

PARKS
CANADA

ISSUED FOR TENDER

2021-03-05

CAVENDISH WASHROOM FACILITY

PRINCE EDWARD ISLAND NATIONAL PARK

PROJECT NUMBER: 201-05173-00

ARCHITECT:

ARCHITECTURE | 49

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ENGINEER:



DRAWING LIST

- S0 CONSTRUCTION NOTES
- S1 STRUCTURAL PLAN SLAB ON GRADE
- S2 STRUCTURAL PLAN ROOF FRAMING

- A0 SYMBOLS, LEGENDS & GENERAL NOTES
- A1 SLAB, FLOOR, ROOF, CEILING PLANS
- A2 EXTERIOR ELEVATIONS
- A3 BUILDING SECTIONS
- A4 WALL SECTIONS
- A5 ENLARGED PLANS & INTERIOR ELEVATIONS
- A6 ENLARGED PLANS & INTERIOR ELEVATIONS
- A7 MILLWORK

- P1 PLUMBING FLOOR PLAN AND DETAILS

- M1 HVAC FLOOR PLAN & DETAILS

- E-1 ELECTRICAL PLANS, SCHEDULES, DETAILS AND DIAGRAMS

Canada 

GENERAL NOTES

- SEE ALL DRAWINGS FOR ANY ADDITIONAL NOTES.
- COMPLY WITH THE 2015 NATIONAL BUILDING CODE OF CANADA, LOCAL BY-LAWS, CANADIAN CONSTRUCTION SAFETY CODE AND ALL REGULATIONS SET BY AUTHORITIES HAVING JURISDICTION. IN CASE OF CONFLICT OR DISCREPANCY, THE MORE STRINGENT REQUIREMENTS SHALL APPLY.
- DETAILS OF CONSTRUCTION NOT FULLY SHOWN SHALL BE OF SAME CHARACTER AS THOSE NOTED FOR SIMILAR CONDITIONS.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK.
- THE CONTRACTOR AND ITS SUBCONTRACTOR(S) MUST CONSIDER THAT THE WORK DEPENDS ON SITE CONDITIONS. THEY ARE REQUIRED TO COMPLETE THE WORK IN KEEPING WITH THE PRACTICES OF THEIR TRADE.
- ONLY THE MAIN OPENINGS ARE SHOWN ON THE DRAWINGS. COORDINATE ALL OPENINGS WITH THE DRAWINGS OF THE OTHER PROFESSIONALS. ADVISE THE STRUCTURAL ENGINEER OF ALL CHANGES OR ADDITIONAL DETAILS.
- THE CONTRACTOR IS TO DESIGN, INSTALL AND MAINTAIN ALL TEMPORARY SUPPORTS AND BRACING AS REQUIRED FOR STABILITY AND SAFETY DURING CONSTRUCTION.

FOUNDATION NOTES

- ALL FOOTINGS SHALL BE PLACED ON UNDISTURBED SOIL OR ON STRUCTURAL FILL APPROVED BY A QUALIFIED GEOTECHNICAL ENGINEER. MINIMUM SOIL CAPACITY SHALL BE 150kPa (SLS)
- EXCAVATE AND PREPARE BASE FOR FOUNDATION AND FLOOR SLAB AS PER GEOTECHNICAL CONSULTANT'S REPORT AND SPECIFICATIONS.
- CHECK MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATION AND REQUIREMENTS FOR ALL PIPE SLEEVES, CONCRETE BASES, DRAINS, PITS, AND TRENCHES REQUIRED.
- PRIOR TO COMMENCING EXCAVATION WORK, THE CONTRACTOR MUST CHECK TO SEE WHETHER THERE ARE ANY UTILITIES IN THE VICINITY. THE CONTRACTOR IS RESPONSIBLE FOR REROUTING OR RELOCATING, WITH THE AUTHORIZATION OF THE AUTHORITIES CONCERNED, THE PIPES OR WIRING THAT INTERFERE WITH THE PERFORMANCE OF THE WORK.
- PERFORM THE EXCAVATION WORK IN COMPLIANCE WITH THE RULES OF THE TRADE AND THE APPLICABLE SAFETY CODES.
- DIG TRENCHES FOR MECHANICAL, ELECTRICAL, WATERWORKS AND SEWER UTILITIES SHOWN ON THE MECHANICAL, ELECTRICAL AND CIVIL DRAWINGS.

CONCRETE NOTES

- CONCRETE FORMWORK
- CONCRETE FORMWORK COMPLIANT WITH STANDARD CSA A23.1 AND CSA S269.3.
 - SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR EXPOSED CONCRETE FINISHES.
- CONCRETE REINFORCEMENT
- REINFORCING STEEL: BILLET STEEL, GRADE 400 MPA, DEFORMED BARS CONFORM TO CAN/CSA-G30.18.
 - WELDED STEEL MESH - IN FLAT SHEETS ONLY CONFORM TO CAN/CSA-G30.5.
 - THE REINFORCING STEEL DETAILS SHALL BE IN ACCORDANCE WITH THE REINFORCING STEEL INSTITUTE OF CANADA MANUAL AND CSA STANDARD A23.1.
 - CONCRETE COVER TO THE REINFORCING STEEL:
 - CONCRETE PLACED DIRECTLY ON THE GROUND: 3" (76mm)
 - CONCRETE IN CONTACT WITH THE GROUND AFTER THE FORMS HAVE BEEN REMOVED AND EXPOSURE TO INCLEMENT WEATHER : 2" (50mm)
 - CONCRETE EXPOSED TO CHEMICAL PRODUCT FOR THE REMOVAL OF THE ICE (CHLORIDE): 2" (50mm)
 - CONCRETE THAT IS NEITHER EXPOSED NOR IN CONTACT WITH THE GROUND: SLABS AND WALLS (10M TO 35M): 3/4" (20mm)
 - SLABS ON GRADE: 1" (25mm) FROM THE TOP OF THE SLABS.

CAST-IN-PLACE CONCRETE

- CONCRETE WORKS TO BE IN ACCORDANCE WITH CAN/CSA-A23.1-14 AND CAN/CSA-A23.3, LATEST REVISIONS.
- CONCRETE STRENGTH REQUIREMENTS INCLUDE:
 - CLASS "C-2" EXPOSURE (MINIMUM 32 MPa) FOR EXTERIOR SUSPENDED SLABS, EXTERIOR FLAT WORK, WALKWAYS, SLABS AND CURBS.
 - CLASS "F-2" EXPOSURE (MINIMUM 30 MPa) FOR FOOTINGS AND FOUNDATION WALLS.
- SUBMIT ALL CONCRETE MIX TO THE LABORATORY FOR APPROVAL.
- ALL CONCRETE TESTING SHALL CONFORM TO CSA A23.2
- CONCRETE TESTING IS TO BE PERFORMED BY A PRIVATE LABORATORY RETAINED BY THE OWNER AND IS TO BE COMPLIANT WITH THE STANDARDIZED CSA CURING PROCEDURE. THE LABORATORY MUST COLLECT A SET OF THREE (3) CYLINDERS PER 75 C.M. OF CONCRETE INSTALLED (TO BE COORDINATED WITH THE ENGINEER).
- NO WATER IS TO BE ADDED TO THE CONCRETE, EITHER ON SITE OR IN THE CONCRETE MIXER. CONCRETE WHICH HAS SETTLED FOR MORE THAN 2 HOURS IN THE CONCRETE MIXER MUST BE REJECTED.
- FORMWORK IS NOT TO BE REMOVED UNTIL THE CONCRETE HAS OBTAINED SUFFICIENT STRENGTH TO SUSTAIN ALL LOADING.
- ICF FORMWORK TO BE INSTALLED IN STRICT ACCORDANCE TO MANUFACTURERS DETAILS AND INSTRUCTIONS.
- OPENINGS, RECESSES, AND ELEVATION REQUIREMENTS FOR SLAB ON GRADE TO BE CO-ORDINATED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
- LOCATION AND SIZE OF DOOR AND OTHER OPENINGS AND RECESSES IN ALL FOUNDATION WALLS TO BE CONFIRMED WITH ARCHITECTURAL DRAWINGS.

FLOOR SLAB NOTES

- CONCRETE FLOOR SLAB TO BE POURED ON APPROVED SUBGRADE.
- APPLY CURING AND HARDENING TREATMENTS AS OUTLINED IN SPECIFICATIONS. SAWCUT SLAB AND SEAL CONTROL JOINTS AS SHOWN ON DETAILS.
- FLOOR SLAB TO REACH FULL COMPRESSIVE STRENGTH BEFORE RECEIVING CONSTRUCTION TRAFFIC LOADS.
- OPENINGS, RECESSES, AND SLOPED AREAS FOR DRAINAGE REQUIREMENTS FOR SLAB ON GRADE TO BE COORDINATED WITH ALL TRADES.

WOOD FRAMING

- REFERENCE STANDARDS
- ALL WOOD STRUCTURAL MEMBER ASSEMBLIES AND FASTENERS SHALL CONFORM TO THE REQUIREMENTS OF CSA STANDARD 086-01, LATEST EDITION.
 - THE WOOD USED MUST BE COMPLIANT WITH THE PUBLICATION OF THE NLGA "STANDARD GRADING RULES FOR CANADIAN LUMBER", AND BEAR THE STAMPS OF THAT ORGANIZATION.

MATERIALS

- WOOD: SPF NO. 1 GRADE IN ACCORDANCE WITH NLGA RULES. THE WATER CONTENT OF THE WOOD COMPONENTS SHALL BE LESS THAN 19% WHEN THEY ARE CONNECTED (WITH THE STAMP "S-DRY").
- PLYWOOD: DOUGLAS FIR PLYWOOD, SHEATHING GRADE, FIVE PLY WITH TONGUE AND GROOVE, COMPLIANT WITH CSA STANDARD 0121.
- STRAND BOARD: ORIENTED LAMINATION PANEL (GRADE 0-1), COMPLIANT WITH CSA STANDARD 0437.
- NAILS: COMPLIANT WITH CSA STANDARD B111.
- CONNECTION HARDWARE: COMPLIANT WITH CAN/CSA STANDARD G40.20/G40.21, GRADE 300 W.
- STRUCTURAL COMPONENT LUMBER (SCL) SHALL BE EITHER LAMINATED VENEER LUMBER (LVL) OR PARALLAM (PSL) OR APPROVED EQUIVALENT, MINIMUM DESIGN PROPERTIES SHALL BE:
 - A. Fb: 5450 psi
 - B. Fv: 540 psi
 - C. E: 2,000,000 psi

ASSEMBLY (UNLESS APPROVED OTHERWISE)

- COORDINATE THE STRUCTURAL DRAWINGS WITH THE ARCHITECTURAL DRAWINGS CONCERNING THE ALIGNMENTS, GEOMETRY AND ELEVATIONS OF THE VARIOUS COMPONENTS.
- ROOF AND WALL SHEATHING SHALL BE NAILED w/ 2½" (64mm) NAILS AT 4" (100mm) c/c AT EDGES OR END SUPPORTS AND AT 4" (100mm) c/c AT INTERMEDIATE SUPPORTS. PROVIDE CONTINUOUS BLOCKING ALONG SHEATHING EDGES AT ALL ROOF AND WALL OPENINGS.
- ALL SHEATHING TO BE INSTALLED WITH JOISTS STAGGERED AND ENDS BUTTED OVER FRAMING.
- ALL SHEATHING TO BE NAILED TO BOTTOM 2x6 (38x140) PLATE AND DOUBLE 2x6 (38x140) TOP PLATE.
- ALL TIMBER TO TIMBER CONNECTIONS SHALL BE MADE WITH GALVANIZED STEEL CONNECTORS AS MANUFACTURED BY SIMPSON OR APPROVED EQUAL.
- ALL PARTITIONS OR NON-BEARING WALLS SHALL BE Laterally SUPPORTED AT TOP TO STRUCTURAL MEMBERS WITH CLIPS @ 3'-0" (900mm) c/c AS MANUFACTURED BY SIMPSON. LEAVE MINIMUM 1/2" (13mm) GAP BETWEEN WALL AND STRUCTURAL MEMBERS AT TOP OF WALL.
- ALL WOOD BUILT-UP LINTELS SHALL BE NAILED TOGETHER WITH TWO ROWS OF NAILS STAGGERED.
- PROVIDE MINIMUM 2 JACK STUDS UNDER EACH LINTEL ON EACH SIDE OF OPENINGS (U.N.O.).
- PROVIDE MINIMUM (2) 2x6 (38x140) TOP PLATES TO SUPPORT ROOF JOISTS UNLESS SHOWN OTHERWISE ON PLAN.
- GENERAL CONTRACTOR IS TO PROVIDE TEMPORARY SUPPORT AND BRACING AS REQUIRED WHILE CONSTRUCTION IS IN PROGRESS.
- CONTRACTOR IS RESPONSIBLE TO CHECK AND VERIFY ALL DIMENSIONS AND ELEVATIONS ON SITE, AND COORDINATE WITH ARCH. DRAWINGS. IF ANY DISCREPANCY, CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE OWNER BEFORE PROCEEDING WITH THE WORK.
- IF THERE IS ANY DISCREPANCY BETWEEN THE ARCH. AND STRUCTURAL DRAWINGS AND SPECIFICATIONS, THE MOST STRINGENT CONDITIONS SHALL GOVERN.
- BUILT-UP BEAMS SHALL BE BOLTED TO COLUMN WITH STEEL PLATES.
- PROVIDE BLOCKING AT ALL SHEATHING JOINTS.
- USE PRE-FABRICATED HANGERS AND CONNECTORS WHERE APPLICABLE, UNLESS NOTED OTHERWISE ON DRAWINGS. CONTRACTOR SHALL NOT USE TOE-NAIL CONNECTIONS WITHOUT EXPRESS PERMISSION.
- PROVIDE 38x89 BRIDGING OR BLOCKING AT BOTTOM OF ROOF JOISTS AT MAX. 2438mm c/c IF CEILING IS NOT DIRECTLY ATTACHED TO STRAPPING AT BOTTOM OF JOISTS.
- CONTRACTOR SHALL CONFIRM COMPATIBILITY BETWEEN PRESSURE TREATED FINISH AND FASTENERS, WHERE APPLICABLE.

STRUCTURAL STEEL

- ALL HOT ROLLED ANGLES, PLATES AND OTHER SHAPES SHALL BE NEW TO CAN/CSA G40.21 GRADE 350W.
- BOLTS, NUTS, AND WASHERS: TO ASTM A409.
- ALL ANCHOR BOLTS TO ASTM A307.
- STEEL WORKS IN ACCORDANCE WITH THE LATEST EDITION OF CAN/CSA - S16.1.
- WELDING MATERIALS: COMPLIANT WITH THE W59 STANDARD.
- ALL STEEL MATERIAL EXPOSED TO WEATHER, INCLUDING BRACKETS, HARDWARE AND INSERTS TO BE HOT-DIP GALVANIZED AFTER FABRICATION INTO COMPLETE ASSEMBLIES. FABRICATING ASSEMBLIES FROM GALVANIZED MATERIAL IS NOT ACCEPTABLE.
- GALVANIZATION: HOT-DIPPED, AS PER CAN/CSA-G164. MINIMUM 600 g/m2.
- TOUCH-UPS FOR GALVANIZED SURFACES: PRIMER RICH IN ZINC, AS PER STANDARD ONGC-1-GP-181a.

DESIGN LOADS

- ALL DESIGN LOADS SHALL BE IN ACCORDANCE WITH THE 2015 NATIONAL BUILDING CODE OF CANADA.
- DESIGN LOAD VALUES AS PUBLISHED FOR SUMMERSIDE, PRINCE EDWARD ISLAND, CANADA.
- ROOF DESIGN LOADS ARE AS FOLLOWS:

DEAD LOAD	= 0.5 kPa
TOP CHORD:	
BOTTOM CHORD:	= 0.25 kPa
- WIND UPLIFT TO BE CALCULATED USING A 1 IN 50 REFERENCE VELOCITY PRESSURE OF 0.60 kPa.
- WIND DESIGN: THE LATERAL FORCE RESISTING SYSTEM CONSISTS OF CONCENTRIC BRACED FRAMES DESIGNED FOR THE FOLLOWING LOADS:

q50 = 0.56kPa
Iw = 1.0 (ULS)
Iw = 0.75 (SLS)
Ce = VARIES WITH HEIGHT (EXPOSED SITE CONDITION)
- SNOW DESIGN:

Ss = 3.1kPa
Sr = 0.6kPa
Cw = 1.0
Is = 1.0 (ULS)
Is = 0.9 (SLS)
Cb = 0.8
- SLAB DESIGN LOADS ARE AS FOLLOWS:

DEAD LOAD:	1.0 kPa (+ SELF WEIGHT)
LIVE LOAD:	4.80 kPa

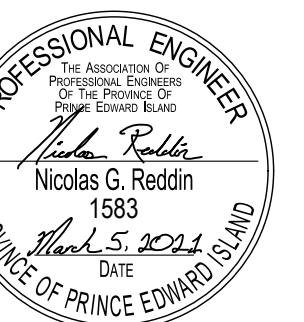


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project	project
CAVENDISH WASHROOM FACILITY	
drawing	desain

CONSTRUCTION NOTES

designed	NR	conçu
date	2020-07-24	
drawn	DB	dessiné
date	2020-07-24	
approved	WE	approuvé
date	2020-07-24	
Tender	Submission	
PWGS&C Project Manager	Administrateur de projets TPSCG	
project number	no. du projet	
drawing no.	no. du dessin	

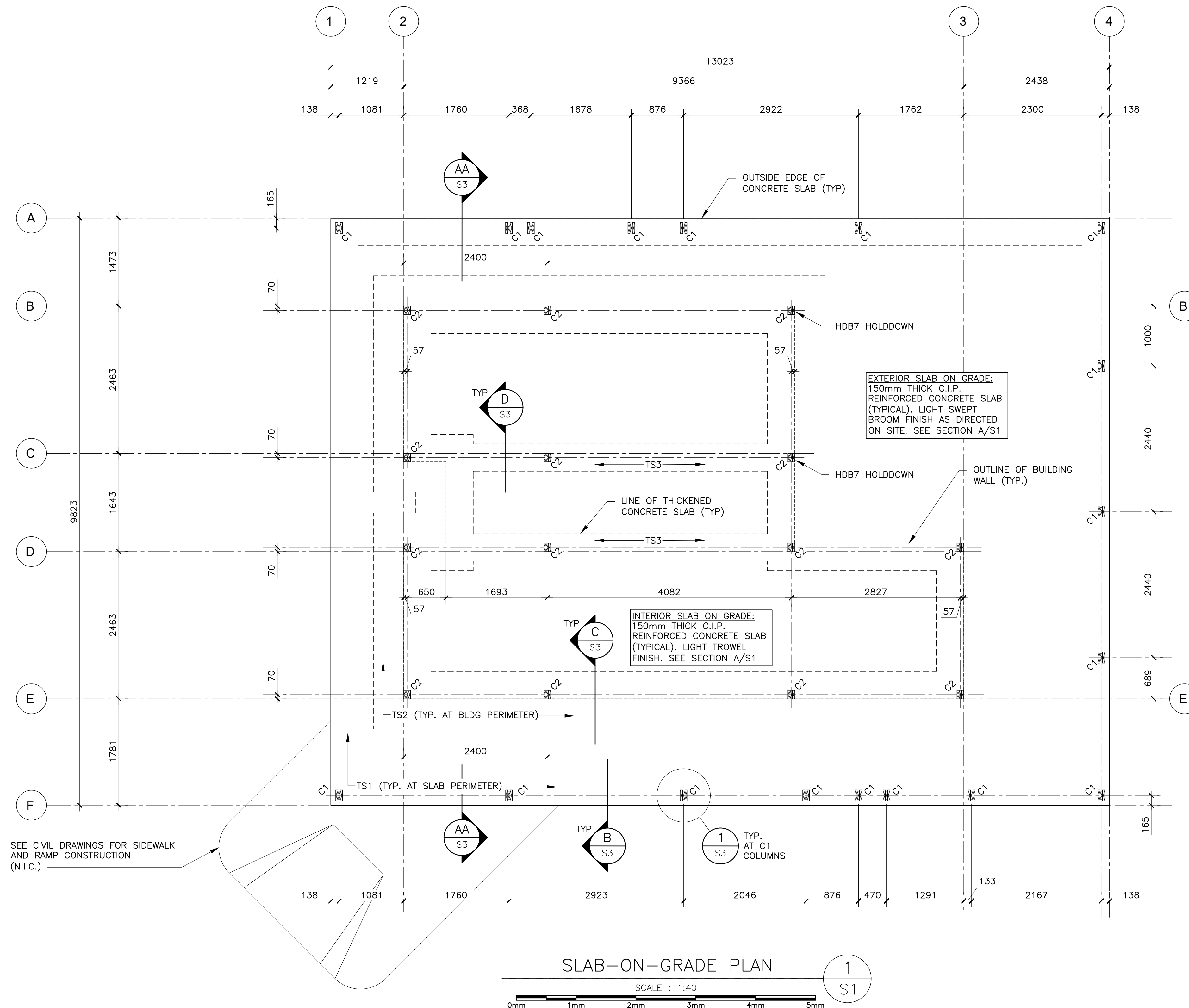
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PLAN NORTH



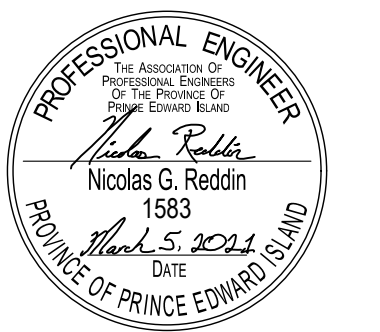
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COLUMN SCHEDULE (C#)

MARK	TYPE	SIZE	CONNECTOR REMARKS
C1	BUILT-UP TIMBER	38x140 BETWEEN 2-38x184	BASE: BP1 - SEE DETAIL 2/S1 TOP: SEE PLAN (BC#)
C2	BUILT-UP TIMBER	3-38x140	BASE: SIMPSON HDB5 (U.N.O.) TOP: SEE PLAN (BC#)

- ALL TIMBER COLUMN MATERIAL: SPF #1. TYPE C1 COLUMNS TO BE PRESSURE TREATED.
- ALL BUILT-UP MEMBERS TO BE NAILED WITH 2 ROWS OF GALV. 90mm NAILS AT MAX. 300 c/c (EACH FACE).
- ALL C1 COLUMN TOP CONNECTORS TO BE FASTENED TO INSIDE PLYS TO REMAIN HIDDEN FROM VIEW.



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CAVENDISH WASHROOM FACILITY

drawing		desin
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STRUCTURAL PLAN SLAB-ON-GRADE

designed	NR	conçu
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date	2020-07-24	
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drawn	DB	dessiné
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date	2020-07-24	
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approved	WE	approuvé
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date	2020-07-24	
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Tender		Submission
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PWGSC Project Manager	Administrateur de projets TPSCG	
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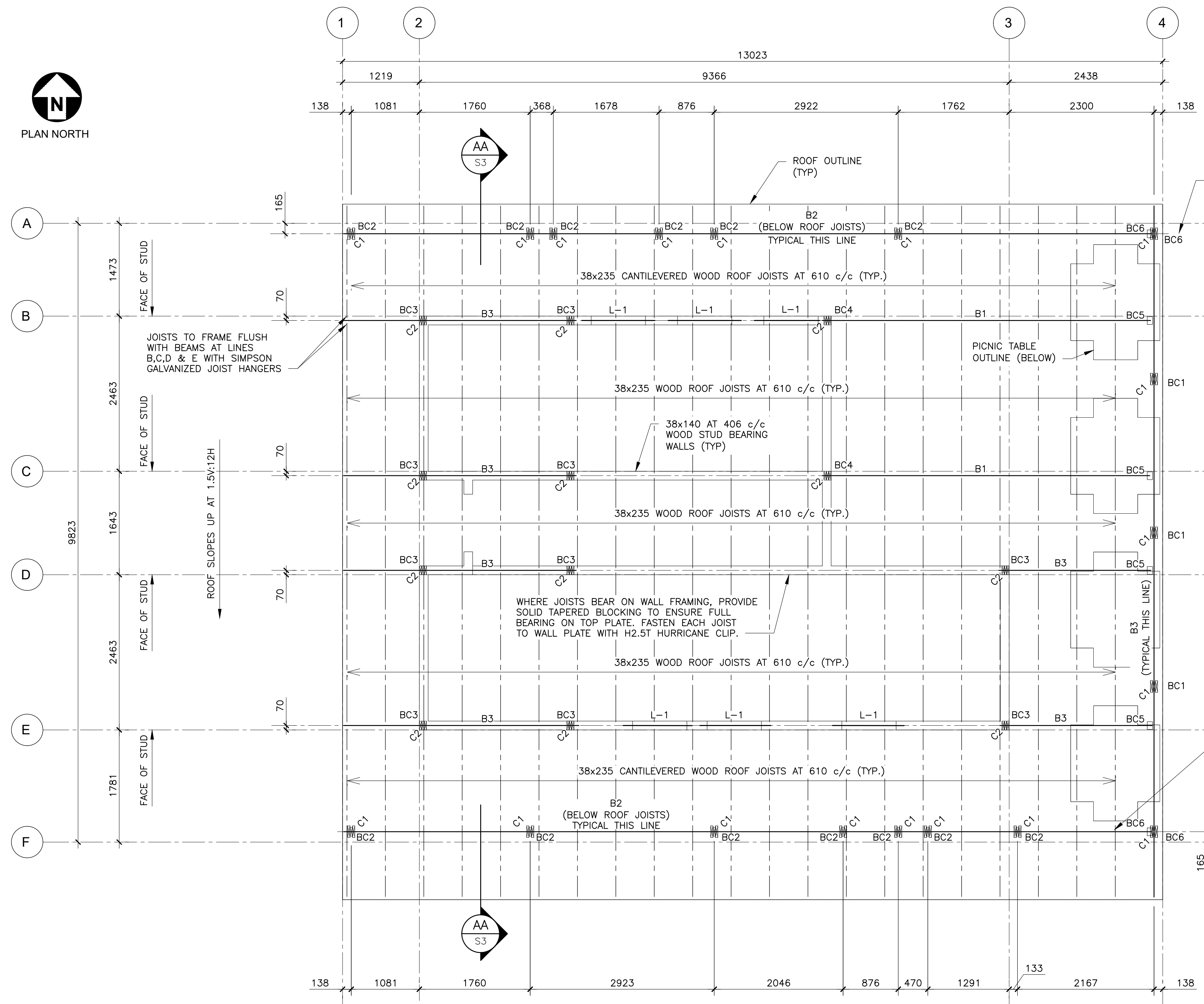
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S1

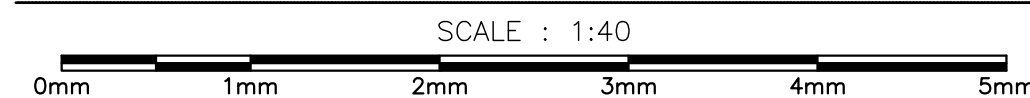


PLAN NORTH



ROOF FRAMING PLAN

1 S2



COLUMN SCHEDULE (C#)

MARK	TYPE	SIZE	CONNECTOR	REMARKS
C1	BUILT-UP TIMBER	38x140 BETWEEN 2-38x184	BASE: BP1 - SEE DETAIL 2/S1 TOP: SEE PLAN (BC#)	
C2	BUILT-UP TIMBER	3-38x140	BASE: SIMPSON HDB5 (U.N.O.) TOP: SEE PLAN (BC#)	

- ALL TIMBER COLUMN MATERIAL: SPF #1. TYPE C1 COLUMNS TO BE PRESSURE TREATED.
- ALL BUILT-UP MEMBERS TO BE NAILED WITH 2 ROWS OF GALV. 90mm NAILS AT MAX. 300 c/c (EACH FACE).
- ALL C1 COLUMN TOP CONNECTORS TO BE FASTENED TO INSIDE PLIES TO REMAIN HIDDEN FROM VIEW.

LINTEL SCHEDULE (L#)

MARK	TYPE	SIZE	END CONNECTION
L1	BUILT-UP TIMBER	3-38x140	EA. END: CMSTC-16 (2 LEGS) 8-90mm NAILS/LEG

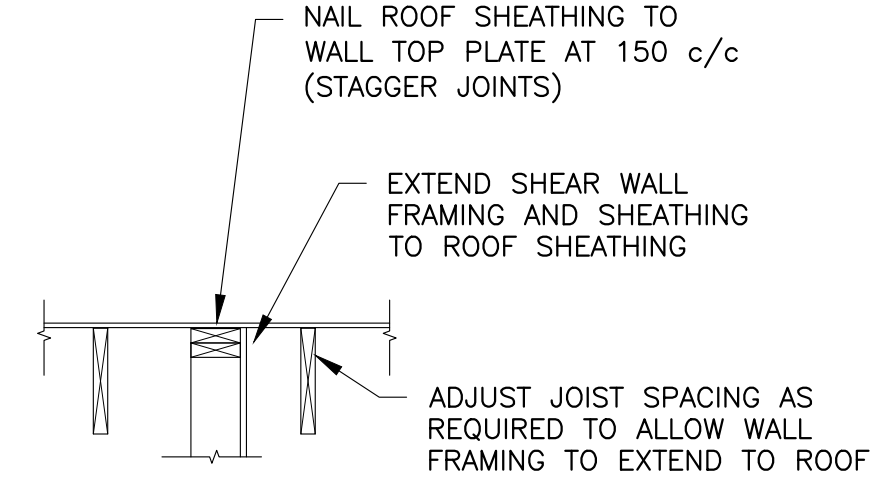
- ALL TIMBER LINTEL MATERIAL: SPF #1.
- PROVIDE MINIMUM 1 - 38x140 JACK STUD UNDER EACH END OF ALL LINTELS (UNLESS NOTED OTHERWISE).
- BUILT-UP LINTELS TO BE NAILED TOGETHER w/ 2 ROWS OF 90mm NAILS AT 305 c/c STAGGERED AT EACH SIDE OF LINTEL.

BEAM SCHEDULE (B#)

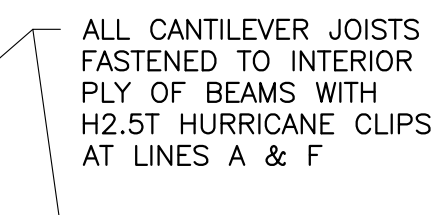
MARK	TYPE	SIZE	REMARKS
B1	BUILT-UP TIMBER	3 PLY 1 1/2" LVL GRADE 2.0E	END CONNECTION AT B3 BEAM: BC5
B2	BUILT-UP TIMBER	4-38x235	MATERIAL: SPF #1. (P.T.)
B3	BUILT-UP TIMBER	3-38x235	MATERIAL: SPF #1.

- ALL TIMBER BEAM MATERIAL: SPF #1. TYPE B2 BEAMS TO BE PRESSURE TREATED.
- CONNECT TO COLUMNS WITH HEAVY DUTY UPLIFT CONNECTORS (SEE COLUMN REMARKS).
- BUILT-UP BEAMS TO BE SCREWED TOGETHER w/ 2 ROWS OF SIMPSON STRONG-DRIVE SDWS SCREWS AT 305 c/c STAGGERED AT EACH SIDE OF BEAM.

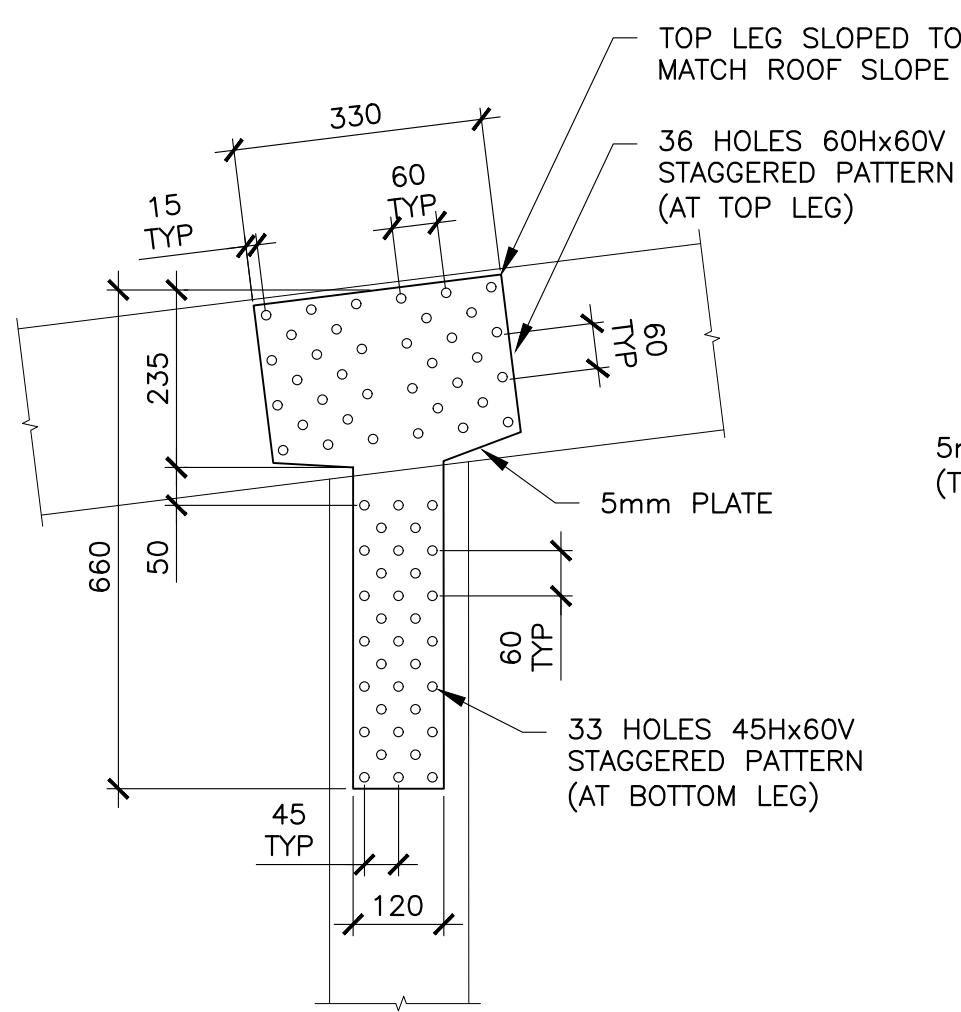
BEAM TO COLUMN CONNECTION (TYP.). SEE TABLE AND DETAILS ON THIS DRAWING



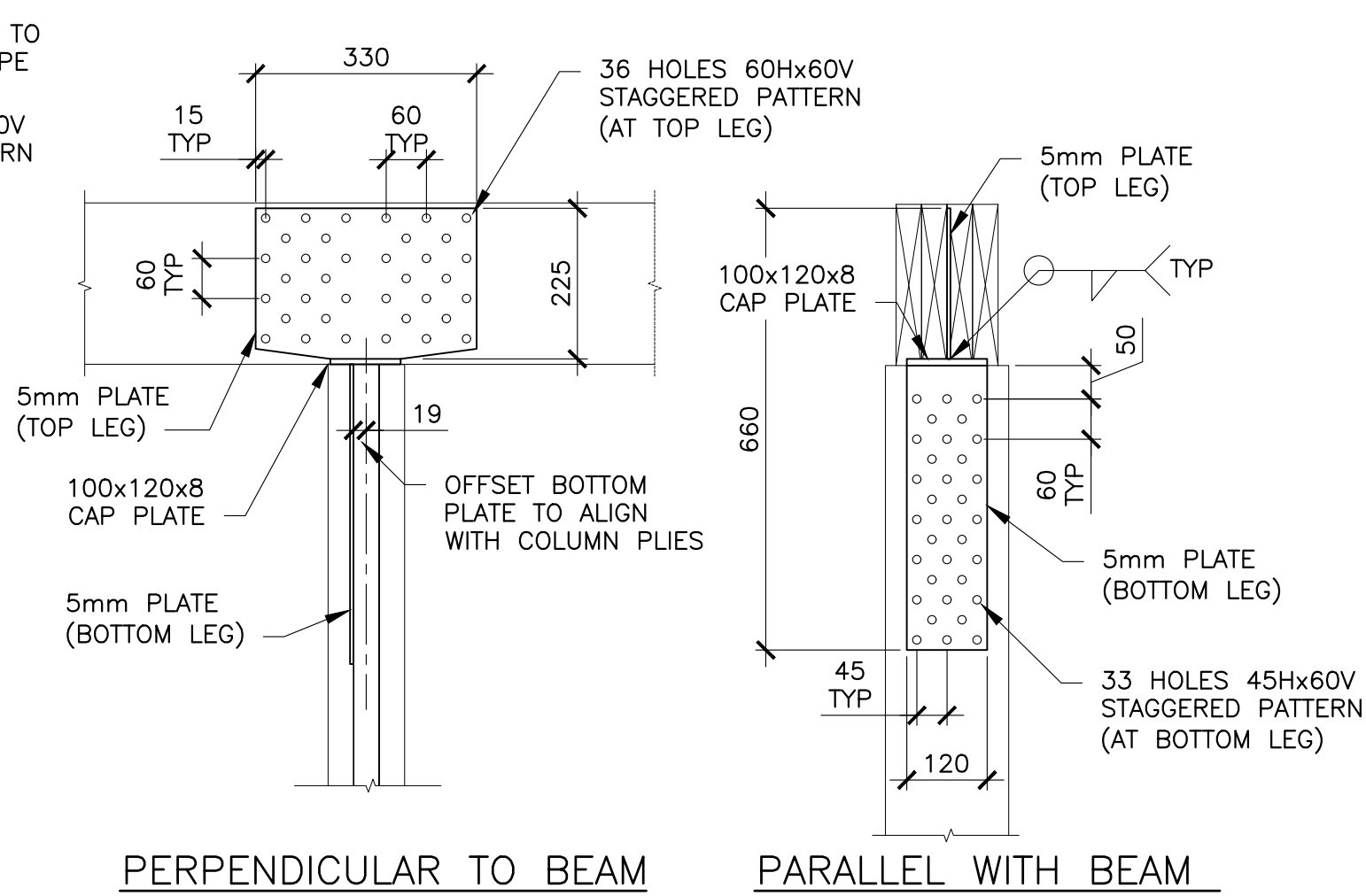
SHEAR WALL AT ROOF



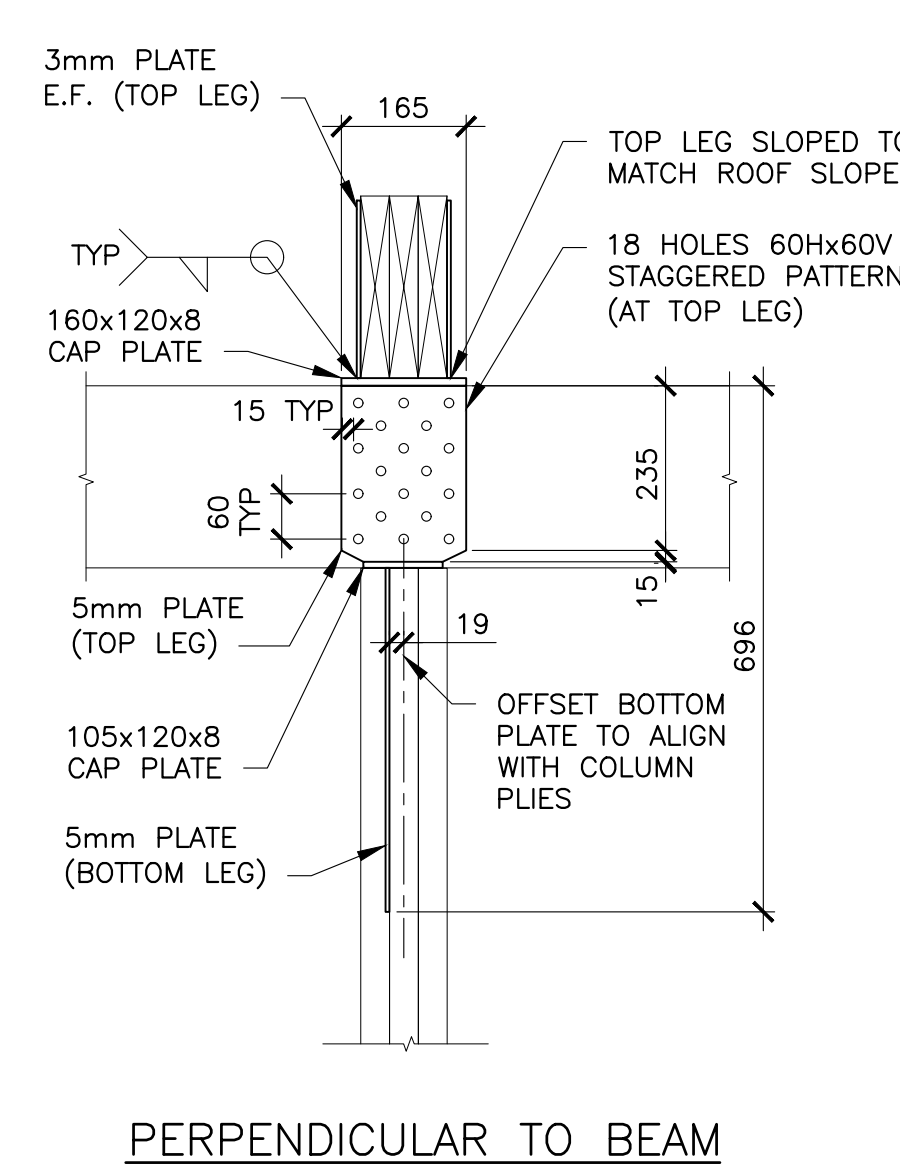
CANTILEVER JOISTS



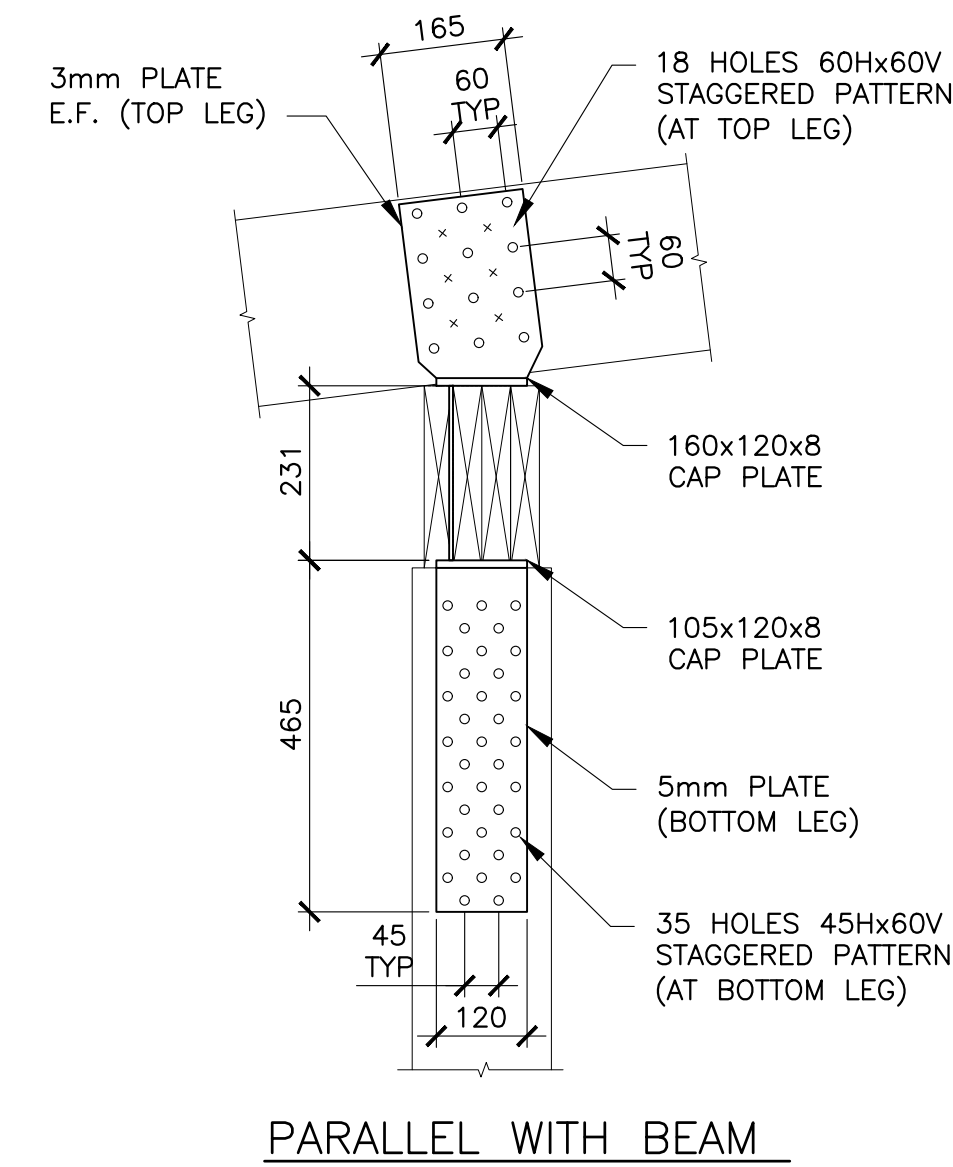
BC1



BC2



PERPENDICULAR TO BEAM



PARALLEL WITH BEAM

BC6

E.F. = EACH FACE

BEAM TO COLUMN CONNECTION SCHEDULE (BC# - SEE PLAN)

MARK	TYPE	MODEL	REMARKS
BC1	5mm PLATE (SEE DETAIL)		1 PLATE PER CONNECTION FILL ALL HOLES WITH 64mm NAILS
BC2	5mm PLATE (SEE DETAIL)		1 PLATE PER CONNECTION FILL ALL HOLES WITH 64mm NAILS
BC3	SIMPSON	CMSTC-16 STRAP	2 LEGS (WRAP OVER BEAM) 12 NAILS INTO COLUMN PER LEG
BC4	SIMPSON	CMSTC-16 STRAP	2 LEGS (WRAP OVER BEAM) 26 NAILS INTO COLUMN PER LEG
BC5	SIMPSON	HGUS-5.50/12	
BC6	5mm PLATE (SEE DETAIL)		1 PLATE PER CONNECTION FILL ALL HOLES WITH 64mm NAILS

- ALL MATERIAL TO BE HOT DIP GALVANIZED AFTER FABRICATION.
- ALL MANUFACTURED CONNECTORS TO BE INSTALLED AS PER MANUFACTURERS SPECIFICATIONS.
- ALL BC1 AND BC2 CONNECTORS TO BE FASTENED TO INSIDE PLIES OF POSTS AND BEAMS TO REMAIN HIDDEN FROM VIEW. ROUTER SLOTS INTO TIMBER MEMBERS FOR FLUSH FIT WITHIN COMPONENTS.



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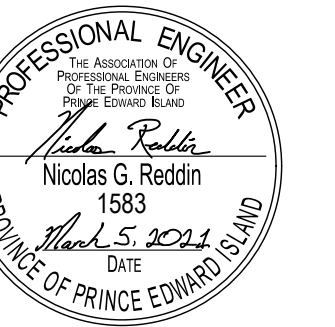
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- ALL TIMBER LINTEL MATERIAL: SPF #1.
- PROVIDE MINIMUM 1 - 38x140 JACK STUD UNDER EACH END OF ALL LINTELS (UNLESS NOTED OTHERWISE).
- BUILT-UP LINTELS TO BE NAILED TOGETHER w/ 2 ROWS OF 90mm NAILS AT 305 c/c STAGGERED AT EACH SIDE OF LINTEL.

BEAM SCHEDULE (B#)

MARK	TYPE	SIZE	REMARKS
B1	BUILT-UP TIMBER	3 PLY 1 1/2" LVL GRADE 2.0E	END CONNECTION AT B3 BEAM: BC5
B2	BUILT-UP TIMBER	4-38x235	MATERIAL: SPF #1. (P.T.)
B3	BUILT-UP TIMBER	3-38x235	MATERIAL: SPF #1.

- ALL TIMBER BEAM MATERIAL: SPF #1. TYPE B2 BEAMS TO BE PRESSURE TREATED.
- CONNECT TO COLUMNS WITH HEAVY DUTY UPLIFT CONNECTORS (SEE COLUMN REMARKS).
- BUILT-UP BEAMS TO BE SCREWED TOGETHER w/ 2 ROWS OF SIMPSON STRONG-DRIVE SDWS SCREWS AT 305 c/c STAGGERED AT EACH SIDE OF BEAM.



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revisions

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CAVENDISH WASHROOM FACILITY

STRUCTURAL PLAN ROOF FRAMING

designed NR

date 2020-07-24

drawn DB

date 2020-07-24

approved WE

date 2020-07-24

Tender PWGSC Project Manager

Administrateur de projets TPSCG

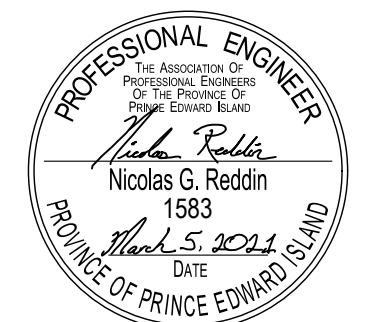
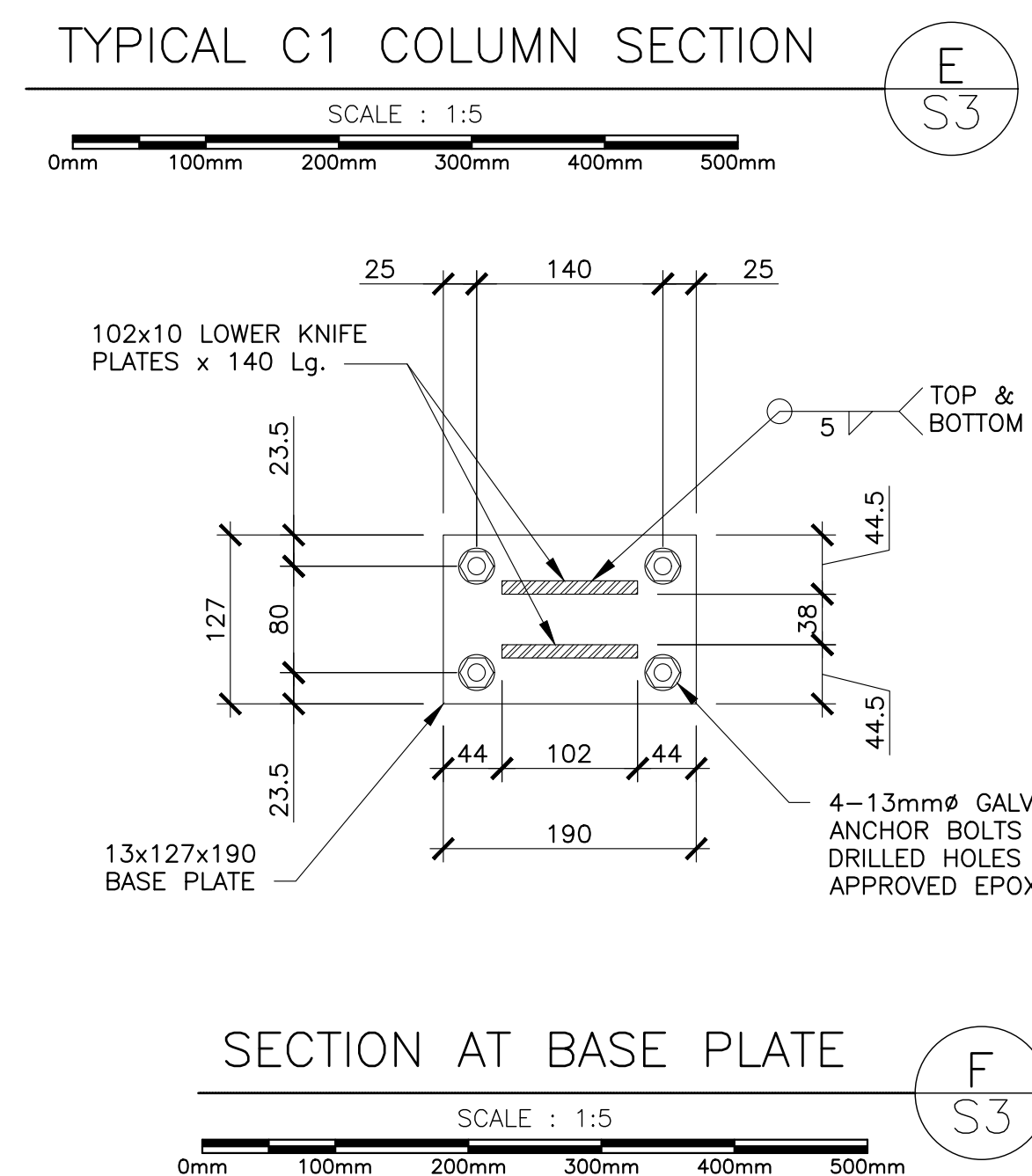
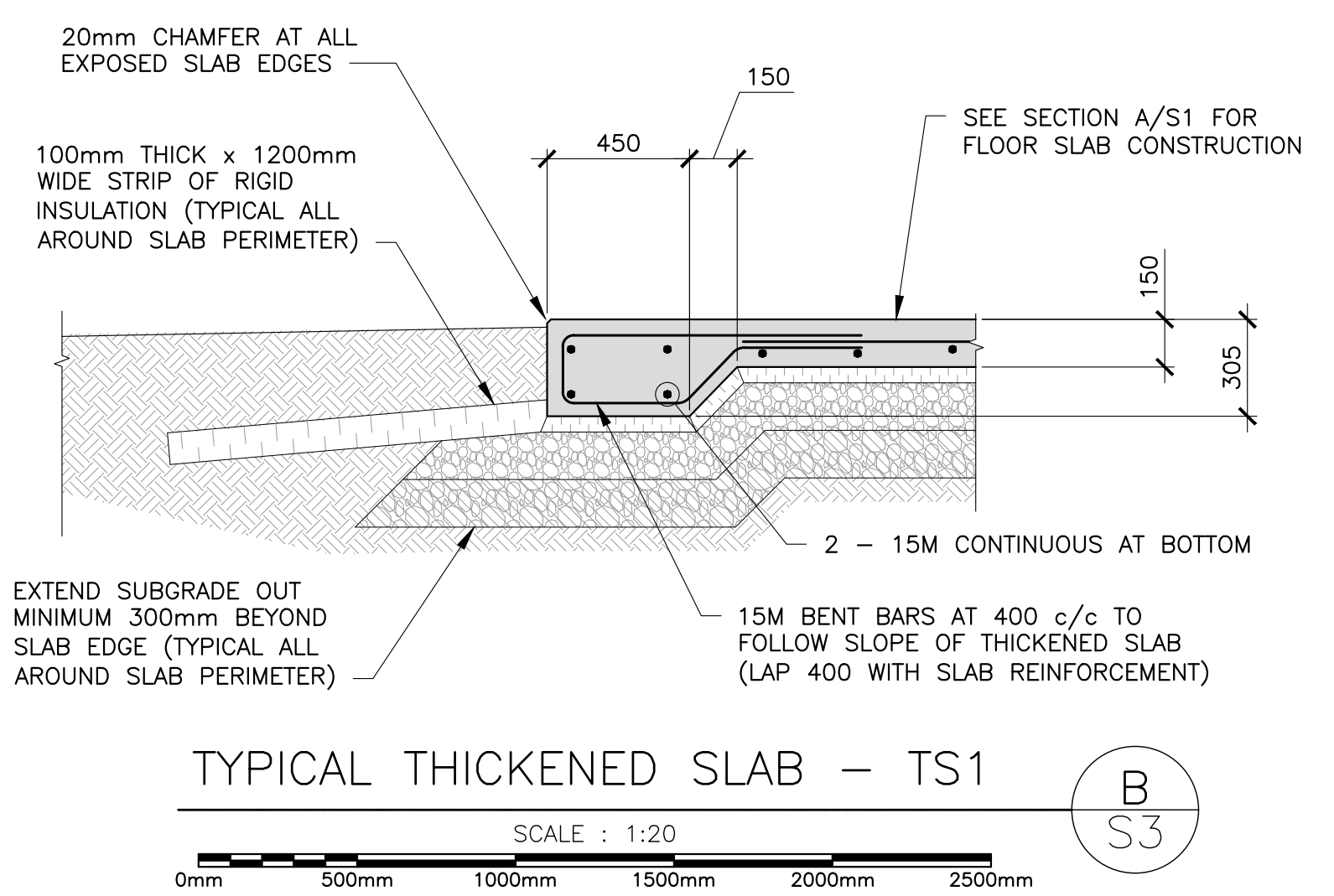
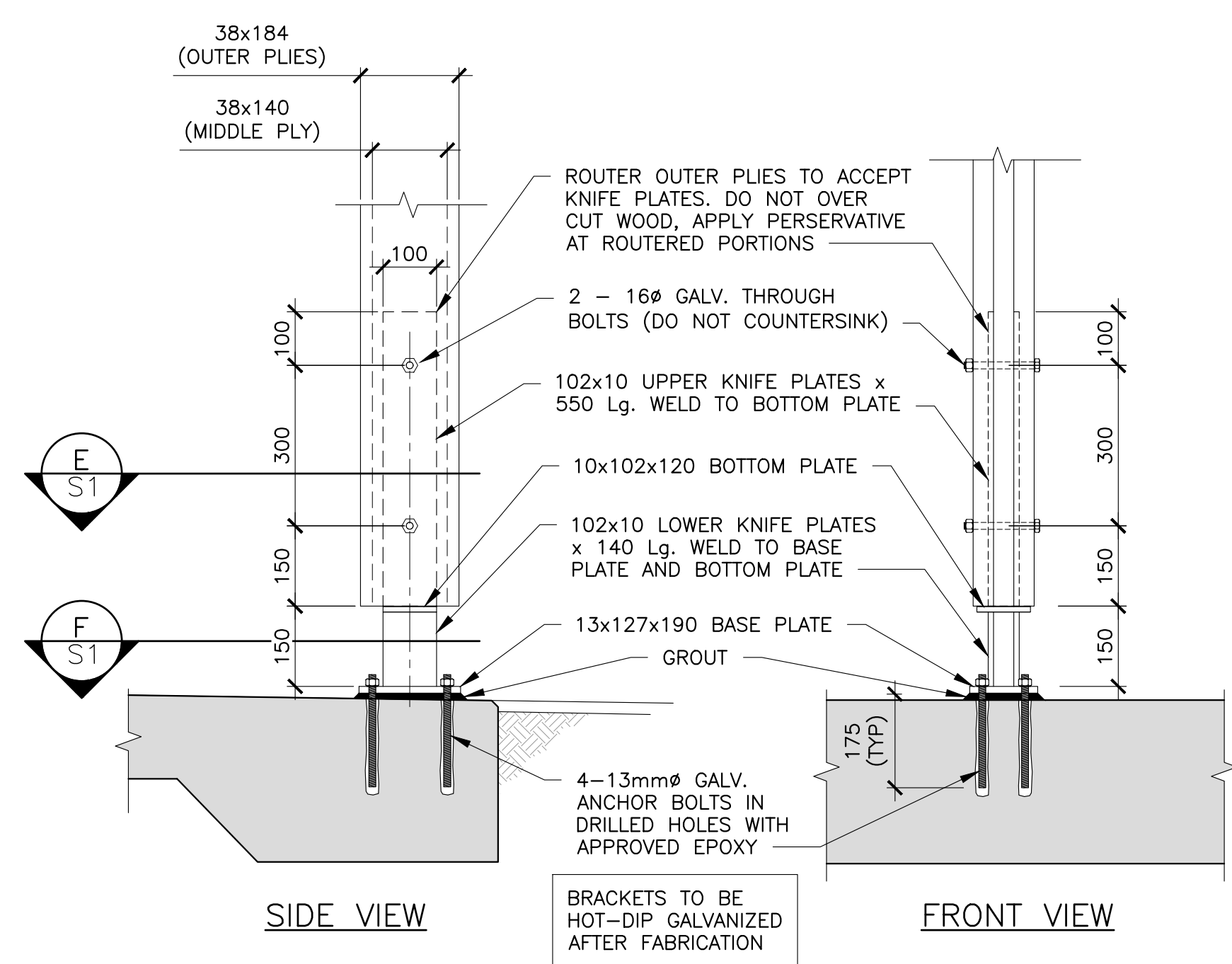
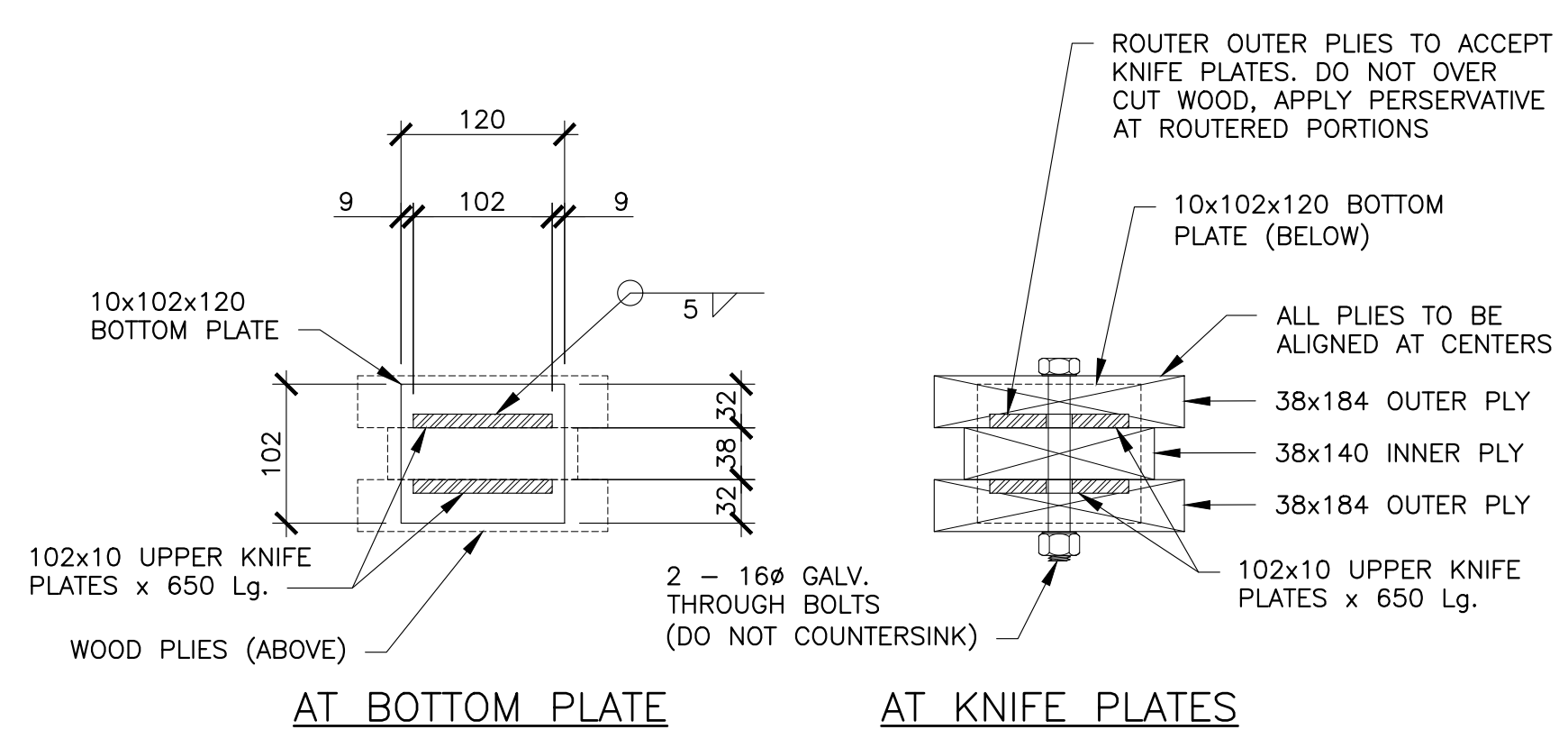
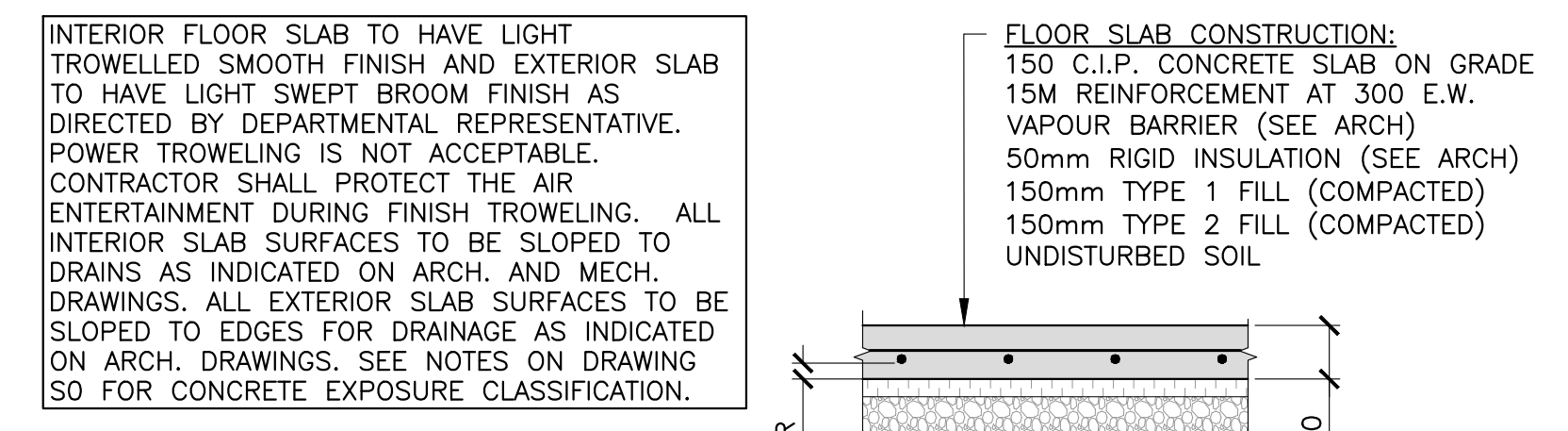
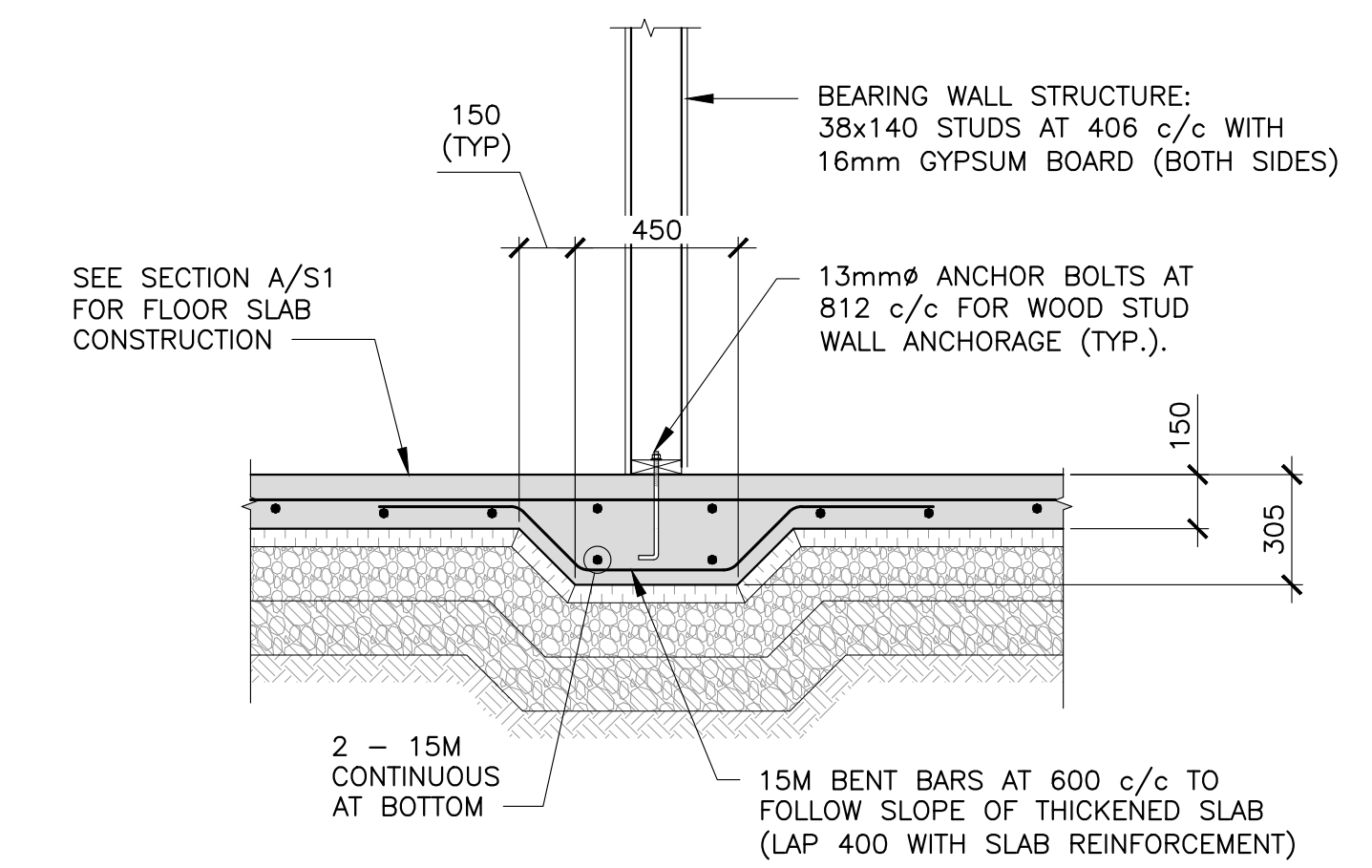
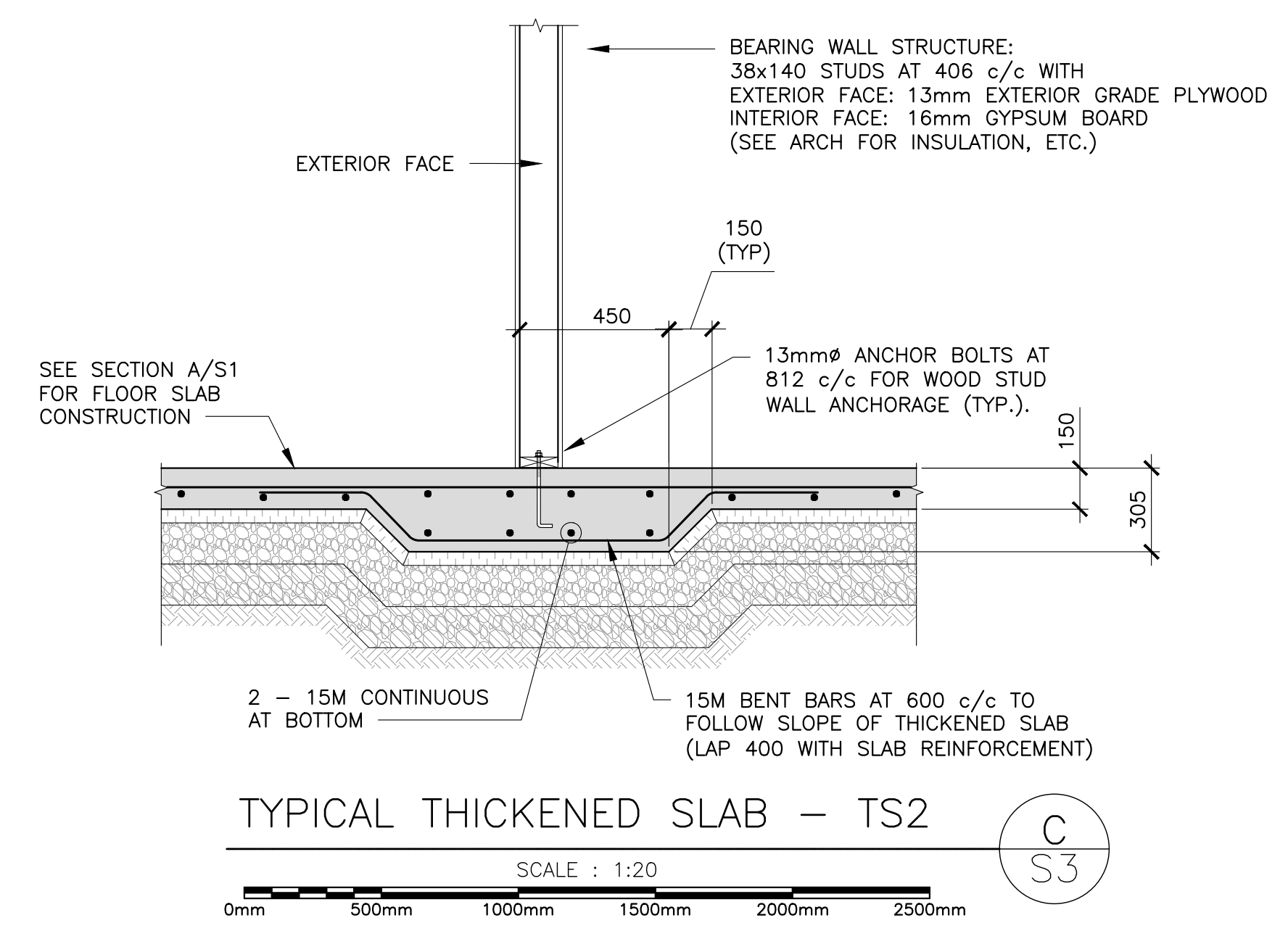
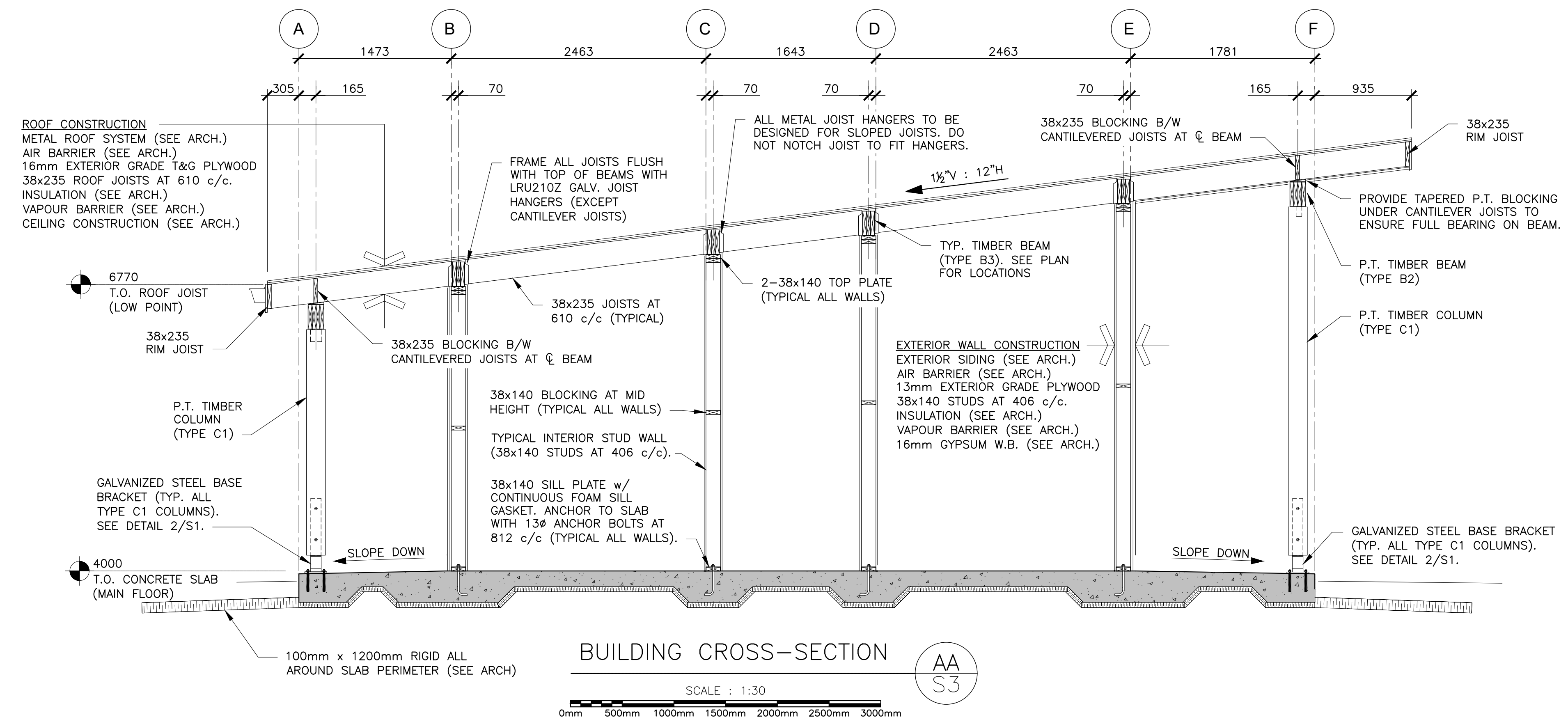
project number

no. du projet

drawing no.

no. du dessin

S2



0	ISSUED FOR TENDER	2021-03-05
revisions		date

project **CAVENDISH WASHROOM FACILITY**

drawing **CROSS-SECTION & CONSTRUCTION DETAILS**

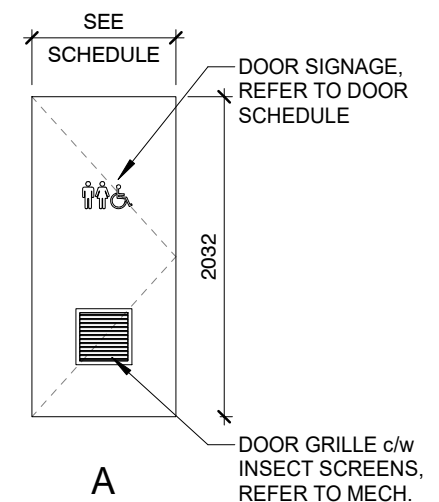
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date	2020-07-24	
drawn	DB	designé
date	2020-07-24	
approved	WE	approuvé
date	2020-07-24	
Tender		Submission
PWGC Project Manager		Administrateur de projets TPSCG
project number		no. du projet

drawing no. **S3** no. du dessin

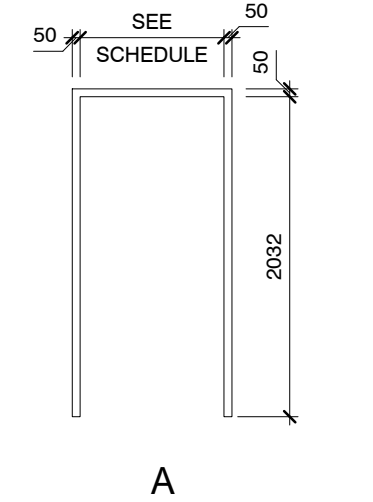
DOOR SCHEDULE

DOOR NUMBER	DOOR STYLE	DOOR PANEL			DOOR FRAME			COMMENTS	
		PANEL WIDTH	PANEL HEIGHT	MATERIAL	FINISH	MATERIAL	STYLE		FINISH
D01	A	762	2032	FG	SEE SPEC	WD	A	PT	SIGNAGE: MALE + FEMALE
D02	A	762	2032	FG	SEE SPEC	WD	A	PT	
D03	A	762	2032	FG	SEE SPEC	WD	A	PT	SIGNAGE: MALE + FEMALE
D04	A	762	2032	FG	SEE SPEC	WD	A	PT	
D05	A	914	2032	FG	SEE SPEC	WD	A	PT	SIGNAGE: BARRIER FREE + MALE + FEMALE
D06	A	914	2032	FG	SEE SPEC	WD	A	PT	
D07	A	762	2032	FG	SEE SPEC	WD	A	PT	SIGNAGE: MALE + FEMALE
D08	A	762	2032	FG	SEE SPEC	WD	A	PT	
D09	A	762	2032	FG	SEE SPEC	WD	A	PT	SIGNAGE: BARRIER FREE + MALE + FEMALE
D10	A	914	2032	FG	SEE SPEC	WD	A	PT	

DOOR STYLE



FRAME STYLE



DOOR SCHEDULE ABBREVIATIONS

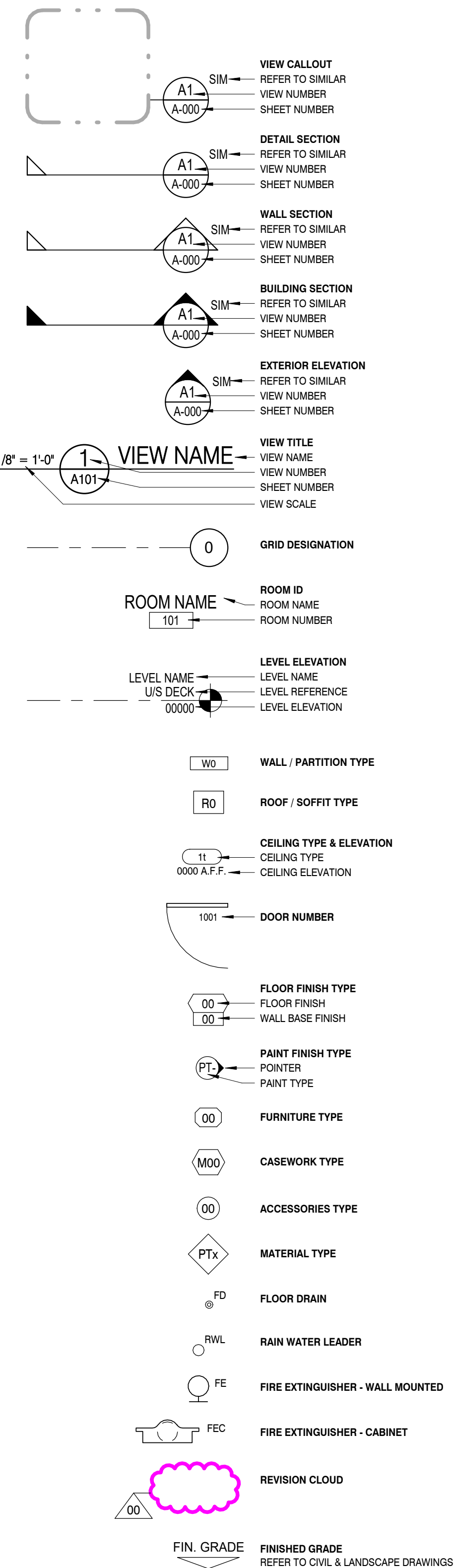
- PANEL MATERIALS**
FG FIBREGLASS
- PANEL FINISH**
SEE SPEC REFER TO SPECIFICATION
- FRAME MATERIALS**
WD WOOD
- FRAME FINISH**
PT PAINT

GENERAL CONSTRUCTION NOTES

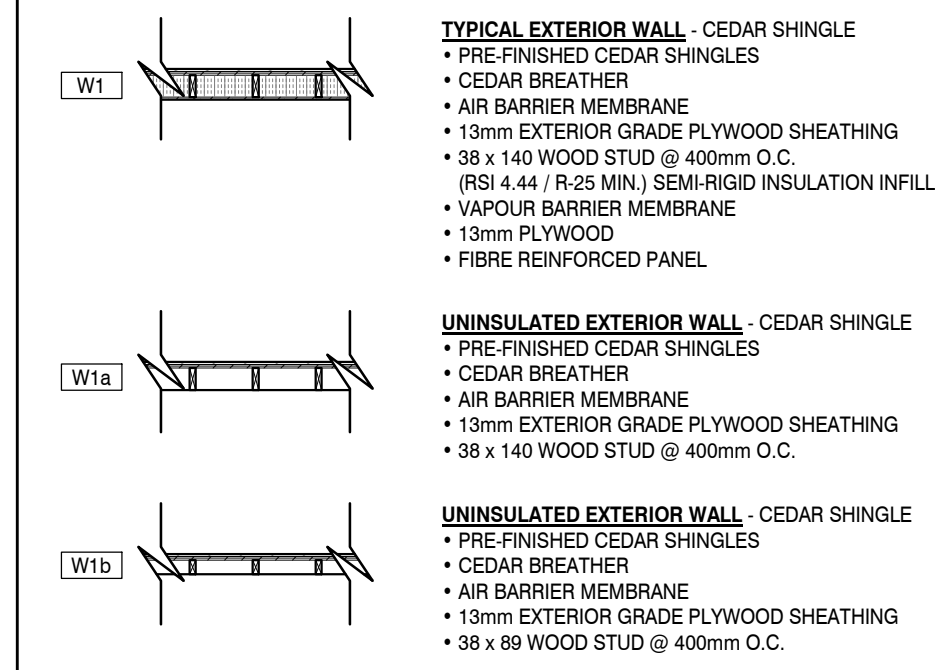
- CONFIRM ALL DIMENSIONS AND ACTUAL CONDITIONS ON SITE PRIOR TO CONSTRUCTION.
- REPORT ANY DISCREPANCIES TO THE CONSULTANTS PRIOR TO PROCEEDING WITH WORK.
- ALL WORK AND MATERIALS TO CONFORM TO THE REQUIREMENTS OF THE NATIONAL BUILDING CODE OF CANADA - LATEST EDITION.
- ALL EXTERIOR DIMENSIONS ARE TO OUTSIDE FACE OF WOOD STUD, CENTER LINE OF DOOR ROUGH OPENINGS, TYPICAL UNLESS NOTED OTHERWISE.
- ALL INTERIOR DIMENSIONS ARE TO CENTERLINE OF INTERIOR WOOD STUD FRAMING, UNLESS NOTED OTHERWISE.
- ALL INTERIOR PARTITIONS TO EXTEND UP TO UNDERSIDE OF ROOF STRUCTURE ABOVE, UNLESS NOTED OTHERWISE.
- ALL GYPSUM BOARD TO BE MOISTURE RESISTANT.
- FOR PARTITIONS WITH TILE FINISH, REPLACE GYPSUM BOARD WITH TILE BACKER BOARD OF EQUAL THICKNESS.
- REFER TO SPECIFICATION FOR SOLID WOOD BLOCKING WALL REINFORCEMENT REQUIREMENTS & LOCATIONS, REFER ALSO TO WALL MOUNTED ACCESSORIES LEGEND ON DRAWINGS A0.
- ENSURE ADEQUATE WOOD BLOCKING IS INSTALLED IN ROOF STRUCTURE TO SUPPORT ALL CEILING MOUNTED ITEMS (COORDINATE WITH MECHANICAL).
- CONFIRM ALL DOOR FRAME SIZE REQUIREMENTS WITH SUPPLIER AND WITH ROUGH OPENINGS ON SITE.
- CONTRACTOR TO DO ALL CUTTING AND PATCHING AS REQUIRED FOR MECHANICAL AND ELECTRICAL SERVICES.
- PROVIDE 100MM HIGH CONCRETE HOUSE KEEPING PAD TO ALL FLOOR MOUNTED EQUIPMENT (COORDINATE WITH MECHANICAL).
- SLOPE FLOORS TO ALL FLOOR DRAINS INDICATED ON MECHANICAL DRAWINGS, AND AS INDICATED.
- ALL EXTERIOR STEEL FABRICATION EXPOSED TO VIEW TO BE HOT-DIPPED GALVANIZED.
- ALL DUCTWORK IN WASHROOM/SHOWER AREAS TO BE EXPOSED, FINISH LEVEL AND NEAT, C/W PAINT FINISH, COLOUR TBD. (REFER TO MECHANICAL).
- ALL EXPOSED MECHANICAL AND ELECTRICAL EQUIPMENT AND SERVICES TO BE ENCLOSED WITH STEEL STUD FRAMING AND GYPSUM BOARD OR CONCRETE BLOCK TO MATCH ADJACENT PARTITION FINISH. PROVIDE MINIMUM DIMENSIONS FOR FURRING SPACES, COORDINATE WITH MECHANICAL AND ELECTRICAL SERVICES.
- WHERE PARTITION REFERENCE NUMBER IS NOTED IN PARTITION TYPE LEGEND, THE PARTITION ASSEMBLY "NBC" IS BASED UPON THE REFERENCED WALL NUMBER AS DESCRIBED IN TABLE A.6.10.3.1.A OF THE 'NATIONAL BUILDING CODE OF CANADA'. REFERENCE NUMBER "ULC" IS BASED UPON THE REFERENCED ULC ASSEMBLY AS DESCRIBED IN THE UNDERWRITERS LABORATORIES OF CANADA FIRE SEPARATIONS GUIDE.

CODE COMPLIANCE

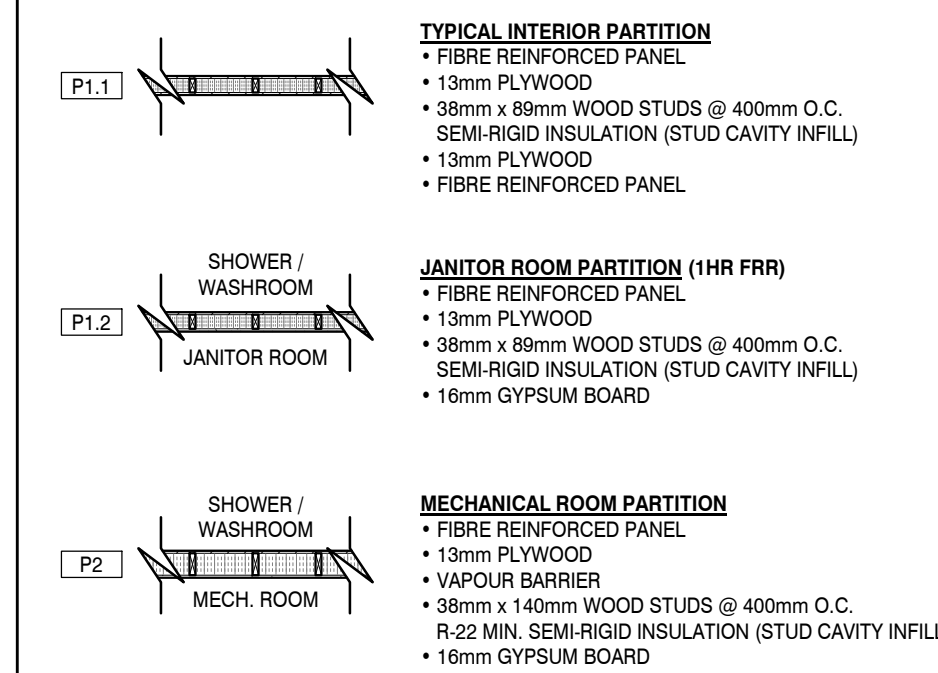
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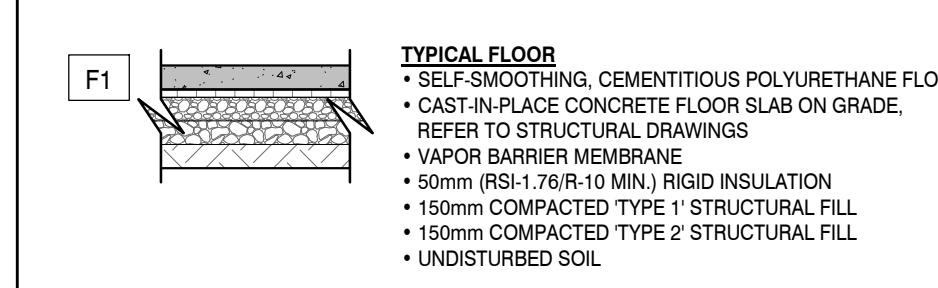
WALL TYPE LEGEND



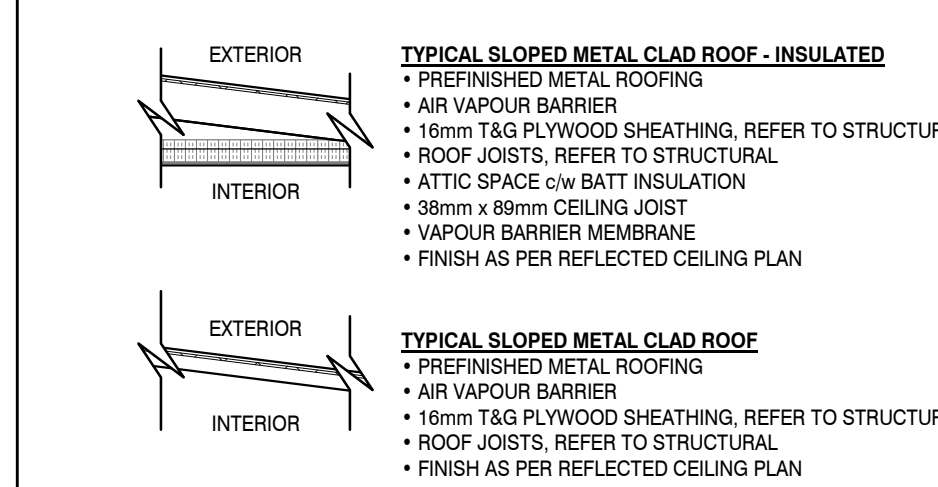
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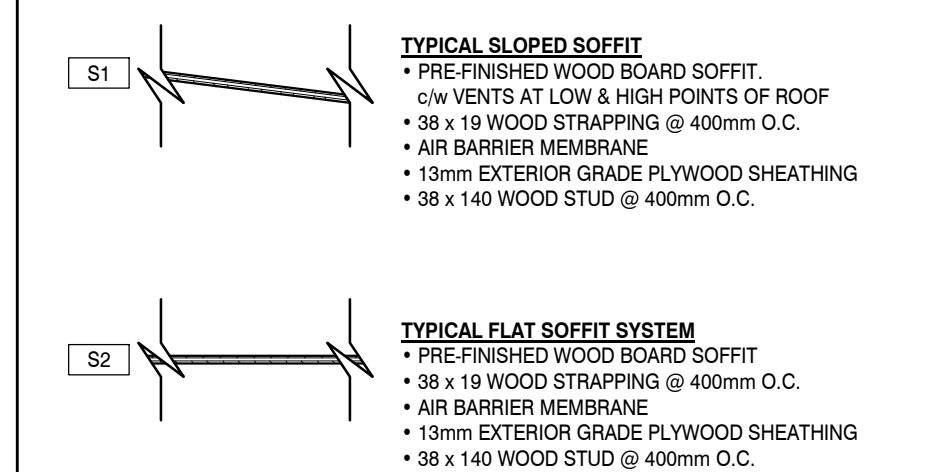
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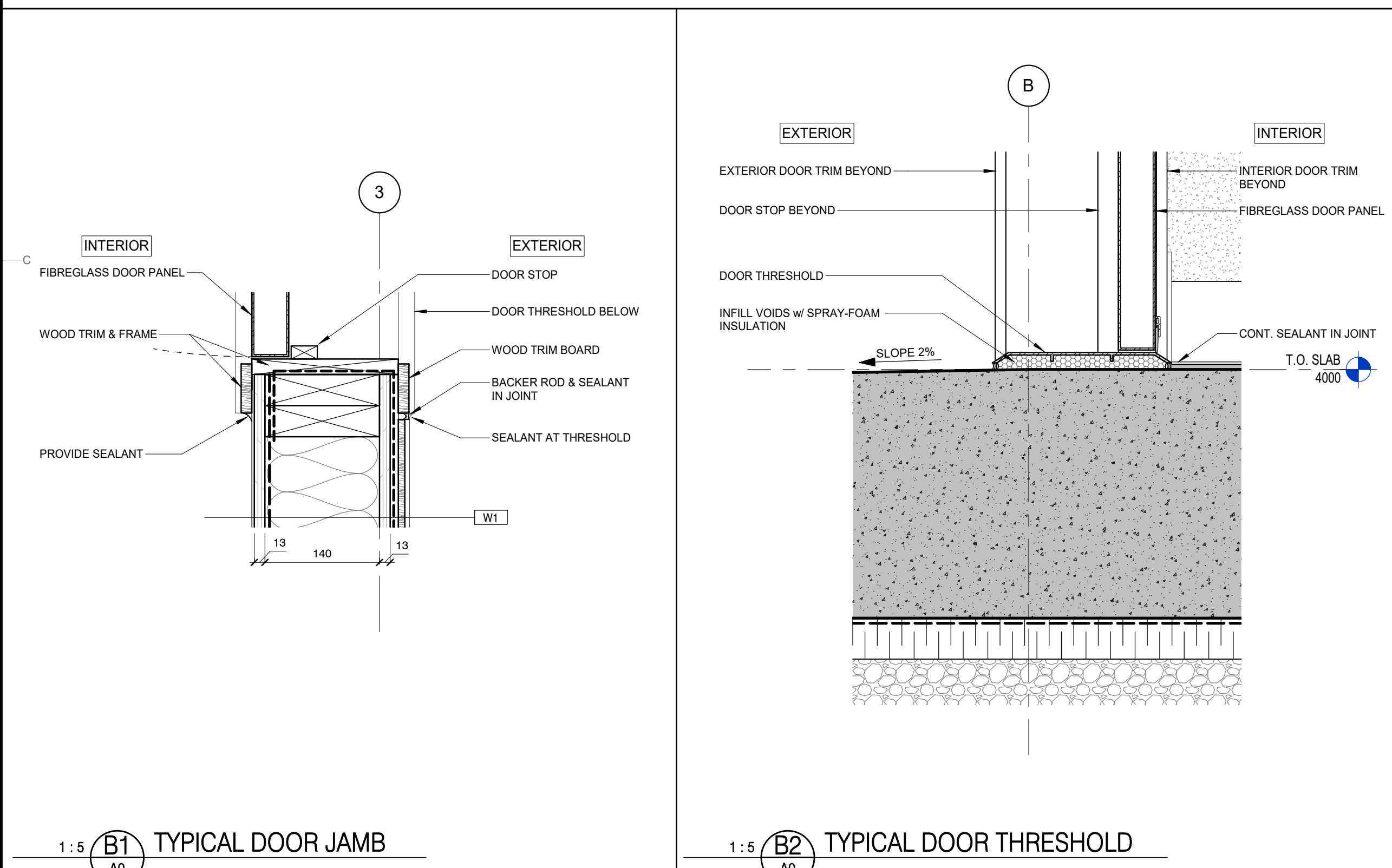
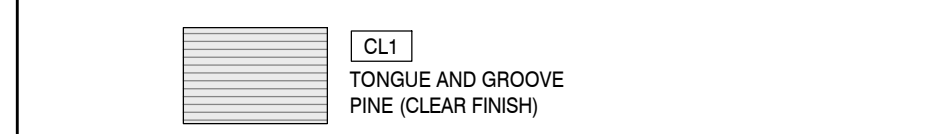
ROOF TYPE LEGEND



SOFFIT TYPE LEGEND

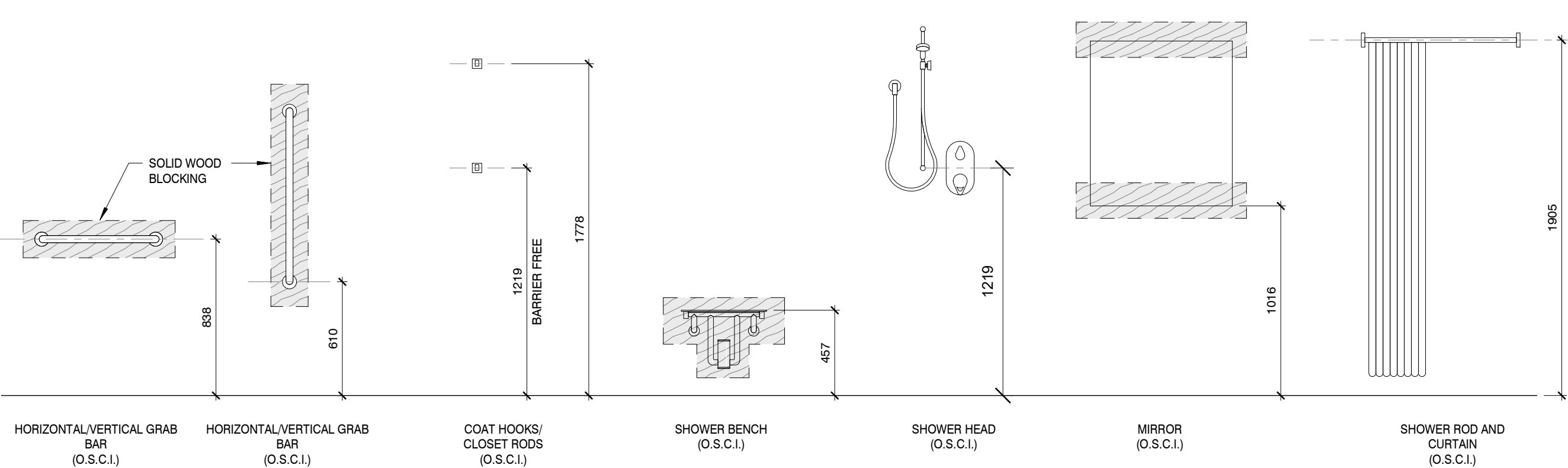


CEILING TYPE LEGEND

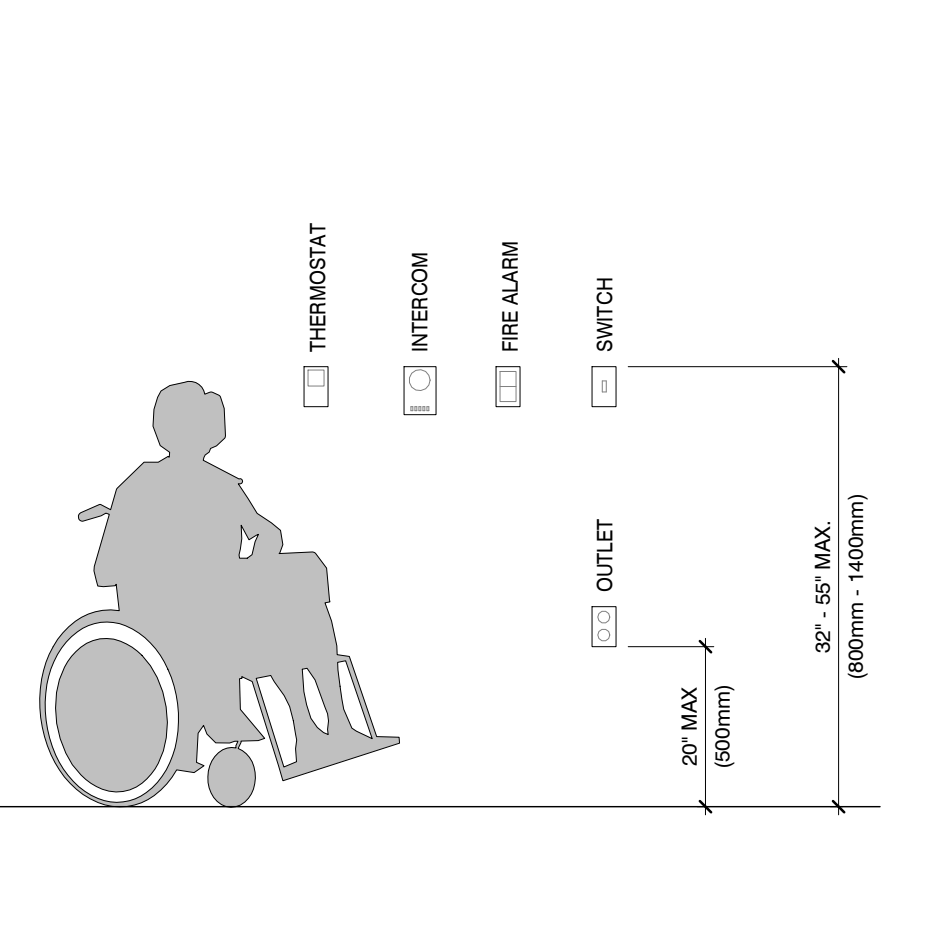


WASHROOM ACCESSORIES LEGEND

NOTE:
SHADED AREAS INDICATE WOOD BLOCKING SUPPORT FOR WOOD STUD WALLS. SECURE TO WALLS AS PER MANUFACTURERS REQUIREMENTS



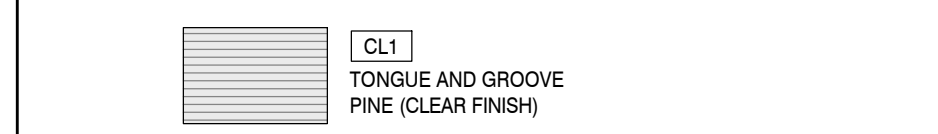
MOUNTING HEIGHTS - CONTROLS



ABBREVIATION LEGEND

- A.F.C. ABOVE FINISHED CEILING
- A.F.F. ABOVE FINISHED FLOOR
- CH CABINET HEATER
- E.O.S. EDGE OF SLAB
- FB FIRE BLANKET
- FE FIRE EXTINGUISHER - WALL MOUNTED
- FEC FIRE EXTINGUISHER CABINET
- FER FIRE ESCAPE ROUTE
- F.O.S. FACE OF STUD SHEATHING
- FD FLOOR DRAIN
- F.R.R. FIRE RESISTANCE RATING
- MAN MANFOLD CABINET
- N.I.C. NOT IN CONTRACT (FOR INFORMATION ONLY)
- N.T.S. NOT TO SCALE
- O.S.C.I. OWNER SUPPLIED, CONTRACTOR INSTALLED
- PB HANDICAPPED PUSH BUTTON
- R.O. ROUGH OPENING
- RWL RAIN WATER LEADER
- TBC TO BE CONFIRMED
- TBD TO BE DETERMINED

CEILING TYPE LEGEND

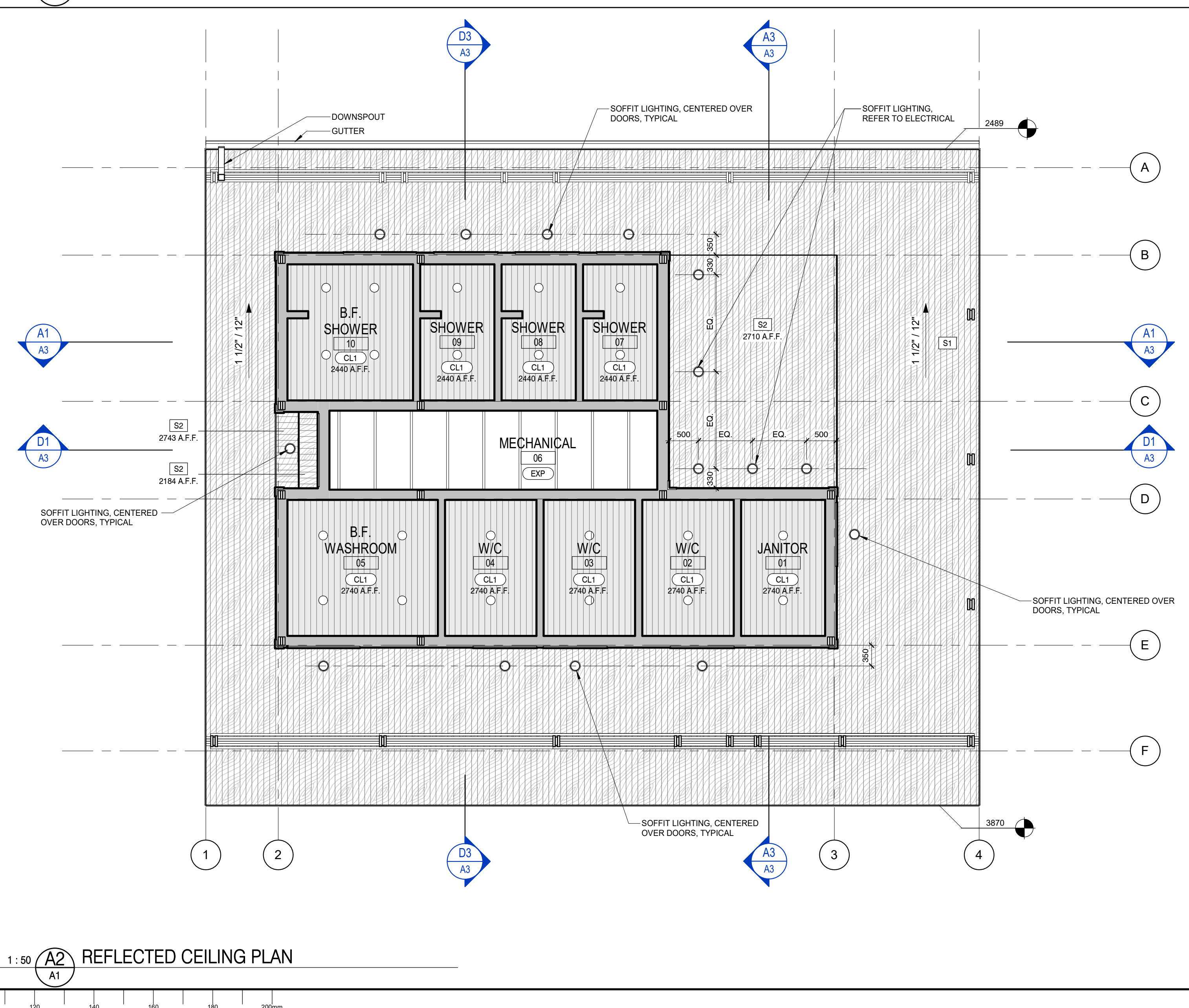
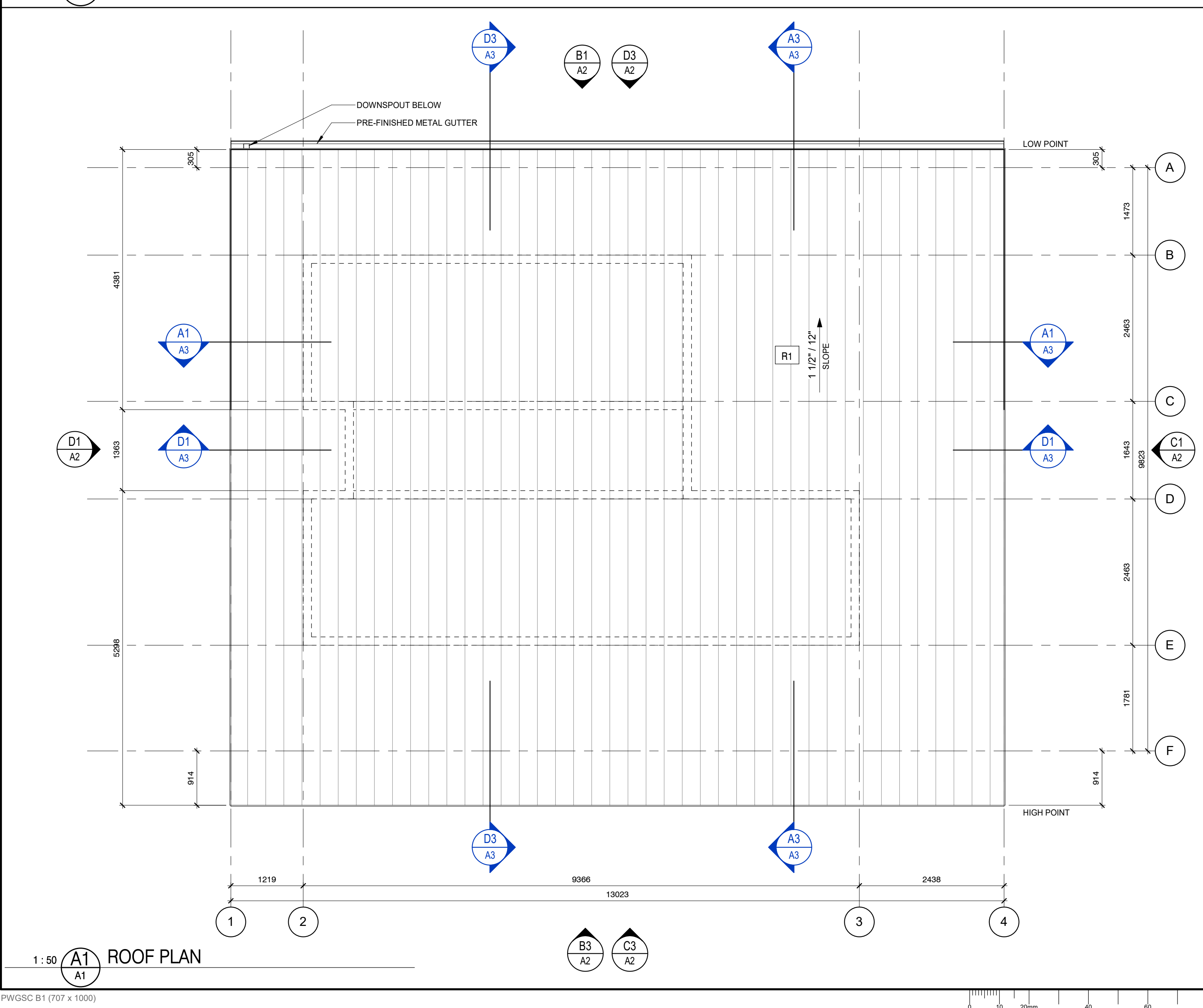
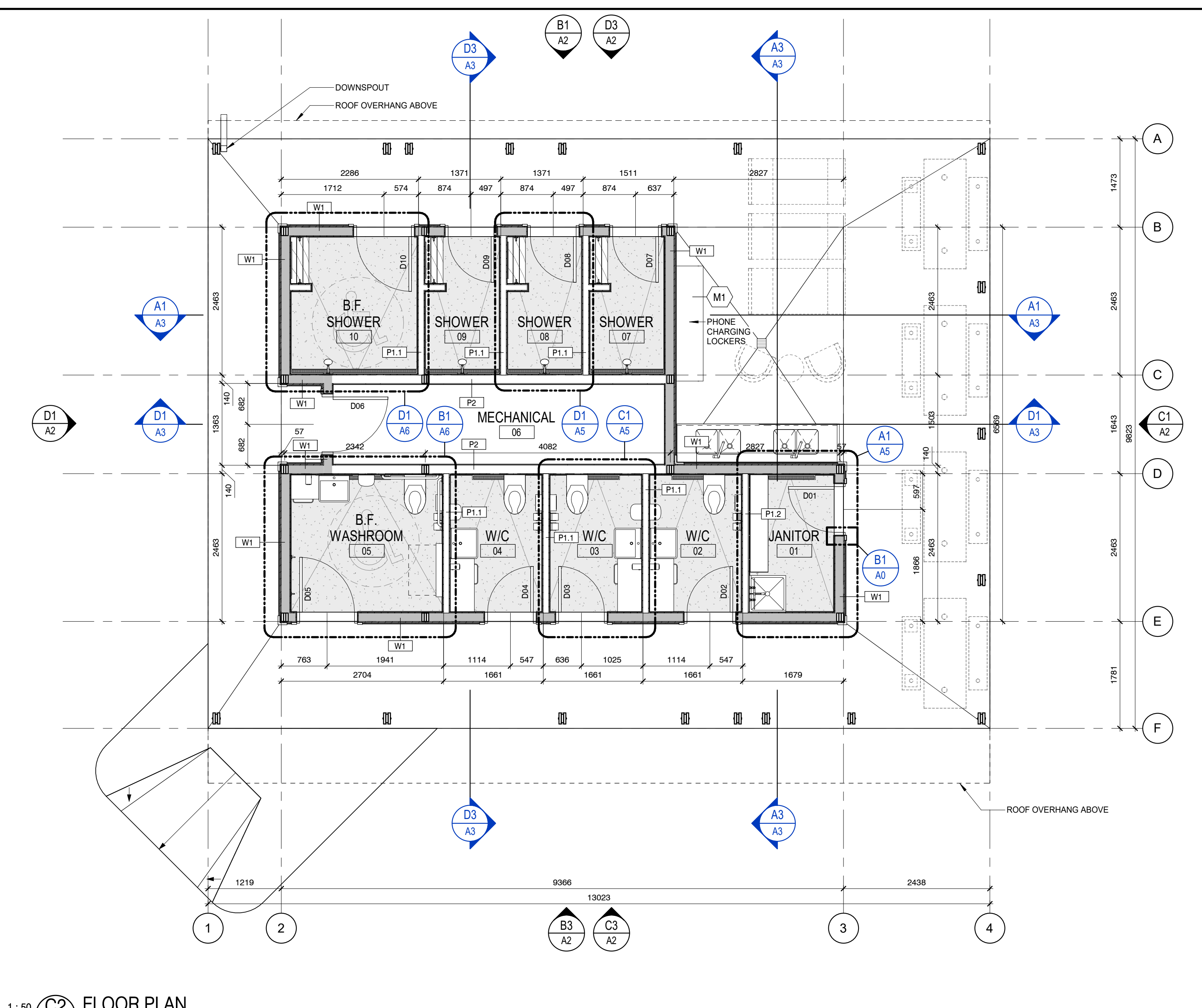
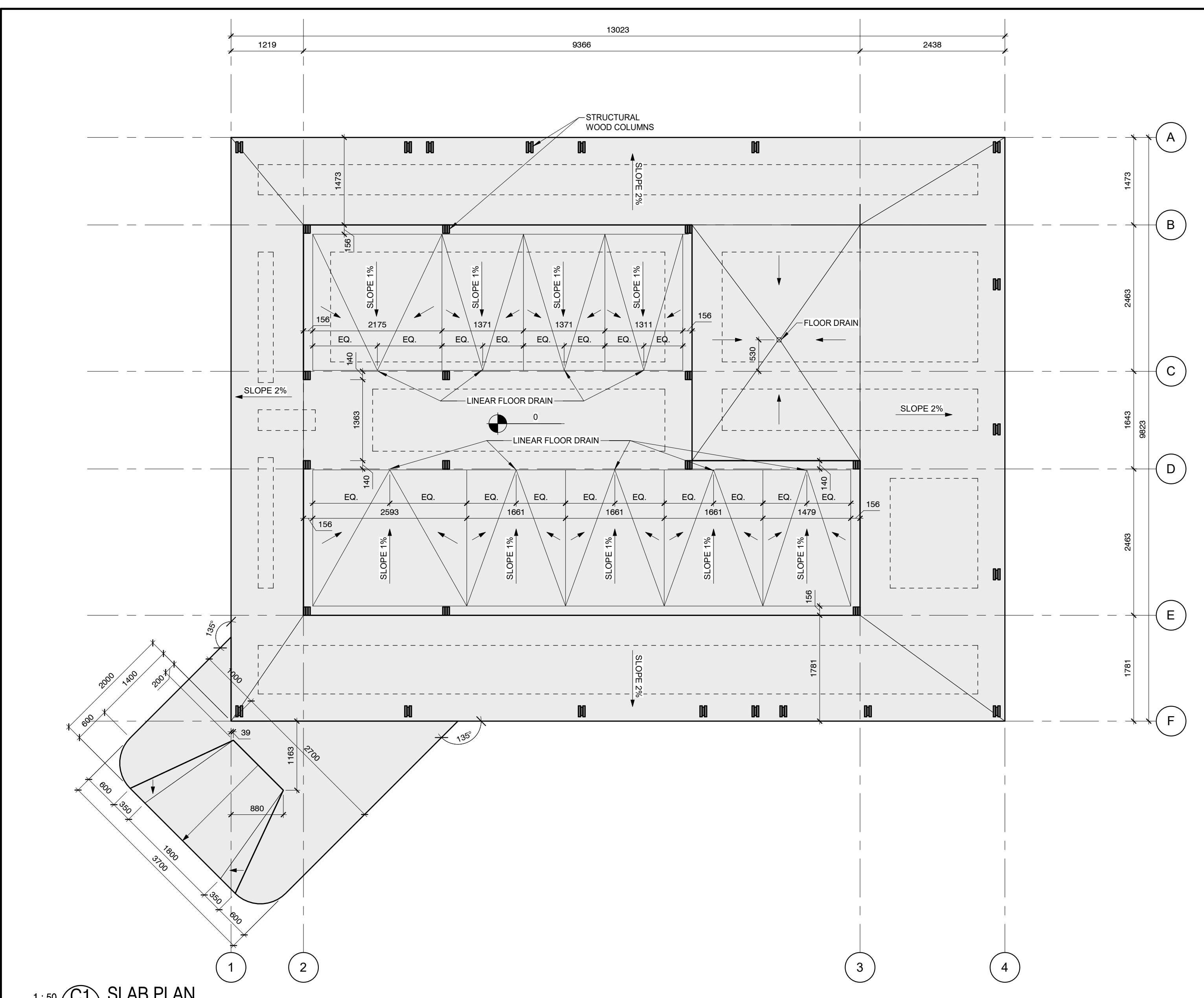


0	ISSUED FOR TENDER	2021-03-05
revisions		date
project		project

CAVENDISH WASHROOM FACILITY

SYMBOLS, LEGENDS & GENERAL NOTES

designed	MC	comp
date	2021-03-05	
drawn	IM	designed
date	2021-03-05	
approved	CM	approved
date	2021-03-05	
Tender		Submission
PWGSC Project Manager	Administrateur de projet TPSCG	
project number		no. du projet
	201-05173-00	
drawing no.		no. du dessin

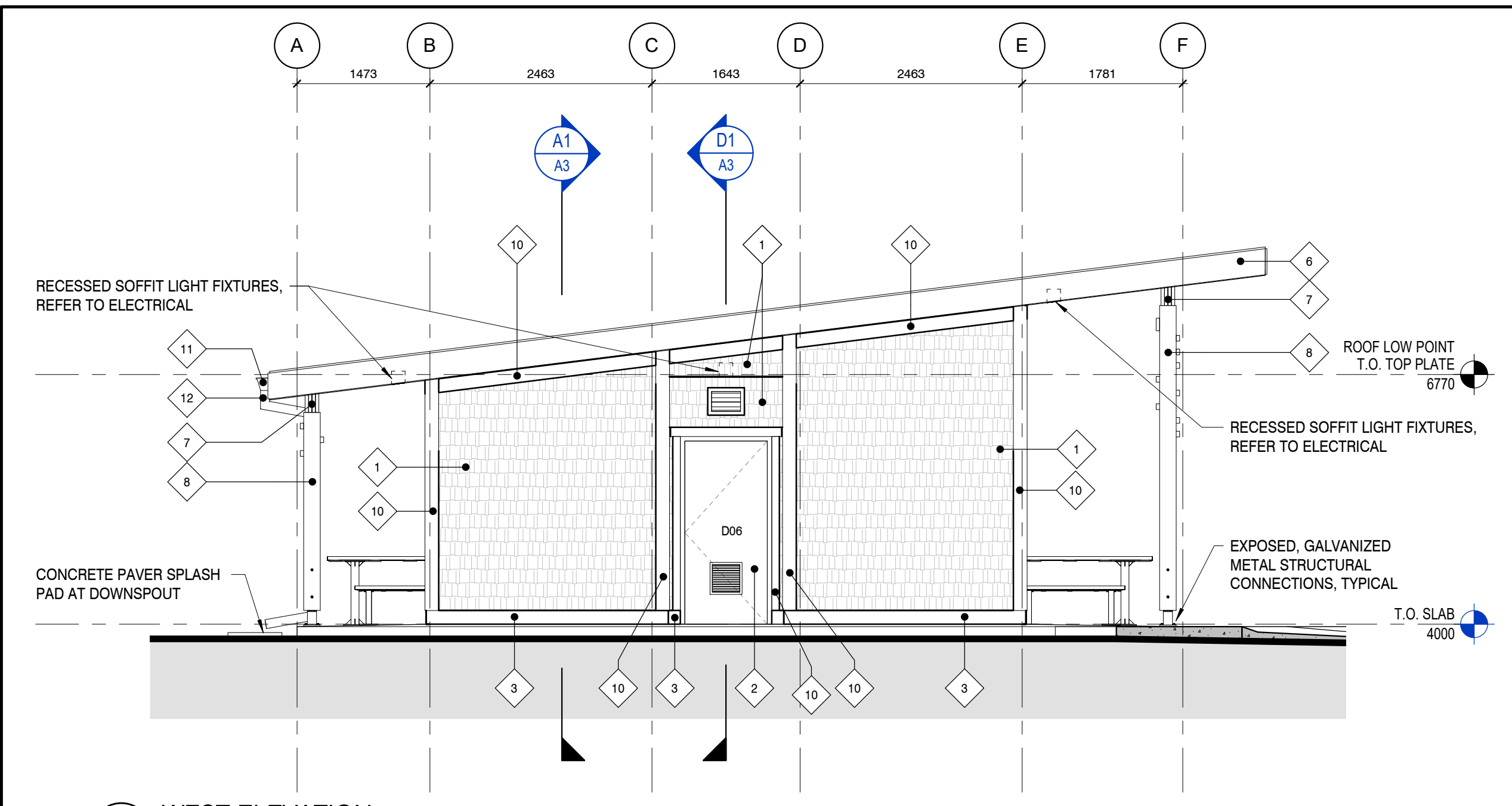


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revisions		date
project	CAVENDISH WASHROOM FACILITY	project
drawing		design
designed	MC	compu
date	2021-03-05	
drawn	IM	desain
date	2021-03-05	
approved	CM	approv
date	2021-03-05	
Tender		Submission
PWGSC Project Manager	Administrateur de projet TPSCG	
project number		no. du projet
	201-05173-00	
drawing no.		no. du dessin
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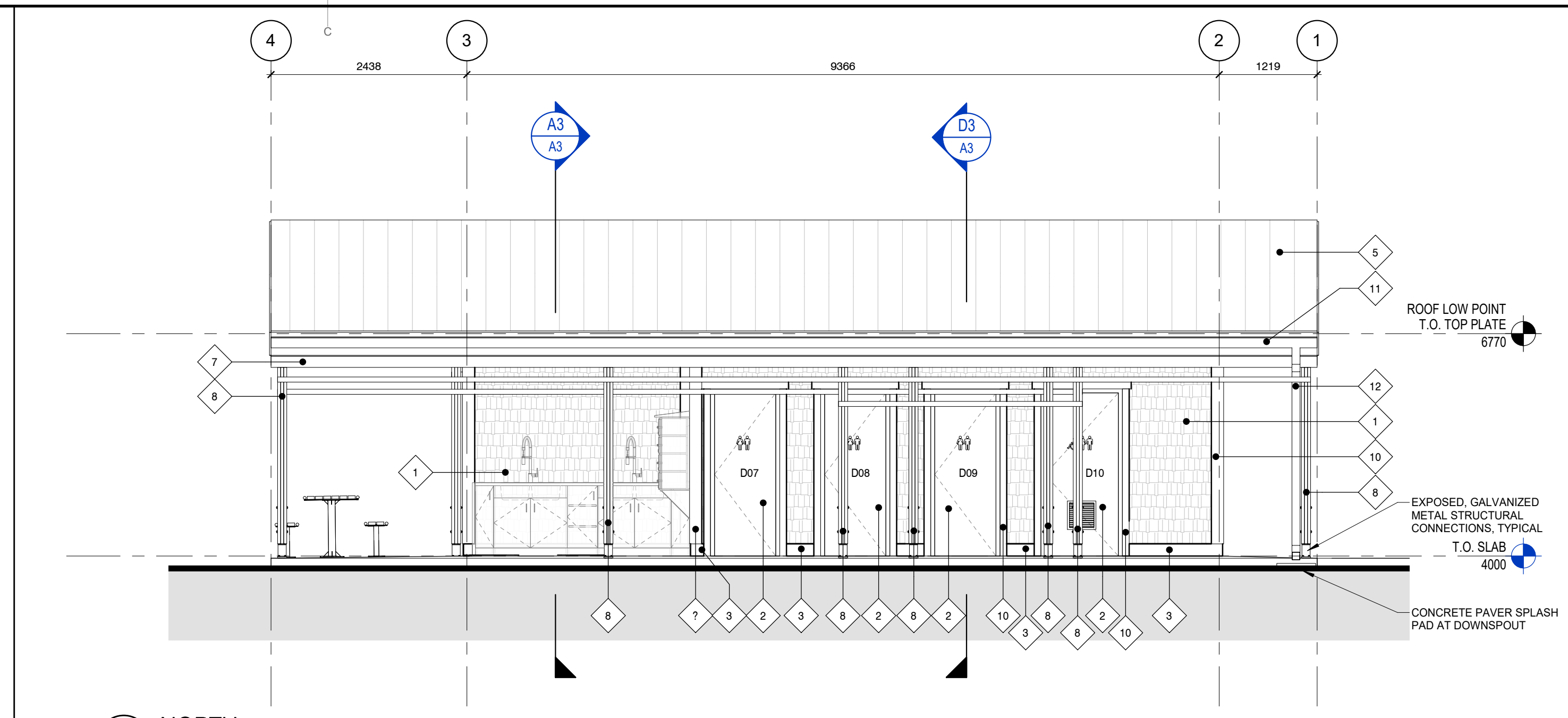


EXTERIOR MATERIAL LEGEND

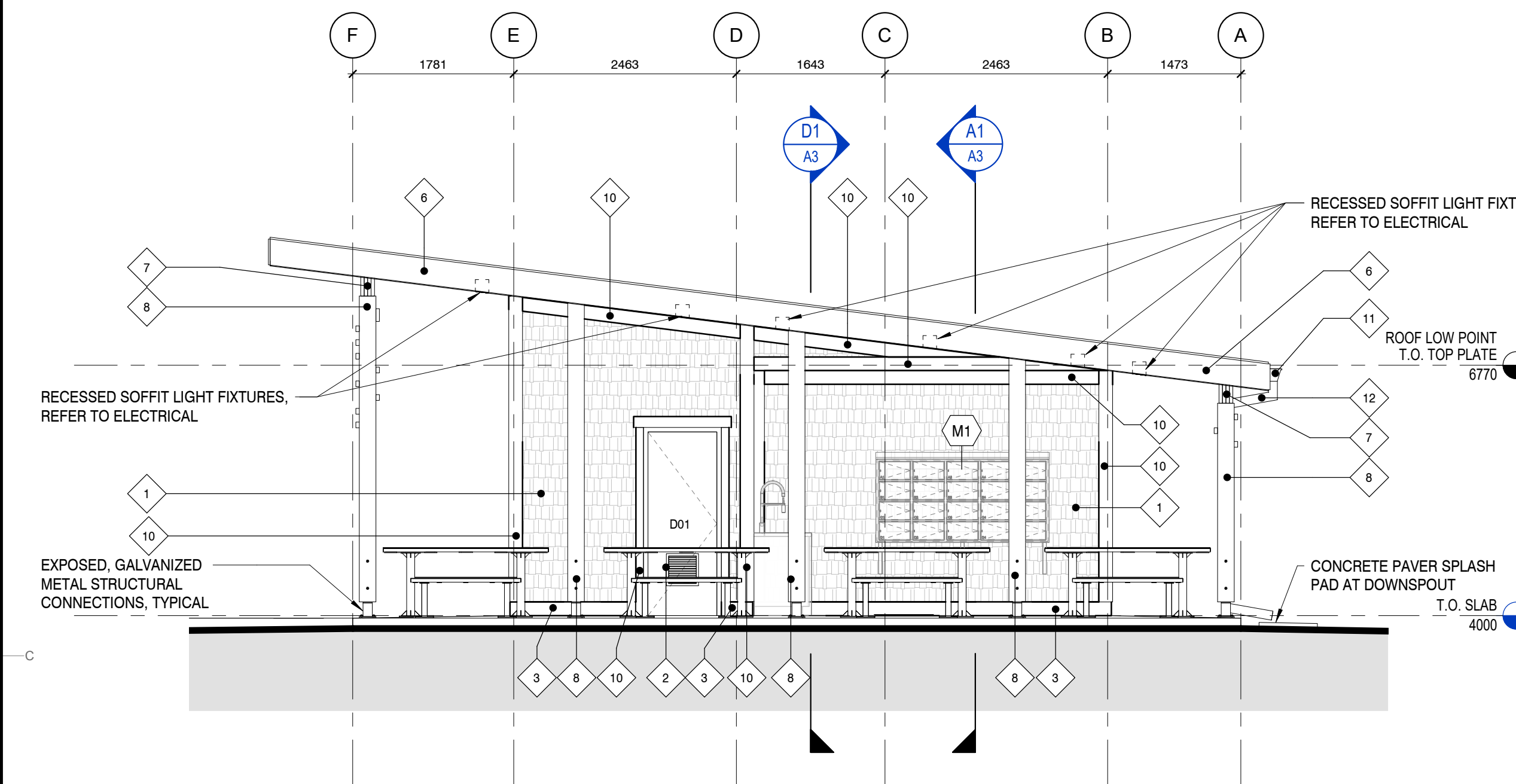
- 1 PRE-FINISHED CEDAR SHINGLE
- 2 FIBREGLASS DOOR PANEL & PAINTED STEEL FRAME
- 3 PRE-FINISHED FROST BOARD
- 4 WOOD SLAT
- 5 PREFINISHED METAL ROOFING
- 6 PRE-FINISHED WOOD FASCIA BOARD, WHITE
- 7 WOOD BEAM AS PER STRUCTURAL
- 8 WOOD COLUMN AS PER STRUCTURAL
- 9 CEDAR SHINGLE CORNER TRIM, WHITE
- 10 WOOD SIDING TRIM BOARDS, WHITE
- 11 PRE-FINISHED METAL GLITTER - COLOUR TO MATCH ROOF COLOUR
- 12 PRE-FINISHED METAL DOWNSPOUT - COLOUR TO MATCH ROOF COLOUR
- 13 PRE-FINISHED WOOD BOARD SOFFIT, WHITE



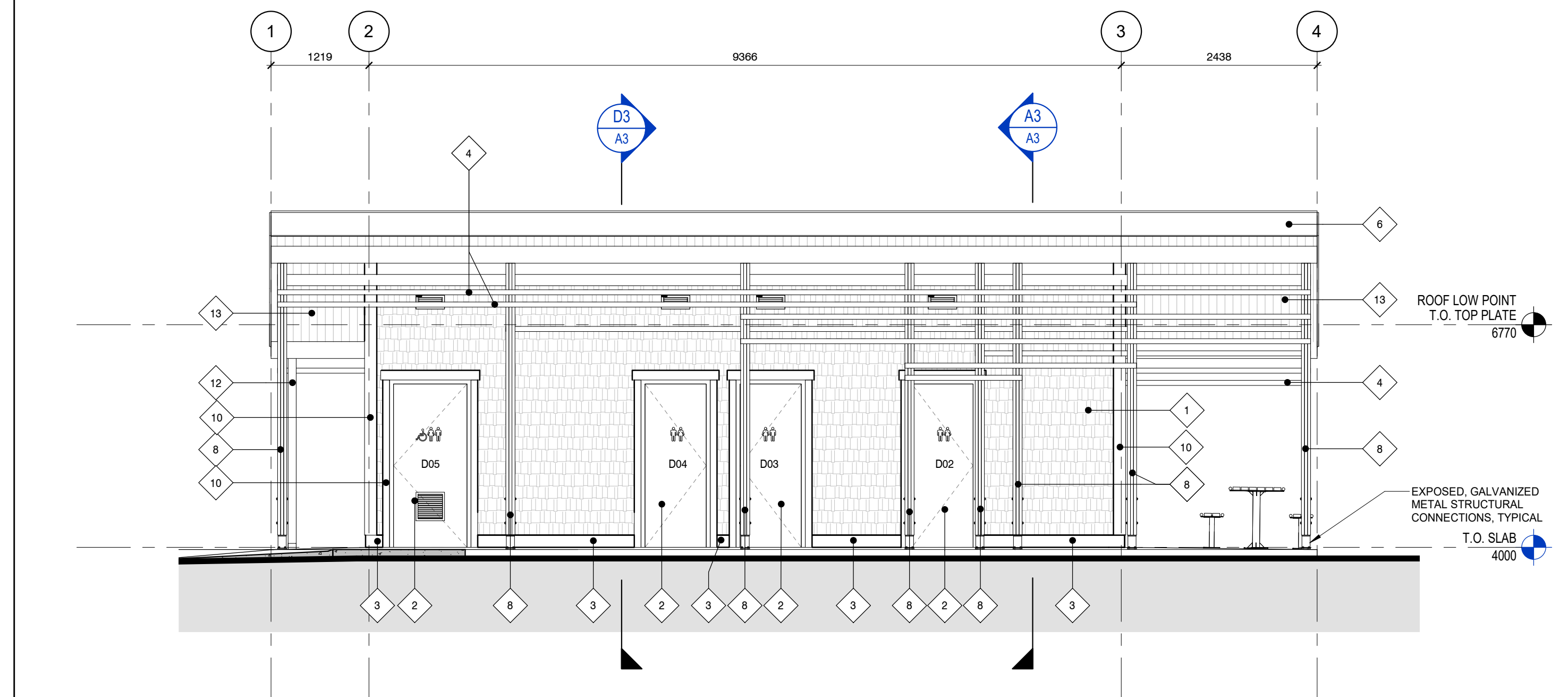
1:50 D1 WEST ELEVATION



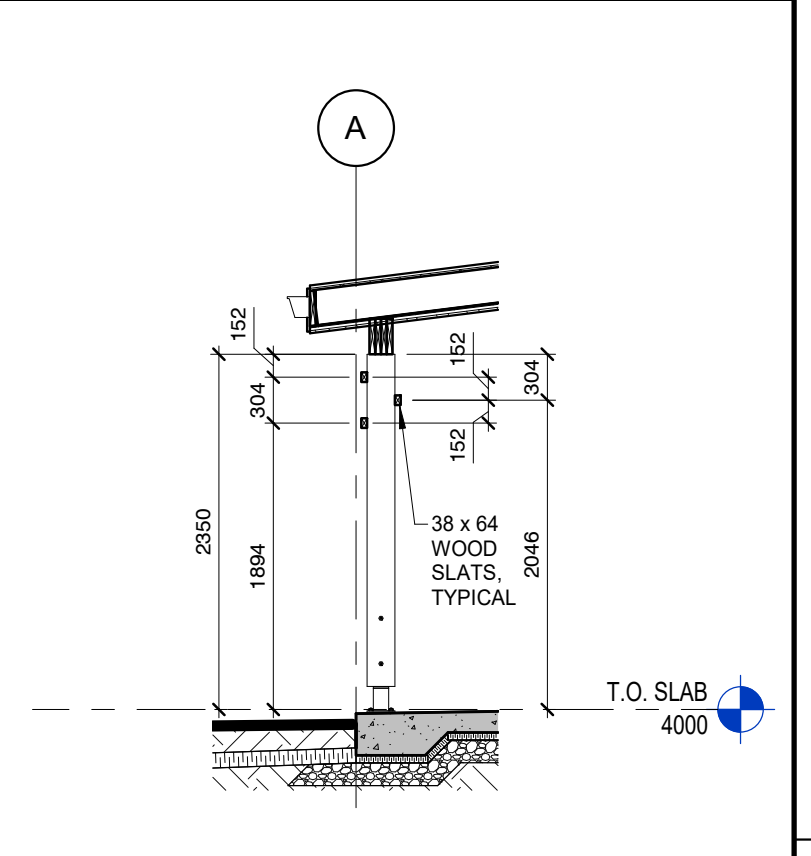
1:50 D3 NORTH



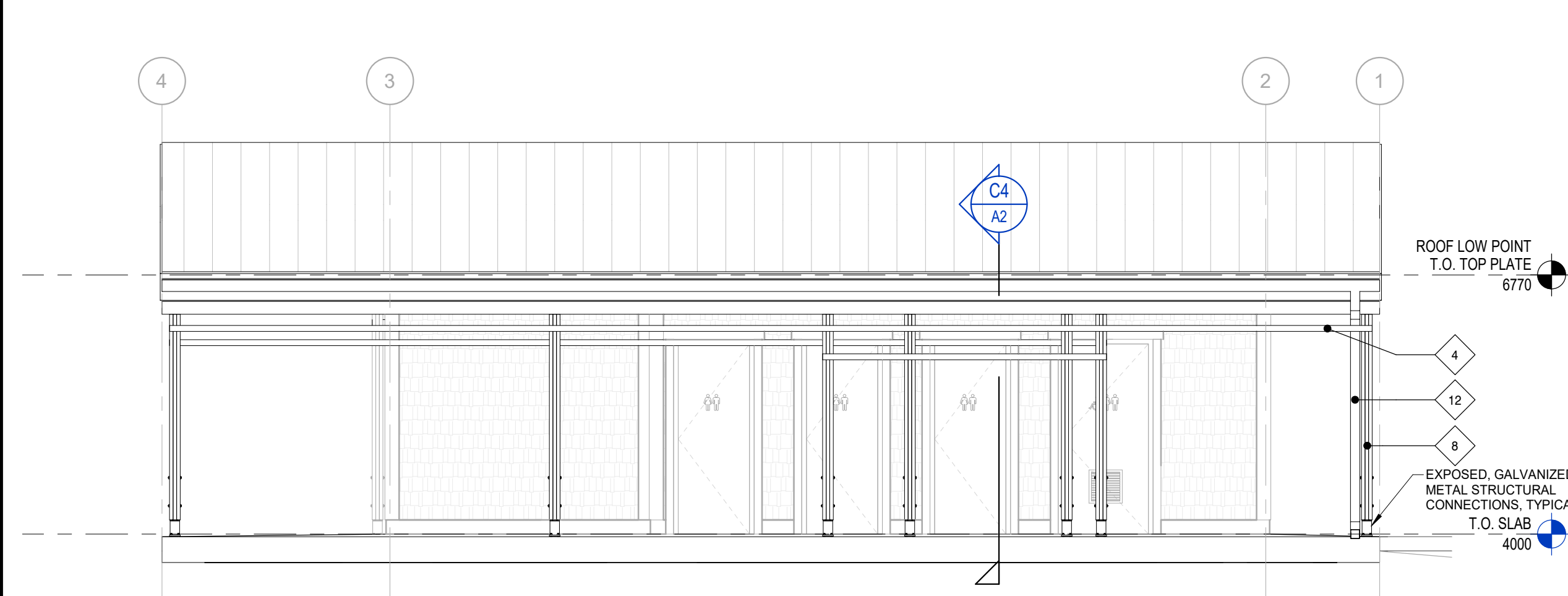
1:50 C1 EAST ELEVATION



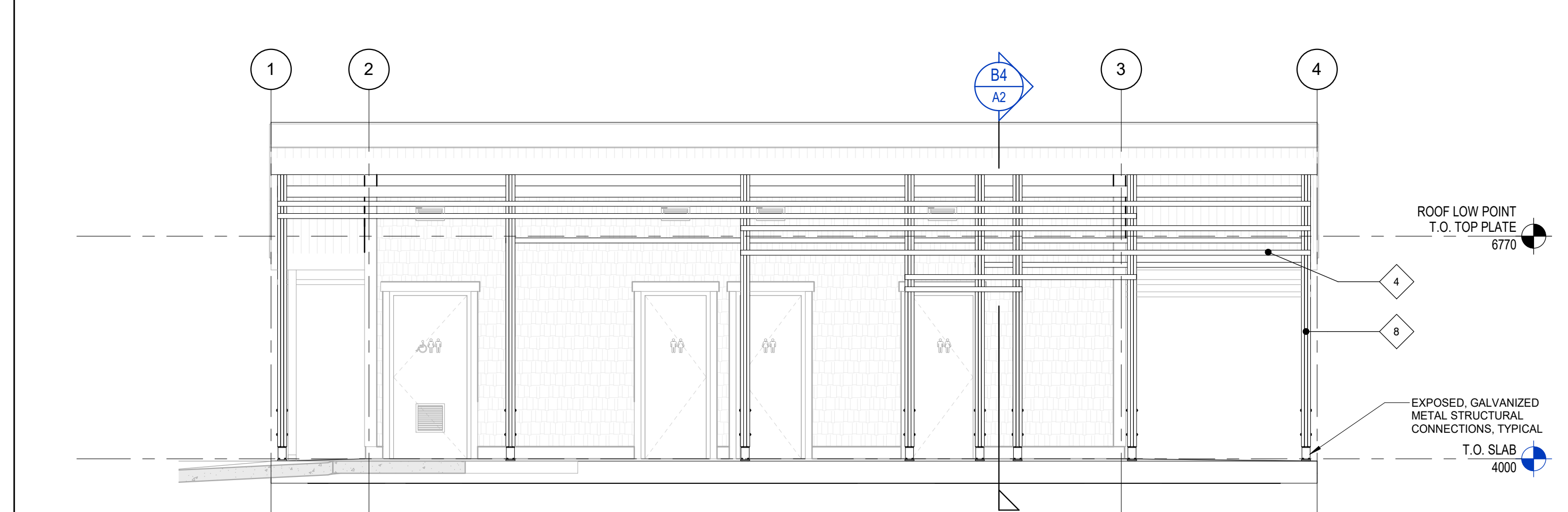
1:50 C3 SOUTH ELEVATION



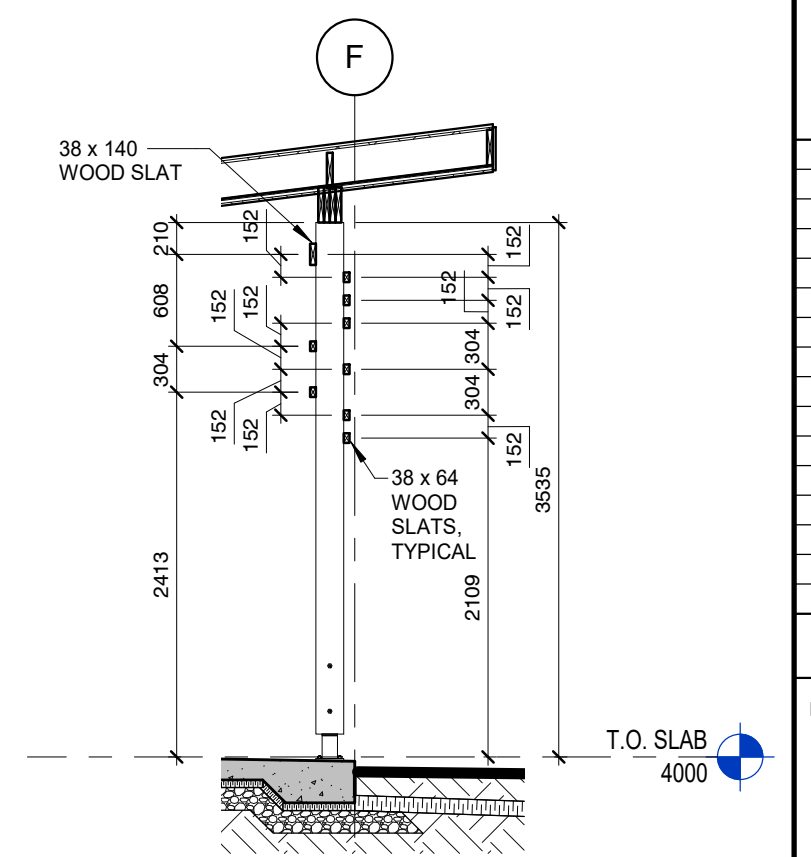
1:50 C4 WOOD SLAT FEATURE SECTION AT GRID A



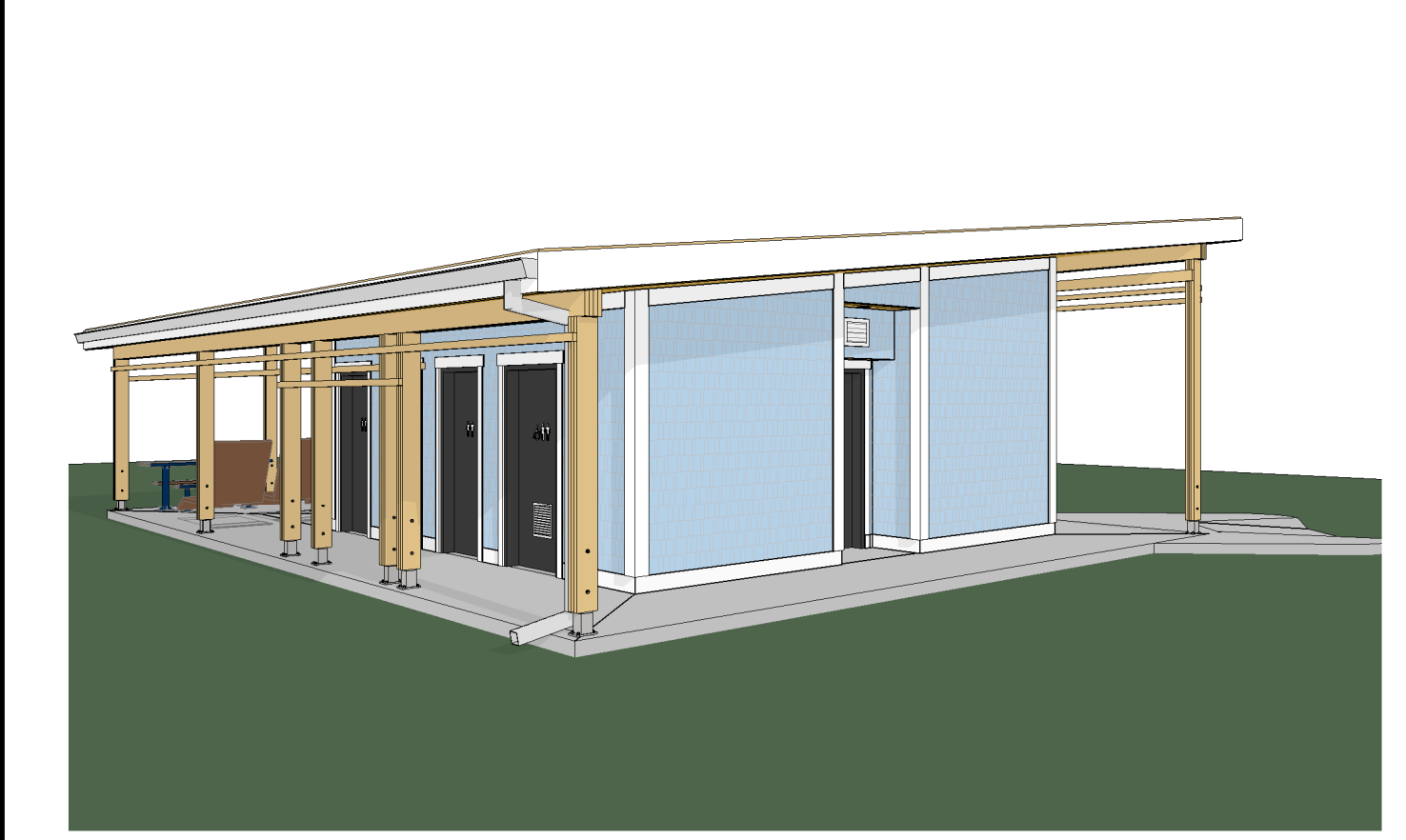
1:50 B1 WOOD SLAT FEATURE - NORTH ELEVATION



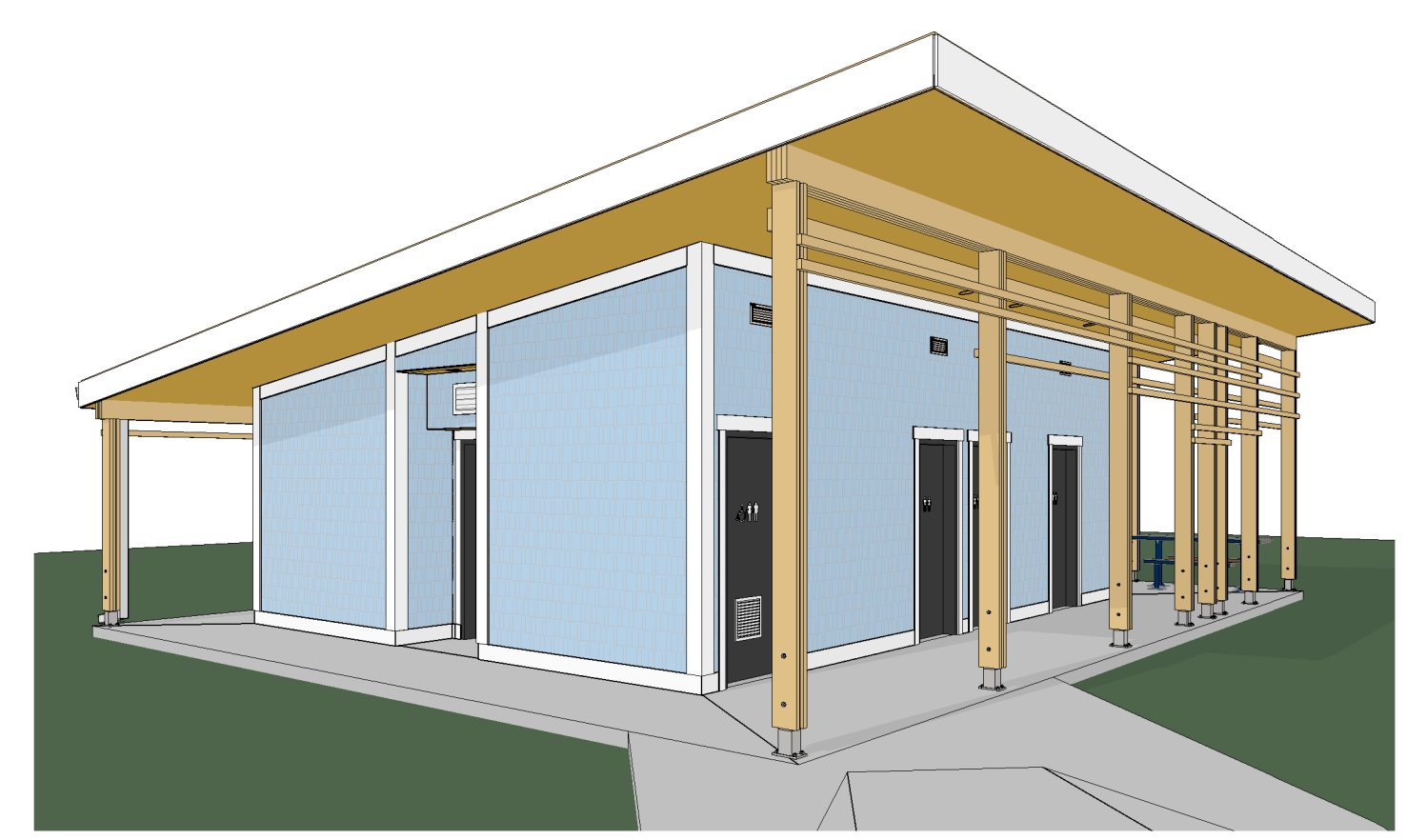
1:50 B3 WOOD SLAT FEATURE - SOUTH ELEVATION



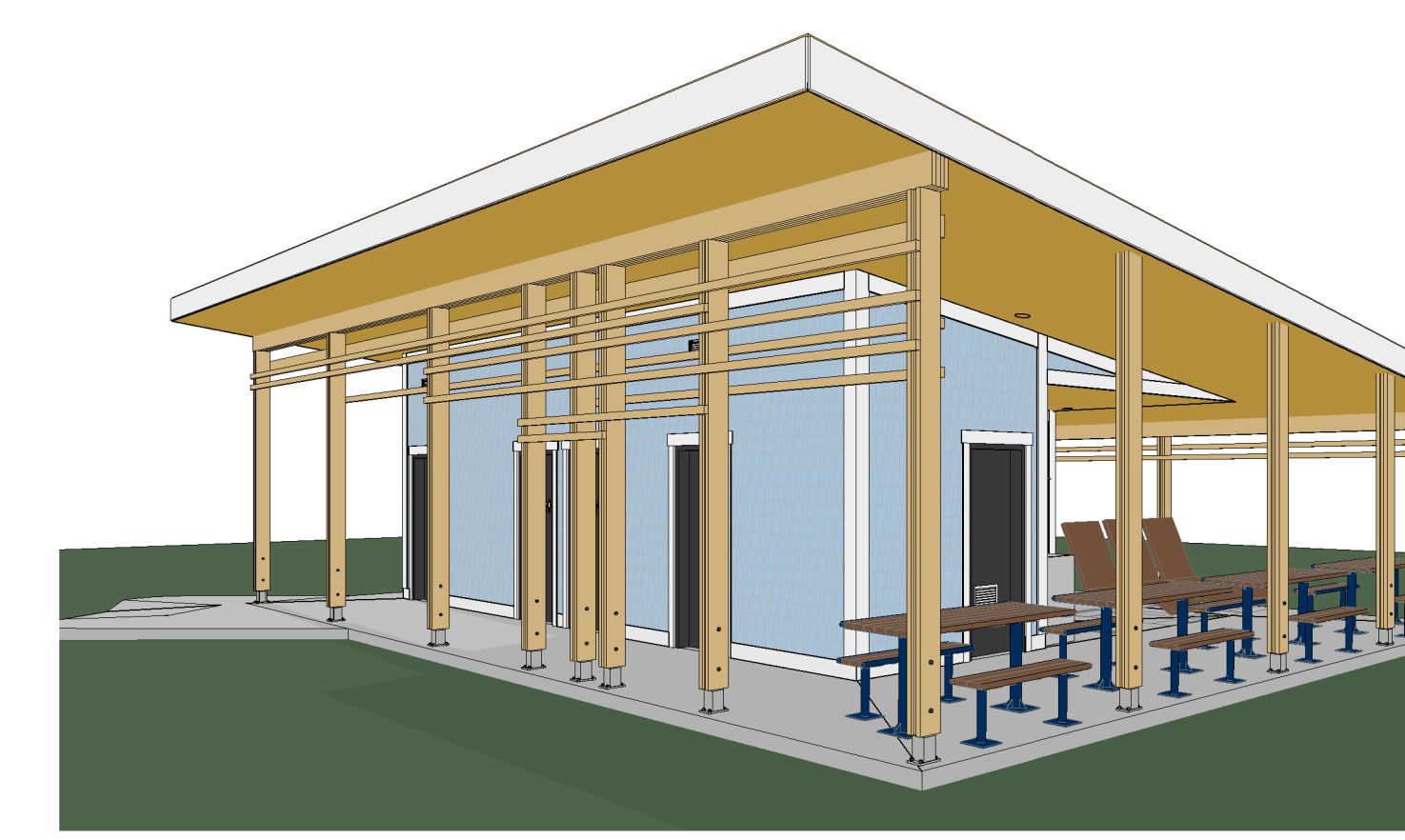
1:50 B4 WOOD SLAT FEATURE SECTION AT GRID F



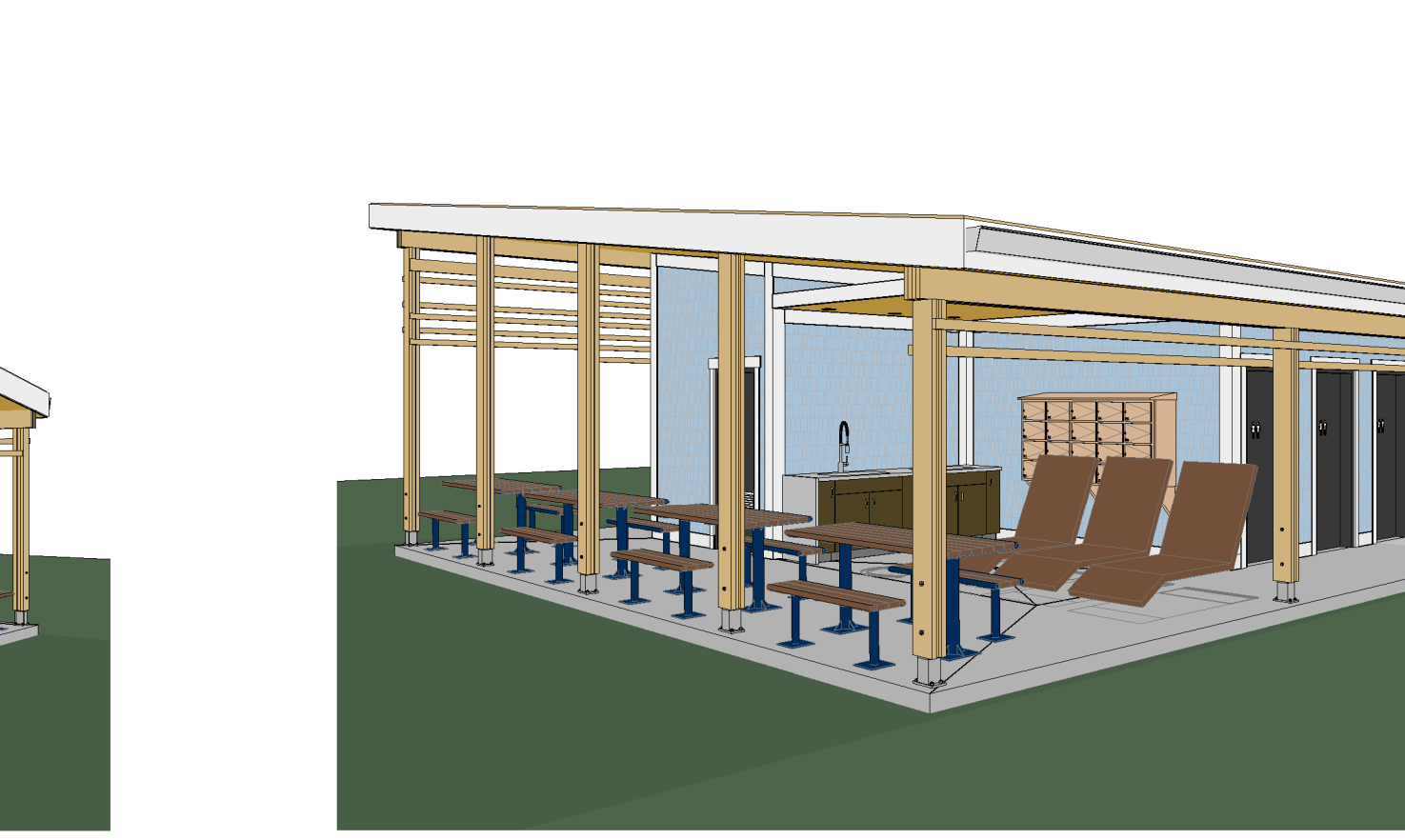
A1 3D NORTH WEST



A2 3D SOUTH WEST



A3 3D SOUTH EAST



A4 3D NORTH EAST

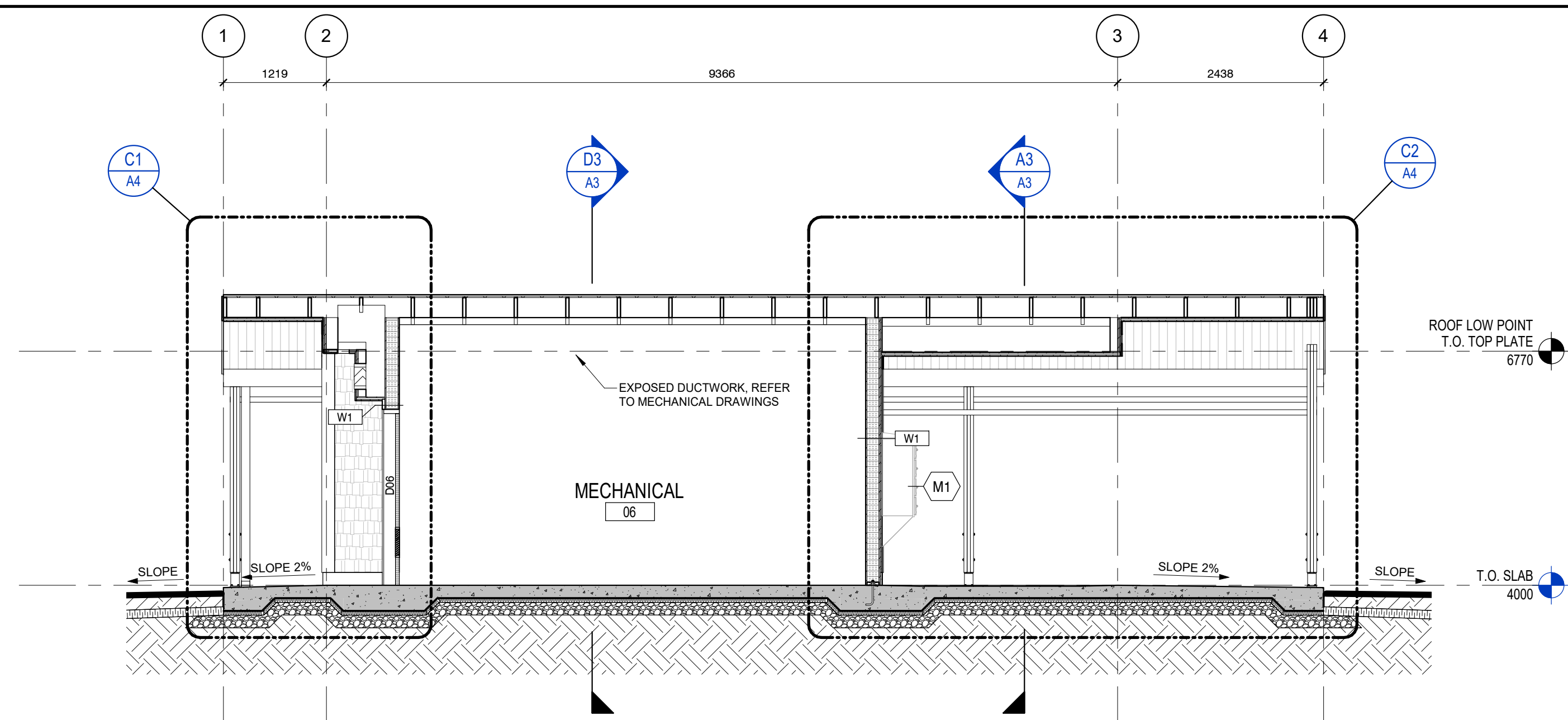


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revisions		date
project	CAVENDISH WASHROOM FACILITY	project

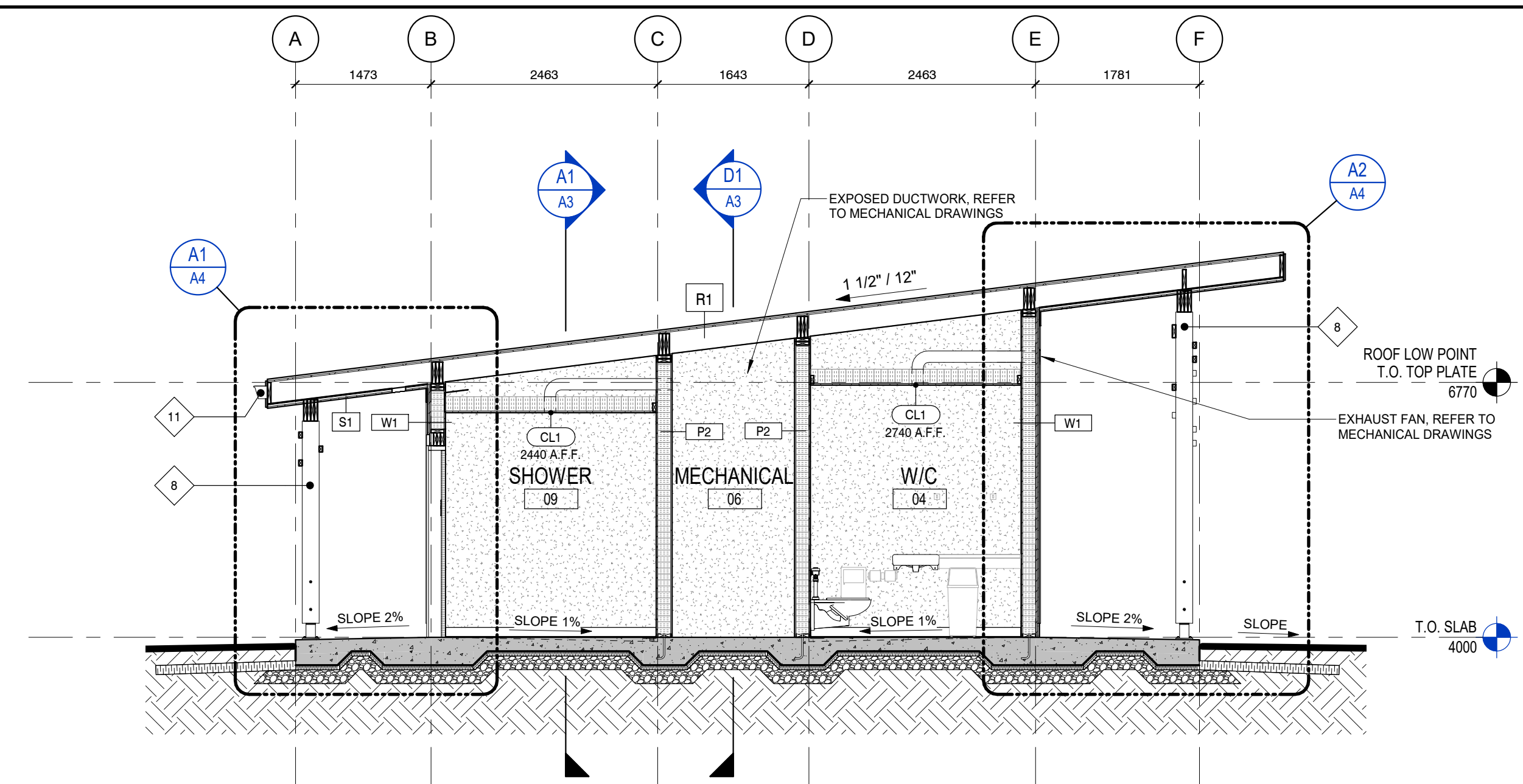
EXTERIOR ELEVATIONS

designed	MC	comp
date	2021-03-05	
drawn	IM	desain
date	2021-03-05	
approved	CM	approved
date	2021-03-05	
Tender		Submission
PWGSC Project Manager		Administrateur de projet TPSCC
project number		no. du projet
	201-05173-00	

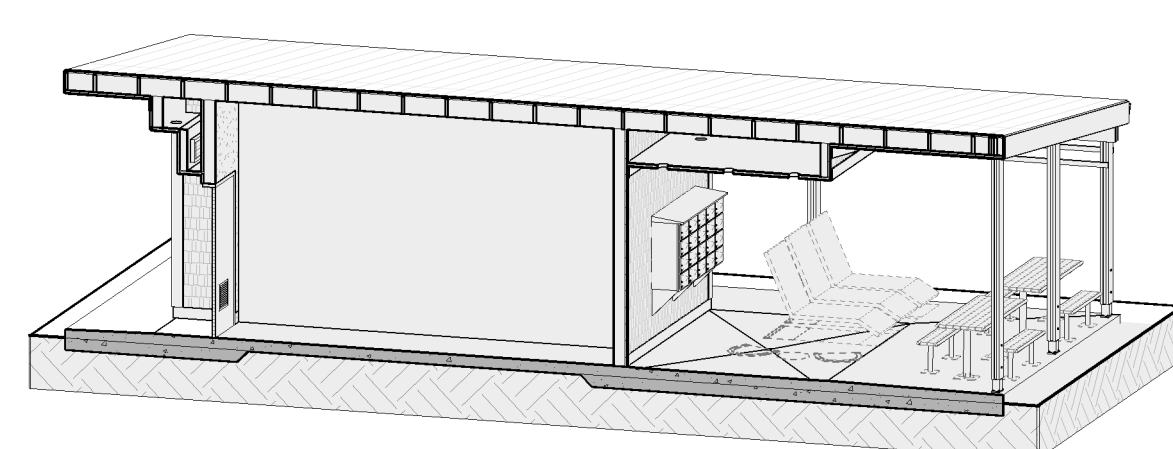
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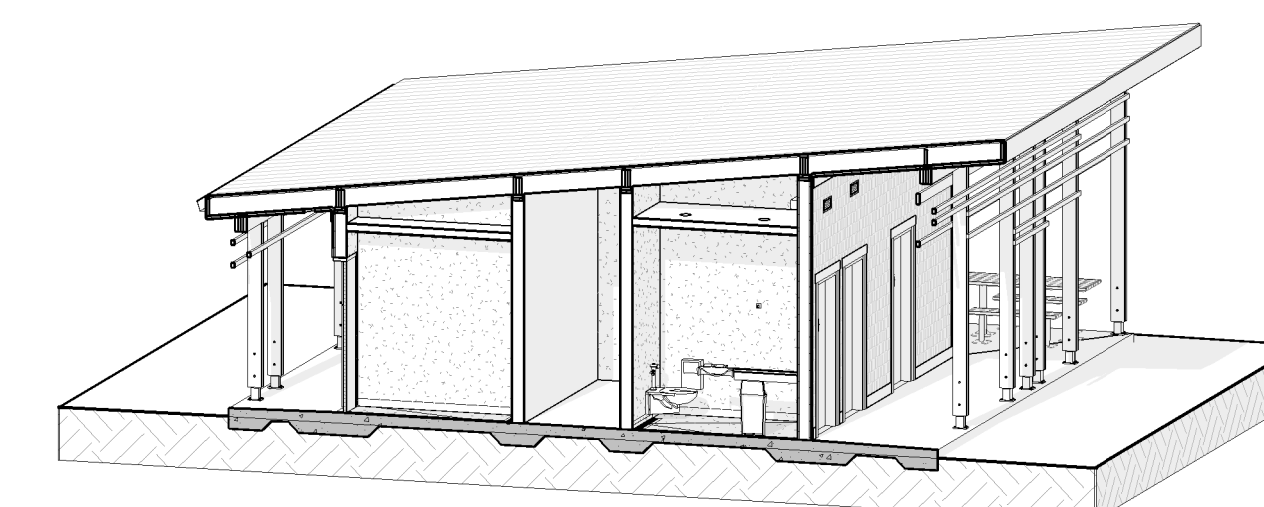
1:50 **D1** BUILDING SECTION - MECHANICAL ROOM
A3



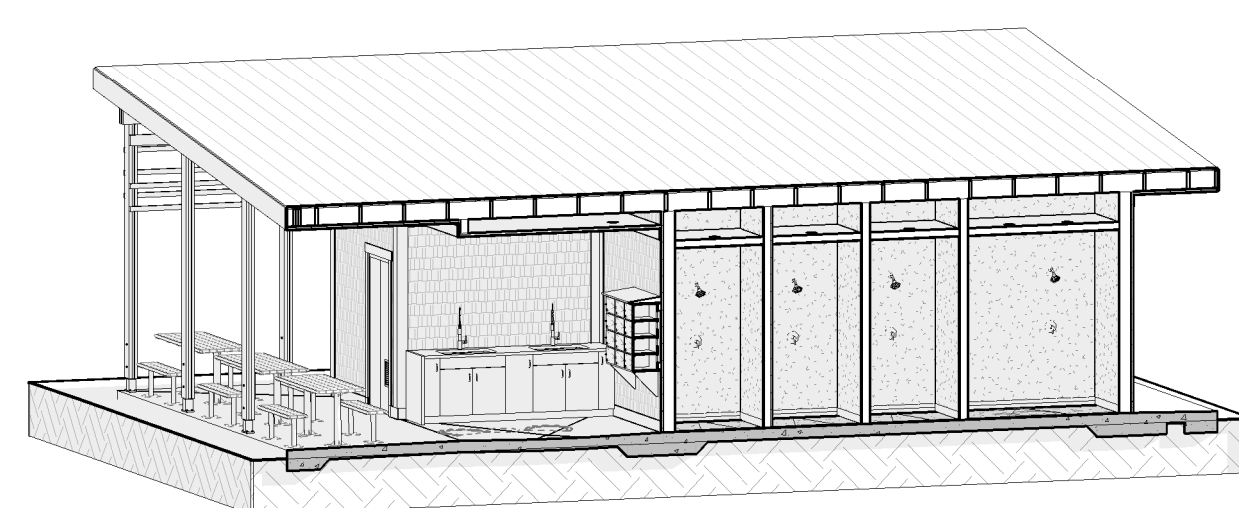
1:50 **D3** BUILDING SECTION - NORTH / SOUTH
A3



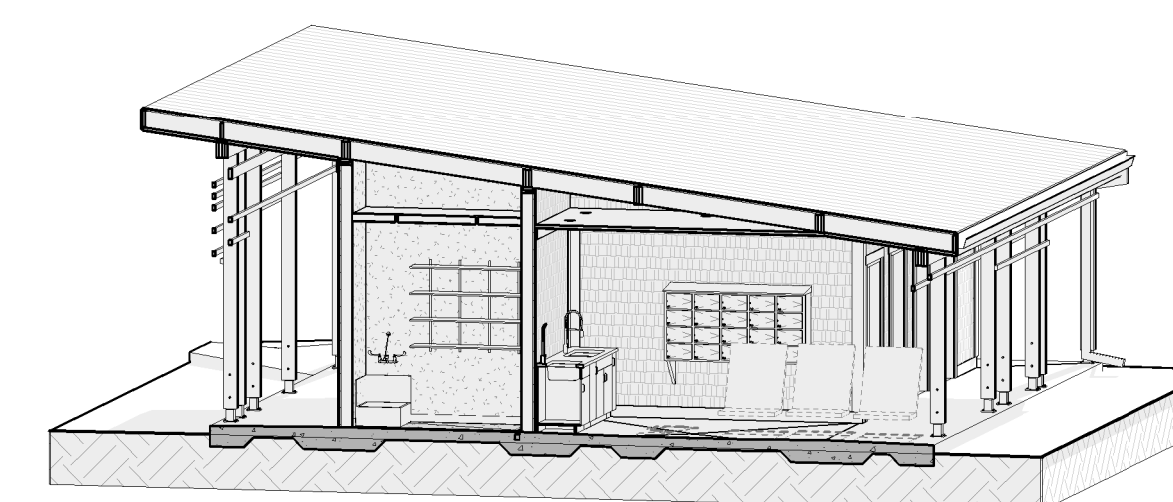
3D BUILDING SECTION - MECHANICAL ROOM
N.T.S.



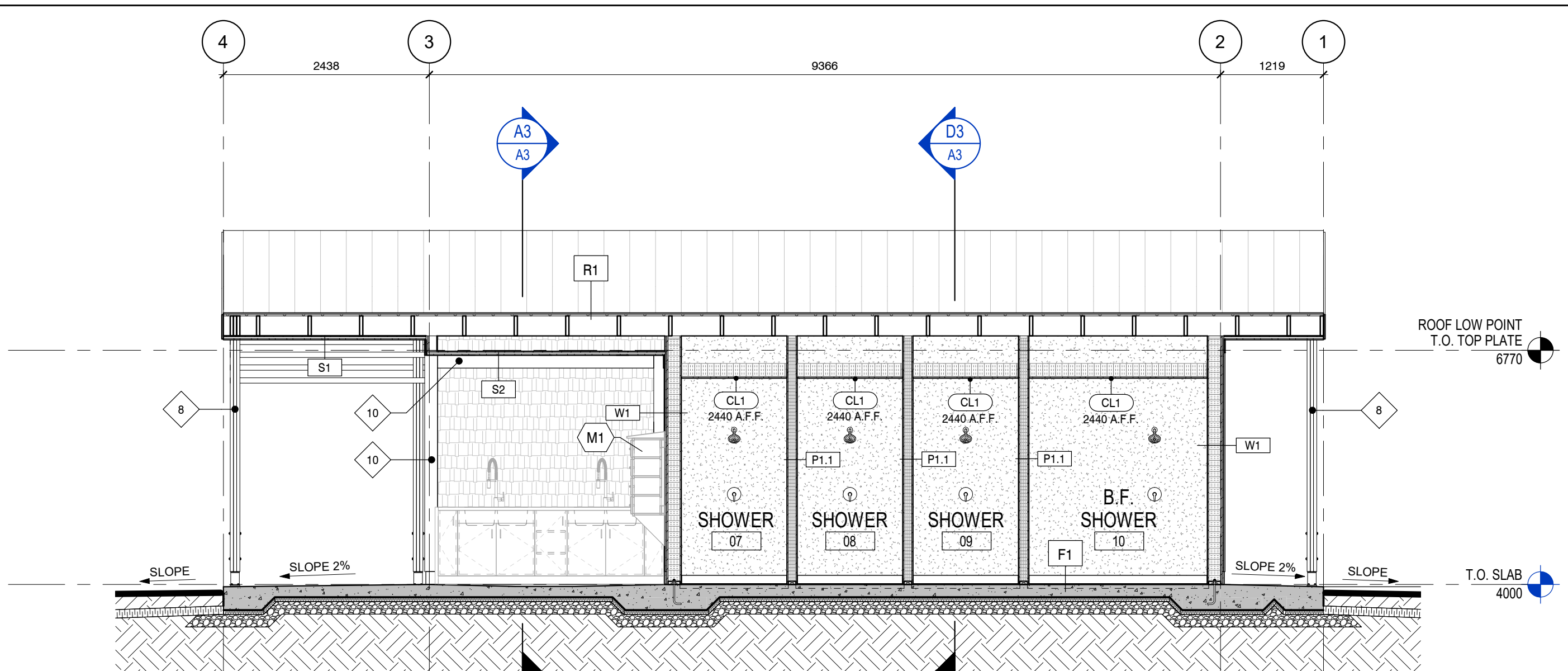
3D BUILDING SECTION - NORTH / SOUTH
N.T.S.



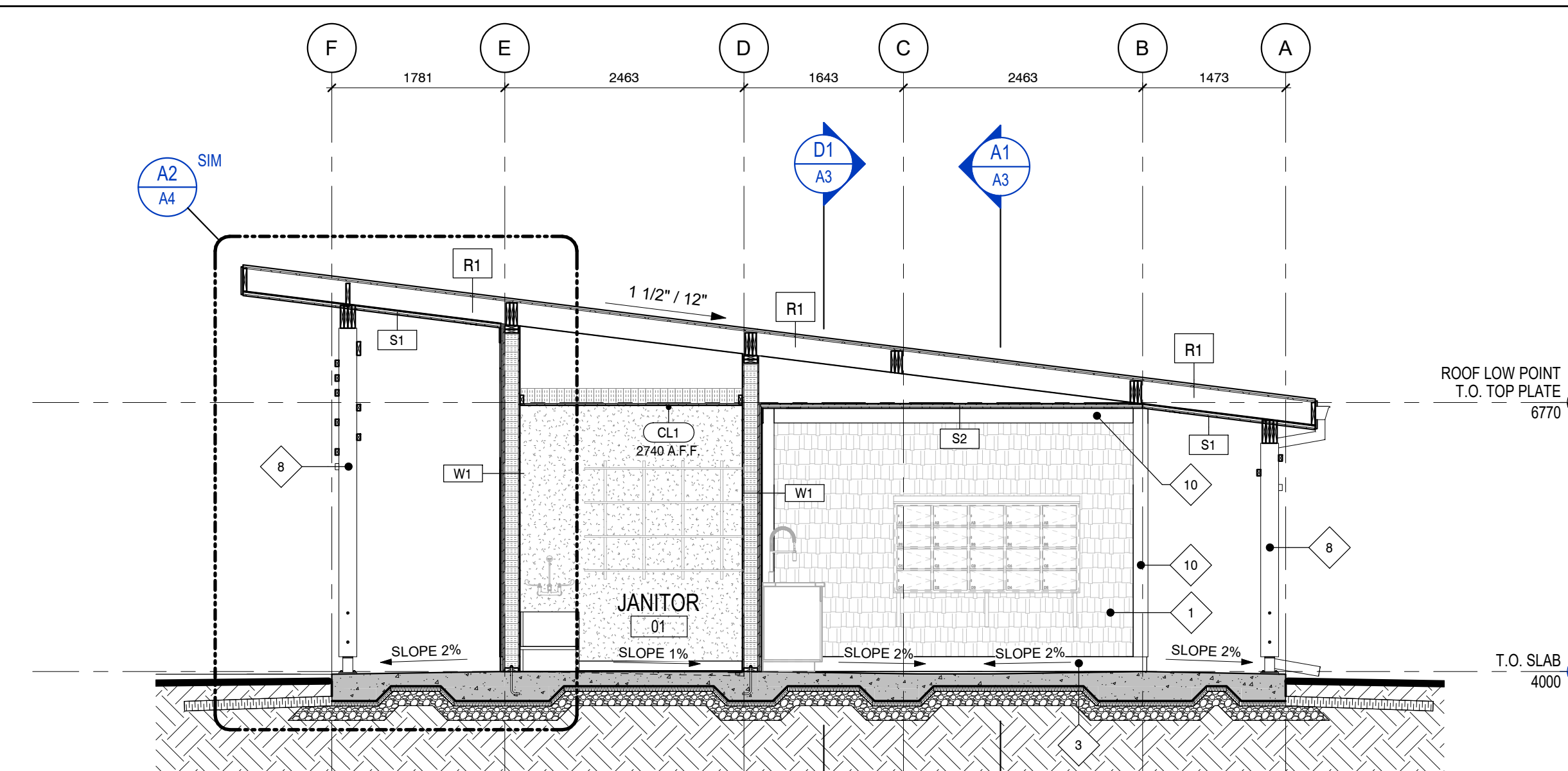
3D BUILDING SECTION - SHOWERS
N.T.S.



3D BUILDING SECTION - NORTH / SOUTH AT OUTDOOR SPACE
N.T.S.



1:50 **A1** BUILDING SECTION - SHOWERS
A3



1:50 **A3** BUILDING SECTION - NORTH / SOUTH AT OUTDOOR SPACE
A3



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revisions	date
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project	project
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**CAVENDISH
WASHROOM
FACILITY**

drawing	design
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**BUILDING
SECTIONS**

designed	MC	compu
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date	2021-03-05
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date	2021-03-05
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approved	CM	approve
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date	2021-03-05
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Tender	Submission
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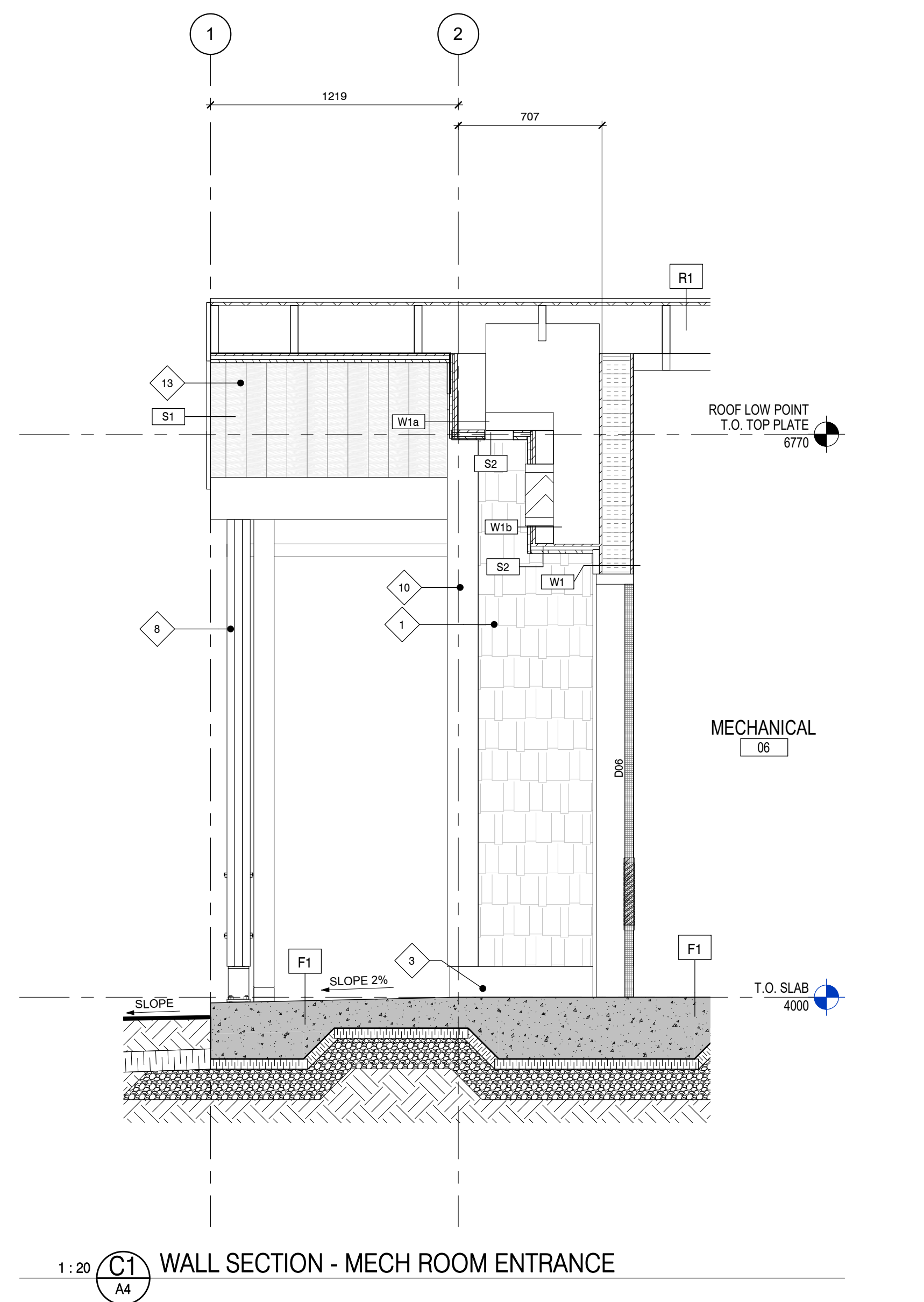
PWGSC Project Manager	Administrateur de projet TPSCG
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project number	no. du projet
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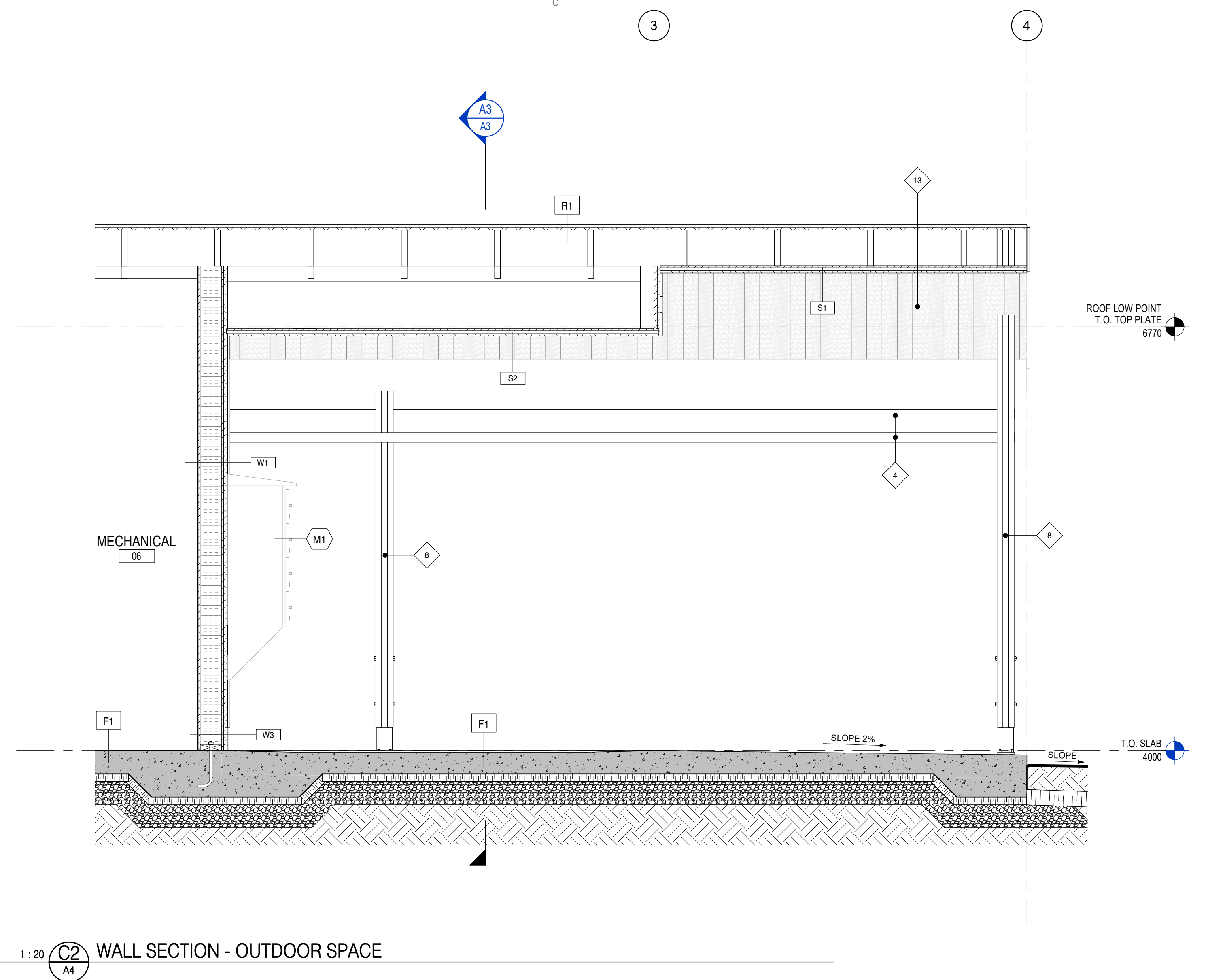
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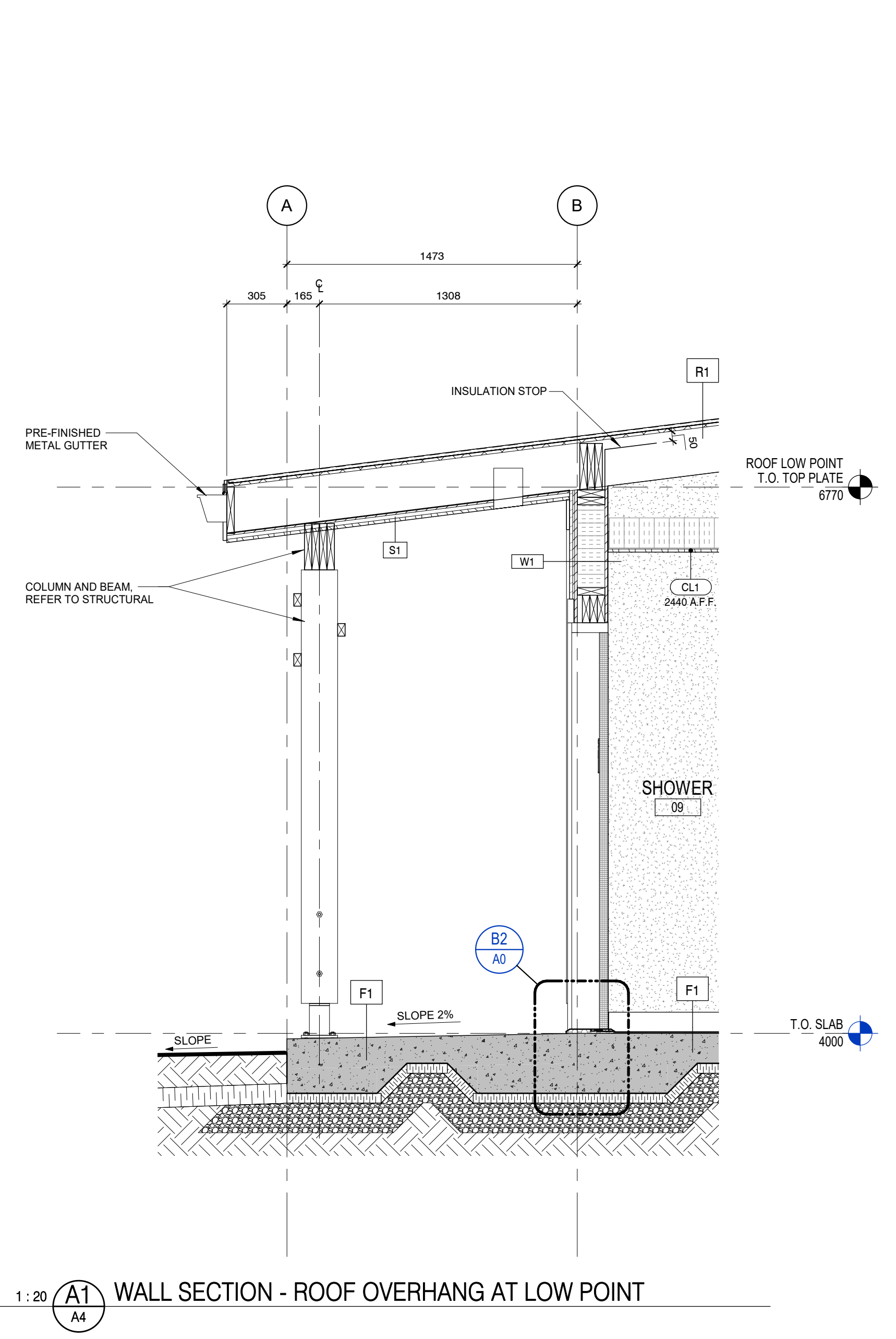
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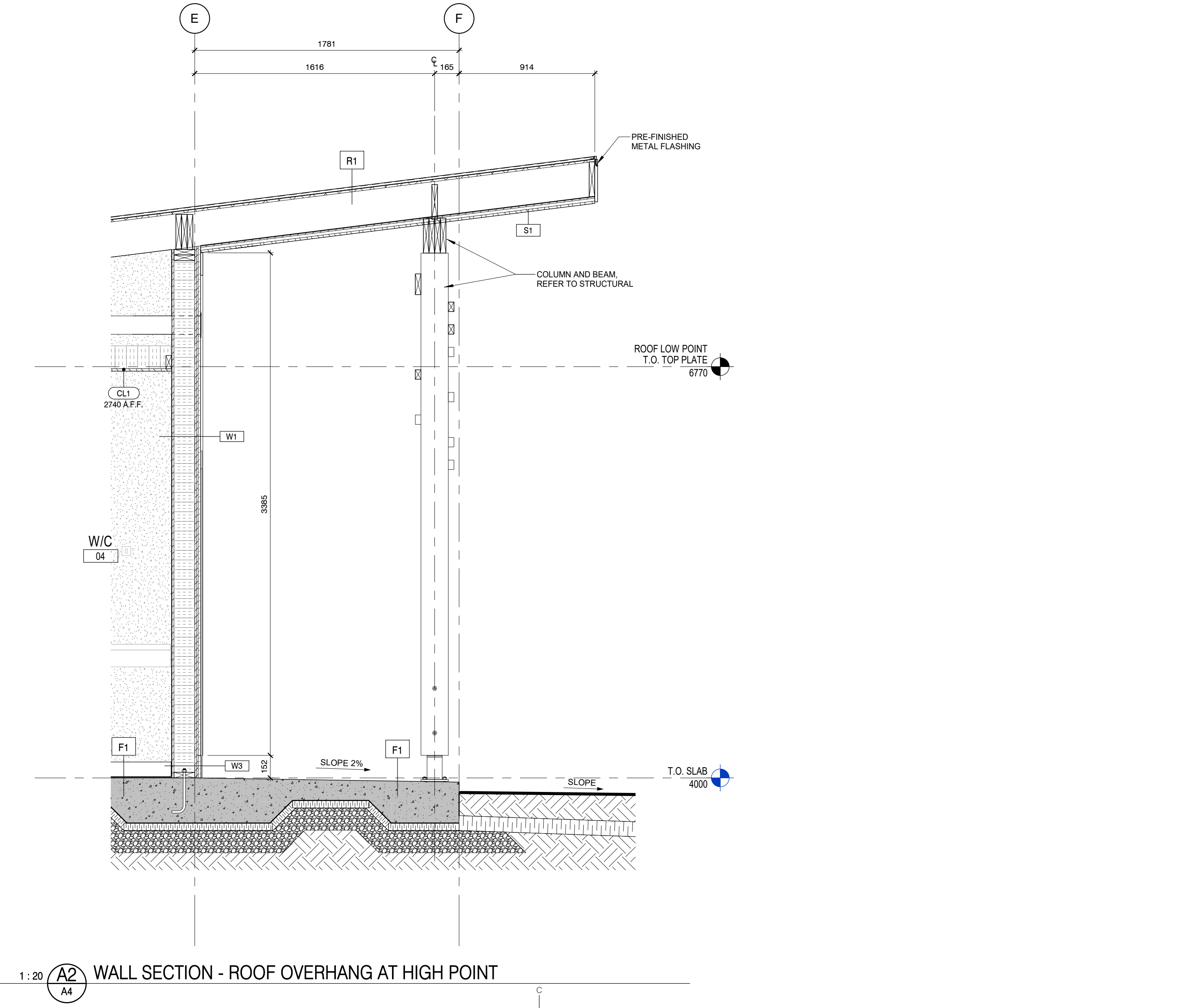
1:20 C1 WALL SECTION - MECH ROOM ENTRANCE



1:20 C2 WALL SECTION - OUTDOOR SPACE



1:20 A1 WALL SECTION - ROOF OVERHANG AT LOW POINT



1:20 A2 WALL SECTION - ROOF OVERHANG AT HIGH POINT



0	ISSUED FOR TENDER	2021-03-05
revisions		date
project		project

CAVENDISH WASHROOM FACILITY

WALL SECTIONS

designed	MC	compu
date	2021-03-05	
drawn	IM	dessiné
date	2021-03-05	
approved	CM	approuvé
date	2021-03-05	
Tender		Submission
PWGSC Project Manager		Administrateur de projet TPWGSC
project number		no. du projet
	201-05173-00	
drawing no.		no. du dessin
	A4	

ROOM SCHEDULE						
ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE	WALL FINISH	CEILING	COMMENTS
01	JANITOR	PFS	RB	PT	CF	
02	W/C	PFS	RB	FRP	CF	
03	W/C	PFS	RB	FRP	CF	
04	W/C	PFS	RB	FRP	CF	
05	B.F. WASHROOM	PFS	RB	FRP	CF	
06	MECHANICAL	PFS	RB	FRP	CF	
07	SHOWER	PFS	RB	FRP	CF	
08	SHOWER	PFS	RB	FRP	CF	
09	SHOWER	PFS	RB	FRP	CF	
10	B.F. SHOWER	PFS	RB	FRP	CF	

FINISH LEGEND

- PT PAINT
 - RB RUBBER BASE
 - PFS POLYURETHANE FLOORING SCREED
 - FRP FIBRE REINFORCED PANEL
- ABBREVIATIONS
CF CLEAR FINISH

NOTE
REFER TO INTERIOR ELEVATIONS FOR EXTENT OF WALL FINISHES

ACCESSORIES LEGEND

- 1 COMMERCIAL WALL HUNG TOILET
- 2 COMMERCIAL SINK
- 3 FORCED AIR AUTOMATIC HAND DRYER
- 4 SHELF / WALL HOOKS
- 5 TRASH RECEPTACLE, OS/CI
- 6.1 WALL MIRROR, FIXED
- 6.2 WALL MIRROR, FIXED, TILTED
- 7 BENCH
- 8 SHOWER CONTROL / HEAD
- 9 FOLDING CHANGING TABLE
- 11.1 GRAB BARS, STRAIGHT, HORIZONTAL
- 11.2 GRAB BARS, L-SHAPED
- 12 TOILET PAPER DISPENSER, SURFACE MOUNTED
- 13 SANITARY DISPOSAL UNIT / DISPENSER, SURFACE MOUNTED
- 15 SOAP DISPENSER, SURFACE MOUNTED
- 16 LINEAR FLOOR DRAIN

OS/CI OWNER SUPPLIED / CONTRACTOR INSTALLED
OS/OI OWNER SUPPLIED / OWNER INSTALLED



0 ISSUED FOR TENDER 2021-03-05

revisions no. date

project no. du projet

CAVENDISH WASHROOM FACILITY

ENLARGED PLANS & INTERIOR ELEVATIONS

designed MC compu

date 2021-03-05

drawn IM dessin

date 2021-03-05

approved CM approuvé

date 2021-03-05

Tender Submission

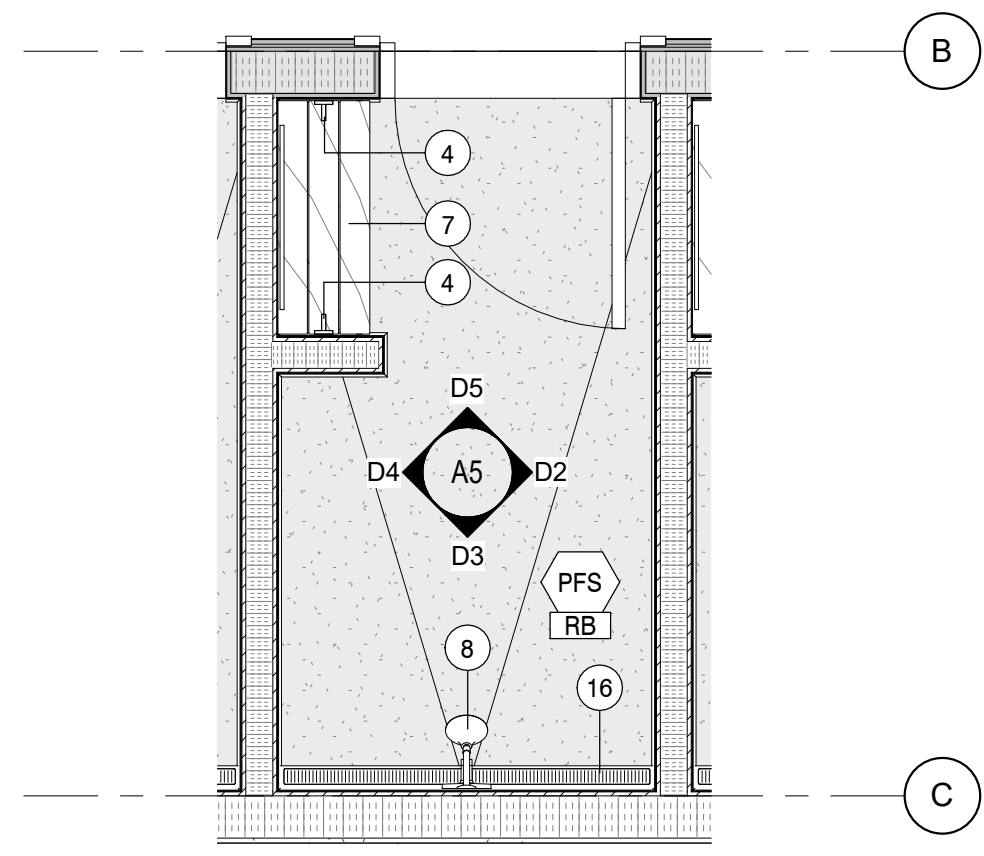
PWGSC Project Manager Administrateur de projet TPAGC

project number no. du projet

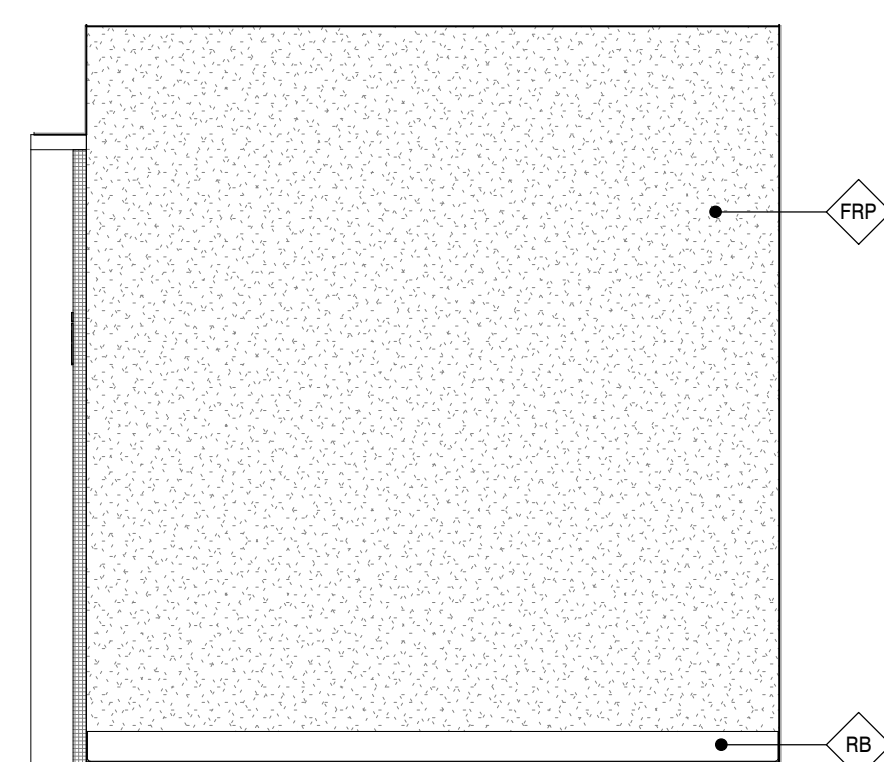
201-05173-00

drawing no. no. du dessin

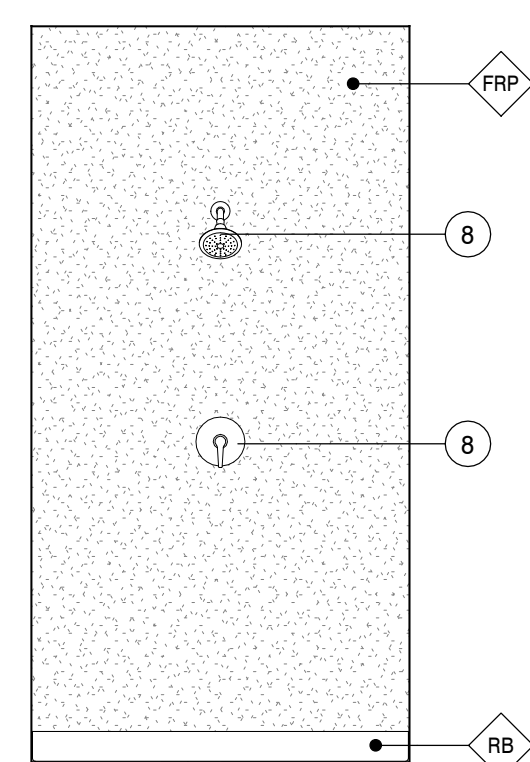
A5



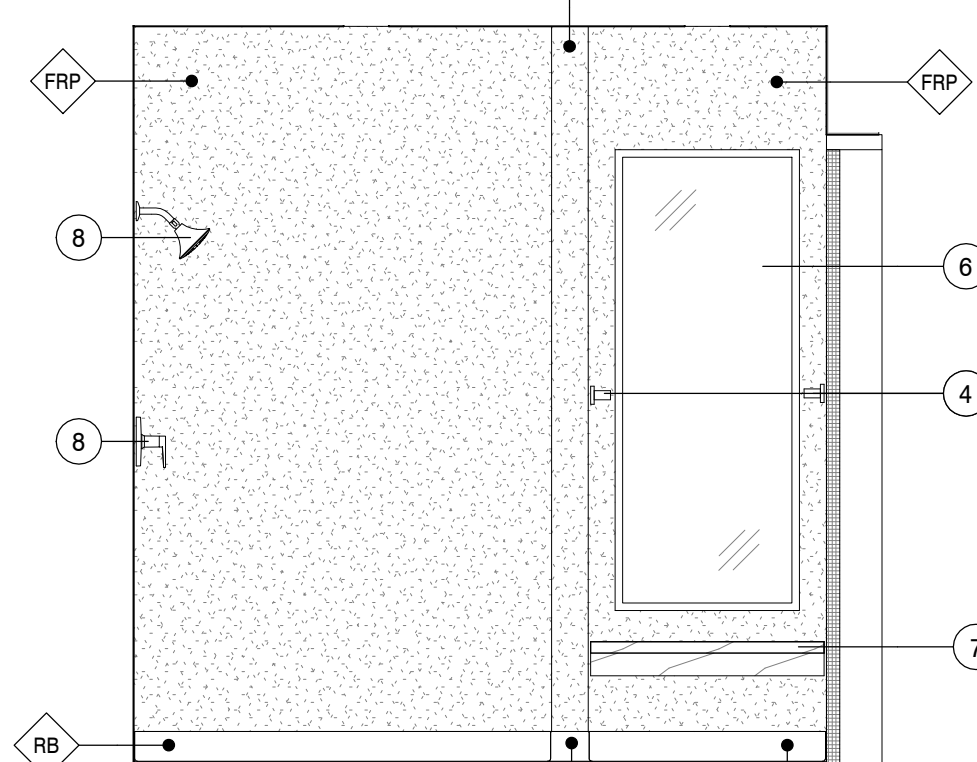
1:25 **D1** TYPICAL SHOWER



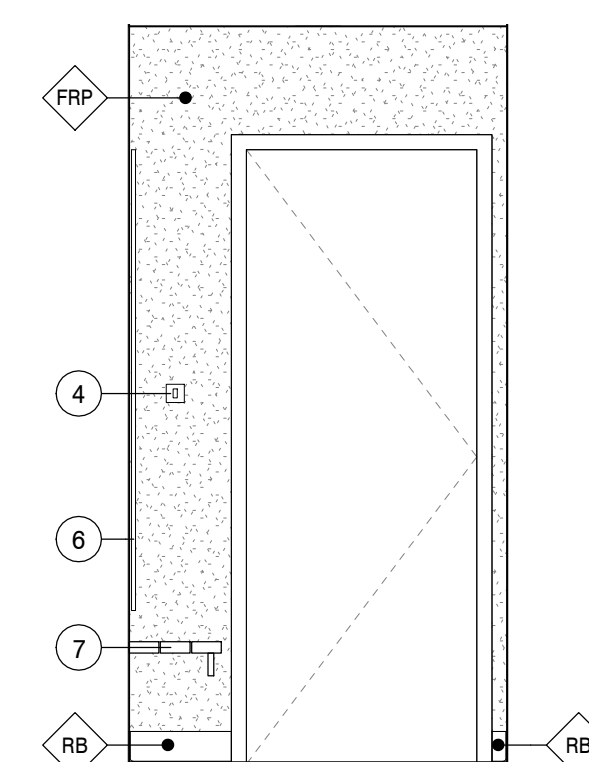
1:25 **D2** TYPICAL SHOWER EAST WALL ELEVATION



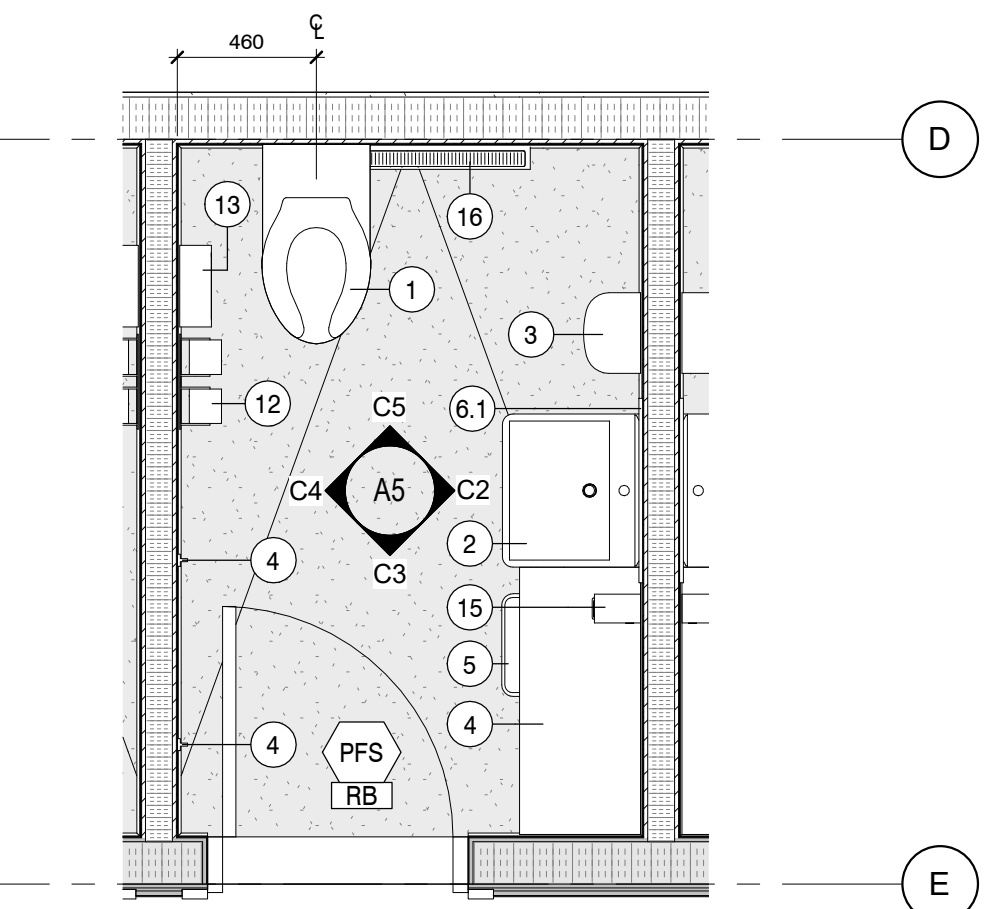
1:25 **D3** TYPICAL SHOWER SOUTH WALL ELEVATION



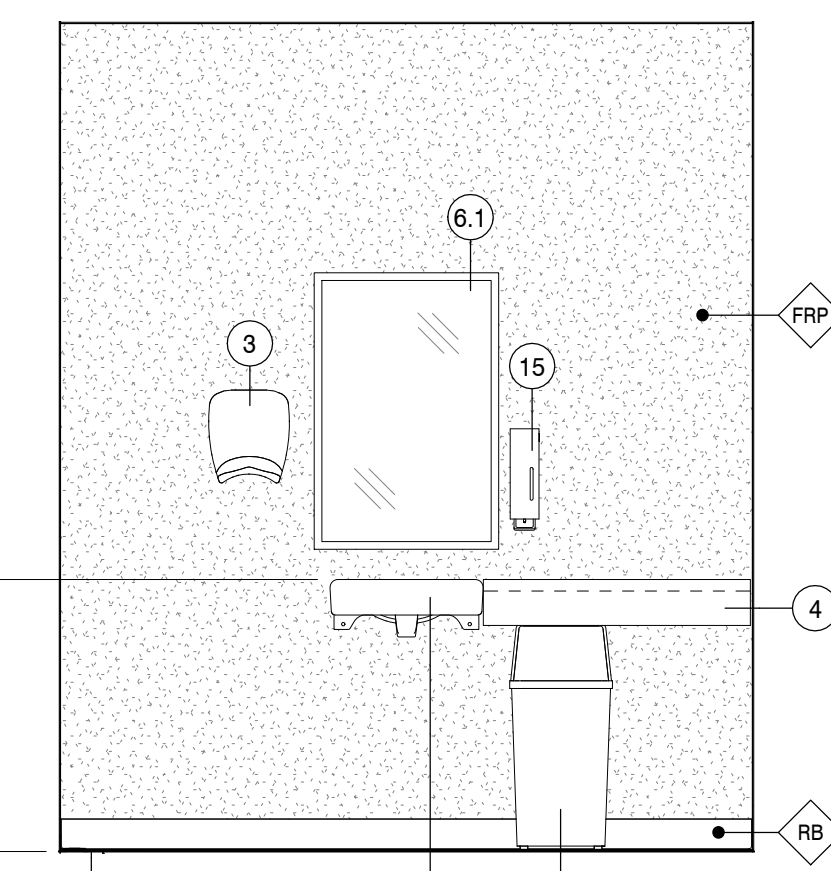
1:25 **D4** TYPICAL SHOWER WEST WALL ELEVATION



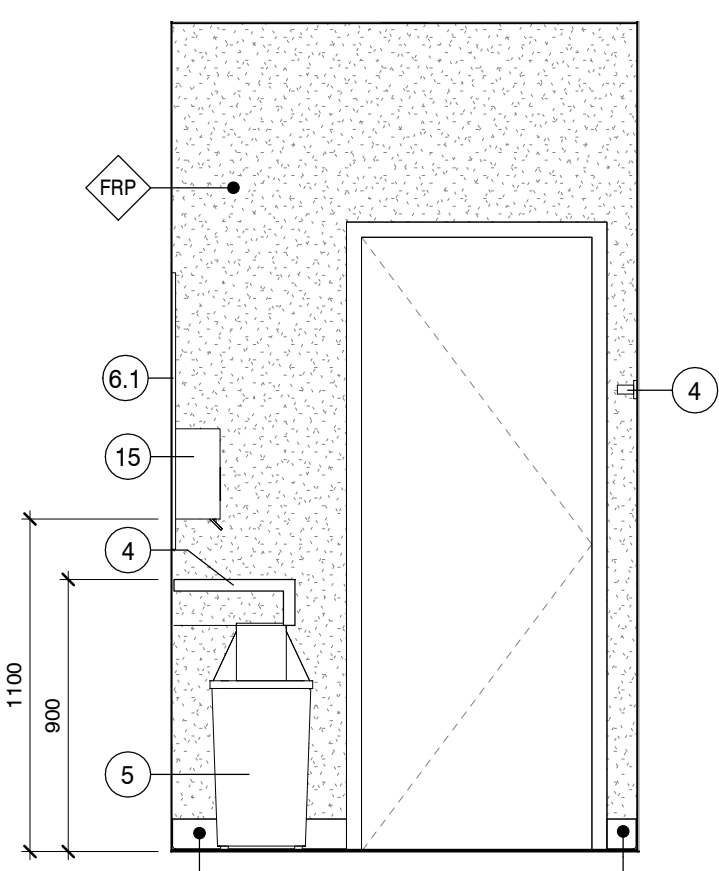
1:25 **D5** TYPICAL SHOWER NORTH WALL ELEVATION



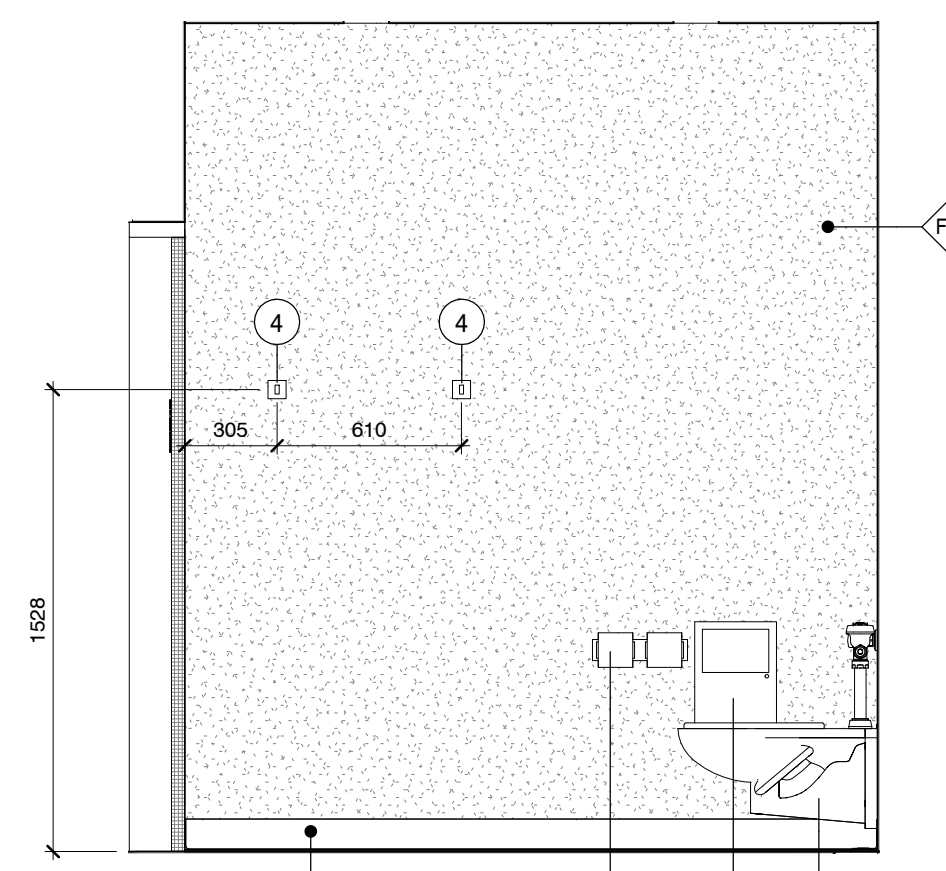
1:25 **C1** TYPICAL WASHROOM



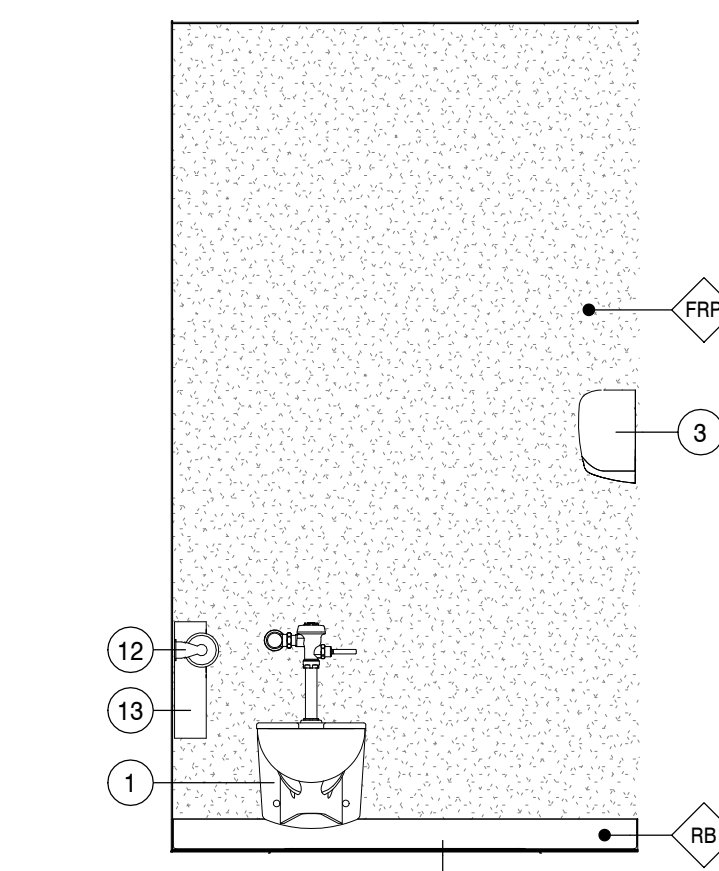
1:25 **C2** TYPICAL WASHROOM EAST WALL ELEVATION



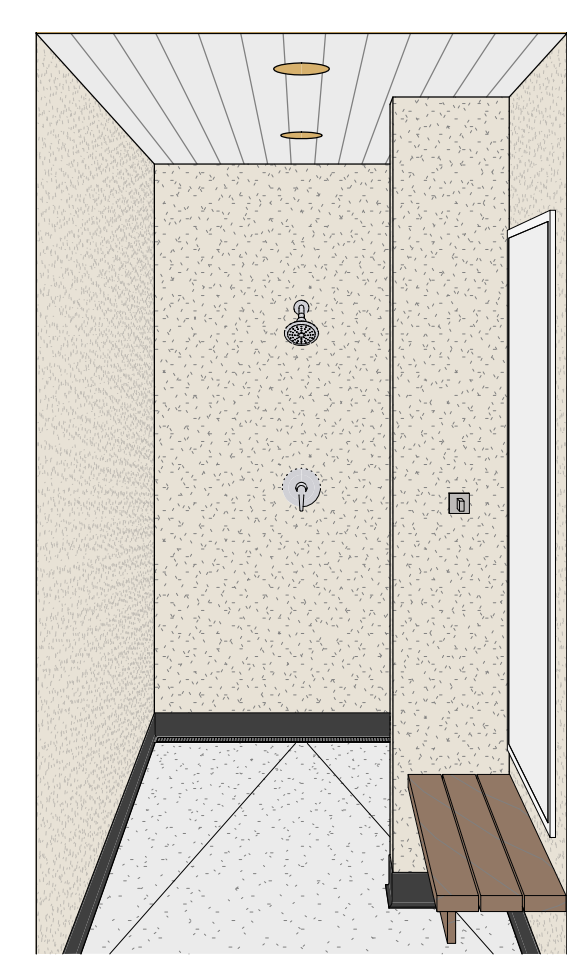
1:25 **C3** TYPICAL WASHROOM SOUTH WALL ELEVATION



1:25 **C4** TYPICAL WASHROOM WEST WALL ELEVATION



1:25 **C5** TYPICAL WASHROOM NORTH WALL ELEVATION



3D TYPICAL SHOWER
N.T.S.



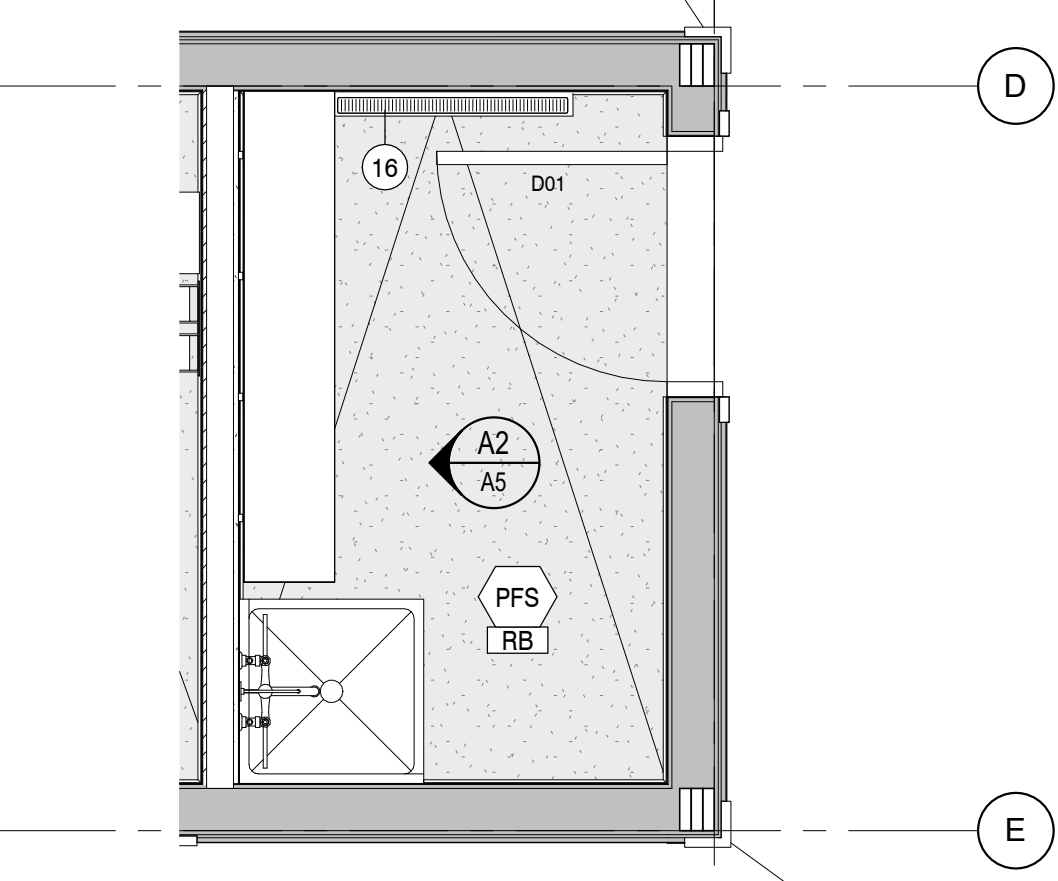
3D TYPICAL SHOWER - BENCH WALL
N.T.S.



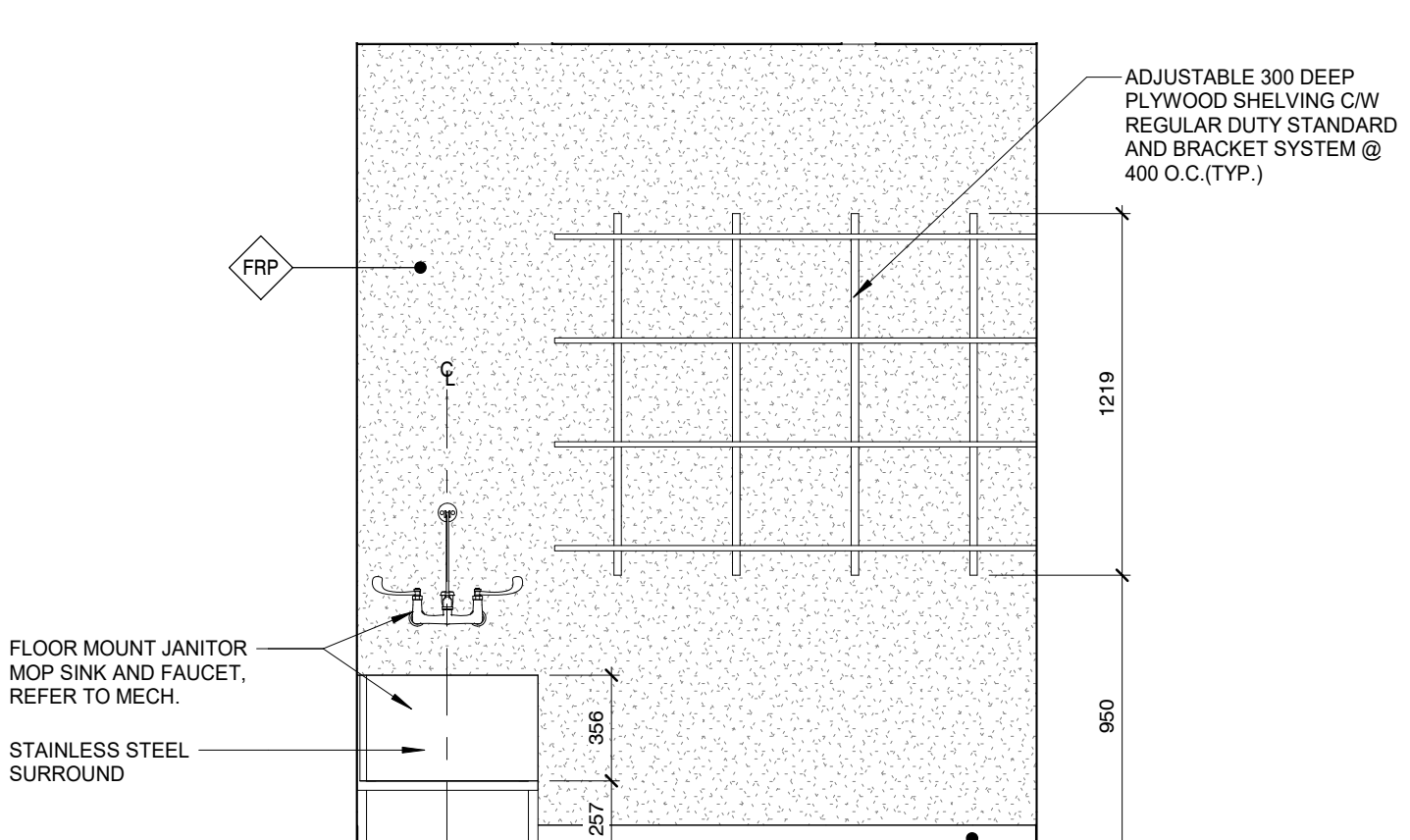
3D TYPICAL WASHROOM - BACK WALL
N.T.S.



3D TYPICAL WASHROOM - SINK WALL
N.T.S.



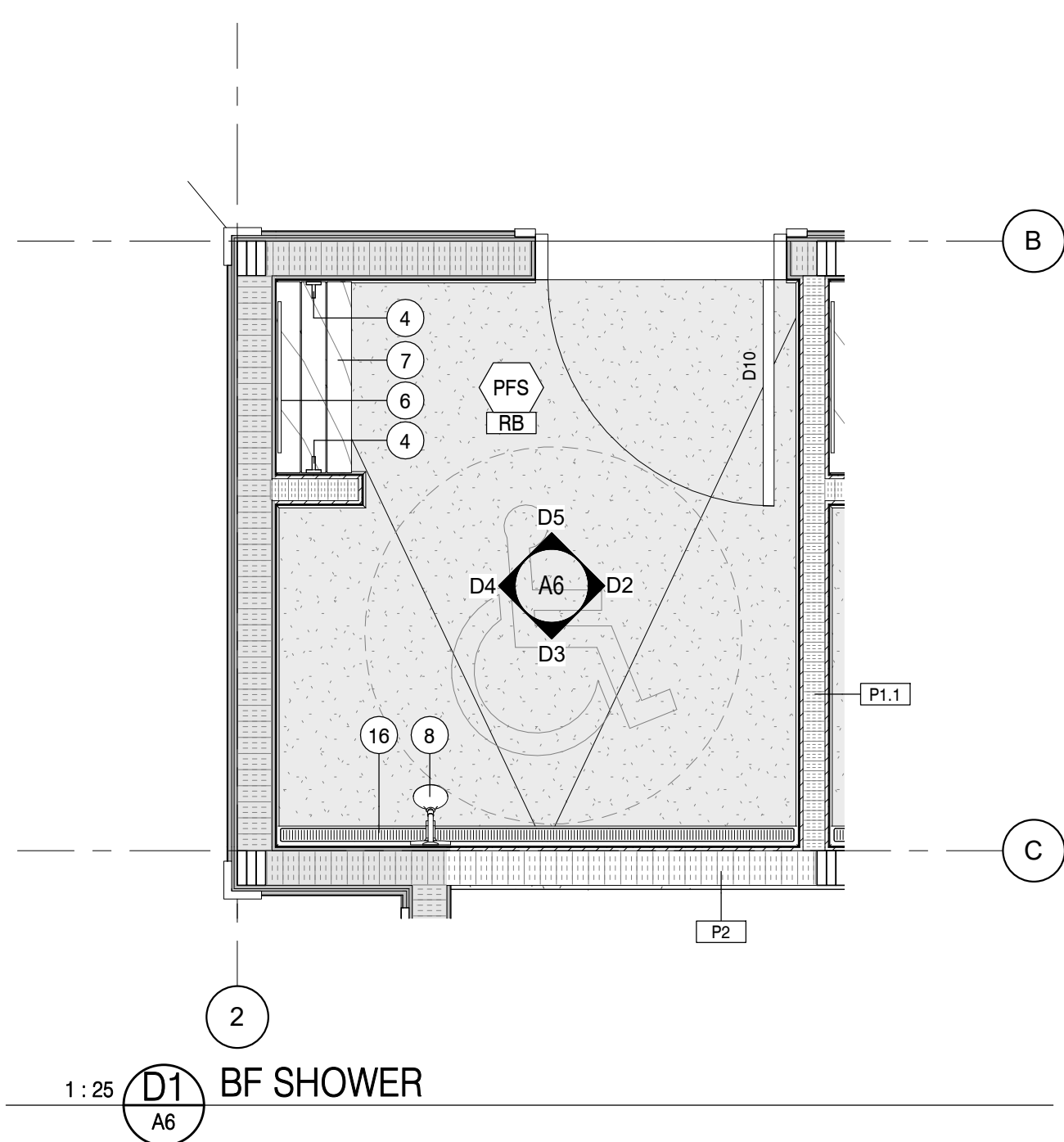
1:25 **A1** JANITOR ROOM



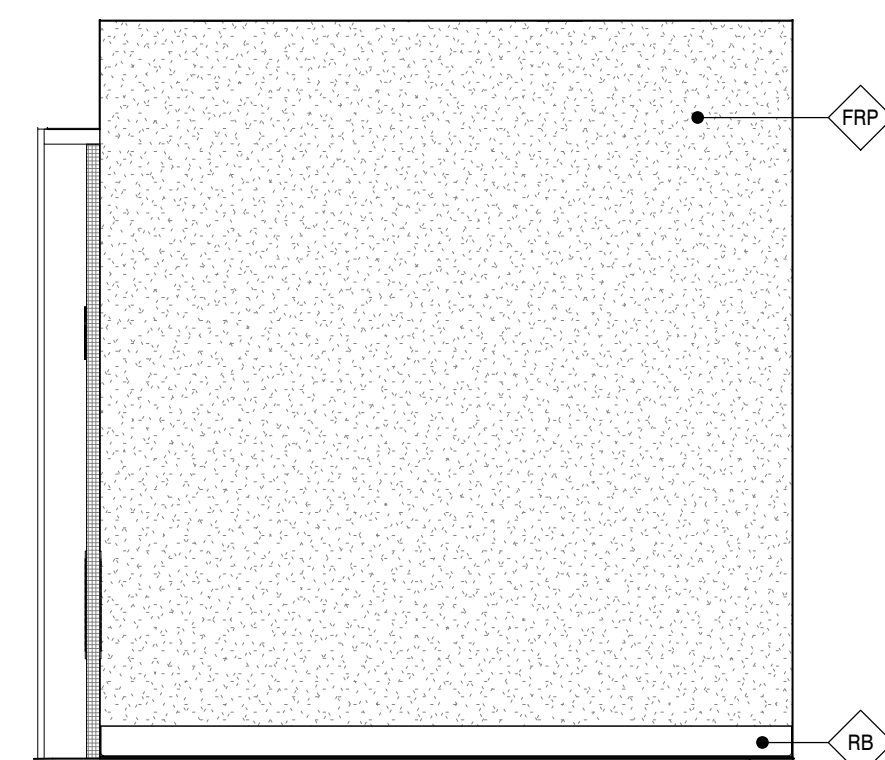
1:25 **A2** JANITOR ROOM - WEST WALL ELEVATION



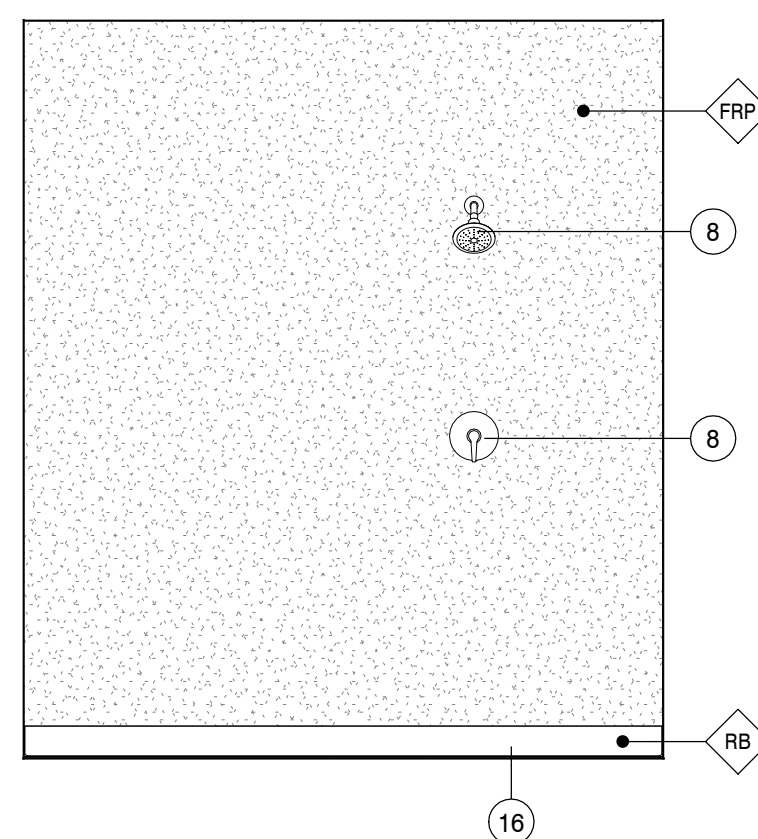
3D JANITOR ROOM - WEST WALL
N.T.S.



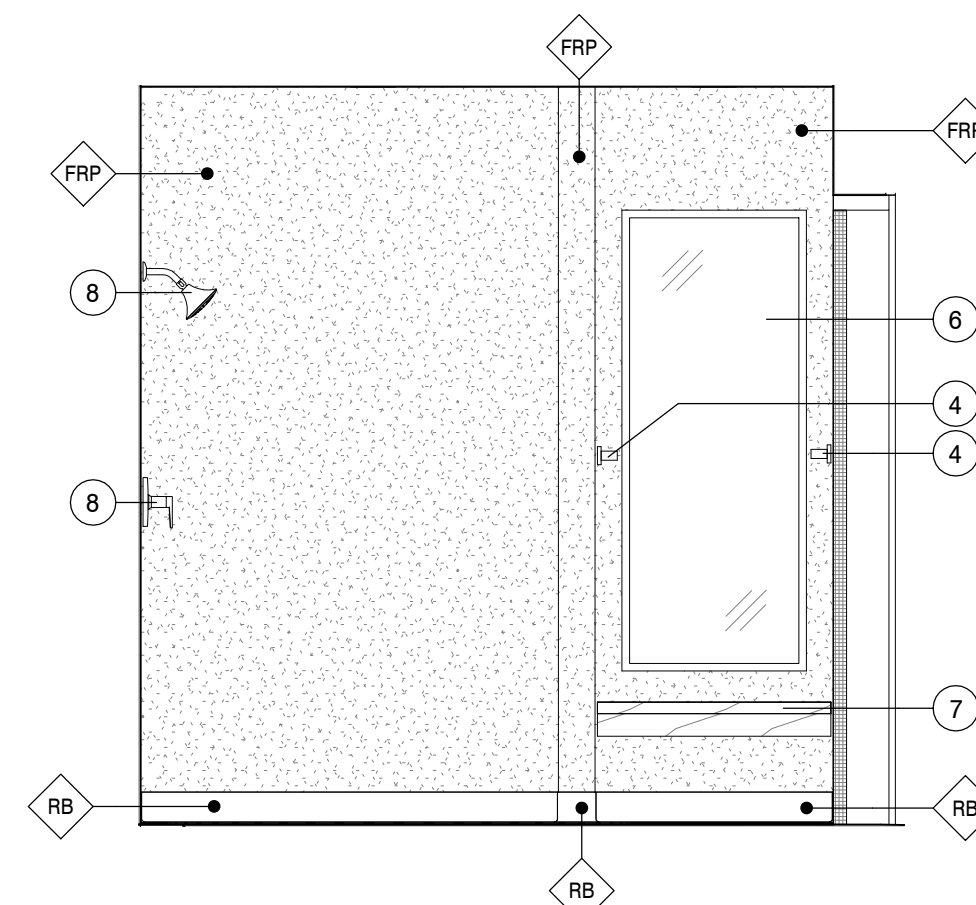
1:25 **D1** BF SHOWER



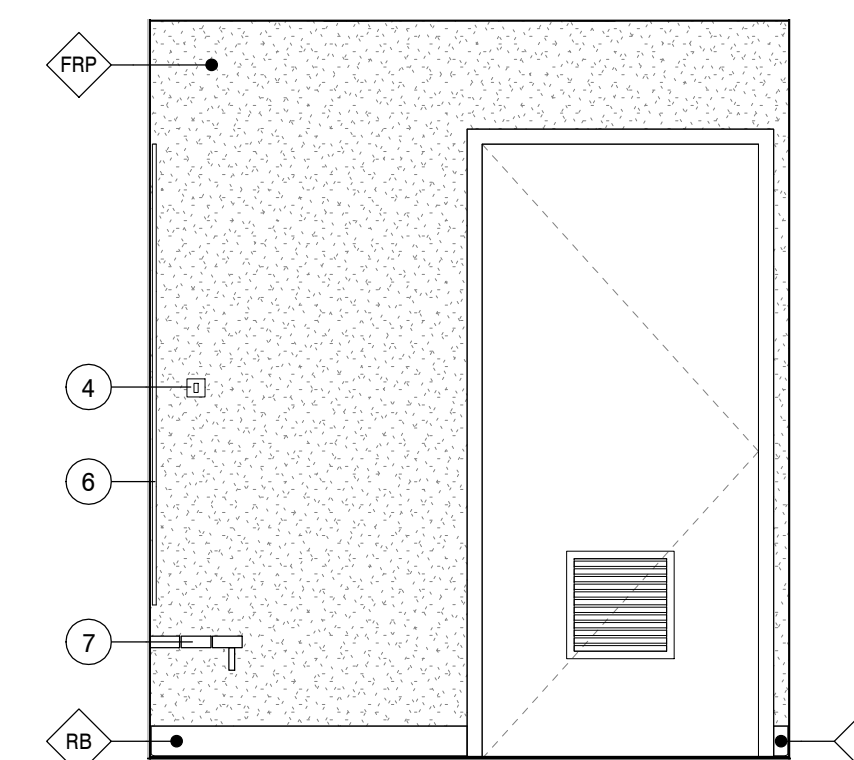
1:25 **D2** BF SHOWER EAST WALL ELEVATION



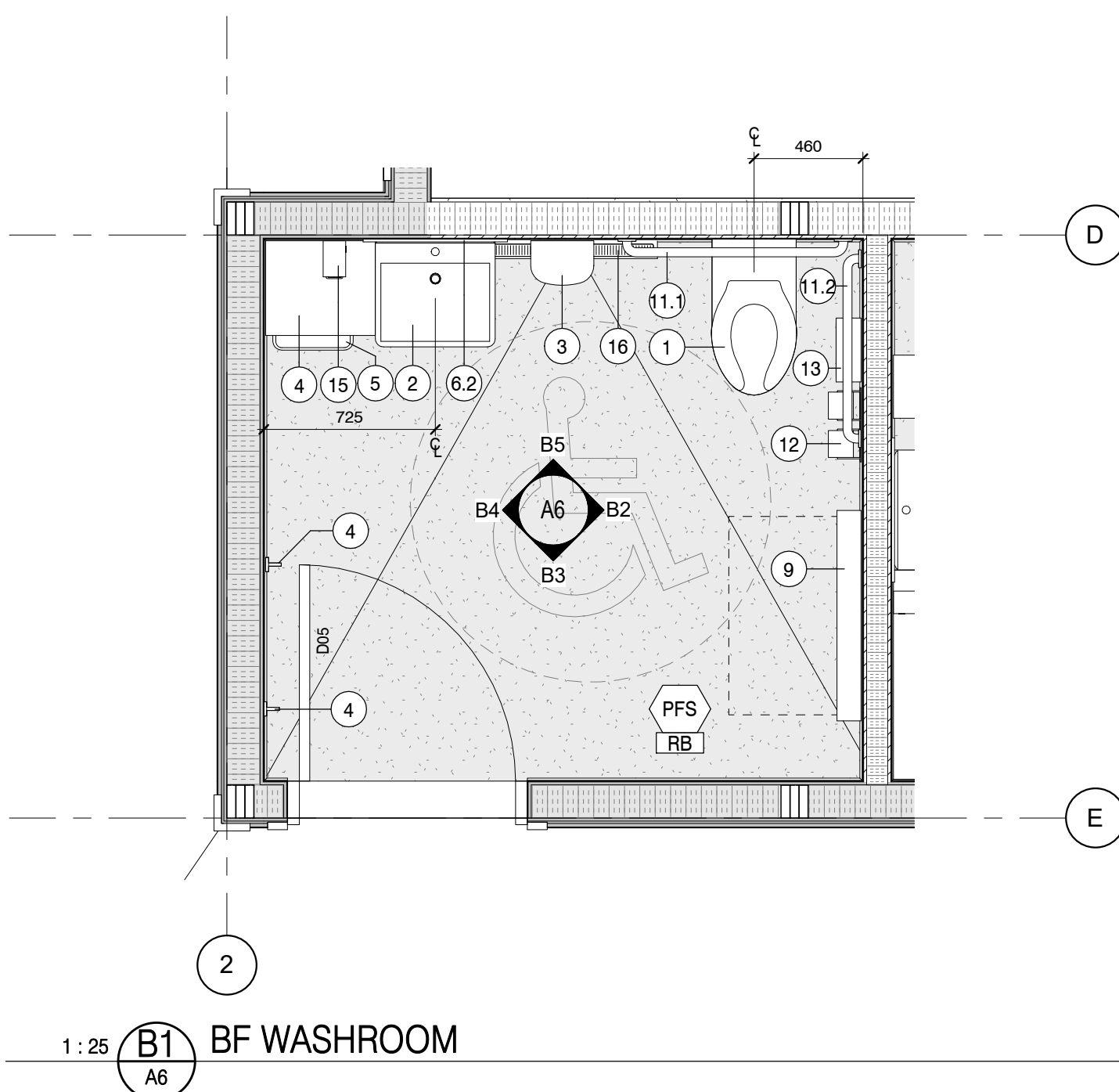
1:25 **D3** BF SHOWER SOUTH WALL ELEVATION



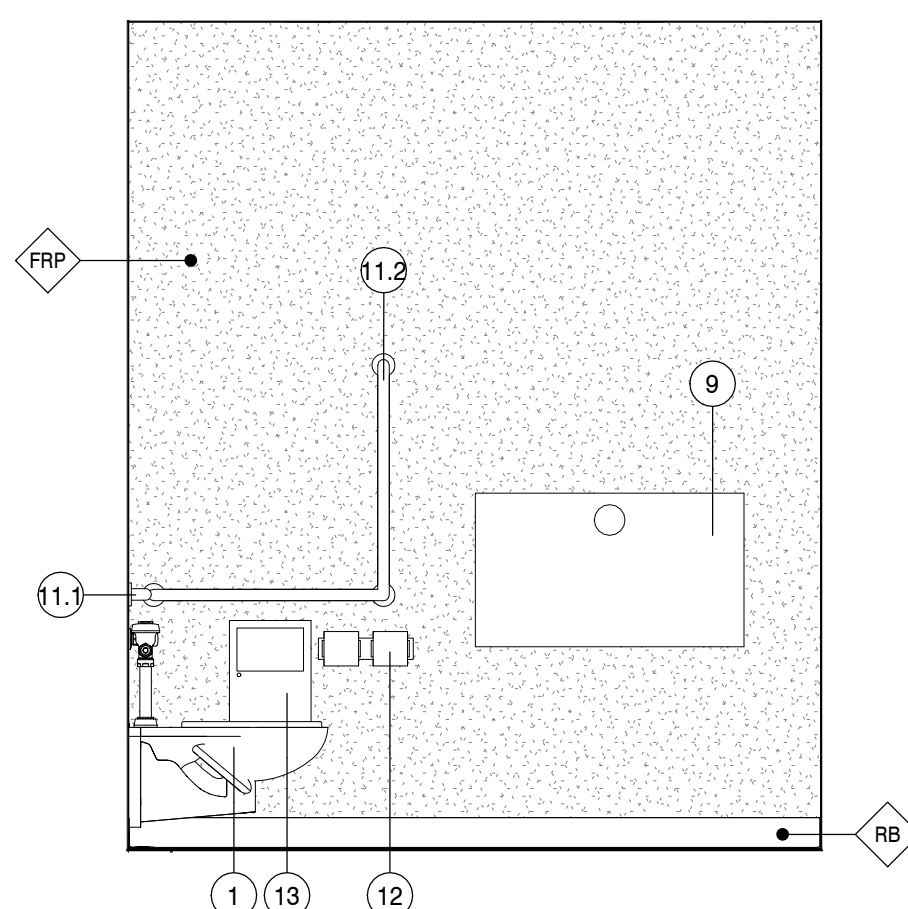
1:25 **D4** BF SHOWER WEST WALL ELEVATION



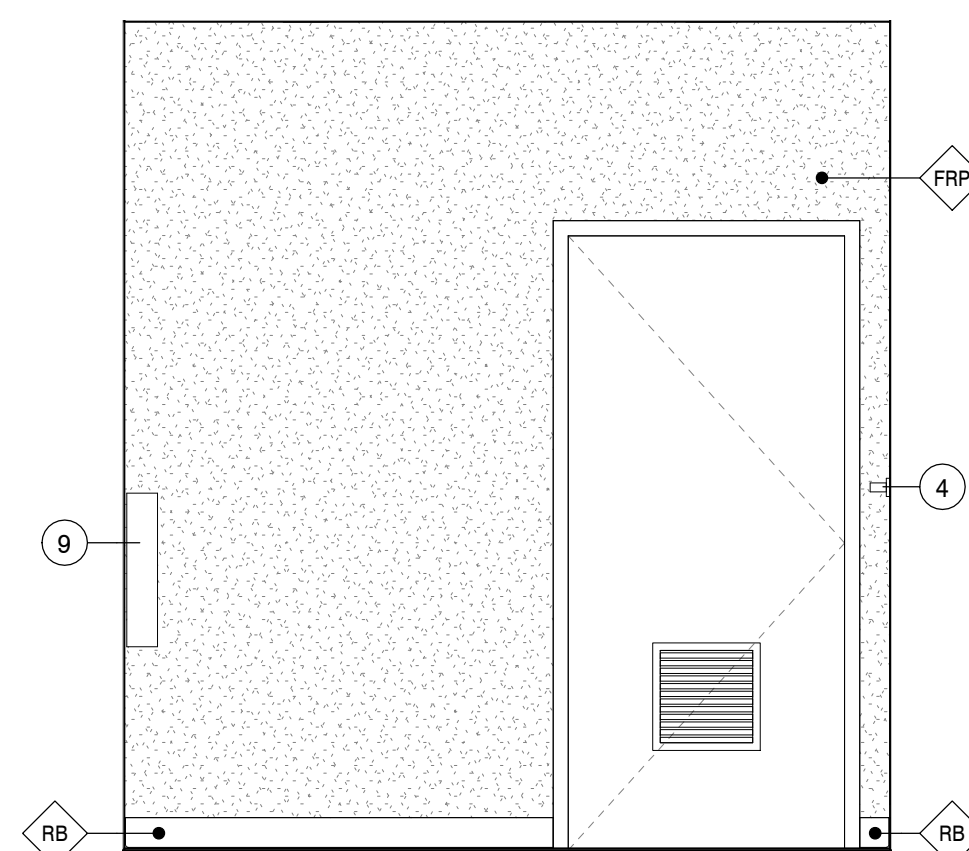
1:25 **D5** BF SHOWER NORTH WALL ELEVATION



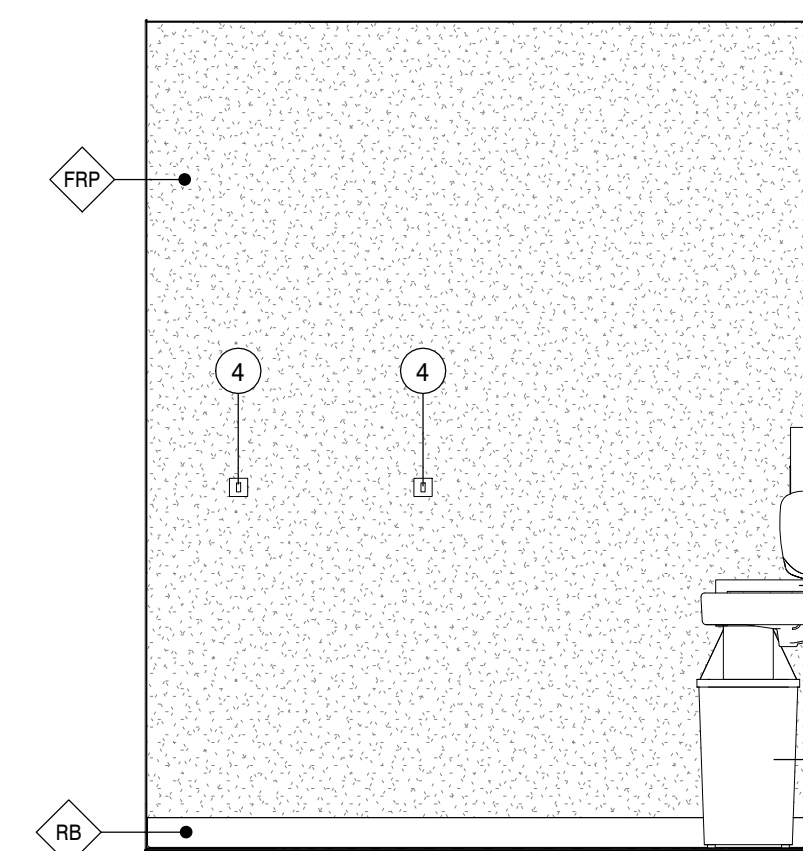
1:25 **B1** BF WASHROOM



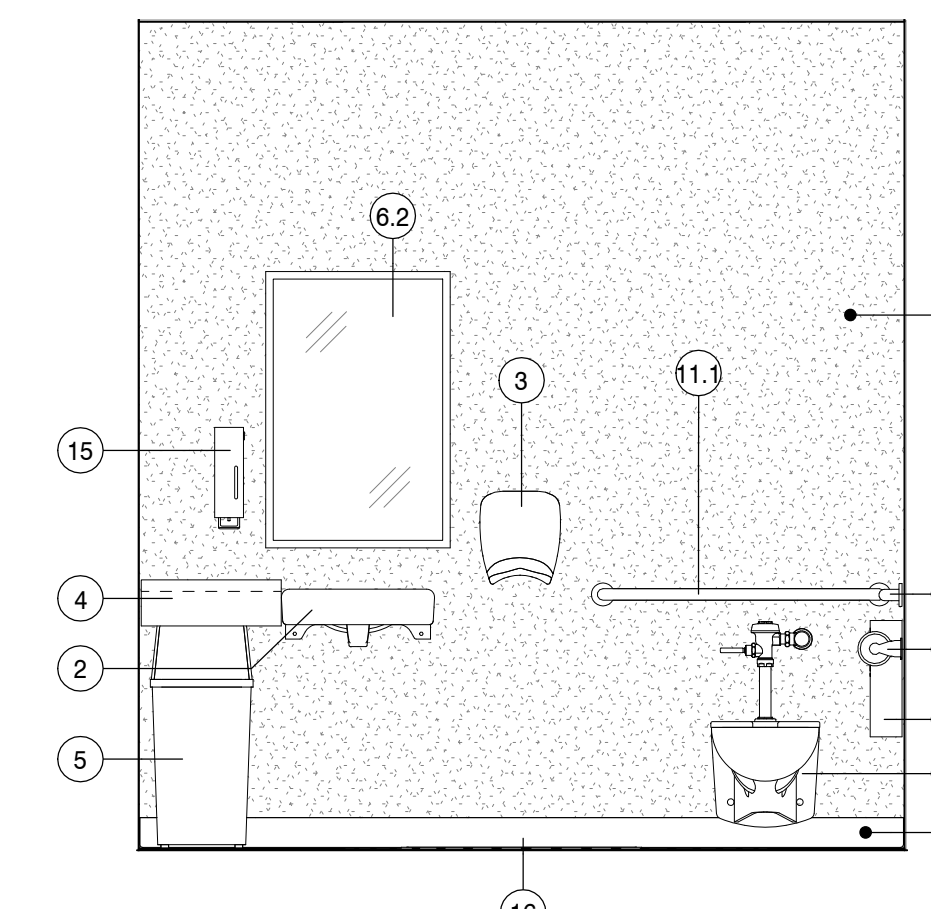
1:25 **B2** BF WASHROOM EAST WALL ELEVATION



1:25 **B3** BF WASHROOM SOUTH WALL ELEVATION



1:25 **B4** BF WASHROOM WEST WALL ELEVATION



1:25 **B5** BF WASHROOM NORTH WALL ELEVATION

ACCESSORIES LEGEND

- 1 COMMERCIAL WALL HUNG TOILET
- 2 COMMERCIAL SINK
- 3 FORCED AIR AUTOMATIC HAND DRYER
- 4 SHELF / WALL HOOKS
- 5 TRASH RECEPTACLE, OS/CI
- 6.1 WALL MIRROR, FIXED
- 6.2 WALL MIRROR, FIXED, TILTED
- 7 BENCH
- 8 SHOWER CONTROL / HEAD
- 9 FOLDING CHANGING TABLE
- 11.1 GRAB BARS, STRAIGHT, HORIZONTAL
- 11.2 GRAB BARS, L-SHAPED
- 12 TOILET PAPER DISPENSER, SURFACE MOUNTED
- 13 SANITARY DISPOSAL UNIT / DISPENSER, SURFACE MOUNTED
- 15 SOAP DISPENSER, SURFACE MOUNTED
- 16 LINEAR FLOOR DRAIN

OS/CI OWNER SUPPLIED / CONTRACTOR INSTALLED
OS/OI OWNER SUPPLIED / OWNER INSTALLED



3D BF SHOWER - SHOWER WALL
N.T.S.



3D BF SHOWER - BENCH WALL
N.T.S.



3D BF WASHROOM - NORTH WALL
N.T.S.



3D BF WASHROOM - EAST WALL
N.T.S.



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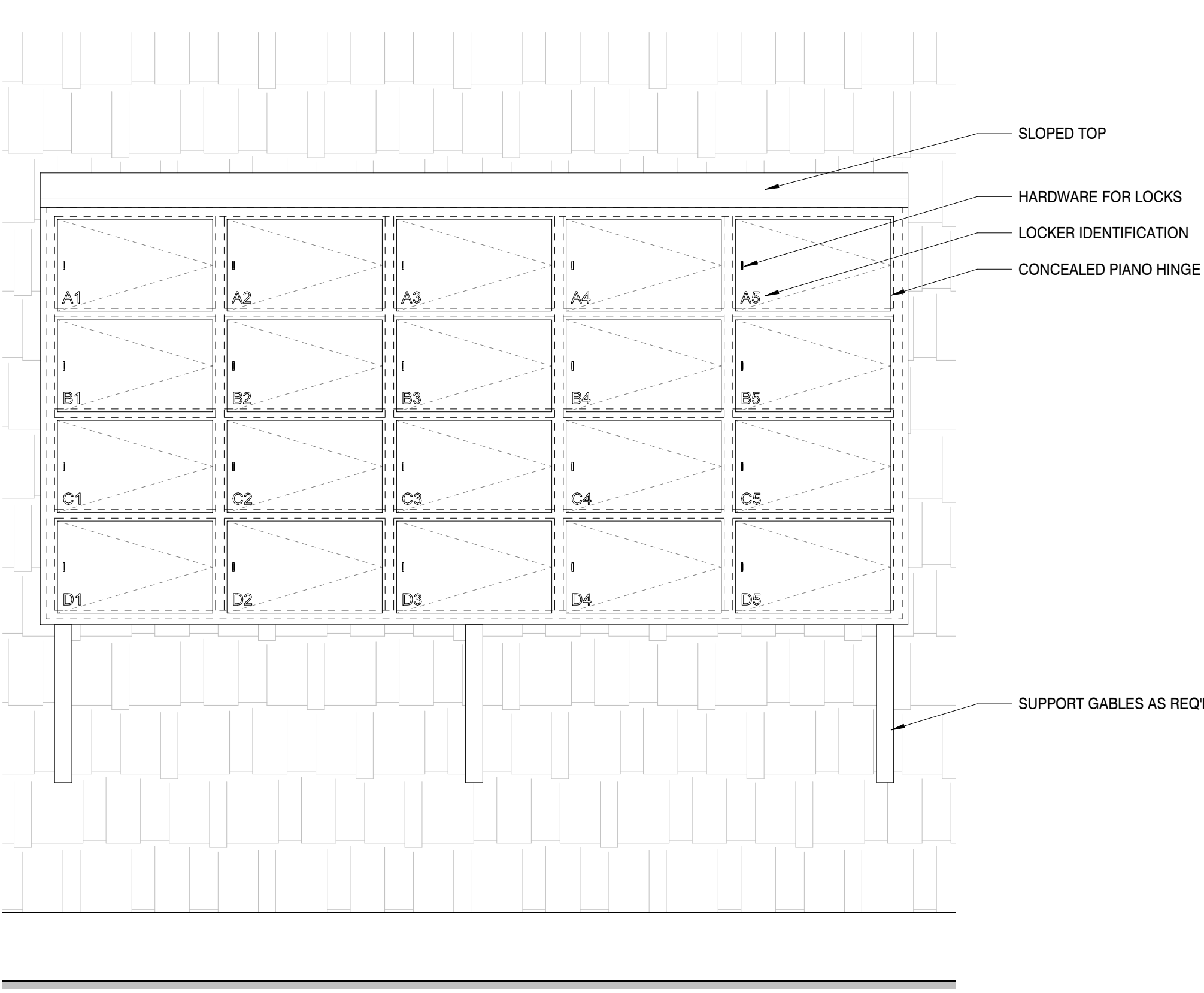
CAVENDISH WASHROOM FACILITY

ENLARGED PLANS & INTERIOR ELEVATIONS

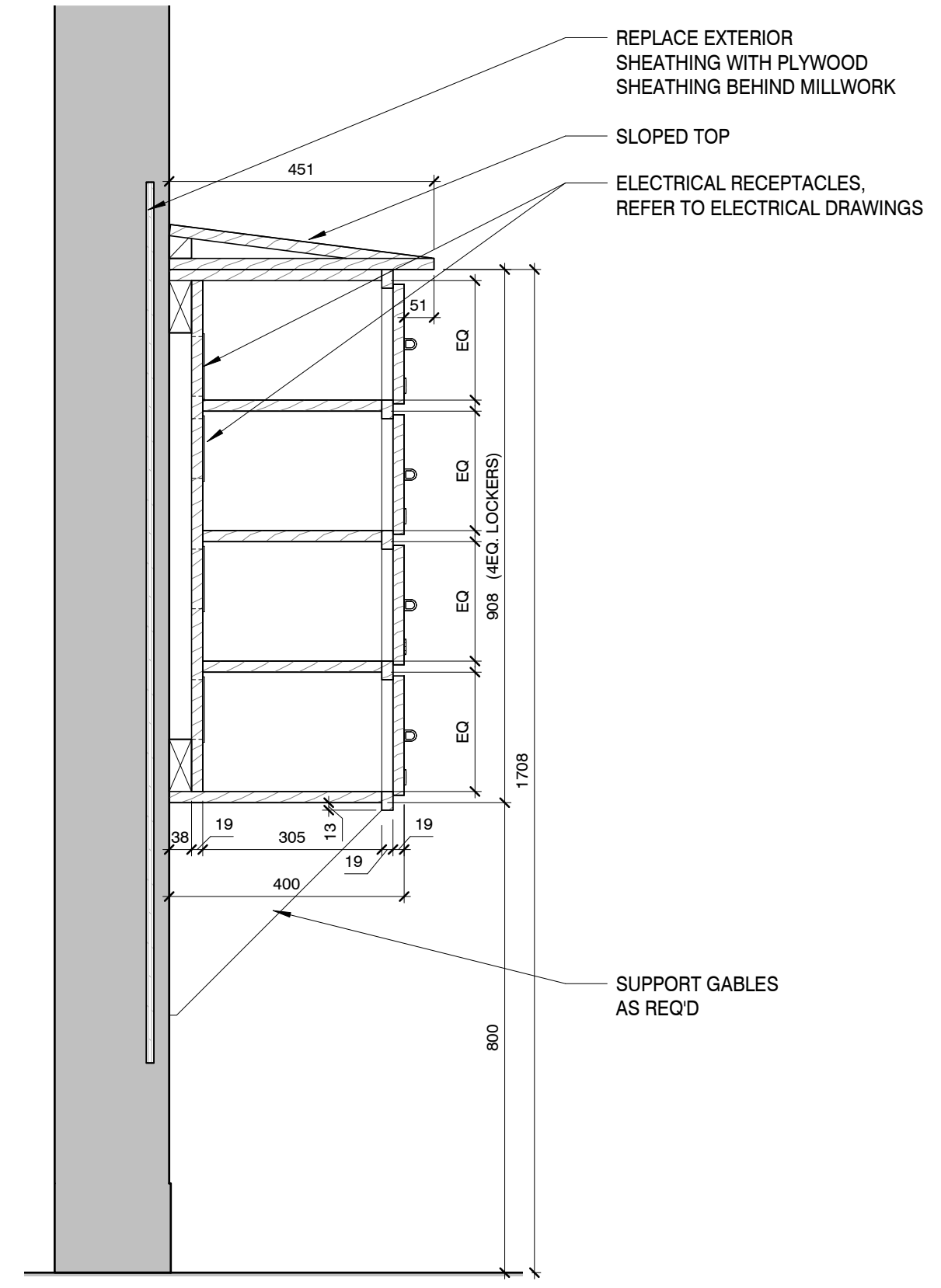
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date	2021-03-05	
drawn	IM	desain
date	2021-03-05	
approved	CM	approved
date	2021-03-05	

Tender	Submission
PWGSC Project Manager	Administrateur de projet TPSGC
project number	no. du projet
201-05173-00	

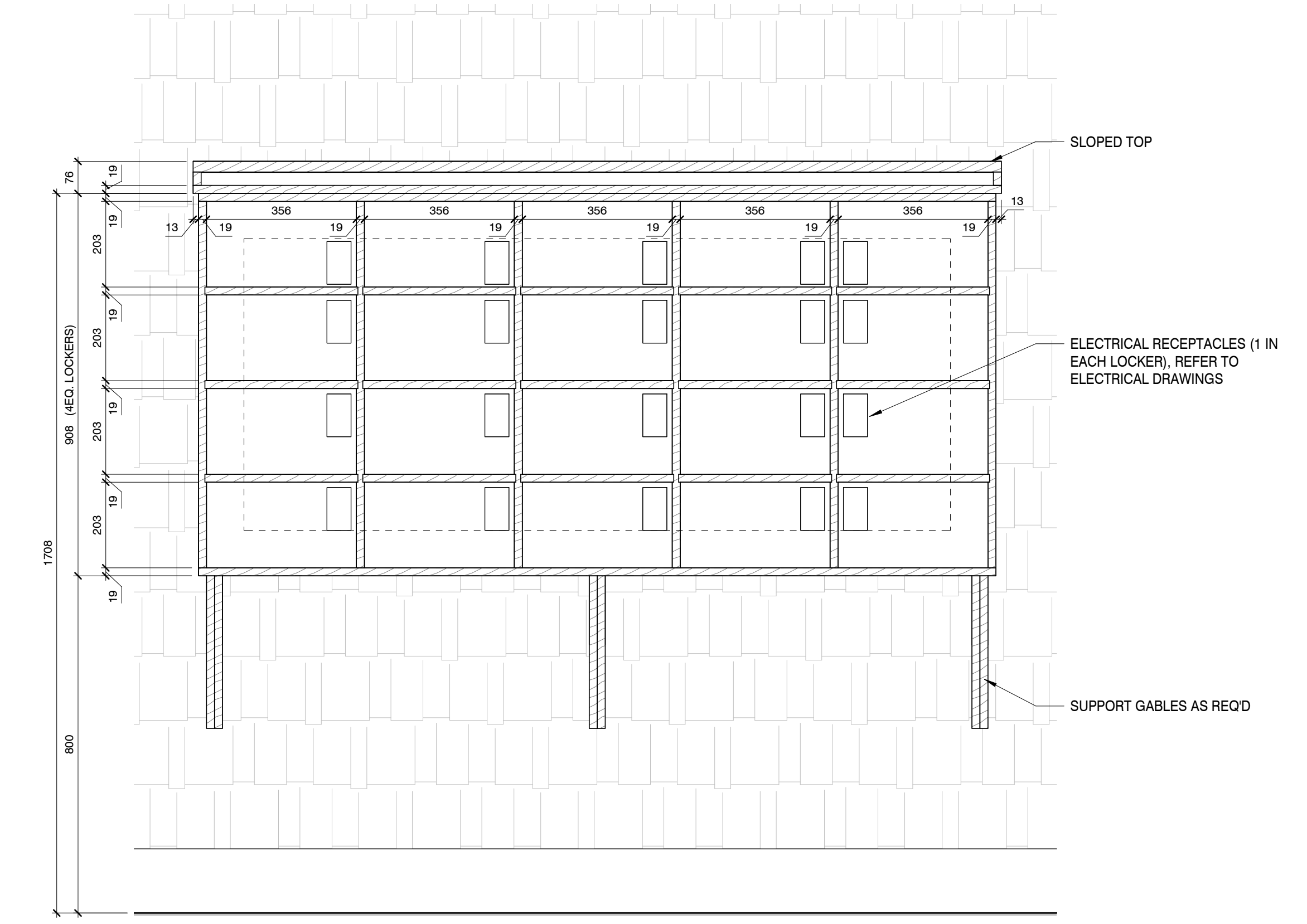
drawing no. **A6** no. du dessin



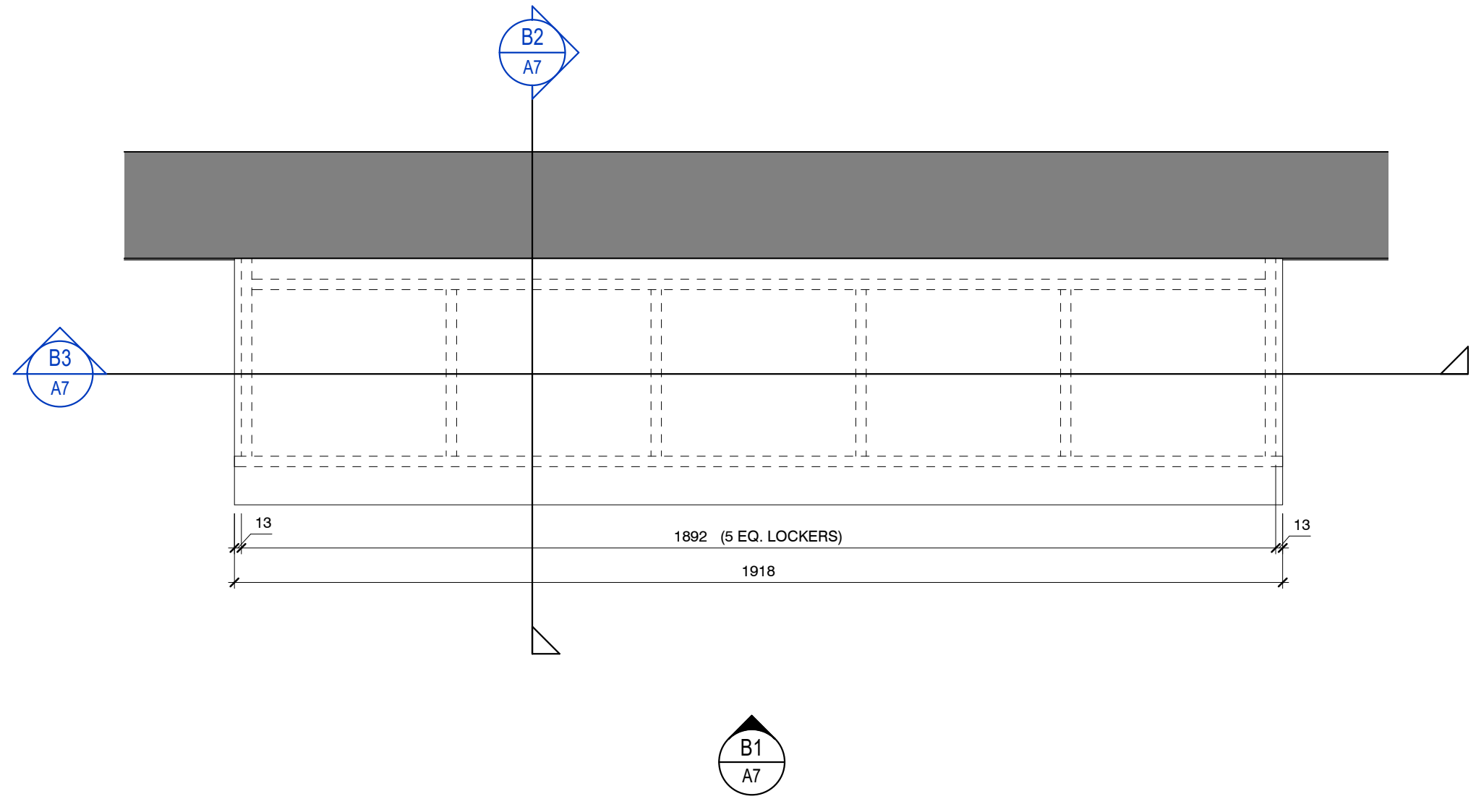
1:10 **B1** M1 - CHARGING LOCKERS - ELEVATION



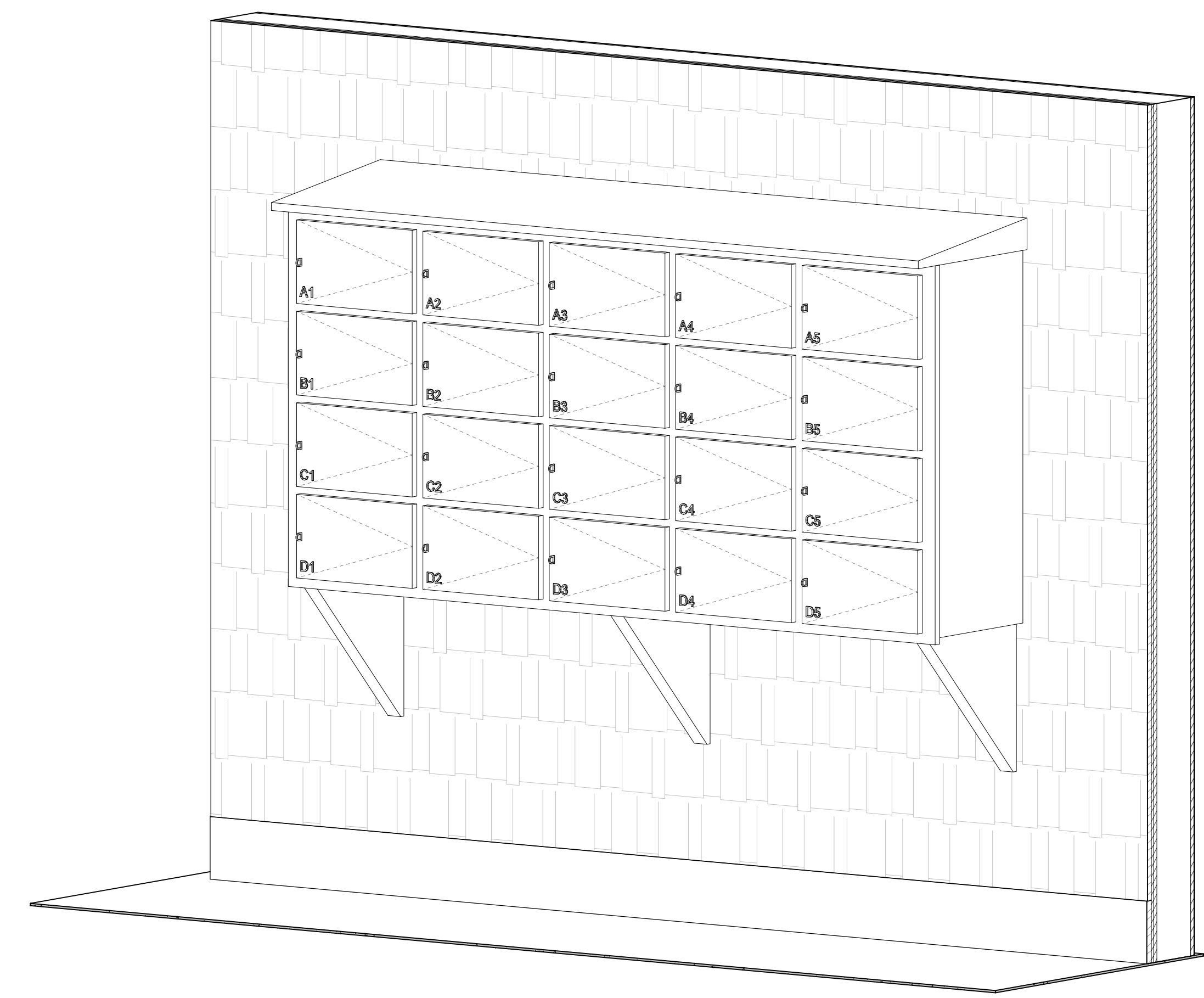
1:10 **B2** M1 - CHARGING LOCKERS - SECTION



1:10 **B3** M1 - CHARGING LOCKERS - SECTION 2



1:10 **A1** M1 - CHARGING LOCKERS - PLAN



A3 M1 - CHARGING LOCKERS - 3D

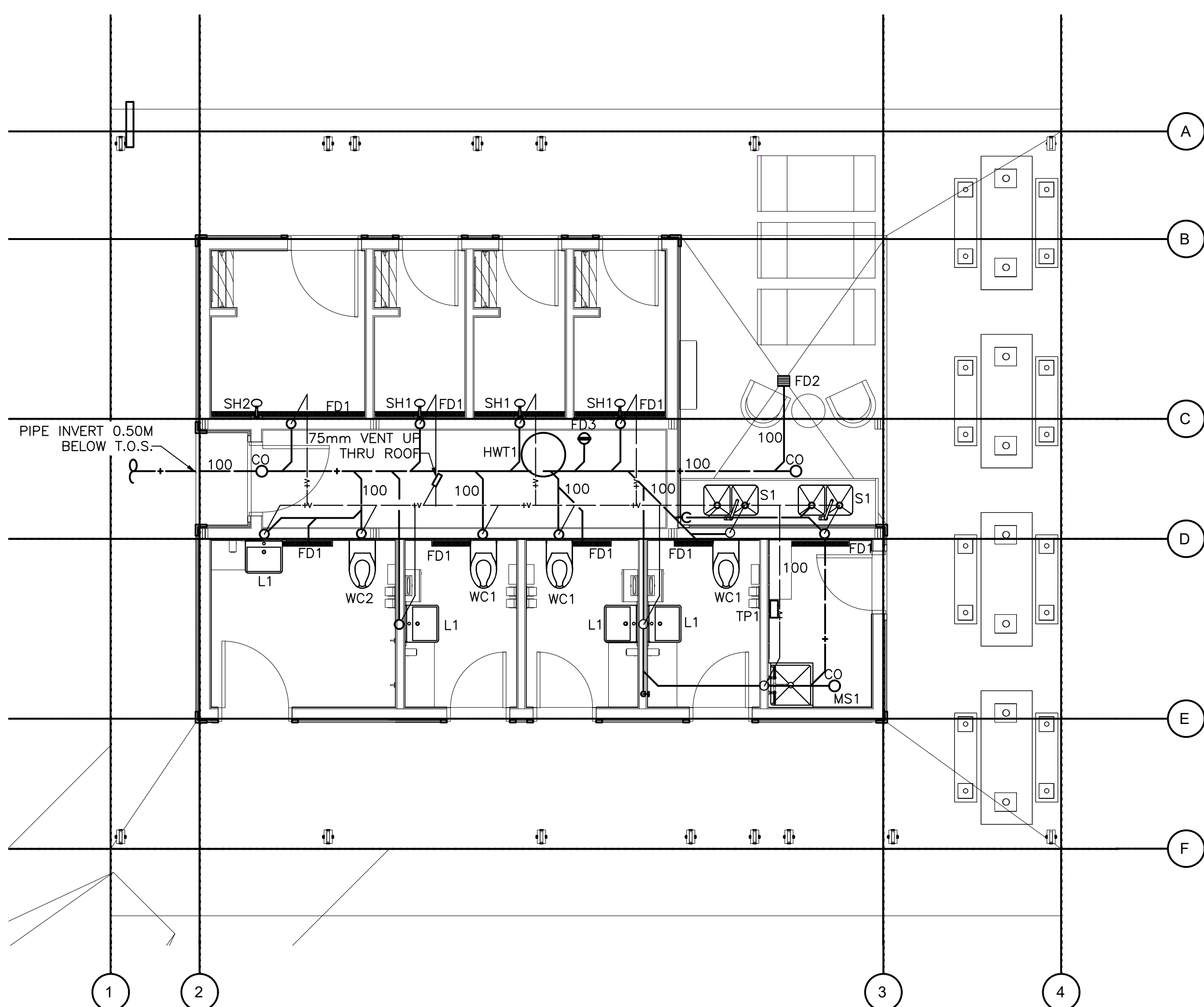


revisions	date
0	ISSUED FOR TENDER 2021-03-05

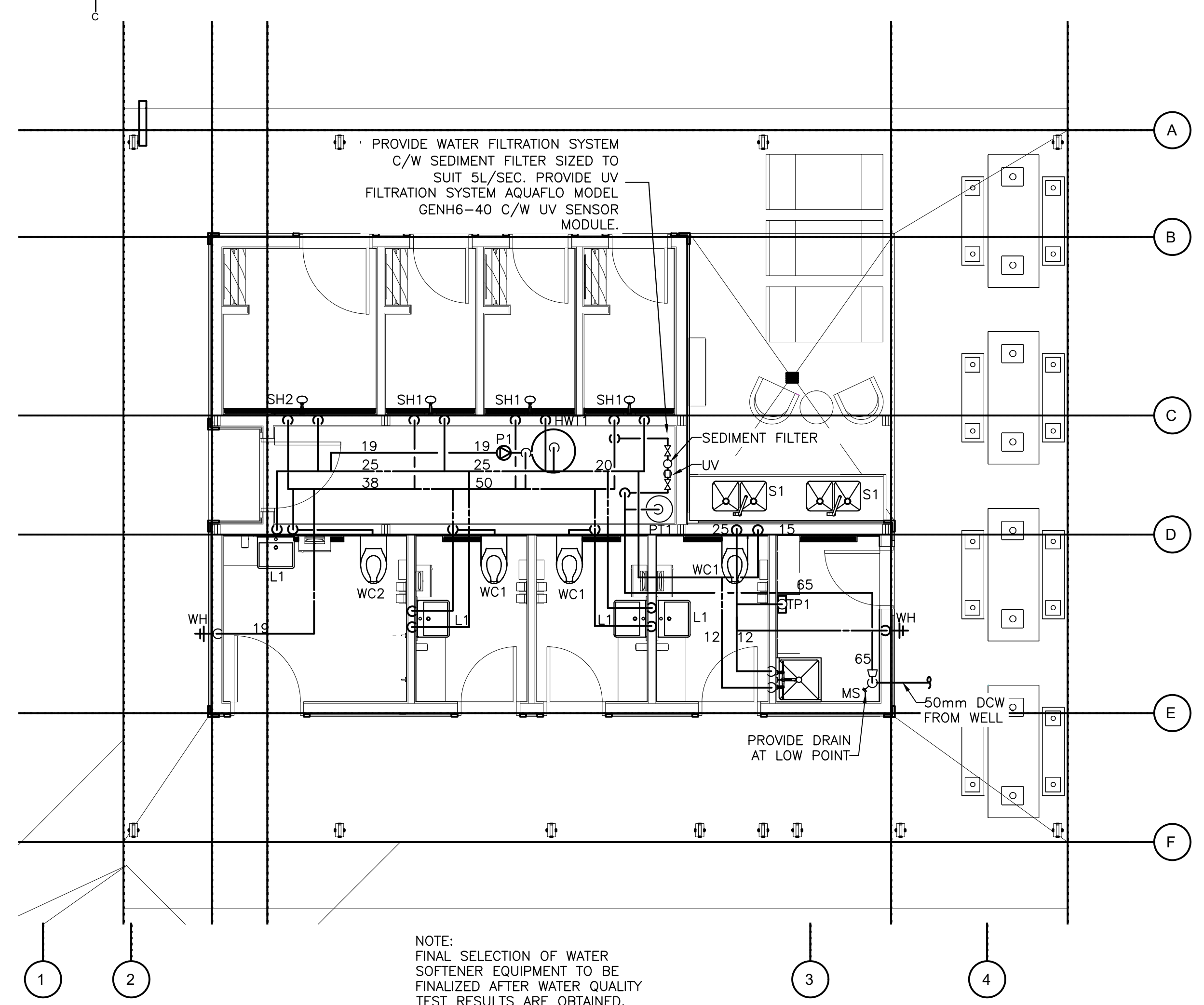
CAVENDISH WASHROOM FACILITY
 drawing design

MILLWORK
 designed MC compu
 date 2021-03-05
 drawn IM dessin
 date 2021-03-05
 approved CM approve
 date 2021-03-05
 Tender Submission
 PWGSC Project Manager Administrateur de projet TPSGC
 project number no. du projet
201-05173-00

drawing no. no. du dessin
A7



1 FLOOR PLAN - DRAINAGE
 P1 SCALE: 1:50



2 FLOOR PLAN - DOMESTIC WATER
 P1 SCALE: 1:50

LEGEND
 DOMESTIC COLD WATER
 DOMESTIC HOT WATER
 DOMESTIC HOT WATER RECIRC.

NOTES
 1. SITE SERVICE LOCATIONS TO BE CONFIRMED ON SITE. DRAINAGE AND DOMESTIC WATER PIPING MAY NEED TO BE REVISED TO SUIT.
 2. ALL FLOOR DRAINS TO BE TRAP PRIMED, SERVED BY TP1.

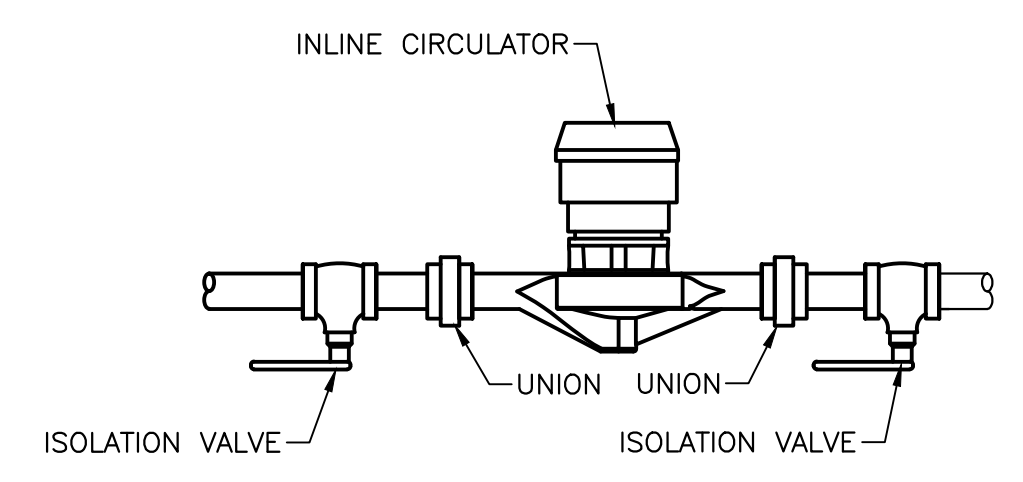
PLUMBING FIXTURE SERVICING						
TAG	TYPE	COLD	HOT	DRAIN	VENT	ACCESSORIES
S-1	STAINLESS STEEL SINK	12	12	38	38	DOUBLE BOWL, STAINLESS STEEL KITCHEN SINK, C/W 2 LEVERS HANDLES ADA ACCESSIBLE FAUCET, MAX. FLOW RATE 8.3 LPM, POLISHED CHROME FINISH
L-1	LAVATORY, METERED FAUCET	12	12	32	32	HEAVY GAUGE TYPE 304 POLISHED SATIN STAINLESS STEEL, WALL MOUNTED, ADA COMPLIANT, VANDAL RESISTANT, MANUAL PUSH BUTTON METERED FAUCET 1.9 LPM FLOW RATE.
WC-1	TOILET, WALL MOUNTED, FLUSH VALVE	25	-	75	50	STAINLESS STEEL, ELONGATED WALL MOUNTED 4.8 LPF, REAR OUTLET, REAR SPUD, WHITE ELONGATED OPEN FRONT TOILET SEAT LESS COVER WALL MOUNTED, CONCEALED FLUSHMETER, BATTERY OPERATED, 4.8 LPF, INFRARED SENSOR.
WC-2	ADA TOILET, FLOOR MOUNTED, FLUSH VALVE	25	-	75	50	STAINLESS STEEL, ELONGATED WALL MOUNTED 4.8 LPF, BACK OUTLET, REAR SPUD, WHITE ELONGATED OPEN FRONT TOILET SEAT WITH COVER WALL MOUNTED, CONCEALED FLUSHMETER, BATTERY OPERATED, 4.8 LPF, INFRARED SENSOR.
SH-1	SHOWER	12	12	50	38	SINGLE METAL HANDLE, PRESSURE BALANCING MIXING VALVE, SINGLE BRONZE STEM, STAINLESS STEEL BALANCING PISTON, INTEGRAL WITH STEM ASSEMBLY, LIMIT STOP SCREW IN CAP, ALL EXPOSED TRIM WITH POLISHED NICKEL CHROME PLATED SURFACE. VALVE SUPPLIED WITH LARGE BRASS ADJUSTABLE SHOWER HEAD, 5.7 LPM FLOW RATE NON-REMOVABLE FLOW COMPENSATOR.
SH-2	ADA SHOWER	12	12	-	-	SINGLE METAL HANDLE, PRESSURE BALANCING MIXING VALVE, SINGLE BRONZE STEM, STAINLESS STEEL BALANCING PISTON, INTEGRAL WITH STEM ASSEMBLY, LIMIT STOP SCREW IN CAP, ALL EXPOSED TRIM WITH POLISHED NICKEL CHROME PLATED SURFACE. VALVE SUPPLIED WITH LARGE BRASS ADJUSTABLE SHOWER HEAD, 1500mm METAL FLEXIBLE HOSE, 600mm MOUNTING BAR, 5.7 LPM FLOW RATE NON-REMOVABLE FLOW COMPENSATOR.
MS-1	MOP SINK	12	12	38	32	600 x 600 MOLDED HIGH DENSITY SERVICE SINK, PVC DRAIN, STAINLESS STEEL STRAINER, BUMPER GUARD, HOSE AND HOSE BRACKET, MOP HANGAR, AND WALL GUARD, WALL MOUNTED, POLISHED CHROME PLATED FAUCET WITH CERAMIC DISK CARTRIDGES, INTEGRAL STOPS, CAST BRASS SPOUT WITH VACUUM BREAKER, 20mm THREADED HOSE OUTLET, PAIL HOOK AND WALL BRACE.
HWT-1	HOT WATER TANK	25	25	-	-	455L, 54 KW, ELECTRIC WATER HEATER, T&P RELIEF VALVE, MIXING VALVE WITH EMERGENCY COLD WATER BYPASS, STORAGE TEMPERATURE TO BE 70°C, DISTRIBUTED AT 50°C, ELECTRICAL 208/60/3.
FD1	LINEAR TRENCH DRAIN	-	-	50	38	LINEAR TRENCH DRAIN, LENGTH TO SUIT ARCHITECTURAL DRAWINGS.
FD2	FLOOR DRAIN	-	-	100	38	CAST IRON, ADJUSTABLE EPOXY COATED STRAINER, CAST IRON COLLAR
FD3	FUNNEL FLOOR DRAIN	-	-	100	38	COMPLETE WITH A 75mm x 230mm POLISHED NICKEL BRONZE STRAINER, ONE PIECE OVAL FUNNEL WITH FULL PORT OPENING, CAST IRON COLLAR AND CLAMPING RING.
WH	NON-FREEZE WALL HYDRANT	20	-	-	-	ENCASED ANTI-SIPHON DRAINING WALL HYDRANT FOR FLUSH INSTALLATION C/W INTEGRAL BACKFLOW PREVENTER, COPPER CASING, ALL BRONZE INTERIOR PARTS WITH 1/2 TURN CERAMIC DISC CARTRIDGE
TP1	ELECTRONIC TRAP PRIMER	20	-	-	-	ELECTRONIC TRAP PRIMER, 120V, SERVES UP TO 12 DRAINS, 15mm OUTLETS ON MANIFOLD, C/W VACUUM BREAKER, PRE-SET 24 HOUR CHANGE, SURFACE MOUNT CABINET.

WATER TREATMENT SCHEDULE					
TAG	TYPE	FLOW RATE (L/SEC)	CONNECTION SIZE	DIMENSIONS (mm)	NOTES
WT-1	UV LIGHT	2.52	65		C/W SEDIMENT SEPERATOR

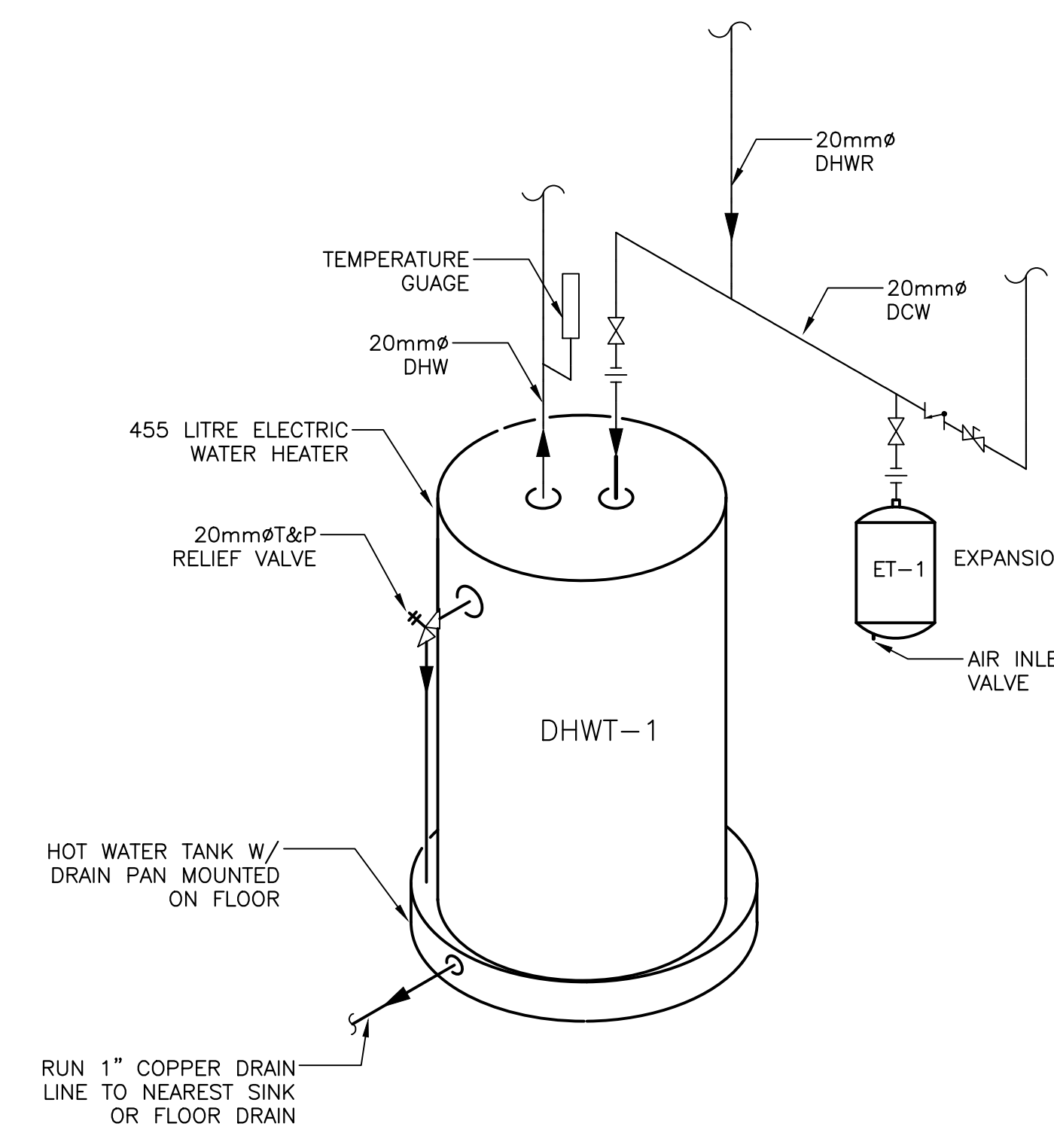
EXPANSION TANK SCHEDULE						
TAG	TYPE	ACCEPTANCE CAPACITY (L)	TOTAL CAPACITY (L)	CONNECTION SIZE	DIMENSIONS (mm)	NOTES
ET-1	PRE-CHARGED BLADDER	12.5	18.9	20	356x300#	NSF 61 CERTIFIED, PRE-CHARGED TO 40 kPa

PRESSURE TANK SCHEDULE						
TAG	TYPE	VOLUME (L)	DRAWDOWN (L)	CONNECTION SIZE	DIMENSIONS (mm)	NOTES
PT-1	PRE-CHARGED DIAPHRAM	450	181	32	1520x660#	NSF 61 CERTIFIED, 30/50 SWITCH

PUMP SCHEDULE							
TAG	TYPE	CAPACITY (L/SEC)	HEAD (METERS)	MOTOR		ELECTRICAL	NOTES
				W	RPM		
P-1	CIRCULATOR	0.19	1	25	-	110/60/1	NSF 61 CERTIFIED



3 P1 DETAIL - DOMESTIC WATER RECIRC. PUMP
 SCALE : N.T.S.



4 P1 DETAIL - DOMESTIC WATER HEATER
 SCALE : N.T.S.

ARCHITECTURE 49

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 1 Spectacle Lake Drive
 Dartmouth, Nova Scotia, Canada B3B 1X7
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THE ASSOCIATION OF PROFESSIONAL ENGINEERS OF THE PROVINCE OF PRINCE EDWARD ISLAND
 VALID FOR THE YEAR 2021

Matthew Rodgers
 Matthew Rodgers
 No. 1906
 DATE: 2021/03/05
 LICENSED PROFESSIONAL ENGINEER
 PROVINCE OF PRINCE EDWARD ISLAND

0	ISSUED FOR TENDER	2021-03-05
revisions	date	
project	project	

CAVENDISH WASHROOM FACILITY

PLUMBING FLOOR PLAN & DETAILS

designed	PA	conçu
date	2020-11-13	
drawn	PA	dessiné
date	2020-11-13	
approved	MR	approuvé
date	2020-11-13	
Tender		Submission
PWGSC Project Manager		Administrateur de projets TPSGC
project number		no. du projet
drawing no.	P1	no. du dessin

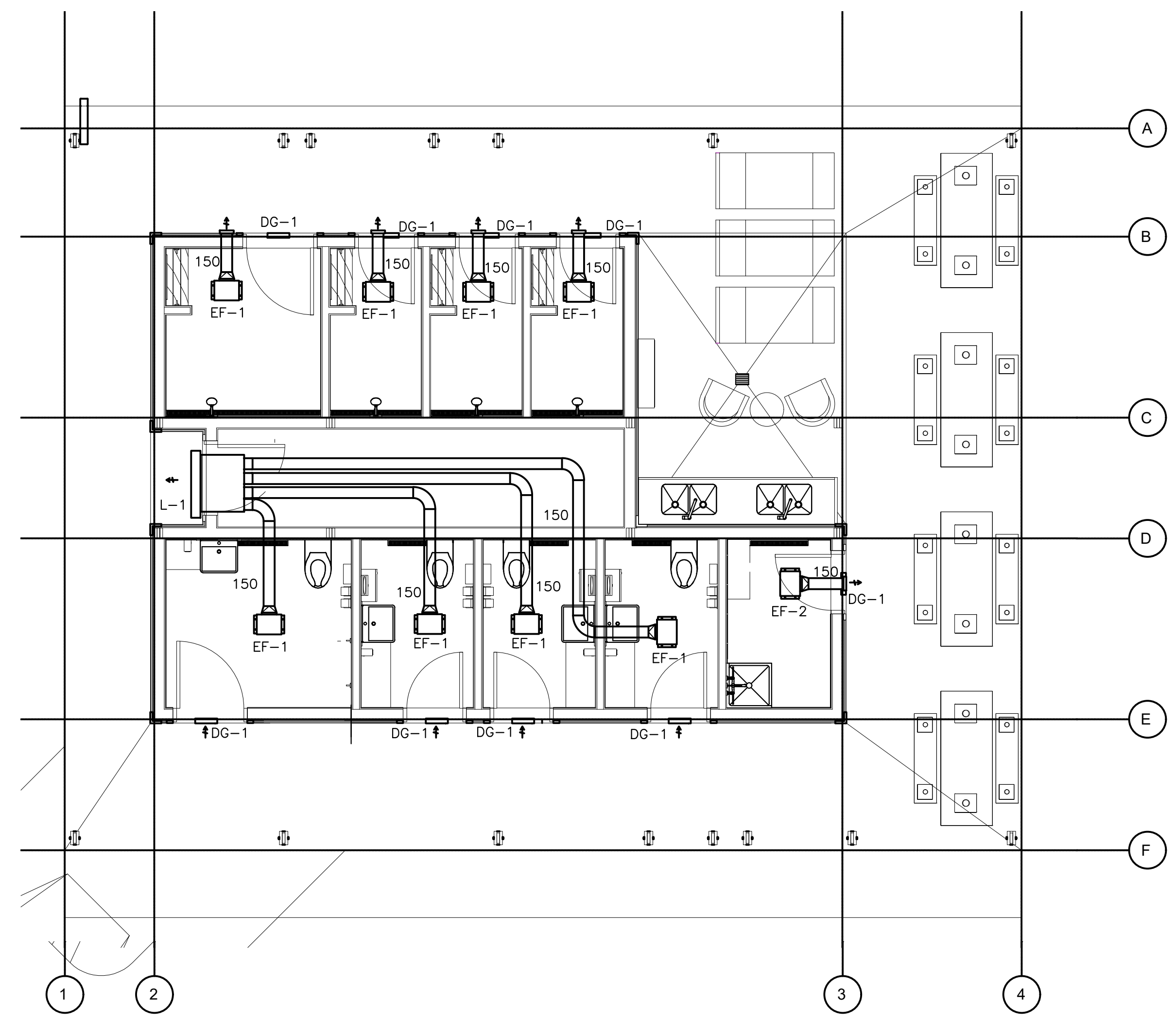
P1

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Matthew Rodgers
Matthew Rodgers
No. 1906
DATE: 2021/03/05
LICENSED PROFESSIONAL ENGINEERS PROVINCE OF PRINCE EDWARD ISLAND



1 FLOOR PLAN – HVAC
M1 SCALE: 1:50
0m 1m 2m 3m 4m 5m

GRILLE AND DIFFUSER SCHEDULE					
TAG	TYPE	SIZE	NECK SIZE	CEILING TYPE	REMARKS
DG-1	DOOR GRILLE	300x250	N/A	N/A	ALUMINUM, SIGHT PROOF COMPATIBLE WITH DOORS AS THIN AS 40 mm. CW RODENT SCREEN. COORDINATE WITH ARCHITECTURAL.
L-1	LOUVRE	900x450	N/A	N/A	ALUMINUM, STORM PROOF. COORDINATE WITH ARCHITECTURAL.

EXHAUST FAN SCHEDULE											
TAG	TYPE	L/SEC	AREA SERVED	MOTOR SIZE HP (KW)	ELECTRICAL DATA				STATIC Pa	WEIGHT kg	REMARKS
					VOLTS	PHASE	HERTZ	FLA			
EF-1 TYP. FOR 8	CEILING FAN	47	WASHROOMS AND SHOWERS	0.01 / (0.007)	110	1	60	0.18	125	FAN TO OPERATE BASED ON AN OCCUPANCY SENSOR. RUN-TIME TO BE 30 MINUTES. DUCTWORK SHALL BE INSULATED THE FULL LENGTH WITHIN THE BUILDING. WHITE GRILLE. CW EXHAUST LOUVRE.	
EF-2	CEILING FAN	47	JANITOR'S CLOSET	0.01 / (0.007)	110	1	60	0.18	125	INTERCONNECTED WITH LIGHT SWITCH. CW WALL CAP WITH BIRD SCREEN. INSECT MESH. DUCTWORK SHALL BE INSULATED THE FULL LENGTH WITHIN THE BUILDING. WHITE GRILLE.	

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CAVENDISH WASHROOM FACILITY

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M1