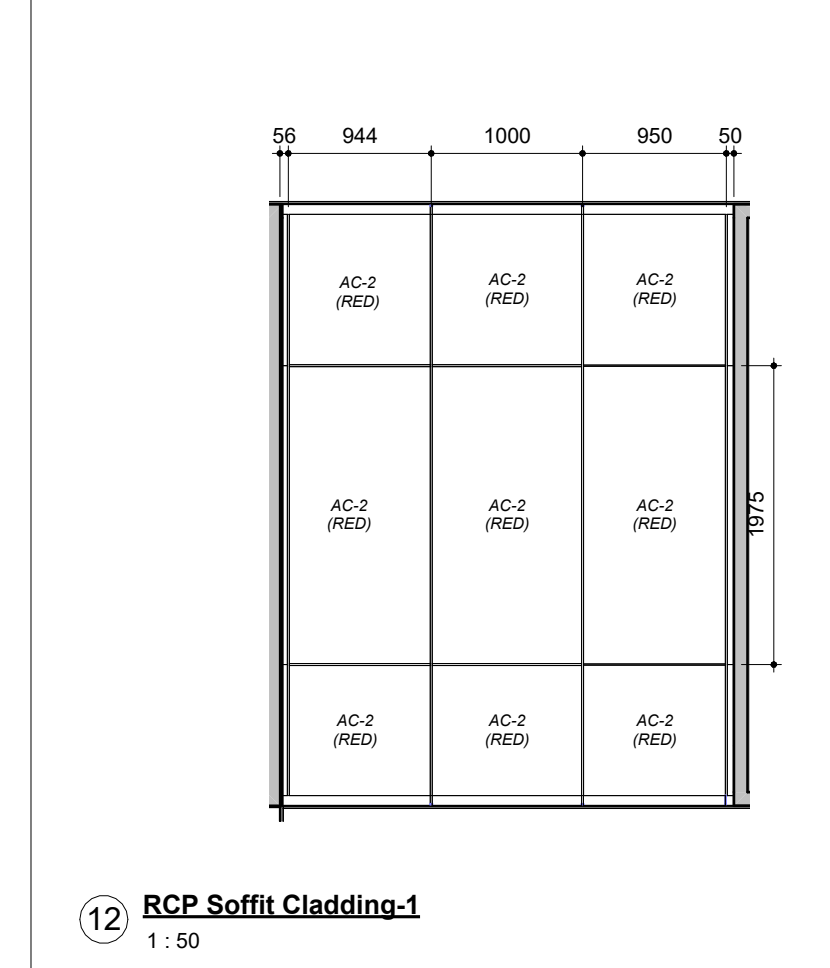
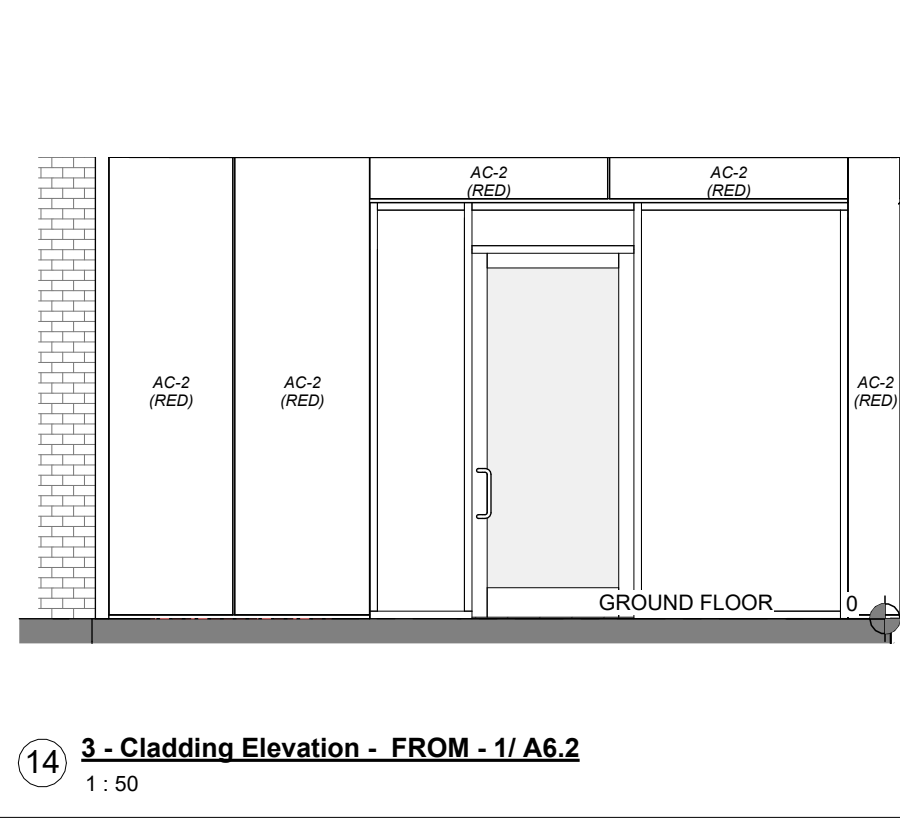
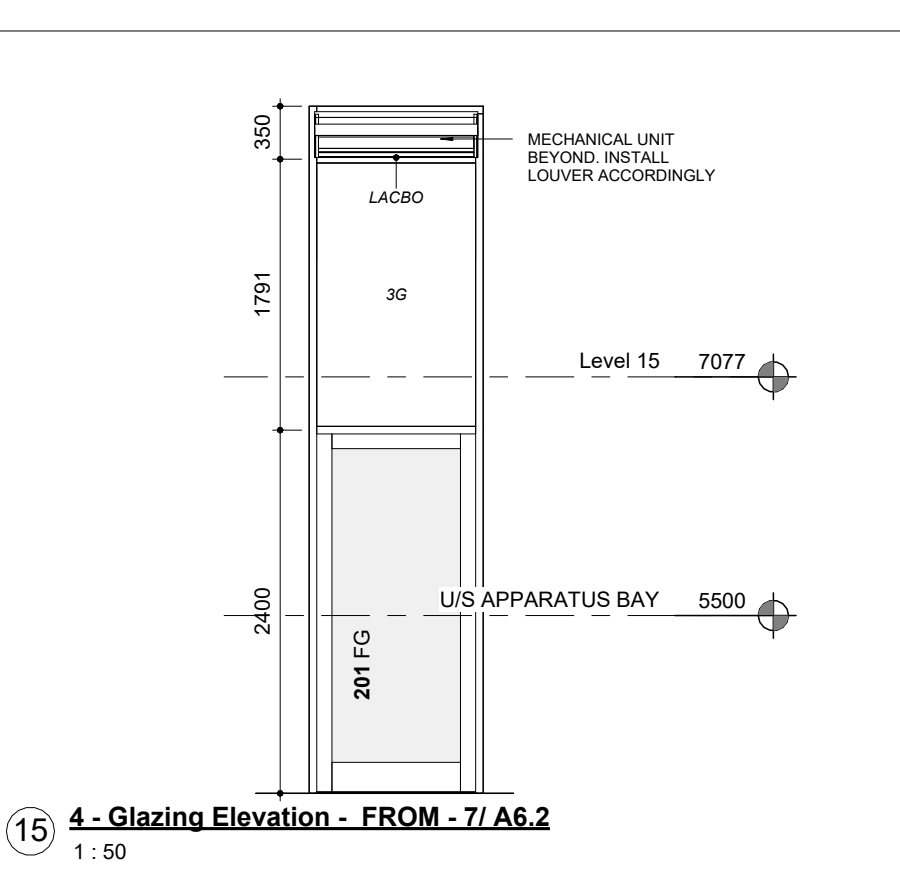
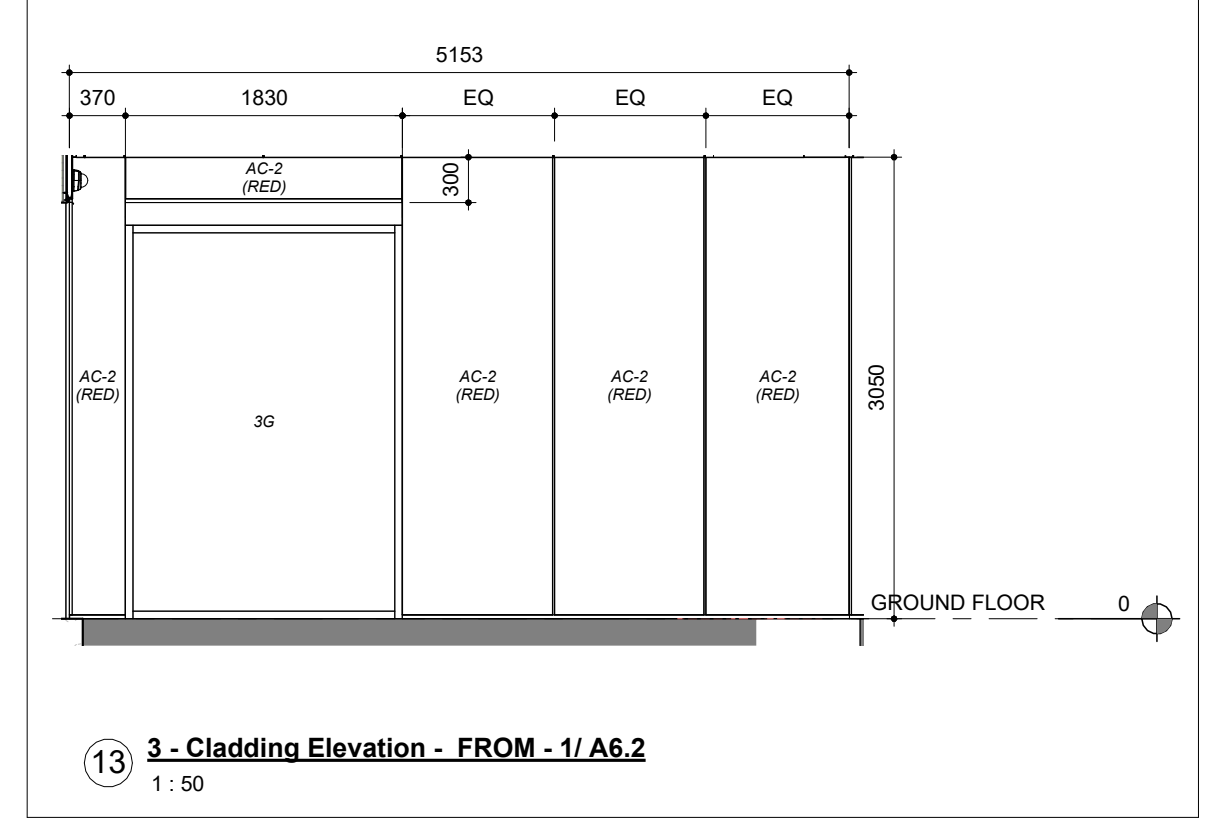
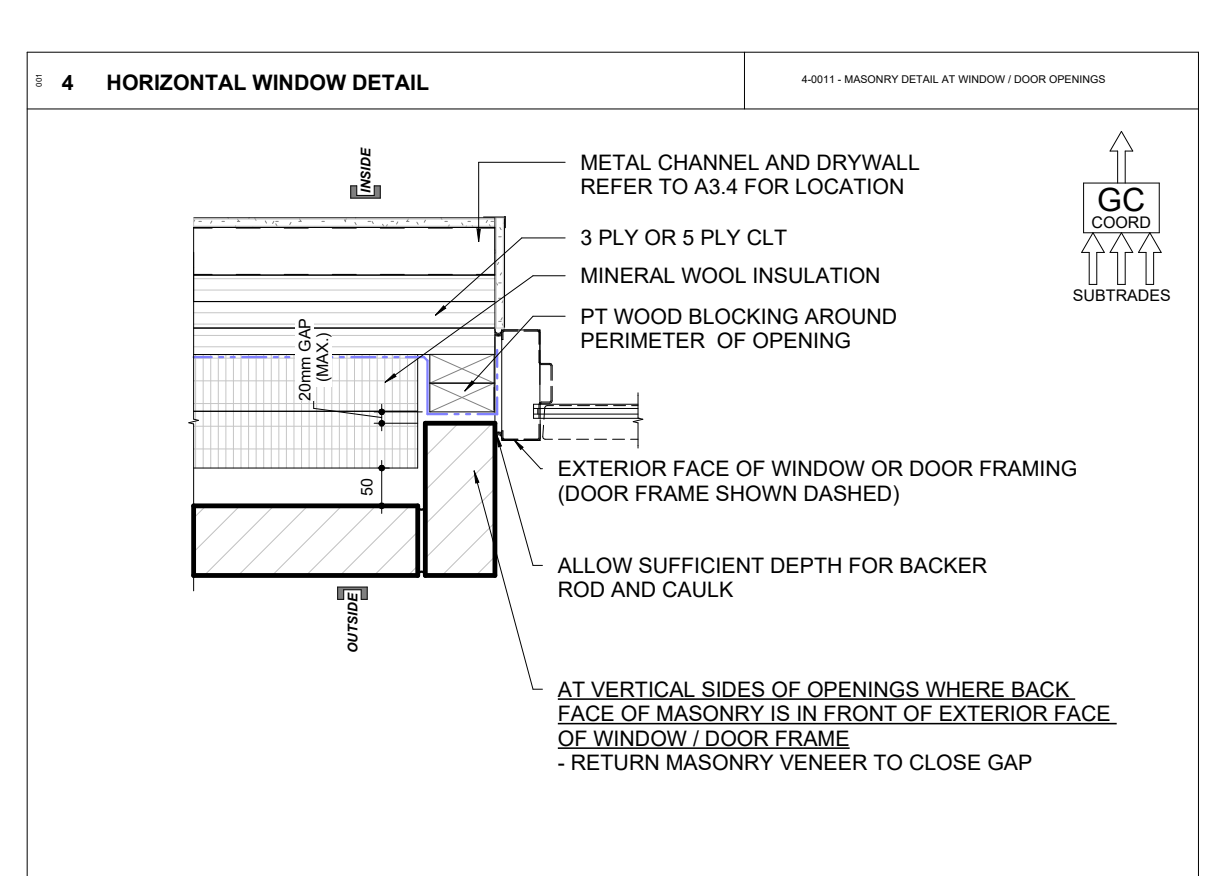
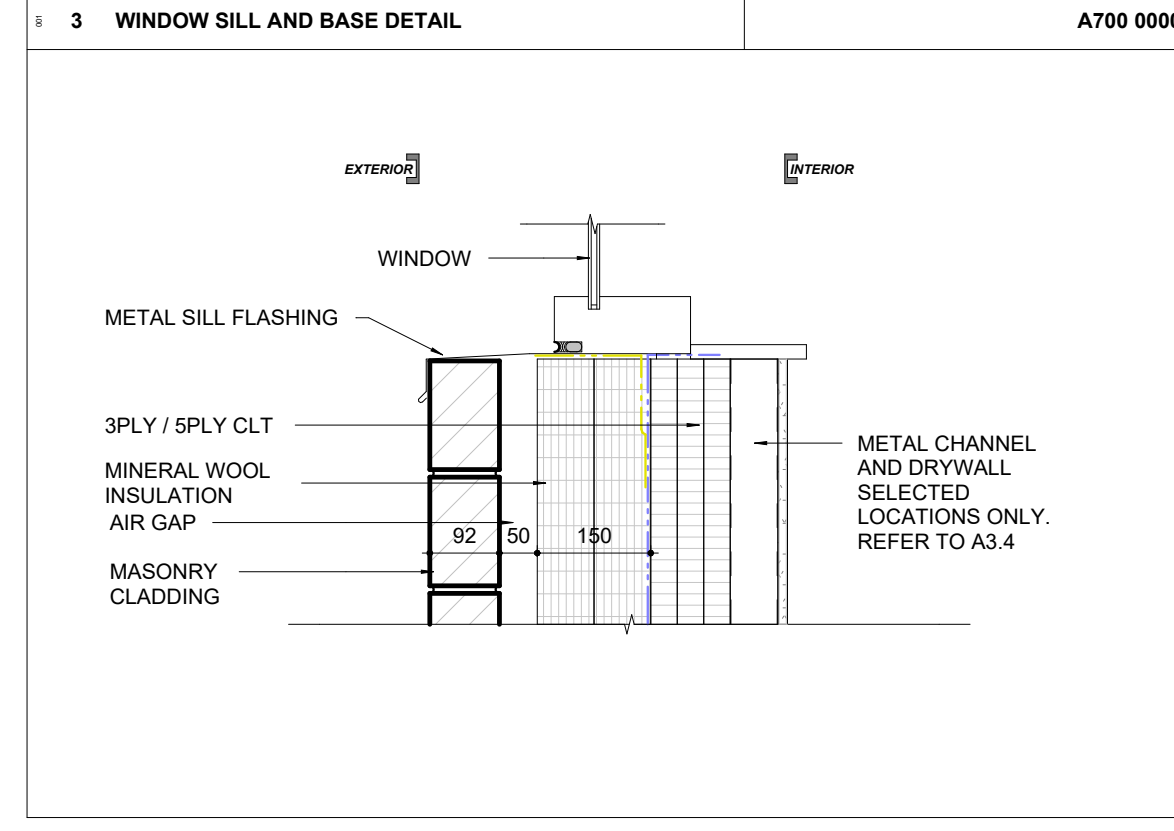
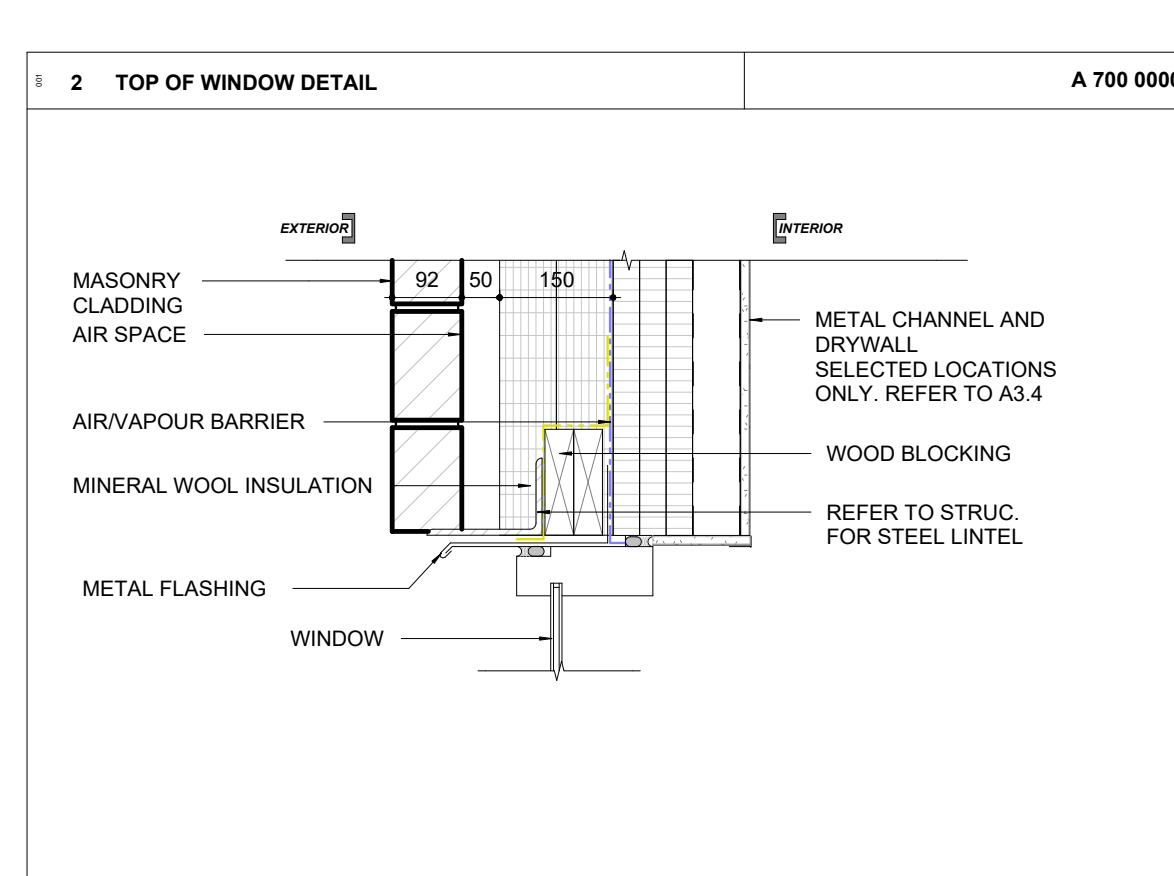
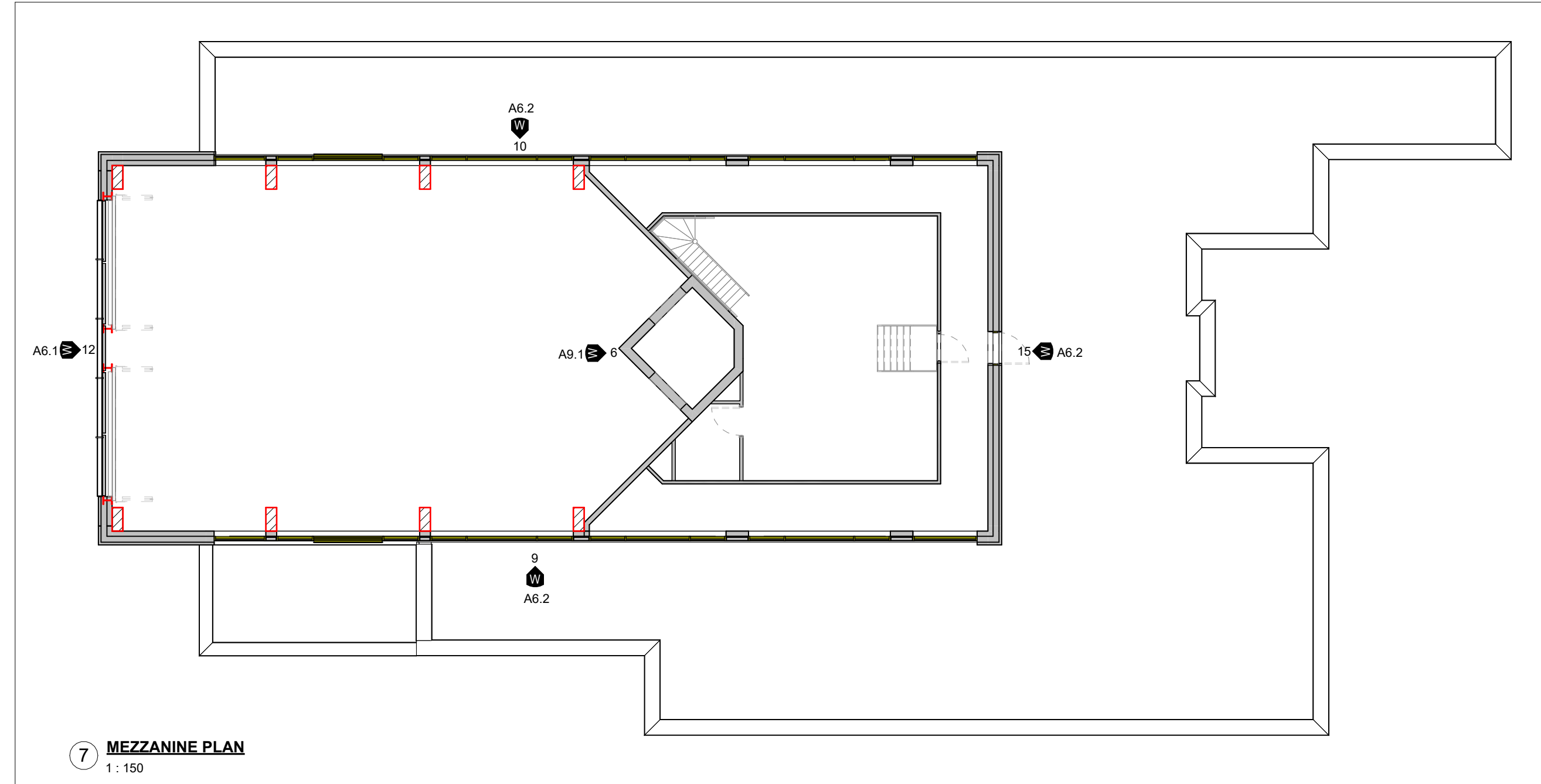
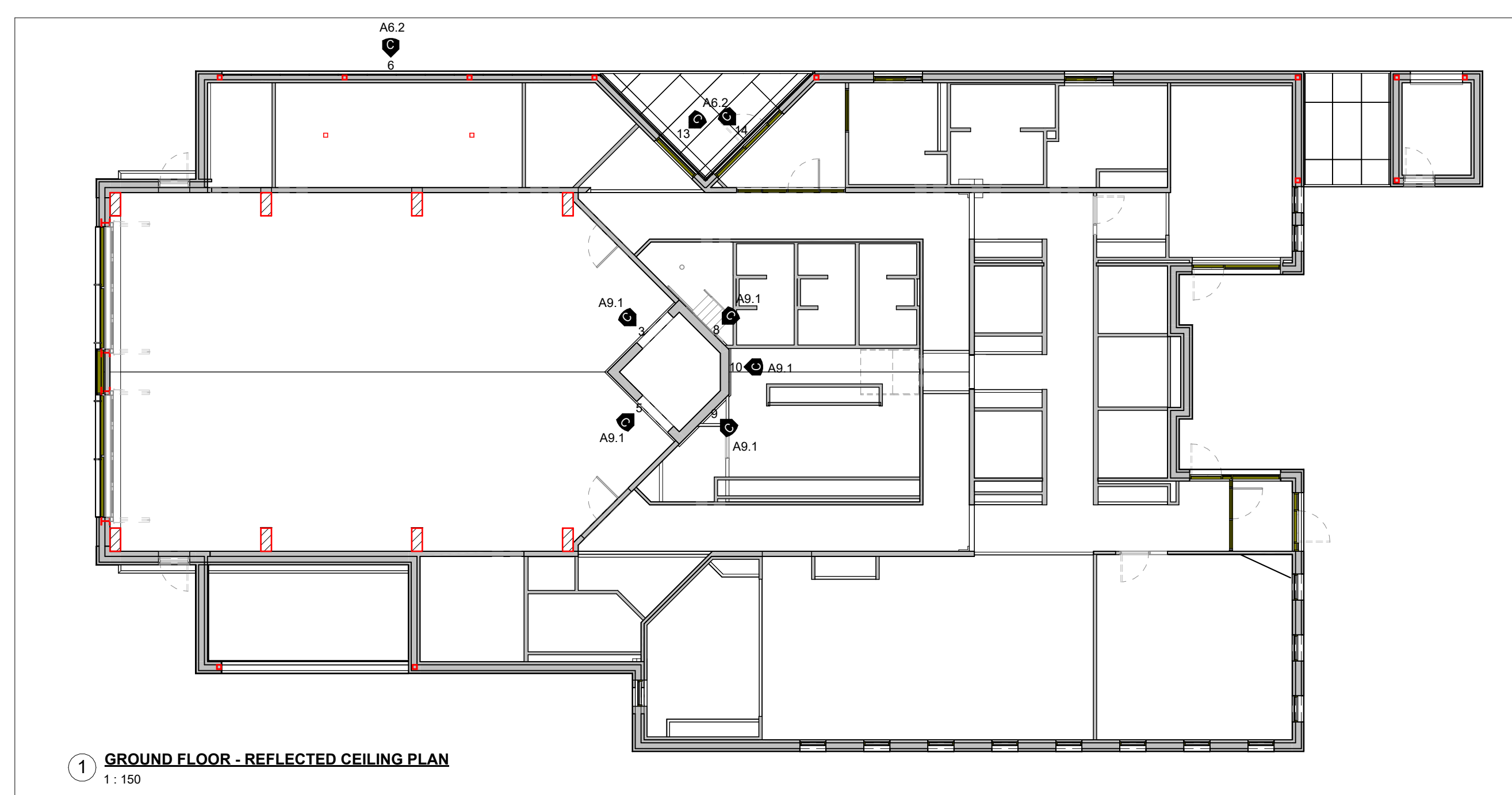
PROFESSIONAL SEAL

CLADDING, GLAZING AND LOUVER ELEVATIONS



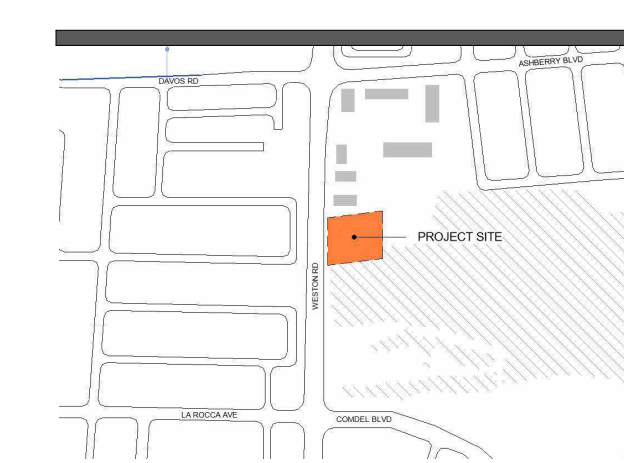
DATE	2021-11-24
SCALE	As indicated
DRAWN BY	SRL
DWG STATUS	TENDER
PROJECT No.	2104
DRAWING No.	A6.2
REVISION	26

2024-04-19 10:47:39 AM



2024-04-19 10:47:39 AM

NO.	ISSUE OR REVISION	DATE
12	2022 UPDATE	2022-12-20
17	SPA - REVISION	2023-08-30
18	ISSUED FOR PERMIT	2023-09-15
19	ISSUED FOR RFPQ	2023-10-19
24	ISSUED FOR CLASS A	2024-02-16
26	T24-253 - IFT	2024-04-15



FILE NO. SP.22.V.0191

CITY OF VAUGHAN FIRE STATION 7-12

9511 WESTON ROAD, VAUGHAN

PROJECT:
CLIENT:

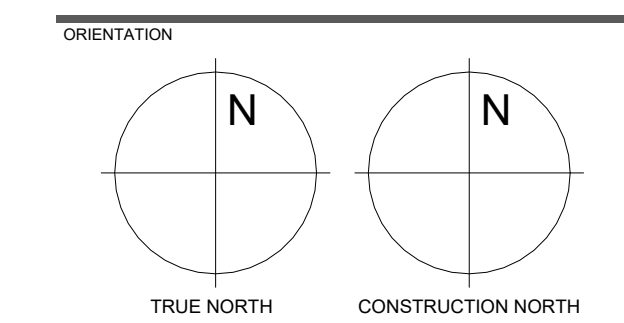


THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF THE WORK. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT.

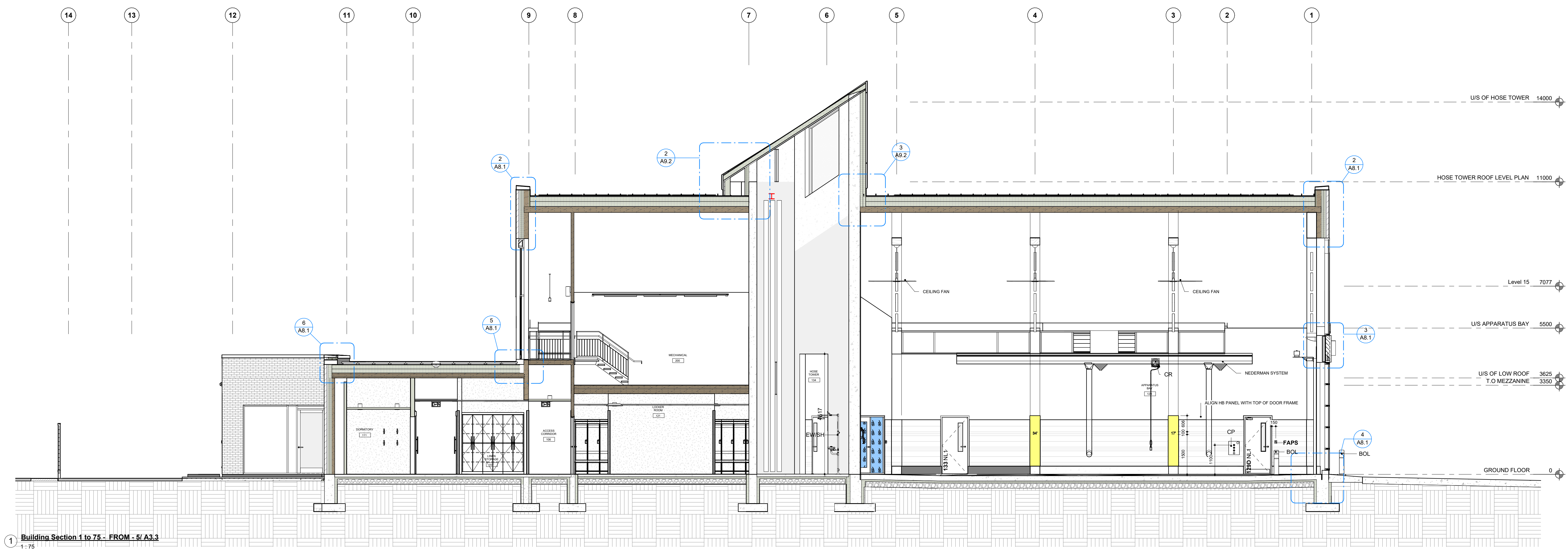
ARCHITECT
THOMASBROWNARCHITECTS
197 SPADINA AVENUE, SUITE 500 | TORONTO ONTARIO | M5T 2C8

PROFESSIONAL SEAL

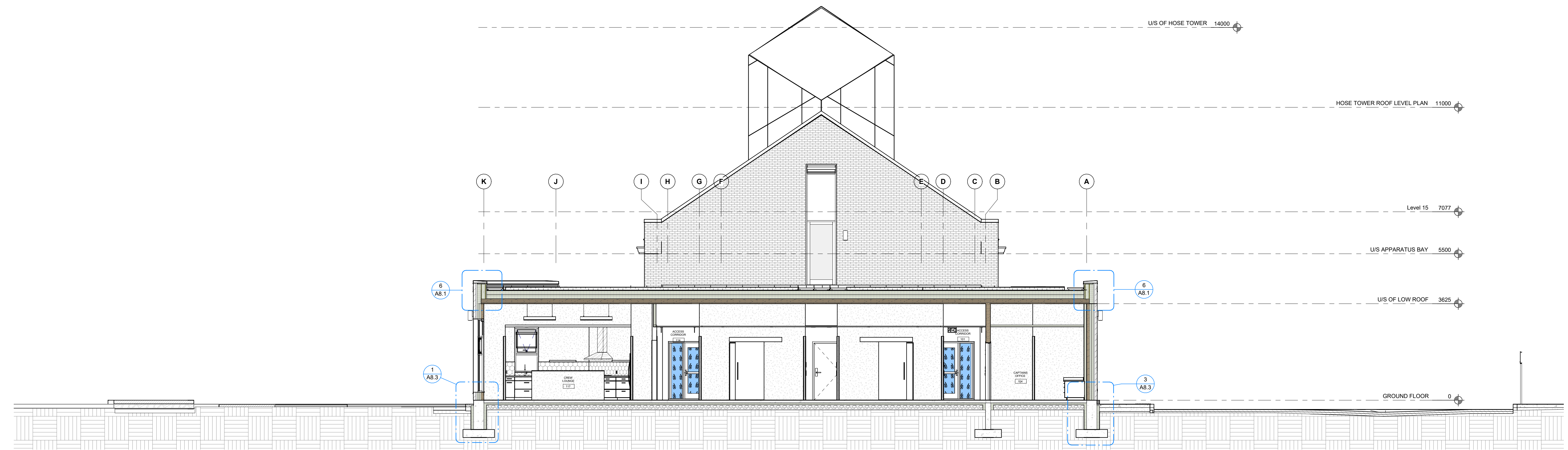
DWG TITLE
BUILDING SECTIONS



DATE	2021-11-24
SCALE	1 : 75
DWG STATUS	TENDER
PROJECT No.	2104
DRAWING No.	A7.1
REVISION	26



1 Building Section 1 to 75 - FROM - 5/ A3.3
1 : 75



2 Building Section 1 to 75 - FROM - 5/ A3.3
1 : 75

2024-04-19 10:46:02 AM

NO.	ISSUED FOR	DATE
12	2022 UPDATE	2022-12-20
17	SPA - REVISION	2023-08-30
18	ISSUED FOR PERMIT	2023-09-15
19	ISSUED FOR RFPQ	2023-10-19
24	ISSUED FOR CLASS A	2024-02-16
26	T24-253 - IFT	2024-04-15



FILE NO. SP.22.V.0191

CITY OF VAUGHAN FIRE STATION 7-12

9511 WESTON ROAD, VAUGHAN

PROJECT :

CLIENT :

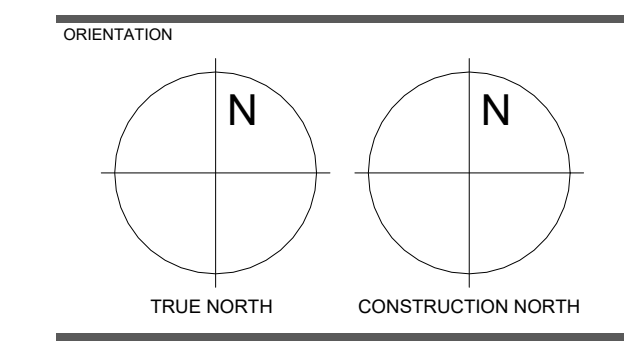


THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF THE WORK. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT.

ARCHITECT
THOMASBROWNARCHITECTS
197 SPADINA AVENUE, SUITE 500 | TORONTO ONTARIO | M5T 2C8

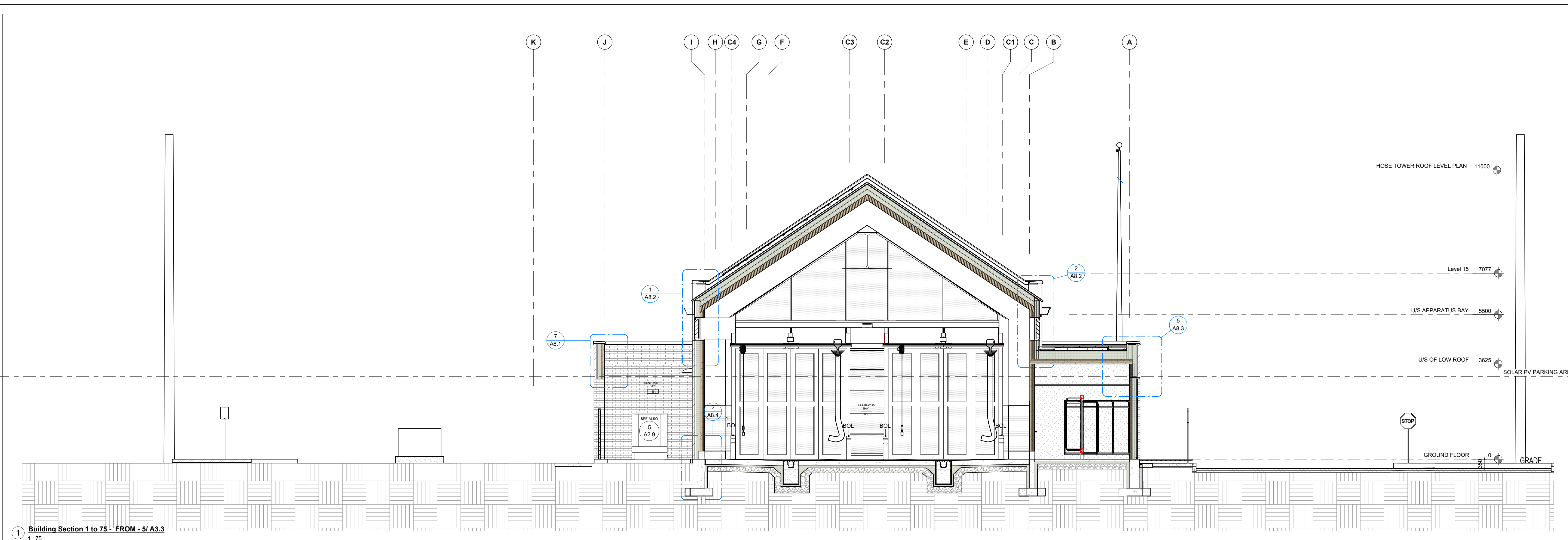
PROFESSIONAL SEAL

DWG TITLE
BUILDING SECTIONS

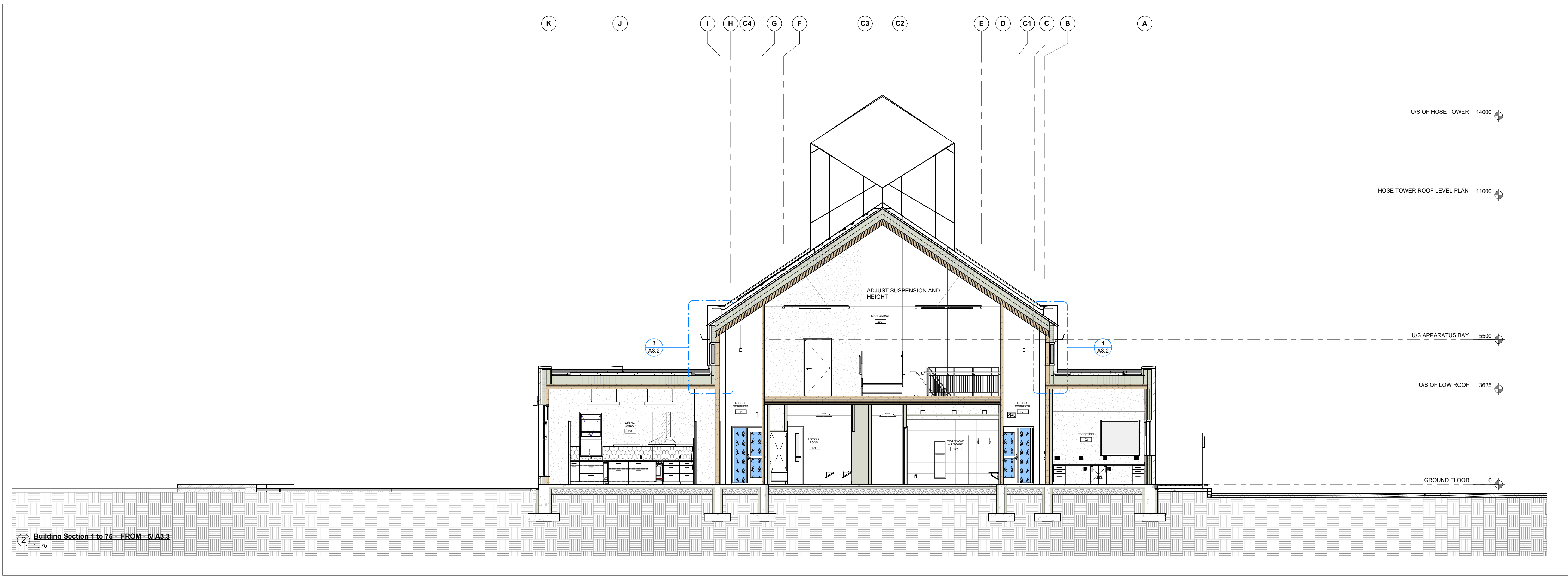


DATE	2021-11-24
SCALE	1 : 75
DWG STATUS	TENDER
PROJECT No.	2104
DRAWING No.	A7.2
DRAWN BY	SRL
REVISION	26

2024-04-19 10:46:58 AM



1 Building Section 1 to 75 - FROM - 5/ A3.3
1 : 75



2 Building Section 1 to 75 - FROM - 5/ A3.3
1 : 75

ISSUE OR REVISION		
NO.	ISSUED FOR	DATE
12	2022 UPDATE	2022-12-20
17	SPA - REVISION	2023-08-30
18	ISSUED FOR PERMIT	2023-09-15
19	ISSUED FOR RFPQ	2023-10-19
24	ISSUED FOR CLASS A	2024-02-16
26	T24-253 - IFT	2024-04-15



FILE NO. SP.22.V.0191

CITY OF VAUGHAN FIRE STATION 7-12

9511 WESTON ROAD, VAUGHAN

CLIENT

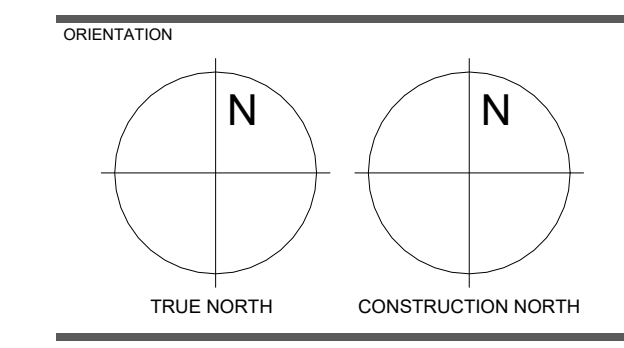
VAUGHAN

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF THE WORK. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT.

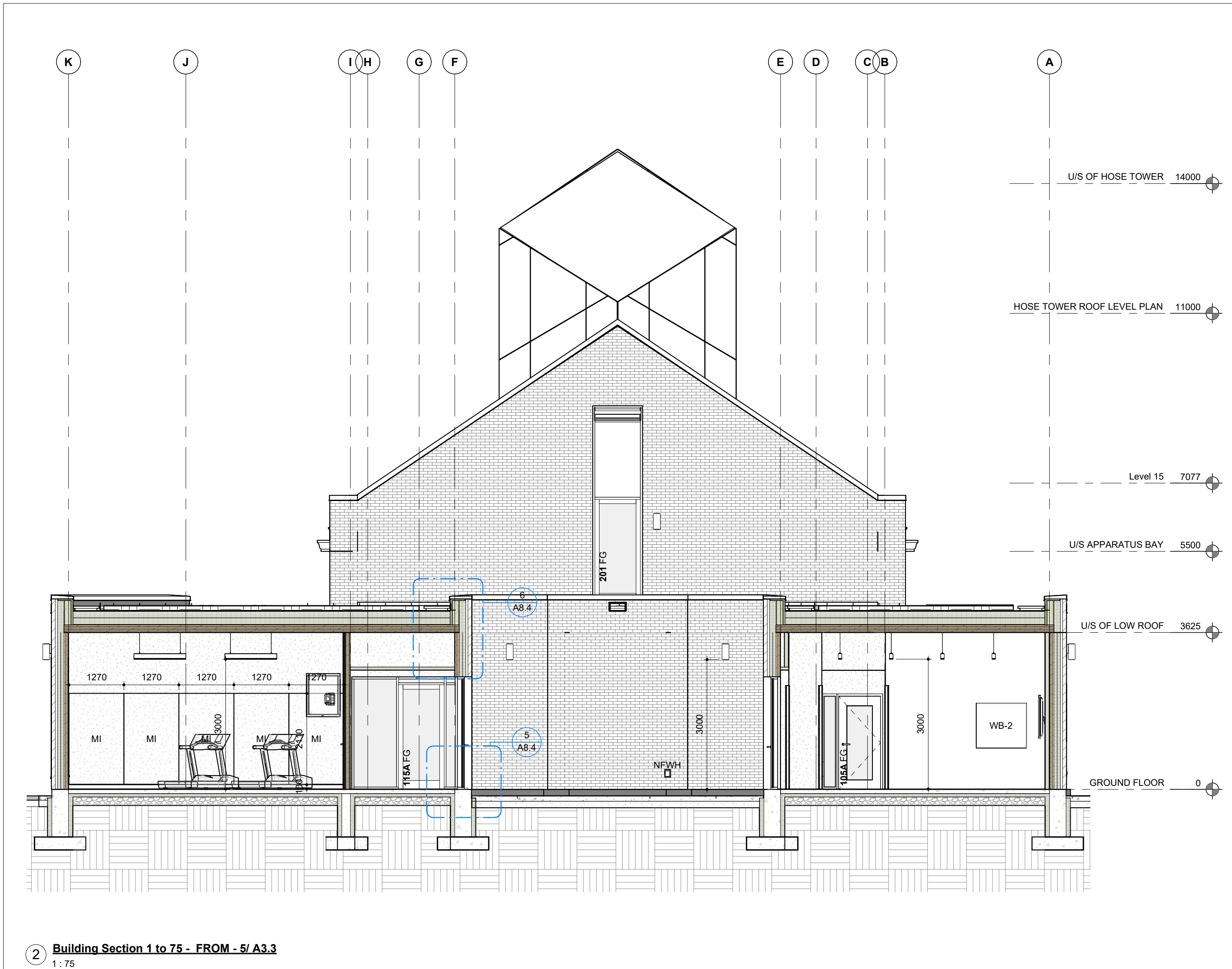
ARCHITECT
THOMASBROWNARCHITECTS
197 SPADINA AVENUE, SUITE 500 | TORONTO ONTARIO | M5T 2C8

PROFESSIONAL SEAL

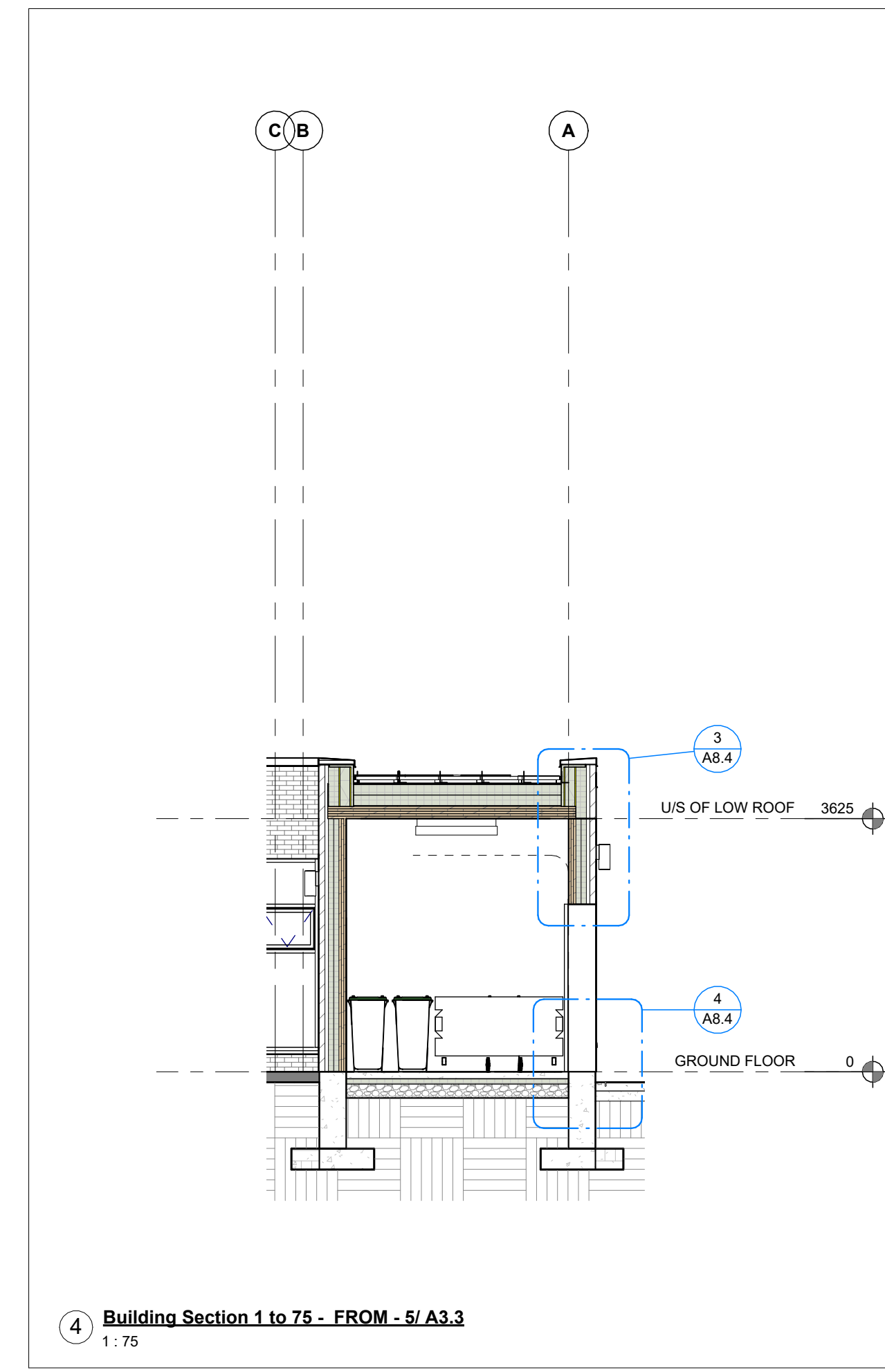
DWG TITLE
BUILDING SECTIONS



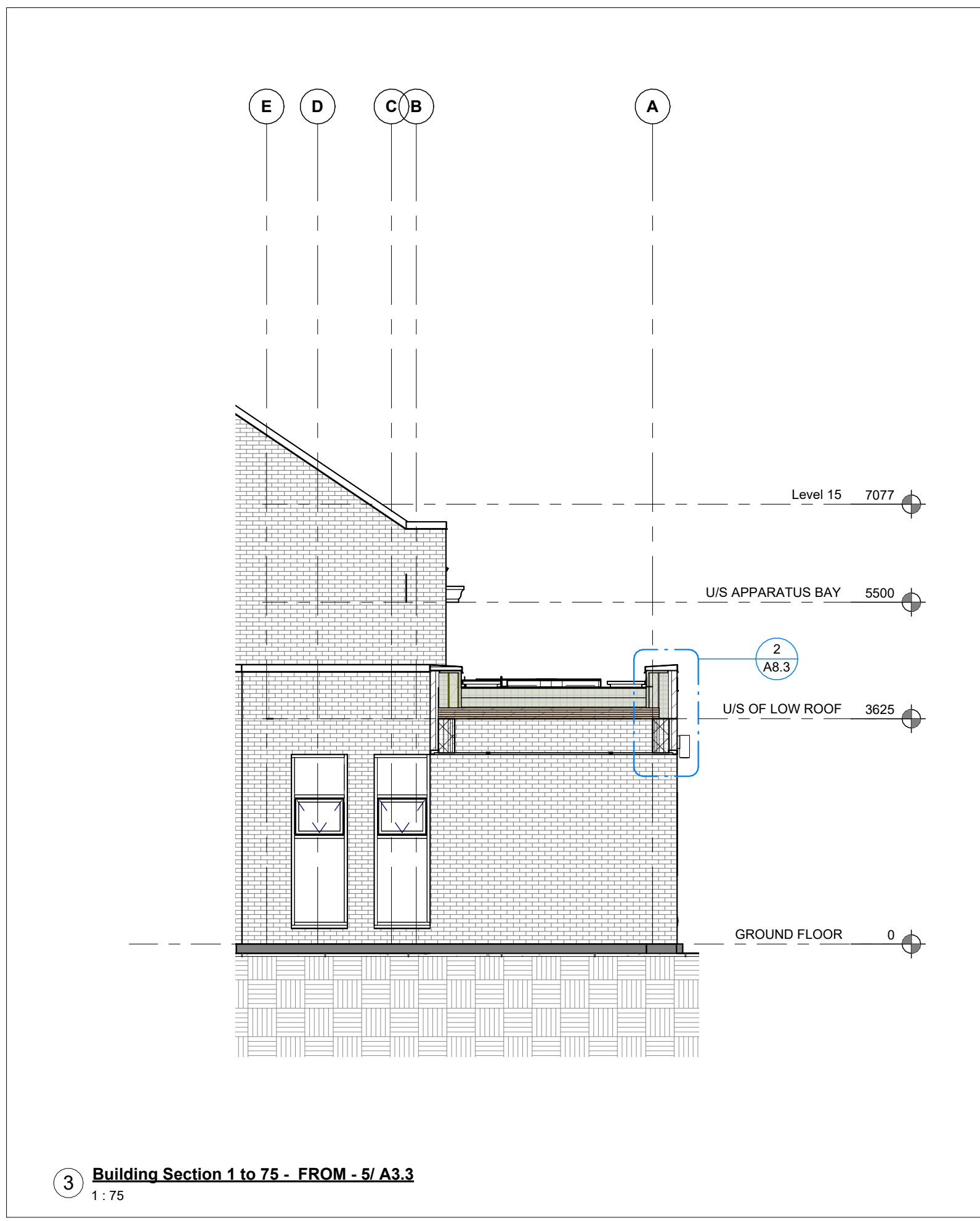
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DWG STATUS: TENDER
PROJECT No.: 2104
DRAWING No.: **A7.3**
REVISION: 26



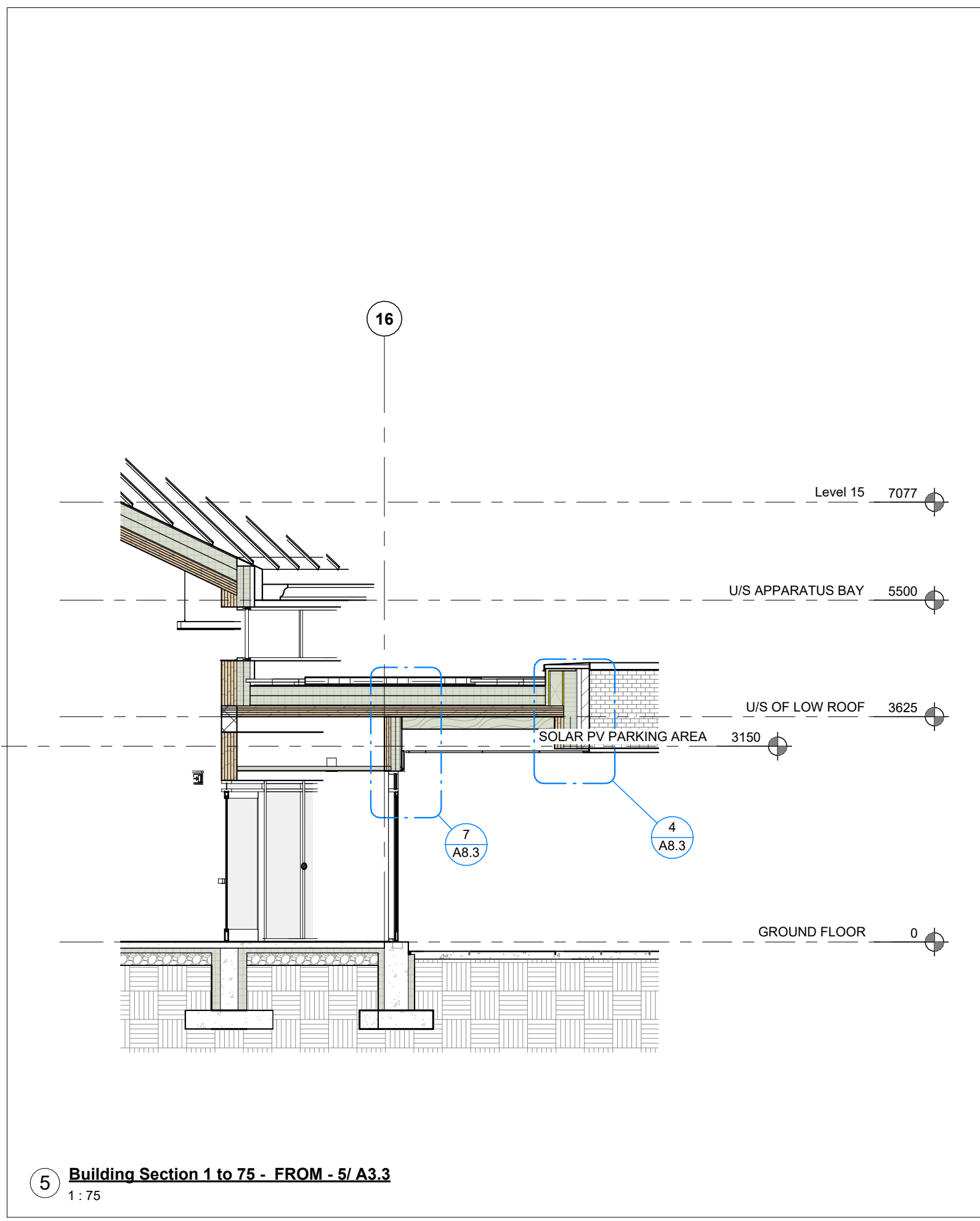
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1:75



4 Building Section 1 to 75 - FROM - 5/ A3.3
1:75



3 Building Section 1 to 75 - FROM - 5/ A3.3
1:75



5 Building Section 1 to 75 - FROM - 5/ A3.3
1:75

2024-04-19 10:49:24 AM

ISSUE OR REVISION		
NO.	ISSUED FOR	DATE
12	2022 UPDATE	2022-12-20
16	DD CLIENT REVIEW	2023-07-24
19	ISSUED FOR RFPQ	2023-10-19
24	ISSUED FOR CLASS A	2024-02-16
26	T24-253 - IFT	2024-04-15



FILE NO. SP.22.V.0191

CITY OF VAUGHAN FIRE STATION 7-12

9511 WESTON ROAD, VAUGHAN



THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF THE WORK. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT.

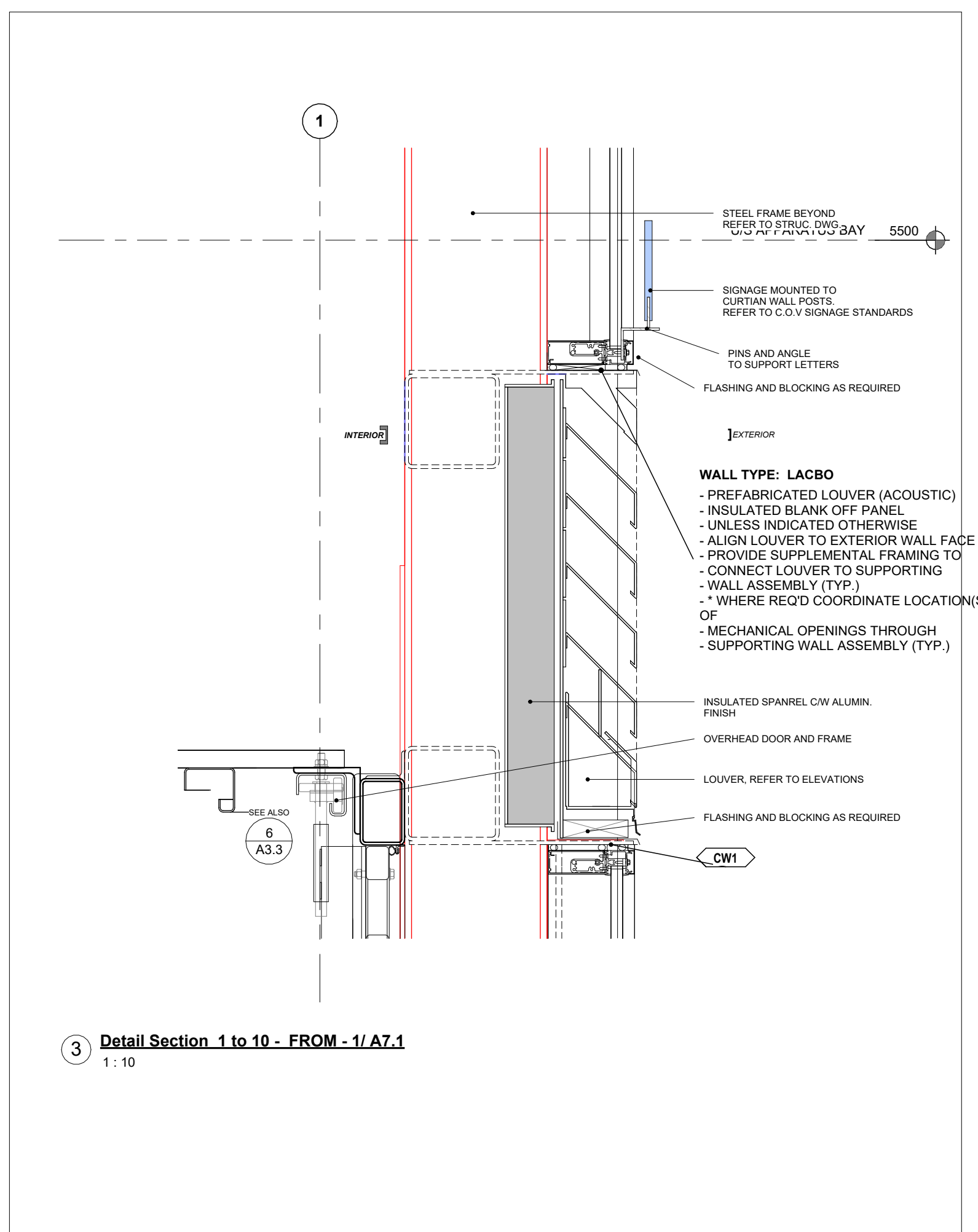
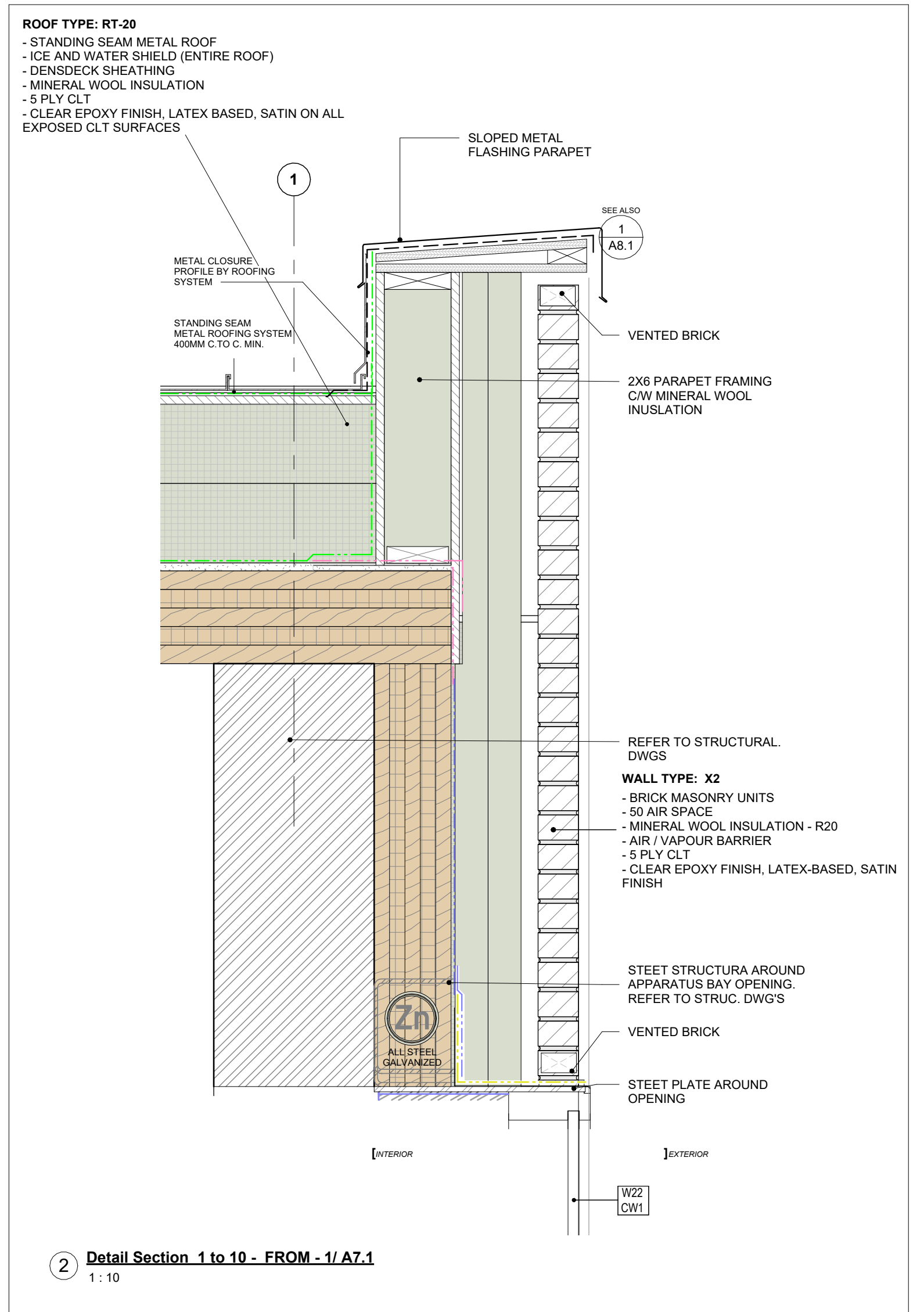
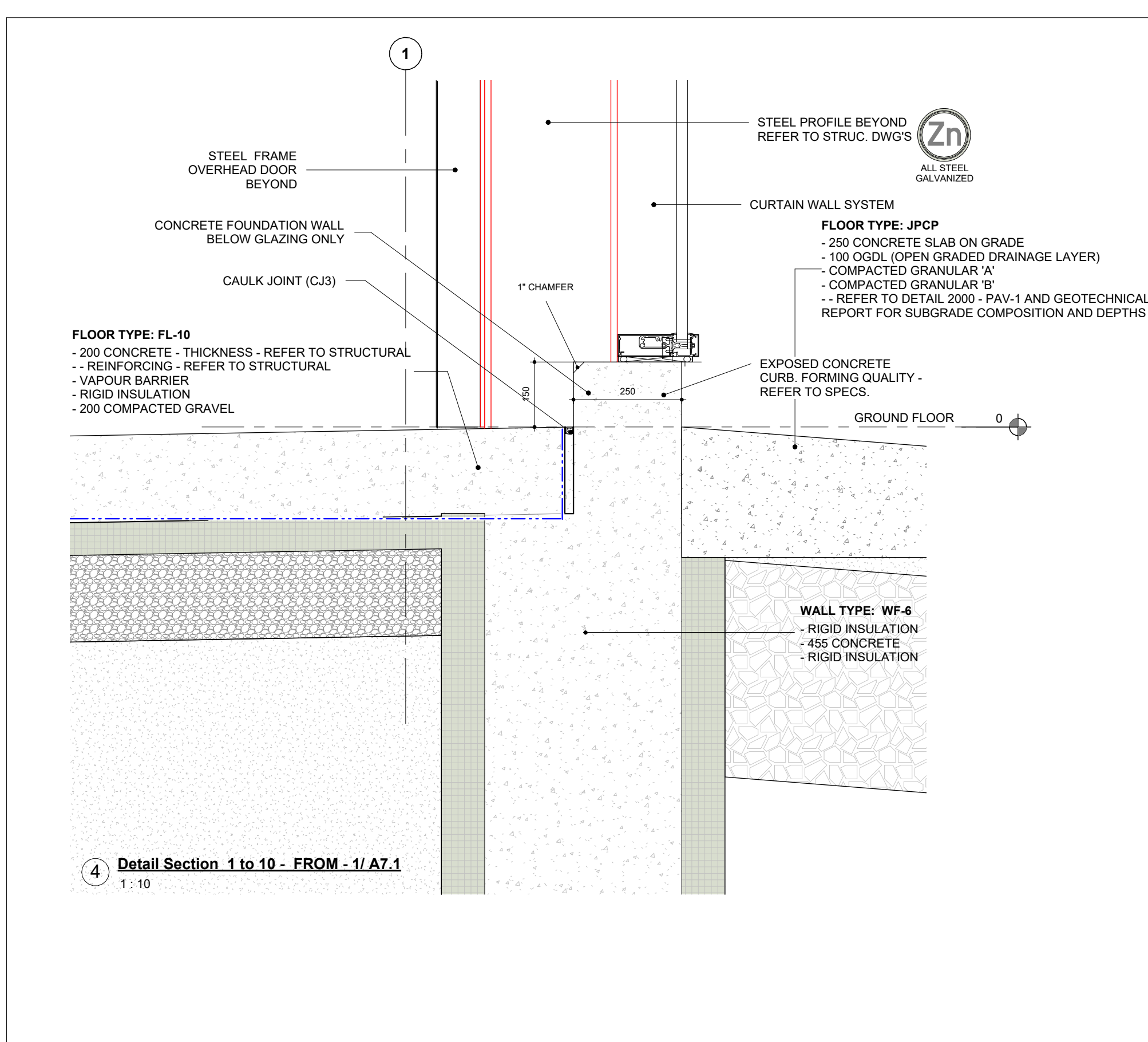
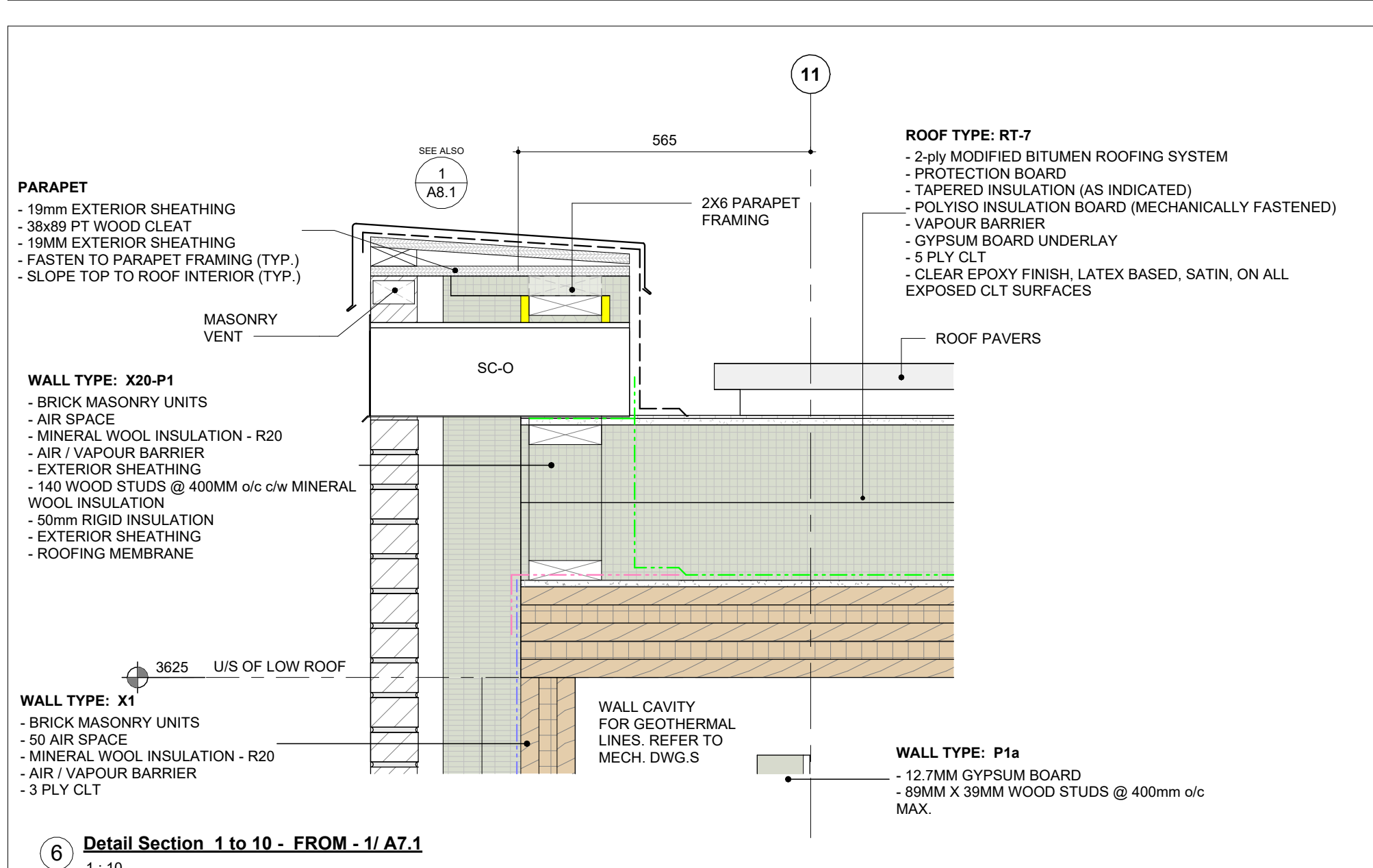
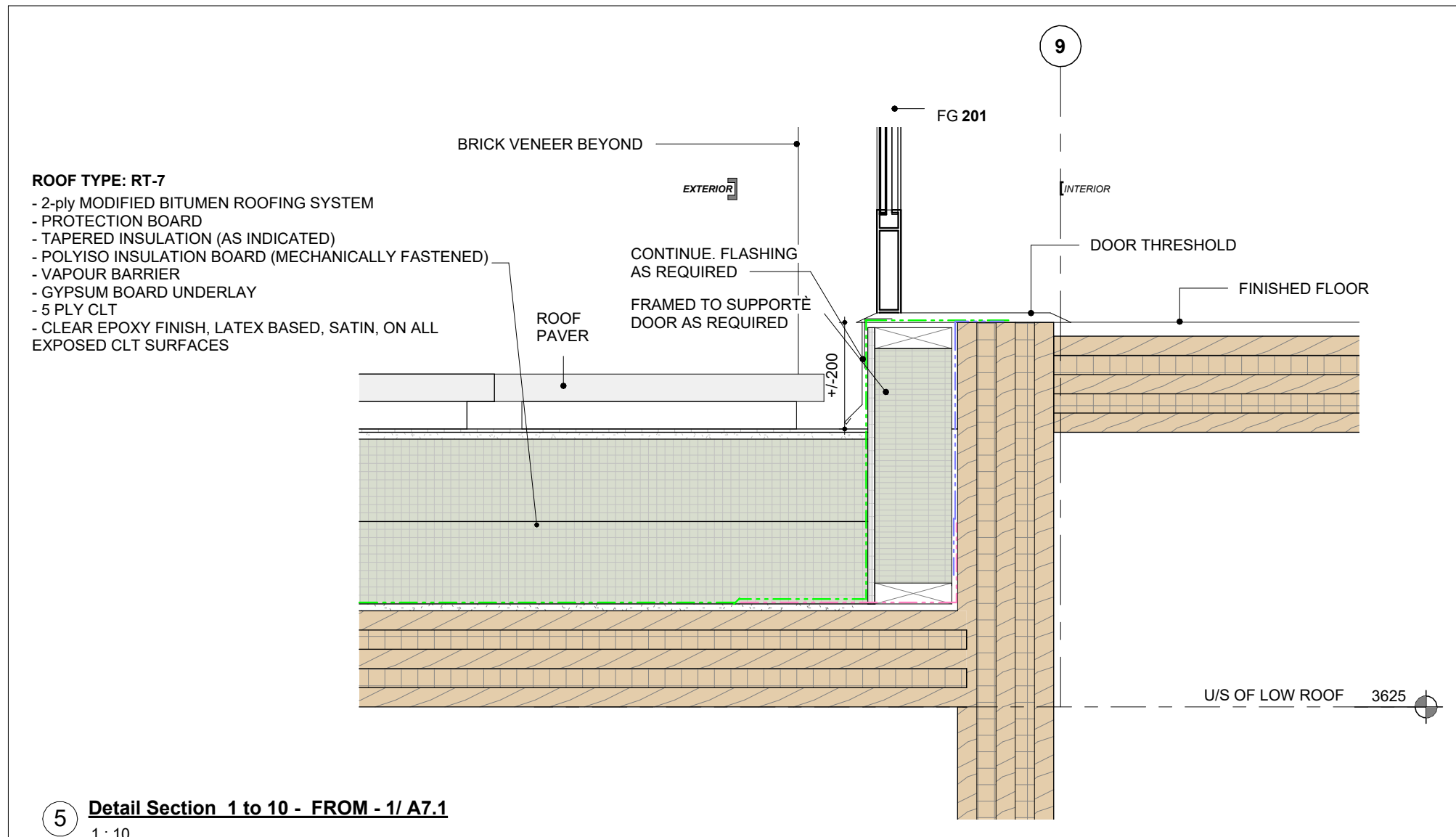
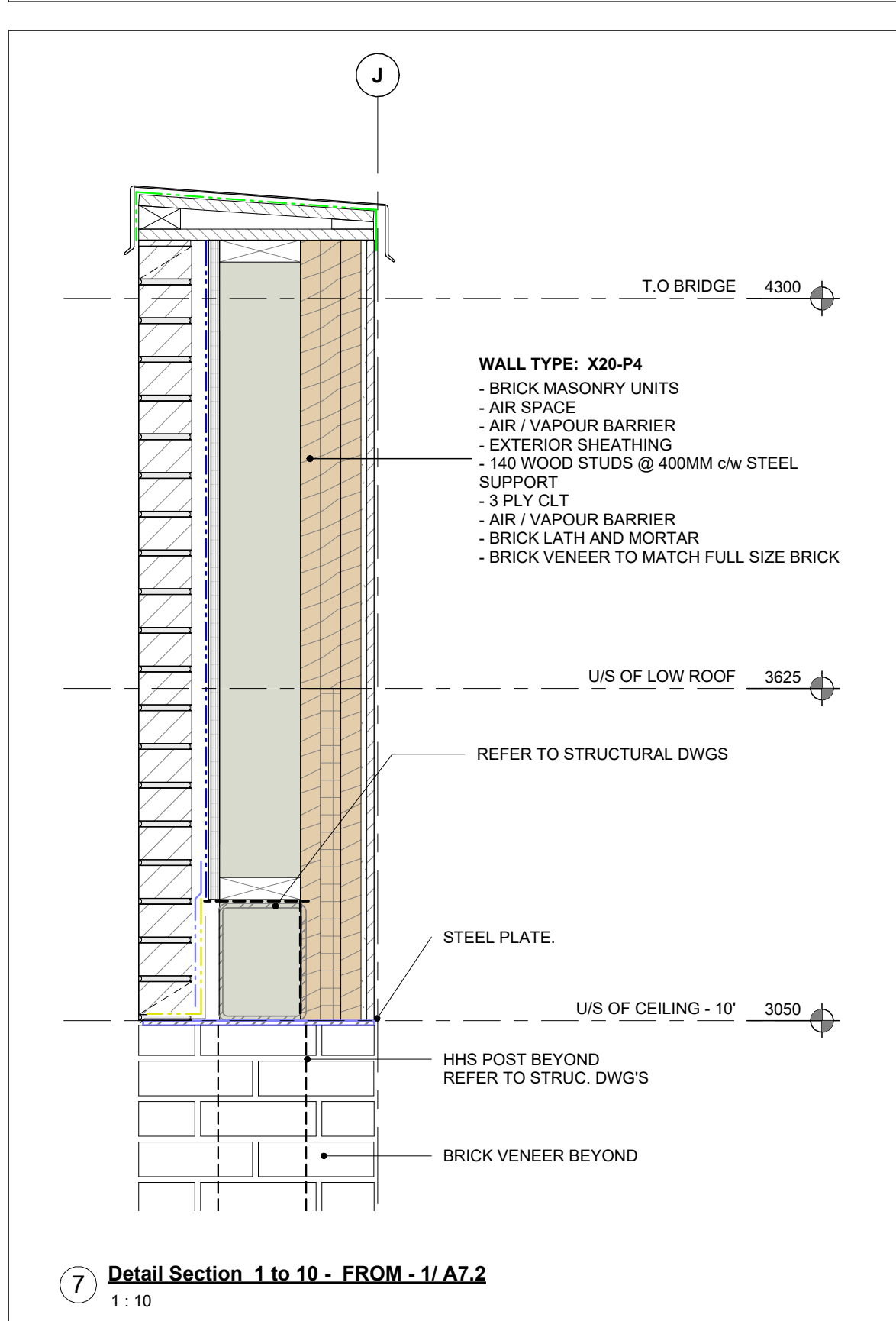
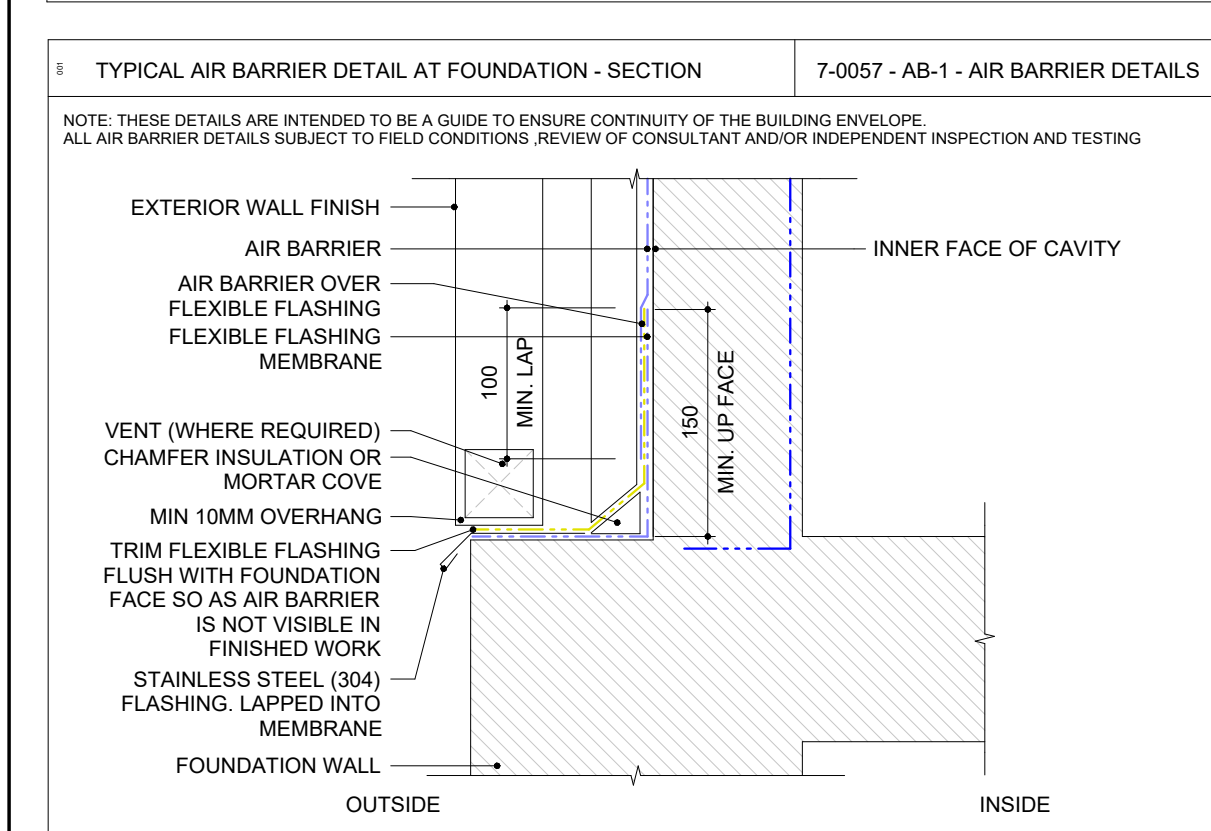
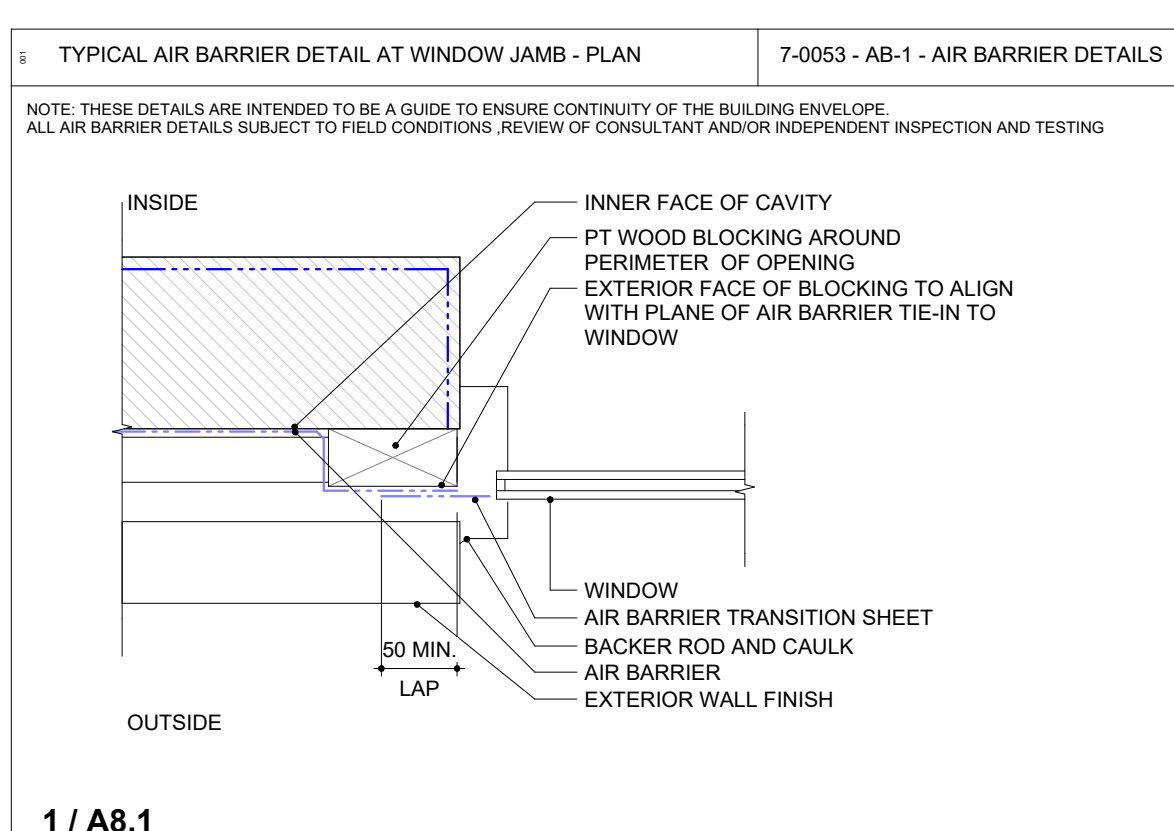
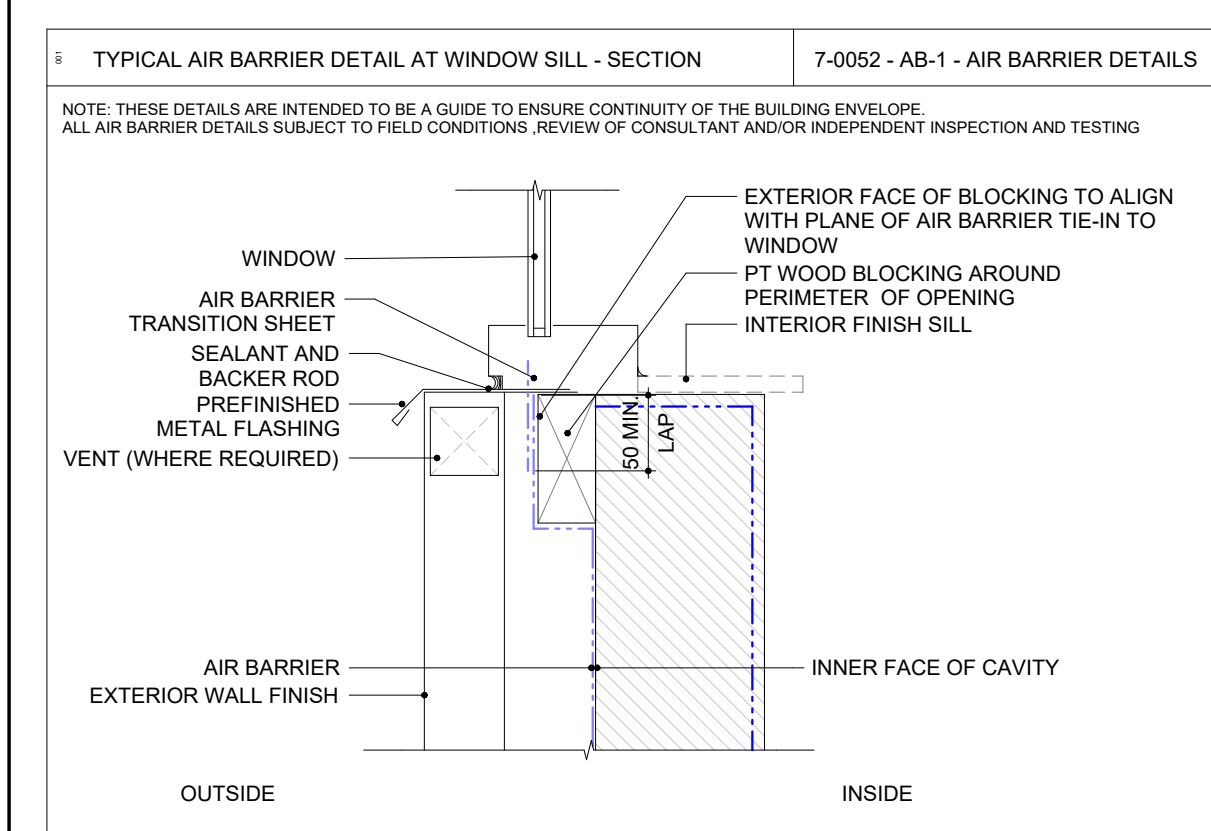
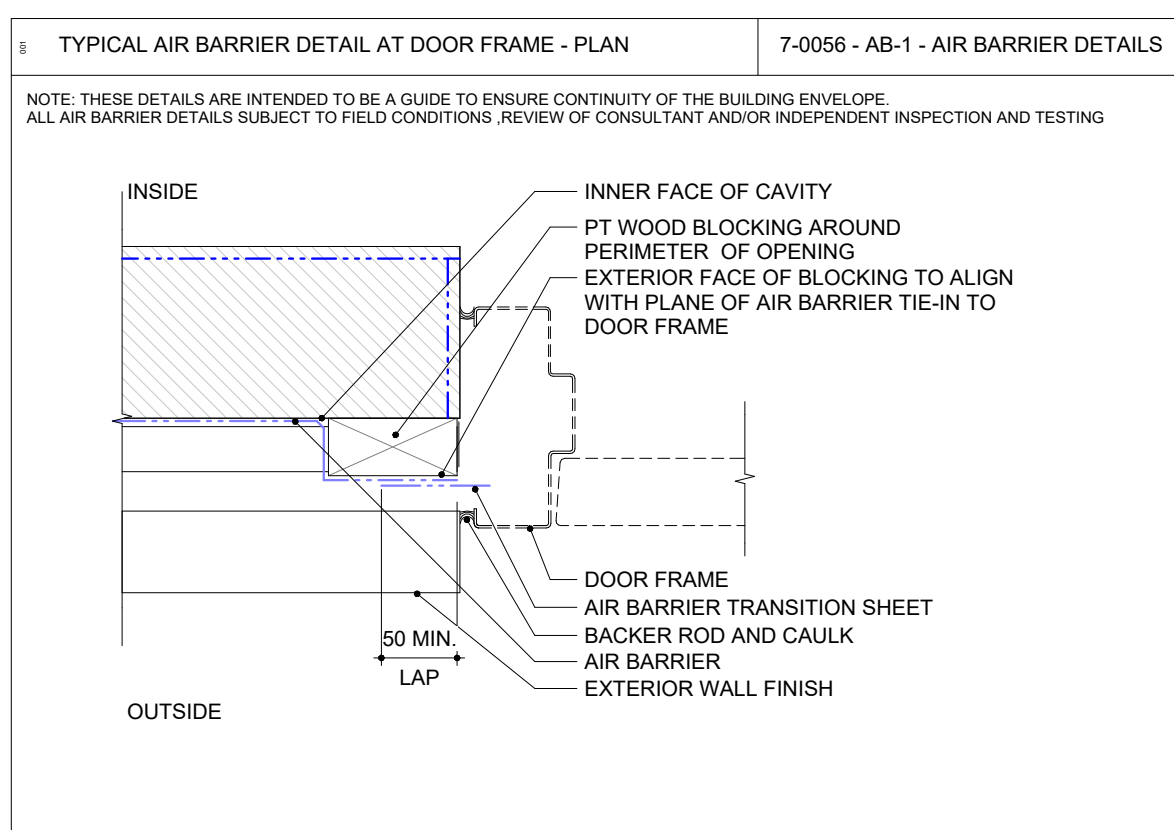
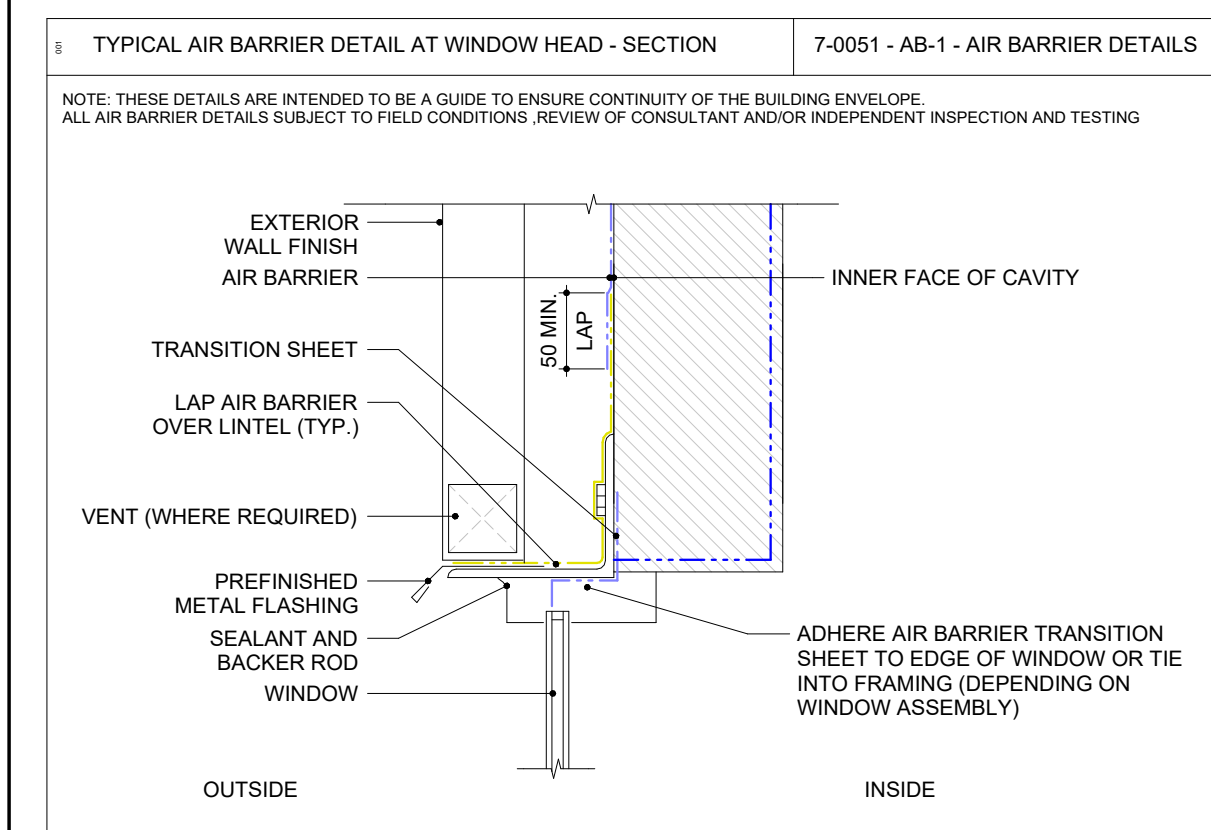
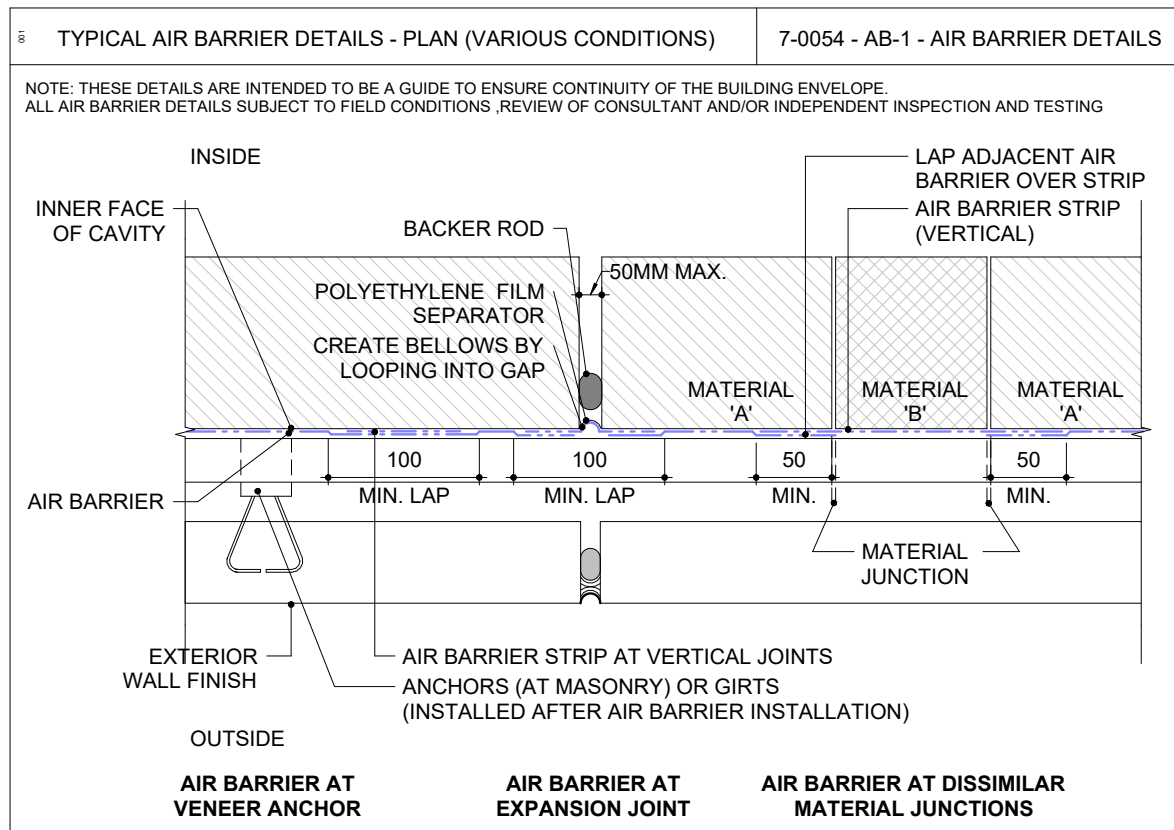
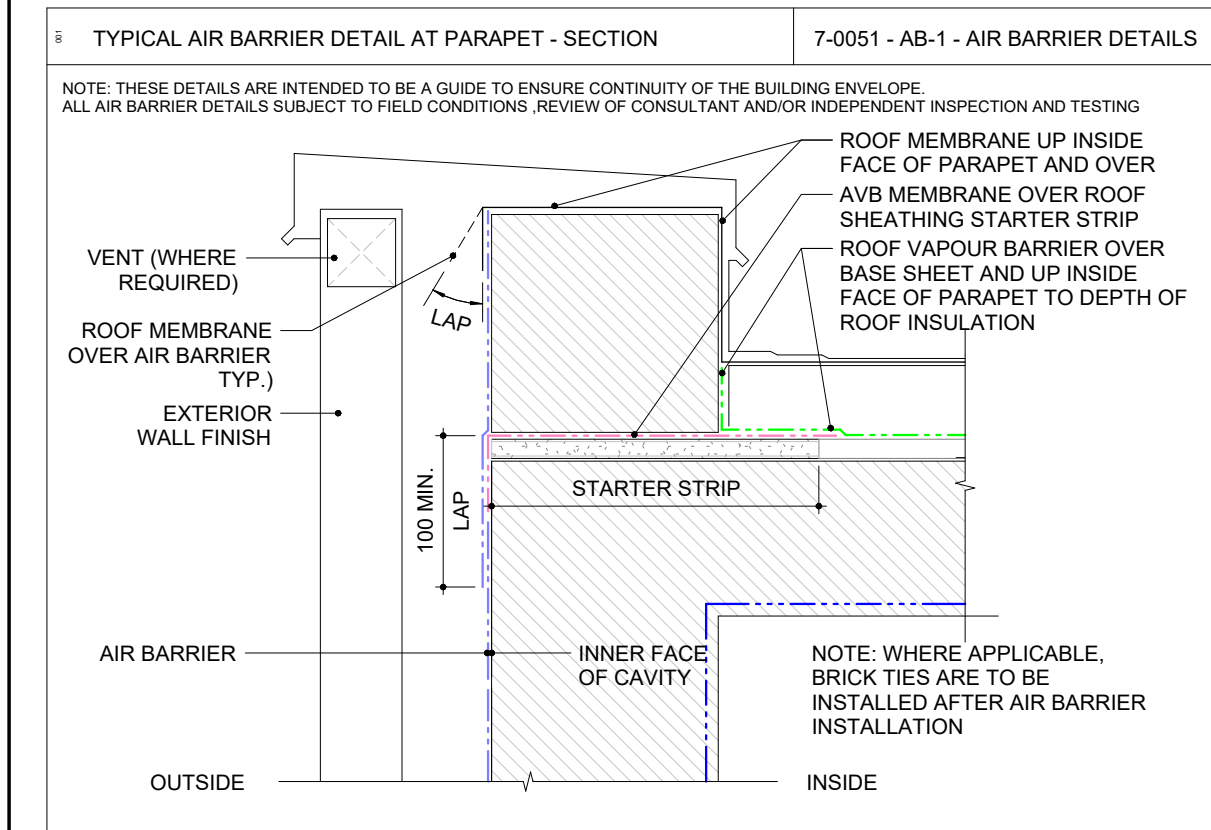
ARCHITECT
THOMASBROWNARCHITECTS
197 SPADINA AVENUE, SUITE 500 | TORONTO ONTARIO | M5T 2C8

PROFESSIONAL SEAL

SECTION DETAILS

ORIENTATION

DATE	2021-11-24
SCALE	As indicated
DWG STATUS	TENDER
PROJECT No.	2104
DRAWING No.	A8.1
REVISION	26



2024-04-19 10:49:27 AM

ISSUE OR REVISION		
NO.	ISSUED FOR	DATE
12	2022 UPDATE	2022-12-20
16	DD CLIENT REVIEW	2023-07-24
19	ISSUED FOR RFPQ	2023-10-19
24	ISSUED FOR CLASS A	2024-02-16
26	T24-253 - IFT	2024-04-15



FILE NO. SP.22.V.0191

CITY OF VAUGHAN FIRE STATION 7-12

9511 WESTON ROAD, VAUGHAN

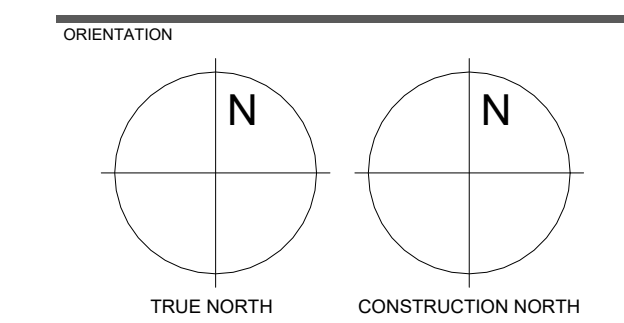


THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF THE WORK. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT.

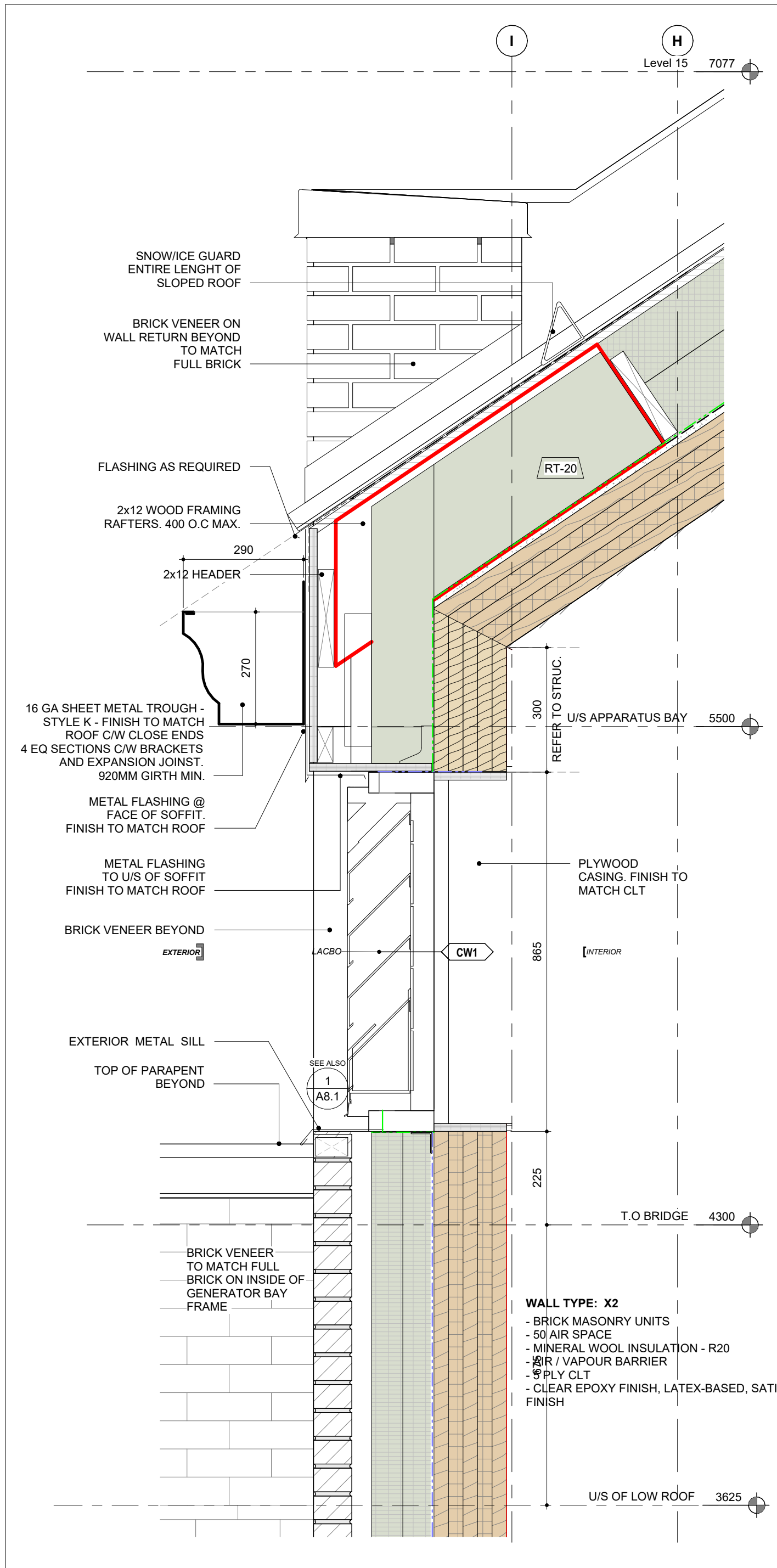
ARCHITECT
THOMASBROWNARCHITECTS
197 SPADINA AVENUE, SUITE 500 | TORONTO ONTARIO | M5T 2C8

PROFESSIONAL SEAL

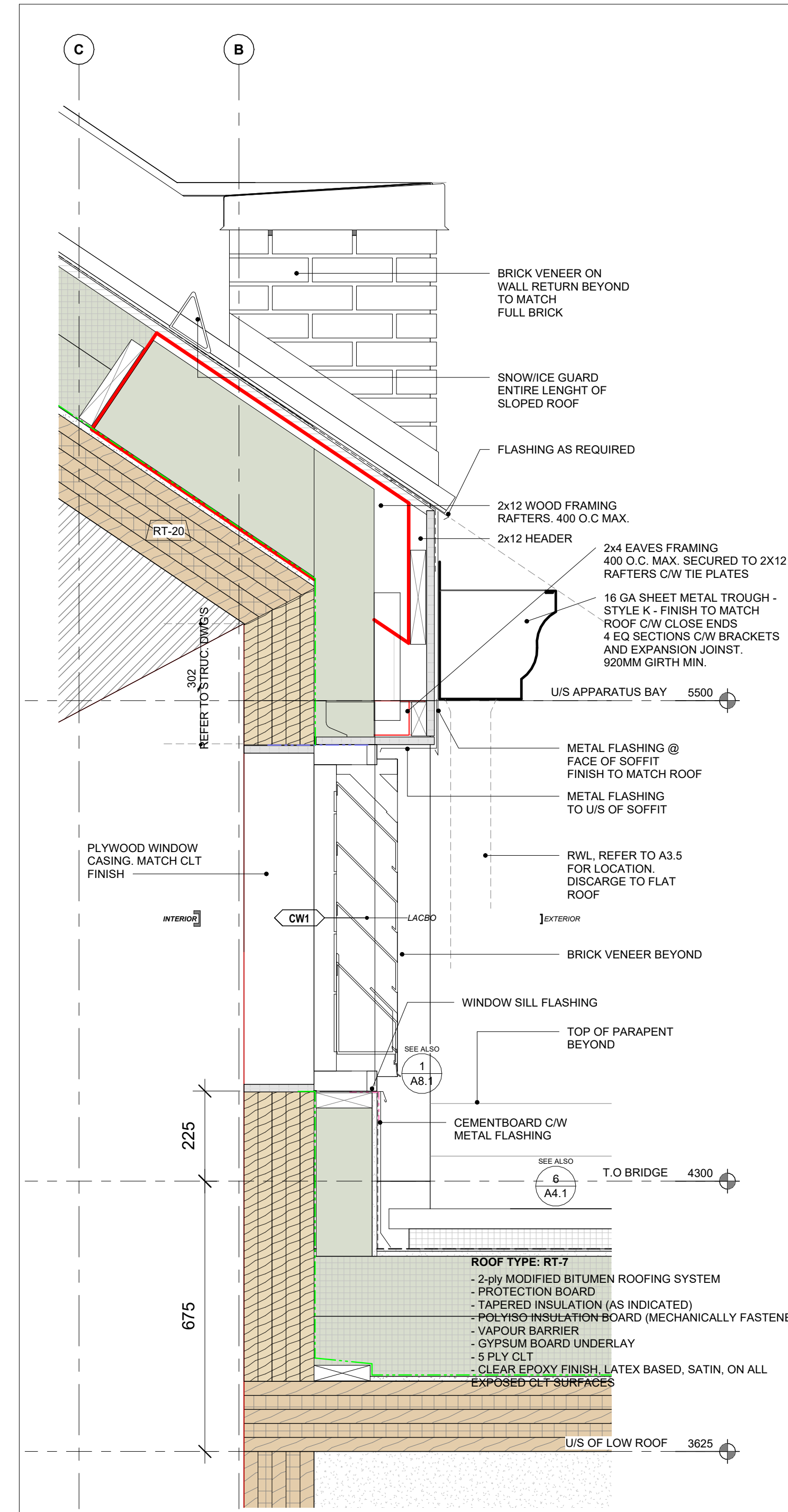
SECTION DETAILS



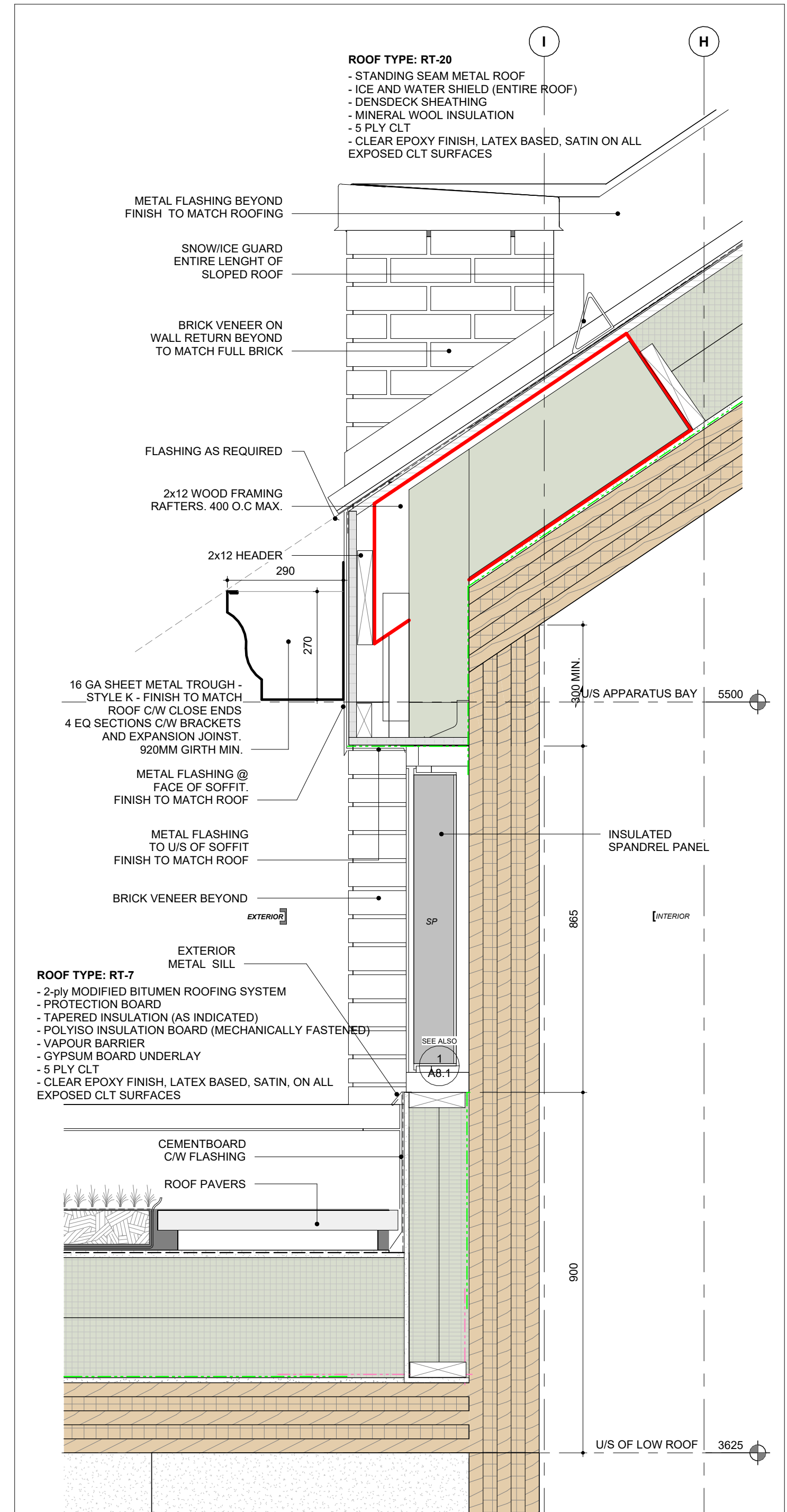
DATE	2021-11-24	
SCALE	1 : 10	DRAWN BY SRL
DWG STATUS	TENDER	
PROJECT No.	2104	
DRAWING No.	A8.2	REVISION 26



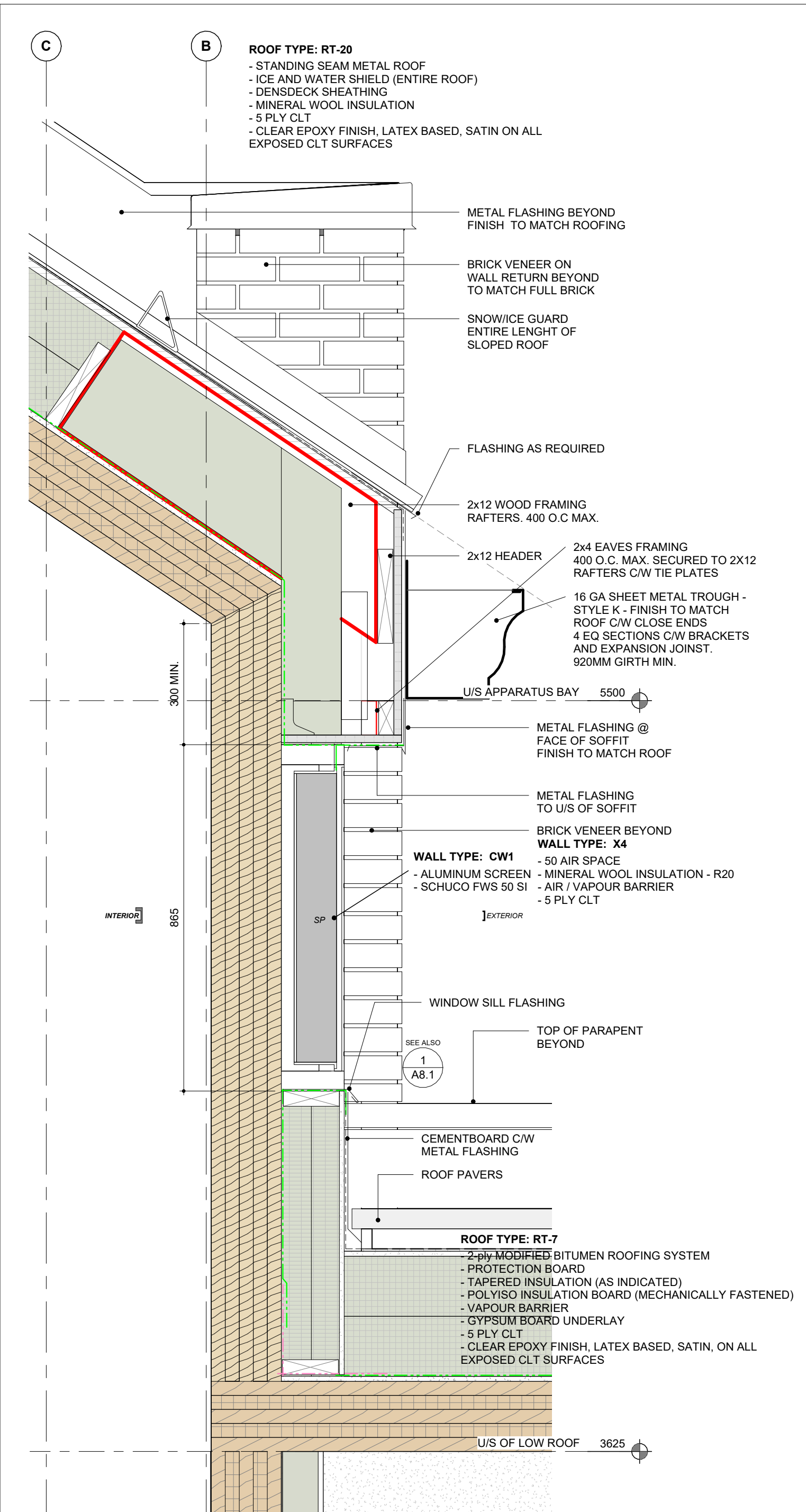
1 Building Section 1 to 75 - FROM - 1/ A7.2
1 : 10



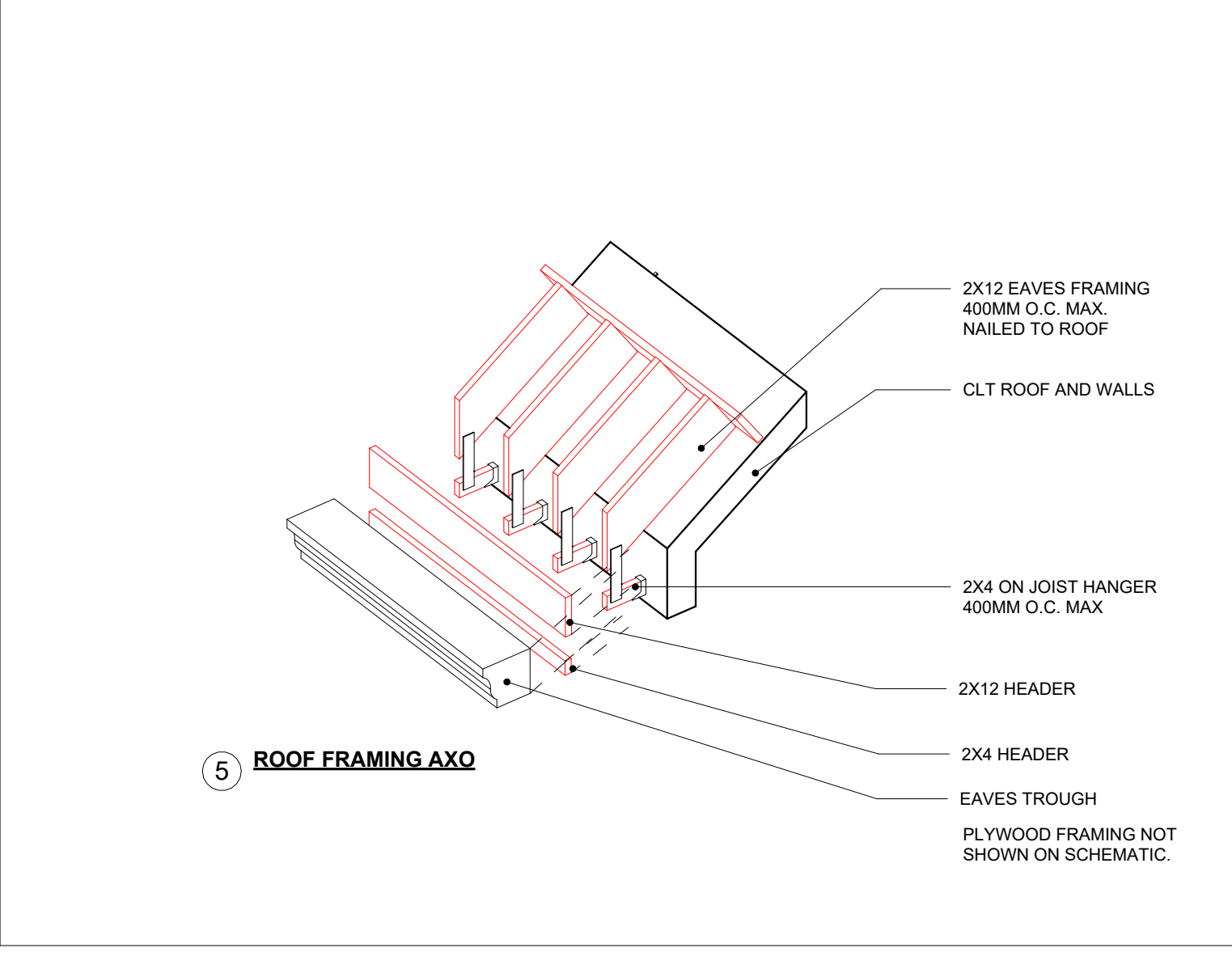
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1 : 10



3 Detail Section 1 to 10 - FROM - 2/ A7.2
1 : 10



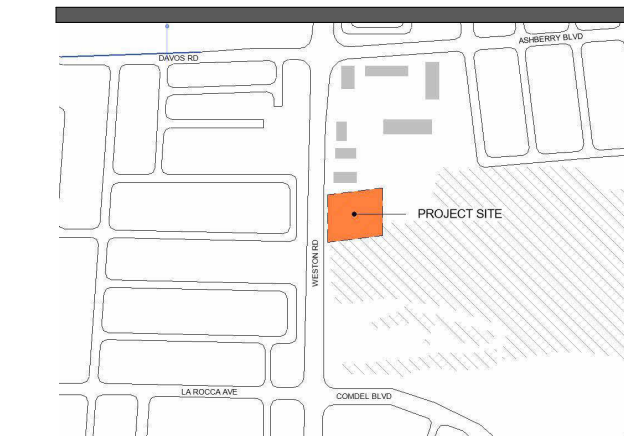
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1 : 10



5 ROOF FRAMING AXO

2024-04-19 10:49:30 AM

ISSUE OR REVISION		
NO.	ISSUED FOR	DATE
12	2022 UPDATE	2022-12-20
16	DD CLIENT REVIEW	2023-07-24
19	ISSUED FOR RFPQ	2023-10-19
24	ISSUED FOR CLASS A	2024-02-16
26	T24-253 - IFT	2024-04-15



FILE NO. SP.22.V.0191

CITY OF VAUGHAN FIRE STATION 7-12

9511 WESTON ROAD, VAUGHAN



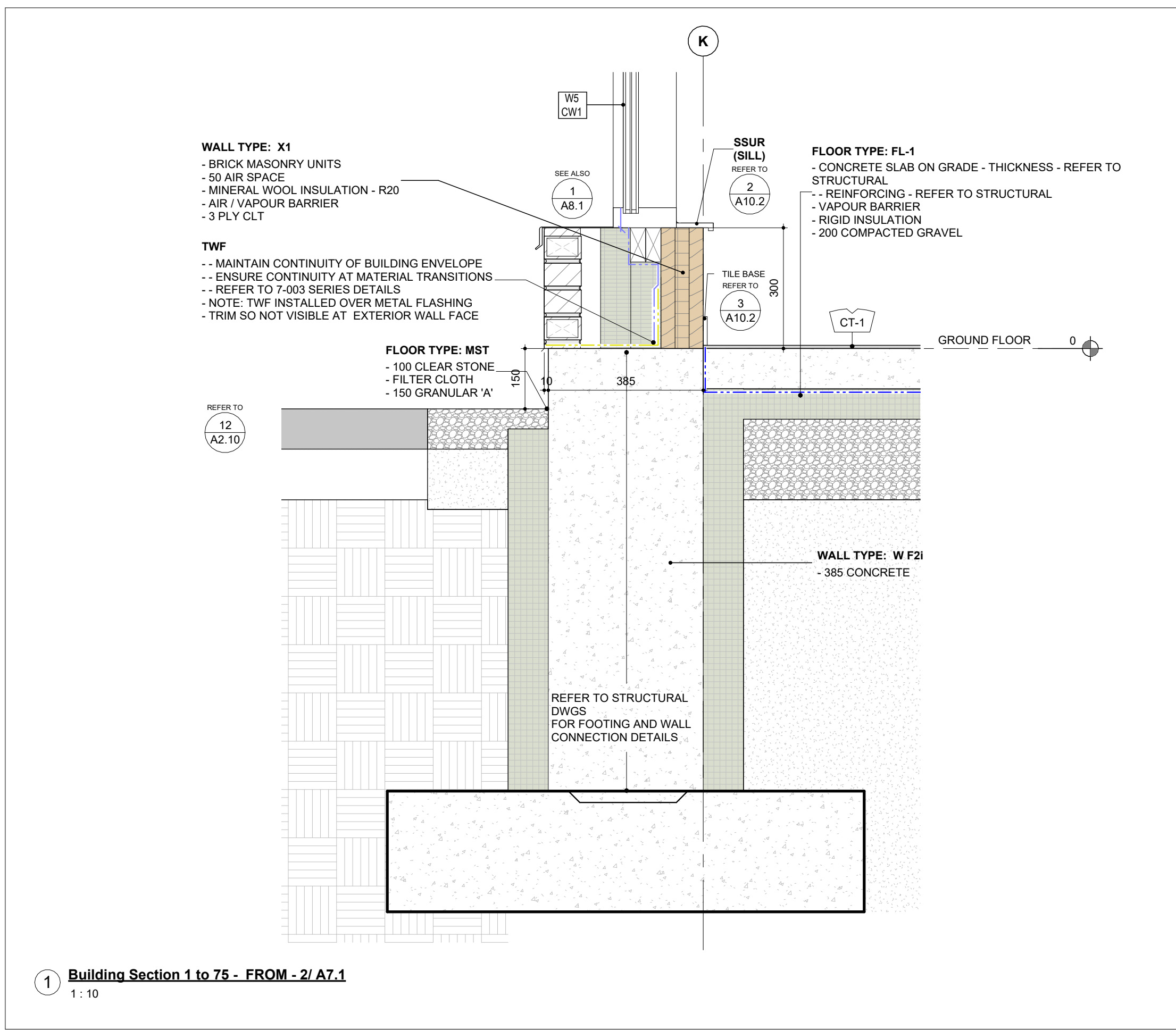
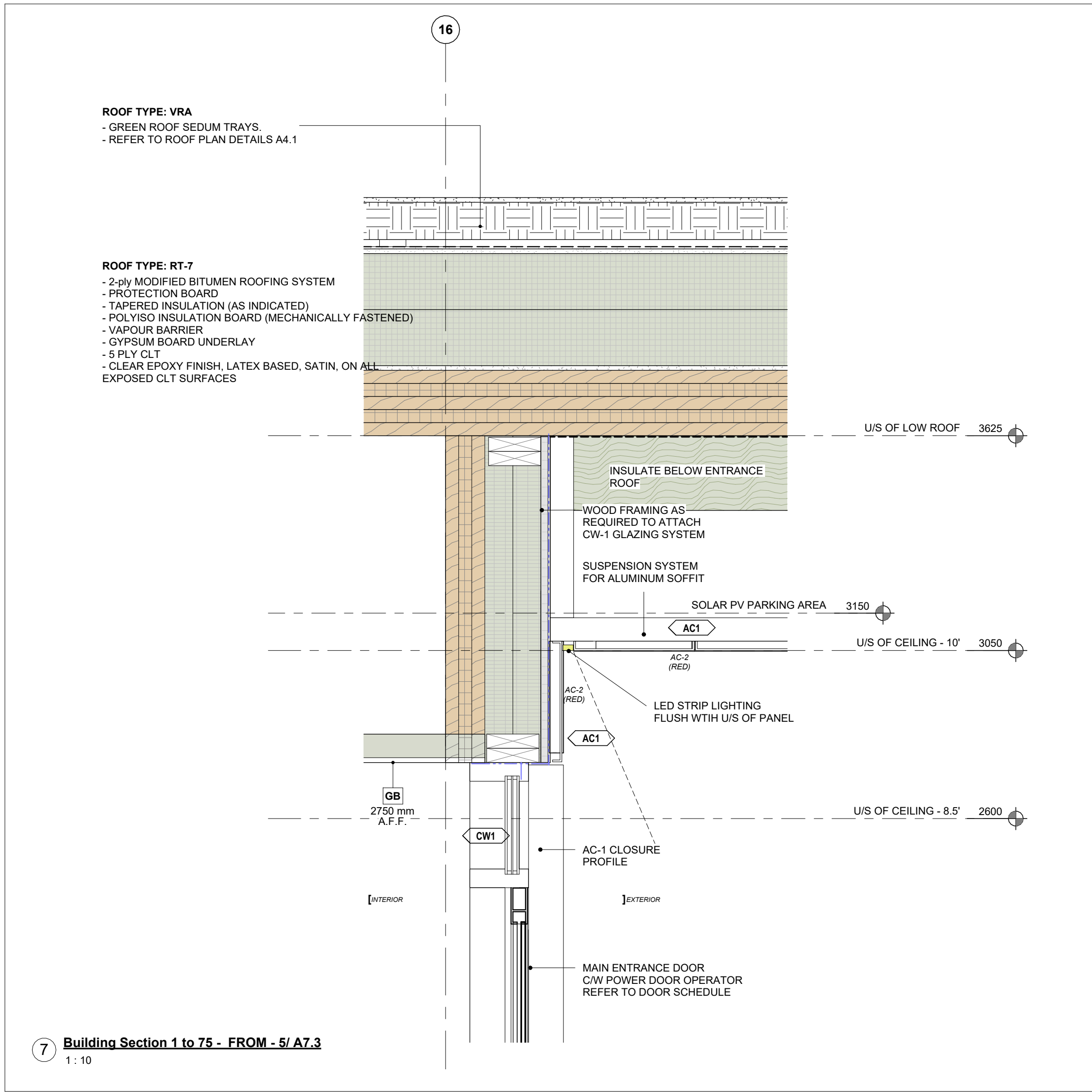
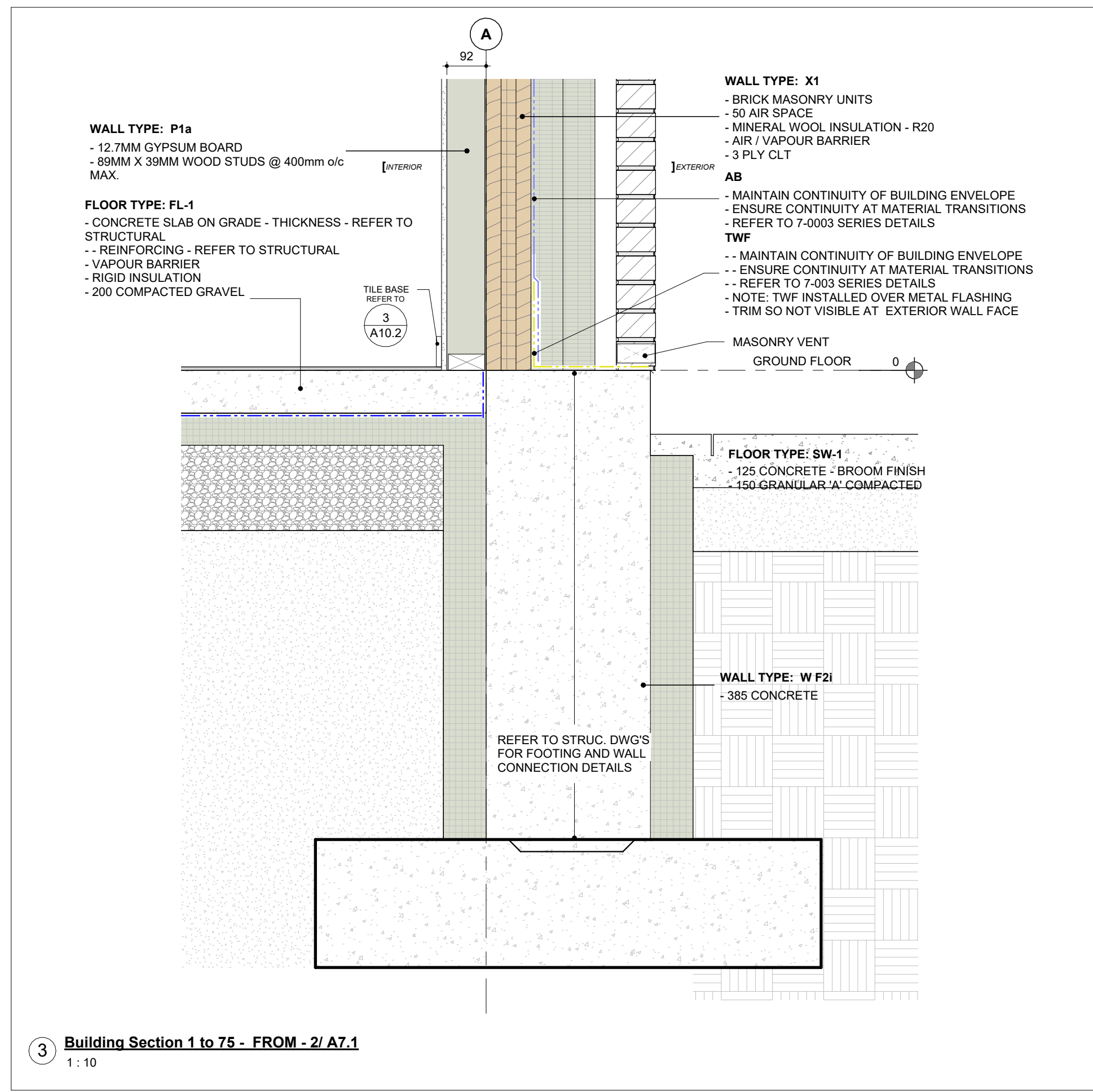
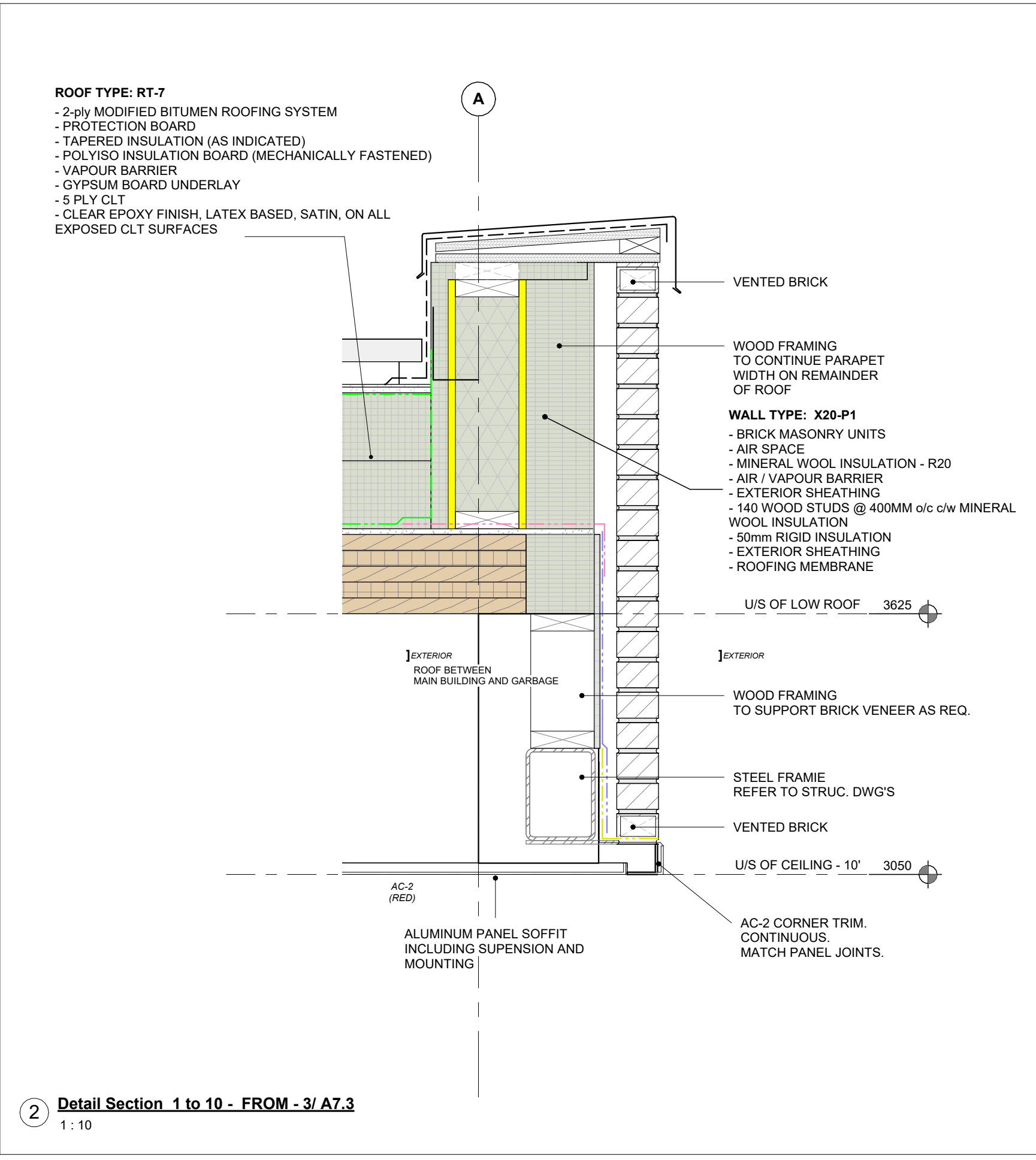
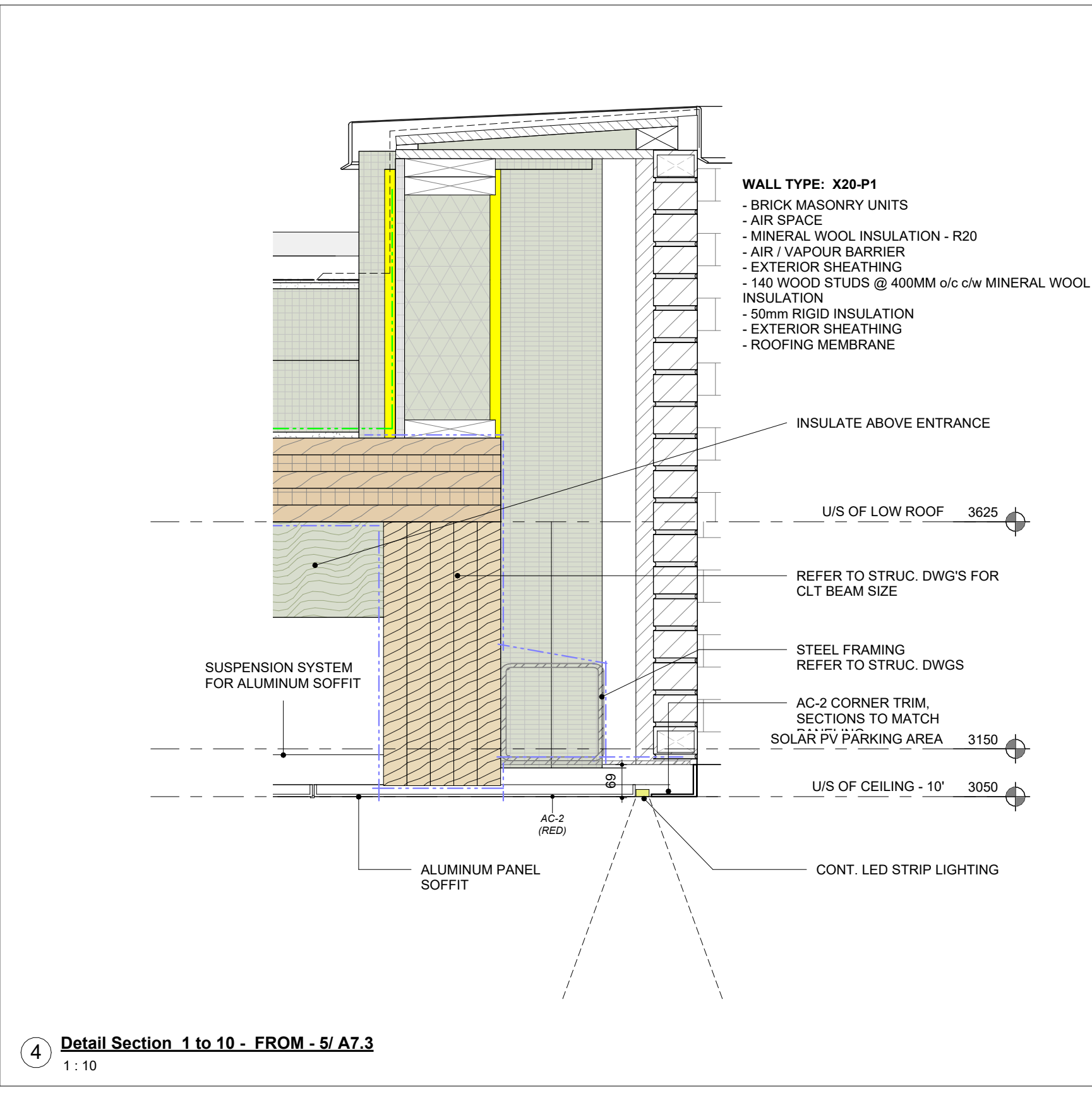
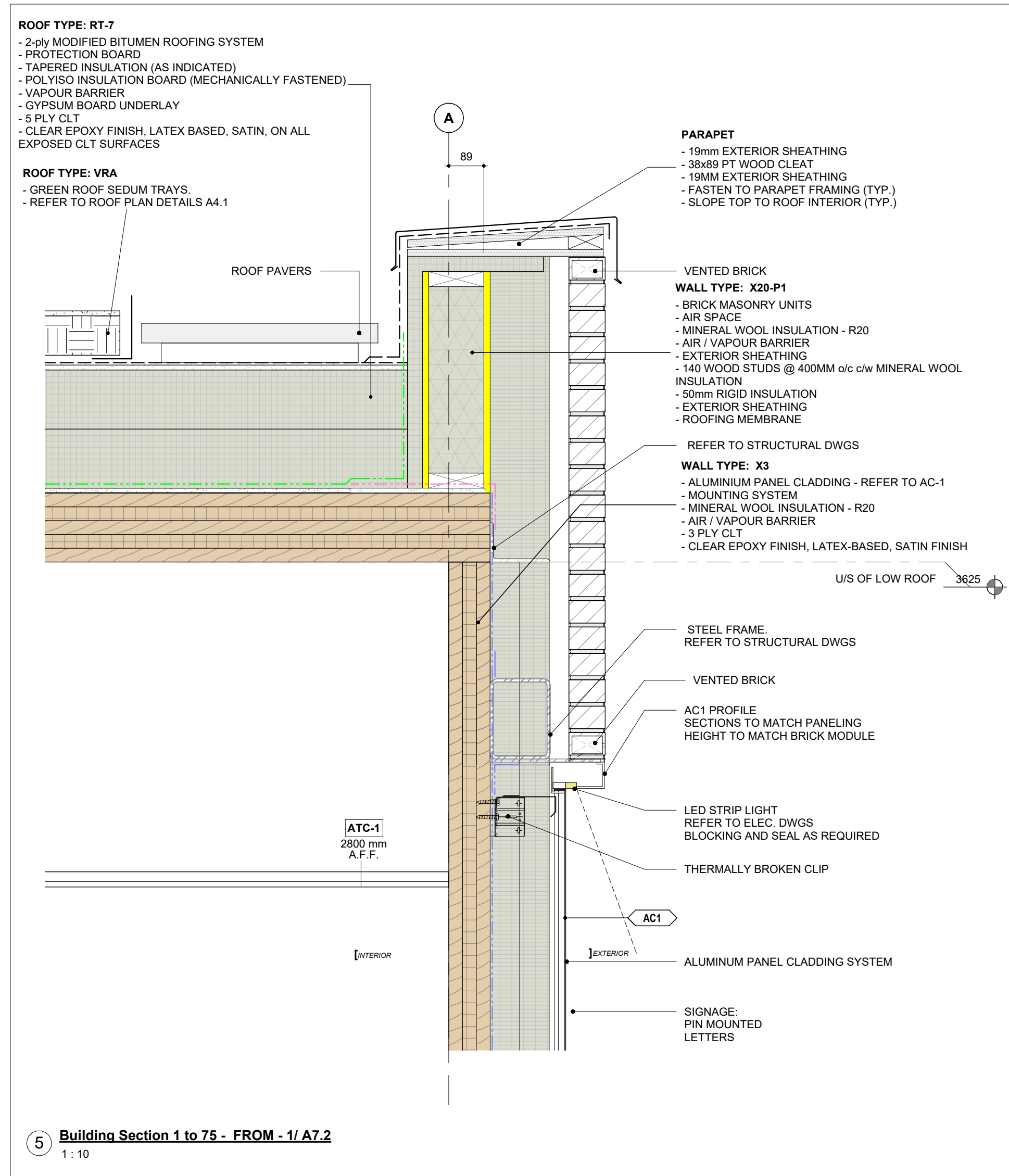
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ORIENTATION

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PROJECT No.	2104
DRAWING No.	A8.3
REVISION	26

2024-04-19 10:49:34 AM



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NO.	ISSUED FOR	DATE
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24	ISSUED FOR CLASS A	2024-02-16
26	T24-253 - IFT	2024-04-15



FILE NO. SP.22.V.0191

CITY OF VAUGHAN FIRE STATION 7-12

9511 WESTON ROAD, VAUGHAN

CLIENT

ARCHITECT

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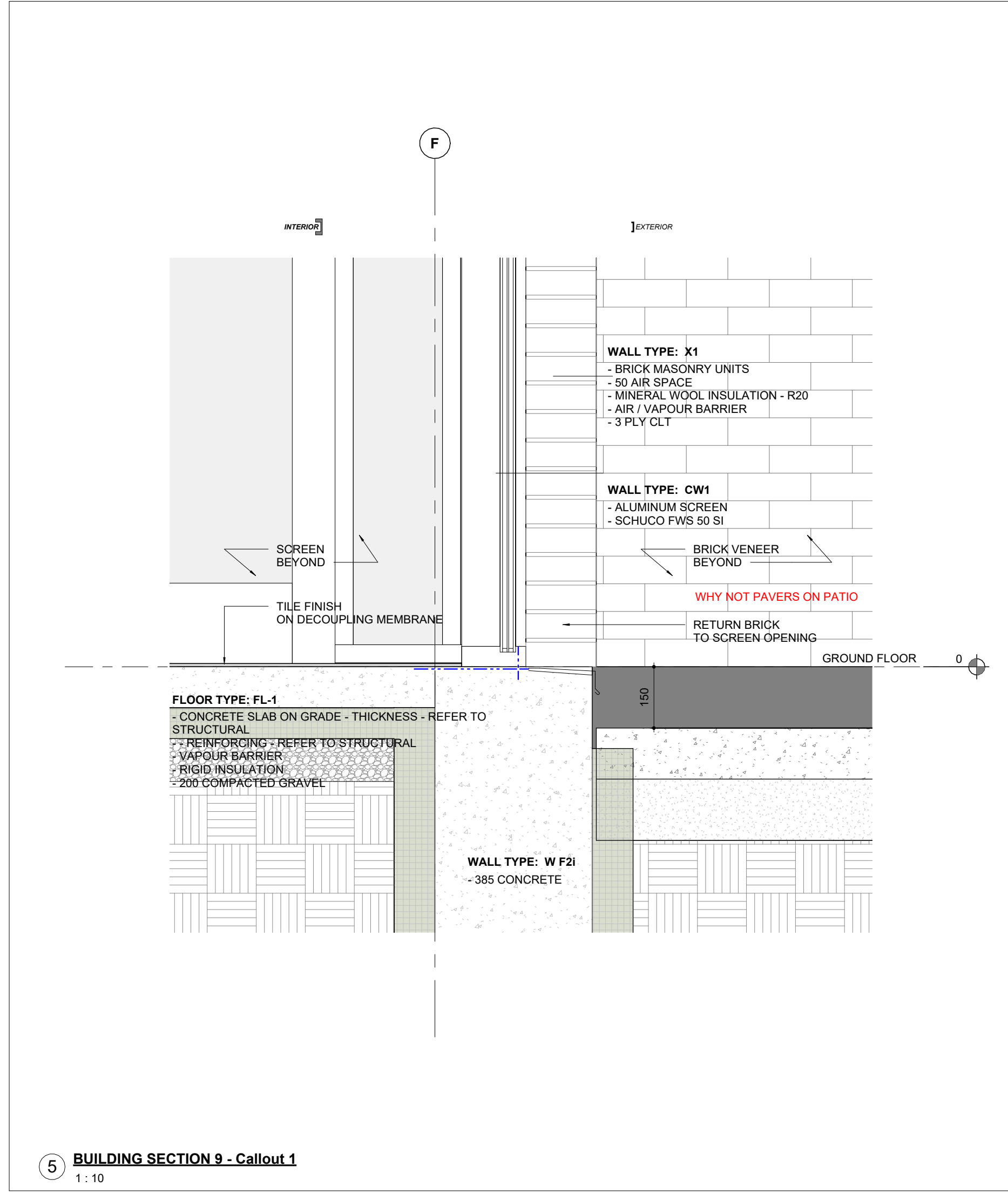
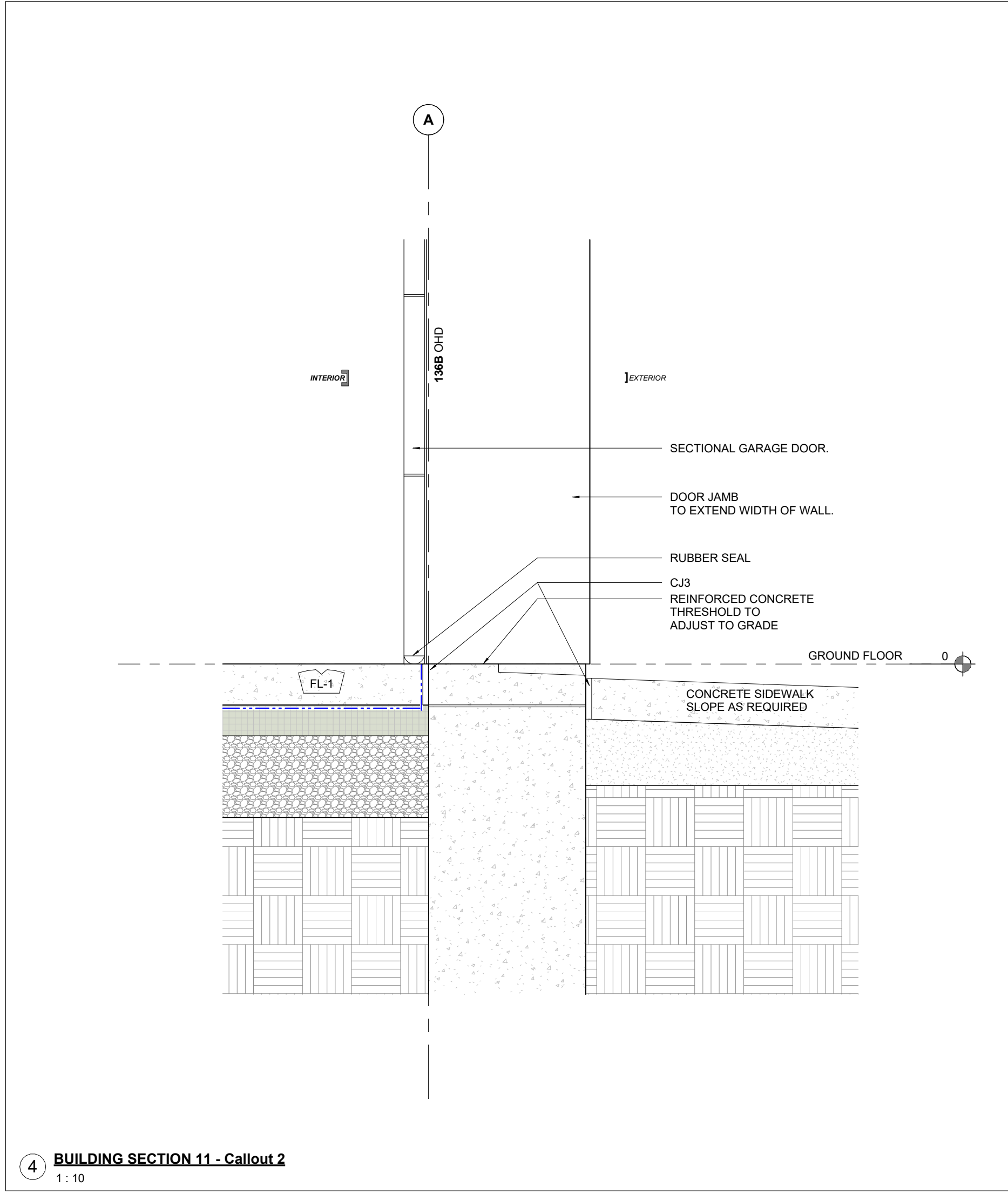
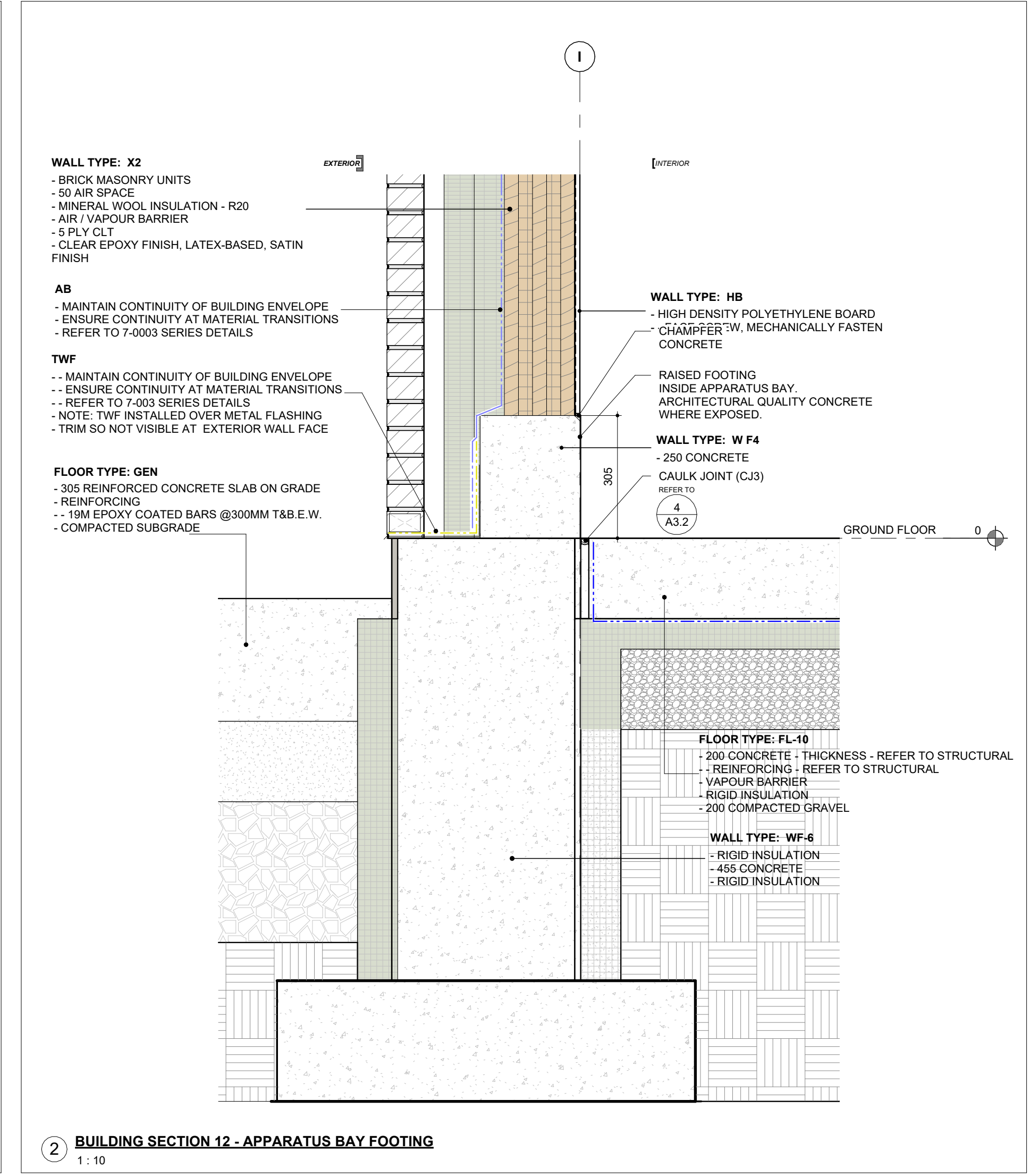
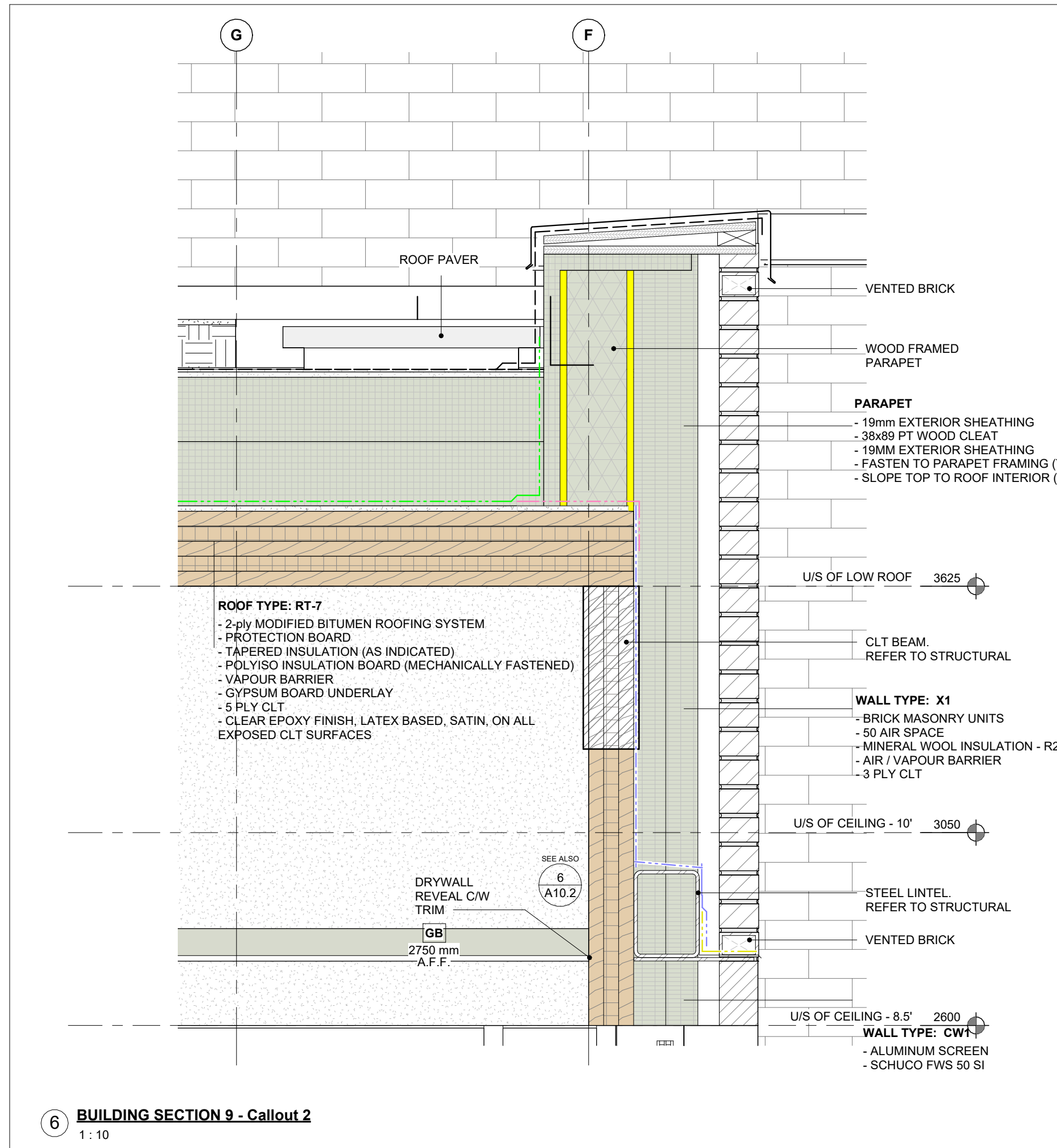
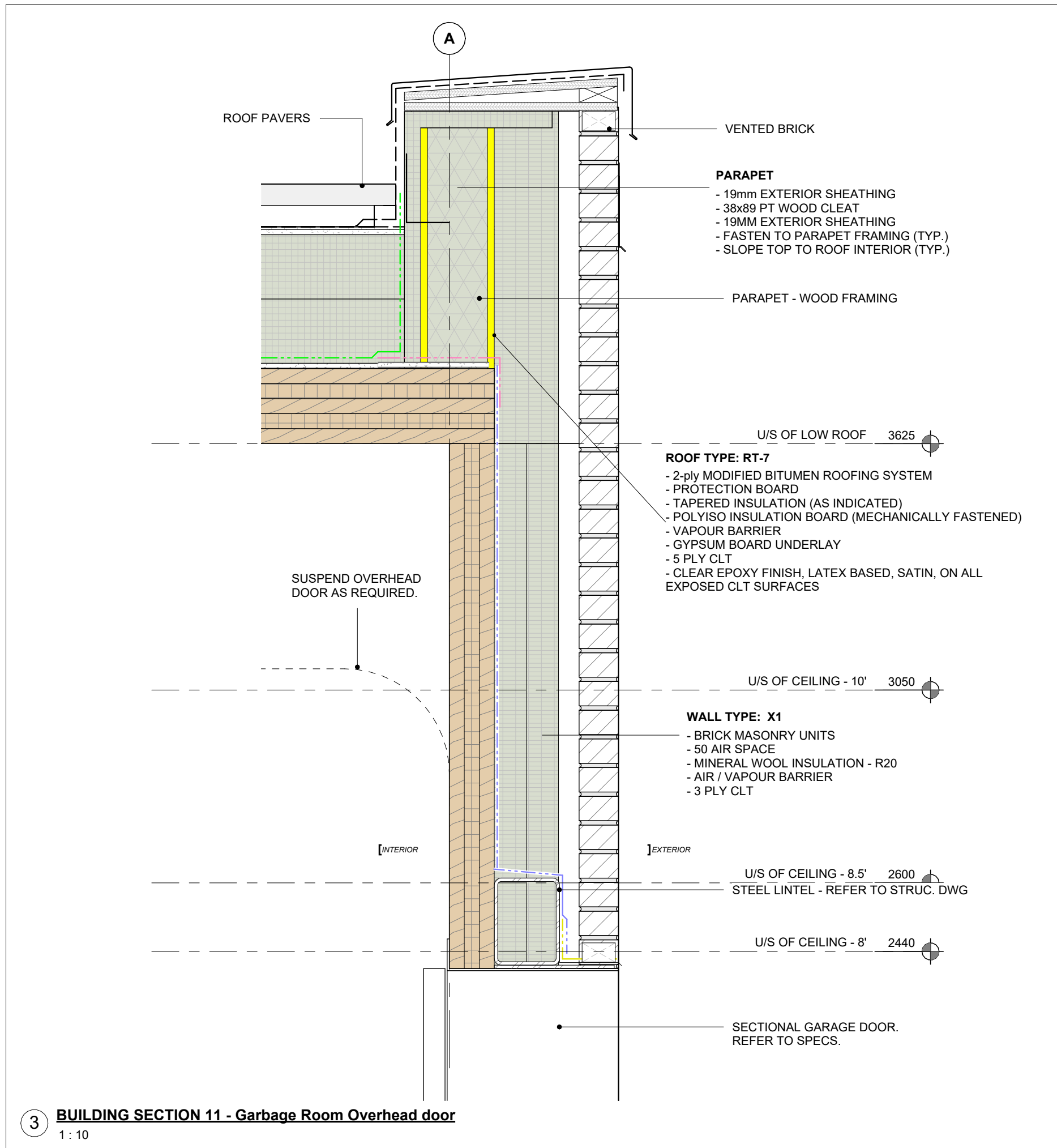
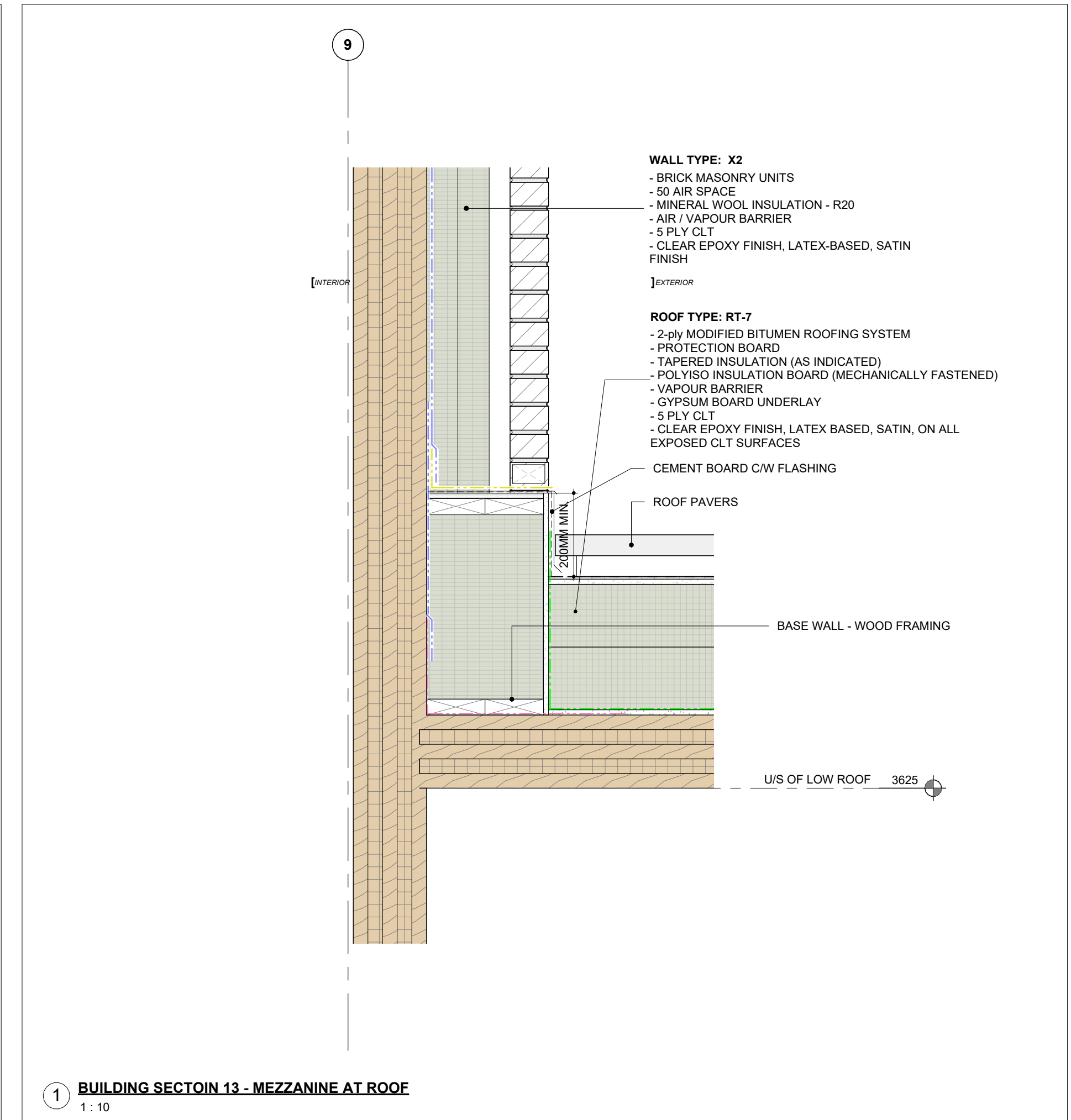
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24	ISSUED FOR CLASS A	2024-02-16
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CITY OF VAUGHAN FIRE STATION 7-12

9511 WESTON ROAD, VAUGHAN

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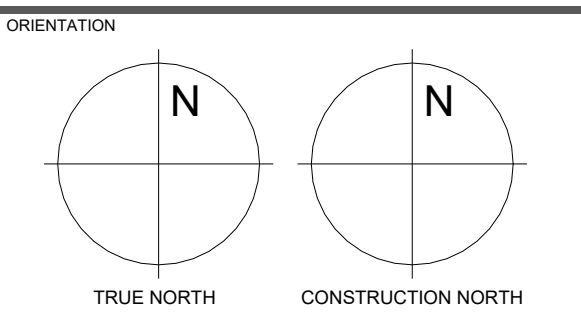


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PROFESSIONAL SEAL

DWG TITLE
**APPARATUS BAY
AXO VIEW**



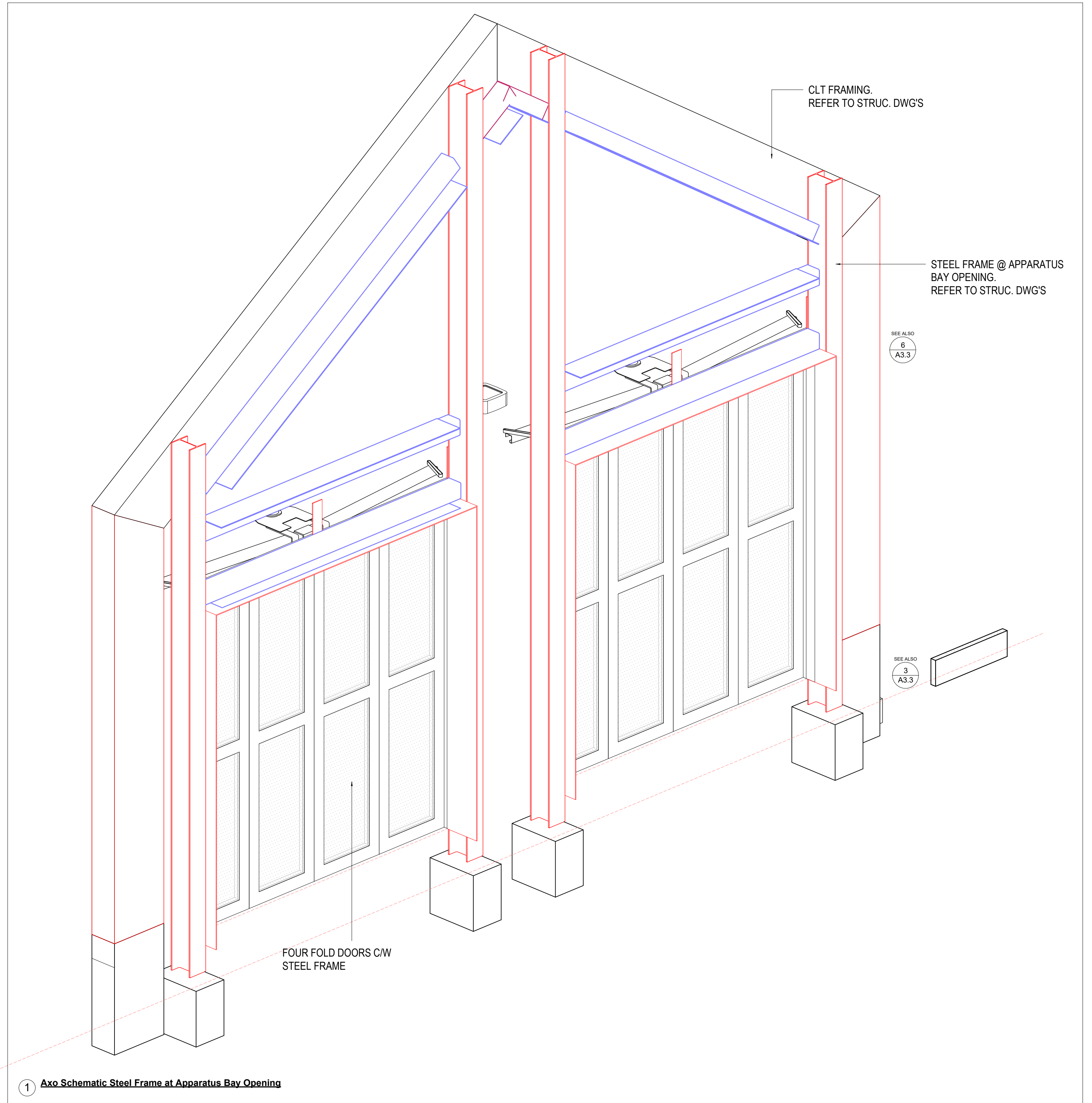
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2021-11-24

SCALE
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Author

DWG STATUS
TENDER

PROJECT No.
2104

DRAWING No.
A8.5 REVISION
26



① Axo Schematic Steel Frame at Apparatus Bay Opening

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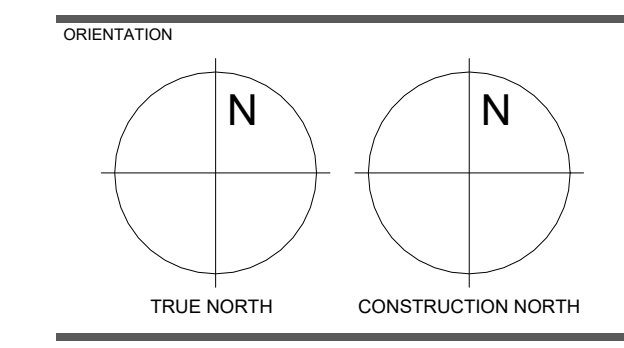
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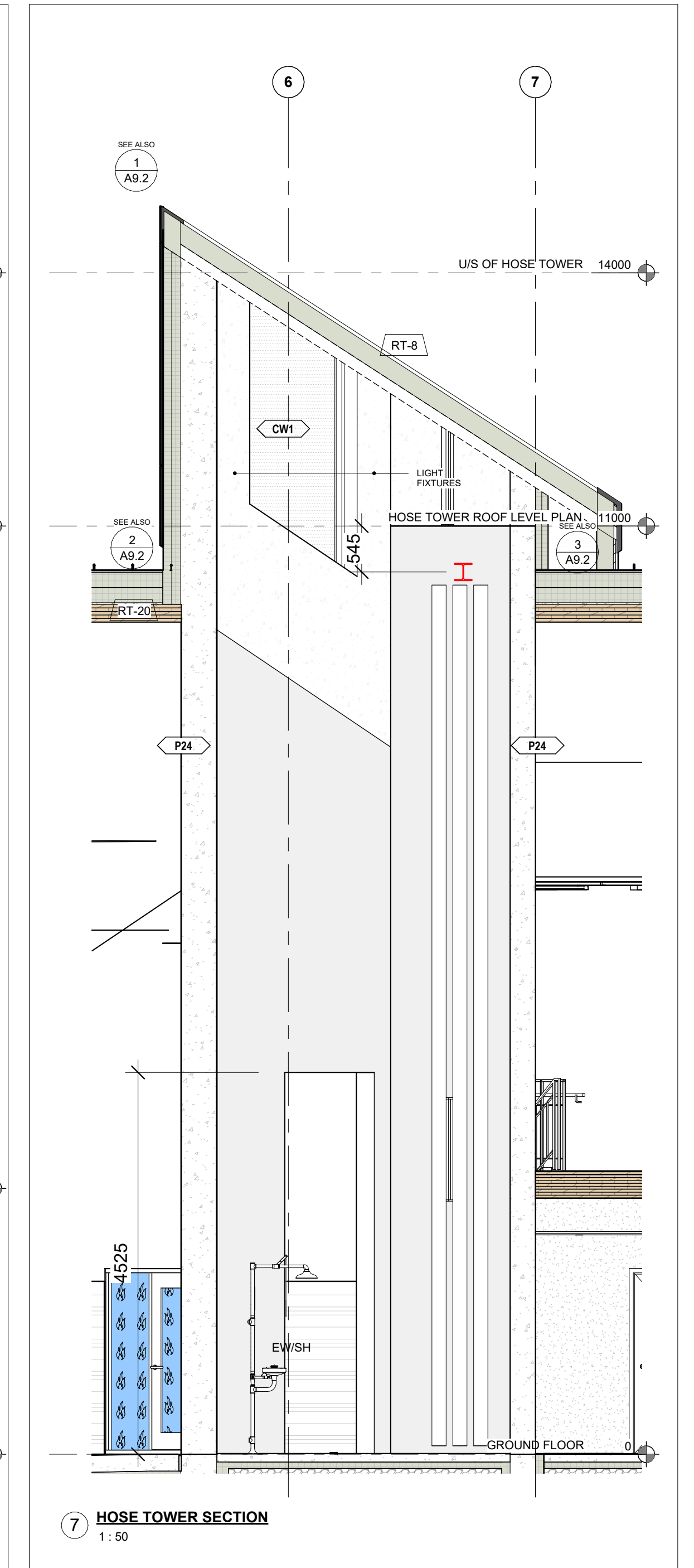
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DWG TITLE
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AND SECTION**

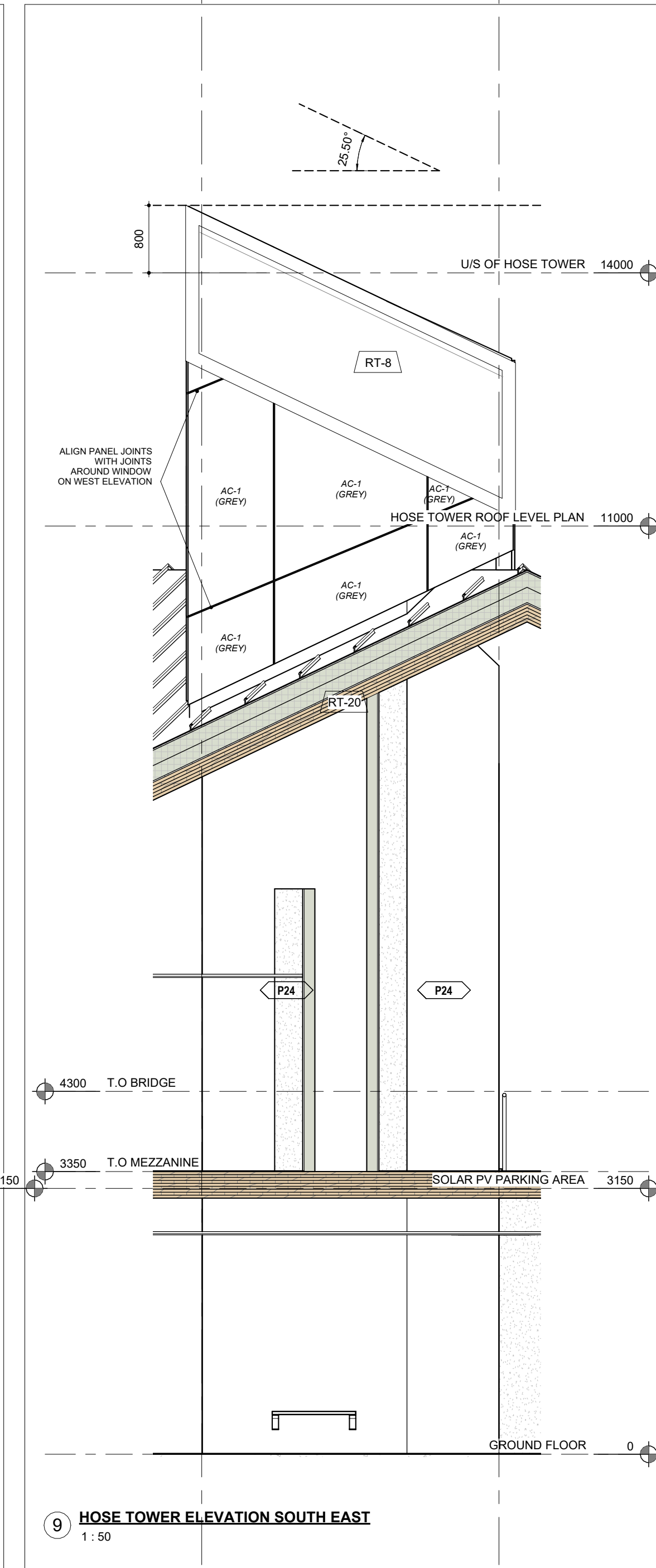


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DWG STATUS	TENDER
PROJECT No.	2104
DRAWING No.	A9.1
REVISION	26

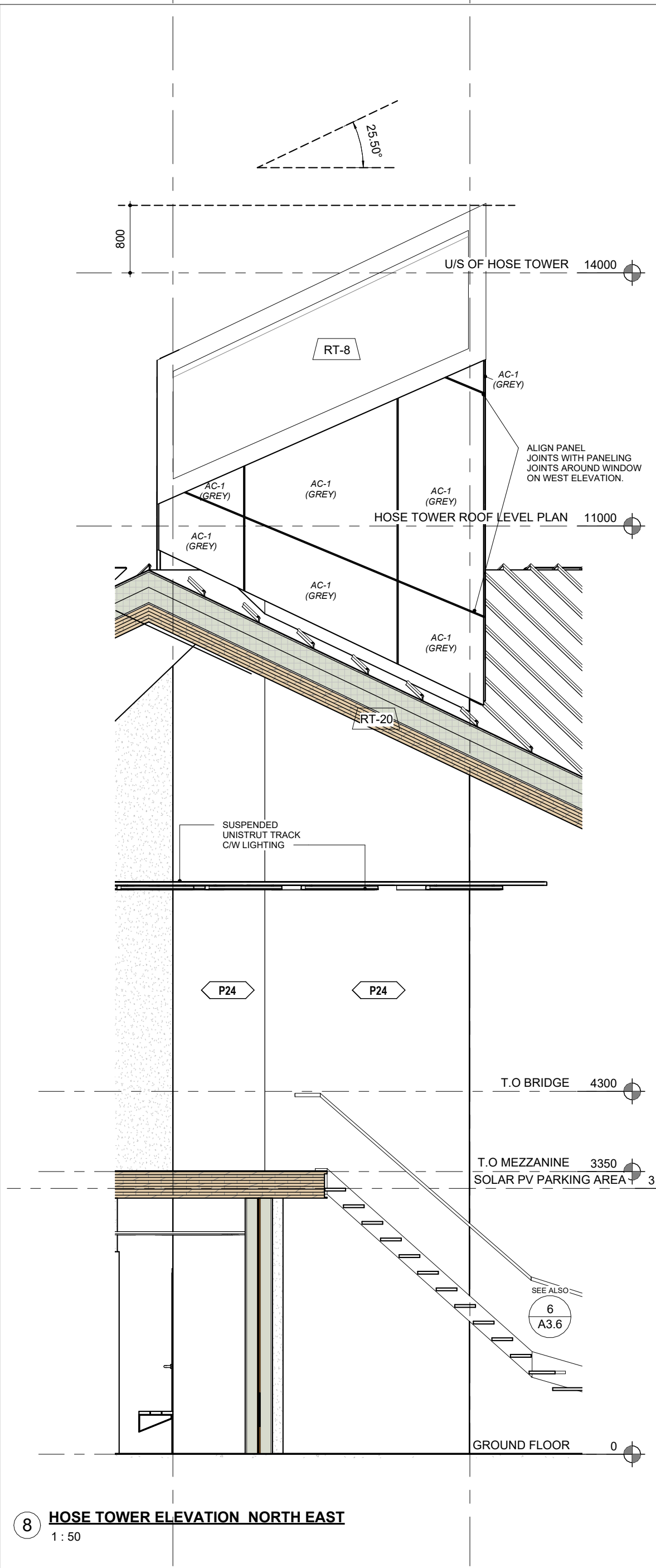
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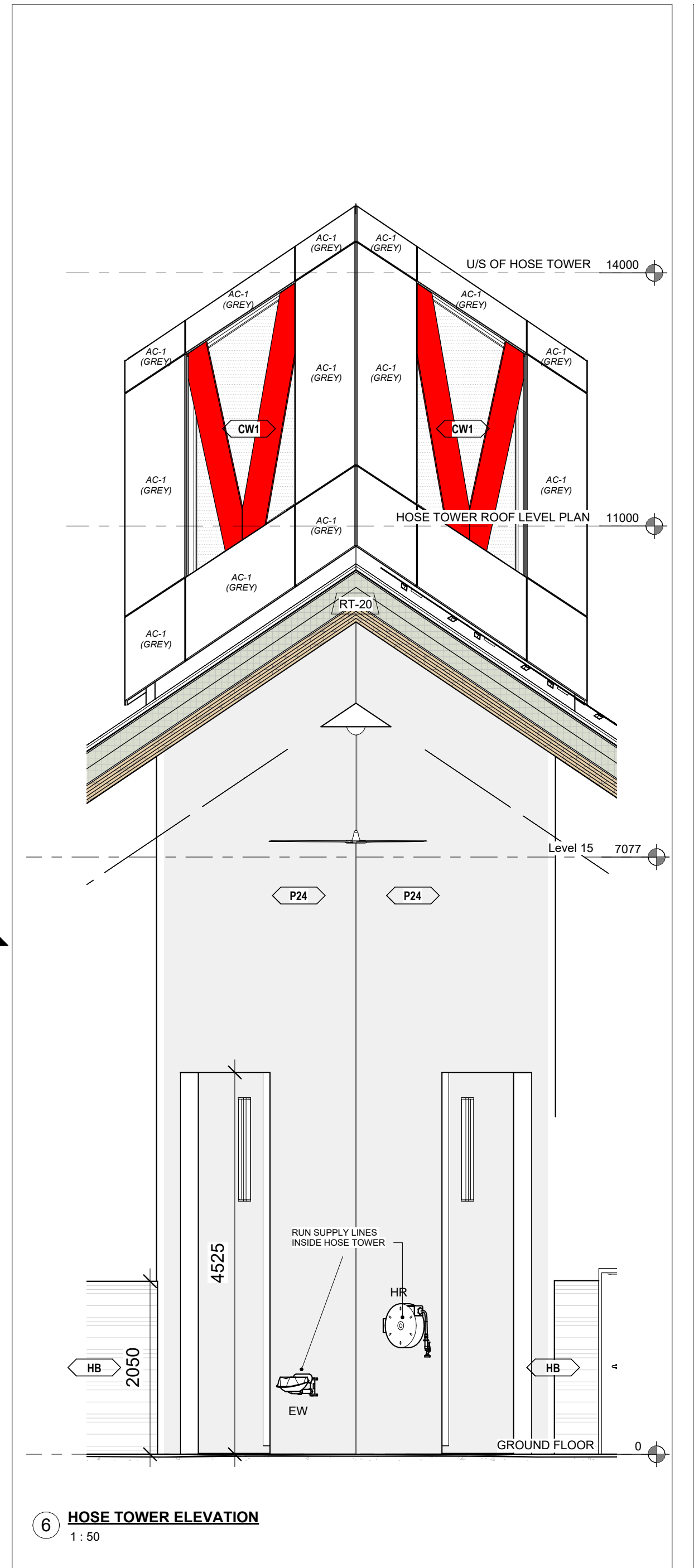
7 HOSE TOWER SECTION
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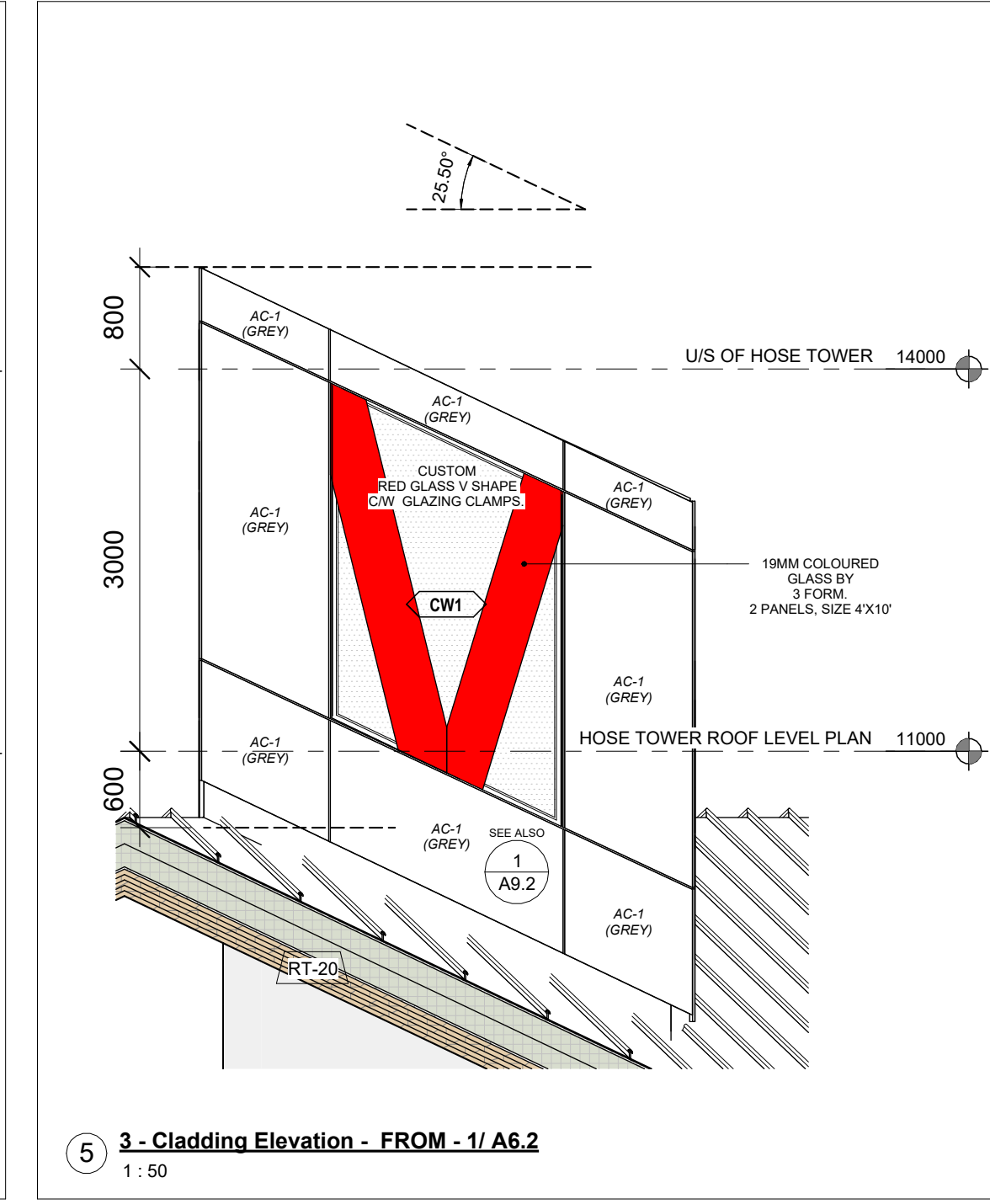
9 HOSE TOWER ELEVATION SOUTH EAST
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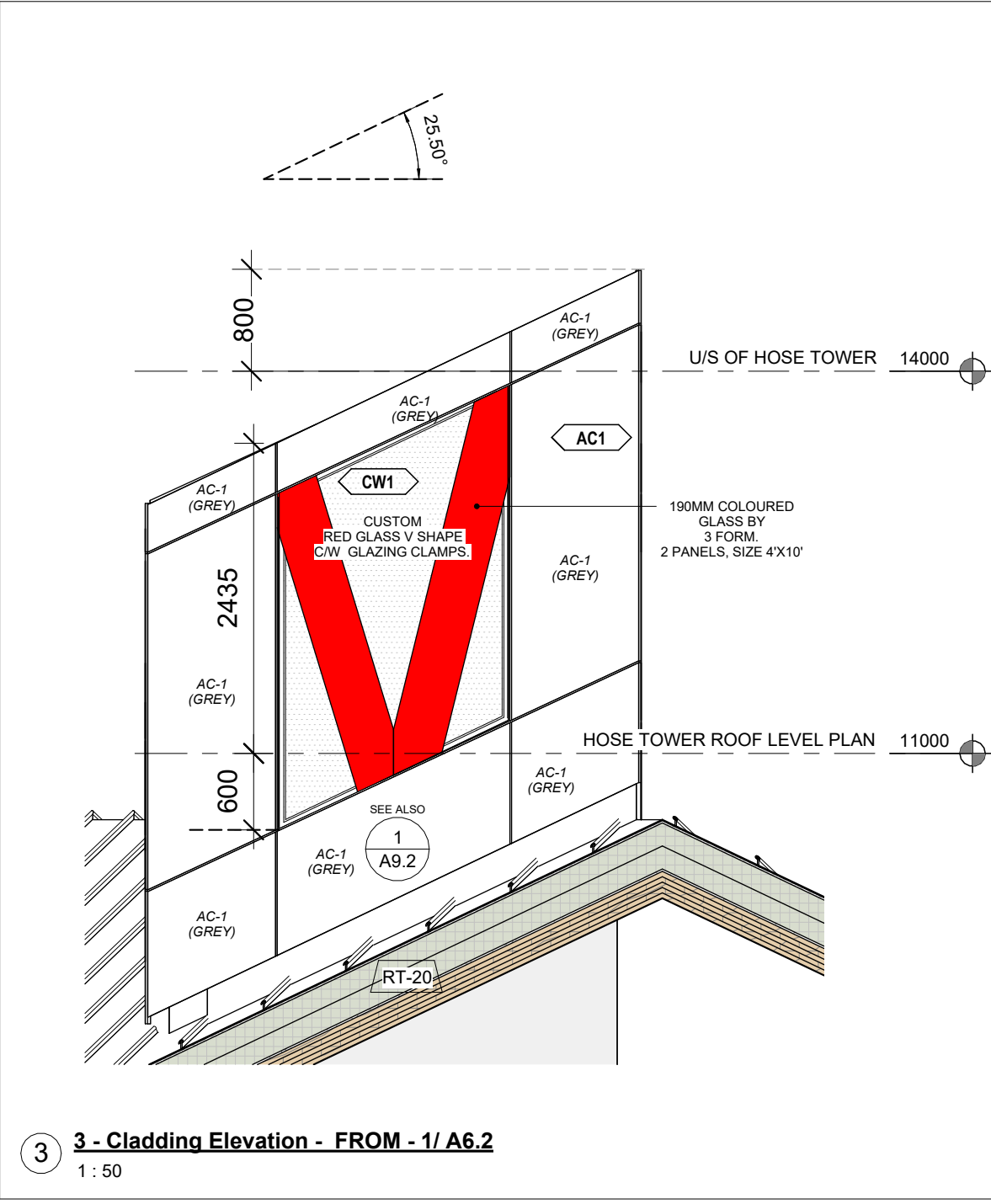
8 HOSE TOWER ELEVATION NORTH EAST
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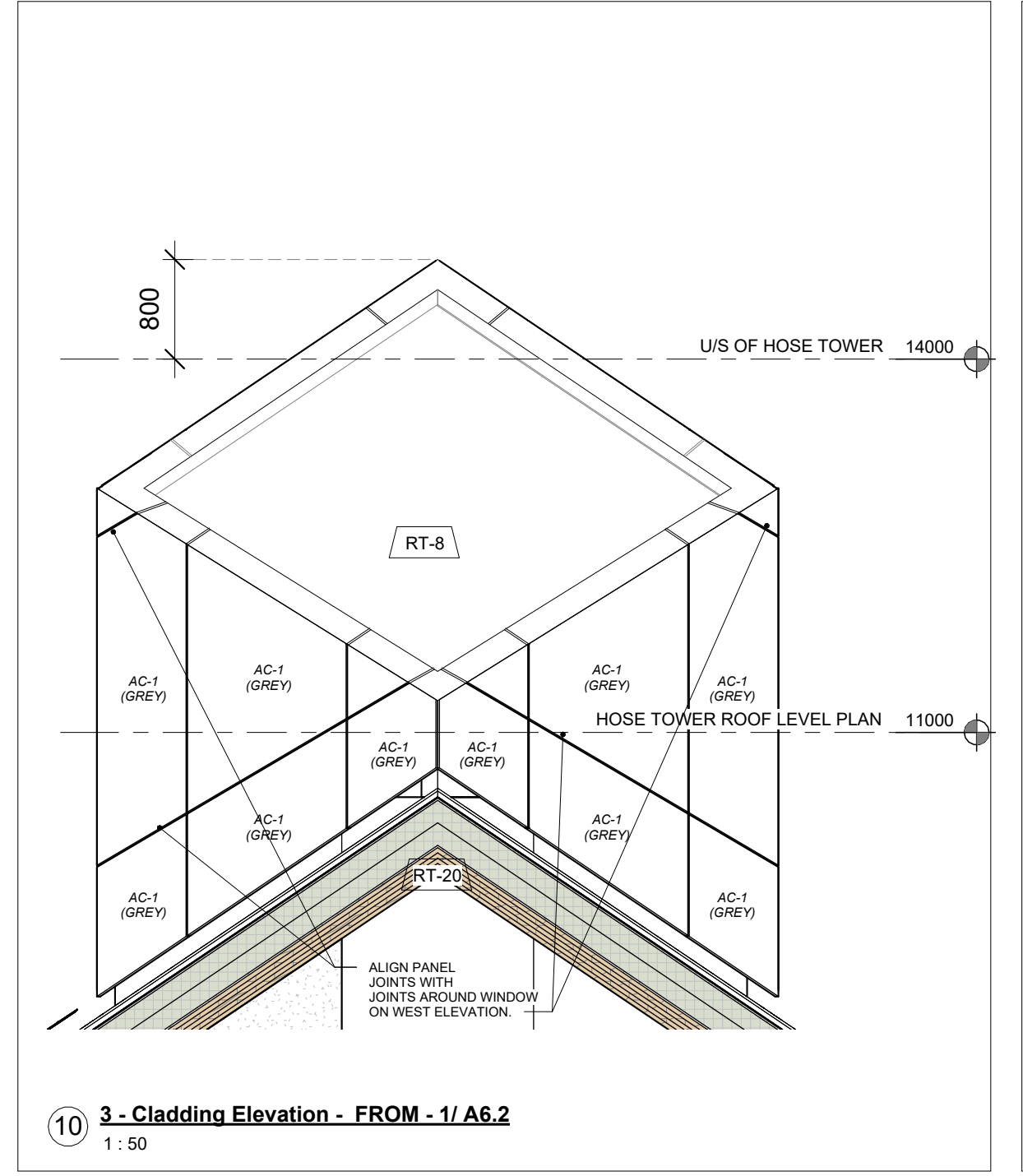
6 HOSE TOWER ELEVATION
1 : 50



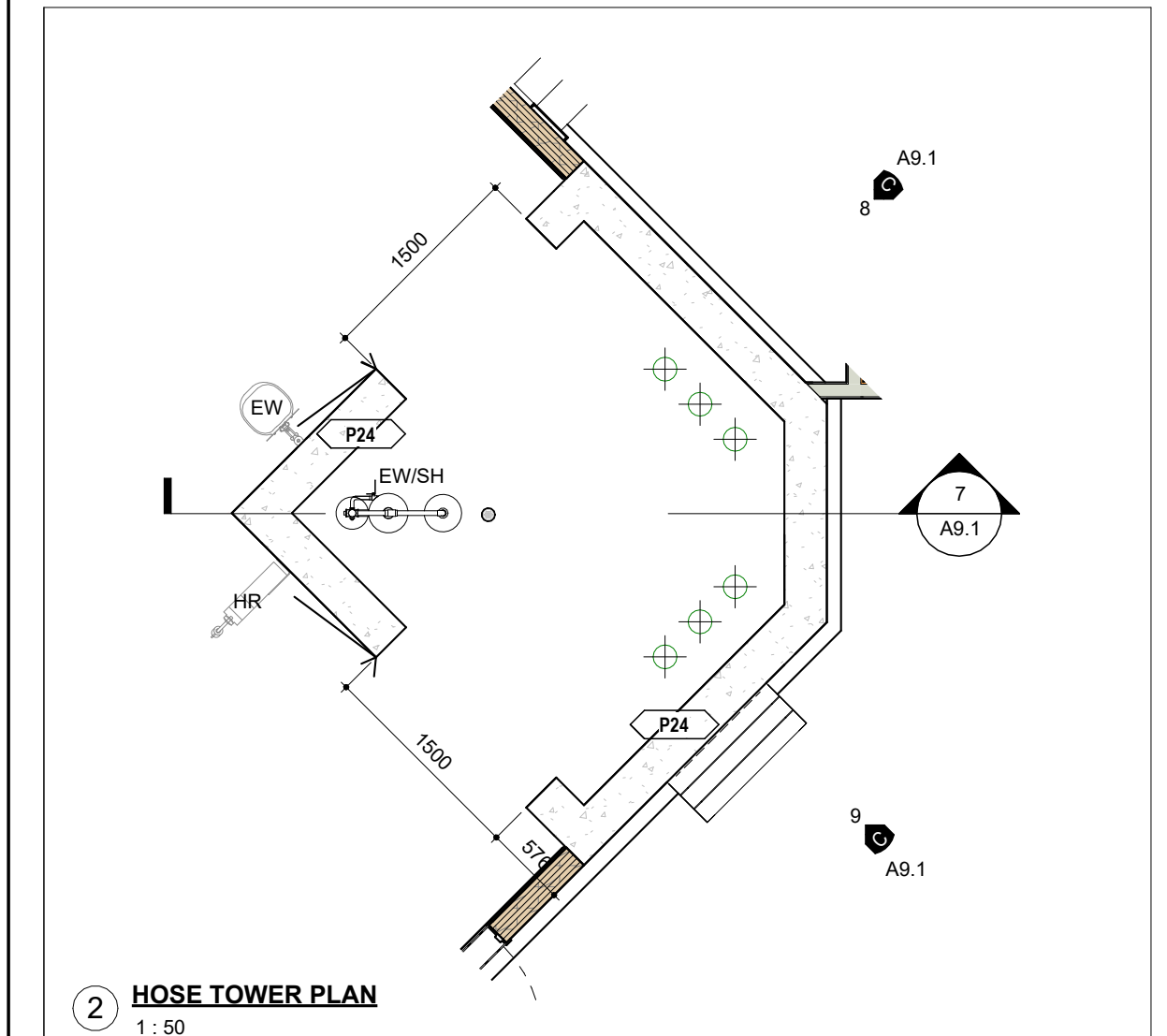
5 3 - Cladding Elevation - FROM - 1/ A6.2
1 : 50



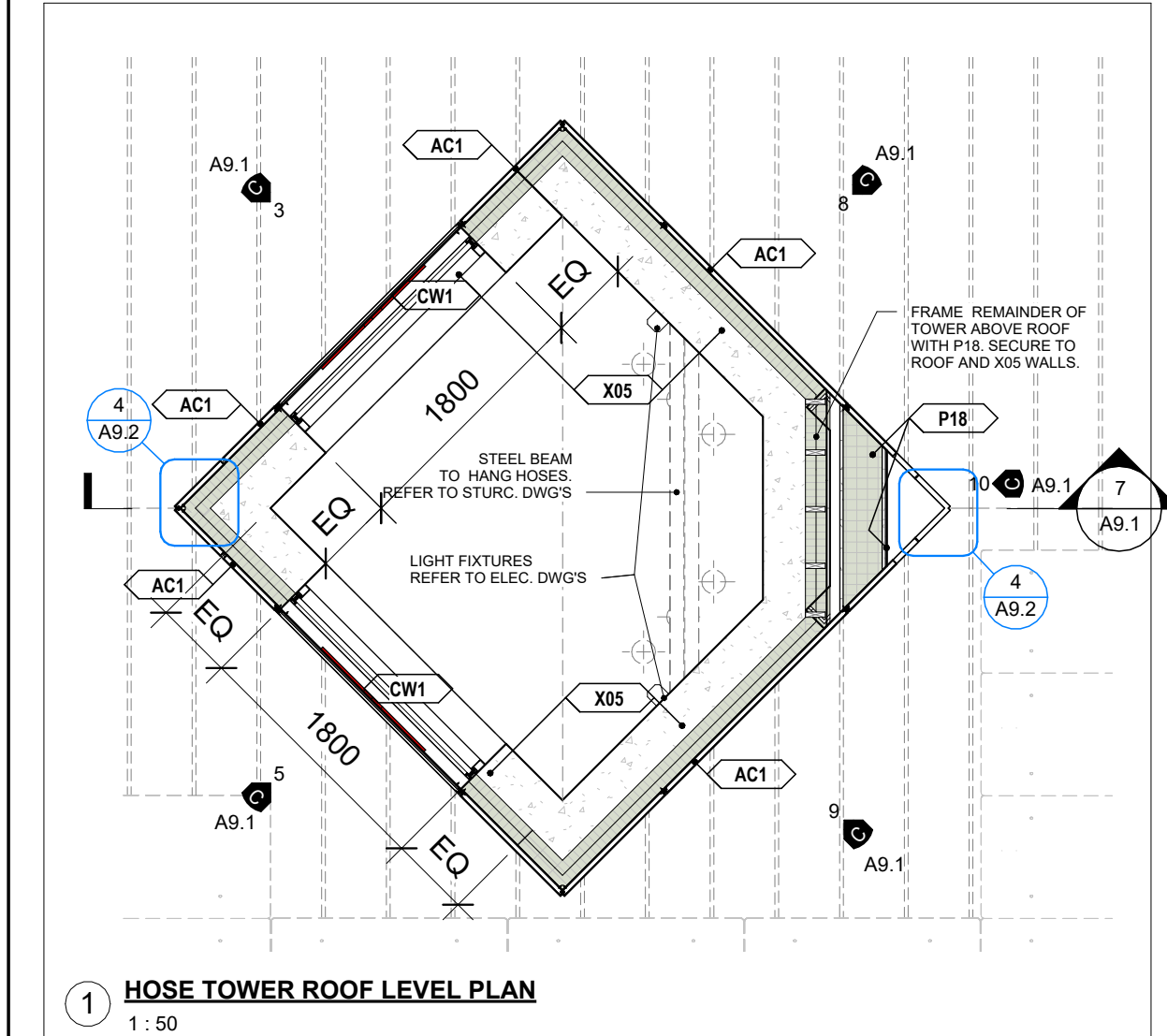
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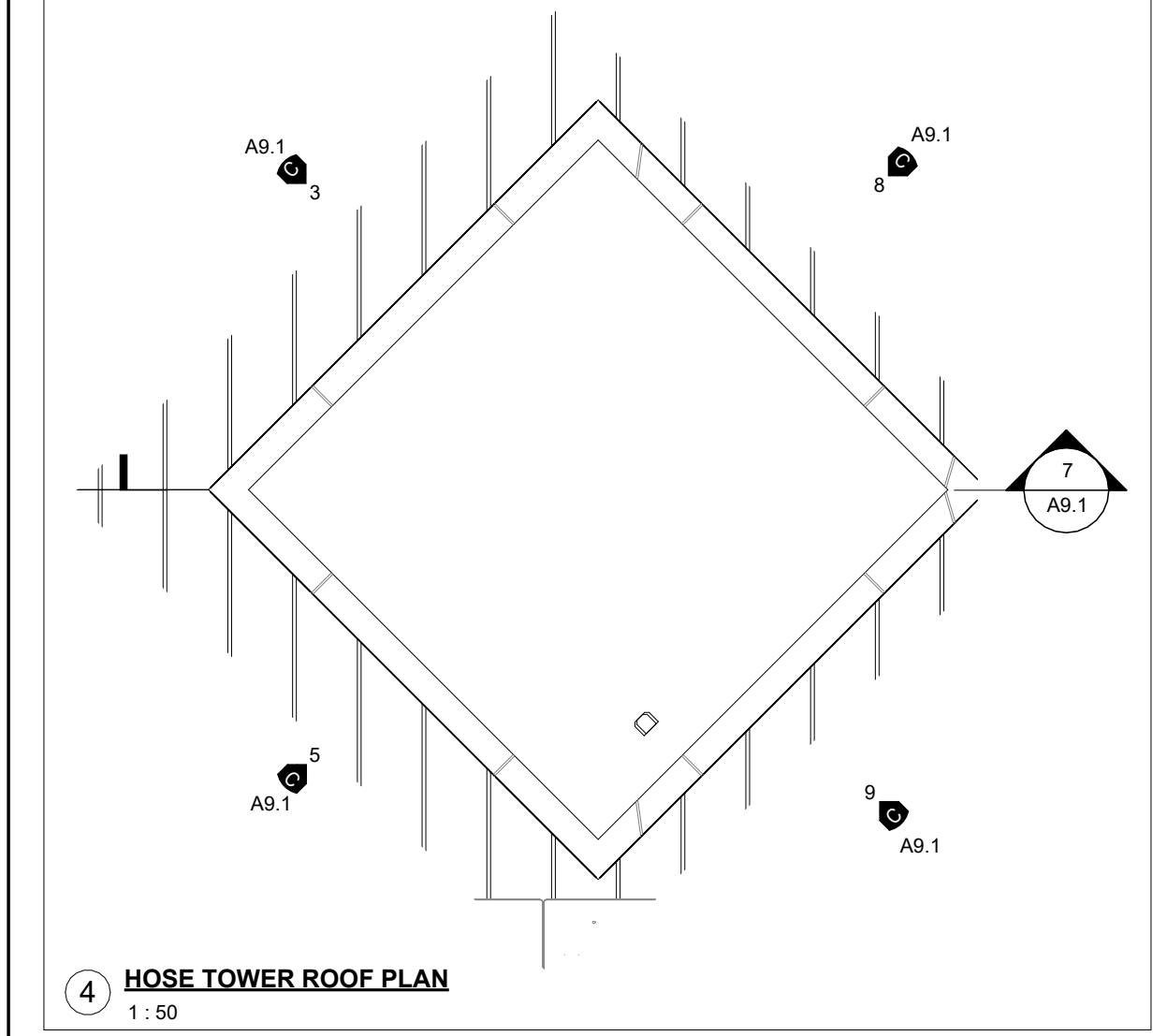
10 3 - Cladding Elevation - FROM - 1/ A6.2
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2 HOSE TOWER PLAN
1 : 50

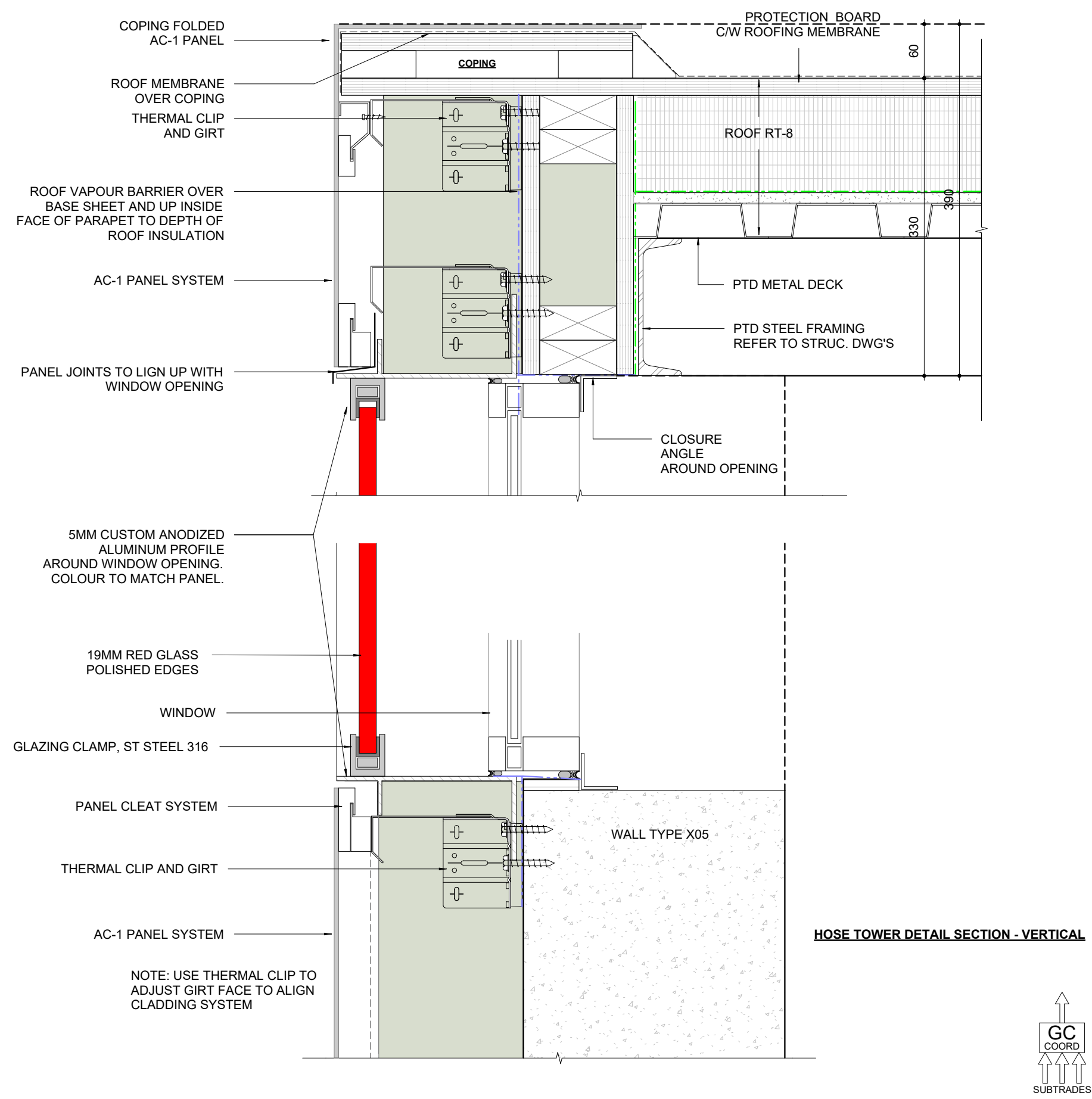


1 HOSE TOWER ROOF LEVEL PLAN
1 : 50

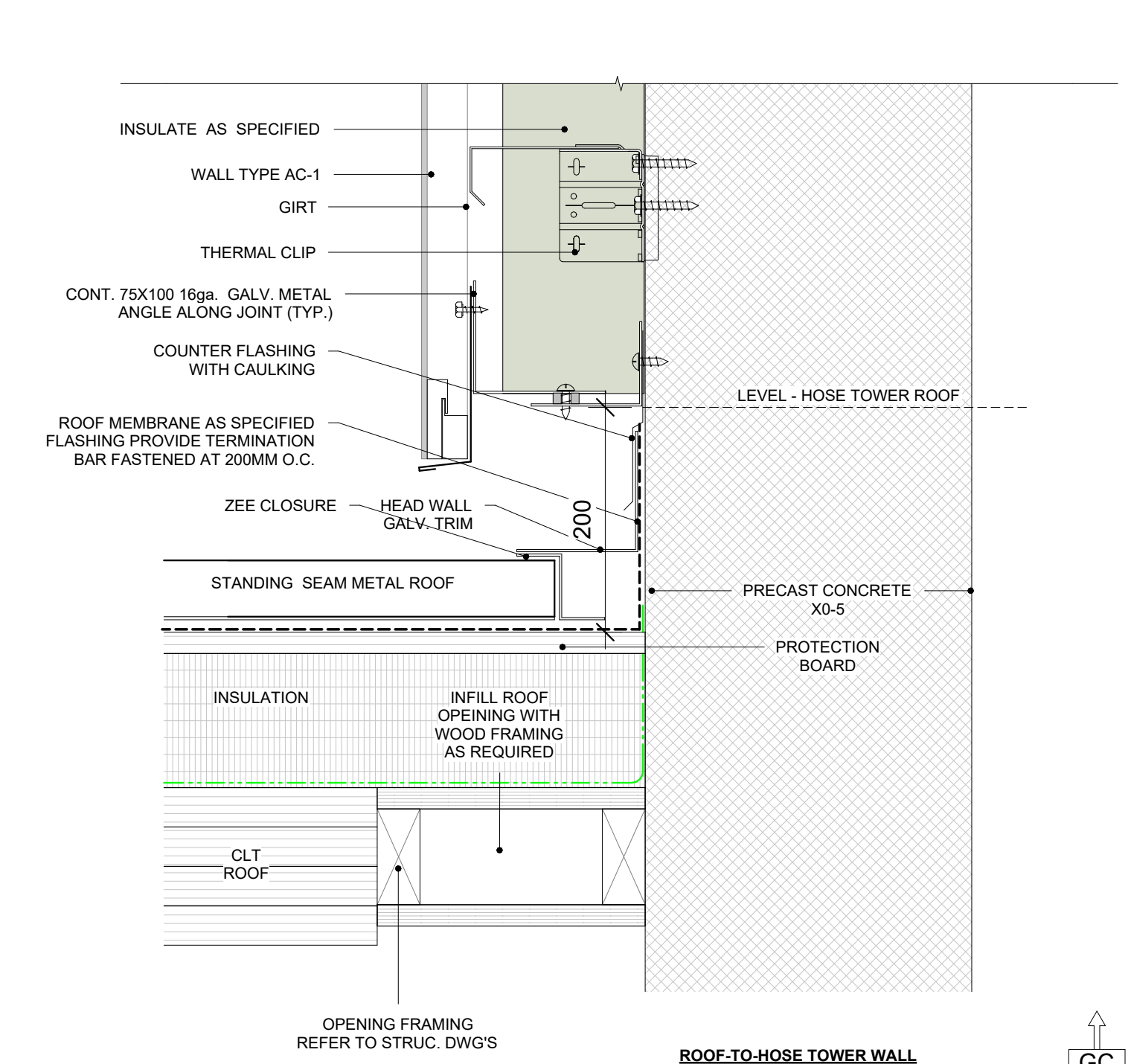
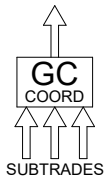


4 HOSE TOWER ROOF PLAN
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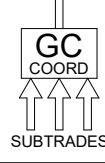
NOTES:
1. DETAILS REPRESENT TYPICAL APPLICATION. ADAPT INSTALLATION TO SUIT CONDITIONS
2. USE LIQUID MEMBRANE RECOMMENDED BY ROOFING SYSTEM MAUFACTURER



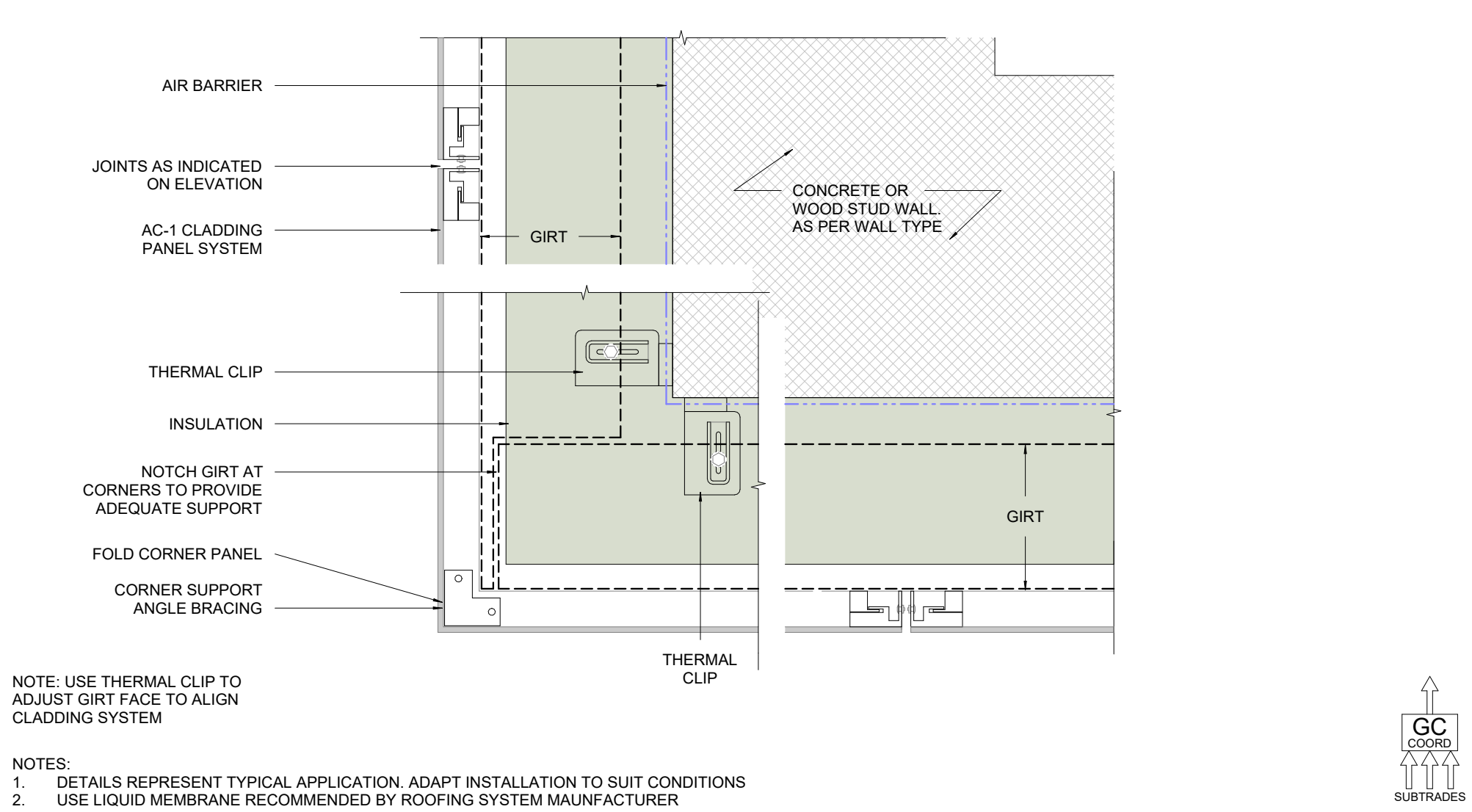
HOSE TOWER DETAIL SECTION - VERTICAL



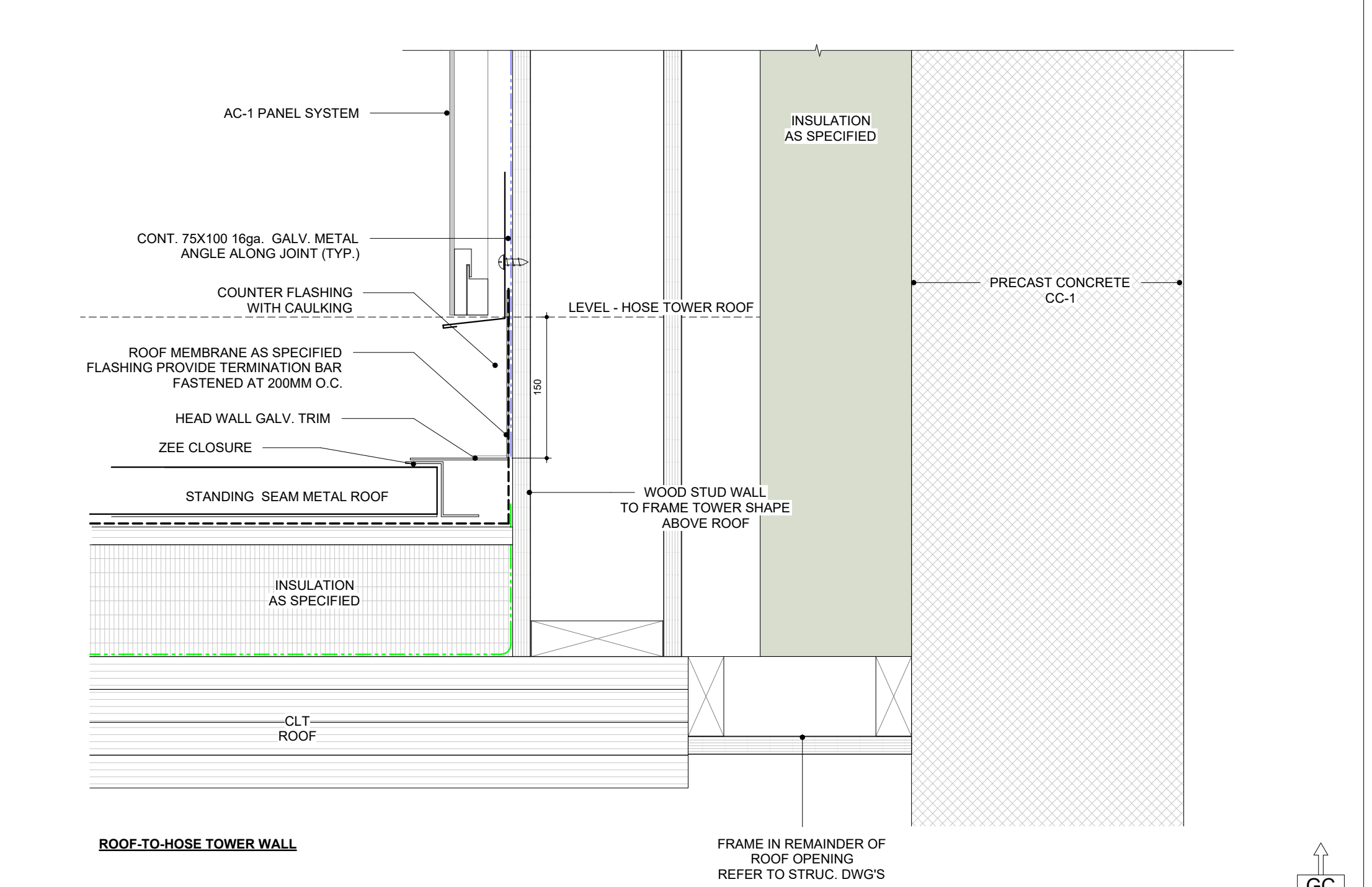
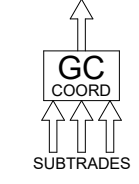
ROOF-TO-HOSE TOWER WALL



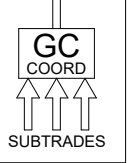
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1. DETAILS REPRESENT TYPICAL APPLICATION. ADAPT INSTALLATION TO SUIT CONDITIONS
2. USE LIQUID MEMBRANE RECOMMENDED BY ROOFING SYSTEM MAUFACTURER



NOTES:
1. DETAILS REPRESENT TYPICAL APPLICATION. ADAPT INSTALLATION TO SUIT CONDITIONS
2. USE LIQUID MEMBRANE RECOMMENDED BY ROOFING SYSTEM MAUFACTURER



ROOF-TO-HOSE TOWER WALL



NOTES:
1. DETAILS REPRESENT TYPICAL APPLICATION. ADAPT INSTALLATION TO SUIT CONDITIONS
2. USE LIQUID MEMBRANE RECOMMENDED BY ROOFING SYSTEM MAUFACTURER

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FILE NO. SP.22.V.0191

CITY OF VAUGHAN FIRE STATION 7-12

9511 WESTON ROAD, VAUGHAN



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ARCHITECT
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PROFESSIONAL SEAL

DWG TITLE
**HOSE TOWER
DETAILS**

ORIENTATION

DATE
2021-11-24

SCALE
1 : 5

DWG STATUS
TENDER

PROJECT No.
2104

DRAWING No.
A9.2

REVISION
26

2024-04-19 10:49:54 AM

PNT-1	PAINT FINISH MANUFACTURER NUMBER - BENJAMIN MOORE COLOR - OC-65 TYPE - CHANTILLY LACE FINISH - INTERIOR ACRYLIC PAINT LOCATION - EGGHELL FINISH WALLS AND EXPOSED STEEL, UNLESS OTHERWISE NOTED EXPOSED STEEL TO RECEIVE SATIN FINISH
PNT-2	PAINT FINISH MANUFACTURER NUMBER - BENJAMIN MOORE COLOR - OC-117 TYPE - SIMPLY WHITE FINISH - INTERIOR ACRYLIC PAINT LOCATION - MATTE FINISH ALL EXPOSED GYPSUM BOARD CEILINGS, UNLESS OTHERWISE NOTED
PNT-3	PAINT FINISH MANUFACTURER NUMBER - BENJAMIN MOORE COLOR - 2125-20 TYPE - DEEP SPACE FINISH - INTERIOR ACRYLIC PAINT LOCATION - SATIN FINISH HOLLOW METAL DOORS & FRAMES
PNT-4	PAINT FINISH MANUFACTURER NUMBER - BENJAMIN MOORE COLOR - 2125-20 TYPE - DEEP SPACE FINISH - EXTERIOR/INTERIOR ACRYLIC PAINT LOCATION - SATIN FINISH ALL EXPOSED STEEL IN VEHICLE BAY CEILING (I.E. JOISTS AND DECK, CONDUITS, PIPES, ETC. REFER TO SPECIFICATIONS FOR COLOR FOR GAS AND SPRINKLER PIPES), SECTIONAL & FOUR FOLD DOOR JAMBS.

CT-1	FLOOR TILE - DECO TILE - NUX SERIES - TAUPE 810 x 810 - GROUT MAPEI OR EQUIVALENT COLOUR TBD - BASE AT WALL: 100mm CT-1 BASE AT ALL WALL JUNCTIONS - GROUT JOINTS: 1.5mm
-------------	---

CT-2	SHOWER FLOOR TILE - OLYMPIA TILE - OD QC BLK 0202 FS - GROUT TO MATCH TILE COLOUR
-------------	---

RSF-1	RESILIENT SPORTS FLOOR - TUFLEX - SPARTUS 334 ROUGE - RUBBER BASE: JOHNSONITE MANDALAY-XX-H 4.5' 49 BEIGE
--------------	--

C-SLD	SEALANT APPLIED TO CONCRETE BASE AND WALLS - UP TO 2200MM AFF - IN APPARATUS BAY AND HOSE TOWER
--------------	--

CHC	SEALANT APPLIED TO CONCRETE
------------	------------------------------------

5 FLOOR FINISHES	1:25
-------------------------	------

6 WALL FINISHES	1:25
------------------------	------



3 GROUND FLOOR FINISH PLAN 1:75

WT-1 10MM	WALL TILE DECO TILE - NUX SERIES 16X32 - TAUPE GROUT: MAPEI OR EQUIVALENT - COLOUR TBD
------------------	---

WT-5 6MM	CERAMIC TILE BACK SPLASH IN KITCHEN AND LAUNDRY. REFER TO ELEVATIONS CERAGRES - HEXA 4" - BRICK RED
-----------------	--

HB 13MM	HIGH DENSITY POLYETHYLENE BOARD - FACE SCREW, MECHANICALLY FASTEN
----------------	---

6 WALL FINISHES 1:25

2 10-0050 - IS-INTERIOR SIGNS

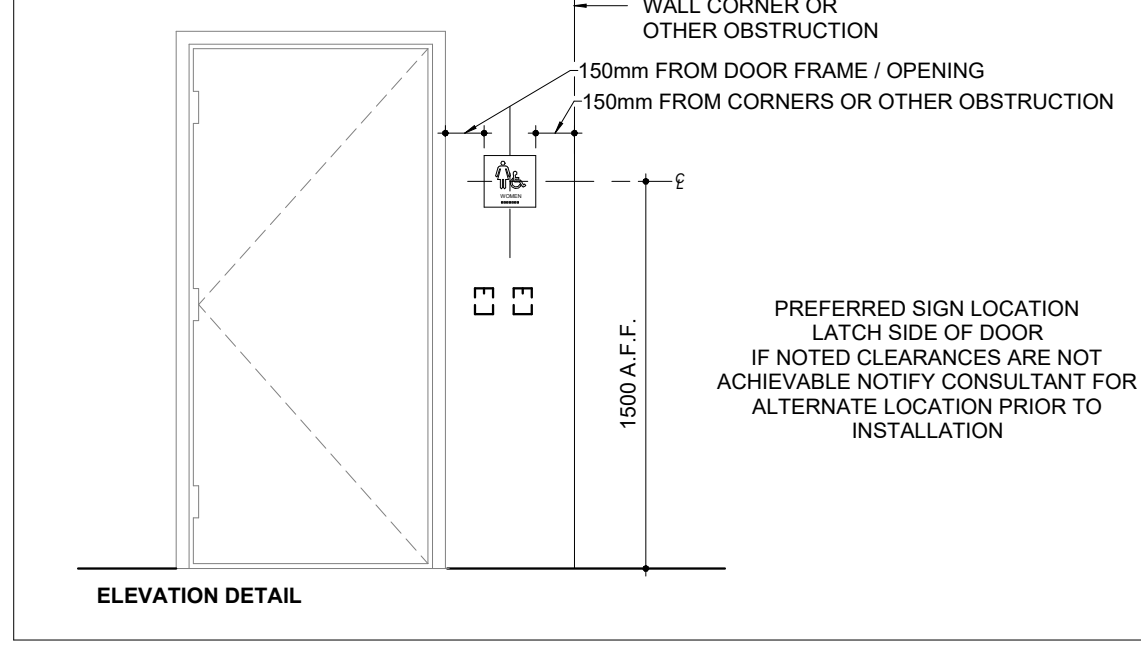
WAYFINDING INTERIOR SIGNAGE

TYPE DANSIGN CURVE
FONT FUTURA MEDIUM & FUTURA HEAVY
COLOR
1. INTERIOR SIGNS SHALL BE BLUE BACKGROUND WITH WHITE TEXT AND GRAPHICS.
2. SURFACE TO HAVE MATTE NON-GLARE FINISH

BRAILLE AND TACTILE LETTERS

- BRAILLE SHALL BE OF "RASTER" METHOD E.G. HOLES DRILLED AND BALL BEARINGS INSERTED SUITABLY ROUNDED FOR EASY READING
- BRAILLING PROCESS USED AND APPLIED ON SIGNAGE SHALL NOT BE SUSCEPTIBLE TO VANDALISM
- BRAILLE SHALL BE INTEGRAL TO SIGN SURFACE/DESIGN
- TACTILE SIGNS SHALL HAVE LETTERING AND GRAPHICS THAT ARE RAISED 0.8MM TO 1.5MM ABOVE THE SURFACE OF THE SIGN
- BRAILLE IS REQUIRED TO BE LOWERCASE, EXCEPT FOR PROPER NOUNS, NAMES AND THE FIRST WORD OF SENTENCES OR INDIVIDUAL LETTERS OF THE ALPHABET
- THE BRAILLE TEXT/CHARACTERS SHALL ALWAYS BE PLACED IN THE SAME RELATIVE POSITION, MOUNTED NEAR THE BOTTOM EDGE OF SIGNAGE. BELOW OTHER TEXT, SYMBOLS OR TACTILE CHARACTERS. IF TEXT IS MULTILINE, BRAILLE SHALL BE PLACED BELOW ENTIRE TEXT
- ENSURE BRAILLE TEXT IS SEPARATED A MINIMUM OF 9.5MM FROM ANY OTHER TACTILE CHARACTERS
- WHERE TACTILE CHARACTERS ARE USED, ENSURE EDGES ARE BEVELED AND SMOOTH

NOTE: IT IS THE RESPONSIBILITY OF THE SIGN SUPPLIER TO VERIFY THAT A BRAILLE PROOFREADER HAS APPROVED FINAL ARTWORK. BRAILLE DOTS SHOWN IN THIS GUIDELINE ARE TO SHOW PLACEMENT ONLY



10-0050 - IS-INTERIOR SIGNS

OFFICE/ROOM SIGNS (CHANGEABLE MESSAGE)

TYPE DANSIGN PAPERFLEX CURVE SIGN WITH A MAGNETIC LOCKING SYSTEM AND TAMPER PROOF PAPER INSERT SYSTEM
MATERIAL LACQUERED ABS WITH EXTRUDED ALUMINUM BRACKETS
MESSAGE VINYL ROOM NUMBER ON HEADER PANEL AND PAPER INSERT WITH ROOM NAME OR OCCUPANT'S NAME

ROOM SIGNS (PERMANENT MESSAGE)

MATERIAL LACQUERED ABS WITH EXTRUDED ALUMINUM BRACKETS
MESSAGE VINYL ROOM NUMBER ON HEADER PANEL AND VINYL ROOM NAME ON BODY PANEL
INSTALLATION MOUNTED AT 1500MM TO CENTRELINER ABOVE THE FINISHED FLOOR AND 150MM AWAY FROM THE DOOR FRAME - LATCH SIDE (SEE ELEVATION DETAIL)

WASHROOM SIGNS

MATERIAL LACQUERED ABS WITH EXTRUDED ALUMINUM BRACKETS
MESSAGE TACTILE TEXT AND PICTOGRAM AND BRAILLE
INSTALLATION MOUNTED AT 1500MM TO CENTRELINER ABOVE THE FINISHED FLOOR AND 150MM AWAY FROM THE DOOR FRAME - LATCH SIDE (SEE ELEVATION DETAIL)

1 GENERAL NOTES - FLOOR FINISHES

- ALL INTERIOR FINISHES SHALL COMPLY WITH THE REQUIREMENTS OF THE BUILDING CODE (LATEST JURISDICTION) THE TERRAZZO, TILE & MARBLE ASSOCIATION OF CANADA (TTMAC) AND AUTHORITIES HAVING PROJECT JURISDICTION.
- REFER TO ROOM FINISH SCHEDULE FOR FLOOR AND BASE FINISHES.
- ALL FLOOR FINISHES TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS AND PROJECT SPECIFICATION.
- FLOOR TILES ARE TO BE INSTALLED IN PATTERNS AS INDICATED.
- WHERE TILES ARE INDICATED TO BE INSTALLED IN A RUNNING BOND PATTERN, INSTALL IN A 1/5 RUNNING BOND PATTERN (20% OVERLAP) TO REDUCE LIPPAGE AS DEFINED BY TTMAC.
- MOVEMENT JOINTS SHALL BE IN ACCORDANCE WITH TTMAC DOCUMENT 301M-J (CURRENT REVISION).
- UNLESS OTHERWISE NOTED, ALL FLOOR FINISHES TO BE INSTALLED PRIOR TO INSTALLATION OF MILLWORK.
- NO SUBSTITUTIONS OF FLOOR FINISHES PERMITTED WITHOUT CONSULTANT WRITTEN APPROVAL.
- CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL FLOOR FINISHES FOR THE DURATION OF THE WORK.
- CONTRACTOR TO PROVIDE PROTECTION OF ALL FINISHED CONCRETE FLOORS USING PREMANUFACTURED CARDBOARD TEMPORARY FLOOR PROTECTION (OR APPROVED EQUIVALENT) FOR THE DURATION OF THE WORK.
- CONTRACTOR TO PROVIDE PROTECTION OF ALL FINISHED TILED FLOORS USING PREMANUFACTURED CARDBOARD TEMPORARY FLOOR PROTECTION (OR APPROVED EQUIVALENT) FOR THE DURATION OF THE WORK.
- CHANGES IN FLOOR FINISH AT DOOR OPENINGS SHALL OCCUR UNDERNEATH THE DOOR (IN THE CLOSED POSITION) UNLESS OTHERWISE NOTED. WHERE THERE IS AN OPENING WITH NO DOOR, CHANGES IN FLOOR FINISH SHALL OCCUR AT THE MIDPOINT OF THE OPENING.
- UNLESS NOTED OTHERWISE, TILE BASES SHALL BE 100MM HIGH MEASURED FROM THE ADJACENT FINISHED FLOOR.
- WHERE A CHANGE OF FLOORING MATERIAL THICKNESS OCCURS, FEATHER FLOOR AS REQUIRED.

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FILE NO. SP.22.V.0191

CITY OF VAUGHAN
FIRE STATION 7-12
9511 WESTON ROAD, VAUGHAN



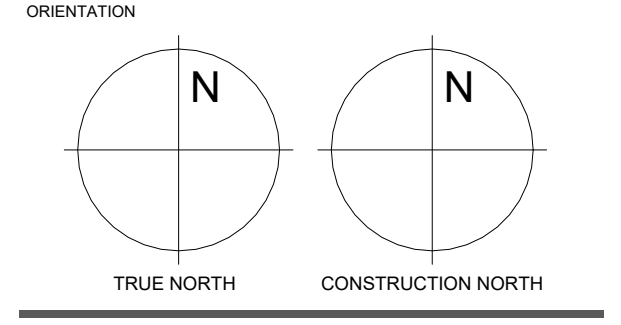
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ARCHITECT THOMASBROWNARCHITECTS

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PROFESSIONAL SEAL

FLOOR FINISH AND FURNITURE PLAN



DATE 2021-11-24

SCALE As indicated DRAWN BY SRL

TENDER

PROJECT No. 2104

DRAWING No. A10.1 REVISION 26

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CITY OF VAUGHAN FIRE STATION 7-12

9511 WESTON ROAD, VAUGHAN



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ARCHITECT
THOMASBROWNARCHITECTS
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PROFESSIONAL SEAL

FLOOR PLAN FINISH PLAN AND DETAILS

ORIENTATION

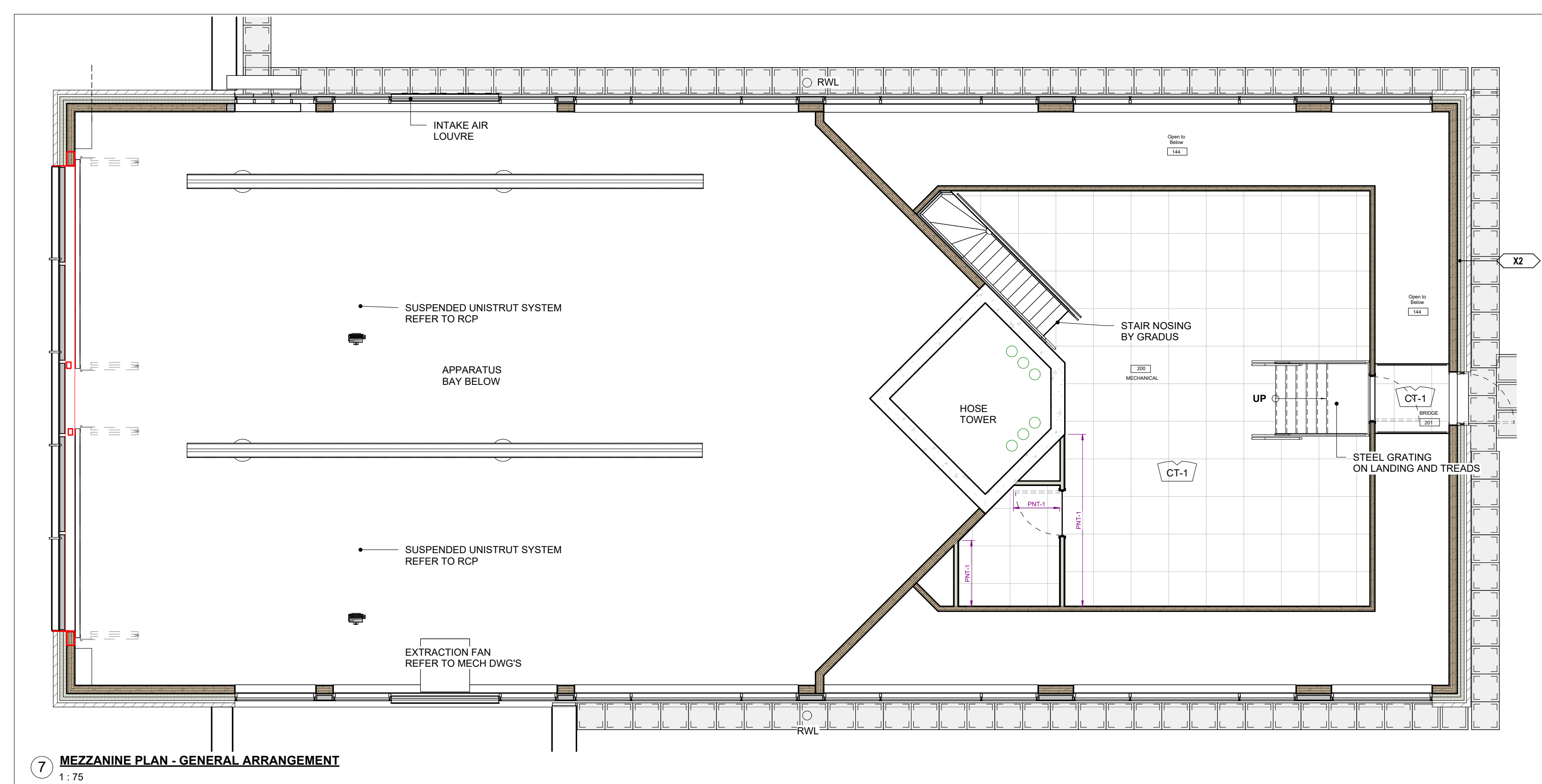
DATE 2021-11-24

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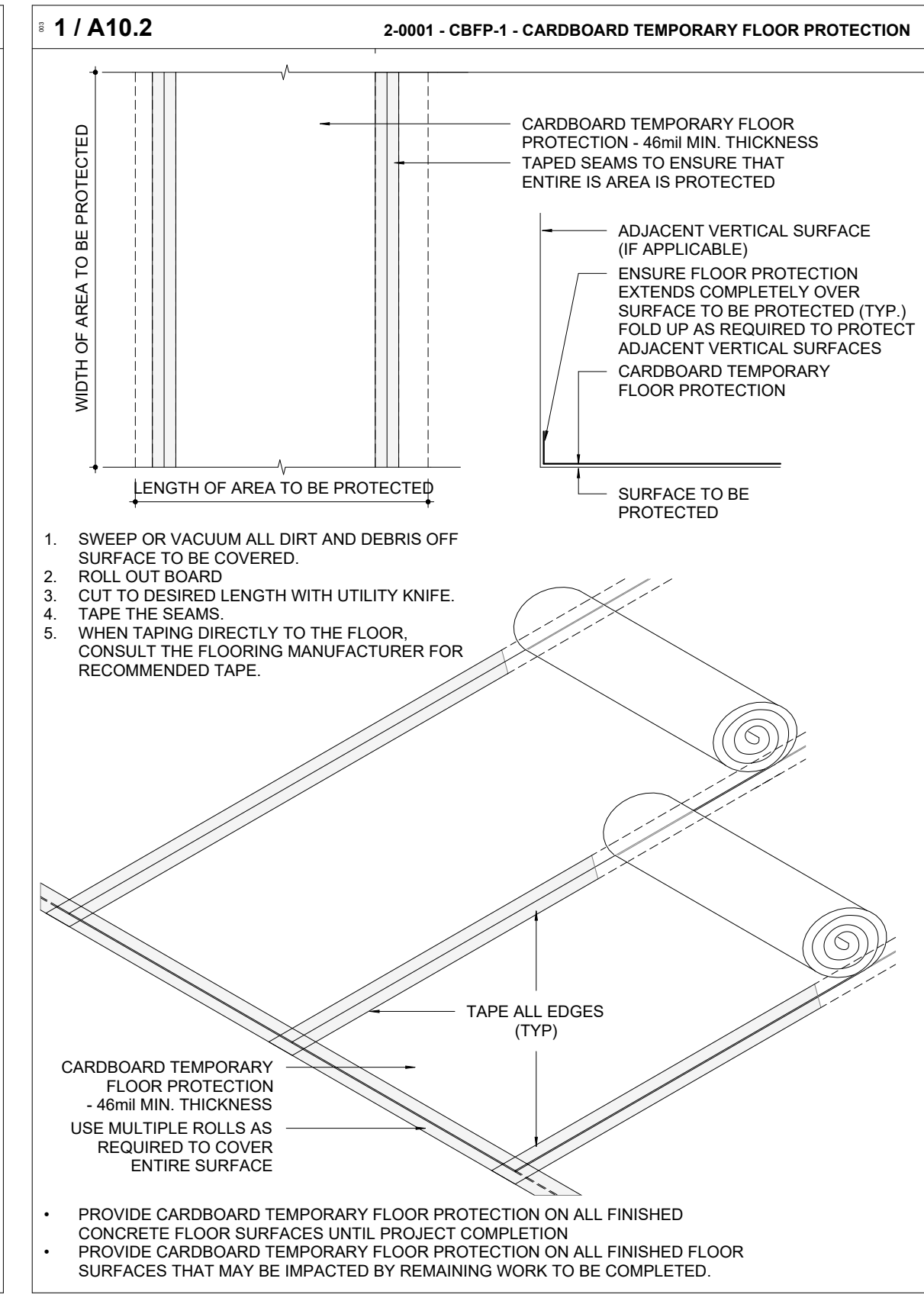
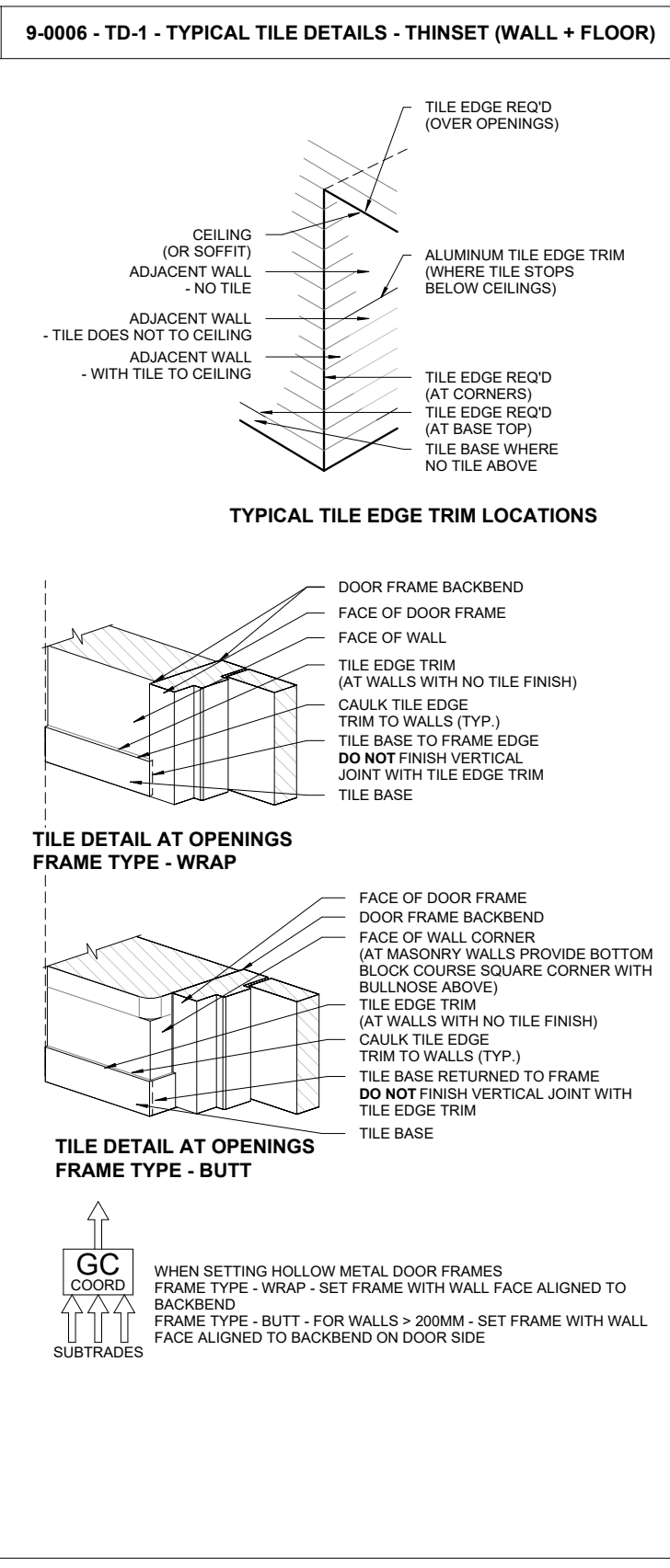
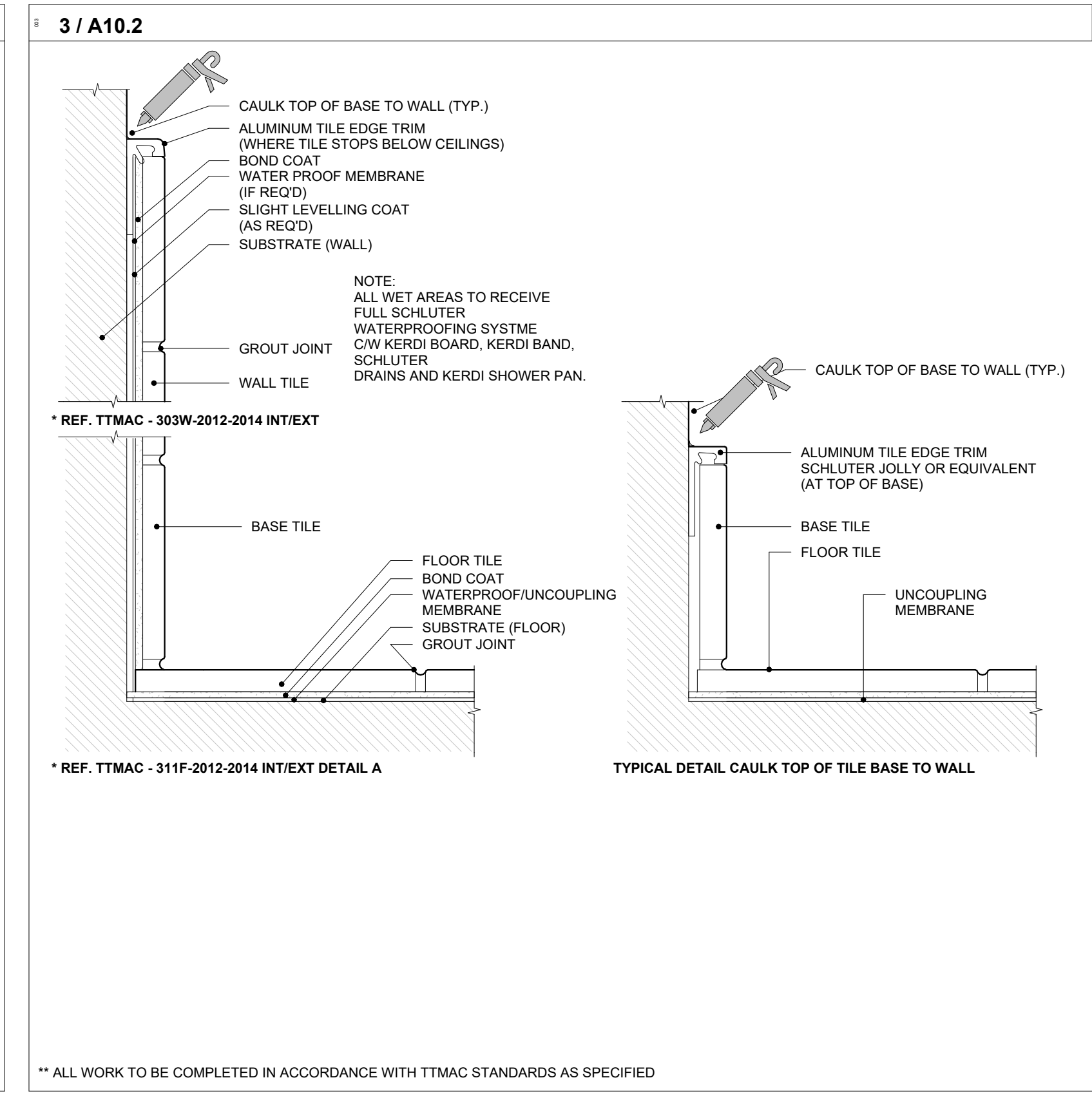
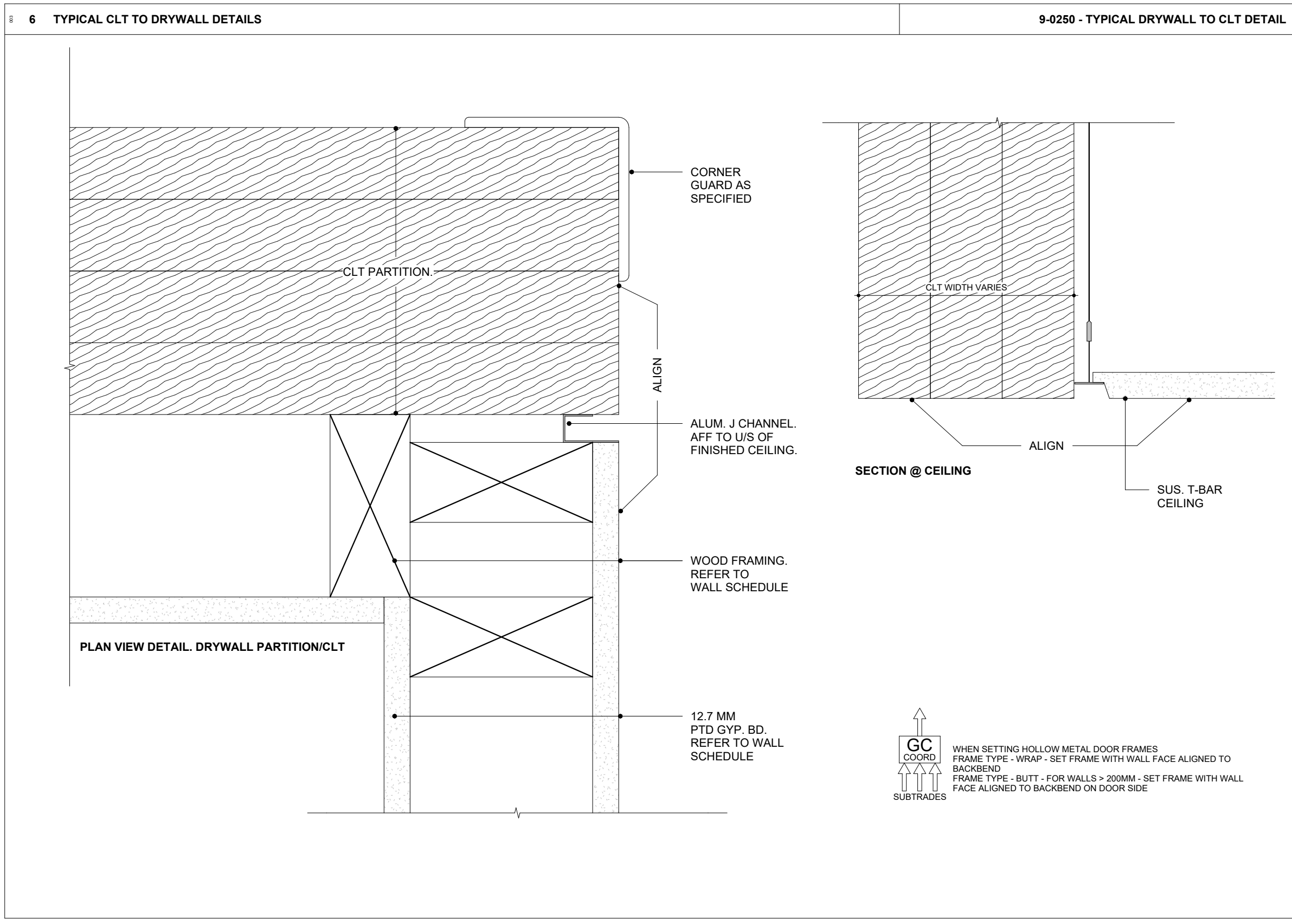
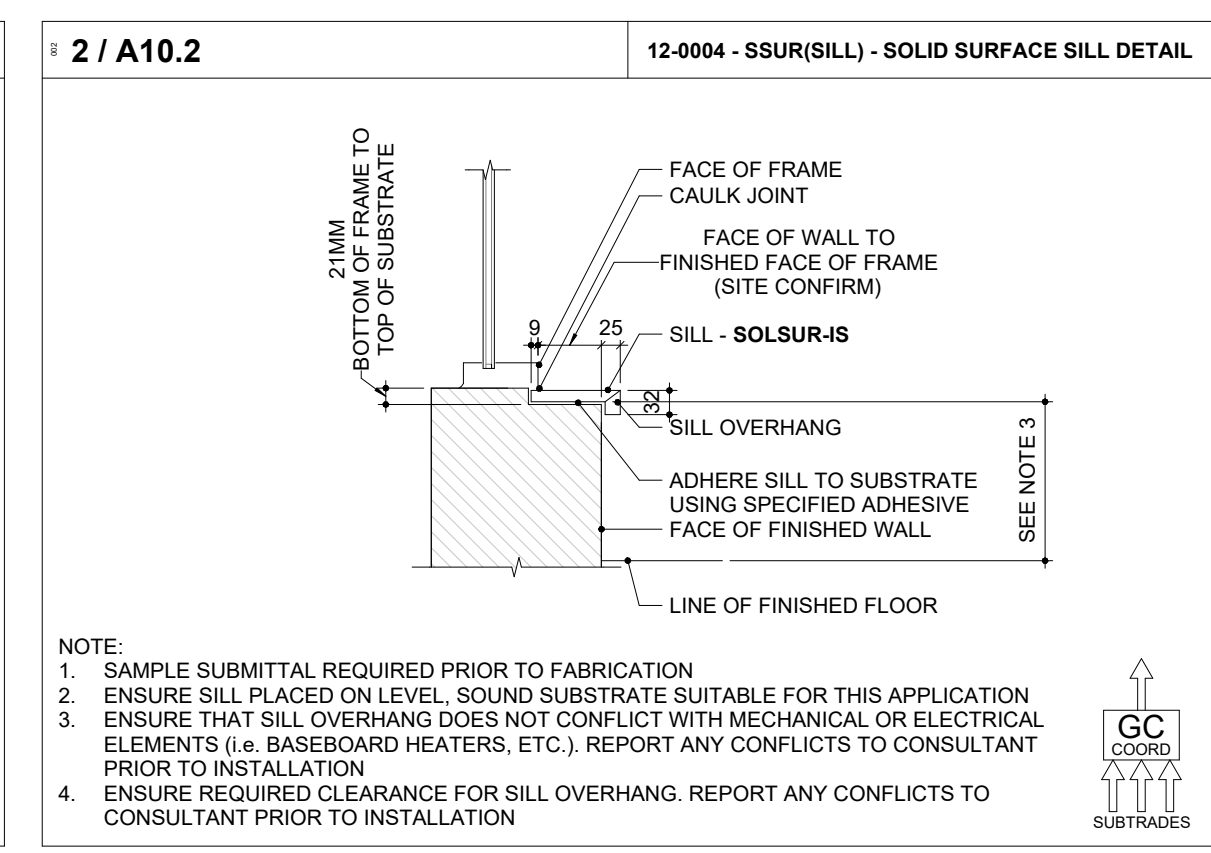
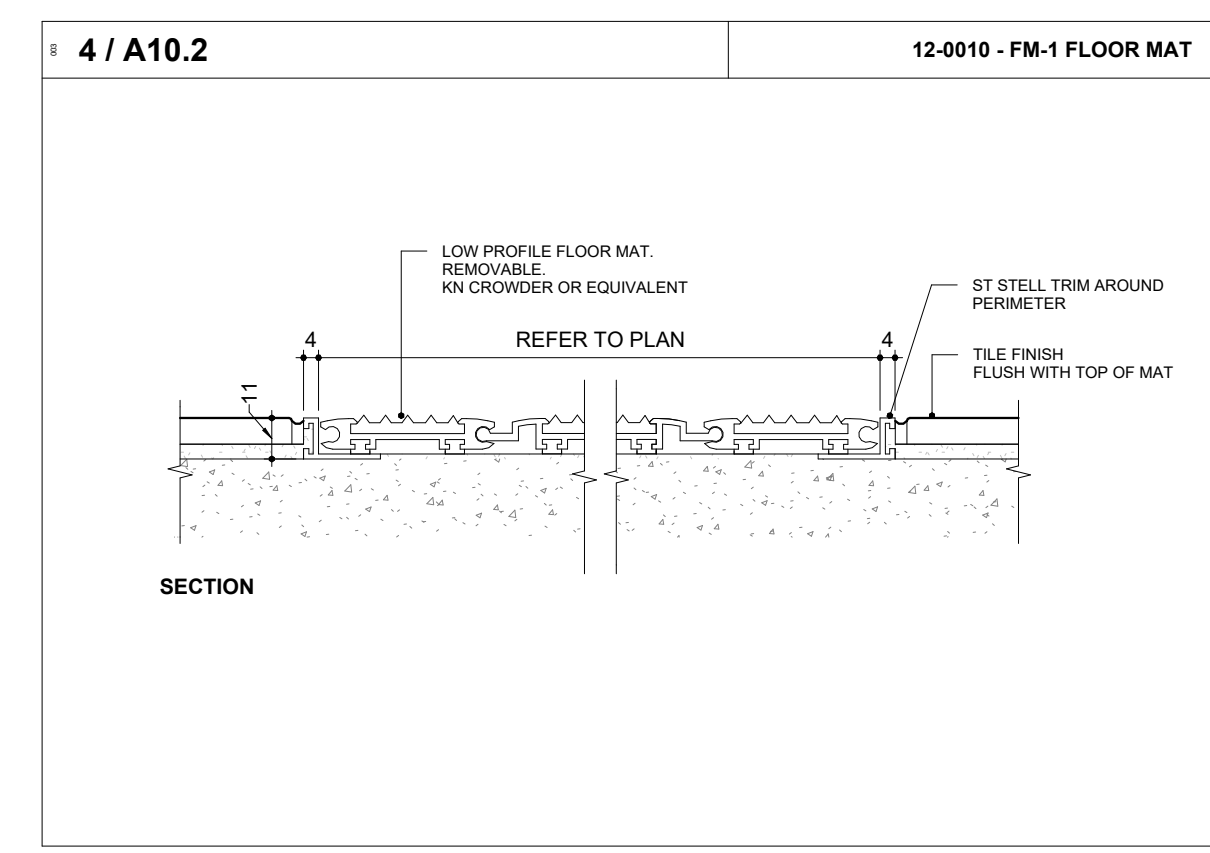
DWG STATUS: TENDER

PROJECT No. 2104

DRAWING No. **A10.2** REVISION 26



7 MEZZANINE PLAN - GENERAL ARRANGEMENT
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2024-04-19 10:50:11 AM

NO.	ISSUE OR REVISION	DATE
17	ISSUED FOR SPA - REVISION	2023-08-30
18	ISSUED FOR PERMIT	2023-09-15
19	ISSUED FOR RFPQ	2023-10-19
24	ISSUED FOR CLASS A	2024-02-16
26	T24-253 - FFT	2024-04-15



FILE NO. SP.22.V.0191

CITY OF VAUGHAN FIRE STATION 7-12

9511 WESTON ROAD, VAUGHAN

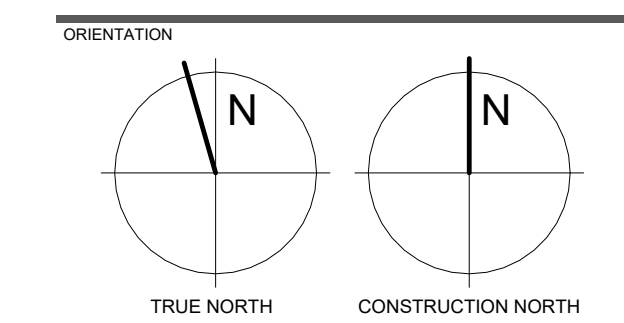


CLIENT: THOMAS BROWN ARCHITECTS
197 SPADINA AVENUE, SUITE 500 | TORONTO ONTARIO | M5T 2C8

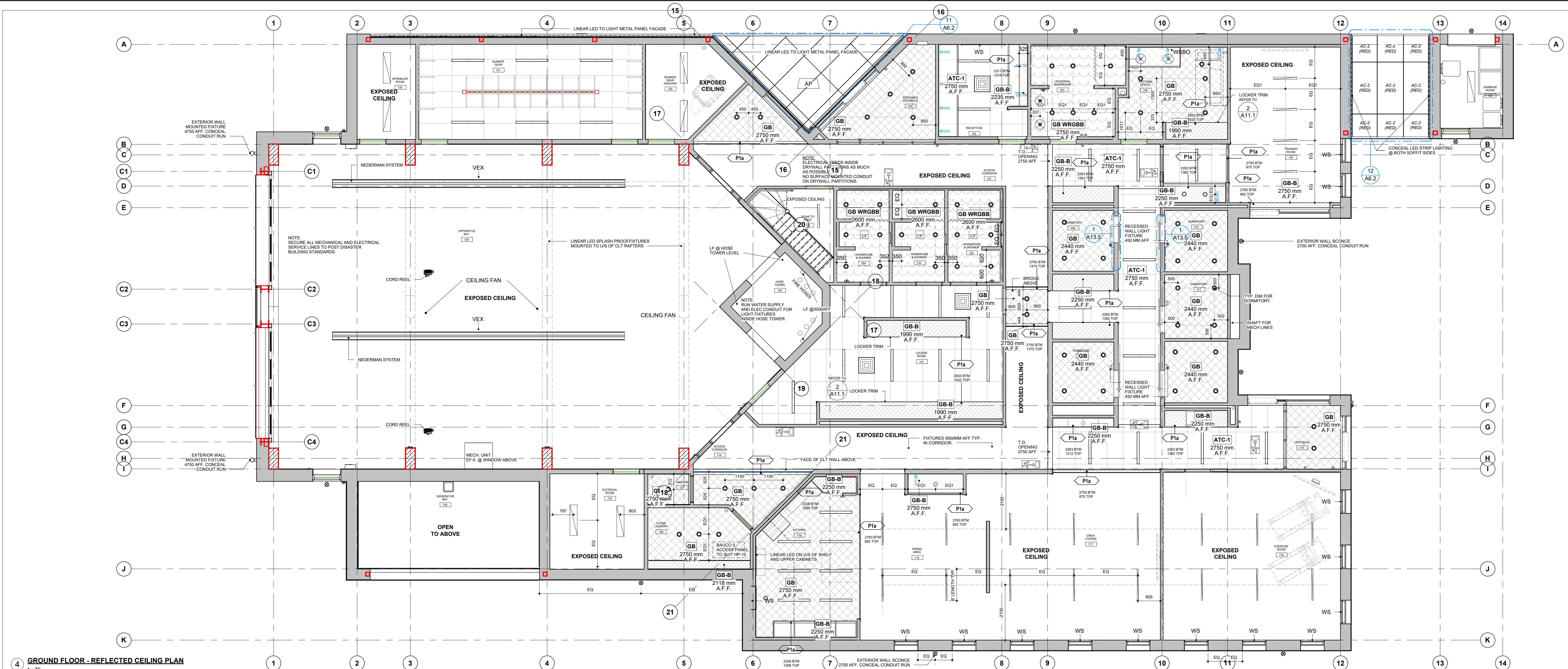
ARCHITECT: THOMAS BROWN ARCHITECTS

PROFESSIONAL SEAL

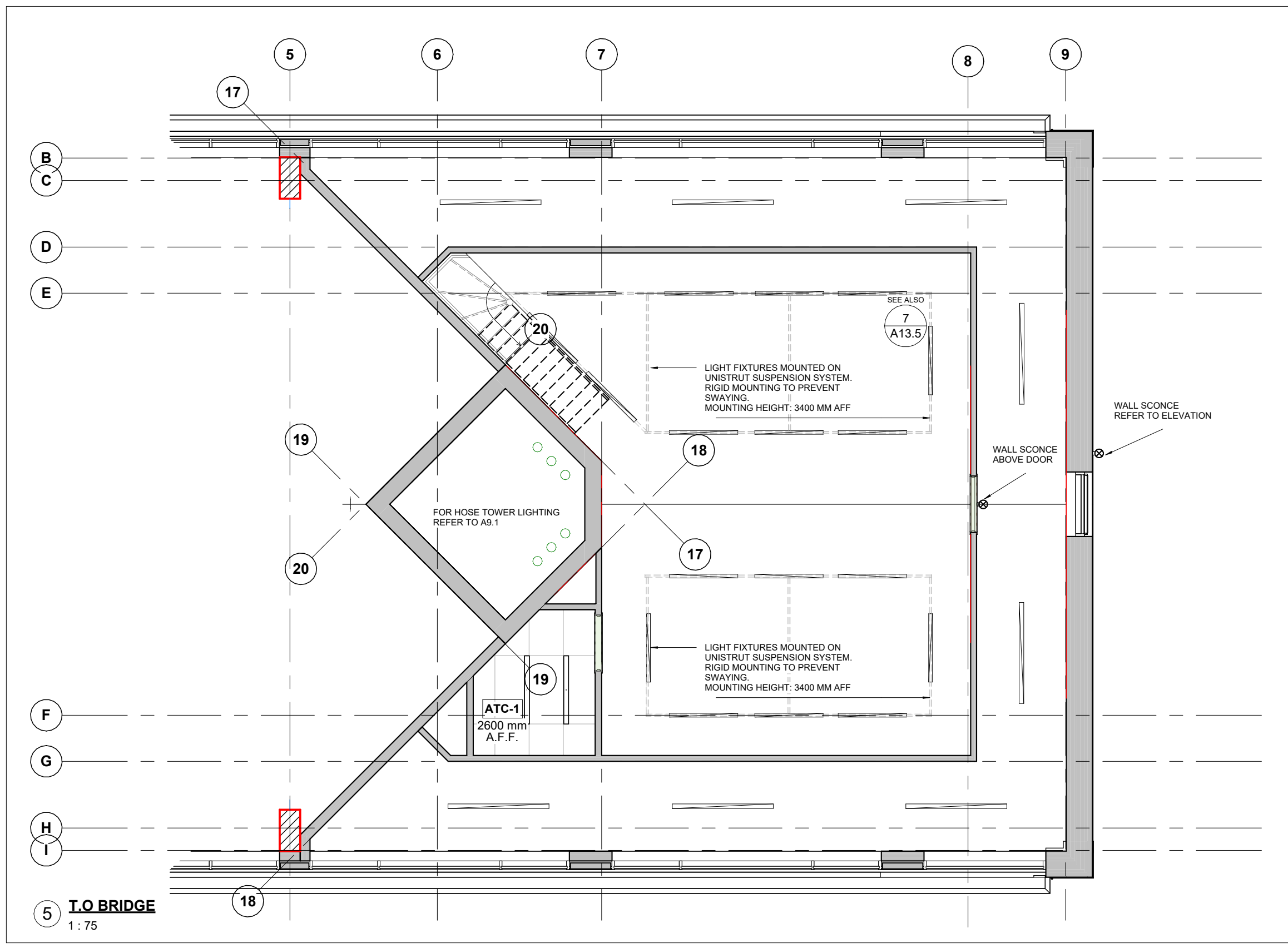
REFLECTED CEILING PLAN



DATE	2021-11-24
SCALE	As indicated
DRAWN BY	SRL
DWG STATUS	TENDER
PROJECT No.	2104
DRAWING No.	A11.1
REVISION	26

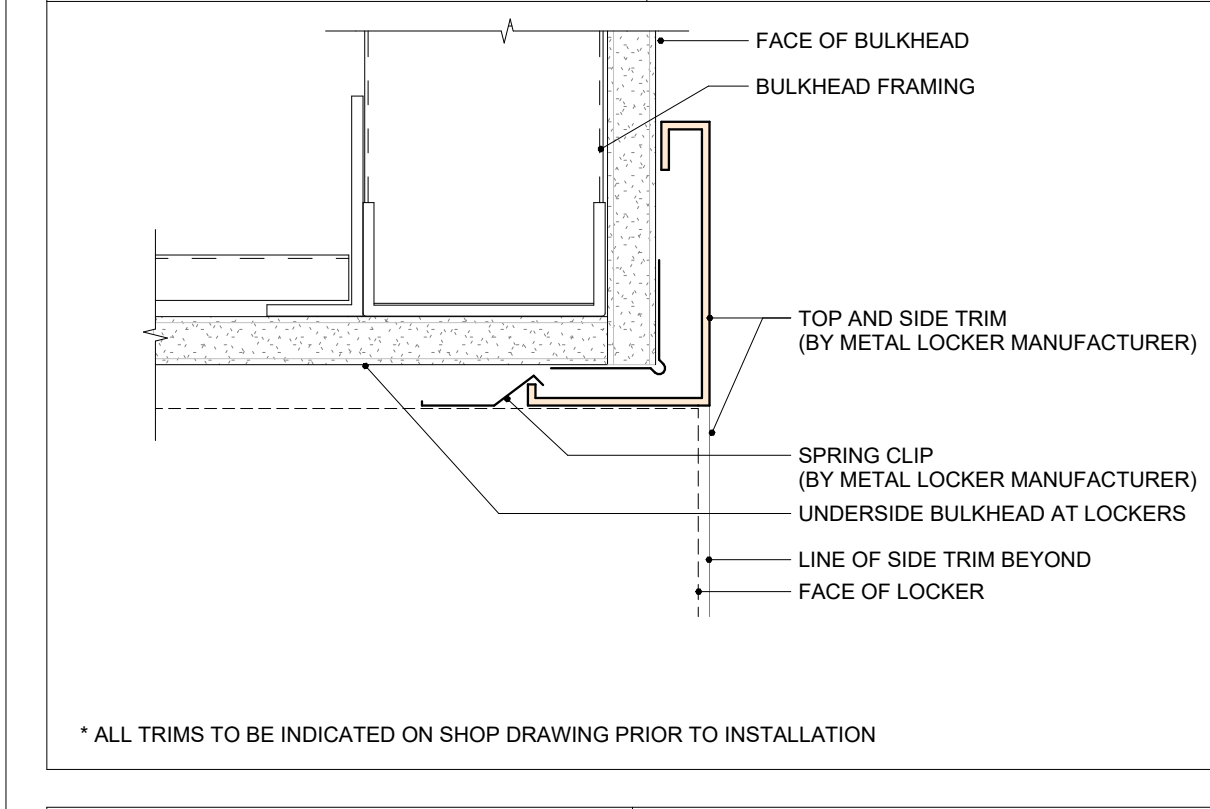


4 GROUND FLOOR - REFLECTED CEILING PLAN
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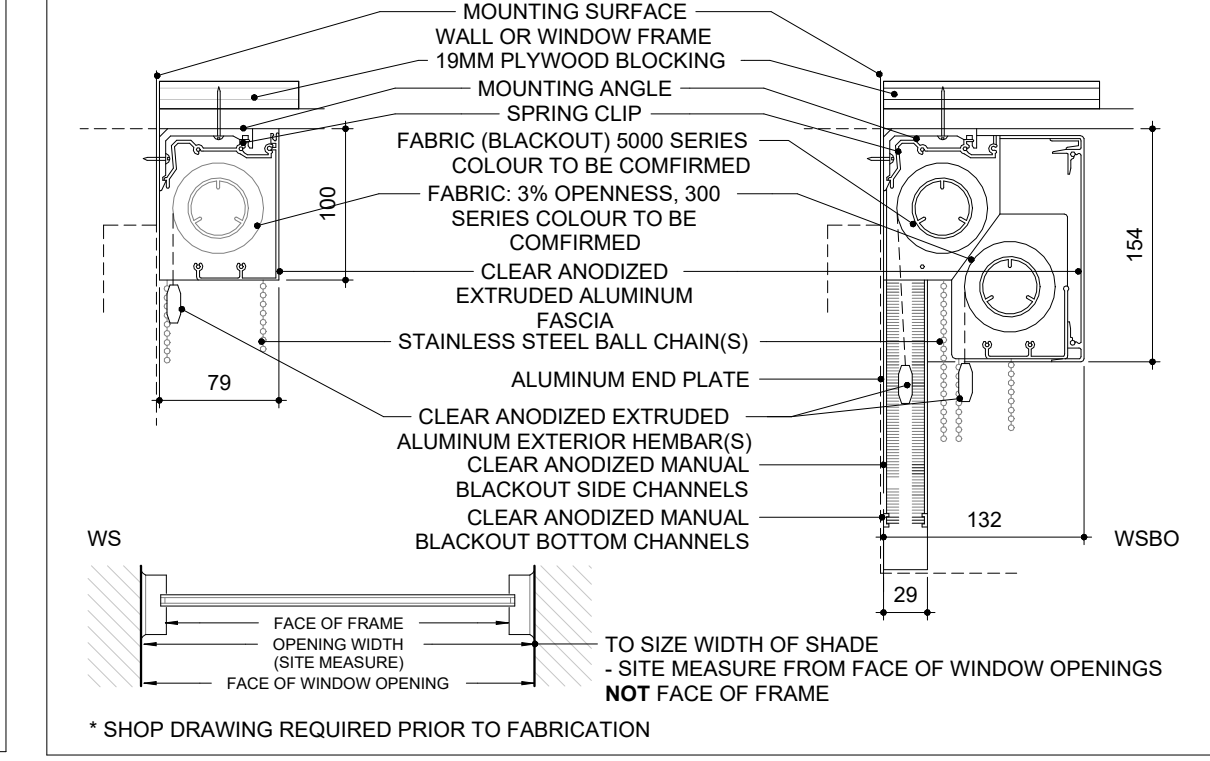
5 T.O. BRIDGE
1:75

2 LOCKER TRIM (WOOD FASCIA) 10-0012.1 - LKTR-1 LOCKER TRIM (METAL FASCIA)



* ALL TRIMS TO BE INDICATED ON SHOP DRAWING PRIOR TO INSTALLATION

3 WINDOW SHADES 12-0001 - WS-1 WINDOW SHADES



* SHOP DRAWING REQUIRED PRIOR TO FABRICATION

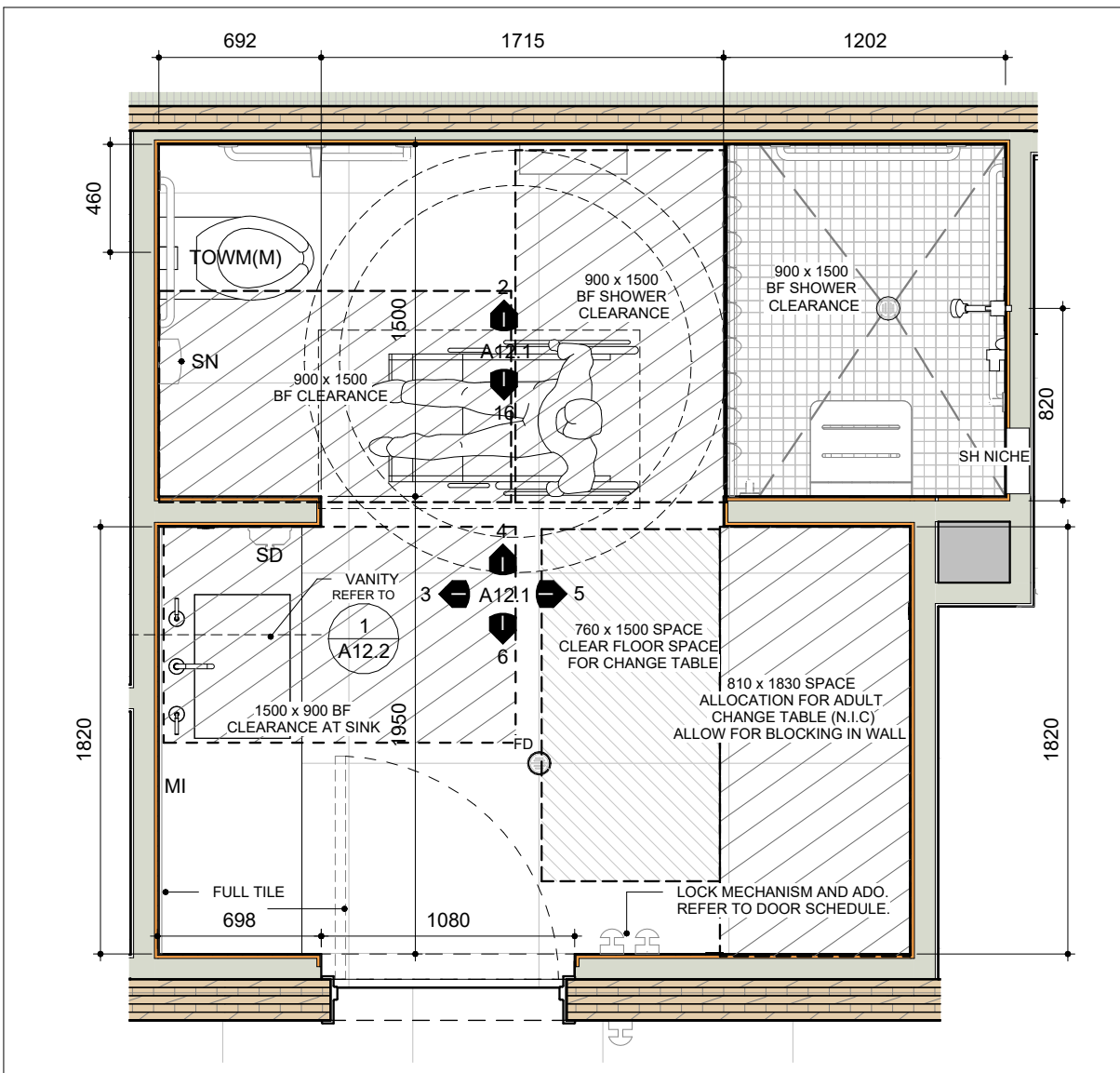
1 GENERAL NOTES - REFLECTED CEILING A700 GENERAL NOTES - REFLECTED CEILING PLAN

- REFLECTED CEILING PLANS MAY NOT SHOW ALL MECHANICAL AND ELECTRICAL FIXTURES OR EQUIPMENT. ARCHITECTURAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH MECHANICAL AND ELECTRICAL DRAWINGS.
- PRIOR TO COMMENCING WORK**, CONDUCT INTERFERENCE STUDY. THE OBJECTIVE OF THE STUDY IS TO IDENTIFY AND MITIGATE ISSUES WITH THE INSTALLATION OF MECHANICAL AND ELECTRICAL SYSTEMS, FIXTURES AND EQUIPMENT. AS PART OF THE STUDY, INCLUDE THE FOLLOWING:
 - MARK LOCATIONS AND ROUTES ON SITE OF ALL EQUIPMENT, PIPING, VENTS, DUCTS, CONDENSATES ETC. CONTRACTOR TO ESTABLISH MINIMUM CLEARANCES AND REPORT ANY INTERFERENCES WITH LIGHT FIXTURES, CONDUIT OR WIRE RUNS, STRUCTURE ETC.
 - MARK LOCATIONS ON SITE OF ALL LIGHTING. CONTRACTOR TO ESTABLISH MINIMUM CLEARANCES AND REPORT ANY INTERFERENCES WITH DUCTS, PIPES, STRUCTURE ETC.
 - LOCATE ALL FIXTURES IN ACCORDANCE WITH ARCHITECTURAL DRAWINGS.
 - IDENTIFY ALL SERVICES INSTALLED WITHIN OR ABOVE CEILING SYSTEMS. COORDINATE ALL PENETRATIONS AND ACCESS PANELS WITH THE CEILING SUPPORT SYSTEMS.
 - REPORT ANY DISCREPANCIES OR INTERFERENCES TO CONSULTANT IMMEDIATELY. OBTAIN INSTRUCTION FROM CONSULTANT BEFORE COMMENCING INSTALLATION.
 - PROVIDE CONFIRMATION THAT INTERFERENCE STUDY HAS BEEN CONDUCTED AND THAT INTERFERENCES HAVE BEEN IDENTIFIED AND MITIGATED.
 - REFER TO ROOM FINISH SCHEDULE FOR CEILING FINISHES.
 - WHERE INDICATED, DIMENSIONS ARE TAKEN FROM CENTER OF LIGHT FIXTURES.
 - WHERE INDICATED, CEILING NOTED AS EXPOSED SHALL BE PAINTED.
 - FIRE SEPARATIONS ARE TO THE UNDERSIDE (US) OF THE DECK OR STRUCTURE COMPLETE WITH FIRESTOP SYSTEM MATERIAL AND SMOKE SEAL AS REQUIRED.
 - REFER TO TOP OF WALL DETAILS FOR TERMINATION OF WALLS AT FLOORS AND ROOFS.
 - WHERE MECHANICAL AND ELECTRICAL FIXTURES PENETRATE A PARTITION, PATCH AND PROVIDE AN AIR-TIGHT SEAL AROUND PENETRATION. AT FIRE SEPARATIONS USE FIRESTOP SYSTEM MATERIAL AT PENETRATIONS TO MATCH THE FIRE RATING OF THE PARTITION, WALL OR FLOOR ASSEMBLY. LOCATE SPRINKLERS, DETECTORS, SPEAKERS, ETC. ON CENTER LINE OR MID-POINT OF LAY-IN CEILING PANELS UNLESS OTHERWISE NOTED.
 - FOR EQUIPMENT THAT REQUIRES ACCESS THROUGH CEILINGS, LOCATE ABOVE ATC CEILINGS WHERE POSSIBLE. WHERE ACCESS IS REQUIRED THROUGH GYPSUM BOARD CEILINGS, CONTRACTOR TO PROVIDE ACCESS PANELS AS REQUIRED. CONSULTANT TO REVIEW LOCATIONS PRIOR TO PROCEEDING WITH INSTALLATION.
 - ACCESS PANELS SHALL BE PREFABRICATED AND SIZED ACCORDING TO ACCESS REQUIREMENTS, FINISH FLUSH WITH ADJACENT CEILING AND TO MATCH ADJACENT CEILING FINISH.
 - UNLESS OTHERWISE NOTED, LOCATE LIGHT FIXTURES ON CENTER OF ACOUSTIC CEILING TILES.
 - REFER TO ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR FIRE EXIT SIGNS, EMERGENCY LIGHTING AND OTHER LIFE SAFETY DEVICES (i.e. HEAT DETECTORS, SMOKE DETECTORS ETC).
 - WHERE REQUIRED, PATCH, PAINT OR REPLACE ANY DAMAGED T-BAR AND REPLACE ANY DAMAGED OR SOILED CEILING TILES NOTED PRIOR TO OCCUPANCY.

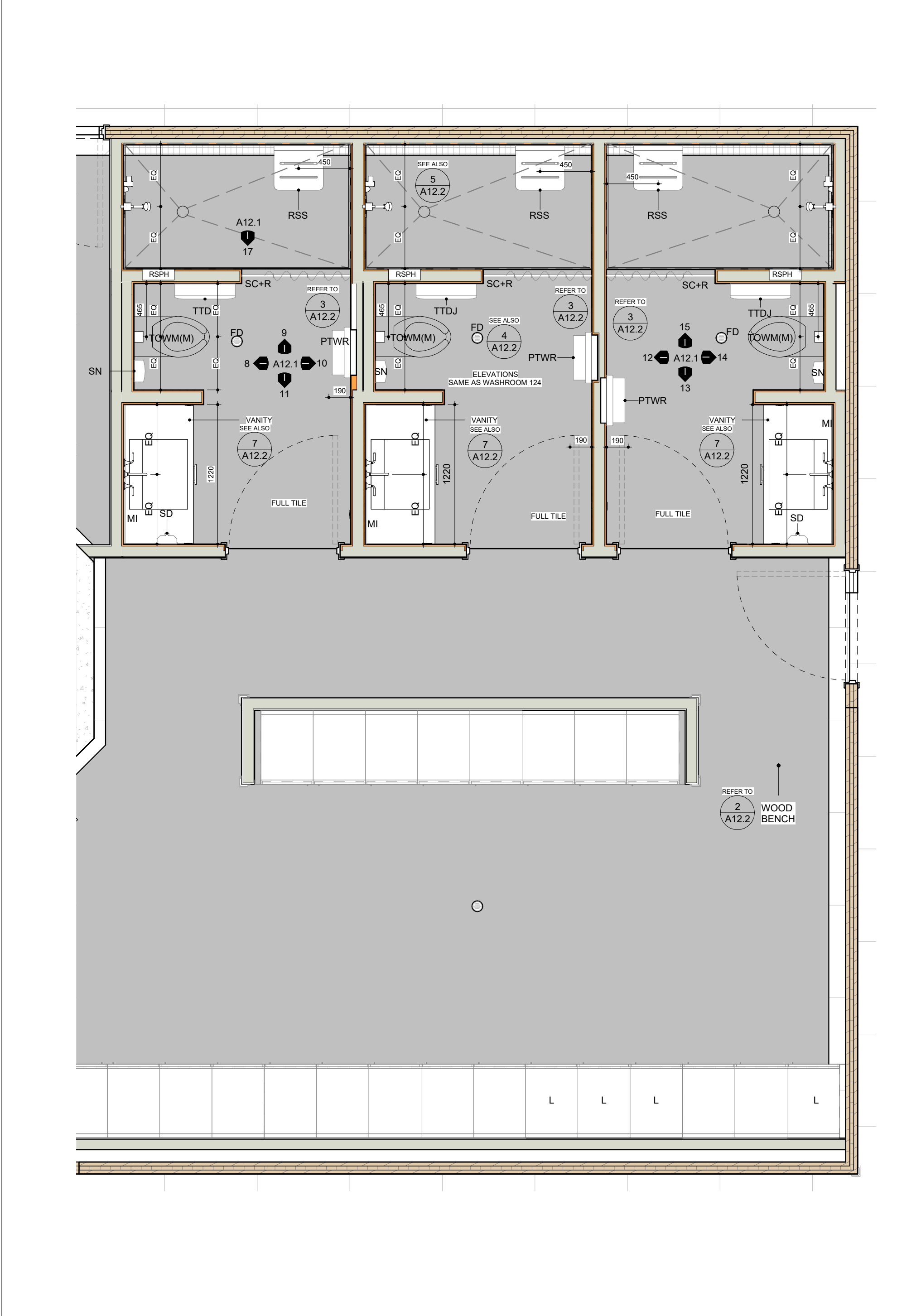
LEGEND

GB	GYPSUM BOARD
GB-B	GYPSUM BOARD - BULKHEAD
GB-WR/GBB	WATER RESISTANT GYPSUM BACKING BOARD
ATC	ACOUSTICAL TILE CEILING SYSTEM
EXP	EXPOSED CEILING

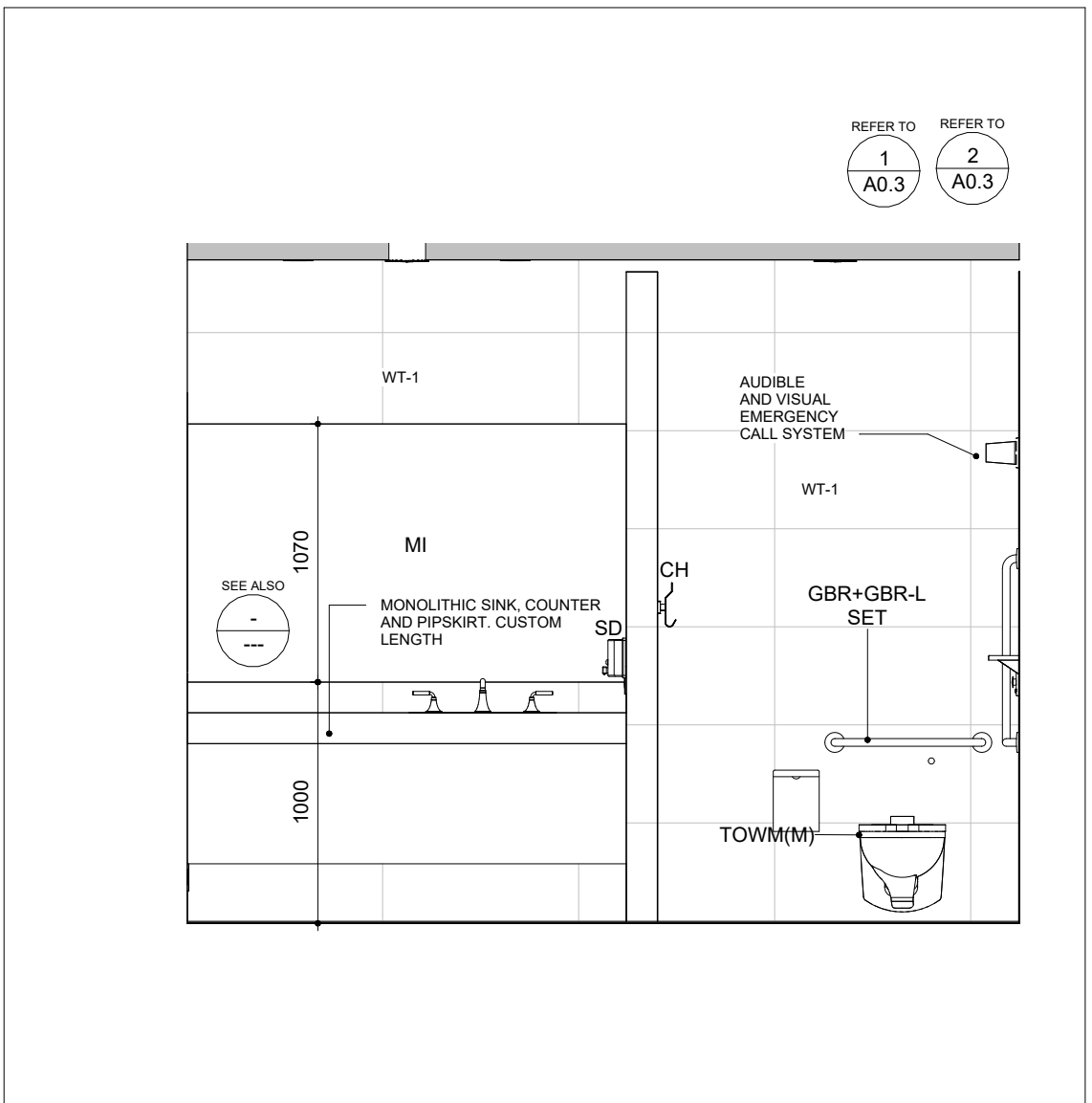
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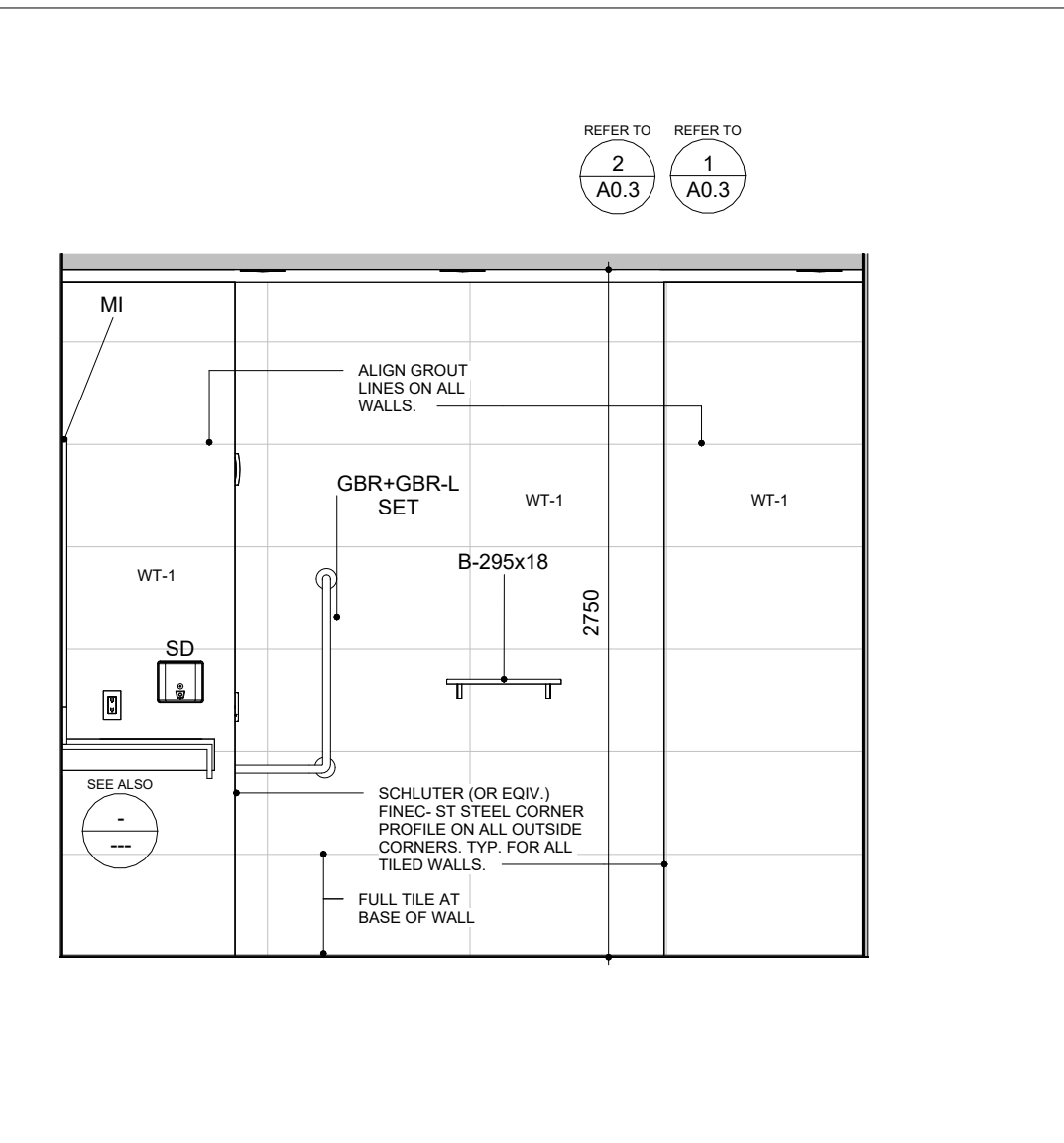
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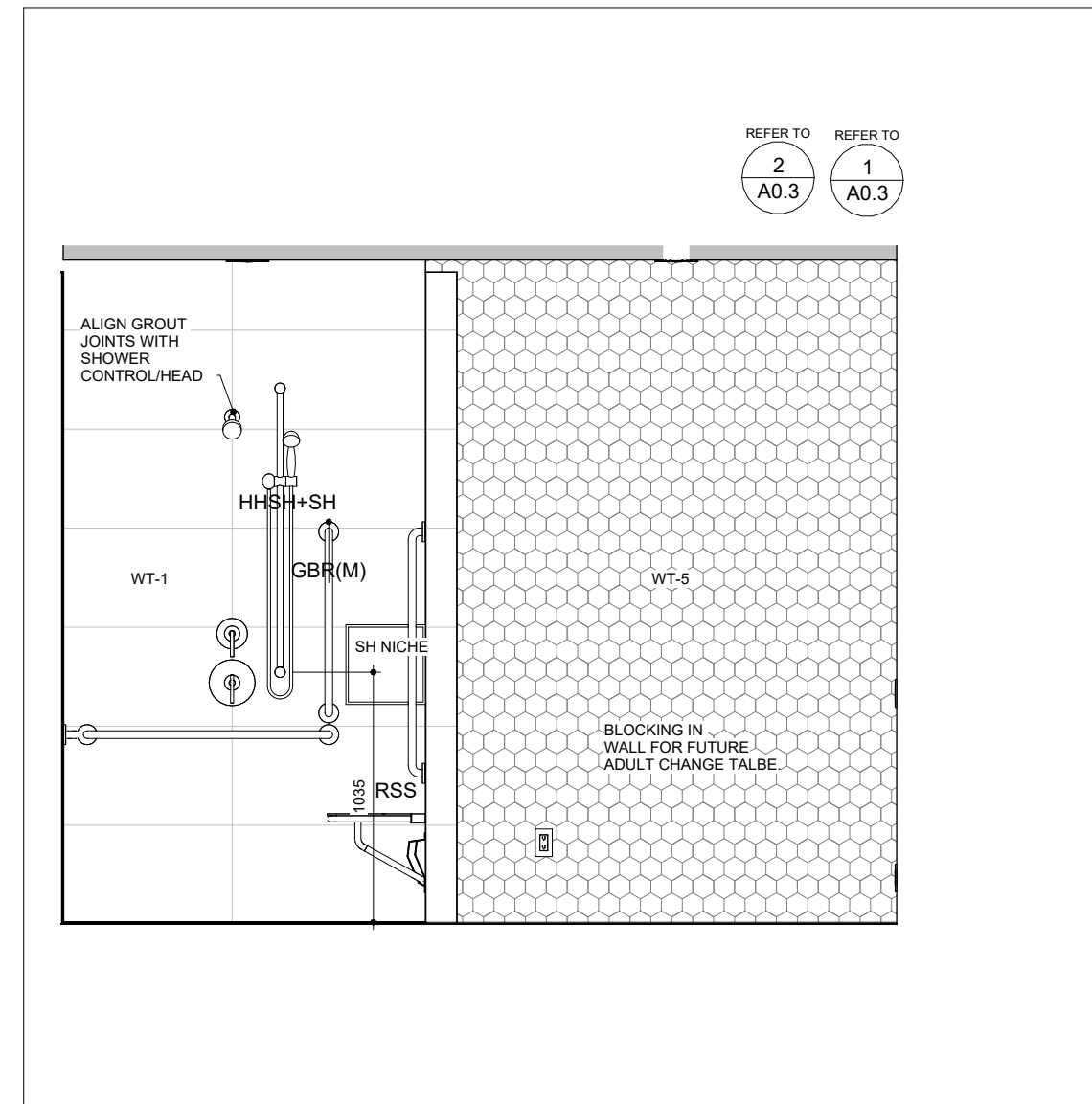
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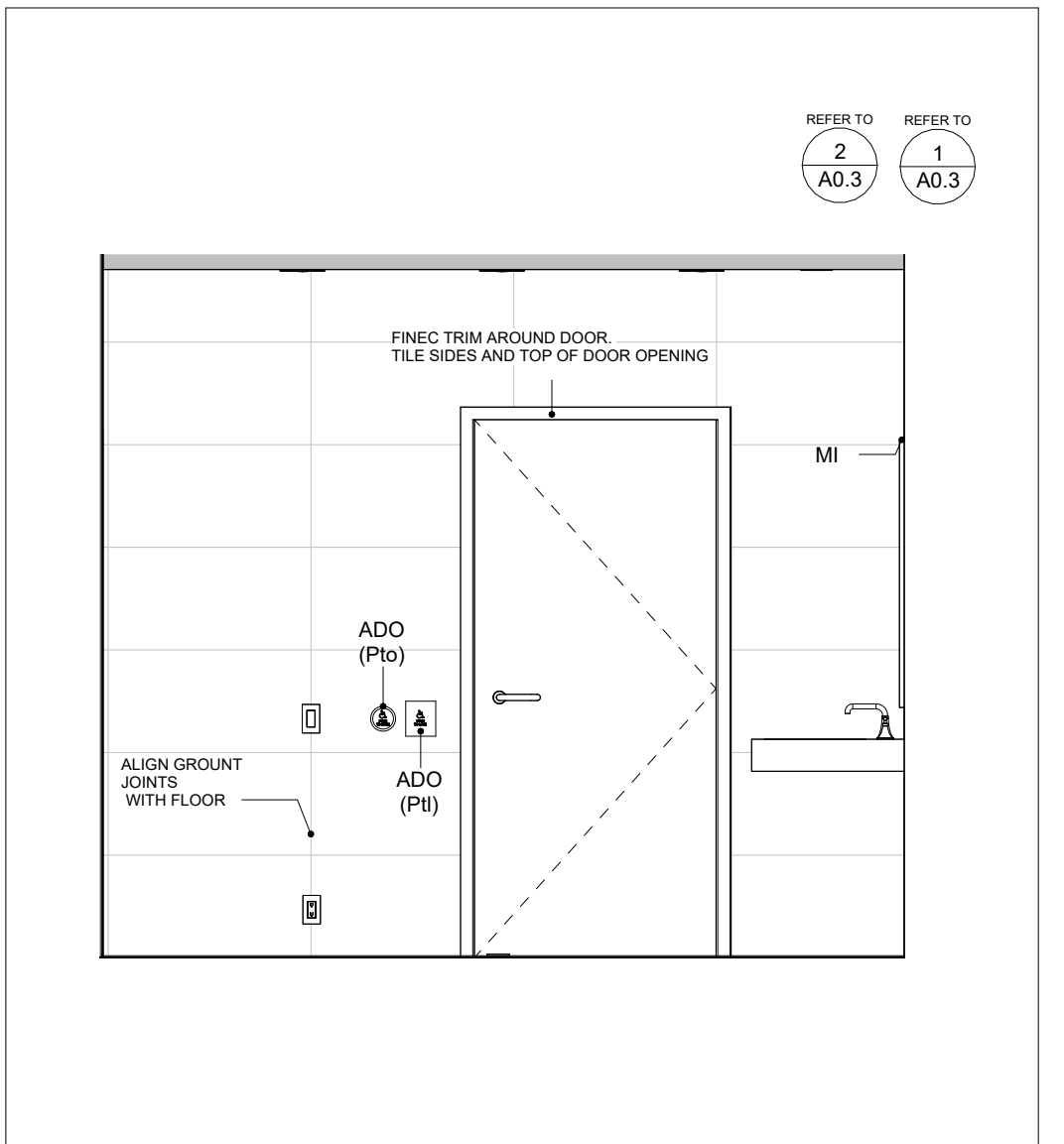
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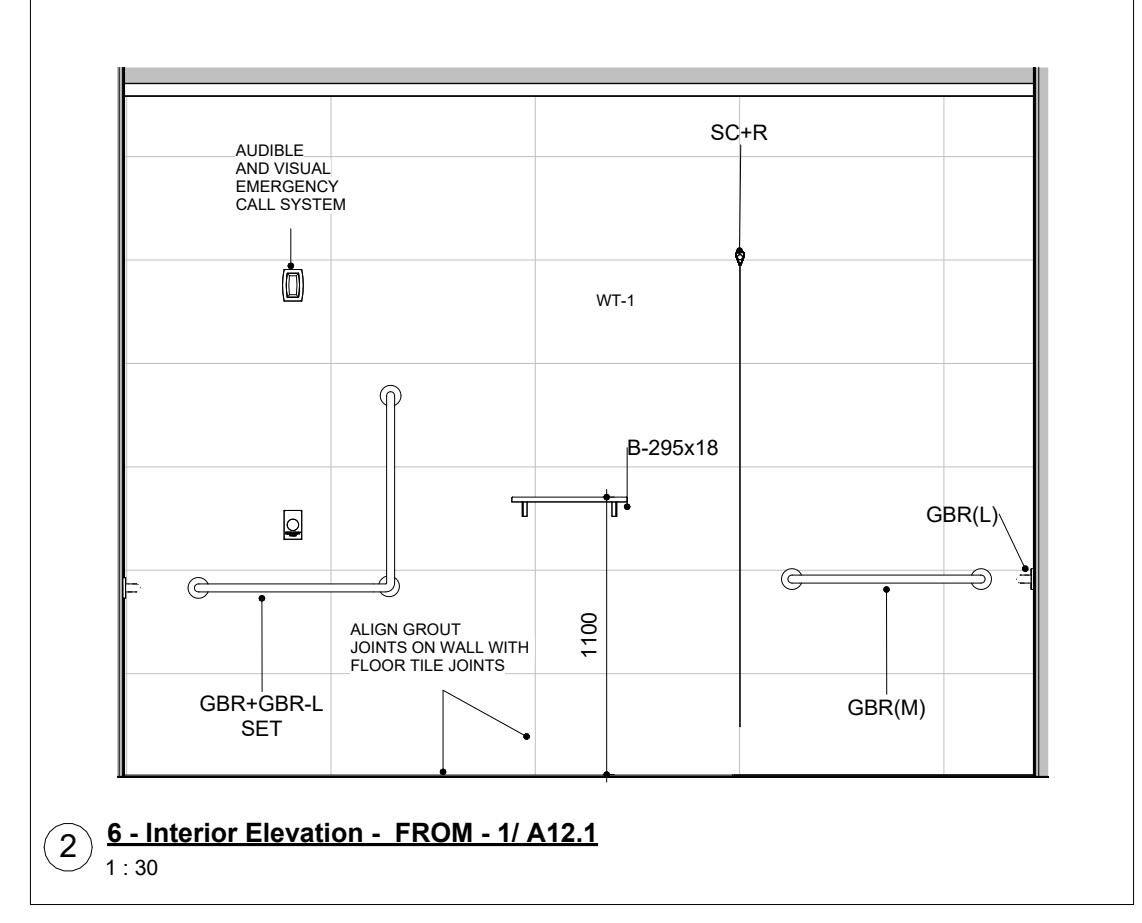
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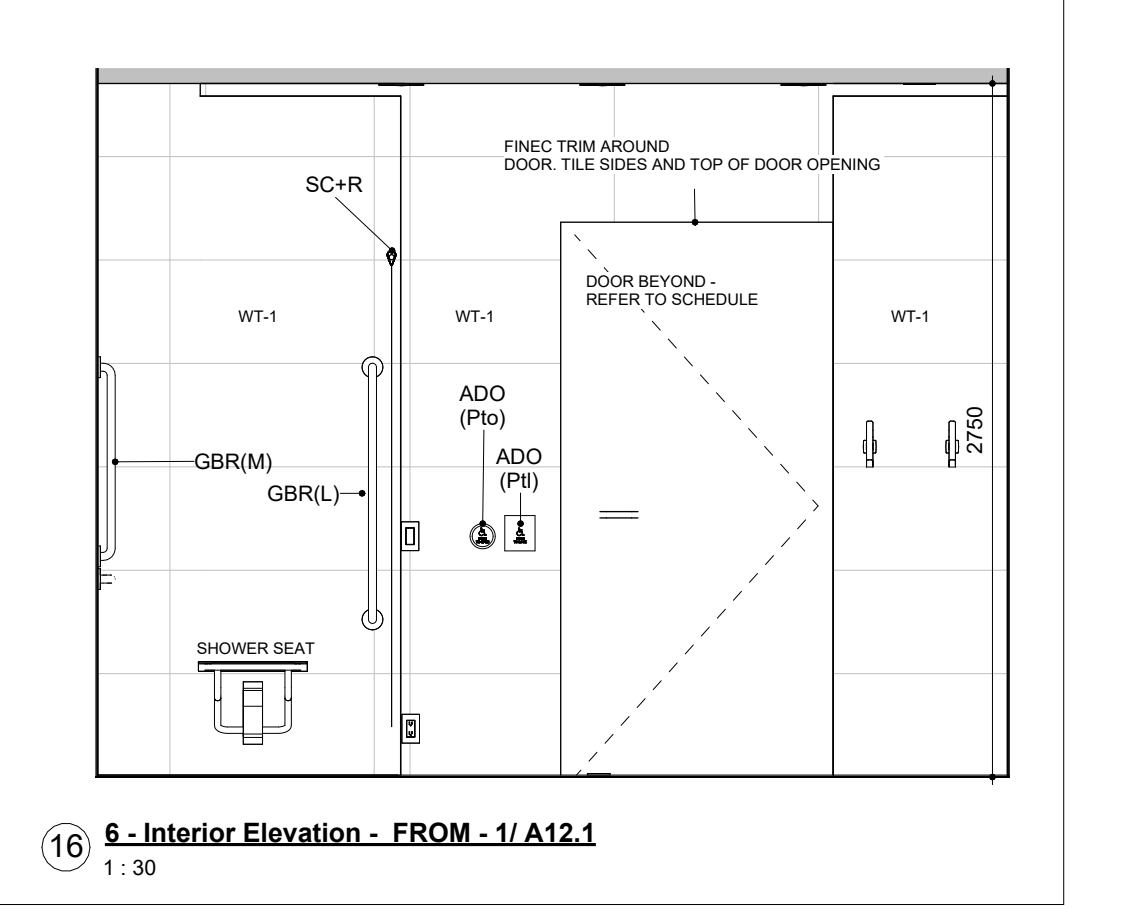
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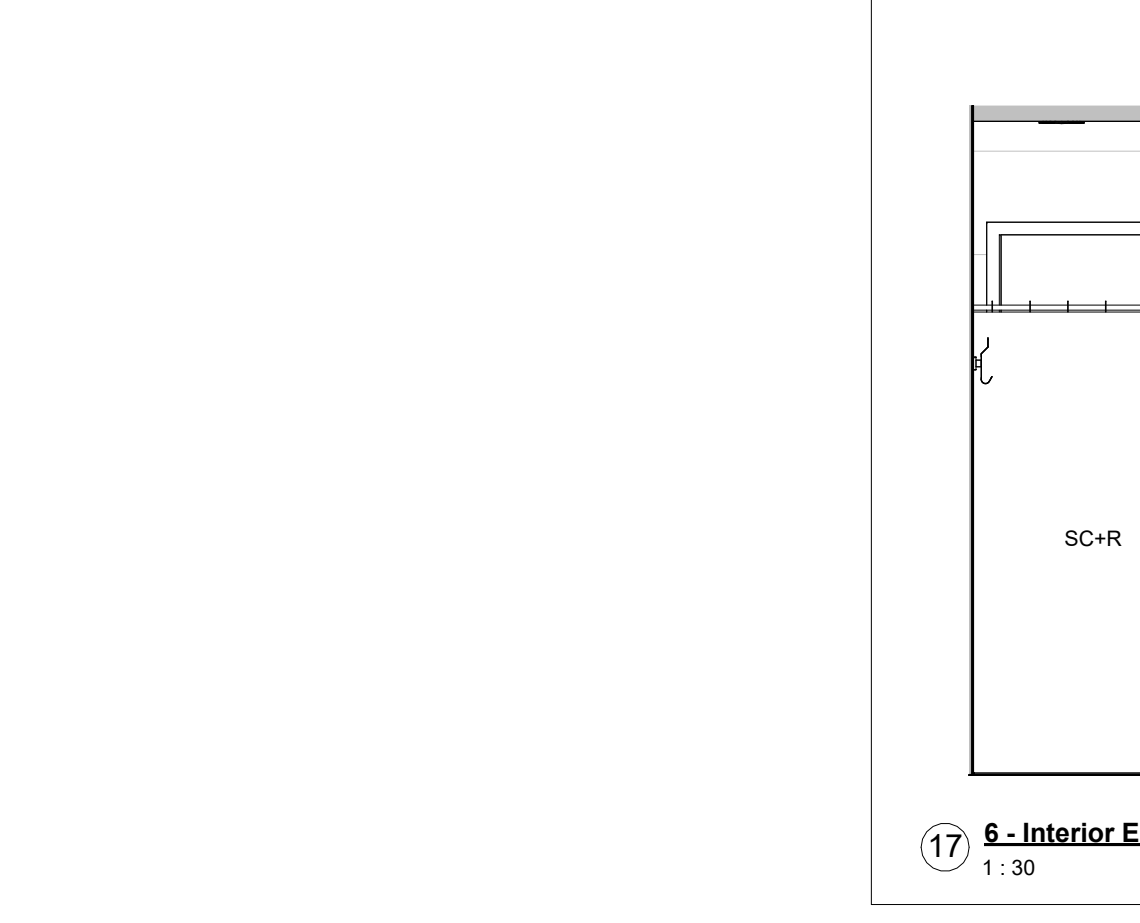
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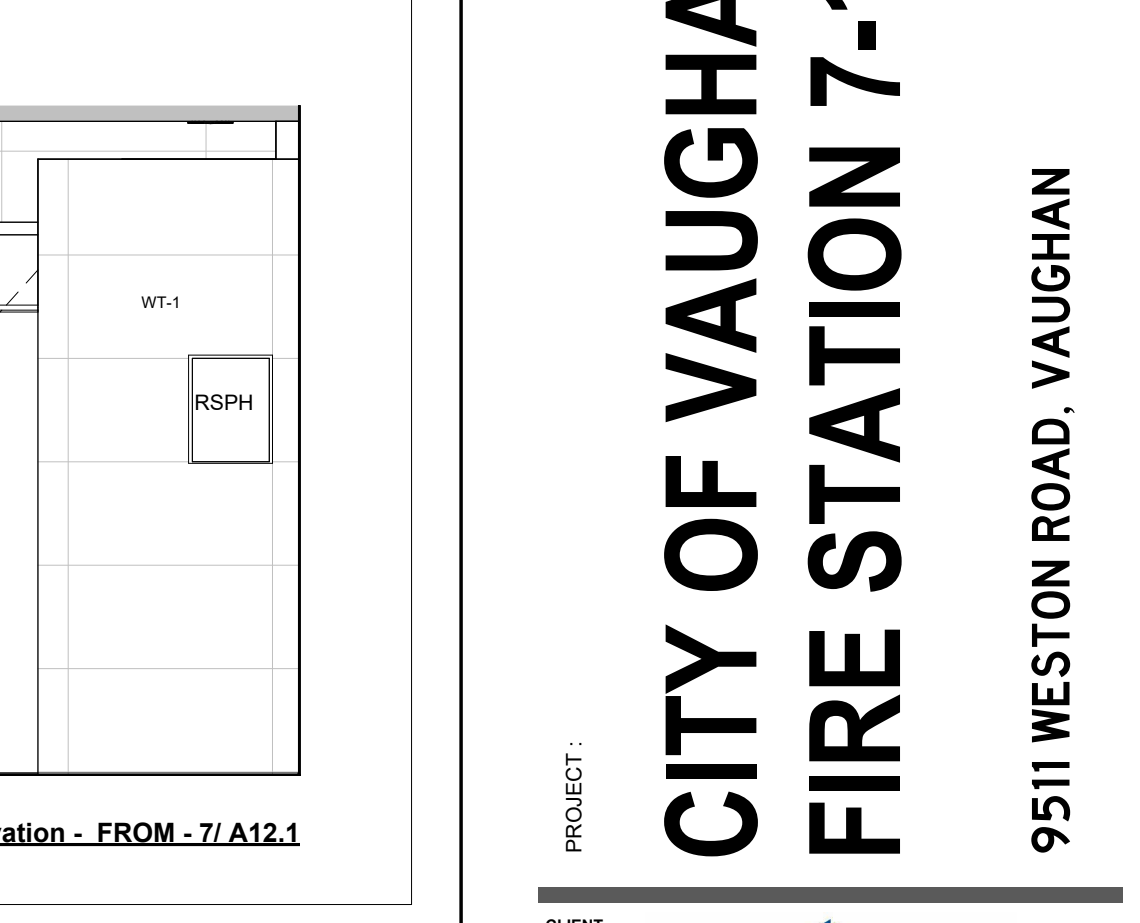
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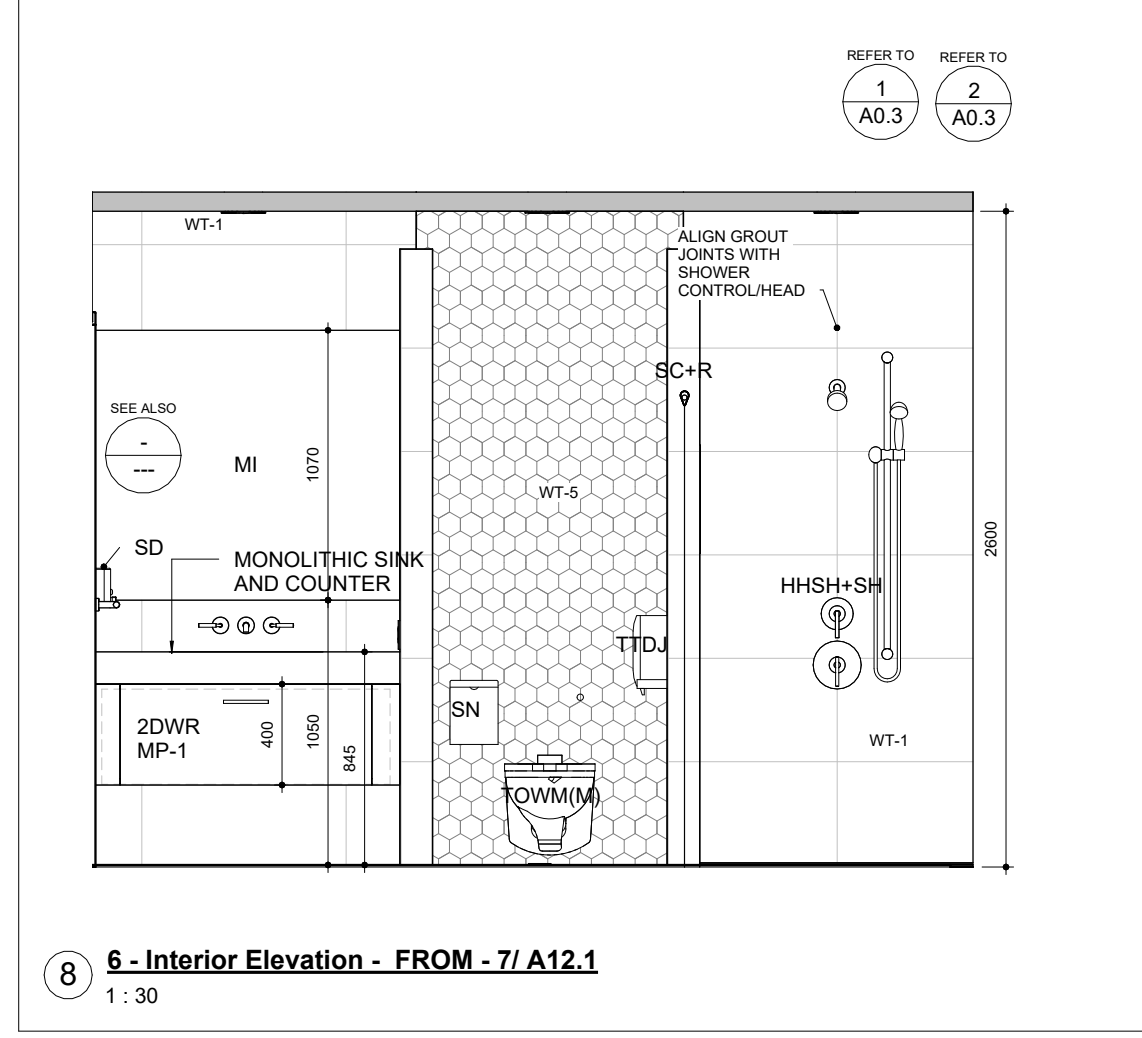
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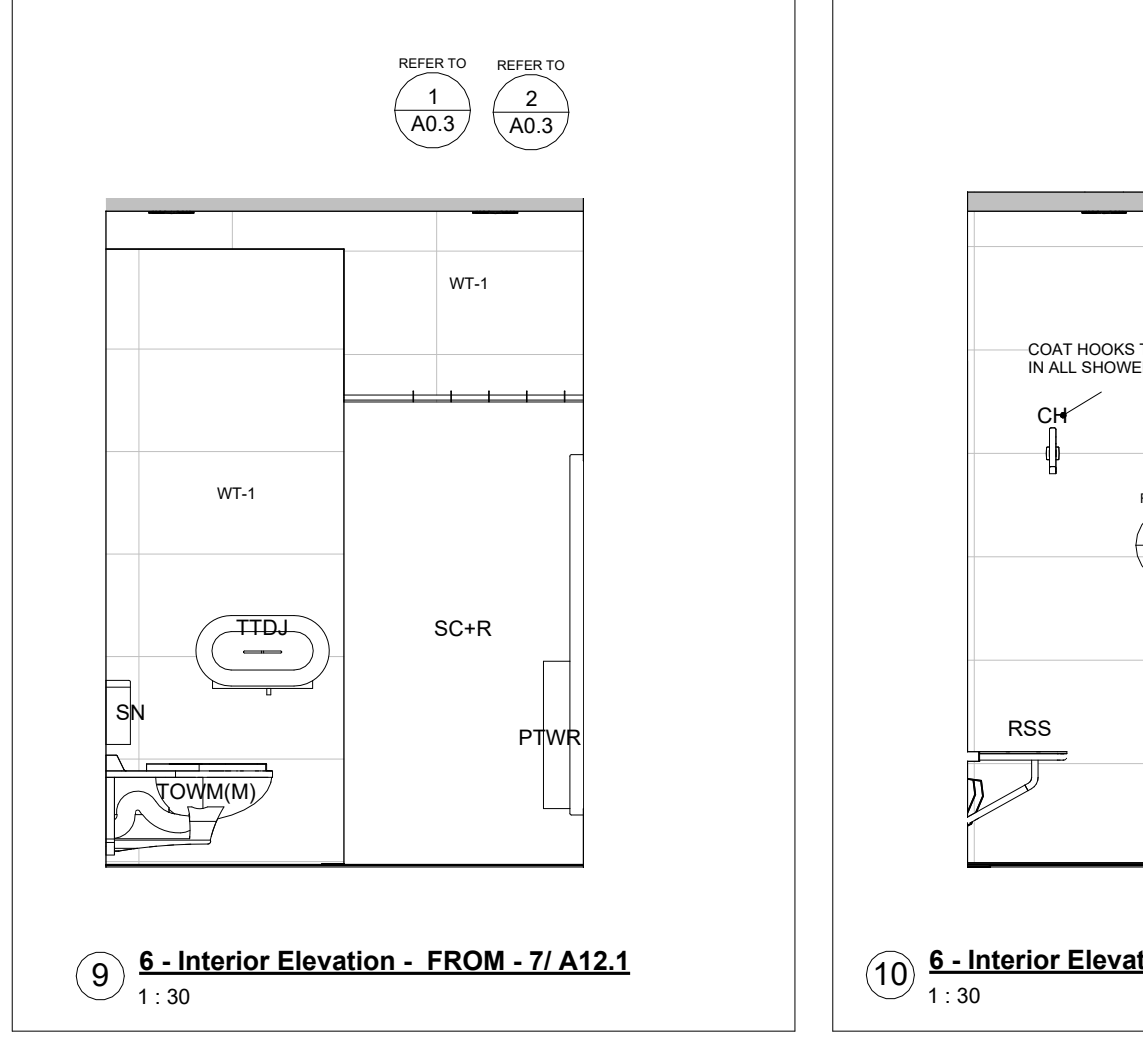
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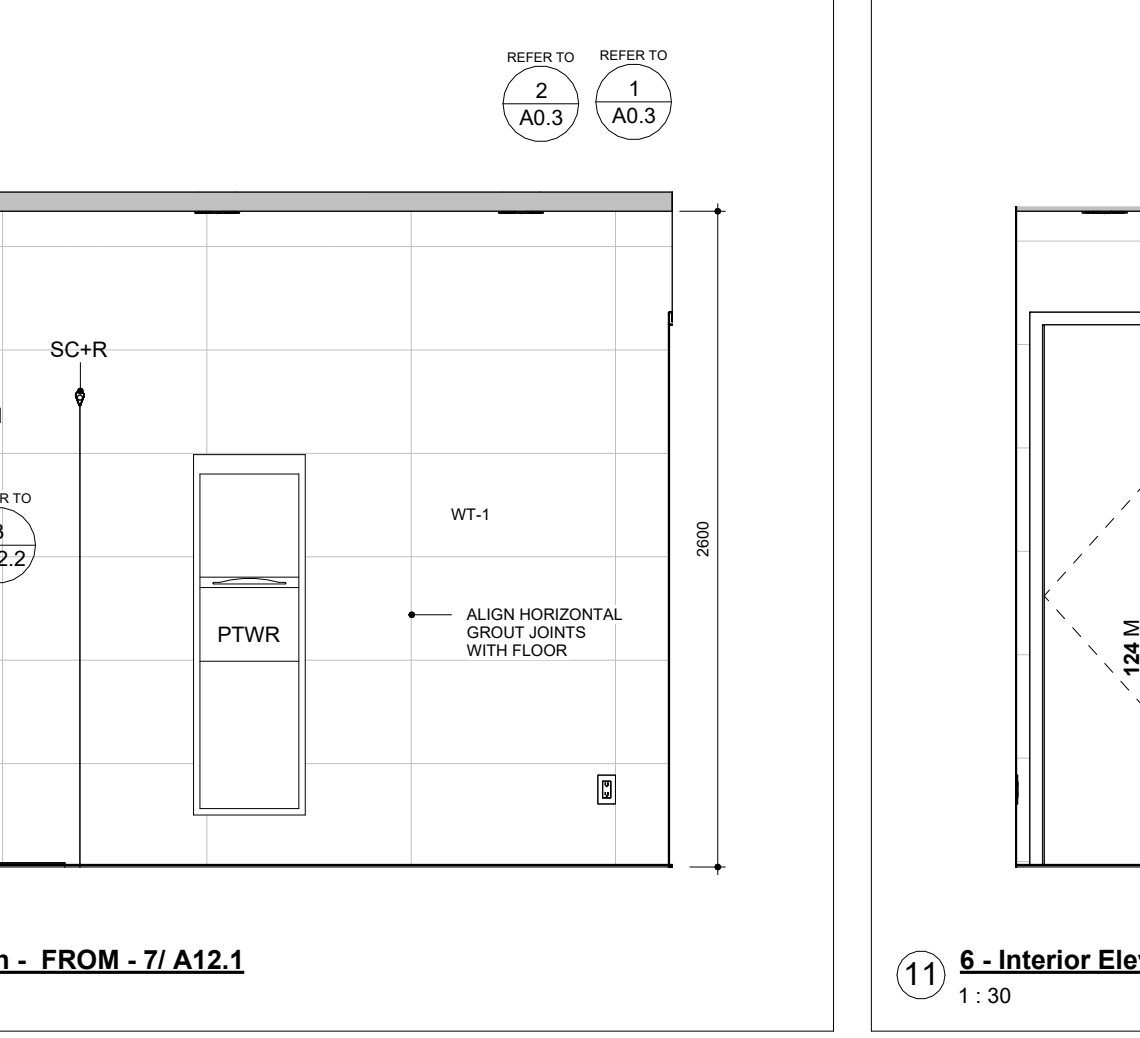
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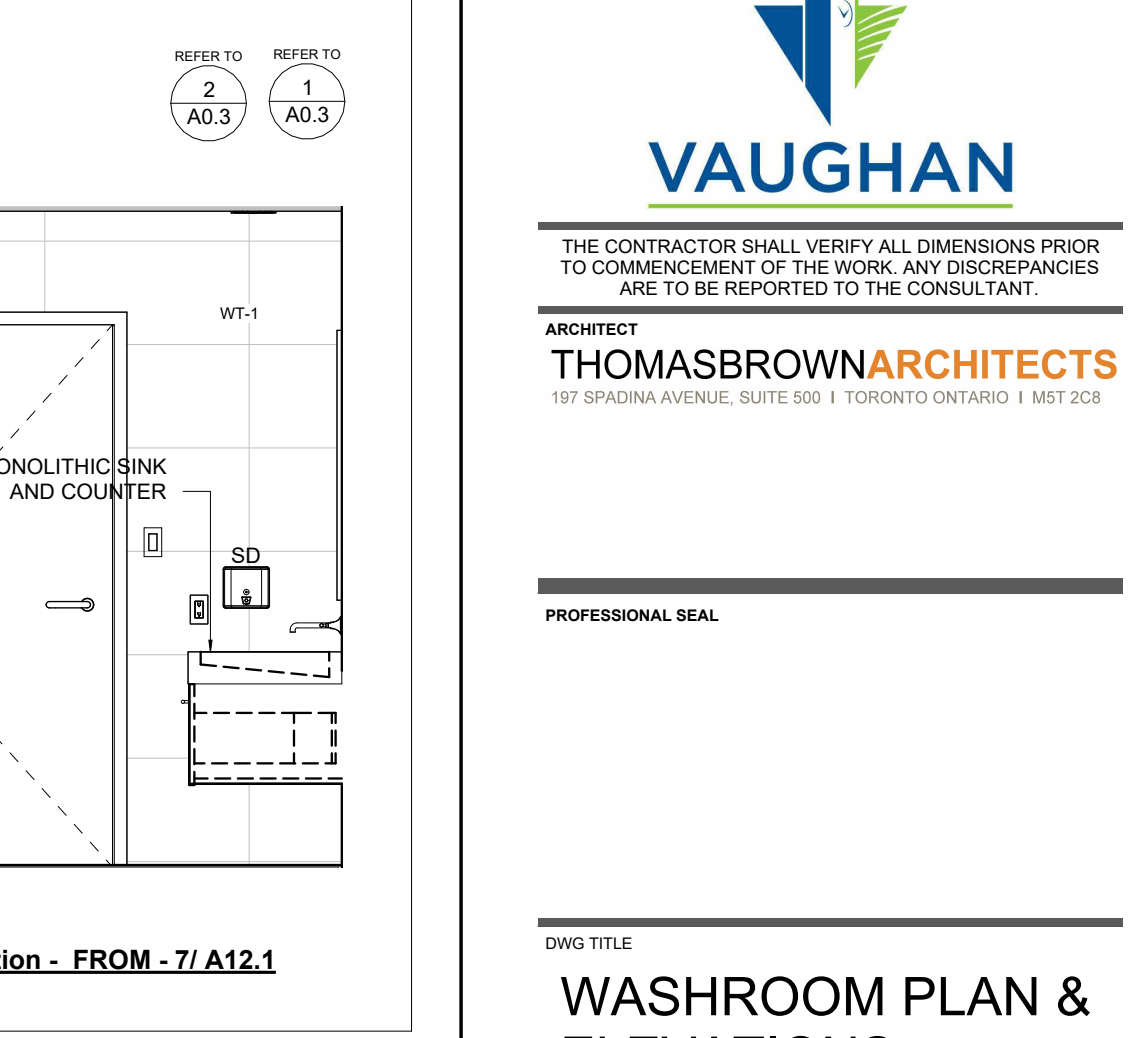
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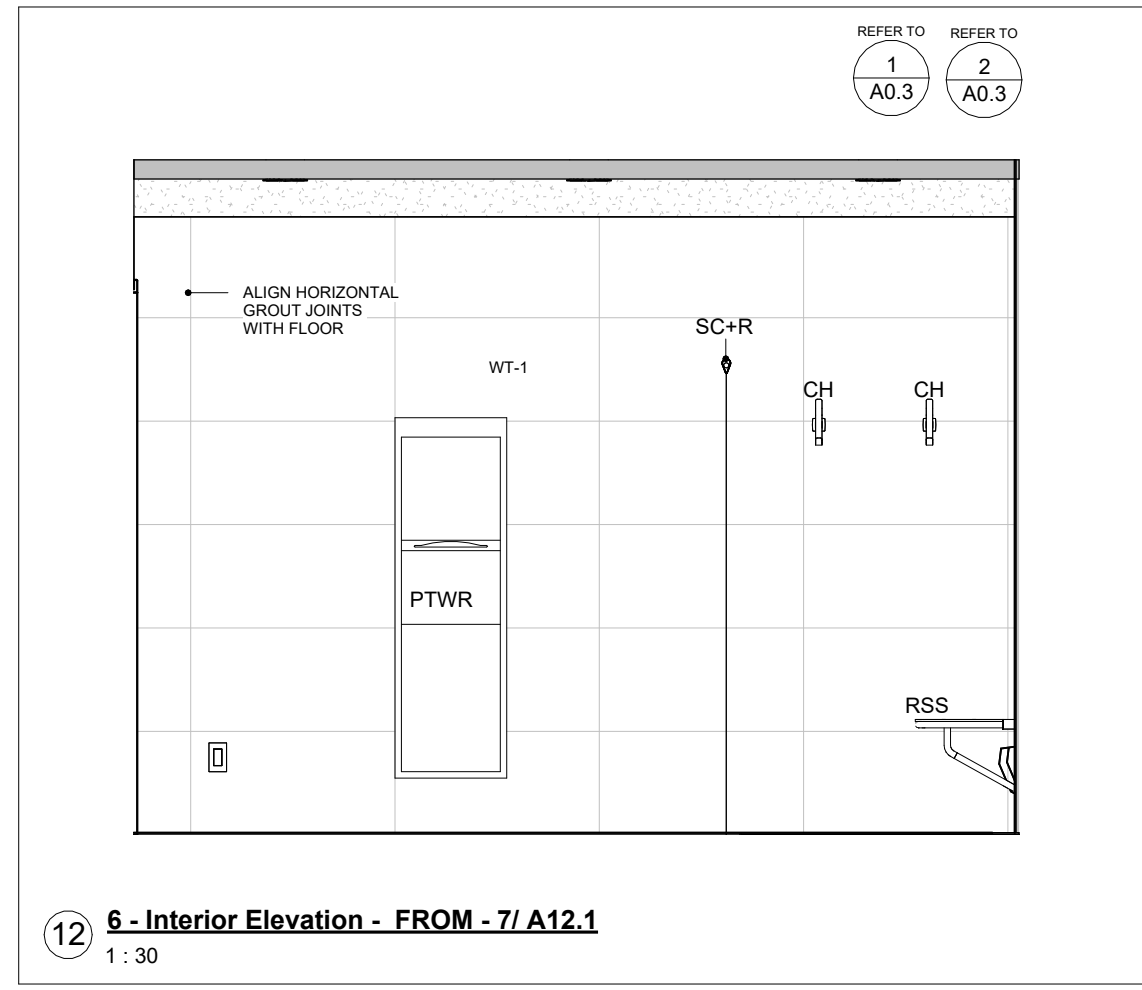
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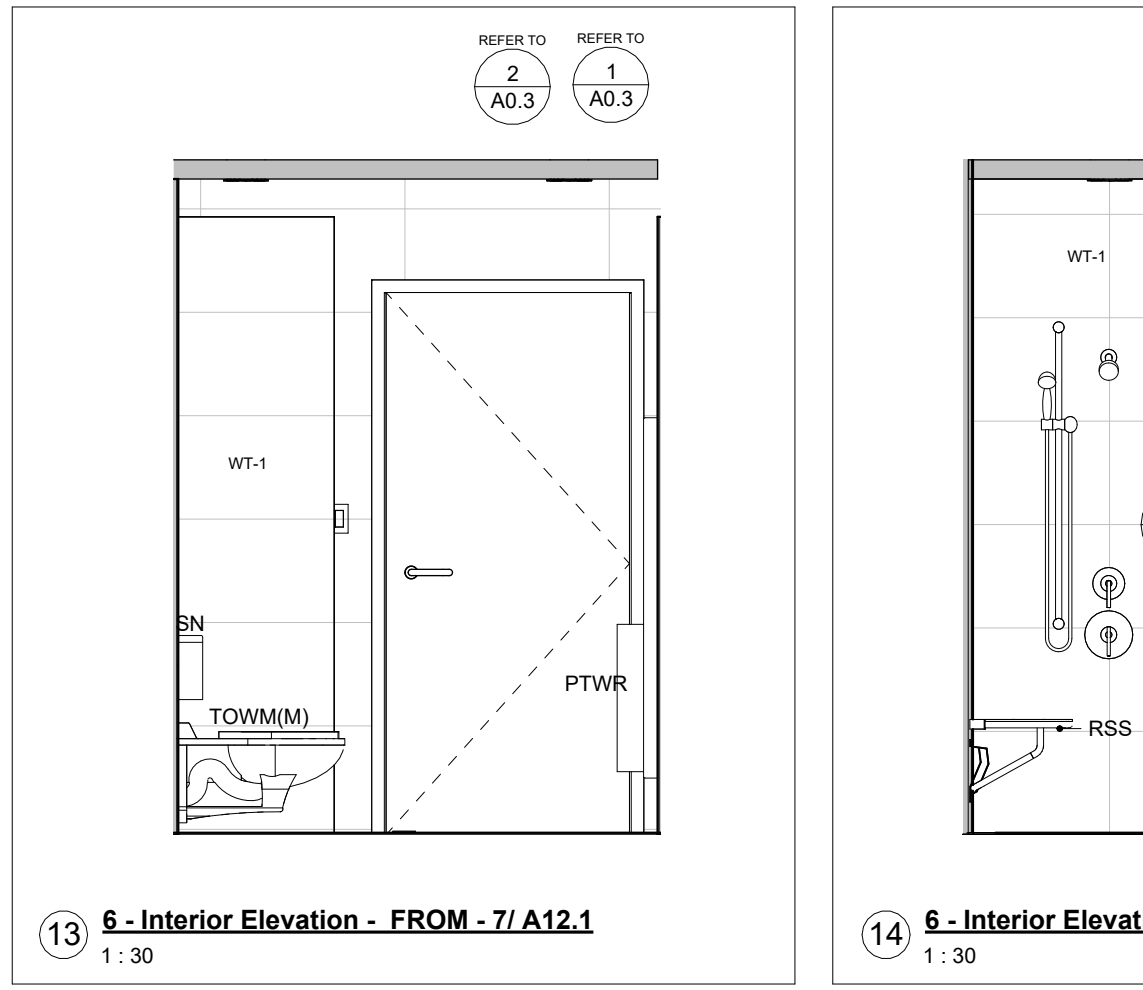
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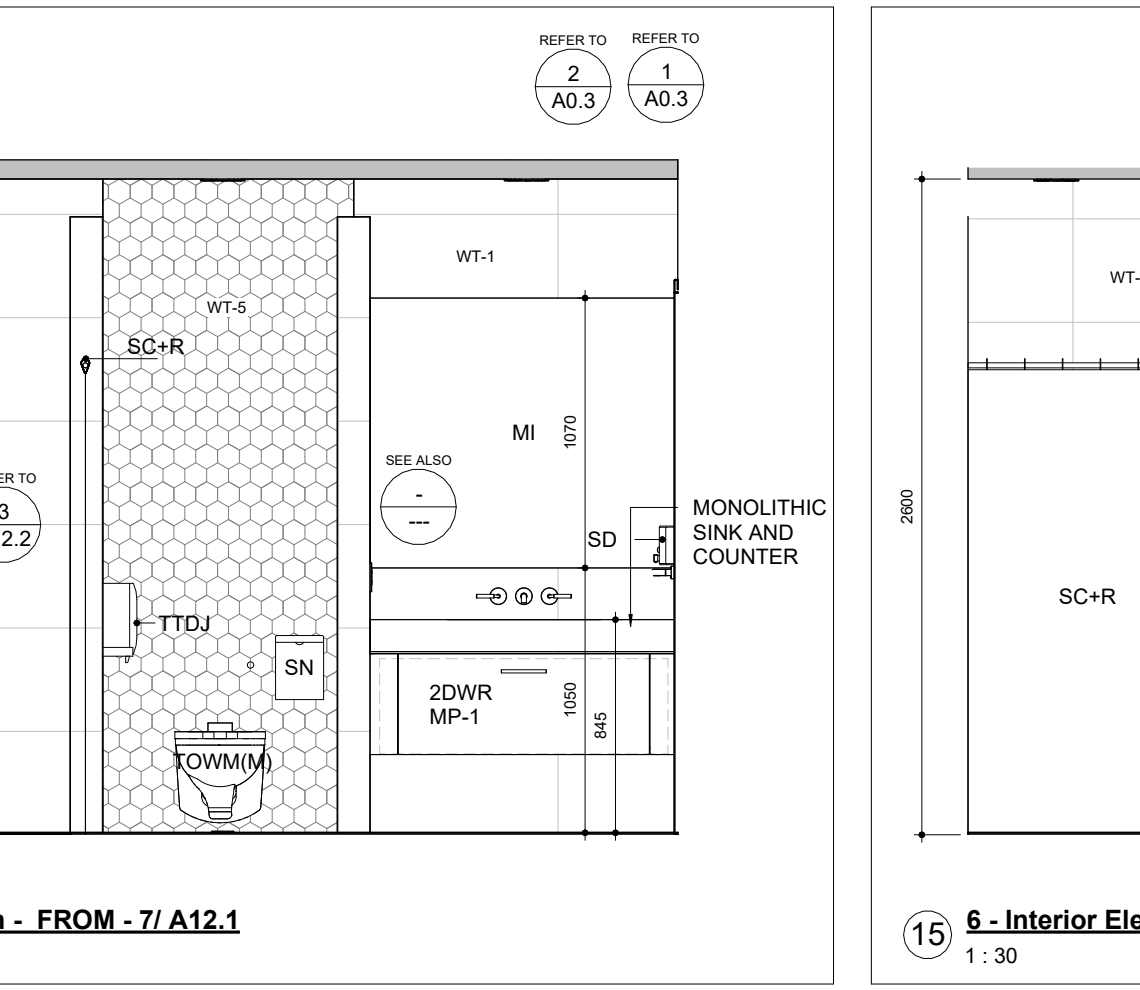
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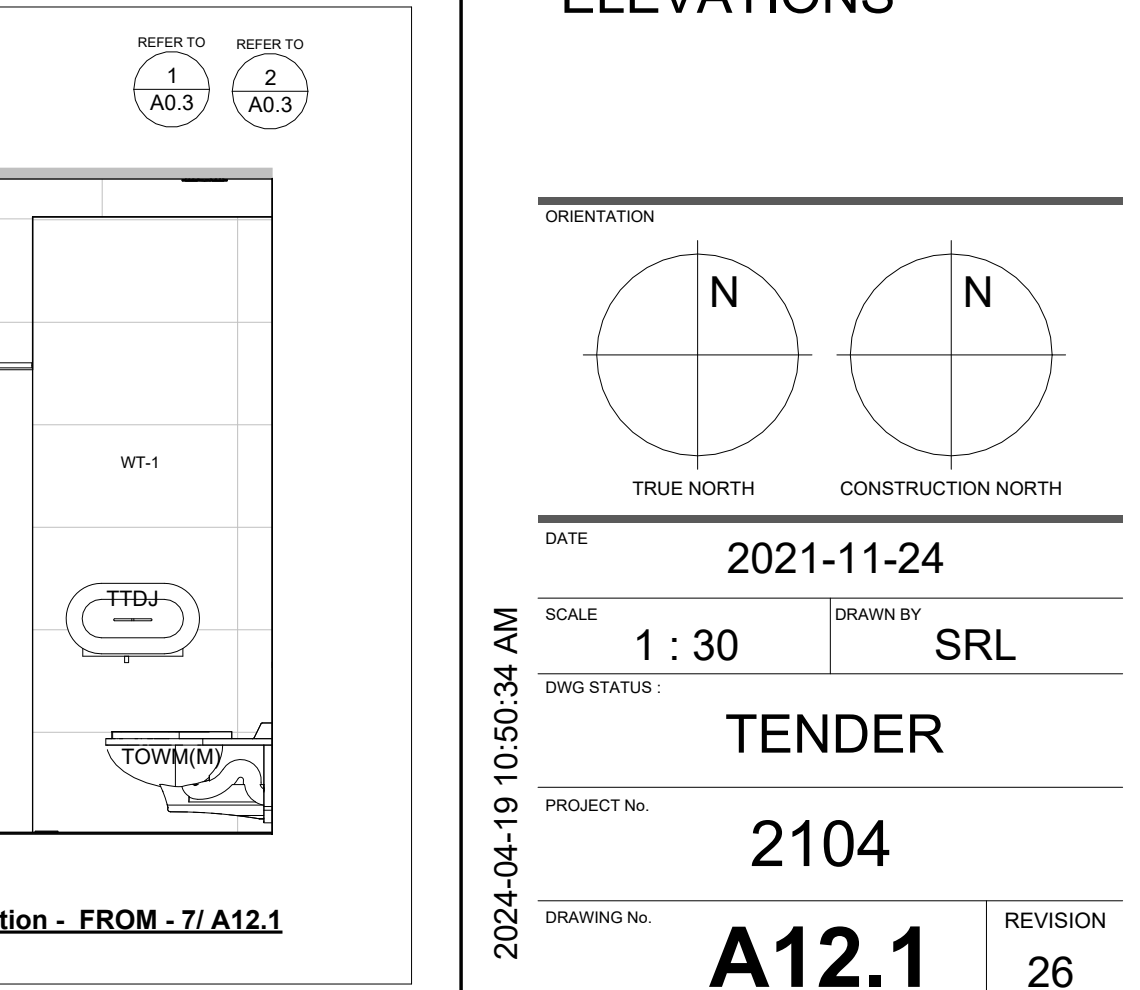
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6 - Interior Elevation - FROM - 7/ A12.1
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6 - Interior Elevation - FROM - 7/ A12.1
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6 - Interior Elevation - FROM - 7/ A12.1
1:30

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NO.	ISSUE OR REVISION	DATE
17	ISSUED FOR SPA - REVISION	2023-08-30
18	ISSUED FOR PERMIT	2023-09-15
19	ISSUED FOR RFPQ	2023-10-19
24	ISSUED FOR CLASS A	2024-02-16
26	T24-253 - IFT	2024-04-15



FILE NO. SP.22.V.0191

CITY OF VAUGHAN FIRE STATION 7-12

9511 WESTON ROAD, VAUGHAN

CLIENT

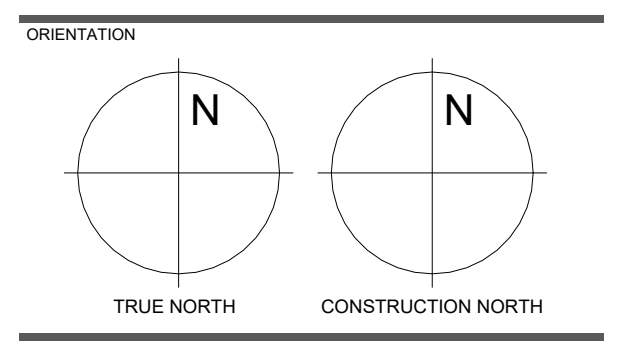
THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF THE WORK. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT.

ARCHITECT
THOMASBROWNARCHITECTS
197 SPADINA AVENUE, SUITE 500 | TORONTO ONTARIO | M5T 2C8

PROFESSIONAL SEAL

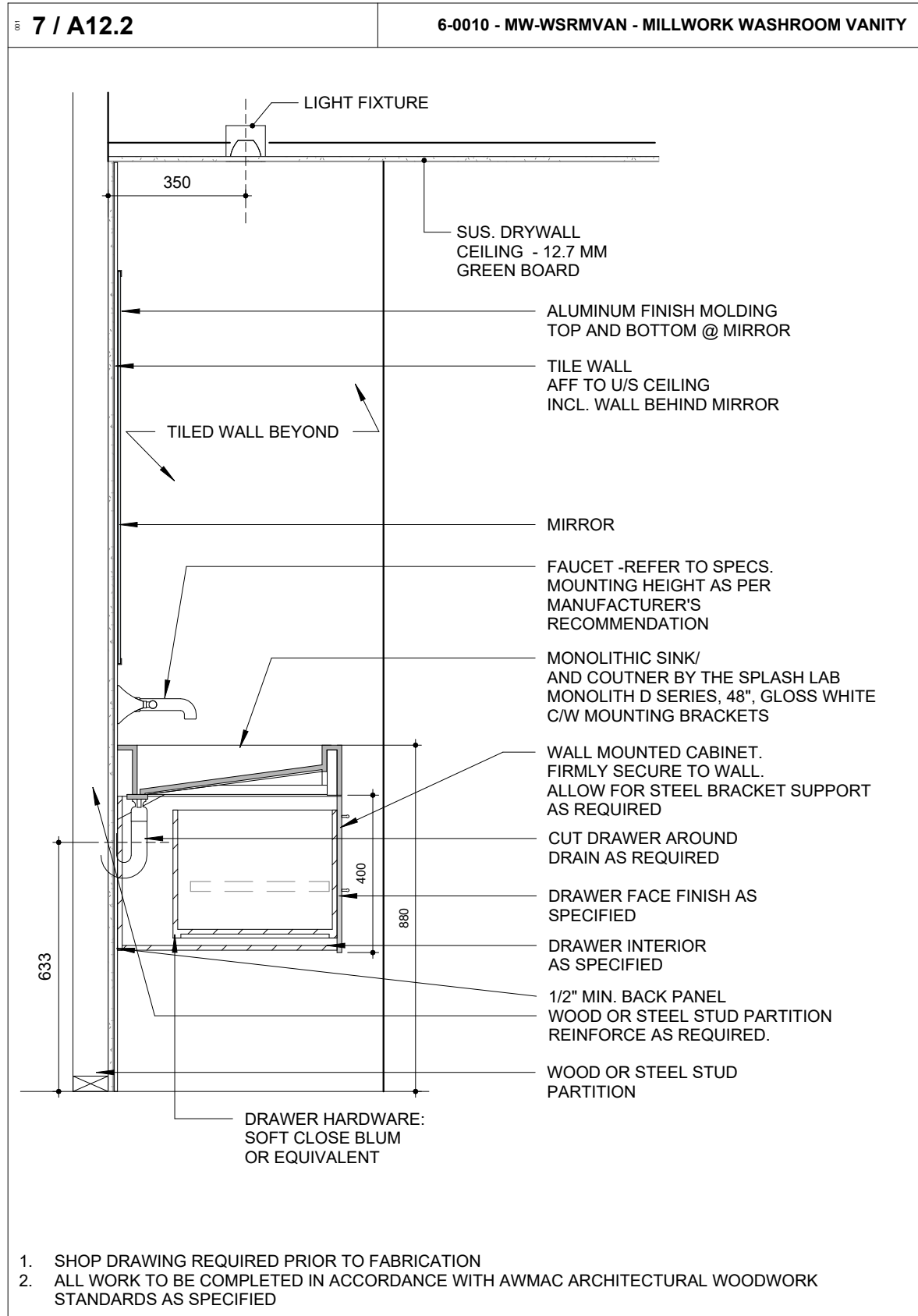
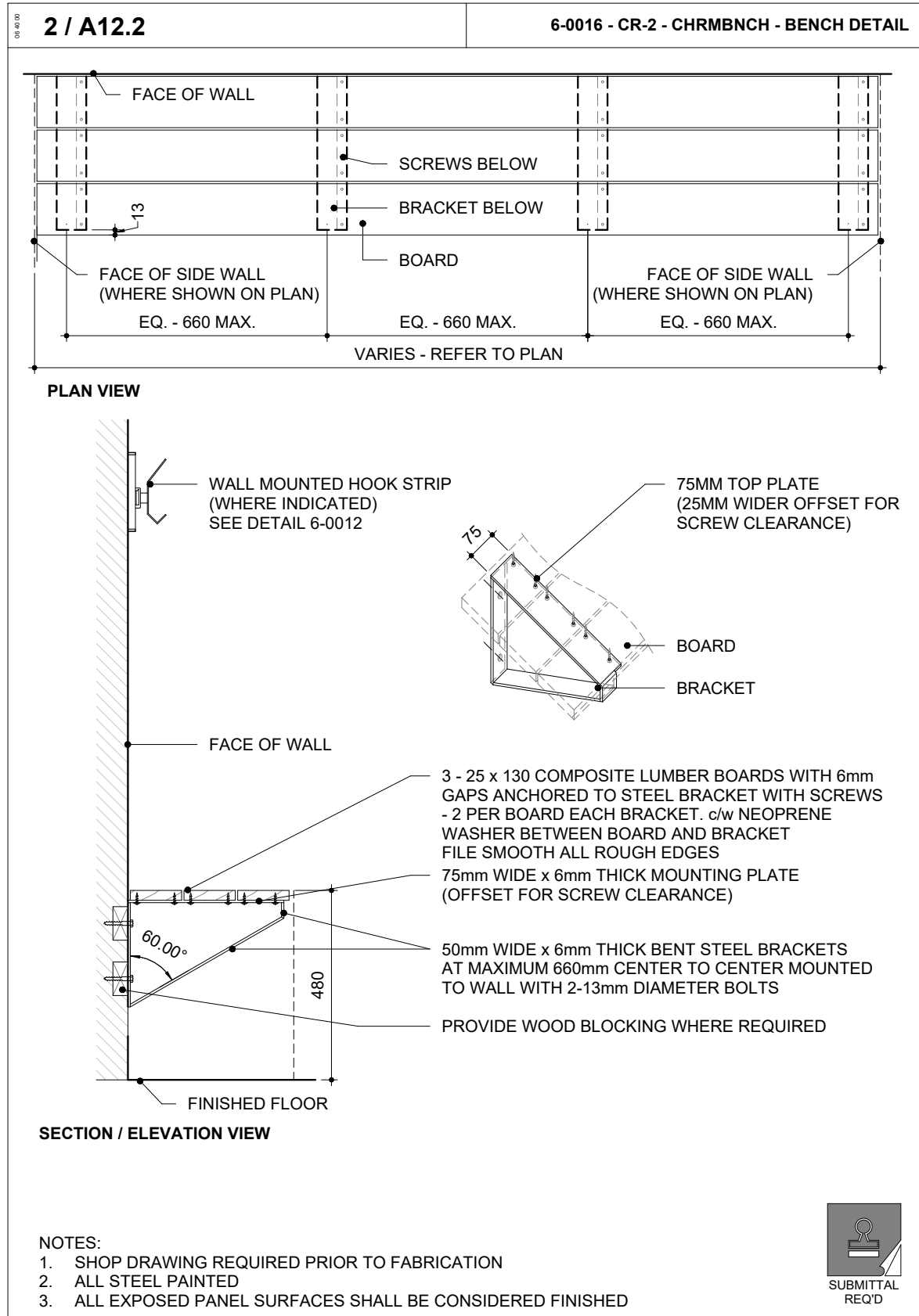
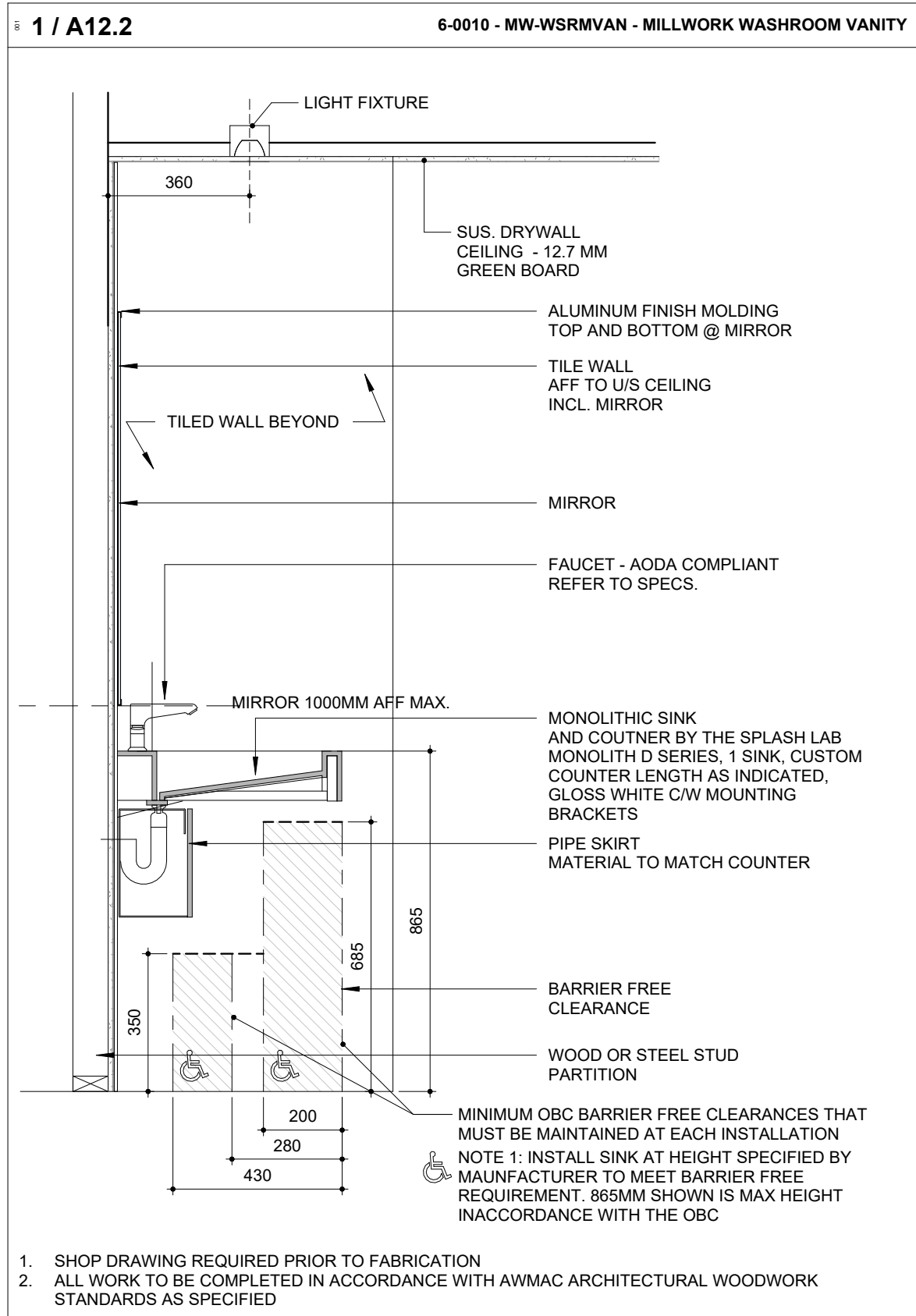
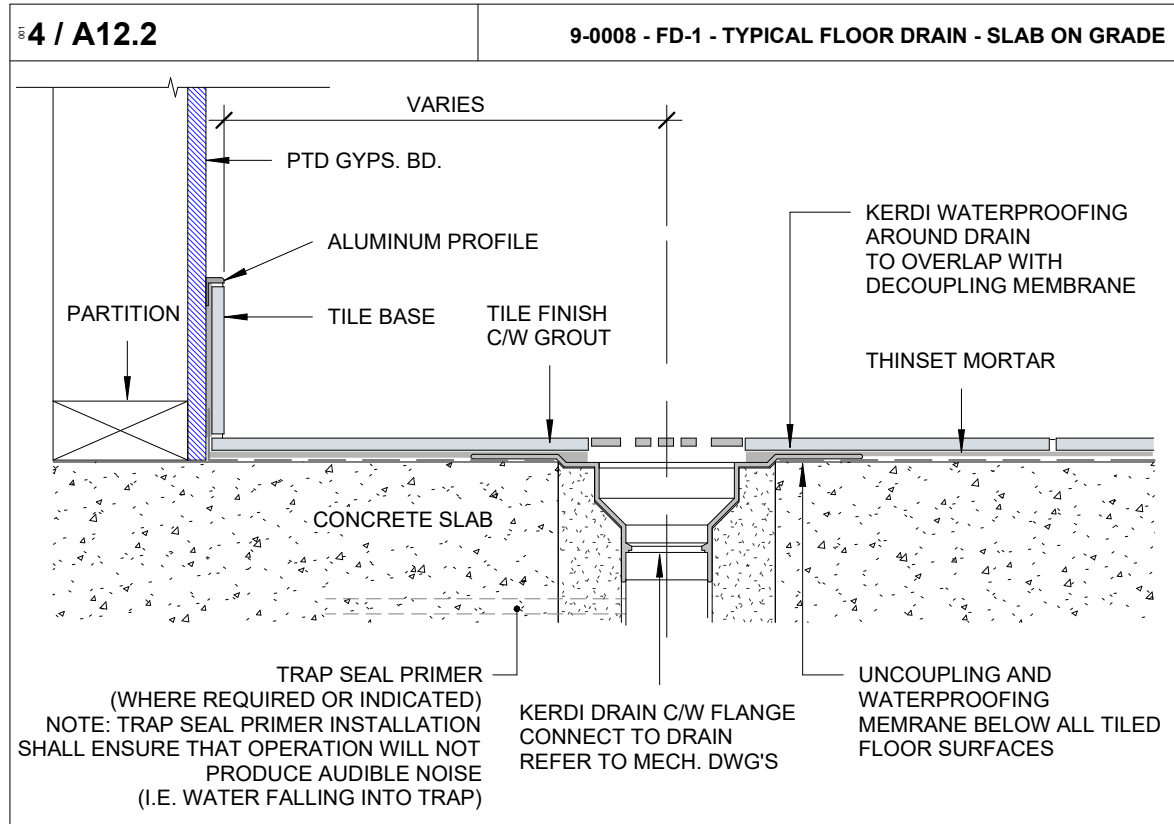
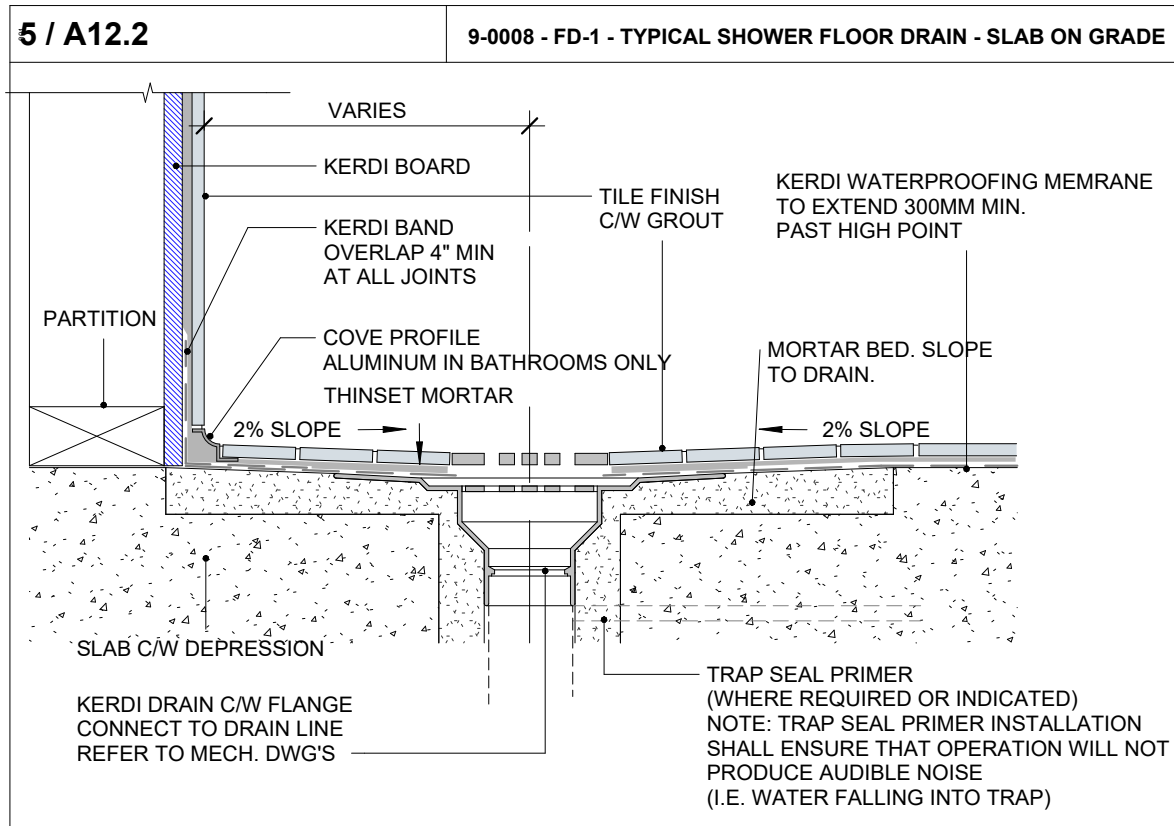
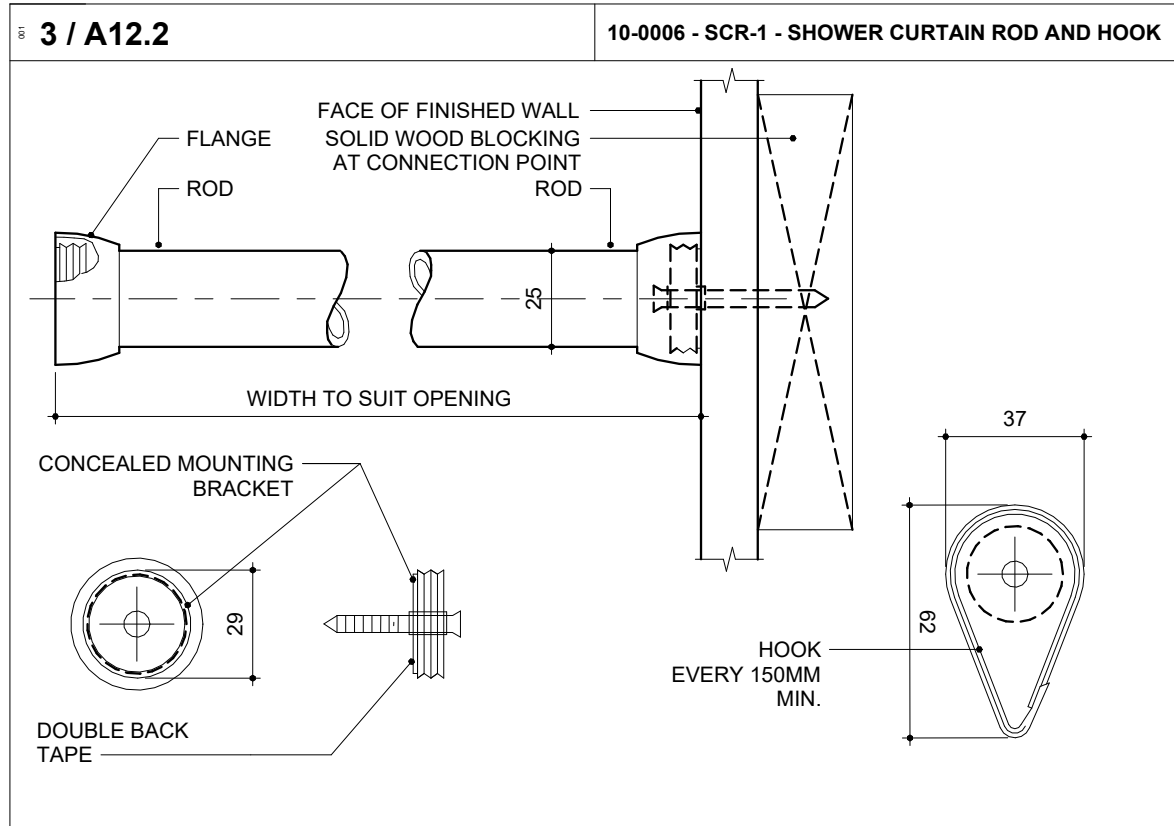
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WASHROOM PLAN & ELEVATIONS



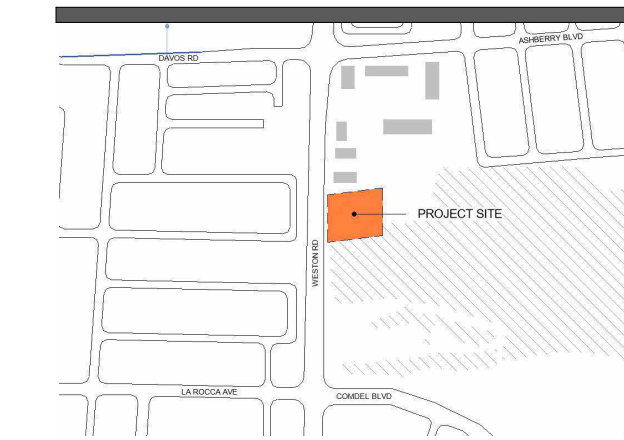
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PROJECT No.	2104
DRAWING No.	A12.1
REVISION	26

2024-04-19 10:50:34 AM



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ISSUE OR REVISION		
NO.	ISSUED FOR	DATE
12	2022 UPDATE	2022-12-20
16	DD CLIENT REVIEW	2023-07-24
18	ISSUED FOR PERMIT	2023-09-15
19	ISSUED FOR RFP/Q	2023-10-19
24	ISSUED FOR CLASS A	2024-02-18
26	T24-253 - IFT	2024-04-15



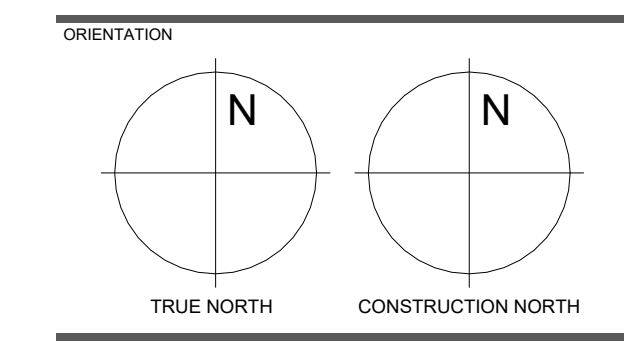
CITY OF VAUGHAN
FIRE STATION 7-12
9511 WESTON ROAD, VAUGHAN

CLIENT: **VAUGHAN**

ARCHITECT: **THOMASBROWNARCHITECTS**
197 SPADINA AVENUE, SUITE 500 | TORONTO ONTARIO | M5T 2C8

PROFESSIONAL SEAL

DWG TITLE: **WASHROOM DETAILS**



DATE: 2021-11-24

SCALE: As indicated | DRAWN BY: Author

DWG STATUS: TENDER

PROJECT No.: 2104

DRAWING No.: **A12.2** | REVISION: 26

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24	ISSUED FOR CLASS A	2024-02-16
26	T24-253 - IFT	2024-04-15



FILE NO. SP.22.V.0191

CITY OF VAUGHAN FIRE STATION 7-12

9511 WESTON ROAD, VAUGHAN

CLIENT



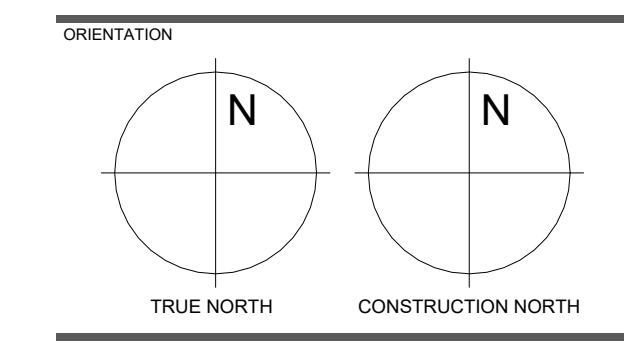
VAUGHAN

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF THE WORK. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT.

ARCHITECT
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PROFESSIONAL SEAL

MILLWORK PLANS AND ELEVATIONS & DETAILS



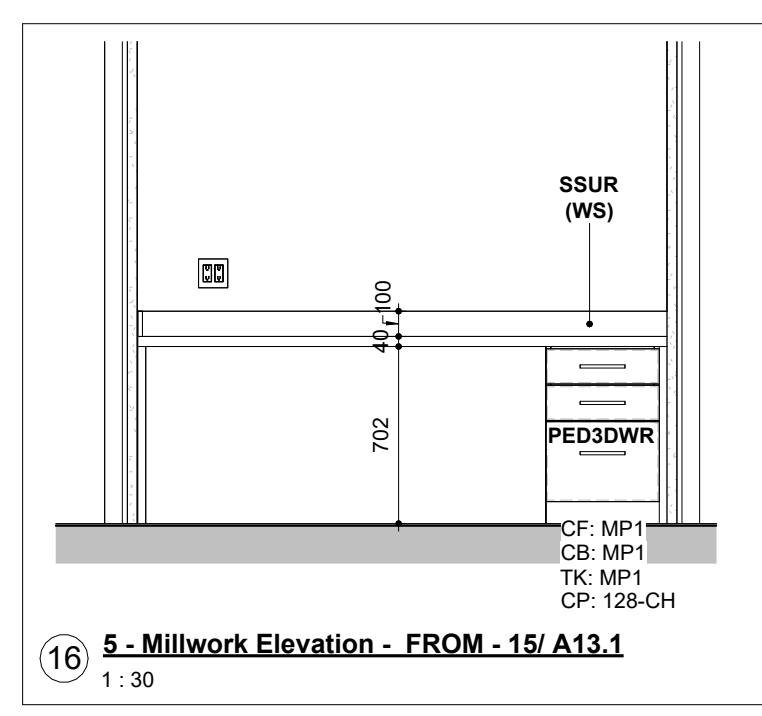
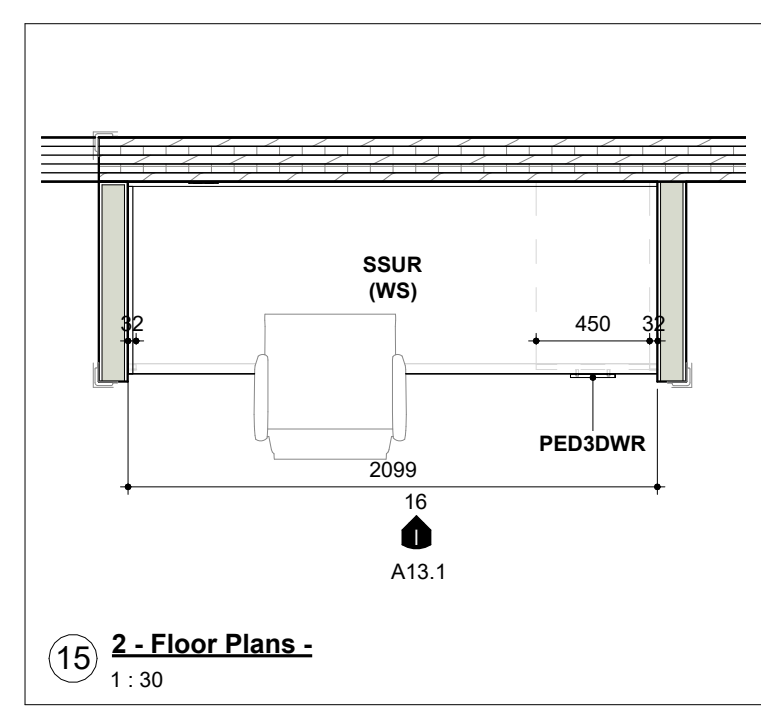
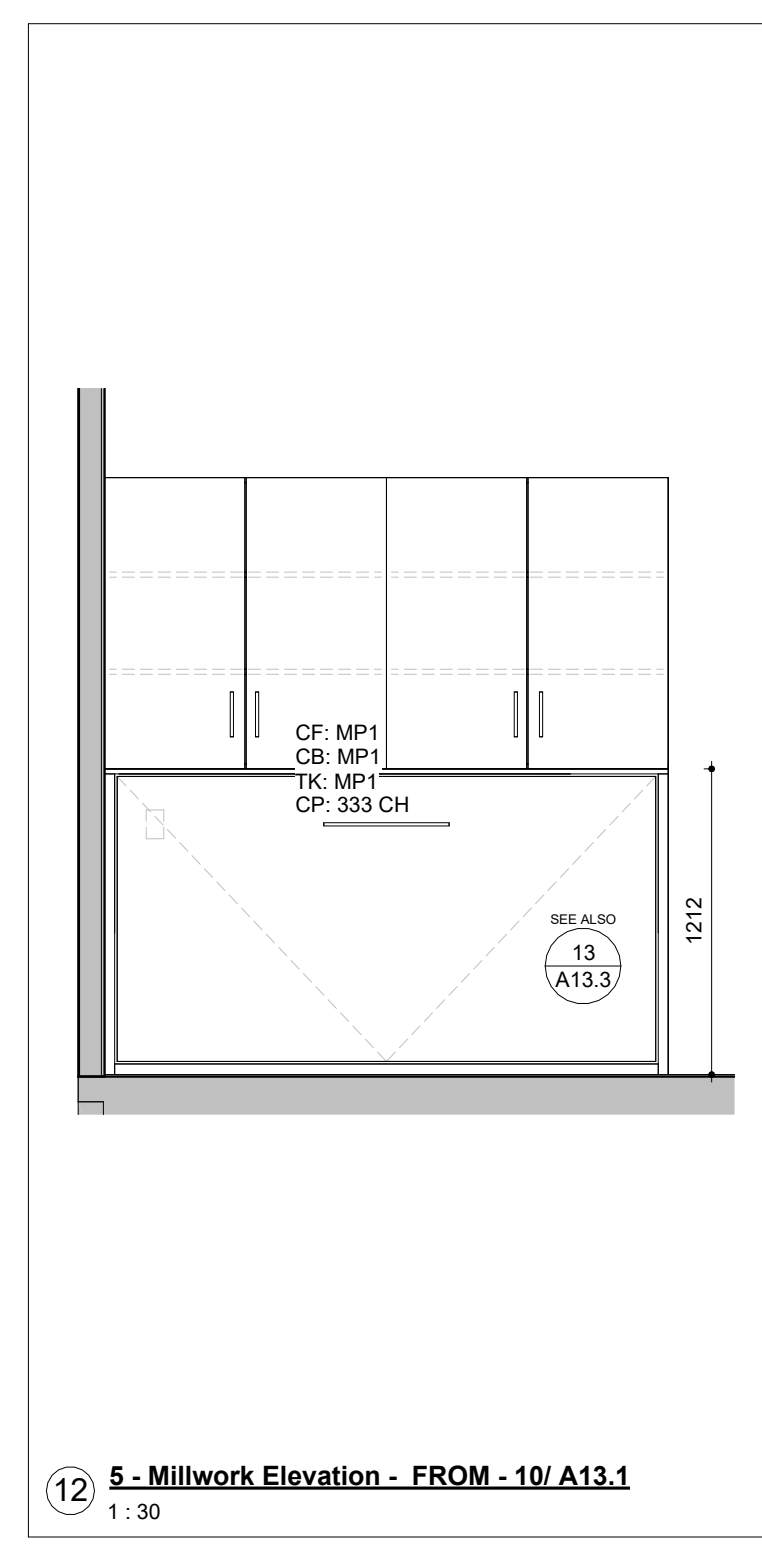
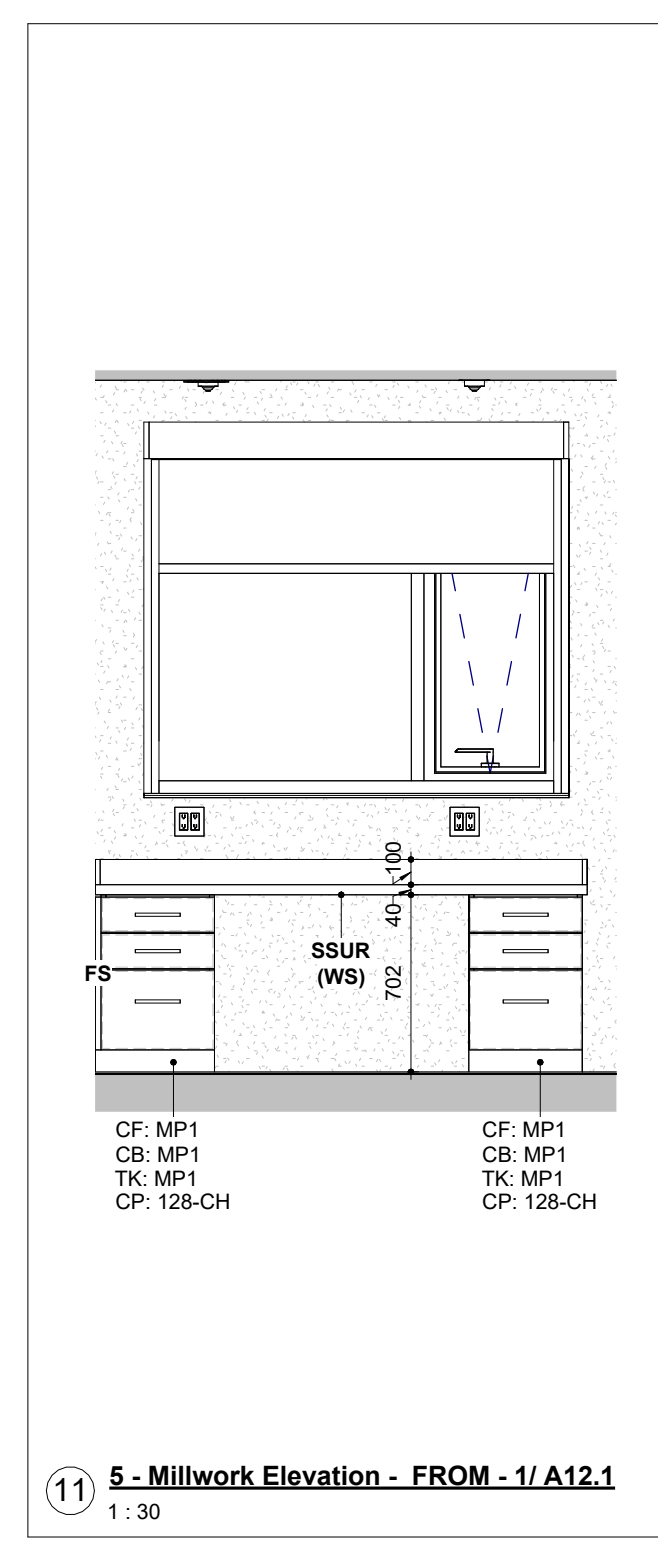
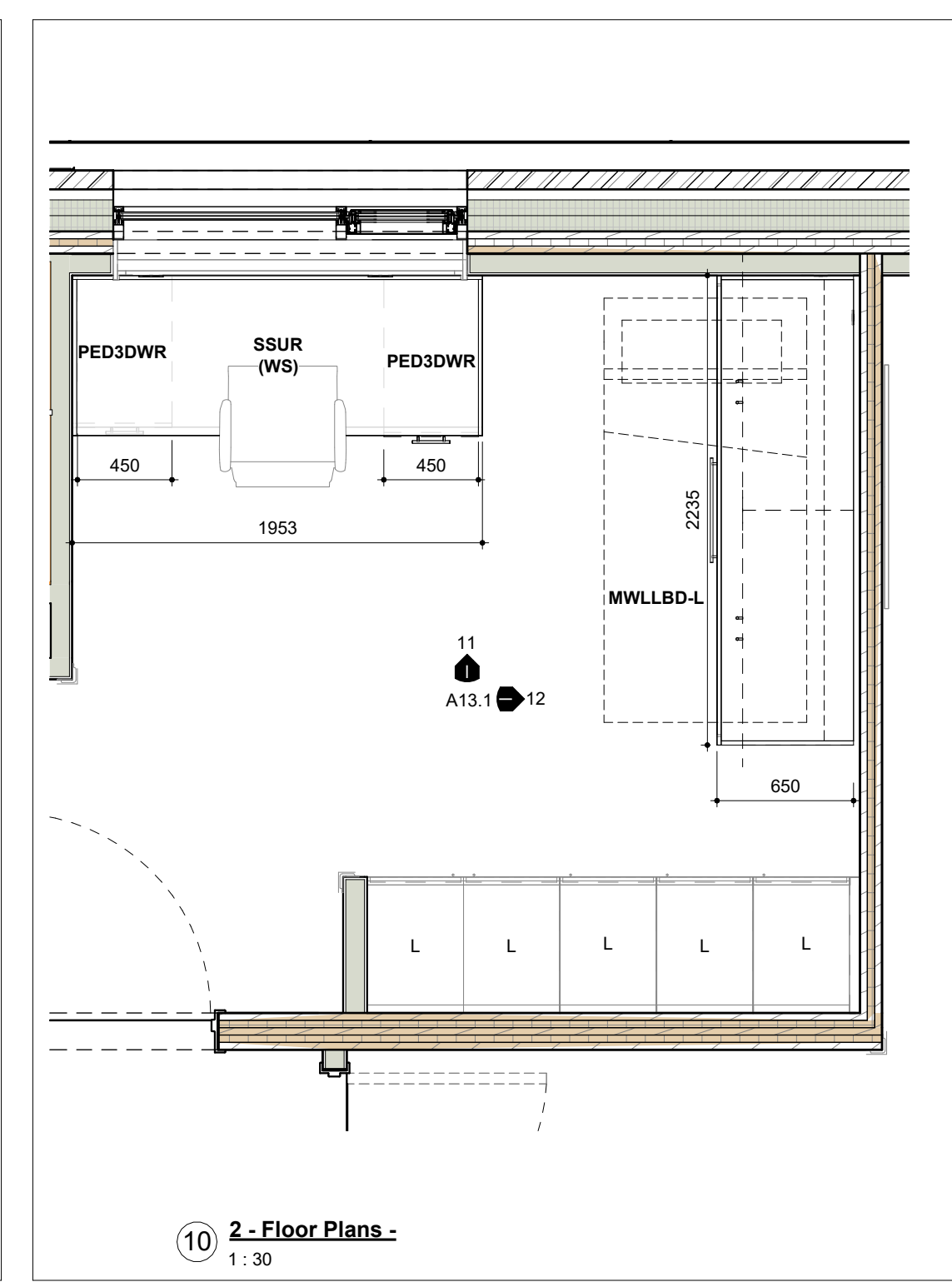
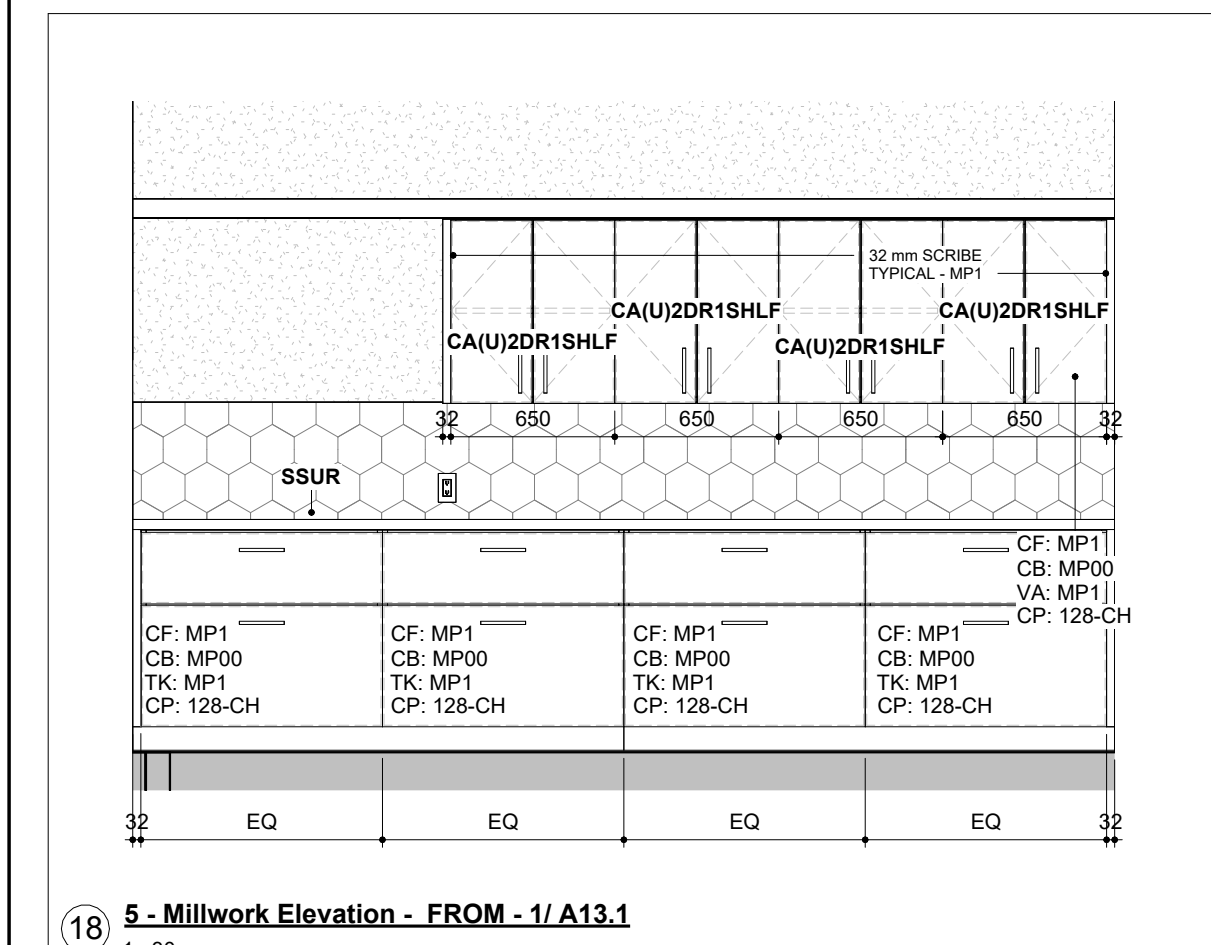
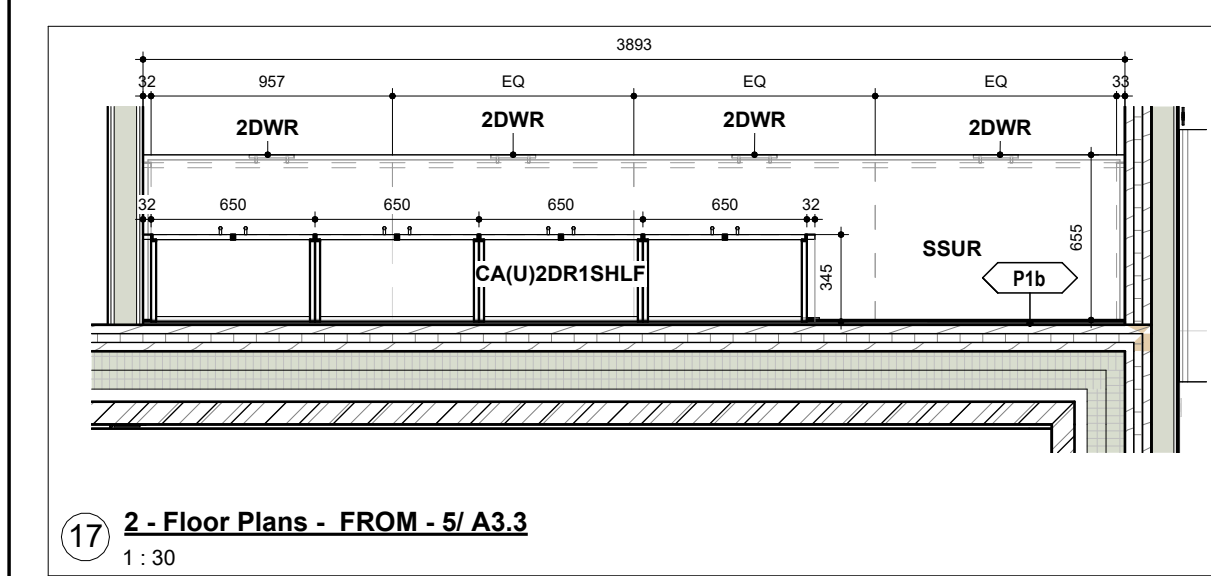
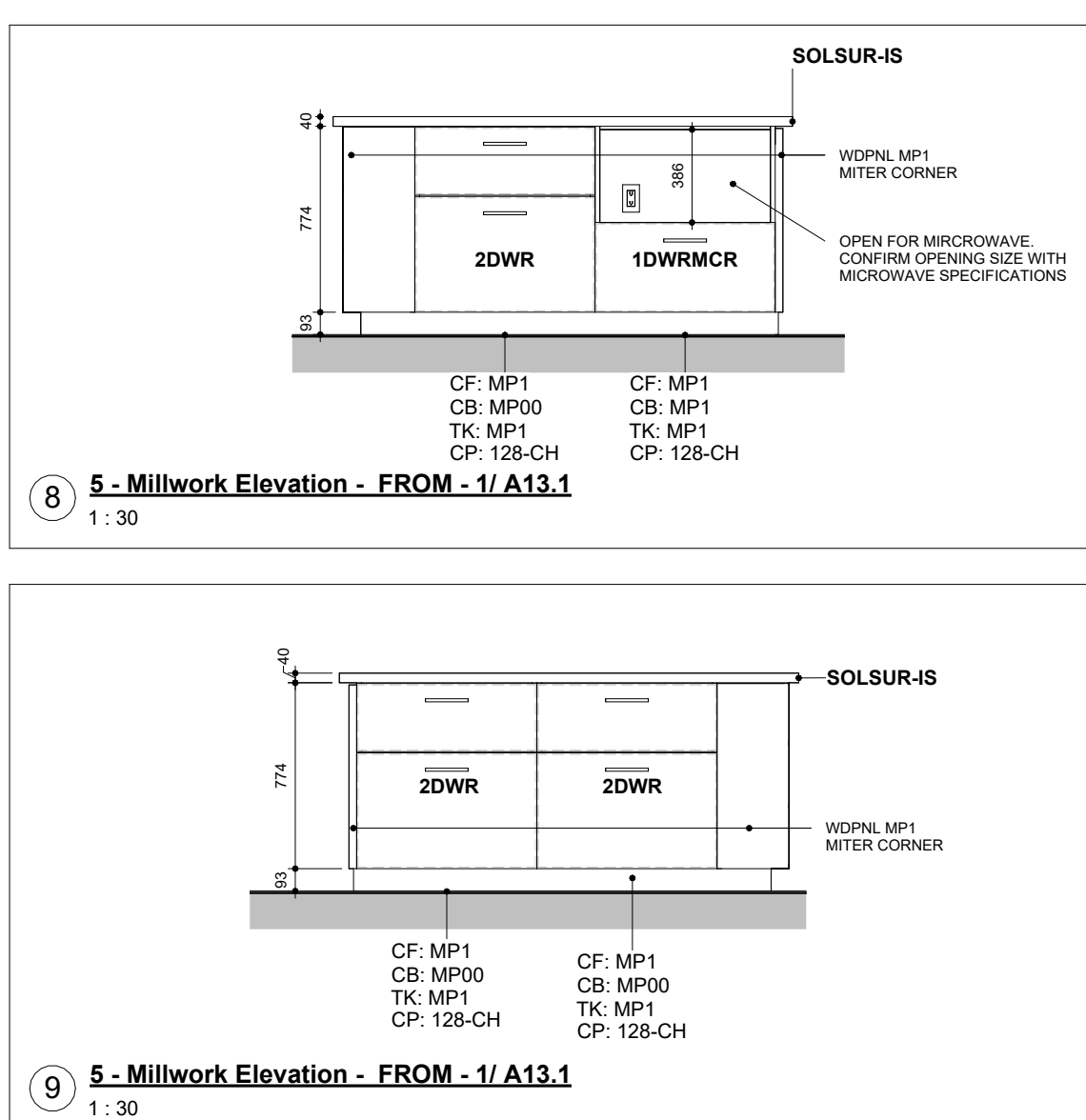
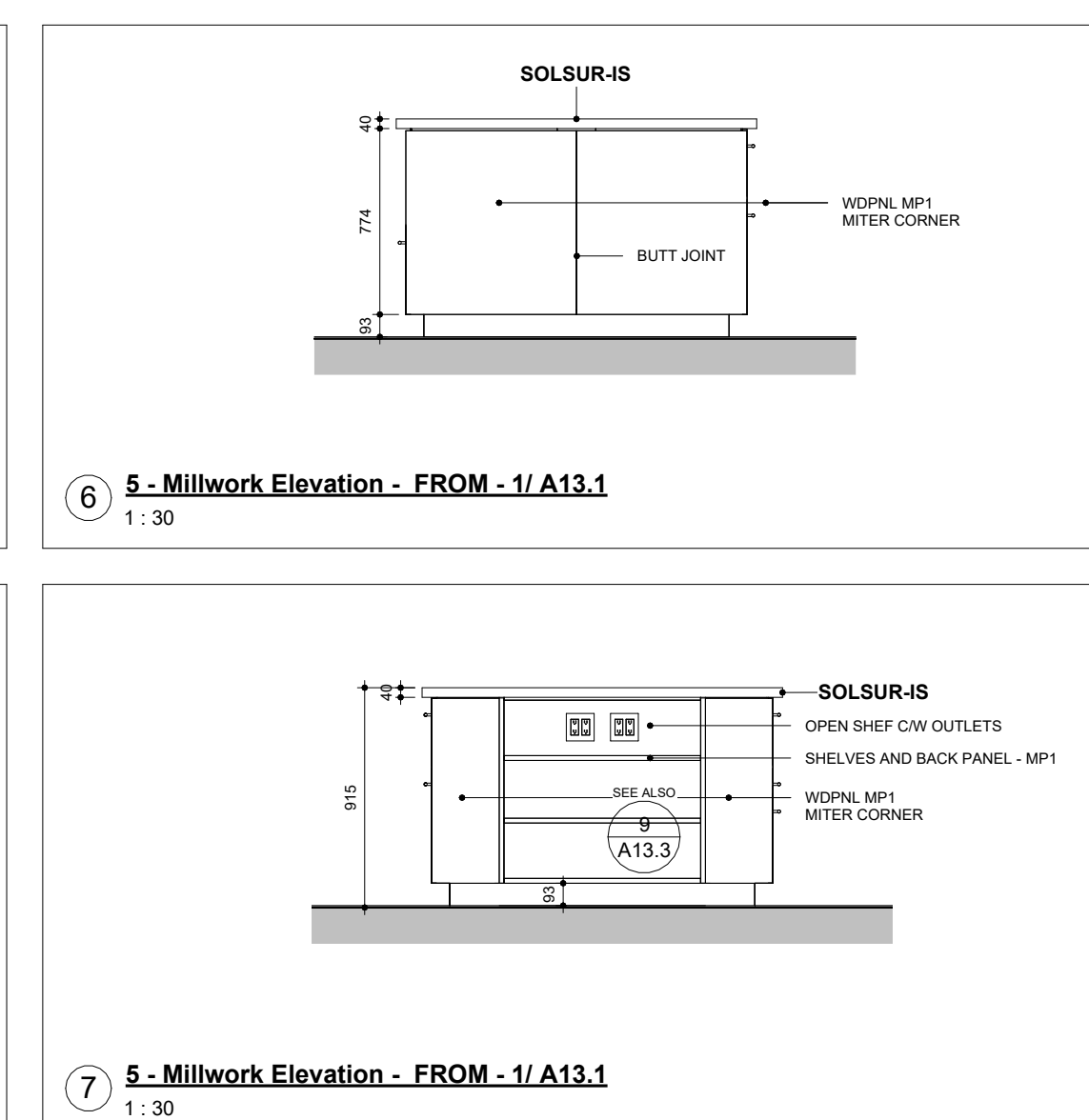
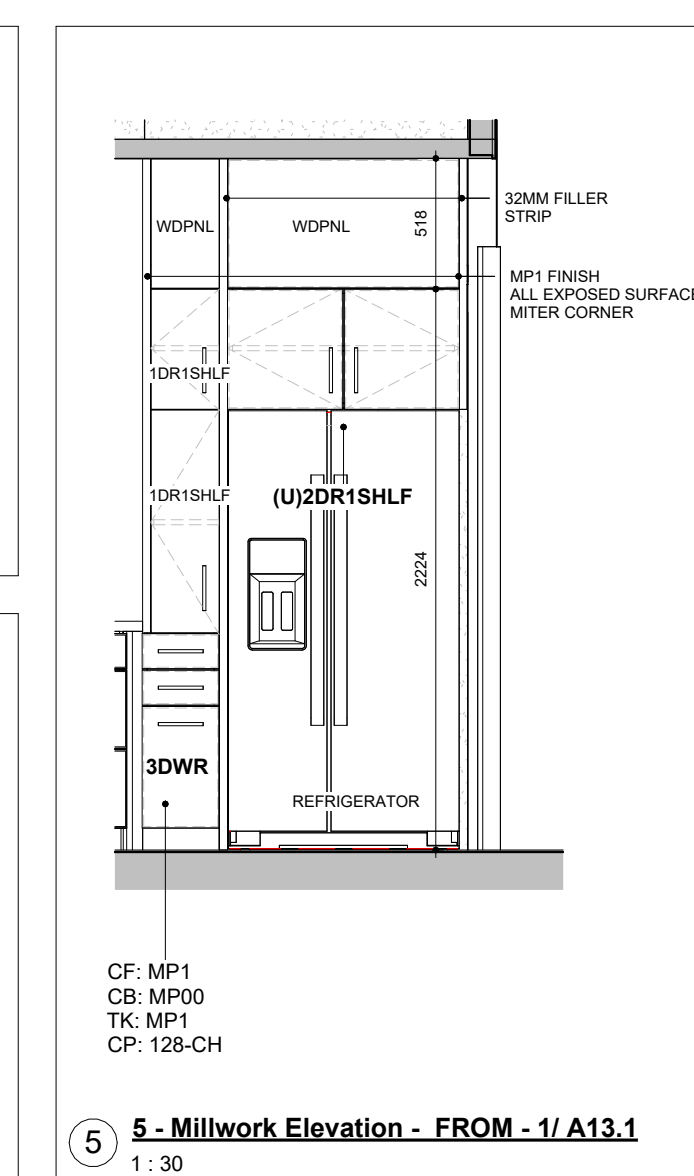
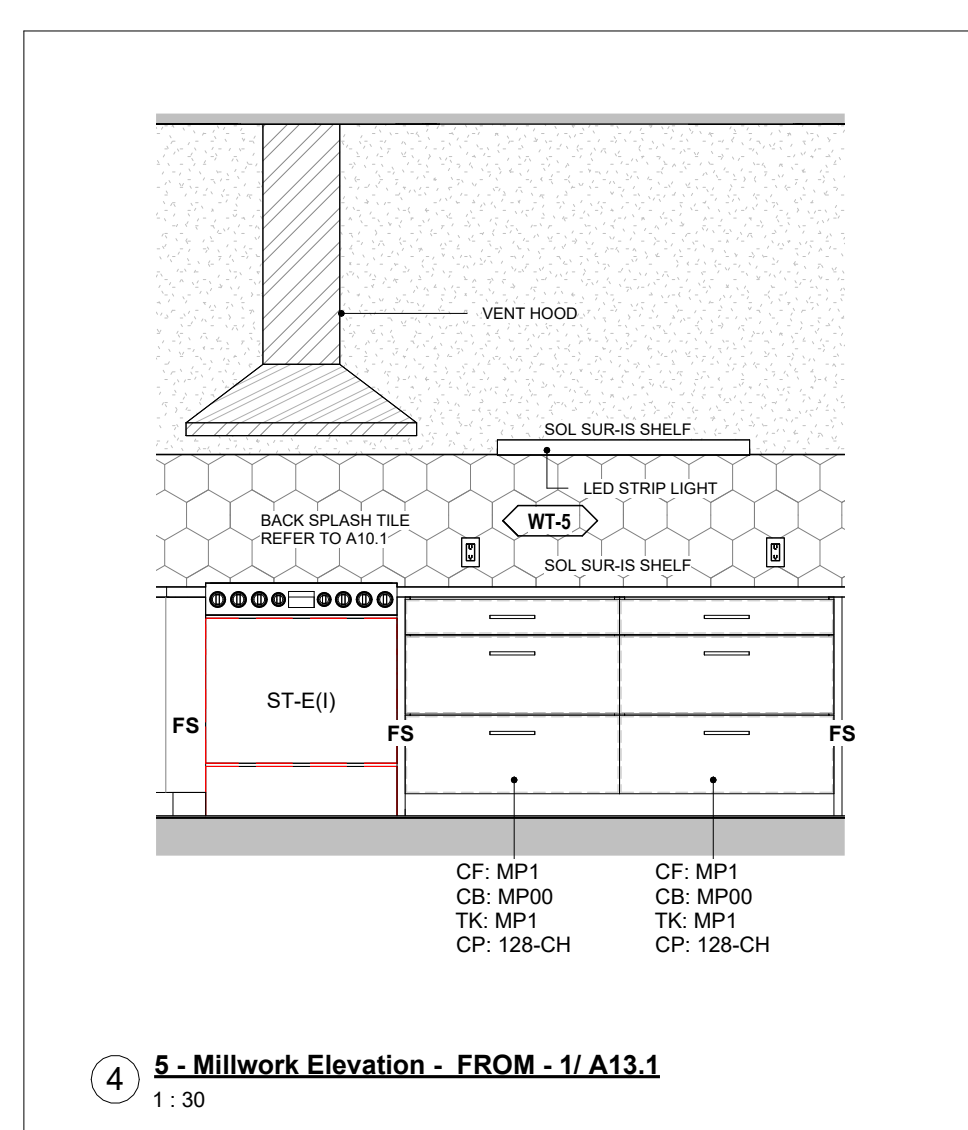
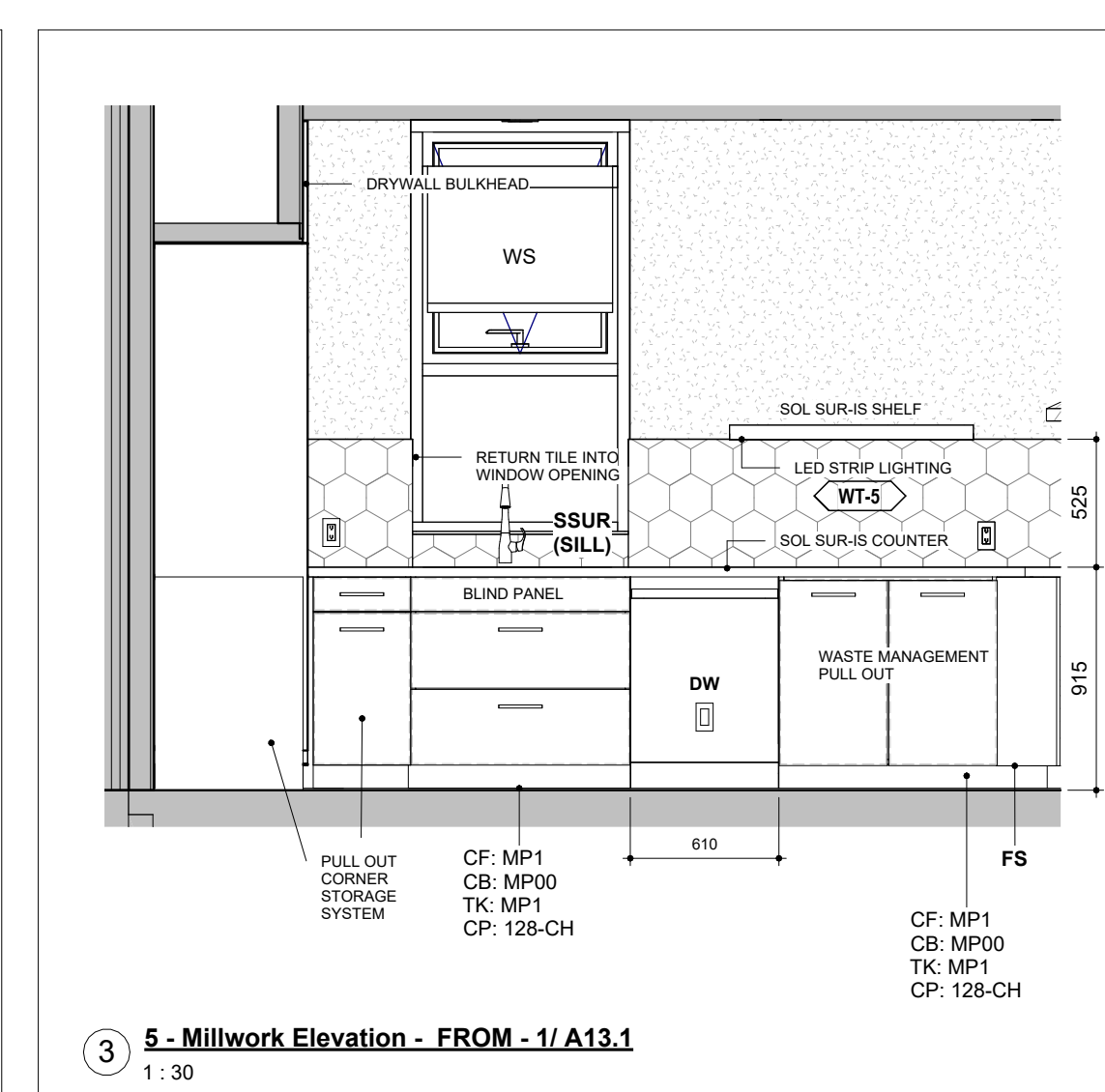
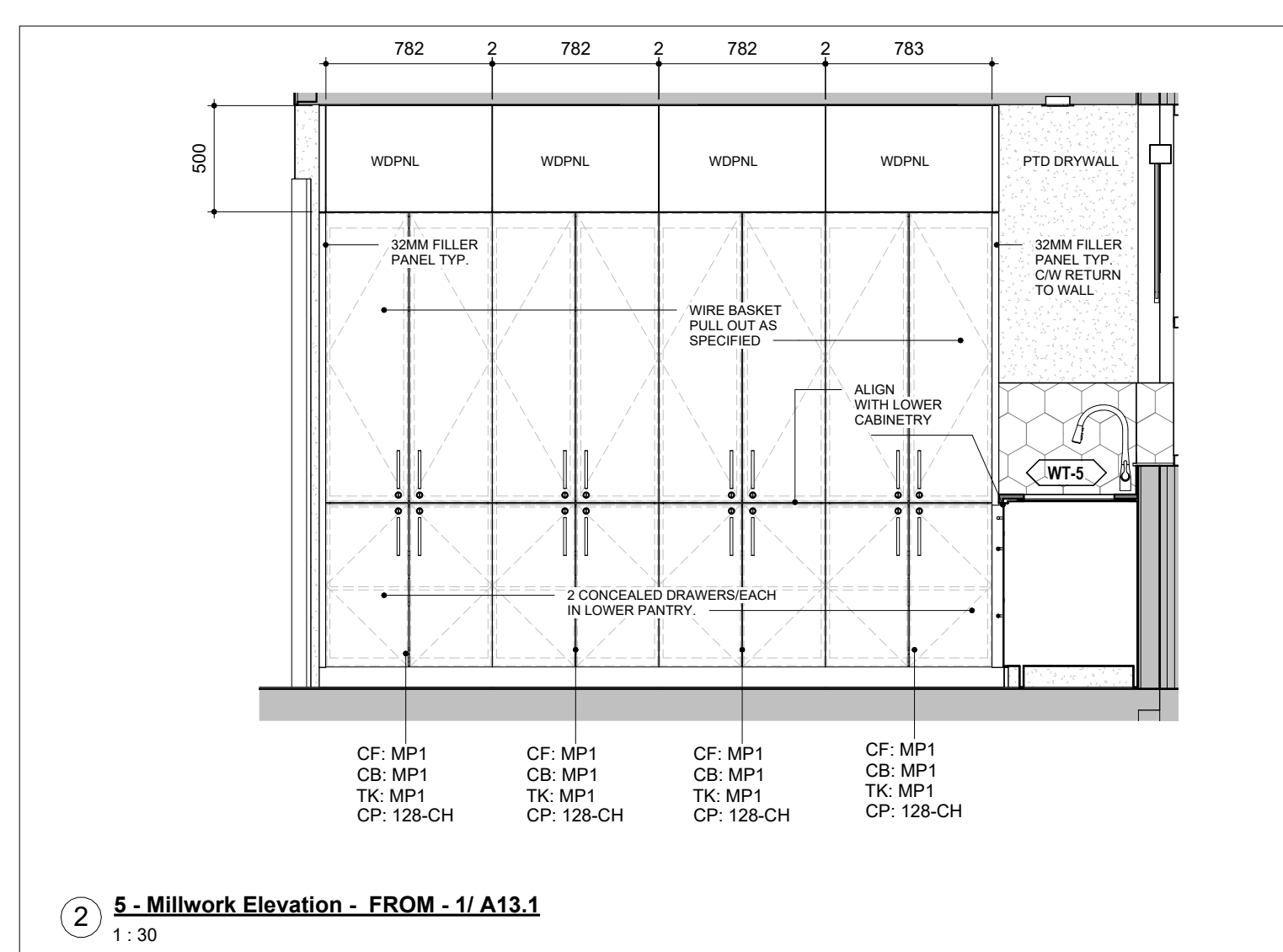
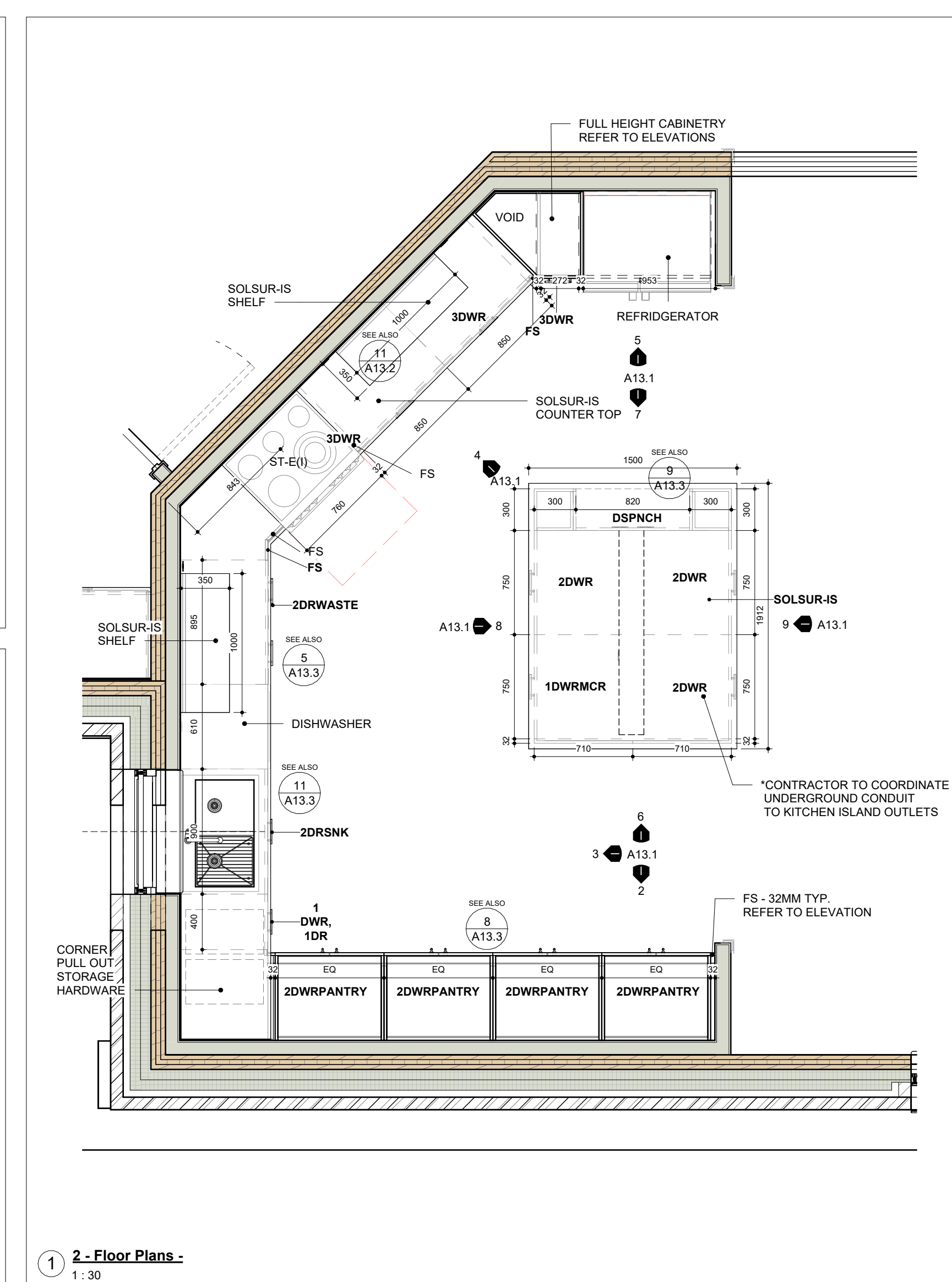
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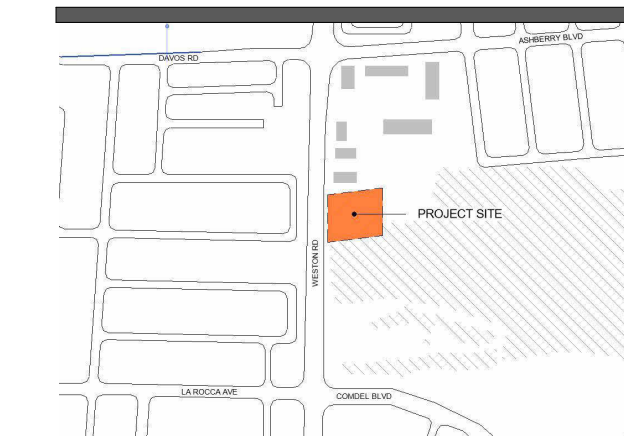
PROJECT No. 2104

DRAWING No. **A13.1** REVISION 26



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NO.	ISSUED FOR	DATE
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16	DD CLIENT REVIEW	2023-07-24
19	ISSUED FOR RFPQ	2023-10-19
24	ISSUED FOR CLASS A	2024-02-16
26	T24-253 - IFT	2024-04-15



FILE NO. SP.22.V.0191

CITY OF VAUGHAN FIRE STATION 7-12

9511 WESTON ROAD, VAUGHAN

PROJECT :

CLIENT :

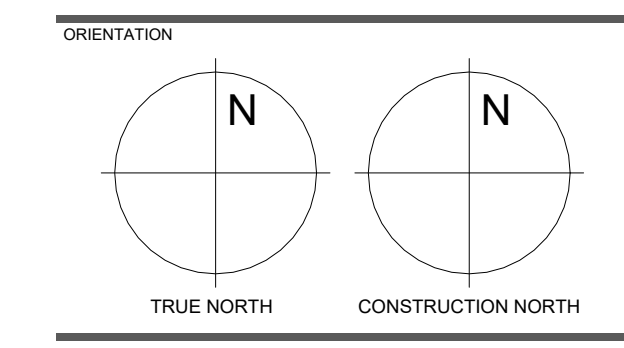


THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF THE WORK. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT.

ARCHITECT
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197 SPADINA AVENUE, SUITE 500 | TORONTO ONTARIO | M5T 2C8

PROFESSIONAL SEAL

MILLWORK PLANS AND ELEVATIONS & DETAILS



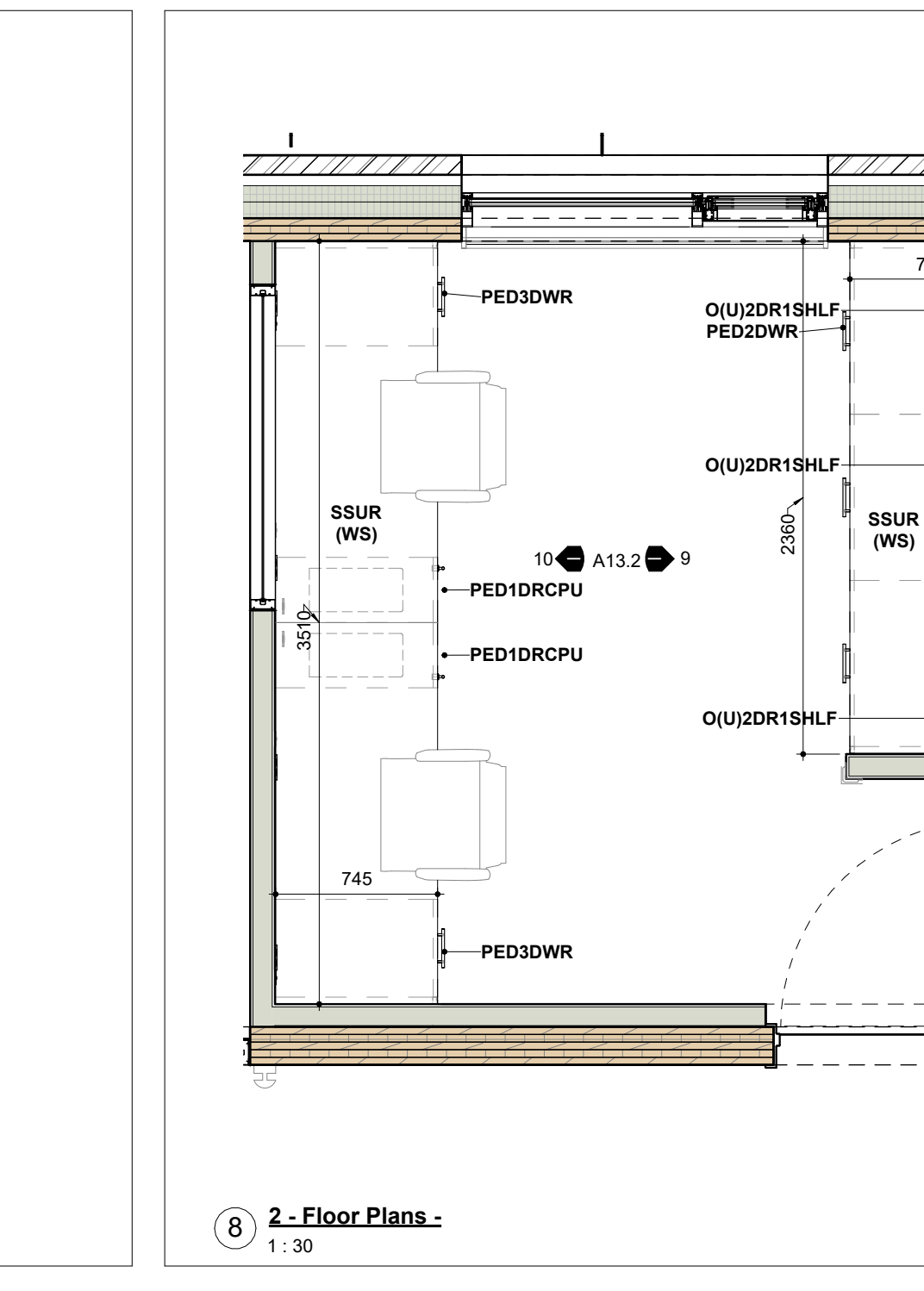
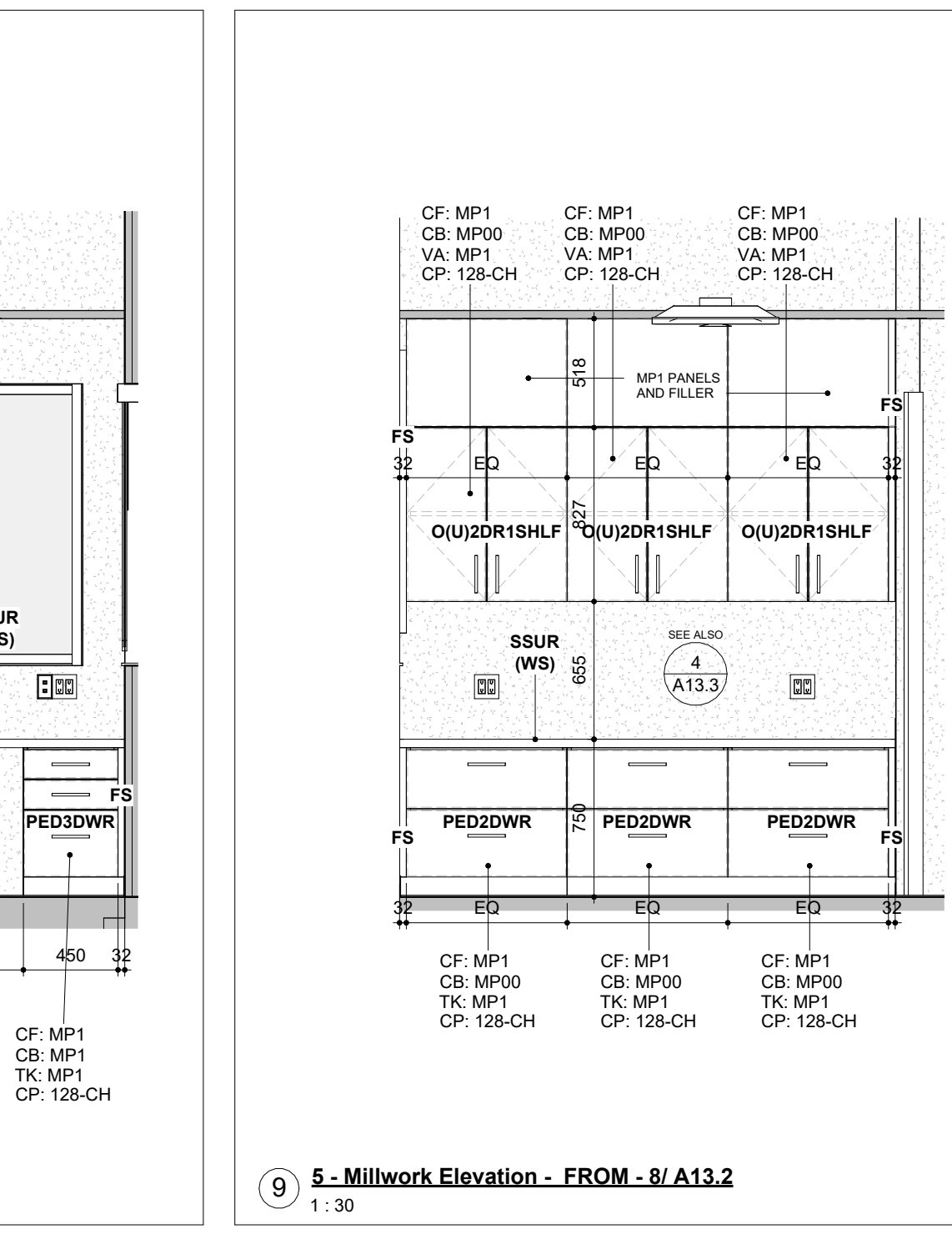
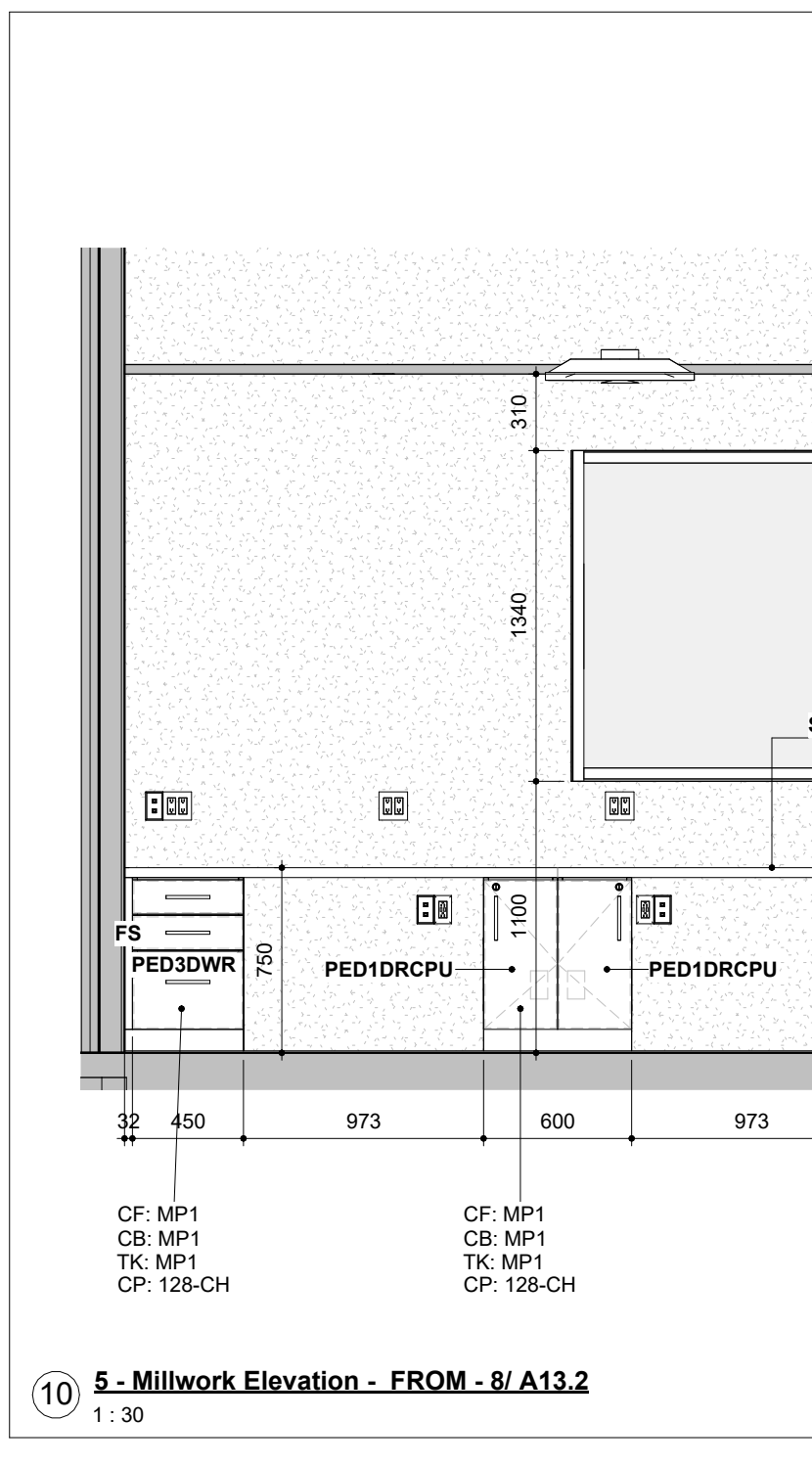
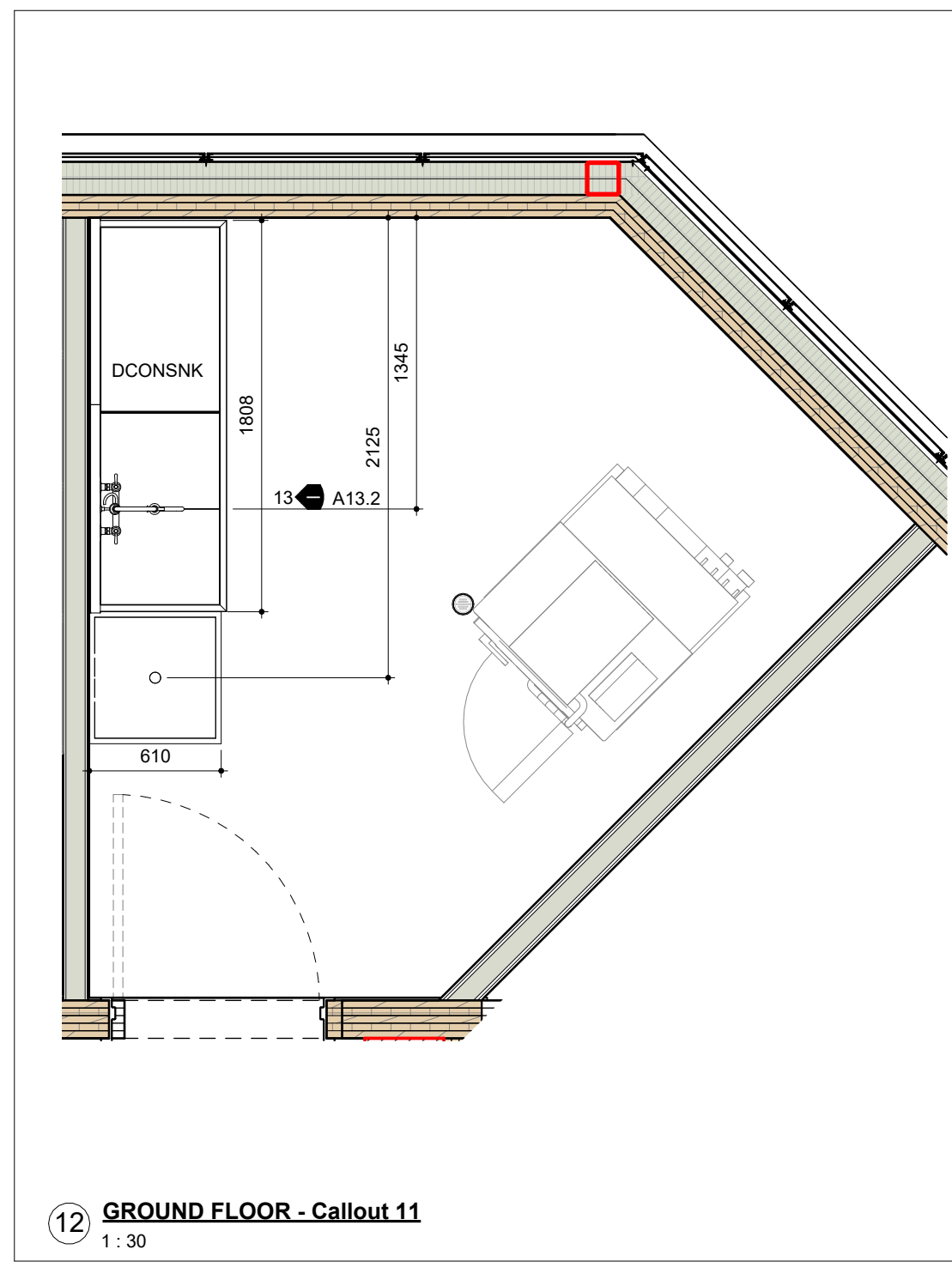
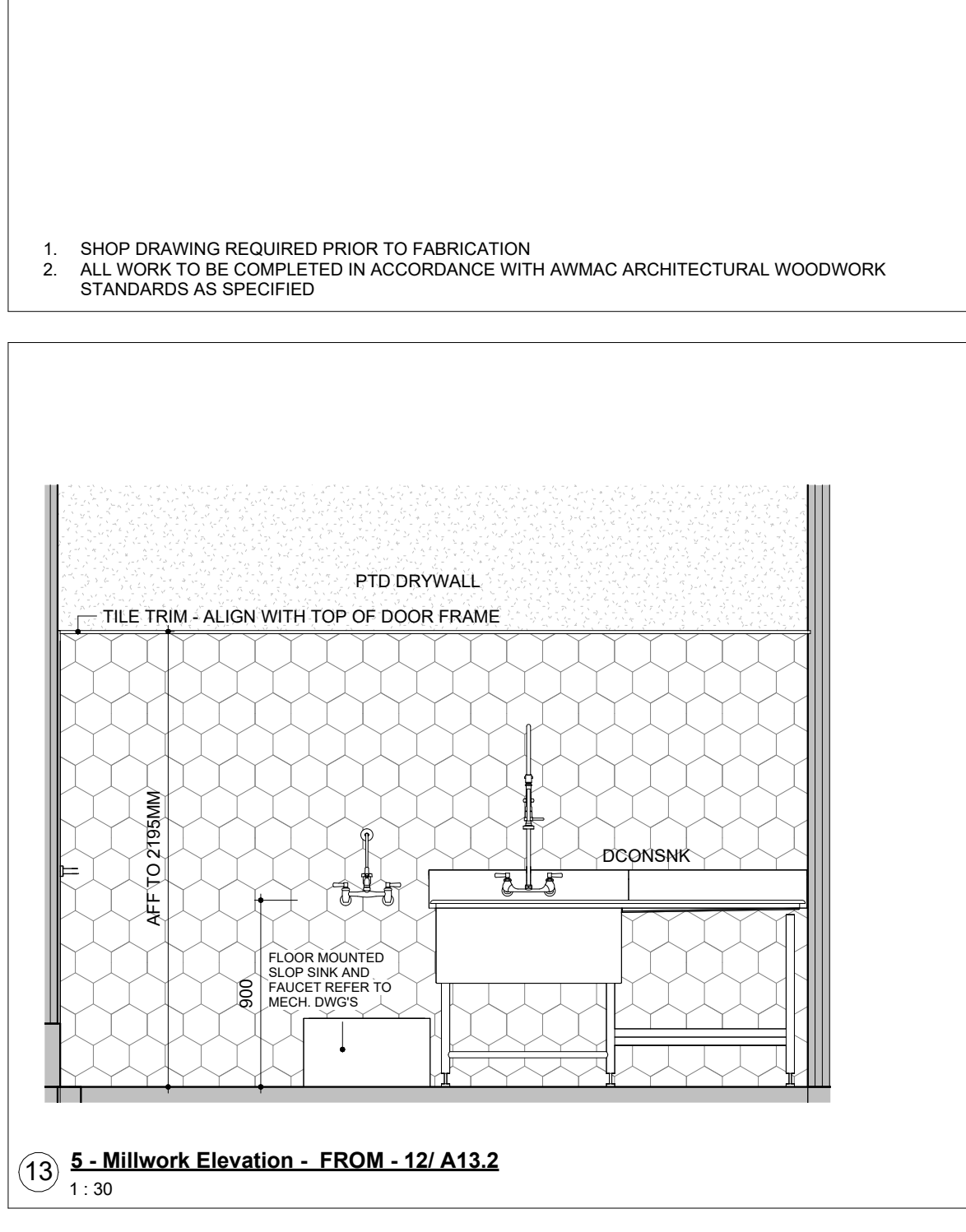
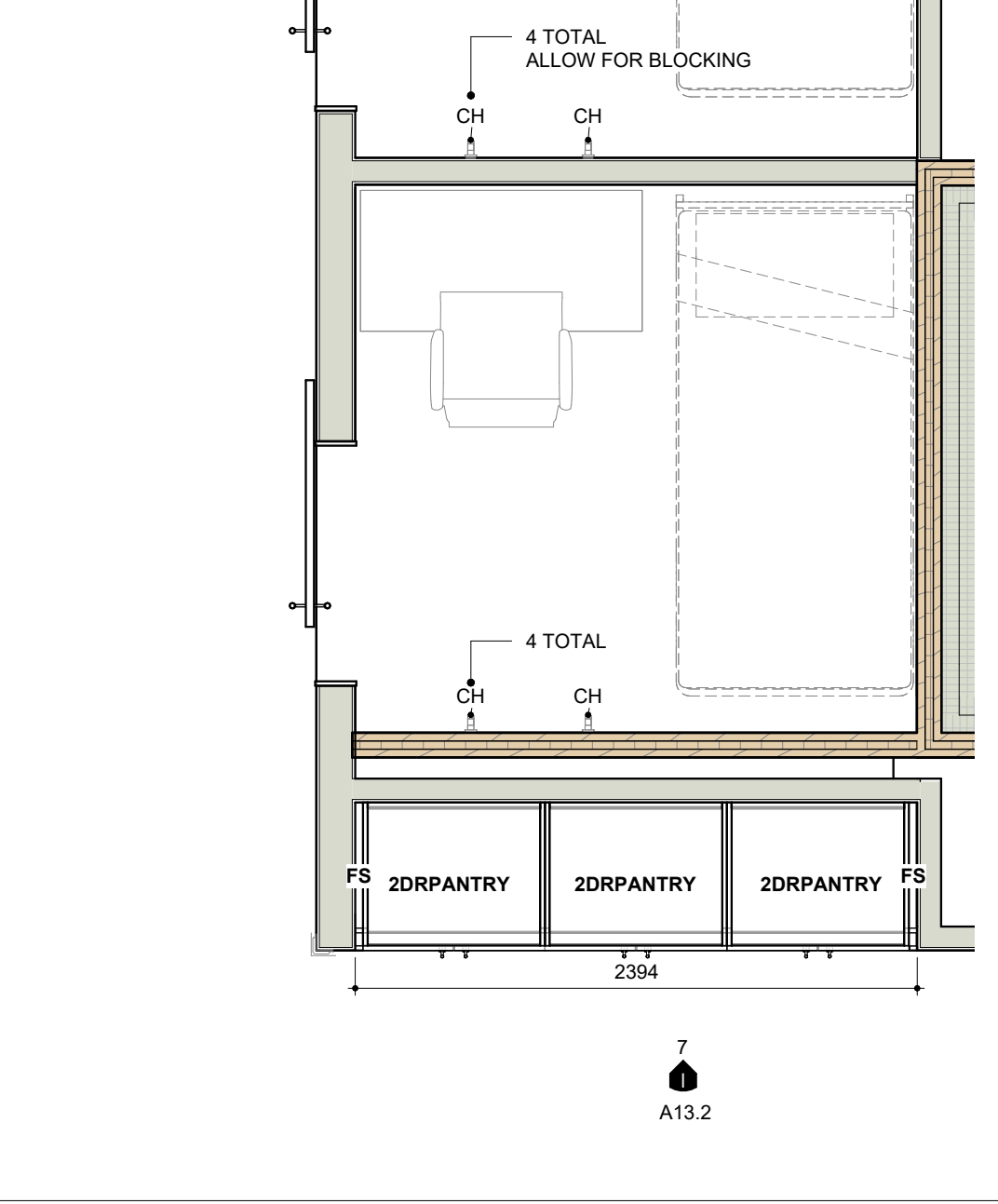
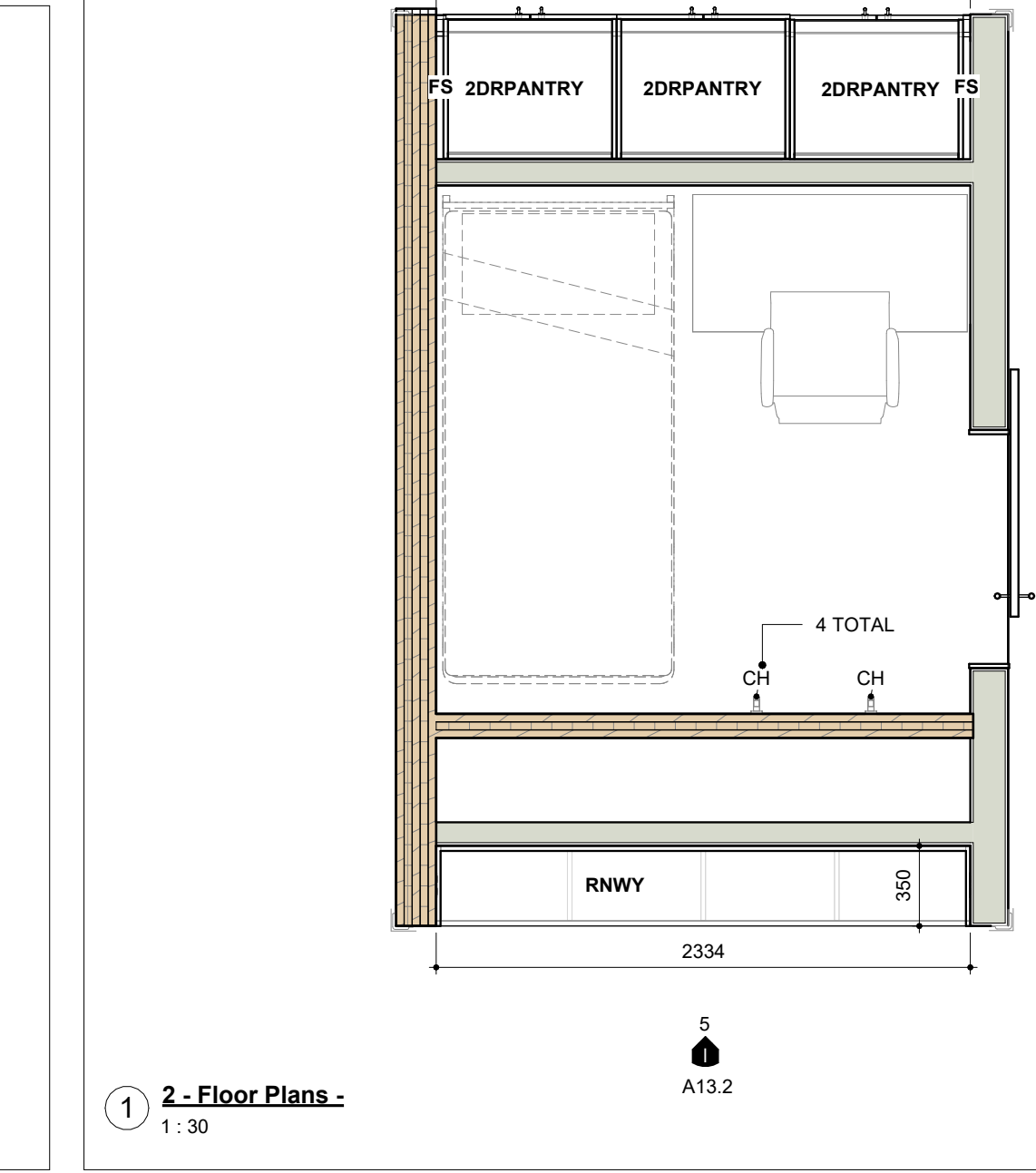
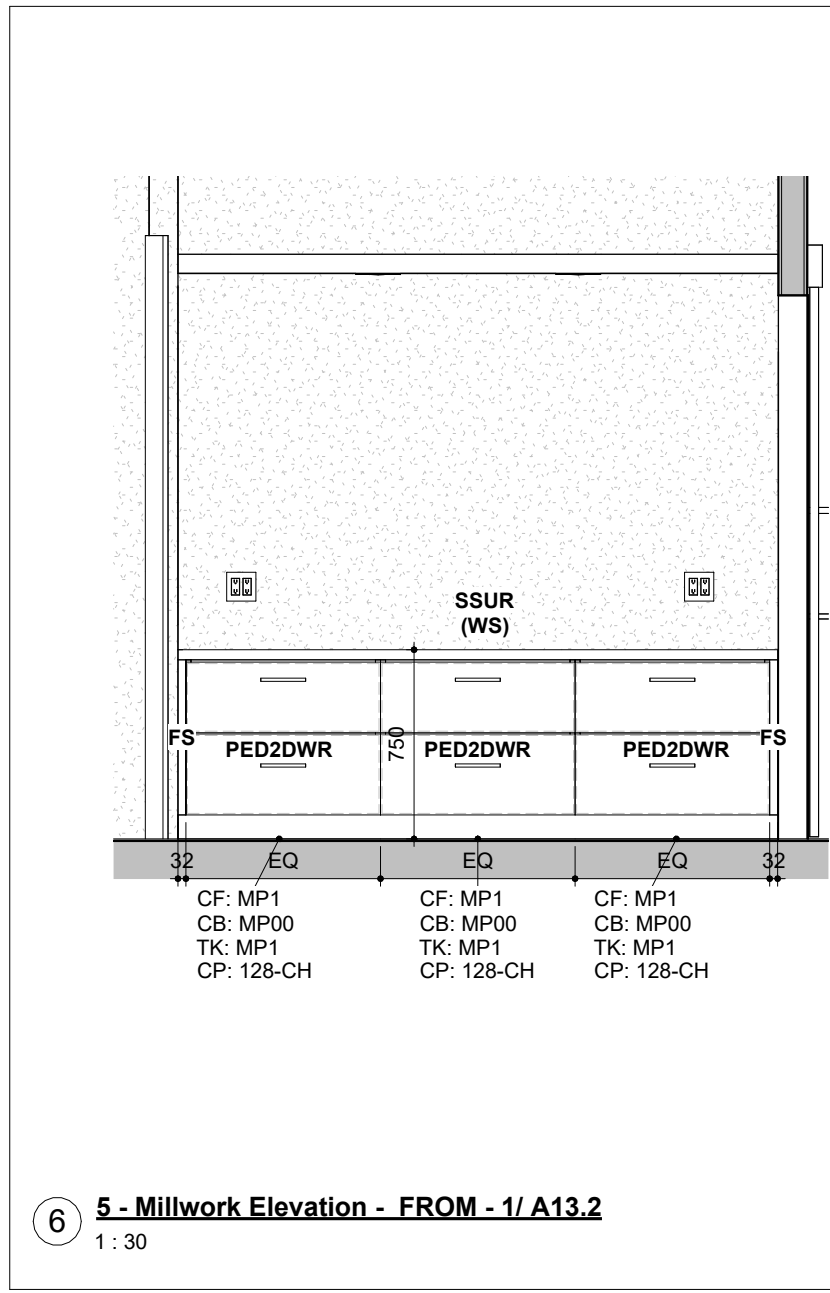
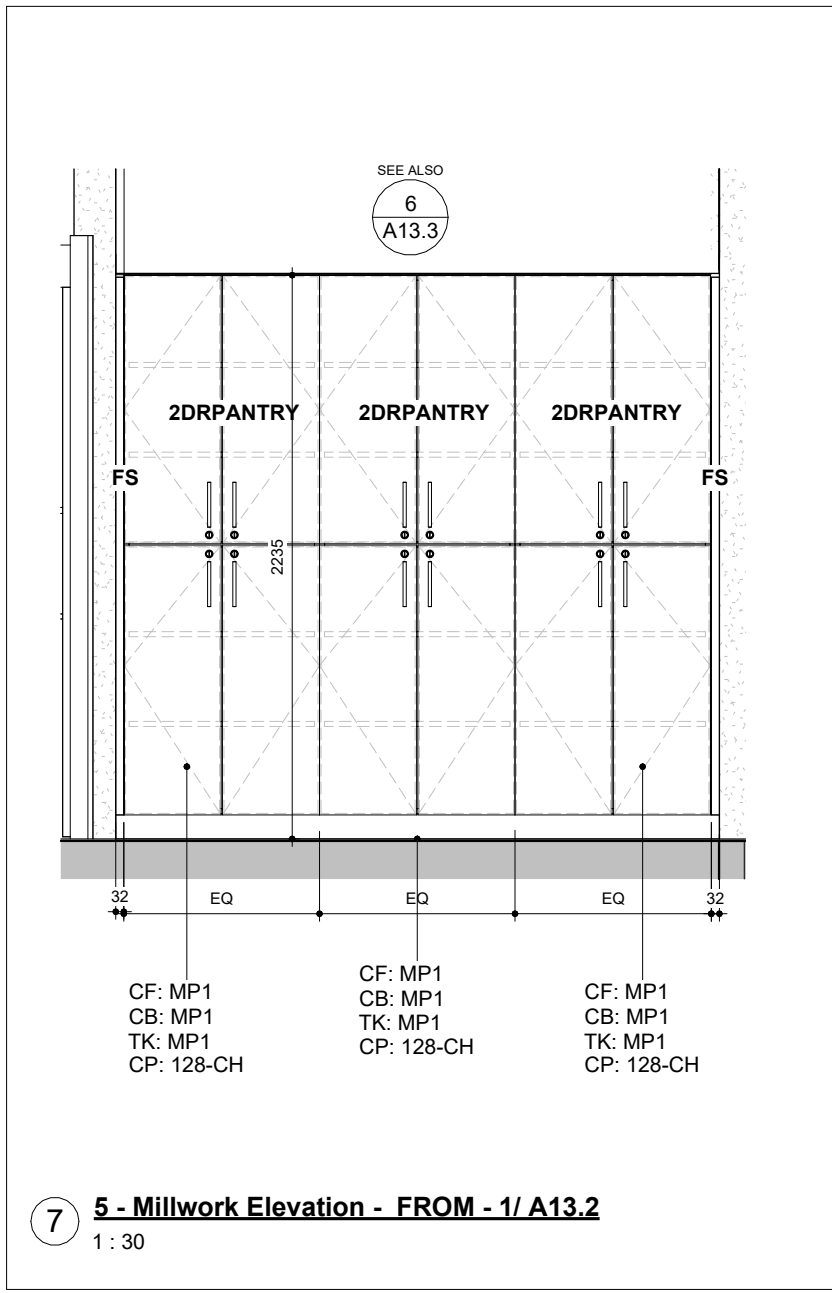
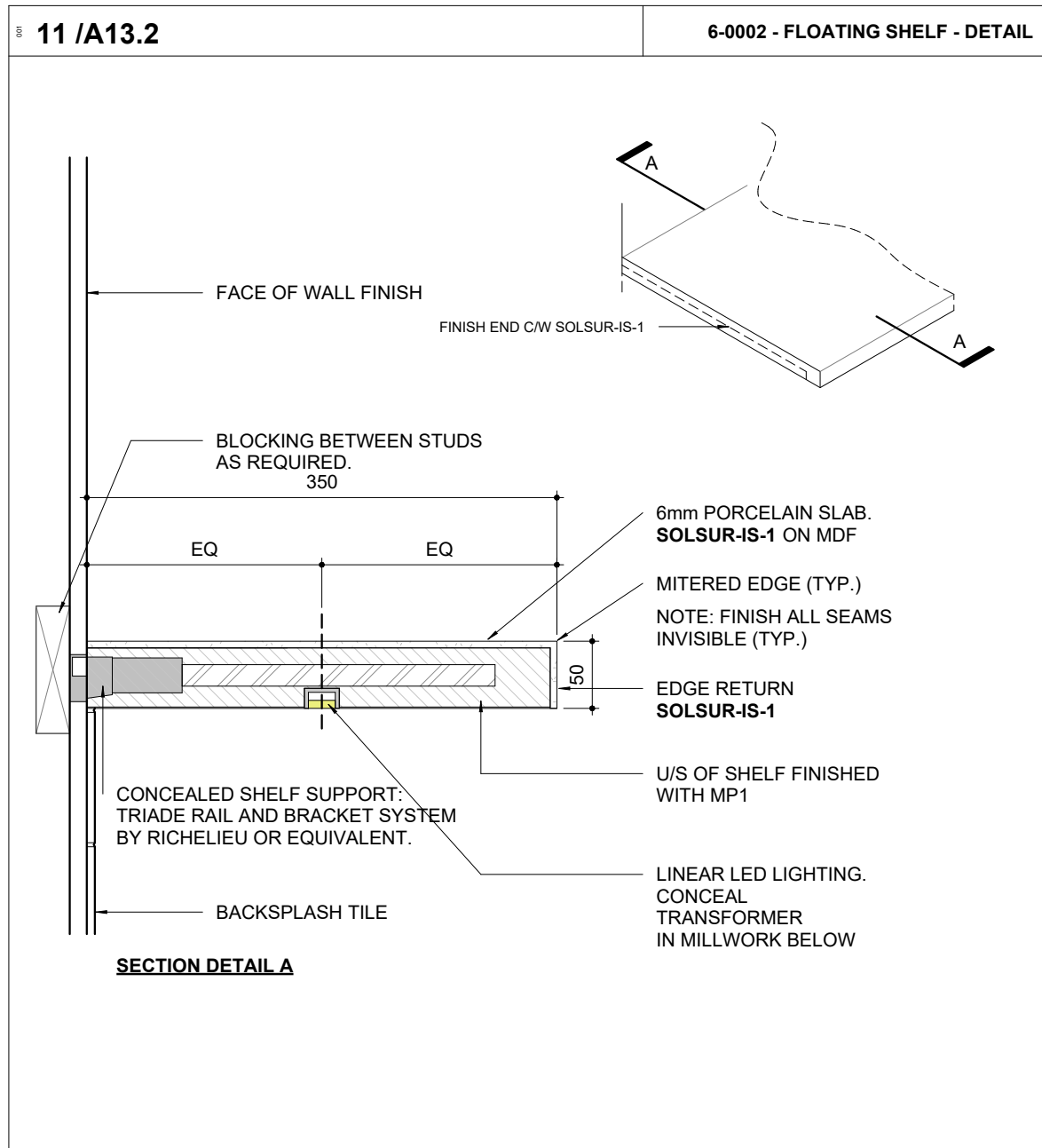
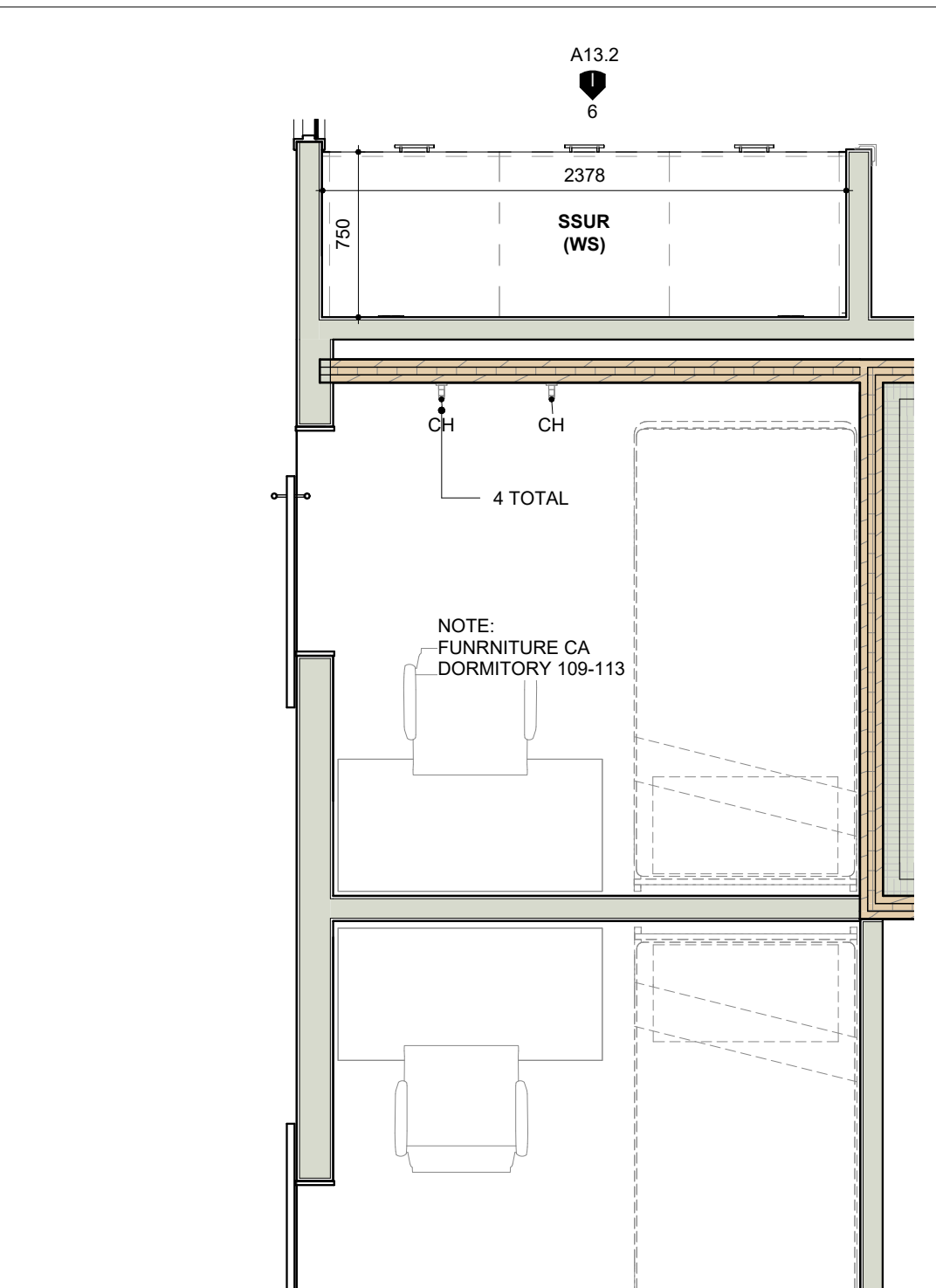
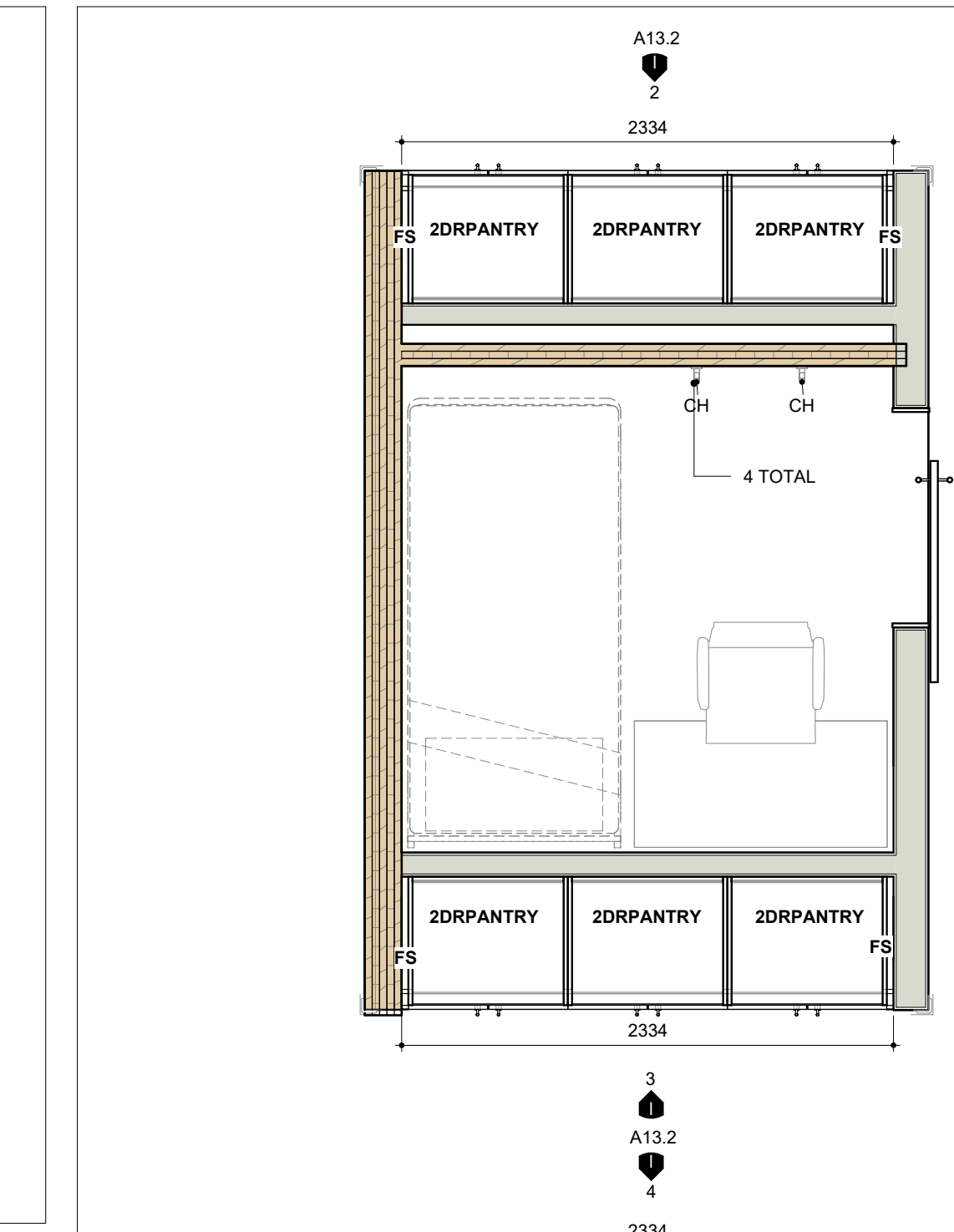
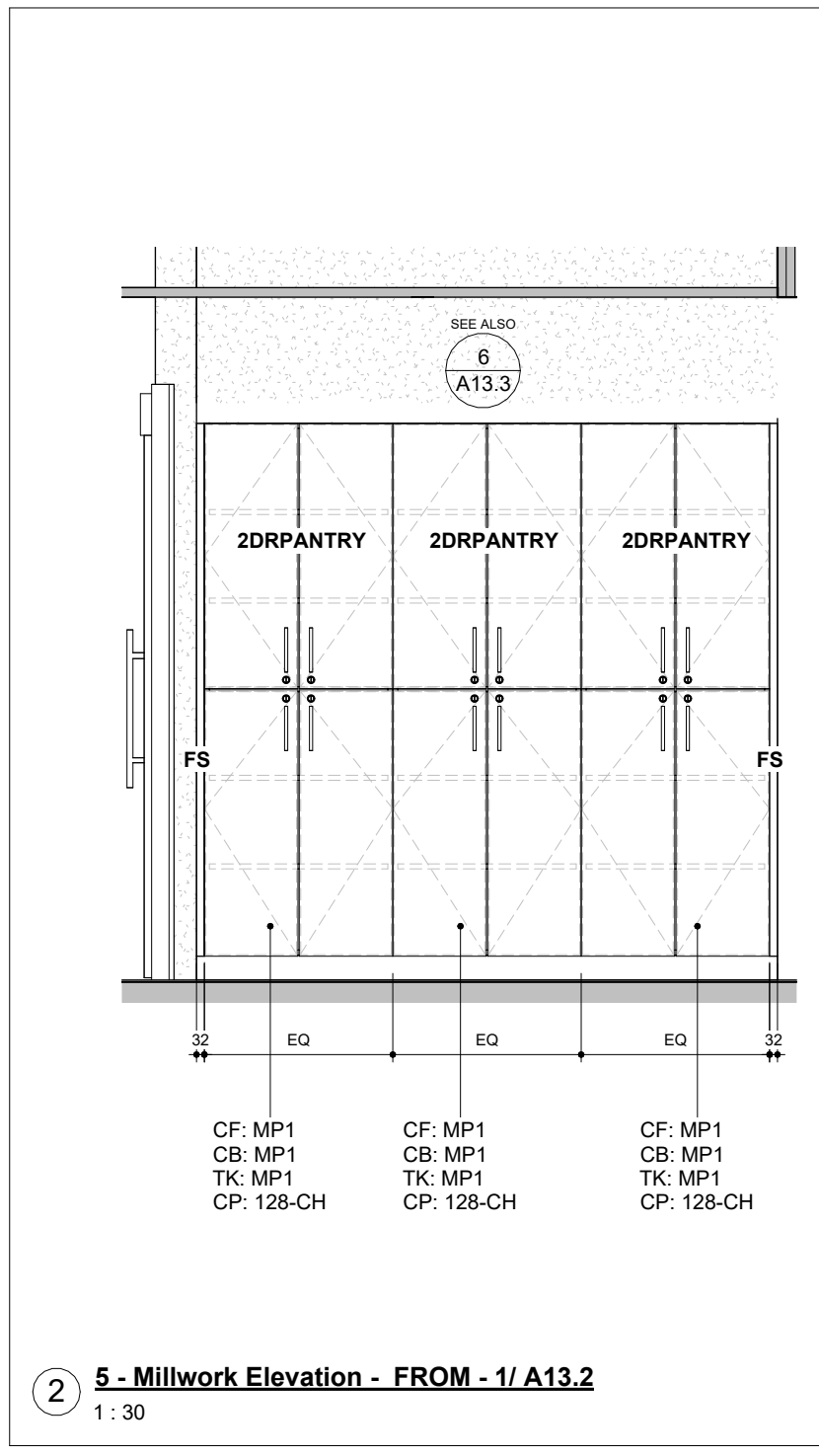
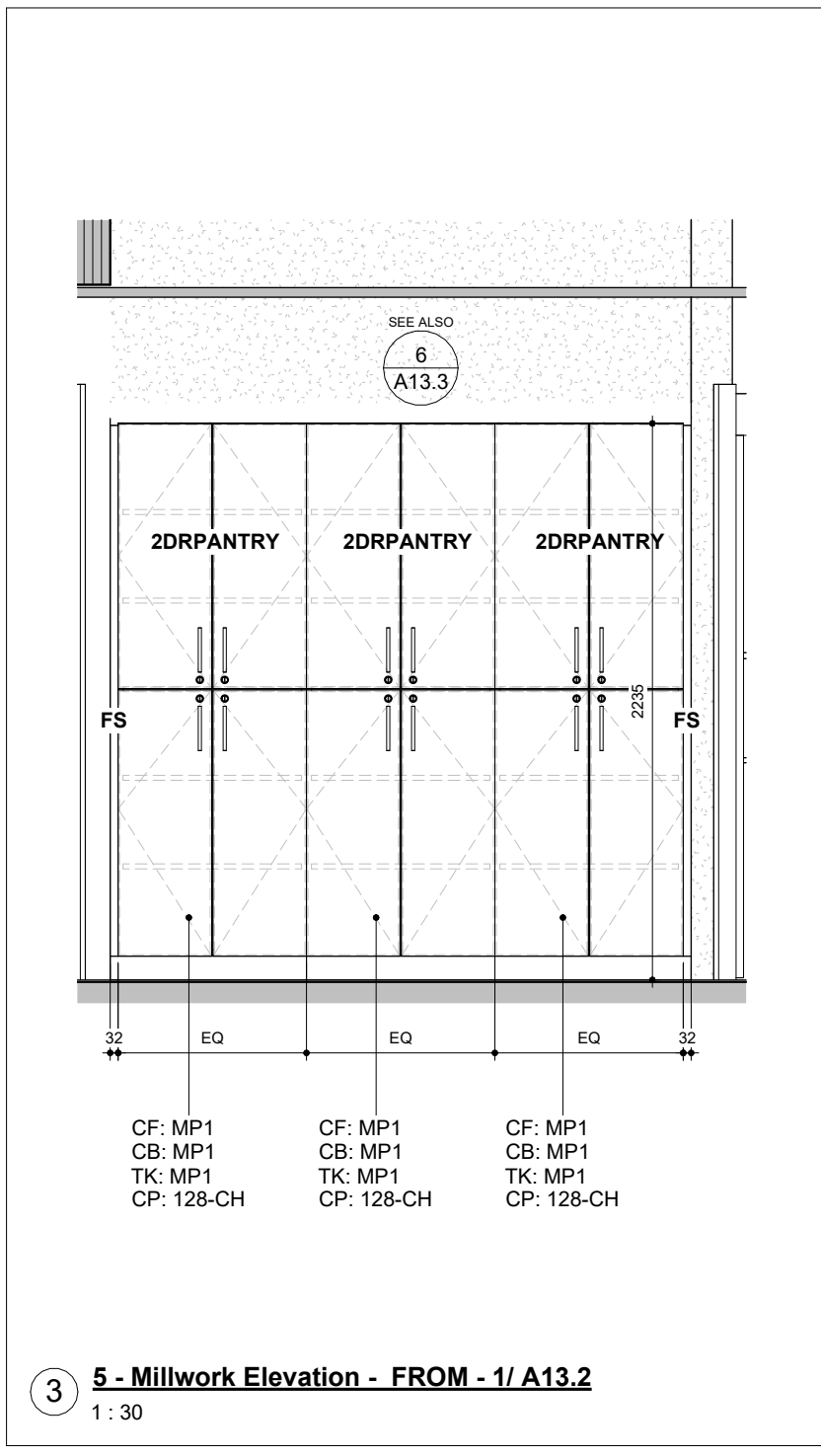
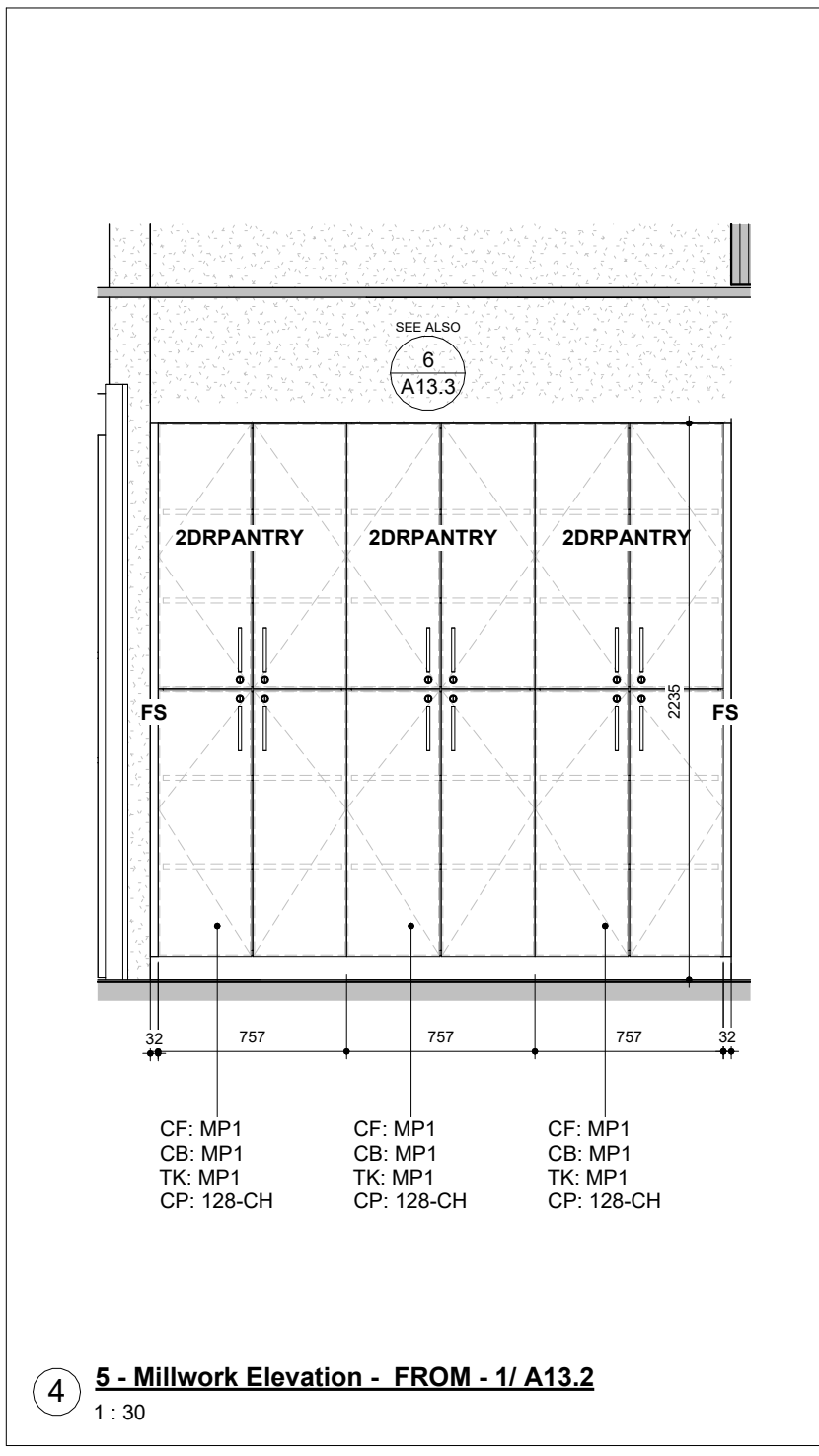
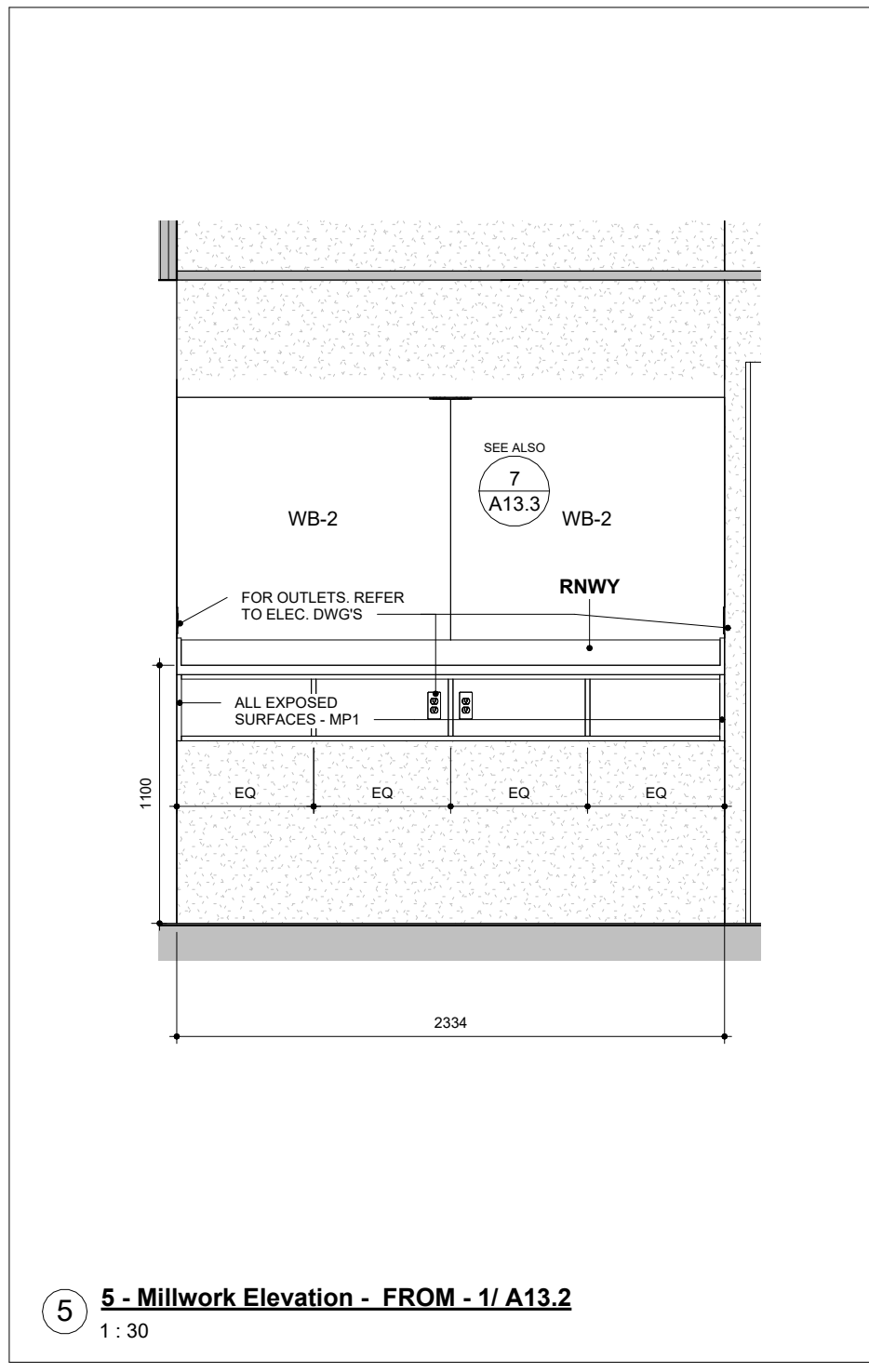
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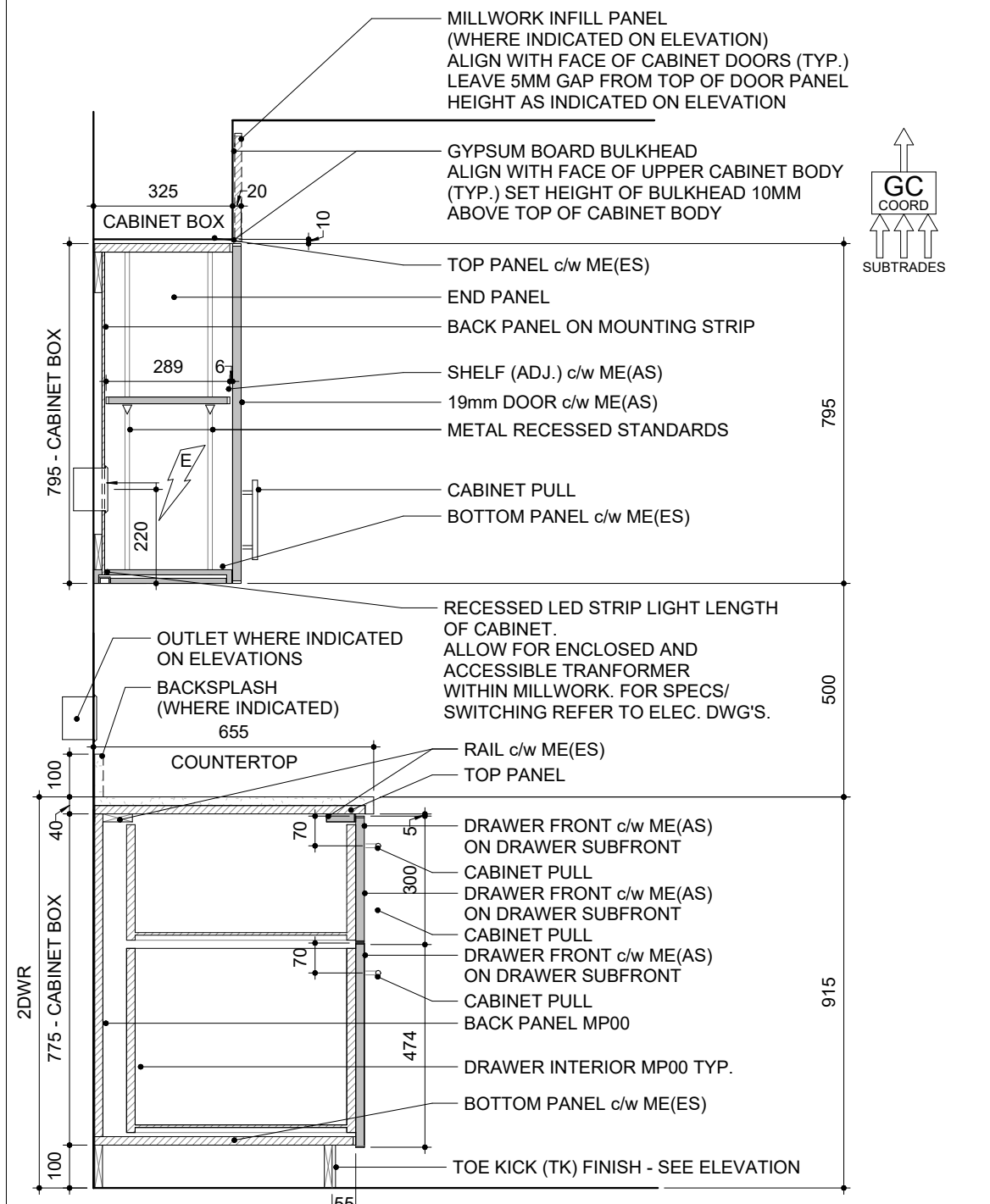
DWG STATUS: TENDER

PROJECT No: 2104

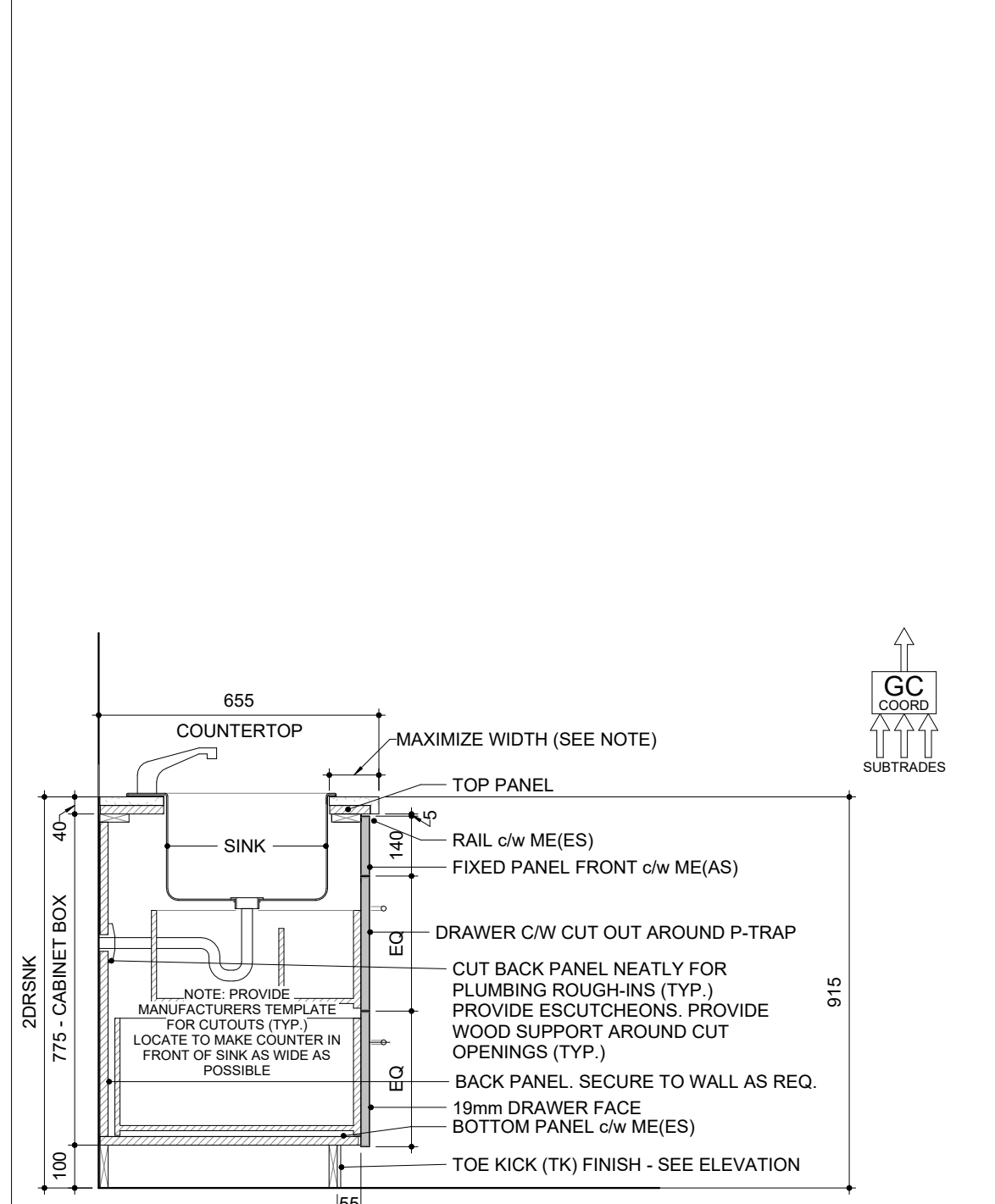
DRAWING No: **A13.2** REVISION: 26



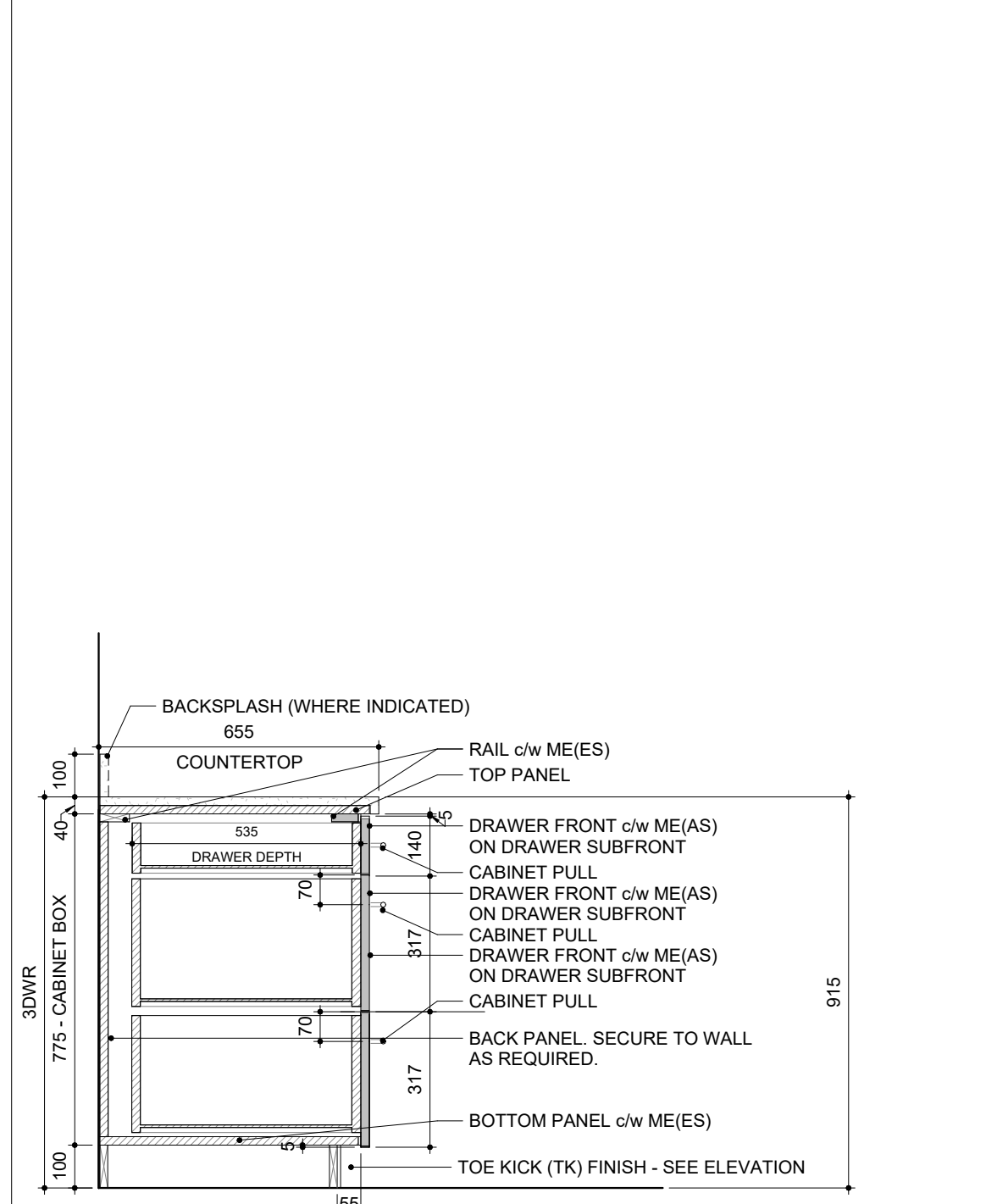
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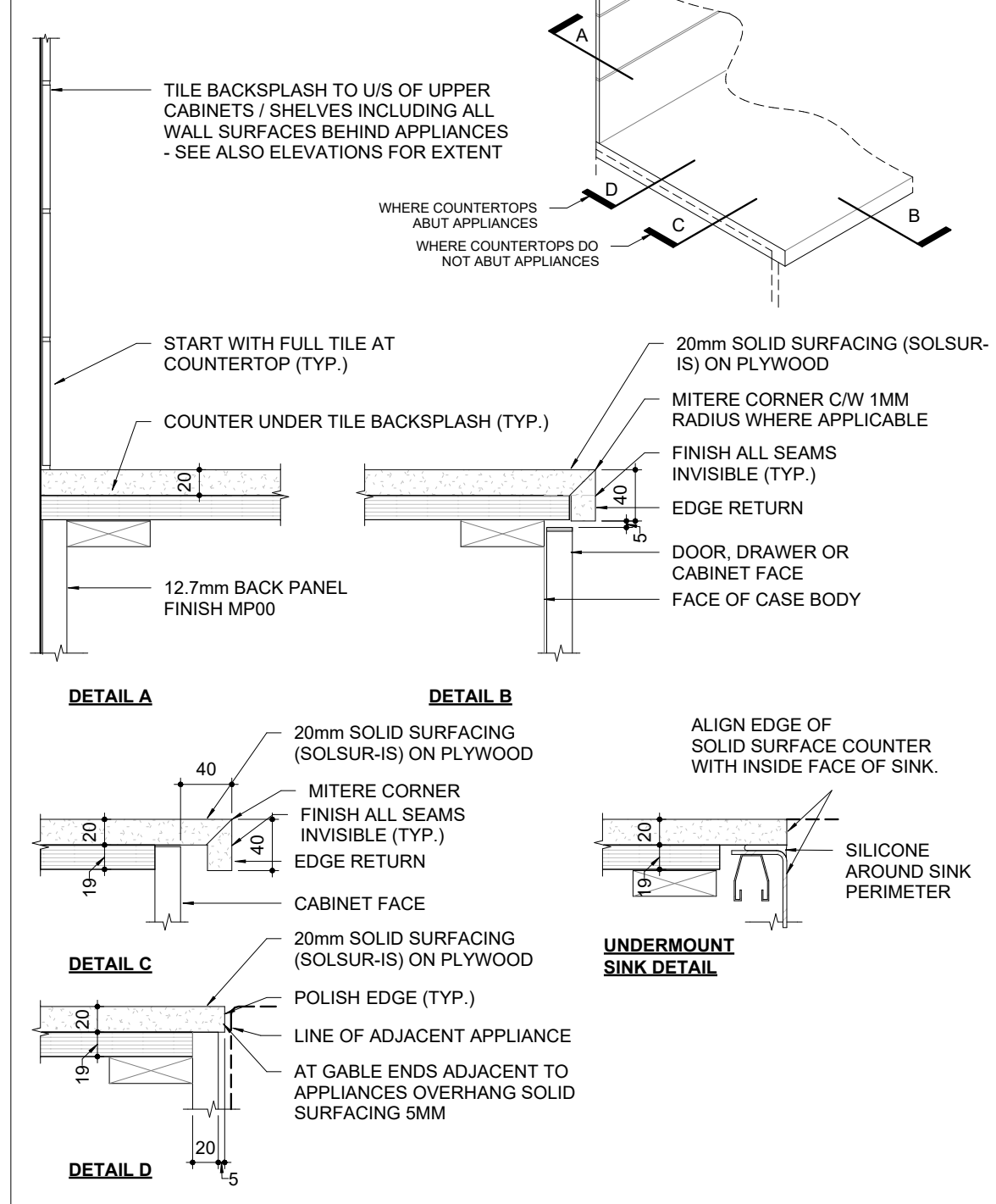
NOTES: 1. SHOP DRAWING REQUIRED PRIOR TO FABRICATION 2. THIS DETAIL TO BE READ IN CONJUNCTION WITH A700 GENERAL NOTES - MILLWORK



NOTES: 1. SHOP DRAWING REQUIRED PRIOR TO FABRICATION 2. THIS DETAIL TO BE READ IN CONJUNCTION WITH A700 GENERAL NOTES - MILLWORK

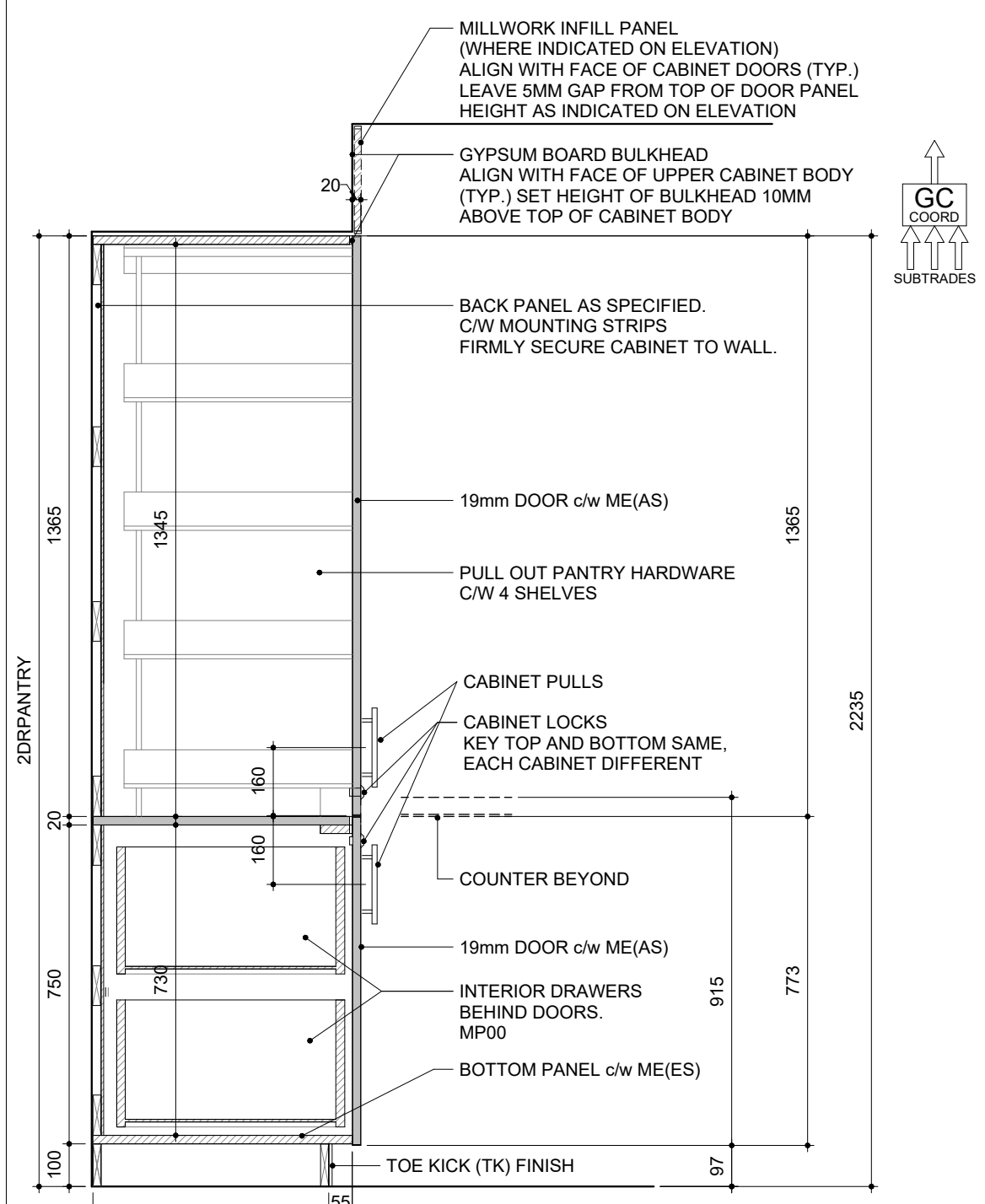


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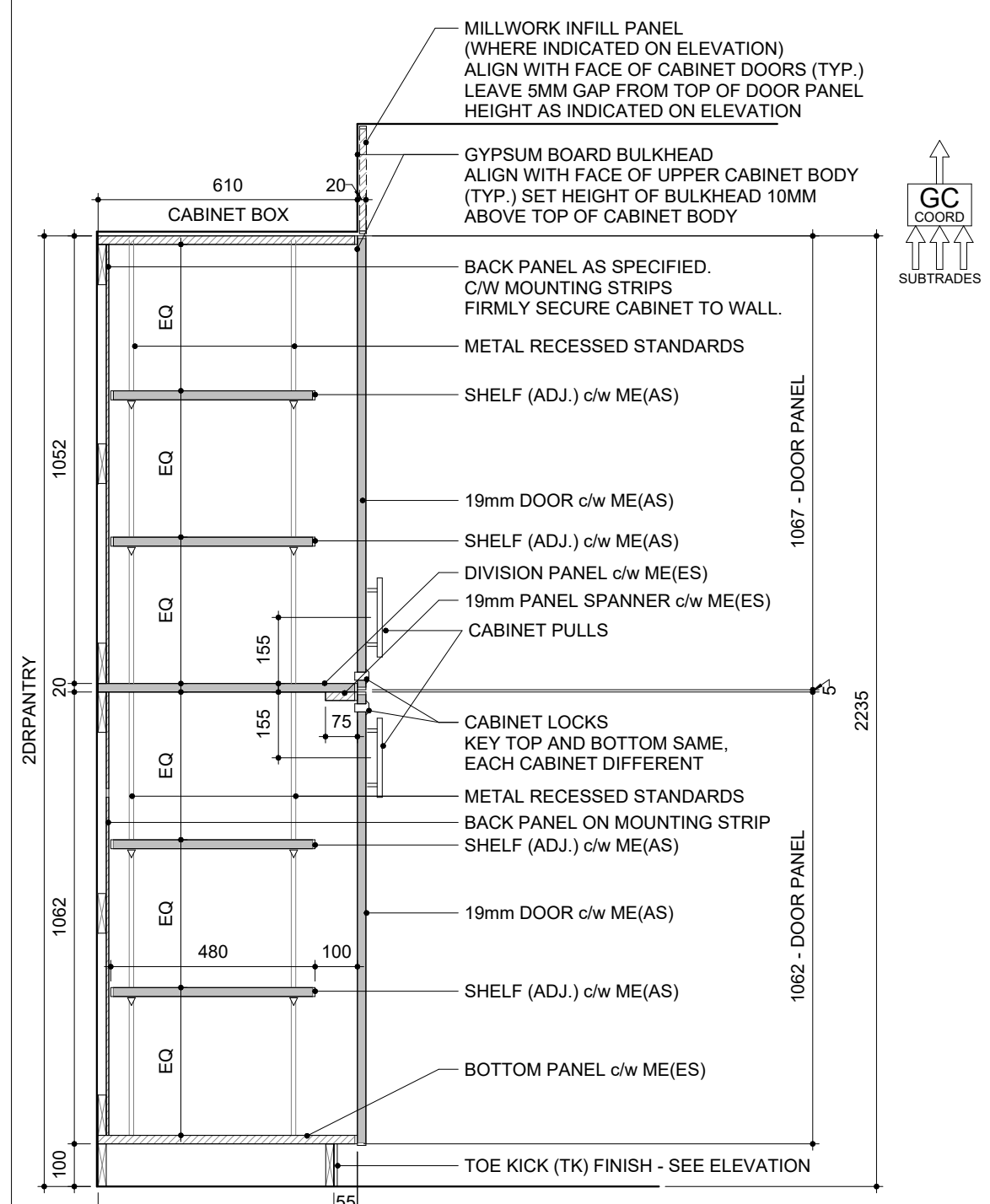


NOTES: 1. SHOP DRAWING REQUIRED PRIOR TO FABRICATION 2. ALL WORK TO BE COMPLETED IN ACCORDANCE WITH AWWAC ARCHITECTURAL WOODWORK STANDARDS AS SPECIFIED

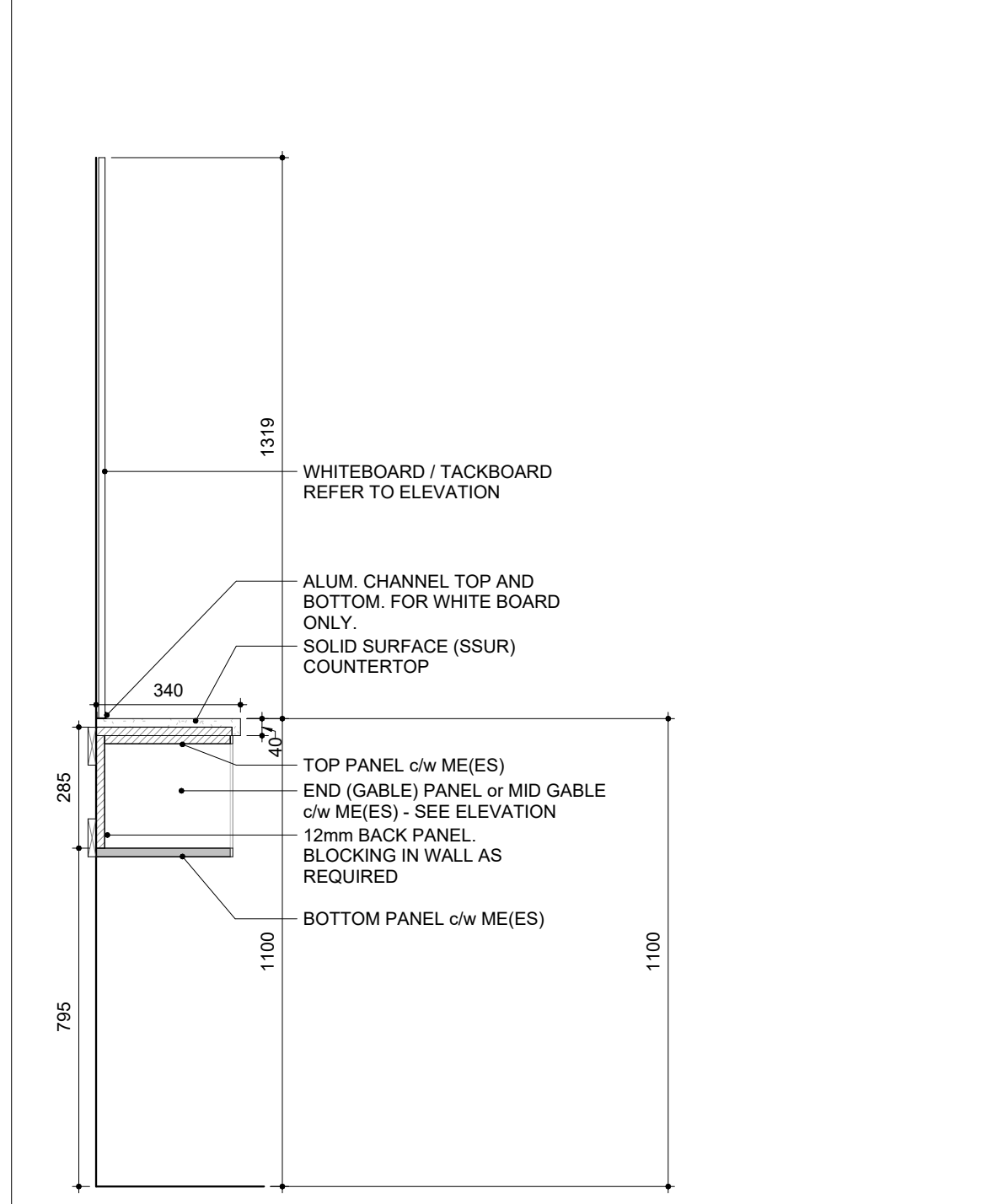
1. ALL ARCHITECTURAL WOODWORK SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE ARCHITECTURAL WOODWORK MANUFACTURERS ASSOCIATION OF CANADA (AWMAC) MANUAL - CURRENT EDITION...



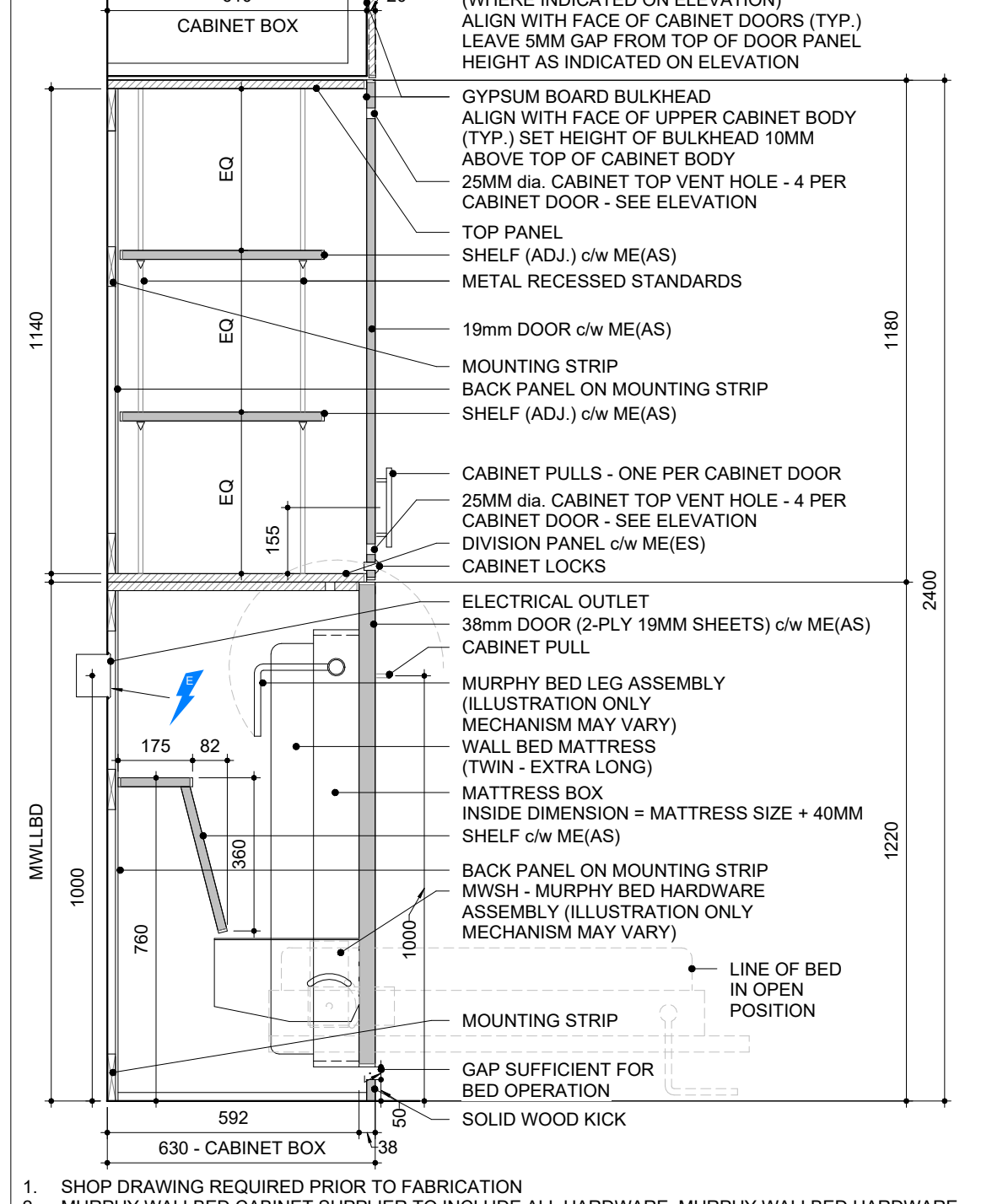
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NOTES: 1. SHOP DRAWING REQUIRED PRIOR TO FABRICATION 2. THIS DETAIL TO BE READ IN CONJUNCTION WITH A700 GENERAL NOTES - MILLWORK



NOTES: 1. SHOP DRAWING REQUIRED PRIOR TO FABRICATION 2. THIS DETAIL TO BE READ IN CONJUNCTION WITH A700 GENERAL NOTES - MILLWORK



NOTES: 1. SHOP DRAWING REQUIRED PRIOR TO FABRICATION 2. MURPHY WALLBED CABINET SUPPLIER TO INCLUDE ALL HARDWARE...

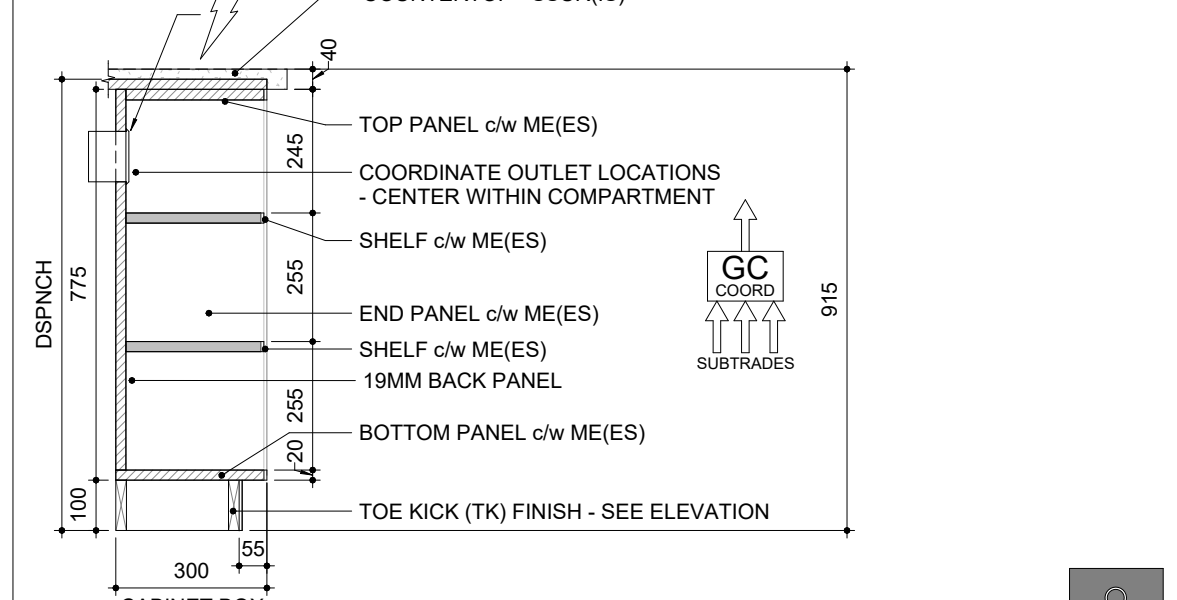
MILLWORK PANEL SCHEDULE NOTATION ON DRAWINGS MP00 - MELAMINE PANEL - GREY COLOUR FOR ALL CONCEALED INTERIORS...



NOTES: 1. SHOP DRAWING REQUIRED PRIOR TO FABRICATION 2. ALL WORK TO BE COMPLETED IN ACCORDANCE WITH AWWAC ARCHITECTURAL WOODWORK STANDARDS AS SPECIFIED



NOTES: 1. SHOP DRAWING REQUIRED PRIOR TO FABRICATION 2. THIS DETAIL TO BE READ IN CONJUNCTION WITH A700 GENERAL NOTES - MILLWORK



NOTES: 1. SHOP DRAWING REQUIRED PRIOR TO FABRICATION 2. THIS DETAIL TO BE READ IN CONJUNCTION WITH A700 GENERAL NOTES - MILLWORK

ISSUE OR REVISION table with columns for NO., ISSUED FOR, and DATE.



CITY OF VAUGHAN FIRE STATION 7-12 9511 WESTON ROAD, VAUGHAN



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ARCHITECT THOMASBROWNARCHITECTS

197 SPADINA AVENUE, SUITE 500 | TORONTO ONTARIO | M5T 2C8

PROFESSIONAL SEAL

DWG TITLE

MILLWORK DETAILS

ORIENTATION

DATE 2021-11-24

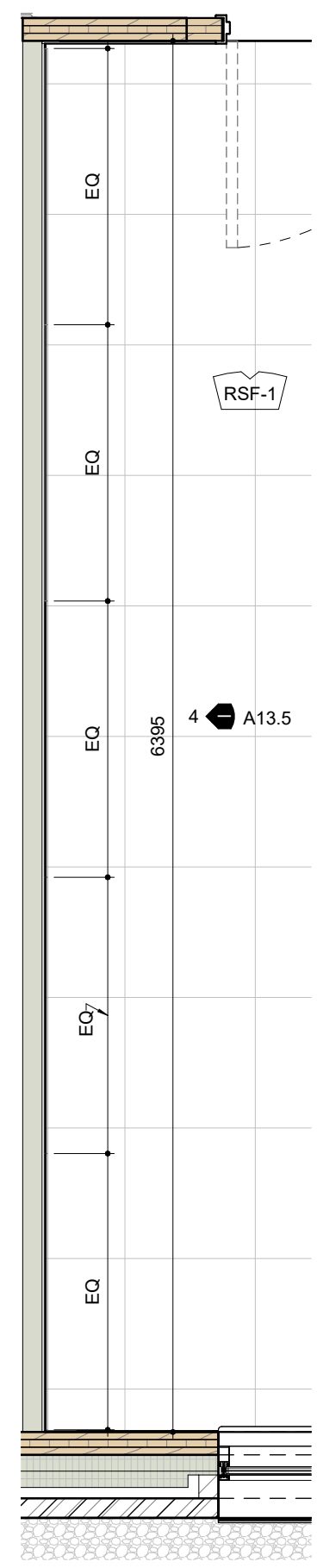
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TENDER

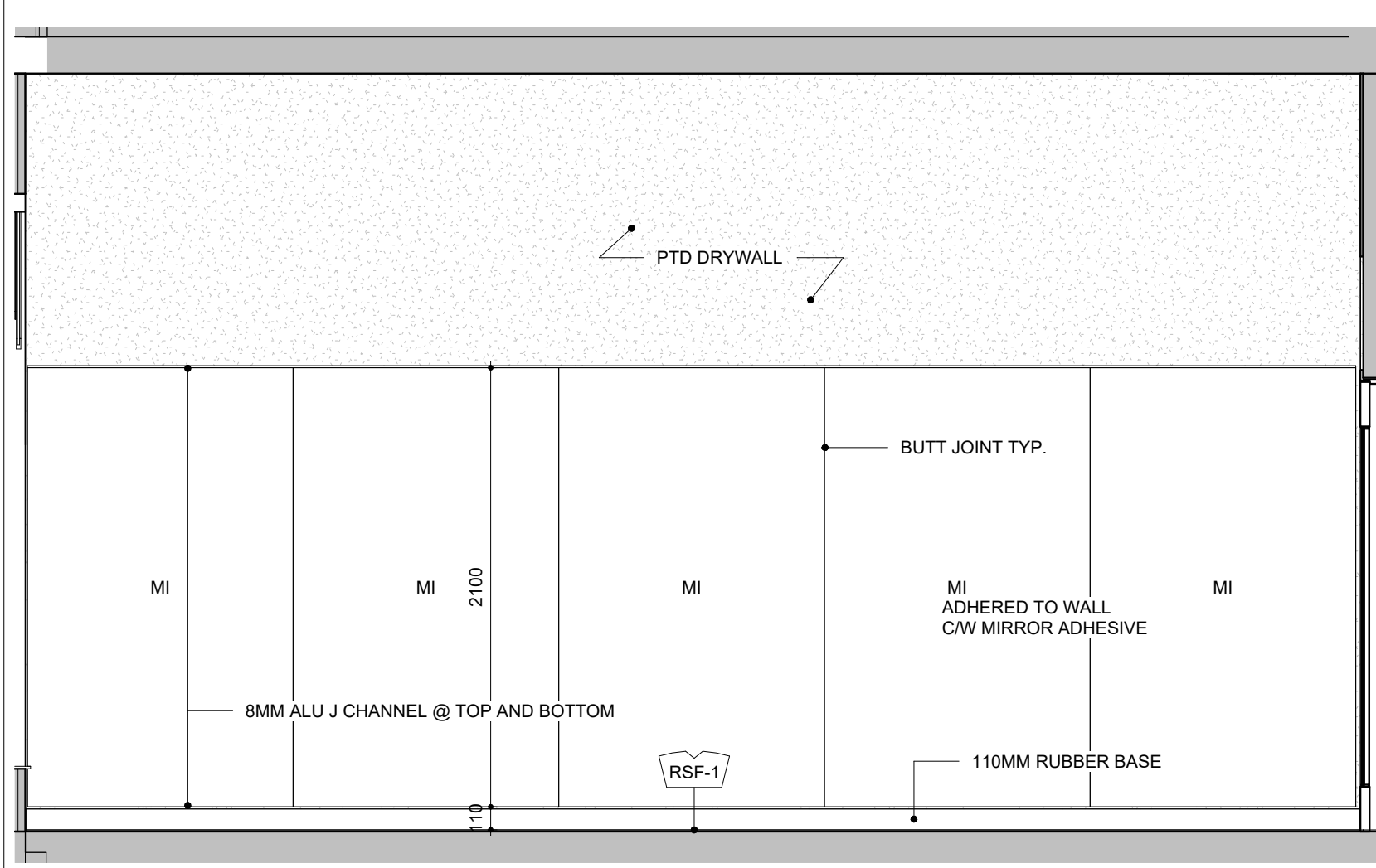
PROJECT No. 2104

DRAWING No. A13.3 REVISION 26

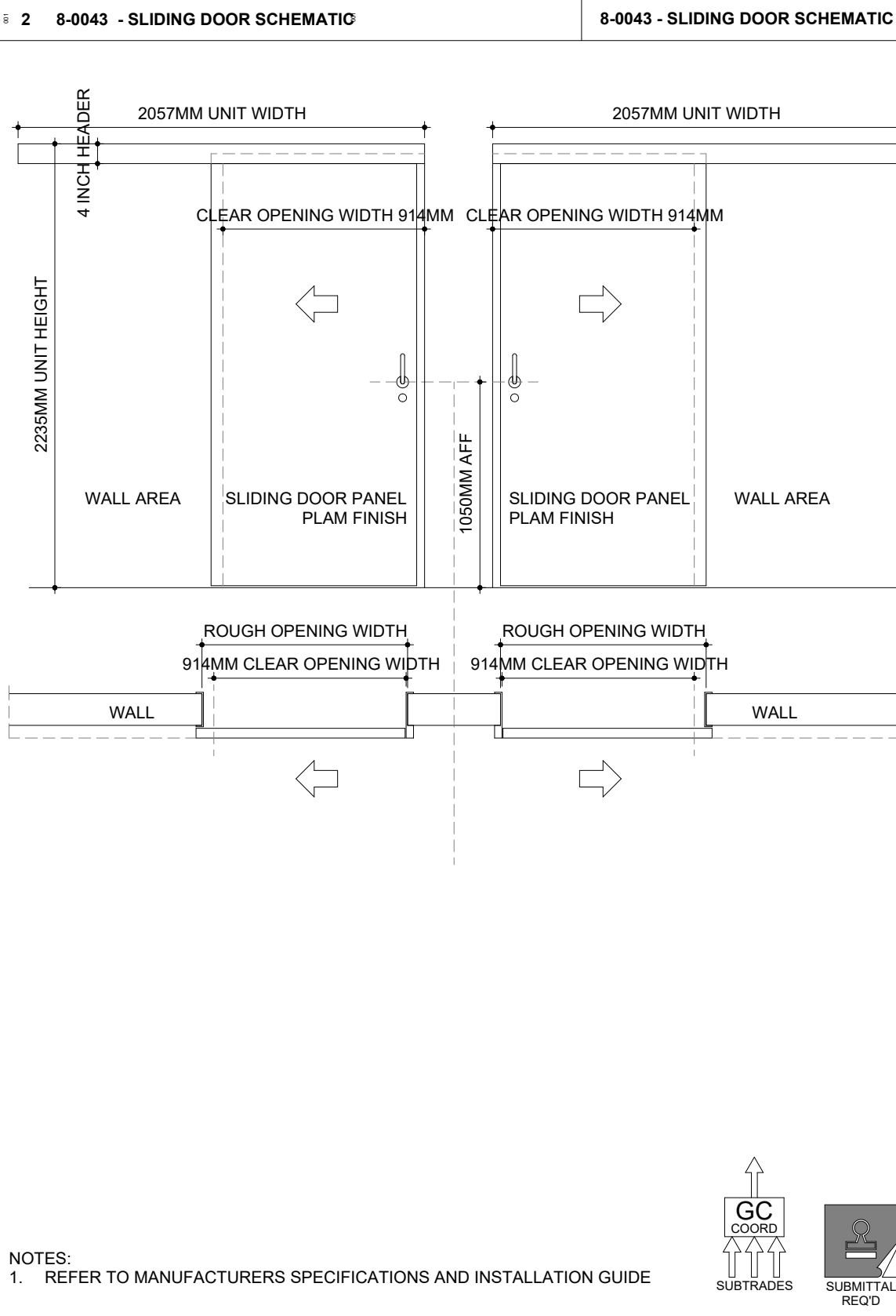
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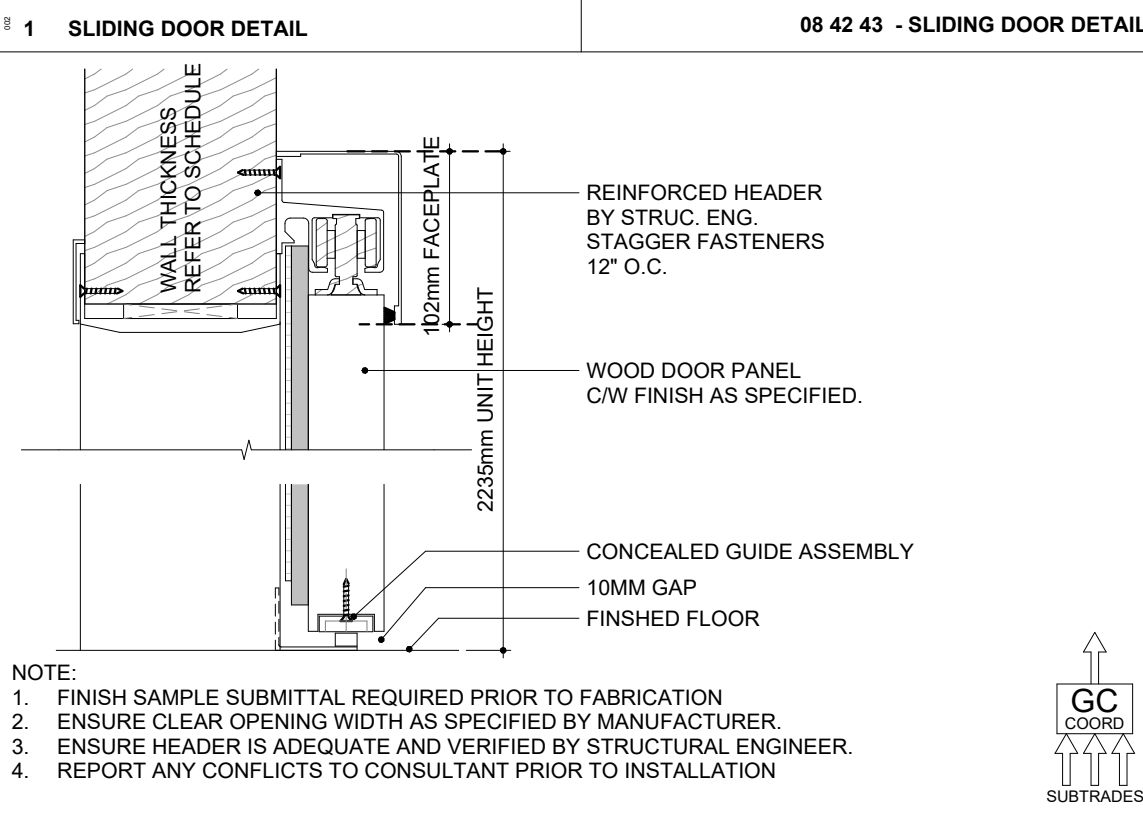
3 - Floor Finish Plans - FROM - 5/ A3.3
1:30



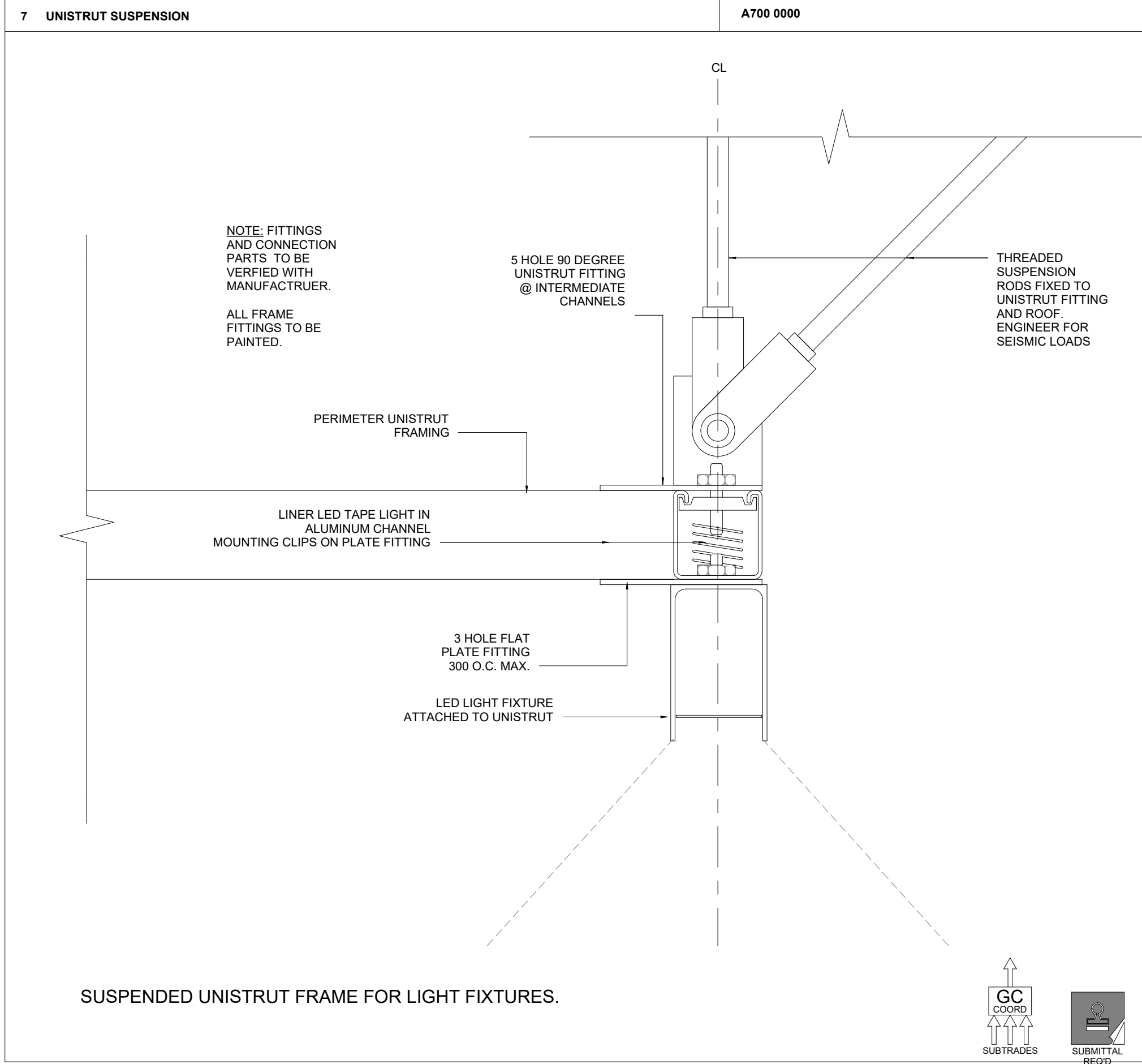
4 - Millwork Elevation - FROM - 3/ A13.5
1:30



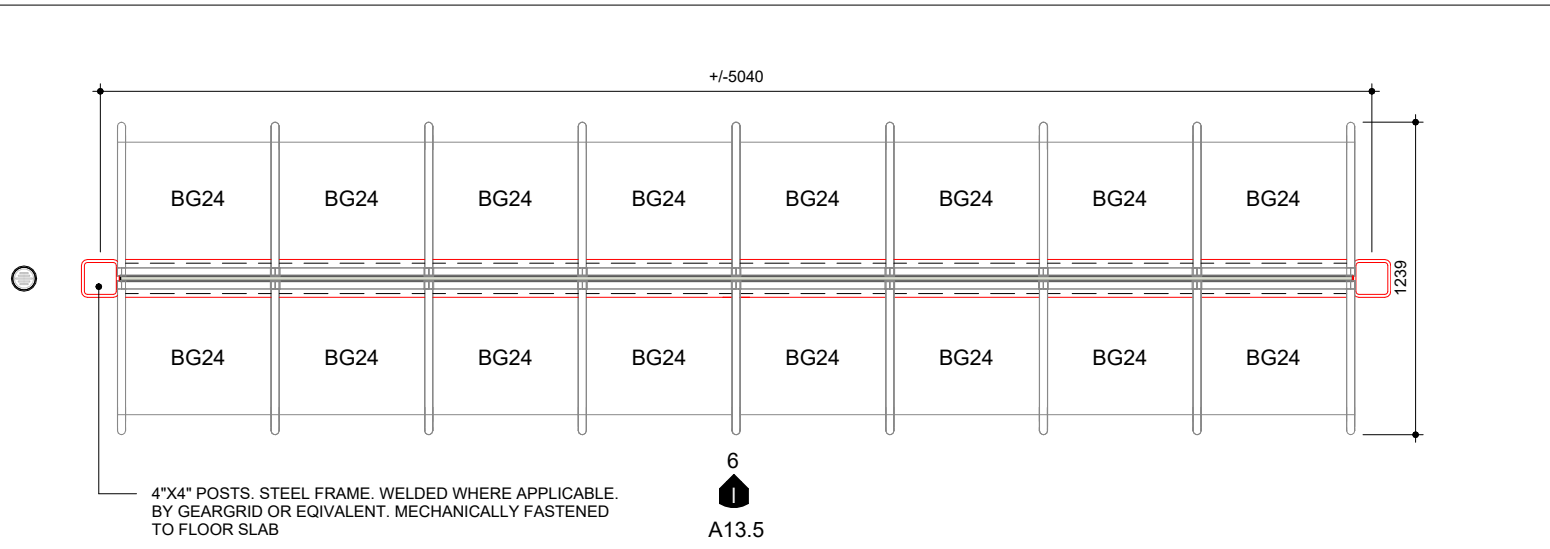
2 - 8-0043 - SLIDING DOOR SCHEMATIC
8-0043 - SLIDING DOOR SCHEMATIC



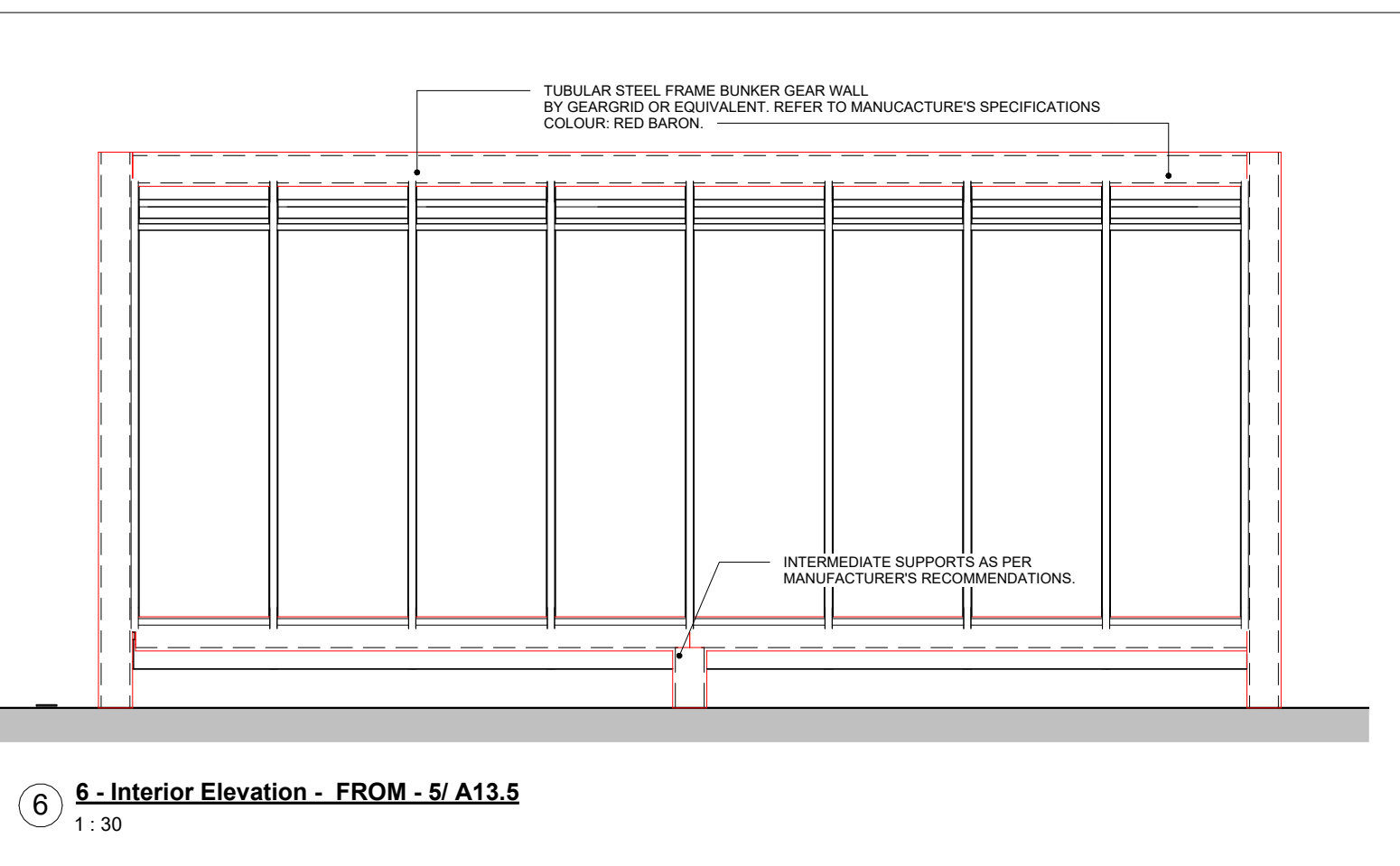
1 - SLIDING DOOR DETAIL
08 42 43 - SLIDING DOOR DETAIL



7 UNISTRUT SUSPENSION
A700 0000



2 - Floor Plans - FROM - 5/ A3.3
1:30



6 - Interior Elevation - FROM - 5/ A13.5
1:30

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NO.	ISSUED FOR	DATE
24	ISSUED FOR CLASS A	2024-02-16
26	T24-253 - IFT	2024-04-15



FILE NO. SP.22.V.0191

CITY OF VAUGHAN FIRE STATION 7-12

9511 WESTON ROAD, VAUGHAN

PROJECT :

CLIENT :



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ARCHITECT
THOMASBROWNARCHITECTS
197 SPADINA AVENUE, SUITE 500 | TORONTO ONTARIO | M5T 2C8

Approval to Proceed

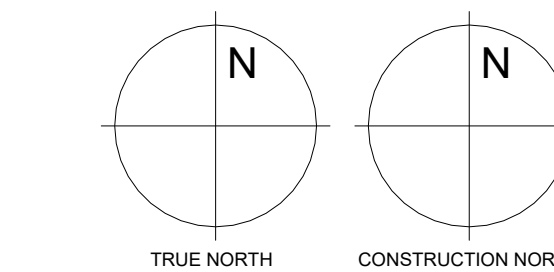
Project Phase

Authorization (signature)

DWG TITLE

MISCELLANEOUS
DETAILS

ORIENTATION



DATE 2021-11-24

SCALE As indicated DRAWN BY Author

DWG STATUS: TENDER

PROJECT No. 2104

DRAWING No. **A13.5** REVISION 26

2024-04-19 10:51:03 AM

NO.	ISSUED FOR	DATE
12	2022 UPDATE	2022-12-20
16	DD CLIENT REVIEW	2023-07-24
18	ISSUED FOR PERMIT	2023-09-15
19	ISSUED FOR RFPQ	2023-10-19
24	ISSUED FOR CLASS A	2024-03-18
26	T24-253 - IFT	2024-04-15



FILE NO. SP.22.V.0191

CITY OF VAUGHAN FIRE STATION 7-12

9511 WESTON ROAD, VAUGHAN

PROJECT:

CLIENT:

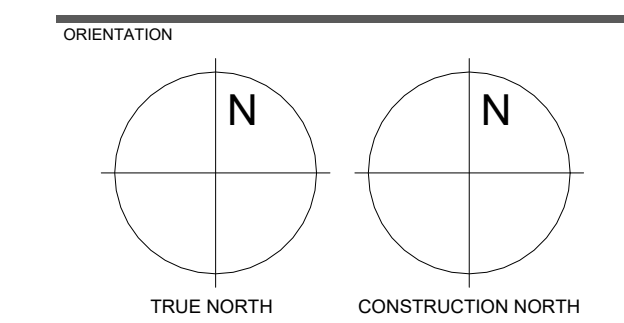


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ARCHITECT
THOMASBROWNARCHITECTS
197 SPADINA AVENUE, SUITE 500 | TORONTO ONTARIO | M5T 2C8

PROFESSIONAL SEAL

DOOR FINISH SCHEDULE



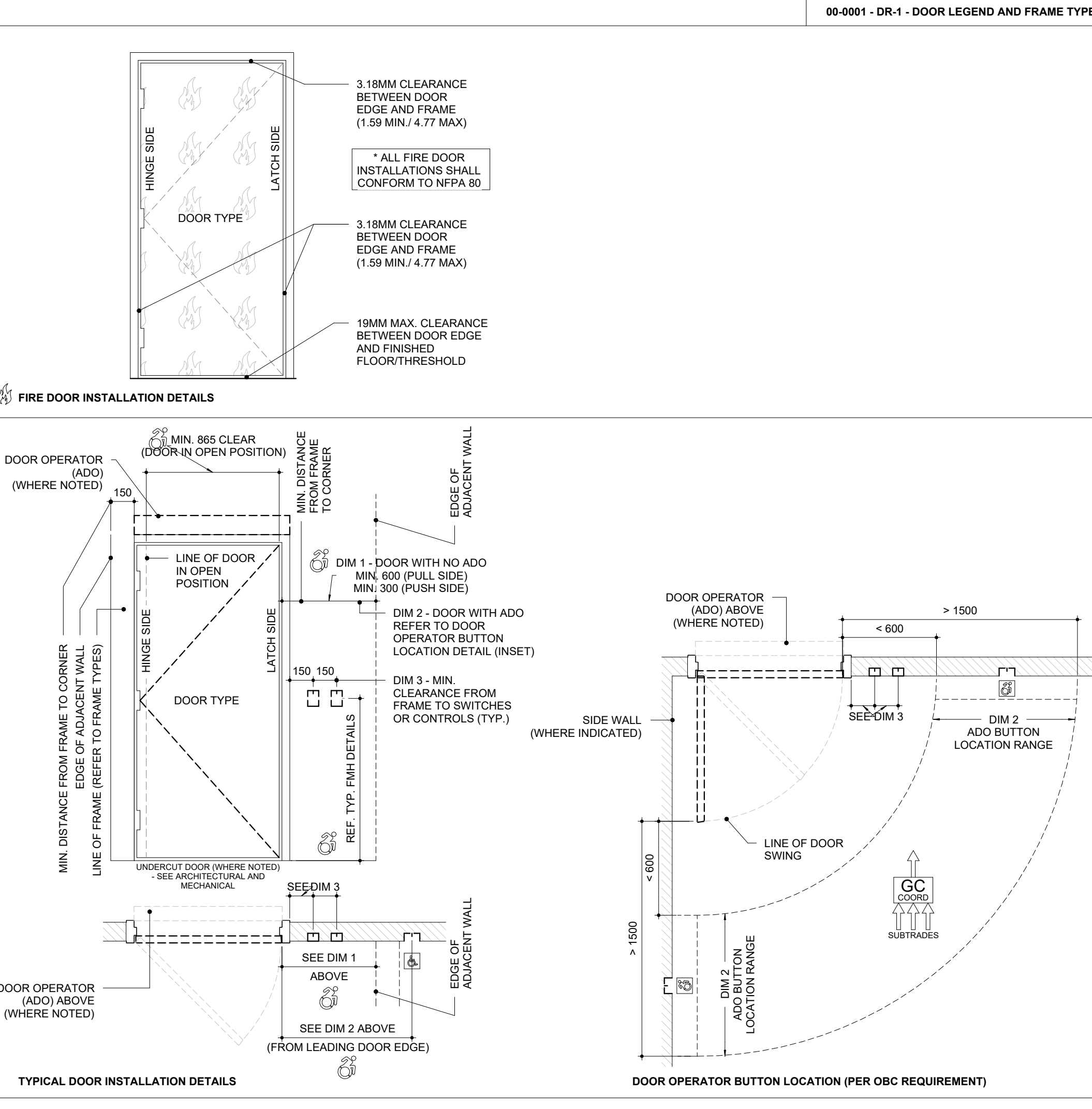
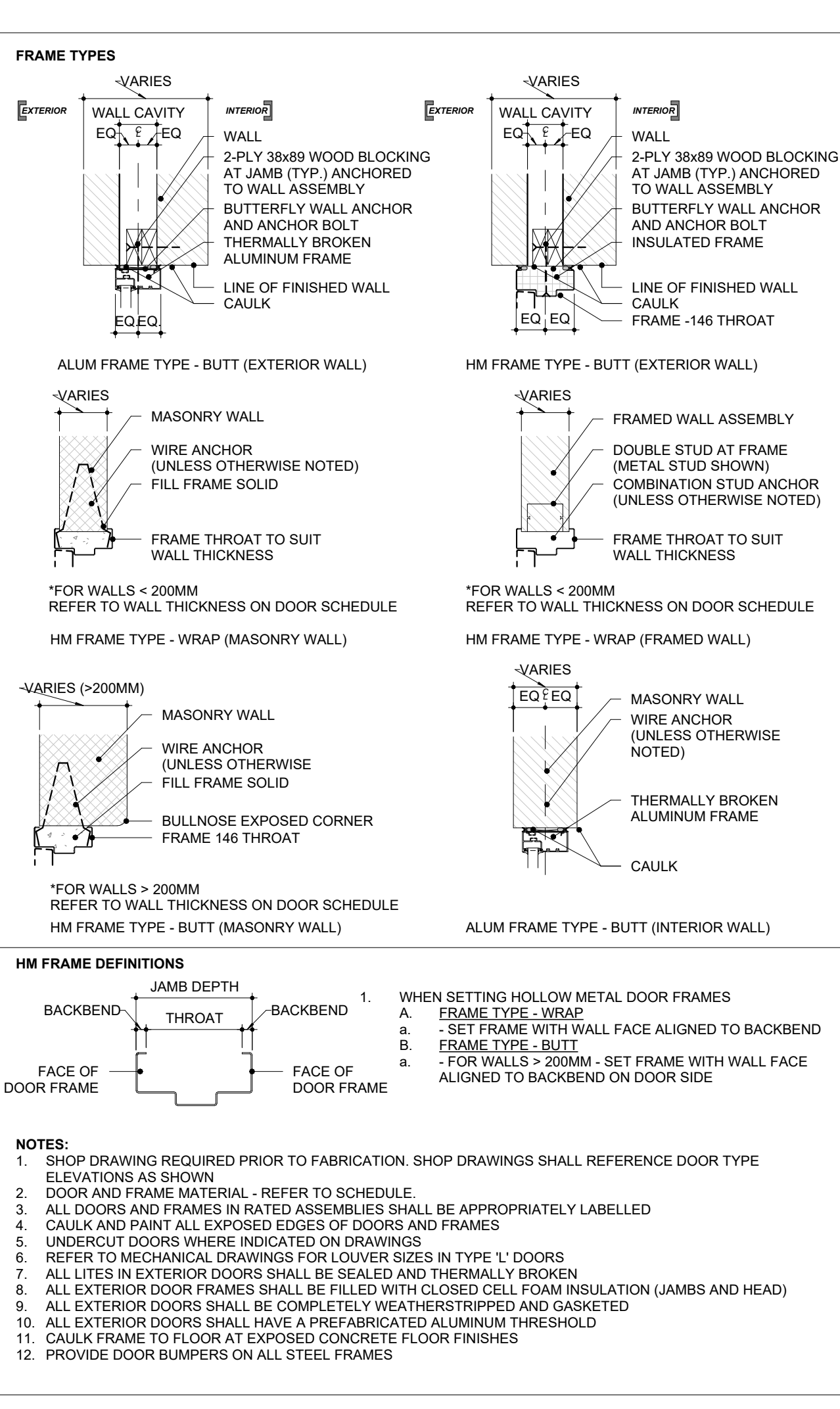
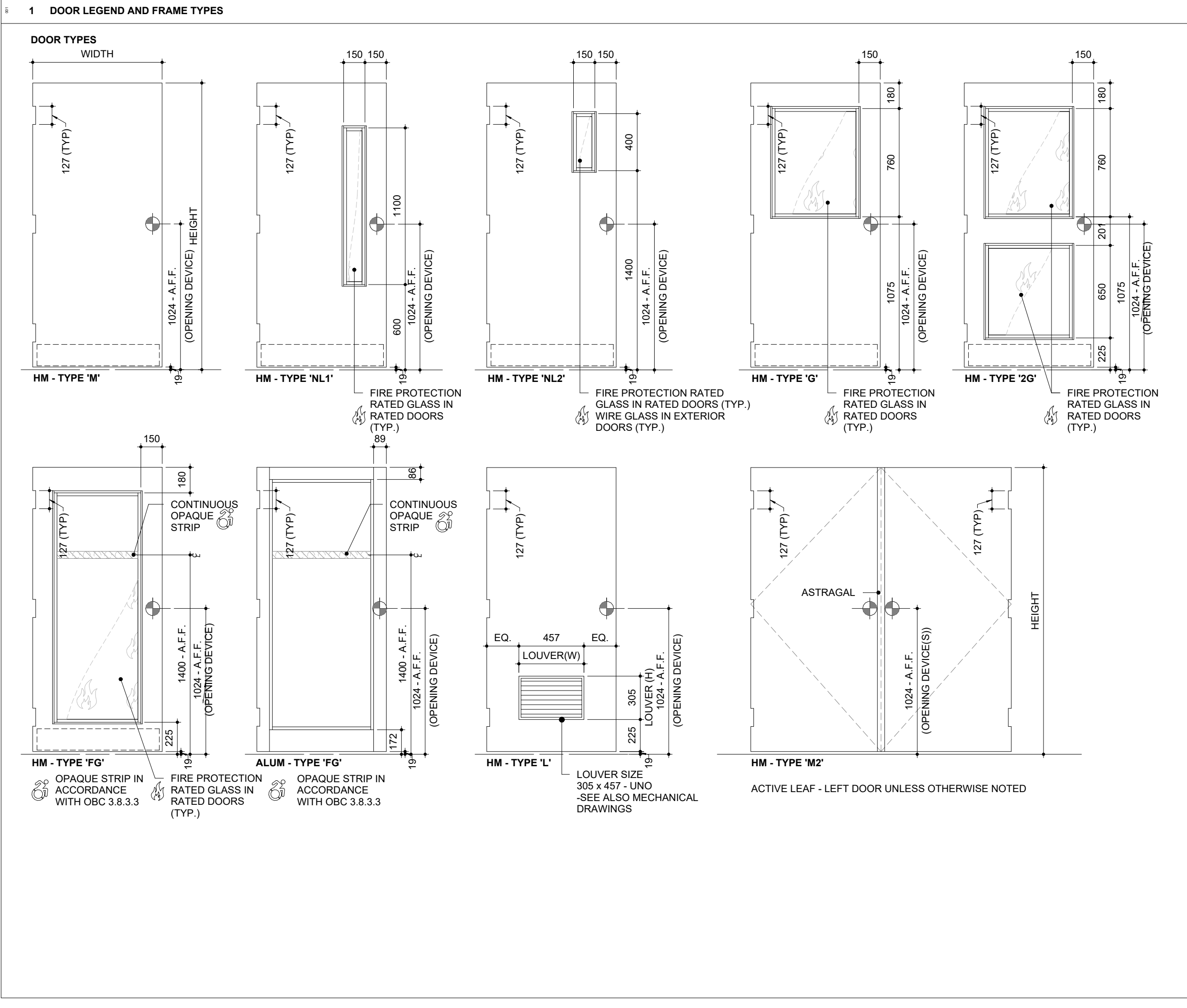
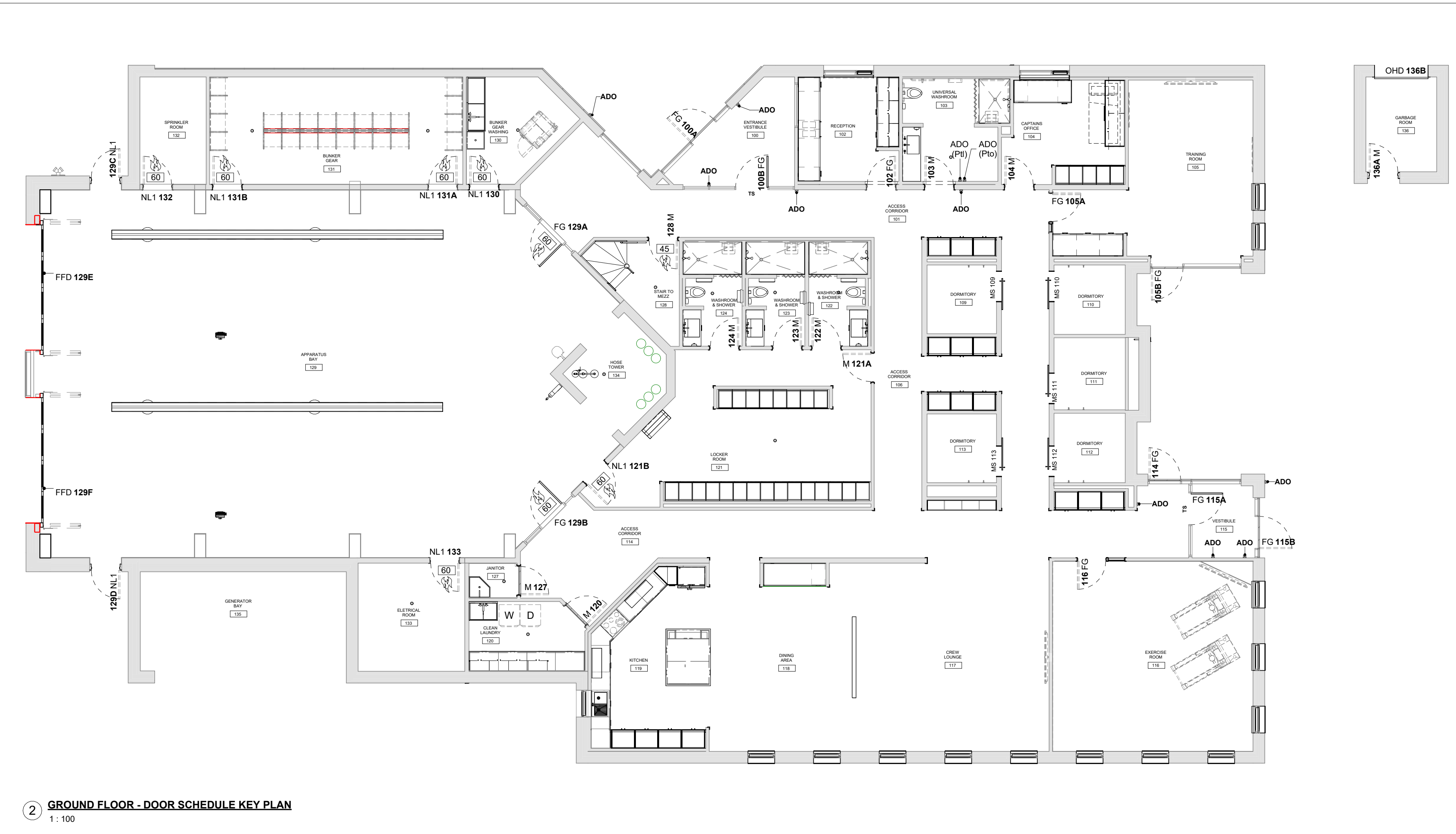
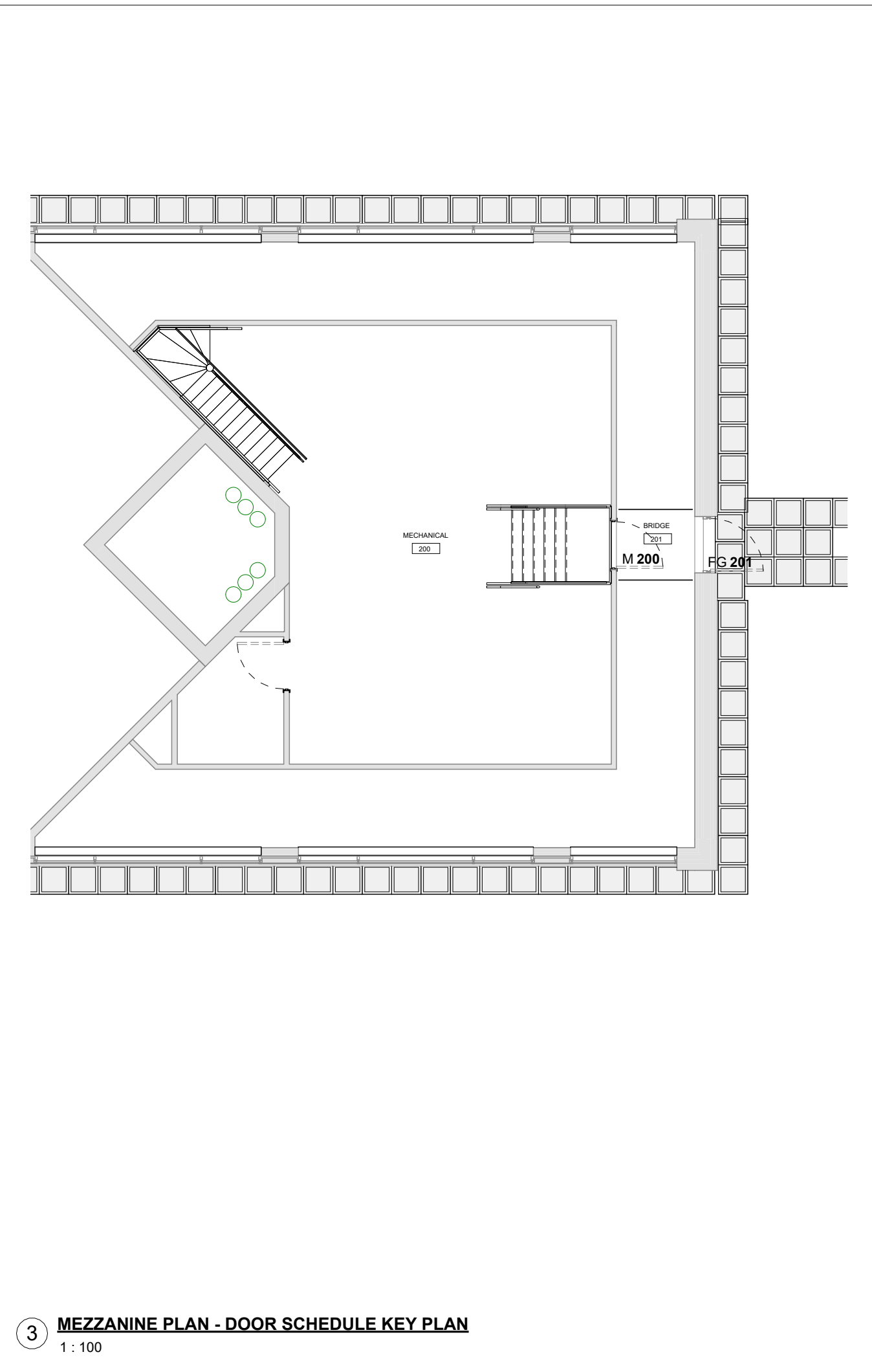
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DWG STATUS: TENDER

PROJECT NO: 2104

DRAWING NO: A13.6 REVISION: 26



2024-04-19 10:51:08 AM

SPECIALTY EQUIPMENT SCHEDULE

Table with columns: ITEM #, MODEL, QTY, DESCRIPTION, ROOM NO., ROOM NAME. Lists various equipment items like treadmills, laundry equipment, mechanical specs, TVs, whiteboards, mirrors, lockers, shower seats, napkin disposals, window shades, electrical items, solar panels, plumbing items, and washroom accessories.

WALL SCHEDULE - FOR ESTIMATOR

Table with columns: MARK, LENGTH, R-VALUE, THERMAL RESISTANCE. Lists wall types and materials such as exterior 3 PLY, 5 PLY, 9 PLY, CW1, CW2, CW3, CW4, CW5, CW6, CW7, CW8, CW9, CW10, CW11, CW12, CW13, CW14, CW15, CW16, CW17, CW18, CW19, CW20, CW21, CW22, CW23, CW24, CW25, CW26, CW27, CW28, CW29, CW30, CW31, CW32, CW33, CW34, CW35, CW36, CW37, CW38, CW39, CW40, CW41, CW42, CW43, CW44, CW45, CW46, CW47, CW48, CW49, CW50, CW51, CW52, CW53, CW54, CW55, CW56, CW57, CW58, CW59, CW60, CW61, CW62, CW63, CW64, CW65, CW66, CW67, CW68, CW69, CW70, CW71, CW72, CW73, CW74, CW75, CW76, CW77, CW78, CW79, CW80, CW81, CW82, CW83, CW84, CW85, CW86, CW87, CW88, CW89, CW90, CW91, CW92, CW93, CW94, CW95, CW96, CW97, CW98, CW99, CW100.

FF+E ITEMS (CASH ALLOWANCE)

Table with columns: ITEM #, ID, QTY, DESCRIPTION, ROOM NO., ROOM NAME, CA. Lists furniture items like mobile sleeper beds, desks, chairs, tables, lockers, and other equipment.

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ISSUE OR REVISION table with columns: NO., ISSUED FOR, DATE. Lists revision history.



FILE NO. SP.22.V.0191

CITY OF VAUGHAN FIRE STATION 7-12 9511 WESTON ROAD, VAUGHAN



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Approval to Proceed, Project Phase, Authorization (signature)

CASH ALLOWANCE AND EQUIPMENT SCHEDULE

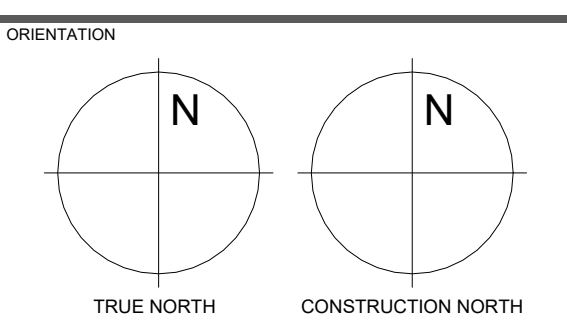
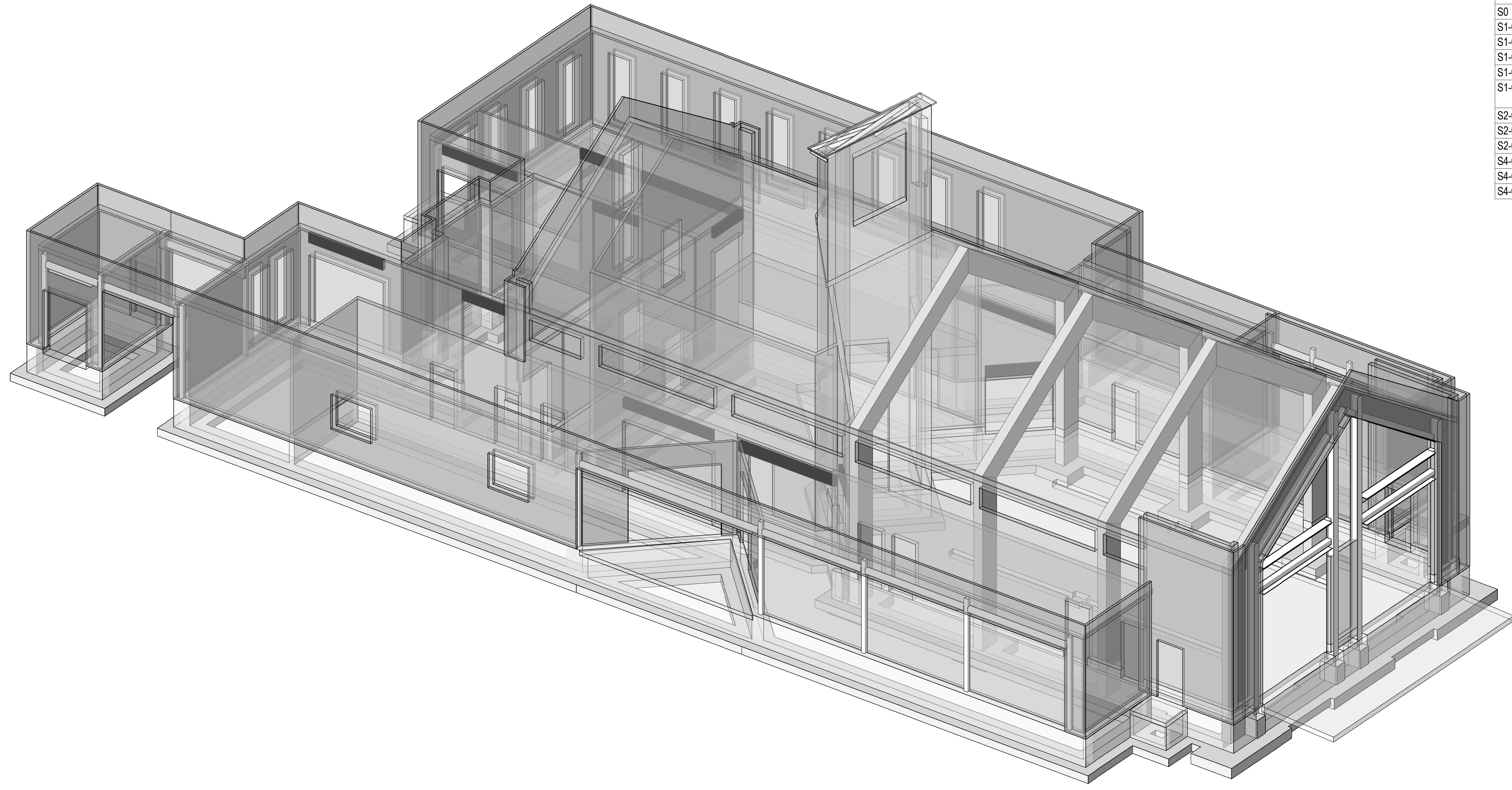


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DRAWING LIST	
Sheet Number	Sheet Name
S0	COVER SHEET
S1-01	PLAN NOTES SCHEDULES AND DETAILS
S1-02	FOUNDATION PLAN
S1-03	ROOF FRAMING PLAN
S1-04	HIGH ROOF FRAMING PLAN
S1-05	LOADING PLANS AND GLULAM MOMENT FRAME ELEVATION
S2-01	SHEAR WALL NOTES AND DETAILS
S2-02	CONCRETE WALL ELEVATIONS
S2-03	FOUNDATION SECTIONS
S4-01	GENERAL NOTES
S4-02	TYPICAL DETAILS
S4-03	TYPICAL NOTES



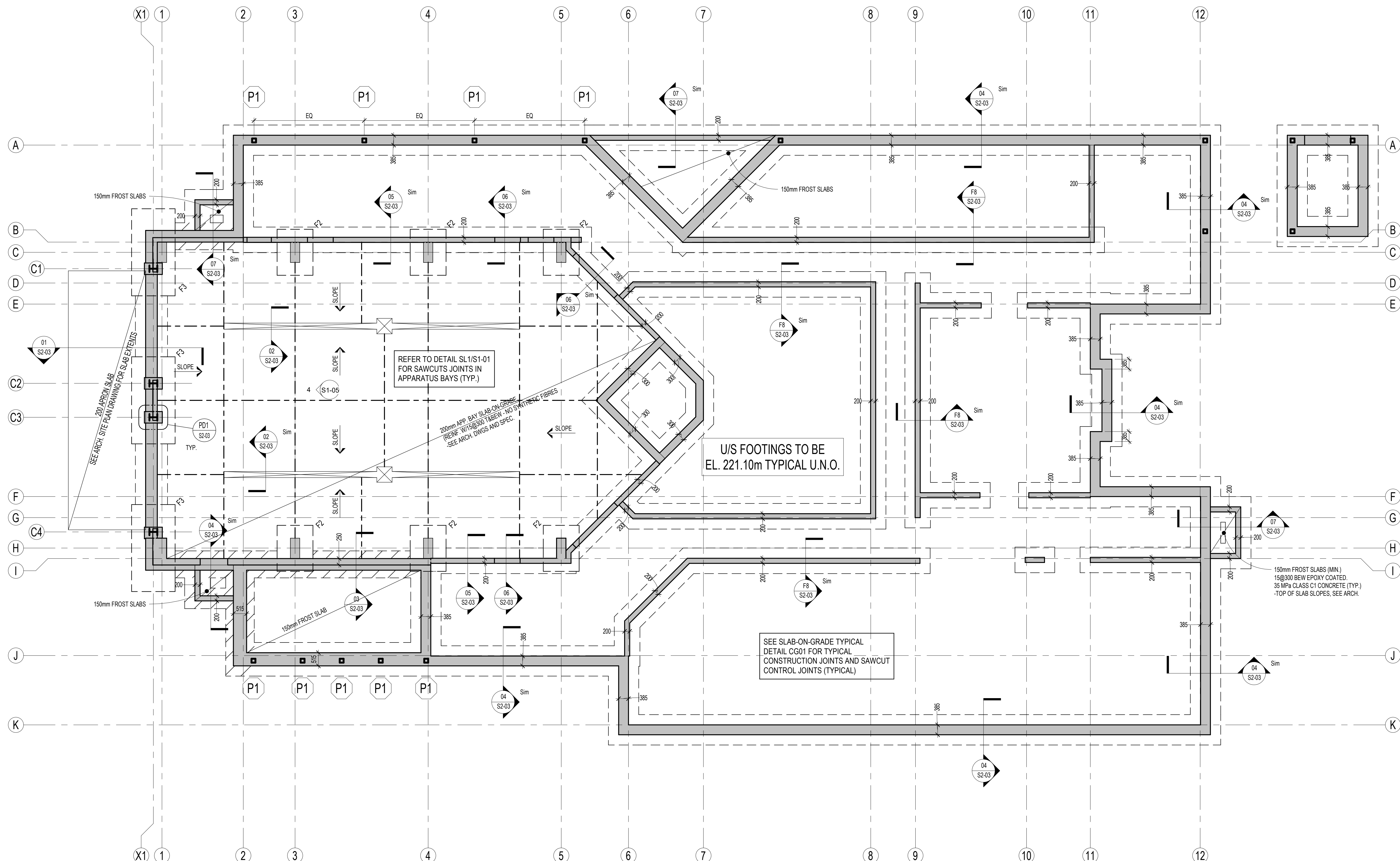
VAUGHAN

CITY OF VAUGHAN FIRE STATION 7-12

THIS COVER SHEET IS A DIAGRAMATIC 3D VIEW
AND DOES NOT FORM PART OF THE DOCUMENTS



2235 Sheppard Ave. E. Suite No. 1100
Toronto, ON M2J 5B5
Stephenson Engineering, a company of Salas O'Brien



REFER TO DETAIL SL1/S1-01 FOR SAWCUTS JOINTS IN APPARATUS BAYS (TYP.)

U/S FOOTINGS TO BE EL. 221.10m TYPICAL U.N.O.

SEE SLAB-ON-GRADE TYPICAL DETAIL CG01 FOR TYPICAL CONSTRUCTION JOINTS AND SAWCUT CONTROL JOINTS (TYPICAL)

150mm FROST SLABS (MIN.)
15@300 BEW EPOXY COATED.
35 MPa CLASS C1 CONCRETE (TYP.)
-TOP OF SLAB SLOPES, SEE ARCH.

FOUNDATION PLAN
1 : 75

1. SEE DRAWING S1-01 FOR PLAN NOTES AND SCHEDULES.

FOOTING PROJECTION SCHEDULE	
WALL FOOTINGS SHOWN THUS ON PLAN INDICATES 300mm FOOTING PROJECTIONS:	

FOOTING SCHEDULE				
FOOTING NUMBER	FOOTING LENGTH	FOOTING WIDTH	FOOTING THICKNESS	FOOTING REINF. B.E.W./H.E.E. U.N.O.
F2	1800	1400	400	6-20M
F3	3400	1700	400	20M@250

LOWER ELEVATIONS AT UNDERSIDE OF COLUMN AND WALL FOOTINGS, WHERE REQUIRED, BUT NOT LIMITED TO SUIT STORM / SANITARY, WATER / FIRE LINES AND ELECTRICAL DUCT BANKS.
THE MAXIMUM SLOPE FROM THE PIPE EXCAVATION TO THE UNDERSIDE OF ADJACENT FOOTING ELEVATIONS SHALL NOT EXCEED 7 VERTICAL TO 10 HORIZONTAL.

WHERE MECHANICAL SERVICE PIPES PASS THROUGH LOAD BEARING FOUNDATION WALLS, PROVIDE STEEL SLEEVES (MIN. 500) LARGER THAN PIPE (TYPICAL)

APPROVAL STAMP

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ISSUE OR REVISION		DATE
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1 ISSUED FOR PERMIT		SEPT/18/23
2 ISSUED FOR TENDER		DEC/01/23

CITY OF VAUGHAN
FIRE STATION 7-12

9511 WESTON ROAD, VAUGHAN

CLIENT

VAUGHAN

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Salas O'Brien

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Toronto, ON M2J 5R5
Stephenson Engineering, a company of Salas O'Brien

DWG TITLE
FOUNDATION PLAN

ORIENTATION

DATE **DEC. 2023**

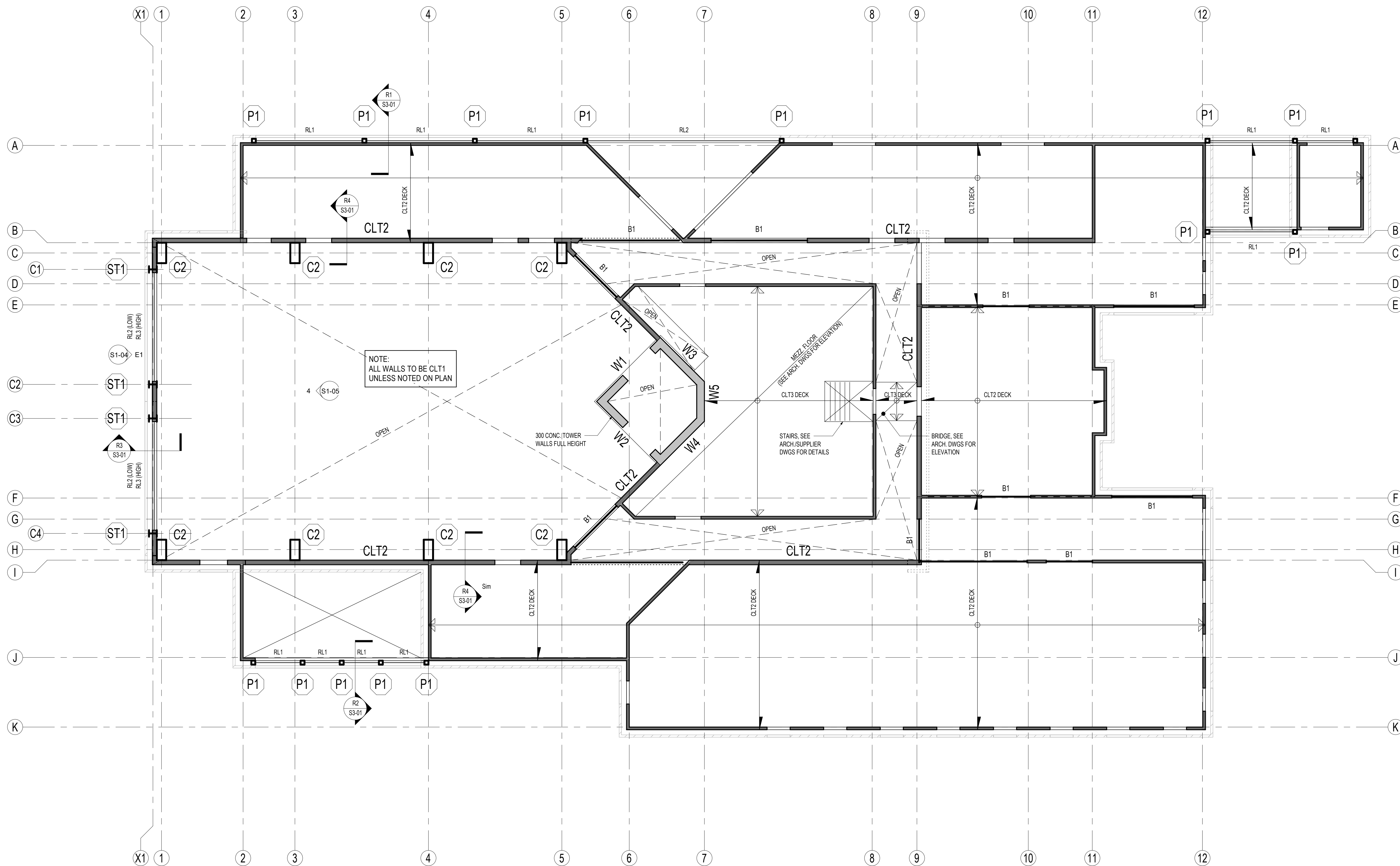
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DWG STATUS: **TENDER ISSUE**

PROJECT No. **20210932**

DRAWING No. **S1-02** REVISION **2**

2023-12-01 4:22:00 PM



ROOF FRAMING PLAN
1:75
1. SEE DRAWING S1-01 FOR PLAN NOTES AND SCHEDULES.

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1	ISSUED FOR PERMIT	SEPT/18/23
2	ISSUED FOR TENDER	DEC/01/23

PROJECT:
**CITY OF VAUGHAN
FIRE STATION 7-12**

CLIENT:
VAUGHAN

9511 WESTON ROAD, VAUGHAN

VAUGHAN

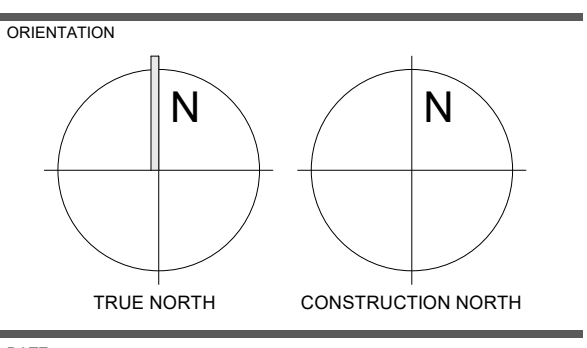
THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF THE WORK. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT.

Salas O'Brien

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Toronto, ON M2J 5R5
Stephenson Engineering, a company of Salas O'Brien

PROFESSIONAL SEAL

DWG TITLE
ROOF FRAMING PLAN



DATE: DEC. 2023

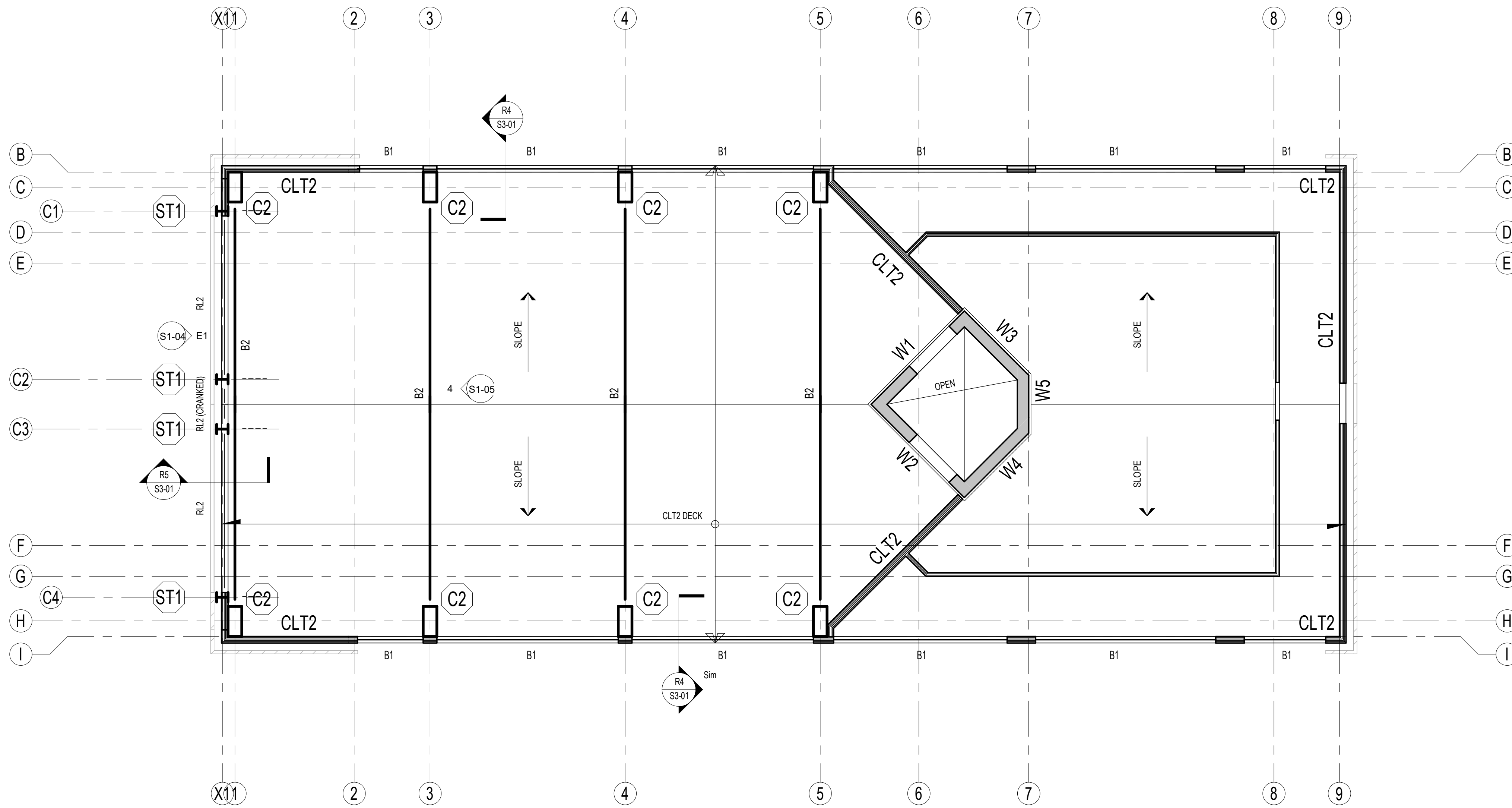
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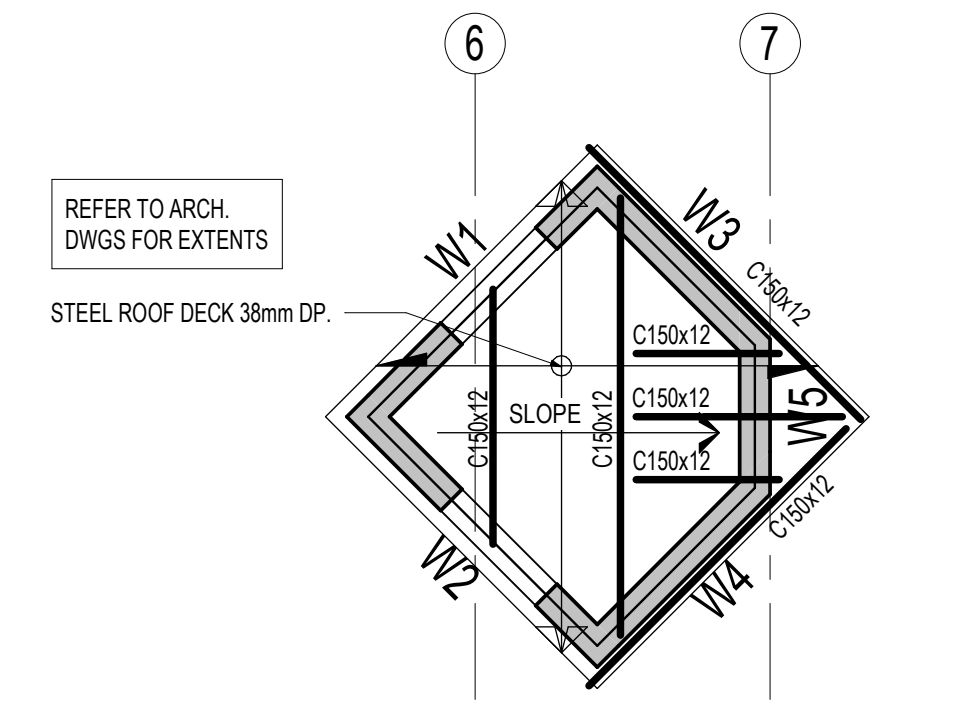
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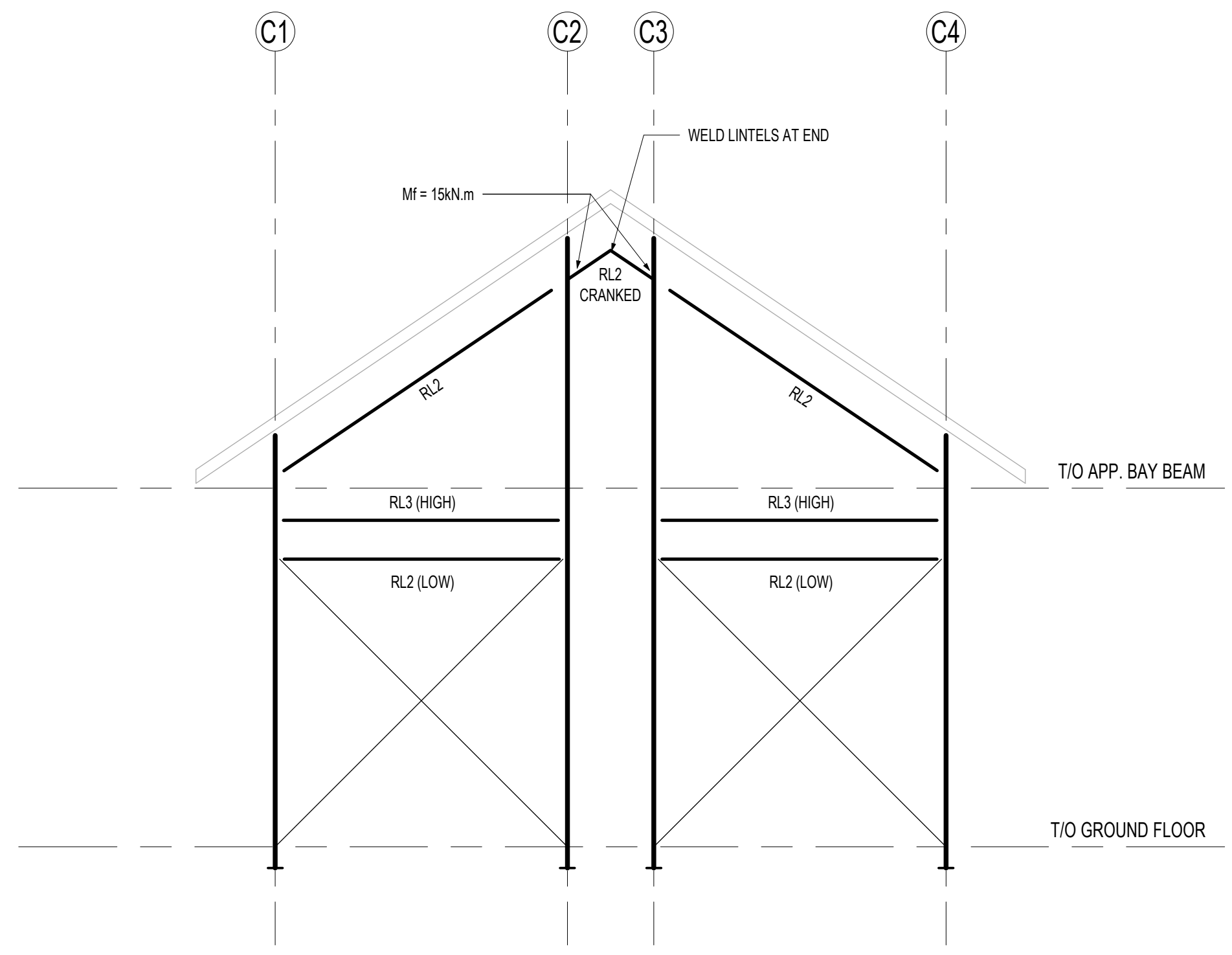
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HIGH ROOF FRAMING PLAN
1:75



HOSE TOWER ROOF FRAMING PLAN
1:75



E1 FRAMING ELEVATION
S1-04 1:75

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NO.	ISSUED FOR	DATE
1	ISSUED FOR PERMIT	SEPT/18/23
2	ISSUED FOR TENDER	DEC/01/23

PROJECT:
**CITY OF VAUGHAN
FIRE STATION 7-12**
9511 WESTON ROAD, VAUGHAN

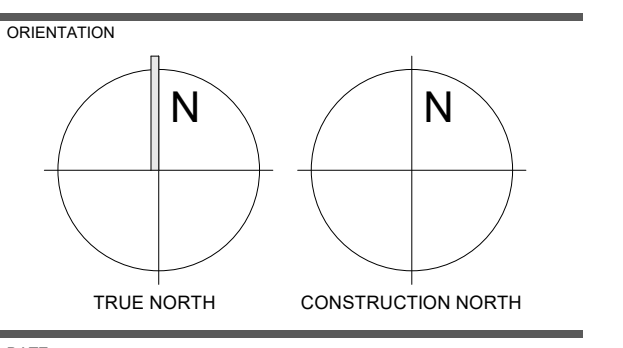


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PROFESSIONAL SEAL

DWG TITLE
**HIGH ROOF
FRAMING PLAN**



DATE
DEC. 2023

SCALE
1:75

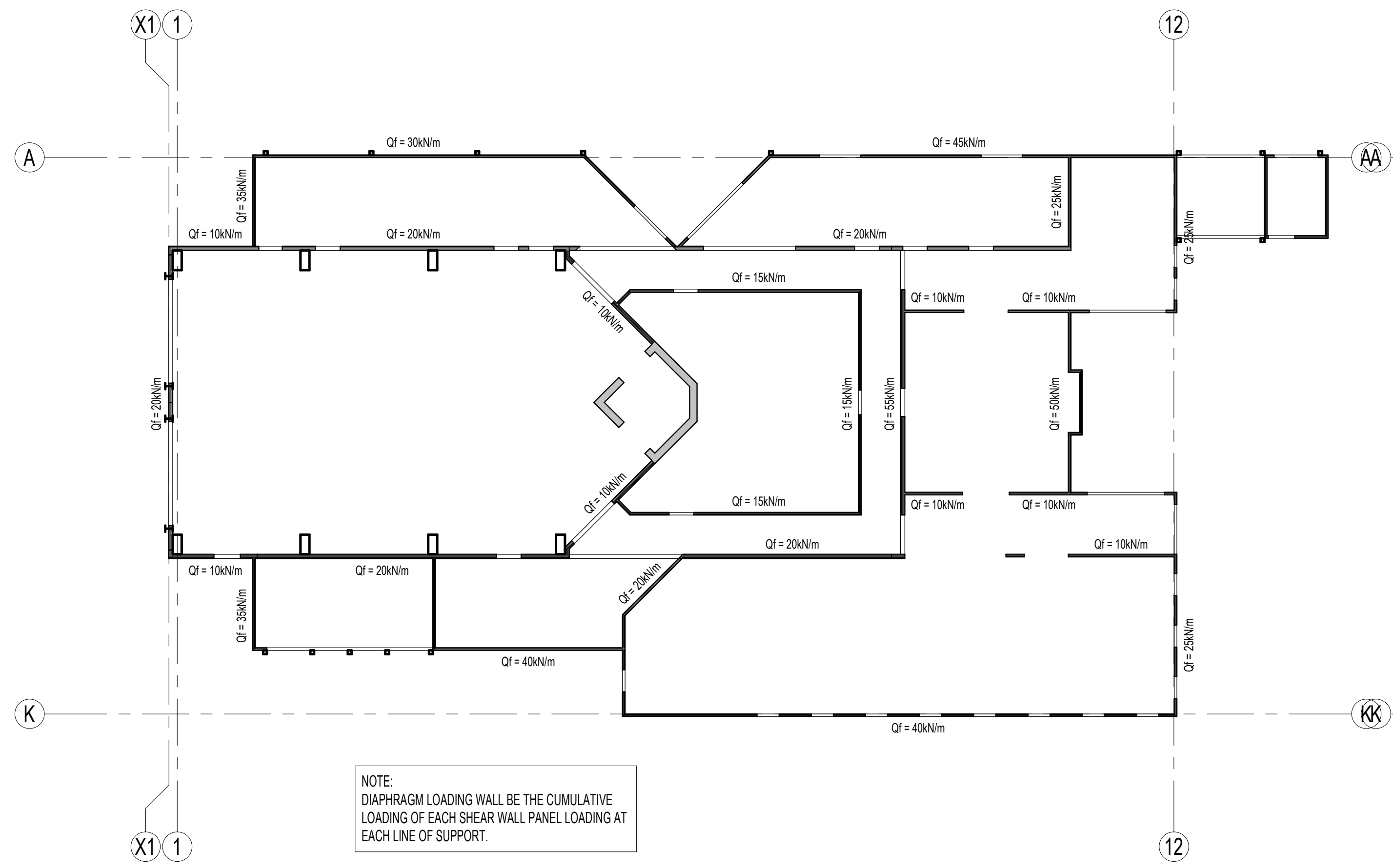
DWG STATUS
TENDER ISSUE

PROJECT No.
20210932

DRAWING No.
S1-04

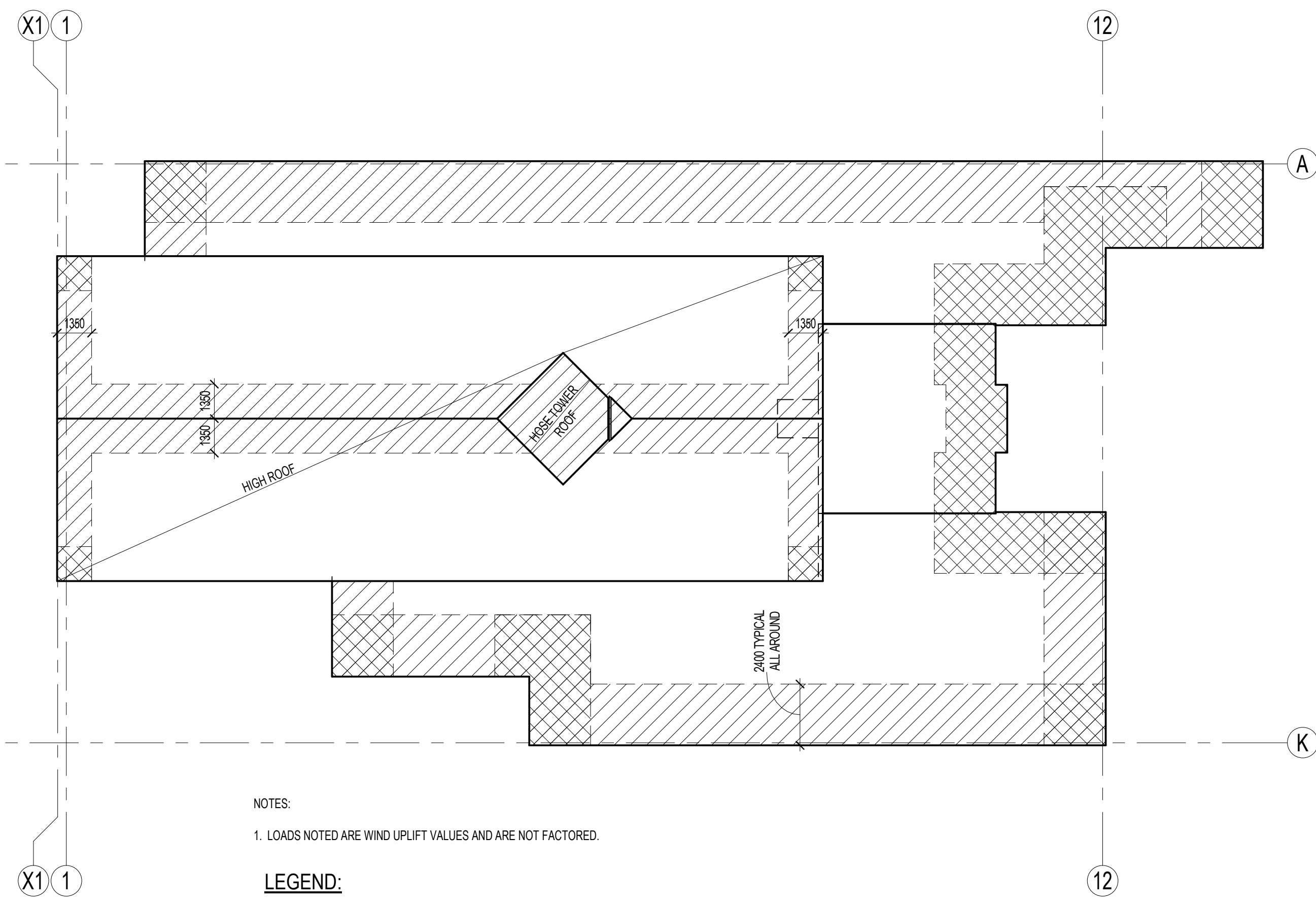
REVISION
2

2023-12-01 4:22:02 PM



NOTE:
DIAPHRAGM LOADING SHALL BE THE CUMULATIVE
LOADING OF EACH SHEAR WALL PANEL LOADING AT
EACH LINE OF SUPPORT.

ROOF DIAPHRAGM LOADING PLAN
1:150

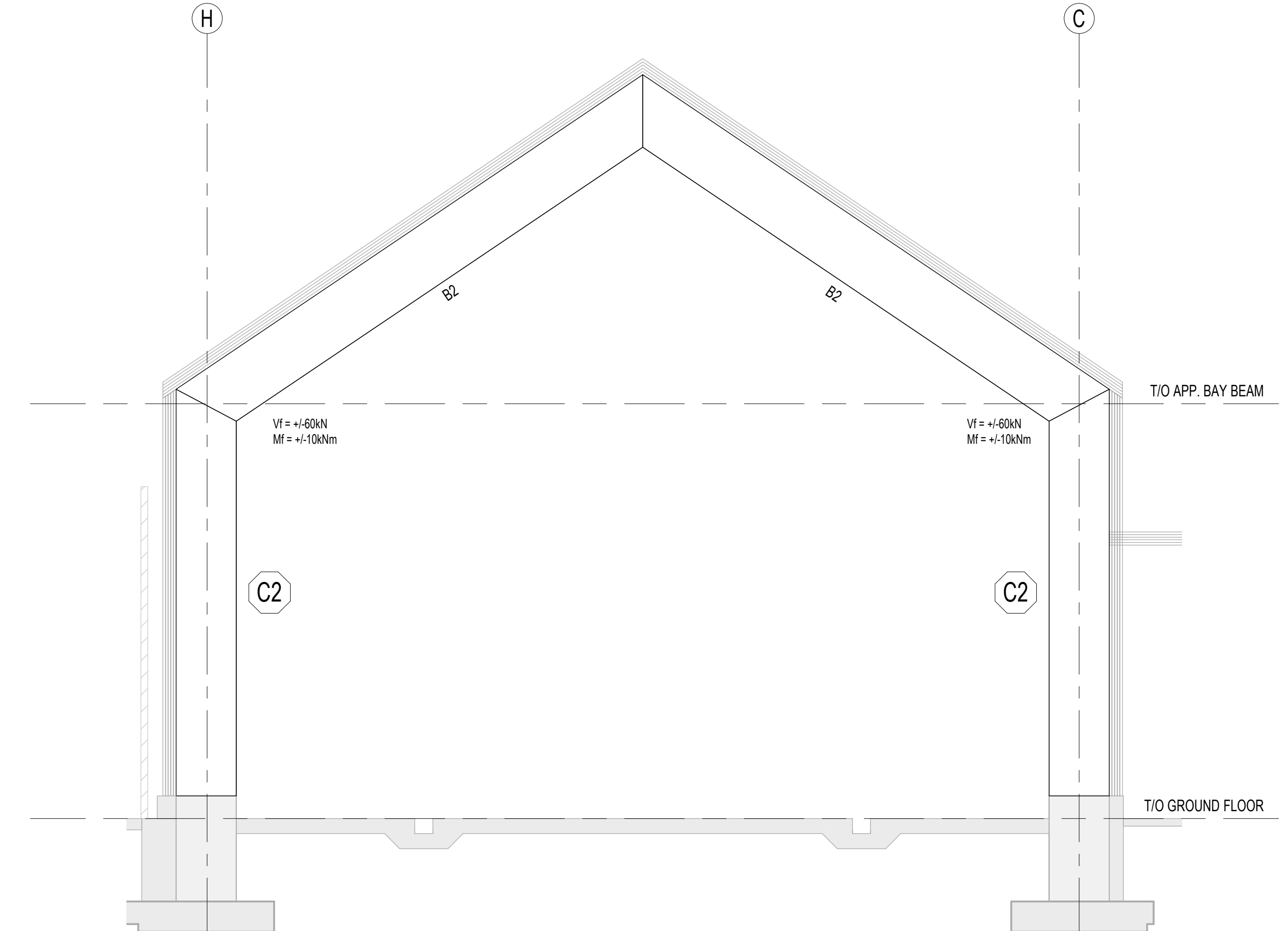


NOTES:
1. LOADS NOTED ARE WIND UPLIFT VALUES AND ARE NOT FACTORED.

LEGEND:

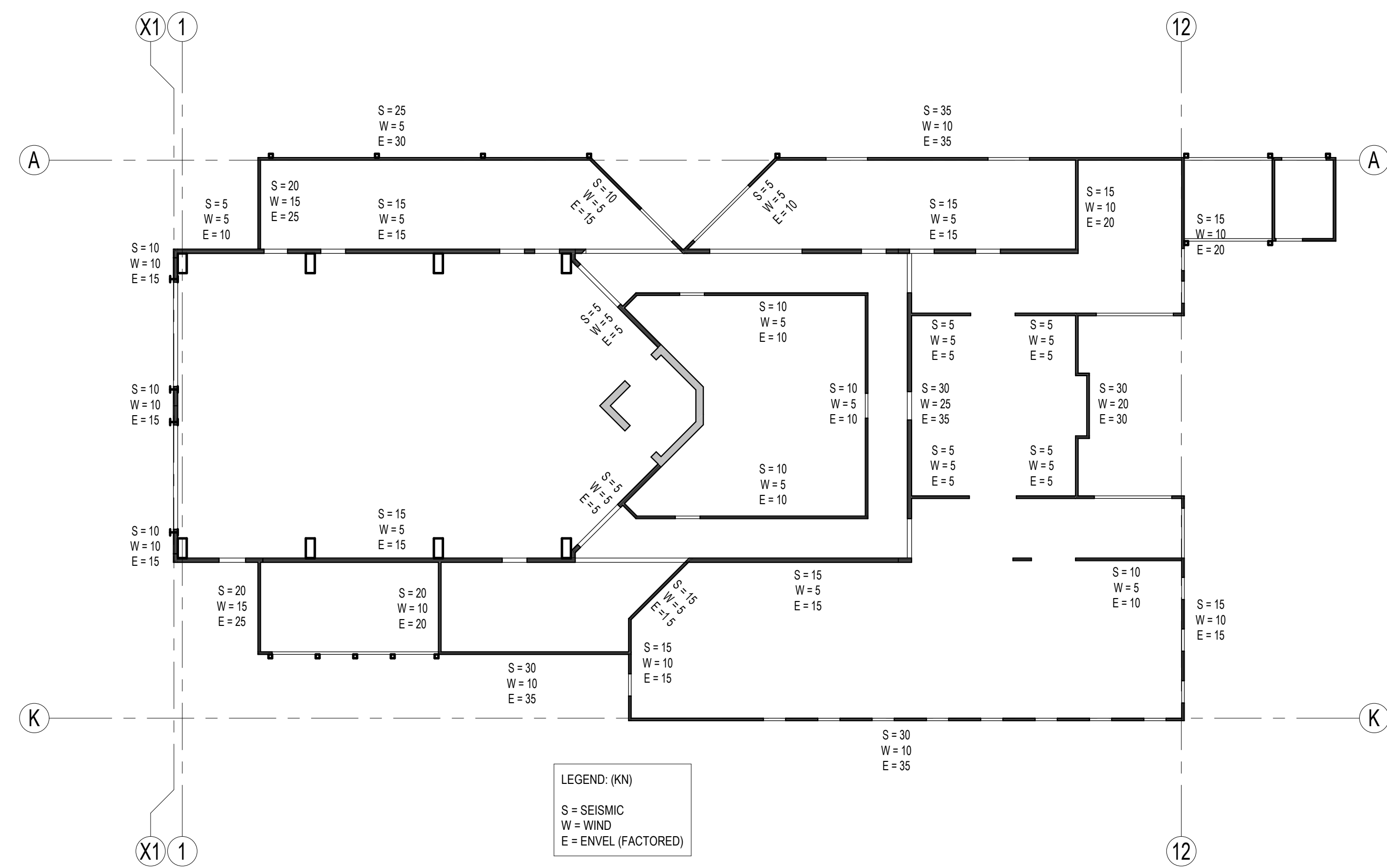
- 1.58 kPa
- 2.18 kPa
- 2.98 kPa

WIND UPLIFT DIAGRAM PLAN
1:150



APPARATUS BAY GLULAM MOMENT FRAME

4 FRAMING ELEVATION
S1-05 1:50



LEGEND: (kN)
S = SEISMIC
W = WIND
E = ENVEL (FACTORED)

CLT SHEAR WALL LOADING PLAN
1:150

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**CITY OF VAUGHAN
FIRE STATION 7-12**

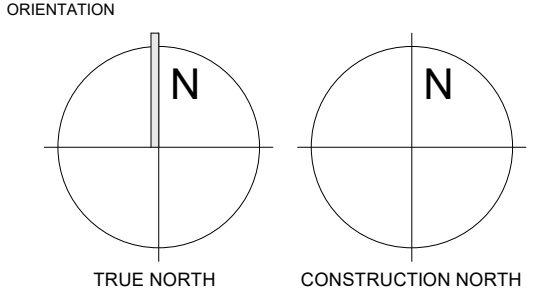
9511 WESTON ROAD, VAUGHAN

CLIENT

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Salas O'Brien
2235 Sheppard Ave. E. Suite No. 1100
Toronto, ON M2J 5R5
Stephenson Engineering, a company of Salas O'Brien

DWG TITLE
**LOADING PLANS
AND GLULAM
MOMENT FRAME
ELEVATION**



DATE: **DEC. 2023**

SCALE: **As indicated** DRAWN BY: **MM** CHECKED BY: **MM**

DWG STATUS: **TENDER ISSUE**

PROJECT No.: **20210932**

DRAWING No.: **S1-05** REVISION: **2**

2023-12-01 4:22:03 PM

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PROJECT:
**CITY OF VAUGHAN
FIRE STATION 7-12**
9511 WESTON ROAD, VAUGHAN



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PROFESSIONAL SEAL

DWG TITLE
**CONCRETE WALL
ELEVATIONS**

ORIENTATION

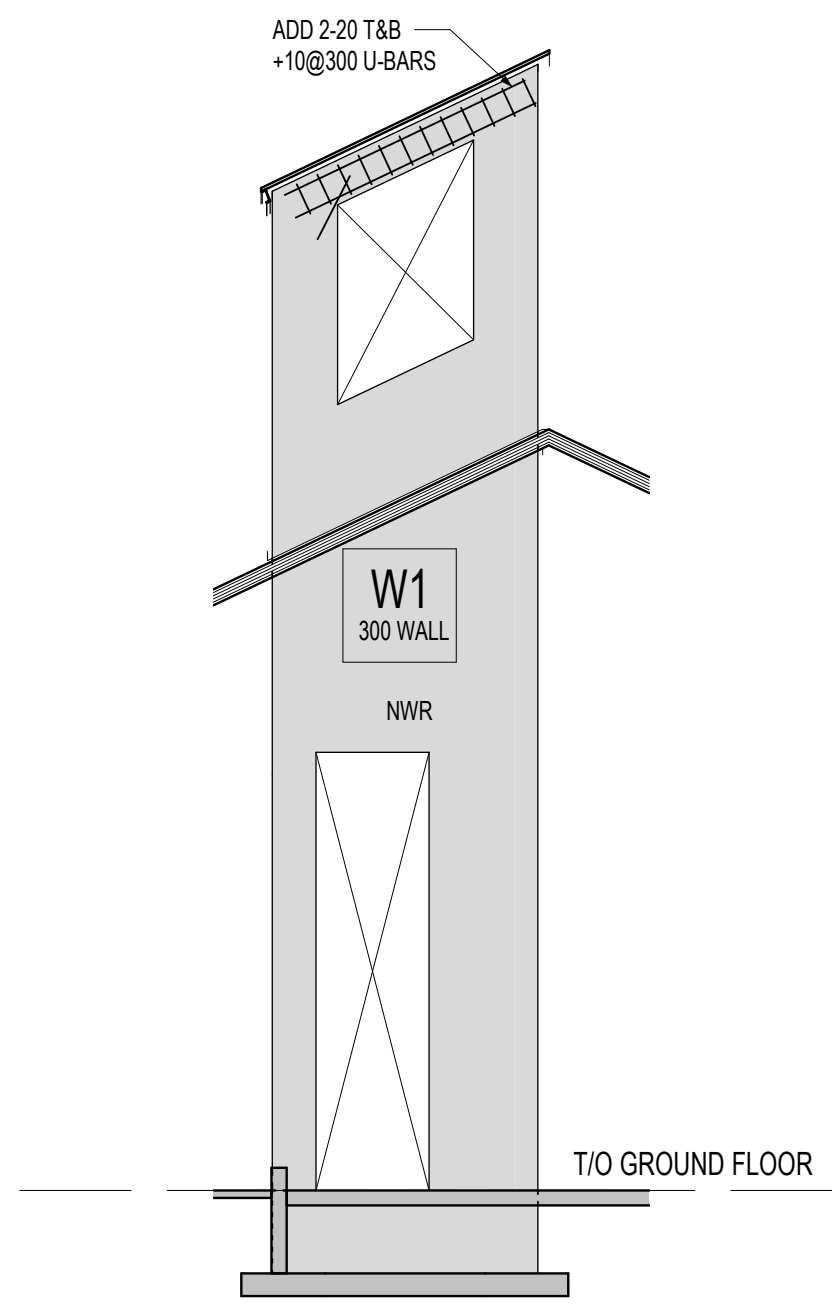
DATE DEC. 2023

SCALE 1 : 100 DRAWN BY CHECKED BY
MM

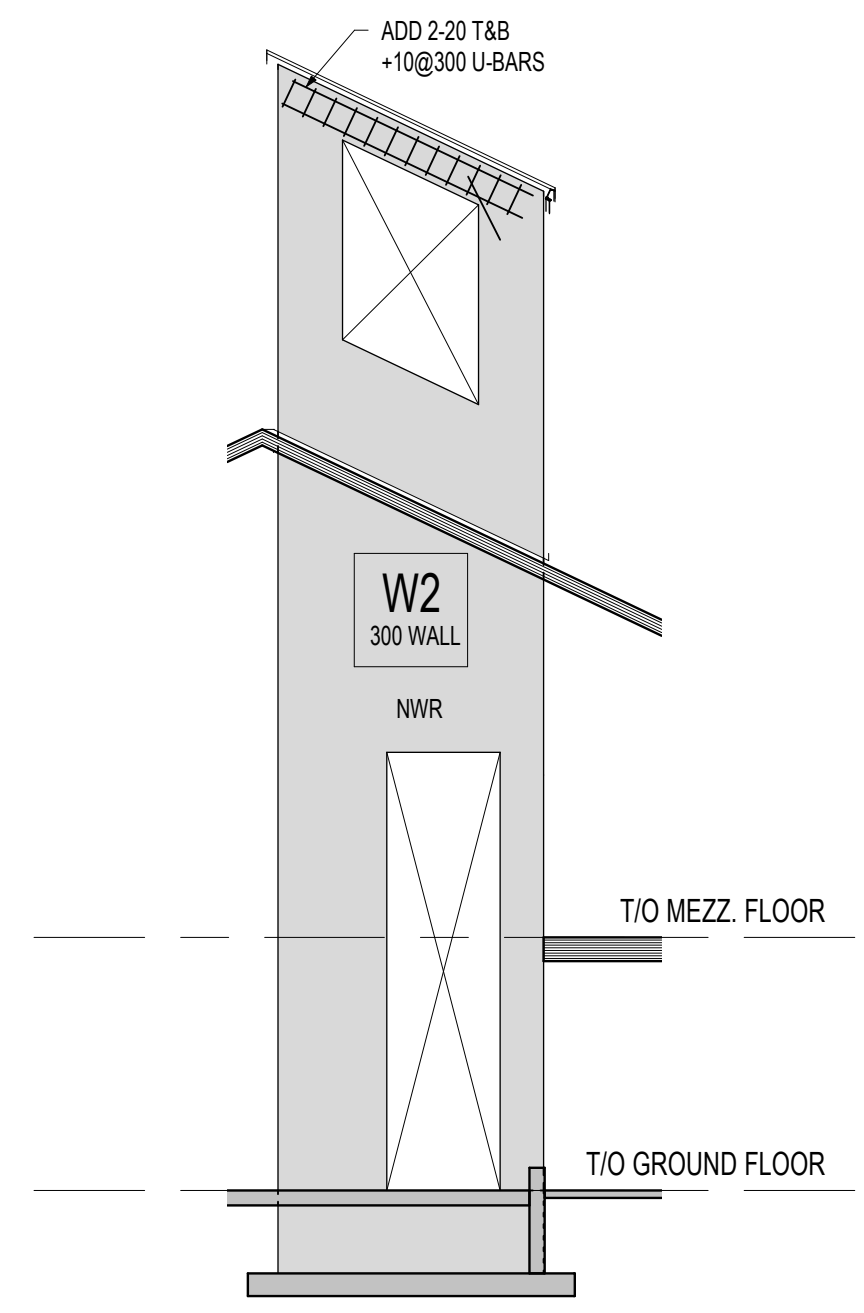
DWG STATUS: TENDER ISSUE

PROJECT No. 20210932

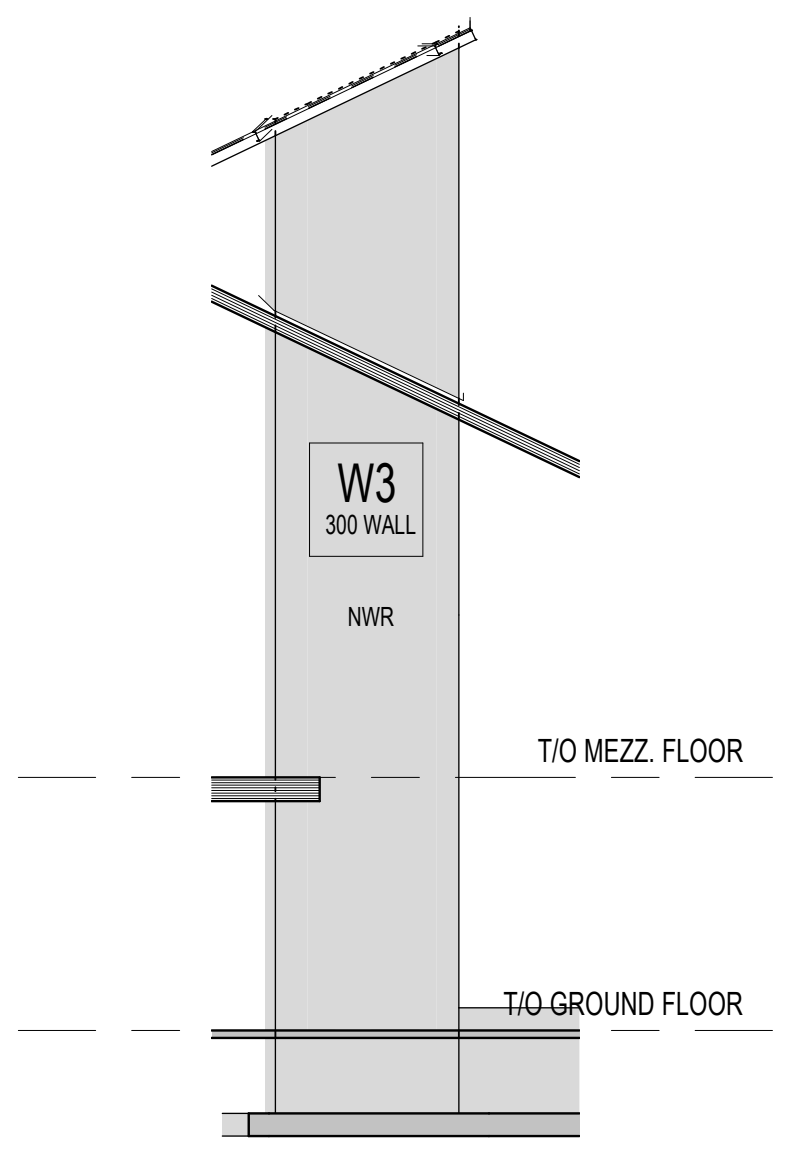
DRAWING No. **S2-02** REVISION
2



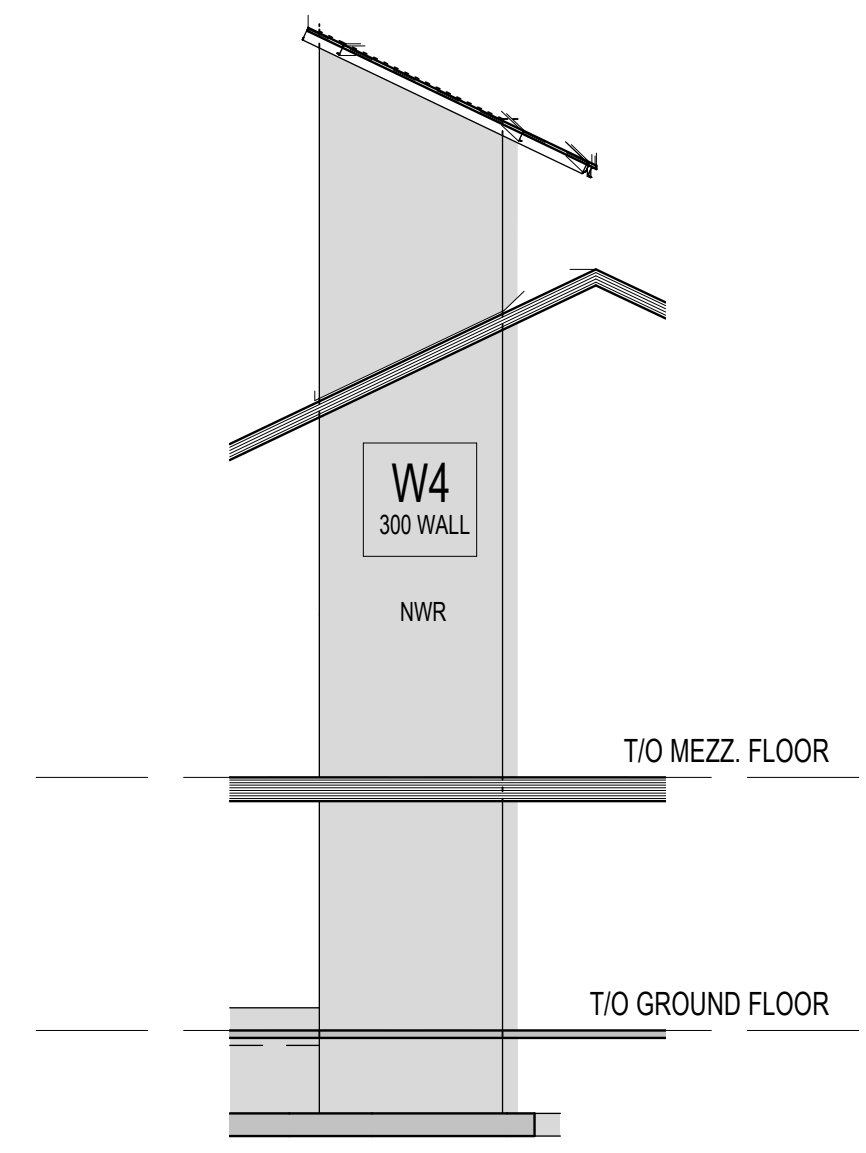
W1 WALL ELEVATION
S2-02 1 : 100



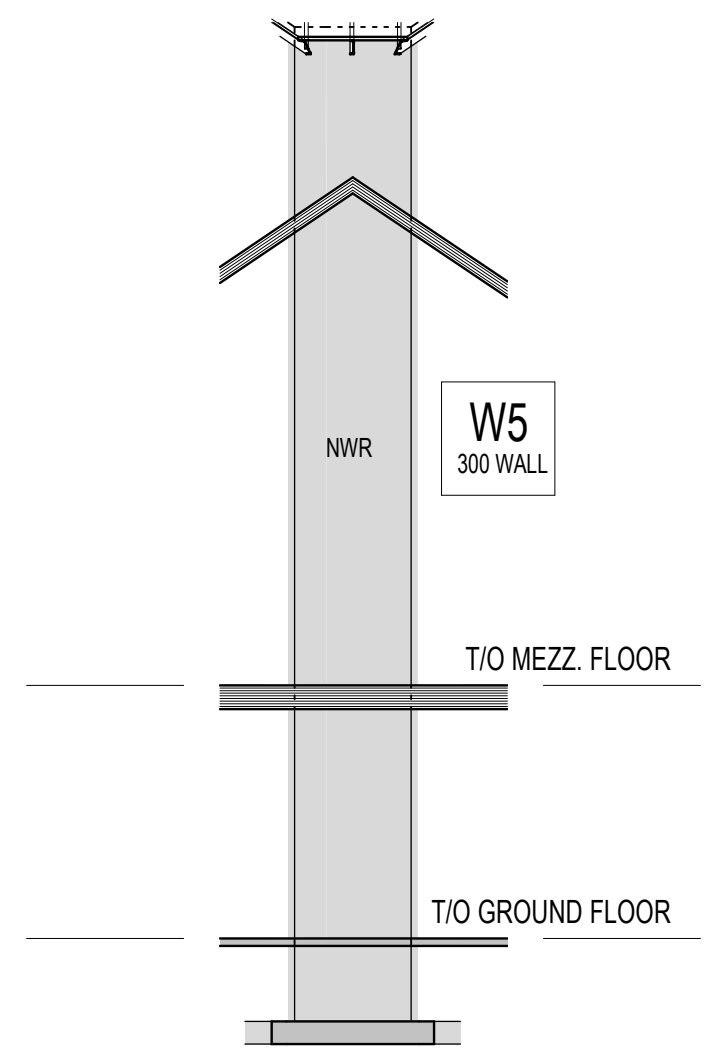
W2 WALL ELEVATION
S2-02 1 : 100



W3 WALL ELEVATION
S2-02 1 : 100

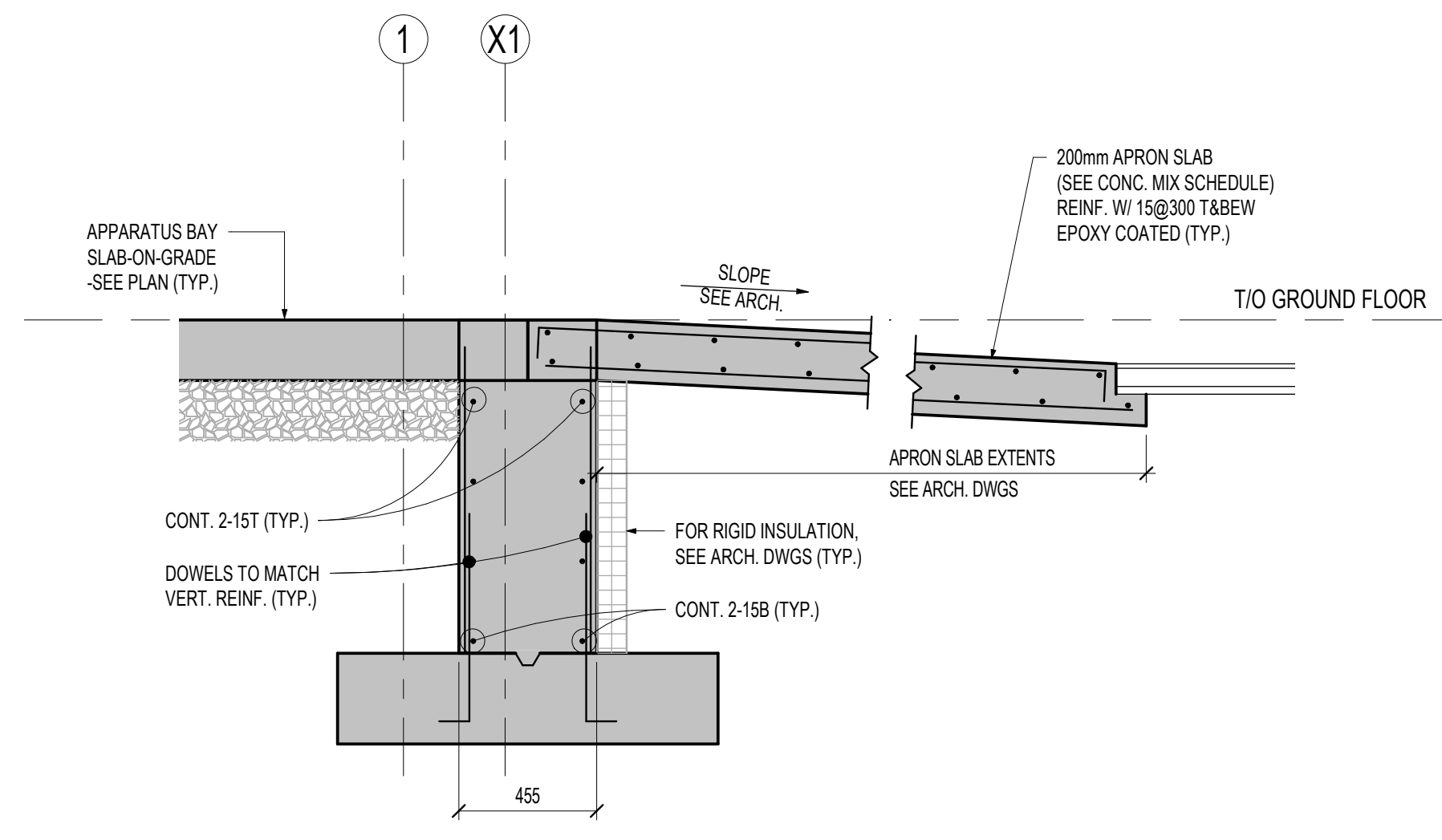


W4 WALL ELEVATION
S2-02 1 : 100

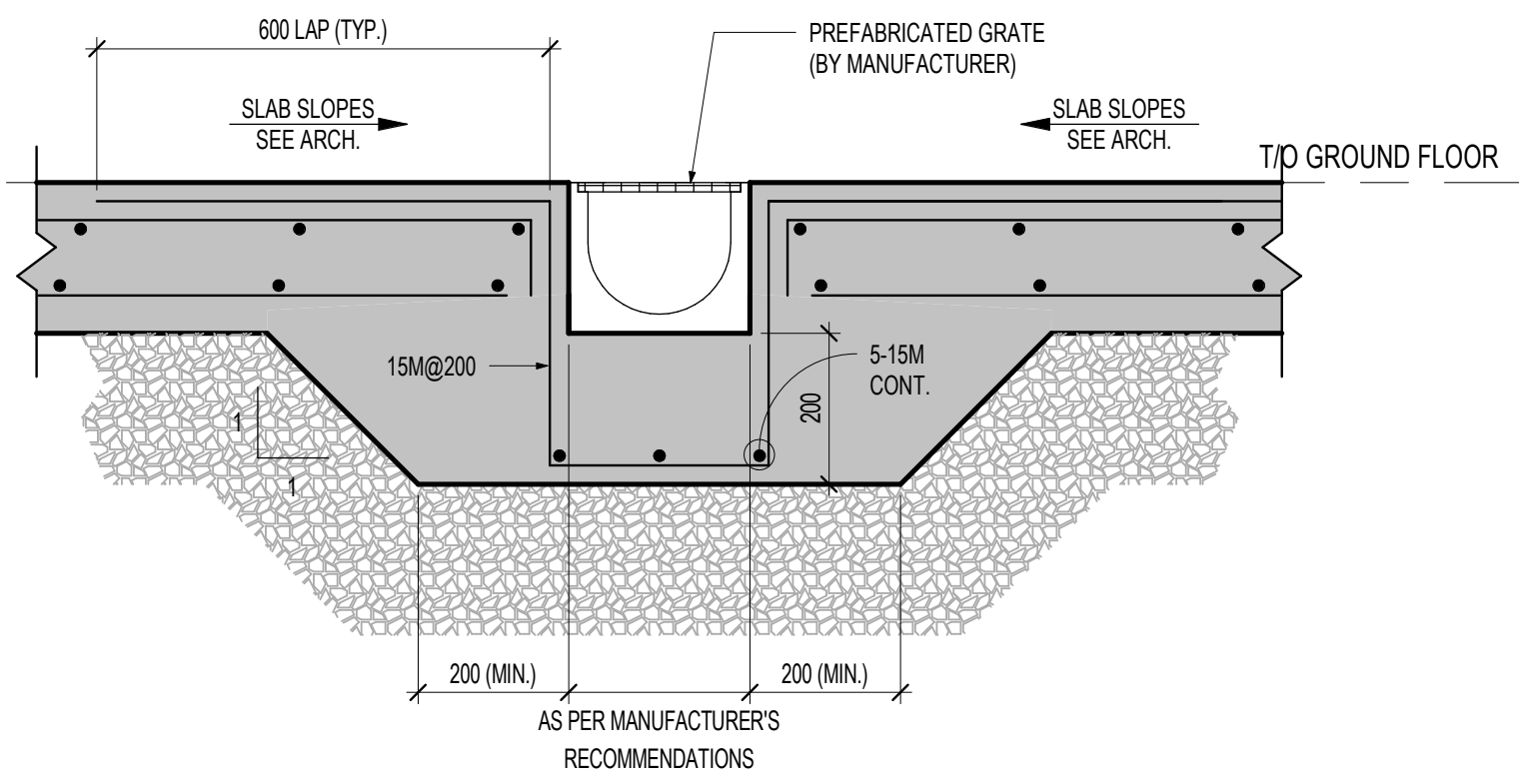


W5 WALL ELEVATION
S2-02 1 : 100

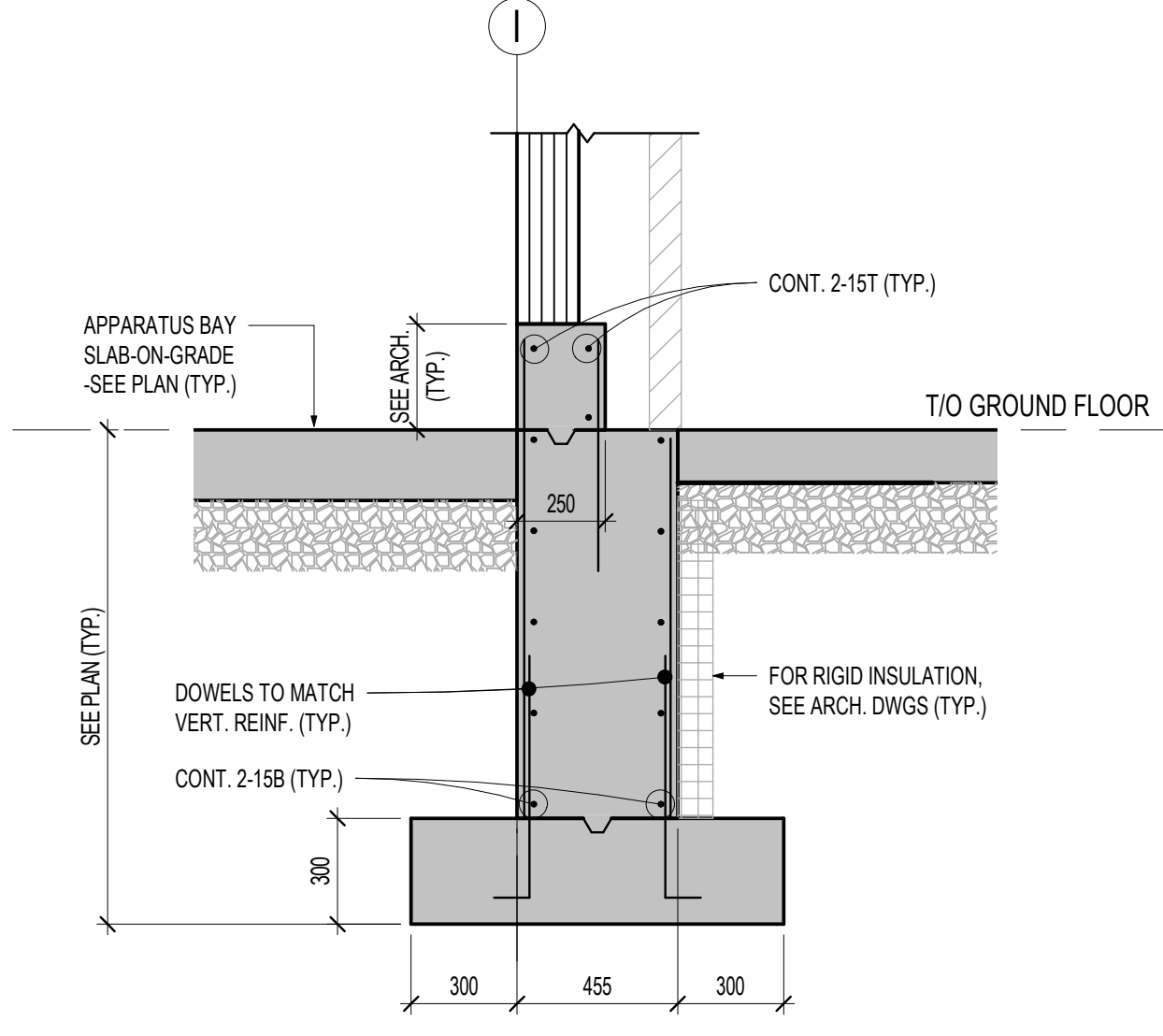
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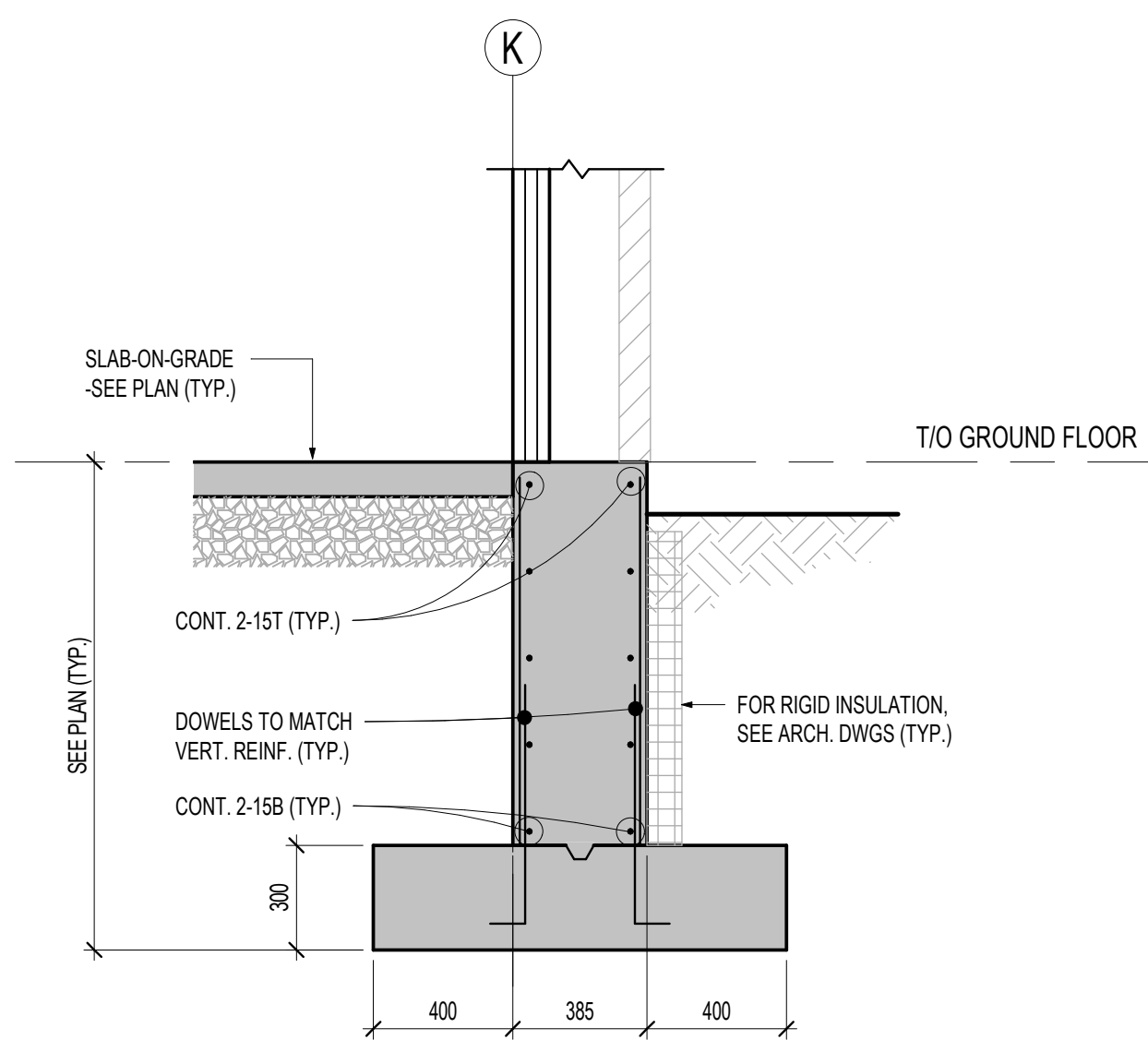
01 SECTION
S2-03 1:20



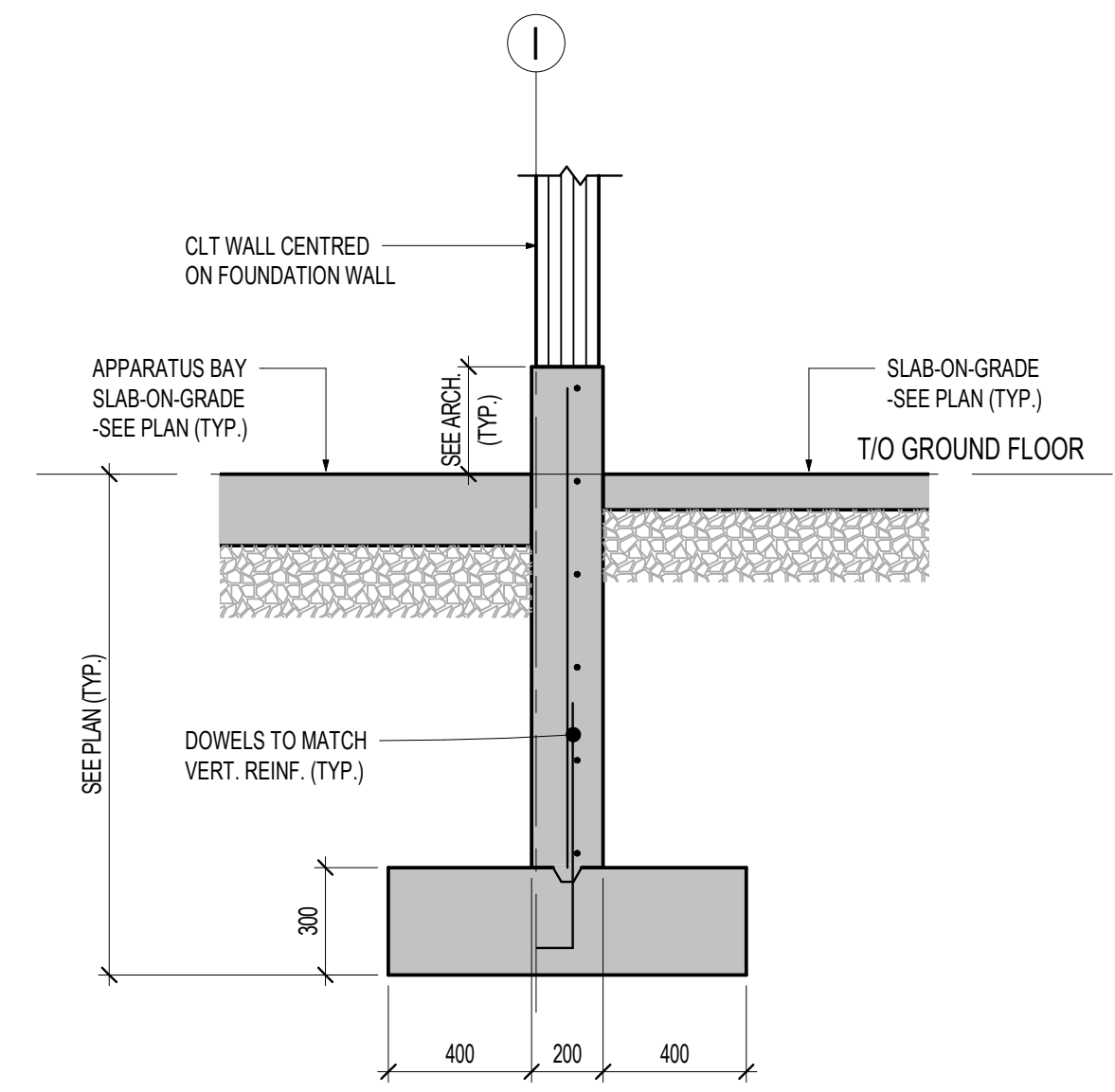
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S2-03 1:10



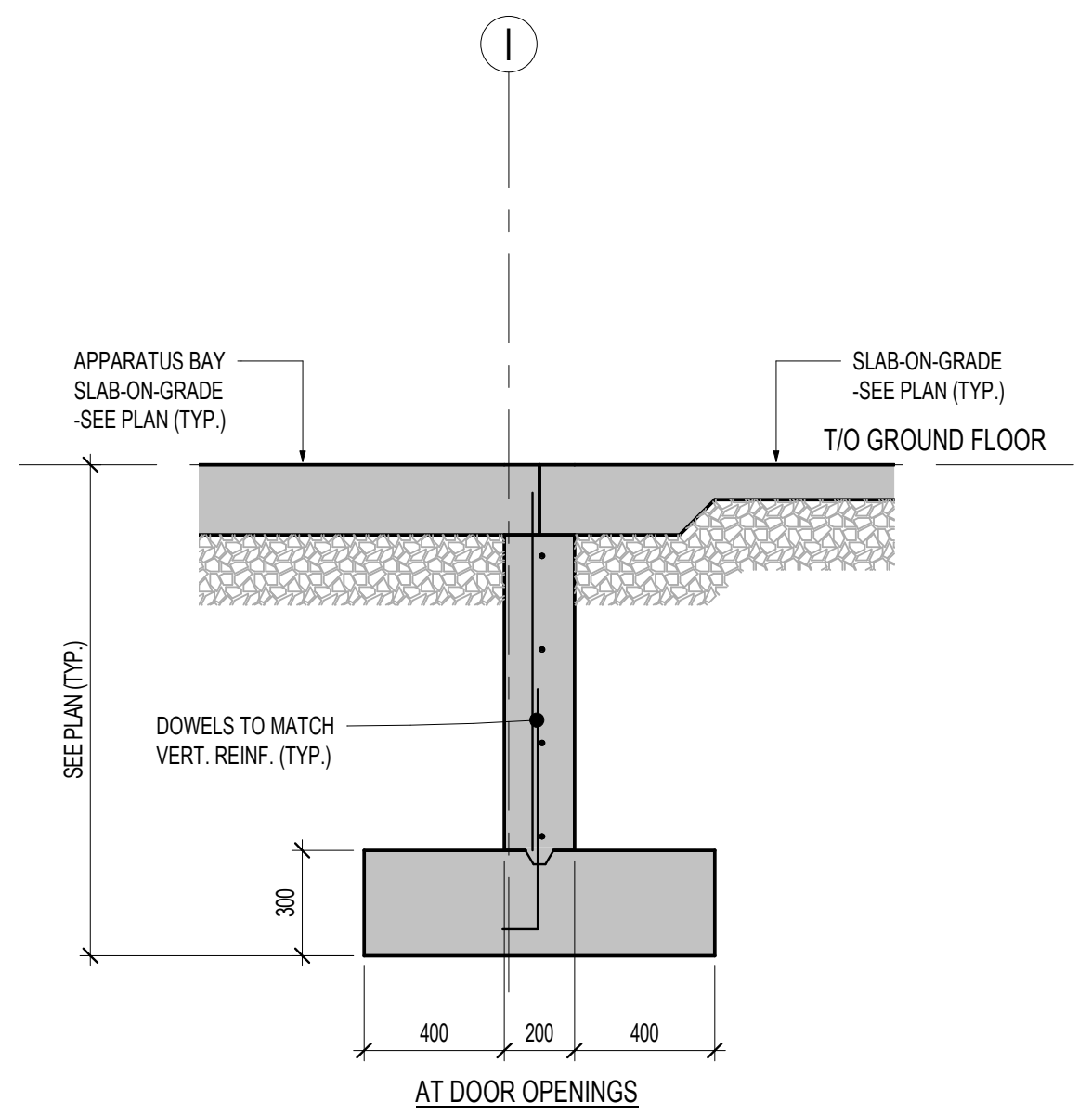
03 SECTION
S2-03 1:20



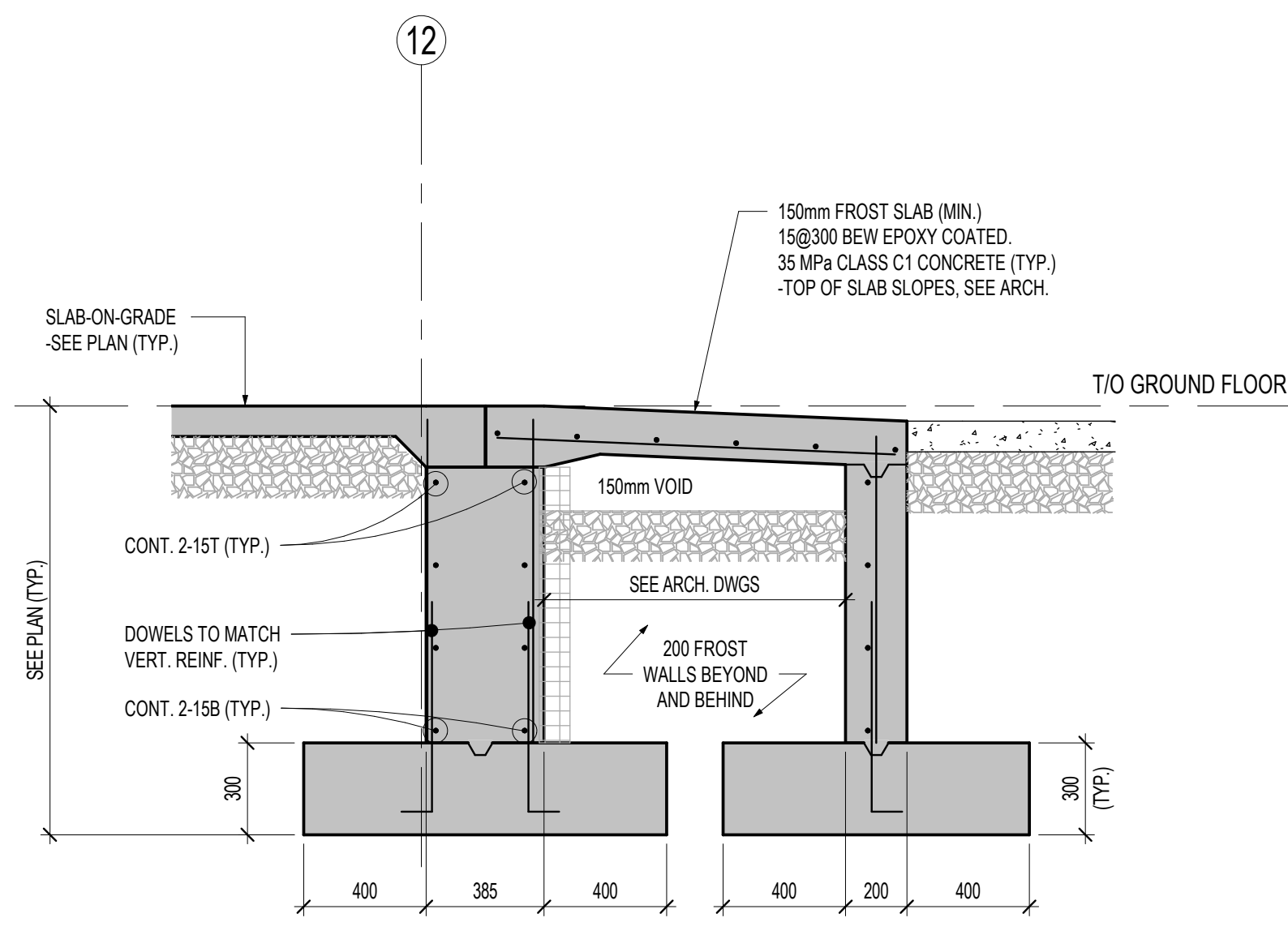
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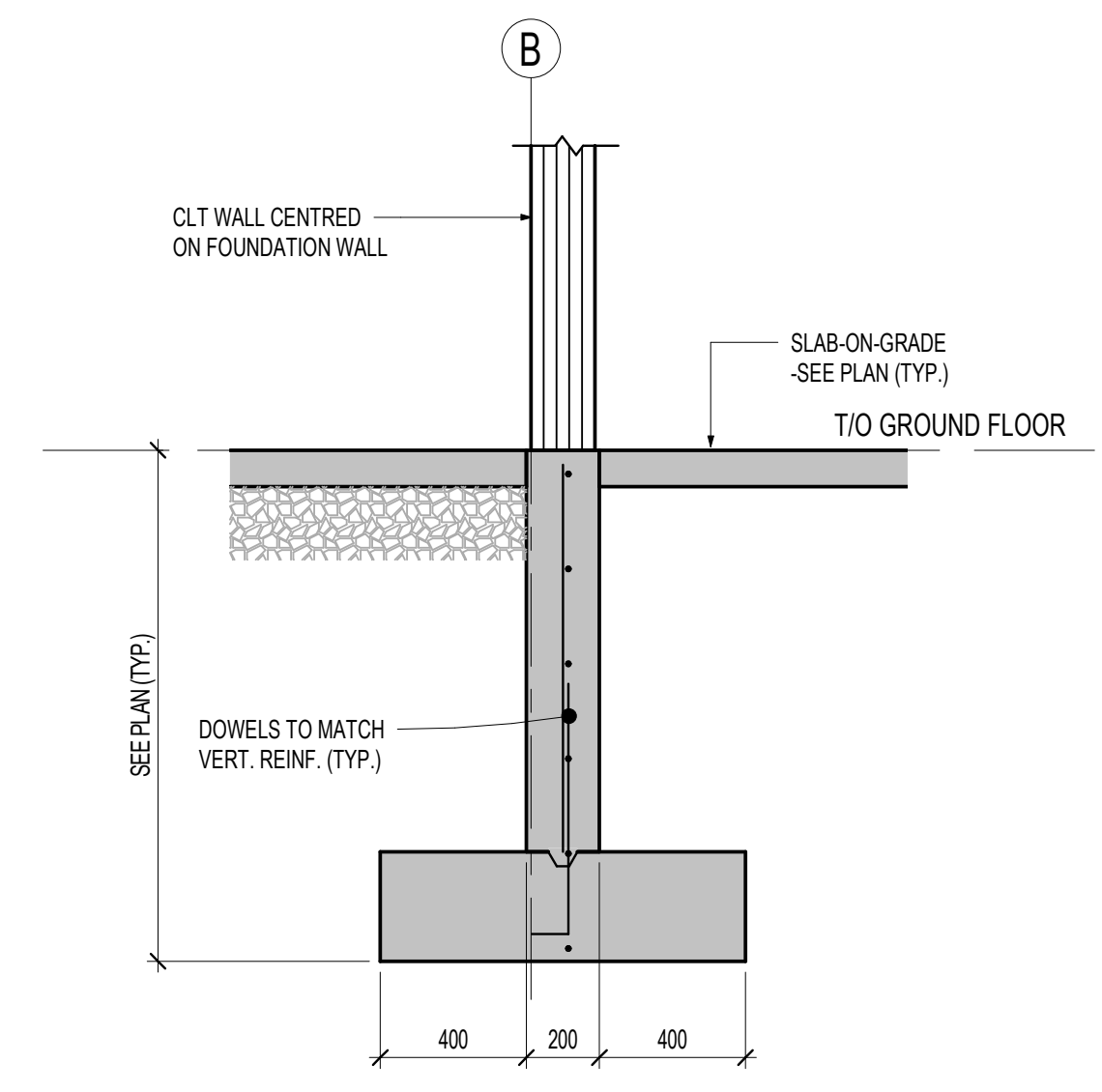
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S2-03 1:20



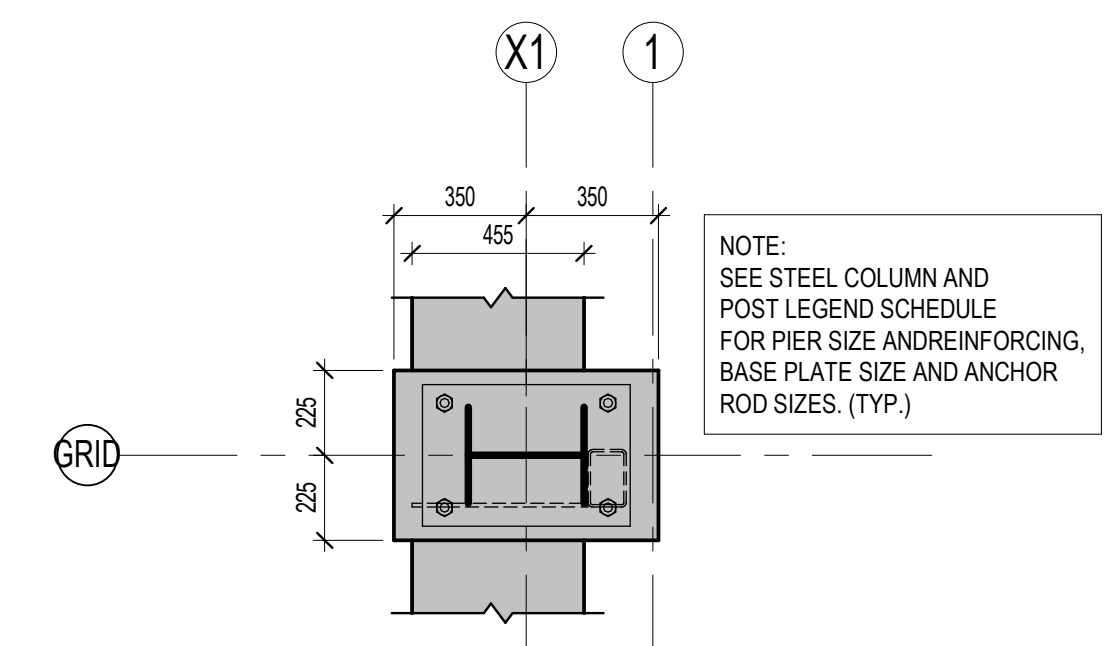
06 SECTION
S2-03 1:20



07 SECTION
S2-03 1:20



F8 SECTION
S2-03 1:20



PD1 DETAIL
S2-03 1:20

TABLE 1: FOUNDATION WALL REINFORCING (UNO)

WALL THICKNESS (mm)	NOMINAL WALL REINFORCEMENT		WALL THICKNESS (mm)	NOMINAL WALL REINFORCEMENT	
	HORIZONTAL	VERTICAL		HORIZONTAL	VERTICAL
≤ 150/200	10@320H (CENTERED)	10@440V (CENTERED)	≤ 450	15@440 HEF	10@280 VEF
≤ 250	10@400 HEF	10@460 VEF	≤ 500	15@400 HEF	15@460 VEF
≤ 300	10@320 HEF	10@440 VEF	≤ 600	15@320 HEF	15@440 VEF
≤ 350	10@280 HEF	10@380 VEF			
≤ 400	10@240 HEF	10@320 VEF			

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CITY OF VAUGHAN
FIRE STATION 7-12

PROJECT: CITY OF VAUGHAN
CLIENT: VAUGHAN

9511 WESTON ROAD, VAUGHAN

VAUGHAN

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Salas O'Brien

2235 Sheppard Ave. E. Suite No. 1100
Toronto, ON M2J 5R5
Stephenson Engineering, a company of Salas O'Brien

DWG TITLE
FOUNDATION SECTIONS

DATE: DEC. 2023

SCALE: As indicated

DRAWN BY: MM

CHECKED BY: MM

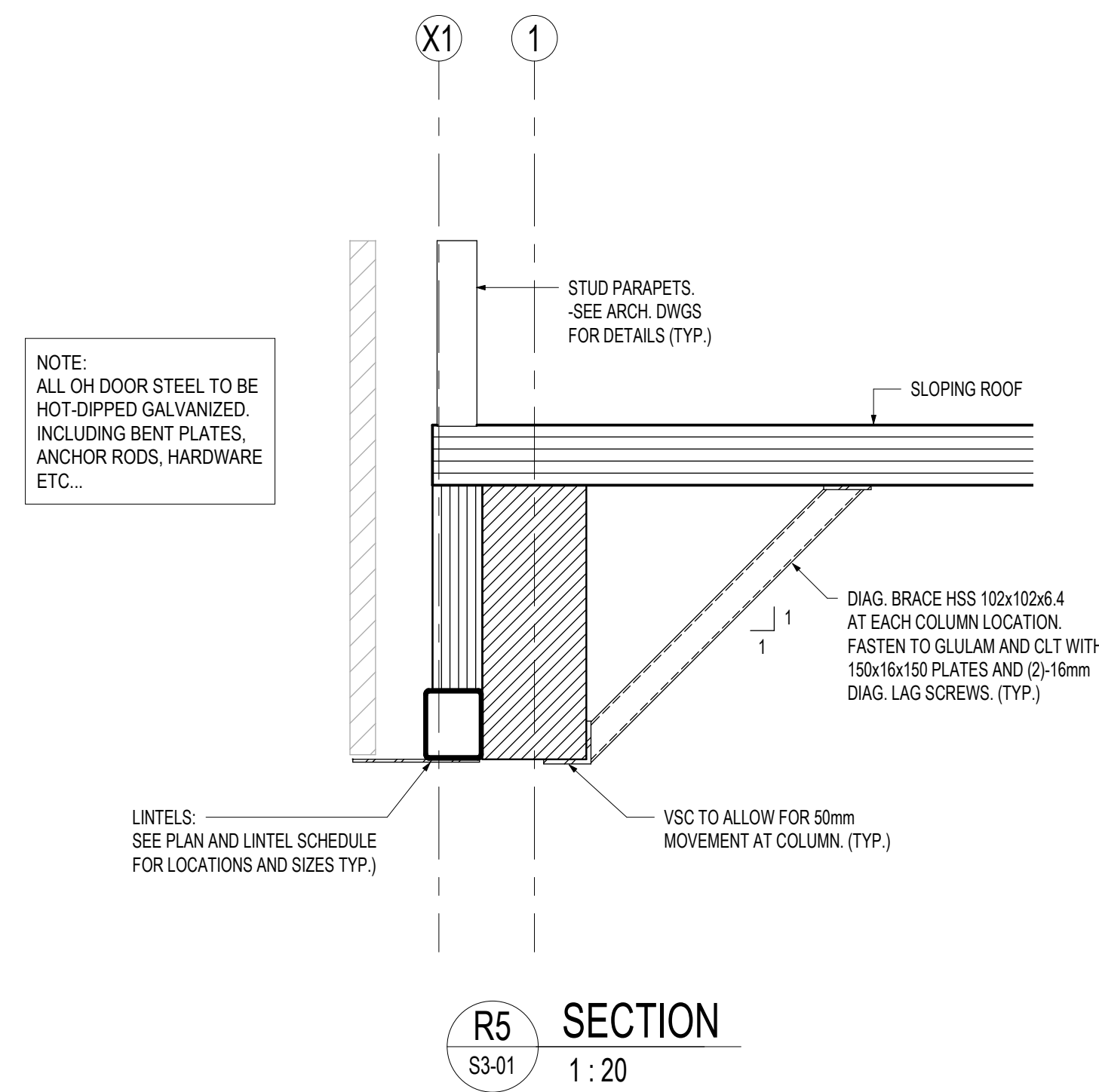
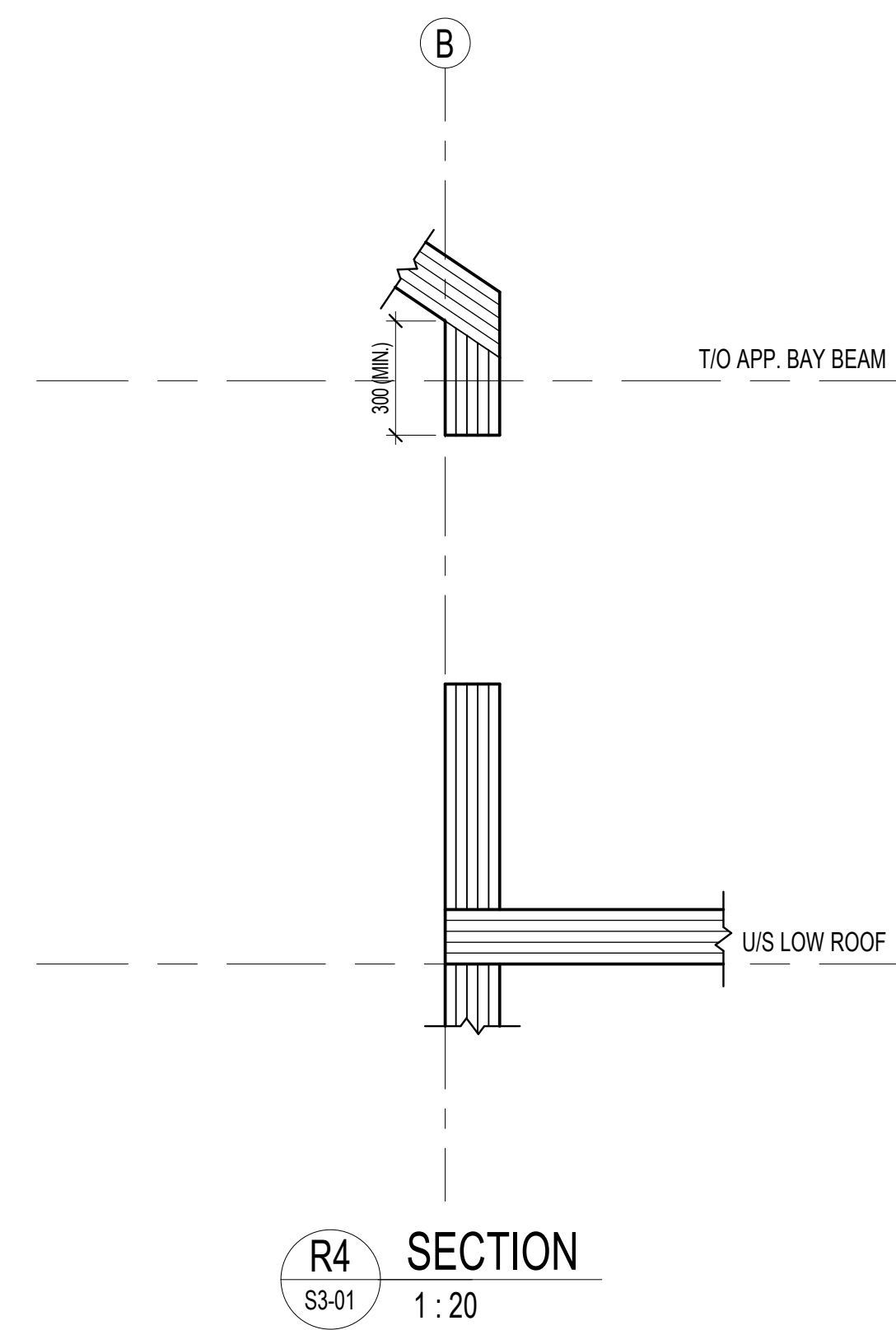
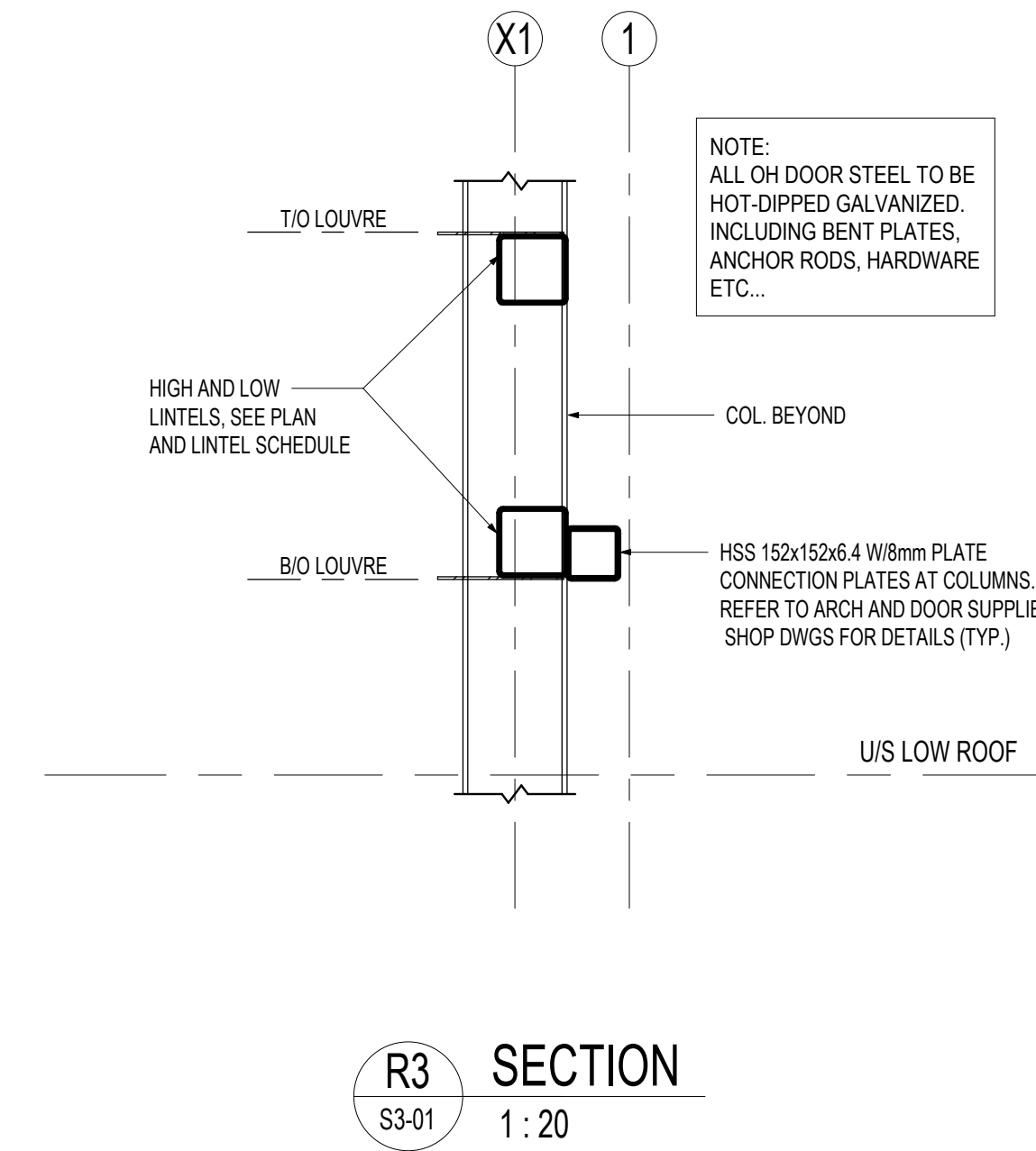
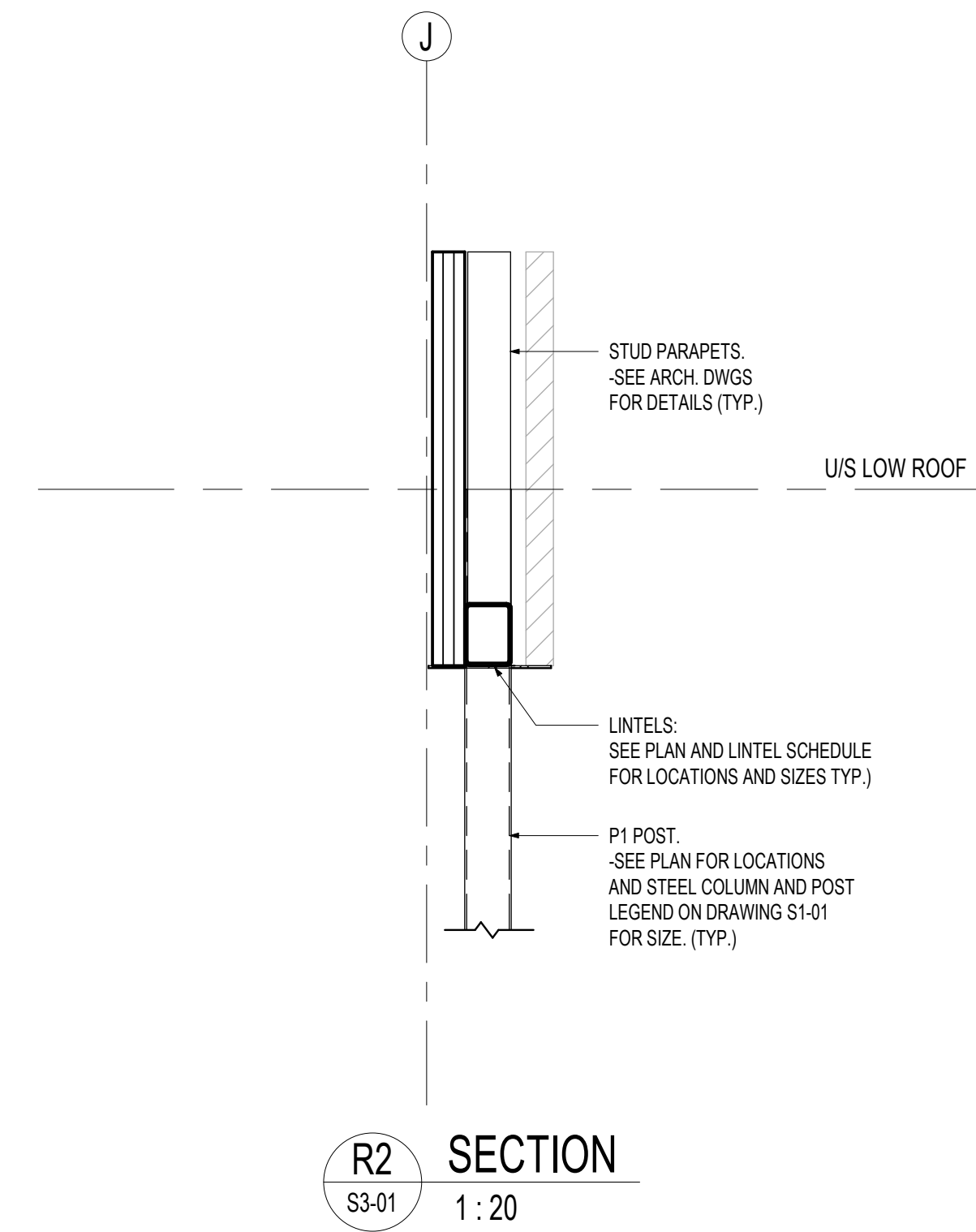
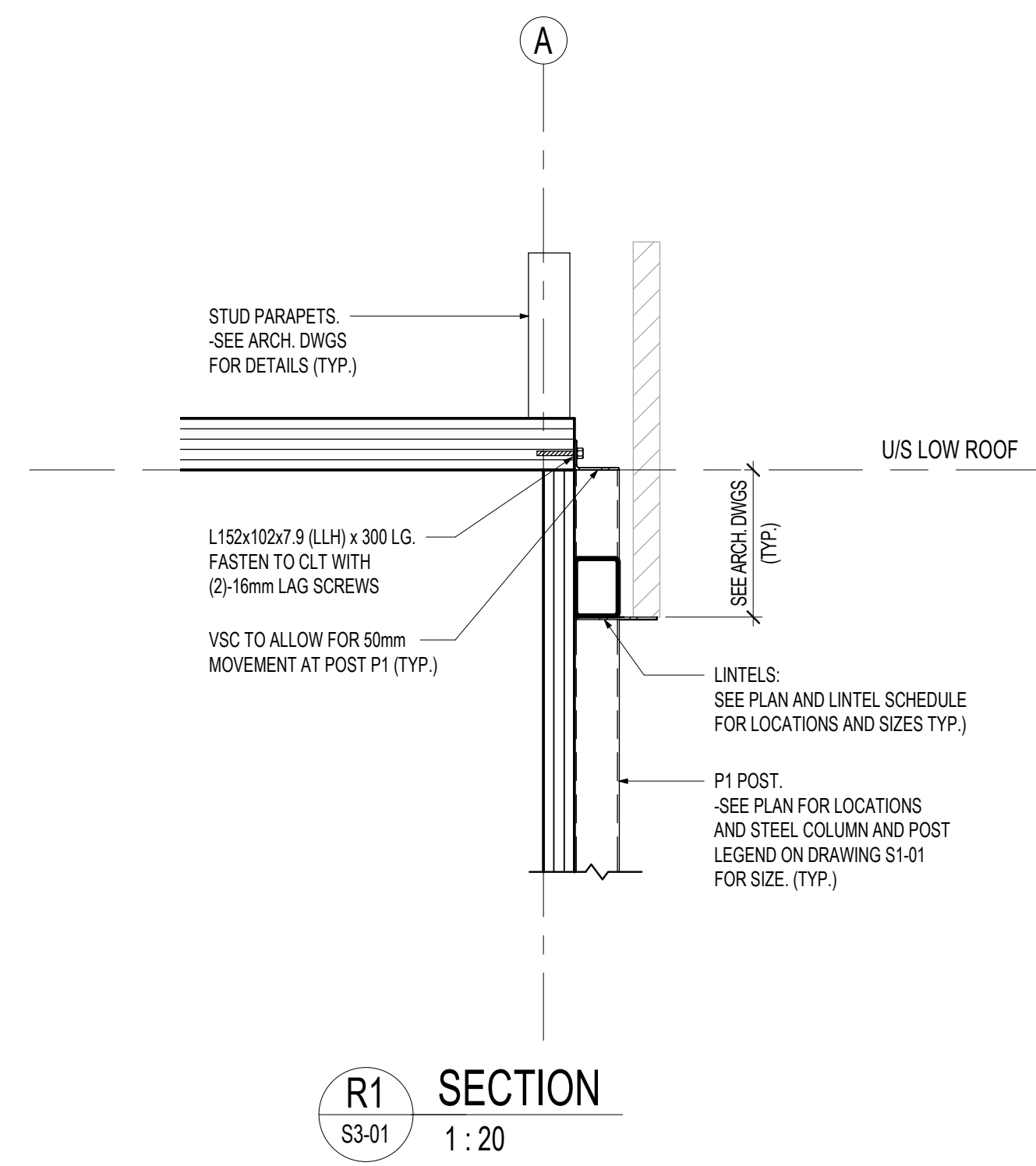
DWG STATUS: TENDER ISSUE

PROJECT NO: 20210932

DRAWING NO: **S2-03**

REVISION: 2

2023-12-01 4:22:06 PM



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2	ISSUED FOR TENDER	DEC/01/23

PROJECT:
**CITY OF VAUGHAN
FIRE STATION 7-12**
9511 WESTON ROAD, VAUGHAN



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PROFESSIONAL SEAL

DWG TITLE
ROOF SECTIONS

ORIENTATION

DATE
DEC. 2023

SCALE
1 : 20

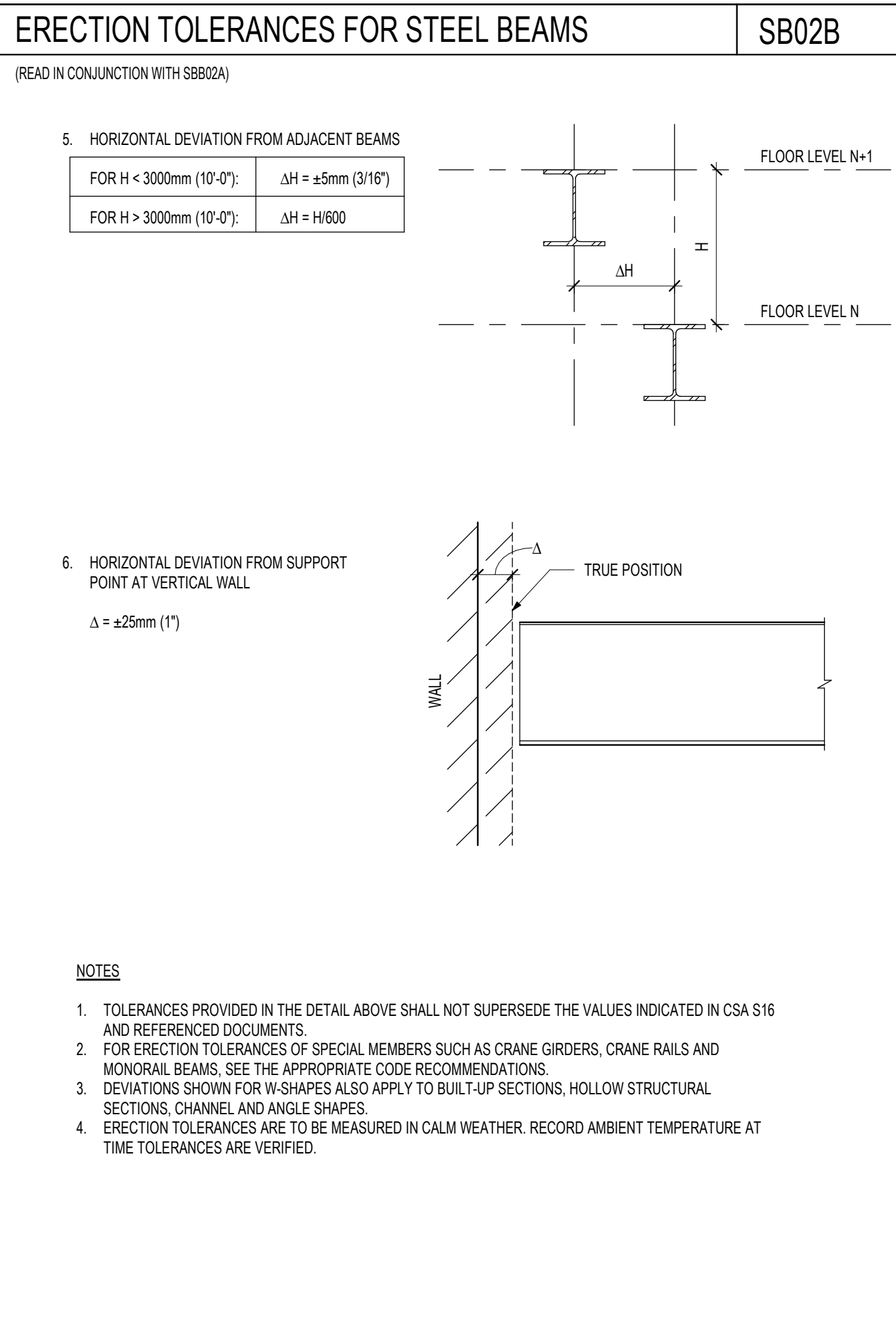
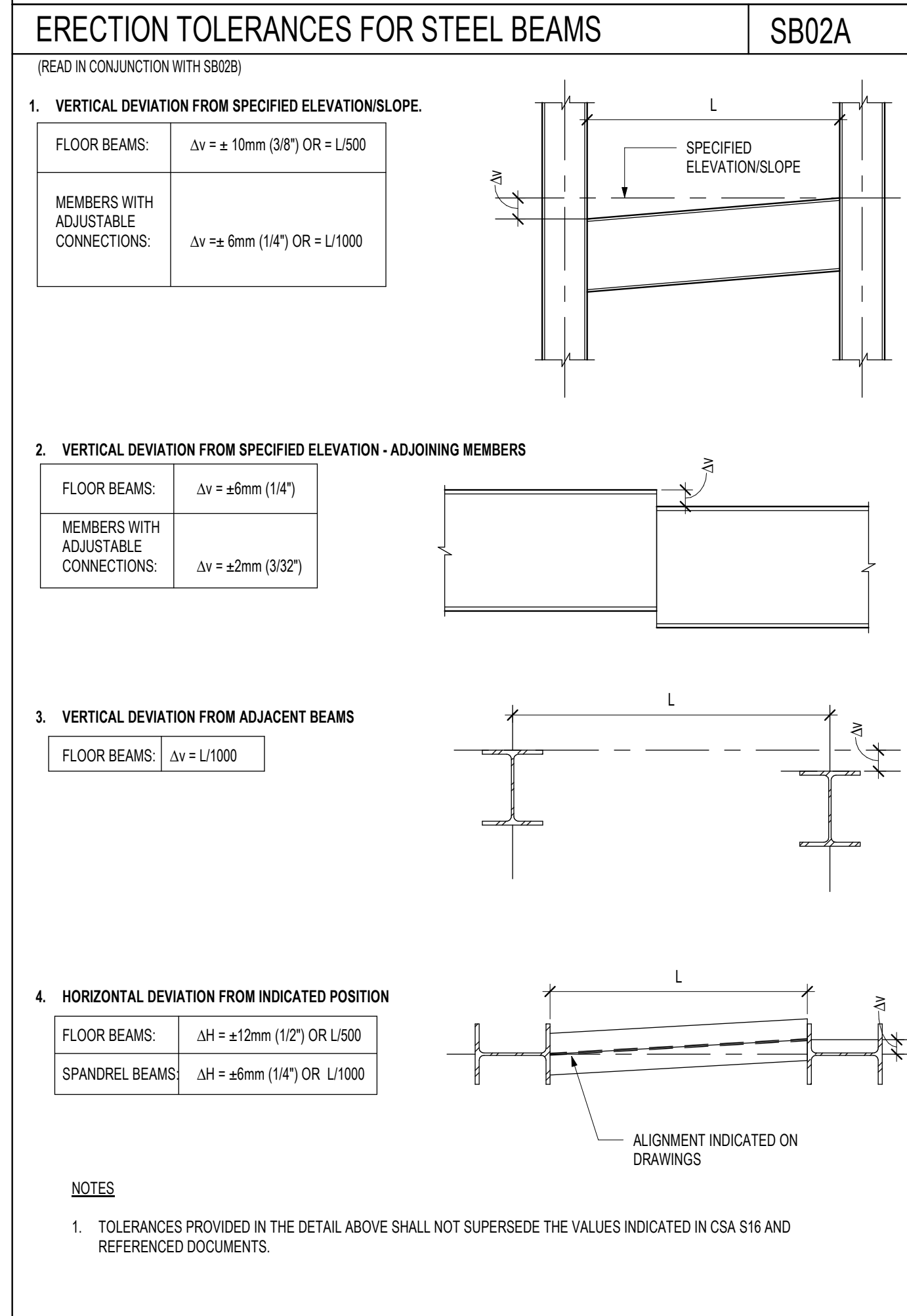
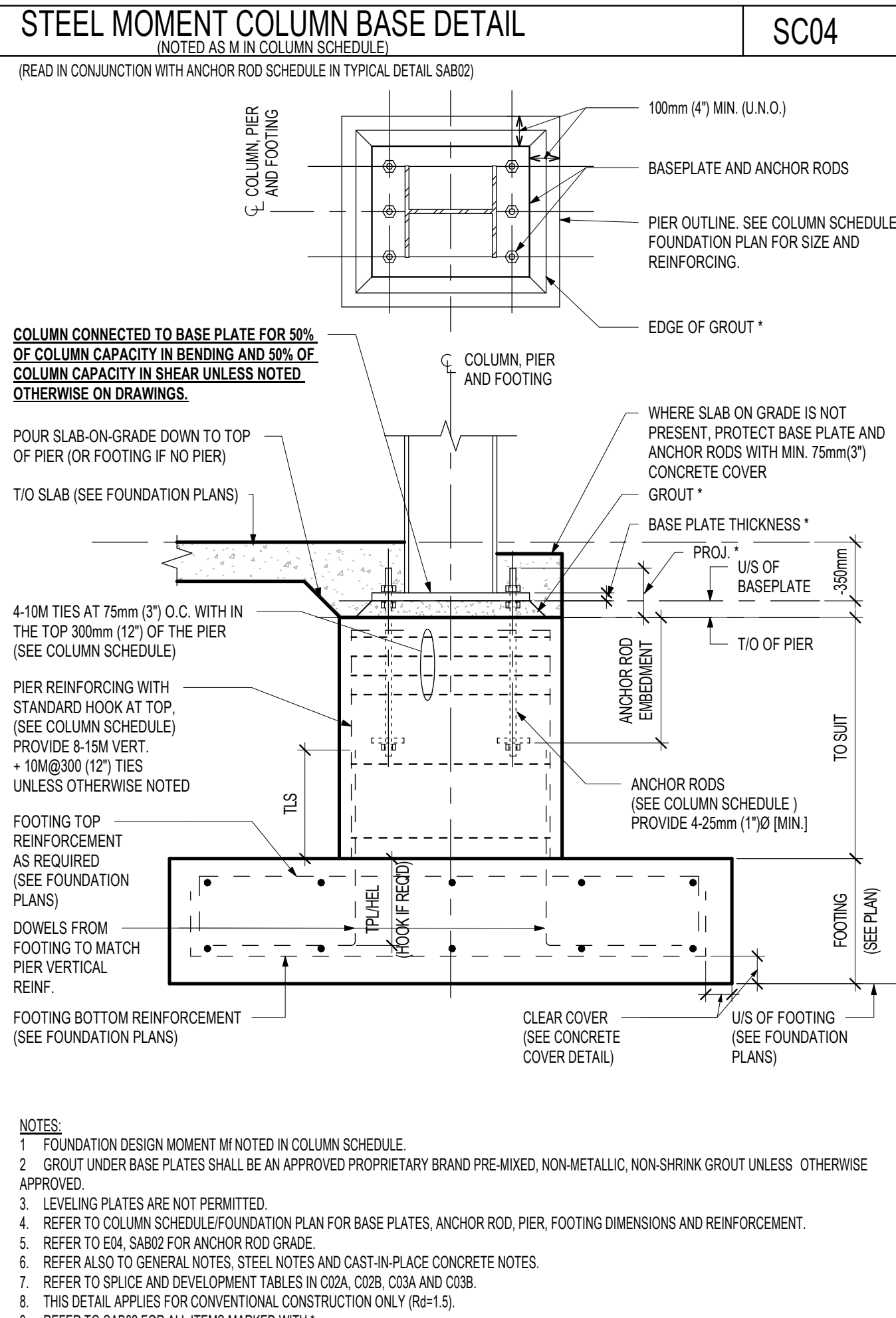
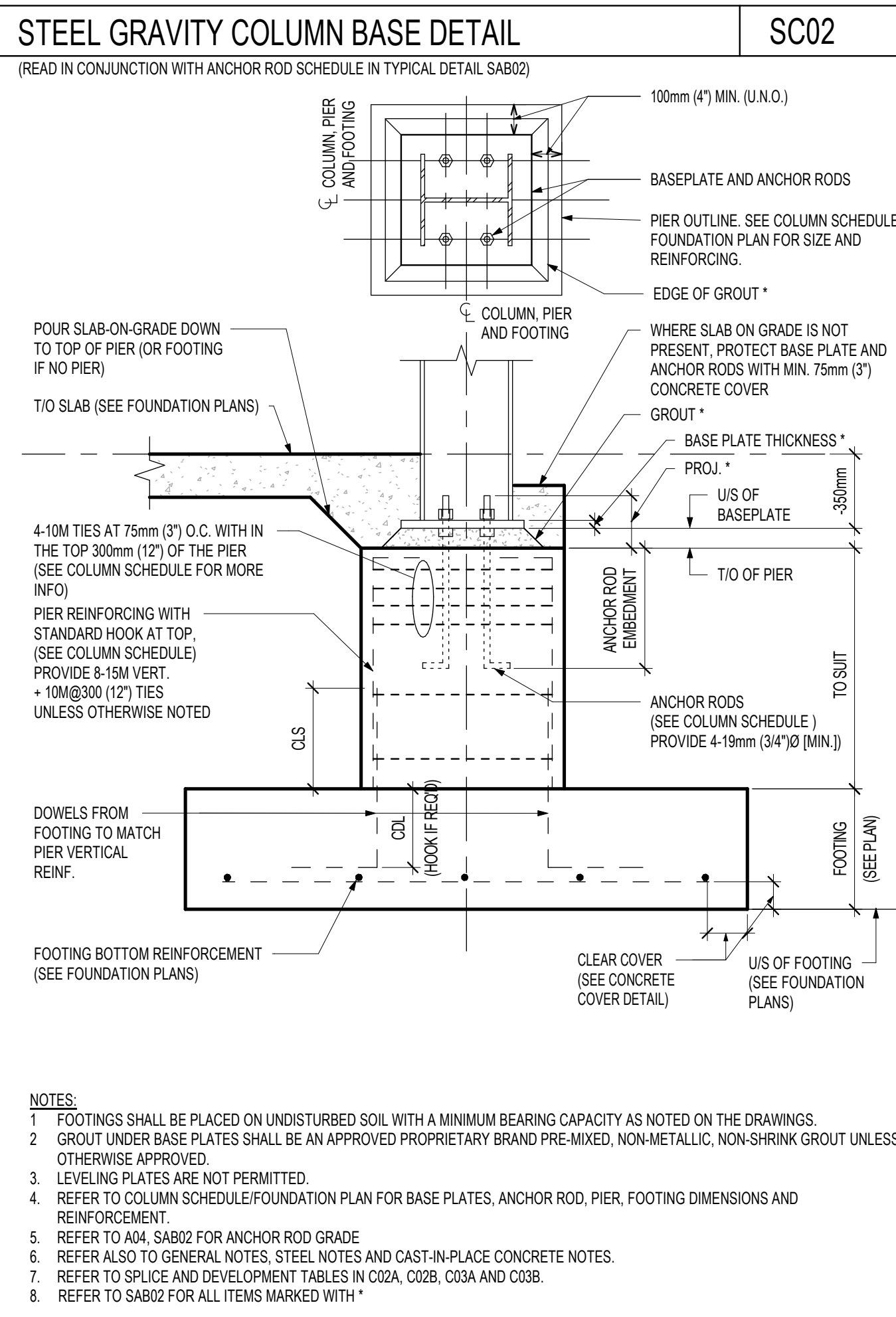
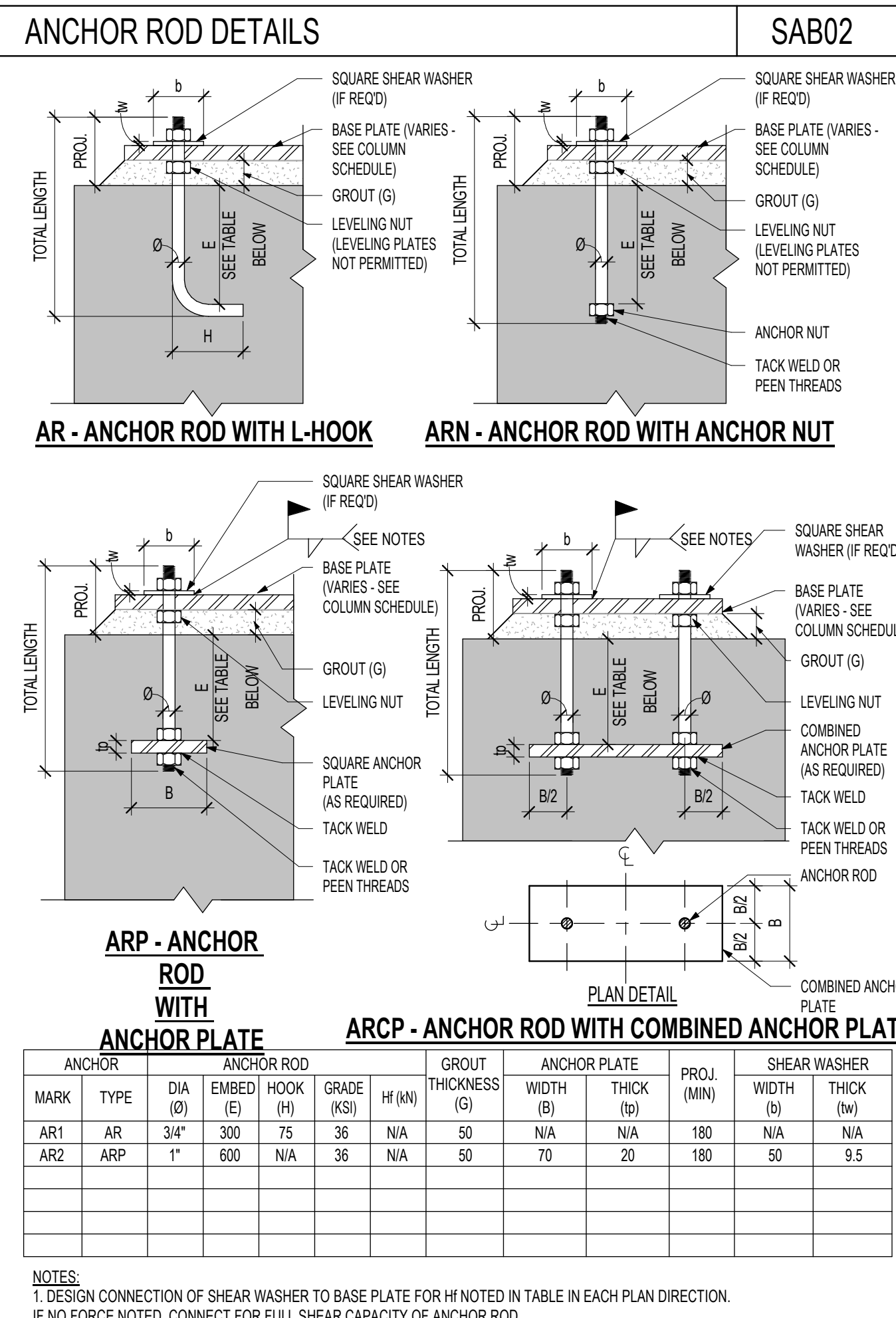
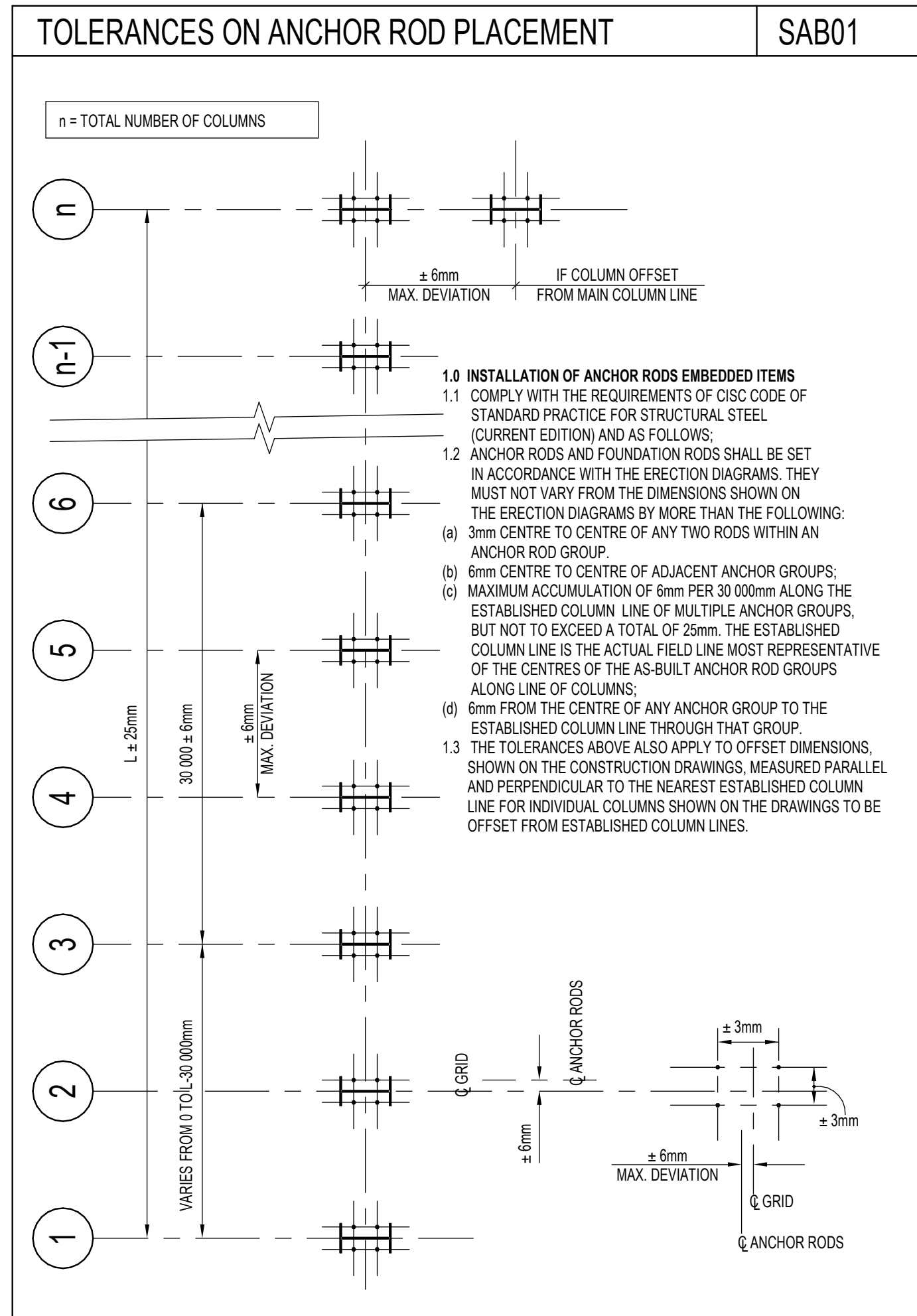
DWG STATUS
TENDER ISSUE

PROJECT No.
20210932

DRAWING No.
S3-01

REVISION
2

2023-12-01 4:22:07 PM



NON-LOAD BEARING BLOCK WALL LINTELS

M01A

WALL OPENING CLEAR SPAN	MASONRY BLOCK THICKNESS				
	90 (4")	140 (6")	190 (8")	240 (10")	290 (12")
300mm TO 500mm (12" TO 22")	75mm X 8mm PL (3"x5/16" PL)	125mm X 8mm PL (5"x5/16" PL)	175mm X 8mm PL (7"x5/16" PL)	225mm X 8mm PL (9"x5/16" PL)	275mm X 8mm PL (11"x5/16" PL)
550mm TO 1200mm (22" TO 4'-0")	1-489x89x6.4 OR 2-144x44x4.8	1-127x89x6.4 (LLV) OR 2-144x44x4.8	2-189x89x6.4	L102x89x6.4 (LLH) + L127x89x6.4 (LLH)	3-189x89x6.4
1200mm TO 1830mm (4'-0" TO 6'-0")	1-127x89x7.9 (LLV) OR 2-151x38x6.4 (LLV)	1-127x127x7.9 OR 2-189x64x6.4 (LLV)	2-189x89x6.4	L102x89x6.4 (LLH) + L127x89x6.4 (LLH)	3-189x89x6.4
1830mm TO 2440mm (6'-0" TO 8'-0")	1-127x89x7.9 (LLV)	1-127x127x7.9 OR 2-189x64x7.9 (LLV)	2-127x89x6.4 (LLV)	L102x102x7.9 + L127x102x7.9 (LLH)	3-127x89x6.4 (LLV)
2440mm TO 3080mm (8'-0" TO 10'-0")	1-127x89x9.5 (LLV)	1-127x127x7.9	2-127x89x7.9 (LLV)	L152x102x7.9 (LLV) + L127x127x7.9	3-127x89x7.9 (LLV)
3080mm TO 3660mm (10'-0" TO 12'-0")	N/A	N/A	W200x27 + 175x6.4 PL, BOTTOM	W200x27 + 225x6.4 PL, BOTTOM	N/A

STRUCTURAL STEEL LINTEL NOTES:

1. WHEN PROVIDING MULTIPLE ANGLES SEE DIAGRAMS FOR ORIENTATION. BOLT DOUBLE ANGLES BACK TO BACK USING 16mm Ø BOLTS OR PROVIDE 6mmx50mm (1/4"x2") LONG WELDS @450mm (18") O/C STARTING AT 100mm (4") MAX FROM THE EACH END OF THE LINTEL.

2. SAWCUT WEBS OF BLOCK IN COURSE OF BLOCK OVER OPENING AS NECESSARY TO INSTALL ANGLES.

3. ALTERNATIVES PROVIDED FOR CASES WHERE EXPOSED FACE OF SINGLE ANGLE IS NOT ACCEPTABLE.

WALL OPENING CLEAR SPAN	MASONRY BEAM LINTELS				
	140 (6")	190 (8")	240 (10")	290 (12")	390 (16")
0mm TO 1200mm (0" TO 4'-0")	390 (16") DEEP 1-10M B	390 (16") DEEP 1-10M B	190 (8") DEEP 1-10M B	190 (8") DEEP 1-10M B	190 (8") DEEP 1-10M B
1200mm TO 1830mm (4'-0" TO 6'-0")	390 (16") DEEP 1-10M B	390 (16") DEEP 1-10M B	390 (16") DEEP 1-10M B	390 (16") DEEP 1-15M B	390 (16") DEEP 1-15M B
1830mm TO 2440mm (6'-0" TO 8'-0")	390 (16") DEEP 1-10M B	390 (16") DEEP 1-15M B	390 (16") DEEP 1-15M B	390 (16") DEEP 1-15M B	390 (16") DEEP 1-15M B
2440mm TO 3080mm (8'-0" TO 10'-0")	390 (16") DEEP 1-10M B	390 (16") DEEP 1-15M B	390 (16") DEEP 1-15M B	390 (16") DEEP 3-10M B	390 (16") DEEP 3-10M B

MASONRY BEAM LINTEL NOTES:

1. BEAM MUST BE FILLED WITH MASONRY GROUT (MORTAR IS NOT ACCEPTABLE). REFER TO M03 FOR DETAILS.

2. TEMPORARILY SHORE LINTEL UNTIL GROUT HAS REACHED FULL DESIGN STRENGTH.

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PROJECT: **CITY OF VAUGHAN FIRE STATION 7-12**

CLIENT: **VAUGHAN**

PROFESSIONAL SEAL: **Salas O'Brien**

2238 Sheppard Ave. E. Suite No. 1100
Toronto, ON M2J 5R5
Stephenson Engineering, a company of Salas O'Brien

DWG TITLE: **TYPICAL NOTES**

DATE: **DEC. 2023**

SCALE: **1 : 1** DRAWN BY: CHECKED BY: **MM**

DWG STATUS: **TENDER ISSUE**

PROJECT NO.: **20210932**

DRAWING NO.: **S4-03** REVISION: **2**

2023-12-01 4:22:12 PM

NO.	ISSUE OR REVISION	ISSUED FOR	DATE
1	DESIGN DEVELOPMENT FOR COSTING		2022.07.07
2	BUILDING PERMIT		2023.09.07
3	CITY COMMENTS		2023.11.10
4	TENDER		2024.04.15

CITY OF VAUGHAN FIRE STATION 7-12

9541 WESTON ROAD, VAUGHAN

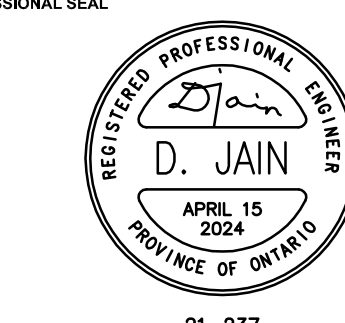
PROJECT:

CLIENT:



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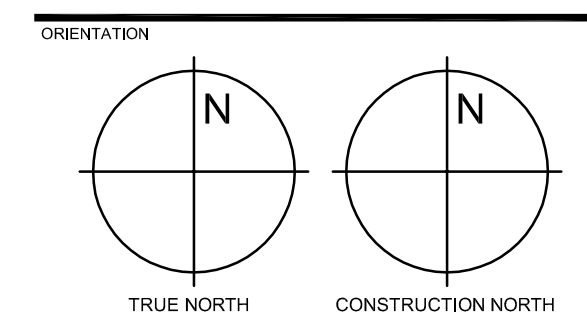
PROFESSIONAL SEAL:



7405 East Danbro Crescent, 2nd Floor
Mississauga, Ontario, L5N 6P8
Tel: 905 285 9900, Fax: 905 567 5246
Email: mail@jainconsultants.com

DWG TITLE:

FLOOR PLAN - PLUMBING -



DATE: 2021-11-24

SCALE: 1:75 DRAWN BY: C.R.

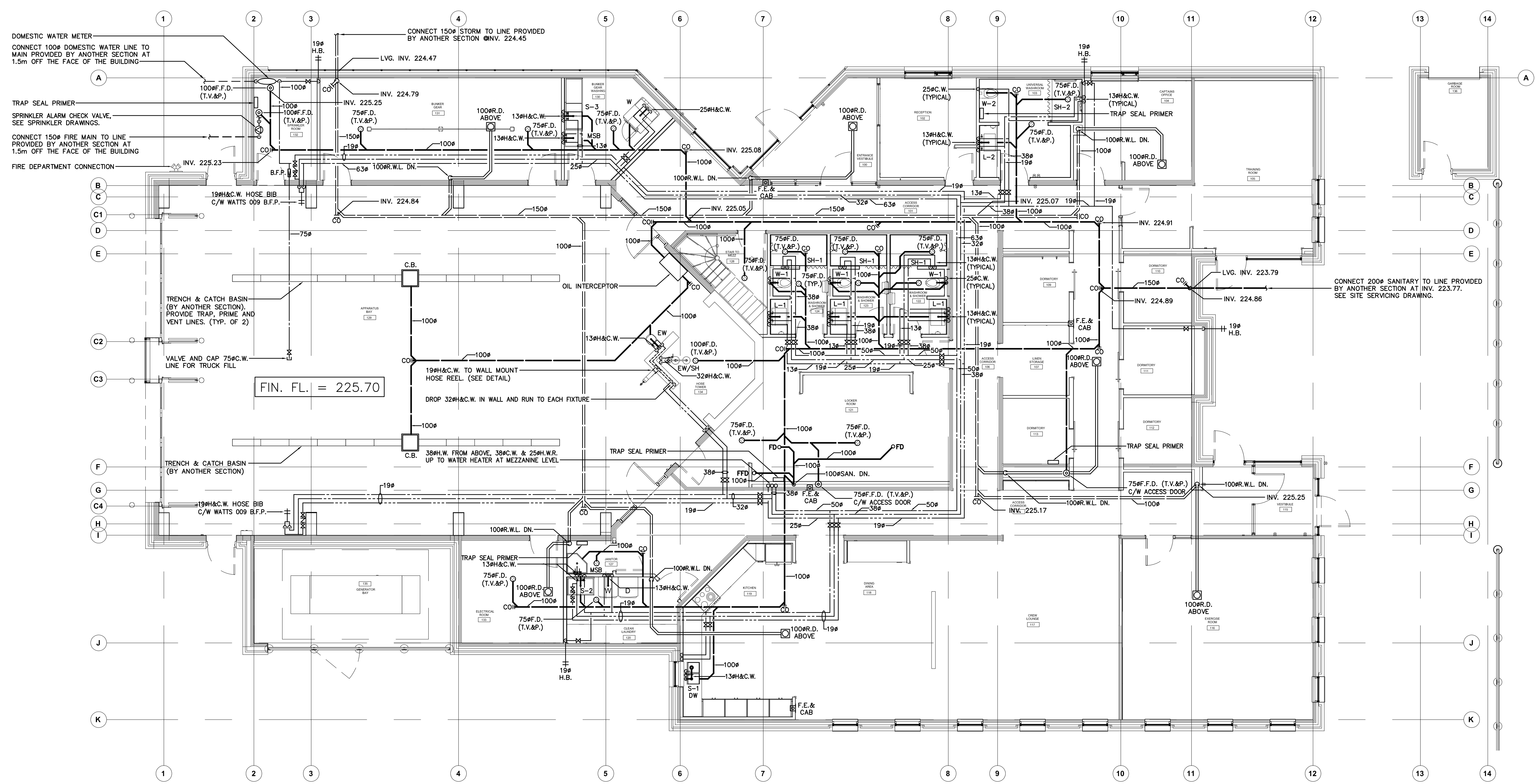
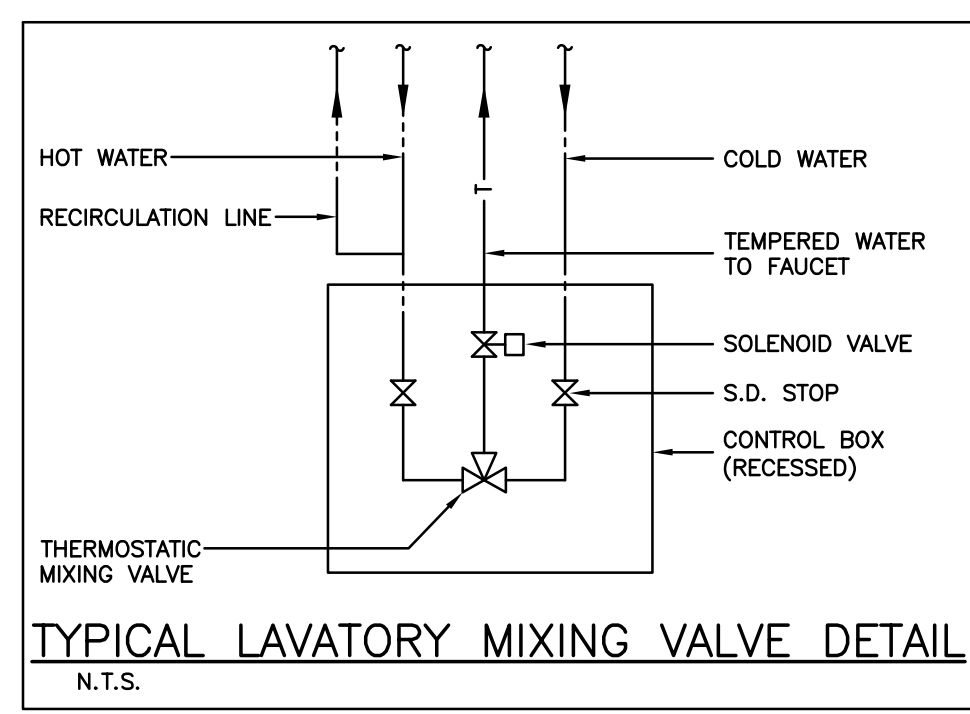
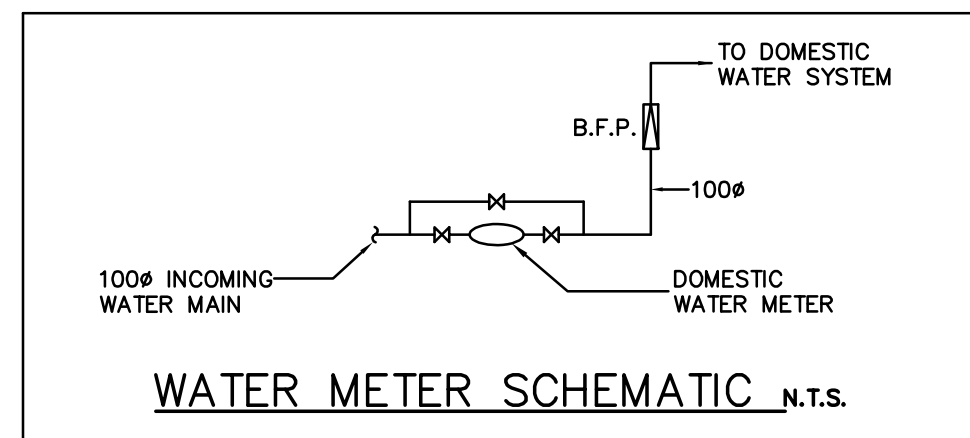
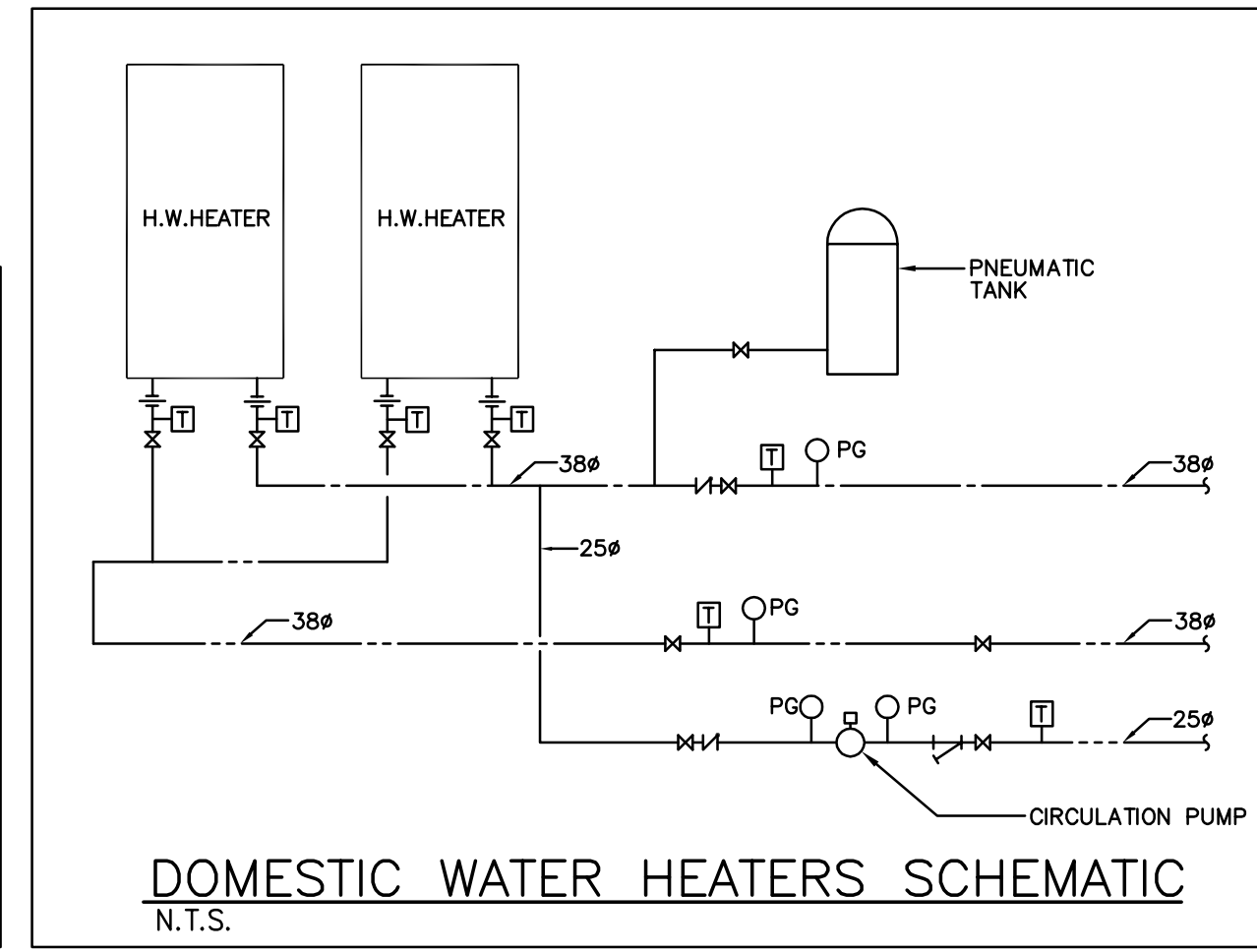
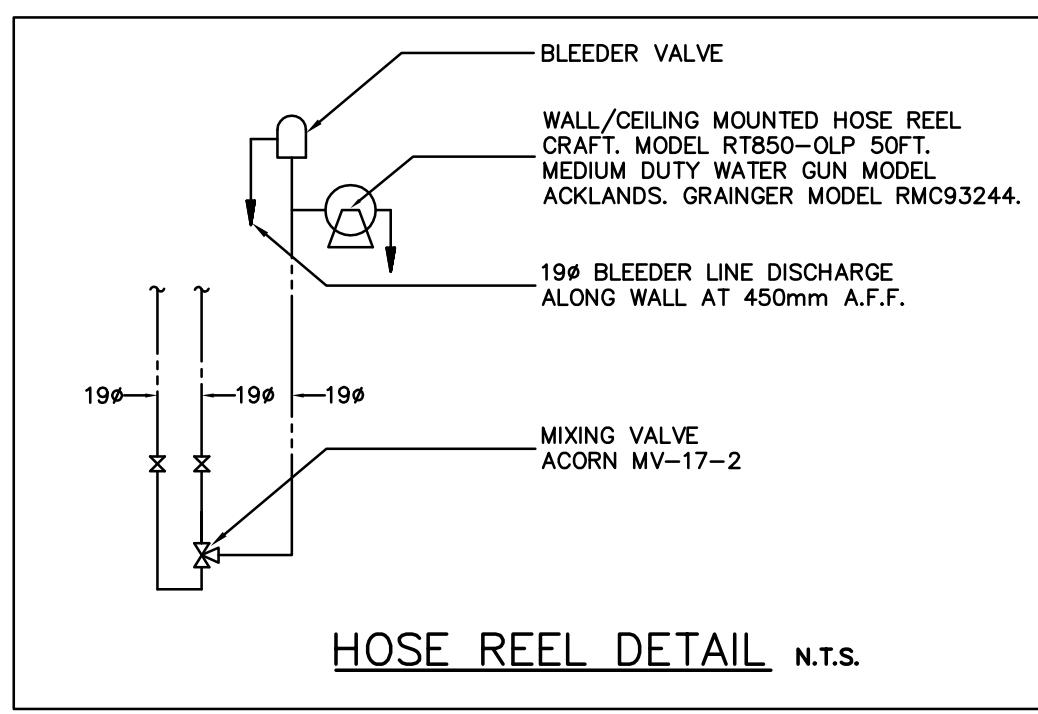
DWG STATUS: TENDER

PROJECT NO.: 2104

DRAWING NO.: M-1.1 REVISION: 04

2022-06-20 2:29:07 PM

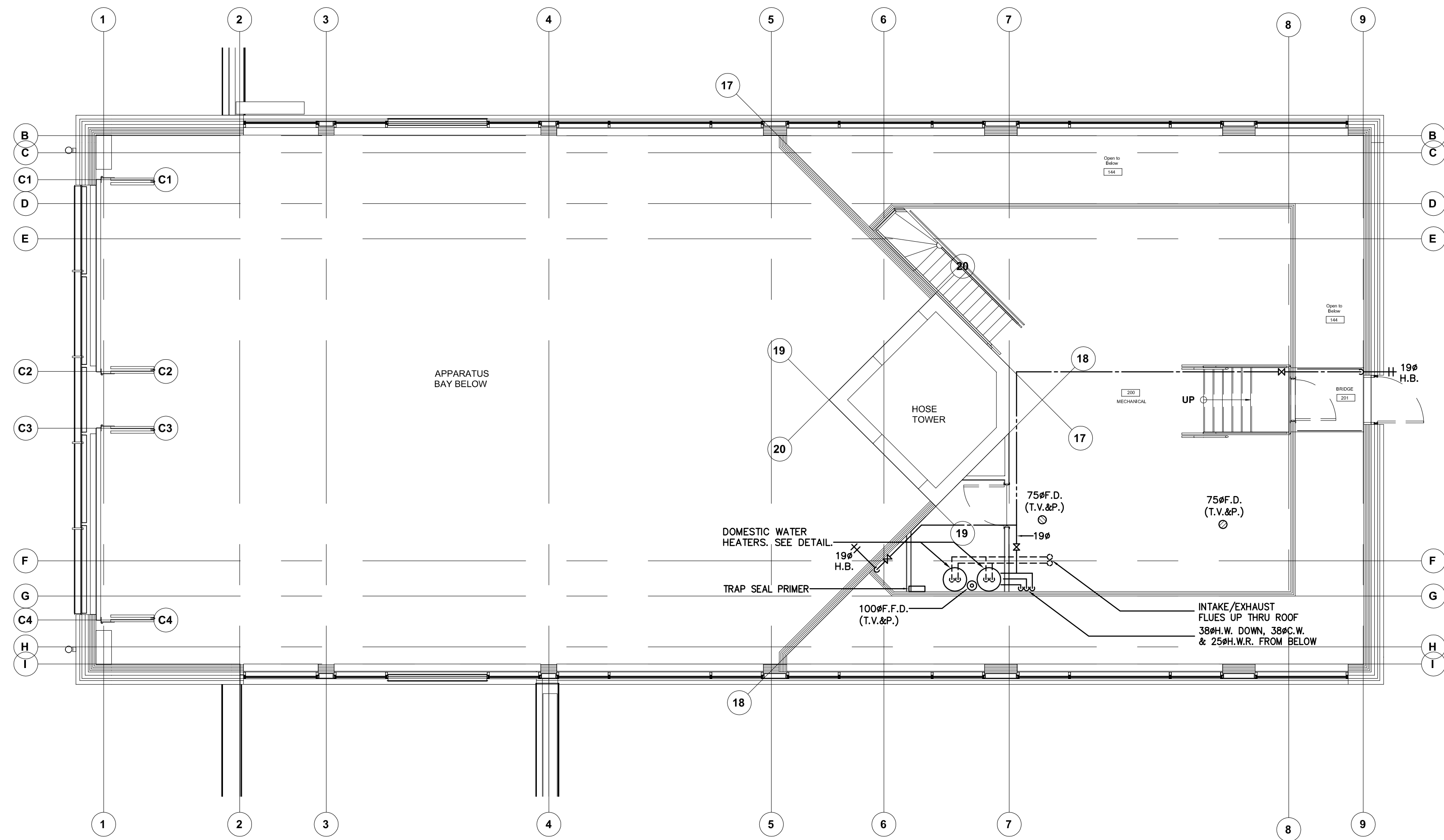
PLUMBING & DRAINAGE LEGEND	
	SANITARY DRAIN (ABOVE GRADE)
	SANITARY DRAIN (BELOW GRADE)
	STORM DRAIN (ABOVE GRADE)
	STORM DRAIN (BELOW GRADE)
	VENT LINE
	DOMESTIC COLD WATER LINE
	DOMESTIC HOT WATER LINE
	DOMESTIC RECIRCULATION LINE
	CLEANOUT
	FLOOR DRAIN
	FUNNEL FLOOR DRAIN
	GATE VALVE
	CHECK VALVE
	GLOBE VALVE
	UNION
	BACKFLOW PREVENTER
	FIRE EXTINGUISHER
	FIRE EXTINGUISHER & CABINET
	TRAP, VENT & FLUSH
	RAINWATER LEADER
	FLOOR DRAIN (T.V. AND F.)



ISSUE OR REVISION		
NO.	ISSUED FOR	DATE
1	DESIGN DEVELOPMENT FOR COSTING	2022.07.07
2	BUILDING PERMIT	2023.09.07
3	CITY COMMENTS	2023.11.10
4	TENDER	2024.04.15

**CITY OF VAUGHAN FIRE
STATION 7-12**

9541 WESTON ROAD, VAUGHAN



PLUMBING & DRAINAGE LEGEND	
	SANITARY DRAIN (ABOVE GRADE)
	SANITARY DRAIN (BELOW GRADE)
	STORM DRAIN (ABOVE GRADE)
	STORM DRAIN (BELOW GRADE)
	VENT LINE
	DOMESTIC COLD WATER LINE
	DOMESTIC HOT WATER LINE
	DOMESTIC RECIRCULATION LINE
	FIRE LINE (STANDPIPE SYSTEM)
	GAS LINE
	GREY WATER
	TEMPERED WATER LINE
	CLEANOUT
	FLOOR DRAIN
	FUNNEL FLOOR DRAIN
	GATE VALVE
	CHECK VALVE
	GLOBE VALVE
	UNION
	BACKFLOW PREVENTER
	FIRE EXTINGUISHER
	FIRE EXTINGUISHER & CABINET
	TRAP, VENT & FLUSH
	RAINWATER LEADER
	FLOOR DRAIN (T.V. AND F.)

PROJECT:

CLIENT:



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PROFESSIONAL SEAL:



21-237

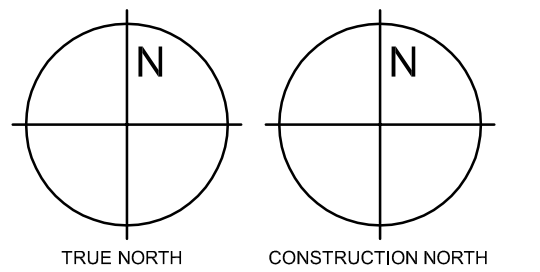
Jain

7405 East Danbro Crescent, 2nd Floor
Mississauga, Ontario, L5N 6P8
Tel: 905 285 9900, Fax: 905 567 5246
Email: mail@jainconsultants.com

DWG TITLE:

**MEZZANINE PLAN
- PLUMBING -**

ORIENTATION:



DATE: 2021-11-24

SCALE: 1:75 DRAWN BY: C.R.

DWG STATUS:

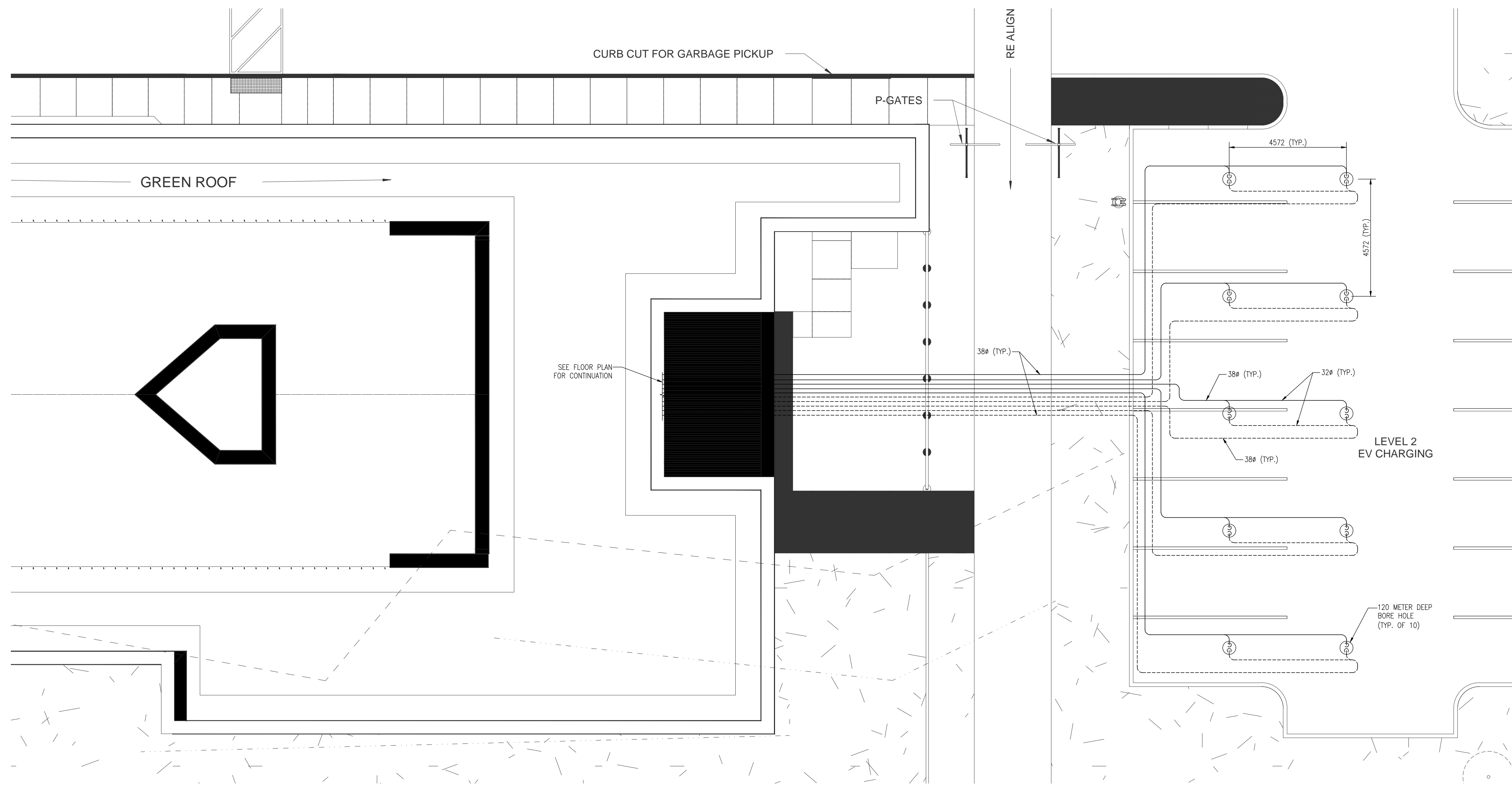
TENDER

PROJECT NO.: 2104

DRAWING NO.: **M-1.2** REVISION: 04

2022-06-20 2:29:07 PM

ISSUE OR REVISION		
NO.	ISSUED FOR	DATE
1	DESIGN DEVELOPMENT FOR COSTING	2022-07-07
2	ISSUED FOR PERMIT	2023-09-06
3	ISSUED FOR TENDER	2024-04-15



HVAC LEGEND	
	DOUBLE LINE DUCT (FIRST FIGURE IS DUCT WIDTH)
	OPEN END DUCT C/W 13mm MESH SCREEN
	SUPPLY DUCT
	RETURN / EXHAUST DUCT
	SQUARE DIFFUSER
	300x300 RETURN/EXHAUST AIR GRILLE
	600x300 RETURN/EXHAUST AIR GRILLE
	600x600 RETURN/EXHAUST AIR GRILLE
	300x300 RETURN/EXHAUST AIR GRILLE C/W 300x200 SOUNDLINED AIR TRANSFER DUCT
	NECK SIZE (mm)
	TYPE OF DIFFUSER
	AIR AMOUNT (L/S)
	SUPPLY, RETURN, & EXHAUST GRILLE SIZE (mm)
	AIR AMOUNT (L/S)
	BALANCING DAMPER
	FIRE DAMPER
	UNDER CUT DOOR BY ANOTHER TRADE SECTION
	GLYCOL SUPPLY
	GLYCOL RETURN
	THERMOSTAT
	CO SENSER
	NOX SECSEER
	SPEED CONTROLLER
	HUMIDISTAT
	STARTER
	BASEBOARD HEATER
	FORCE FLOW HEATER
	FUNNEL FLOOR DRAIN
	BACKDRAFT DAMPER
	SPLITTER DAMPER

SITE PLAN - HVAC GEOTHERMAL SYSTEM LAYOUT
SCALE: 1:100

PROJECT:
**CITY OF VAUGHAN FIRE
STATION 7-12**
CLIENT:
Enter address here

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TO COMMENCEMENT OF THE WORK. ANY DISCREPANCIES
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Jain
7405 EAST DANBRO CRESCENT
MISSISSAUGA, ONTARIO, L5N 6P8
TEL. 905 285 9900, FAX 905 567 5246
Email : mail@jainconsultants.com

PROFESSIONAL SEAL

21-237

DWG TITLE
**SITE PLAN -
HVAC**

ORIENTATION

TRUE NORTH CONSTRUCTION NORTH

DATE	2022-06-24	
SCALE	As indicated	DRAWN BY JY
DWG STATUS	TENDER	
PROJECT No.	21-237	
DRAWING No.	M2.0	REVISION

2021-12-03 12:03:37 PM

ISSUE OR REVISION

NO.	ISSUED FOR	DATE
1	DESIGN DEVELOPMENT FOR COSTING	2022-07-07
2	ISSUED FOR PERMIT	2023-09-06
3	ISSUED FOR TENDER	2024-04-15

CITY OF VAUGHAN FIRE
STATION 7-12

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PROJECT:

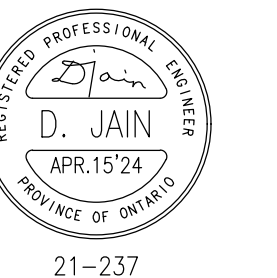
CLIENT:

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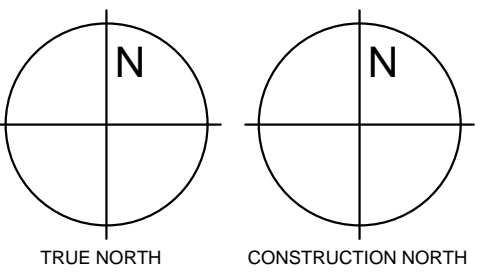
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DWG TITLE

FLOOR PLAN - HVAC

ORIENTATION



DATE

2022-06-24

SCALE

As indicated

DRAWN BY

JY

DWG STATUS:

TENDER

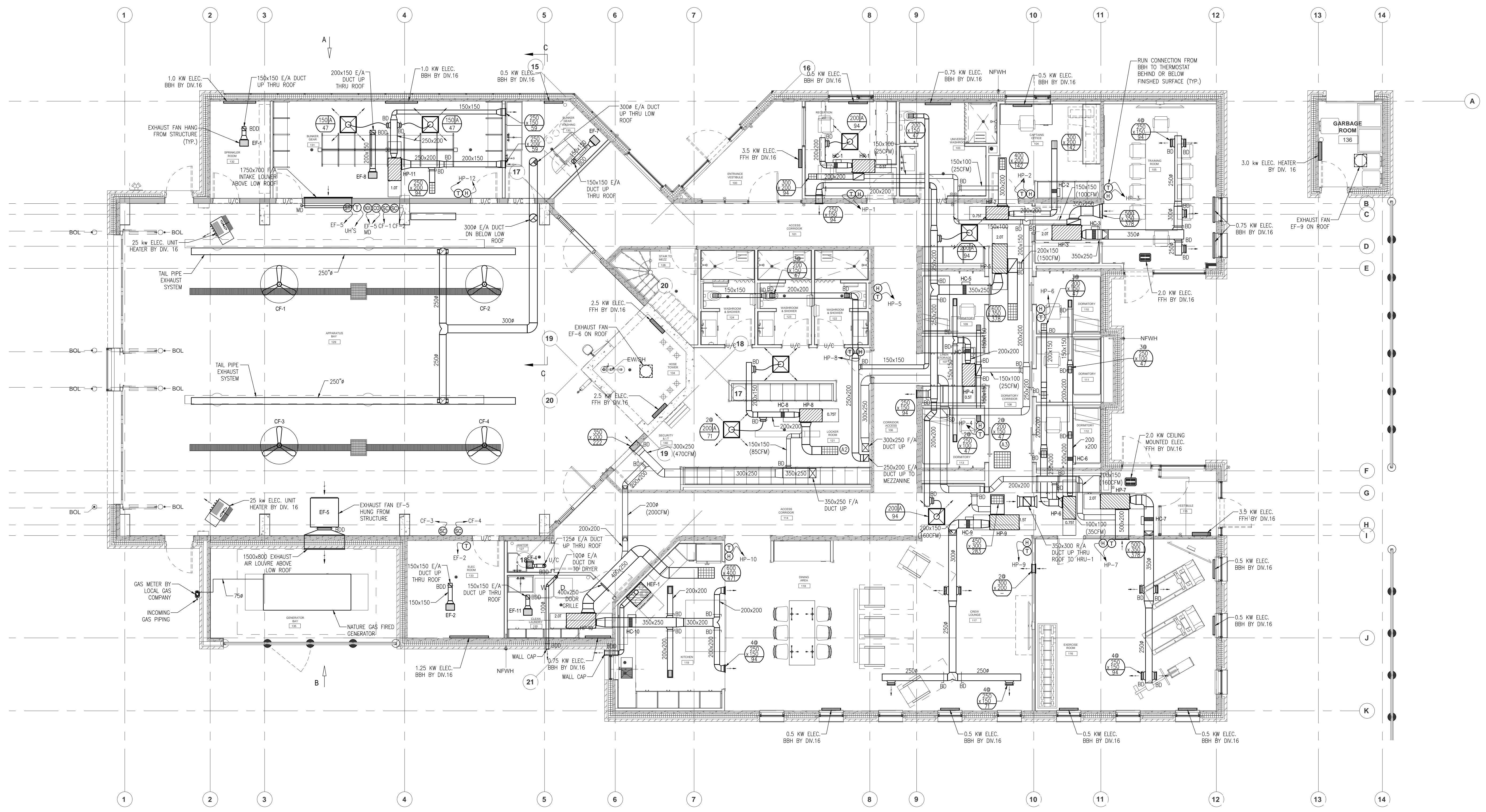
PROJECT No.

21-237

DRAWING No.

M2.1

REVISION

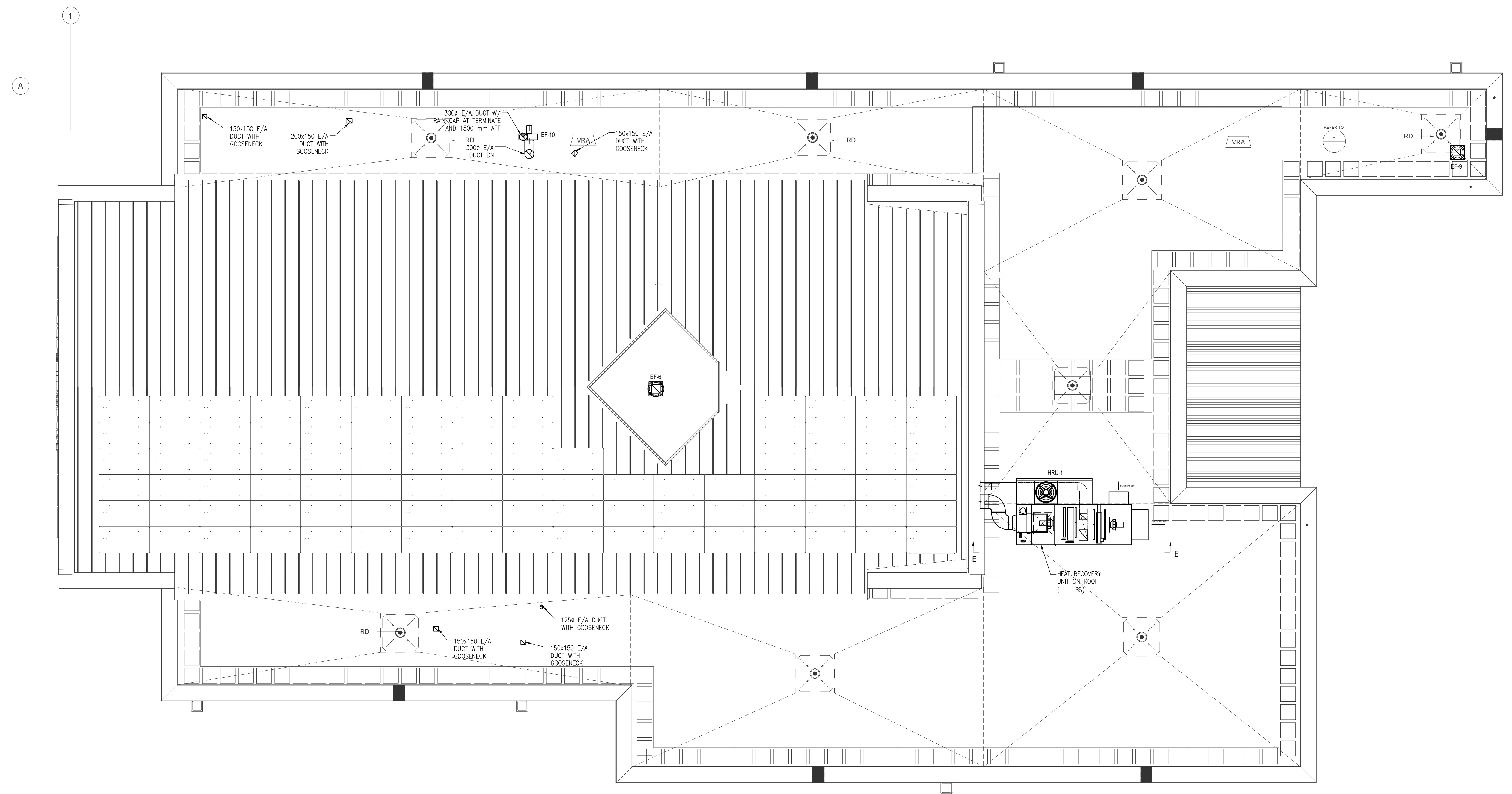


FLOOR PLAN - HVAC
SCALE: 1:75

2021-12-03 12:03:37 PM

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NO.	ISSUED FOR	DATE
1	DESIGN DEVELOPMENT FOR COSTING	2022-07-07
2	ISSUED FOR PERMIT	2023-09-06
3	ISSUED FOR TENDER	2024-04-15



ROOF PLAN - HVAC
SCALE: 1:75

PROJECT:
**CITY OF VAUGHAN FIRE
STATION 7-12**
CLIENT:
Enter address here

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PROFESSIONAL SEAL

 21-237

DWG TITLE
**ROOF PLAN -
HVAC**

ORIENTATION

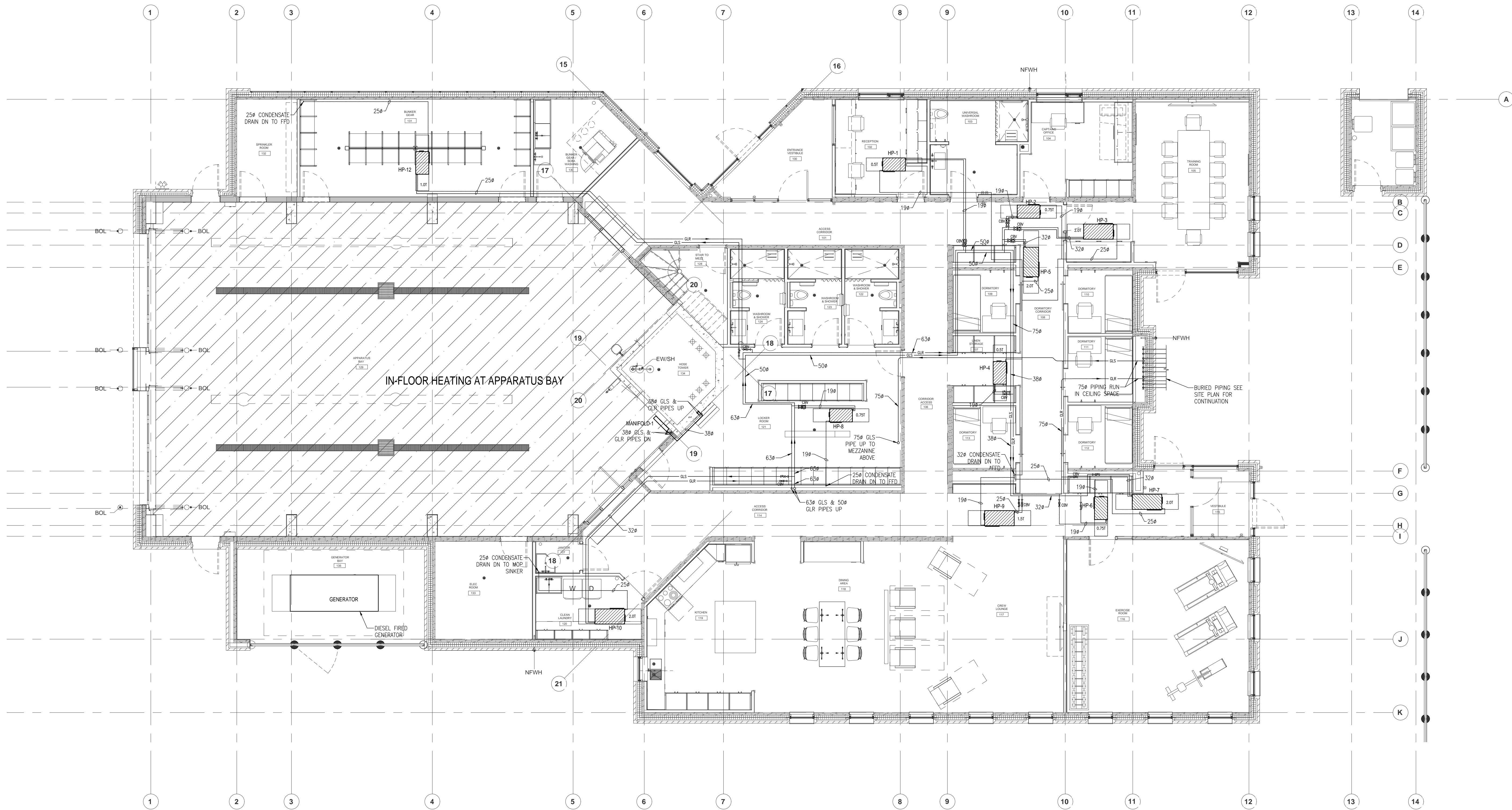
 TRUE NORTH CONSTRUCTION NORTH

DATE	2022-06-24	
SCALE	As indicated	DRAWN BY JY
DWG STATUS	TENDER	
PROJECT No.	21-237	
DRAWING No.	M2.2	REVISION

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ISSUE OR REVISION

NO.	ISSUED FOR	DATE
1	DESIGN DEVELOPMENT FOR COSTING	2022-07-07
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3	ISSUED FOR TENDER	2024-04-15



FLOOR PLAN - HVAC PIPING
SCALE: 1:75

CITY OF VAUGHAN FIRE
STATION 7-12

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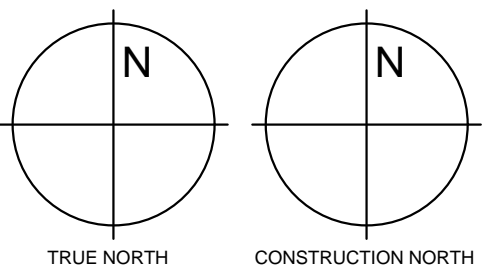


21-237

DWG TITLE

FLOOR PLAN -
HVAC PIPING

ORIENTATION



DATE 2022-06-24

SCALE As indicated DRAWN BY JY

DWG STATUS TENDER

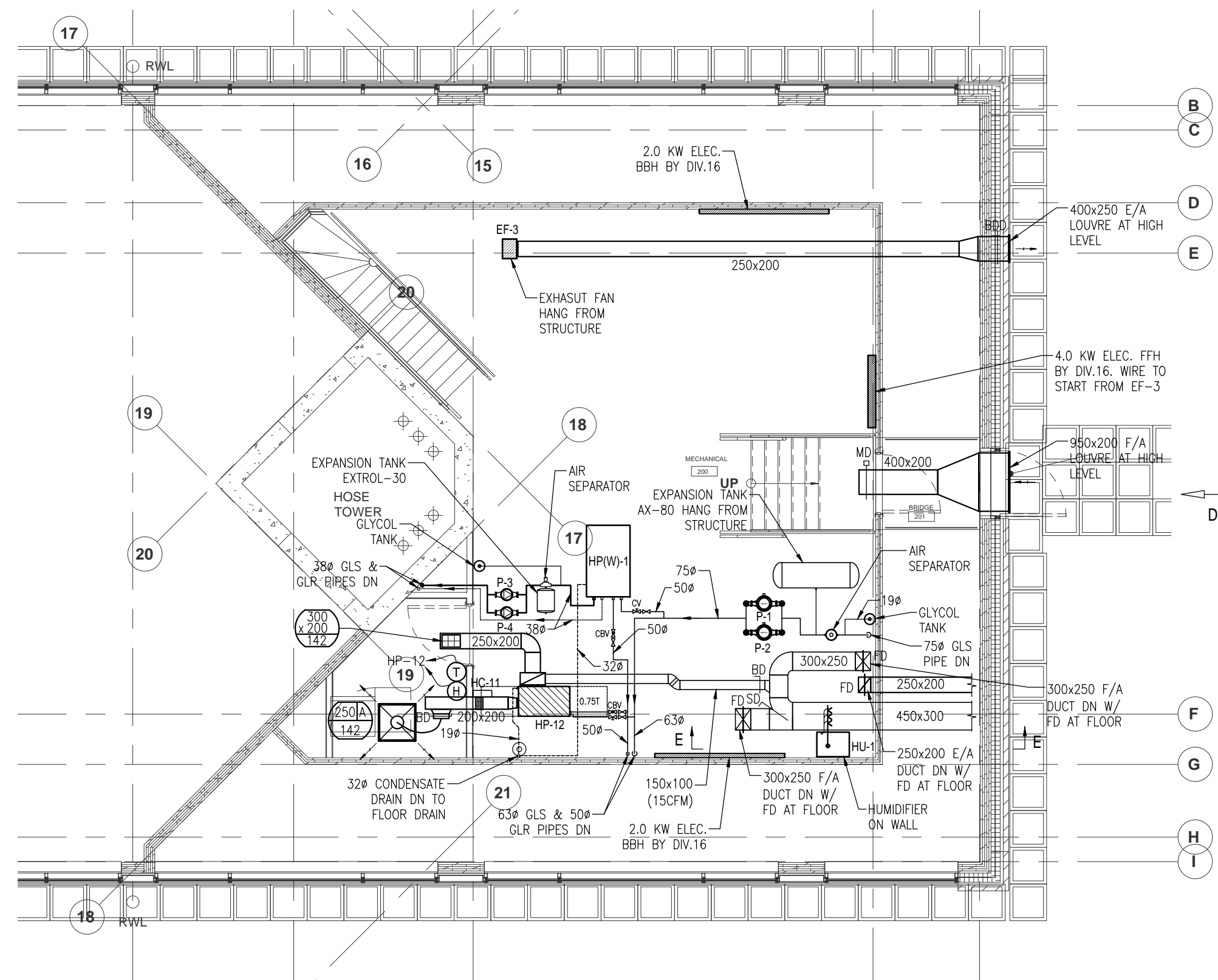
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DRAWING No. M2.3 REVISION

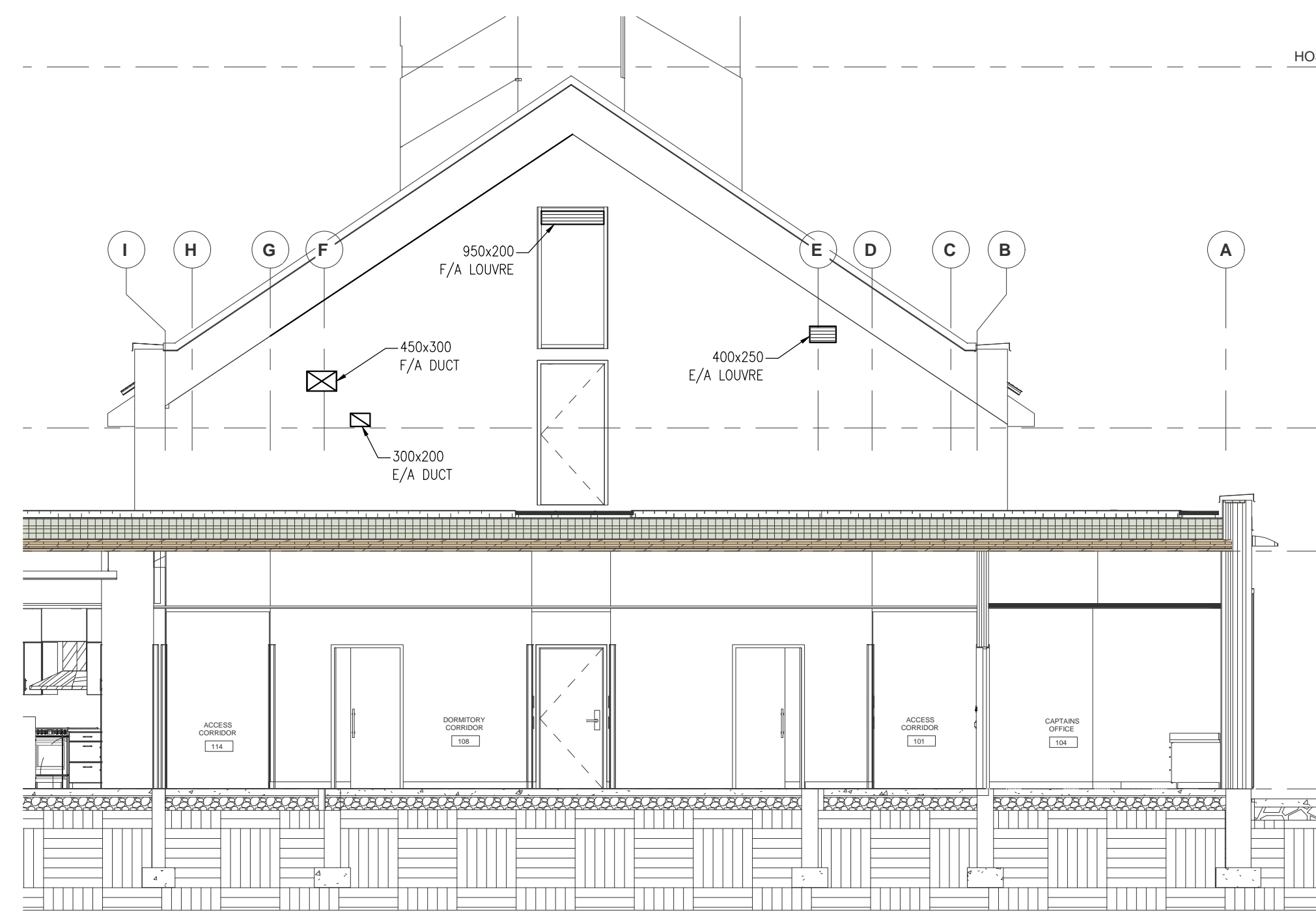
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ISSUE OR REVISION

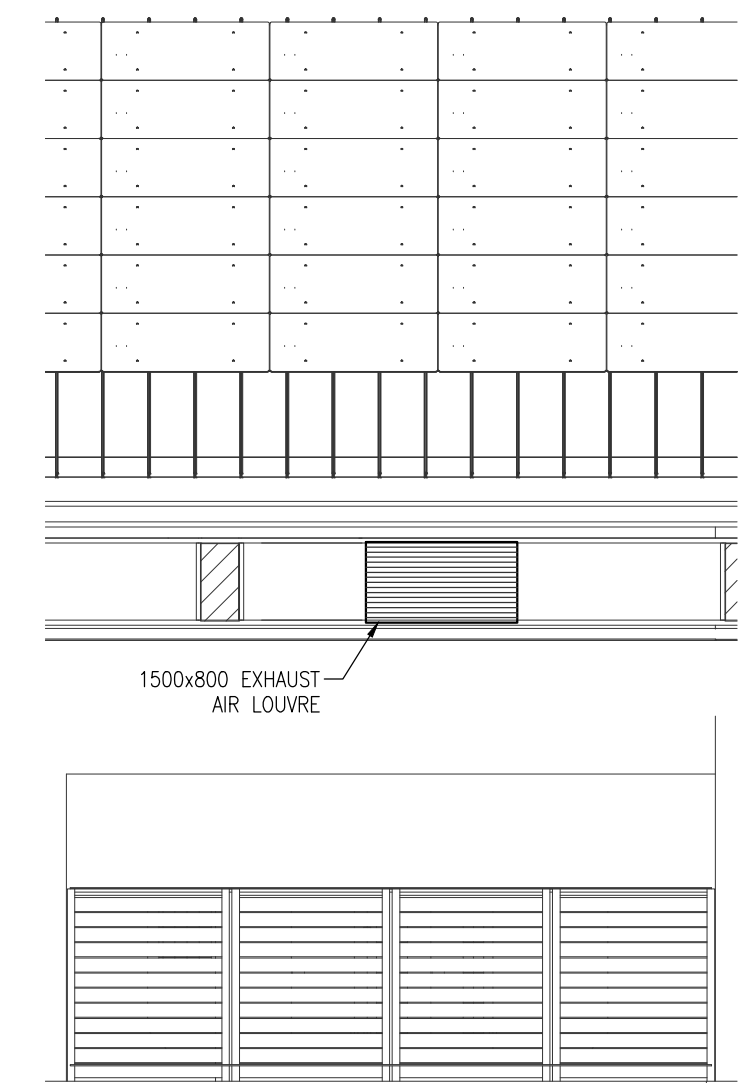
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2	ISSUED FOR PERMIT	2023-09-06
3	ISSUED FOR TENDER	2024-04-15



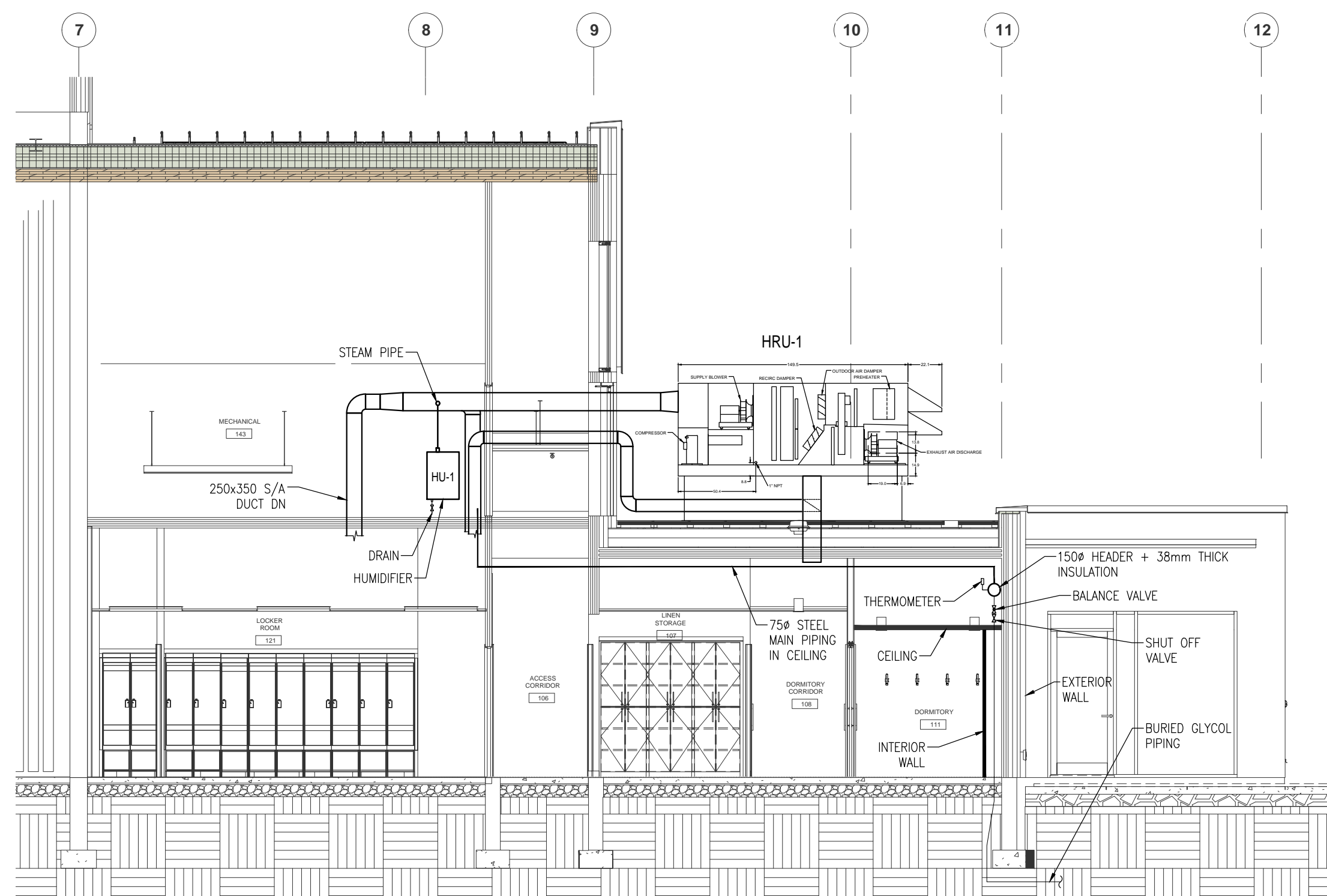
MEZZANINE FLOOR PLAN - HVAC
SCALE: 1:75



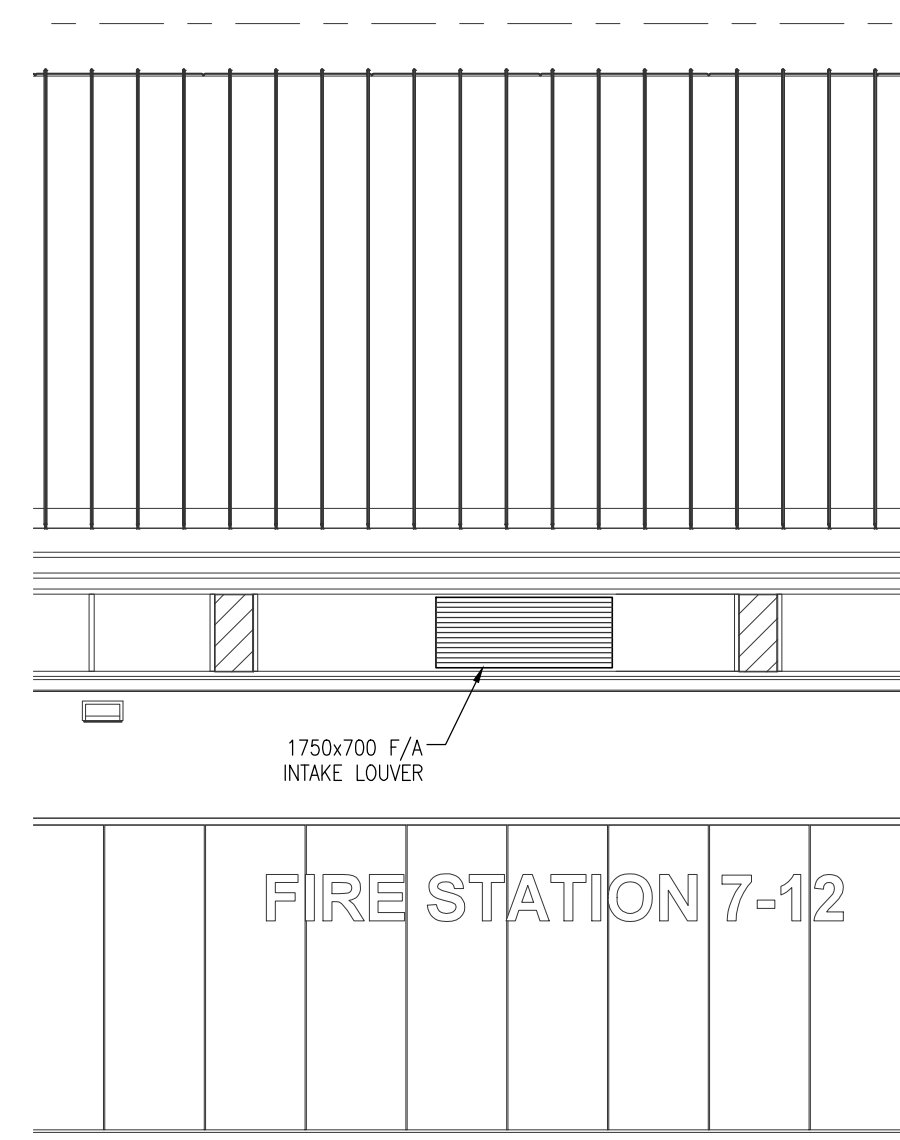
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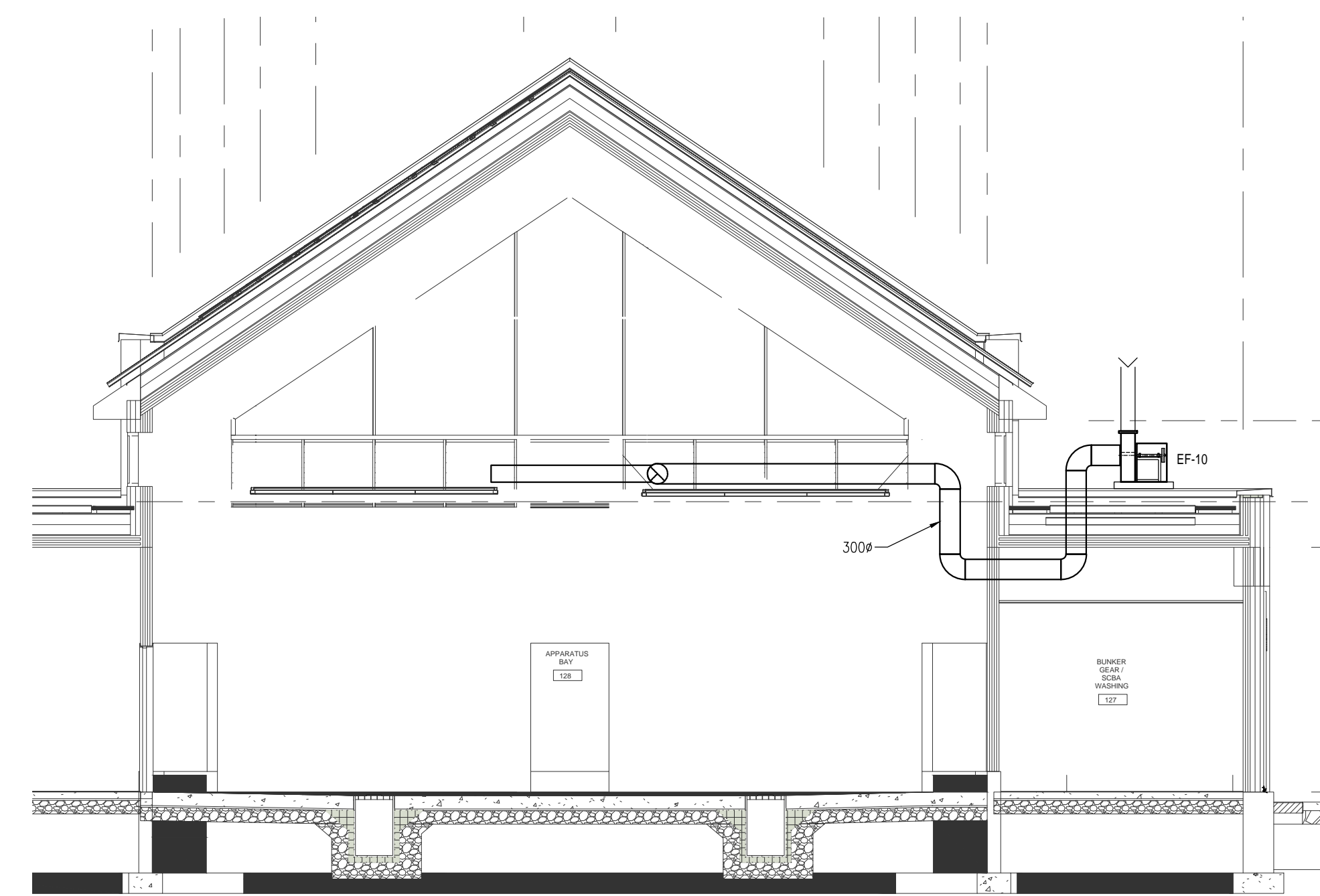
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SCALE: 1:75



SECTION E - E
SCALE: 1:75



VIEW A
SCALE: 1:75



SECTION C - C
SCALE: 1:75

PROJECT:

CITY OF VAUGHAN FIRE
STATION 7-12

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CLIENT

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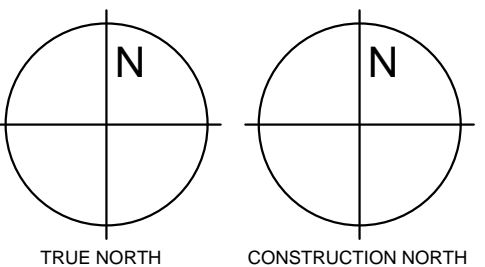


21-237

DWG TITLE

MEZZ. MECH RM
FLOOR PLAN &
SECTIONS - HVAC

ORIENTATION



DATE

2022-06-24

SCALE

As indicated

DRAWN BY

JY

DWG STATUS:

TENDER

PROJECT No.

21-237

DRAWING No.

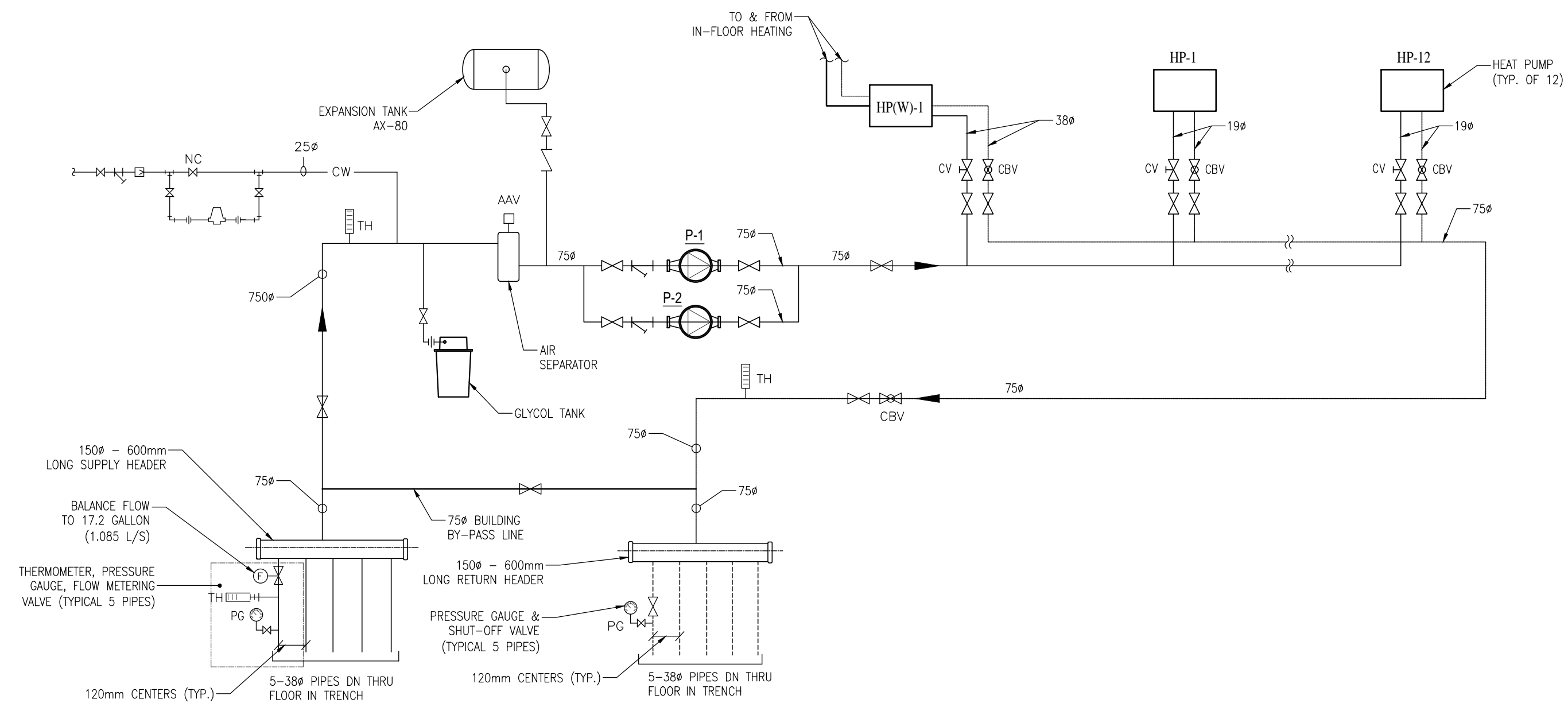
M2.4

REVISION

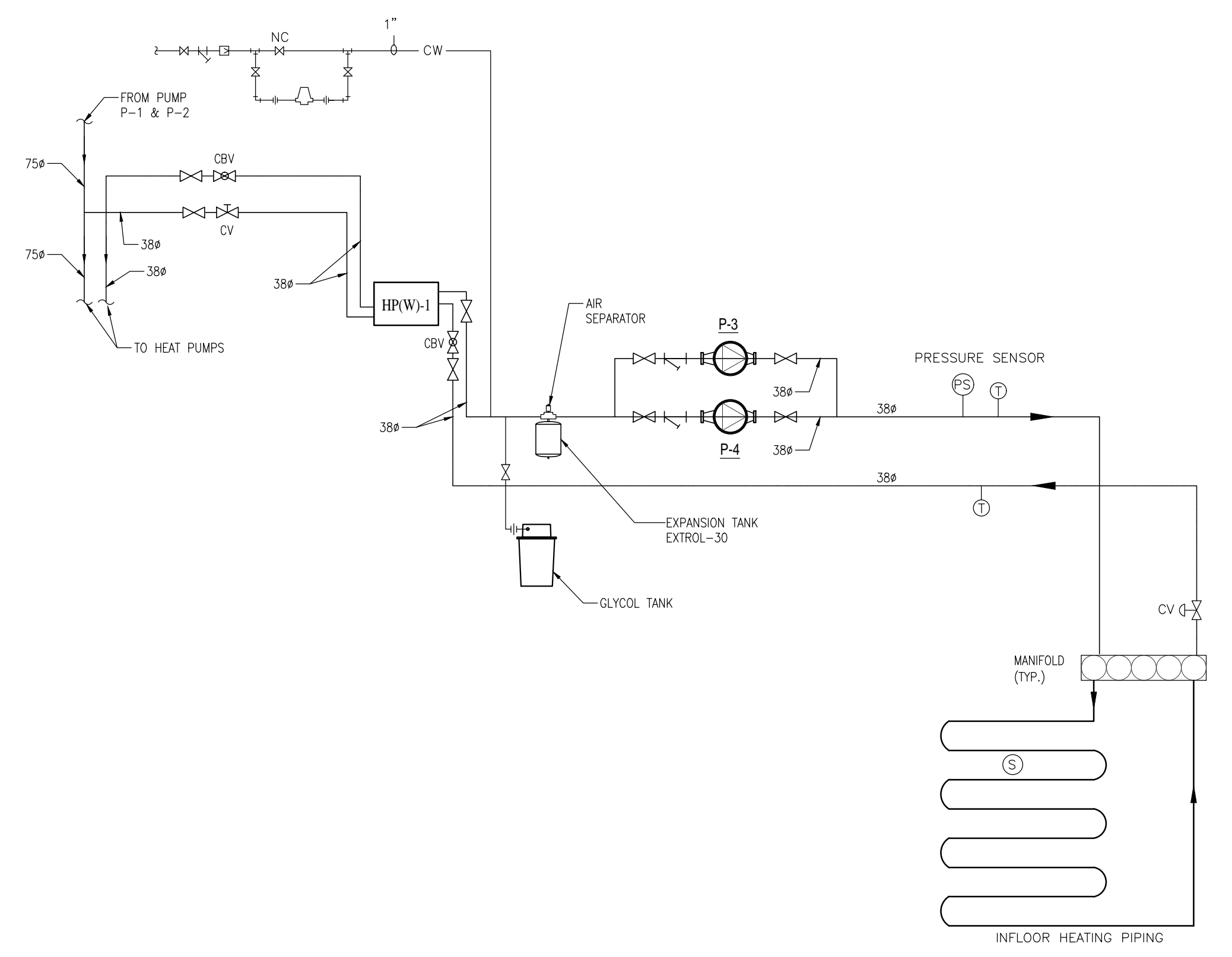
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ISSUE OR REVISION

NO.	ISSUED FOR	DATE
1	DESIGN DEVELOPMENT FOR COSTING	2022-07-07
2	ISSUED FOR PERMIT	2023-09-06
3	ISSUED FOR TENDER	2024-04-15



GROUND SOURCE SYSTEM PIPING SCHEMATIC
SCALE: N.T.S.



IN FLOOR HAETING SYSTEM PIPING SCHEMATIC
SCALE: N.T.S.

PROJECT:
CITY OF VAUGHAN FIRE STATION 7-12
Enter address here

CLIENT

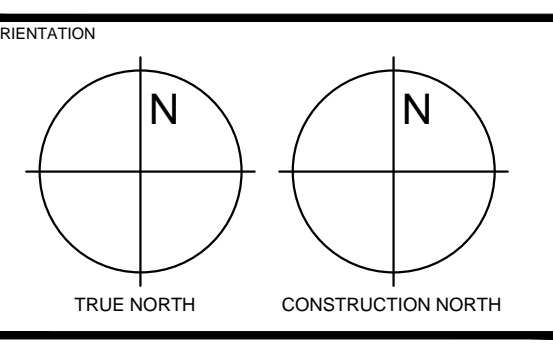
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 21-237

DWG TITLE
GROUND SOURCE & IN FLOOR HEATING SYSTEM PIPING SCHEMATIC



DATE: 2022-06-24

SCALE: As indicated DRAWN BY: JY

DWG STATUS: TENDER

PROJECT No. 21-237

DRAWING No. M2.5 REVISION

2021-12-03 12:03:37 PM


ISSUE OR REVISION		
NO.	ISSUED FOR	DATE
1	DESIGN DEVELOPMENT FOR COSTING	2022-07-07
2	ISSUED FOR PERMIT	2023-09-06
3	ISSUED FOR TENDER	2024-04-15

CITY OF VAUGHAN FIRE STATION 7-12
 Enter address here

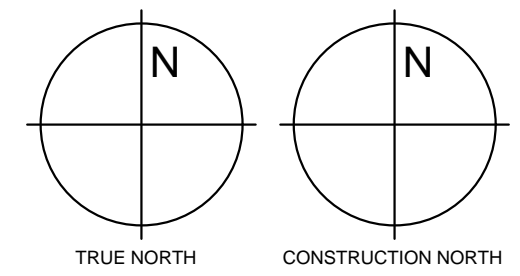
CLIENT

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PROFESSIONAL SEAL

 21-237

DWG TITLE
DETAILS

ORIENTATION

 TRUE NORTH CONSTRUCTION NORTH

DATE: 2022-06-24

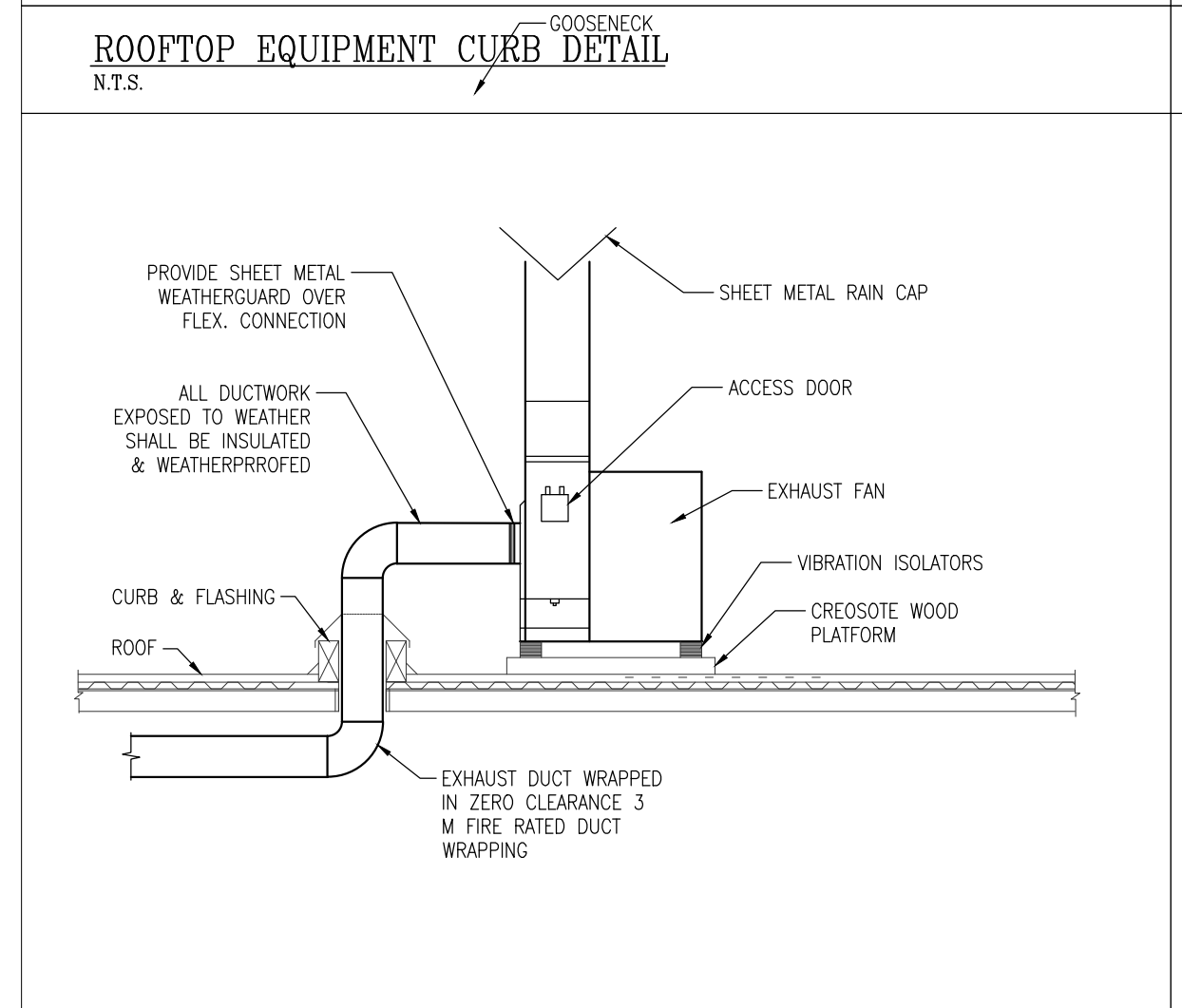
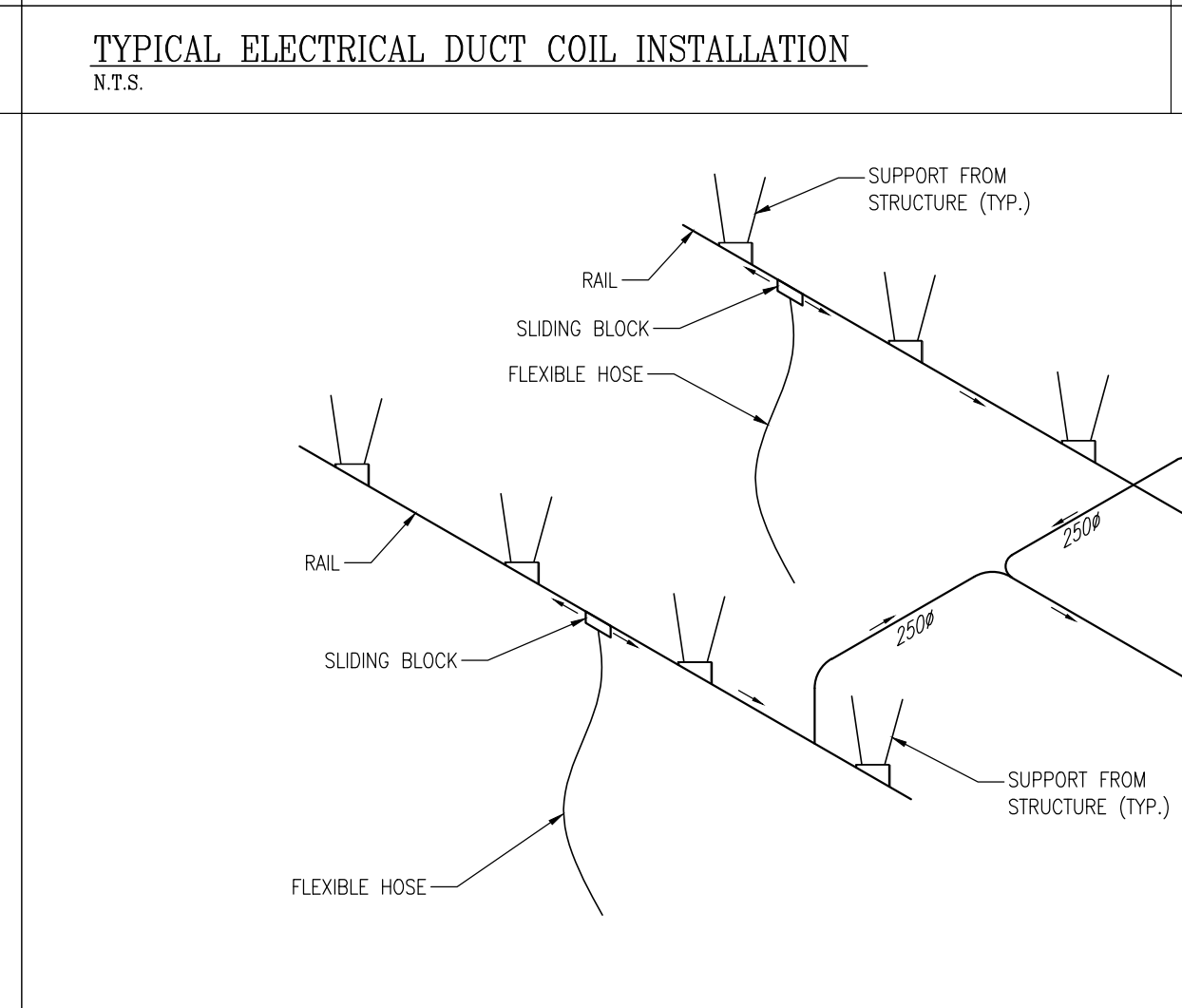
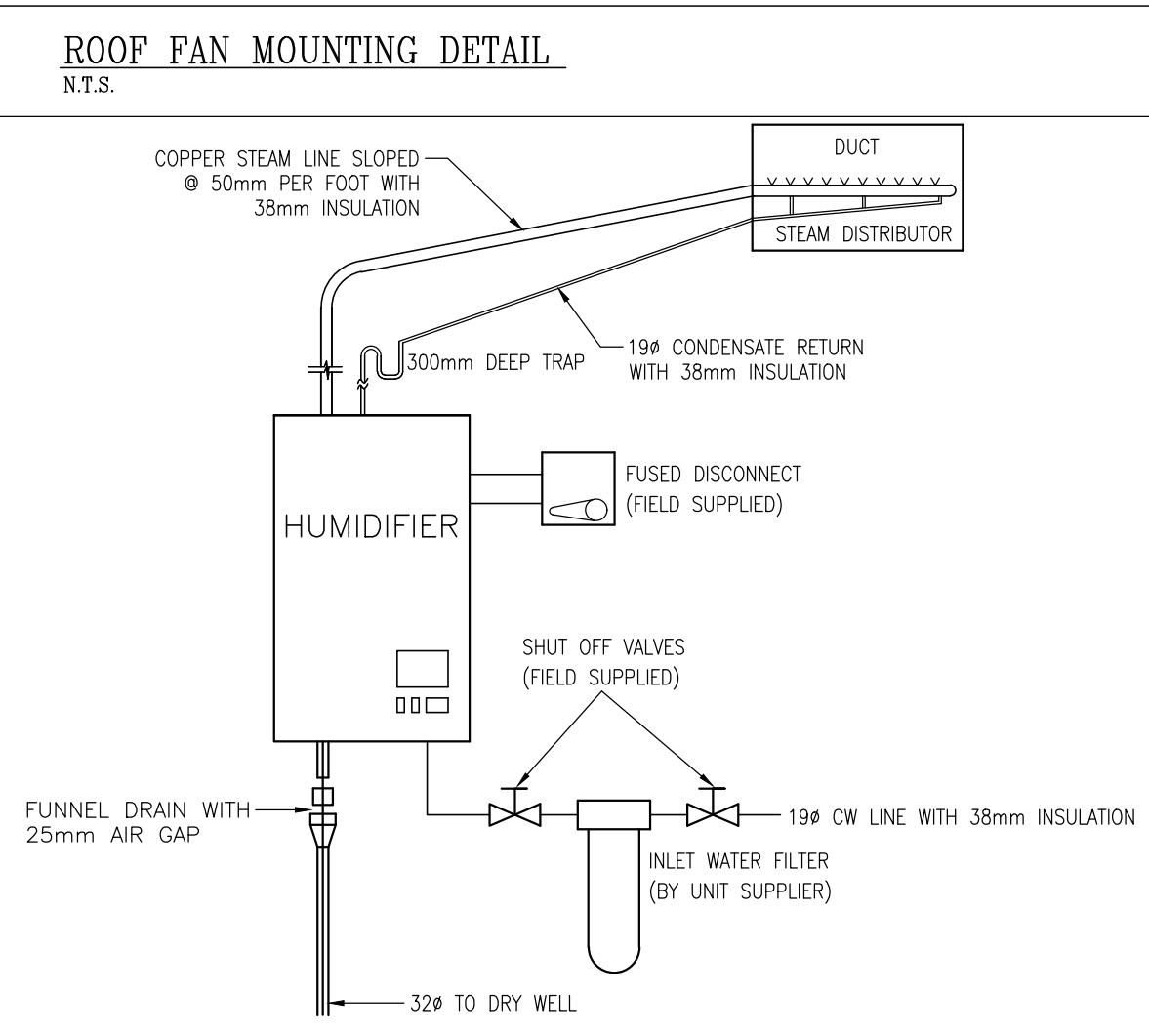
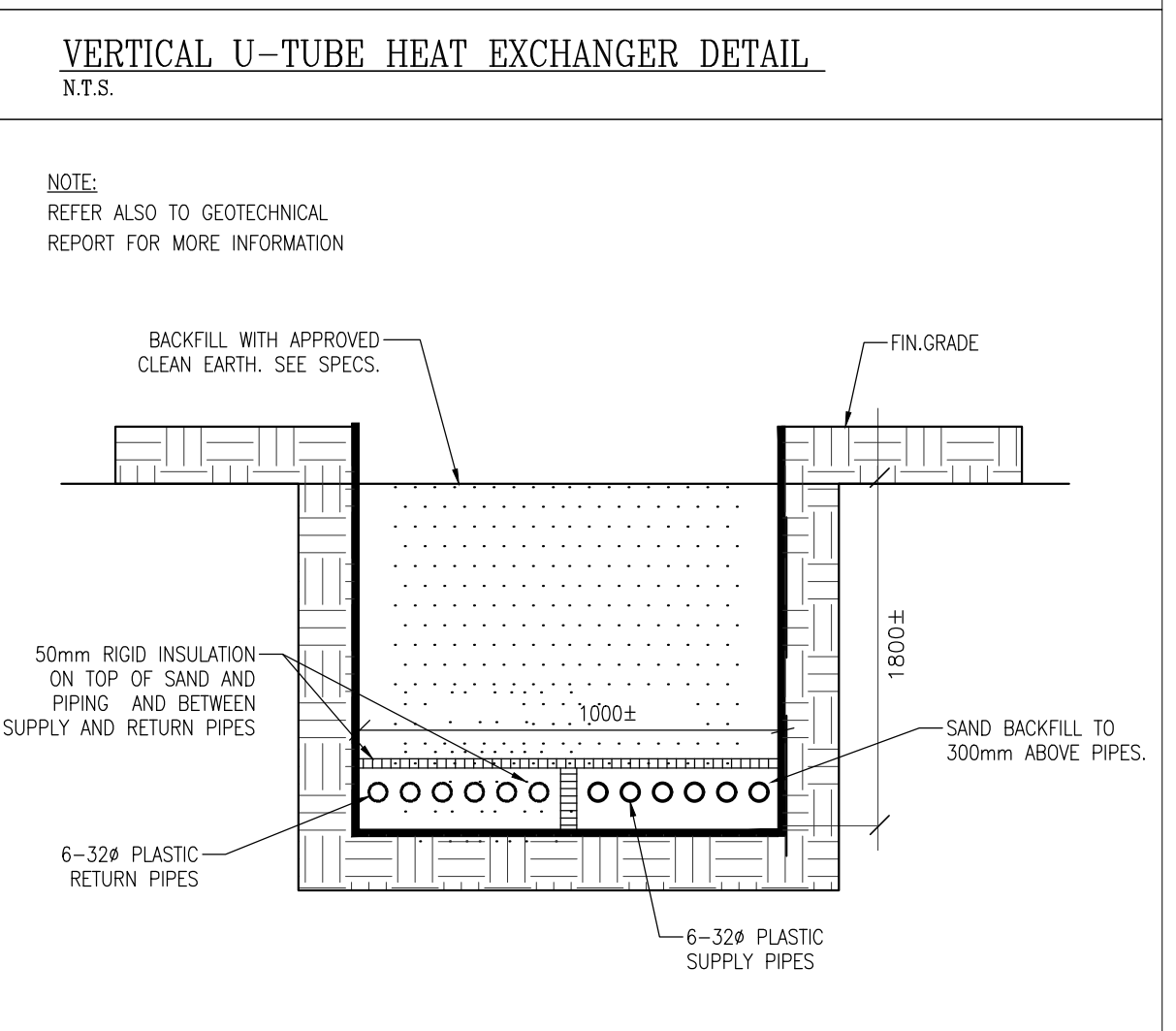
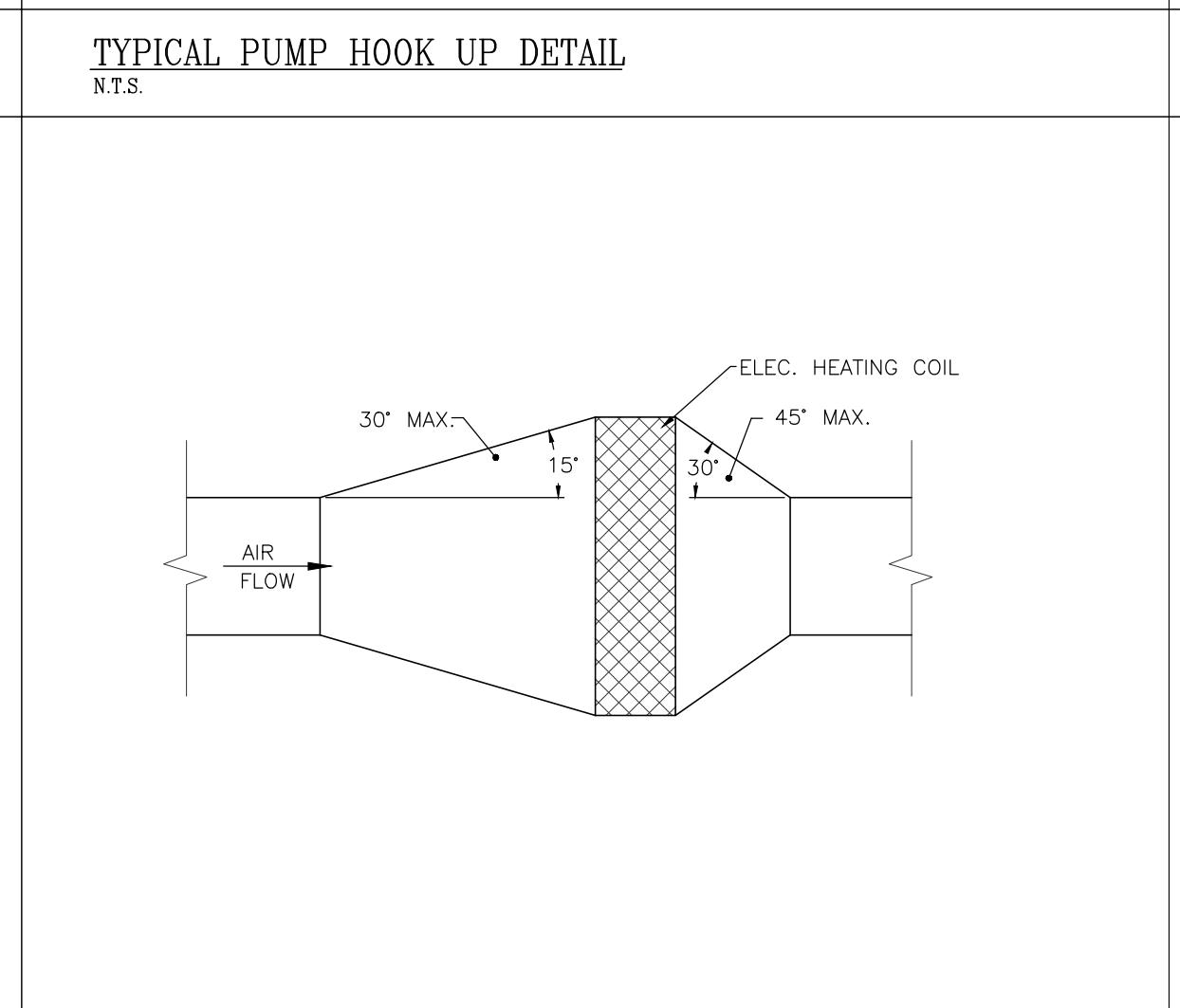
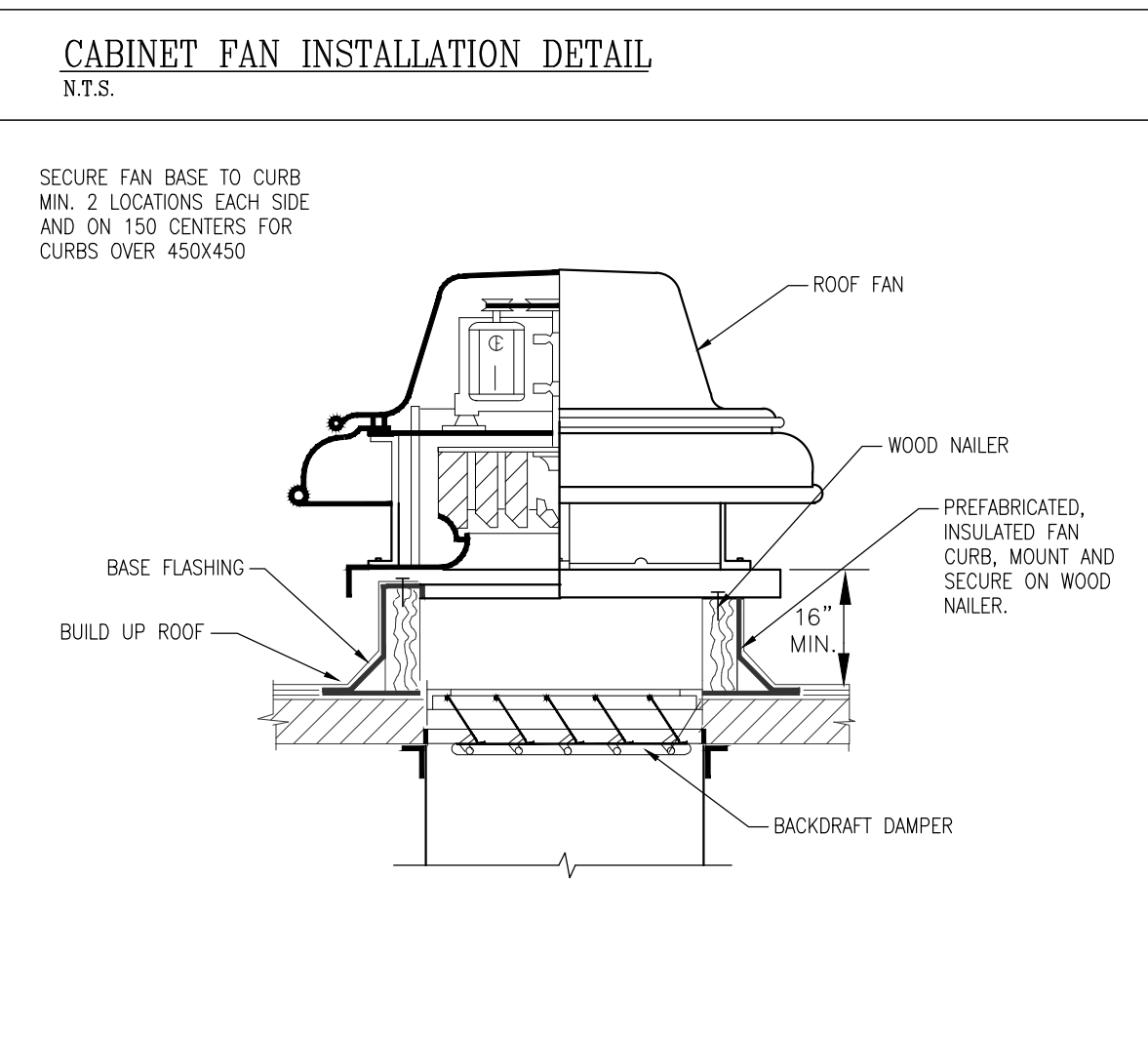
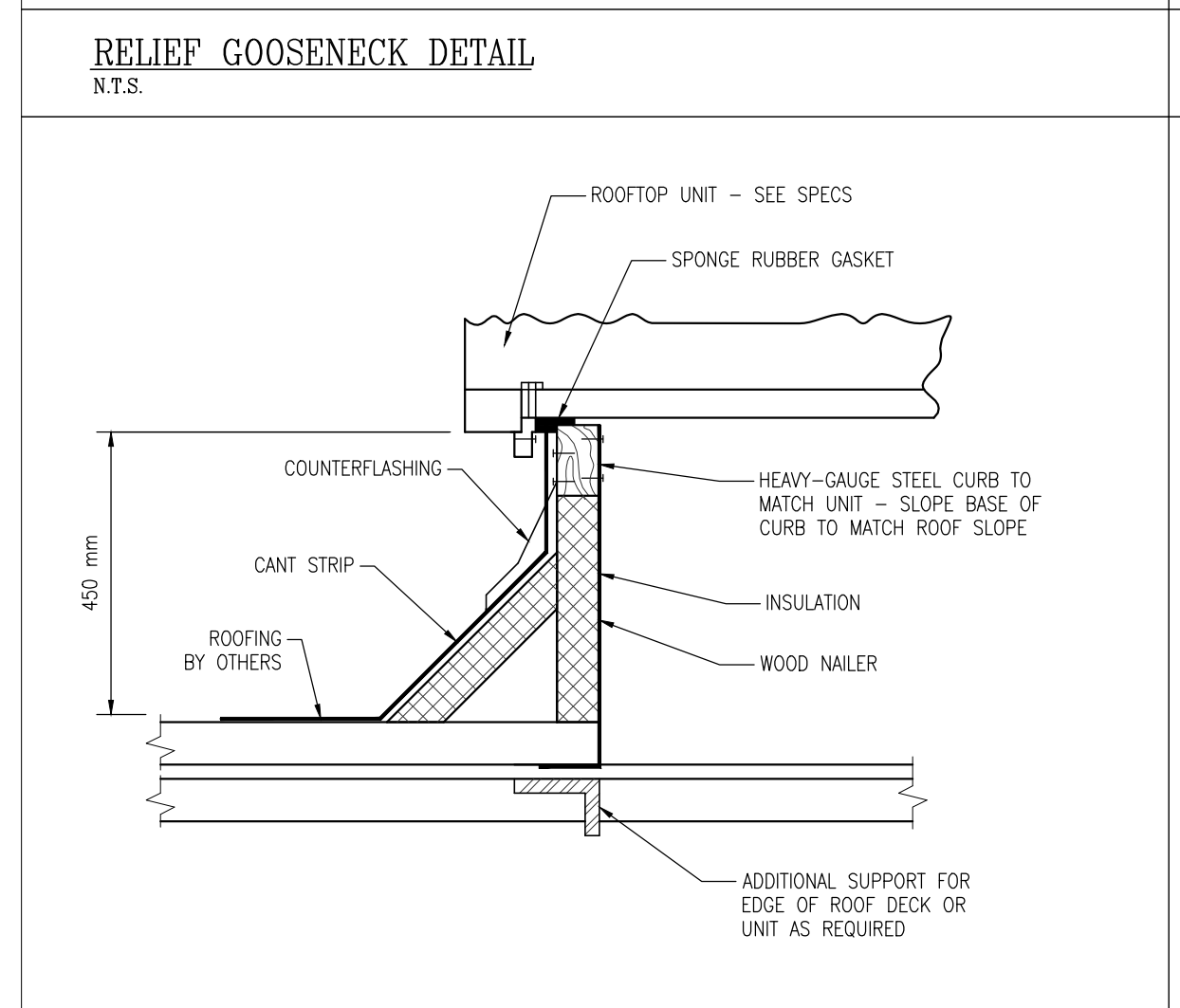
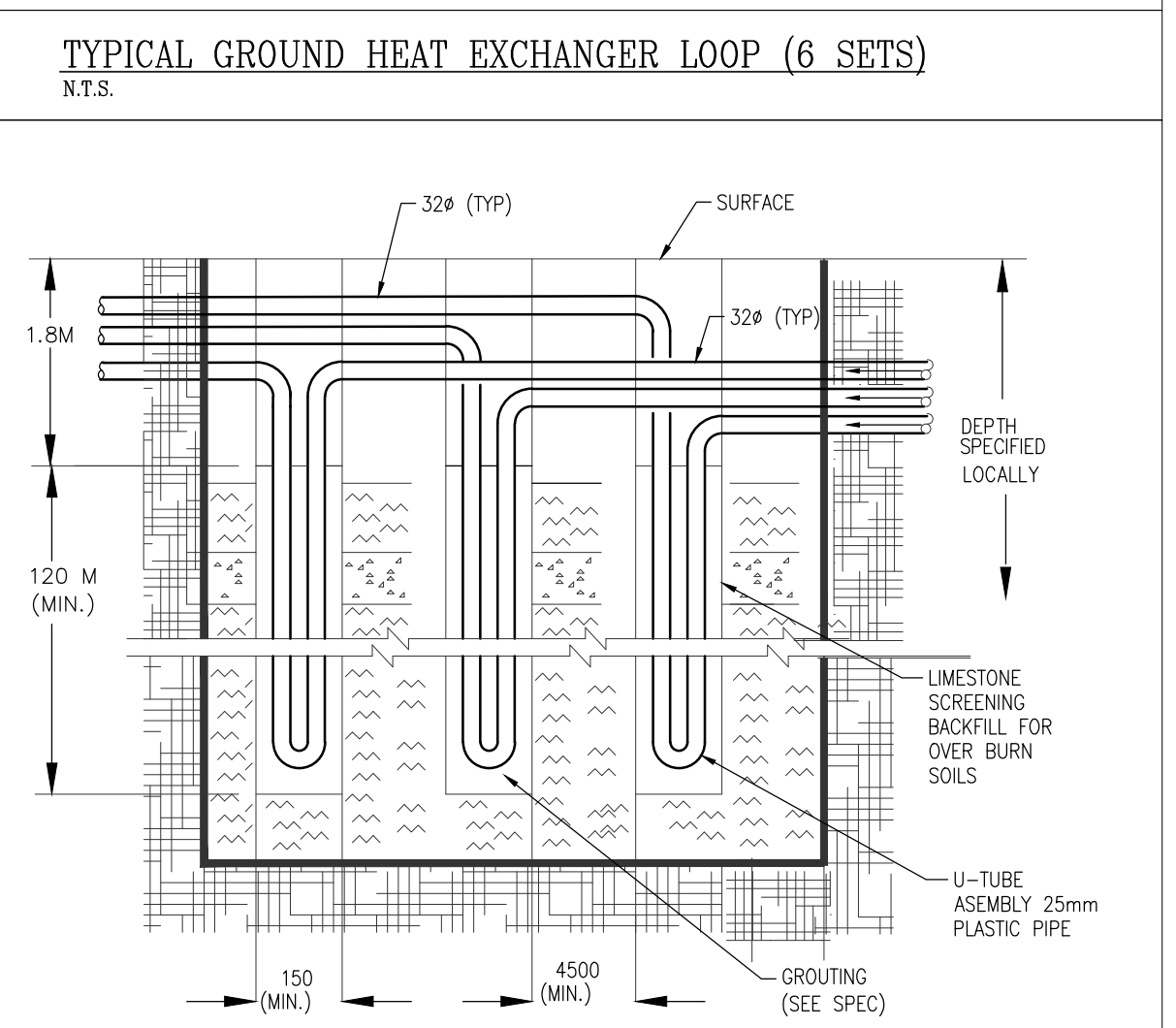
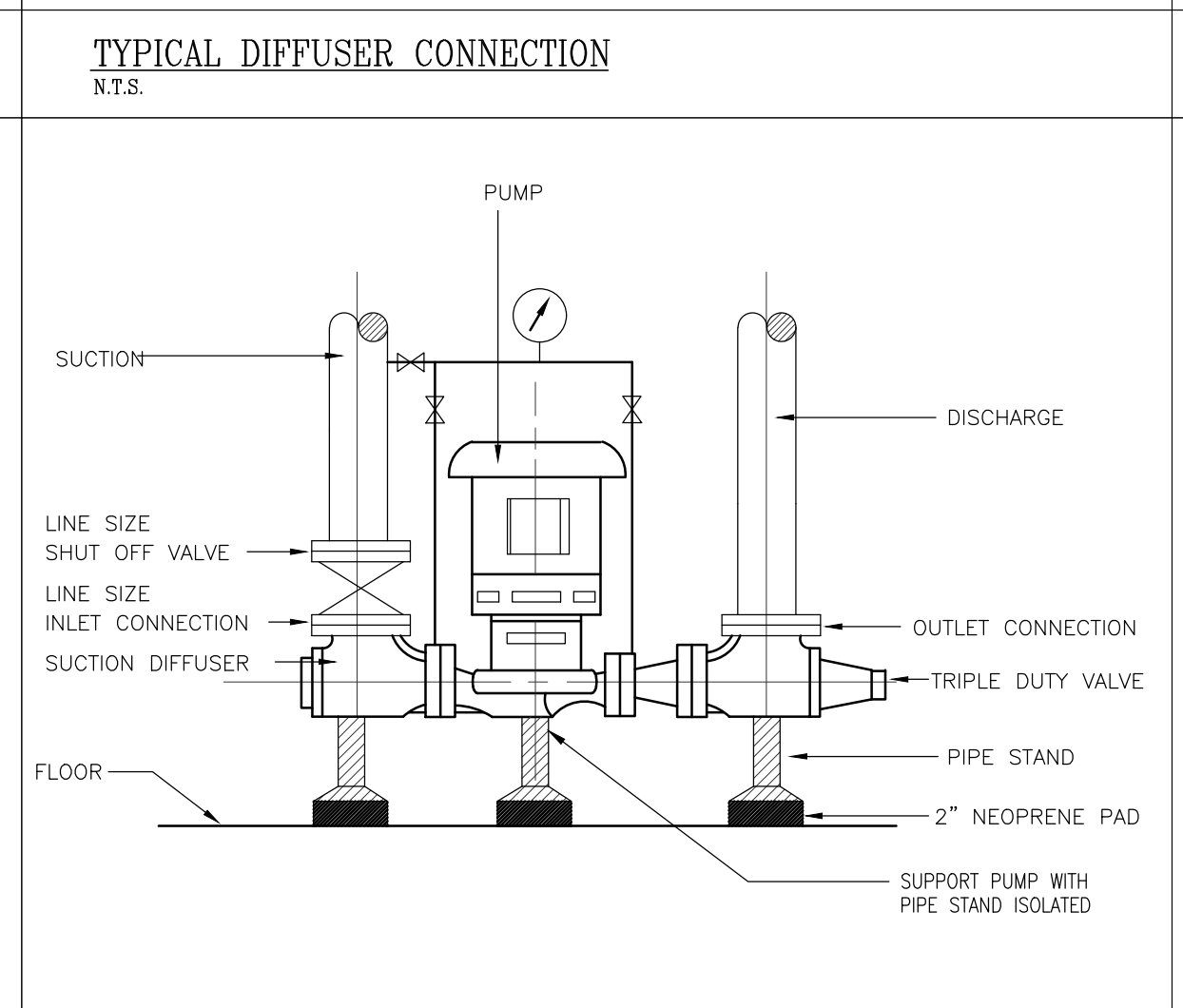
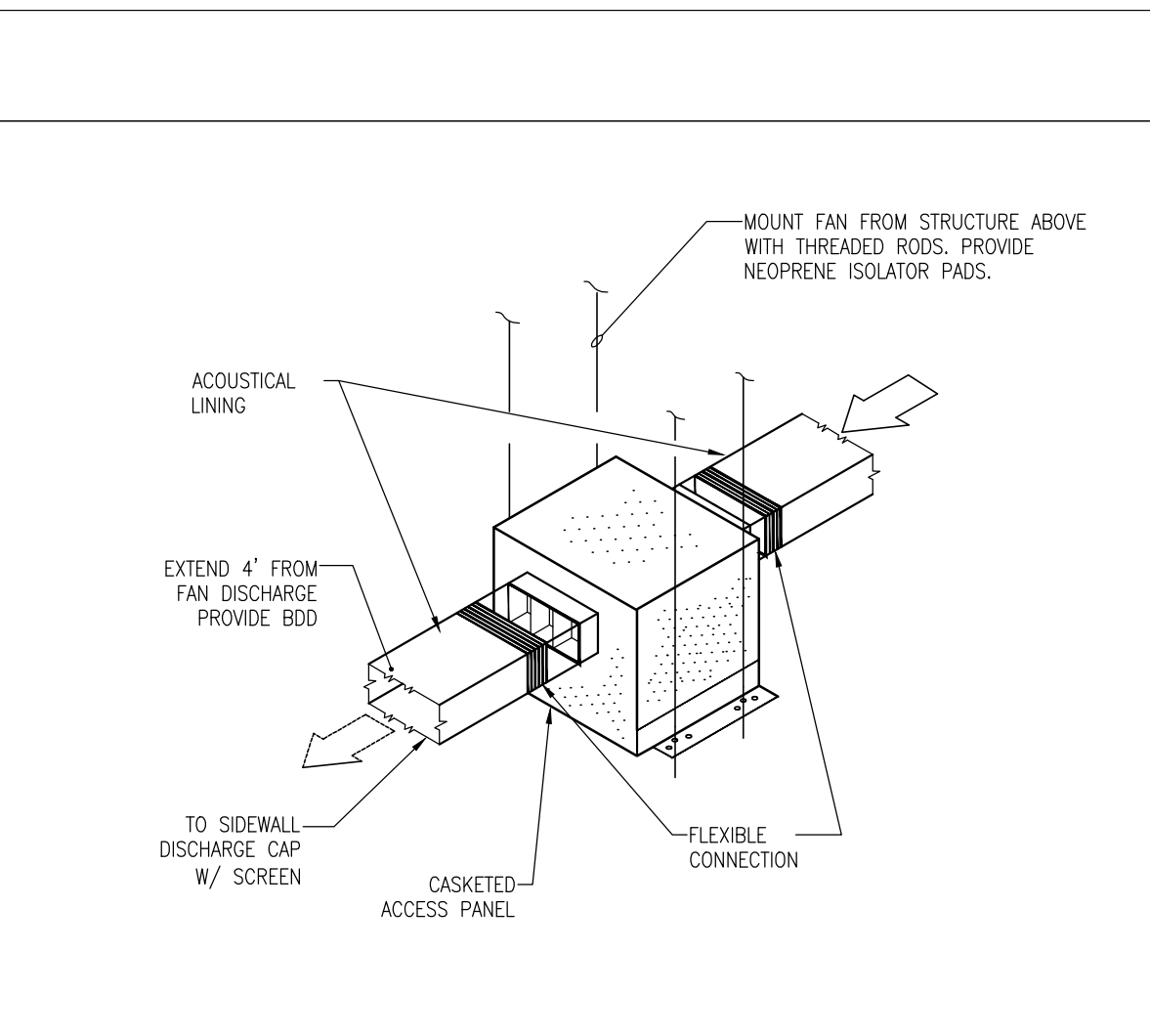
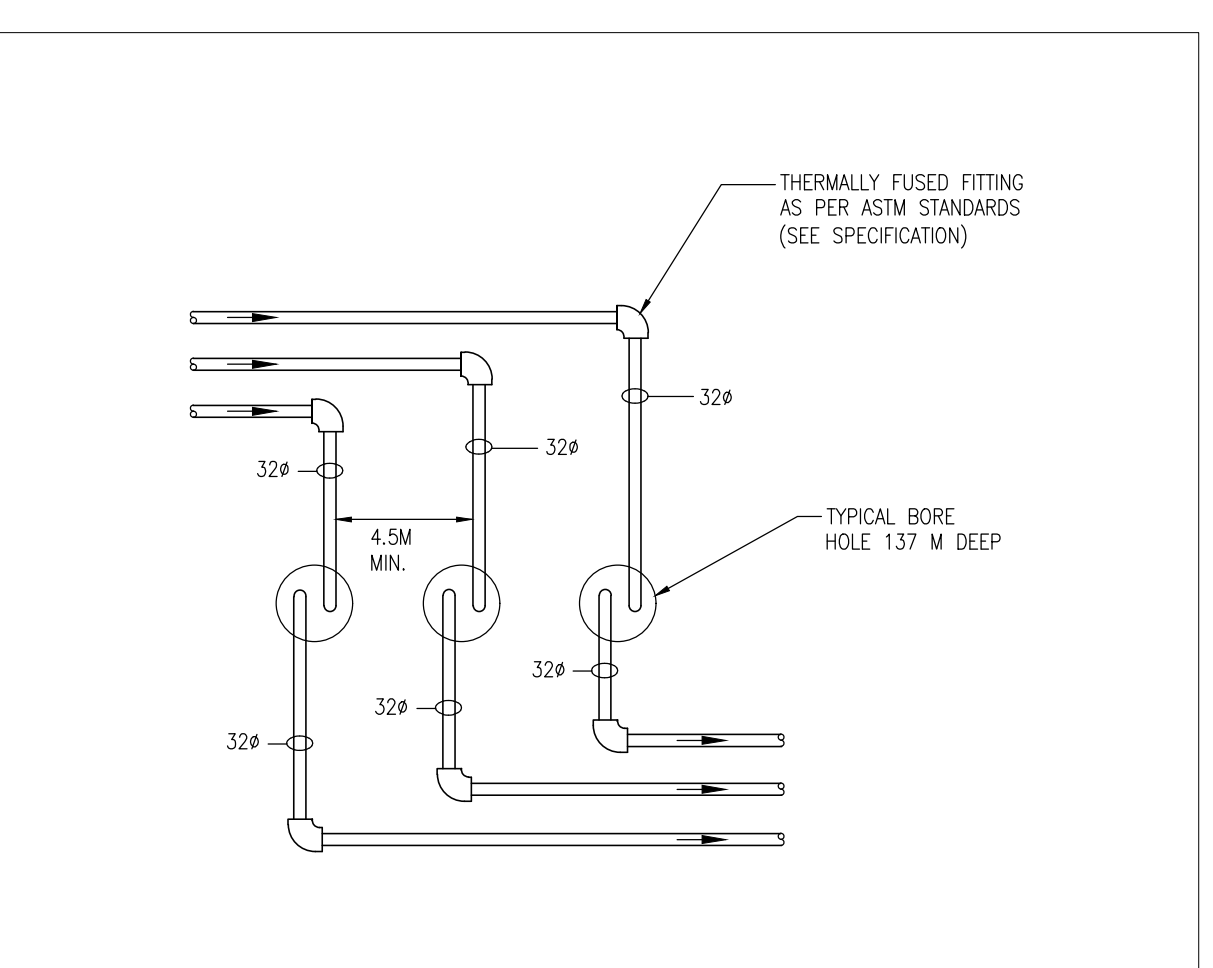
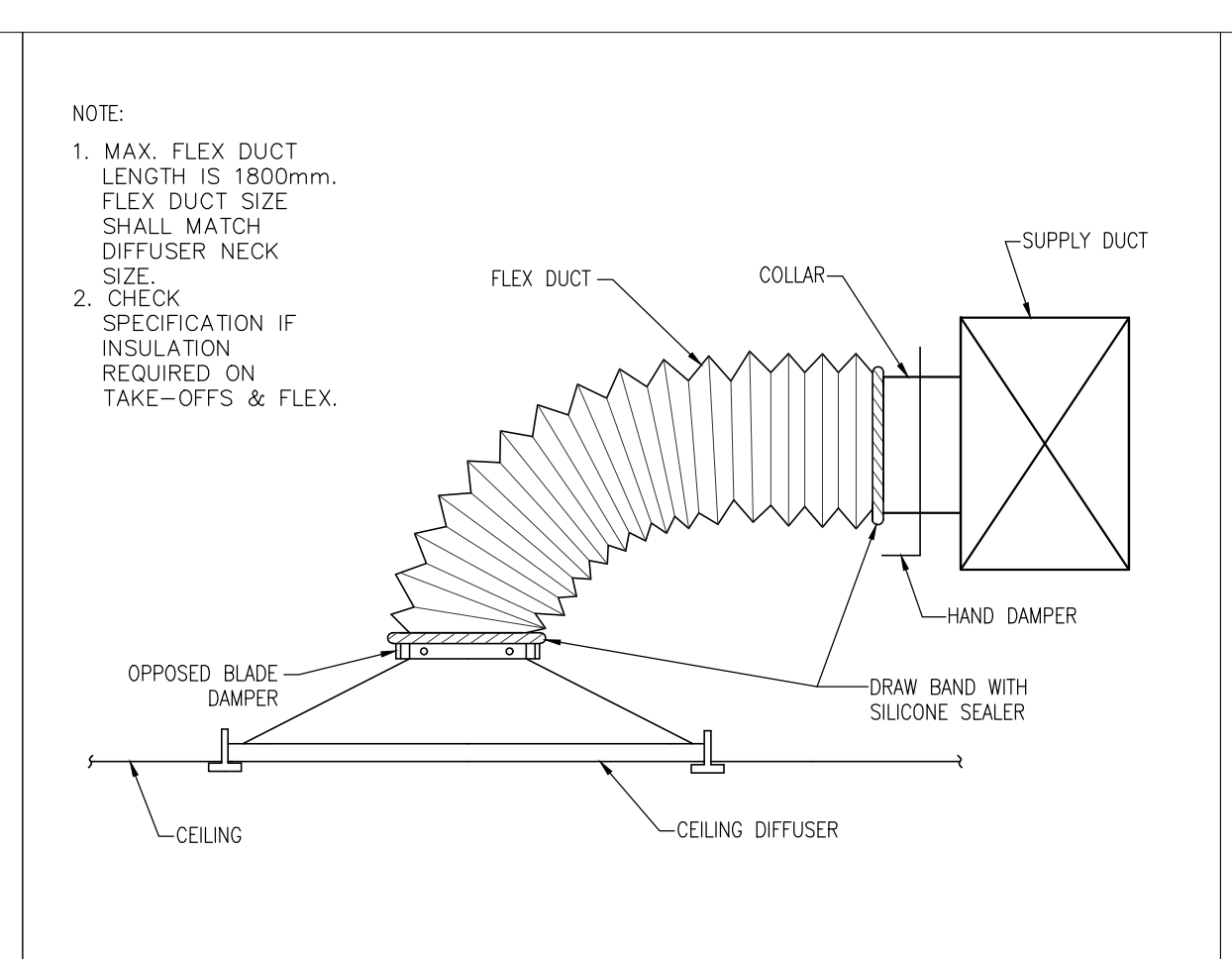
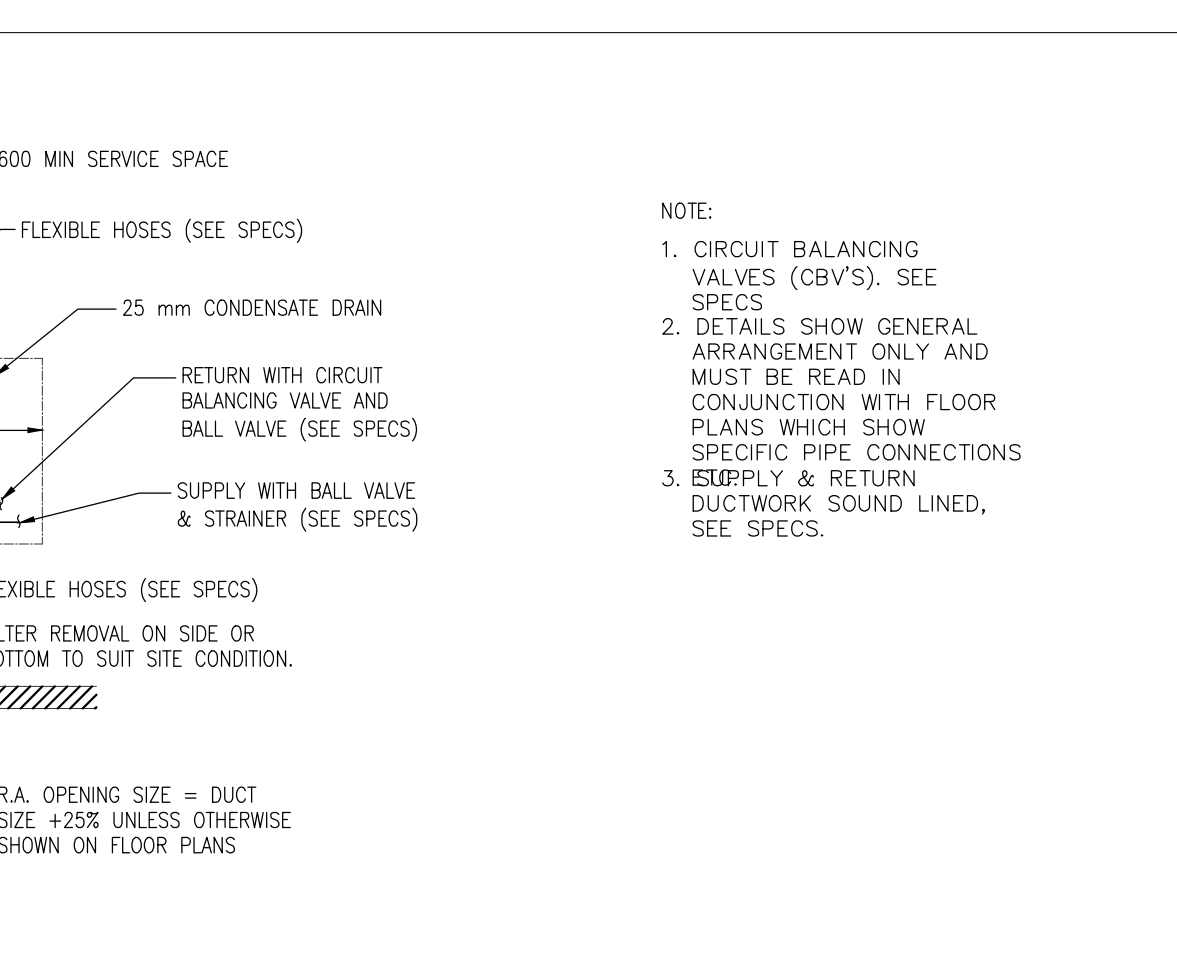
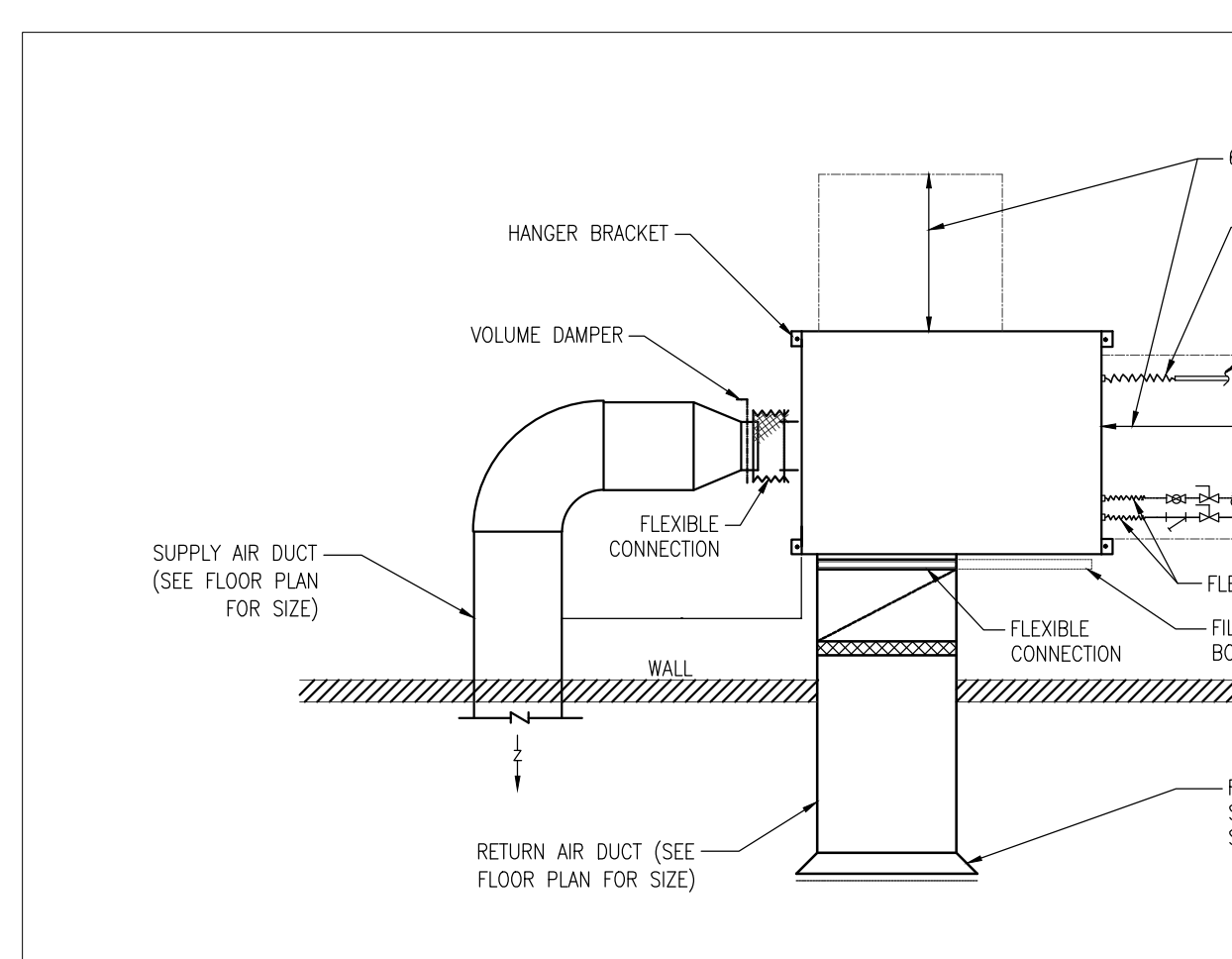
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DWG STATUS: TENDER

PROJECT No: 21-237

DRAWING No: M2.6 REVISION

2021-12-03 12:03:37 PM



ISSUE OR REVISION

NO.	ISSUED FOR	DATE
1	DESIGN DEVELOPMENT FOR COSTING	2022-07-07
2	ISSUED FOR PERMIT	2023-09-06
3	ISSUED FOR TENDER	2024-04-15

PROJECT:
**CITY OF VAUGHAN FIRE
 STATION 7-12**
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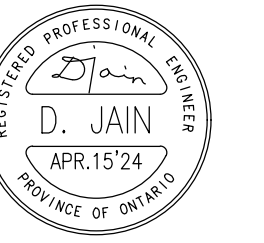
CLIENT

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PROFESSIONAL SEAL

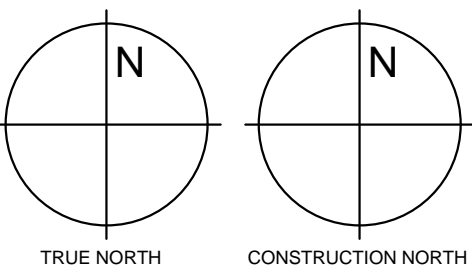


21-237

DWG TITLE

SCHEDULES

ORIENTATION



DATE 2022-06-24

SCALE: As indicated DRAWN BY: JY

DWG STATUS: TENDER

PROJECT No. 21-237

DRAWING No. M2.8 REVISION

2021-12-03 12:03:37 PM

MECHANICAL EQUIPMENT STARTER AND ELECTRICAL DATA SCHEDULE														
EQUIPMENT & LABEL	STARTER LOCATION	ELECTRICAL DATA			STARTER TYPE	FUSED	PILOT LIGHT IN COVER	ON/OFF SELECTOR SWITCH/STOP P.B. IN COVER	H/O/A SELECTOR SWITCH/STOP P.B. IN COVER	100% CONTROL TRANSFORMER	ELECTRIC TIME REMOTE P.B. & P.L. STATION	P.L. STATION & P.L. STATION	FIRESTAT & SD	REMARKS
		KW WATTS AMPS	PHASE	VOLTAGE										
WATER TO WATER HEAT PUMP NO. HP(W)-1 MECHANICAL ROOM	MECH. RM 200	MCA 43	3	208	MAGNETIC	•	•		•	•				
HEAT RECOVERY UNIT NO. HRU-1 ON ROOF	AT UNIT	MCA 74.2	3	208	INTEGRAL	•	•		•	•				ELECTRICAL DIVISION WILL PROVIDE WEATHER PROOF DISCONNECT & WIRE TO UNIT
HEAT PUMP NO. HP-1 TO HP-12 CEILING SPACE	SEE HEAT PUMP SCHEDULES					•			•	•				
EXHAUST FAN NO. HEF-1 HOOD EXHAUST	KITCHEN	AMPS 2.0	1	120	INTEGRAL	•			•					
EXHAUST FAN NO. EF-1 SPRINKLER ROOM	SPRINKLER RM 132	WATTS 79	1	120	MAGNETIC	•			•	•				
EXHAUST FAN NO. EF-2 ELECTRICAL ROOM	ELEC. RM. 133	WATTS 47	1	120	MANUAL	•			•					
EXHAUST FAN NO. EF-3 MECH. ROOM 200	MECH. RM. 200	WATTS 108	1	120	MAGNETIC	•			•					INTERLOCK TO OPEN O.A. MOTORIZED DAMPER. INTERLOCK TO TURN ON THE FFH IN WINTER
EXHAUST FAN NO. EF-4 JANITOR	JANITOR 127	WATTS 50	1	120	MAGNETIC	•			•					
EXHAUST FAN NO. EF-5 APPARATUS BAY 129	GEAR. RM. 131	KW 2.0	1	208	MAGNETIC	•			•	•				INTERLOCK TO OPEN O.A. MOTORIZED DAMPER
EXHAUST FAN NO. EF-6 HOSE TOWER 134	HOSE TOWER 134	WATTS 187	1	120	MAGNETIC	•			•					
EXHAUST FAN NO. EF-7 BUNKER GEAR WASHING 130	GEAR WASHING 130	WATTS 47	1	120	MAGNETIC	•			•					
EXHAUST FAN NO. EF-8 BUNKER GEAR 131	BUNKER GEAR 131	WATTS 108	1	120	MAGNETIC	•			•					
EXHAUST FAN NO. EF-9 GARBAGE ROOM 136	GARBAGE RM 136	WATTS 52	1	120	MAGNETIC	•			•					
EXHAUST FAN NO. EF-10 APPARATUS BAY 129	APPARATUS 129	HP 4	3	208	VFD									INTERLOCK TO OPEN O.A. MOTORIZED DAMPER
EXHAUST FAN NO. EF-11 CLEAN LAUNDRY 120	LAUNDRY. 120	WATTS 47	1	120	MAGNETIC	•			•	•				
CEILING FAN NO. CF-1 TO CF-4 APPARATUS BAY 129	APPARATUS BAY 129	WATTS 157	1	120	MANUAL	•			•					
CIRCULATING PUMP NO. P-1 MECH. ROOM 200	MECH. RM 200	HP 3	3	208	MAGNETIC	•	•		•	•				VFD
CIRCULATING PUMP NO. P-2 MECH. ROOM 200	MECH. RM 200	HP 3	3	208	MAGNETIC	•	•		•	•				VFD
IN-FLOOR HEATING PUMP NO. P-3 MECH. ROOM 200	MECH. RM 200	HP 1	1	208	MAGNETIC	•			•					
IN-FLOOR HEATING PUMP NO. P-4 MECH. ROOM 200	MECH. RM 200	HP 1	1	208	MAGNETIC	•			•					
HUMIDIFIER NO. HU-1 MECH. ROOM 200	MECH. RM 200	MCA 51.9	3	208	MAGNETIC	•	•		•	•				
ELECTRICAL DUCT HEATING COIL	SEE DUCT COIL SCHEDULES													
STARTER SCHEDULE NOTES: 1. SEE "WIRING & MOTORS" IN MECHANICAL GENERAL REQUIREMENTS FOR FULL DETAILS OF STARTERS, FUSES, OVERLOAD HEATERS, ETC. 2. LABEL ON STARTERS FOR EQUIPMENT, FANS ETC., SHALL BE AS NOTED IN THEIR SCHEDULES. SEE SPECIFICATIONS FOR DETAIL. 3. INTERLOCKS, FREEZE & SAFETY CONTROL WIRING SHALL BE BY MECHANICAL TRADE. SEE SPECIFICATIONS FOR DETAIL.						ABBREVIATION: S.S. - SELECTOR SWITCH P.B. - PUSH BUTTON H/O/A - HAND-OFF-AUTOMATIC P.L. - PILOT LIGHT BMS - BUILDING MANAGEMENT SYSTEM						4. STARTER LOCATION: - IN MECHANICAL ROOMS OR SERVICE ROOM STARTERS SHALL BE ON WALLS ADJACENT TO EQUIPMENT; - IN FINISHED ROOM STARTERS SHALL BE AT THE LIGHT SWITCH. 5. ROOF EQUIPMENT THAT START FROM REMOTE PUSH BUTTON OR SELECTOR SWITCH SHALL HAVE THEIR STARTERS LOCATED IN THE NEAREST MECHANICAL ROOM TO THE EQUIPMENT.		

NO.	ISSUE OR REVISION	ISSUED FOR	DATE
1	DESIGN DEVELOPMENT FOR COSTING		2022.07.07
2	BUILDING PERMIT		2023.09.07
3	CITY COMMENTS		2023.11.10
4	TENDER		2024.04.15

**CITY OF VAUGHAN FIRE
STATION 7-12**

9541 WESTON ROAD, VAUGHAN

PROJECT:
CLIENT:



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PROFESSIONAL SEAL



21-237

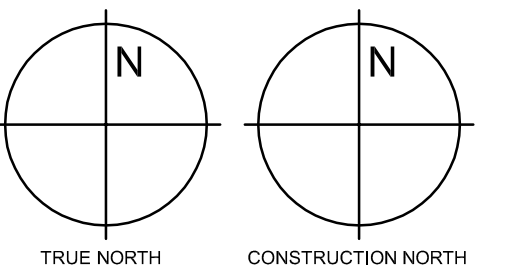
Jain

7405 East Danbro Crescent, 2nd Floor
Mississauga, Ontario, L5N 6P8
Tel: 905 285 9900, Fax: 905 567 5246
Email: mail@jainconsultants.com

DWG TITLE

**FLOOR PLAN
- SPRINKLERS -**

ORIENTATION



DATE: 2021-11-24

SCALE: 1:75 DRAWN BY: C.R.

DWG STATUS:

TENDER

PROJECT NO.

2104

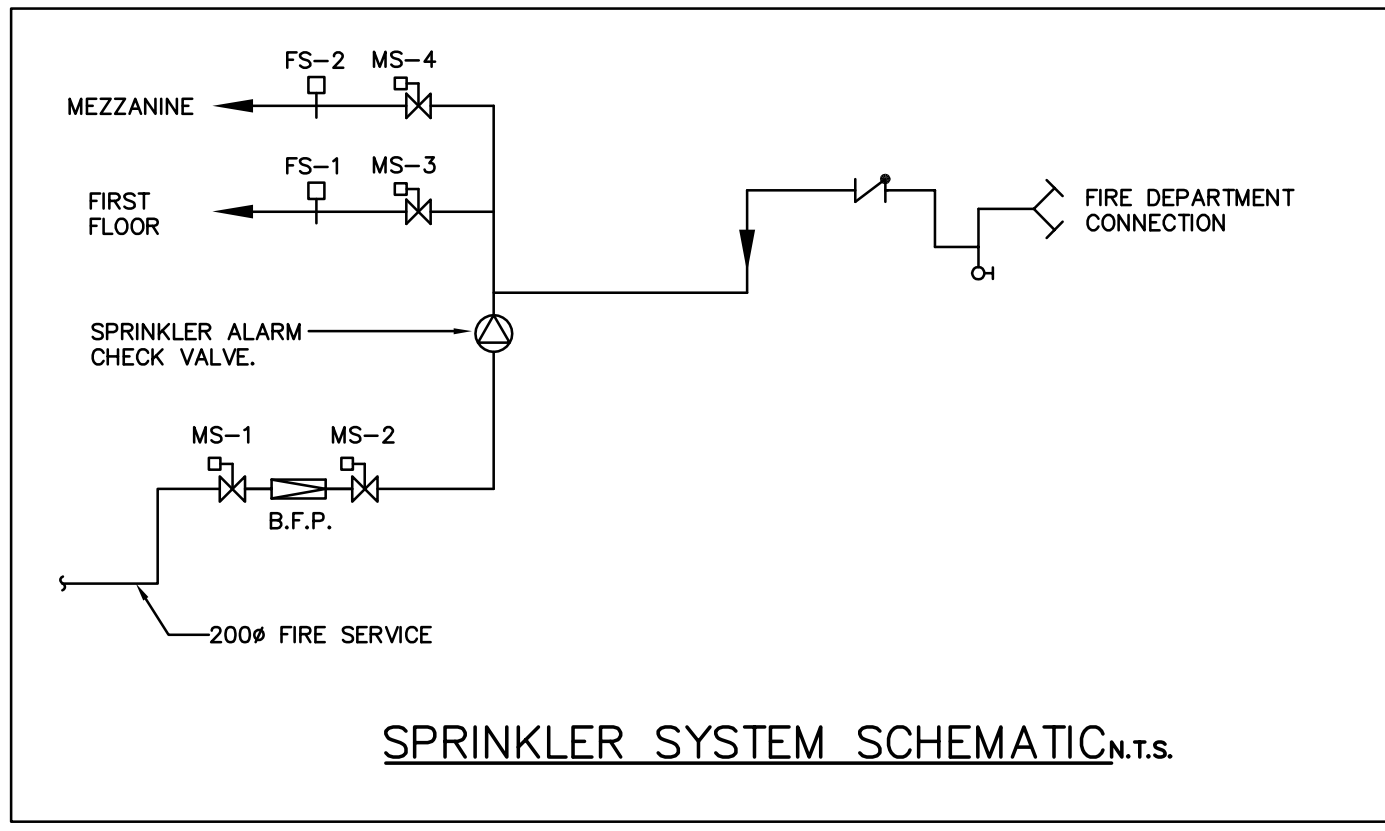
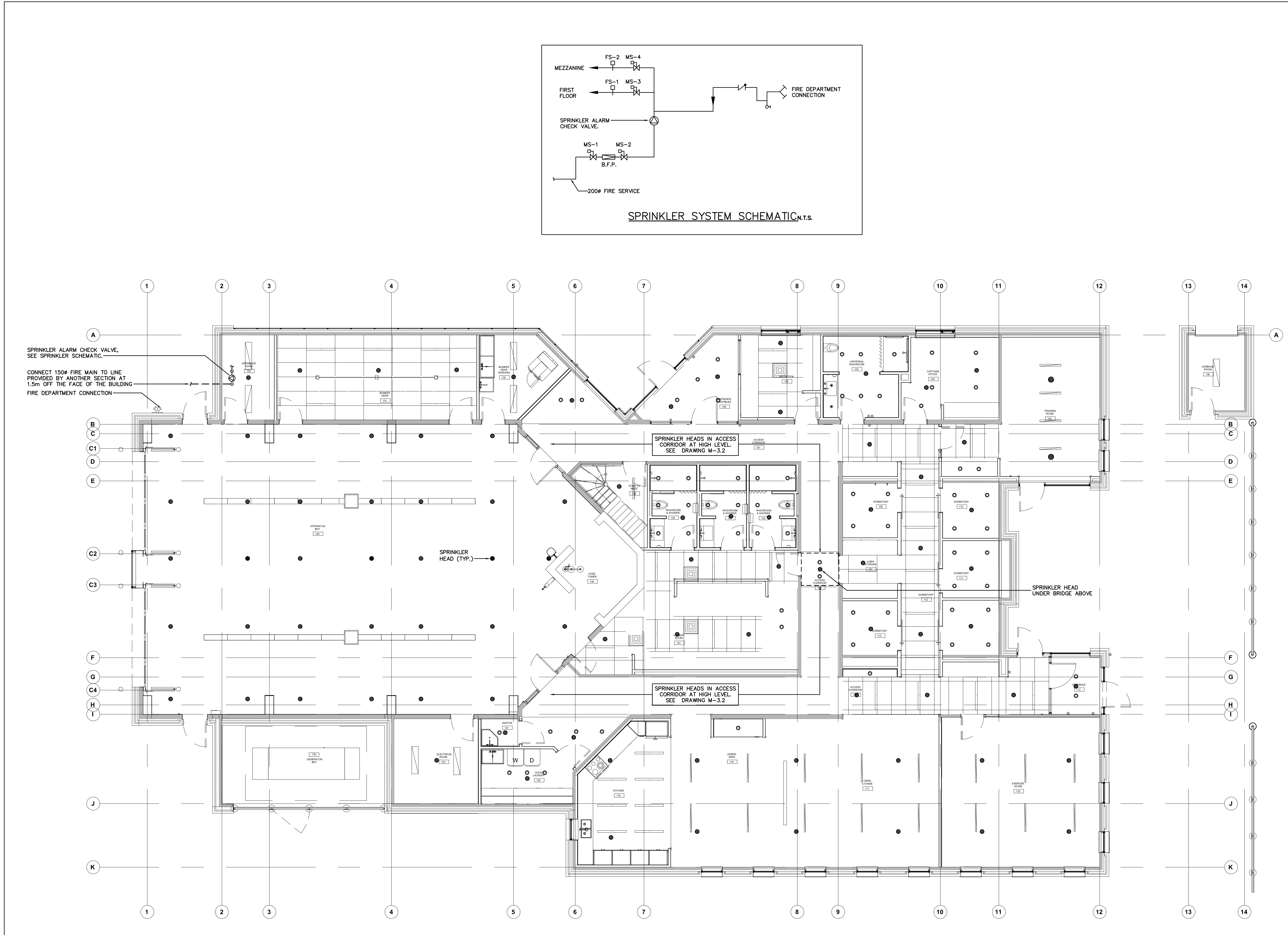
DRAWING NO.

M-3.1

REVISION

04

2022-06-20 2:29:07 PM



SPRINKLER ALARM CHECK VALVE, SEE SPRINKLER SCHEMATIC.
CONNECT 150# FIRE MAIN TO LINE PROVIDED BY ANOTHER SECTION AT 1.5m OFF THE FACE OF THE BUILDING FIRE DEPARTMENT CONNECTION

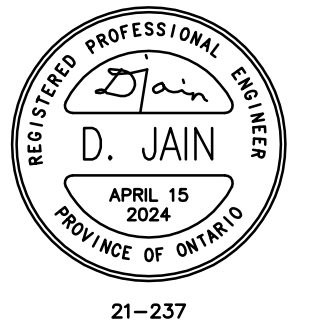
NO.	ISSUED FOR	DATE
1	DESIGN DEVELOPMENT FOR COSTING	2022.07.07
2	BUILDING PERMIT	2023.09.07
3	CITY COMMENTS	2023.11.10
4	TENDER	2024.04.15

PROJECT:
CITY OF VAUGHAN FIRE STATION 7-12
CLIENT:
9541 WESTON ROAD, VAUGHAN



THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF THE WORK. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT.

PROFESSIONAL SEAL



21-237

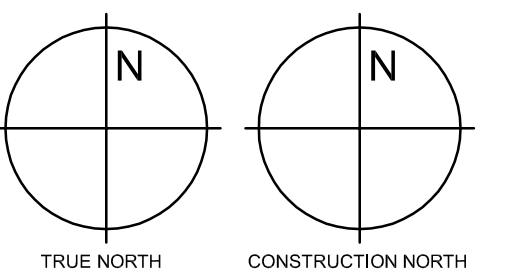


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DWG TITLE

**MEZZANINE PLAN
- SPRINKLERS -**

ORIENTATION



DATE: 2021-11-24

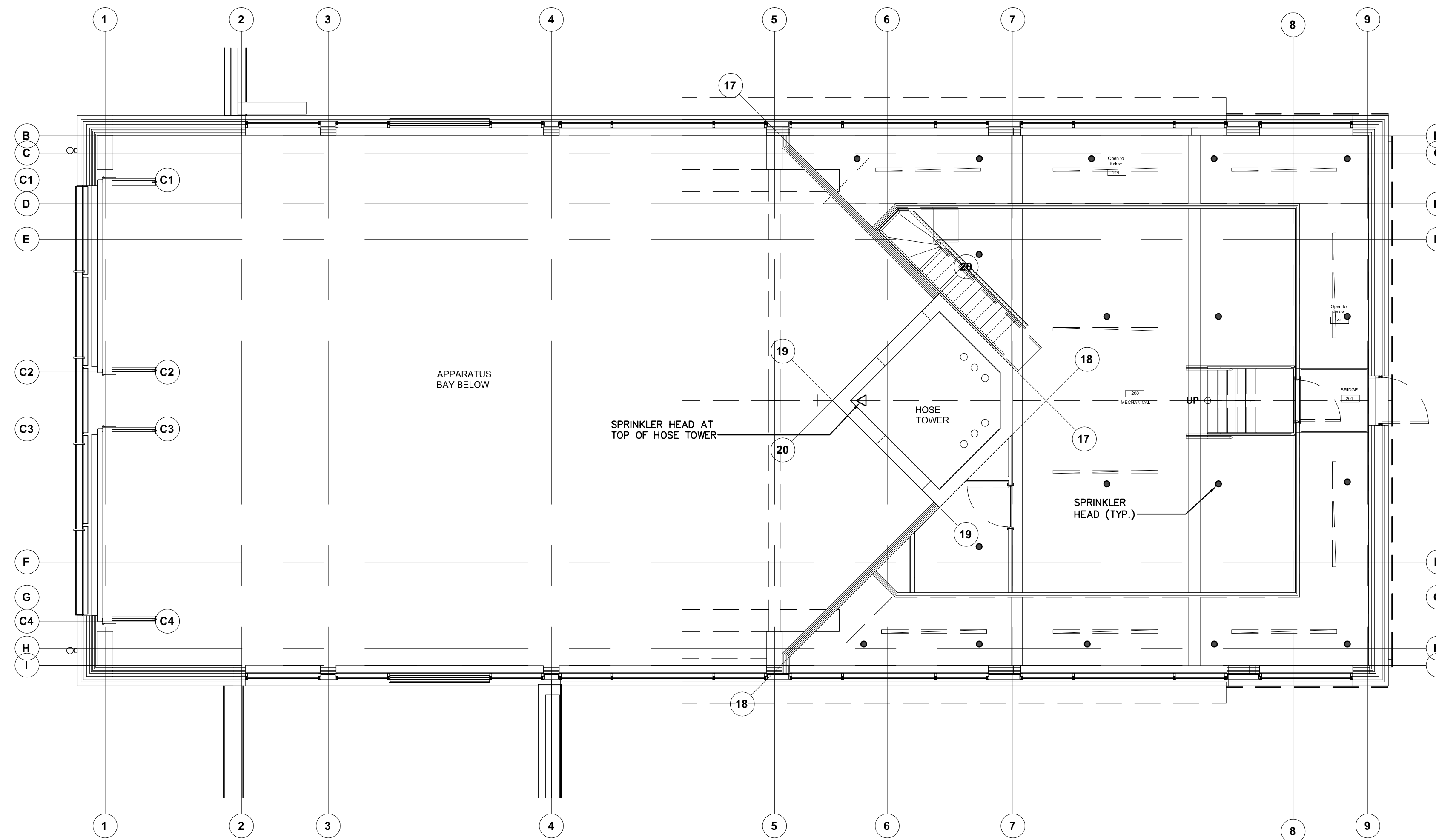
SCALE: 1:75 DRAWN BY: C.R.

DWG STATUS: TENDER

PROJECT NO.: 2104

DRAWING NO.: **M-3.2** REVISION: 04

2022-06-20 2:29:07 PM



LEGEND	
	LED LIGHT FIXTURE - LETTER DENOTES TYPE
	LED, CEILING FIXTURE - LETTER DENOTES TYPE
	LED, LIGHT FIXTURE 24/7 'ON' NIGHT LIGHT FIXTURE
	LIGHT STANDARD
	LED WALL FIXTURE - LETTER DENOTES TYPE
	EXIT LIGHT FIXTURE WALL OR CEILING MOUNTED, PICTOGRAM TYPE - SHADED AREA DENOTES FACE
	EMERGENCY LIGHTING TYPE 1 (SINGLE HEAD) & TYPE 2 (DOUBLE HEADS), LED, 24V, 7W PER HEAD, BAGHELLI BTMR-MR16-LED-7W/HEAD-24V OR APPROVED EQUAL EXCEPT FOR APPARATUS BAY & EMS BAY AREAS. BAGHELLI SEA SERIES-MR16-LED-7W/HEAD-WEATHERPROOF-NEMA 4X OR APPROVED EQUAL SUITABLE FOR WET LOCATIONS SHALL BE PROVIDED FOR APPARATUS BAY & EMS BAY AREAS.
	EMERGENCY LIGHTING TYPE 1 (SINGLE HEAD) & TYPE 2 (DOUBLE HEADS), LED, 24V, 7W PER HEAD, WEATHERPROOF, BAGHELLI SEA SERIES-MR16-LED-7W/HEAD-WEATHERPROOF-NEMA 4X OR APPROVED EQUAL SUITABLE FOR WET LOCATIONS.
	EMERGENCY LIGHTING BATTERY UNIT, 24V, (BAGHELLI/NOVA-NV-24-WATTAGE AS SHOWN ON DRAWINGS OR APPROVED EQUAL), SUITABLE FOR 120V INPUT VOLTAGE UNLESS NOTED OTHERWISE.
	STANDARD 15A 120V 1P DUPLEX RECEPTACLE. 'TR' DENOTES TAMPER RESISTANT TYPE.
	STANDARD DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER. 'TR' DENOTES TAMPER RESISTANT TYPE.
	STANDARD DUPLEX RECEPTACLE 15A/20A (SPLIT FEED).
	STANDARD DUPLEX RECEPTACLE (SPLIT FEED) MOUNTED ABOVE COUNTER.
	G.F.J DUPLEX RECEPTACLE. 'TR' DENOTES TAMPER RESISTANT TYPE.
	G.F.J DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER. 'TR' DENOTES TAMPER RESISTANT TYPE.
	15A QUAD. RECEPTACLE WITH SEPARATE NEUTRAL AND GROUND WIRE PER CIRCUIT. 'TR' DENOTES TAMPER RESISTANT.
	G.F.J QUAD. RECEPTACLE MOUNTED ABOVE COUNTER. 'TR' DENOTES TAMPER RESISTANT.
	CEILING MOUNTED DUPLEX RECEPTACLE
	15A/20A 2-TAP RECEPTACLE ON 20A CIRCUIT. 'TR' DENOTES TAMPER RESISTANT.
	LS-20R TWIST LOCK RECEPTACLE BLACK IN COLOUR WITH SEPARATE NEUTRAL AND GROUND WIRE PER CIRCUIT FOR FEEDING POWER TO UPS OF I.T. RACK.
	LS-20RA 20A RECEPTACLE BLACK IN COLOUR WITH SEPARATE NEUTRAL AND GROUND WIRE PER CIRCUIT FOR FEEDING POWER TO UPS OF I.T. RACK.
	120V, 15A CEILING MOUNTED EXTENSION CORD REEL C/W DUPLEX RECEPTACLE AND OUTLET BOX (HUBBELL# HBL45123R + HBL5220V) C/W SUPPORTING SYSTEM. CO-ORDINATE ON SITE FOR EXACT LOCATION/ MORE INFORMATION AND PROCEED ACCORDINGLY.
	TAMPER RESISTANT US CHARGER DUPLEX RECEPTACLE, 125V, 15A, 2-POLE, 3W, 5-15R (HUBBELL# USB 15X2 OR ATOM HAT (COOPER# TR745))
	3-POLE, 250V RECEPTACLE 14-20R FOR UPS RACK
	3-POLE, 250V RECEPTACLE 14-30R FOR DRYER
	3-POLE, 250V RECEPTACLE 14-50R FOR RANGE
	SPECIAL OUTLET AS NOTED
	SINGLE POLE LIGHT SWITCH UNLESS NOTED OTHERWISE.
	KEYED SWITCH TO OPEN MUSHROOM DOOR IN CASE OF EMERGENCY.
	THREE WAY LIGHT SWITCH
	FOUR WAY LIGHT SWITCH
	1-BUTTON LOW VOLTAGE DLM TYPE LIGHT SWITCH (TYP.) UNLESS NOTED OTHERWISE.
	4-BUTTON LOW VOLTAGE DLM TYPE LIGHT SWITCH (TYP.)
	ELECTRIC HEATING UNIT, NO. DENOTES TYPE
	DOOR OPERATOR PUSH BUTTON UNLESS NOTED OTHERWISE
	REQUEST TO EXIT DEVICE
	PUSH TO LOCK BUTTON
	PANELBOARD
	MOTOR STARTER. LETTER 'F' DENOTES FLUSH MTD, 'P' = PILOT LIGHT, 'S' = MOTOR MTD. EF-3 = EQUIPMENT CONTROLLED BY STARTER
	DISCONNECT SWITCH - WP DENOTES WEATHERPROOF
	COMBINATION MOTOR STARTER AND DISCONNECT
	MOTOR OUTLET AS NOTED
	MOTOR & DISCONNECT SWITCH TO SUIT
	RECESSED P.A. SPEAKER RECESSED, WALL MOUNTED. REFER SCHEMATIC DIAGRAMS FOR MORE INFORMATION.
	SURFACE MOUNTED P.A. SPEAKER. REFER SCHEMATIC DIAGRAMS FOR MORE INFORMATION.
	EXTERIOR TYPE P.A. SPEAKER, WALL MOUNTED. REFER SCHEMATIC DIAGRAMS FOR MORE INFORMATION.
	PA CONSOLE/MICROPHONE. REFER SCHEMATIC DIAGRAMS FOR MORE INFORMATION.
	MICROPHONE OUTLET
	WATT STOPPER LMDX-100 OCCUPANCY/VACANCY SENSOR, DUAL TECH WALL CORNER MOUNT/CEILING MOUNT C/W ROOM CONTROLLERS AS REQUIRED. LIGHTING CONTROL TO BE MANUAL-ON, AUTO-OFF.
	WATT STOPPER DW-100-120 DUAL TECHNOLOGY WALLSWITCH SENSOR LINE VOLTAGE (AUTO-ON, AUTO-OFF).
	WATT STOPPER LMUC-100 OCCUPANCY SENSOR, ULTRA SONIC CEILING MOUNT C/W ROOM CONTROLLERS AS REQUIRED.
	WALL MOUNTED DUAL TECHNOLOGY TWO RELAY LINE VOLTAGE OCCUPANCY SENSOR. WATT STOPPER DW-200-120 (MANUAL-ON, AUTO-OFF)
	WATT STOPPER LMDc-100 OCCUPANCY/VACANCY SENSOR, DUAL TECH CEILING MOUNT, 360 DEGREES C/W ROOM CONTROLLERS AS REQUIRED. LIGHTING CONTROL TO BE MANUAL-ON, AUTO-OFF.
	WATT STOPPER LMDX-100 VACANCY SENSOR, DUAL TECH WALL CORNER MOUNT/CEILING MOUNT C/W ROOM CONTROLLERS AS REQUIRED.
	WATT STOPPER LMDc-100 OCCUPANCY/VACANCY SENSOR, DUAL TECH CEILING MOUNT, 360 DEGREES C/W ROOM CONTROLLERS AS REQUIRED. LIGHTING CONTROL TO BE AUTO-ON, AUTO-OFF.
	WATT STOPPER LMLS-500 OPEN LOOP DAYLIGHT SENSOR.
	BATTERY OPERATED CLOCK (12" DIA. SEMI FLUSH, BATTERY OPERATED, BLACK/RED 24 HOUR DIA. AND GREY CASE WITH SYMMETRY HANDS. EDWARDS MODEL# 18B5A SERIES OR SIMPLX.
	CEILING MOUNTED A/V OUTLET FOR PROJECTOR
	VGA MONITOR OUTLET C/W 21 mm. TO CEILING MOUNTED AV OUTLET.
	CABLE TV OUTLET C/W 21mm CONDUIT UPTO CABLE TRAY IN NEAREST CORRIDOR.
	COUNTDOWN CLOCK-FIRE STATION ALERT SYSTEM

LEGEND (CONTD.)	
	RECESSED FLOOR BOX C/W COVER AND DEVICES AS PER LAYOUT DWGS. WIREMOLD RFB-SS SERIES, FINISH TO ARCHITECT SELECTION.
	EMERGENCY PUSH BUTTON (CAMDEN 5/8" MUSHROOM, STAINLESS STEEL FACIPLATE, PUSH/PULL, 'PRESS FOR ASSISTANCE', CM-450R/12) OF CALL FOR ASSISTANCE SYSTEM (CALL FOR ASSISTANCE SYSTEM SHALL BE CAMDEN# CX-WEC10). THE EMERGENCY PUSH BUTTON SHALL BE MOUNTED ON A SINGLE GANG BOX. REFER FLOOR PLAN DWGS. FOR MORE INFORMATION.
	SINGLE GANG LED ANNUNCIATOR C/W SOUNDER, 'ASSISTANCE REQUESTED' (CAMDEN: CM-AF50150) OF CALL FOR ASSISTANCE SYSTEM (CALL FOR ASSISTANCE SYSTEM SHALL BE CAMDEN# CX-WEC10). REFER FLOOR PLAN DWGS. FOR MORE INFORMATION.
	SINGLE GANG DOME LIGHT WITH SOUNDER, 'ASSISTANCE REQUIRED' (CAMDEN: CM-AF14050) OF CALL FOR ASSISTANCE SYSTEM (CALL FOR ASSISTANCE SYSTEM SHALL BE CAMDEN# CX-WEC10). REFER FLOOR PLAN DWGS. FOR MORE INFORMATION.
	FIRE ALARM MANUAL STATION C/W PLASTIC COVER WITH LOCAL HORN - LETTERS WG DENOTES C/W WIREGUARD
	AUTOMATIC FIRE DETECTOR RATE OF RISE 135 DEG. F. UNLESS NOTED OTHERWISE - NUMBER DENOTES ZONE, LETTER G DENOTES GUARD
	AUTOMATIC FIRE DETECTOR - FIXED TEMPERATURE AS NOTED FIRE ALARM HORN. 'S' DENOTES C/W STROBE LIGHT, 'WG' - WIRE GUARD
	PHOTO ELECTRIC SMOKE DETECTOR
	ALARM DUCT TYPE SMOKE DETECTOR
	120V AC 3-IN-1 LED STROBE SMOKE ALARM/CO (THREE IN ONE) C/W STROBE & 10 YEAR SEALED BATTERY BACK-UP (MIDEX#4610ACLEDSS00CA).
	END-OF-LINE RESISTOR
	FIRE ALARM HORN. 'S' DENOTES C/W STROBE LIGHT.
	FIRE ALARM STROBE.
	FLOW SWITCH-SPRINKLER SYSTEM
	SUPERVISORY ZONE SWITCH-SPRINKLER SYSTEM
	120V CARBON MONOXIDE DETECTOR C/W BATTERY BACK-UP AND AUXILIARY CONTACTS TO INITIATE A DEDICATED SUPERVISORY ZONE IN FIRE ALARM SYSTEM.
	TELEPHONE/DATA OUTLET C/W JACK & CABLE, 21mm EMT CONDUIT TO I.T. ROOM AT MEZZANINE LEVEL. REFER SPECIFICATIONS FOR MORE INFORMATION.
	DATA OUTLET C/W JACK & CABLE & 21mm EMT CONDUIT TO I.T. ROOM AT MEZZANINE LEVEL. NO. DENOTES NUMBER OF DATA DROPS. REFER SPECIFICATIONS FOR MORE INFORMATION.
	TELEPHONE OUTLET C/W JACK & CABLE & 21mm EMT CONDUIT TO I.T. ROOM AT MEZZANINE LEVEL. REFER SPECIFICATIONS FOR MORE INFORMATION.
	CEILING MOUNTED WIRELESS ACCESS POINT CONSISTING OF A DATA DROP C/W 27MM CONDUIT & WIRING TO I.T. ROOM AT MEZZANINE LEVEL. REFER SPECIFICATIONS FOR MORE INFORMATION.
	DOOR ELECTRIC STRIKE
	KEY OVERRIDE SWITCH TO OVERRIDE ELECTRIC STRIKE
	SECURITY KEY PAD C/W 16MM CONDUIT SECURITY PANEL IN I.T. ROOM.
	CARD READER C/W 16MM CONDUIT UPTO CABLE TRAY IN NEAREST CORRIDOR UNLESS NOTED OTHERWISE.
	CCTV CAMERA C/W 27mm CONDUIT UPTO I.T. ROOM
	CCTV MONITOR C/W 27mm CONDUIT UPTO DVR PANEL/CCTV RACK
	SECURITY SYSTEM- MOTION SENSOR, WALL MOUNTED C/W 27MM CONDUIT UPTO CABLE TRAY IN NEAREST CORRIDOR
	SECURITY SYSTEM- MOTION SENSOR/GLASS BREAK COMBO, 360 DEGREE CEILING MOUNTED, WALL MOUNTED C/W 27MM CONDUIT UPTO SECURITY PANEL
	DOOR HOLD OPEN DEVICE C/W CONDUIT AND WIRING
	SECURITY SYSTEM DOOR CONTACT C/W 16MM CONDUIT UPTO SECURITY PANEL VIA A JUNCTION BOX IN NEAREST ACCESSIBLE CEILING SPACE
	SECURITY SYSTEM ROOF HATCH DOOR CONTACT C/W 27MM CONDUIT UPTO CABLE TRAY IN NEAREST CORRIDOR
	SECURITY SYSTEM OVERHEAD DOOR CONTACT C/W 16MM CONDUIT UPTO SECURITY PANEL VIA A JUNCTION BOX IN NEAREST ACCESSIBLE CEILING SPACE.
	PUSH BUTTON FOR DOOR BELL (STI STOPPATION STATION, NO TEXT, SSS2YQ, UNIVERSAL STOPPER LABEL SHELL, MOMENTARY (ILLUMINATED), ENGLISH, C/W ACCESSORIES AS REQUIRED.
	120V DOOR BELL, EDWARDS# STRAP MOUNTED BELL/BUZZER, MODEL-762, 590 SERIES TRANSFORMER, #993 MOUNTING PLATES FOR 590 SERIES TRANSFORMERS, TRANSFORMER MOUNTING PLATES, SINGLE AND MULTIPLE GANG UTILITY BOXES & ALL ACCESSORIES REQUIRED FOR MOUNTING & FULLY OPERATIONAL SYSTEM.
	ARMING BUTTON C/W 27MM CONDUIT UPTO CABLE TRAY IN NEAREST CORRIDOR
	SECURITY SYSTEM BUZZER C/W 27MM CONDUIT UPTO CABLE TRAY IN NEAREST CORRIDOR
	PHOTOCELL
	THERMOSTAT
	ACKNOWLEDGE BUTTON-FIRE ALERT SYSTEM
	COUNTDOWN CLOCK-FIRE ALERT SYSTEM.
	REQUEST TO EXIT PUSH BUTTON/BAR: SHALL RELEASE ELECTRIC STRIKE OF RESPECTIVE DOOR.
	MAINTAINED TWIST RELEASE RED COLORED MUSHROOM KEYLESS TYPE EMERGENCY PUSH BUTTON FOR SHUT DOWN OF POWER FOR GAS SOLENOID VALVE IN CASE OF EMERGENCY. PROVIDE SUITABLE LABEL ON THE PUSH BUTTON.
	WALL MOUNTED J-HOOK IN CEILING
	53 MM(2") CONDUIT SLEEVE THRU WALL ABOVE CEILING
	SPEED CONTROLLER OF CEILING FAN
	TRF. DENOTES TRANSFORMER
	HWT DENOTES DOMESTIC HOT WATER TANK
	RH DENOTES RANGE HOOD
	RG DENOTES RANGE
	DW DENOTES DISHWASHER
	MW DENOTES MICROWAVE
	MD DENOTES MOTORIZED DAMPER
	PT DENOTES PIPE HEAT TRACING
	WG DENOTES WIRE GUARD
	FACP DENOTES FIRE ALARM CONTROL PANEL
	FAAP DENOTES RECESSED LED TYPE OF FIRE ALARM ANNUNCIATOR PANEL C/W PASSIVE GRAPHICS
	FMP DENOTES RECESSED FIRE ALARM MONITORING PANEL. PROVIDE A DEDICATED PHONE LINE FOR THIS MONITORING PANEL AND PROVIDE 1-21MM CONDUIT FROM THIS PANEL TO FACP.
	DO DENOTES DOOR OPERATOR
	FGE DENOTES FREEZE
	FZR DENOTES FREEZER
	EFC DENOTES POWER FOR ELECTRONIC FAUCET/PLUMBING FIXTURES
	FSA DENOTES FIRE STATION ALERT SYSTEM

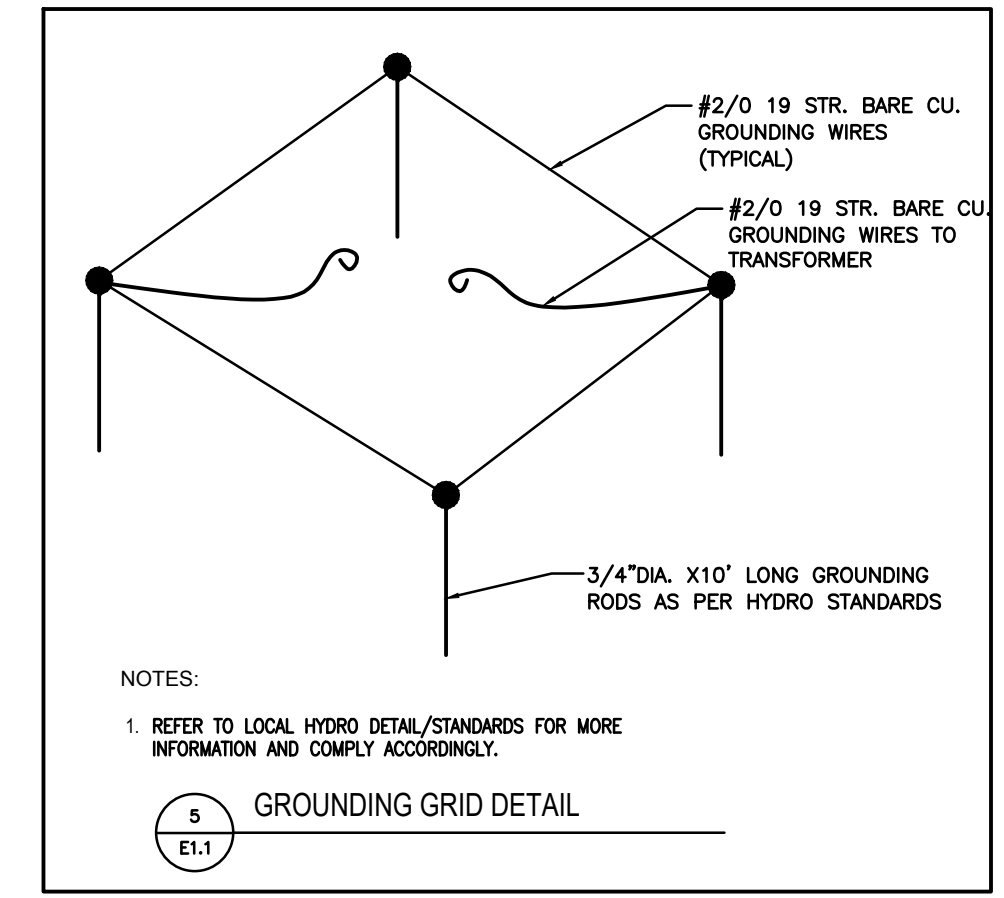
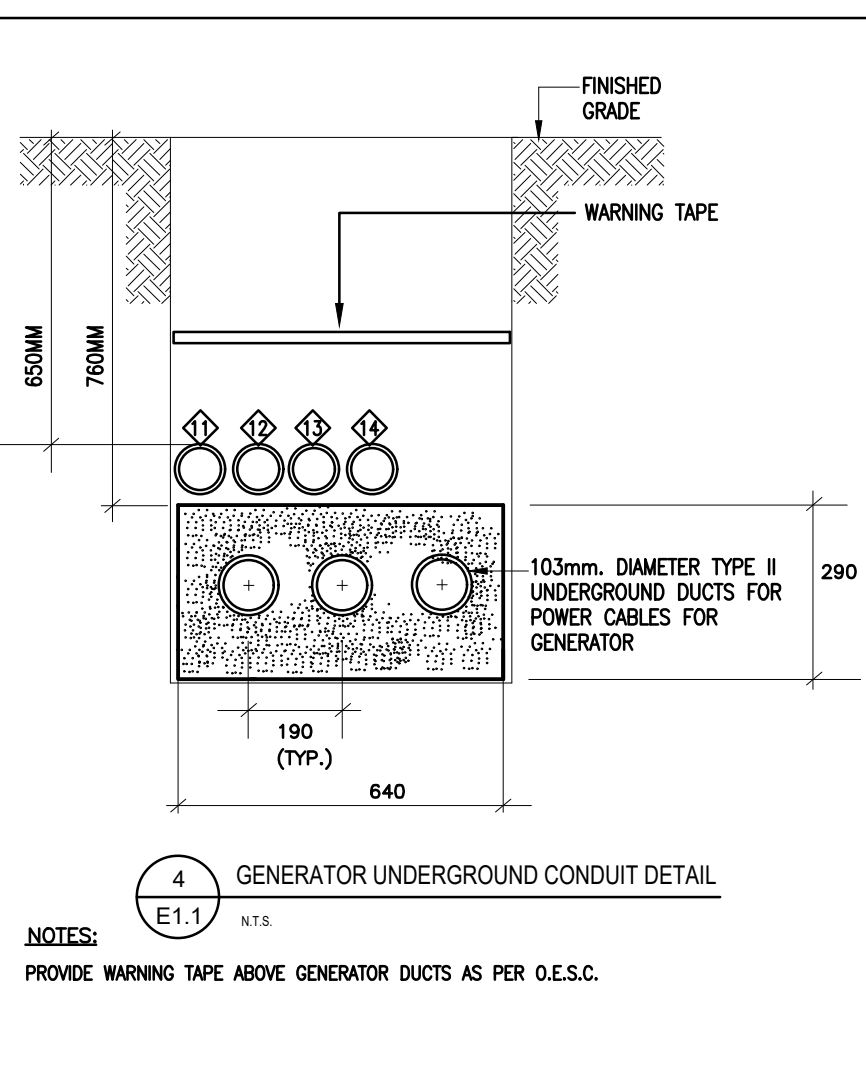
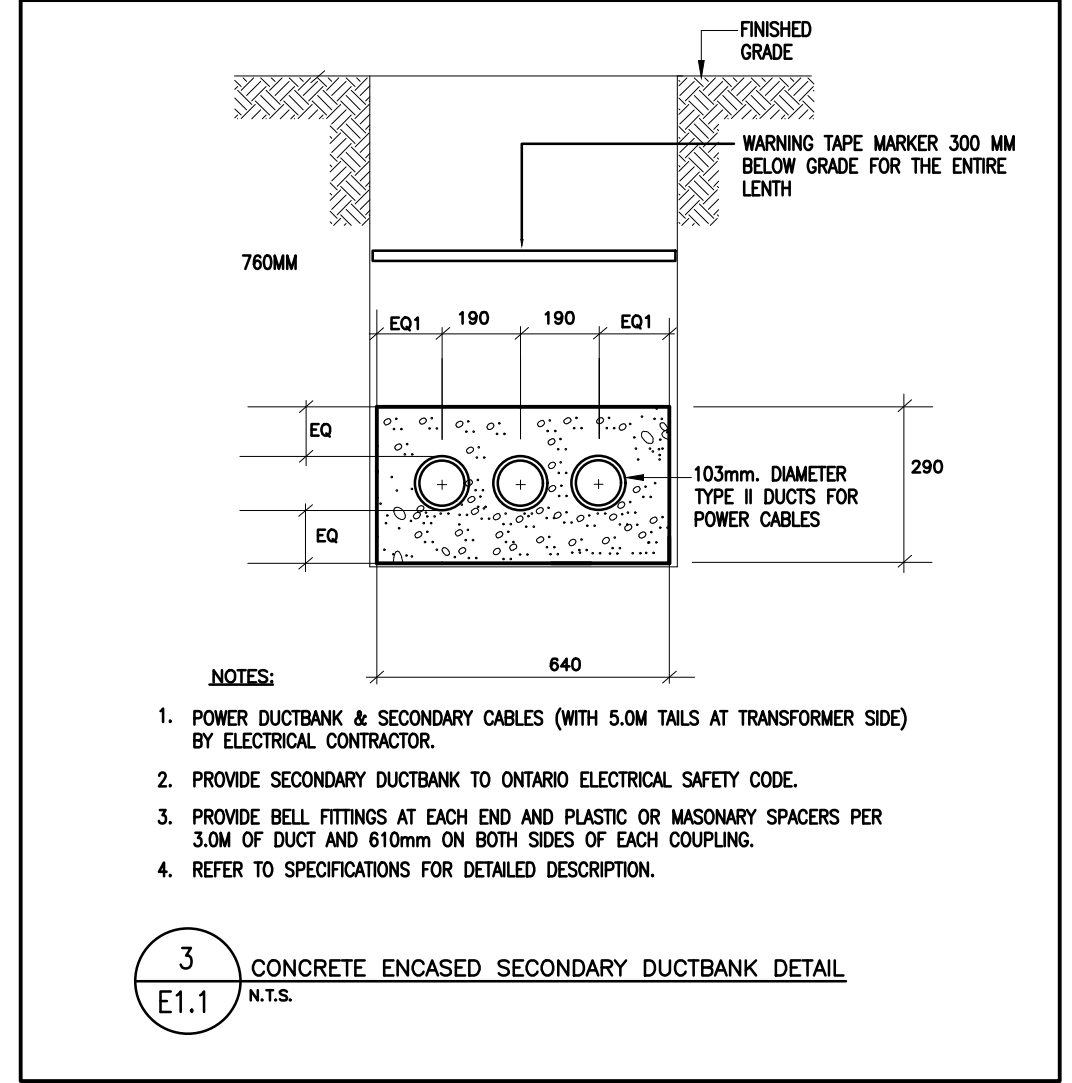
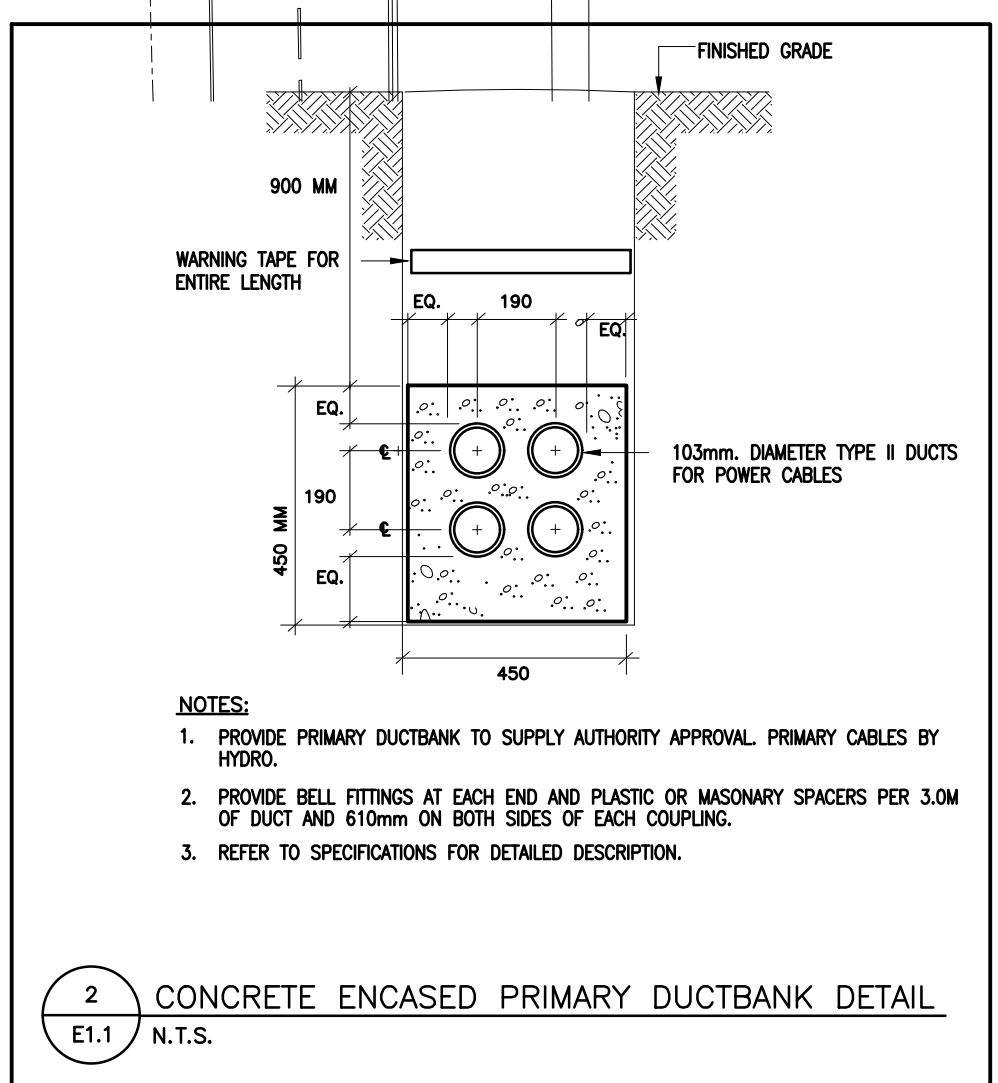
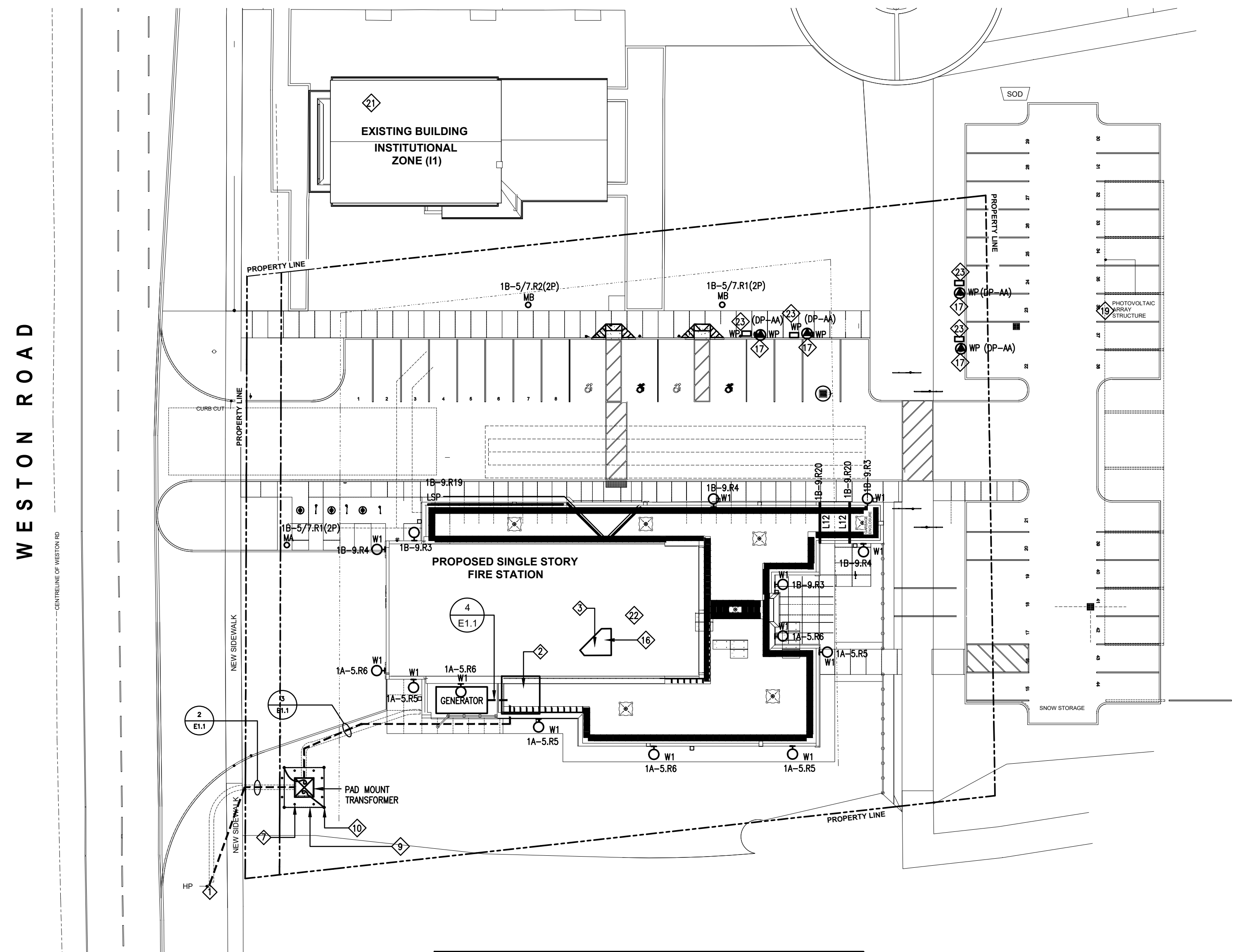
LEGEND (CONTD.)	
	ATS DENOTES AUTOMATIC TRANSFER SWITCH
	H.D. DENOTES HEAT DETECTOR
	S.D. DENOTES SMOKE DETECTOR
	P.S. DENOTES PULL STATION
	CUH DENOTES CABINET UNIT HEATER
	UH DENOTES UNIT HEATER
	WSH DENOTES WASHER
	DR DENOTES DRYER
	WP DENOTES WEATHER PROOF.
	VVT DENOTES VARIABLE VOLUME TEMPERATURE.
	HD DENOTES HAND DRYER
	CUH DENOTES CABINET UNIT HEATER
	A/V DENOTES AUDIO/VISUAL SYSTEM
	LVS DENOTES LOCAL VOLUME CONTROL OF P.A. SPEAKERS
	M&V DENOTES METERING & VERIFICATION SYSTEM
	O/H DOOR DENOTES OVERHEAD DOOR
	FC-1 DENOTES CEILING FAN#1 (TYP.)
	TRF. DENOTES TRANSFORMER
	FC-1 DENOTES FAN COIL#1 (TYP.)
	FSA DENOTES FIRE STATION ALERT SYSTEM
	LWMP DENOTES LV MASTER SWITCH PANEL
	1A-1 DENOTES EQUIPMENT FED FROM PANEL '1A' AND BREAKER #1
	1A-2,1 DENOTES EQUIPMENT FED FROM PANEL '1A' AND BREAKER #2 AND CONTROLLED BY SWITCH #1
	1A-3,R1 DENOTES EQUIPMENT FED FROM PANEL '1A' AND BREAKER #3 AND CONTROLLED VIA RELAY-R1.
	1A-5,7,R2(2P) DENOTES EQUIPMENT FED FROM PANEL '1A' AND 2-POLE BREAKER #5/7 AND CONTROLLED VIA 2-POLE RELAY-R2.
	DETAIL 1 ON DRAWING E101
	NOTE PERTAINING TO SPECIFIC ITEM OR AREA
NOTES FOR LEGEND:	
1.	THE WEATHERPROOF RECEPTACLES SHALL BE PROVIDED WITH COVER PLATES SUITABLE FOR WET LOCATIONS WHETHER OR NOT A PLUG IS INSERTED INTO THE RECEPTACLE (N-USE COVER PLATE) AND MARKED # EXTRA UTY AS PER RULE 26-702(2) OF OESC.
2.	'I' INDICATED BESIDE SYMBOL OF A DUPLEX RECEPTACLE DENOTES THAT THE RECEPTACLE SHALL BE T-SLOT ON 20A CCT.
3.	'C' INDICATED BESIDE SYMBOL OF A DEVICE DENOTES THAT THE DEVICE SHALL BE CEILING MOUNTED.
4.	'TR' INDICATED BESIDE SYMBOL OF A DUPLEX RECEPTACLE DENOTES THAT THE RECEPTACLE SHALL BE TAMPER RESISTANT TYPE OF RECEPTACLE.
5.	SLASH LINE SHOWN ON SYMBOL OF A DEVICE (RECEPTACLE, DATA OUTLET, TELEPHONE OUTLET OR DATA/PHONE OUTLET) MEANS THAT THE DEVICE/OUTLET IS TO BE LOCATED ABOVE COUNTER.

HEATER SCHEDULE	
TYPE	DESCRIPTION
A	500W 120V BASEBOARD HEATER C/W REMOTE THERMOSTAT DIMPLEX CAT. # AFBF205 STELPRO, QUELLETT
B	750W 120V BASEBOARD HEATER C/W REMOTE THERMOSTAT DIMPLEX CAT. # AFBF307 STELPRO, QUELLETT
C	1250W 120V BASEBOARD HEATER C/W REMOTE THERMOSTAT DIMPLEX CAT. # AFBF512 STELPRO, QUELLETT
D	2000W, 208V, 1-PH, BASEBOARD HEATER C/W REMOTE THERMOSTAT DIMPLEX CAT. # AFBF820 STELPRO, QUELLETT
E	2250W 208V, 1-PH, SURFACE MOUNTED FLOW HEATER C/W REMOTE THERMOSTAT DIMPLEX CAT. # RFB30031-RFPBWC STELPRO, QUELLETT
F	2250W 208V, 1-PH, SEMI RECESSED FORCED FLOW HEATER TO BE MOUNTED IN T-BAR CEILING C/W MOUNTING ACCESSORIES, BRACKETS, SUPPORTS, HARDWARE & REMOTE THERMOSTAT. DIMPLEX CAT. # RFB30031 STELPRO, QUELLETT
G	3000W 208V, 1-PH, SEMI RECESSED FORCED FLOW HEATER C/W REMOTE THERMOSTAT. DIMPLEX CAT. # RFB40031 STELPRO, QUELLETT
H	6000W 208V, 1-PH, SURFACE MOUNTED FORCED FLOW HEATER C/W REMOTE THERMOSTAT DIMPLEX CAT. # RFB60021-RFPBWC STELPRO, QUELLETT
J	1000W 120V BASEBOARD HEATER C/W BUILT-IN THERMOSTAT CHROMALOX CAT. # AFBF410 STELPRO, QUELLETT
K	3000W 208V, 1-PH, WALL SURFACE MOUNTED FORCED FLOW HEATER C/W REMOTE THERMOSTAT DIMPLEX CAT. # RFB40031-RFPBWC STELPRO, QUELLETT
UH-1	25.0KW 208V, 3-PH, ELECTRICAL INDUSTRIAL UNIT HEATER, SUSPENDED FROM CEILING TYPE (WAREHOUSE TYPE) C/W REMOTE THERMOSTAT & COMPLETE MOUNTING ACCESSORIES AS REQUIRED. QUELLETT# QAS25038-MOUNTING ACCESSORIES STELPRO, DIMPLEX
UH-2	25.0KW 208V, 3-PH, ELECTRICAL INDUSTRIAL UNIT HEATER, SUSPENDED FROM CEILING TYPE (WAREHOUSE TYPE) C/W REMOTE THERMOSTAT & COMPLETE MOUNTING ACCESSORIES AS REQUIRED. QUELLETT# QAS25038-MOUNTING ACCESSORIES STELPRO, DIMPLEX
NOTES:	
1.	COORDINATE WITH MECHANICAL DRAWINGS/MECHANICAL TRADE FOR EXACT LOCATION OF REMOTE THERMOSTATS PRIOR TO ROUGH-INS.

LUMINAIRE SCHEDULE	
L2	120V, 4" DIA LED DOWN LIGHT FIXTURE, 7.0W, 801 LUMENS, 3000K, DIMMING DRIVER, WET LOCATION C/W MOUNTING ACCESSORIES AS REQUIRED. ORBIT# RIM-R-30K-7W-60D-WH-NC-120V-WET SENSIO ARTEMIS, COOPER, ACUTY
L2A	6" HIGH, 3" WIDE, 1" DEEP WALL RECESSED LED (RED LIGHT EMITTING LIGHT FIXTURE), 3.0W, 352 LUMENS, 120V DRIVER, FINISH TO ARCHITECT'S SELECTION. SOLERA# DOMI-RED LIGHT EMISSION-3WLED-120V-R-CPL-120V AXISSTELIGHT, COOPER, ACUTY
L	

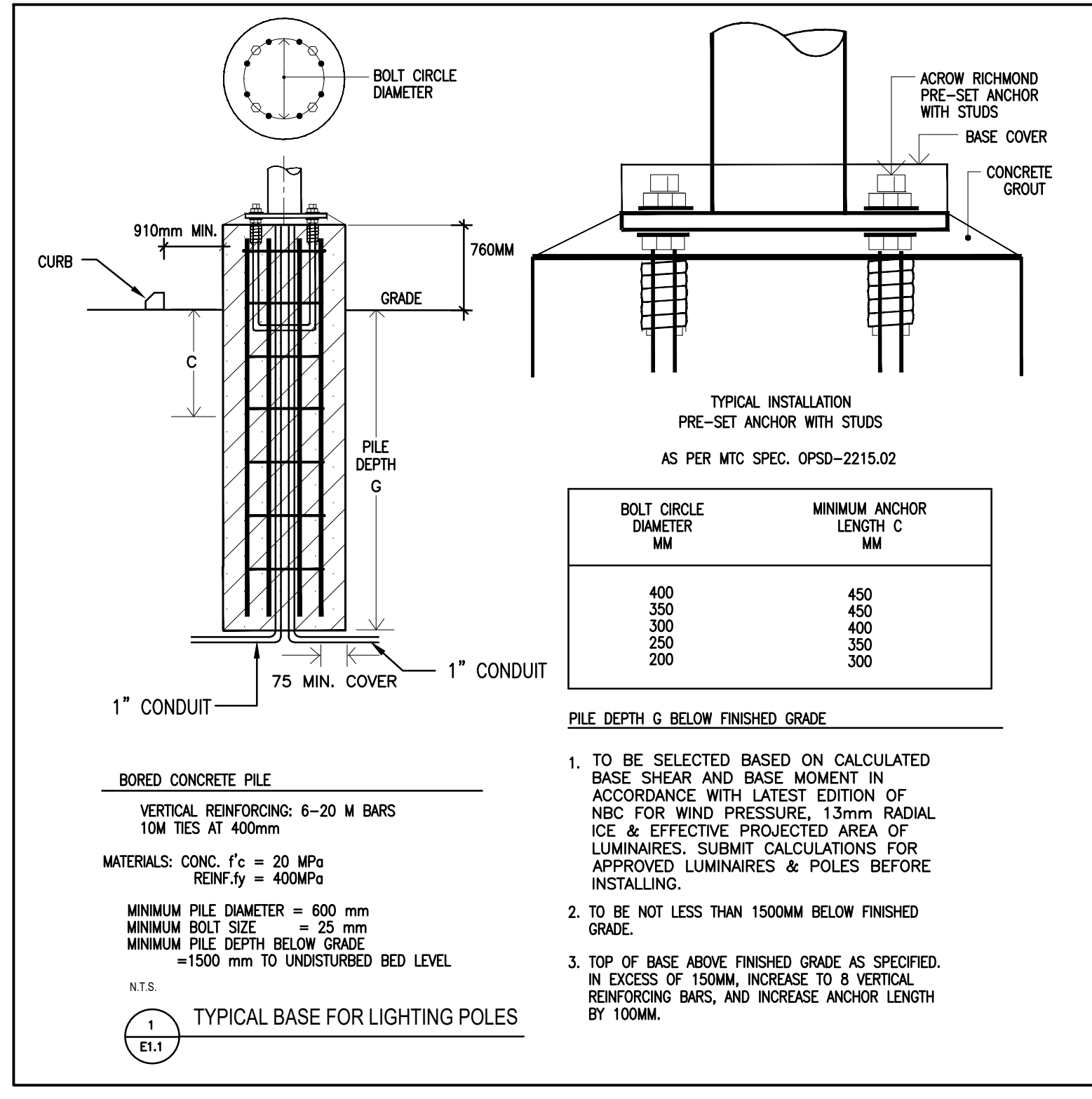
Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Avg/Min
Property Line	Illuminance	Fc	0.00	0.1	0.0	N.A.
V F Stn site	Illuminance	Fc	0.66	17.6	0.0	N.A.

Light levels are Maintained at Grade and 3m on ctrs
All luminaires have a U rating of 0



DRAWING NOTES:

- PRIMARY DUCT BANK SHALL BE TERMINATED AT HYDRO POLE. COORDINATE WITH HYDRO FOR EXACT LOCATION OF THE HYDRO POLE & TERMINATION OF THE PRIMARY DUCT BANK PRIOR TO ROUGH-IN.
- APPROXIMATE LOCATION OF MAIN ELECTRICAL ROOM AT GROUND FLOOR.
- PROVIDE 3-103 mm UNDERGROUND CONDUITS (C/W WARNING TAPES AS PER OESC) FOR TEL/CABLE/FIBRE TO BE LOCATED BELOW GRADE AS PER TABLE-53 OF LATEST OESC REQUIREMENTS AND/OR AS REQUIRED BY SERVICE PROVIDERS (MINIMUM DEPTH OF THE CONDUITS TO BE PER TABLE-53 OF LATEST OESC). CO-ORDINATE WITH OWNER FOR THEIR SERVICE PROVIDERS INFORMATION AND PROVIDE THE UNDERGROUND CONDUITS FOR TEL/CABLE/FIBRE ACCORDINGLY FROM THE I.T. ROOM AT MEZZANINE LEVEL. VERIFY ON SITE FOR EXACT LOCATION/ROOM FOR TERMINATION OF THE CONDUITS PRIOR TO ROUGH-IN) UP TO PROPERTY LINES/POINTS OF SERVICES AS REQUIRED BY THE RESPECTIVE SERVICE PROVIDERS. PROVIDE ALL NECESSARY CO-ORDINATION, EXCAVATION, BACK FILLING, PULL WIRES, ALL MATERIAL, LABOR, ETC. REQUIRED FOR COMPLETE ROUGH-IN SYSTEMS. CO-ORDINATE ON SITE & WITH OTHER TRADES (PRIOR TO COMMENCEMENT OF WORK) FOR ROUTES OF THESE UNDERGROUND CONDUITS. ALLOW FOR APPROXIMATELY 100.0M AS LENGTH (MORE OR LESS) OF EACH CONDUIT.
- THE WARNING TAPES SHOWN/DESCRIBED ON THIS DRAWING SHALL COMPLY WITH RULE 12-012(11) OF OESC. THE TAPE MUST BE BURIED APPROXIMATELY HALFWAY BETWEEN THE INSTALLATION AND GRADE LEVEL, COVERING THE WIDTH OF THE RACKWAYS OR CABLES FOR THE ENTIRE LENGTH & SHALL BE INSTALLED AS PER BULLETIN 12-2 OF OESC.
- ALL EXTERIOR LIGHTING CIRCUITS SHALL BE CARRIED OUT WITH #10 AWG CONDUCTOR.
- ANY METAL (I.E. METAL FENCES, BOLLARDS, PROTECTIVE BARRIERS, ETC.) LOCATED WITHIN 2.4M OF THE PAD MOUNTED TRANSFORMER SHALL BE BONDED TO STATION GROUND ELECTRODE WITH 2/0 AWG COPPER CONDUCTORS AS PER RULE 36-308 & BULLETIN 36-10 OF LATEST OESC.
- PROVIDE PROTECTIVE BOLLARDS (TYP.) CO-ORDINATE WITH HYDRO FOR EXACT LOCATIONS, QUANTITIES OF THE BOLLARDS AND MOUNTING DETAIL OF BOLLARDS PRIOR TO ROUGH-IN AND COMPLY ACCORDINGLY.
- PROVIDE POWER & DATA OUTLET FOR PYLON SIGNAGE. COORDINATE ON SITE FOR EXACT LOCATION PRIOR TO ROUGH-IN.
- PROVIDE GROUNDING LOOP TO TRANSFORMER AS PER HYDRO STANDARDS (TYP.). REFER DETAILS ON DWG. E1.1 FOR MORE INFORMATION.
- PROVIDE GROUNDING RODS, QUANTITIES, LOCATIONS, TYPE TO BE AS PER HYDRO REQUIREMENTS/HYDRO STANDARDS. COORDINATE WITH HYDRO & PROCEED ACCORDINGLY.
- PROVIDE 1-53MM UNDERGROUND CONDUIT C/W WIRING TO GENERATOR ANNUNCIATOR PANEL.
- PROVIDE 1-41MM UNDERGROUND CONDUIT C/W WIRING FOR GEN. PANEL FROM PANEL-1A.
- PROVIDE 1-27MM UNDERGROUND CONDUIT C/W WIRING TO ATS-1 FOR START OPTION.
- PROVIDE 1-27MM UNDERGROUND CONDUIT C/W WIRING TO ATS-1 FOR TRIPPING GENERATOR LOAD TESTING BREAKER-G2.
- PROVIDE PROTECTIVE BOLLARDS (TYP.) FOR GENERATOR. COORDINATE ON SITE FOR EXACT LOCATION & QUANTITIES PRIOR TO ROUGH-INS.
- APPROXIMATE LOCATION OF I.T. ROOM-140 AT MEZZANINE LEVEL.
- PROVIDE DATA OUTLET & POWER FOR EV CHARGING STATION (TO BE FED FROM DP-AA FROM 40A 2P BREAKER, REFER DWG. E4.0 FOR MORE INFORMATION) COORDINATE ON SITE FOR EXACT LOCATION PRIOR TO ROUGH-IN.
- PROVIDE POWER & DATA OUTLET FOR POWER GATE. COORDINATE ON SITE FOR EXACT LOCATION PRIOR TO ROUGH-IN.
- PROVIDE 2-3" CONDUITS FROM THIS LOCATION TO MAIN ELECTRICAL ROOM-133 FOR PHOTOVOLTAIC SYSTEM. COORDINATE ON SITE FOR EXACT LOCATION OF TERMINATION OF CONDUITS PRIOR TO ROUGH-INS. BOTH ENDS OF THE CONDUITS TO BE SEALED SUITABLE TO AVOID ENTRY OF WATER/FOREIGN MATERIAL INTO THE CONDUITS.
- REFER DWG. E6.1 FOR HYDRO DETAILS & COMPLY ACCORDINGLY.
- PROVIDE 3-103 mm UNDERGROUND CONDUITS (C/W WARNING TAPES AS PER OESC) FOR TEL/CABLE/FIBRE TO BE LOCATED BELOW GRADE AS PER TABLE-53 OF LATEST OESC REQUIREMENTS FROM I.T. ROOM OF EXISTING BUILDING INSTITUTIONAL ZONE (VELLORE HALL) TO I.T. ROOM AT MEZZANINE LEVEL (IDENTIFIED BY DWG. NOTE-16) FOR COMMUNICATION WIRING. COORDINATE ON SITE FOR EXACT POINTS OF TERMINATION & ROUTE OF THE CONDUIT PRIOR TO ROUGH-INS.
- PROVIDE 2-3" CONDUITS FROM THIS LOCATION AT ROOF TO MAIN ELECTRICAL ROOM-133 FOR PHOTOVOLTAIC SYSTEM. COORDINATE ON SITE FOR EXACT LOCATION OF TERMINATION OF CONDUITS PRIOR TO ROUGH-INS. BOTH ENDS OF THE CONDUITS TO BE SEALED SUITABLE TO AVOID ENTRY OF WATER/FOREIGN MATERIAL INTO THE CONDUITS.
- PROVIDE 2" CONDUIT FROM EV CHARGING STATION TO I.T. ROOM AT MEZZANINE LEVEL FOR COMMUNICATION WIRING. COORDINATE ON SITE FOR EXACT LOCATION OF THE CONDUIT.



LUMINAIRE SCHEDULE

MA	960MM HIGH, LANTERN TYPE LED LIGHTING STANDARD (56.0W, 3522 LUMENS) C/W 3.47M HIGH STEEL STRAIGHT POLE ON 760MM ABOVE GRADE CONCRETE BASE (TOTAL HEIGHT OF THE LIGHT STANDARD TO BE 5.49M ABOVE GRADE). SINGLE HEAD C/W 208V DRIVER. 3000K. POLE AND LUMINAIRE SHALL HAVE FINISH AS PER ARCHITECT SELECTION. NLS# DMR-1-13-MO-32L-53-30K8-HSS-R0-AM-PT. B0-U0-G1 ACUTY, COOPER, SIGNIFY
MB	960MM HIGH, LANTERN TYPE LED LIGHTING STANDARD (56.0W, 3529 LUMENS) C/W 3.47M HIGH STEEL STRAIGHT POLE ON 760MM ABOVE GRADE CONCRETE BASE (TOTAL HEIGHT OF THE LIGHT STANDARD TO BE 5.49M ABOVE GRADE). SINGLE HEAD C/W 208V DRIVER. 3000K. POLE AND LUMINAIRE SHALL HAVE FINISH AS PER ARCHITECT SELECTION. NLS# DMR-1-14-MO-32L-53-30K8-HSS-R0-AM-PT. B0-U0-G1 ACUTY, COOPER, SIGNIFY
WI	LED WALL PACK (9.4W, 1064 LUMENS), MOUNTED @ 3.1M, C/W 120V DRIVER, 3000K. FINISH TO ARCHITECT'S SELECTION. SOLERA# SRBK-4-D-30K-U0. B1-U0-G0 ACUTY, COOPER, SIGNIFY
LSP	1.0M LONG, LED LINEAR LED LIGHT FIXTURE, IP65 (TO BE MOUNTED AS RECESSED IN CHANNEL C/W LENS), 3000K, FOR LIGHTING METAL FACADE. 4.2W/FT., 512 LUMENS/FT. LENGTH & QUANTITIES TO SUIT SITE CONDITIONS (VERIFY ON SITE FOR EXACT EXTENT OF APPLICATION). FINISH TO ARCHITECT'S SELECTION. 120V DRIVER, MOUNTED @ 3.2M A.F.F. DIODE# D1-24V-165-30K-1016-D1-CPQB-16-120V. TOTAL LENGTH AS PER SITE CONDITIONS. ACUTY, COOPER, SIGNIFY

ISSUE OR REVISION

NO.	ISSUED FOR	DATE (M.D.Y)
1	ISSUED FOR SPA	05.03.22
2	RE-ISSUED FOR SPA	06.03.22
3	DESIGN DEVELOPMENT FOR COSTING	07.07.22
4	RE-ISSUED FOR SPA	05.16.23
5	RE-ISSUED FOR SPA	06.12.23
6	RE-ISSUED FOR SPA	06.20.23
7	ISSUED FOR PERMIT	09.20.23
8	RE-ISSUED FOR SPA	09.20.23
9	ISSUED FOR REVIEW	02.13.24
10	ISSUED FOR TENDER	04.15.24

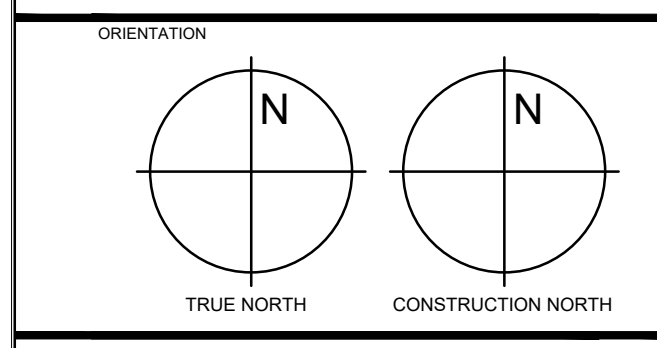
CITY OF VAUGHAN FIRE STATION 7-12
9541 WESTON ROAD, VAUGHAN

CLIENT: Jain

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PROFESSIONAL SEAL
D. JAIN
APR 1974
21-237

SITE PLAN - ELECTRICAL



DATE: _____

SCALE: 1 : 300

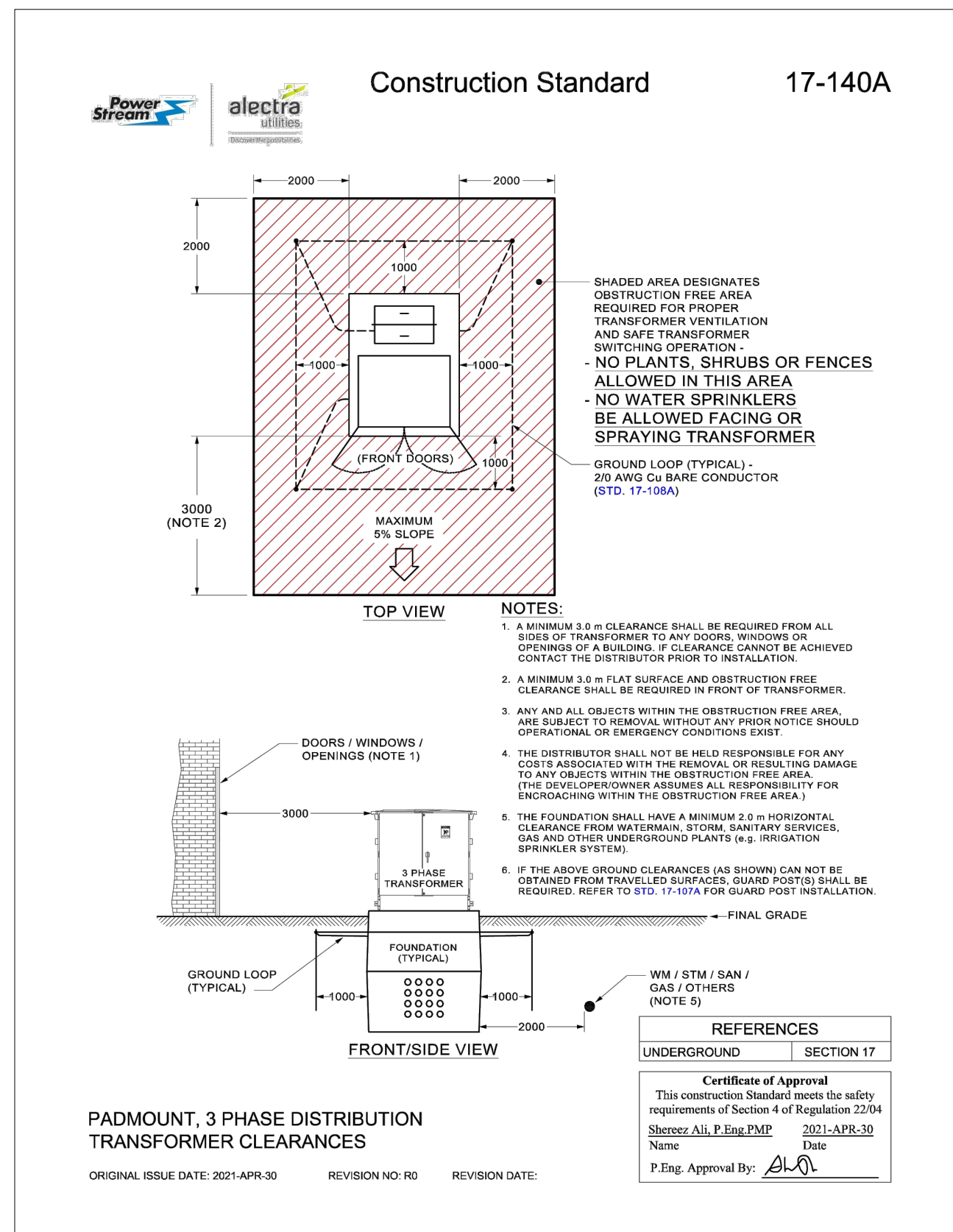
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PROJECT NO: _____

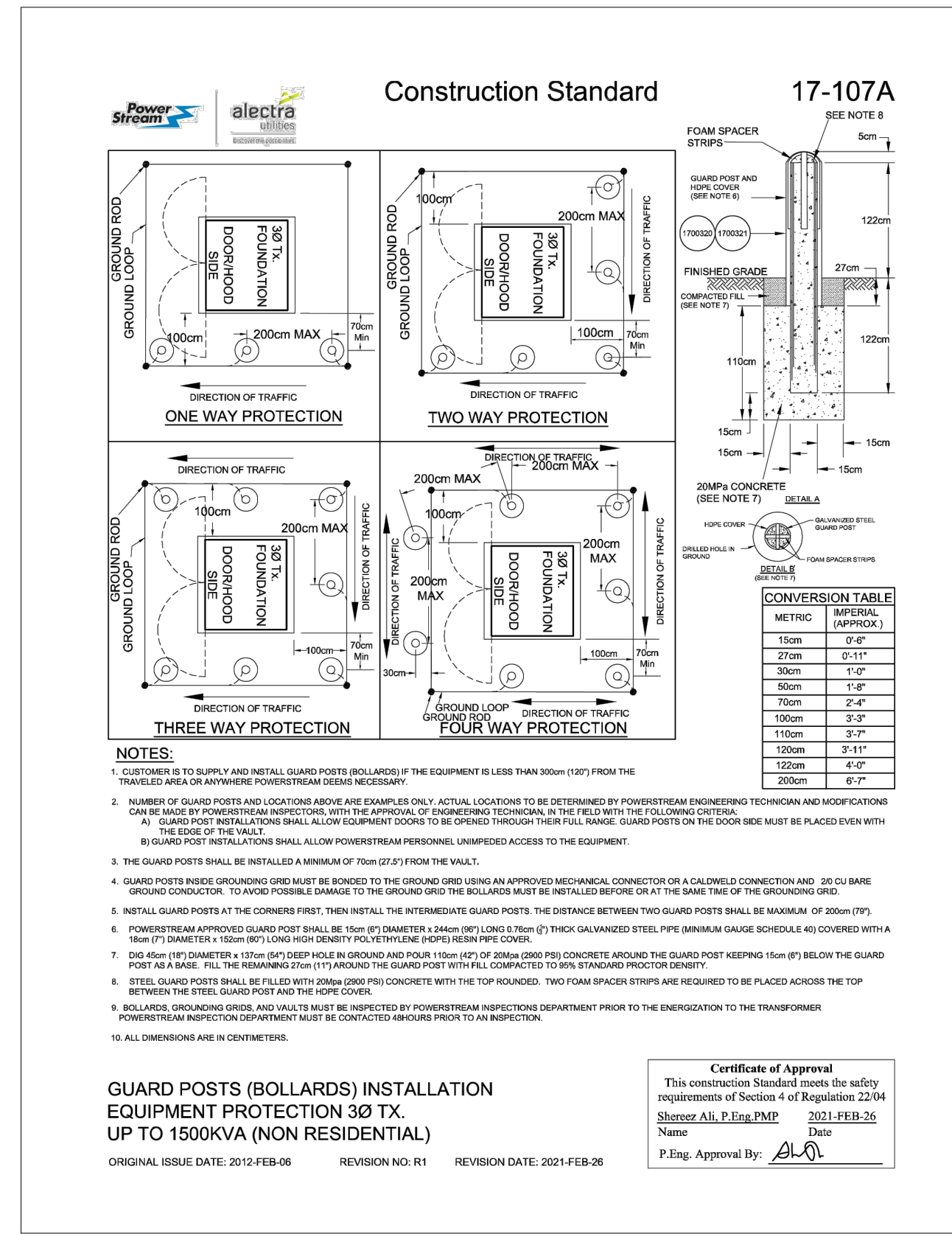
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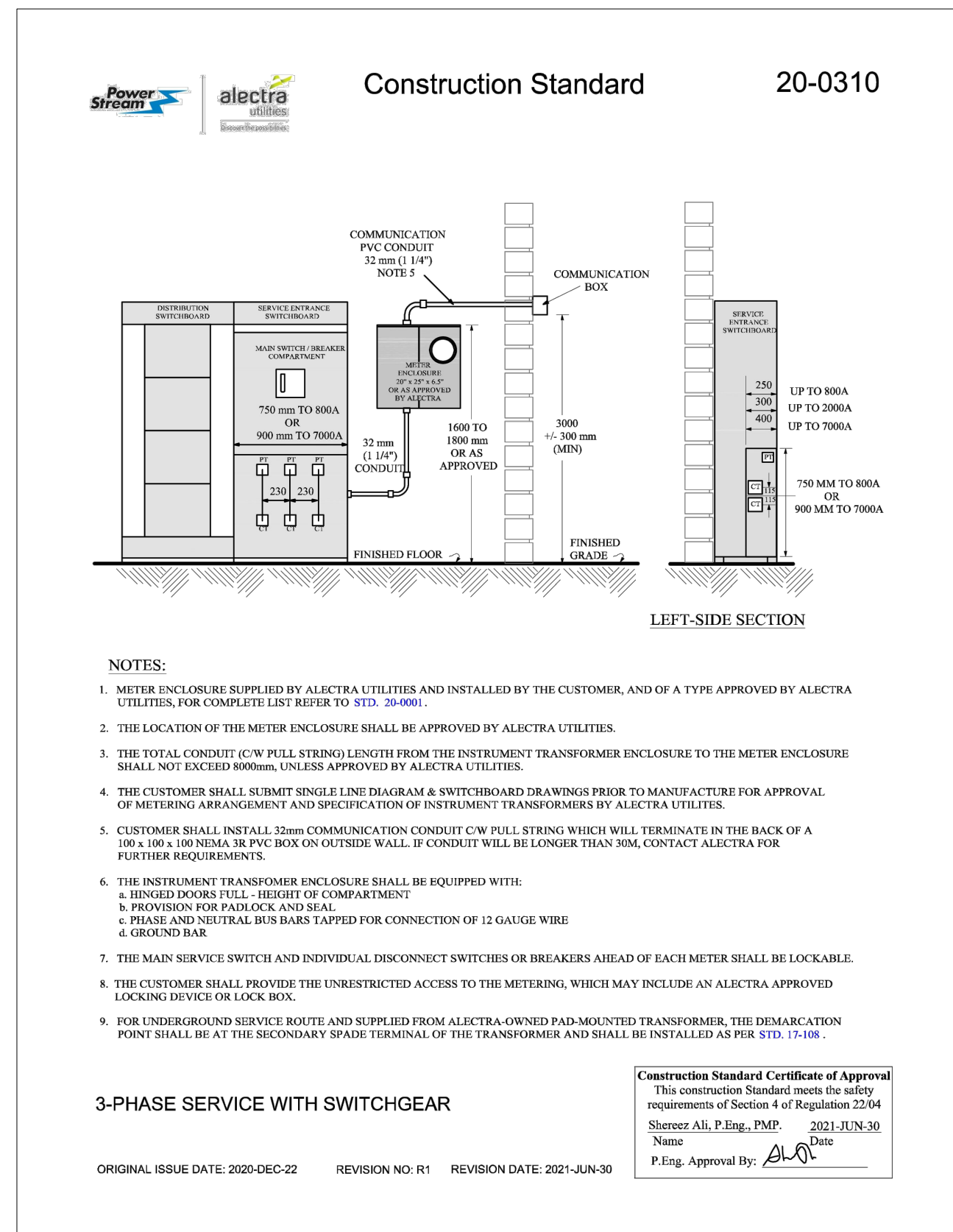
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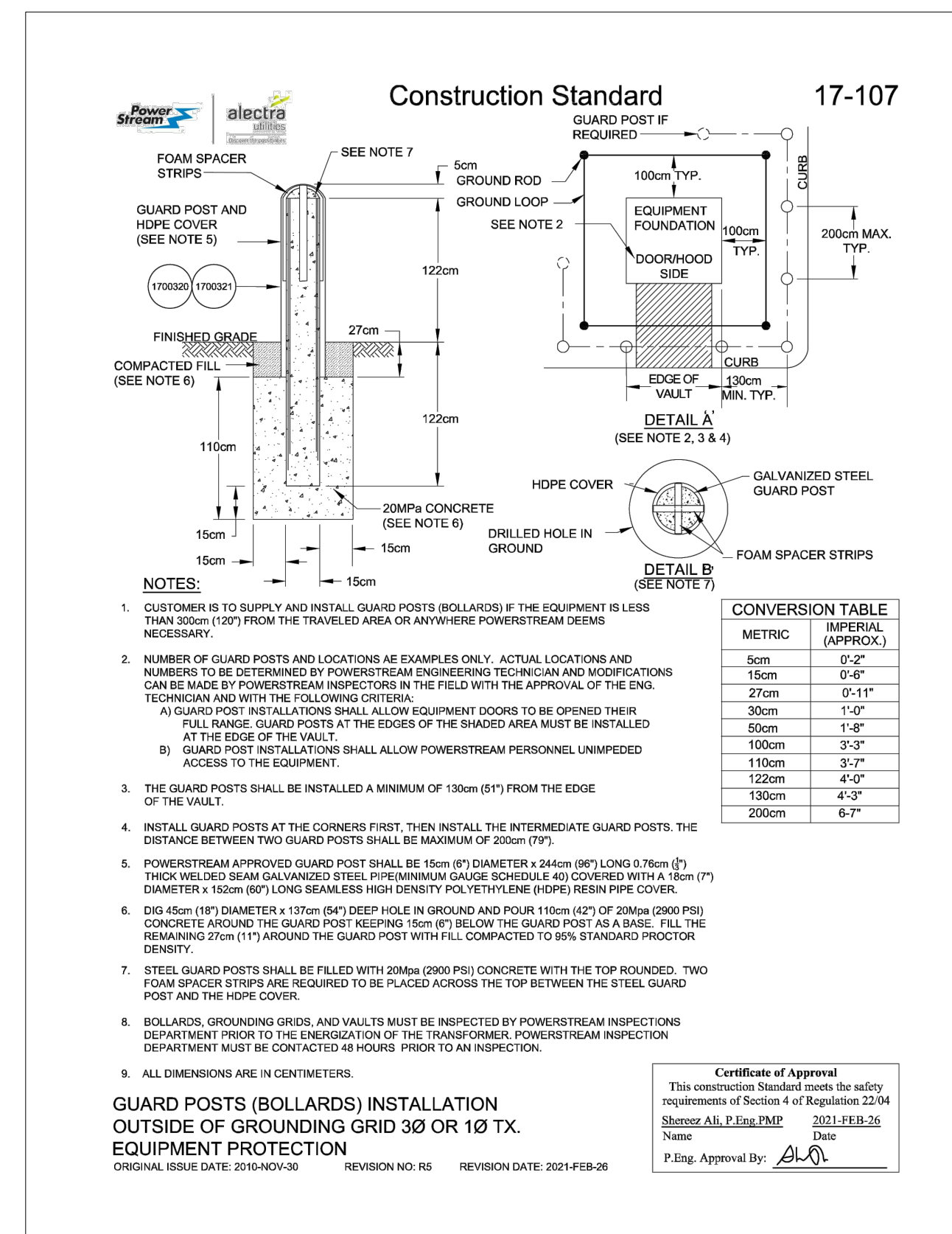
1
E6.1 PADMOUNT, CLEARANCES



2
E6.1 BOLLARDS INSTALLATION



3
E6.1 3-PHASE SERVICE WITH SWITCHGEAR



4
E6.1 BOLLARDS INSTALLATION

ISSUE OR REVISION		
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PROJECT:
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PROFESSIONAL SEAL

21-237

DWG TITLE
HYDRO DETAILS

ORIENTATION

TRUE NORTH CONSTRUCTION NORTH

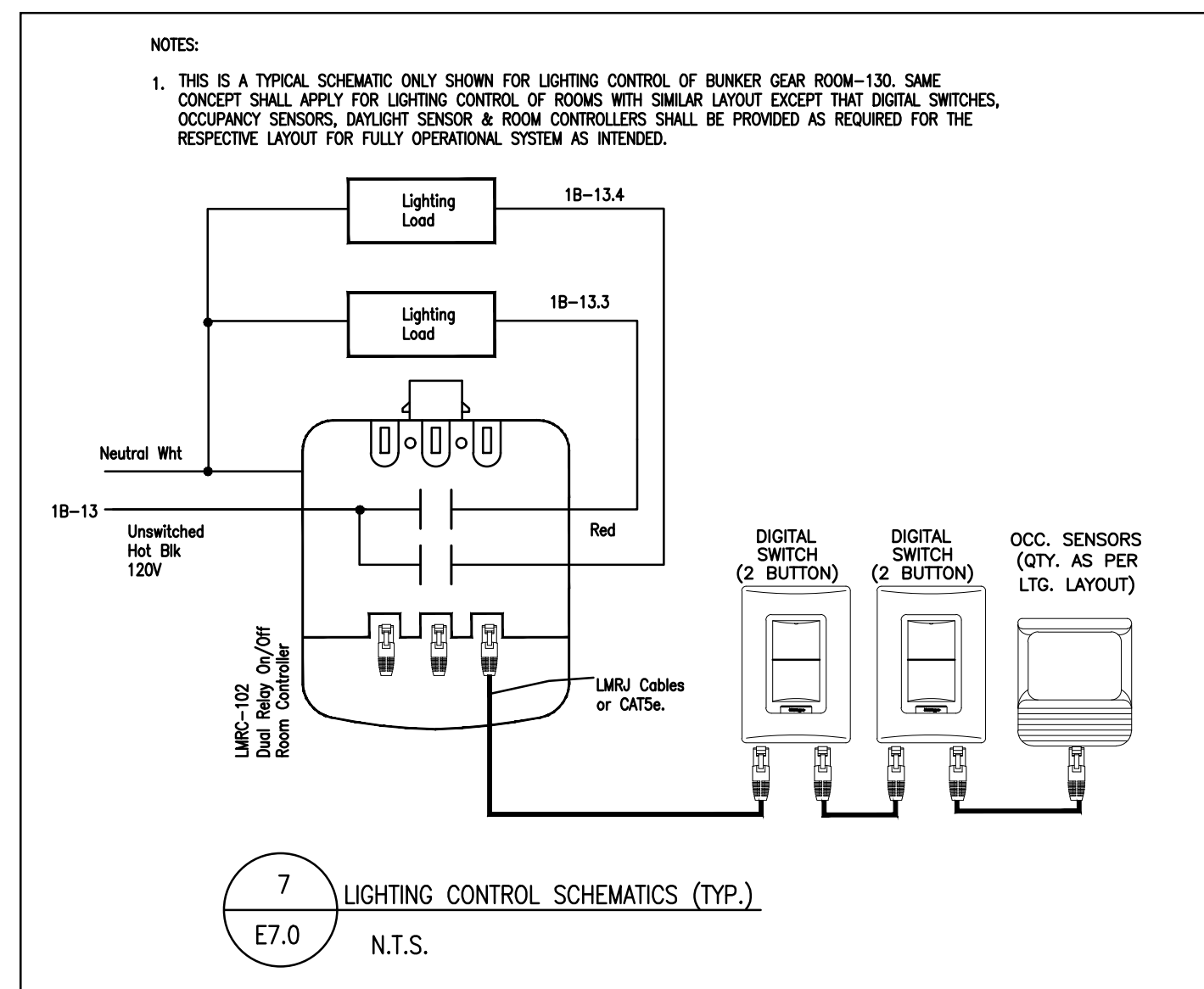
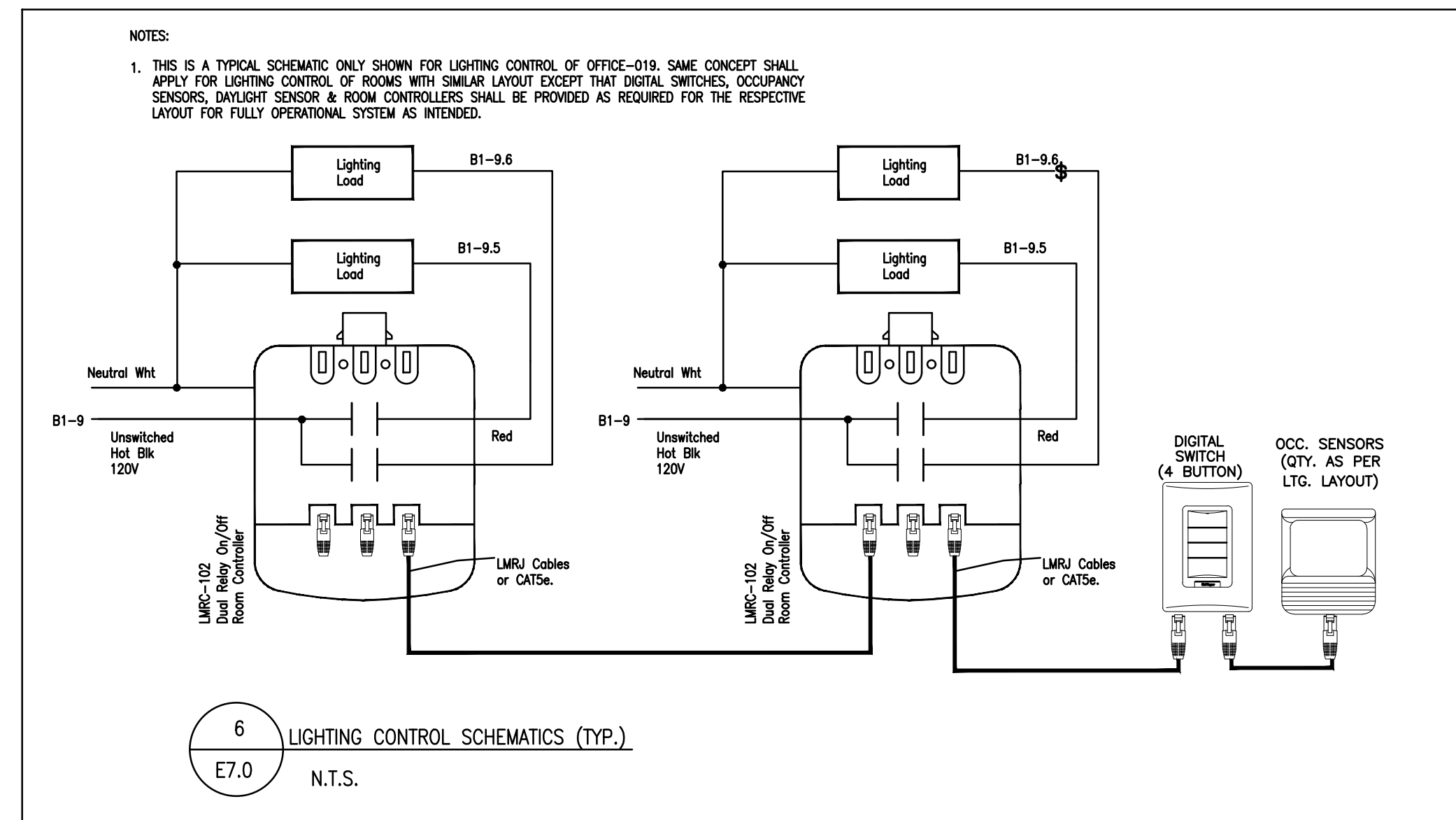
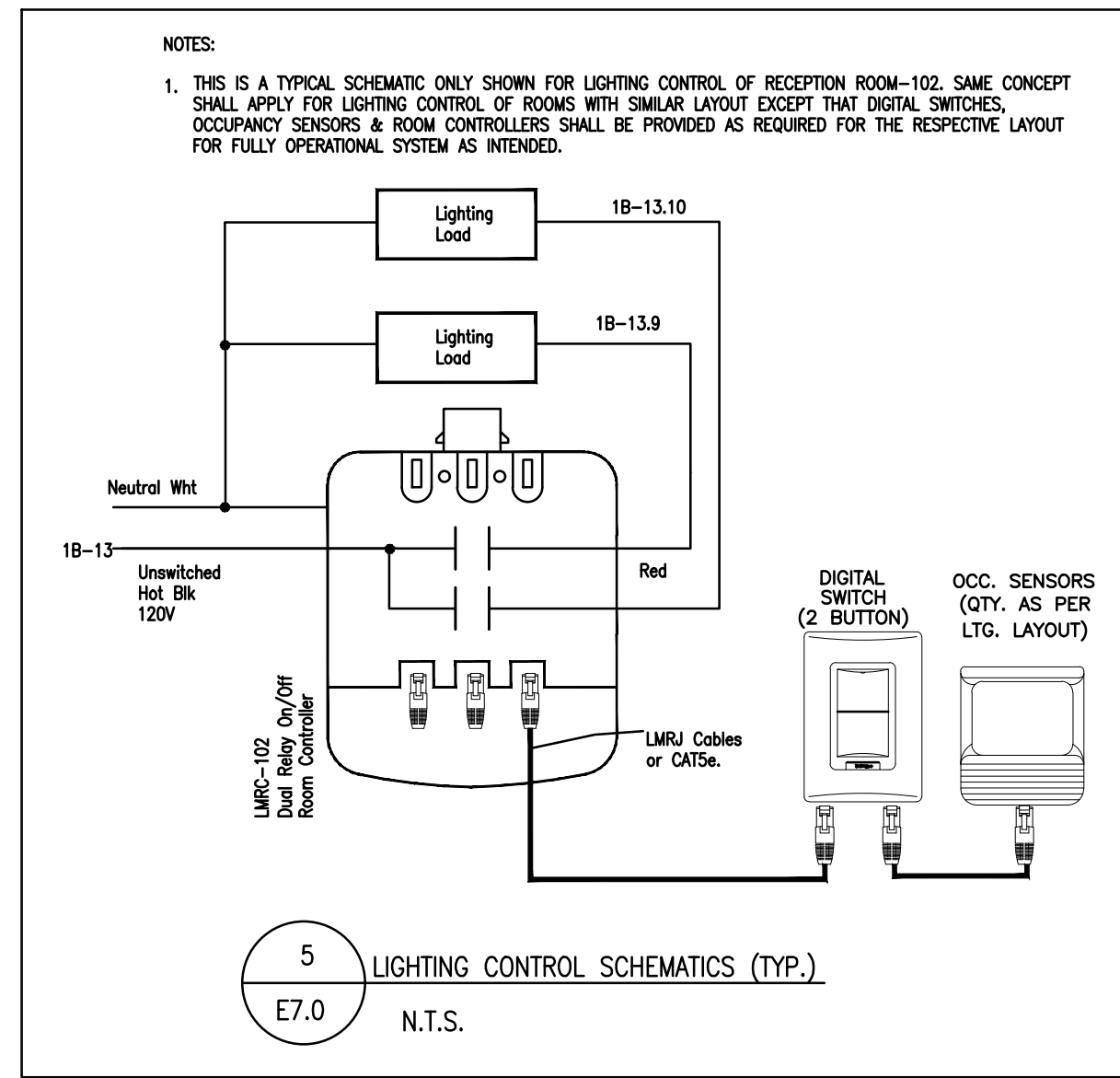
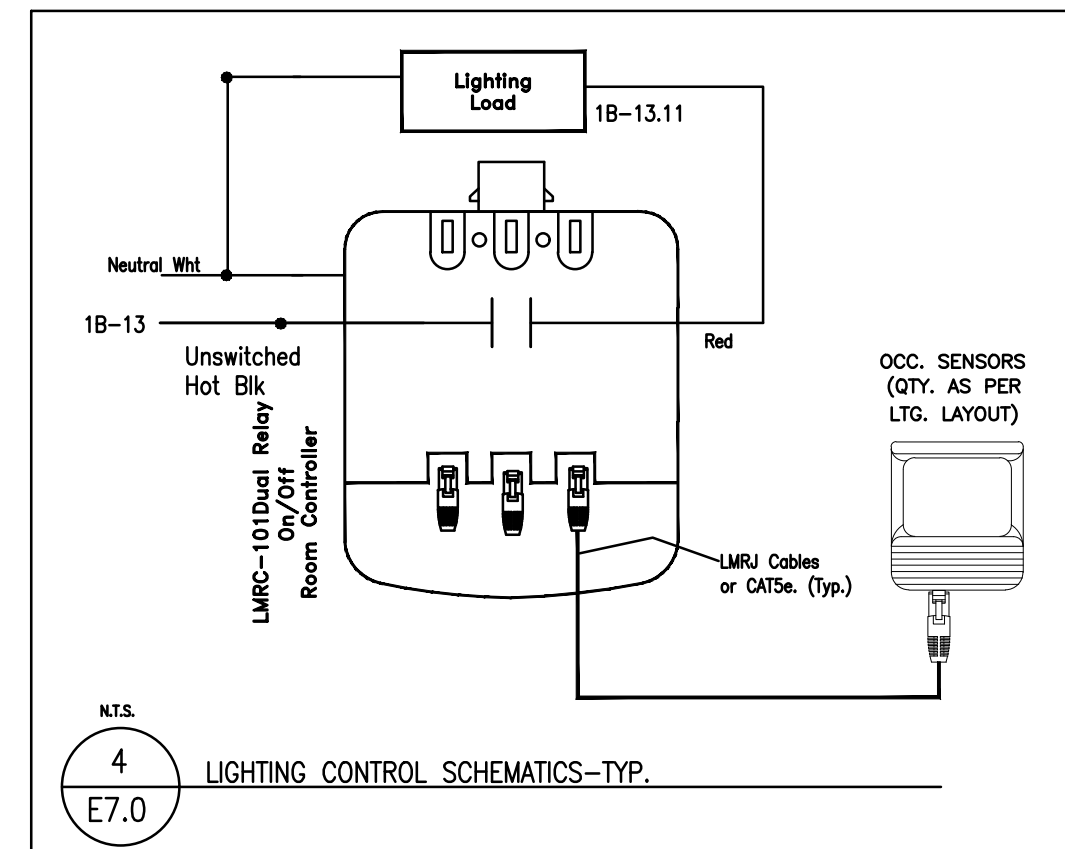
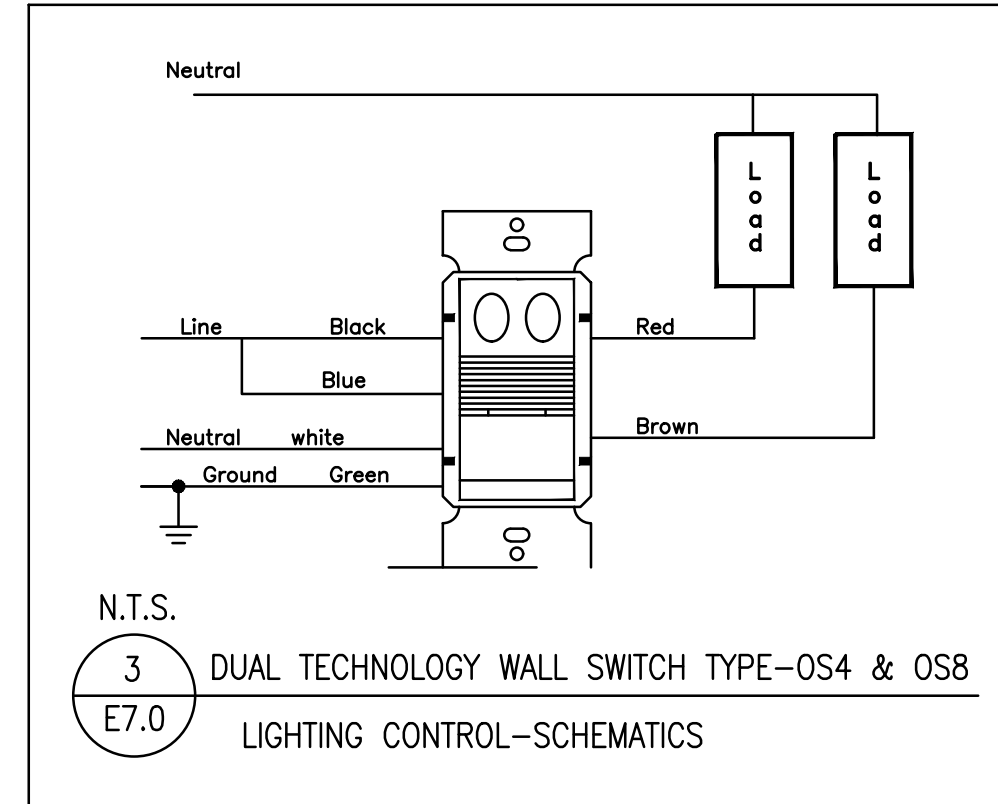
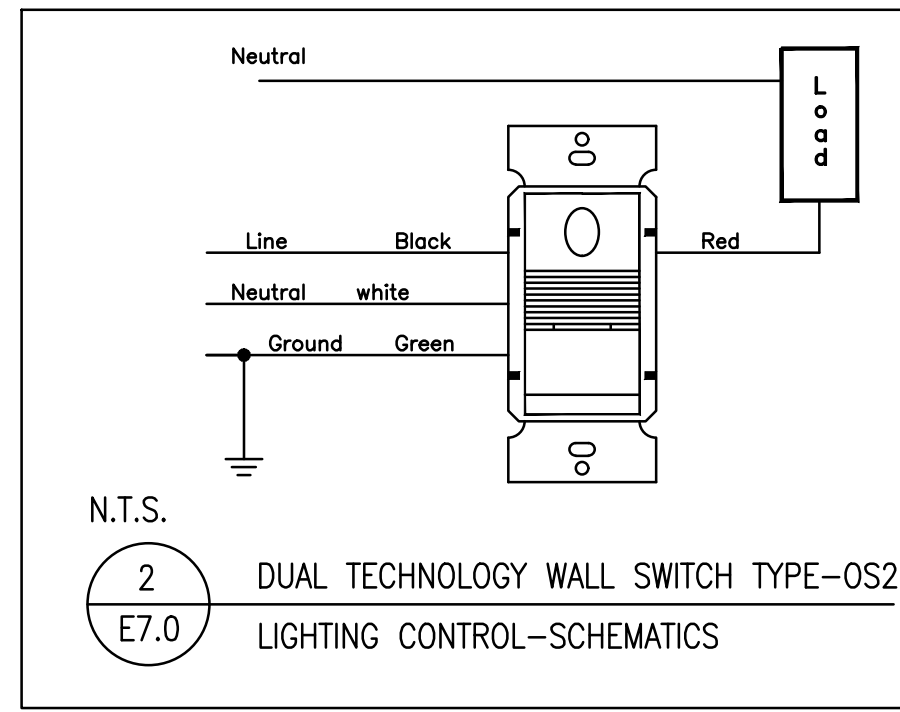
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SCALE: **N.T.S.** DRAWN BY: CV CHECKED BY: RH

DWG STATUS:

PROJECT NO.:

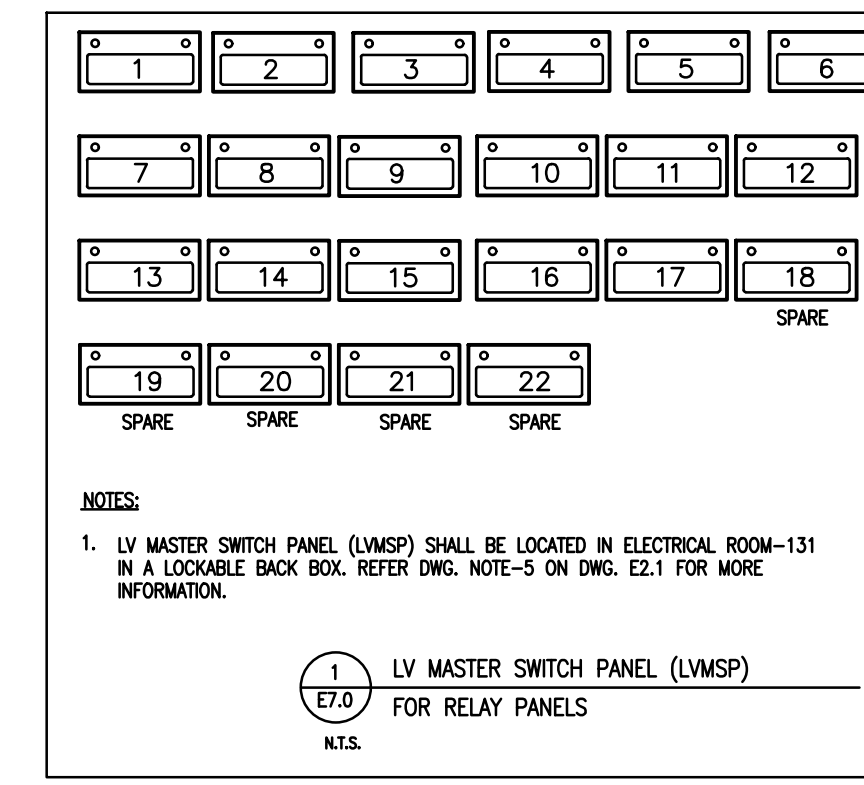
DRAWING NO. **E6.1** REVISION



LIGHTING CONTROL RELAY SCHEDULE

RELAY NUMBER	AREA SERVED	CCT.#	CONTROLLED BY	BUTTON# IN LVMS	RELAY PANEL
R1(2P)	SITE LIGHTING	1B-5/7	BUTTON#1 OF LVMSP+TIMER+PHOTOCELL	1	R1B
R2(2P)	SITE LIGHTING	1B-5/7	BUTTON#2 OF LVMSP+TIMER+PHOTOCELL	2	R1B
R3	EXTERIOR LIGHTING	1B-9	BUTTON#3 OF LVMSP+TIMER+PHOTOCELL	3	R1B
R4	EXTERIOR LIGHTING	1B-9	BUTTON#4 OF LVMSP+TIMER+PHOTOCELL	4	R1B
R5	EXTERIOR LIGHTING	1A-5	BUTTON#5 OF LVMSP+TIMER+PHOTOCELL	4	R1A
R6	EXTERIOR LIGHTING	1A-5	BUTTON#6 OF LVMSP+TIMER+PHOTOCELL	3	R1A
R7	EXTERIOR LIGHTING	1B-9	BUTTON#5 OF LVMSP+TIMER+PHOTOCELL	5	R1B
R8	EXTERIOR LIGHTING	1B-9	BUTTON#6 OF LVMSP+TIMER+PHOTOCELL	6	R1B
R9	CORRIDOR LIGHTING	1B-13	BUTTON#7 OF LVMSP+TIMER	7	R1B
R10	CORRIDOR LIGHTING	1B-13	BUTTON#8 OF LVMSP+TIMER	8	R1B
R11	CORRIDOR LIGHTING	1A-9	BUTTON#7 OF LVMSP+TIMER	7	R1A
R12	CORRIDOR LIGHTING	1A-9	BUTTON#8 OF LVMSP+TIMER	8	R1A
R13	FLOOD LIGHTING-HOSE TOWER	1B-15	BUTTON#9 OF LVMSP+TIMER+PHOTOCELL	9	R1B
R14	FLOOD LIGHTING-HOSE TOWER	1B-15	BUTTON#10 OF LVMSP+TIMER+PHOTOCELL	10	R1B
R15	LIGHTING APPARATUS BAY-128	1A-13	BUTTON#11 OF LVMSP+TIMER	11	R1A
R16	LIGHTING APPARATUS BAY-128	1A-15	BUTTON#12 OF LVMSP+TIMER	12	R1A
R17	NIGHT LIGHTING	1A-7	BUTTON#13 OF LVMSP+TIMER	13	R1A
R18	NIGHT LIGHTING	1B-11	BUTTON#13 OF LVMSP+TIMER	13	R1B
R19	EXTERIOR LIGHTING	1B-9	BUTTON#14 OF LVMSP+TIMER+PHOTOCELL	14	R1B
R20	EXTERIOR LIGHTING	1B-9	BUTTON#15 OF LVMSP+TIMER+PHOTOCELL	15	R1B
R21	NIGHT LIGHTING	1A-7	BUTTON#16 OF LVMSP+TIMER	16	R1A
R22	LIGHTING APPARATUS BAY-128	1A-15	BUTTON#17 OF LVMSP+TIMER	17	R1A
R23	RED LIGHT FIXTURE-FSA SYSTEM	1A-13	FSA (FIRE STATION ALERT SYSTEM)		R1A
SPARE	10 RELAYS IN EACH RELAY PANEL				

NOTES:
1. LVMSP DENOTES LOW VOLTAGE MASTER SWITCH PANEL. REFER DETAIL#1 ON THIS DWG. FOR MORE INFORMATION.
◇ RELAY-R23 SHALL BE PROGRAMMED IN SUCH A WAY THAT IT TURNS 'ON' THE RED LIGHT FIXTURES-L2A UPON RECEIPT OF FSA (FIRE STATION ALERT SYSTEM) SIGNAL AND TURNS-OFF THE LIGHT FIXTURES-L2A AFTER TWO MINUTES. REFER DWG. E2.1 FOR MORE INFORMATION.



ISSUE OR REVISION

NO.	ISSUED FOR	DATE (M.D.Y)
1	DESIGN DEVELOPMENT FOR COSTING	07.07.23
2	ISSUED FOR PERMIT	09.07.23
3	ISSUED FOR REVIEW	02.13.24
4	ISSUED FOR TENDER	04.15.24

PROJECT:
CITY OF VAUGHAN FIRE STATION 7-12
9541 WESTON ROAD, VAUGHAN

CLIENT

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF THE WORK. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT.

MEP

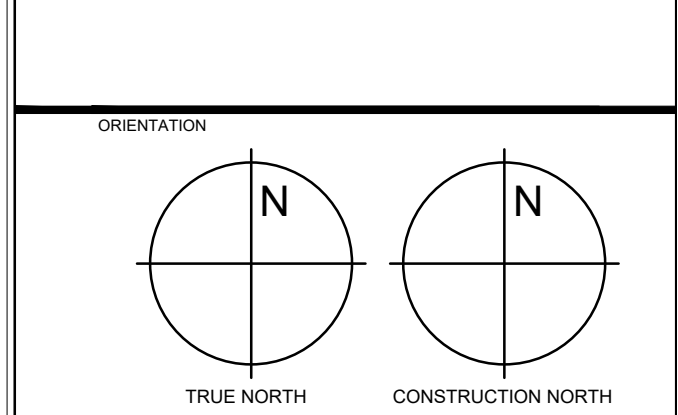
Jain

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MISSISSAUGA, ONTARIO, L5N 6P8
TEL. 905 285 9900, FAX 905 567 5246
Email: mep@jainconsultants.com

PROFESSIONAL SEAL

21-237

DWG TITLE
LIGHTING CONTROL SCHEMATICS



DATE

SCALE: N.T.S. DRAWN BY: CV CHECKED BY: RH

DWG STATUS:

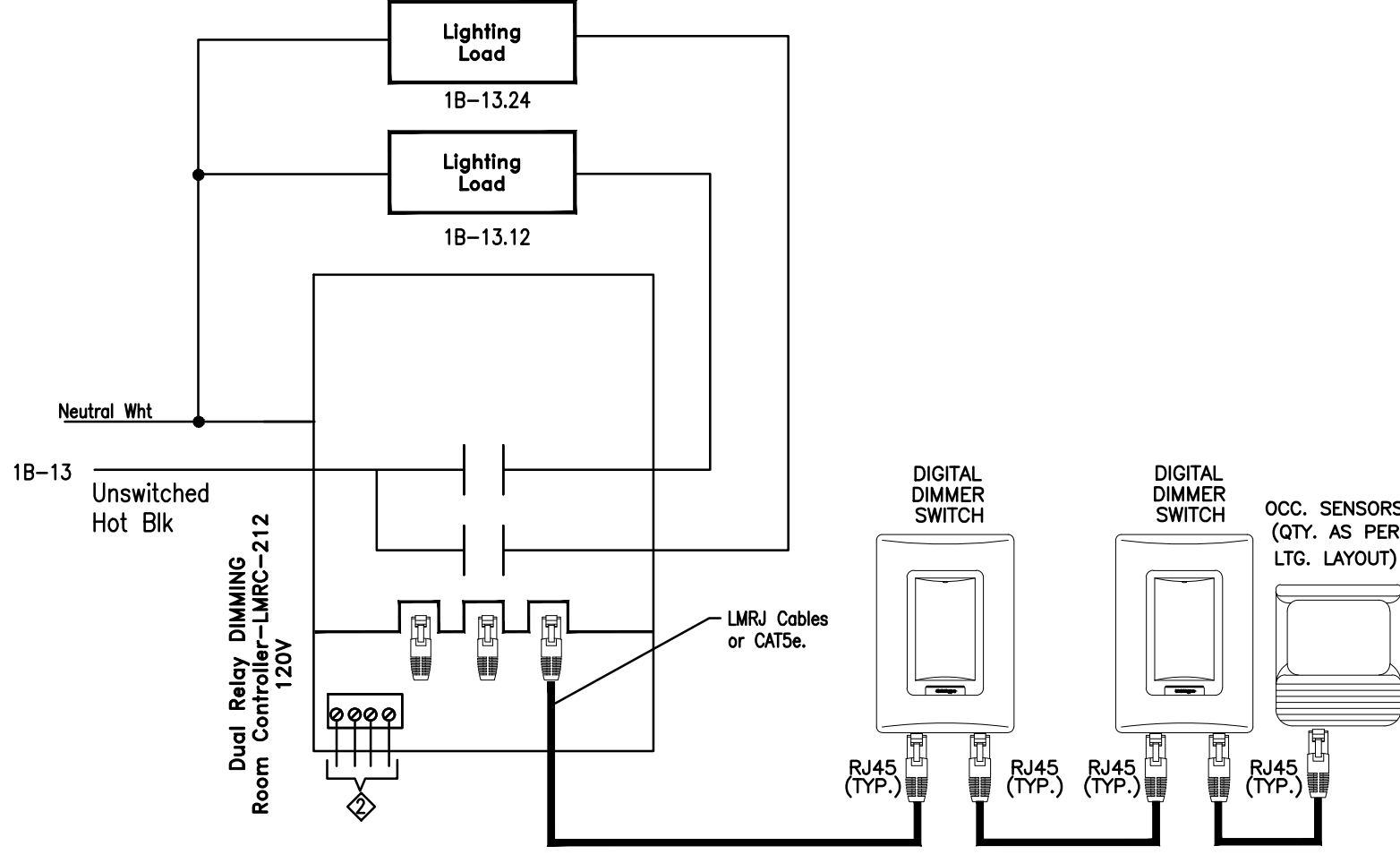
PROJECT No.

DRAWING No. **E7.0** REVISION

DRAWING NOTES:

- THIS IS A TYPICAL SCHEMATIC ONLY FOR CAPTION OFFICE-104. SAME CONCEPT SHALL APPLY FOR LIGHTING CONTROL OF SIMILAR ROOMS/AREAS EXCEPT THAT LV DIMMER SWITCHES, ROOM CONTROLLERS & OCCUPANCY SENSORS ETC. SHALL BE PROVIDED AS REQUIRED AS PER LIGHTING LAYOUT OF THE RESPECTIVE ROOM/AREA.

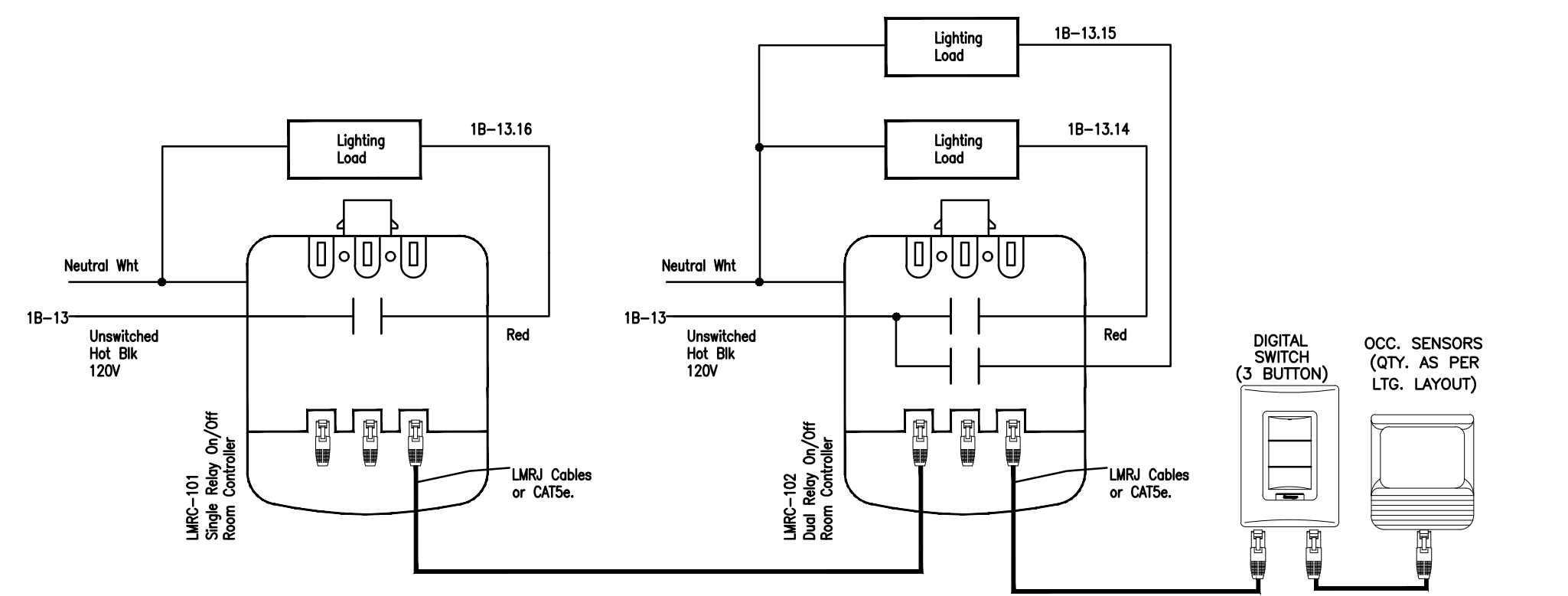
♦ TO BE WIRED TO THE DIMMABLE LIGHT FIXTURES.



1 LIGHTING CONTROL SCHEMATICS (TYP.)
E7.1 N.T.S.

NOTES:

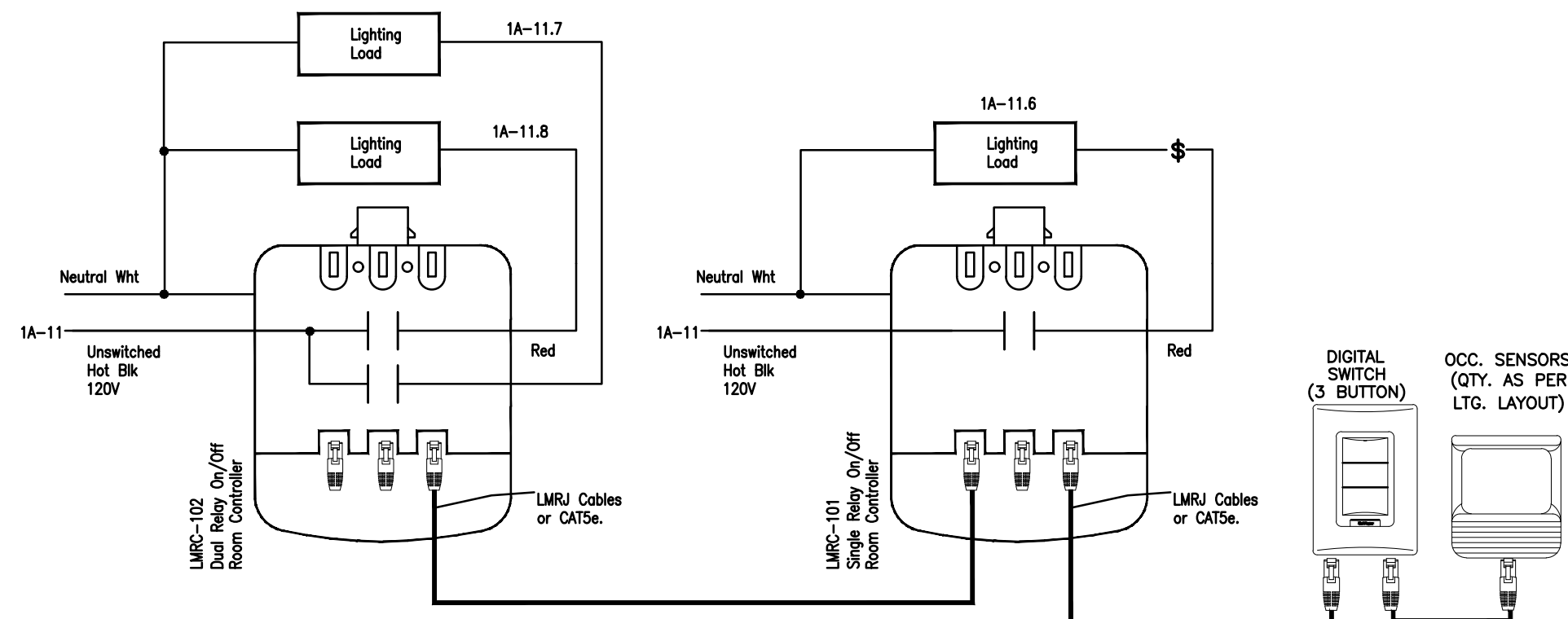
- THIS IS A TYPICAL SCHEMATIC ONLY SHOWN FOR LIGHTING CONTROL OF TRAINING ROOM-105. SAME CONCEPT SHALL APPLY FOR LIGHTING CONTROL OF ROOMS WITH SIMILAR LAYOUT EXCEPT THAT DIGITAL SWITCHES, OCCUPANCY SENSORS & ROOM CONTROLLERS SHALL BE PROVIDED AS REQUIRED FOR THE RESPECTIVE LAYOUT FOR FULLY OPERATIONAL SYSTEM AS INTENDED.



2 LIGHTING CONTROL SCHEMATICS (TYP.)
E7.1 N.T.S.

NOTES:

- THIS IS A TYPICAL SCHEMATIC ONLY SHOWN FOR LIGHTING CONTROL OF KITCHEN AREA-119. SAME CONCEPT SHALL APPLY FOR LIGHTING CONTROL OF ROOMS WITH SIMILAR LAYOUT EXCEPT THAT DIGITAL SWITCHES, OCCUPANCY SENSORS, DAYLIGHT SENSOR & ROOM CONTROLLERS SHALL BE PROVIDED AS REQUIRED FOR THE RESPECTIVE LAYOUT FOR FULLY OPERATIONAL SYSTEM AS INTENDED.



3 LIGHTING CONTROL SCHEMATICS (TYP.)
E7.1 N.T.S.

ISSUE OR REVISION		
NO.	ISSUED FOR	DATE (M.D.Y)
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2	ISSUED FOR PERMIT	09.07.23
3	ISSUED FOR REVIEW	02.13.24
4	ISSUED FOR TENDER	04.15.24

**CITY OF VAUGHAN FIRE
STATION 7-12**

9541 WESTON ROAD, VAUGHAN

CLIENT

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF THE WORK. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT.

MEP

Jain

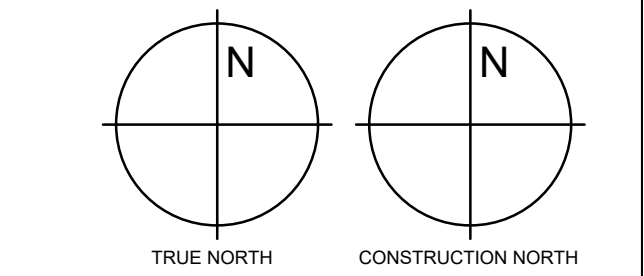
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PROFESSIONAL SEAL

21-237

DWG TITLE

LIGHTING CONTROL SCHEMATICS (CONTD.)



DATE		
SCALE	N.T.S.	DRAWN BY CV
DWG STATUS:		CHECKED BY RH
PROJECT NO.		
DRAWING NO.	E7.1	REVISION

ISSUE OR REVISION		
NO.	ISSUED FOR	DATE (M.D.Y.)
1	DESIGN DEVELOPMENT FOR COSTING	07.07.23
2	ISSUED FOR PERMIT	09.07.23
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CITY OF VAUGHAN FIRE STATION 7-12
 PROJECT:
 CLIENT:
 9541 WESTON ROAD, VAUGHAN

GENERAL NOTES:

- THIS DIGITAL METERING SYSTEM IS A STANDALONE SYSTEM REQUIRED BY ASHRAE 90.1 2013 PER BUILDING CODE TO MONITORING BUILDING ENERGY CONSUMPTION PURPOSE ONLY FOR BELOW SYSTEMS:
 - a. TOTAL ELECTRICAL ENERGY
 - b. HVAC SYSTEMS
 - c. INTERIOR LIGHTING
 - d. EXTERIOR LIGHTING
 - e. RECEPTACLE CIRCUITS
 THE ELECTRICAL ENERGY USAGE FOR ALL LOADS LISTED ABOVE SHALL BE RECORDED A MINIMUM OF EVERY 15 MINUTES AND REPORTED AT LEAST HOURLY, DAILY, MONTHLY, AND ANNUALLY. THE SYSTEM SHALL BE CAPABLE OF MAINTAINING ALL DATA COLLECTED FOR A MINIMUM OF 36 MONTHS.
- THIS SCHEMATIC DRAWING IS FOR REFERENCE PURPOSE ONLY. REFER TO ELECTRICAL SPECIFICATION AND SUPPLIER'S SHOP DRAWING FOR INSTALLATION INSTRUCTION FOR MORE DETAILED REQUIREMENT. THE SYSTEM SHALL INCLUDE BUT NOT LIMITED TO: ENERGY MONITORING PANEL, ALL CTs, PTs, CABLING, METER INTERFACE DEVICES AT EACH PANEL AND ITS ENCLOSURE, JUNCTION BOXES, PATHWAY CONDUITS, BREAKERS FOR ALL METERING SYSTEM DEVICES AND EQUIPMENT, GROUNDING AND BONDING, ETC. CO-ORDINATE WITH SYSTEM SUPPLIER FOR WIRING SIZES AND MORE INFORMATION & PROCESSED ACCORDINGLY. ALL WIRING SHALL BE PROVIDED IN CONDUITS.
- FOR PANELS SERVING HEATING & VENTILATION, LIGHTING AND RECEPTABLES, RUN ALL LIGHTING FEEDERS IN ONE PANEL THROUGH THREE CTs TO MEASURE INTERIOR LIGHTING LOADS, THREE CTs TO MEASURE EXTERIOR LIGHTING LOADS, THREE CTs TO MEASURE HEATING & VENTILATION LOADS, AND THREE CTs TO MEASURE RECEPTACLE LOADS.
 - ◇ PROVIDE PROVO FT4-2263 STRANDED (600V) OR EQUIVALENT
 - ◇ METER INTERFACE DEVICE SHALL BE LOCATED WITHIN 10' FROM THE RESPECTIVE CTs.
 - ◇ PROVIDE 6#14AWG STRANDED COLOUR WIRE TYPICALLY LESS THAN 10'. ALL EXTENSIONS TO BE MADE WITH CRIMPS, NO MARRETTES.
 - ◇ PROVIDE PROVO FT4-2263 STRANDED (600V) OR EQUIVALENT TO EMP-1 (UPTO 1000').
 - ◇ PROVIDE PROVO FT4-2263 STRANDED (600V) OR EQUIVALENT TO EMP-2 (UPTO 1000').
 - ◇ RESERVED.

10. ALSO PROVIDE CT'S FOR MEASUREMENT/VERIFICATION OF TOTAL ELECTRICAL ENERGY OF THE PROJECT.

◇ RESERVED.

◇ PROVIDE CT'S FOR MEASUREMENT/VERIFICATION OF POWER FOR INTERIOR LIGHTING.

◇ PROVIDE CT'S FOR MEASUREMENT/VERIFICATION OF POWER FOR EXTERIOR LIGHTING.

◇ PROVIDE CT'S FOR MEASUREMENT/VERIFICATION OF POWER FOR RECEPTABLES LOAD.

◇ PROVIDE DEDICATED CT'S FOR MEASUREMENT/VERIFICATION OF POWER INDIVIDUALLY (SEPARATELY) FOR FOLLOWING HVAC EQUIPMENTS:
 ALL ELECTRIC HEATING (CLUBBED TOGETHER)
 ALL EXHAUST FANS (CLUBBED TOGETHER)
 ALL AIR CONDITIONING EQUIPMENTS/DEVICES (CONDENSING UNITS & FAN COILS)-CLUBBED TOGETHER
 ALL PUMPS (CLUBBED TOGETHER)

◇ PROVIDE CT'S FOR MEASUREMENT/VERIFICATION OF POWER FOR HEAT PUMPS

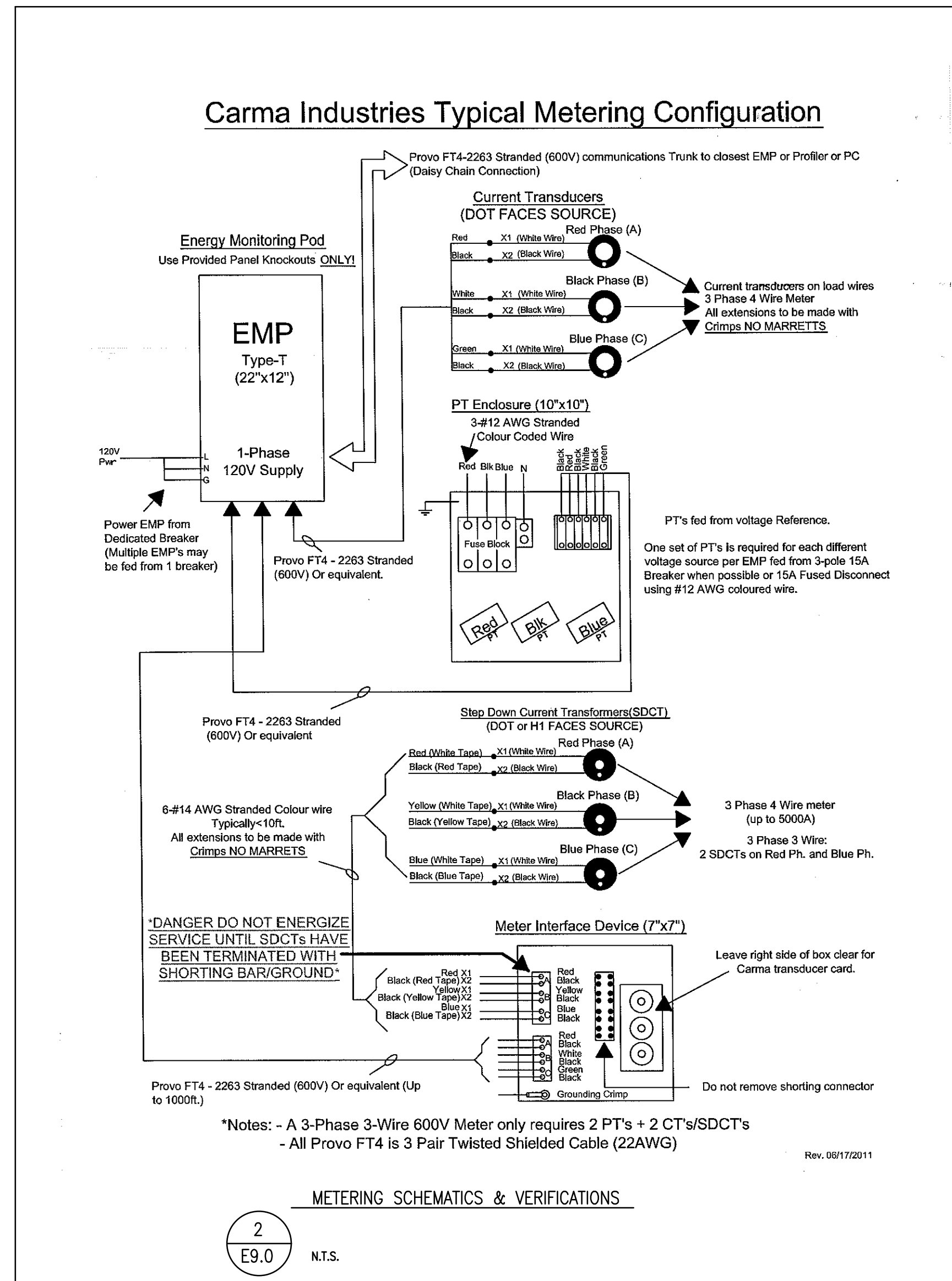
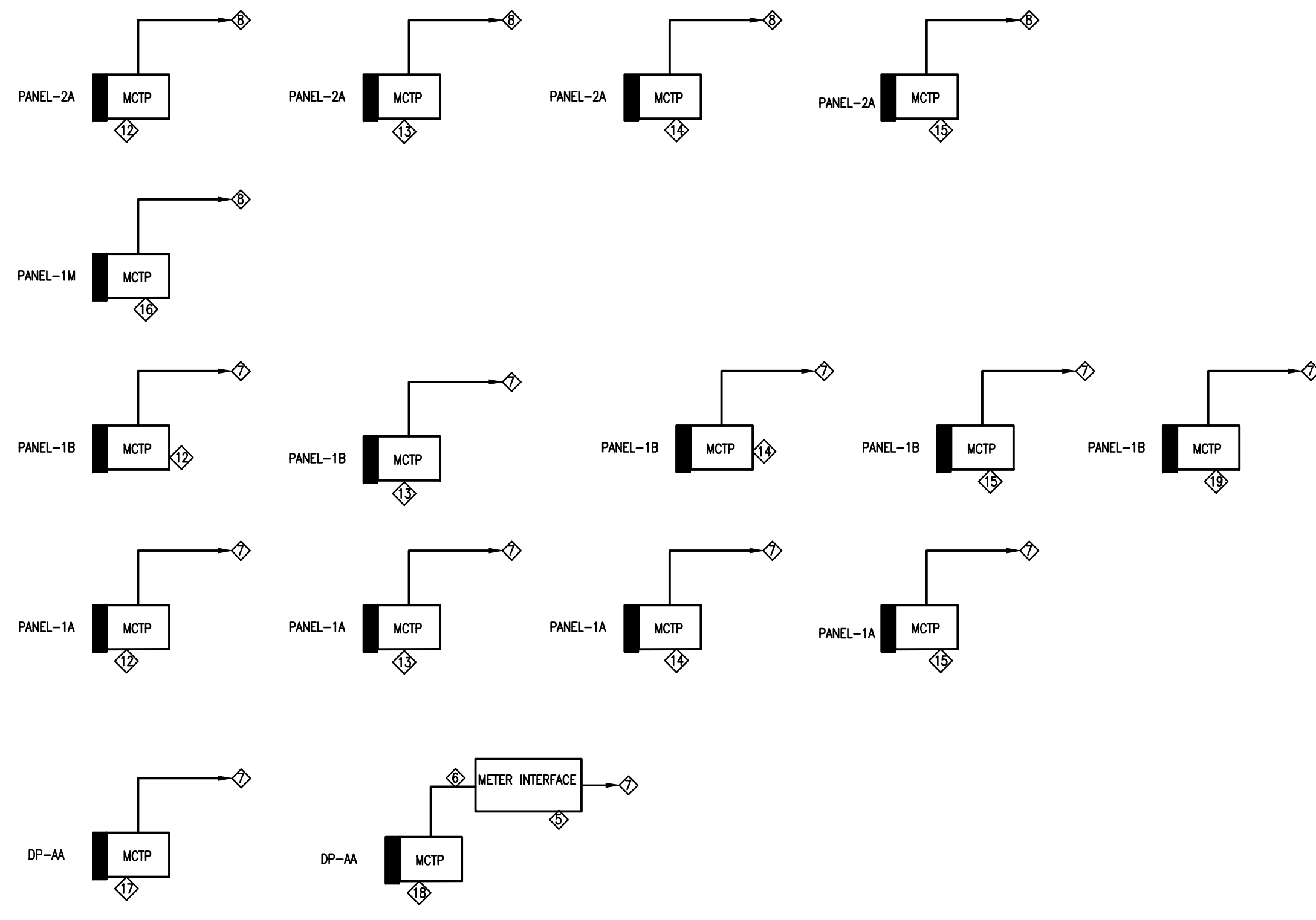
◇ PROVIDE DEDICATED CT'S FOR MEASUREMENT/VERIFICATION OF POWER INDIVIDUALLY (SEPARATELY) FOR FOLLOWING EQUIPMENTS:
 HRU-1.
 UH-1 & UH-2 (BOTH CLUBBED TOGETHER)

GENERAL NOTES (CONTD.):

- ◇ FOR CUSTOMER OWNED DIGITAL METER (LOCATED IN SWITCHBOARD ITSELF) FOR MEASUREMENT OF TOTAL POWER OF THE PROJECT.
- ◇ PROVIDE DEDICATED CT'S FOR MEASUREMENT/VERIFICATION OF POWER INDIVIDUALLY (SEPARATELY) FOR FOLLOWING EQUIPMENTS:
 DOMESTIC HOT WATER PUMP (DHW-1)
 RE-CIRCULATING PUMP (DHW-1)

LEGEND:

MCTP DIGITAL METERING CT ENCLOSURE (3 CTs), LOCATED BESIDE EACH POWER PANEL AS SHOWN. '1' DENOTES JUNCTION BOX TO ACCOMMODATE THREE CTs FOR LIGHTING OR HVAC LOADS BRANCH FEEDERS RUN THOUGH CTs. SIZE TO SUIT ALL CTs AND BRANCHES RUN THROUGH.



1 DIGITAL METERING SYSTEM SCHEMATIC DIAGRAM
E9.0 N.T.S.

2 METERING SCHEMATICS & VERIFICATIONS
E9.0 N.T.S.

CLIENT

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PROFESSIONAL SEAL

21-237

DWG TITLE

DIGITAL METERING SYSTEM

ORIENTATION

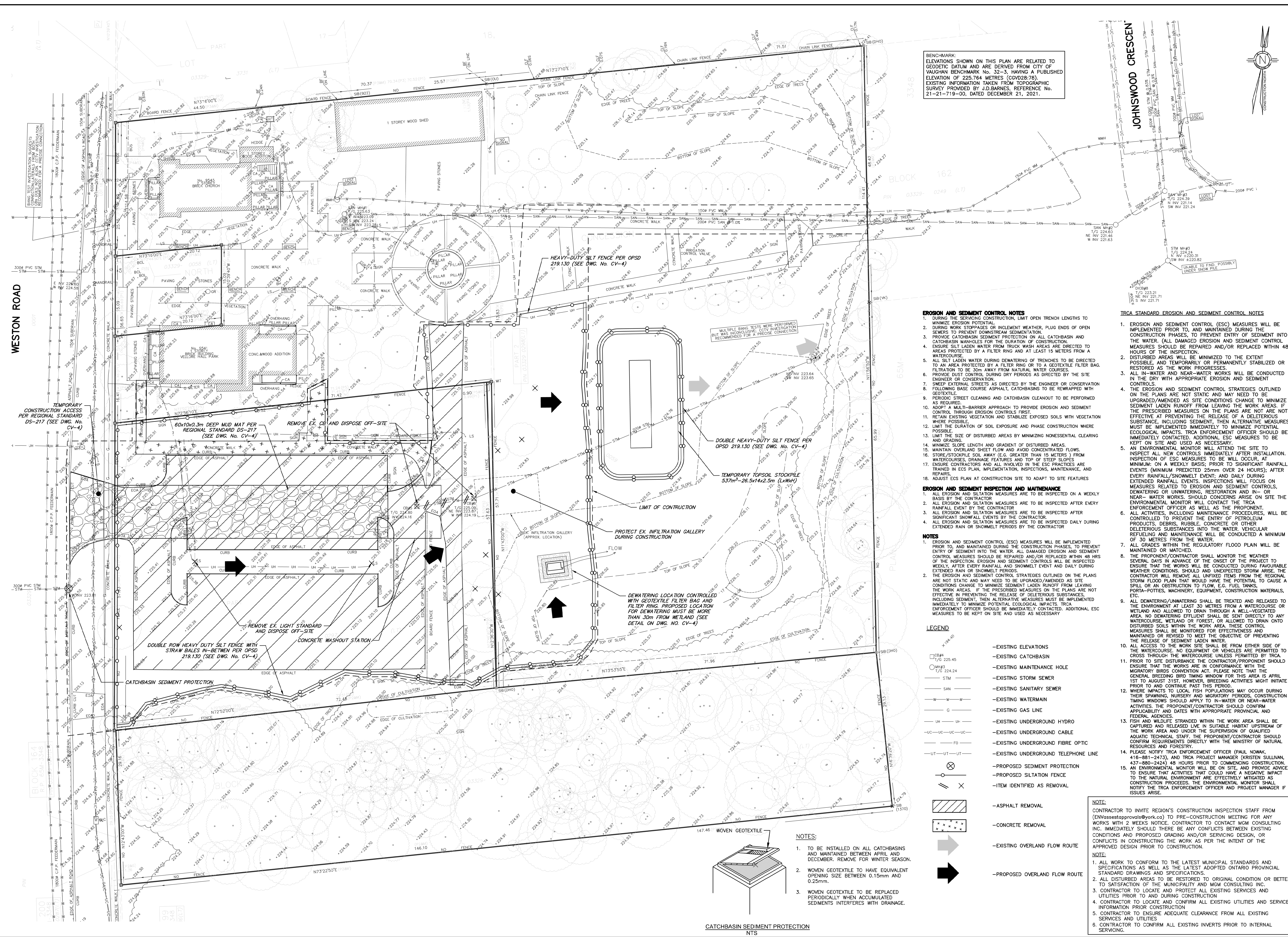
DATE

SCALE: N.T.S. DRAWN BY: CV CHECKED BY: RH

DWG STATUS:

PROJECT No.

DRAWING No. **E9.0** REVISION



BENCHMARK:
ELEVATIONS SHOWN ON THIS PLAN ARE RELATED TO GEODETIC DATUM AND ARE DERIVED FROM CITY OF VAUGHAN BENCHMARK No. 32-3, HAVING A PUBLISHED ELEVATION OF 225.764 METRES (CSD28-78). EXISTING INFORMATION TAKEN FROM TOPOGRAPHIC SURVEY PROVIDED BY J.D.BARNES, REFERENCE No. 21-21-719-00, DATED DECEMBER 21, 2021.

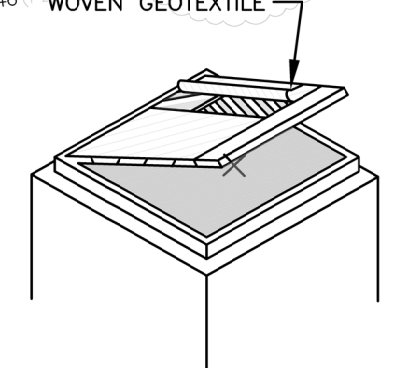
- EROSION AND SEDIMENT CONTROL NOTES**
- DURING WORK STOPPAGES OR INCLEMENT WEATHER, PLUG ENDS OF OPEN SEWERS TO PREVENT DOWNSTREAM SEDIMENTATION.
 - PROVIDE CATCHBASIN SEDIMENT PROTECTION ON ALL CATCHBASIN AND CATCHBASIN MANHOLES FOR THE DURATION OF CONSTRUCTION.
 - ENSURE SILT LADEN WATER FROM TRUCK WASH AREAS ARE DIRECTED TO AREAS PROTECTED BY A FILTER RING AND AT LEAST 15 METERS FROM A WATERCOURSE.
 - ALL SILT LADEN WATER DURING DEWATERING OF TRENCHES TO BE DIRECTED TO AN AREA PROTECTED BY A FILTER RING OR TO A GEOTEXTILE FILTER BAG. FILTRATION TO BE 30m AWAY FROM NATURAL WATER COURSES.
 - PROVIDE DUST CONTROL DURING DRY PERIODS AS DIRECTED BY THE SITE ENGINEER OR CONSERVATION.
 - SWEEP EXTERNAL STREETS AS DIRECTED BY THE ENGINEER OR CONSERVATION.
 - FOLLOWING BASIC COURSE ASPHALT, CATCHBASINS TO BE REWRAPPED WITH GEOTEXTILE.
 - PERIODIC STREET CLEANING AND CATCHBASIN CLEANOUT TO BE PERFORMED AS REQUIRED.
 - ADOPT A MULTI-BARRIER APPROACH TO PROVIDE EROSION AND SEDIMENT CONTROL THROUGH EROSION CONTROLS FIRST.
 - RETAIN EXISTING VEGETATION AND STABILIZE EXPOSED SOILS WITH VEGETATION WHERE POSSIBLE.
 - LIMIT THE DURATION OF SOIL EXPOSURE AND PHASE CONSTRUCTION WHERE POSSIBLE.
 - LIMIT THE SIZE OF DISTURBED AREAS BY MINIMIZING NONESSENTIAL CLEARING AND GRADING.
 - MINIMIZE SLOPE LENGTH AND GRADIENT OF DISTURBED AREAS.
 - MAINTAIN OVERLAND SHEET FLOW AND AVOID CONTAMINATED FLOWS. 16. STORE/STOCKPILE SOIL AWAY FROM (AND AT LEAST 15 METERS) FROM WATERCOURSES, DRAINAGE FEATURES AND TOP OF STEEP SLOPES.
 - ENSURE CONTRACTORS AND ALL INVOLVED IN THE ESC PRACTICES ARE TRAINED IN ESC PLAN, IMPLEMENTATION, INSPECTIONS, MAINTENANCE, AND REPAIRS.
 - ADJUST ESC PLAN AT CONSTRUCTION SITE TO ADAPT TO SITE FEATURES.

- TRCA STANDARD EROSION AND SEDIMENT CONTROL NOTES**
- EROSION AND SEDIMENT CONTROL (ESC) MEASURES WILL BE IMPLEMENTED PRIOR TO, AND MAINTAINED DURING THE CONSTRUCTION PHASES, TO PREVENT ENTRY OF SEDIMENT INTO THE WATER. (ALL DAMAGED EROSION AND SEDIMENT CONTROL MEASURES SHOULD BE REPAIRED AND/OR REPLACED WITHIN 48 HOURS OF THE INSPECTION).
 - ALL ESC MEASURES WILL BE MINIMIZED TO THE EXTENT POSSIBLE, AND TEMPORARILY OR PERMANENTLY STABILIZED OR RESTORED AS THE WORK PROGRESSES.
 - ALL IN-WATER AND NEAR-WATER WORKS WILL BE CONDUCTED IN THE DRY WITH APPROPRIATE EROSION AND SEDIMENT CONTROLS.
 - THE EROSION AND SEDIMENT CONTROL STRATEGIES OUTLINED ON THE PLANS ARE NOT STATIC AND WILL NEED TO BE UPGRADED/AMENDED AS SITE CONDITIONS CHANGE TO MINIMIZE SEDIMENT LADEN RUNOFF FROM LEAVING THE WORK AREAS. IF THE PRESCRIBED MEASURES ON THE PLANS ARE NOT EFFECTIVE AT PREVENTING THE RELEASE OF A DELETERIOUS SUBSTANCE, INCLUDING SEDIMENT, THEN ALTERNATIVE MEASURES MUST BE IMPLEMENTED IMMEDIATELY TO MINIMIZE POTENTIAL ECOLOGICAL IMPACTS. TRCA ENFORCEMENT OFFICER SHOULD BE IMMEDIATELY CONTACTED. ADDITIONAL ESC MEASURES TO BE KEPT ON SITE AND USED AS NECESSARY.
 - AN ENVIRONMENTAL MONITOR WILL ATTEND THE SITE TO INSPECT ALL NEW CONTROLS IMMEDIATELY AFTER INSTALLATION. INSPECTION OF ESC MEASURES TO BE WILL OCCUR AT MINIMUM ON A WEEKLY BASIS. PRIOR TO SIGNIFICANT RAINFALL EVENTS (MINIMUM PREDICTED 25mm OVER 24 HOURS); AFTER EVERY RAINFALL/SNOWMELT EVENT; AND DAILY DURING EXTENDED RAINFALL EVENTS. INSPECTIONS WILL FOCUS ON MEASURES RELATED TO EROSION AND SEDIMENT CONTROLS, DEWATERING OR UNWATERING, RESTORATION AND IN-OR NEAR-WATER WORKS. SHOULD CONCERNS ARISE ON SITE THE ENVIRONMENTAL MONITOR WILL CONTACT THE TRCA ENFORCEMENT OFFICER AS WELL AS THE PROPONENT.
 - ALL ACTIVITIES, INCLUDING MAINTENANCE PROCEDURES, WILL BE CONTROLLED TO PREVENT THE ENTRY OF PETROLEUM PRODUCTS, RUBBER, CONCRETE OR OTHER DELETERIOUS SUBSTANCES INTO THE WATER. VEHICULAR REFUELLING AND MAINTENANCE WILL BE CONDUCTED A MINIMUM OF 30 METRES FROM THE WATER.
 - ALL GRASSES WITHIN THE REGULATORY FLOOD PLAN WILL BE MAINTAINED OR MATCHED.
 - THE PROPONENT/CONTRACTOR SHALL MONITOR THE WEATHER SEVERAL DAYS IN ADVANCE OF THE ONSET OF THE PROJECT TO ENSURE THAT THE WORKS WILL BE CONDUCTED DURING FAVOURABLE WEATHER CONDITIONS. SHOULD AN UNEXPECTED STORM ARISE, THE CONTRACTOR WILL REMOVE ALL UNFINISHED ITEMS FROM THE PROJECT. A STORM FLOOD PLAN THAT WOULD HAVE THE POTENTIAL TO CAUSE A SPILL OR AN OBSTRUCTION TO FLOW (E.G. FUEL TANKS, PORTABLE TOILETS, MACHINERY, EQUIPMENT, CONSTRUCTION MATERIALS, ETC.).
 - ALL DEWATERING/UNWATERING SHALL BE TREATED AND RELEASED TO THE ENVIRONMENT AT LEAST 30 METRES FROM A WATERCOURSE OR WETLAND AND ALLOWED TO DRAIN THROUGH A WELL-VEGETATED AREA. NO DEWATERING EFFLUENT SHALL BE SENT DIRECTLY TO ANY WATERCOURSE, WETLAND OR FOREST, OR ALLOWED TO DRAIN ONTO DISTURBED SOILS WITHIN THE WORK AREA. THESE CONTROL MEASURES SHALL BE MONITORED FOR EFFECTIVENESS AND MAINTAINED OR REVISED TO MEET THE OBJECTIVE OF PREVENTING THE RELEASE OF SEDIMENT LADEN WATER.
 - ALL ACCESS TO THE WORK SITE SHALL BE FROM EITHER SIDE OF THE WATERCOURSE. NO EQUIPMENT OR VEHICLES ARE PERMITTED TO CROSS THROUGH THE WATERCOURSE UNLESS PERMITTED BY TRCA. PRIOR TO SITE DISTURBANCE THE CONTRACTOR/PROponent SHOULD ENSURE THAT THE WORKS ARE IN CONFORMANCE WITH THE MIGRATORY BIRDS CONVENTION ACT. PLEASE NOTE THAT THE GENERAL BREEDING BIRD TIMING WINDOW FOR THIS AREA IS APRIL 1ST TO AUGUST 31ST. HOWEVER, BREEDING ACTIVITIES MIGHT INITIATE PRIOR TO AND CONTINUE PAST THIS PERIOD.
 - WHERE IMPACTS TO LOCAL FISH POPULATIONS MAY OCCUR DURING THEIR SPAWNING, NURSERY AND MIGRATORY PERIODS, CONSTRUCTION TIMING WINDOWS SHOULD APPLY TO IN-WATER OR NEAR-WATER ACTIVITIES. THE PROPONENT/CONTRACTOR SHOULD CONFIRM APPLICABILITY AND DATES WITH APPROPRIATE PROVINCIAL AND FEDERAL AGENCIES.
 - FISH AND WILDLIFE STRANDED WITHIN THE WORK AREA SHALL BE CAPTURED AND RELEASED LIVE IN SUITABLE HABITAT UPSTREAM OF THE WORK AREA AND UNDER THE SUPERVISION OF QUALIFIED AQUATIC TECHNICAL STAFF. THE PROPONENT/CONTRACTOR SHOULD CONFIRM REQUIREMENTS DIRECTLY WITH THE MINISTRY OF NATURAL RESOURCES AND FORESTRY.
 - PLEASE NOTIFY TRCA ENFORCEMENT OFFICER (PAUL NOWAK, 416-881-2473), AND TRCA PROJECT MANAGER (KRISTEN SULLIVAN, 437-880-2424) 48 HOURS PRIOR TO COMMENCING CONSTRUCTION. AN ENVIRONMENTAL MONITOR WILL BE ON SITE, AND PROVIDE ADVICE, TO ENSURE THAT ACTIVITIES THAT COULD HAVE A NEGATIVE IMPACT TO THE NATURAL ENVIRONMENT ARE EFFECTIVELY MITIGATED AS CONSTRUCTION PROCEEDS. THE ENVIRONMENTAL MONITOR SHALL NOTIFY THE TRCA ENFORCEMENT OFFICER AND PROJECT MANAGER IF ISSUES ARISE.

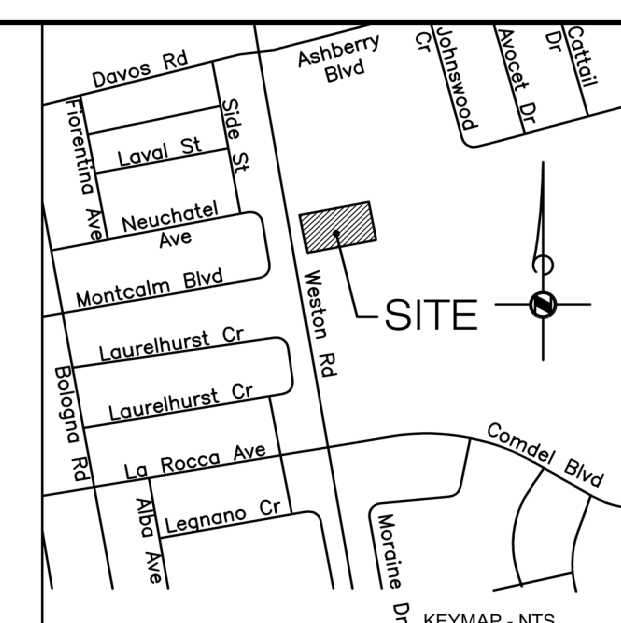
- EROSION AND SEDIMENT INSPECTION AND MAINTENANCE**
- ALL EROSION AND SILTATION MEASURES ARE TO BE INSPECTED ON A WEEKLY BASIS BY THE CONTRACTOR.
 - ALL EROSION AND SILTATION MEASURES ARE TO BE INSPECTED AFTER EVERY RAINFALL EVENT BY THE CONTRACTOR/PROponent AS WELL AS THE PROPONENT.
 - ALL EROSION AND SILTATION MEASURES ARE TO BE INSPECTED AFTER SIGNIFICANT SNOWMELT EVENTS BY THE CONTRACTOR.
 - ALL EROSION AND SILTATION MEASURES ARE TO BE INSPECTED DAILY DURING EXTENDED RAIN OR SNOWMELT PERIODS BY THE CONTRACTOR.

- NOTES**
- EROSION AND SEDIMENT CONTROL (ESC) MEASURES WILL BE IMPLEMENTED PRIOR TO, AND MAINTAINED DURING THE CONSTRUCTION PHASES, TO PREVENT ENTRY OF SEDIMENT INTO THE WATER. ALL DAMAGED EROSION AND SEDIMENT CONTROL MEASURES SHOULD BE REPAIRED AND/OR REPLACED WITHIN 48 HRS OF THE INSPECTION. EROSION AND SEDIMENT CONTROLS WILL BE INSPECTED WEEKLY, AFTER EVERY RAINFALL AND SNOWMELT EVENT AND DAILY DURING EXTENDED RAIN OR SNOWMELT PERIODS.
 - THE EROSION AND SEDIMENT CONTROL STRATEGIES OUTLINED ON THE PLANS ARE NOT STATIC AND WILL NEED TO BE UPGRADED/AMENDED AS THE SITE CONDITIONS CHANGE TO MINIMIZE SEDIMENT LADEN RUNOFF FROM LEAVING THE WORK AREAS. IF THE PRESCRIBED MEASURES ON THE PLANS ARE NOT EFFECTIVE IN PREVENTING THE RELEASE OF DELETERIOUS SUBSTANCES, INCLUDING SEDIMENT, THEN ALTERNATIVE MEASURES MUST BE IMPLEMENTED IMMEDIATELY TO MINIMIZE POTENTIAL ECOLOGICAL IMPACTS. TRCA ENFORCEMENT OFFICER SHOULD BE IMMEDIATELY CONTACTED. ADDITIONAL ESC MEASURES TO BE KEPT ON SITE AND USED AS NECESSARY.

- LEGEND**
- EXISTING ELEVATIONS
 - EXISTING CATCHBASIN
 - EXISTING MAINTENANCE HOLE
 - EXISTING STORM SEWER
 - EXISTING SANITARY SEWER
 - EXISTING WATERMAIN
 - EXISTING GAS LINE
 - EXISTING UNDERGROUND HYDRO
 - EXISTING UNDERGROUND CABLE
 - EXISTING UNDERGROUND FIBRE OPTIC
 - EXISTING UNDERGROUND TELEPHONE LINE
 - PROPOSED SEDIMENT PROTECTION
 - PROPOSED SILTATION FENCE
 - ITEM IDENTIFIED AS REMOVAL
 - ASPHALT REMOVAL
 - CONCRETE REMOVAL
 - EXISTING OVERLAND FLOW ROUTE
 - PROPOSED OVERLAND FLOW ROUTE



- NOTES:**
- TO BE INSTALLED ON ALL CATCHBASINS AND MAINTAINED BETWEEN APRIL AND DECEMBER. REMOVE FOR WINTER SEASON.
 - WOVEN GEOTEXTILE TO HAVE EQUIVALENT OPENING SIZE BETWEEN 0.15mm AND 0.25mm.
 - WOVEN GEOTEXTILE TO BE REPLACED PERIODICALLY WHEN ACCUMULATED SEDIMENTS INTERFERES WITH DRAINAGE.



The Contractor shall verify all dimensions prior to commencement of the work. All print and specifications are the property of the Architect and must be returned upon completion of the work.

ISSUE OR REVISION		
No.	Description	Date
1	ISSUED FOR SPA	05/27/22
2	ISSUED FOR SPA RESUBMISSION	06/12/23

VAUGHAN FIRE STATION 7-12
9541 WESTON ROAD, WOODBRIDGE, ONTARIO

MGM CONSULTING INC
Consulting Engineering & Project Management
555 Industrial Drive
Suite 201
Mississauga, Ontario
L5T 5E1
Tel: (905) 667-8678
Fax: (905) 673-1339
Email: mgm@mgm.on.ca
www.mgm.on.ca

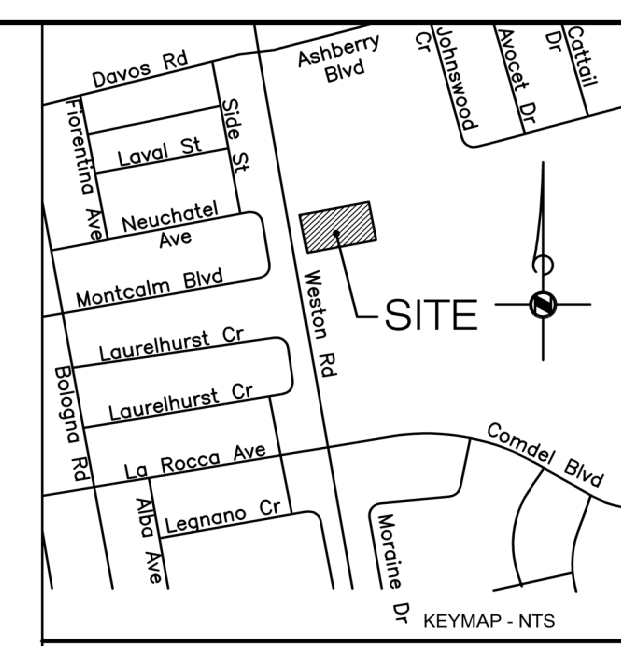
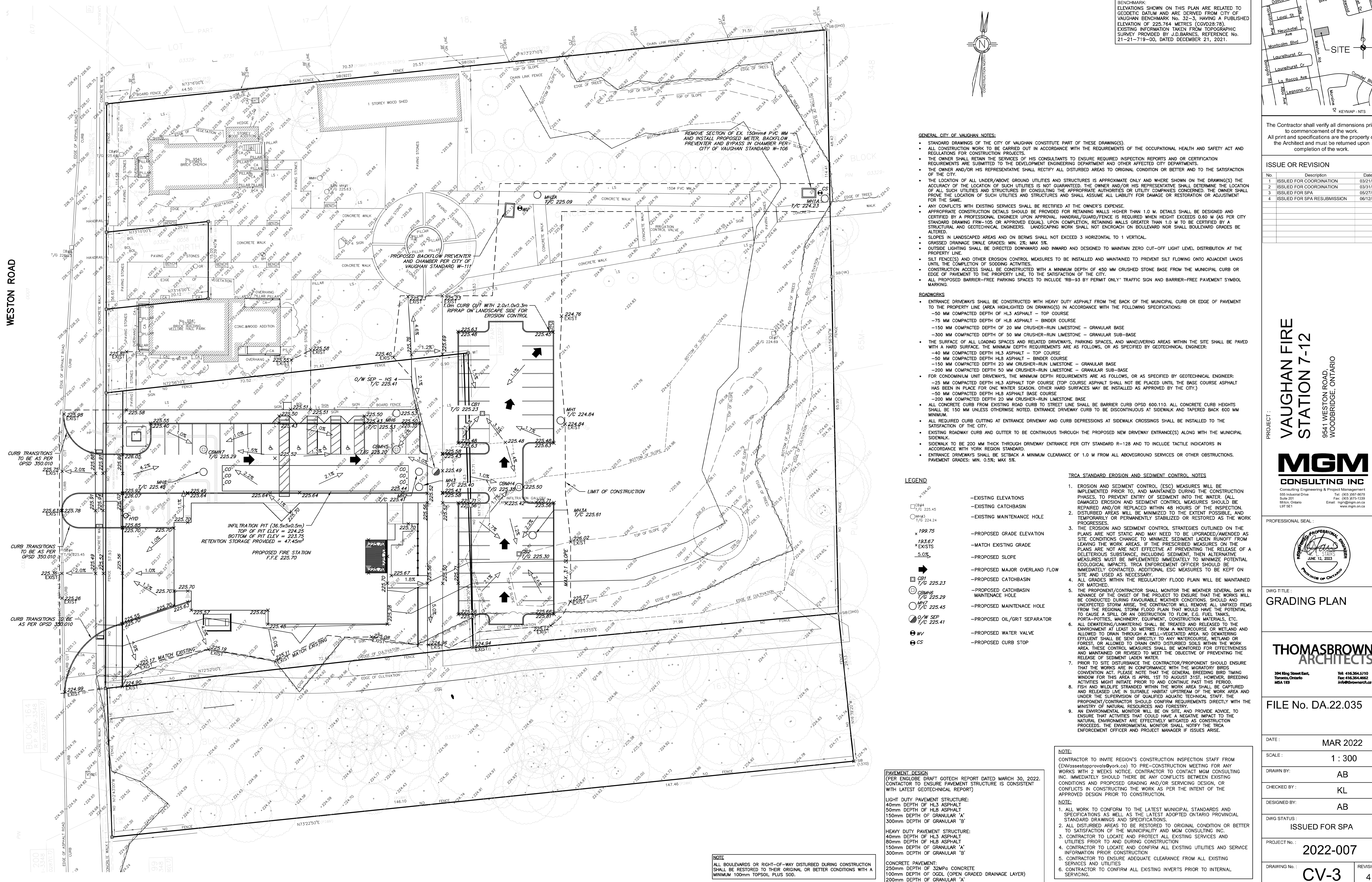
PROFESSIONAL SEAL:

DWG TITLE:
SEDIMENT & EROSION CONTROL & REMOVALS PLAN

THOMASBROWN ARCHITECTS
394 King Street East
Toronto, Ontario
M5A 1K9
Tel: 416.364.9710
Fax: 416.364.6622
info@thomasbrown.ca

FILE No. DA.22.035

DATE:	MAR 2022
SCALE:	1 : 300
DRAWN BY:	AB
CHECKED BY:	KL
DESIGNED BY:	AB
DWG STATUS:	ISSUED FOR SPA
PROJECT No.:	2022-007
DRAWING No.:	CV-1
REVISION:	2

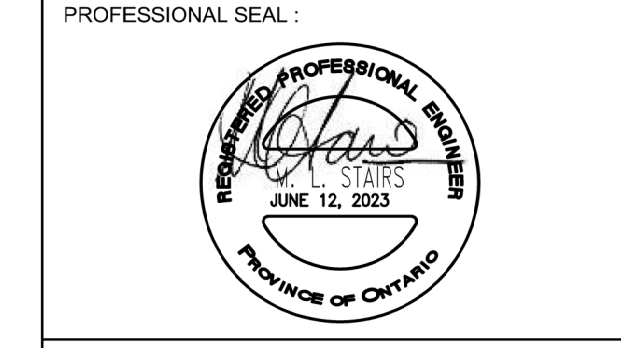


The Contractor shall verify all dimensions prior to commencement of the work. All print and specifications are the property of the Architect and must be returned upon completion of the work.

Table with 3 columns: No., Description, Date. Lists revision history for the drawing.

ISSUE OR REVISION

PROJECT: VAUGHAN FIRE STATION 7-12
9541 WESTON ROAD, WOODBRIDGE, ONTARIO



DWG TITLE: GRADING PLAN
THOMASBROWN ARCHITECTS

Table with 3 columns: DATE, SCALE, DRAWN BY, CHECKED BY, DESIGNED BY, DWG STATUS, PROJECT No., DRAWING No., REVISION. Contains project details and revision info.

- GENERAL CITY OF VAUGHAN NOTES: STANDARD DRAWINGS OF THE CITY OF VAUGHAN CONSTITUTE PART OF THESE DRAWING(S). ALL CONSTRUCTION WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS.

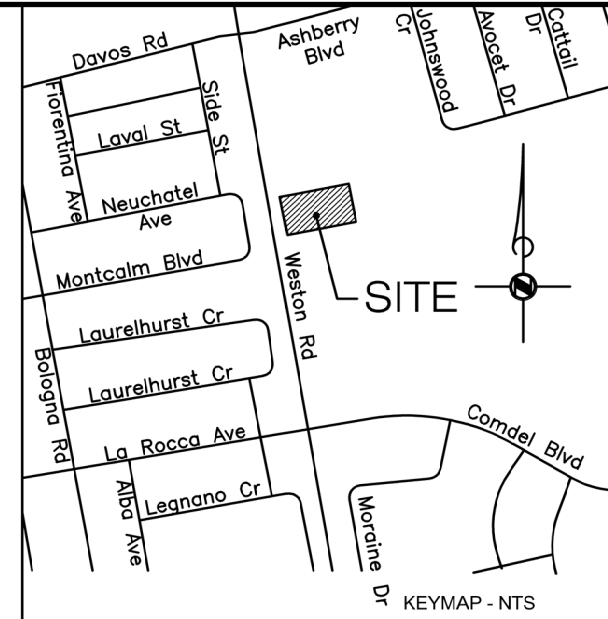
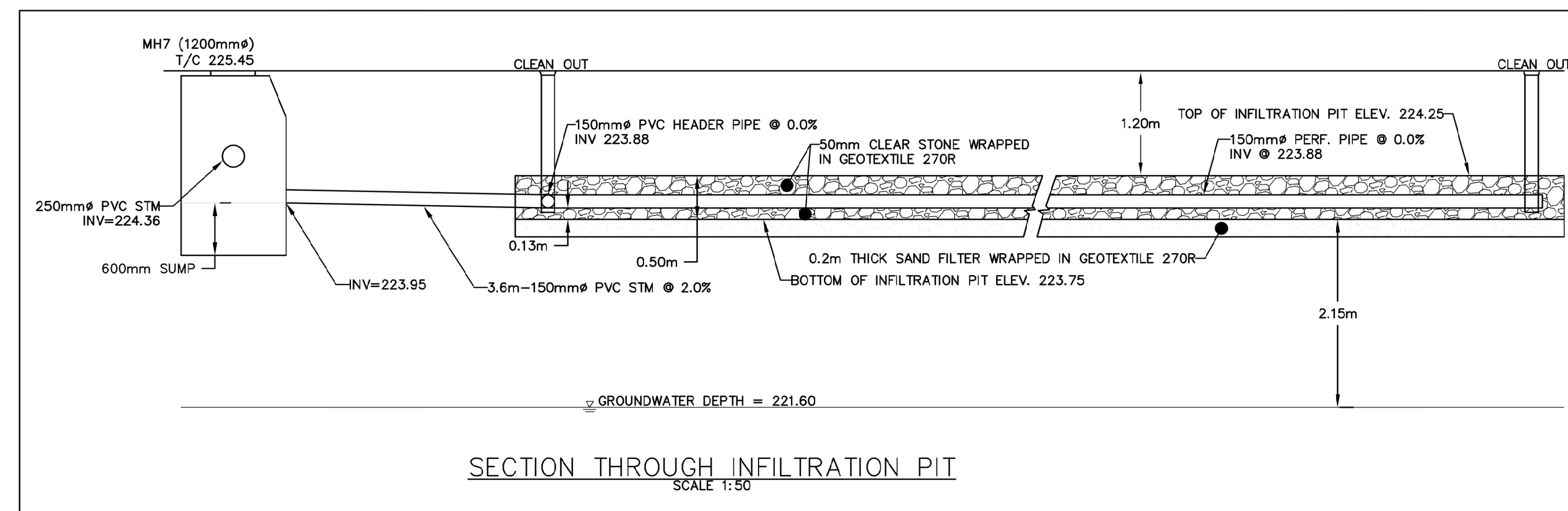
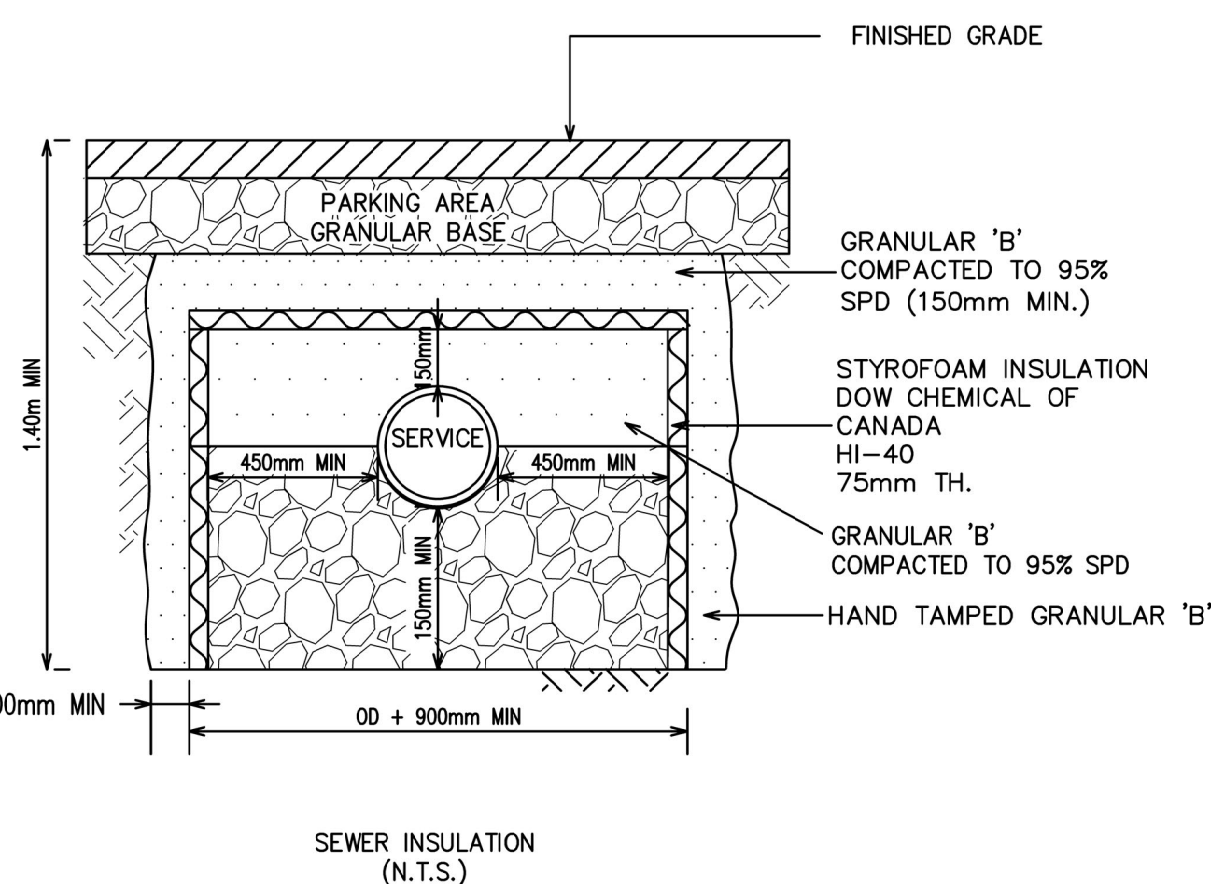
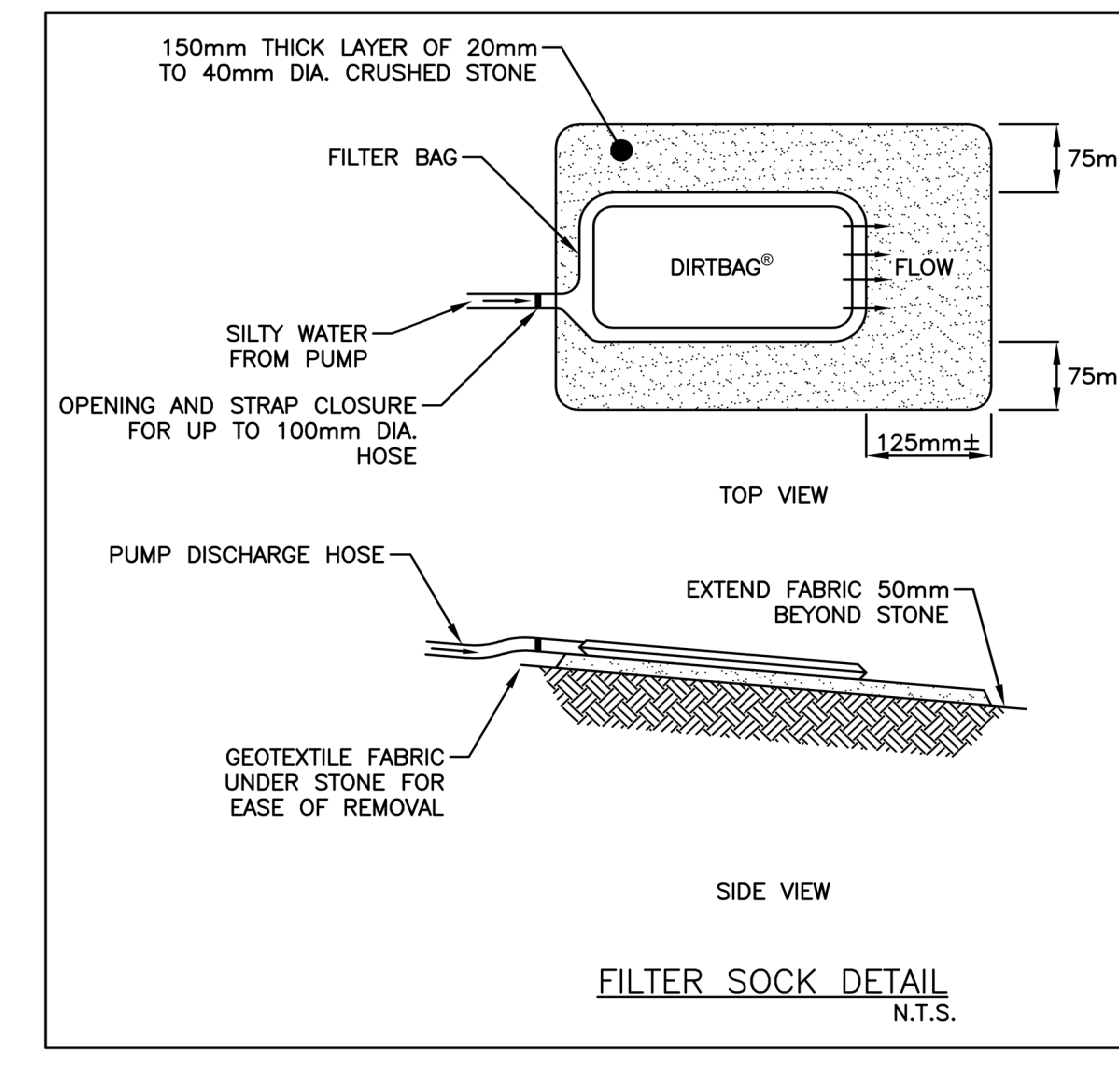
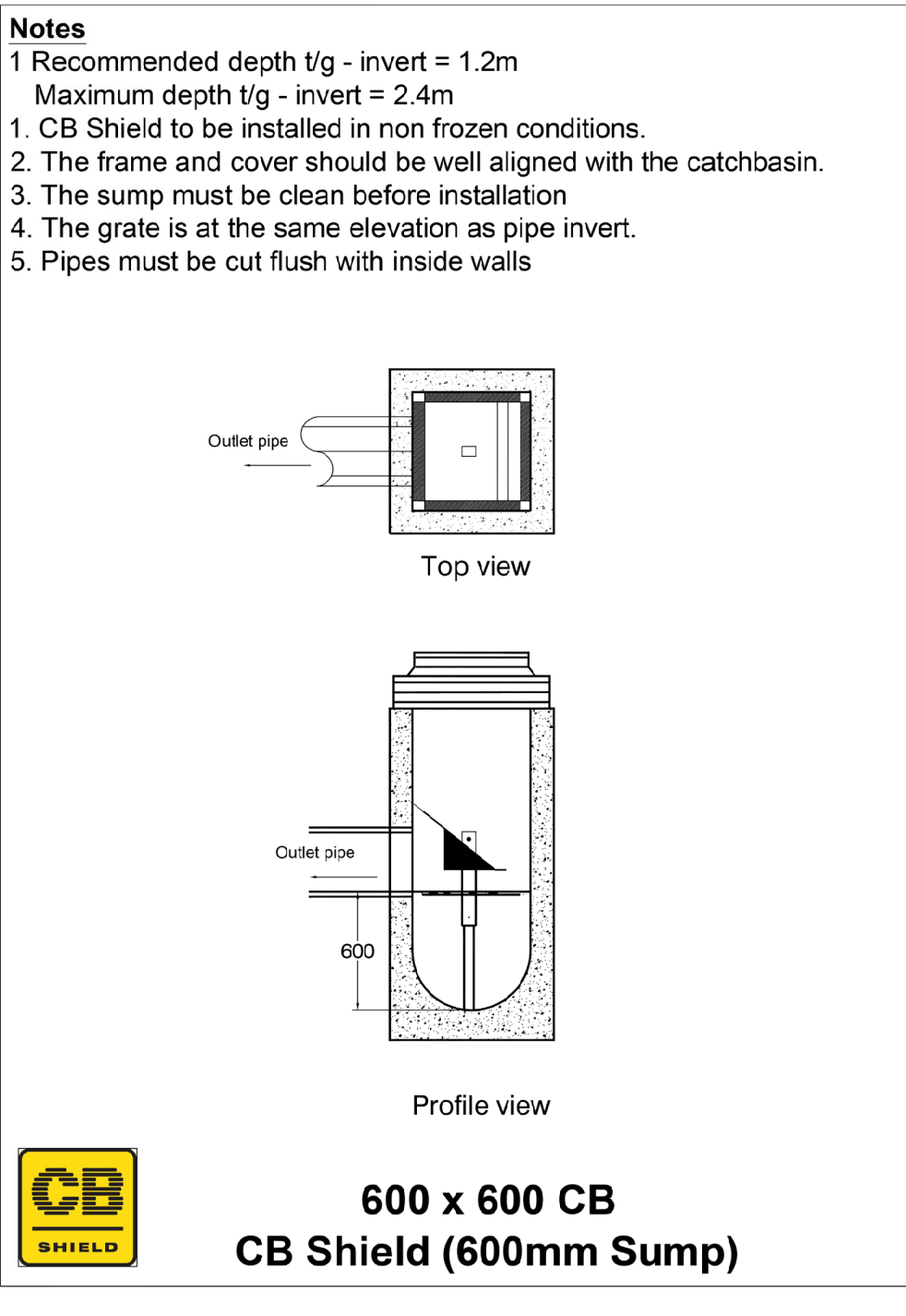
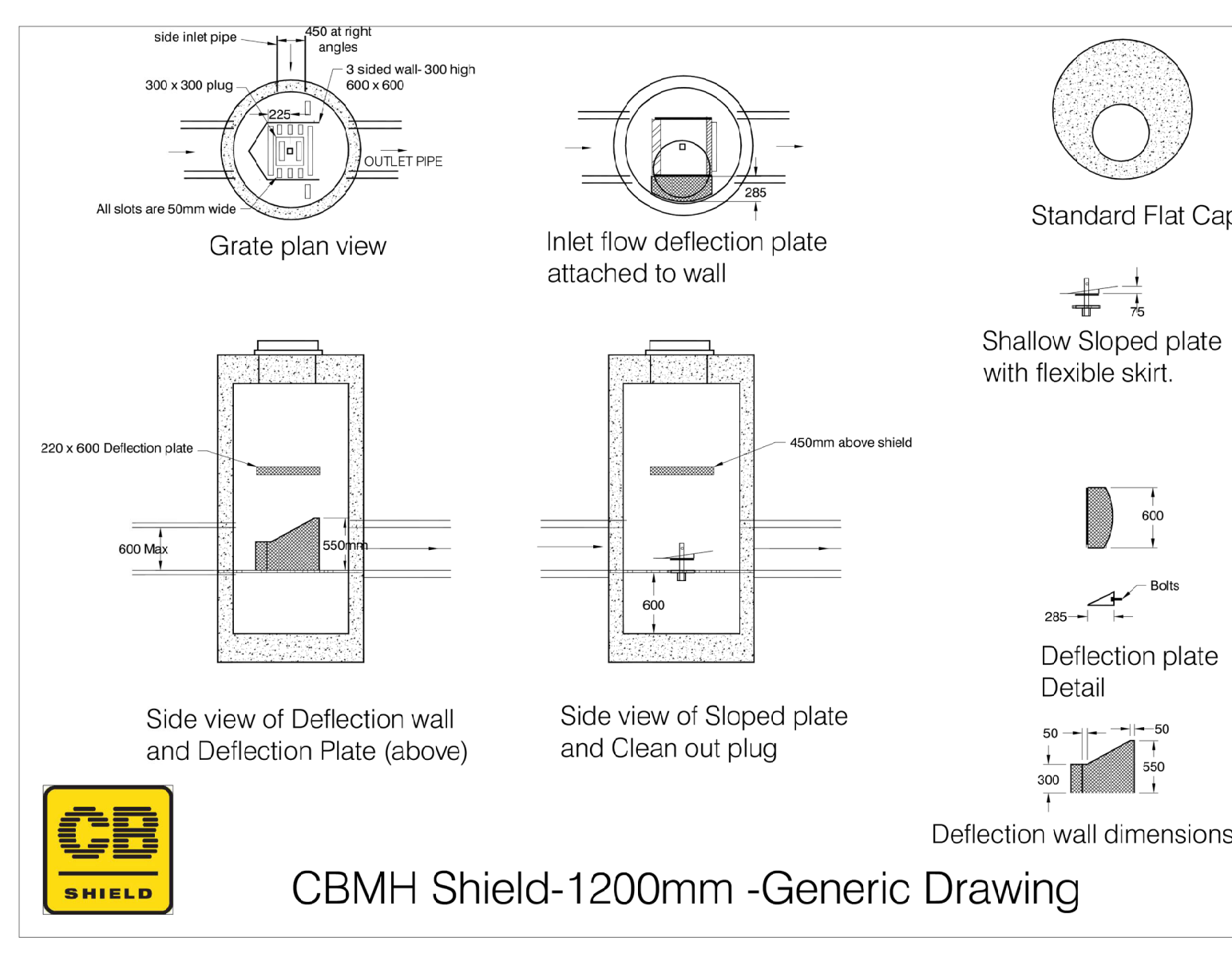
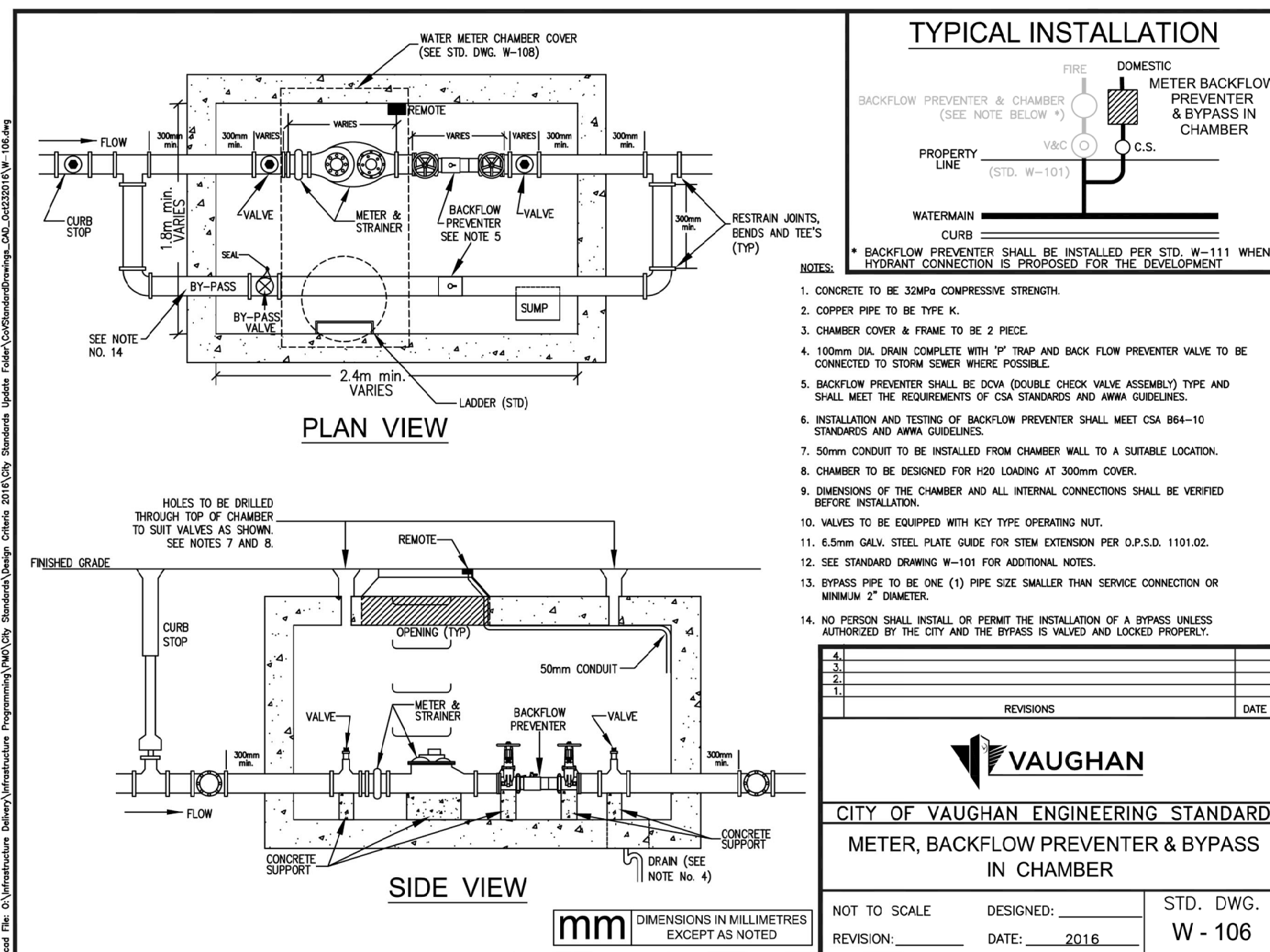
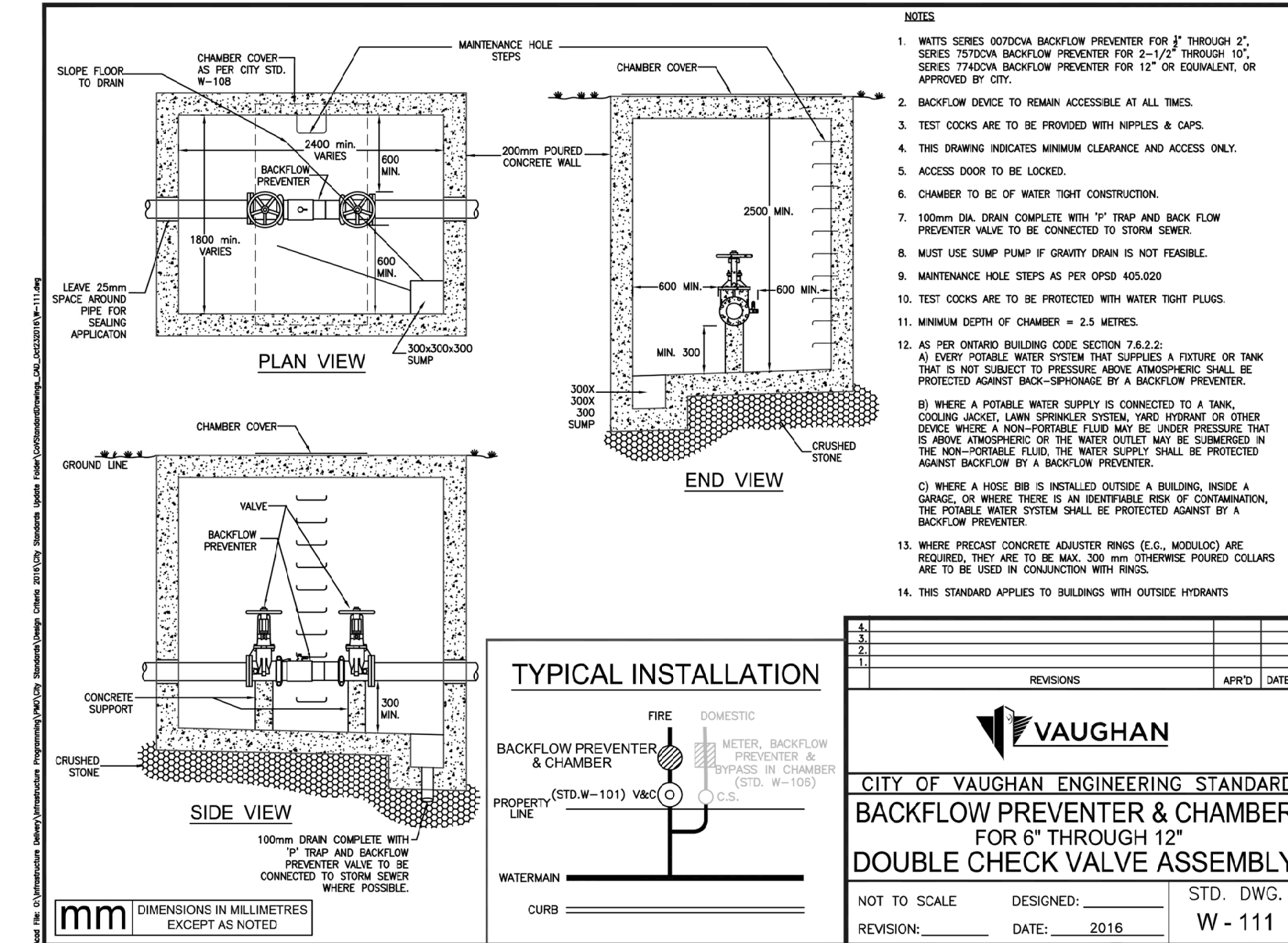
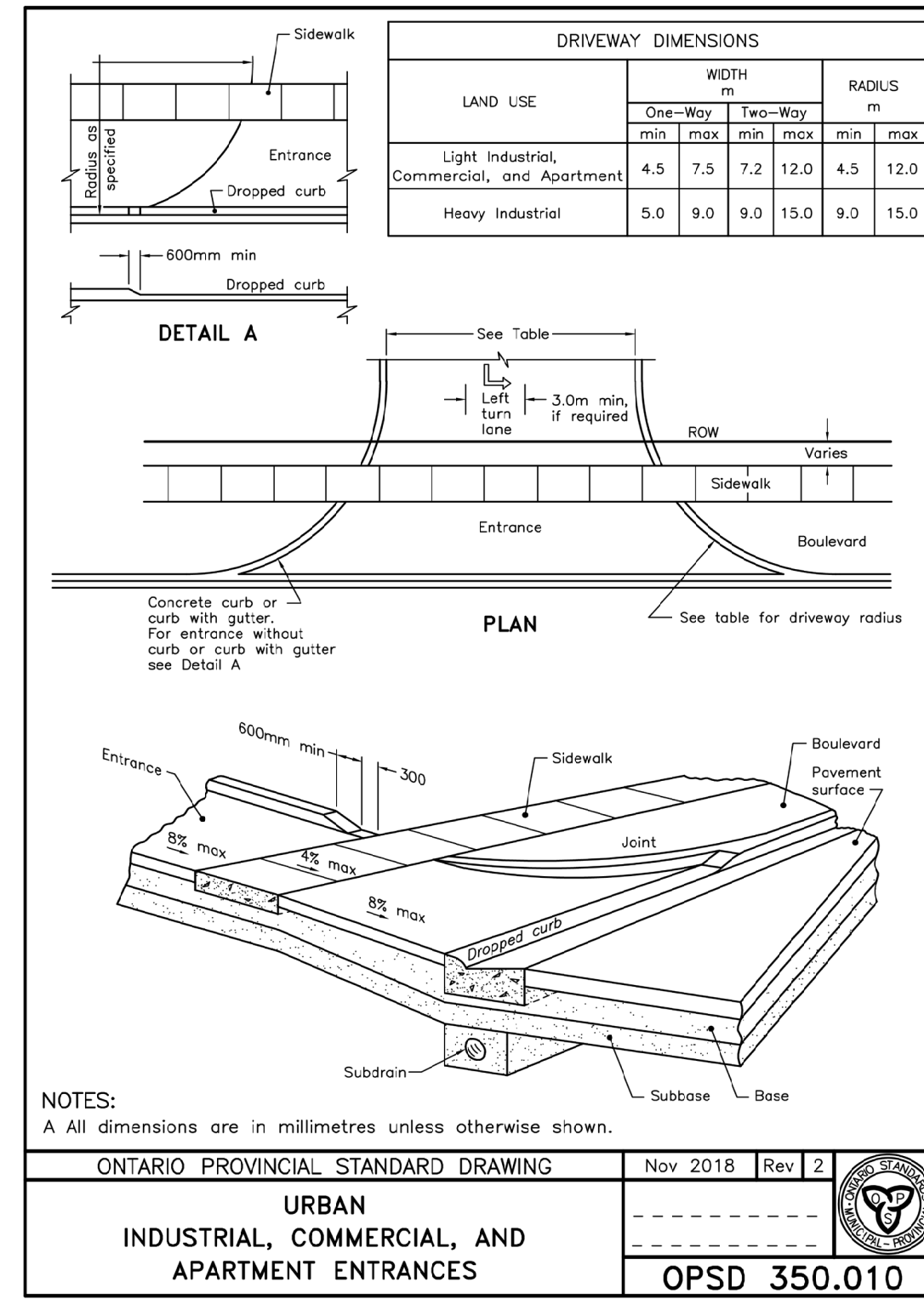
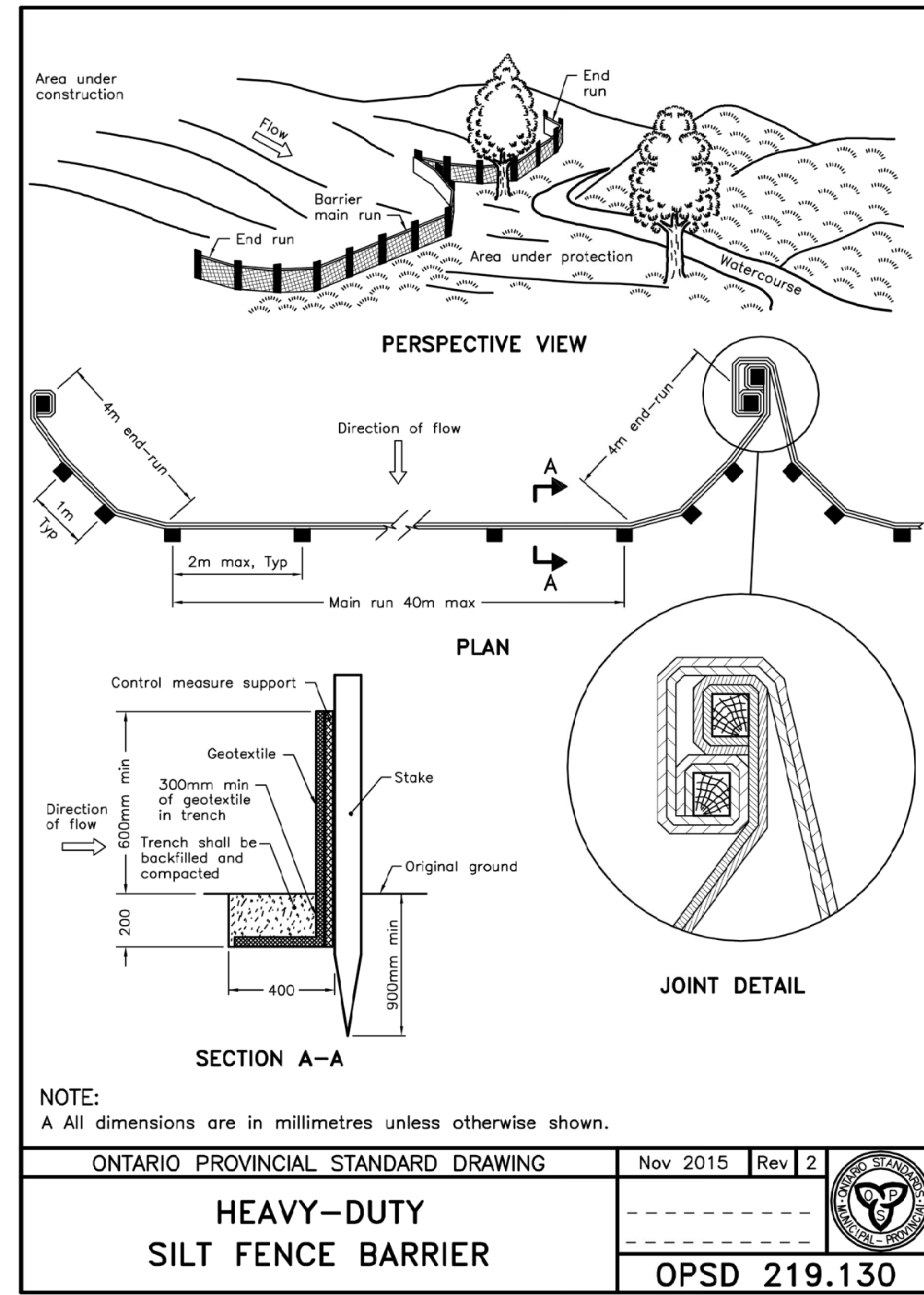
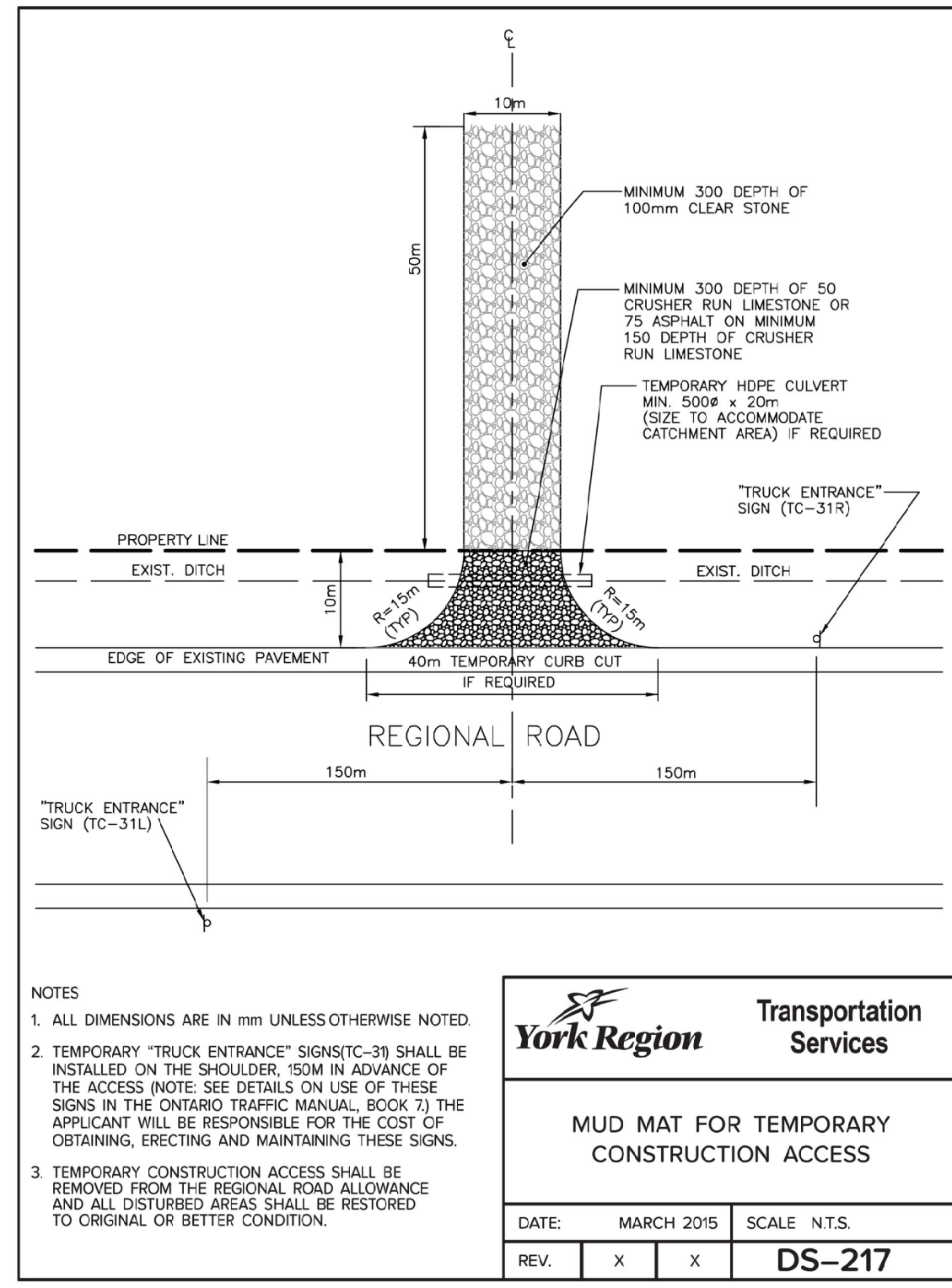
- ROADWORKS: ENTRANCE DRIVEWAYS SHALL BE CONSTRUCTED WITH HEAVY DUTY ASPHALT FROM THE BACK OF THE MUNICIPAL CURB OR EDGE OF PAVEMENT TO THE PROPERTY LINE (AREA HIGHLIGHTED ON DRAWING(S) IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS).

LEGEND: Symbols and line types representing existing and proposed elevations, catchbasins, maintenance holes, slopes, and curbs.

- TRCA STANDARD EROSION AND SEDIMENT CONTROL NOTES: EROSION AND SEDIMENT CONTROL (ESC) MEASURES WILL BE IMPLEMENTED PRIOR TO, AND MAINTAINED DURING THE CONSTRUCTION PHASES. TO PREVENT ENTRY OF SEDIMENT INTO THE WATER...

PAVEMENT DESIGN: LIGHT DUTY PAVEMENT STRUCTURE: 40mm DEPTH OF HLB ASPHALT 50mm DEPTH OF HLB ASPHALT 150mm DEPTH OF GRANULAR 'A' 300mm DEPTH OF GRANULAR 'B'

NOTE: CONTRACTOR TO INVITE REGION'S CONSTRUCTION INSPECTION STAFF FROM (ENVassetapprovals@york.ca) TO PRE-CONSTRUCTION MEETING FOR ANY WORKS WITH 2 WEEKS NOTICE.



The Contractor shall verify all dimensions prior to commencement of the work. All print and specifications are the property of the Architect and must be returned upon completion of the work.

ISSUE OR REVISION

No.	Description	Date
1	ISSUED FOR SPA	05/27/22
2	ISSUED FOR SPA RESUBMISSION	06/12/23

NO.	REVISIONS	APPRO.	DATE

VAUGHAN CITY OF VAUGHAN ENGINEERING STANDARD BACKFLOW PREVENTER & CHAMBER FOR 6" THROUGH 12" DOUBLE CHECK VALVE ASSEMBLY

NOT TO SCALE DESIGNED: STD. DWG. W-111
 REVISION: DATE: 2016

VAUGHAN FIRE STATION 7-12

9541 WESTON ROAD, WOODBRIDGE, ONTARIO

MGM CONSULTING INC.

Consulting Engineering & Project Management
 555 Industrial Drive
 Suite 201
 Milton, Ontario
 L9T 5E1

Tel: (905) 567-8673
 Fax: (905) 875-1339
 Email: mgm@mgm.on.ca
 www.mgm.on.ca

PROFESSIONAL SEAL:

Professional Engineer
 JAMES STAINES
 JUNE 12, 2023
 PROVINCE OF ONTARIO

DWG TITLE: DETAILS

THOMASBROWN ARCHITECTS

394 King Street East, Toronto, Ontario M5A 1K9
 Tel: 416.354.5710 Fax: 416.354.4662 info@tbwarchitects.ca

FILE No. DA.22.035

DATE: MAR 2022

SCALE: 1 : 300

DRAWN BY: AB

CHECKED BY: KL

DESIGNED BY: AB

DWG STATUS: ISSUED FOR SPA

PROJECT No.: 2022-007

DRAWING No.: CV-4 **REVISION: 2**

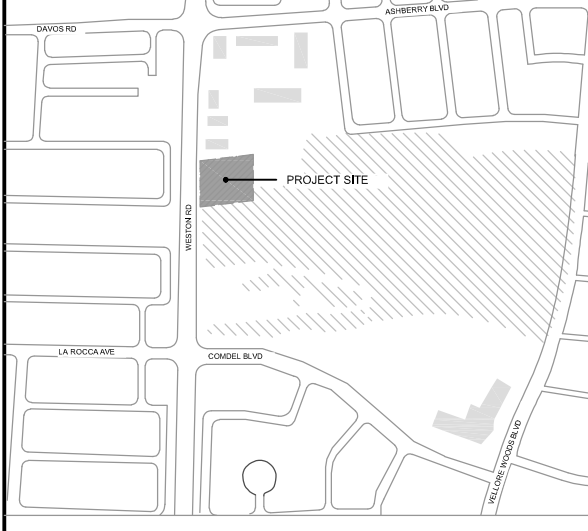
PLANT LIST										
DECIDUOUS TREES										
KEY	QUANT	BOTANICAL NAME	COMMON NAME	HEIGHT	SPREAD	CALIPER	SPACING	COND.	REMARKS	
AF	06	Acer freemanii 'Jefferson'	Autumn Blaze Maple	4200	2000	60	as shown	WB	FULL FORM	
GB	09	Ginkgo biloba 'Princeton Sentry'	Princeton Sentry Ginkgo	4000	2000	60	as shown	WB	FULL FORM	
GT	05	Gleditsia tricanthos 'Shademaster'	Shademaster Honey Locust	4000	2000	60	as shown	WB	FULL FORM	
QM	03	Quercus macrocarpa	Burr Oak	4000	2000	60	as shown	WB	FULL FORM	
QR	05	Quercus robur 'Fastigiata'	Pyramidal English Oak	4000	2000	60	as shown	WB	FULL FORM	
CONIFEROUS TREES										
KEY	QUANT	BOTANICAL NAME	COMMON NAME	HEIGHT	SPREAD	CALIPER	SPACING	COND.	REMARKS	
PG	06	Picea glauca	White Spruce	1750	1500	-	as shown	WB	FULL FORM	
PS	17	Pinus strobus	Eastern White Pine	1750	1500	-	as shown	WB	FULL FORM	
DECIDUOUS SHRUBS										
KEY	QUANT	BOTANICAL NAME	COMMON NAME	HEIGHT	SPREAD	CALIPER	SPACING	COND.	REMARKS	
CF	66	Cornus sericea 'Arctic Fire'	Arctic Fire Dogwood	600	600	700	CG	Full Form		
Ca	23	Cornus sanguinea 'Arctic Sun'	Arctic Sun Dogwood	600	600	700	CG	Full Form		
DI	99	Dierilla lonicera	Bush Honeyuckle	600	600	700	CG	Full Form		
Rha	75	Rhus aromatica 'Gra Low'	Grow Low Fragrant Sumac	600	-	900	CG	Full Form		
CONIFEROUS SHRUBS										
KEY	QUANT	BOTANICAL NAME	COMMON NAME	HEIGHT	SPREAD	CALIPER	SPACING	COND.	REMARKS	
Tm	28	Taxus x media 'Hicksii'	Hicks Yew	700	-	700	CG	Full Form		
PERENNIALS AND ORNAMENTAL GRASS										
KEY	QUANT	BOTANICAL NAME	COMMON NAME	HEIGHT	SPREAD	CALIPER	SPACING	COND.	REMARKS	
pa	124	Pennisetum alopecuroides 'Little Bunny'	Little Bunny Fountain Grass	-	-	-	500	20AL	Full Form	
ic	105	Imperata cylindrica 'Red Baron'	Japanese Blood Grass	-	-	-	500	20AL	Full Form	

PLANTING NOTES:

- CHECK ALL QUANTITIES
- REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT
- THE QUANTITIES INDICATED ON THE PLAN SUPERSEDE THE TOTALS OF THE PLANT LIST
- THE LAYOUT OF ALL PLANT MATERIAL IS TO BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO PLANTING.

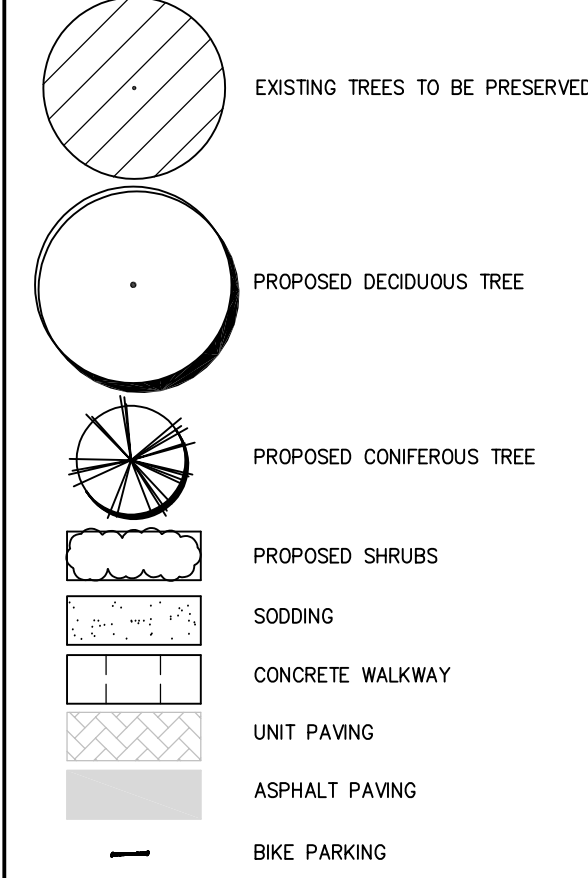
GENERAL NOTES

VERIFY ALL DIMENSIONS. DO NOT SCALE DRAWINGS. REPORT ANY DISCREPANCIES, DISCOVERED ERRORS, OR OMISSIONS TO THE LANDSCAPE ARCHITECT BEFORE PROCEEDING. IT IS ADVISED THAT CONTRACTORS CONTACT THE LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION TO ENSURE THE USE OF THE LATEST REVISED DRAWINGS. DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE LANDSCAPE ARCHITECT.



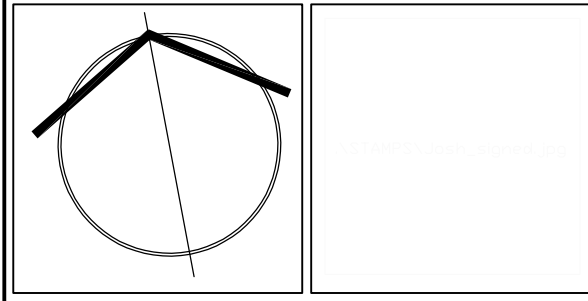
KEY MAP

LEGEND



No.	DATE	REVISION	BY
2	MAR 28th, 2024	ISSUED FOR RESUBMISSION	J.B.
1	SEPT 29, 2023	ISSUED FOR SPA (FOLLOWING PREVIOUS LANDSCAPE SUBMISSION BY OTHERS)	J.B.

It is the responsibility of the Contractor and/or Owner to ensure that the drawings with the latest revisions are used for construction.



SBK 5770 HURONTARIO STREET, SUITE 320
MISSISSAUGA, ONTARIO, L5R 3G5
T: 416.695.4949 F: 905.712.3101
WWW.STRYBOS.COM

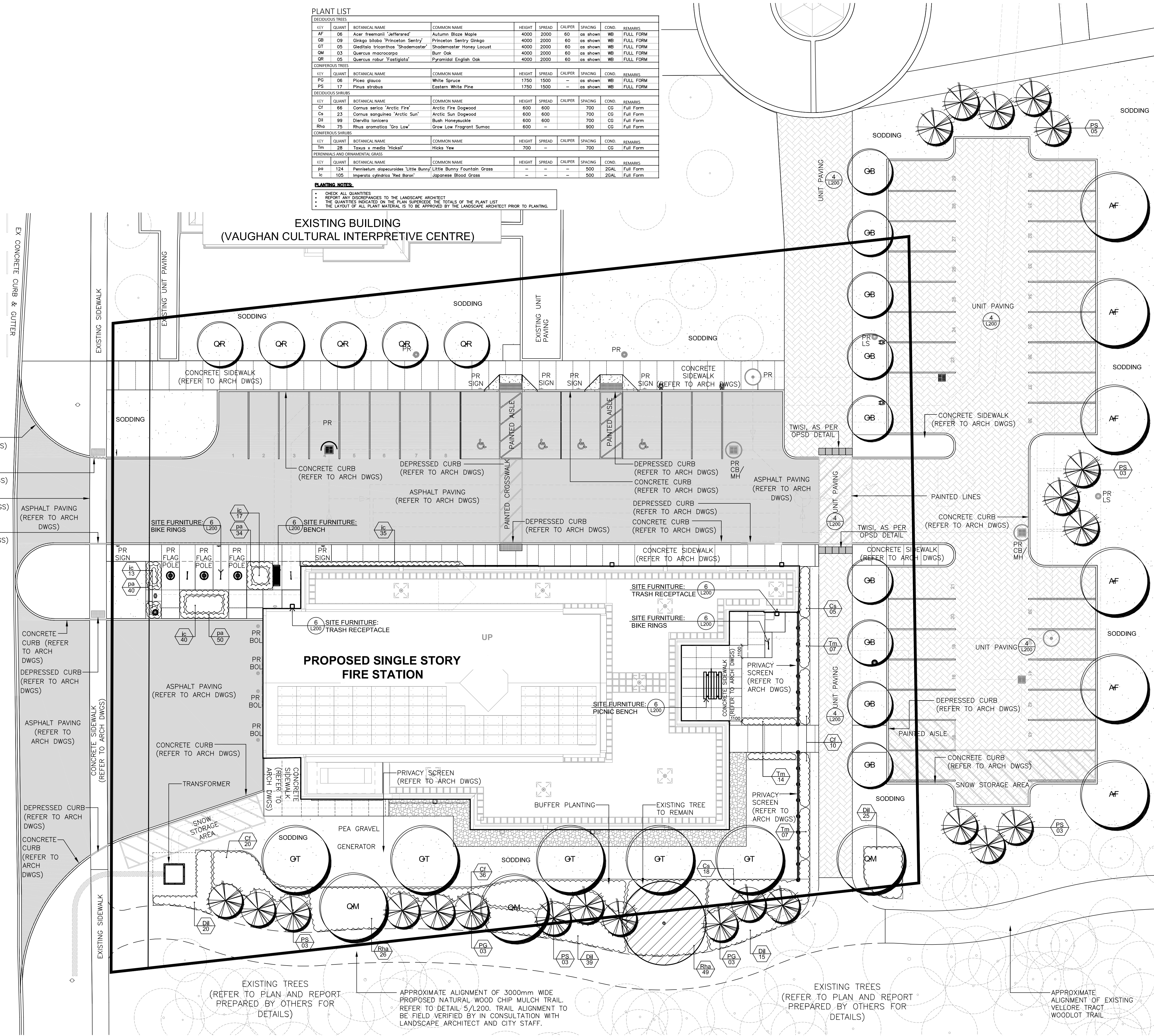
STRYBOS BARRON KING
LANDSCAPE ARCHITECTURE

PROJECT:
CITY OF VAUGHAN FIRE STATION 7-12
9511 WESTON ROAD, VAUGHAN

DRAWING TITLE:
LANDSCAPE PLAN

SCALE: 1:125	PROJECT No. 23-5941
DATE: AUGUST 2023	DRAWING No. L100
DRAWN BY: S.S.	CHECKED BY: J.B.

WESTON ROAD



EXISTING TREES (REFER TO PLAN AND REPORT PREPARED BY OTHERS FOR DETAILS)

APPROXIMATE ALIGNMENT OF 3000mm WIDE PROPOSED NATURAL WOOD CHIP MULCH TRAIL. REFER TO DETAIL 5/L200. TRAIL ALIGNMENT TO BE FIELD VERIFIED BY IN CONSULTATION WITH LANDSCAPE ARCHITECT AND CITY STAFF.

EXISTING TREES (REFER TO PLAN AND REPORT PREPARED BY OTHERS FOR DETAILS)

APPROXIMATE ALIGNMENT OF EXISTING VELLORE TRACT WOODLOT TRAIL

