

Parks
Canada

Parcs
Canada

PARKS CANADA
CAPE BRETON HIGHLANDS NATIONAL PARK
WASHROOM AND KIOSK FACILITY
INGONISH BEACH
CAPE BRETON, NOVA SCOTIA

PROJECT NO. 45444241

ISSUED FOR TENDER - 2022.03.31

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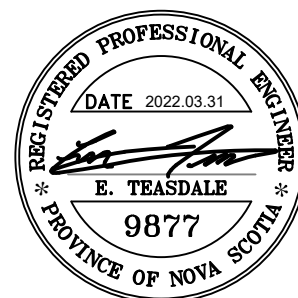
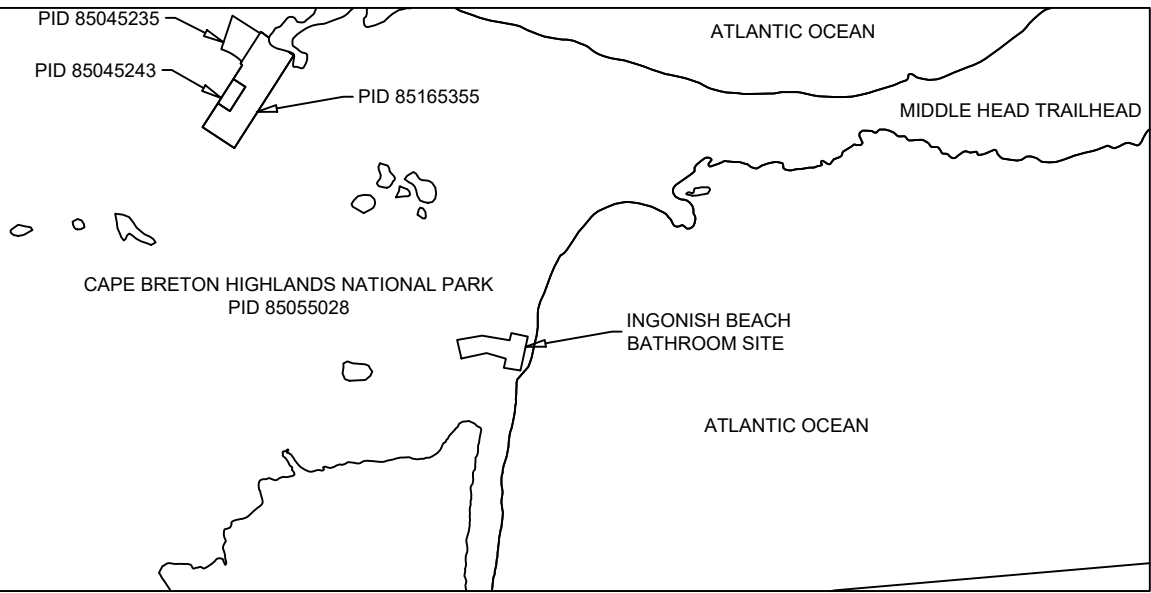
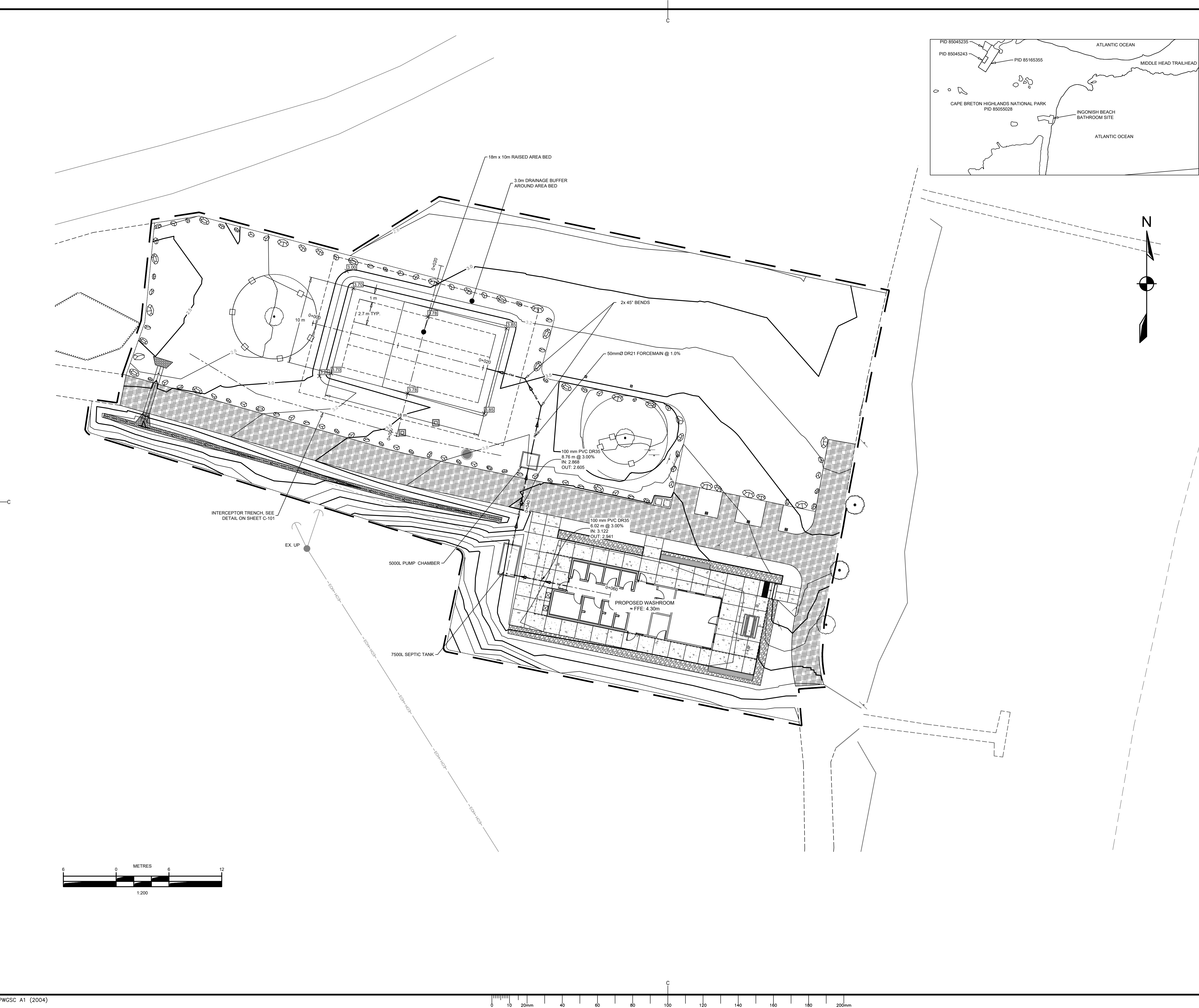


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1	ISSUED FOR 66% REVIEW	2022.02.11
revisions		date

project project

INGONISH BEACH
WASHROOM FACILITY

drawing dessin

SEPTIC SYSTEM

designed B. SMYTH conçu

date 31-MAR-2022

drawn B. SMYTH dessiné

date 31-MAR-2022

approved E. TEASDALE approuvé

date 31-MAR-2022

Tender DUGGAN KENNEDY Soumission

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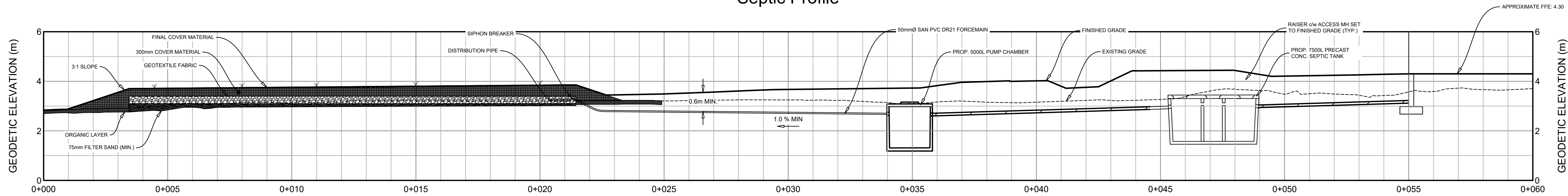
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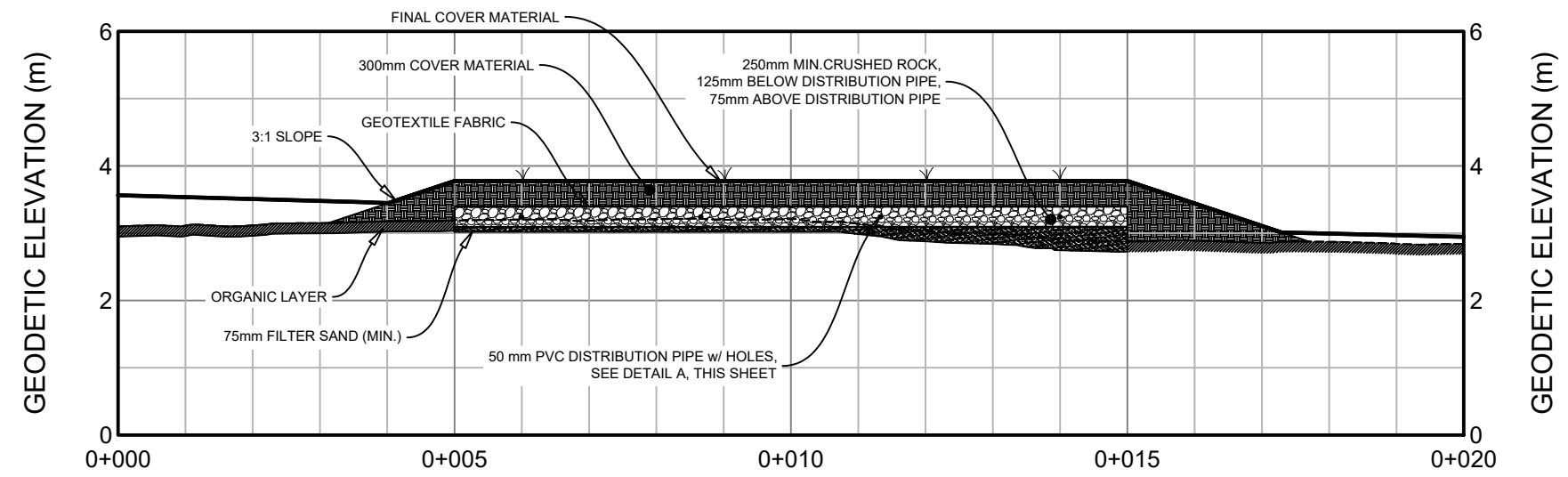
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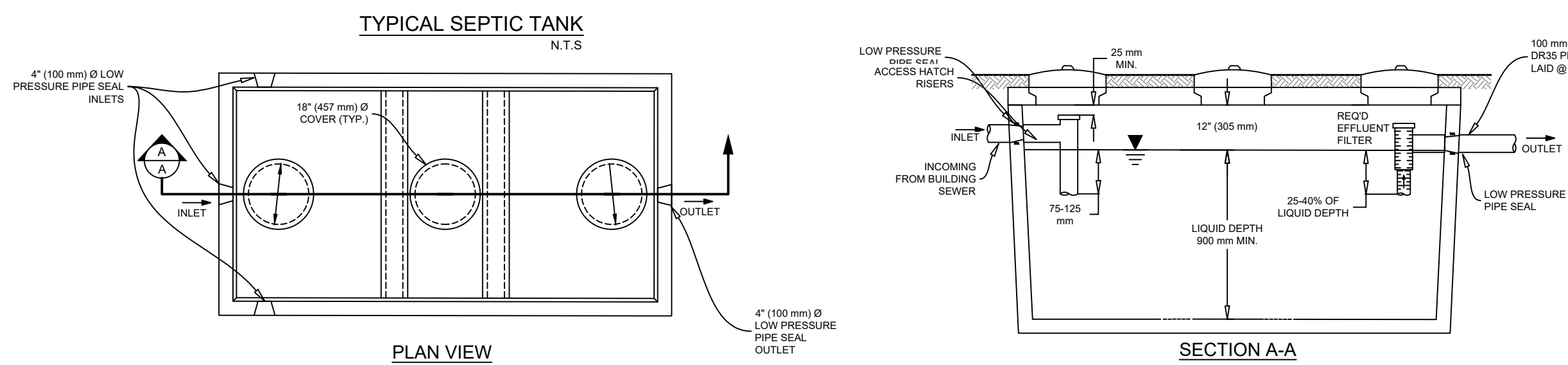
Septic Profile



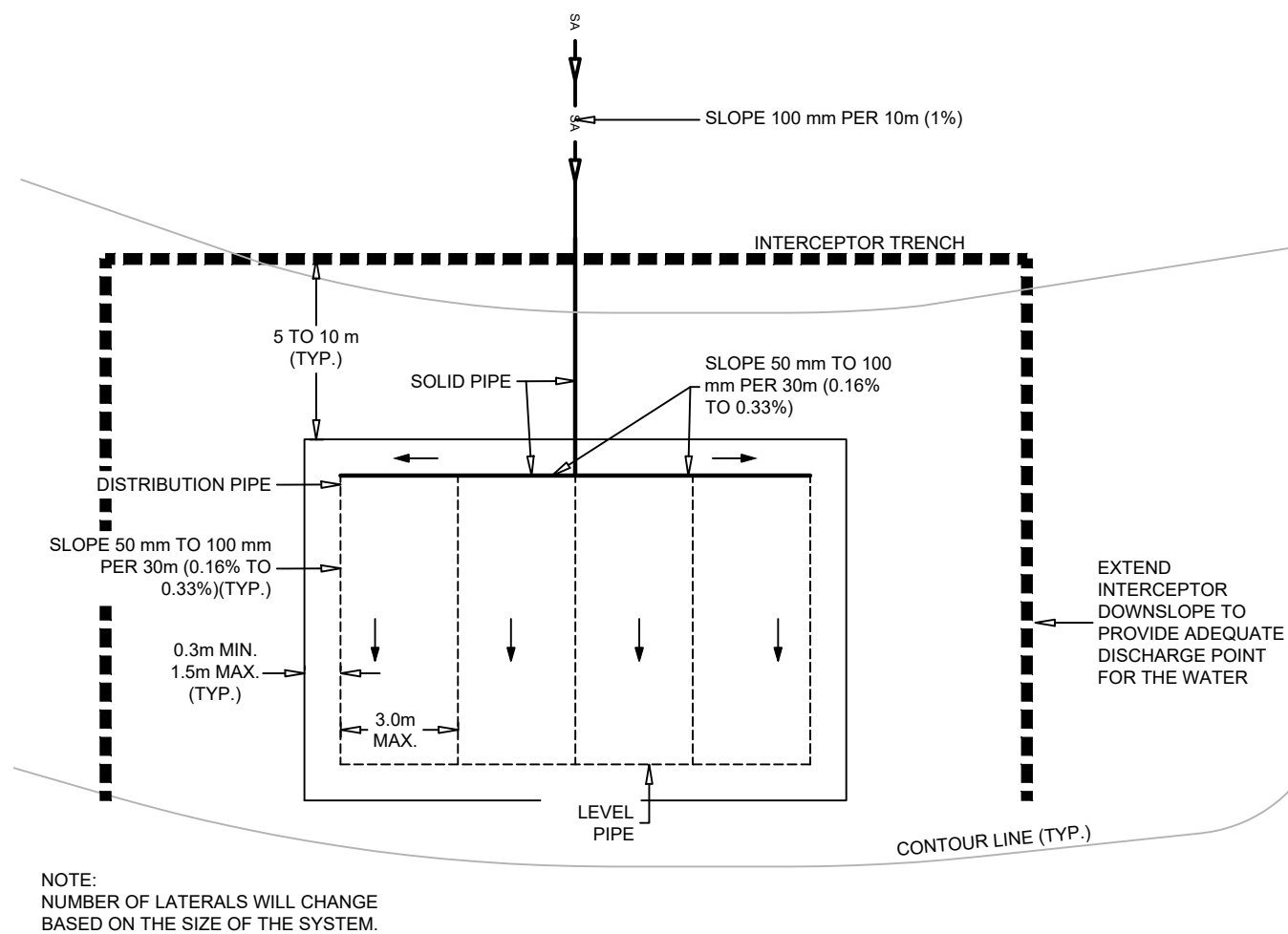
Septic - Cross Section - Profile



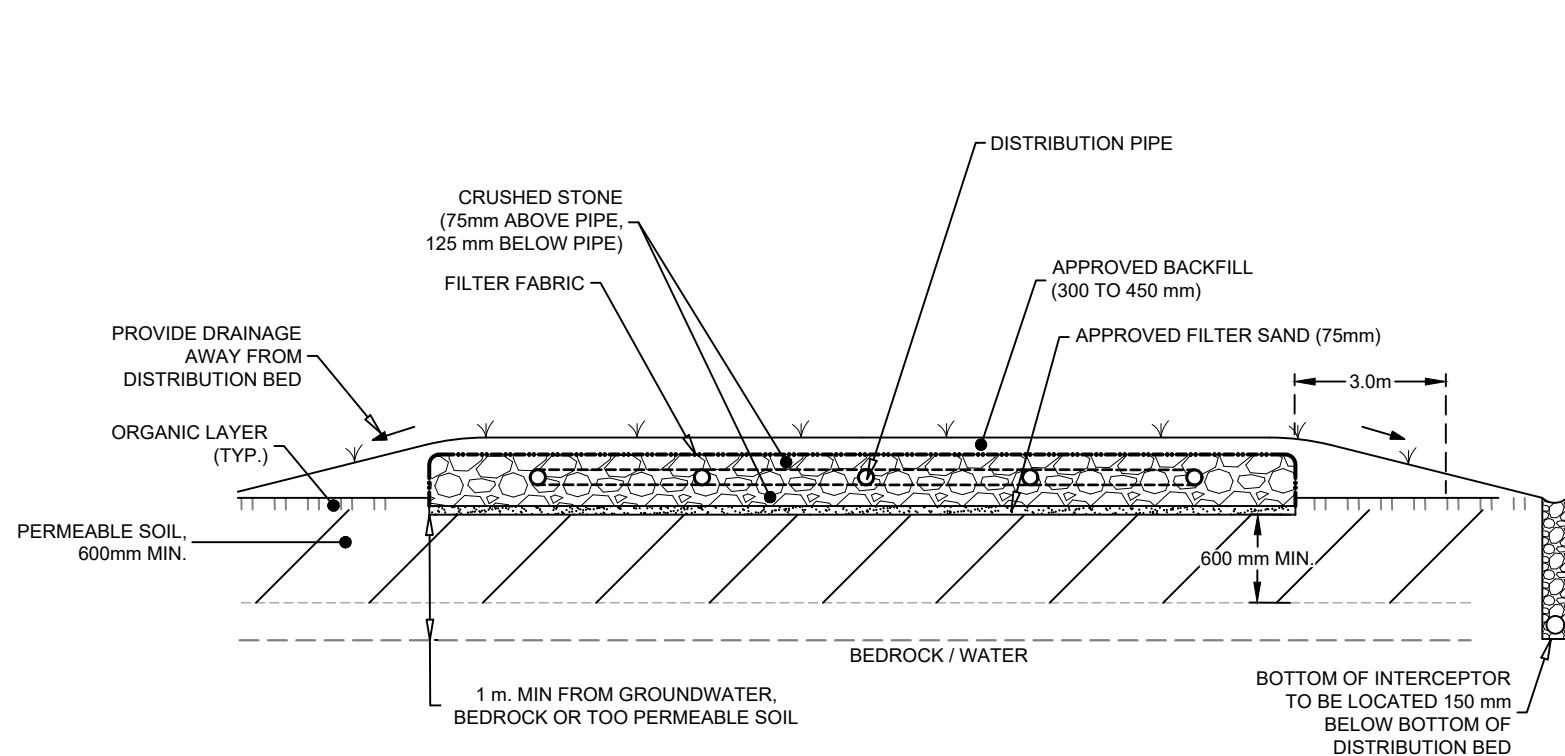
TYPICAL SEPTIC TANK - ONE PIECE



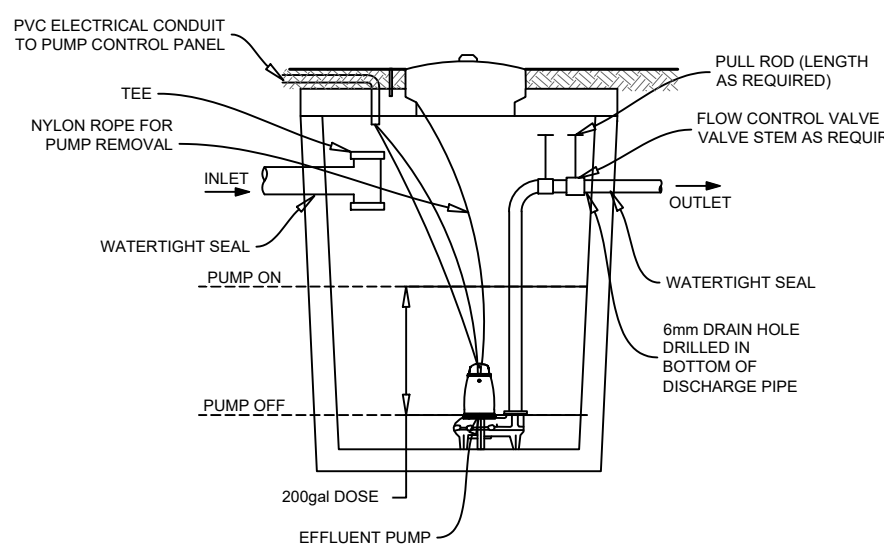
FULLY RAISED AREA BED - TYPICAL PLAN VIEW



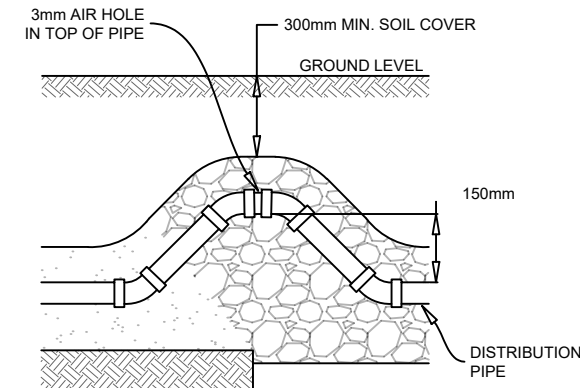
FULLY RAISED AREA BED - TYPICAL CROSS SECTION



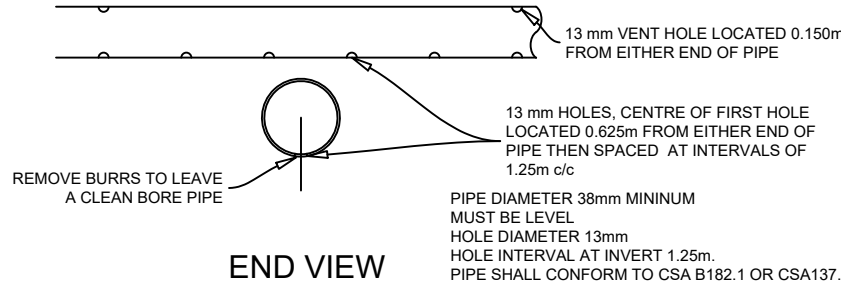
TYP. PUMP CHAMBER



VACUUM/SIPHON BREAKER



DETAIL A - PIPE DRILL HOLE SPACING



END VIEW

GENERAL SPECIFICATIONS:

- ALL CONSTRUCTION WORK AND INSTALLATION METHODS AND PRACTICES SHALL BE IN ACCORDANCE WITH ALL MANUFACTURES INSTRUCTIONS, AND THE NSE ON-SITE SEWAGE DISPOSAL TECHNICAL GUIDELINES OR AS DIRECTED BY THE ENGINEER.
- ALL ELECTRICAL WORK SHALL BE INSTALLED ACCORDING TO ALL APPLICABLE ELECTRICAL CODES AND CARRIED OUT AND CERTIFIED IN WRITING BY A LICENSED ELECTRICIAN.
- PROPERTY BOUNDARIES SHOWN ARE ONLY APPROXIMATE AND SHALL BE VERIFIED ON SITE BY THE CONTRACTOR AS REQUIRED PRIOR TO CONSTRUCTION.
- ANY ERRORS OR OMISSIONS FOUND IN THESE PLANS AND SPECIFICATIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
- UNSATISFABLE SOIL CONDITIONS ENCOUNTERED DURING CONSTRUCTION MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND ADDITIONAL VACUUM BEDDING MAY BE REQUIRED.
- ALL STRUCTURES, TANKS, PIPES, MATERIALS AND DEVICES SHALL BE INSTALLED OR AS SHOWN ON THESE PLANS OR AS PER THE ON-SITE SEWAGE DISPOSAL TECHNICAL GUIDELINES OR AS DIRECTED BY THE ENGINEER.

PIPING:

- ALL BUILDING SEWER GRAVITY PIPE TO BE 100mm DIAMETER PVC SDR 35 (CSA B137 0-02 OR CSA B-182.1) WITH MINIMUM 2% SLOPE.
- ALL GRAVITY DISTRIBUTION PIPES SHALL HAVE A MINIMUM SLOPE OF 50-100mm PER 30 METERS OF LENGTH, AND CONFORM TO CSA B-182.1 WITH HOLES SPACING AS SHOWN IN DIAGRAM 3D OF NSE ON-SITE SEWAGE DISPOSAL SYSTEMS TECHNICAL GUIDELINES.
- ALL PRESSURIZED DISTRIBUTION PIPE SHALL HAVE NO SLOPE AND IS TO BE 50mm SOLID PIPE WITH FIELD DRILLED HOLES AS SPECIFIED HEREIN.
- PUMP CHAMBER SHALL BE FITTED WITH EFFLUENT PUMP (AS SPECIFIED HEREIN).
- PUMP SHALL BE SET TO PROVIDE DOSING VOLUME OF 675 LITERS OR AS DIRECTED BY THE ENGINEER.
- PUMP SHALL BE EQUIPPED WITH A HIGH LEVEL ALARM PROVIDING AUDIBLE AND VISUAL ALERT WITHIN THE FACILITY.
- EFFLUENT PUMP IS TO MEET OR EXCEED FLOW SPECIFICATIONS WITH HIGH LEVEL ALARM AS APPROVED BY THE ENGINEER.
- PUMP ELECTRICAL PANEL TO BE RATED FOR THIS APPLICATION AS APPROVED BY THE ENGINEER.
- ELECTRICAL PANEL TO BE RATED FOR THIS APPLICATION AS APPROVED BY THE ENGINEER.
- ALL SYSTEMS USING AN "EXTENDED-LOW PRESSURE MICRO DOSING SYSTEM" SHALL HAVE THE DISTRIBUTION PIPE SLOPE, HOLES SIZES AND SPACING SET AS PER THE MANUFACTURES EQUIVALENT UNITS WILL BE ACCEPTED UPON REVIEW BY THE ENGINEER.
- ALL PIPE TO PIPE TO STRUCTURE CONNECTIONS TO BE SECURELY FITTED OR GLUED TO PROVIDE A WATERTIGHT SEAL.

BACKFILL MATERIAL AND PROCEDURES:

- NO BACKFILL MATERIAL SHALL BE PLACED ON SITE WITHOUT APPROVAL BY THE ENGINEER.
- CONTRACTOR SHALL PROVIDE THE SOURCE OF THE BACKFILL MATERIAL IN WRITING PRIOR TO INSTALLING ON SITE.
- STRUCTURAL BACKFILL MATERIAL SHALL BE COMPACTED IN LAYERS OF THICKNESS SPECIFIED BY THE ENGINEER.

PUMP AND EFFLUENT FORCE MAIN SPECIFICATIONS (WHERE INCLUDED IN SYSTEM DESIGN):

- ALL FORCE MAIN PIPE TO BE CONTINUOUS LENGTH.
- ALL FORCE MAIN PIPE TO HAVE MINIMUM 100mm SAND BEDDING.
- ALL PIPE SHALL HAVE A MINIMUM GROUND COVER OF 450mm.
- PUMP CHAMBER SHALL BE FITTED WITH EFFLUENT PUMP (AS SPECIFIED HEREIN).
- PUMP SHALL BE SET TO PROVIDE DOSING VOLUME OF 675 LITERS OR AS DIRECTED BY THE ENGINEER.
- PUMP SHALL BE EQUIPPED WITH A HIGH LEVEL ALARM PROVIDING AUDIBLE AND VISUAL ALERT WITHIN THE FACILITY.
- EFFLUENT PUMP IS TO MEET OR EXCEED FLOW SPECIFICATIONS WITH HIGH LEVEL ALARM AS APPROVED BY THE ENGINEER.
- PUMP ELECTRICAL PANEL TO BE RATED FOR THIS APPLICATION AS APPROVED BY THE ENGINEER.
- ELECTRICAL PANEL TO BE RATED FOR THIS APPLICATION AS APPROVED BY THE ENGINEER.
- ELECTRICAL JUNCTION BOX TO BE WATERPROOF AND LOCATED 1.0 ABOVE GROUND, MOUNTED ON 4x4 PT WOOD POST.
- ALL ELECTRICAL WIRING TO BE CONTAINED IN WATERPROOF CONDUIT.
- FORCE MAIN PIPING BURIED UNDER ROADWAYS SHALL BE PROTECTED BY SECONDARY ENCLOSURE TO PREVENT CRUSHING.

SUB-DRAIN AND INTERCEPTOR TRENCH SPECIFICATIONS:

- SWALE DITCH SHALL HAVE MINIMUM 2% SLOPE AND BE CONSTRUCTED TO CREATE POSITIVE DRAINAGE AWAY FORM THE DISPOSAL FIELD.
- SUB-DRAIN PIPE TO BE FLEXIBLE PLASTIC 4" PERFORATED BIG-O OR EQUIVALENT.
- SUB-DRAIN TRENCH DEPTH TO BE DETERMINED BY THE ENGINEER DURING CONSTRUCTION.
- SUB-DRAIN TO HAVE MINIMUM 2% POSITIVE SLOPE.
- SUB-DRAIN TRENCH TO BE FILLED WITH 925MM CLEAR STONE.
- SUB-DRAIN TRENCH TO BE COVERED WITH GEOTEXTILE FABRIC AND EXTENDED DOWN EACH SIDE OF TRENCH TO MIN 300mm DEPTH.

EXISTING DISPOSAL FIELD: (IF APPLICABLE)

- ALL EXISTING DISPOSAL FIELD MATERIAL SHALL BE DISPOSED OF AS DIRECTED BY THE ENGINEER.
- EXISTING GROUND MATERIAL SHALL BE EXCAVATED TO A DEPTH AS DIRECTED BY THE ENGINEER.
- ALL EXISTING DISPOSAL AREA BED MATERIAL SHALL BE REPLACED WITH BACKFILL MATERIAL SPECIFIED HEREIN OR AS APPROVED BY THE ENGINEER.

LAUNDRY FACILITY SPECIFICATIONS:

- IT IS RECOMMENDED THAT ALL WASHING MACHINES HAVE A LINT FILTER ATTACHED TO THE OUTLET PIPE AS SPECIFIED HEREIN.
- LINT FILTER SHALL BE SUPPLIED BY ROZTEK LTD, TIMMINS, ONTARIO. FILTER SHALL BE "THE SEPTIC PROTECTOR" MODEL COMPLETE WITH 160-MICRON FILTER. FILTER UNIT SHALL BE INSTALLED AS PER MANUFACTURES INSTRUCTIONS DIRECTLY TO EACH WASHING MACHINE.
- EQUIVALENT UNITS WILL BE ACCEPTED UPON REVIEW BY THE ENGINEER.

IMPORTED FILTER SAND SPECIFICATIONS:

- CONTRACTOR SHALL PROVIDE THE SOURCE OF IMPORTED FILTER SAND AND RECENT PERTINENT PERMEABILITY TEST RESULTS IN WRITING TO THE ENGINEER PRIOR TO SHIPPING ANY MATERIAL.
- THE ENGINEER RESERVES THE RIGHT TO TEST ALL IMPORTED SAND PRIOR TO INSTALLATION.
- THE ENGINEER RESERVES THE RIGHT TO TEST ALL IMPORTED SAND AFTER SAND INSTALLATION AND PRIOR RO ANY OTHER WORK. APPROVAL OF IMPORTED SAND WILL BE BASE ON IN-PLACE FIELD TESTS TAKEN AFTER INSTALLATION.
- ANY SAND INSTALLED WITH PRIOR APPROVAL BY THE ENGINEER MAY NOT BE ACCEPTED AND MAY BE REQUIRED TO BE REMOVED.

SEPTIC TANK / PUMP CHAMBER:

- SEPTIC AND HOLDING TANKS MUST CONFORM TO A STANDARD CAN/CSA-B86-10.
- ACCEPTABLE MATERIALS ARE REINFORCED CONCRETE, FIBERGLASS OR POLYETHYLENE.
- CONCRETE MINIMUM STRENGTH: 4000 PSI (28 MPa) AT 28 DAYS.
- AIR ENTRAINING: 5-7% STRUCTURAL FIBER REINFORCEMENT.
- CONSTRUCTION JOINTS TO BE SEALED WITH BUTYL ROPE OR EQUIVALENT.
- MAXIMUM BURY: 5 FEET (1.5 METERS).
- ALL TANKS, RISERS, AND COVERS MUST BE WATERTIGHT.
- ALL TANKS MUST BE ASSEMBLED AND INSTALLED AS PER MANUFACTURES INSTRUCTIONS.
- ALL TANKS MUST INCLUDE A WATERTIGHT ACCESS FOR MAINTENANCE, INSPECTION AND PUMP OUT.
- EFFLUENT FILTERS MUST BE INSTALLED AT EXIT 1 HOUSING OF ALL SEPTIC TANKS.
- WHERE TOP OF TANK IS THAN 300MM BELOW FINISHED GRADE, A RISER MUST BE INSTALLED TO EXTEND WITHIN 300MM OF FINISHED GRADE.
- ALL TANK STRUCTURES TO HAVE MINIMUM 150MM COMPACTED DEPTH OF 25MM DIA. CRUSHED RUN GRAVEL OR 25MM DIA. CLEAR CRUSHED STONE BEDDING.

TOPSOIL, SEED AND SOD:

- ALL DISTURBED GROUND TO BE COVERED WITH TOPSOIL AND SEEDED OR COVERED WITH SOD.
- SHOULD SEASONAL CONDITIONS PROHIBIT THE PLACEMENT OF SEED OR SOD, ALL DISTURBED GROUND SHALL BE COVERED WITH STRAW OR MULCH OR OTHER MATERIAL TO PREVENT EROSION UNTIL SUCH A TIME THAT SEEDING OR SOD MAY BE PLACED.
- IT IS THE CONTRACTORS RESPONSIBILITY TO COMPLETE SEEDING OR SODDING WHEN SEASONAL CONDITIONS PERMIT.
- IT IS RECOMMENDED THAT MULCH OR STRAW BE PLACED AFTER SEEDING TO PROMOTE GROWTH.

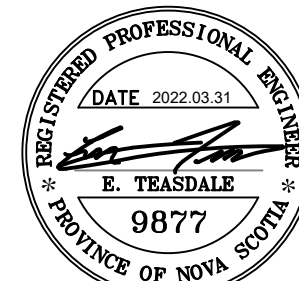


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INGONISH BEACH
WASHROOM FACILITY

SEPTIC
NOTES & DETAILS

designed B. SMYTH conçu

date 31-MAR-2022

drawn B. SMYTH dessiné

date 31-MAR-2022

approved E. TEASDALE approuvé

date 31-MAR-2022

Tender DUGGAN KENNEDY Soumission

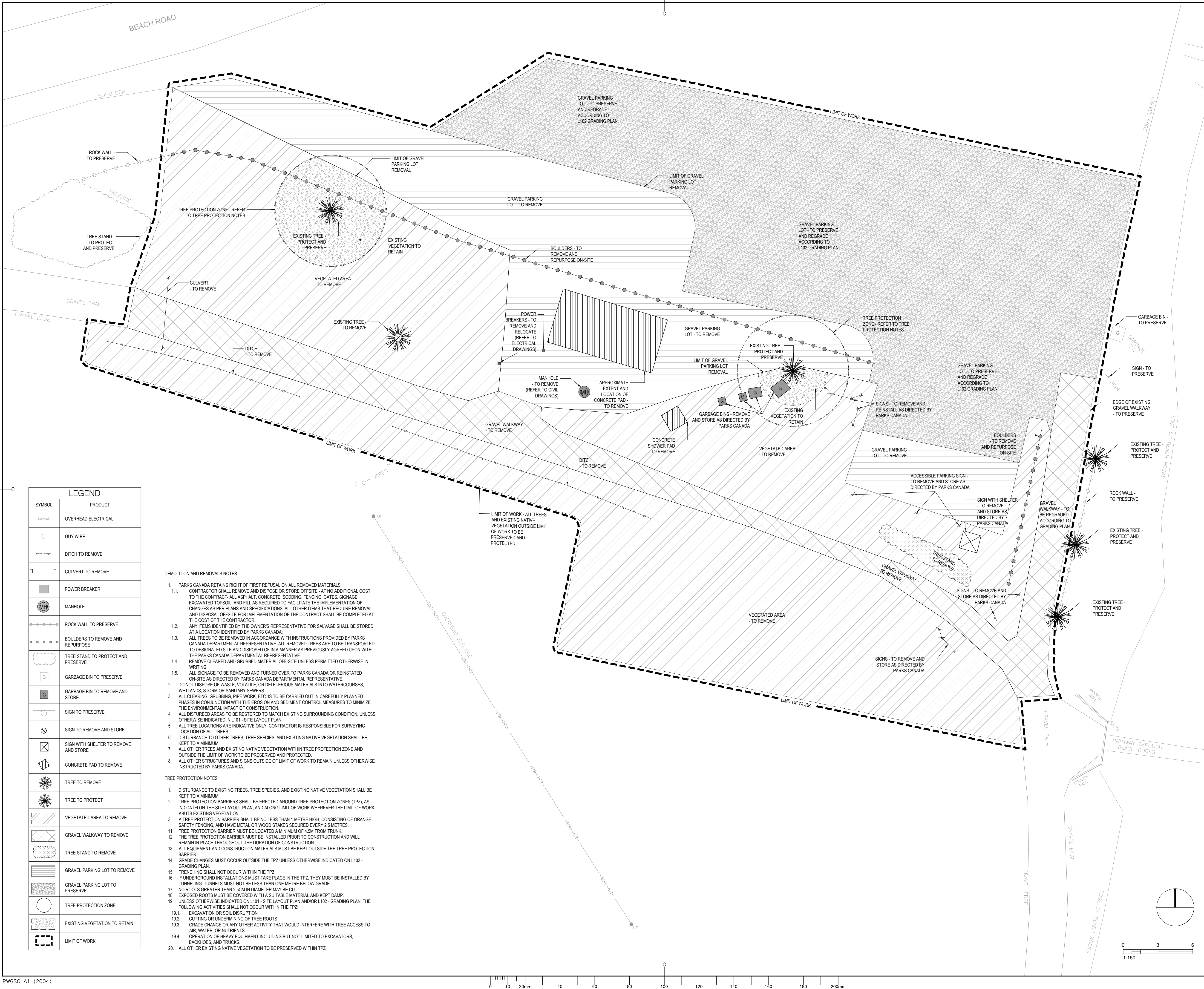
PWGSC Project Manager Administrateur de projets TPSGC

project number no. du projet

21-389

drawing no. no. du dessin

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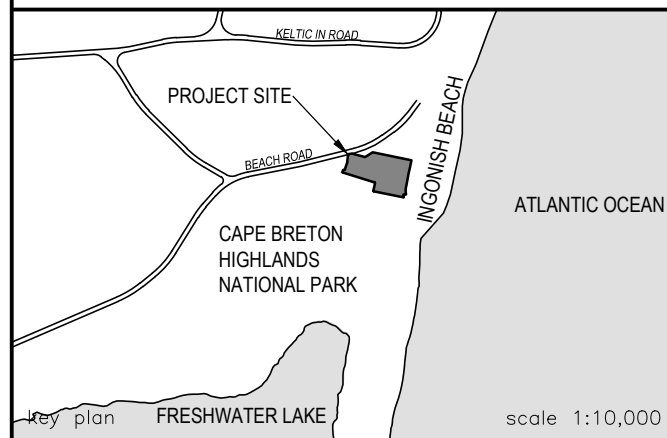


LEGEND	
SYMBOL	PRODUCT
	OVERHEAD ELECTRICAL
	GUY WIRE
	DITCH TO REMOVE
	CULVERT TO REMOVE
	POWER BREAKER
	MANHOLE
	ROCK WALL TO PRESERVE
	BOULDERS TO REMOVE AND REPURPOSE
	TREE STAND TO PROTECT AND PRESERVE
	GARBAGE BIN TO PRESERVE
	GARBAGE BIN TO REMOVE AND STORE
	SIGN TO PRESERVE
	SIGN TO REMOVE AND STORE
	SIGN WITH SHELTER TO REMOVE AND STORE
	CONCRETE PAD TO REMOVE
	TREE TO REMOVE
	TREE TO PROTECT
	VEGETATED AREA TO REMOVE
	GRAVEL WALKWAY TO REMOVE
	TREE STAND TO REMOVE
	GRAVEL PARKING LOT TO REMOVE
	GRAVEL PARKING LOT TO PRESERVE
	TREE PROTECTION ZONE
	EXISTING VEGETATION TO RETAIN
	LIMIT OF WORK

- DEMOLITION AND REMOVALS NOTES:**
1. PARKS CANADA RETAINS RIGHT OF FIRST REFUSAL ON ALL REMOVED MATERIALS.
CONTRACTOR SHALL REMOVE AND DISPOSE OR STORE OFF-SITE - AT NO ADDITIONAL COST TO THE CONTRACT- ALL ASPHALT, CONCRETE, SODDING, FENCING, GATES, SIGNAGE, EXCAVATED TOPSOIL, AND FILL AS REQUIRED TO FACILITATE THE IMPLEMENTATION OF CHANGES AS PER PLANS AND SPECIFICATIONS. ALL OTHER ITEMS THAT REQUIRE REMOVAL AND DISPOSAL OFF-SITE FOR IMPLEMENTATION OF THE CONTRACT SHALL BE COMPLETED AT THE COST OF THE CONTRACTOR.
 12. ANY ITEMS IDENTIFIED BY THE OWNER'S REPRESENTATIVE FOR SALVAGE SHALL BE STORED AT A LOCATION IDENTIFIED BY PARKS CANADA.
 13. ALL TREES TO BE REMOVED IN ACCORDANCE WITH INSTRUCTIONS PROVIDED BY PARKS CANADA DEPARTMENTAL REPRESENTATIVE. ALL REMOVED TREES ARE TO BE TRANSPORTED TO DESIGNATED SITE AND DISPOSED OF IN A MANNER AS PREVIOUSLY AGREED UPON WITH THE PARKS CANADA DEPARTMENTAL REPRESENTATIVE.
 14. REMOVE CLEARED AND GRUBBED MATERIAL OFF-SITE UNLESS PERMITTED OTHERWISE IN WRITING.
 15. ALL SIGNAGE TO BE REMOVED AND TURNED OVER TO PARKS CANADA OR REINSTATED ON-SITE AS DIRECTED BY PARKS CANADA DEPARTMENTAL REPRESENTATIVE.
 2. DO NOT DISPOSE OF WASTE, VOLATILE, OR DELETERIOUS MATERIALS INTO WATERCOURSES, WETLANDS, STORM OR SANITARY SEWERS.
 3. ALL CLEARING, GRUBBING, PIPE WORK, ETC. IS TO BE CARRIED OUT IN CAREFULLY PLANNED PHASES IN CONJUNCTION WITH THE EROSION AND SEDIMENT CONTROL MEASURES TO MINIMIZE THE ENVIRONMENTAL IMPACT OF CONSTRUCTION.
 4. ALL DISTURBED AREAS TO BE RESTORED TO MATCH EXISTING SURROUNDING CONDITION, UNLESS OTHERWISE INDICATED IN L101 - SITE LAYOUT PLAN.
 5. ALL TREE LOCATIONS ARE INDICATIVE ONLY. CONTRACTOR IS RESPONSIBLE FOR SURVEYING LOCATION OF ALL TREES.
 6. DISTURBANCE TO OTHER TREES, TREE SPECIES, AND EXISTING NATIVE VEGETATION SHALL BE KEPT TO A MINIMUM.
 7. ALL OTHER TREES AND EXISTING NATIVE VEGETATION WITHIN TREE PROTECTION ZONE AND OUTSIDE THE LIMIT OF WORK TO BE PRESERVED AND PROTECTED.
 8. ALL OTHER STRUCTURES AND SIGNS OUTSIDE OF LIMIT OF WORK TO REMAIN UNLESS OTHERWISE INSTRUCTED BY PARKS CANADA.
- TREE PROTECTION NOTES:**
1. DISTURBANCE TO EXISTING TREES, TREE SPECIES, AND EXISTING NATIVE VEGETATION SHALL BE KEPT TO A MINIMUM.
 2. TREE PROTECTION BARRIERS SHALL BE ERECTED AROUND TREE PROTECTION ZONES (TPZ) AS INDICATED IN THE SITE LAYOUT PLAN, AND ALONG LIMIT OF WORK WHEREVER THE LIMIT OF WORK ABUTS EXISTING VEGETATION.
 3. A TREE PROTECTION BARRIER SHALL BE NO LESS THAN 1 METRE HIGH, CONSISTING OF ORANGE SAFETY FENCING, AND HAVE METAL OR WOOD STAKES SECURED EVERY 2.5 METRES.
 11. TREE PROTECTION BARRIER MUST BE LOCATED A MINIMUM OF 4.5M FROM TRUNK.
 12. THE TREE PROTECTION BARRIER MUST BE INSTALLED PRIOR TO CONSTRUCTION AND WILL REMAIN IN PLACE THROUGHOUT THE DURATION OF CONSTRUCTION.
 13. ALL EQUIPMENT AND CONSTRUCTION MATERIALS MUST BE KEPT OUTSIDE THE TREE PROTECTION BARRIER.
 14. GRADE CHANGES MUST OCCUR OUTSIDE THE TPZ UNLESS OTHERWISE INDICATED ON L102 - GRADING PLAN.
 15. TRENCHING SHALL NOT OCCUR WITHIN THE TPZ.
 16. IF UNDERGROUND INSTALLATIONS MUST TAKE PLACE IN THE TPZ, THEY MUST BE INSTALLED BY TUNNELING. TUNNELS MUST NOT BE LESS THAN ONE METRE BELOW GRADE.
 17. NO ROOTS GREATER THAN 2.5CM IN DIAMETER MAY BE CUT.
 18. EXPOSED ROOTS MUST BE COVERED WITH A SUITABLE MATERIAL AND KEPT DAMP.
 19. UNLESS OTHERWISE INDICATED ON L101 - SITE LAYOUT PLAN AND/OR L102 - GRADING PLAN, THE FOLLOWING ACTIVITIES SHALL NOT OCCUR WITHIN THE TPZ:
19.1. EXCAVATION OR SOIL DISRUPTION
19.2. CUTTING OR UNDERMINING OF TREE ROOTS
19.3. GRADE CHANGE OR ANY OTHER ACTIVITY THAT WOULD INTERFERE WITH TREE ACCESS TO AIR, WATER, OR NUTRIENTS
 - 19.4. OPERATION OF HEAVY EQUIPMENT INCLUDING BUT NOT LIMITED TO EXCAVATORS, BACKHOES, AND TRUCKS.
 20. ALL OTHER EXISTING NATIVE VEGETATION TO BE PRESERVED WITHIN TPZ.

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Association des architectes-paysagistes des provinces atlantiques
association of landscape architects
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revisions		date

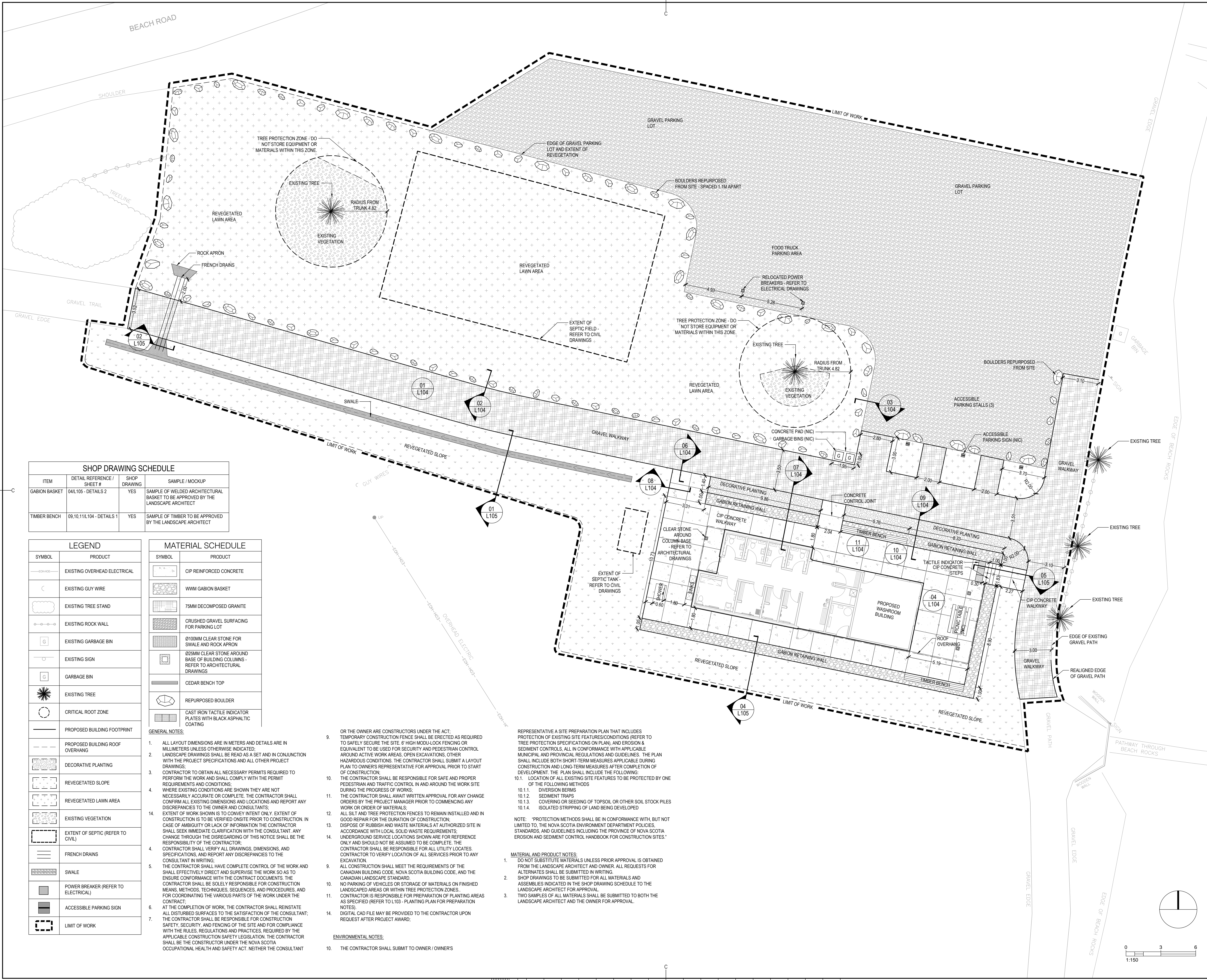
project

PARKS CANADA
CAPE BRETON HIGHLANDS
NATIONAL PARK,
INGONISH BEACH
WASHROOM AND KIOSK

drawing
EXISTING CONDITIONS AND
REMOVALS PLAN

designed	HH	conçu
date		
drawn	HH	dessiné
date		
approved	DS	approuvé
date		
Tender	DUGGAN KENNEDY	Soumission
Project Manager		Administrateur de projets
project number	21-128	no. du projet

drawing no.
L100



SHOP DRAWING SCHEDULE			
ITEM	DETAIL REFERENCE / SHEET #	SHOP DRAWING	SAMPLE / MOCKUP
GABION BASKET	04/L105 - DETAILS 2	YES	SAMPLE OF WELDED ARCHITECTURAL BASKET TO BE APPROVED BY THE LANDSCAPE ARCHITECT
TIMBER BENCH	09,10,11/L104 - DETAILS 1	YES	SAMPLE OF TIMBER TO BE APPROVED BY THE LANDSCAPE ARCHITECT

LEGEND	
SYMBOL	PRODUCT
—E—E—E—	EXISTING OVERHEAD ELECTRICAL
C	EXISTING GUY WIRE
—O—O—O—	EXISTING TREE STAND
—R—R—R—	EXISTING ROCK WALL
G	EXISTING GARBAGE BIN
G	GARBAGE BIN
—S—S—S—	EXISTING SIGN
—T—T—T—	EXISTING TREE
—C—C—C—	CRITICAL ROOT ZONE
—P—P—P—	PROPOSED BUILDING FOOTPRINT
—R—R—R—	PROPOSED BUILDING ROOF OVERHANG
—D—D—D—	DECORATIVE PLANTING
—V—V—V—	REVEGETATED SLOPE
—L—L—L—	REVEGETATED LAWN AREA
—E—E—E—	EXISTING VEGETATION
—S—S—S—	EXTENT OF SEPTIC (REFER TO CIVIL)
—F—F—F—	FRENCH DRAINS
—SW—SW—SW—	SWALE
—PB—PB—PB—	POWER BREAKER (REFER TO ELECTRICAL)
—AP—AP—AP—	ACCESSIBLE PARKING SIGN
—LW—LW—LW—	LIMIT OF WORK

MATERIAL SCHEDULE	
SYMBOL	PRODUCT
—C—C—C—	CIP REINFORCED CONCRETE
—W—W—W—	WWM GABION BASKET
—G—G—G—	75MM DECOMPOSED GRANITE
—S—S—S—	CRUSHED GRAVEL SURFACING FOR PARKING LOT
—CS—CS—CS—	Ø100MM CLEAR STONE FOR SWALE AND ROCK APRON
—CS—CS—CS—	Ø25MM CLEAR STONE AROUND BASE OF BUILDING COLUMNS - REFER TO ARCHITECTURAL DRAWINGS
—CB—CB—CB—	CEDAR BENCH TOP
—RB—RB—RB—	REPURPOSED BOULDER
—CT—CT—CT—	CAST IRON TACTILE INDICATOR PLATES WITH BLACK ASPHALTIC COATING

GENERAL NOTES:

- ALL LAYOUT DIMENSIONS ARE IN METERS AND DETAILS ARE IN MILLIMETERS UNLESS OTHERWISE INDICATED.
- LANDSCAPE DRAWINGS SHALL BE READ AS A SET AND IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS AND ALL OTHER PROJECT DRAWINGS.
- CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS REQUIRED TO PERFORM THE WORK AND SHALL COMPLY WITH THE PERMIT REQUIREMENTS AND CONDITIONS.
- WHERE EXISTING CONDITIONS ARE SHOWN THEY ARE NOT NECESSARILY ACCURATE OR COMPLETE. THE CONTRACTOR SHALL CONFIRM ALL EXISTING DIMENSIONS AND LOCATIONS AND REPORT ANY DISCREPANCIES TO THE OWNER AND CONSULTANTS.
- EXTENT OF WORK SHOWN IS TO CONVEY INTENT ONLY. EXTENT OF CONSTRUCTION IS TO BE VERIFIED ON SITE PRIOR TO CONSTRUCTION. IN CASE OF AMBIGUITY OR LACK OF INFORMATION THE CONTRACTOR SHALL SEEK IMMEDIATE CLARIFICATION WITH THE CONSULTANT. ANY CHANGE THROUGH THE DISREGARDING OF THIS NOTICE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR SHALL VERIFY ALL DRAWINGS, DIMENSIONS, AND SPECIFICATIONS, AND REPORT ANY DISCREPANCIES TO THE CONSULTANT IN WRITING.
- THE CONTRACTOR SHALL HAVE COMPLETE CONTROL OF THE WORK AND SHALL EFFECTIVELY DIRECT AND SUPERVISE THE WORK SO AS TO ENSURE CONFORMANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES, AND FOR COORDINATING THE VARIOUS PARTS OF THE WORK UNDER THE CONTRACT.
- AT THE COMPLETION OF WORK, THE CONTRACTOR SHALL REINSTATE ALL DISTURBED SURFACES TO THE SATISFACTION OF THE CONSULTANT; THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION SAFETY, SECURITY, AND FENCING OF THE SITE AND FOR COMPLIANCE WITH THE RULES, REGULATIONS AND PRACTICES, REQUIRED BY THE APPLICABLE CONSTRUCTION SAFETY LEGISLATION. THE CONTRACTOR SHALL BE THE CONSTRUCTOR UNDER THE NOVA SCOTIA OCCUPATIONAL HEALTH AND SAFETY ACT. NEITHER THE CONSULTANT

OR THE OWNER ARE CONSTRUCTORS UNDER THE ACT:

- TEMPORARY CONSTRUCTION FENCE SHALL BE ERECTED AS REQUIRED TO SAFELY SECURE THE SITE. 6' HIGH MODULOCK FENCING OR EQUIVALENT TO BE USED FOR SECURITY AND PEDESTRIAN CONTROL AROUND ACTIVE WORK AREAS, OPEN EXCAVATIONS, OTHER HAZARDOUS CONDITIONS. THE CONTRACTOR SHALL SUBMIT A LAYOUT PLAN TO OWNERS REPRESENTATIVE FOR APPROVAL PRIOR TO START OF CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SAFE AND PROPER PEDESTRIAN AND TRAFFIC CONTROL IN AND AROUND THE WORK SITE DURING THE PROGRESS OF WORKS.
- THE CONTRACTOR SHALL WAIT WRITTEN APPROVAL FOR ANY CHANGE ORDERS BY THE PROJECT MANAGER PRIOR TO COMMENCING ANY WORK OR ORDER OF MATERIALS.
- ALL SILT AND TREE PROTECTION FENCES TO REMAIN INSTALLED AND IN GOOD REPAIR FOR THE DURATION OF CONSTRUCTION.
- DISPOSE OF RUBBISH AND WASTE MATERIALS AT AUTHORIZED SITE IN ACCORDANCE WITH LOCAL SOLID WASTE REQUIREMENTS.
- UNDERGROUND SERVICE LOCATIONS SHOWN ARE FOR REFERENCE ONLY AND SHOULD NOT BE ASSUMED TO BE COMPLETE. THE CONTRACTOR TO VERIFY LOCATION OF ALL UTILITIES PRIOR TO ANY EXCAVATION.
- ALL CONSTRUCTION SHALL MEET THE REQUIREMENTS OF THE CANADIAN BUILDING CODE, NOVA SCOTIA BUILDING CODE, AND THE CANADIAN LANDSCAPE STANDARD.
- NO PARKING OF VEHICLES OR STORAGE OF MATERIALS ON FINISHED LANDSCAPED AREAS OR WITHIN TREE PROTECTION ZONES.
- CONTRACTOR IS RESPONSIBLE FOR PREPARATION OF PLANTING AREAS AS SPECIFIED (REFER TO L103 - PLANTING PLAN FOR PREPARATION NOTES).
- DIGITAL CAD FILE MAY BE PROVIDED TO THE CONTRACTOR UPON REQUEST AFTER PROJECT AWARD.

ENVIRONMENTAL NOTES:

- THE CONTRACTOR SHALL SUBMIT TO OWNER / OWNERS

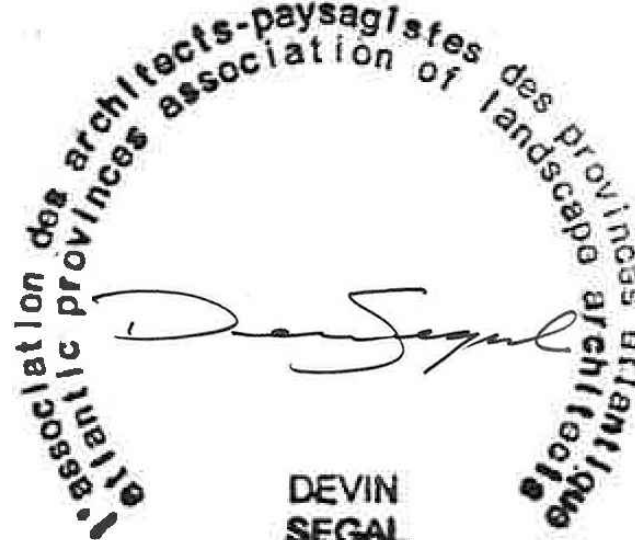
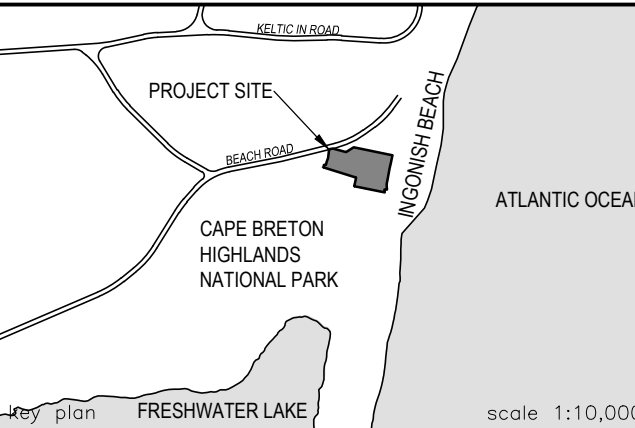
REPRESENTATIVE A SITE PREPARATION PLAN THAT INCLUDES PROTECTION OF EXISTING SITE FEATURES/CONDITIONS (REFER TO TREE PROTECTION SPECIFICATIONS ON PLAN), AND EROSION & SEDIMENT CONTROLS, ALL IN CONFORMANCE WITH APPLICABLE MUNICIPAL AND PROVINCIAL REGULATIONS AND GUIDELINES. THE PLAN SHALL INCLUDE BOTH SHORT-TERM MEASURES APPLICABLE DURING CONSTRUCTION AND LONG-TERM MEASURES AFTER COMPLETION OF DEVELOPMENT. THE PLAN SHALL INCLUDE THE FOLLOWING:

- LOCATION OF ALL EXISTING SITE FEATURES TO BE PROTECTED BY ONE OF THE FOLLOWING METHODS:
 - DIVERSION BERM
 - SEDIMENT TRAPS
 - COVERING OR SEEDING OF TOPSOIL OR OTHER SOIL STOCK PILES
 - ISOLATED STRIPPING OF LAND BEING DEVELOPED

NOTE: "PROTECTION METHODS SHALL BE IN CONFORMANCE WITH, BUT NOT LIMITED TO, THE NOVA SCOTIA ENVIRONMENT DEPARTMENT POLICIES, STANDARDS, AND GUIDELINES INCLUDING THE PROVINCE OF NOVA SCOTIA EROSION AND SEDIMENT CONTROL HANDBOOK FOR CONSTRUCTION SITES."

MATERIAL AND PRODUCT NOTES:

- DO NOT SUBSTITUTE MATERIALS UNLESS PRIOR APPROVAL IS OBTAINED FROM THE LANDSCAPE ARCHITECT AND OWNER. ALL REQUESTS FOR ALTERNATES SHALL BE SUBMITTED IN WRITING.
- SHOP DRAWINGS TO BE SUBMITTED FOR ALL MATERIALS AND ASSEMBLIES INDICATED IN THE SHOP DRAWING SCHEDULE TO THE LANDSCAPE ARCHITECT FOR APPROVAL.
- TWO SAMPLES OF ALL MATERIALS SHALL BE SUBMITTED TO BOTH THE LANDSCAPE ARCHITECT AND THE OWNER FOR APPROVAL.



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project

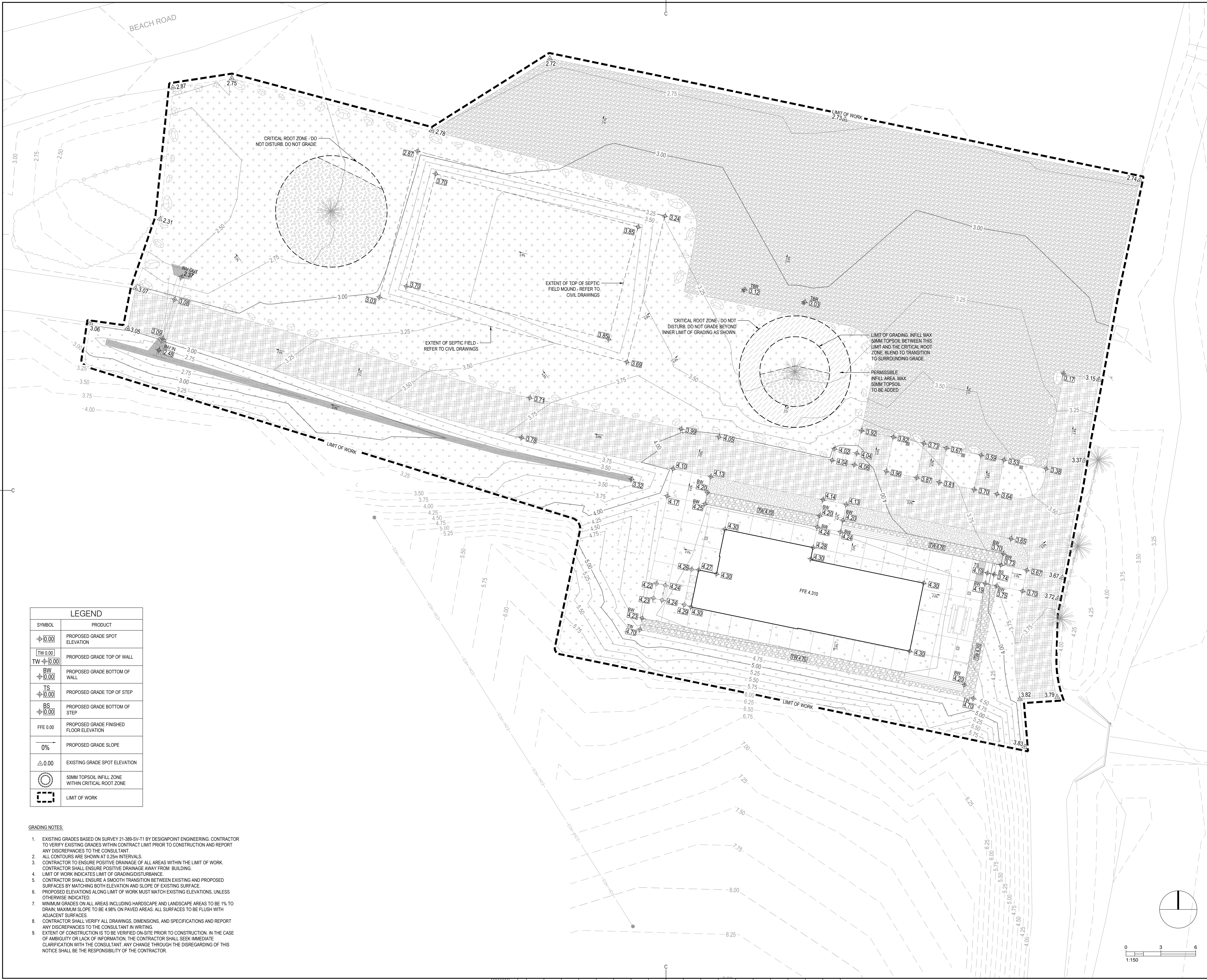
PARKS CANADA CAPE BRETON HIGHLANDS NATIONAL PARK, INGONISH BEACH WASHROOMS AND KIOSK

drawing SITE LAYOUT PLAN dessin

designed HH	conçu
date	
drawn HH	dessiné
date	
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Tender DUGGAN KENNEDY	Soumission
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45444241

drawing no. L101 no. du dessin



LEGEND	
$\oplus 0.00$	PROPOSED GRADE SPOT ELEVATION
$\text{TW } \oplus 0.00$	PROPOSED GRADE TOP OF WALL
$\text{BW } \oplus 0.00$	PROPOSED GRADE BOTTOM OF WALL
$\text{TS } \oplus 0.00$	PROPOSED GRADE TOP OF STEP
$\text{BS } \oplus 0.00$	PROPOSED GRADE BOTTOM OF STEP
FFE 0.00	PROPOSED GRADE FINISHED FLOOR ELEVATION
0%	PROPOSED GRADE SLOPE
$\triangle 0.00$	EXISTING GRADE SPOT ELEVATION
	50MM TOPSOIL INFILL ZONE WITHIN CRITICAL ROOT ZONE
	LIMIT OF WORK

- GRADING NOTES:
- EXISTING GRADES BASED ON SURVEY 21-389-SV-T1 BY DESIGNPOINT ENGINEERING. CONTRACTOR TO VERIFY EXISTING GRADES WITHIN CONTRACT LIMIT PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE CONSULTANT.
 - ALL CONTOURS ARE SHOWN AT 0.25m INTERVALS.
 - CONTRACTOR TO ENSURE POSITIVE DRAINAGE OF ALL AREAS WITHIN THE LIMIT OF WORK. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE AWAY FROM BUILDING.
 - LIMIT OF WORK INDICATES LIMIT OF GRADING/DISTURBANCE.
 - CONTRACTOR SHALL ENSURE A SMOOTH TRANSITION BETWEEN EXISTING AND PROPOSED SURFACES BY MATCHING BOTH ELEVATION AND SLOPE OF EXISTING SURFACE.
 - PROPOSED ELEVATIONS ALONG LIMIT OF WORK MUST MATCH EXISTING ELEVATIONS, UNLESS OTHERWISE INDICATED.
 - MINIMUM GRADES ON ALL AREAS INCLUDING HARDSCAPE AND LANDSCAPE AREAS TO BE 1% TO DRAIN. MAXIMUM SLOPE TO BE 4.98% ON PAVED AREAS. ALL SURFACES TO BE FLUSH WITH ADJACENT SURFACES.
 - CONTRACTOR SHALL VERIFY ALL DRAWINGS, DIMENSIONS, AND SPECIFICATIONS AND REPORT ANY DISCREPANCIES TO THE CONSULTANT IN WRITING.
 - EXTENT OF CONSTRUCTION IS TO BE VERIFIED ON-SITE PRIOR TO CONSTRUCTION. IN THE CASE OF AMBIGUITY OR LACK OF INFORMATION, THE CONTRACTOR SHALL SEEK IMMEDIATE CLARIFICATION WITH THE CONSULTANT. ANY CHANGE THROUGH THE DISREGARDING OF THIS NOTICE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

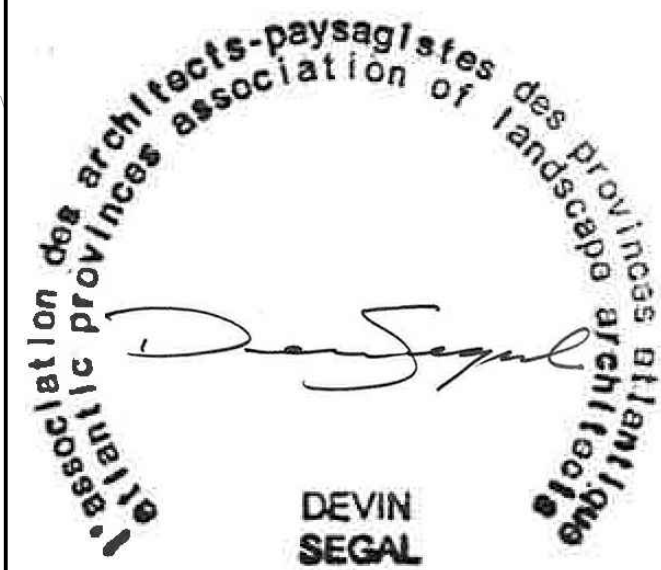
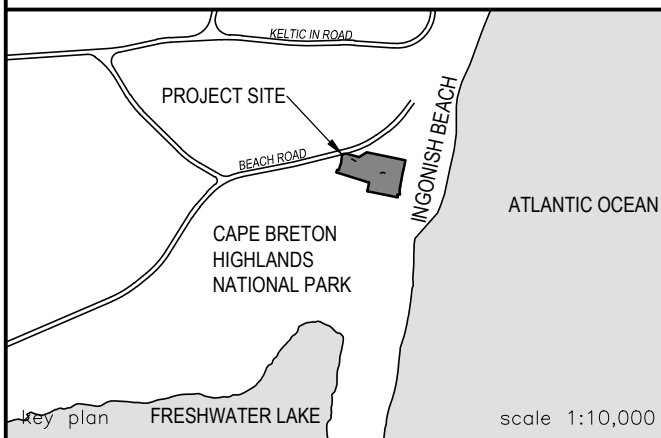


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projet

PARKS CANADA
CAPE BRETON HIGHLANDS
NATIONAL PARK,
INGONISH BEACH
WASHROOMS AND KIOSK

drawing

dessin

GRADING PLAN

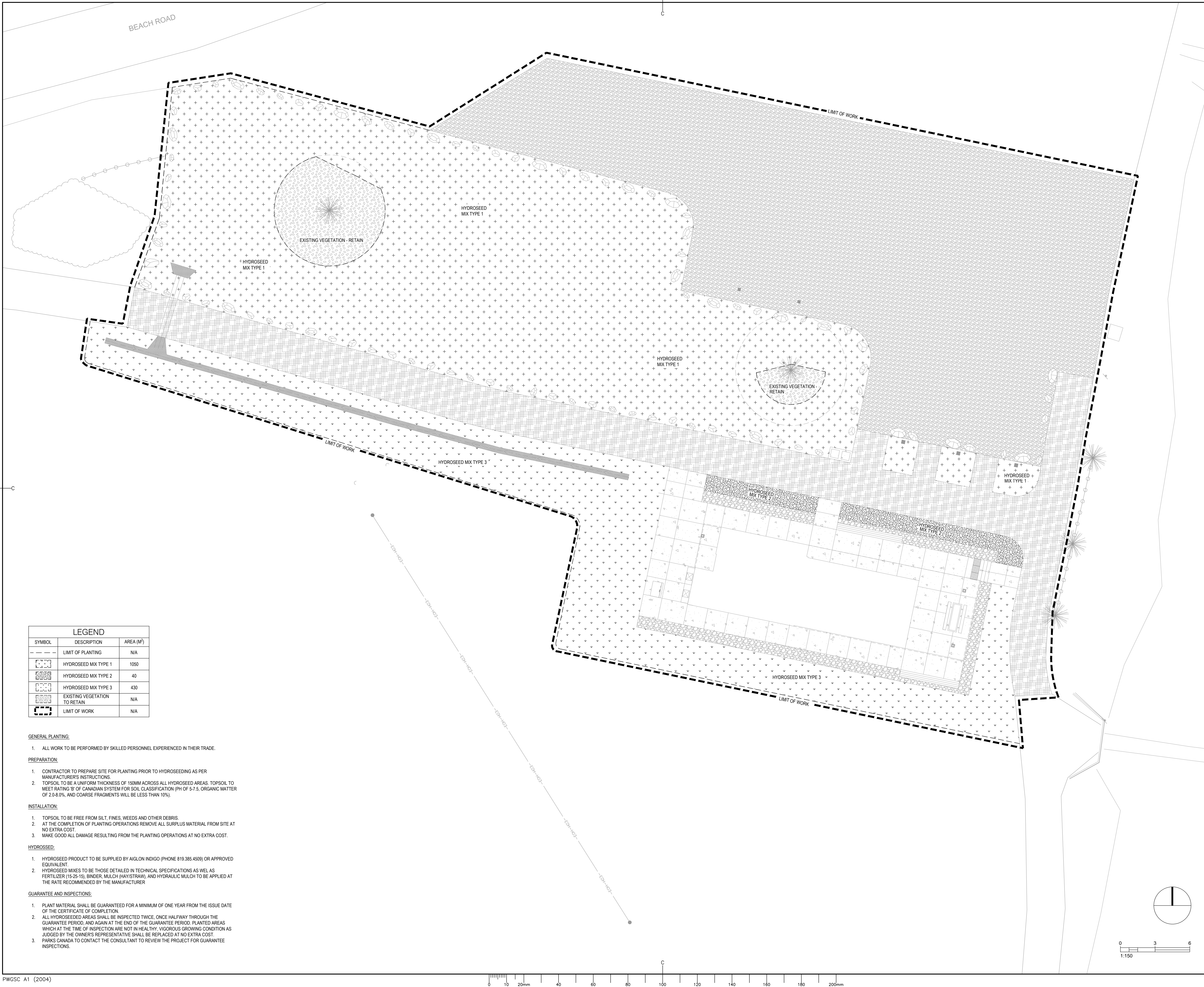
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Project Manager		Administrateur de projets
project number		no. du projet


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no. du dessin

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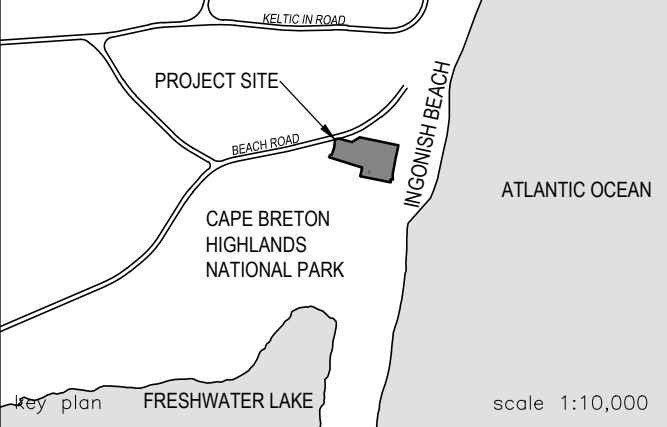


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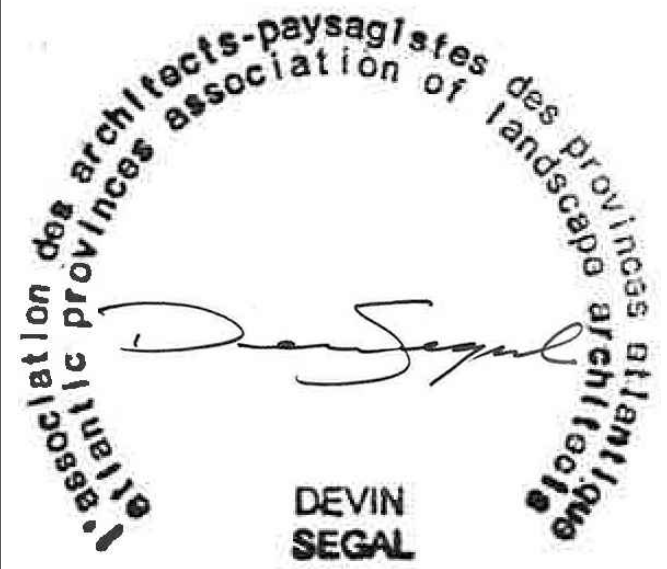
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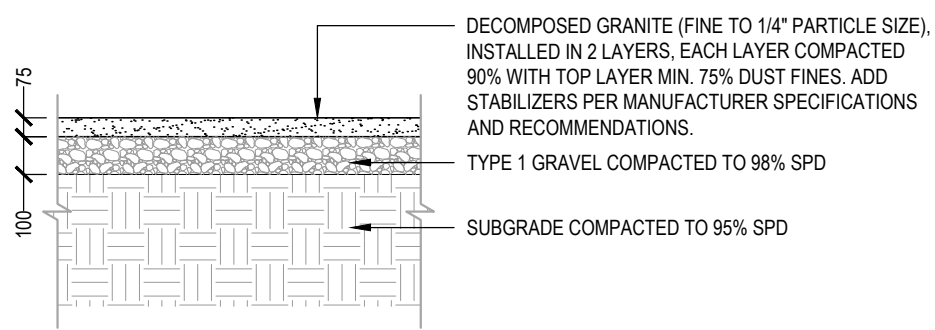
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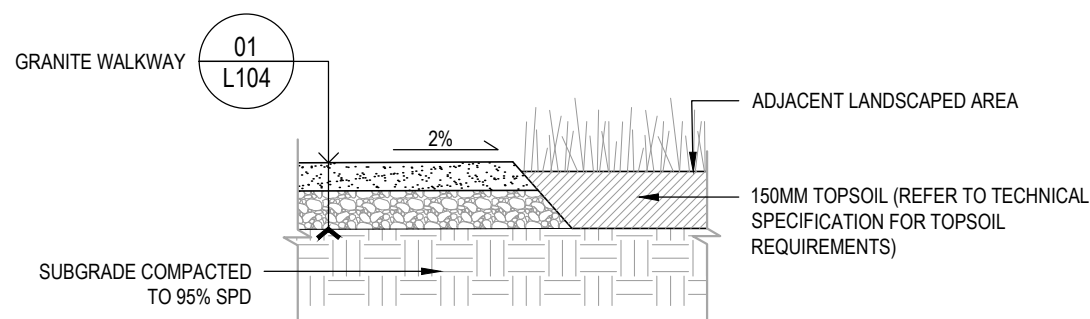
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PARKS CANADA CAPE BRETON HIGHLANDS NATIONAL PARK, INGONISH BEACH WASHROOMS AND KIOSK		
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Tender		Soumission
Project Manager	Administrateur de projets	
project number	no. du projet	
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L103		

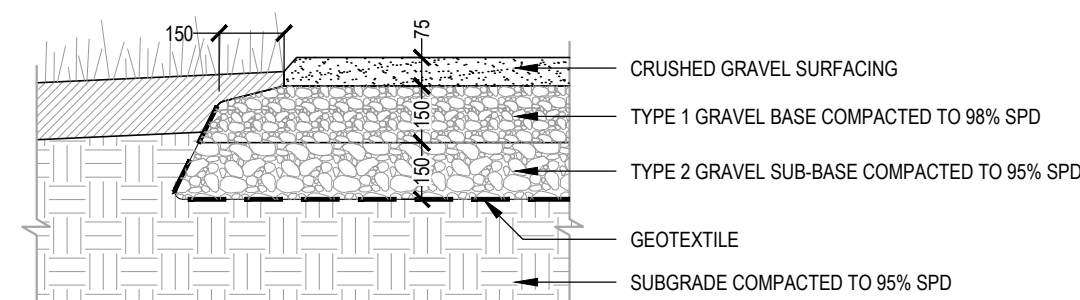
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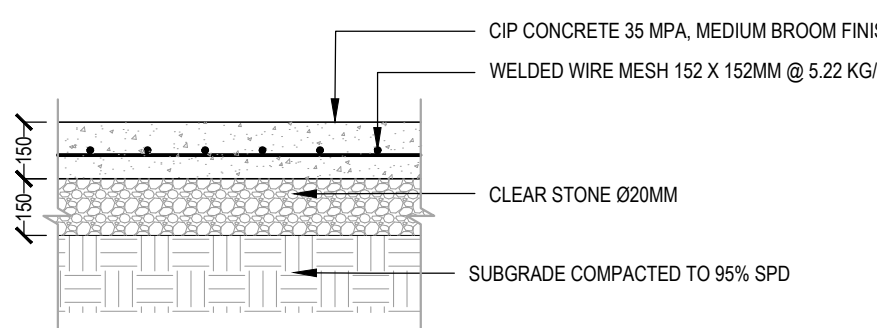
01 GRANITE WALKWAY
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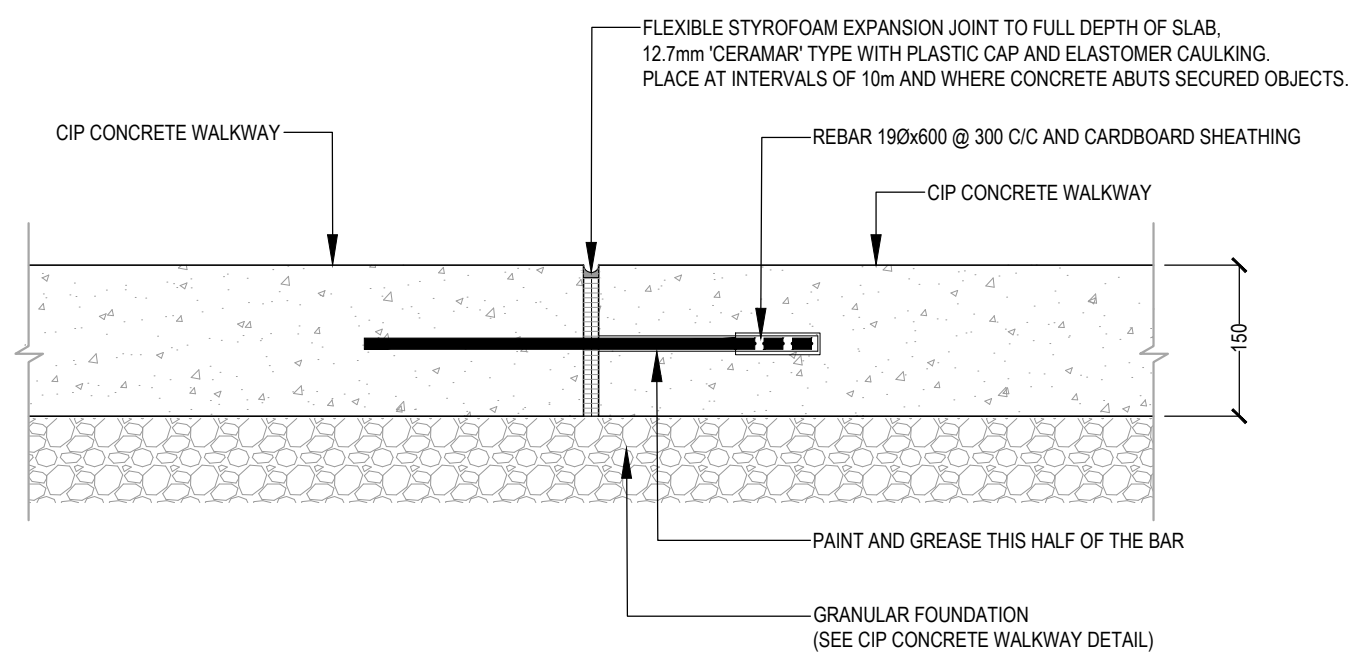
02 GRANITE WALKWAY TRANSITION TO PLANTING
SCALE: 1:20



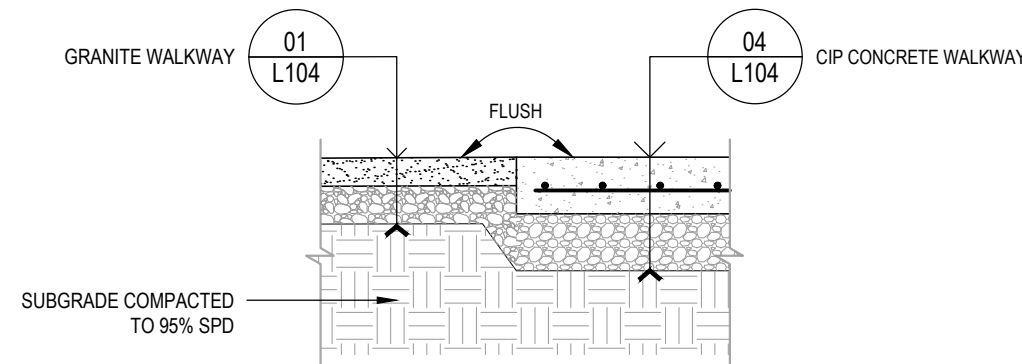
03 CRUSHED STONE PARKING LOT
SCALE: 1:20



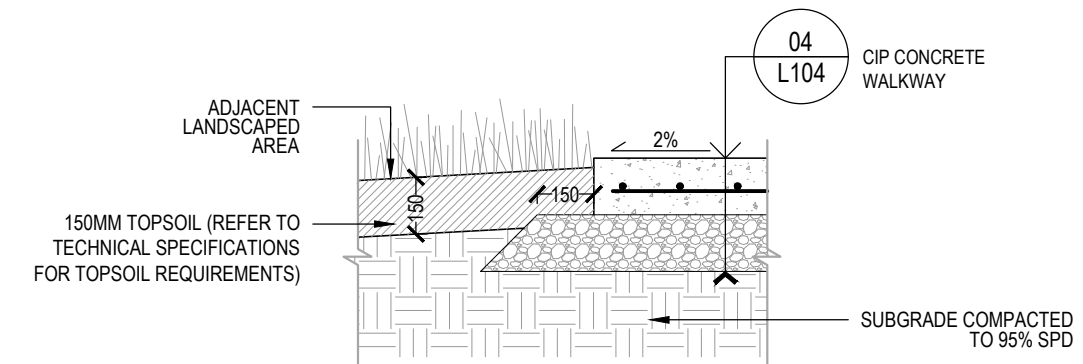
04 CIP CONCRETE WALKWAY
SCALE: 1:20



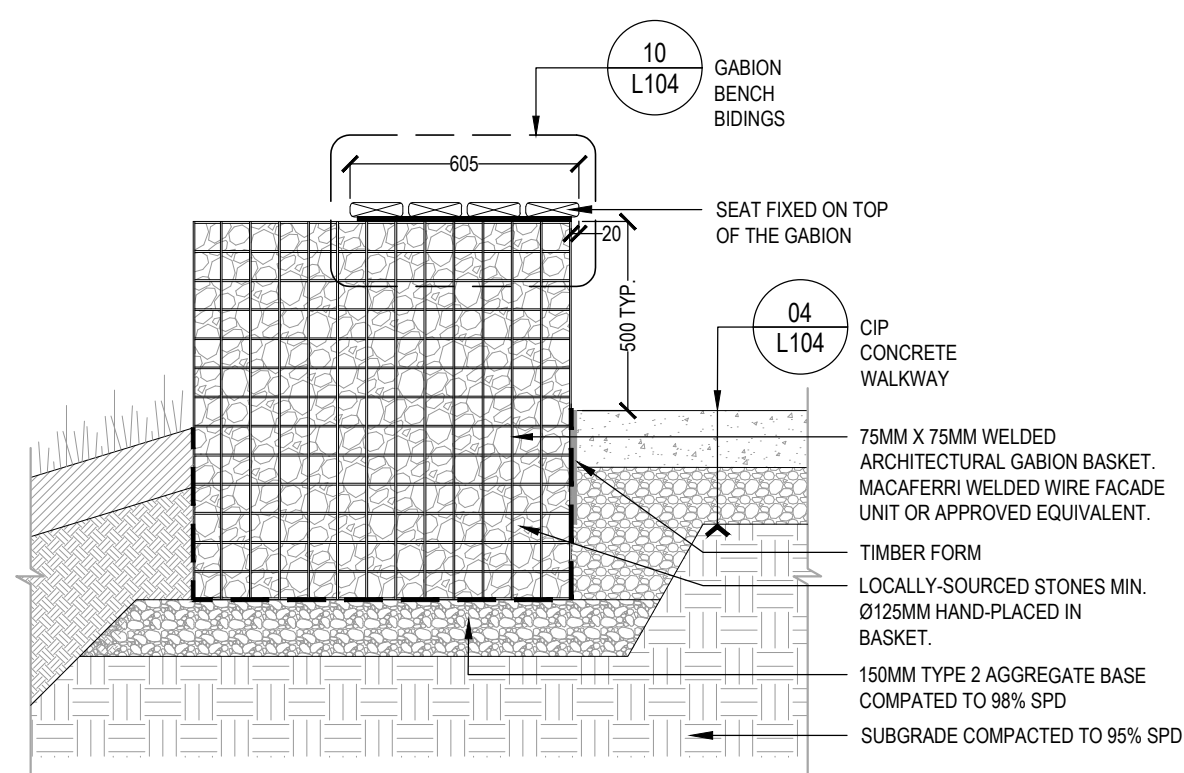
05 CIP CONCRETE WALKWAY - EXPANSION AND CONTROL JOINTS
SCALE: 1:10



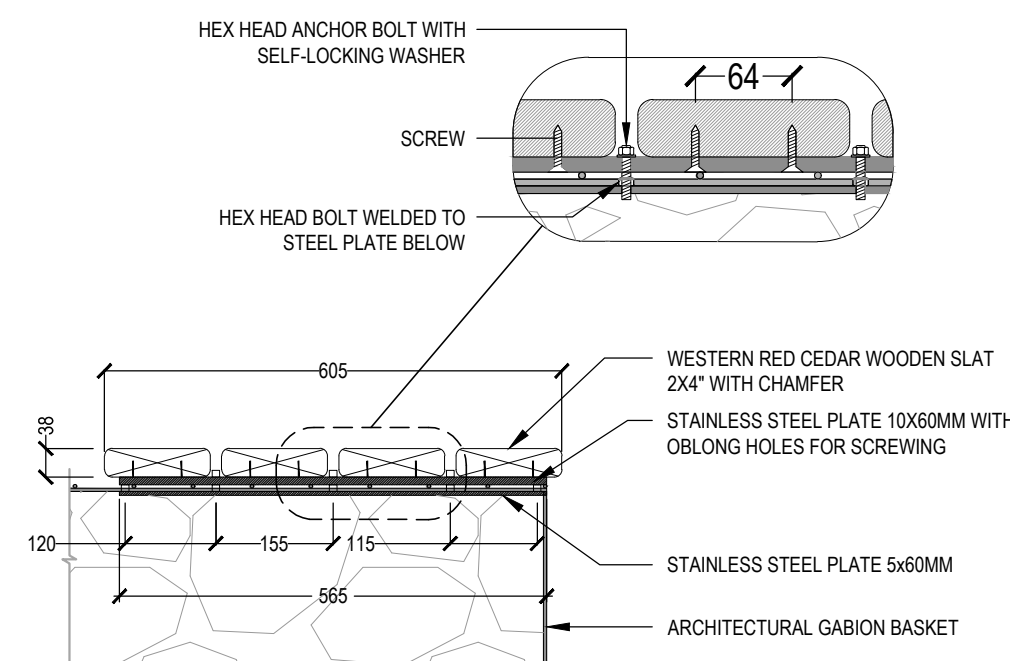
06 CIP CONCRETE WALKWAY TRANSITION TO GRANITE WALKWAY
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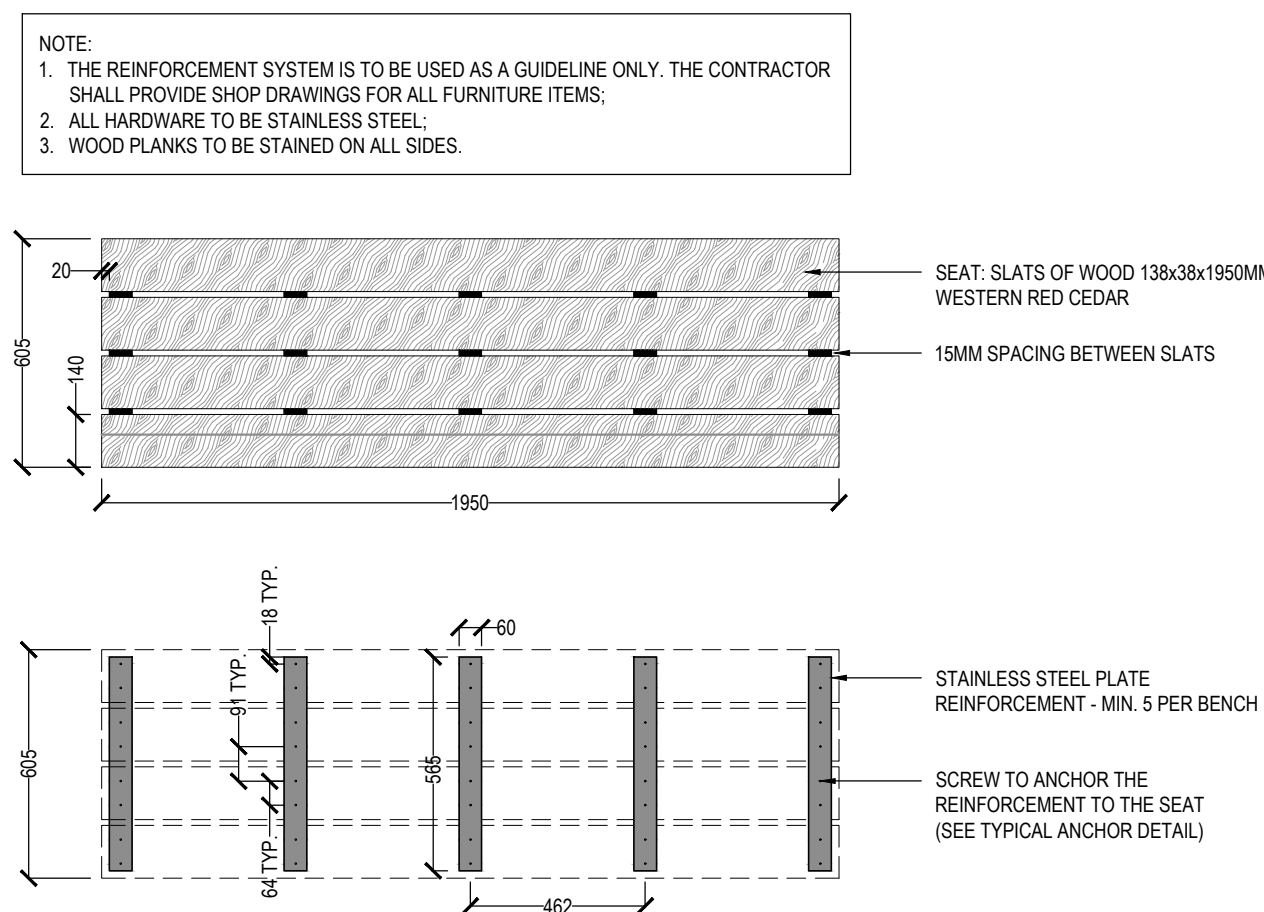
07 CIP CONCRETE WALKWAY TRANSITION TO BUILDING
SCALE: 1:20



09 GABION BENCH - SECTION AND ELEVATION
SCALE: 1:20



10 GABION BENCH - BINDINGS
SCALE: 1:10



11 GABION BENCH - WOOD CLADDING AND REINFORCEMENT - PLAN VIEW
SCALE: 1:20

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project

PARKS CANADA
CAPE BRETON HIGHLANDS
NATIONAL PARK,
INGONISH BEACH
WASHROOMS AND KIOSK

drawing

DETAILS 1

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drawn HH

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approved DS

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Tender DUGGAN KENNEDY

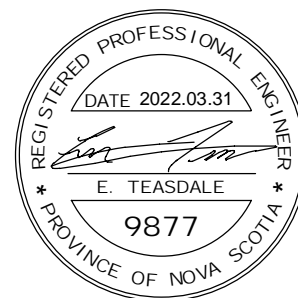
Project Manager Administrateur de projets

project number no. du projet

45444241

drawing no. no. du dessin

L104



INGONISH BEACH
WASHROOM AND KIOSK

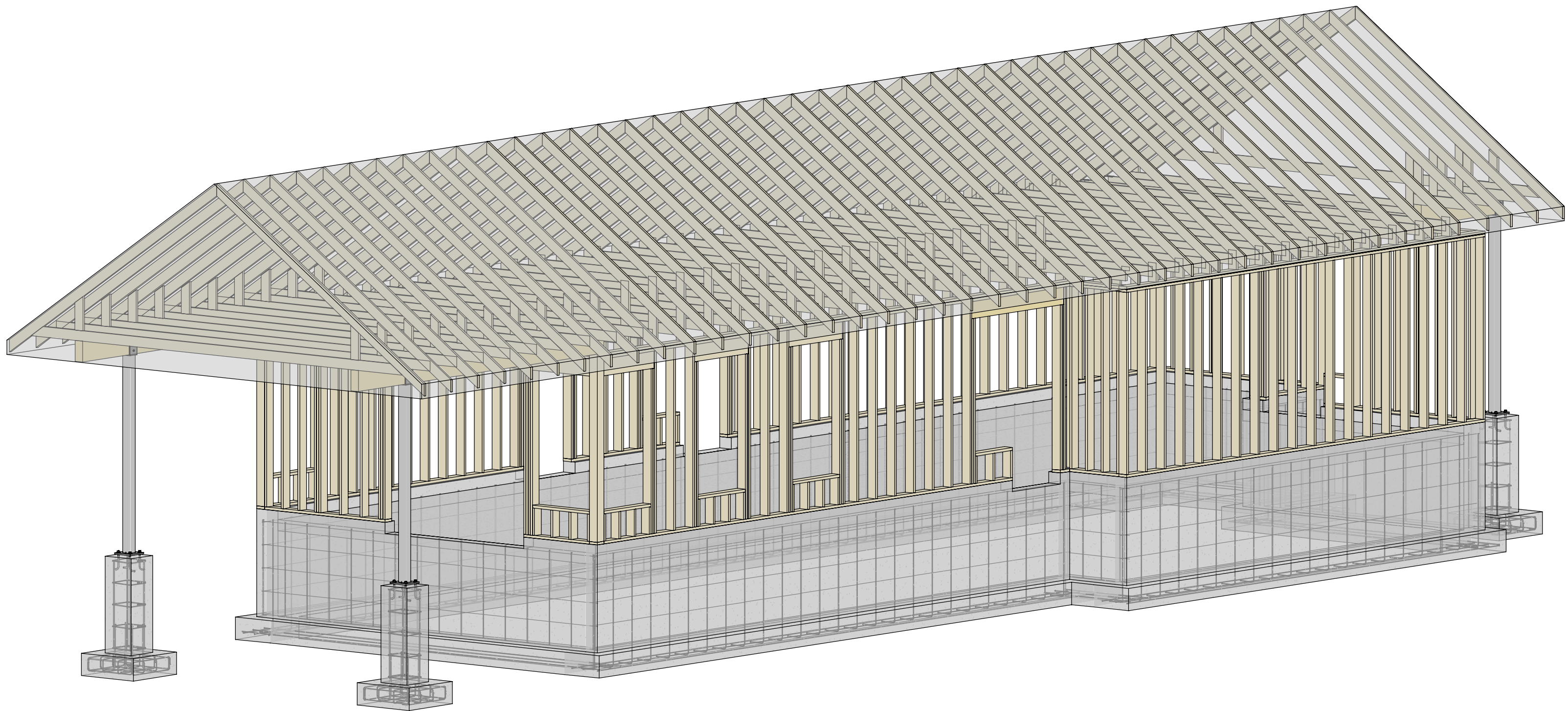
3D PERSPECTIVES &
NOTES

designed	A. MCCracken	conçu
date	19- JAN- 2022	
drawn	A. MCCracken	dessiné
date	19- JAN- 2022	
approved	E. TEASDALE	approuvé
date	31- MAR- 2022	

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project number		no. du projet

21- 389

drawing no.	S- 100	no. du dessin
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3D PERSPECTIVE

GENERAL NOTES:

- WORK & MATERIALS TO CONFORM TO THE REQUIREMENTS OF THE NATIONAL BUILDING CODE OF CANADA, 2015.
- ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE OCCUPATIONAL HEALTH & SAFETY ACT OF NOVA SCOTIA.
- NO ALTERATIONS TO STRUCTURAL DETAILS TO BE MADE WITHOUT THE WRITTEN PERMISSION OF THE STRUCTURAL ENGINEER. ALL OPENINGS IN SLABS OR WALLS ARE TO BE PRE-FORMED & ALL HOLES SLEEVED. CONSTRUCTION ERRORS ARE TO BE DOCUMENTED & REPORTED TO THE STRUCTURAL ENGINEER BEFORE PROCEEDING WITH SUBSEQUENT WORK.
- PERIODIC & DISCRETIONARY SITE OBSERVATIONS ARE MADE AT THE JOB SITE BY THE STRUCTURAL ENGINEER & ARE NECESSARILY LIMITED IN SCOPE TO OBSERVATION OF WORK IN PROGRESS AT THE TIME OF THE SITE OBSERVATION. THESE SITE OBSERVATIONS DO NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO PROVIDE CONTINUOUS ON-SITE SUPERVISION OF ALL STRUCTURAL WORK TO ENSURE THAT BOTH THE INTENT & DETAILS OF THE DRAWINGS & SPECIFICATIONS ARE BEING FOLLOWED.
- THE CONTRACTOR TO COORDINATE DETAILS SHOWN ON THE STRUCTURAL DRAWINGS WITH ALL OTHER DISCIPLINES DRAWINGS & SPECIFICATIONS.
- THE FOLLOWING SHOP DRAWINGS TO BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW:
 - CONCRETE REINFORCING STEEL.
 - CONCRETE MIX DESIGNS
 - STRUCTURAL STEEL FABRICATIONS INCLUDING ALL CONNECTION DETAILS. STRUCTURAL STEEL FABRICATION DRAWINGS TO BE STAMPED BY A PROFESSIONAL ENGINEER, REGISTERED OR LICENSED TO PRACTICE IN THE PROVINCE OF NOVA SCOTIA, WHO WILL BE RESPONSIBLE FOR THE DESIGN OF CONNECTIONS. ALL DESIGN LOADINGS SHOWN ON THE STRUCTURAL DRAWINGS, FOR THE PURPOSES OF MEMBER & CONNECTION DESIGN, ARE WORKING LOADS U.N.O.
 - OPEN WEB JOIST CALCULATIONS TO BE STAMPED BY A PROFESSIONAL ENGINEER LICENSED OR REGISTERED TO PRACTICE IN THE PROVINCE OF NOVA SCOTIA, WHO WILL BE RESPONSIBLE FOR THE DESIGN OF THE OPEN WEB STEEL JOISTS.
 - PROPOSED STEPPED FOOTING LOCATIONS & ELEVATIONS & INTERIOR FOOTINGS REQUIRED TO BE LOWERED TO ALLOW PIPING/DUCTBANKS/CONDUIT TO PASS OVER. REFER TO FOUNDATION NOTE 5.
 - ALL TEMPORARY SHORING, TEMPORARY SHORING DRAWINGS TO BE STAMPED BY A PROFESSIONAL ENGINEER, REGISTERED OR LICENSED TO PRACTICE IN THE PROVINCE OF NOVA SCOTIA, WHO WILL BE RESPONSIBLE FOR THE DESIGN OF THE SHORING & ASSOCIATED CONNECTIONS.
- ALL DESIGN LOADS NOTED ON DRAWINGS ARE WORKING LOADS U.N.O.
- ALL STANDARDS & SPECIFICATIONS NOTED TO REFLECT "LATEST EDITION".
- REFER TO ARCHITECTURAL DRAWINGS FOR THE SIZES & LOCATIONS OF ALL EXTERIOR & INTERIOR DOOR & WINDOW OPENINGS THROUGH ALL WALLS.
- COORDINATE ALL DIMENSIONS WITH ALL OTHER DISCIPLINE DRAWINGS. NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION

DESIGN NOTES:

- STRUCTURAL ELEMENTS DESIGNED IN ACCORDANCE WITH:
 - CONCRETE: CSA A23.3
 - STEEL: CSA S16
- DESIGN LOADING:
 - WIND:
 $q_{10} = 0.42 \text{ kPa}$
 $q_{30} = 0.54 \text{ kPa}$
 - SNOW:
 $S_s = 2.6 \text{ kPa}$
 $S_i = 0.6 \text{ kPa}$

TIMBER FRAMING NOTES

- ALL TIMBER AND LUMBER TO COMPLY WITH DESIGN STANDARD CSA-086 AND ALL DIMENSIONAL LUMBER TO COMPLY WITH CSA-Q141.
- ALL PLYWOOD SHEATHING AND OSB SHEATHING TO COMPLY WITH CSA-0325 CONSTRUCTION SHEATHING.
- ROOF SHEATHING TO BE 19mm (3/4") EXTERIOR GRADE PLYWOOD, REFER TO ARCHITECTURAL DRAWINGS.
- WALL SHEATHING TO BE 19mm (3/4") EXTERIOR GRADE PLYWOOD, REFER TO ARCHITECTURAL DRAWINGS.
- CUTTING OF HOLES OR REMOVAL OF STRUCTURAL FRAMING BY TRADES FOR INSTALLATION OF PIPING, DUCTWORK, ELECTRICAL, ETC. IS NOT PERMITTED WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.
- ROOF OWJ (OPEN WEB JOISTS) DRAWINGS TO BE SIGNED BY A ENGINEER REGISTERED IN THE PROVINCE OF NEW BRUNSWICK AND SUBMITTED TO DESIGNPOINT FOR REVIEW PRIOR TO FABRICATION.
- OWJ DRAWINGS BY SUPPLIER TO SHOW ALL STRUCTURAL INFORMATION INCLUDING MEMBER LOADS, MEMBER SIZES, CONNECTION DETAILS, BRACING, PLACEMENT ETC.
- OWJ SUPPLIER TO SUBMIT DETAILS AND CAPACITIES OF ALL CONNECTIONS (HANGERS, UPLIFT ANCHORS, ETC.) FOR APPROVAL PRIOR TO FABRICATION.
- OWJ SUPPLIER TO PROVIDE BEARING SHOES WHERE REQUIRED IF ALLOWABLE BEARING STRESS PERPENDICULAR TO THE GRAIN IS EXCEEDED. SUBMIT SHOP DRAWINGS TO DESIGN POINT IF REQUIRED.
- HANGING OF SERVICES FROM OWJ MUST BE STAGGERED AND APPROVED BY THE STRUCTURAL ENGINEER.
- INSTALL WOOD SHEATHING TO STUD WALLS AND ROOF FRAMING WITH JOINTS STAGGERED AND ENDS BUTTED OVER FRAMING. NAIL WOOD SHEATHING WITH 51mm (2") LG. COMMON NAILS AT 152mm (6") o/c ALONG EDGES AND 305mm (12") o/c ON THE INTERMEDIATE SUPPORTS.
- OWJ TO BE FASTENED TO TOP PLATES WITH 18 GAUGE ZINC COATED TIE DOWN ANCHORS AT EACH END (BY OWJ SUPPLIER).
- OWJ TO BE HANDLED, INSTALLED AND TEMPORARILY AND PERMANENTLY BRACED IN ACCORDANCE WITH BUILDING COMPONENT SAFETY INFORMATION GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING, RESTRAINING, AND BRACING METAL PLATE CONNECTED WOOD TRUSSES, LATEST EDITION.
- LAMINATED VENEER LUMBER (LVL) OR APPROVED EQUIVALENT, MINIMUM PROPERTIES TO BE:
 - $F_b = 20.0 \text{ MPa}$ (2900 PSI)
 - $F_v = 2.0 \text{ MPa}$ (285 PSI)
 - $E = 13790 \text{ MPa}$ (2,000,000 PSI)

STRUCTURAL STEEL NOTES

- ALL STRUCTURAL STEEL TO BE NEW STOCK & CONFORM TO THE FOLLOWING GRADES & STANDARDS.
 - STEEL SECTIONS - CAN/CSA-G40.21, GRADE 350W OR ASTM 572, GRADE 345 MPa WHERE APPLICABLE.
 - HOLLOW STRUCTURAL SECTIONS - CAN/CSA-G40.21, GRADE 350W CLASS C.
 - ANGLES, CHANNELS & PLATES - CAN/CSA-G40.21, GRADE 300W.
 - BARS - CAN/CSA-G40.21, GRADE 300W.
- ALL STRUCTURAL STEEL TO BE FABRICATED & ERECTED IN ACCORDANCE WITH CSA S16, LATEST EDITION.
- ALL WELDING & WELD MATERIALS TO COMPLY WITH CSA-W59, LATEST EDITION, & BE PERFORMED BY A FABRICATOR FULLY APPROVED UNDER CSA-W47.1, LATEST EDITION, DIVISIONS NO. 1 & NO. 2.
- ALL BOLTS, NUTS & WASHERS FOR STRUCTURAL STEEL CONNECTIONS TO CONFORM TO ASTM F3125/F3125M, LATEST EDITION U.N.O.
- ALL ANCHOR RODS, NUTS & WASHERS TO CONFORM TO ASTM A307 OR ASTM A449 AS NOTED, LATEST EDITION.
- STRUCTURAL STEEL PRIMER:
 - FOR STEEL TO BE COATED WITH ARCHITECTURAL PAINT, PRIMER TO CISC/CPMA 2-75 U.N.O. TOUCH UP SCRATCHES, BOLTS, AND WELDS AFTER ALL STEEL IS ERECTED.
 - FOR ALL OTHER STEEL, PRIMER TO CISC/CPMA 1-73-A U.N.O. TOUCH UP SCRATCHES, BOLTS, AND WELDS AFTER ALL STEEL IS ERECTED.
 - REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS TO BE PAINTED OR UNPAINTED.
- SPLICES IN STRUCTURAL STEEL MEMBERS, OTHER THAN THOSE SHOWN ON THE DRAWINGS, MUST HAVE THE WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER.
- ALL WELDED JOINTS IN ARCHITECTURALLY EXPOSED STRUCTURAL STEEL TO BE GROUND SMOOTH & HAVE ALL WELD SPATTER REMOVED.
- BOLTS IN SLOTTED HOLE CONNECTIONS MUST BE INSTALLED CONCENTRICALLY WITH THE SLOTTED PLATE TO PERMIT FREE MOVEMENT IN THE DIRECTION OF THE SLOT. SET THE NUTS WITH A COLD CHISEL OR PROVIDE PERMANENT RESTRAINT BY OTHER MEANS.
- TYPICAL SHEAR CONNECTIONS ARE TO BE DESIGNED TO RESIST 50% OF THE TOTAL UNIFORMLY DISTRIBUTED FACTORED LOAD CAPACITY OF THE MEMBERS U.N.O..
- PROVIDE MINIMUM 1/4" (6mm) THICK CAP PLATE AT ALL COLUMNS TYPICAL U.N.O..
- ALL STEEL NOTED TO BE GALVANIZED TO BE HOT DIPPED WITH MINIMUM ZINC COATING OF 2.0 oz/ft² (600 g/m²) & CONFORMING TO ASTM A123/123M.
- GRIND ALL FIELD WELD AREAS FREE OF GALVANIZING BEFORE WELDING. COAT ALL FIELD WELDS, NICKS/SCRATCHES & BOLTED CONNECTIONS WITH ZINC RICH PRIMER IN ACCORDANCE WITH CAN/CSG 8.1.181.

FOUNDATION NOTES:

- FOUNDATIONS ARE DESIGNED TO BEAR ON UNDISTURBED NATIVE MATERIAL OR FULLY COMPACTED ENGINEERED FILL WITH A MINIMUM ALLOWABLE BEARING CAPACITY OF 150 kPa (3 ksf). THESE BEARING PRESSURES ARE ASSUMED & TO BE VERIFIED BY A GEOTECHNICAL ENGINEER PRIOR TO POURING ANY CONCRETE.
- ALL ENGINEERED (STRUCTURAL) FILL & BACKFILLING IS TO BE PLACED UNDER THE CONTINUOUS SUPERVISION OF THE GEOTECHNICAL ENGINEER.
- THE GEOTECHNICAL ENGINEER TO INSPECT ALL PROPOSED BEARING SURFACES & CONFIRM THAT THE ALLOWABLE BEARING CAPACITY STATED IN THE GEOTECHNICAL REPORT, CAN BE ACHIEVED PRIOR TO PLACEMENT OF ANY CONCRETE IN FOOTINGS, & THAT BEARING SURFACE IS FREE FROM FROST & WATER. IF THE GEOTECHNICAL ENGINEER DEEMS BEARING SURFACE CAN NOT PROVIDE THE ALLOWABLE BEARING CAPACITY, THE CONTRACTOR IS TO LOWER FOOTINGS AS DIRECTED BY GEOTECHNICAL ENGINEER TO A LEVEL THAT CAN PROVIDE THE ALLOWABLE BEARING CAPACITY.
- BACKFILLING AGAINST WALLS OR GRADE BEAMS TO PROCEED IN APPROXIMATELY EQUAL LIFTS ON BOTH SIDES OF THE WALL OR GRADE BEAM, UNLESS NOTED OTHERWISE.
- NO PIPING/DUCTBANKS/CONDUIT ARE TO PASS UNDER ANY LOAD BEARING FOUNDATIONS OR WITHIN THEIR ASSOCIATED ZONE OF INFLUENCE.
- PROVIDE SHEAR KEYS IN THE TOP OF ALL CONCRETE WALL FOOTINGS, CENTRED UNDER WALL LOCATIONS.

REINFORCED CONCRETE NOTES

- ALL CONCRETE, CONCRETE MATERIALS, FORMS, WORKING PROCEDURES & THE LIKE TO CONFORM TO CSA A23.1, LATEST EDITION, UNLESS NOTED OTHERWISE.
- ALL CONCRETE TESTING TO CONFORM TO CSA-A32.2. CONTRACTOR TO BE RESPONSIBLE FOR ALL CONCRETE TESTING.
- MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS & CLASS OF EXPOSURE TO BE AS FOLLOWS UNLESS NOTED OTHERWISE ON DRAWINGS:
 - BUILDING FOUNDATIONS, FROST WALLS: 25 MPa/F-2
 - INTERIOR SLABS ON GRADE: 25 MPa/N
 - MUD SLABS: 20 MPa/N
 - CURBS, EXTERIOR PADS & WALKWAYS: 32 MPa/C-2
- CONCRETE PROTECTIVE COVER TO REINFORCING STEEL TO BE AS FOLLOWS UNLESS NOTED OTHERWISE ON DRAWINGS:
 - CAST AGAINST GROUND - NO FORM WORK: 20 MPa/N
 - EXPOSED TO EARTH OR WEATHER: 32 MPa/C-2
 - C.
- ALL REINFORCING STEEL TO BE DETAILED, FABRICATED, PLACED AND SUPPORTED IN ACCORDANCE WITH THE "REINFORCING STEEL MANUAL OF STANDARD PRACTICE," BY THE REINFORCING STEEL INSTITUTE OF CANADA.
- ALL REINFORCING BARS MUST BE ACCURATELY SUPPORTED ON PLASTIC COATED STEEL HIGH CHAIRS TO MAINTAIN SPECIFIED CONCRETE COVER.
- CONSTRUCTION JOINTS TO BE LOCATED SO AS TO LEAST IMPAIR THE STRENGTH OF THE STRUCTURE. LOCATIONS TO BE AS SHOWN ON THE DRAWINGS OR CONTRACTOR IS TO SUBMIT PROPOSED CONSTRUCTION JOINTS FOR THE STRUCTURAL ENGINEER'S APPROVAL. CONSTRUCTION JOINTS TO BE KEVED & REINFORCEMENT TO NOT BE INTERRUPTED.
- ALL REINFORCING STEEL TO HAVE A MINIMUM YIELD POINT STRENGTH OF 400 MPa & TO CONFORM TO CSA 30.18-M, LATEST EDITION.
- ALL W.W.F. TO CONFORM TO ASTM A82 & ASTM A185, LATEST EDITIONS. UNLESS NOTED OTHERWISE, REINFORCING STEEL TO BE PROVIDED WITH A CLASS 'B' TENSION LAP TO CSA A23.3, LATEST EDITION AT ALL SPLICE LOCATIONS.



3	ISSUED FOR TENDER	22.03.31
2	ISSUED FOR 90% REVIEW	22.03.11
1	ISSUED FOR 60% CD	22.01.22
Revisions		date

INGONISH BEACH WASHROOM AND KIOSK

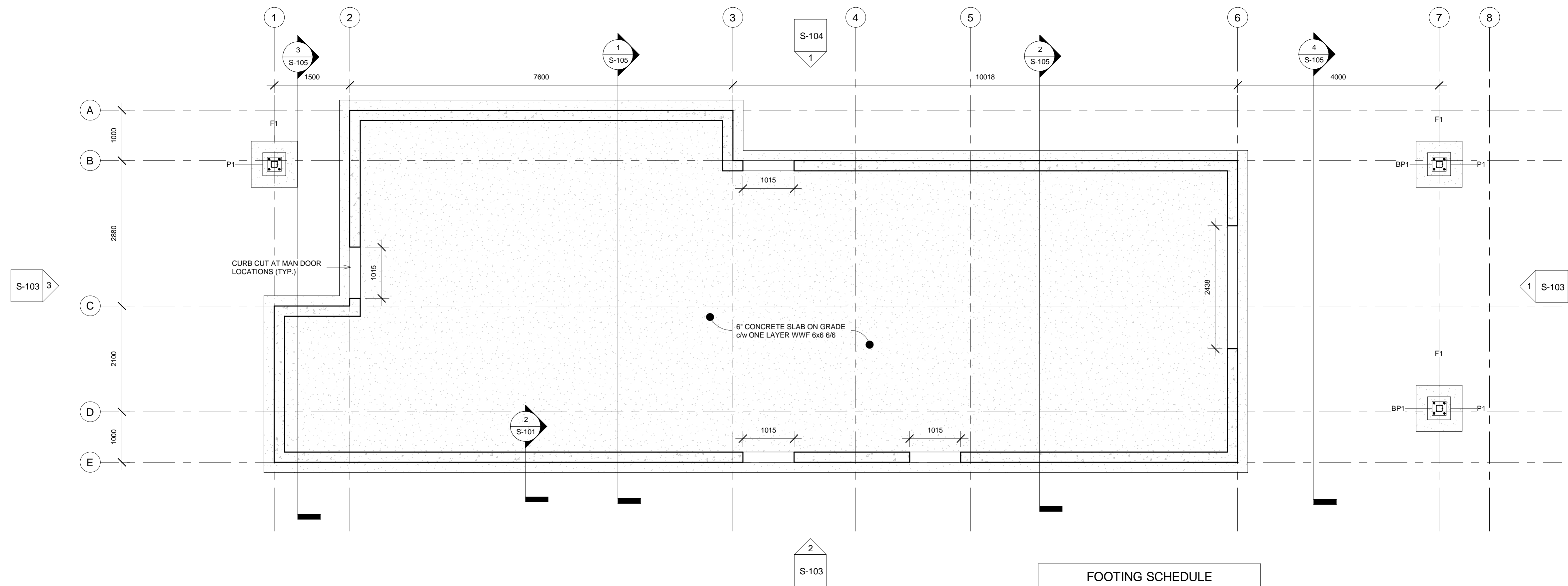
drawing	dessin
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FOUNDATION PLAN

designé	A. MCCracken	conçu
date	19- JAN- 2022	
dessiné	A. MCCracken	dessiné
date	19- JAN- 2022	
approuvé	E. TEASDALE	approuvé
date	31- MAR- 2022	
expéditeur		Submission
DOUGAN KENNEDY		
project Manager	Administrateur de projets	
project number	21 380	no. du projet

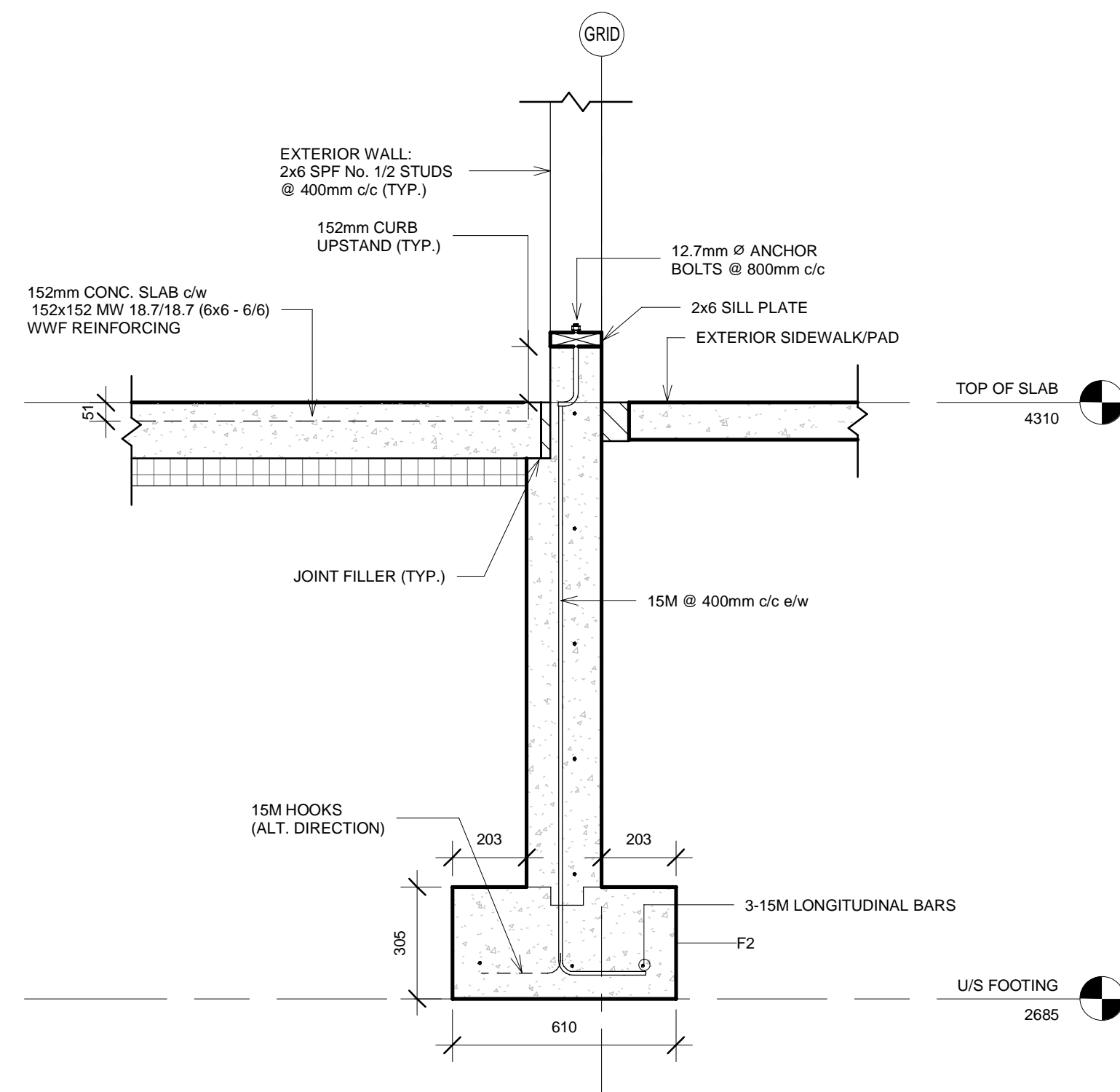
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- DRM/GDD- E:

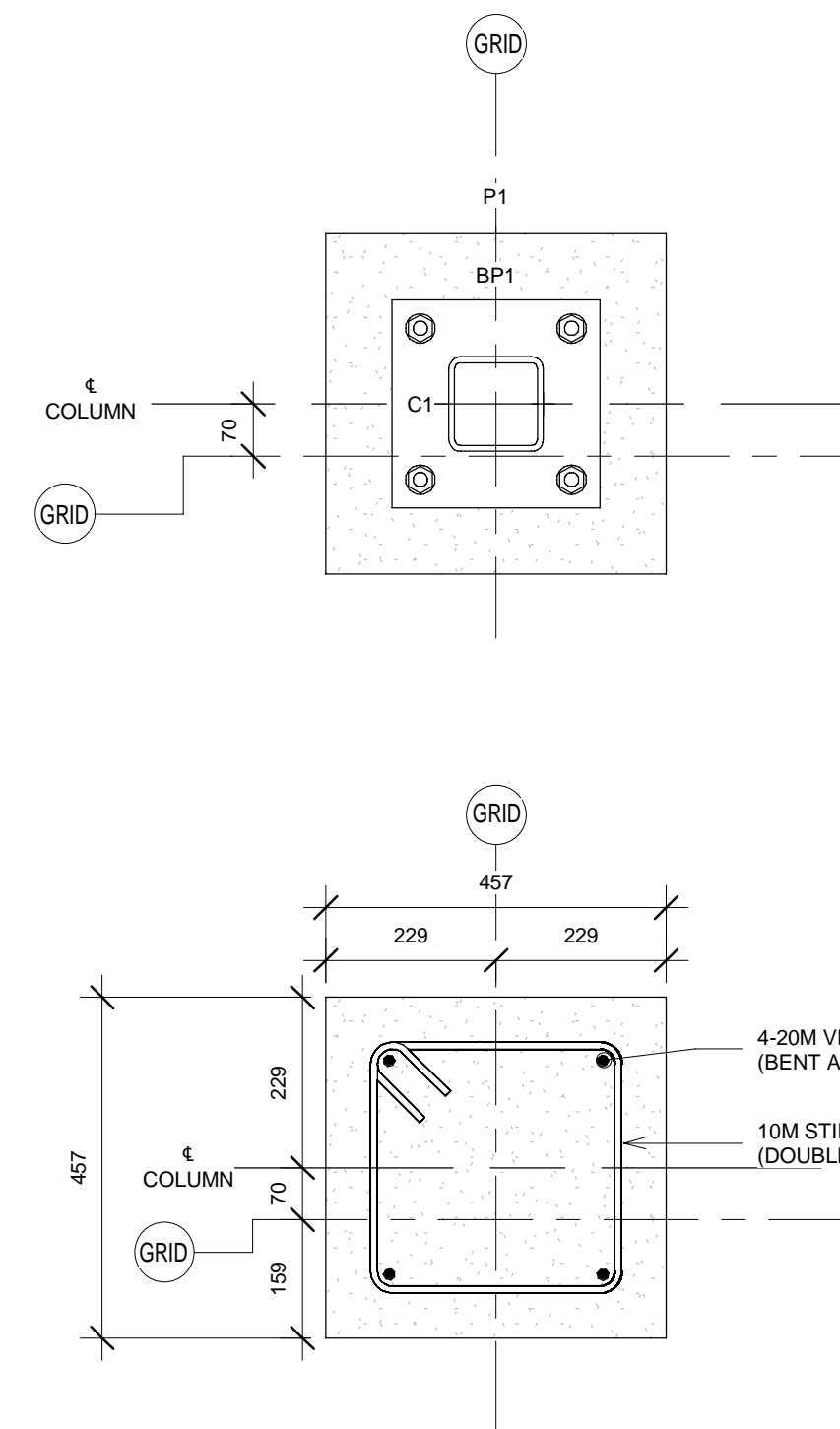


FOOTING SCHEDULE		
TYPE MARK	TYPE	REINFORCING
F1	914x914x305mm	3-15M e/w t&b
F2	610x305mm STRIP	3-15M LONGITUDINAL

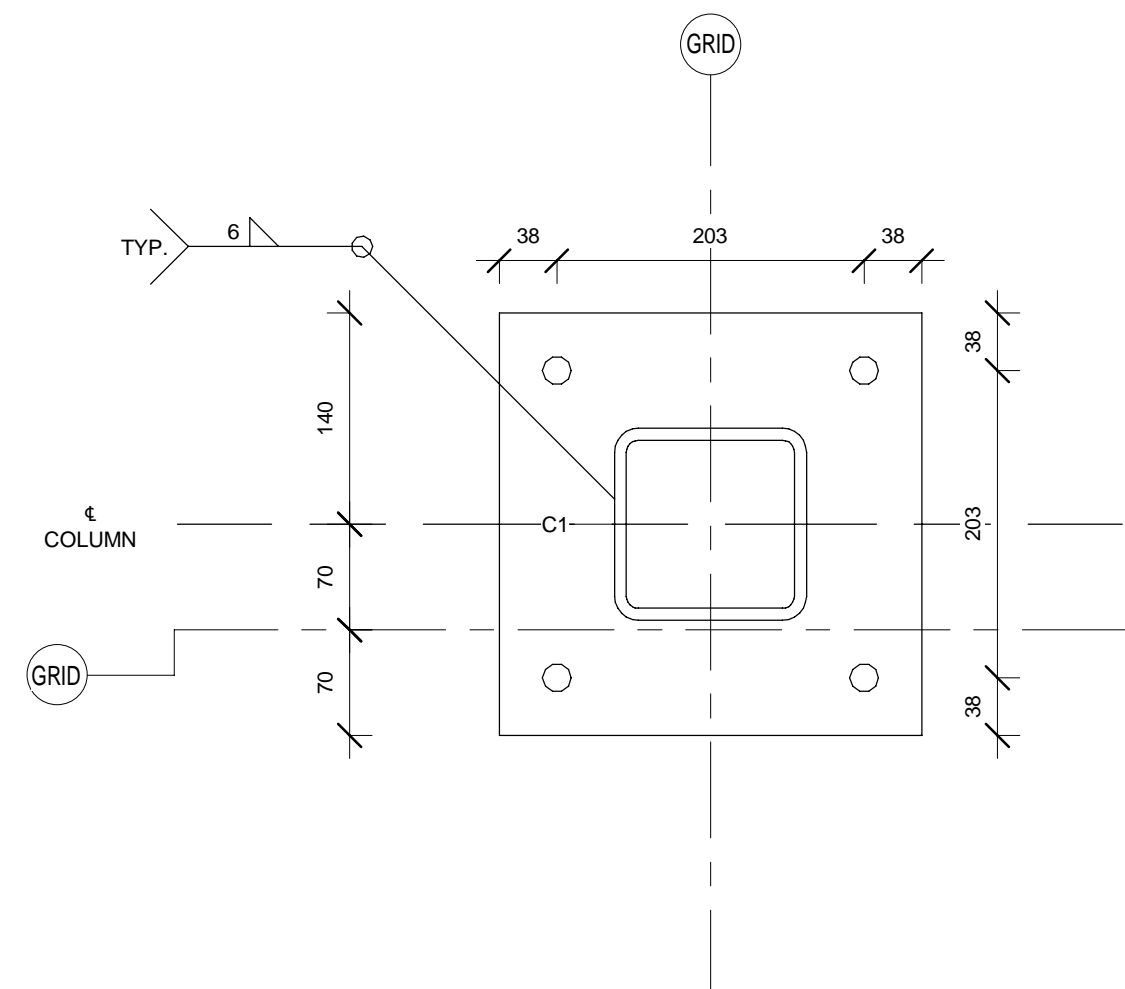
1 FOUNDATION PLAN
S-101 1 : 50



2 FOUNDATION WALL DETAIL
S-101 1:15

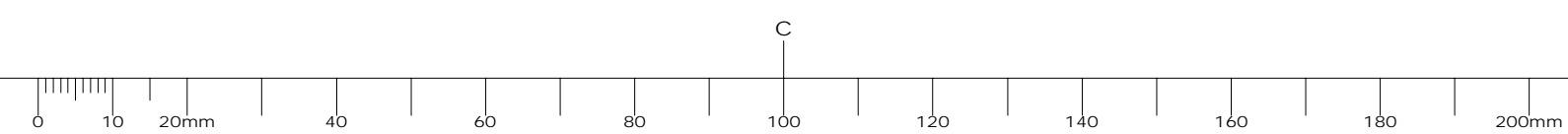


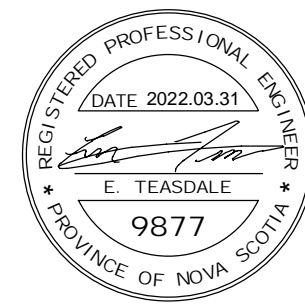
3 PILASTER - P1
S-101 1 : 10



- BASE PLATE NOTES:**
1. ALL BASE PLATES TO BE 3/4" (19mm) THICK U.N.O..
 2. PROVIDE 1" (25mm) THICK NON-SHRINK GROUT UNDER ALL BASE PLATES
 3. ALL BASE PLATES TO BE CENTRED ON GRID & COLUMN U.N.O..
 4. SEE FOOTING SCHEDULE FOR U/S BASE PLATE ELEVATIONS.
 5. COLUMNS TO BE WELDED TO BASE PLATES WITH 1/4" (6mm) FILLET WELD ALL AROUND TYP. U.N.O..

4 BASE PLATE - BP1
S-101 1:5





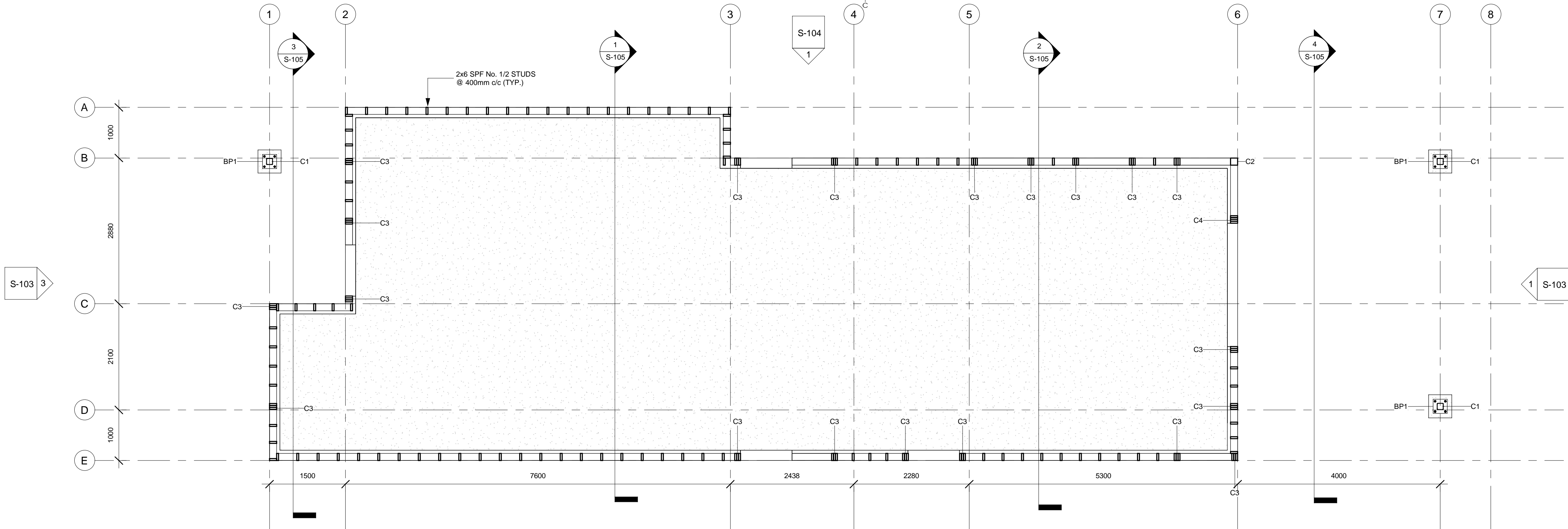
INGONISH BEACH
WASHROOM AND KIOSK

LEVEL 1 & ROOF
FRAMING PLANS

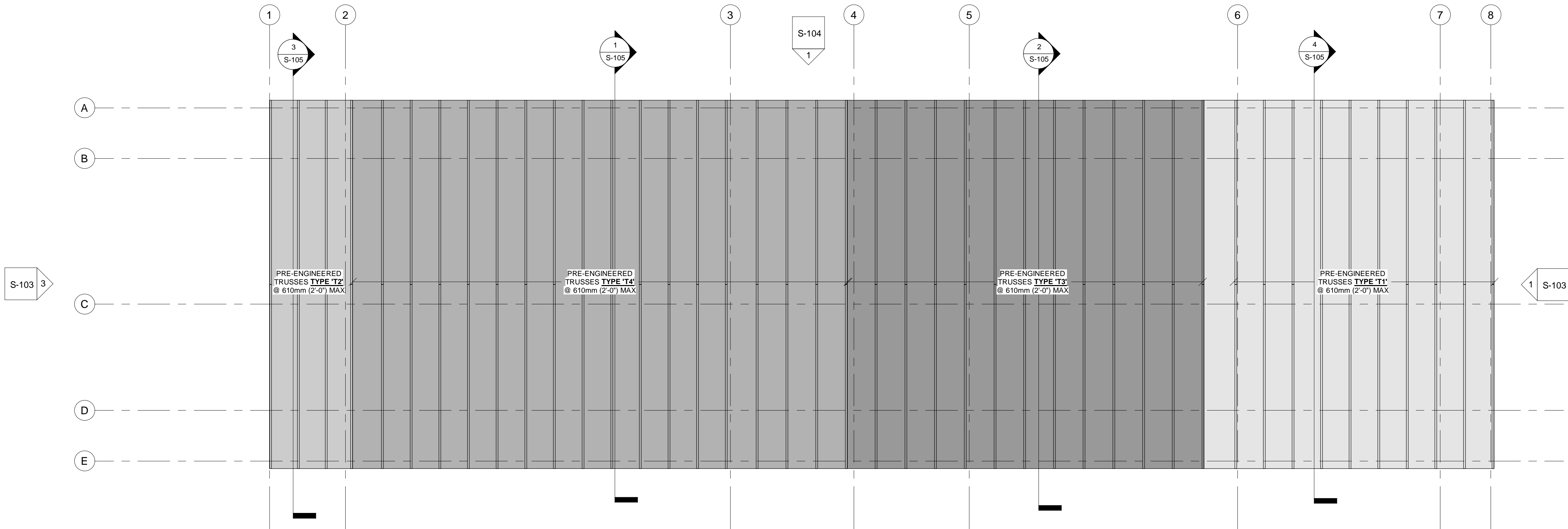
designed	A. MCCracken	conçu
date	19- JAN- 2022	
drawn	A. MCCracken	dessiné
date	19- JAN- 2022	
approved	E. TEASDALE	approuvé
date	31- MAR- 2022	
Tender	DUGGAN KENNEDY	Soumission
Project Manager	Administrateur de projets	
project number	21- 389	no. du projet

drawing no. S- 102 no. du dessin

E- DRM/GDD- E:



1 LEVEL 1 FRAMING PLAN
1 : 50



2 ROOF FRAMING PLAN
1 : 50

STRUCTURAL FRAMING SCHEDULE		
TYPE MARK	TYPE	GRADE
B1	5.25"x11.25"	LVL 2100Fb-2.1E
B2	5.25"x9.25"	LVL 2100Fb-2.1E
B3	3-Ply 2x10	SPF No. 1/2

COLUMN SCHEDULE		
TYPE MARK	TYPE	DESCRIPTION
C1	HS127x127x8.0	CSA G40.21 STEEL
C2	6x6 POST	SPF No. 1
C3	3-Ply 2x6	SPF No. 1/2
C4	4-Ply 2x6	SPF No. 1/2



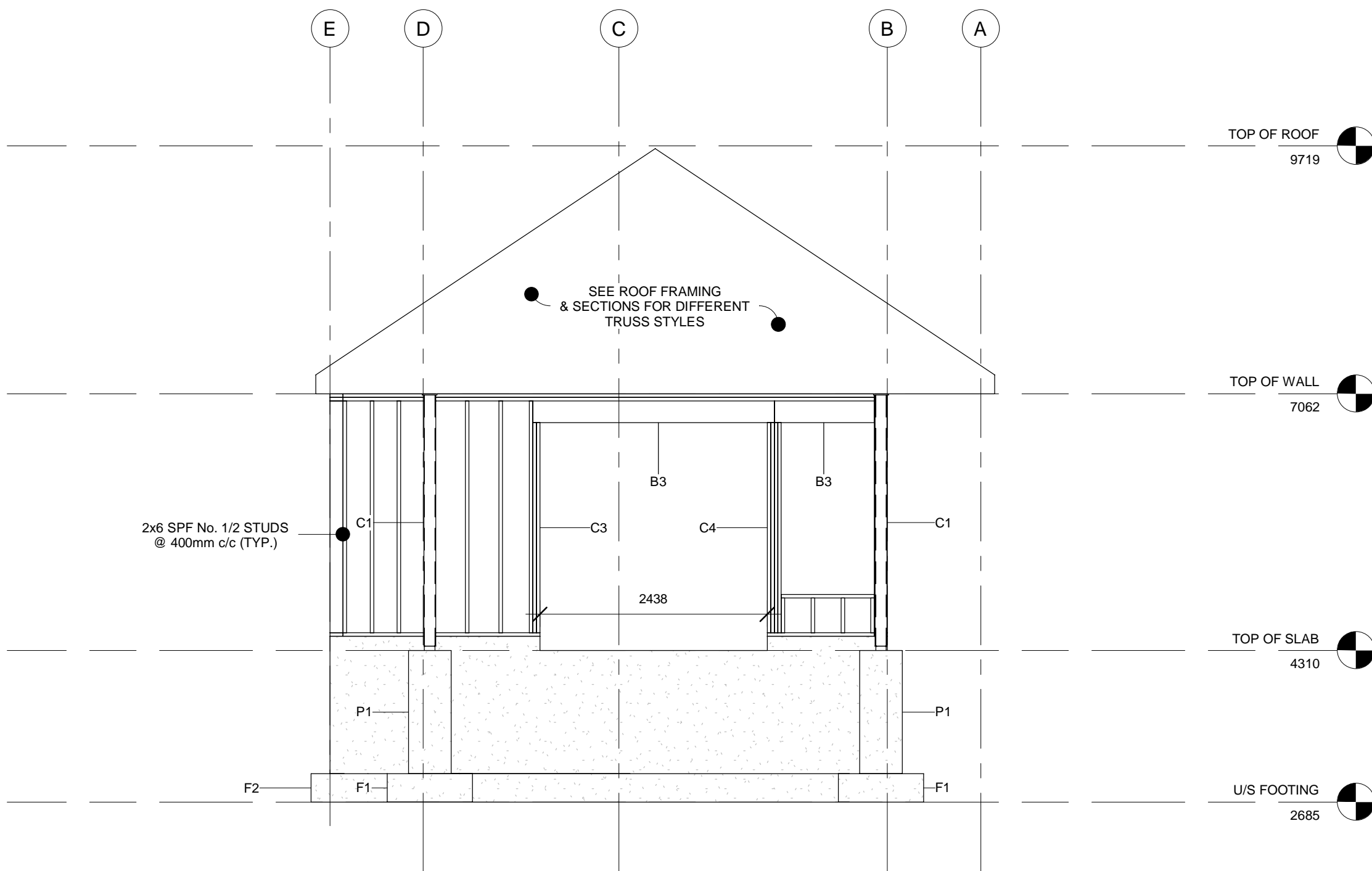
3	ISSUED FOR TENDER	22.03.31
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1	ISSUED FOR 60% CD	22.01.22
revisions		date

INGONISH BEACH
WASHROOM AND KIOSK

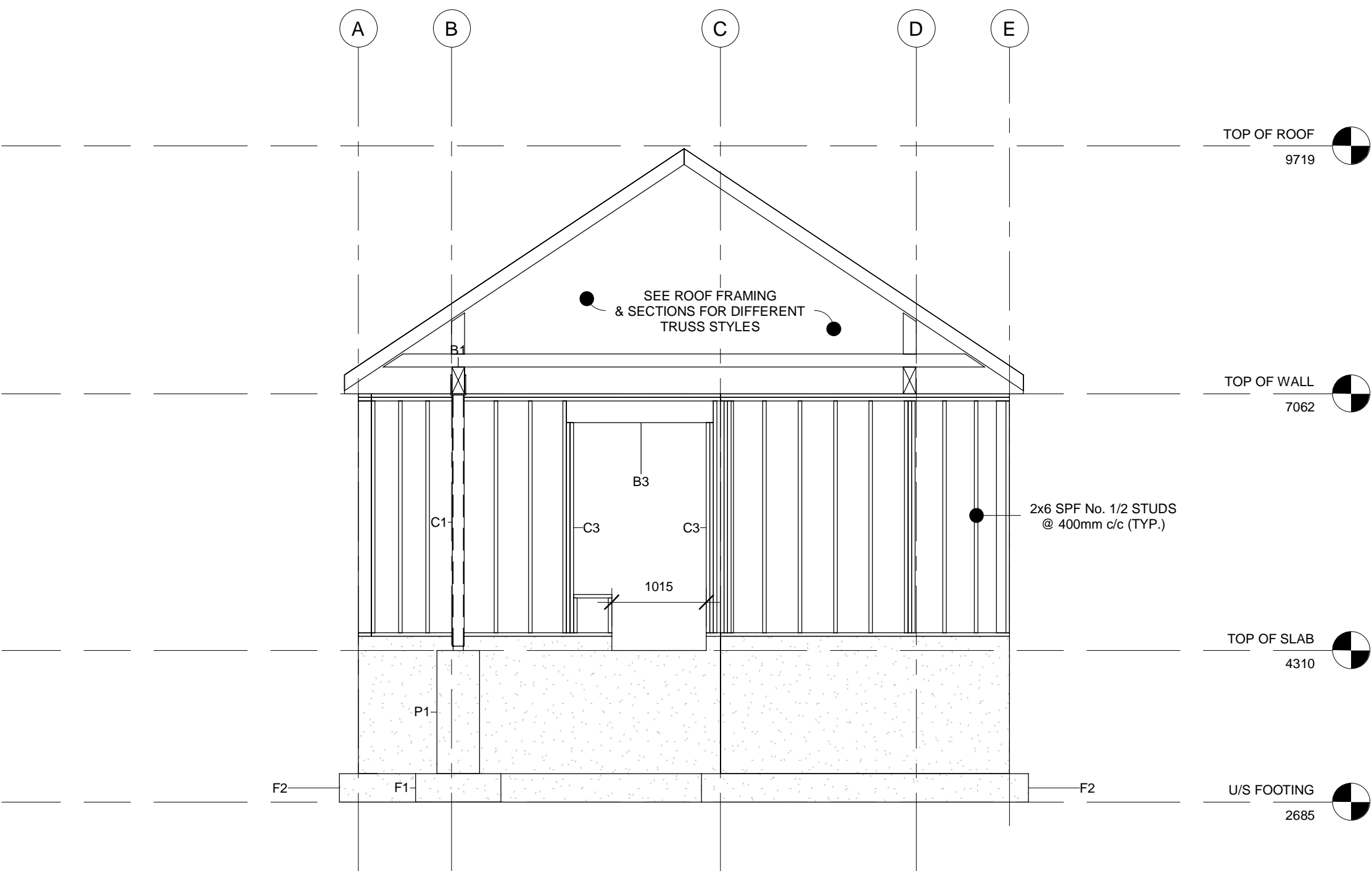
STRUCTURAL ELEVATION
VIEWS

designed	A. MCCRACKEN	conçu
date	19- JAN- 2022	
drawn	A. MCCRACKEN	dessiné
date	19- JAN- 2022	
approved	E. TEASDALE	approuvé
date	31- MAR- 2022	
Tender	DUGGAN KENNEDY	Soumission
Project Manager		Administrateur de projets
project number	21- 389	no. du projet

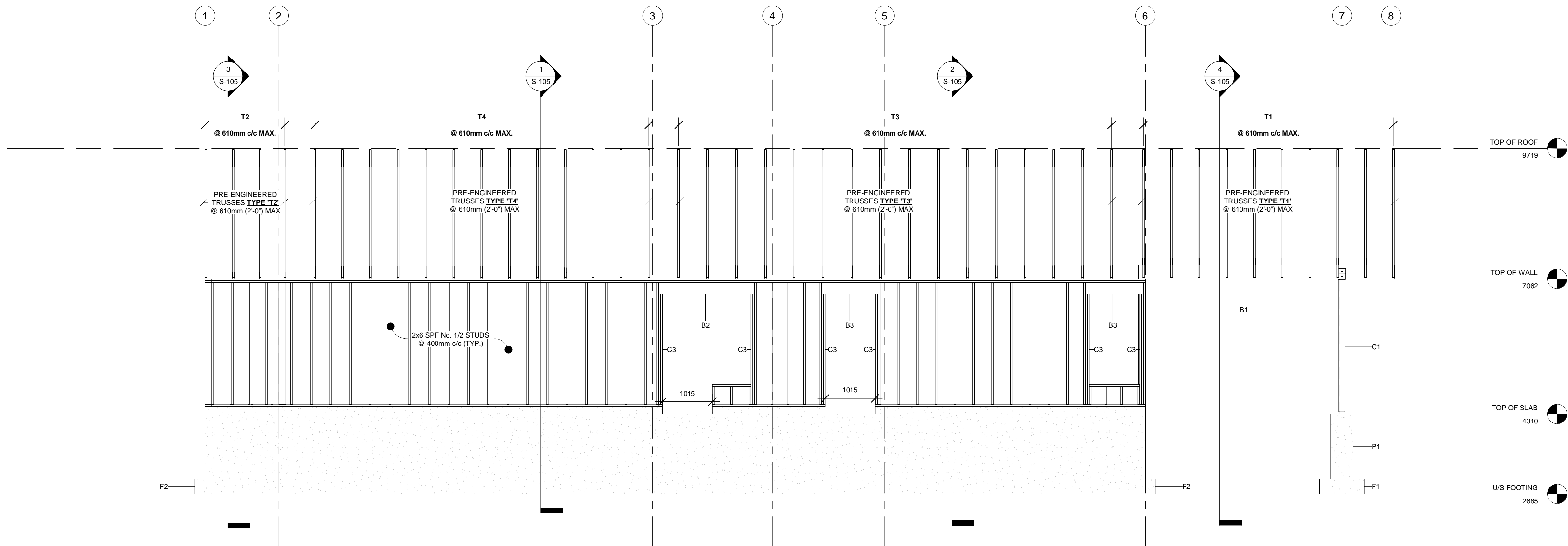
drawing no. S- 103 no. du dessin



1 WEST ELEVATION
S-103 1 : 50



3 EAST ELEVATION
S-103 1 : 50

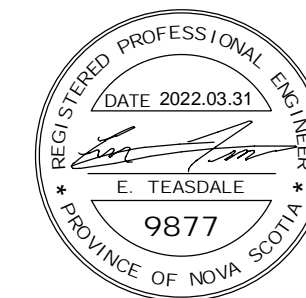


2 NORTH ELEVATION
S-103 1 : 50

STRUCTURAL FRAMING SCHEDULE		
TYPE MARK	TYPE	GRADE
B1	5.25"x11.25"	LVL 2100Fb-2.1E
B2	5.25"x9.25"	LVL 2100Fb-2.1E
B3	3-Ply 2x10	SPF No. 1/2

COLUMN SCHEDULE		
TYPE MARK	TYPE	DESCRIPTION
C1	HS127x127x8.0	CSA G40.21 STEEL
C2	6x6 POST	SPF No. 1
C3	3-Ply 2x6	SPF No. 1/2
C4	4-Ply 2x6	SPF No. 1/2

FOOTING SCHEDULE		
TYPE MARK	TYPE	REINFORCING
F1	914x914x305mm	3-15M e/w t&b
F2	610x305mm STRIP	3-15M LONGITUDINAL



INGONISH BEACH
WASHROOM AND KIOSK

STRUCTURAL ELEVATION
VIEWS & DETAILS

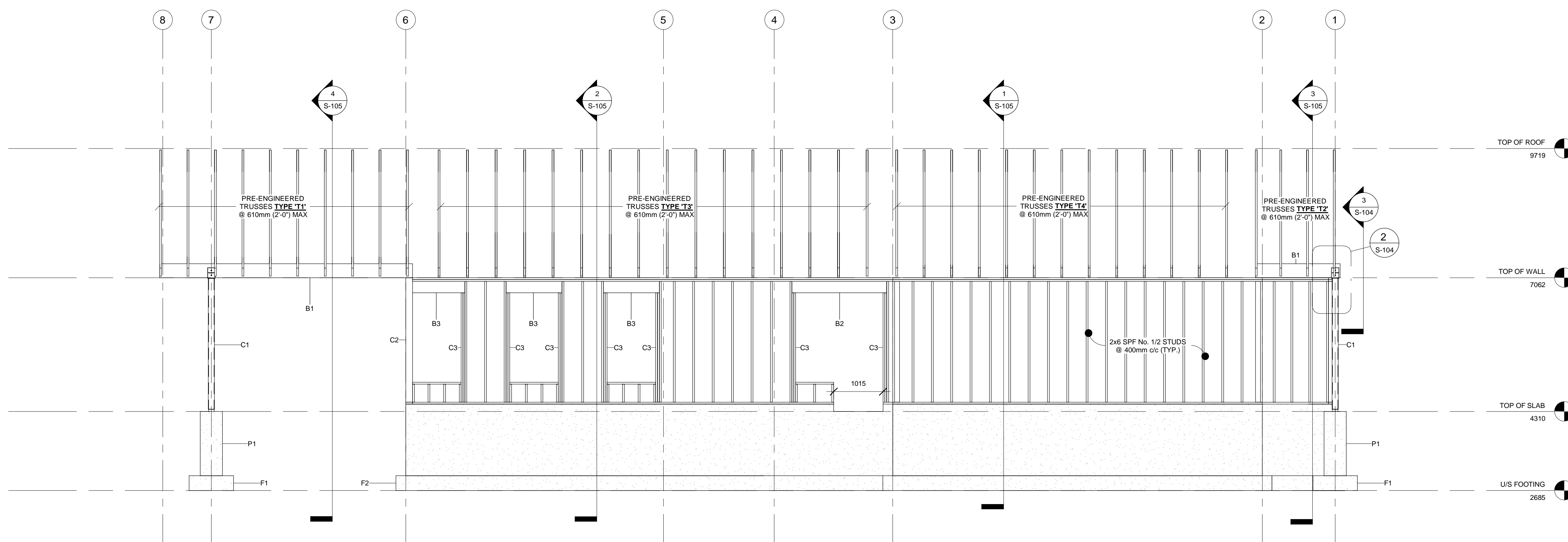
designed A. MCCracken conçu
date 19- JAN- 2022
drawn A. MCCracken dessiné
date 19- JAN- 2022
approved E. TEASDALE approuvé
date 31- MAR- 2022
Tender DUGGAN KENNEDY Soumission
Project Manager Administrateur de projets
project number no. du projet

21- 389

drawing no. no. du dessin

S- 104

E- DRM/GDD- E:



1 SOUTH ELEVATION

1 : 50

STRUCTURAL FRAMING SCHEDULE

TYPE MARK	TYPE	GRADE
B1	5.25"x11.25"	LVL 2100Fb-2.1E
B2	5.25"x9.25"	LVL 2100Fb-2.1E
B3	3-Ply 2x10	SPF No. 1/2

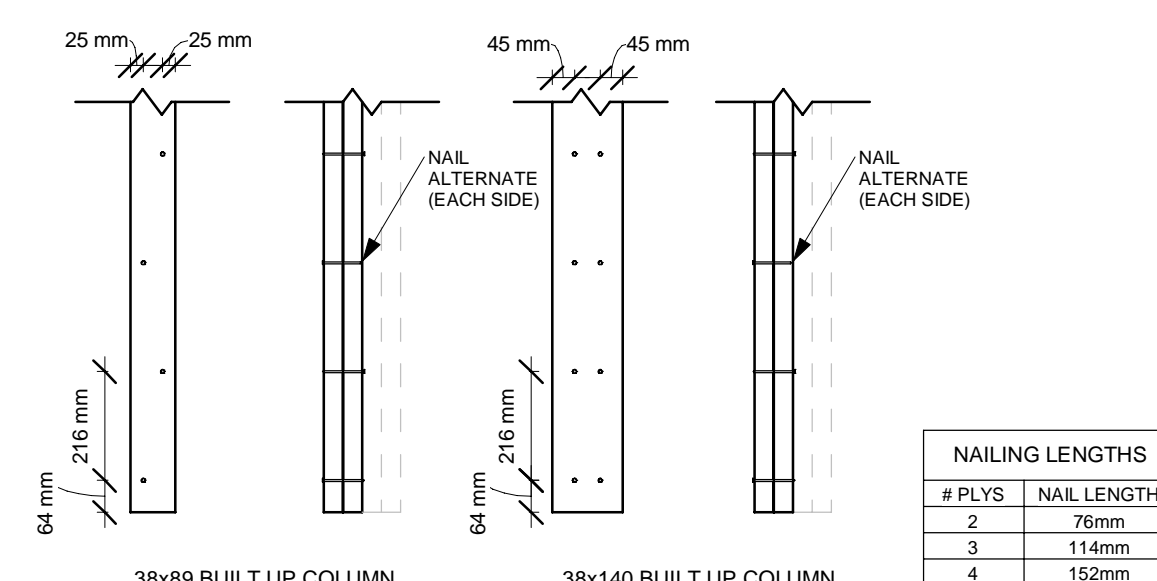
COLUMN SCHEDULE

TYPE MARK	TYPE	DESCRIPTION
C1	HS127x127x8.0	CSA G40-21 STEEL
C2	6x6 POST	SPF No. 1
C3	3-Ply 2x6	SPF No. 1/2
C4	4-Ply 2x6	SPF No. 1/2

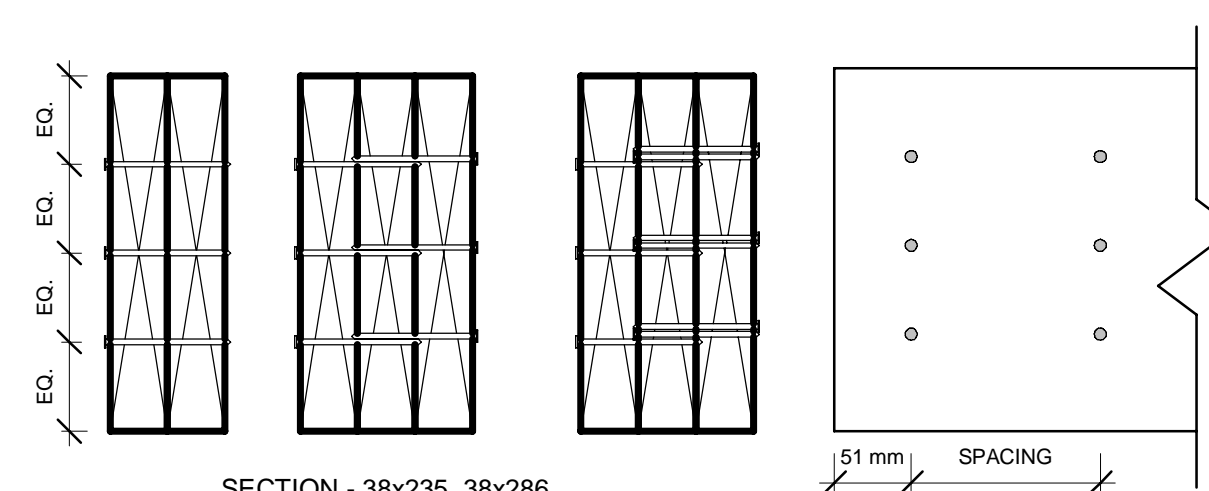
FOOTING SCHEDULE

TYPE MARK	TYPE	REINFORCING
F1	914x914x305mm	3-15M e/w 180
F2	610x305mm STRIP	3-15M LONGITUDINAL

BUILT UP COLUMN DETAILS



BUILT UP BEAM DETAILS

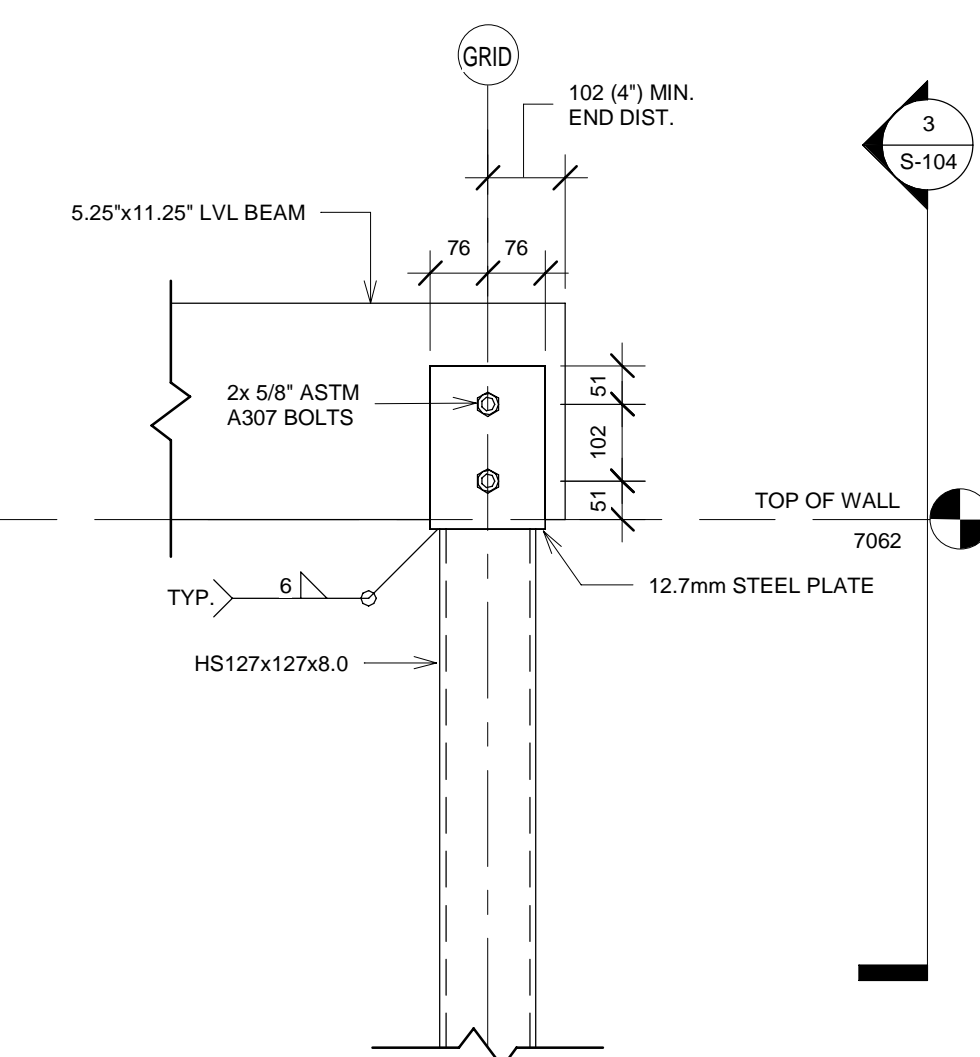


NAILING REQUIREMENTS
FOR SIDE LOADED BEAMS

MEMBER	# PLYS	SPACING
SPF 2x6 2x8	2	(2) @ 150mm STAGGERED
	3	(2) @ 150mm
	4	(2) @ 100mm
	2	(2) @ 300mm
SPF 2x10 2x12	3	(2) @ 200mm
	4	(2) @ 150mm

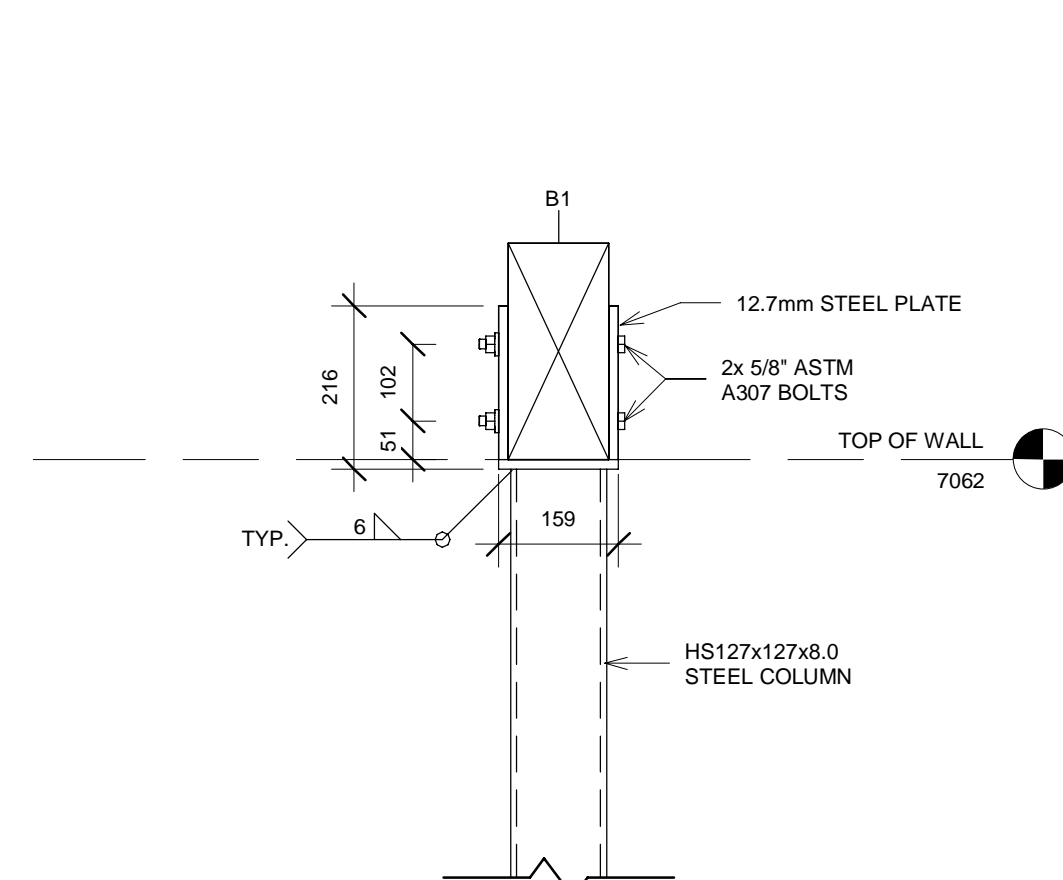
NOTES:

- ALL NAILS TO BE MINIMUM 76mm x 3.3mm @ AIR NAILS OR BETTER
- SIDE LOADED BEAMS EXCEEDING 4-PLY IS NOT CONSIDERED ACCEPTABLE.
- FOR ENGINEERED LUMBER, SEE MANUFACTURERS RECOMMENDATIONS.
- FOLLOW NAILING PATTERN SPECIFIED FOR 2-PLY BEAMS FOR MULTI-PLY BEAMS LOADED IN UNIFORM TOP BEARING.



2 BEAM TO COLUMN

1 : 10



3 BEAM TO COLUMN

1 : 10

COLUMN SCHEDULE		
TYPE MARK	TYPE	DESCRIPTION
C1	HS127x127x8.0	CSA G40.21 STEEL
C2	6x6 POST	SPF No. 1
C3	3-Ply 2x6	SPF No. 1/2
C4	4-Ply 2x6	SPF No. 1/2

STRUCTURAL FRAMING SCHEDULE		
TYPE MARK	TYPE	GRADE
B1	5.25"x11.25"	LVL 2100Fb-2.1E
B2	5.25"x9.25"	LVL 2100Fb-2.1E
B3	3-Ply 2x10	SPF No. 1/2

FOOTING SCHEDULE		
TYPE MARK	TYPE	REINFORCING
F1	914x914x305mm	3-15M e/w l&b
F2	610x305mm STRIP	3-15M LONGITUDINAL



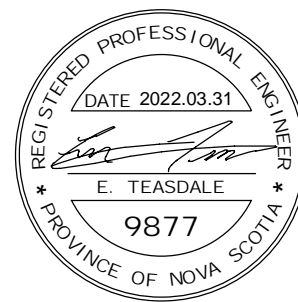
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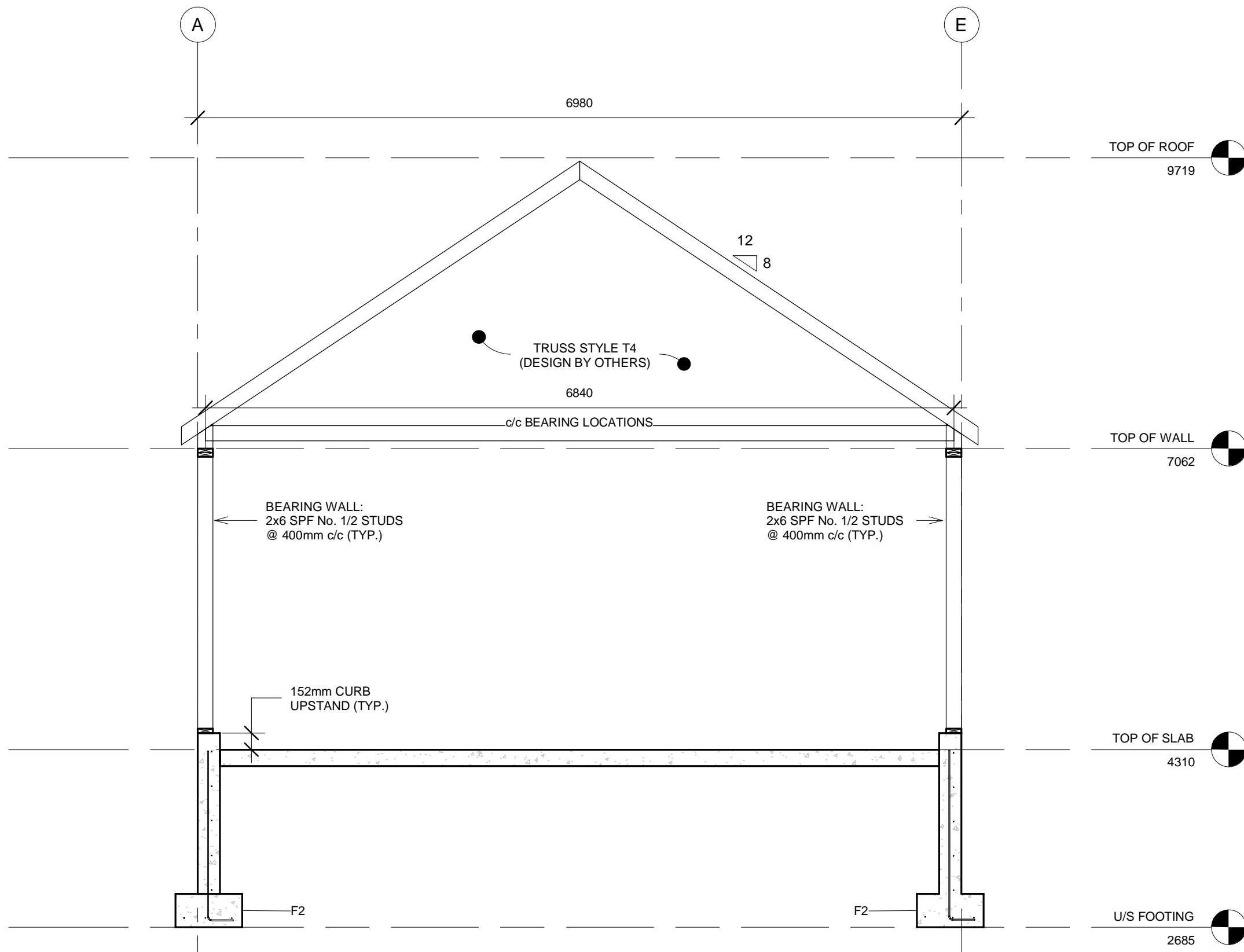
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2	ISSUED FOR 90% REVIEW	22.03.11
1	ISSUED FOR 60% CD	22.01.22

revisions	date
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INGONISH BEACH
WASHROOM AND KIOSK

STRUCTURAL SECTIONS

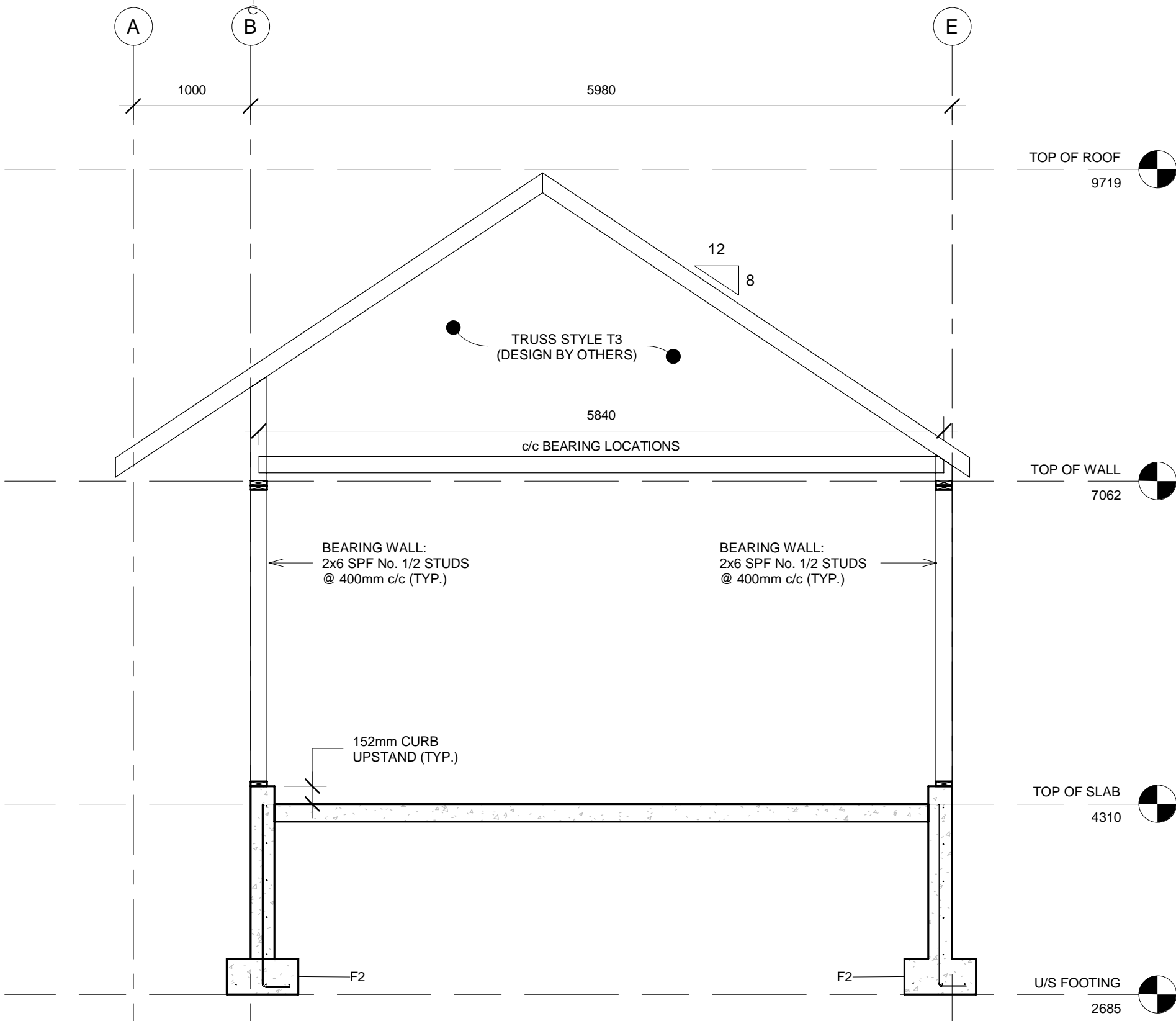
designed	A. MCCracken	conçu
date	19- JAN- 2022	
drawn	A. MCCracken	dessiné
date	19- JAN- 2022	
approved	E. TEASDALE	approuvé
date	31- MAR- 2022	
Tender	DUGGAN KENNEDY	Soumission
Project Manager	Administrateur de projets	
project number	no. du projet	
21- 389		
drawing no.	no. du dessin	
S- 105		



1
S-105

SECTION 1

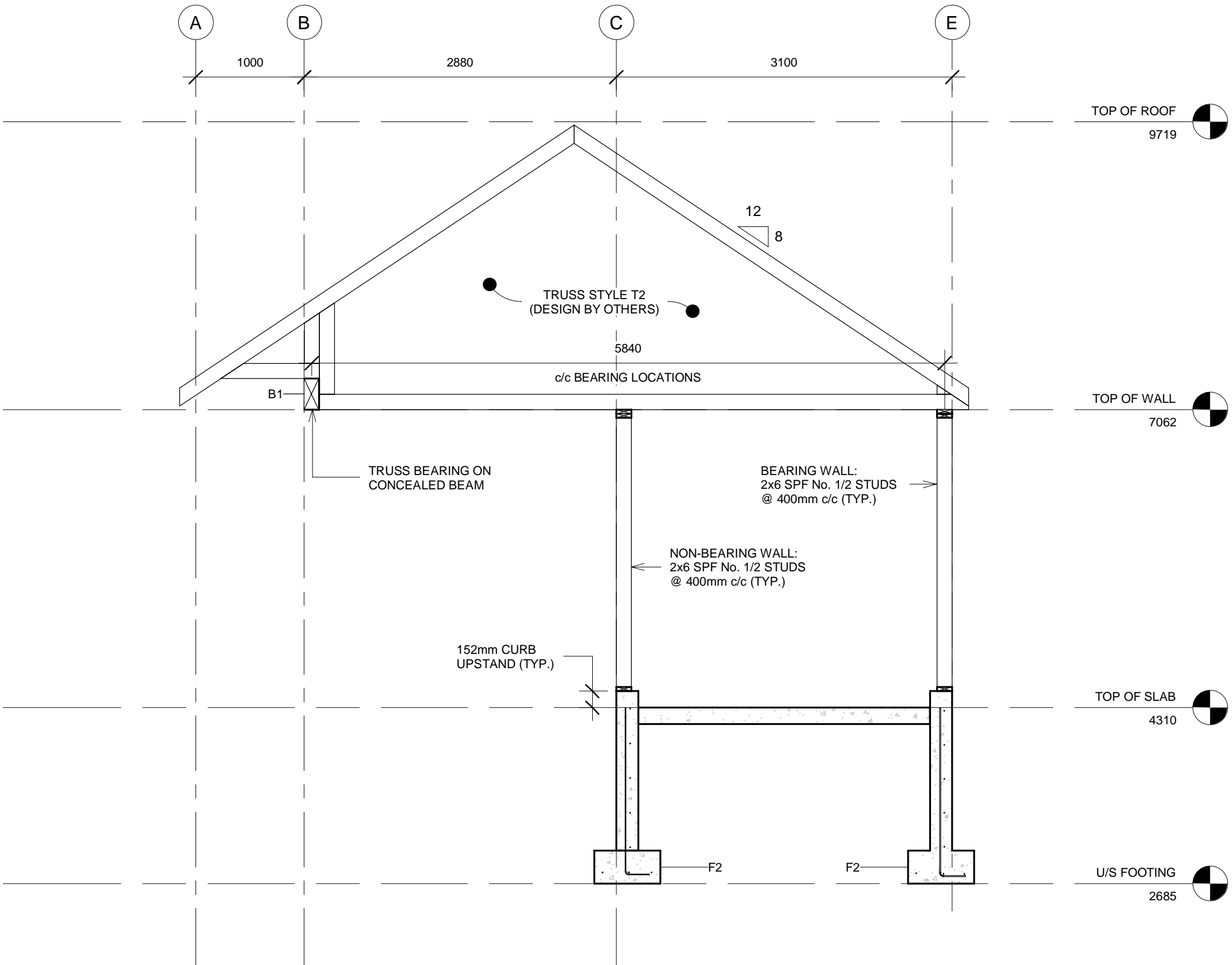
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2
S-105

SECTION 2

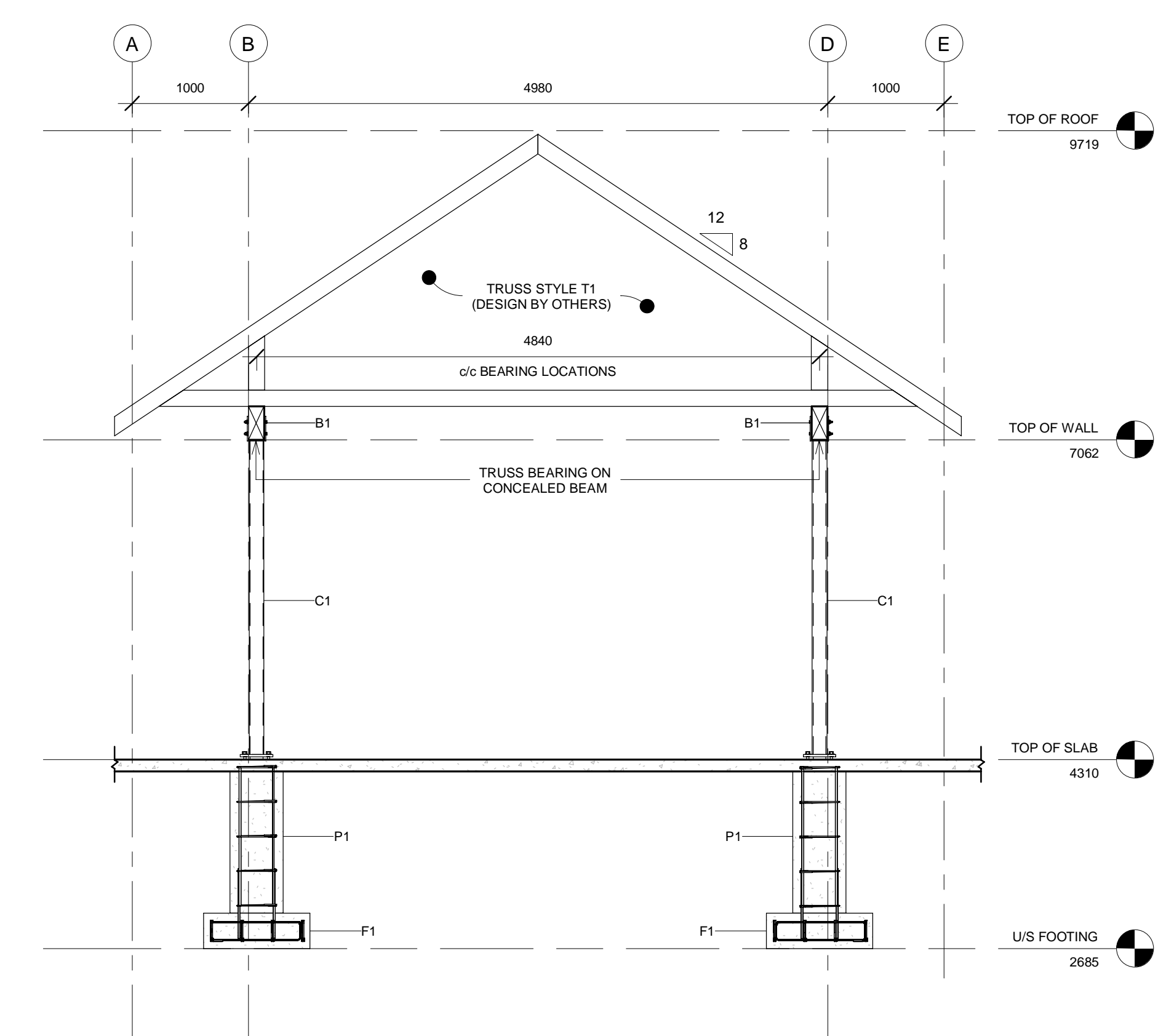
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3
S-105

SECTION 3

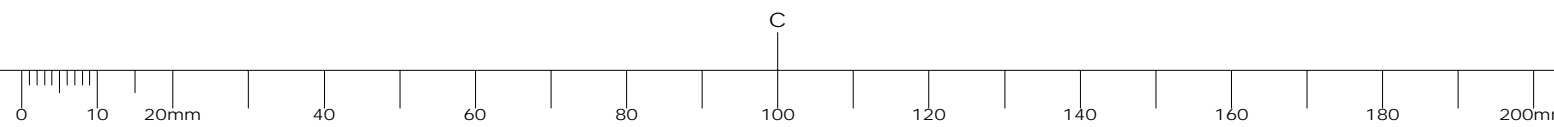
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4
S-105

SECTION 4

1:40



WINDOW SCHEDULE			
SYMBOL	WIDTH	HEIGHT	DESCRIPTION
[W1]	1800mm	2414mm	ALUMINUM ENTRANCE – WINDOW AND ALUMINUM PANEL
[W2]	1400mm	2414mm	ALUMINUM ENTRANCE – WINDOW AND ALUMINUM PANEL
[W3]	1017mm	2414mm	ALUMINUM ENTRANCE – WINDOW AND ALUMINUM PANEL
[W4]	1000mm	1814mm	THERMALLY BROKEN ALUMINUM WINDOW, FIXED

DOOR SCHEDULE							
DOOR #	FROM	TO	DOOR TYPE	WIDTH	HEIGHT	DESCRIPTION	HARDWARE
D1.1	01	EXT.	D1	915mm	2134mm	ALUMINUM CURTAIN WALL ENTRANCE DOOR	H-1
D1.2	01	EXT.	D1	915mm	2134mm	ALUMINUM CURTAIN WALL ENTRANCE DOOR	H-1
D2.1	02	EXT.	D1	915mm	2134mm	ALUMINUM CURTAIN WALL ENTRANCE DOOR	H-1
D3.1	02	03	D2	915mm	2134mm	INSULATED METAL DOOR / PRESSED STEEL FRAME	H-3
D4.1	02	04	D2	915mm	2134mm	INSULATED METAL DOOR / PRESSED STEEL FRAME	H-3
D5.1	02	05	D2	915mm	2438mm	INSULATED METAL DOOR / PRESSED STEEL FRAME	H-3
D6.1	02	06	D2	915mm	2134mm	INSULATED METAL DOOR / PRESSED STEEL FRAME	H-3
D7.1	02	07	D2B	915mm	2134mm	INSULATED METAL DOOR / PRESSED STEEL FRAME	H-4
D8.1	02	08	D2B	915mm	2134mm	INSULATED METAL DOOR / PRESSED STEEL FRAME	H-5
D9.1	02	09	D2	915mm	2134mm	INSULATED METAL DOOR / PRESSED STEEL FRAME	H-6
D10.1	02	10	D2	915mm	2134mm	INSULATED METAL DOOR / PRESSED STEEL FRAME	H-6
D11.1	EXT.	11	D3	915mm	2134mm	INSULATED METAL DOOR / PRESSED STEEL FRAME – RATED FIR 1h MECH. ROOM	H-7
D12.1	01	12	D4	915mm	2134mm	INSULATED METAL DOOR / PRESSED STEEL FRAME	H-8
D13.1	01	13	D2	915mm	2134mm	INSULATED METAL DOOR / PRESSED STEEL FRAME	H-13
D14.1	EXT.	14	D1	915mm	2134mm	ALUMINUM CURTAIN WALL ENTRANCE DOOR	H-2
D14.2	EXT.	14	D5	915mm	2438mm	ALUMINUM OPERABLE DOORS	H-9

NOTE: SEE FLOOR PLAN FOR DOOR SWING. REFER TO SPECIFICATION FOR HARDWARE SCHEDULE FOR EACH ROOM/DOOR REQUIREMENTS.

1

100

DOOR AND WINDOW SCHEDULES

SCALE : 1:50

0m

1m

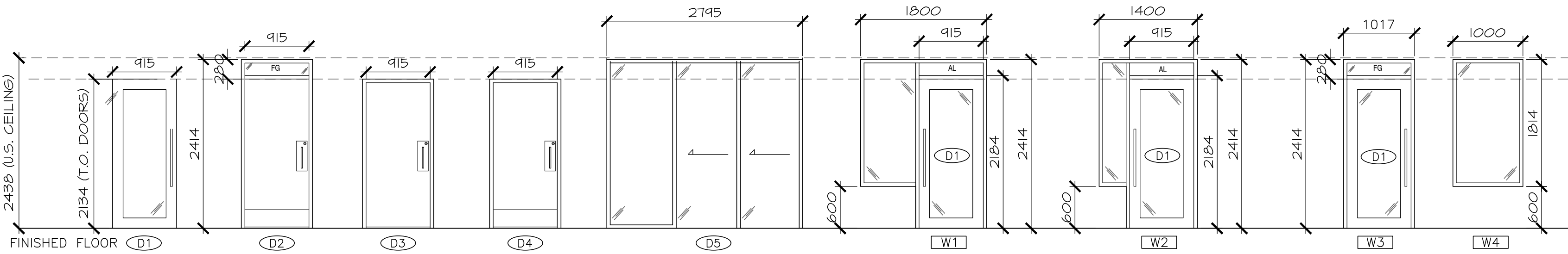
2m

3m

4m

5m

NOTE: COORDINATE TOP OF FRAMING WITH UNDERSIDE OF DROP CEILING. ADJUST TOP OF FRAME HEIGHT ACCORDINGLY. COORDINATE WITH ALL SERVICES TO VERIFY UNDERSIDE OF DROP CEILING. NOTIFY DEPARTMENTAL REPRESENTATIVE OF ANY SIGNIFICANT DISCREPANCY OR ADJUSTMENTS REQUIRED.



DOOR & WINDOW LEGEND	
SYMBOL	DESCRIPTION
FG	FROSTED PRIVACY GLASS
AL	ANODIZED ALUMINUM PANEL

CONSTRUCTION ASSEMBLIES LEGEND – REFER TO DRAWING A-104 FOR INTERIOR FINISHES		
WALL ASSEMBLIES	ROOF ASSEMBLIES	INTERIOR PARTITIONS
[WT1] WT1 EXTERIOR WALL ASSEMBLY – TYPICAL <ul style="list-style-type: none">– METAL CLADDING W/ HIDDEN FASTENERS– STRAPPING / METAL FURRING BARS– 19mm AIRSPACE– 25mm MINERAL WOOL INSULATION– WEATHER RESISTIVE VAPOR PERMEABLE AIR BARRIER– EXTERIOR GRADE SHEATHING– 38mm x 140mm WOOD STUDS– MINERAL WOOL INSULATION– VAPOUR BARRIER– 5/8" GYPSUM WALL BOARD, PAINTED *** NOTE: NO INTERIOR GWB WHERE WT1 ABUTS P2 INTERIOR PLUMBING PARTITION	[R1] ROOF ASSEMBLY – TYPICAL <ul style="list-style-type: none">– METAL ROOF W/ HIDDEN FASTENER– VENTILATION/DRAINAGE MAT– UNDERLAYMENT LAYER– 16MM ROOF SHEATHING– R-52 BATT INSULATION– ENGINEERED ROOF TRUSSES– CEILING STRAPPING– VAPOR BARRIER– 16MM TYPE-X GYPSUM CEILING BOARD *** NOTE: ALL GYPSUM WALL BOARD AT WASHROOM AND SHOWER LOCATIONS TO BE WATERPROOF	SEE DRAWING A-102 FOR INTERIOR FINISHES [P1A] INTERIOR PARTITION – TYPICAL <ul style="list-style-type: none">– 16mm GYPSUM WALL BOARD– 38mm x 140mm WOOD STUDS @ 400mm O.C.– MINERAL WOOL INSULATION; FULL CAVITY– 16mm GYPSUM WALL BOARD *** ALL WALLS TO BE P1A UNLESS OTHERWISE NOTED. ALL GYPSUM WALL BOARD IN WASHROOMS TO BE WATERPROOF. WALL TILES OVER GYPSUM WALL BOARD– REFER TO FINISH PLAN A-102 FOR LOCATIONS.
[WT2] WT2 EXTERIOR WALL ASSEMBLY – TYPICAL <ul style="list-style-type: none">– 19mm WESTERN RED CEDAR WOOD SIDING– HORIZONTAL ORIENTATION– STAIN AND UV CLEAR– 19mm VERTICAL STRAPPING / AIRSPACE– 25mm RIGID INSULATION– WEATHER RESISTIVE VAPOR PERMEABLE AIR BARRIER– EXTERIOR GRADE SHEATHING– 38mm x 140mm WOOD STUDS– MINERAL WOOL INSULATION– VAPOUR BARRIER– 16mm ABUSE RESISTANT GYPSUM BOARD	[S1] ROOF ASSEMBLY – TYPICAL <ul style="list-style-type: none">– U.S. OF WOOD TRUSS– 12.5mm FIRE RATED PLYWOOD– WEATHER RESISTIVE VAPOR PERMEABLE AIR BARRIER– 19mm STRAPPING / AIR SPACE– WESTERN RED CEDAR SOFFIT	[P1B] INTERIOR PARTITION – CORRIDOR / SHOWERS <ul style="list-style-type: none">– 16mm GYPSUM WALL BOARD– 38mm x 140mm WOOD STUDS @ 400mm O.C.– MINERAL WOOL INSULATION– VAPOUR BARRIER– 16mm SCHLUTER WATERPROOF KERDI-BOARD
	[FT1] FT1 FLOOR ASSEMBLY – TYPICAL <ul style="list-style-type: none">– FINISHED CONCRETE SLAB– UNDER SLAB VAPOR BARRIER– UNDER-SLAB RIGID INSULATION– DRAINAGE GRAVEL	[P1C] INTERIOR PARTITION – SHOWERS <ul style="list-style-type: none">– 16mm SCHLUTER WATERPROOF KERDI-BOARD– 38mm x 140mm WOOD STUDS @ 400mm O.C.– MINERAL WOOL INSULATION– VAPOUR BARRIER– 16mm SCHLUTER WATERPROOF KERDI-BOARD
	[FT2] FLOOR ASSEMBLY – WASHROOMS <ul style="list-style-type: none">– SLOPED CONCRETE SLAB– UNDER SLAB VAPOR BARRIER– UNDER-SLAB RIGID INSULATION– DRAINAGE GRAVEL	[P1D] INTERIOR PARTITION 1h F.R.R. – MECH. ROOM / W/C <ul style="list-style-type: none">– 16mm TYPE X GYPSUM WALL BOARD– 38mm x 140mm WOOD STUDS @ 400mm O.C.– MINERAL WOOL INSULATION– 16mm GYPSUM WALL BOARD
	[FT3] FLOOR ASSEMBLY – SHOWERS <ul style="list-style-type: none">– WATERPROOF UNDER-LAYMENT– SLOPED CONCRETE SLAB– UNDER SLAB VAPOR BARRIER– UNDER-SLAB RIGID INSULATION– DRAINAGE GRAVEL	[P2A] INTERIOR PARTITION – PLUMBING WALL <ul style="list-style-type: none">– 38mm x 90mm WOOD STUDS @ 400mm O.C.– MINERAL WOOL INSULATION– 16mm GYPSUM WALL BOARD
		[P2B] INTERIOR PARTITION – PLUMBING WALL <ul style="list-style-type: none">– 38mm x 90mm WOOD STUDS @ 400mm O.C.– MINERAL WOOL INSULATION– 16mm SCHLUTER WATERPROOF KERDI-BOARD

2

100

WALL AND PARTITION SCHEDULE

SCALE : 1:50

0m

1m

2m

3m

4m

5m

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PARKS CANADA
CAPE BRETON HIGHLANDS
NATIONAL PARK,
INGONISH BEACH
WASHROOM AND KIOSK

drawing dessin

NOTES & SCHEDULES

designed C.C. J.B. H.H. conçu

date

drawn J.B. A.P. K.H. dessiné

date 2021

approved approuvé

date

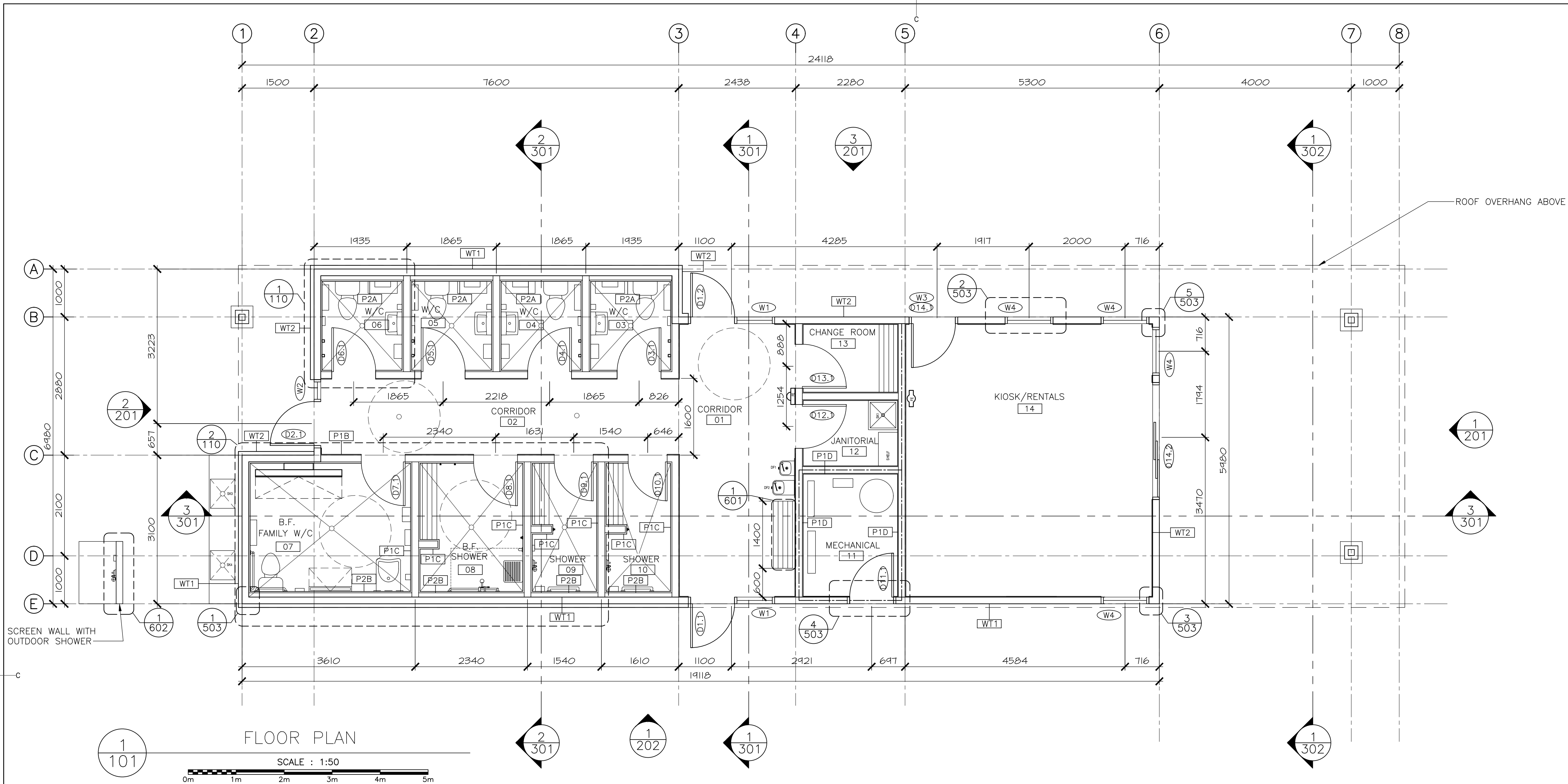
Tender DUGGAN KENNEDY Soumission

Project Manager Administrateur de projets

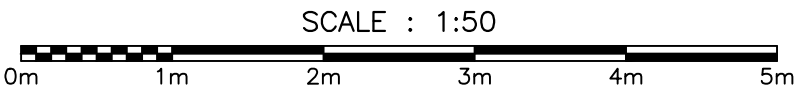
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A-100



FLOOR PLAN



FLOOR PLAN LEGEND	
SYMBOL	DESCRIPTION
---	1HR FIRE RESISTANT RATED WALL
DF1	DRINKING FOUNTAIN - TYPICAL WALL MOUNTED
DF2	DRINKING FOUNTAIN - BARRIER FREE WALL MOUNTED
SK1	MOP SINK
FE	FIRE EXTINGUISHER



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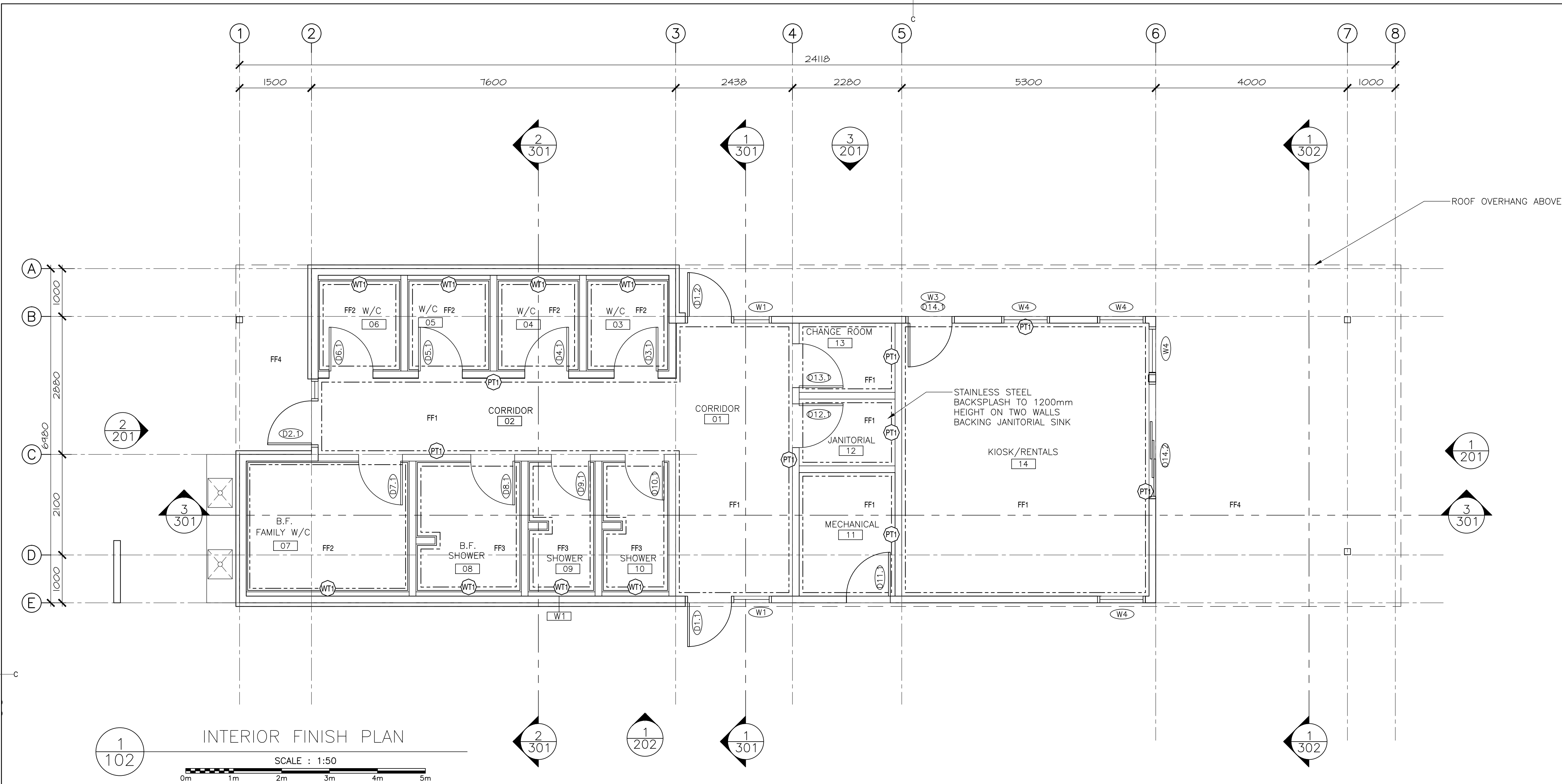
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FLOOR PLAN

designed	C.C. J.B. H.H.	conçu
date		
drawn	J.B. A.P. K.H.	dessiné
date	2021	
approved		approuvé
date		
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Project Manager		Administrateur de projets
project number		no. du projet

drawing no. no. du dessin

A-101



INTERIOR FINISH NOTES		INTERIOR FINISH LEGEND	
<div>1. PT1 FOR ALL WALLS, CEILINGS, TRIMS, U.N.O.</div> <div>2. PT2 FOR ALL INTERIOR DOORS AND DOOR FRAMES U.N.O.</div> <div>3. FOR ALL WASHROOMS (ROOMS 02, 03, 04, 05, 08)<div>3.1. FLOORS TO BE FF2 FINISH, U.N.O.</div><div>3.2. ALL WALLS TO BE FINISHED FULL HEIGHT WT1 WALL TILE, U.N.O.</div><div>3.3. ALL TILE TRANSITIONS, INTERIOR AND EXTERIOR CORNERS AND TERMINATION AT DOOR FRAMES (TOP AND TWO SIDES) TO HAVE ANODIZED ALUMINUM TRANSITION STRIPS (SCHLUTER OR EQUIVALENT)</div></div> <div>4. FOR ALL SHOWERS (ROOMS 10, 11, 12)<div>4.1. FLOORS TO BE FF3 FINISH, U.N.O.</div><div>4.2. ALL WALLS TO BE FINISHED FULL HEIGHT WT1 WALL TILE, U.N.O.</div><div>4.3. ALL TILE TRANSITIONS, INTERIOR AND EXTERIOR CORNERS, CEILINGS AND TERMINATION AT DOOR FRAMES (TOP AND TWO SIDES) TO HAVE ANODIZED ALUMINUM TRANSITION STRIPS (SCHLUTER OR EQUIVALENT).</div><div>4.4. ALL WALLS TO BE WATERPROOF.</div></div> <div>5. PROVIDE BARRIER FREE TRANSITION STRIPS AT ALL FLOOR TRANSITIONS</div>		FLOOR FINISHES	
		SYMBOL	DESCRIPTION
		FF1	FLOOR: FINISHED CONCRETE FLOOR SLAB WITH HARDENER AND SEALANT BASE: 5" RUBBER BASE
		FF2	FLOOR: THROUGH-BODY PORCELAIN FLOOR TILE, SLIP RESISTANT DIMENSION: 300X300 OR 300X600 BASE: SCHLUTER OR SIMILAR ANODIZED ALUMINUM COVE FOR FLOOR TO WALL TRANSITION, WATERPROOF.
		FF3	FLOOR: THROUGH-BODY PORCELAIN FLOOR TILE, SLIP RESISTANT DIMENSION: 50X0 BASE: SCHLUTER OR SIMILAR ANODIZED ALUMINUM COVE FOR FLOOR TO WALL TRANSITION, WATERPROOF.
		FF4	FLOOR: BRUSHED SIDEWALK FINISH
		WALL FINISHES	
		SYMBOL	DESCRIPTION
		PT1	FIELD PAINT – WALLS & CEILINGS MANUFACTURER: BENJAMIN MOORE COLOR: PM-1 SUPER WHITE FINISH: SATIN – ALL WALL AND CEILING SURFACES SEMI-GLOSS – ALL DECORATIVE TRIM, WINDOW FRAMES & CASING, AND DOORS & DOOR FRAMES TO BE PAINTED.
		PT2	ACCENT PAINT – INT. DOORS & FRAMES MANUFACTURER: BENJAMIN MOORE COLOR: LIGHT GREY FINISH: SEMI-GLOSS – ALL INTERIOR DOORS & DOOR FRAMES
		WT1	LARGE FORMAT THROUGH-BODY PORCELAIN WALL TILE MANUFACTURER: OLYMPIA TILE COLLECTION: UNICOLOR COLOR: SUPER WHITE FINISH: POLISHED DIMENSION: 300mm X 600mm INSTALLATION: STACK BOND, VERTICAL ORIENTATION. FLOOR TO CEILING GROUT: BONE (Flextile), 3mm NOTE: ALIGN WALL AND FLOOR GROUT LINES



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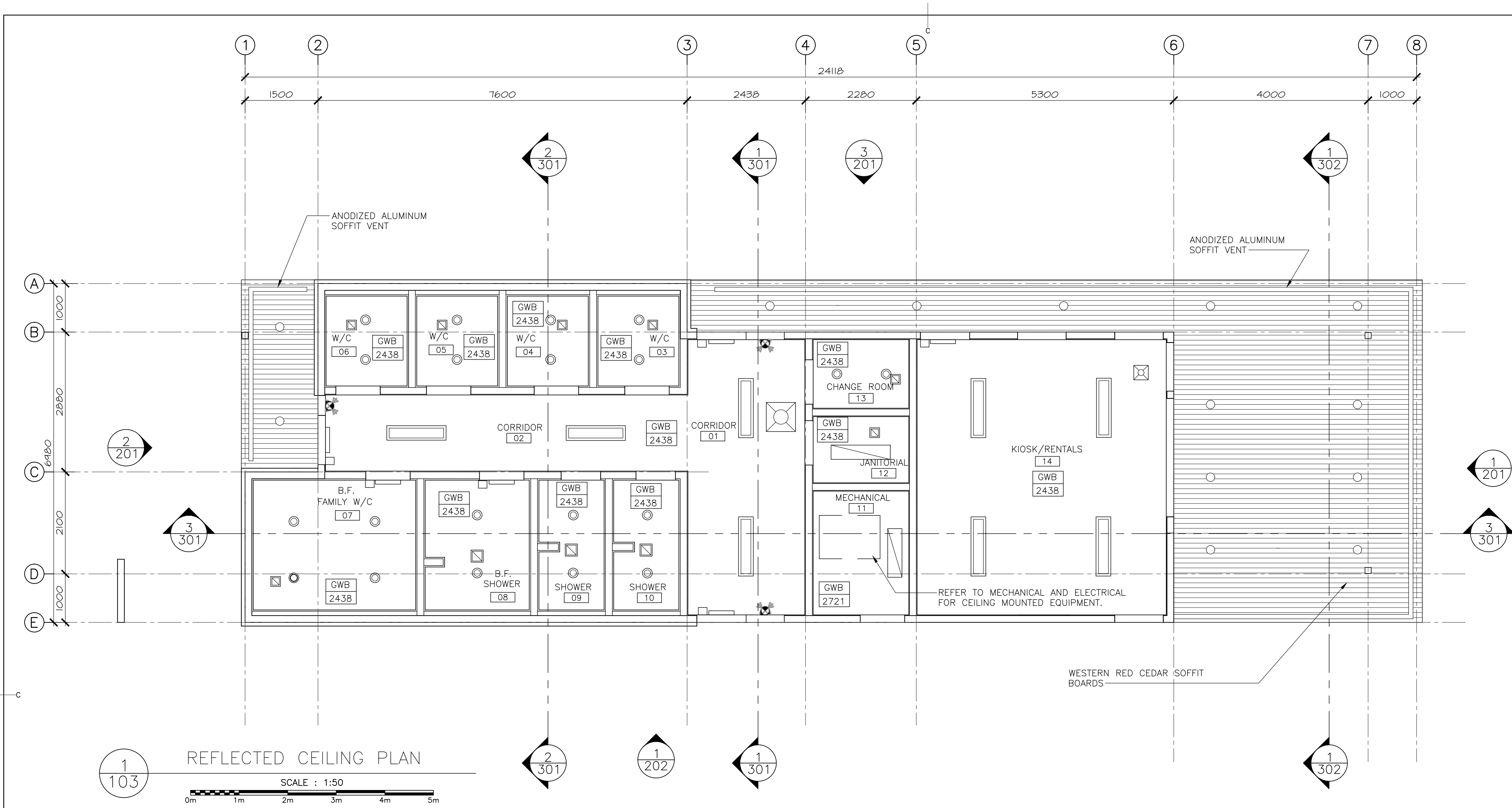
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NATIONAL PARK,
INGONISH BEACH
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INTERIOR FINISH PLAN

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drawn J.B. A.P. K.H.	dessiné
date 2021	
approved	approuvé
date	
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Project Manager	Administrateur de projets
project number	no. du projet

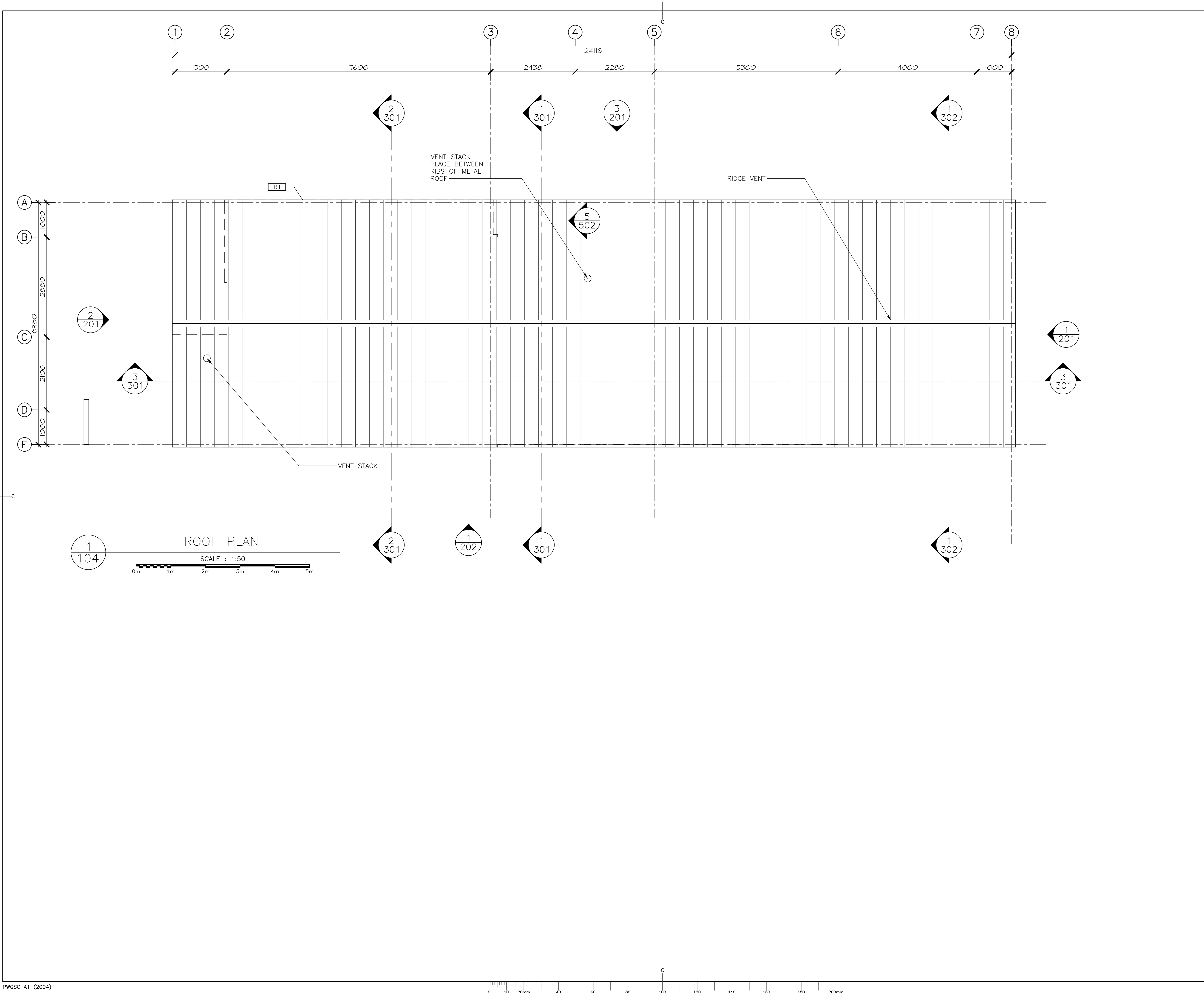
drawing no. A-102 no. du dessin




LIGHTING LEGEND (REFER TO MECHANICAL AND ELECTRICAL DRAWINGS)	
	LED STRIPLIGHT – RECESSED
	LED RECESSED LIGHT – EXTERIOR LIGHT
	LED CEILING MOUNTED LIGHT
	LED CEILING MOUNTED LIGHT
	COMBINATION EXIT/EMERGENCY LIGHT
	BARRIER FREE AUTOMATIC DOOR OPERATOR
	DUCTED EXHAUST/ RETURN GRILL, SEE MECHANICAL
	SUPPLY AIR DIFFUSER, REFER TO MECHANICAL



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drawing		dessin
REFLECTED CEILING PLAN		
designed	C.C. J.B. H.H.	conçu
date		
drawn	J.B. A.P. K.H.	dessiné
date	2021	
approved		approuvé
date		
Tender	DUGGAN KENNEDY	Soumission
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A-103		
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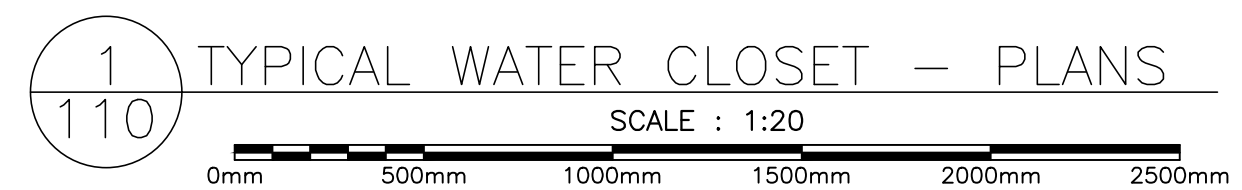
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drawing	dessin	
ROOF PLAN		
designed	C.C. J.B. H.H.	conçu
date		
drawn	J.B. A.P. K.H.	dessiné
date	2021	
approved		approuvé
date		
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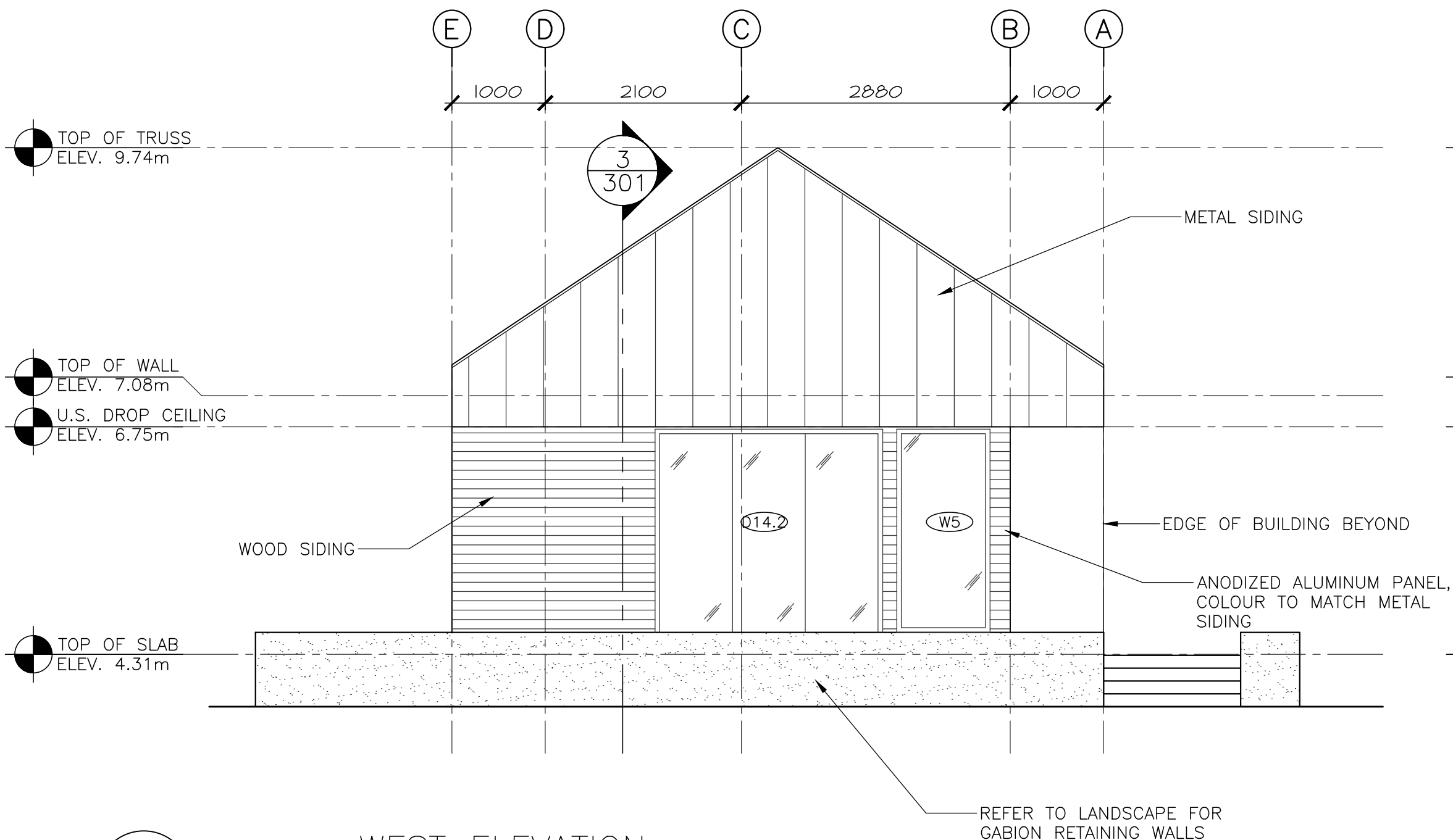
BUILDING ELEVATIONS

designed	C.C. J.B. H.H.	conçu
date		
drawn	J.B. A.P. K.H	dessiné
date	2021	
approved		approuvé
date		
Tender	DUGGAN KENNEDY	Soumission
Project Manager		Administrateur de projets
project number		no. du projet

drawing no. no. du dessin

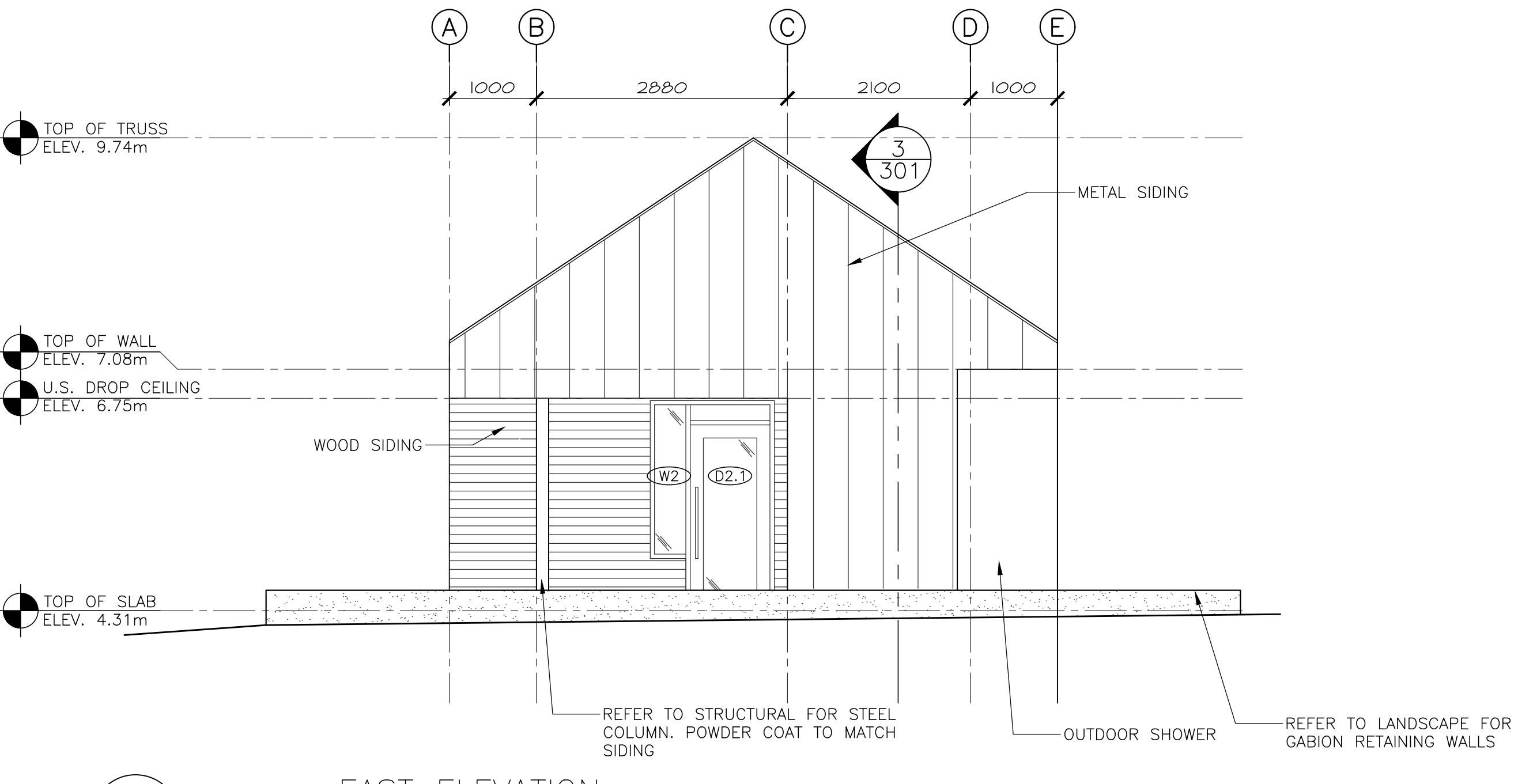
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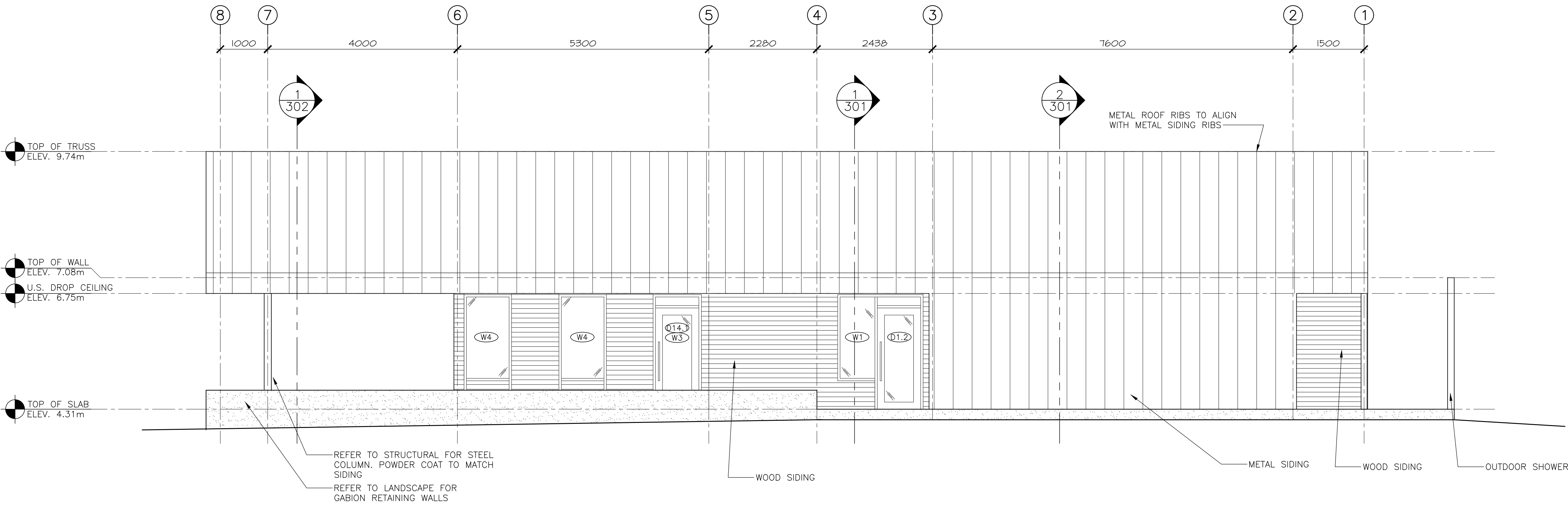
WEST ELEVATION

1
201



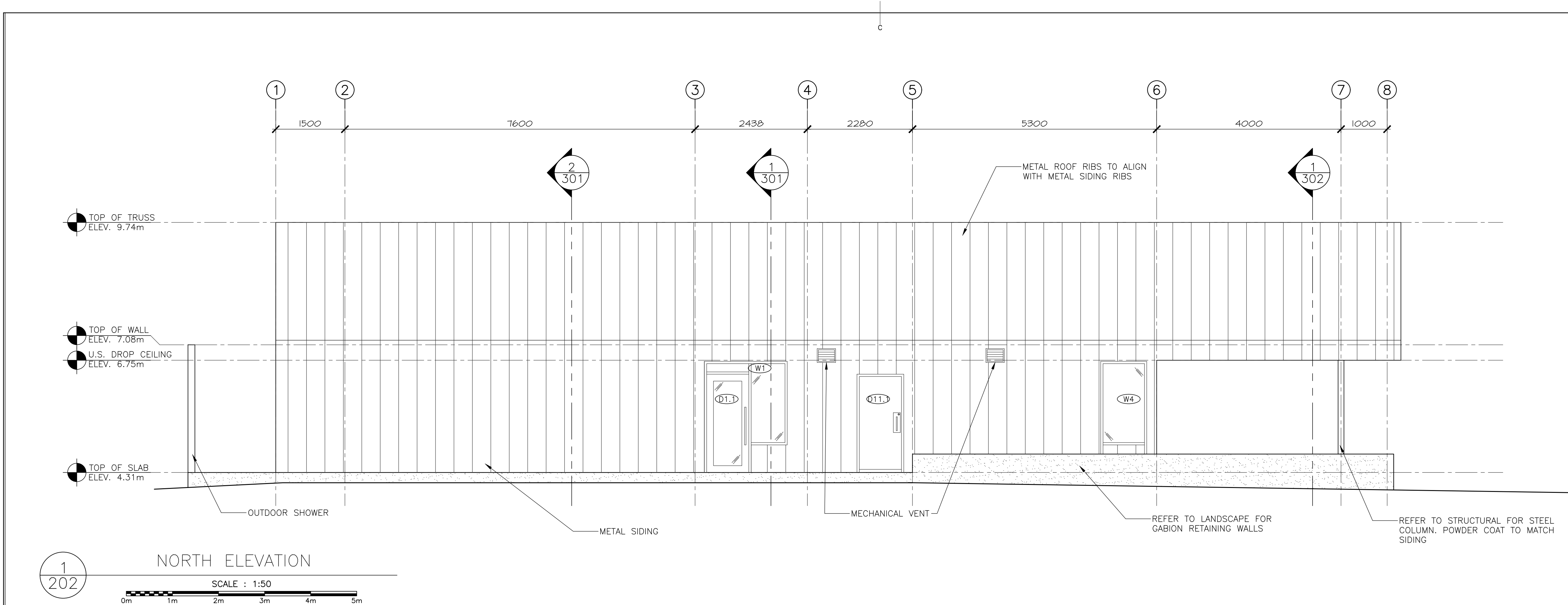
EAST ELEVATION

2
201



SOUTH ELEVATION

3
201



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PARKS CANADA
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NATIONAL PARK,
INGONISH BEACH
WASHROOM AND KIOSK

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BUILDING ELEVATIONS

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date		
drawn	J.B. A.P.K.H.	dessiné
date	2021	
approved		approuvé
date		
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PARKS CANADA
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NATIONAL PARK,
INGONISH BEACH
WASHROOM AND KIOSK

drawing dessin

INTERIOR ELEVATIONS

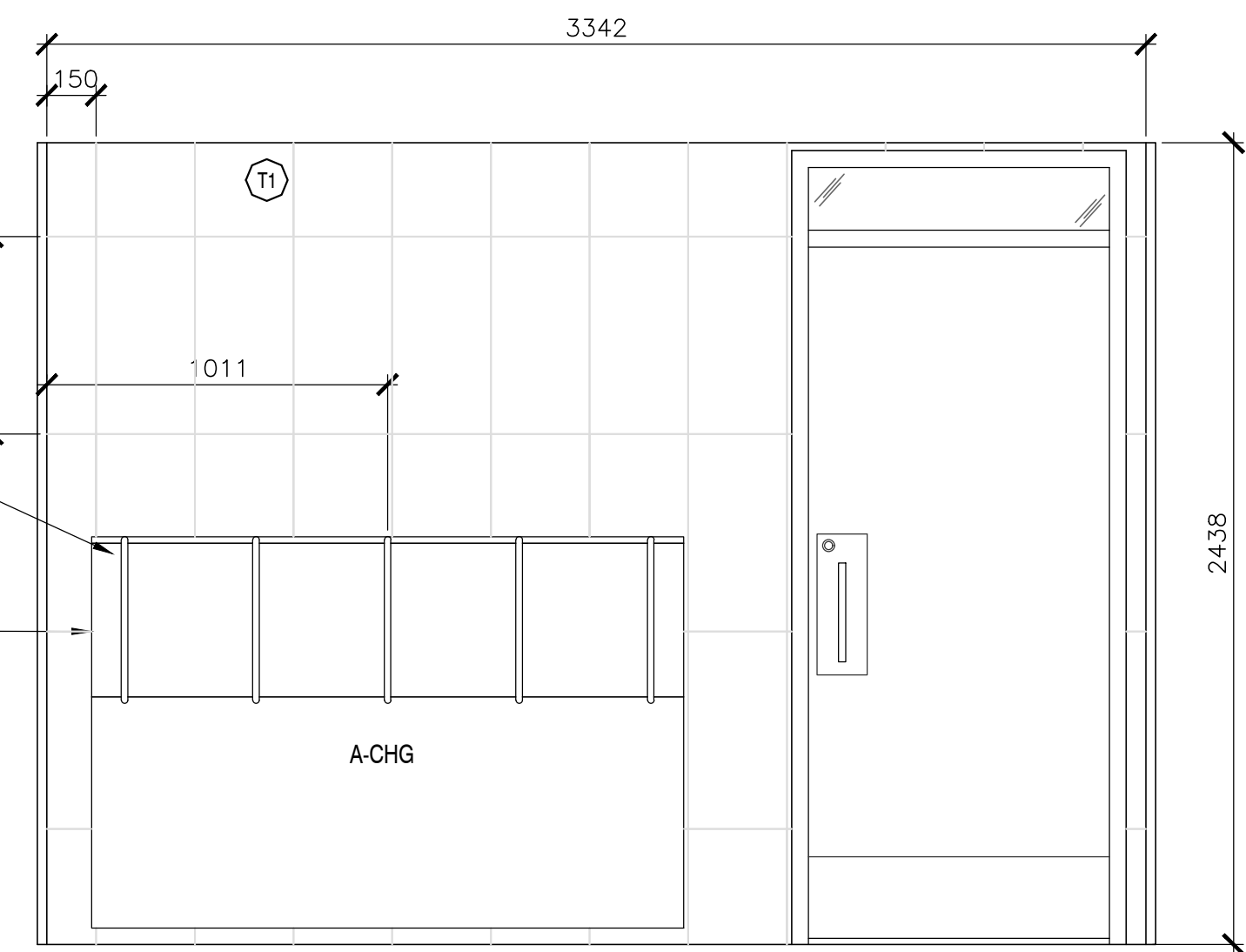
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date		
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date	2021	
approved		approuvé
date		
Tender	DUGGAN KENNEDY	Soumission
Project Manager	Administrateur de projets	
project number		no. du projet

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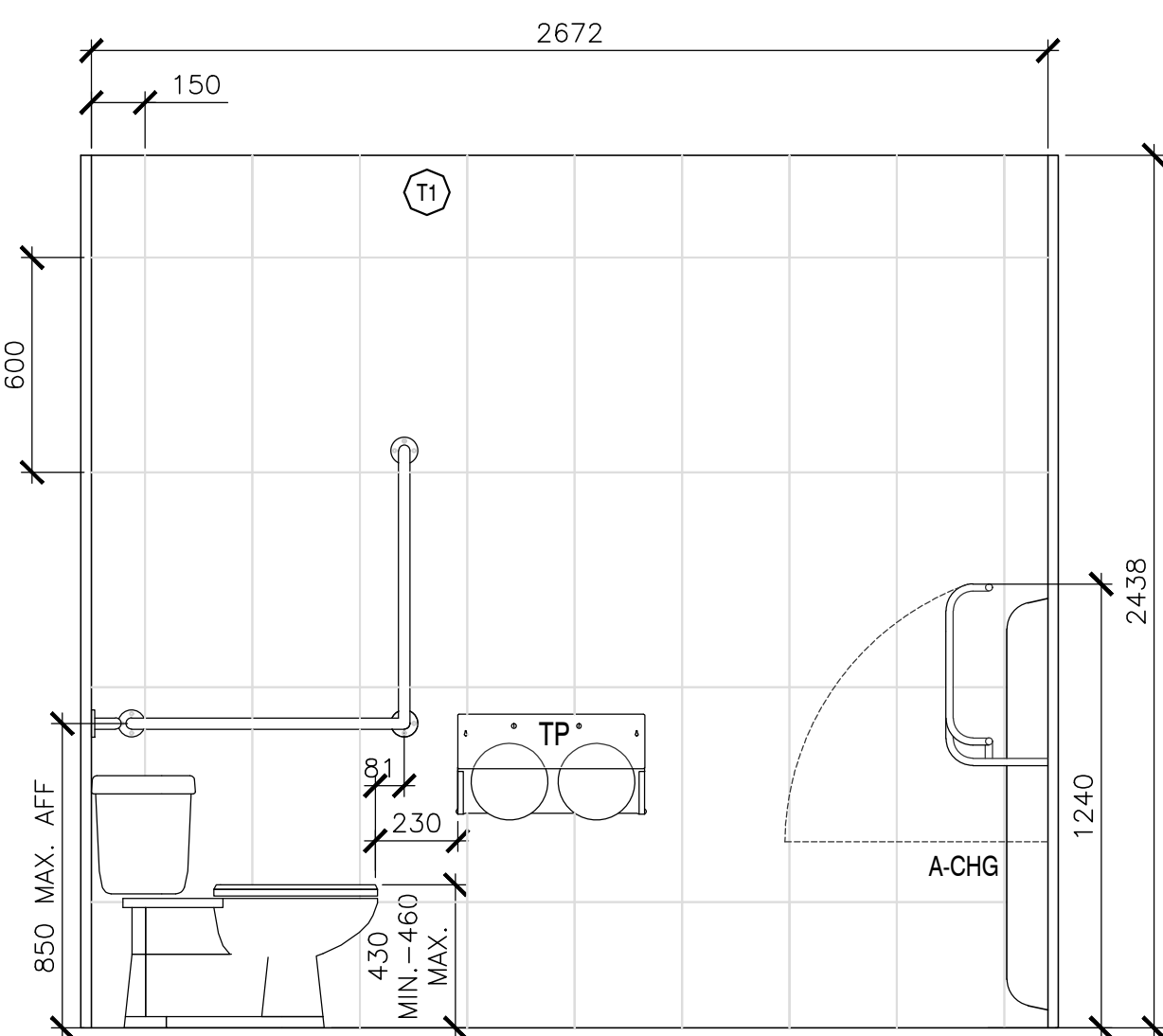
A-210

CONTRACTOR TO PROVIDE
ADEQUATE BLOCKING FOR
ADULT CHANGING STATION.

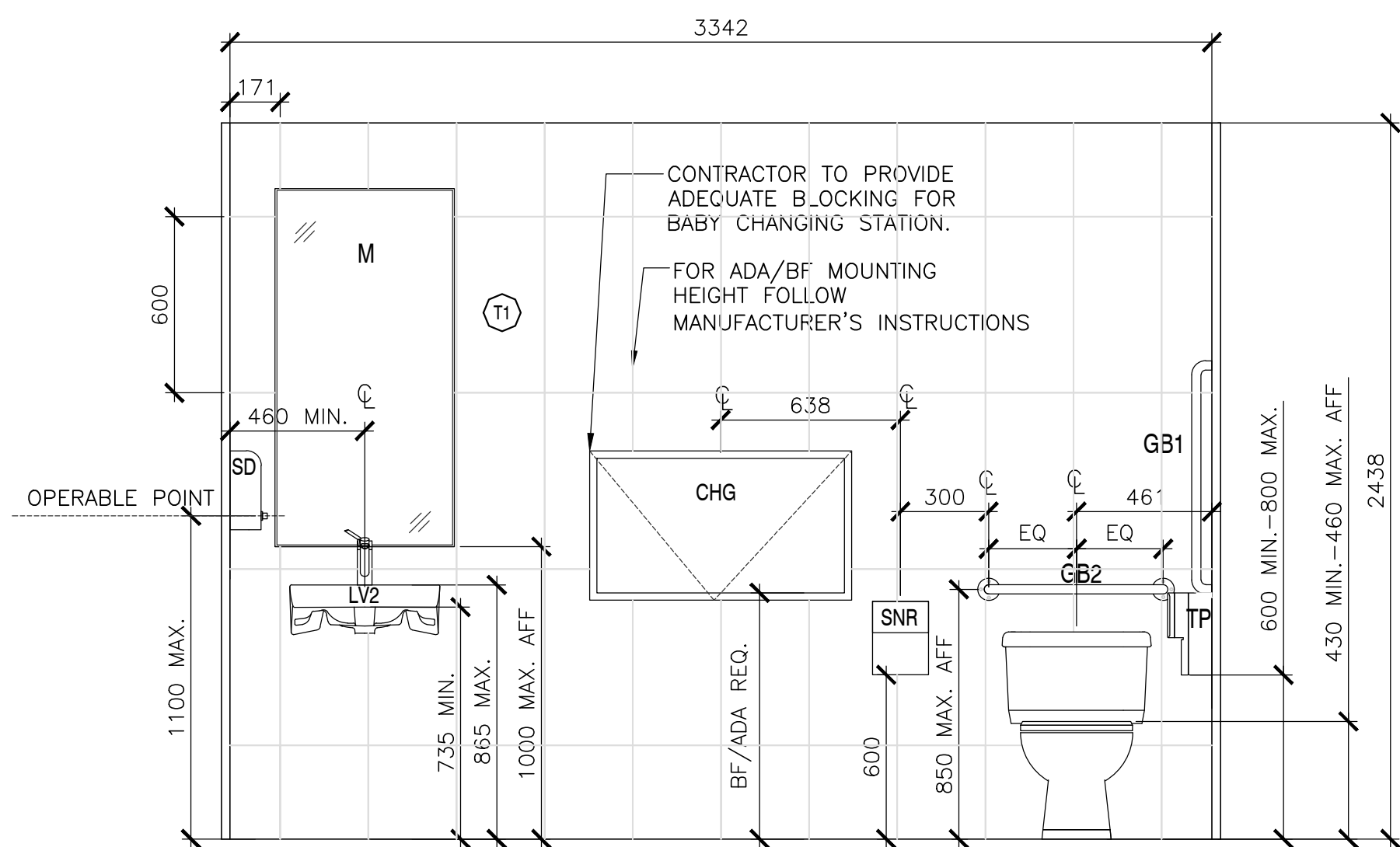
FOR ADA/BF MOUNTING
HEIGHT FOLLOW
MANUFACTURER'S INSTRUCTIONS



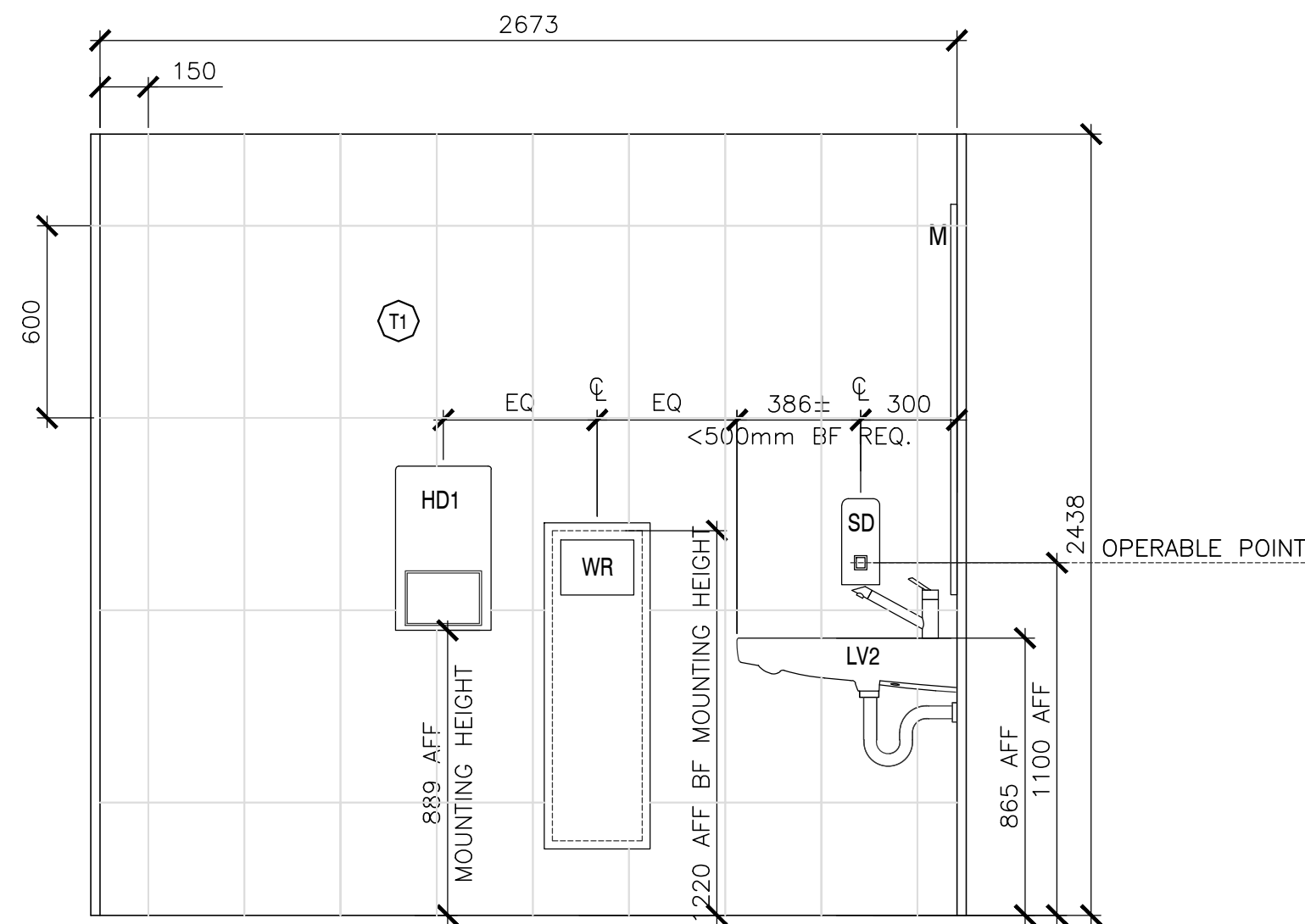
1 BF WR — INTERIOR ELEVATION 1
SCALE : 1:20
0mm 500mm 1000mm 1500mm 2000mm 2500mm



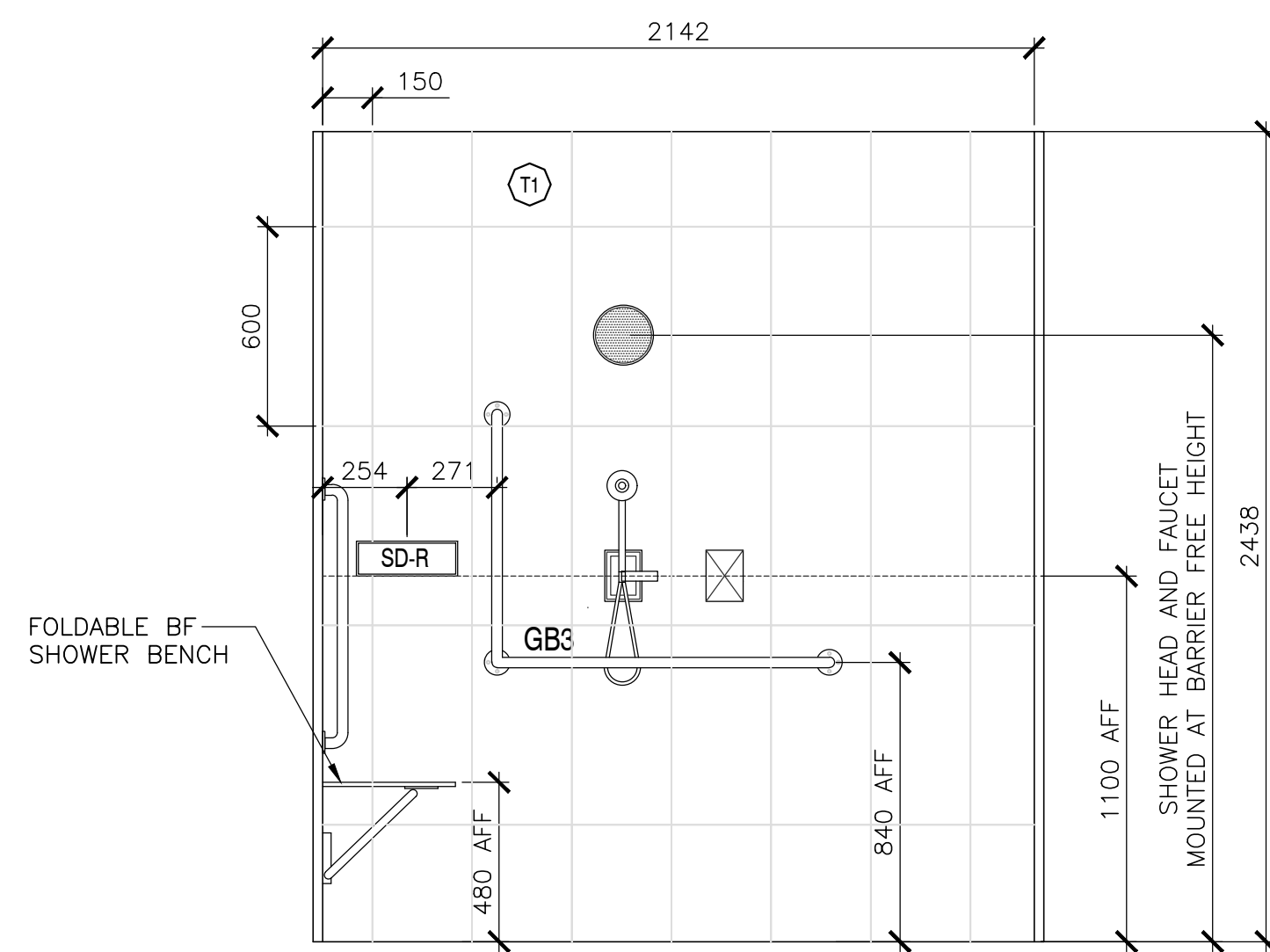
3 BF WR — INTERIOR ELEVATION 3
SCALE : 1:20
0mm 500mm 1000mm 1500mm 2000mm 2500mm



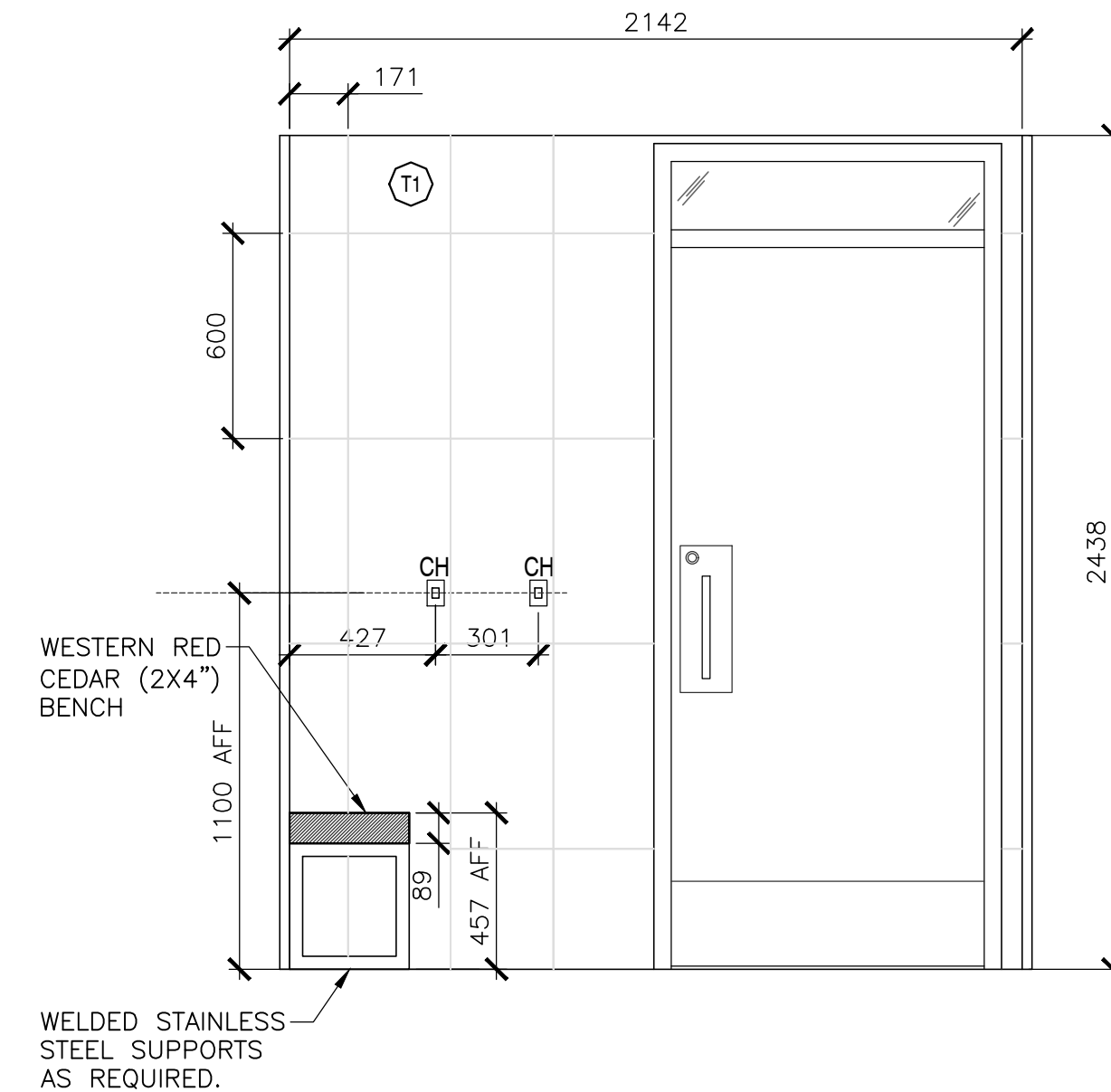
2 BF WR — INTERIOR ELEVATION 2
SCALE : 1:20
0mm 500mm 1000mm 1500mm 2000mm 2500mm



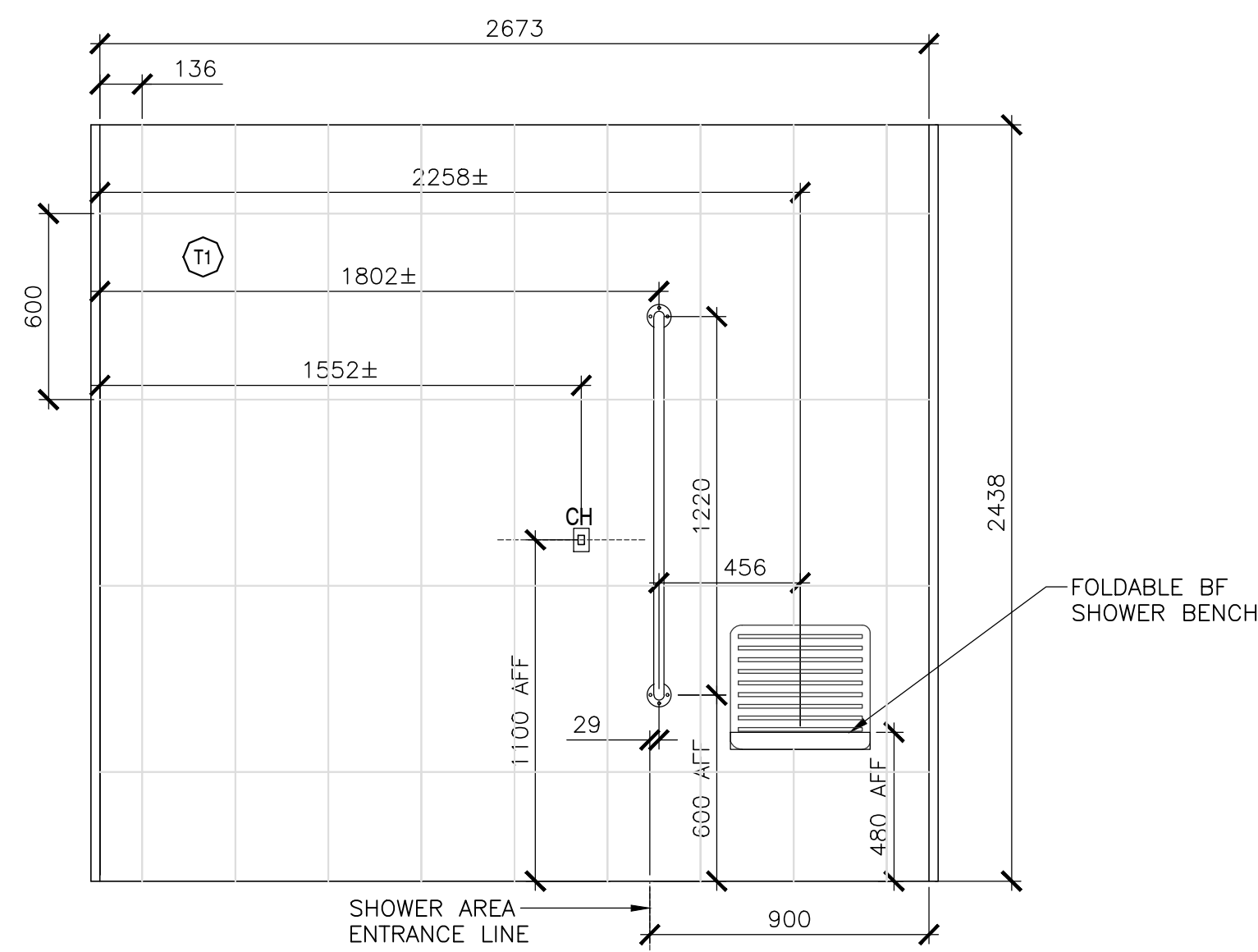
4 BF WR — INTERIOR ELEVATION 4
SCALE : 1:20
0mm 500mm 1000mm 1500mm 2000mm 2500mm



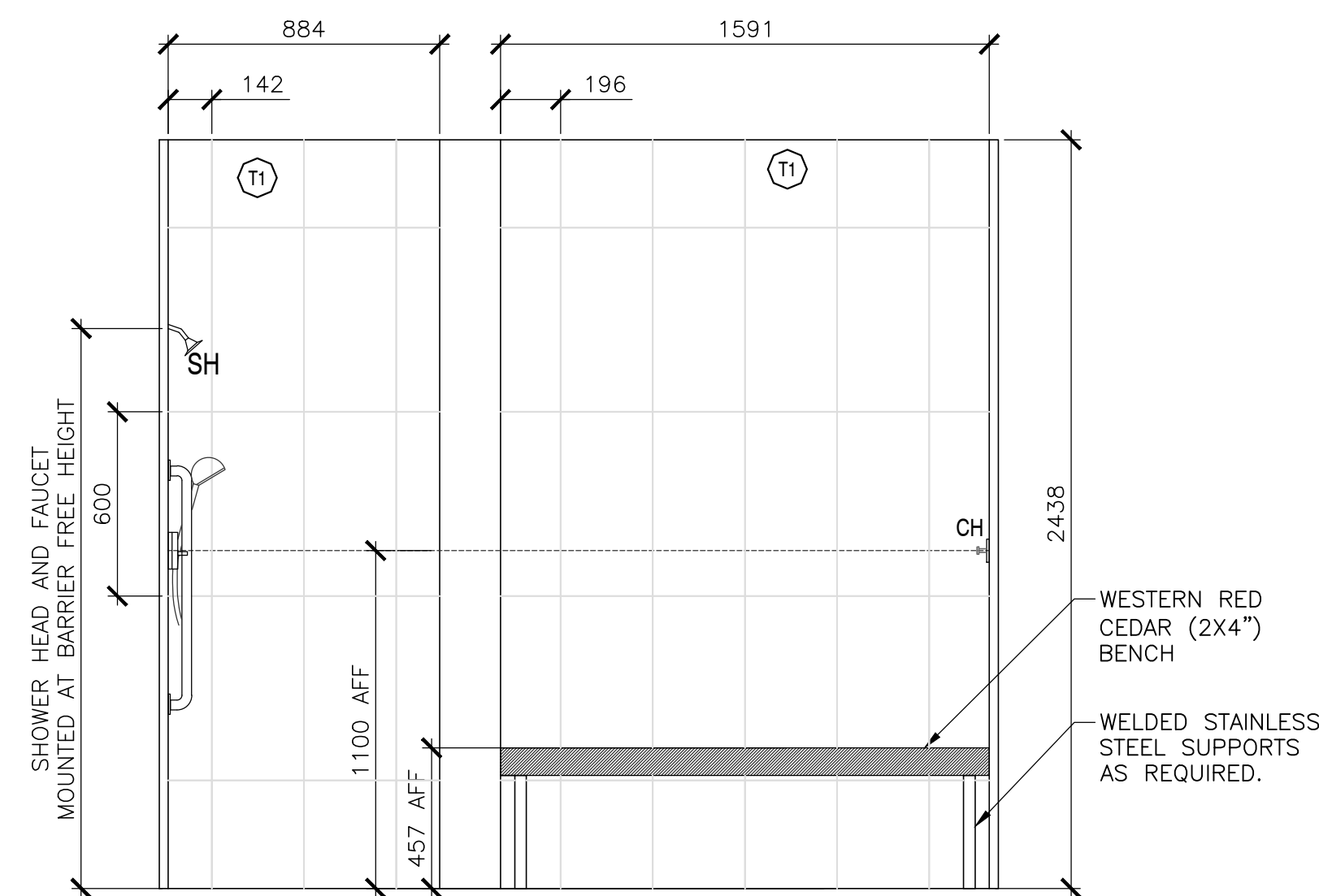
1
211 FAMILY WR-INTERIOR ELEVATION 1
SCALE : 1:20
0mm 500mm 1000mm 1500mm 2000mm 2500mm



3
211 FAMILY WR-INTERIOR ELEVATION 3
SCALE : 1:20
0mm 500mm 1000mm 1500mm 2000mm 2500mm



2
211 FAMILY WR-INTERIOR ELEVATION 2
SCALE : 1:20
0mm 500mm 1000mm 1500mm 2000mm 2500mm



4
211 FAMILY WR-INTERIOR ELEVATION 4
SCALE : 1:20
0mm 500mm 1000mm 1500mm 2000mm 2500mm



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PARKS CANADA
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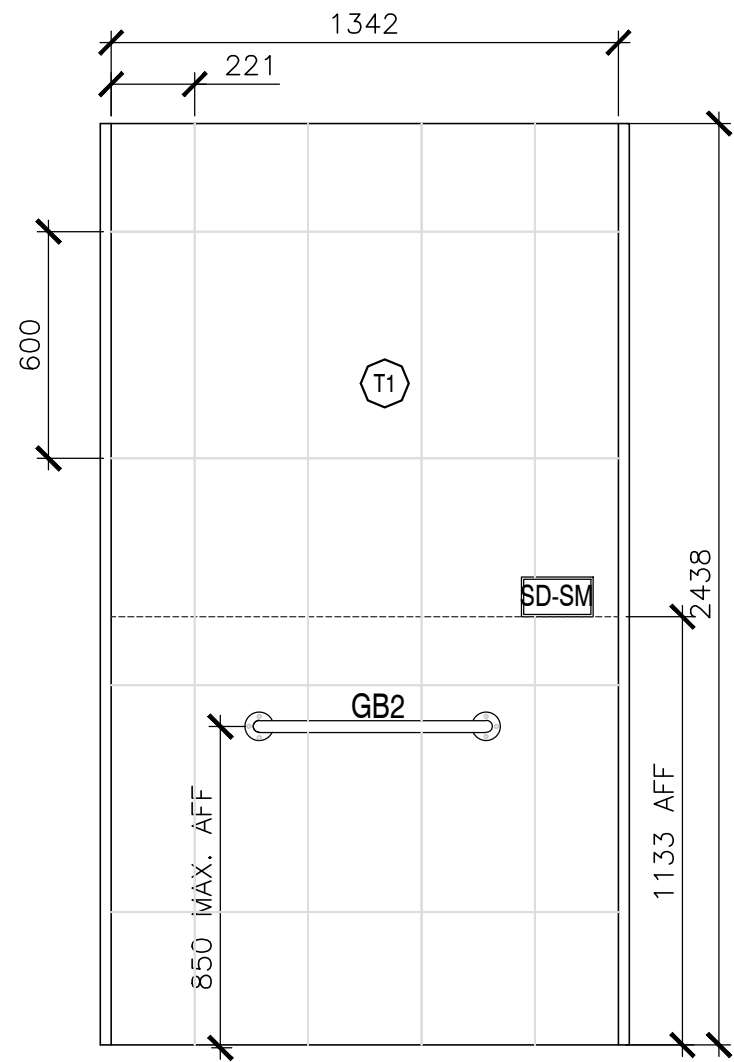
INTERIOR ELEVATIONS

designed	C.C. J.B. H.H.	conçu
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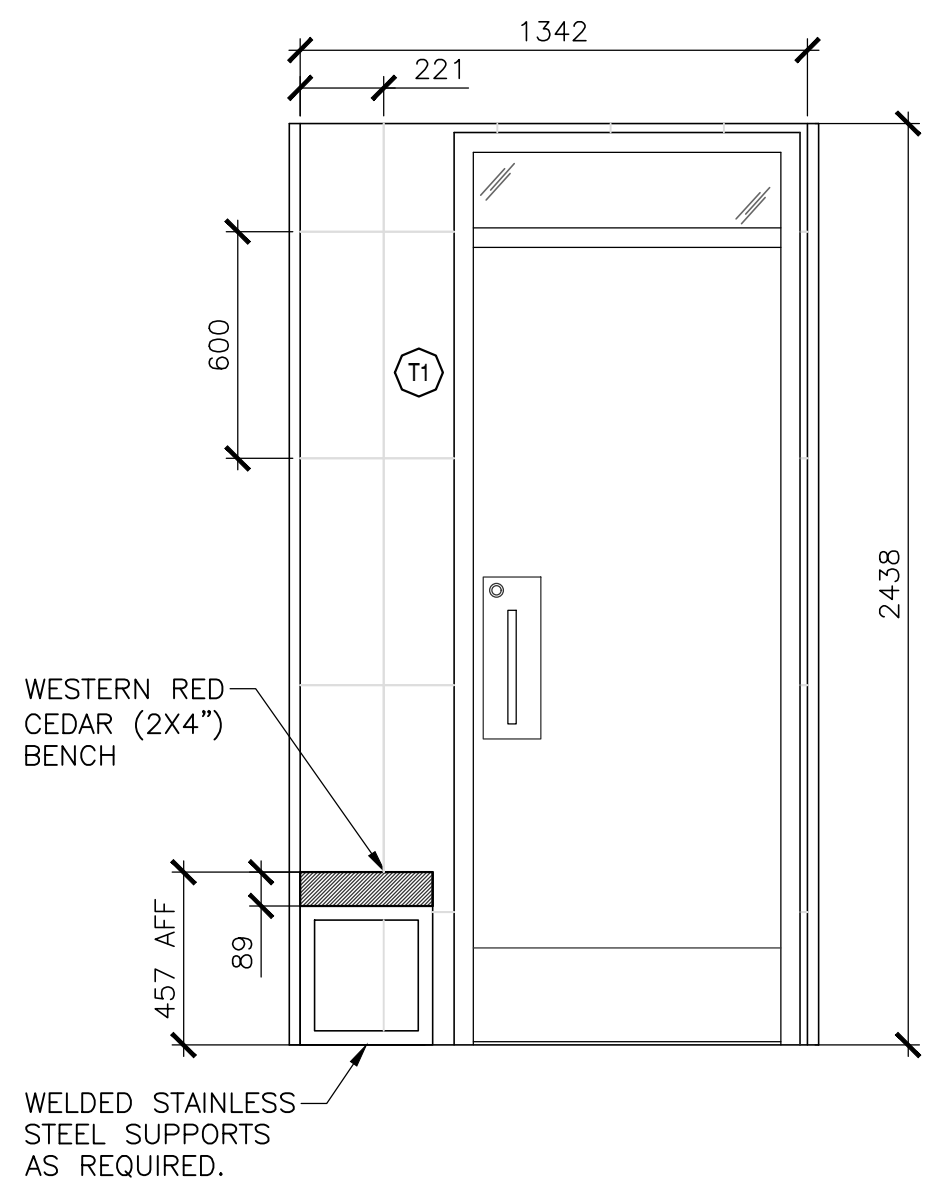
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A-211

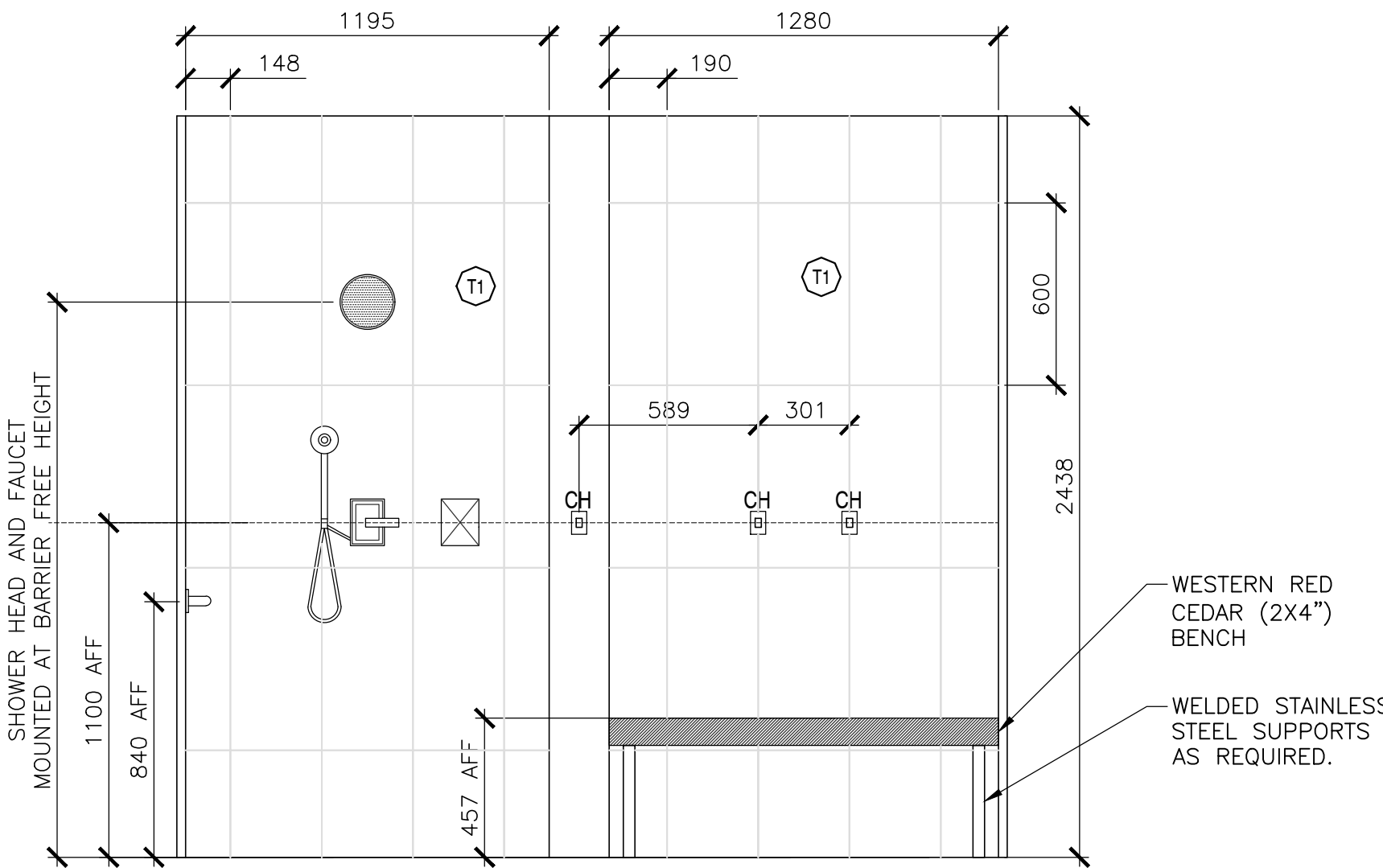
C



1
212 BF SHOWER RM-INTER.ELEVATION 1
SCALE : 1:20
0mm 500mm 1000mm 1500mm 2000mm 2500mm



3
212 BF SHOWER RM-INTER.ELEVATION 3
SCALE : 1:20
0mm 500mm 1000mm 1500mm 2000mm 2500mm



2
212 BF SHOWER RM-INTER.ELEVATION 2
SCALE : 1:20
0mm 500mm 1000mm 1500mm 2000mm 2500mm



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INTERIOR ELEVATIONS

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A-212

C

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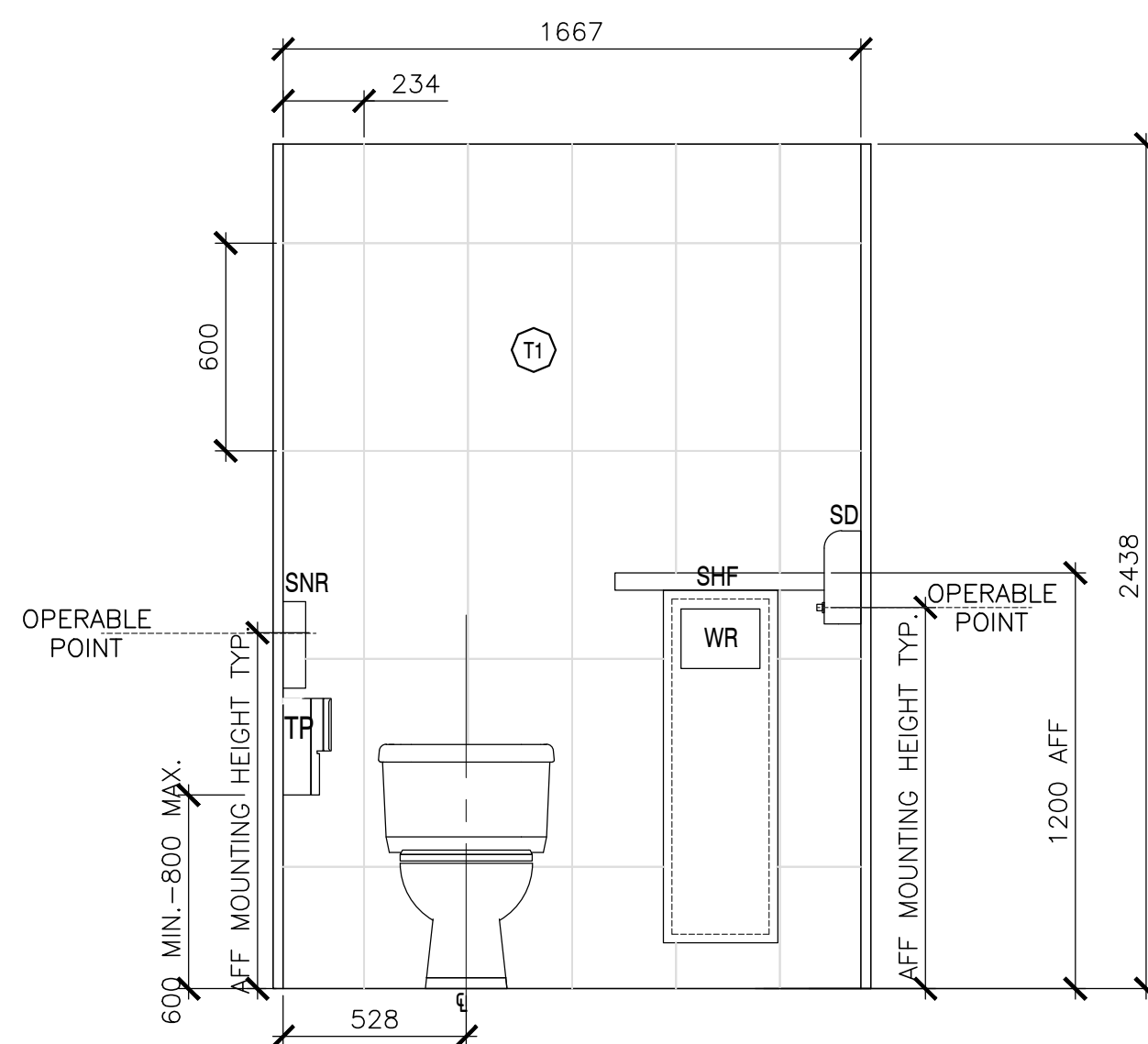
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INTERIOR ELEVATIONS

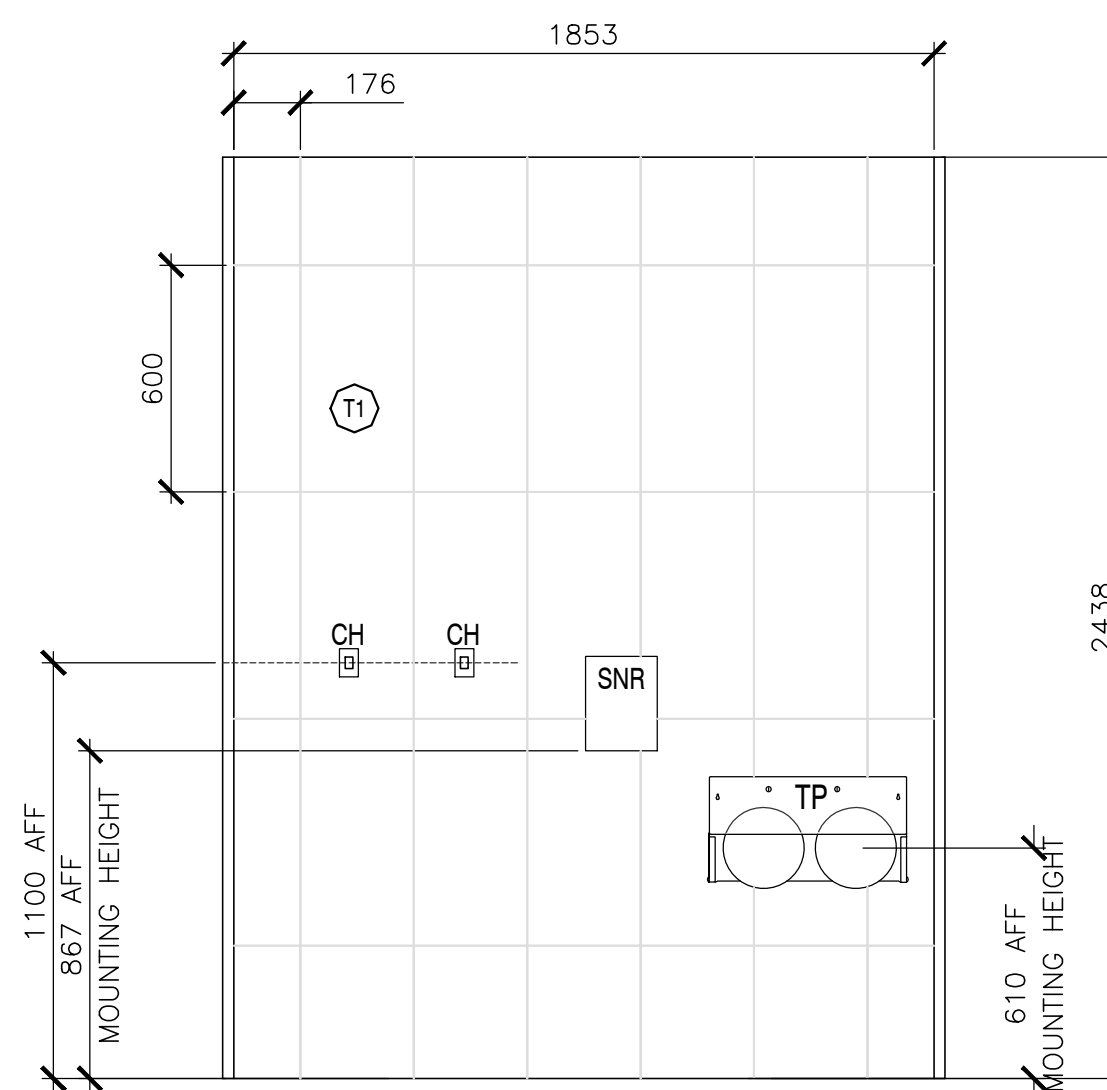
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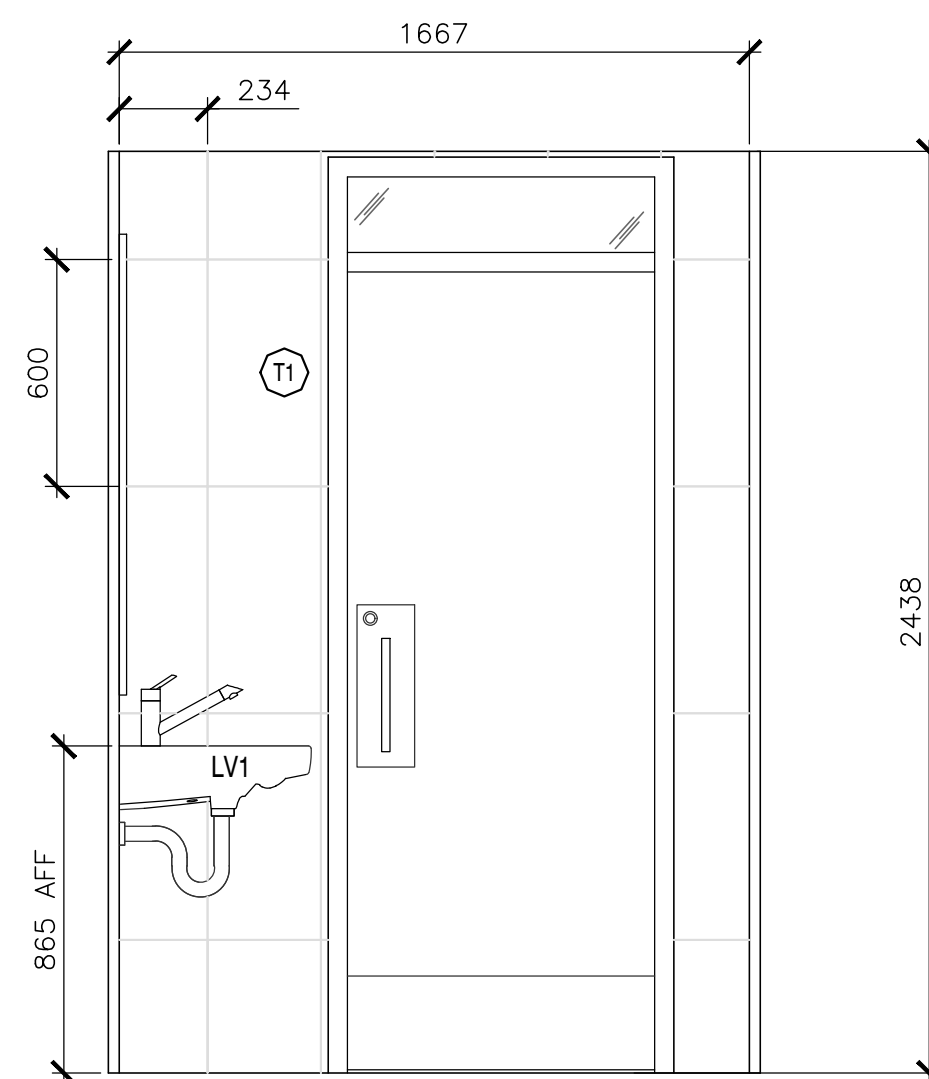
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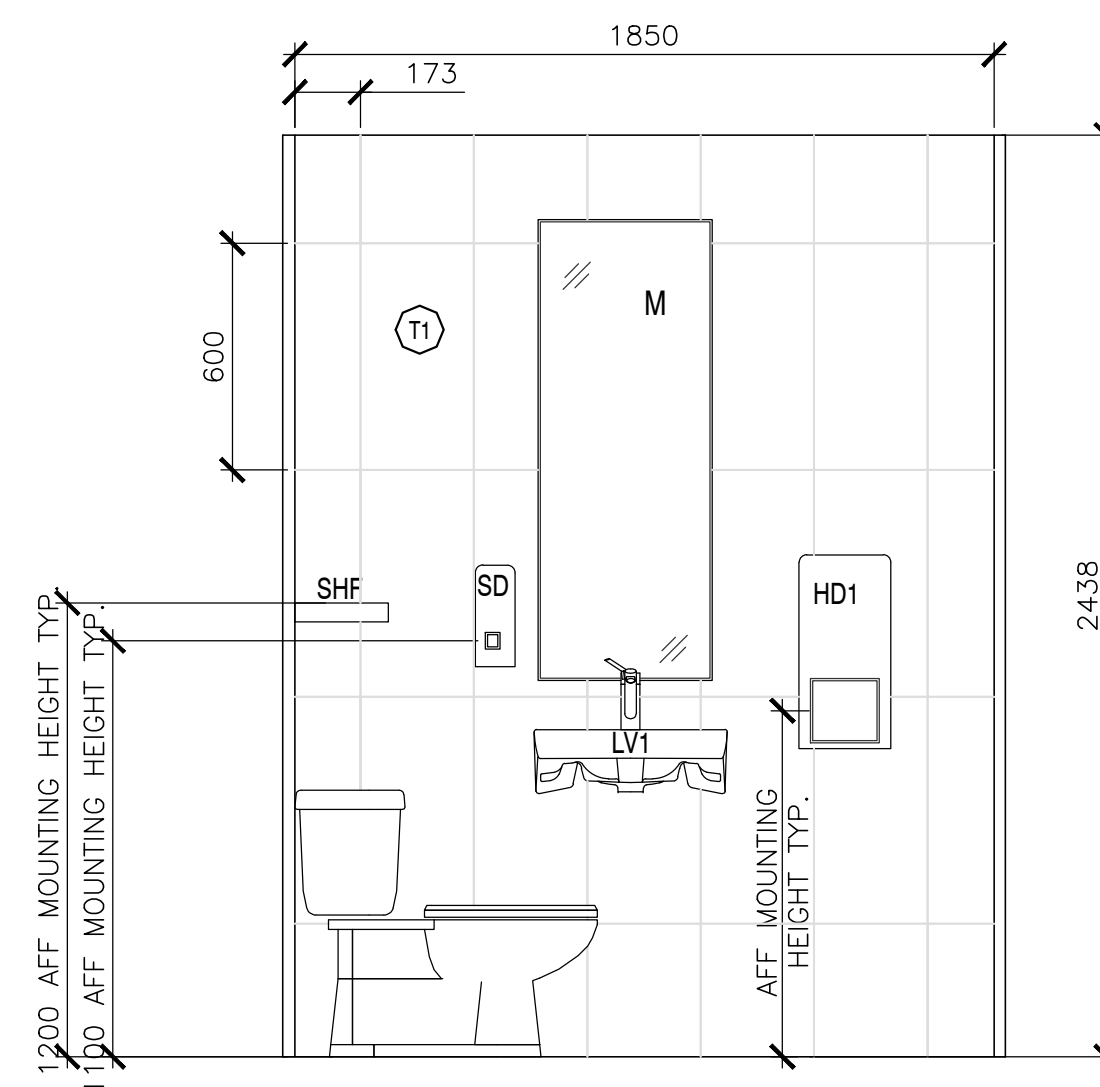
1
213
TYPICAL WR-INTERIOR ELEVATION 1
SCALE : 1:20
0mm 500mm 1000mm 1500mm 2000mm 2500mm



3
213
TYPICAL WR-INTERIOR ELEVATION 3
SCALE : 1:20
0mm 500mm 1000mm 1500mm 2000mm 2500mm



2
213
TYPICAL WR-INTERIOR ELEVATION 2
SCALE : 1:20
0mm 500mm 1000mm 1500mm 2000mm 2500mm



4
213
TYPICAL WR-INTERIOR ELEVATION 2
SCALE : 1:20
0mm 500mm 1000mm 1500mm 2000mm 2500mm

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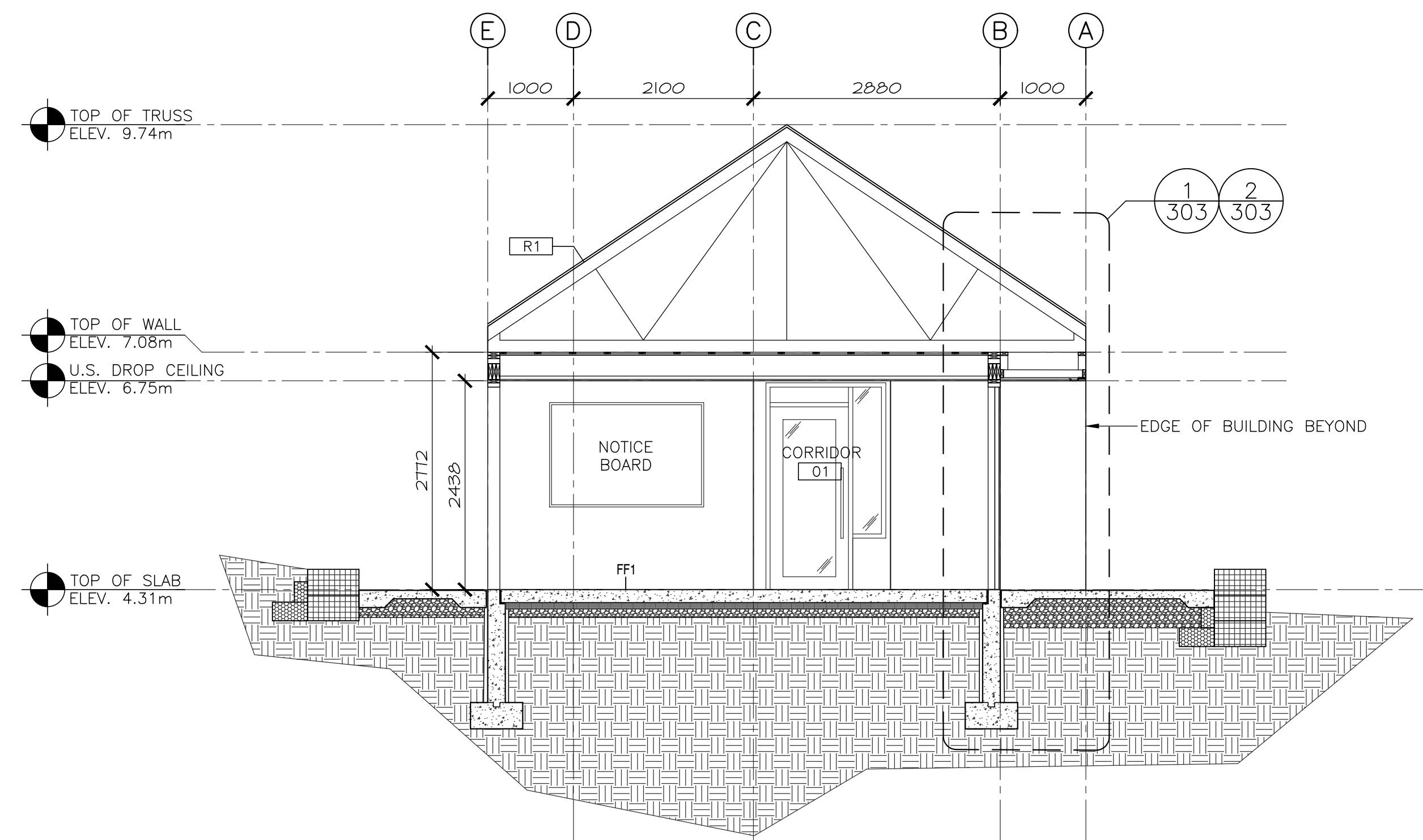
BUILDING SECTIONS

designed	C.C. J.B. H.H.	conçu
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drawn	J.B. A.P. K.H.	dessiné
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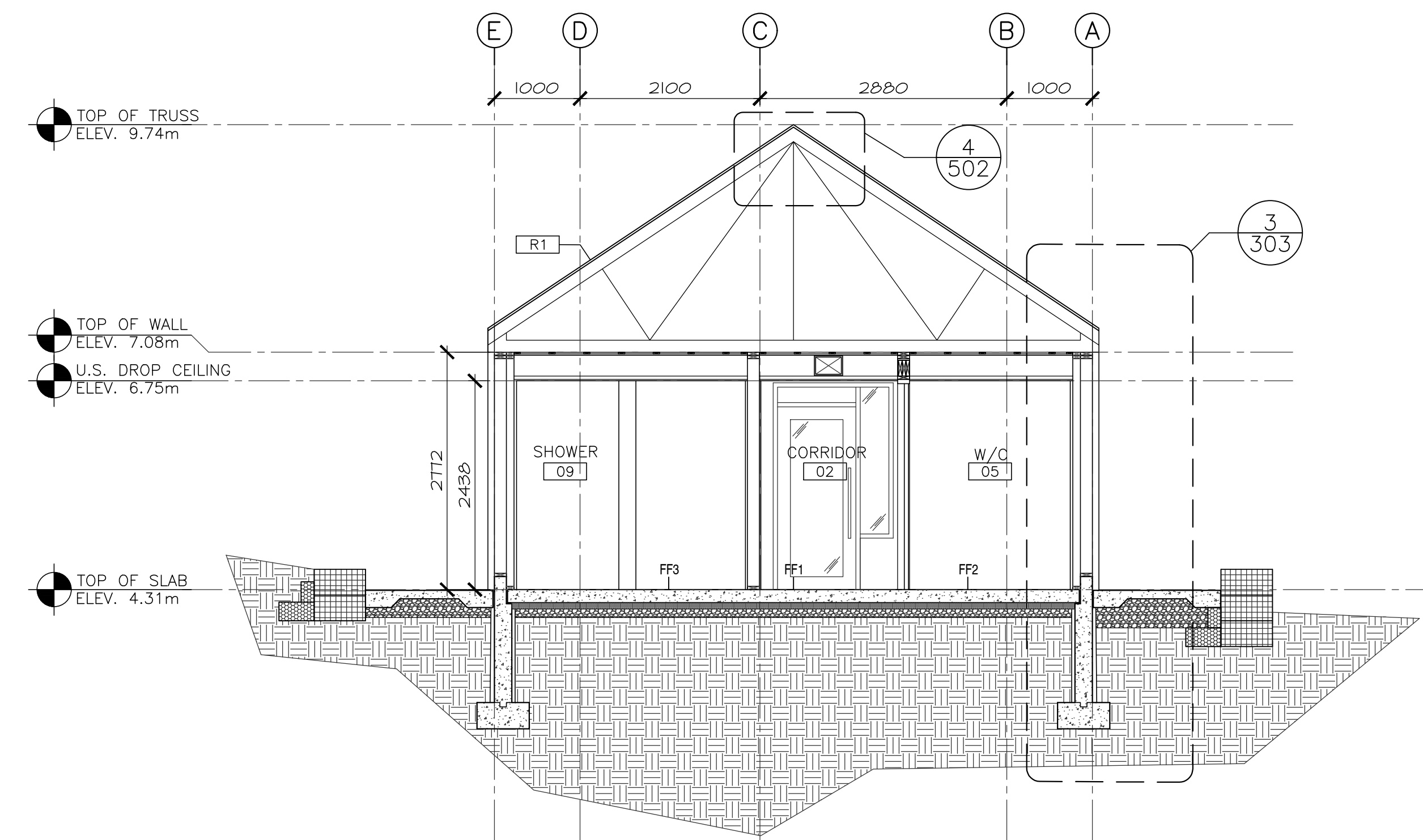
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A-301

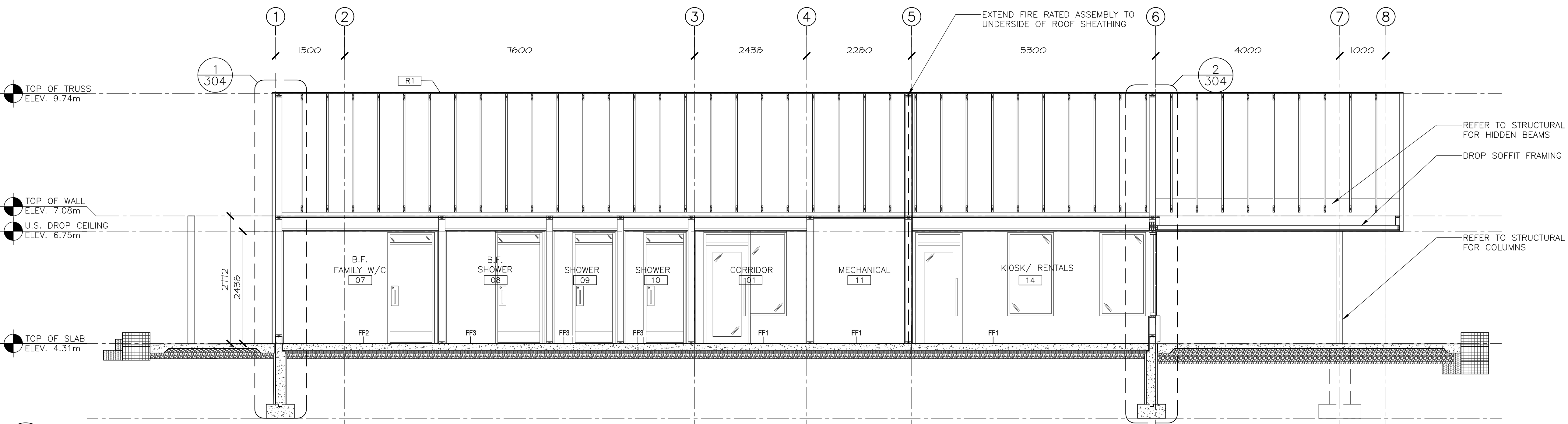
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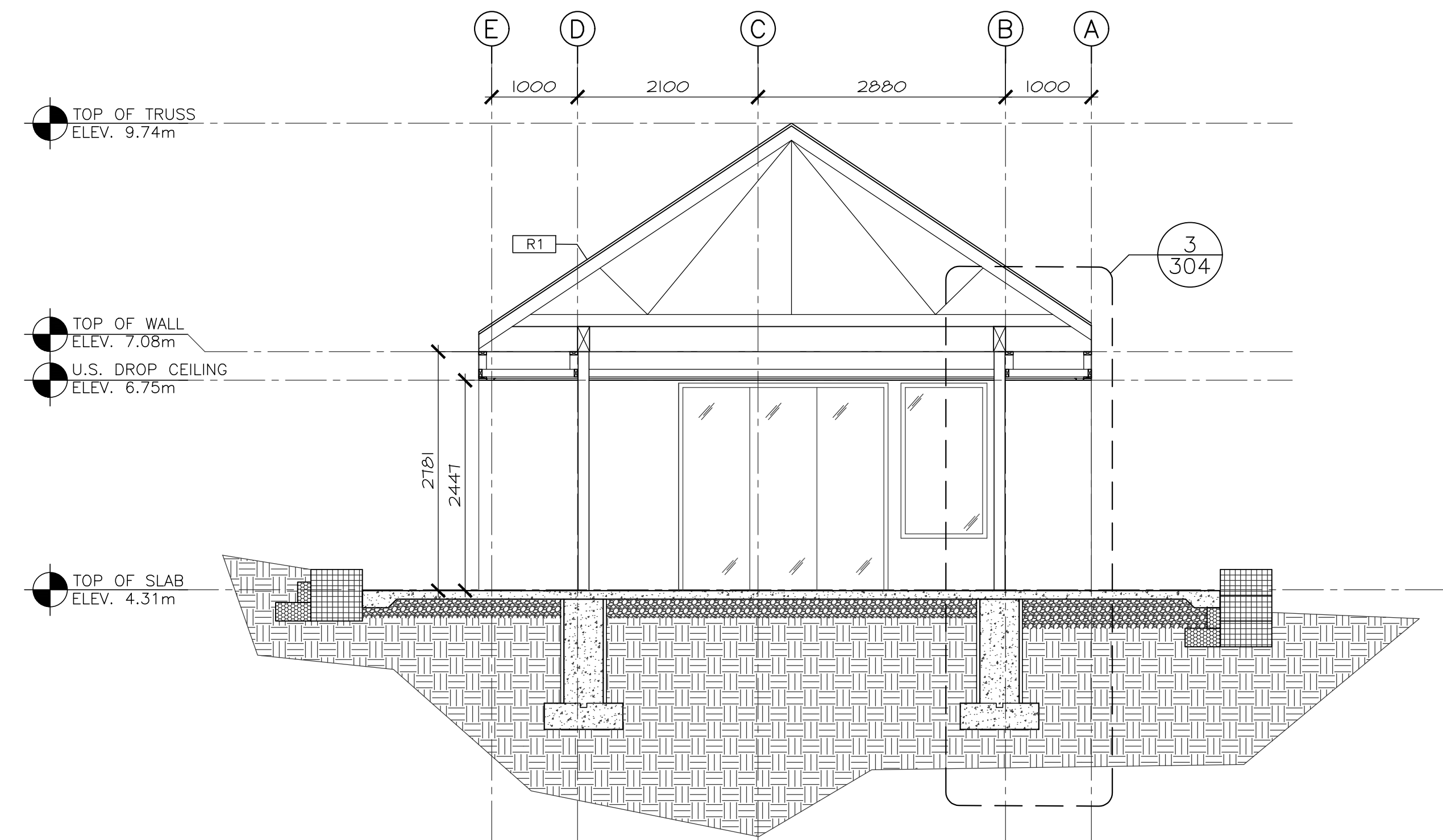
1
301
BUILDING SECTION
SCALE : 1:50



2
301
BUILDING SECTION
SCALE : 1:50



3
301
BUILDING SECTION
SCALE : 1:50



1
302

BUILDING SECTION

SCALE : 1:50

0m 1m 2m 3m 4m 5m

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designed	C.C. J.B. H.H.	conçu
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drawn	J.B. A.P. K.H.	dessiné
date	2021	
approved		approuvé
date		
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Project Manager		Administrateur de projets
project number		no. du projet

drawing no. A-302 no. du dessin



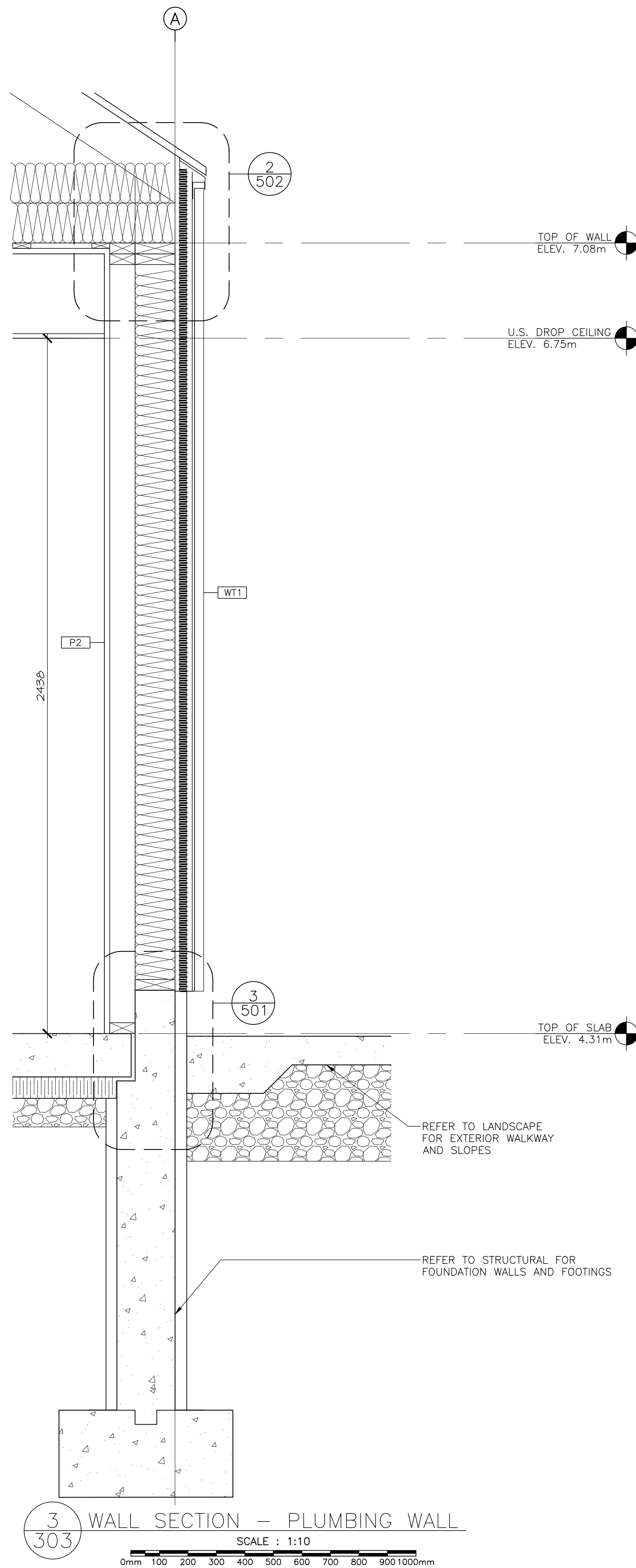
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WASHROOM AND KIOSK

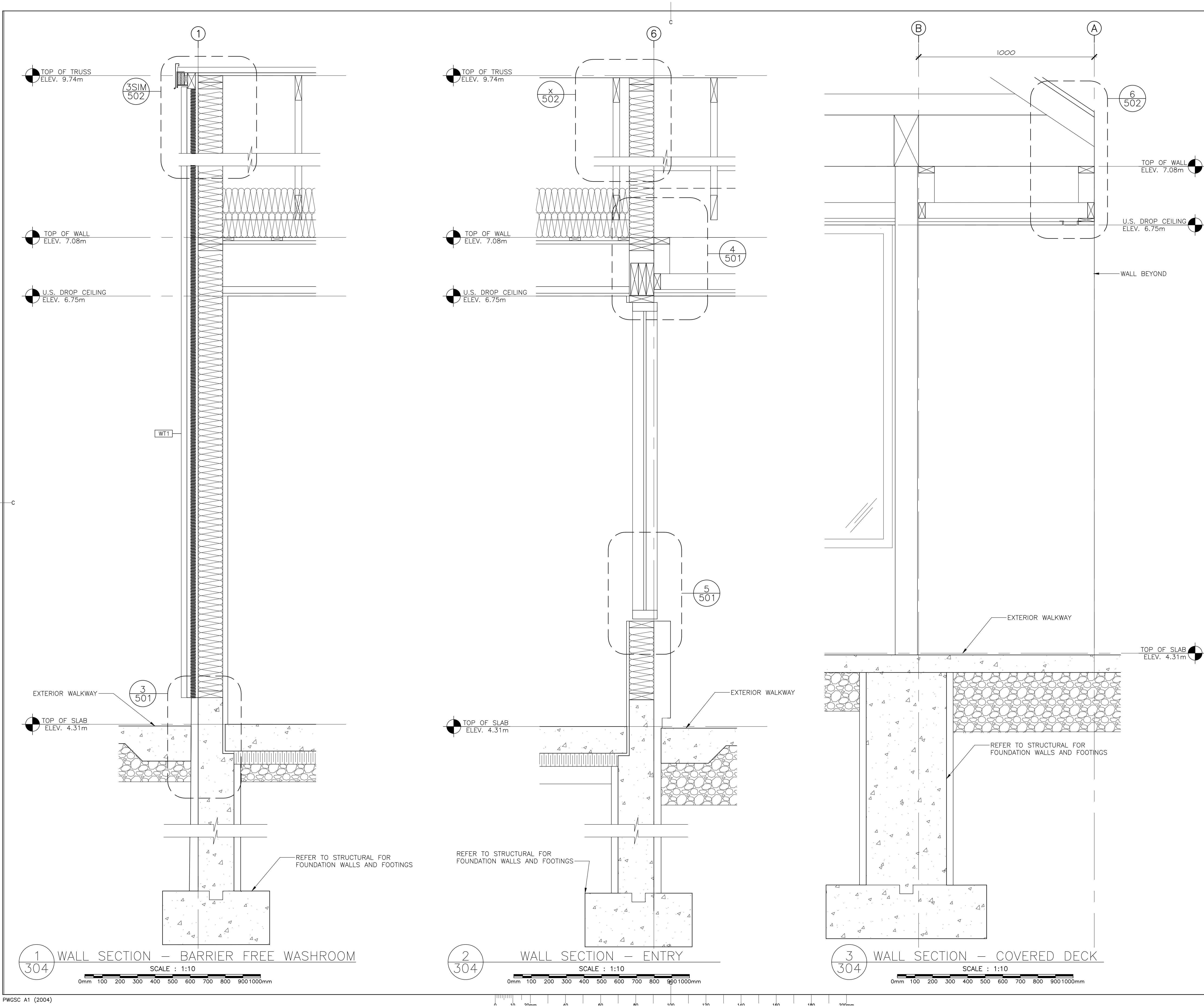
WALL SECTIONS


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A-30.3

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drawing		dessin
WALL SECTIONS		
designed	C.C. J.B. H.H.	conçu
date		
drawn	J.B. A.P. K.H.	dessiné
date	2021	
approved		approuvé
date		
Tender	DUGGAN KENNEDY	Soumission
Project Manager		Administrateur de projets
project number		no. du projet
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A-304		

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DETAIL SHOWS THE INTENT OF OVERLAPING MEMBRANES AND ALUMINUM FLASHING AT ALL OPENINGS. NOT SPECIFIC TO ANY LOCATION OR OPENING TYPE - SEE SPECIFIC LOCATIONS AND DETAILS FOR FULL WALL ASSEMBLIES, TRIMS, DETAILS, ETC.

WALL ASSEMBLY (VARIES)

BRING AIR BARRIER MEMBRANE OVER BITUMINOUS MEMBRANE FLASHING AND SECURE AS REQUIRED

OVERLAP ALUMINUM FLASHING WITH SELF ADHESIVE BITUMINOUS MEMBRANE COUNTER FLASHING AND SECURE AS REQUIRED

PRE-FINISHED ALUMINUM FLASHING - SEE SPECIFIC DETAILS AND LOCATIONS FOR TRIM PROFILES AND SPECIFIC CONDITIONS

WRAP ALL OPENINGS AND SECURE SELF ADHESIVE BITUMINOUS FLASHING MEMBRANE INTO ALUMINUM FRAME THROAT ON ALL FOUR SIDES OF THE OPENING - OVERLAP ALL SEAMS IN FLASHING MEMBRANE

PRE-FINISHED ALUMINUM ENCLOSURE

BACKER ROD AND SEALANT, TYP.

FILL WITH SPRAY FOAM INSULATION

SECURE VAPOR BARRIER INTO OPENING ON ALL 4 SIDES - TYP.

1 SECTION DETAIL - TYPICAL HEAD MEMBRANES

SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm

DETAIL SHOWS THE INTENT OF OVERLAPING MEMBRANES AND ALUMINUM FLASHING AT ALL OPENINGS. NOT SPECIFIC TO ANY LOCATION OR OPENING TYPE - SEE SPECIFIC LOCATIONS AND DETAILS FOR FULL WALL ASSEMBLIES, TRIMS, DETAILS, ETC.

FILL WITH SPRAY FOAM INSULATION

BACKER ROD AND SEALANT, TYPICAL.

SELF ADHESIVE BITUMINOUS MEMBRANE SEALED INTO WINDOW THROAT, TYPICAL.

PRE-FINISHED ALUMINUM SILL FLASHING - SEE SPECIFIC DETAILS AND LOCATIONS FOR PROVIDE AND SPECIFIC CONDITIONS. MIN. 8% SLOPE TO DRAIN AWAY FROM WINDOW.

WRAP OPENINGS WITH SELF ADHESIVE BITUMINOUS MEMBRANE, ALL 4 SIDES

VAPOR PERMEABLE WEATHER RESISTIVE AIR-WEATHER BARRIER

RAINSCREEN

WALL ASSEMBLY (VARIES)

2 SECTION DETAIL - TYPICAL SILL MEMBRANES

SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm

19mm VERT. FURRING/AIR SPACE

AIR/WEATHER BARRIER

HORIZONTAL FURRING

OVERLAP ALUMINUM SKIRT AND FLASHING WITH SELF ADHESIVE BITUMINOUS MEMBRANE

PERFORATED INSECT SCREEN

PRE-FINISHED ALUMINUM DRIP FLASHING

TOP OF SLAB

ELEV. 4.31

REFER TO LANDSCAPE

WRAP BOTTOM OF SHEATHING WITH SELF ADHESIVE BITUMINOUS MEMBRANE

RIGID XPS INSULATION

CONCRETE WATERPROOFING

3 SECTION DETAIL - TYP. BASE DETAIL

SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm

REFER TO STRUCTURAL FOR TRUSS OVERHANGS

TOP OF WALL ELEV.

WESTERN RED CEDAR SOFFIT BOARDS

AIR/WEATHER BARRIER

CEDAR NAILING BOARD TO MATCH SIDING

LAP AIR/WEATHER BARRIER OVER BITUMINOUS MEMBRANE

HEAVY GAUGE ANODIZED ALUMINUM HEAD FLASHING

SEAL BITUMINOUS MEMBRANE INTO ALUMINUM FRAME THROAT

BACKER ROD AND SEALANT, TYP.

VERTICAL JAMB TRIM BEYOND

4 SECTION DETAIL - WINDOW HEADER

SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm

VERTICAL JAMB TRIM BEYOND

BACKER ROD AND SEALANT, TYP.

ANODIZED ALUMINUM SILL FLASHING

WRAP OPENING WITH BITUMINOUS MEMBRANE AND SEAL INTO WINDOW FRAME THROAT

CEDAR NAILING BOARD TO MATCH SIDING

TOP OF SLAB

ELEV. 4.31m

5 SECTION DETAIL - WINDOW SILL

SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm

VERTICAL STRAPPING OR SIDING SUPPORT SYSTEM

OVERLAP ALUMINUM SKIRT AND FLASHING WITH SELF ADHESIVE BITUMINOUS MEMBRANE

PERFORATED INSECT SCREEN

PRE-FINISHED ALUMINUM DRIP FLASHING

TOP OF SLAB

ELEV. 4.31m

6 SECTION DETAIL - SHOWER TILE BASE

SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm

BITUMINOUS FLASHING MEMBRANE TO OVERLAP VENT FLANGE - ALL 4 SIDES. OVERLAP ALL SEAMS
VENT BOX SUPPORT AS REQUIRED
VENT FLANGE
SEALANT
SEAL ALL GAPS BEHIND VENT FLANGE WITH SPRAY FOAM INSULATION - ALL 4 SIDES

LOUVERS VARY - SEE MECHANICAL

BITUMINOUS FLASHING MEMBRANE TO OVERLAP VENT FLANGE - ALL 4 SIDES. OVERLAP ALL SEAMS

7 SECTION DETAIL - VENT FLASHING

SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm

ALUMINUM DOOR

BARRIER FREE TRANSITION

FRAMING SUPPORT

ALUMINUM SKIRT, SEAL INTO DOOR THRESHOLD, TYP.

FLEXIBLE JOINT, TYP.

BITUMINOUS WATERPROOF MEMBRANE SEAL UNDER THRESHOLD

CONCRETE ENTRY PAD

TOP OF SLAB

ELEV. 4.31m

CONTINUOUS VAPOR BARRIER SEAL

SUB-SLAB RIGID INSULATION

DRAINAGE GRAVEL

RIGID INSULATION

8 SECTION DETAIL - DOOR THRESHOLD

SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm

VERTICAL STRAPPING OR SIDING SUPPORT SYSTEM

OVERLAP ALUMINUM SKIRT AND FLASHING WITH SELF ADHESIVE BITUMINOUS MEMBRANE

PERFORATED INSECT SCREEN

PRE-FINISHED ALUMINUM DRIP FLASHING

TOP OF SLAB

ELEV. 4.31

9 SECTION DETAIL - SHOWER TILE BASE

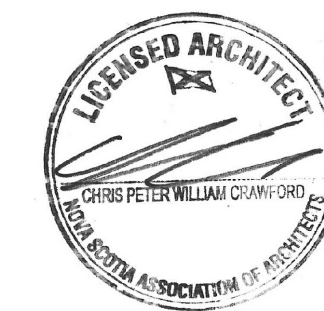
SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm



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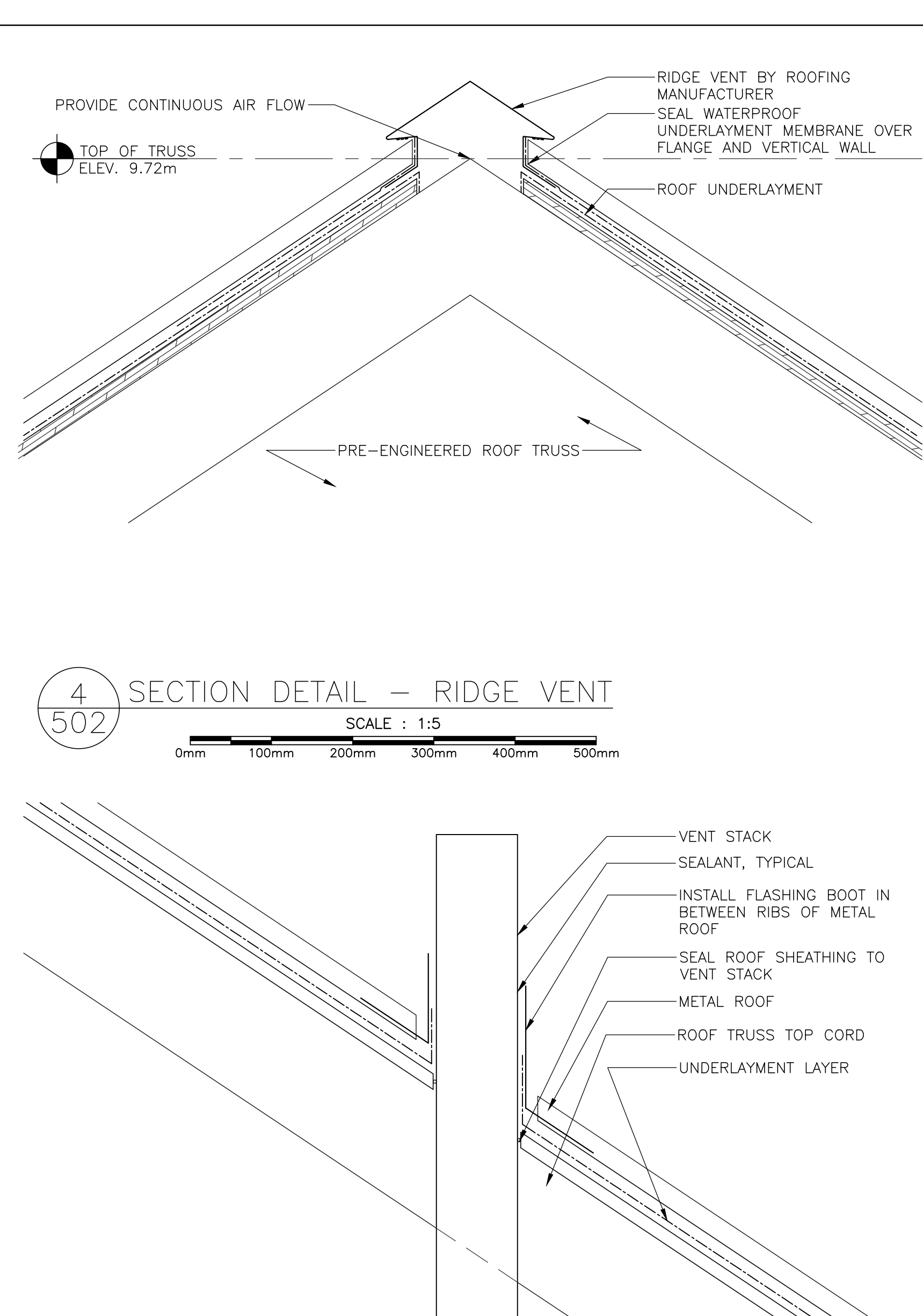
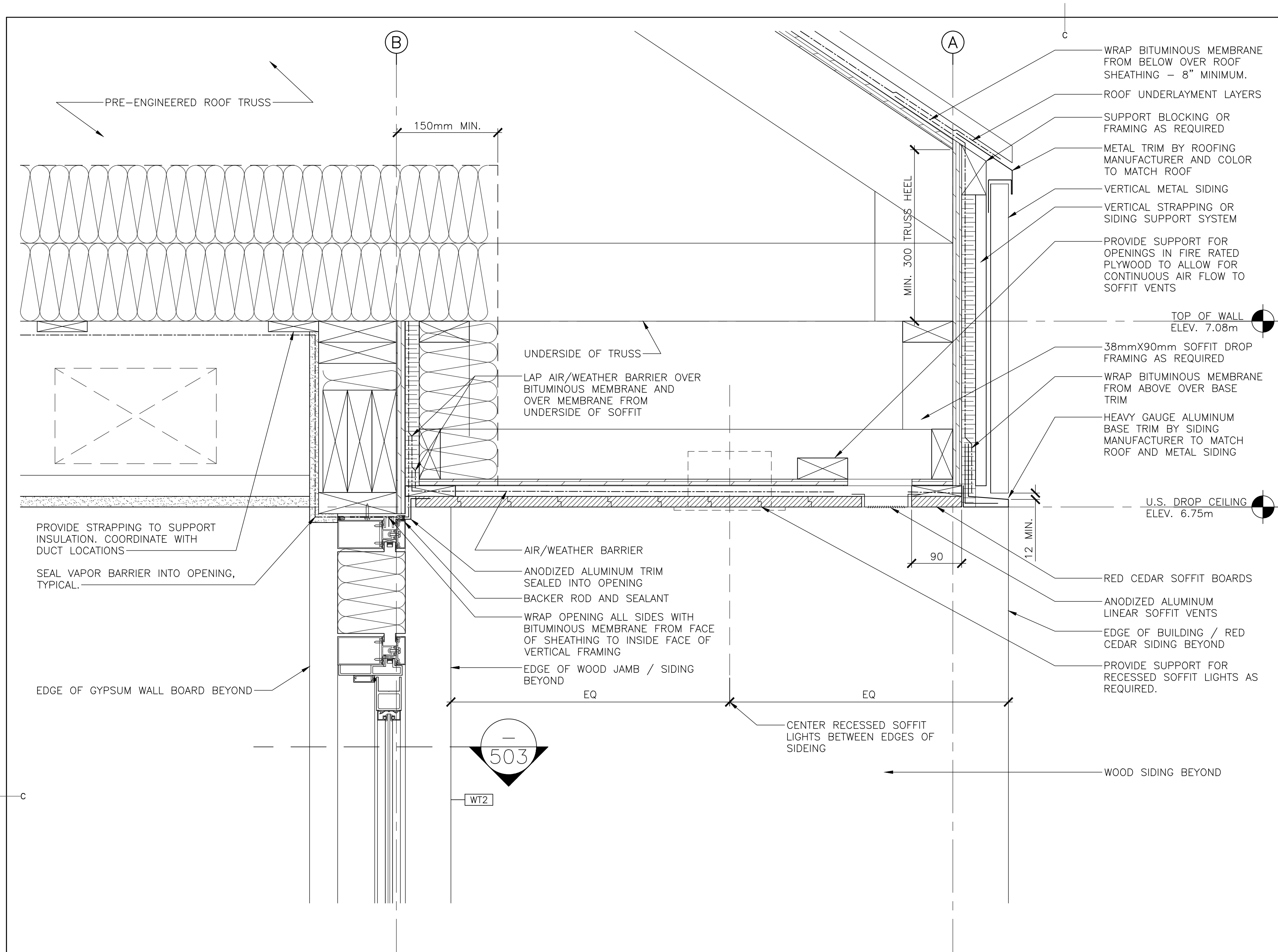


PARKS CANADA
CAPE BRETON HIGHLANDS
NATIONAL PARK,
INGONISH BEACH
WASHROOM AND KIOSK

TYPICAL SECTION DETAILS

designed	C.C. J.B. H.H.	conçu
date		
drawn	J.B. A.P. K.H.	dessiné
date	2021	
approved		approuvé
date		
Tender	DUGGAN KENNEDY	Soumission
Project Manager		Administrateur de projets
project number		no. du projet

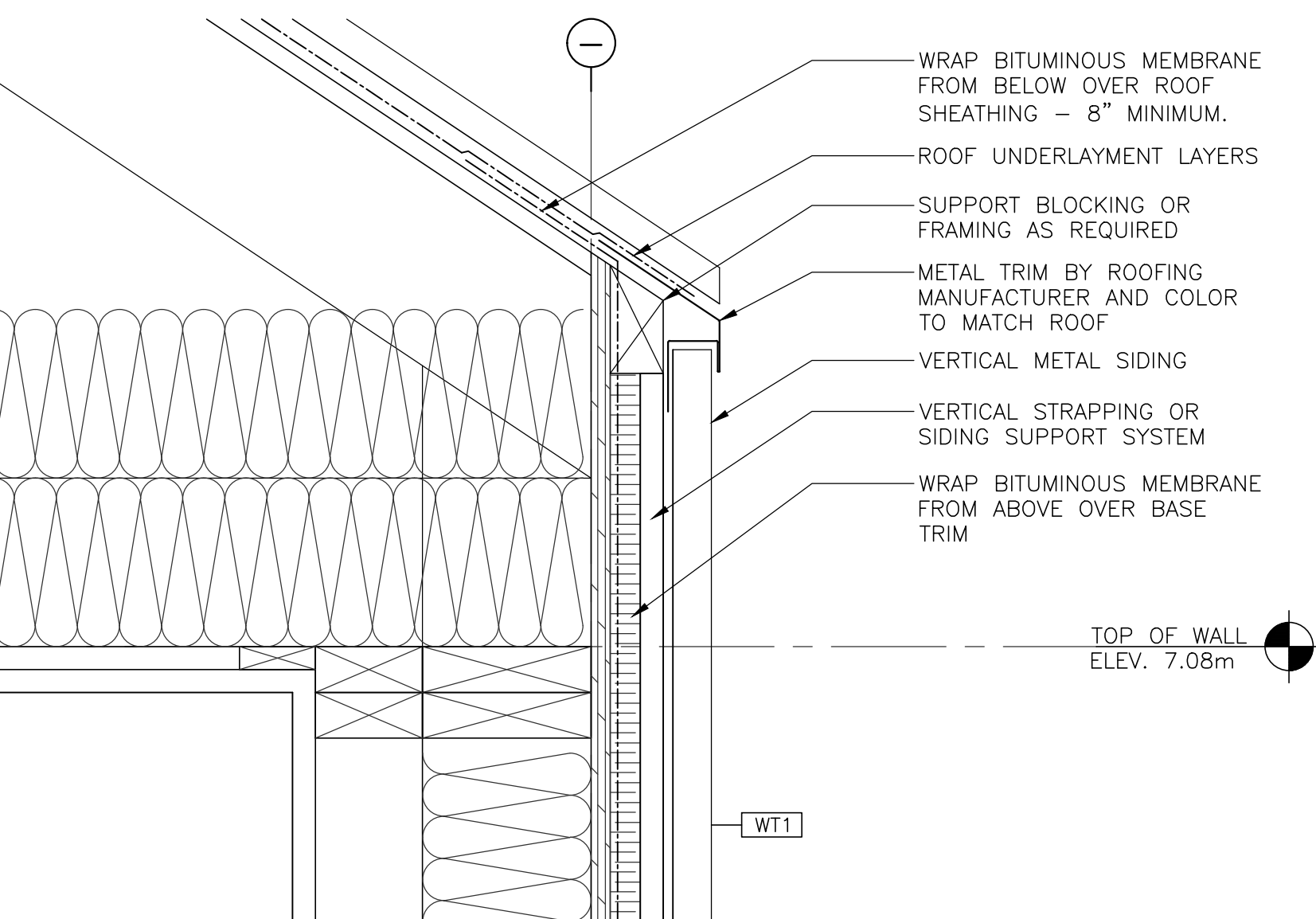
drawing no. A-501 no. du dessin



1 SECTION DETAIL - OVERHANG TO SOFFIT TRANSITIONS

SCALE : 1:5

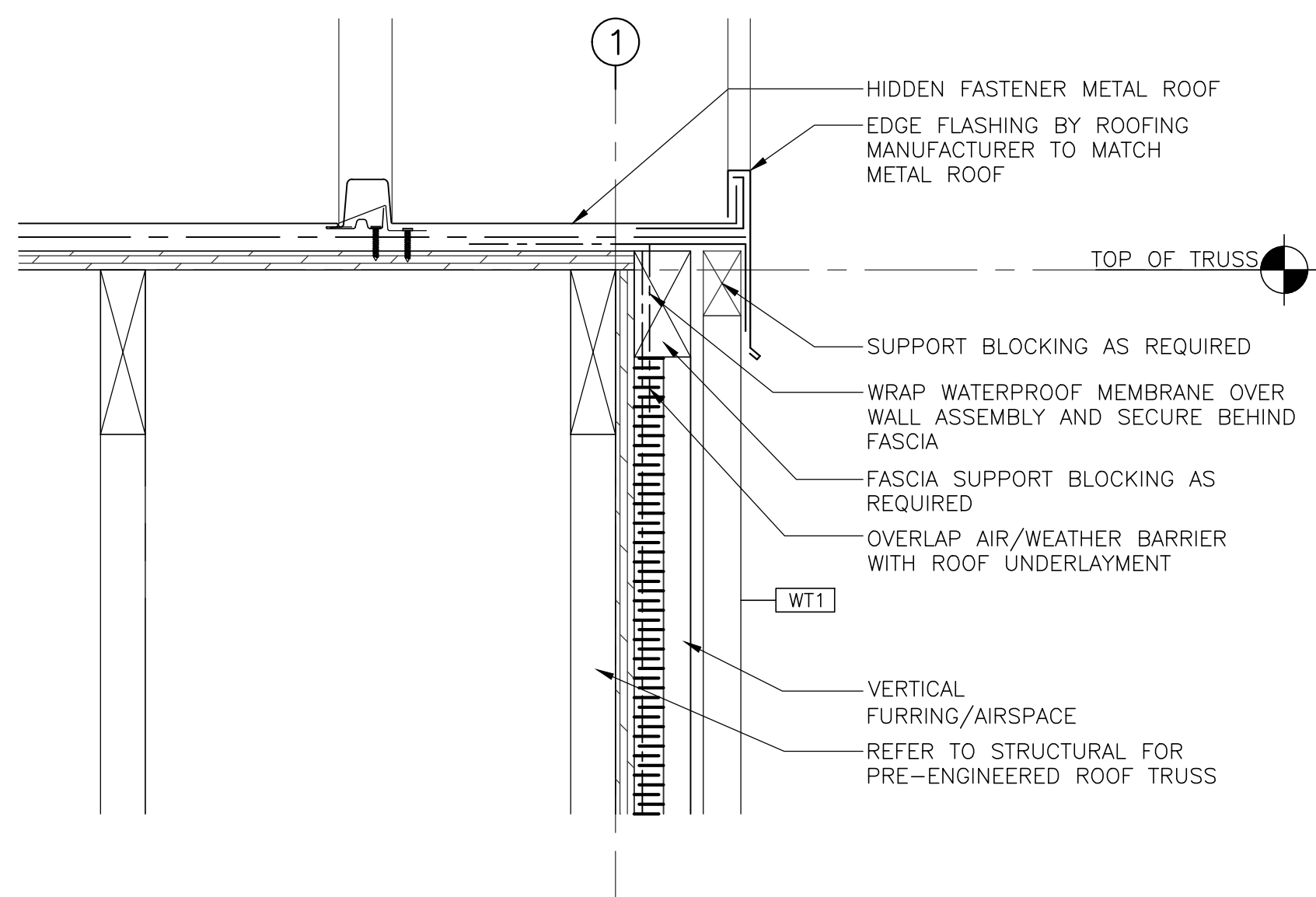
0mm 100mm 200mm 300mm 400mm 500mm



2 SECTION DETAIL - TYPICAL ROOF EDGE

SCALE : 1:5

0mm 100mm 200mm 300mm 400mm 500mm



3 SECTION DETAIL - GABLE ROOF EDGE

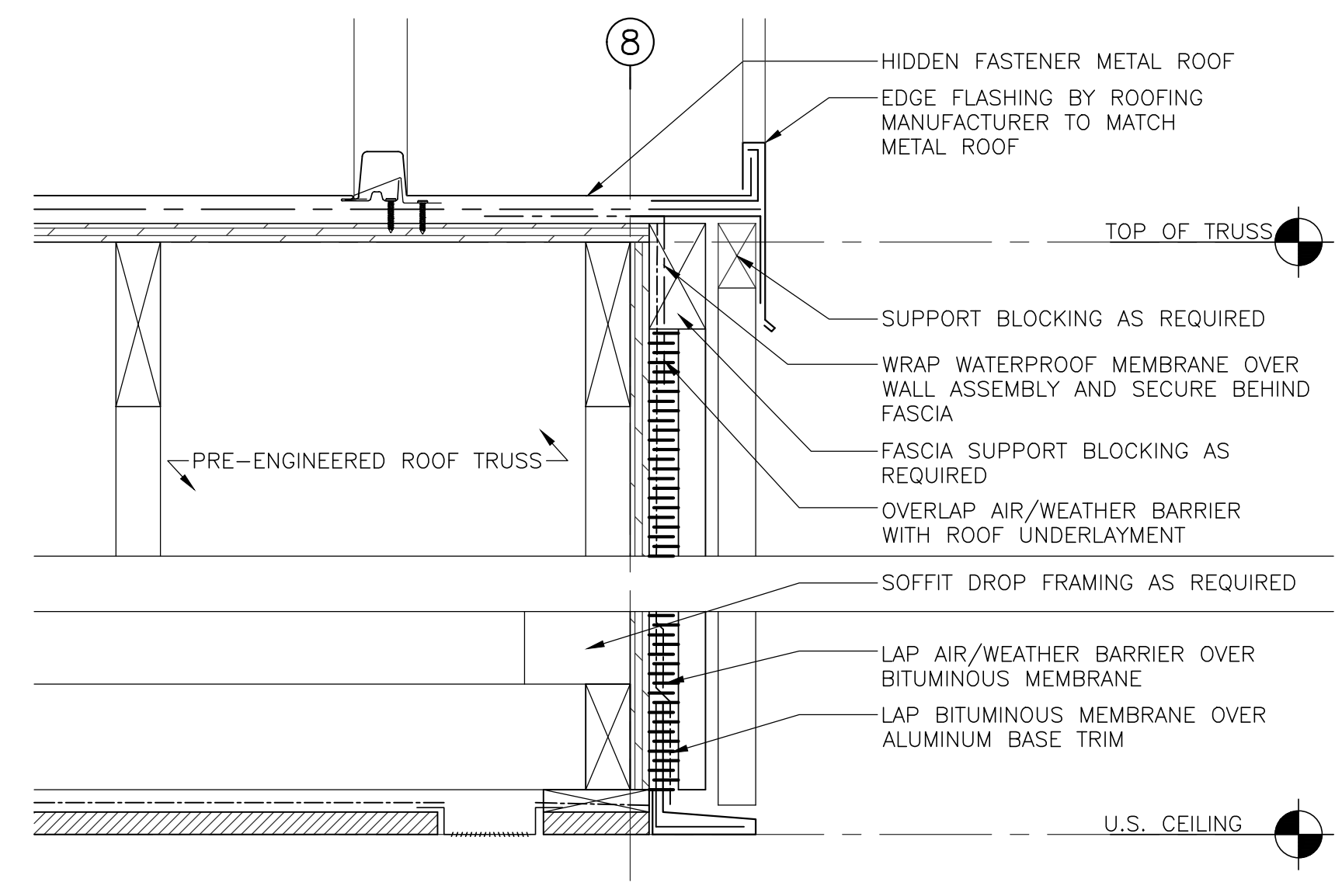
SCALE : 1:5

0mm 100mm 200mm 300mm 400mm 500mm

5 SECTION DETAIL - ROOF VENT PENETRATION

SCALE : 1:5

0mm 100mm 200mm 300mm 400mm 500mm



6 SECTION DETAIL - GABLE ROOF @ SOFFIT

SCALE : 1:5

0mm 100mm 200mm 300mm 400mm 500mm



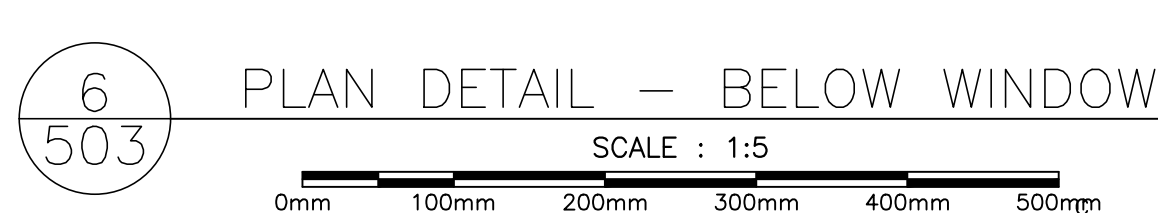
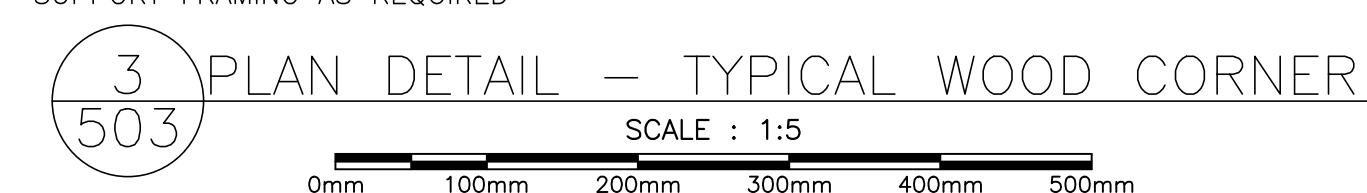
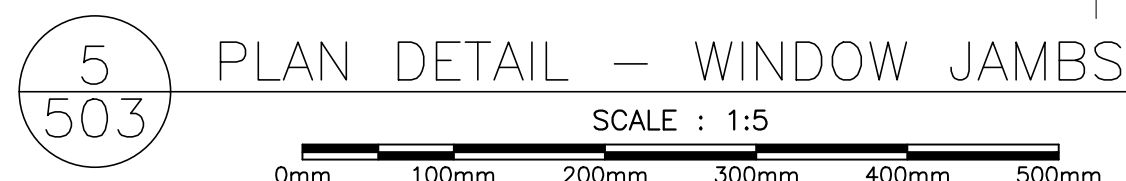
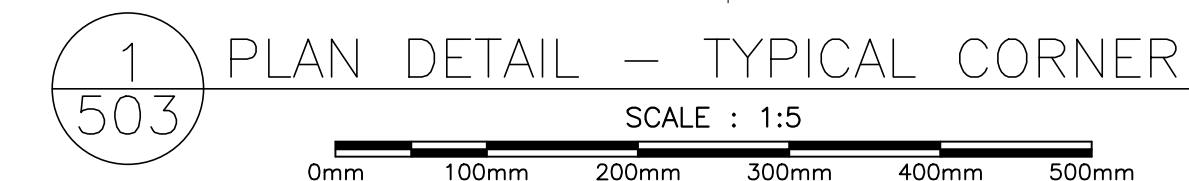
01	ISSUED FOR TENDER	2022 03/31
revisions		date
project		projet
PARKS CANADA CAPE BRETON HIGHLANDS NATIONAL PARK, INGONISH BEACH WASHROOM AND KIOSK		
drawing		dessin
TYPICAL SECTION DETAILS		
designed	C.C. J.B. H.H.	conçu
date		
drawn	J.B. A.P. K.H.	dessiné
date	2021	
approved		approuvé
date		
Tender	DUGGAN KENNEDY	Soumission
Project Manager		Administrateur de projets
project number		no. du projet
drawing no.		no. du dessin
A-502		

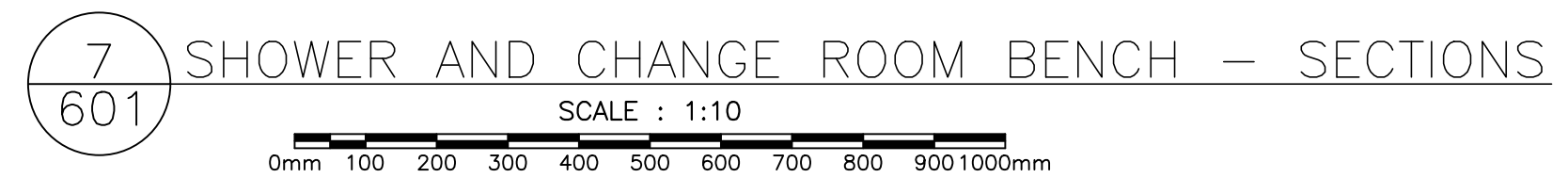
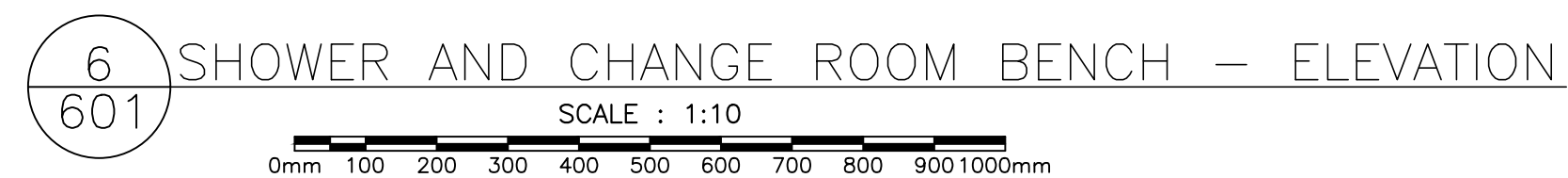
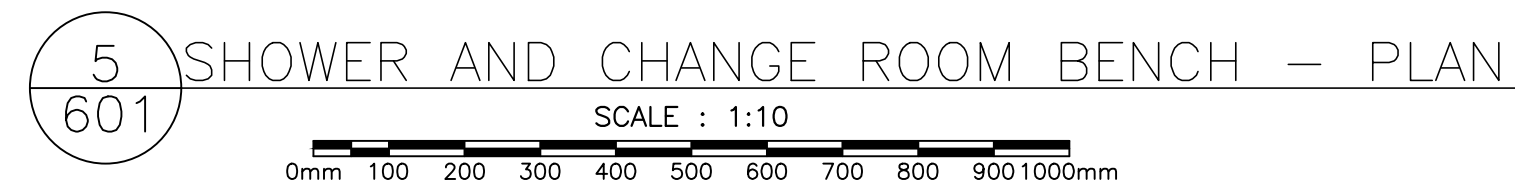
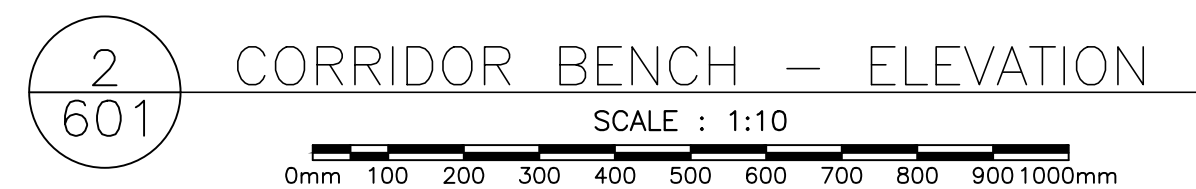
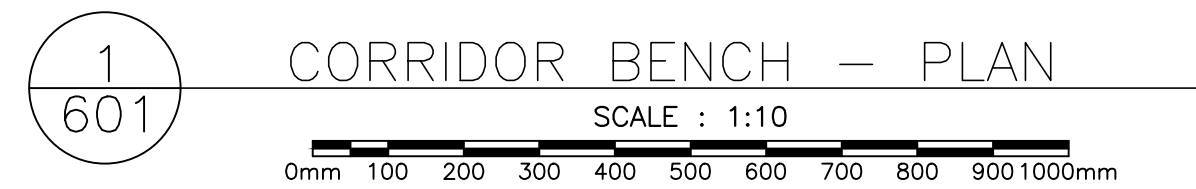


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revisions		date
project	project	
<p>PARKS CANADA CAPE BRETON HIGHLANDS NATIONAL PARK, INGONISH BEACH WASHROOM AND KIOSK</p>		
drawing	dess	
<p>TYPICAL PLAN DETAILS</p>		
designed	C.C. J.B. H.H.	conç
date		
drawn	J.B. A.P. K.H.	dessin
date	2021	
approved	approuv	
date		
Tender	Soumission	
DUGGAN KENNEDY		
Project Manager	Administrateur de proje	
project number	no. du proje	
drawing no.	no. du dess	
<p>A-503</p>		



A-601

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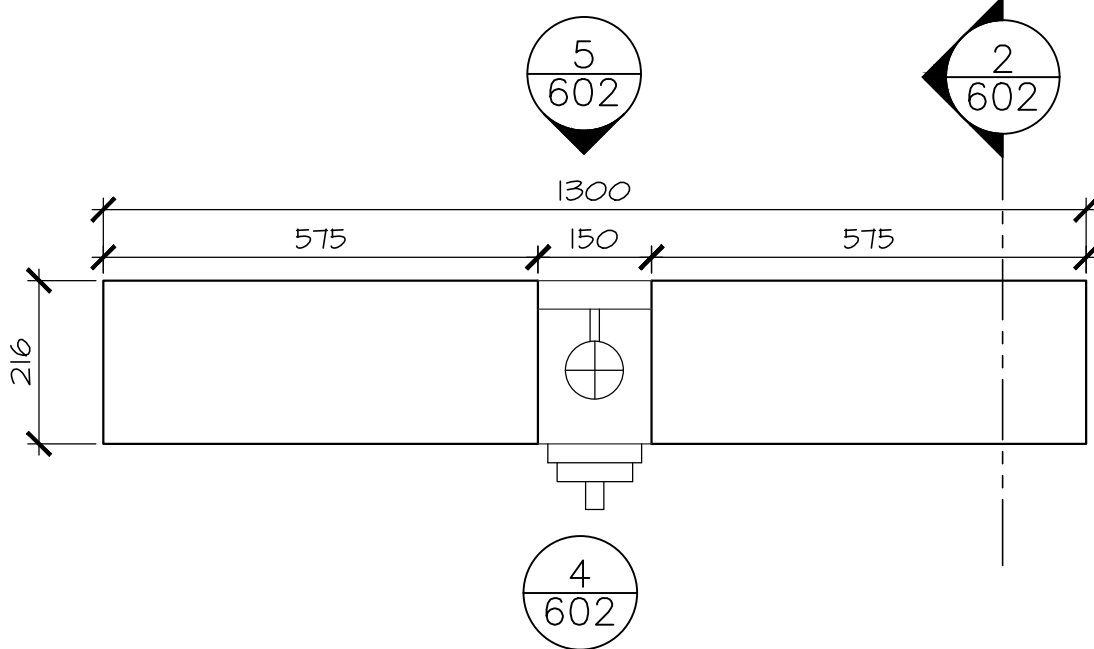


01	ISSUED FOR TENDER	2022 03/31
revisions		date
project		projet
PARKS CANADA CAPE BRETON HIGHLANDS NATIONAL PARK, INGONISH BEACH WASHROOM AND KIOSK		

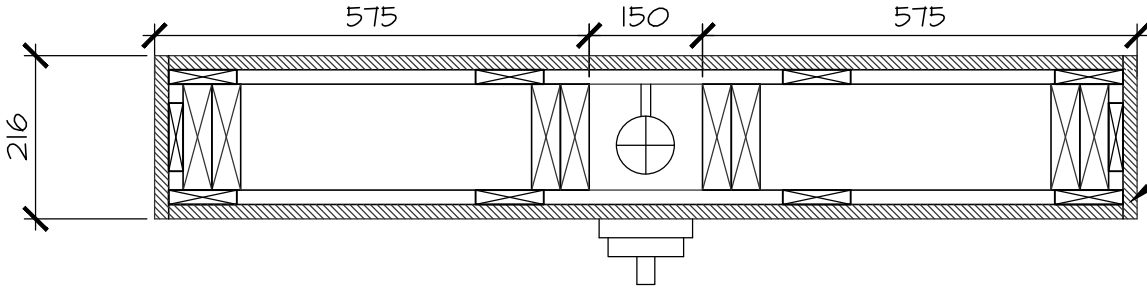
OUTDOOR
SHOWER DETAILS

designed	C.C. J.B. H.H.	conçu
date		
drawn	J.B. A.P. K.H.	dessiné
date	2021	
approved		approuvé
date		
Tender	DUGGAN KENNEDY	Soumission
Project Manager		Administrateur de projets
project number		no. du projet

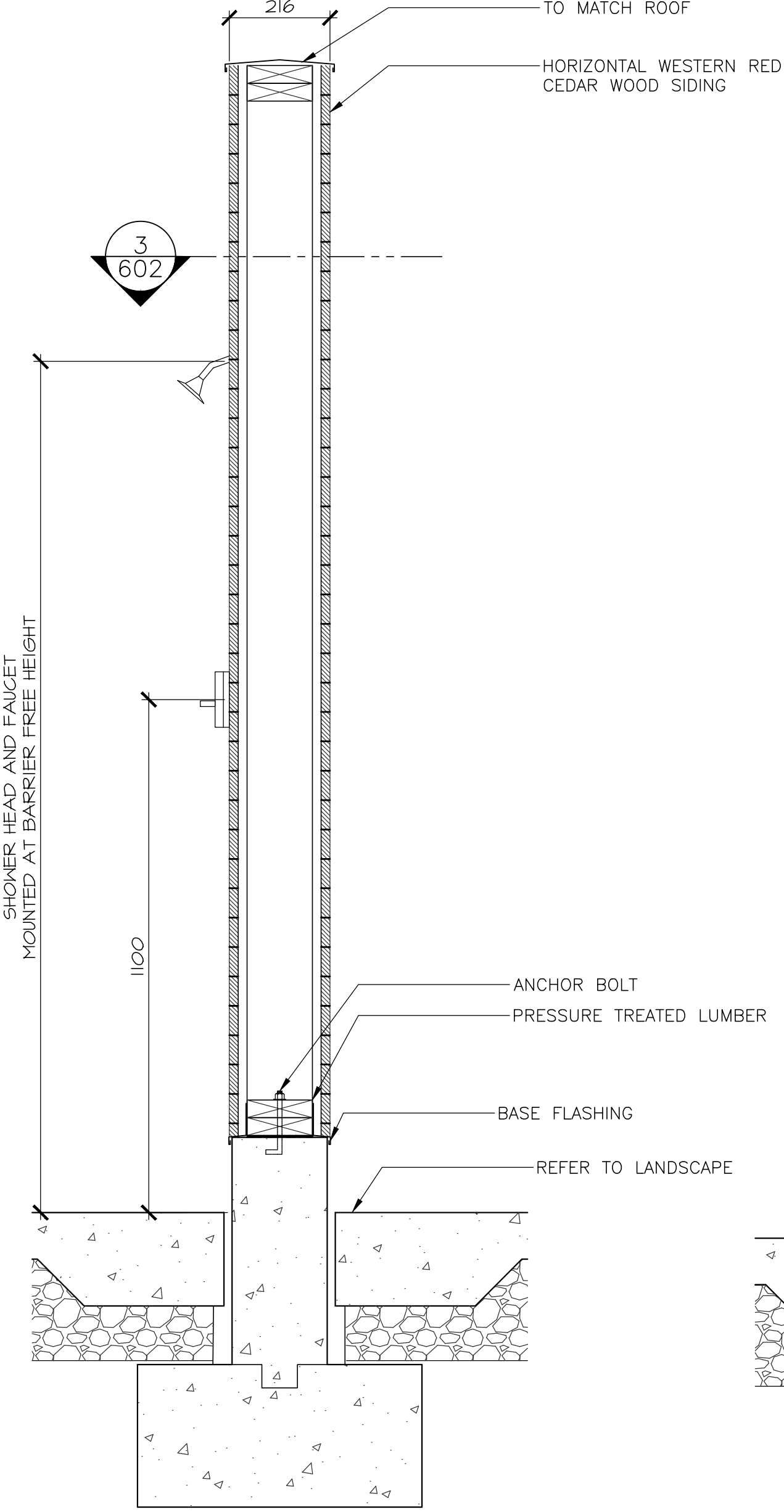
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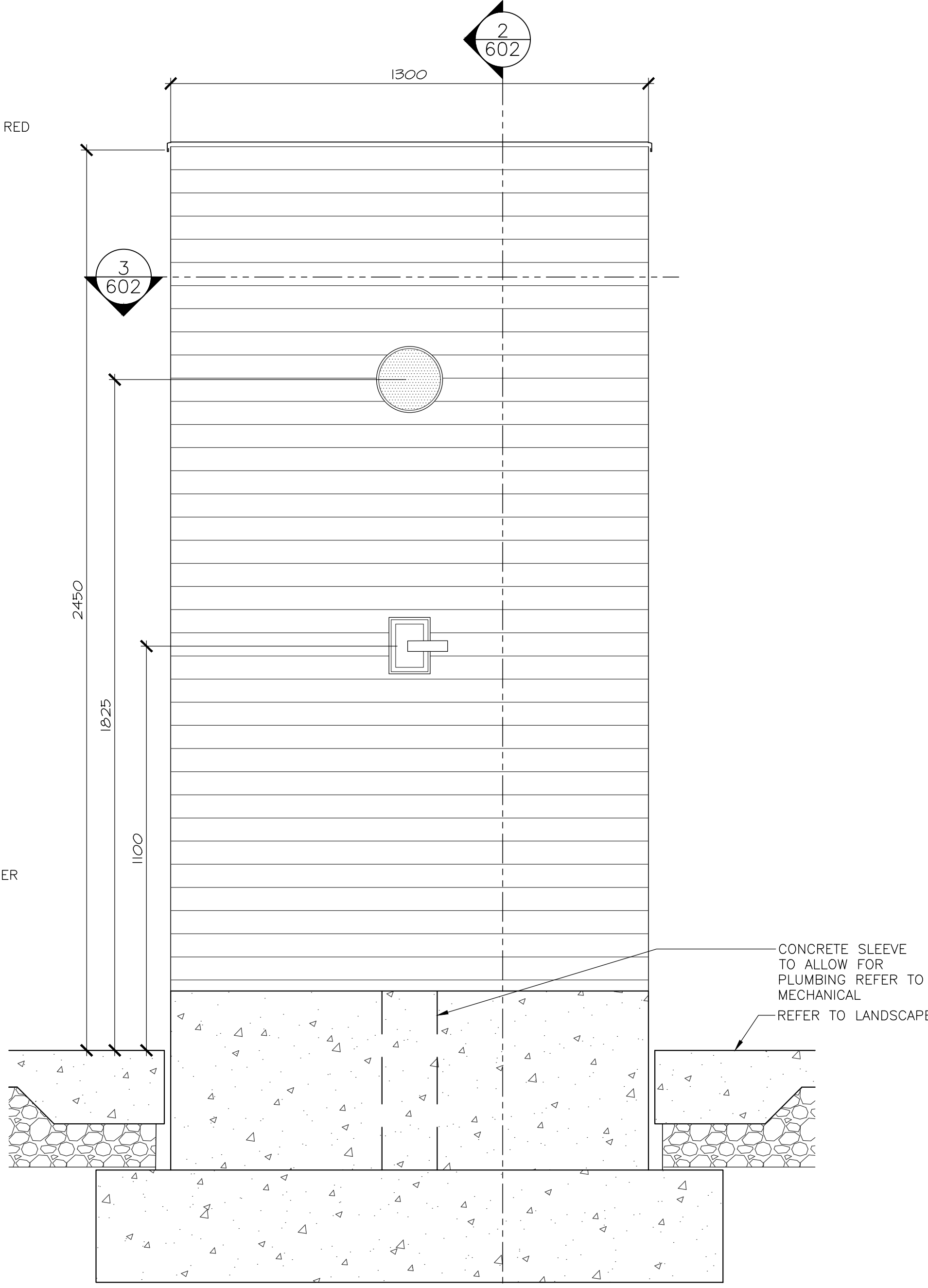
1
602
OUTDOOR SHOWER - PLAN
SCALE : 1:10
0mm 100 200 300 400 500 600 700 800 900 1000mm



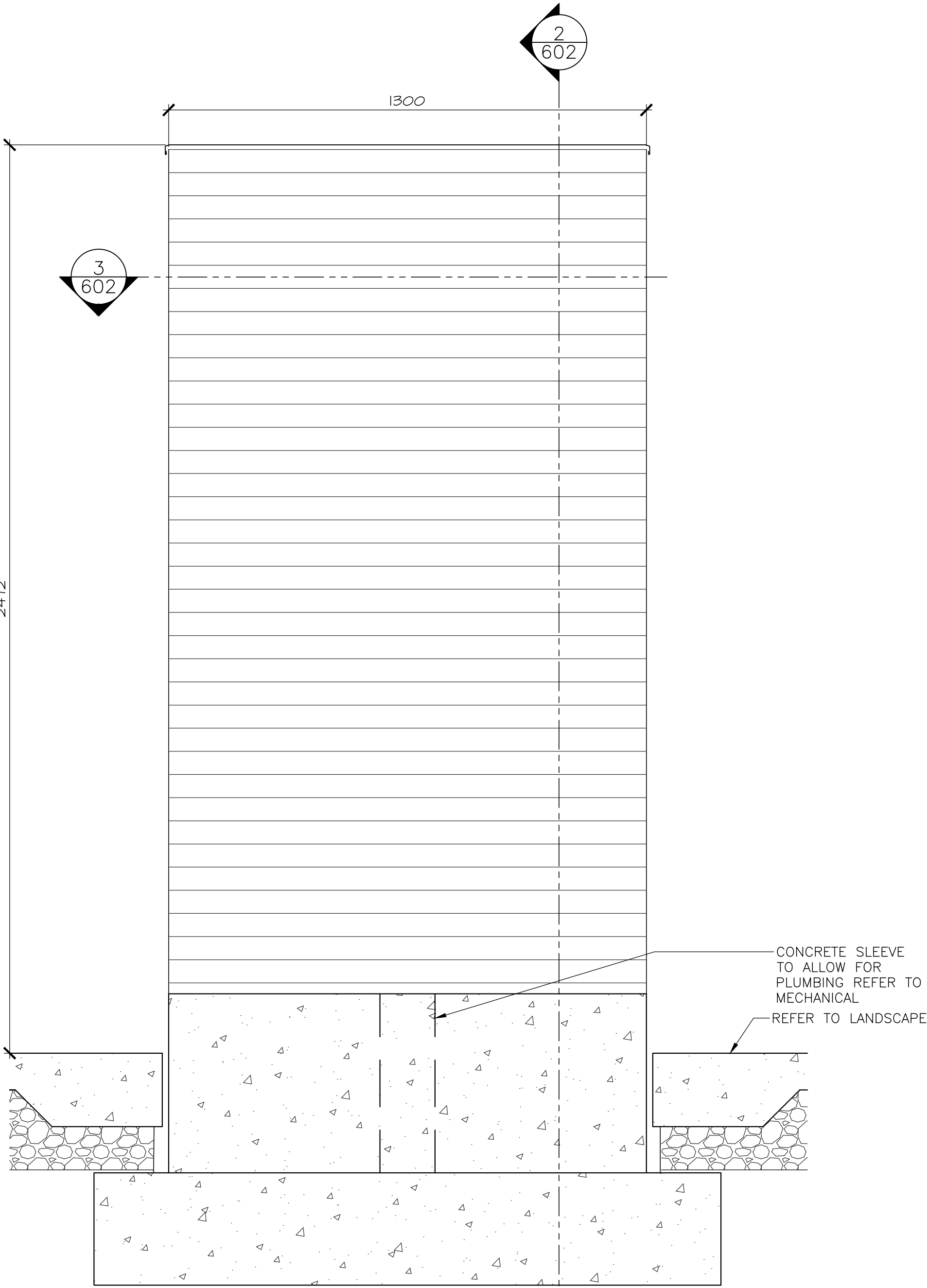
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602
OUTDOOR SHOWER - SECTION
SCALE : 1:10
0mm 100 200 300 400 500 600 700 800 900 1000mm



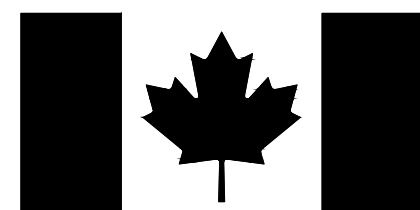
2
602
OUTDOOR SHOWER - SECTION
SCALE : 1:10
0mm 100 200 300 400 500 600 700 800 900 1000mm



4
602
OUTDOOR SHOWER - ELEVATION
SCALE : 1:10
0mm 100 200 300 400 500 600 700 800 900 1000mm



5
602
OUTDOOR SHOWER - ELEVATION
SCALE : 1:10
0mm 100 200 300 400 500 600 700 800 900 1000mm



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PARKS CANADA
CAPE BRETON HIGHLANDS NATIONAL PARK
WASHROOM AND KIOSK FACILITY
INGONISH BEACH
CAPE BRETON, NOVA SCOTIA

PROJECT NO. 45444241

ISSUED FOR TENDER - 2022.03.31

CIVIL
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C-101 SEPTIC NOTES & DETAILS

LANDSCAPE

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L102 GRADING
L103 PLANTING
L104 DETAILS 1
L105 DETAILS 2

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S-103 STRUCTURAL ELEVATION VIEWS
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E-101 ELECTRICAL LAYOUT

MECHANICAL

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M-102 PLUMBING DOMESTIC WATER LAYOUT
M-103 PLUMBING SCHEDULES AND DETAILS
M-104 HVAC LAYOUT
M-105 HVAC SCHEDULES & DETAILS
M-106 MECHANICAL CONTROLS

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WINDOW SCHEDULE			
SYMBOL	WIDTH	HEIGHT	DESCRIPTION
W1	1800mm	2414mm	ALUMINUM ENTRANCE – WINDOW AND ALUMINUM PANEL
W2	1400mm	2414mm	ALUMINUM ENTRANCE – WINDOW AND ALUMINUM PANEL
W3	1017mm	2414mm	ALUMINUM ENTRANCE – WINDOW AND ALUMINUM PANEL
W4	1000mm	1814mm	THERMALLY BROKEN ALUMINUM WINDOW, FIXED

DOOR SCHEDULE							
DOOR #	FROM	TO	DOOR TYPE	WIDTH	HEIGHT	DESCRIPTION	HARDWARE
D1.1	01	EXT.	D1	915mm	2134mm	ALUMINUM CURTAIN WALL ENTRANCE DOOR	H-1
D1.2	01	EXT.	D1	915mm	2134mm	ALUMINUM CURTAIN WALL ENTRANCE DOOR	H-1
D2.1	02	EXT.	D1	915mm	2134mm	ALUMINUM CURTAIN WALL ENTRANCE DOOR	H-1
D3.1	02	03	D2	915mm	2134mm	INSULATED METAL DOOR / PRESSED STEEL FRAME	H-3
D4.1	02	04	D2	915mm	2134mm	INSULATED METAL DOOR / PRESSED STEEL FRAME	H-3
D5.1	02	05	D2	915mm	2438mm	INSULATED METAL DOOR / PRESSED STEEL FRAME	H-3
D6.1	02	06	D2	915mm	2134mm	INSULATED METAL DOOR / PRESSED STEEL FRAME	H-3
D7.1	02	07	D2B	915mm	2134mm	INSULATED METAL DOOR / PRESSED STEEL FRAME	H-4
D8.1	02	08	D2B	915mm	2134mm	INSULATED METAL DOOR / PRESSED STEEL FRAME	H-5
D9.1	02	09	D2	915mm	2134mm	INSULATED METAL DOOR / PRESSED STEEL FRAME	H-6
D10.1	02	10	D2	915mm	2134mm	INSULATED METAL DOOR / PRESSED STEEL FRAME	H-6
D11.1	EXT.	11	D3	915mm	2134mm	INSULATED METAL DOOR / PRESSED STEEL FRAME – RATED FIR 1h MECH. ROOM	H-7
D12.1	01	12	D4	915mm	2134mm	INSULATED METAL DOOR / PRESSED STEEL FRAME	H-8
D13.1	01	13	D2	915mm	2134mm	INSULATED METAL DOOR / PRESSED STEEL FRAME	H-13
D14.1	EXT.	14	D1	915mm	2134mm	ALUMINUM CURTAIN WALL ENTRANCE DOOR	H-2
D14.2	EXT.	14	D5	915mm	2438mm	ALUMINUM OPERABLE DOORS	H-9

NOTE: SEE FLOOR PLAN FOR DOOR SWING. REFER TO SPECIFICATION FOR HARDWARE SCHEDULE FOR EACH ROOM/DOOR REQUIREMENTS.

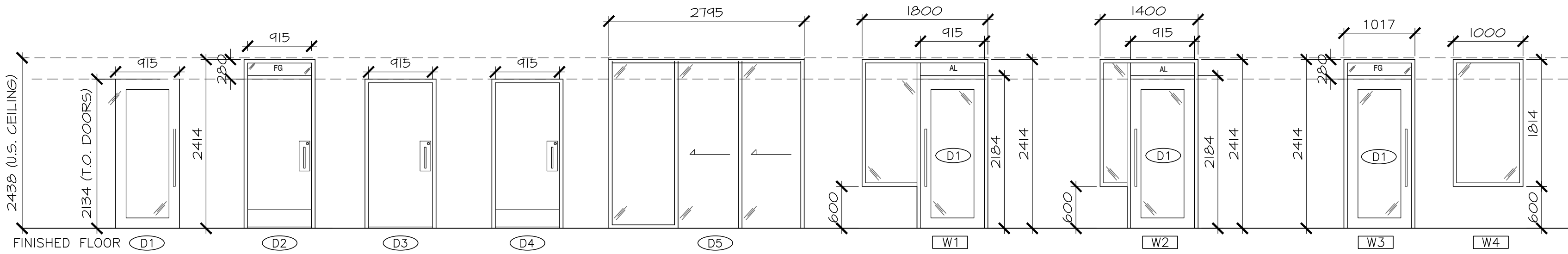
1100

DOOR AND WINDOW SCHEDULES

0m1m2m3m4m5m

SCALE : 1:50

NOTE: COORDINATE TOP OF FRAMING WITH UNDERSIDE OF DROP CEILING. ADJUST TOP OF FRAME HEIGHT ACCORDINGLY. COORDINATE WITH ALL SERVICES TO VERIFY UNDERSIDE OF DROP CEILING. NOTIFY DEPARTMENTAL REPRESENTATIVE OF ANY SIGNIFICANT DISCREPANCY OR ADJUSTMENTS REQUIRED.



DOOR & WINDOW LEGEND	
SYMBOL	DESCRIPTION
FG	FROSTED PRIVACY GLASS
AL	ANODIZED ALUMINUM PANEL

CONSTRUCTION ASSEMBLIES LEGEND – REFER TO DRAWING A-104 FOR INTERIOR FINISHES		
WALL ASSEMBLIES	ROOF ASSEMBLIES	INTERIOR PARTITIONS
<div><div>WT1</div><div>WT1 EXTERIOR WALL ASSEMBLY – TYPICAL<ul style="list-style-type: none">METAL CLADDING W/ HIDDEN FASTENERSSTRAPPING / METAL FURRING BARS19mm AIRSPACE25mm MINERAL WOOL INSULATIONWEATHER RESISTIVE VAPOR PERMEABLE AIR BARRIEREXTERIOR GRADE SHEATHING38mm x 140mm WOOD STUDSMINERAL WOOL INSULATIONVAPOUR BARRIER5/8" GYPSUM WALL BOARD, PAINTED</div><div>*** NOTE: NO INTERIOR GWB WHERE WT1 ABUTS P2 INTERIOR PLUMBING PARTITION</div></div>	<div><div>R1</div><div>ROOF ASSEMBLY – TYPICAL<ul style="list-style-type: none">METAL ROOF W/ HIDDEN FASTENERVENTILATION/DRAINAGE MATUNDERLAYMENT LAYER16MM ROOF SHEATHINGR-52 BATT INSULATIONENGINEERED ROOF TRUSSESCEILING STRAPPINGVAPOR BARRIER16MM GYPSUM WALLBOARD CEILING</div><div>*** NOTE: ALL GYPSUM WALL BOARD AT WASHROOM AND SHOWER LOCATIONS TO BE WATERPROOF</div></div>	<div>SEE DRAWING A-102 FOR INTERIOR FINISHES</div> <div><div>P1A</div><div>INTERIOR PARTITION – TYPICAL<ul style="list-style-type: none">16mm GYPSUM WALL BOARD38mm x 140mm WOOD STUDS @ 400mm O.C.MINERAL WOOL INSULATION; FULL CAVITY16mm GYPSUM WALL BOARD</div><div>*** ALL WALLS TO BE P1A UNLESS OTHERWISE NOTED. ALL GYPSUM WALL BOARD IN WASHROOMS TO BE WATERPROOF. WALL TILES OVER GYPSUM WALL BOARD– REFER TO FINISH PLAN A-102 FOR LOCATIONS.</div></div>
<div><div>WT2</div><div>WT2 EXTERIOR WALL ASSEMBLY – TYPICAL<ul style="list-style-type: none">19mm WESTERN RED CEDAR WOOD SIDINGHORIZONTAL ORIENTATIONSTAIN AND UV CLEAR19mm VERTICAL STRAPPING / AIRSPACE25mm RIGID INSULATIONWEATHER RESISTIVE VAPOR PERMEABLE AIR BARRIEREXTERIOR GRADE SHEATHING38mm x 140mm WOOD STUDSMINERAL WOOL INSULATIONVAPOUR BARRIER16mm INTERIOR SHEATHINGGYPSUM BOARD (TYPICAL)SCHLUTER KERDI-BOARD INSTEAD OF GYPSUM AT SHOWER LOCATIONS (ROOMS 10, 11, 12)</div></div>	<div><div>S1</div><div>ROOF ASSEMBLY – TYPICAL<ul style="list-style-type: none">U.S. OF WOOD TRUSS12.5mm FIRE RATED PLYWOODWEATHER RESISTIVE VAPOR PERMEABLE AIR BARRIER19mm STRAPPING / AIR SPACEWESTERN RED CEDAR SOFFIT</div></div> <div><div>FT1</div><div>FT1 FLOOR ASSEMBLY – TYPICAL<ul style="list-style-type: none">FINISHED CONCRETE SLABUNDER SLAB VAPOR BARRIERUNDER-SLAB RIGID INSULATIONDRAINAGE GRAVEL</div></div> <div><div>FT2</div><div>FLOOR ASSEMBLY – WASHROOMS<ul style="list-style-type: none">SLOPED CONCRETE SLABUNDER SLAB VAPOR BARRIERUNDER-SLAB RIGID INSULATIONDRAINAGE GRAVEL</div></div> <div><div>FT3</div><div>FLOOR ASSEMBLY – SHOWERS<ul style="list-style-type: none">WATERPROOF UNDER-LAYMENTSLOPED CONCRETE SLABUNDER SLAB VAPOR BARRIERUNDER-SLAB RIGID INSULATIONDRAINAGE GRAVEL</div></div>	<div><div>P1B</div><div>INTERIOR PARTITION – CORRIDOR / SHOWERS<ul style="list-style-type: none">16mm GYPSUM WALL BOARD38mm x 140mm WOOD STUDS @ 400mm O.C.MINERAL WOOL INSULATIONVAPOUR BARRIER16mm SCHLUTER WATERPROOF KERDI-BOARD</div></div> <div><div>P1C</div><div>INTERIOR PARTITION – SHOWERS<ul style="list-style-type: none">16mm SCHLUTER WATERPROOF KERDI-BOARD38mm x 140mm WOOD STUDS @ 400mm O.C.MINERAL WOOL INSULATIONVAPOUR BARRIER16mm SCHLUTER WATERPROOF KERDI-BOARD</div></div> <div><div>P1D</div><div>INTERIOR PARTITION 1h F.R.R. – MECH. ROOM / W/C<ul style="list-style-type: none">16mm TYPE X GYPSUM WALL BOARD38mm x 140mm WOOD STUDS @ 400mm O.C.MINERAL WOOL INSULATION16mm GYPSUM WALL BOARD</div></div> <div><div>P2A</div><div>INTERIOR PARTITION – PLUMBING WALL<ul style="list-style-type: none">38mm x 90mm WOOD STUDS @ 400mm O.C.MINERAL WOOL INSULATION16mm GYPSUM WALL BOARD</div></div> <div><div>P2B</div><div>INTERIOR PARTITION – PLUMBING WALL<ul style="list-style-type: none">38mm x 90mm WOOD STUDS @ 400mm O.C.MINERAL WOOL INSULATION16mm SCHLUTER WATERPROOF KERDI-BOARD</div></div>

2100

WALL AND PARTITION SCHEDULE

0m1m2m3m4m5m

SCALE : 1:50

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PARKS CANADA
CAPE BRETON HIGHLANDS
NATIONAL PARK,
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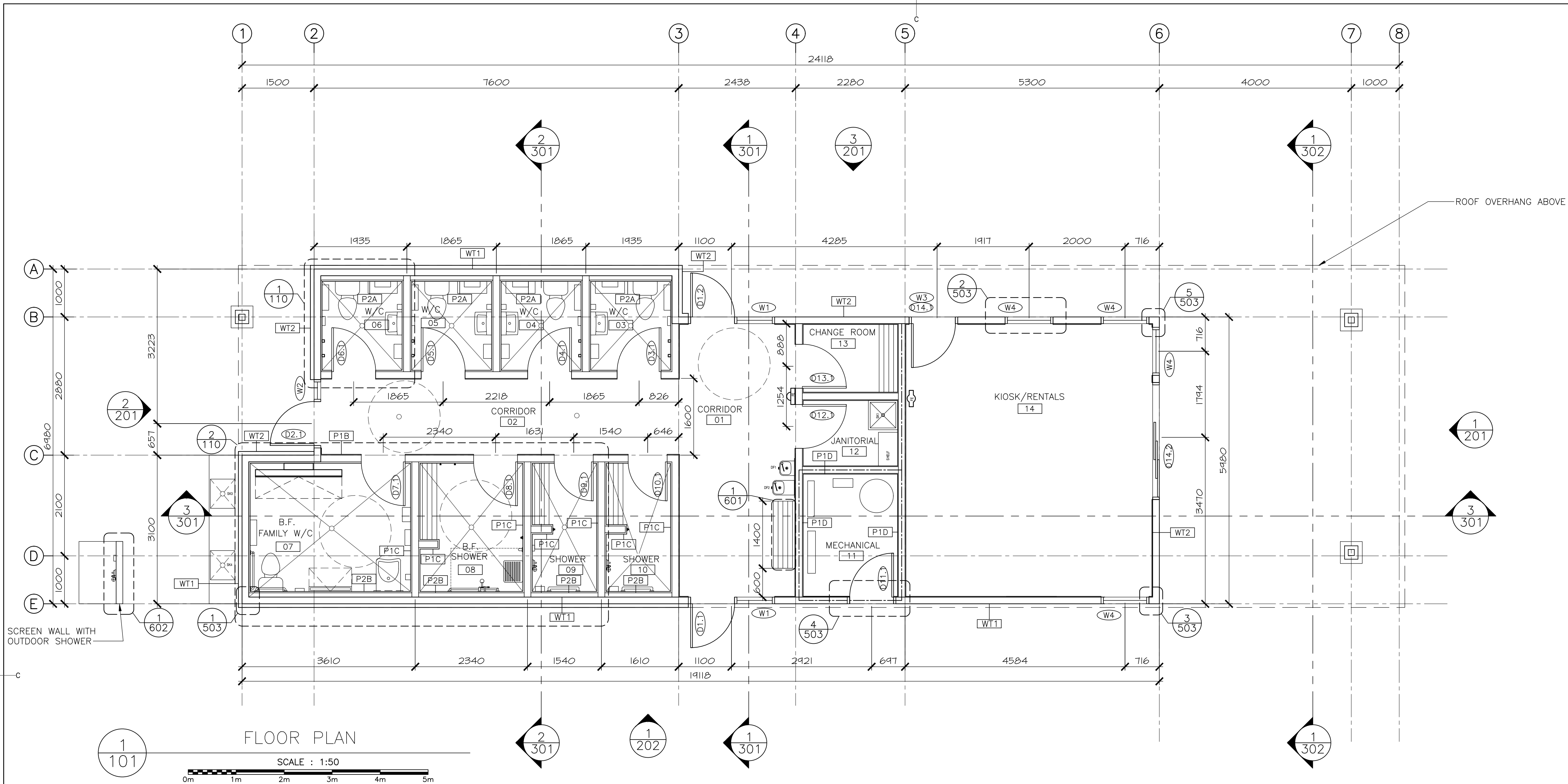
drawing dessin

NOTES & SCHEDULES

designed C.C. J.B. H.H.	conçu
date	
drawn J.B. A.P. K.H.	dessiné
date 2021	
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PARKS CANADA
CAPE BRETON HIGHLANDS
NATIONAL PARK,
INGONISH BEACH
WASHROOM AND KIOSK

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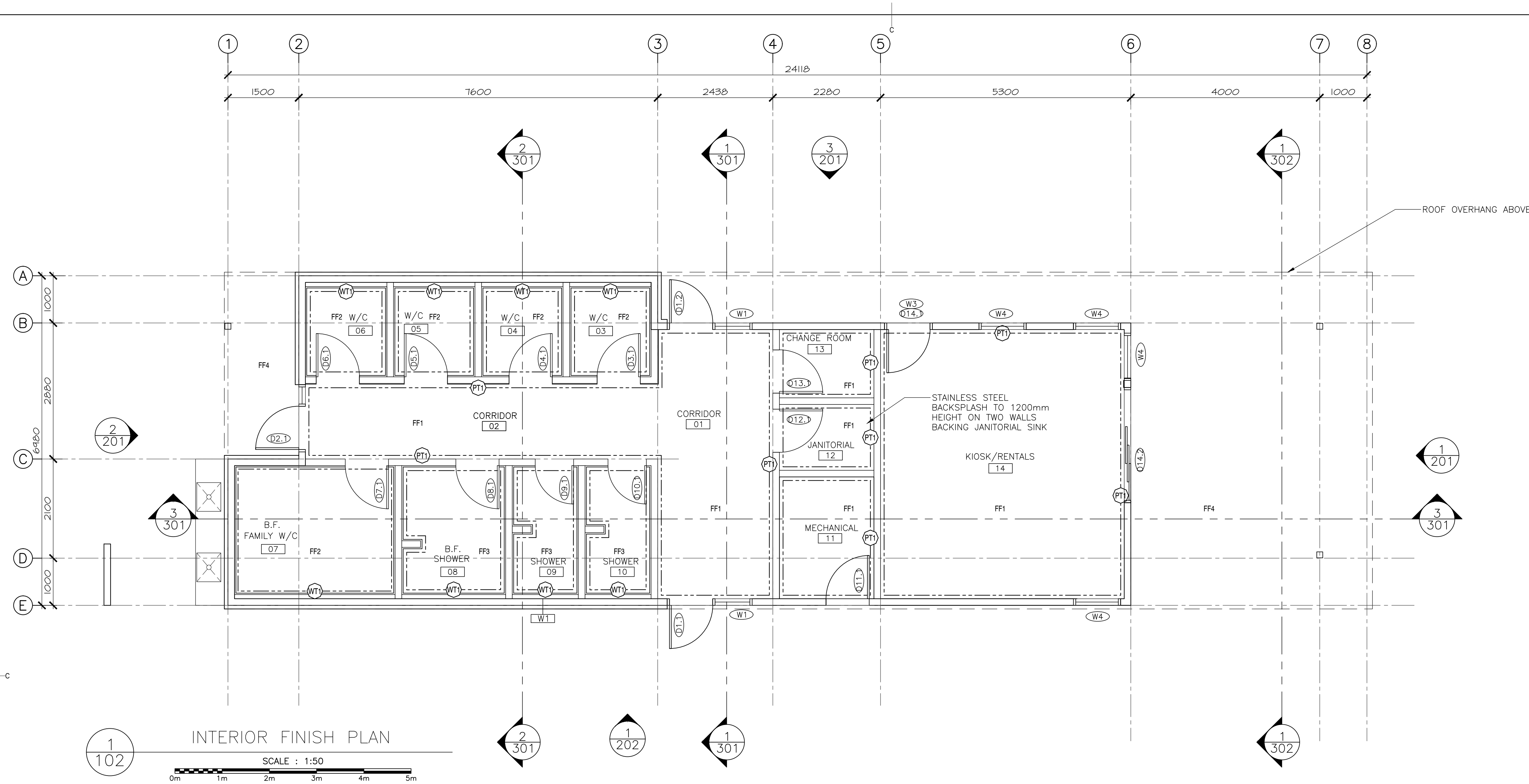
FLOOR PLAN

designed	C.C. J.B. H.H.	conçu
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drawn	J.B. A.P. K.H.	dessiné
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FLOOR PLAN LEGEND	
SYMBOL	DESCRIPTION
---	1HR FIRE RESISTANT RATED WALL
DF1	DRINKING FOUNTAIN - TYPICAL WALL MOUNTED
DF2	DRINKING FOUNTAIN - BARRIER FREE WALL MOUNTED
SK1	MOP SINK
FE	FIRE EXTINGUISHER



INTERIOR FINISH NOTES		INTERIOR FINISH LEGEND	
<p>1. PT1 FOR ALL WALLS, CEILINGS, TRIMS, U.N.O.</p> <p>2. PT2 FOR ALL INTERIOR DOORS AND DOOR FRAMES U.N.O.</p> <p>3. FOR ALL WASHROOMS (ROOMS 02, 03, 04, 05, 08)</p> <p>3.1. FLOORS TO BE FF2 FINISH, U.N.O.</p> <p>3.2. ALL WALLS TO BE FINISHED FULL HEIGHT WT1 WALL TILE, U.N.O.</p> <p>3.3. ALL TILE TRANSITIONS, INTERIOR AND EXTERIOR CORNERS AND TERMINATION AT DOOR FRAMES (TOP AND TWO SIDES) TO HAVE ANODIZED ALUMINUM TRANSITION STRIPS (SCHLUTER OR EQUIVALENT)</p> <p>4. FOR ALL SHOWERS (ROOMS 10, 11, 12)</p> <p>4.1. FLOORS TO BE FF3 FINISH, U.N.O.</p> <p>4.2. ALL WALLS TO BE FINISHED FULL HEIGHT WT1 WALL TILE, U.N.O.</p> <p>4.3. ALL TILE TRANSITIONS, INTERIOR AND EXTERIOR CORNERS, CEILINGS AND TERMINATION AT DOOR FRAMES (TOP AND TWO SIDES) TO HAVE ANODIZED ALUMINUM TRANSITION STRIPS (SCHLUTER OR EQUIVALENT).</p> <p>4.4. ALL WALLS TO BE WATERPROOF.</p> <p>5. PROVIDE BARRIER FREE TRANSITION STRIPS AT ALL FLOOR TRANSITIONS</p>		FLOOR FINISHES	
		SYMBOL	DESCRIPTION
		FF1	FLOOR: FINISHED CONCRETE FLOOR SLAB WITH HARDENER AND SEALANT BASE: 5" RUBBER BASE
		FF2	FLOOR: THROUGH-BODY PORCELAIN FLOOR TILE, SLIP RESISTANT DIMENSION: 300X300 OR 300X600 BASE: SCHLUTER OR SIMILAR ANODIZED ALUMINUM COVE FOR FLOOR TO WALL TRANSITION, WATERPROOF.
		FF3	FLOOR: THROUGH-BODY PORCELAIN FLOOR TILE, SLIP RESISTANT DIMENSION: 50X0 BASE: SCHLUTER OR SIMILAR ANODIZED ALUMINUM COVE FOR FLOOR TO WALL TRANSITION, WATERPROOF.
		FF4	FLOOR: BRUSHED SIDEWALK FINISH
		WALL FINISHES	
		SYMBOL	DESCRIPTION
		PT1	FIELD PAINT - WALLS & CEILINGS MANUFACTURER: BENJAMIN MOORE COLOR: PM-1 SUPER WHITE FINISH: SATIN - ALL WALL AND CEILING SURFACES SEMI-GLOSS - ALL DECORATIVE TRIM, WINDOW FRAMES & CASING, AND DOORS & DOOR FRAMES TO BE PAINTED.
		PT2	ACCENT PAINT - INT. DOORS & FRAMES MANUFACTURER: BENJAMIN MOORE COLOR: LIGHT GREY FINISH: SEMI-GLOSS - ALL INTERIOR DOORS & DOOR FRAMES
		WT1	LARGE FORMAT THROUGH-BODY PORCELAIN WALL TILE MANUFACTURER: OLYMPIA TILE COLLECTION: UNICOLOR COLOR: SUPER WHITE FINISH: POLISHED DIMENSION: 300mm X 600mm INSTALLATION: STACK BOND, VERTICAL ORIENTATION. FLOOR TO CEILING GROUT: BONE (Flextile), 3mm NOTE: ALIGN WALL AND FLOOR GROUT LINES

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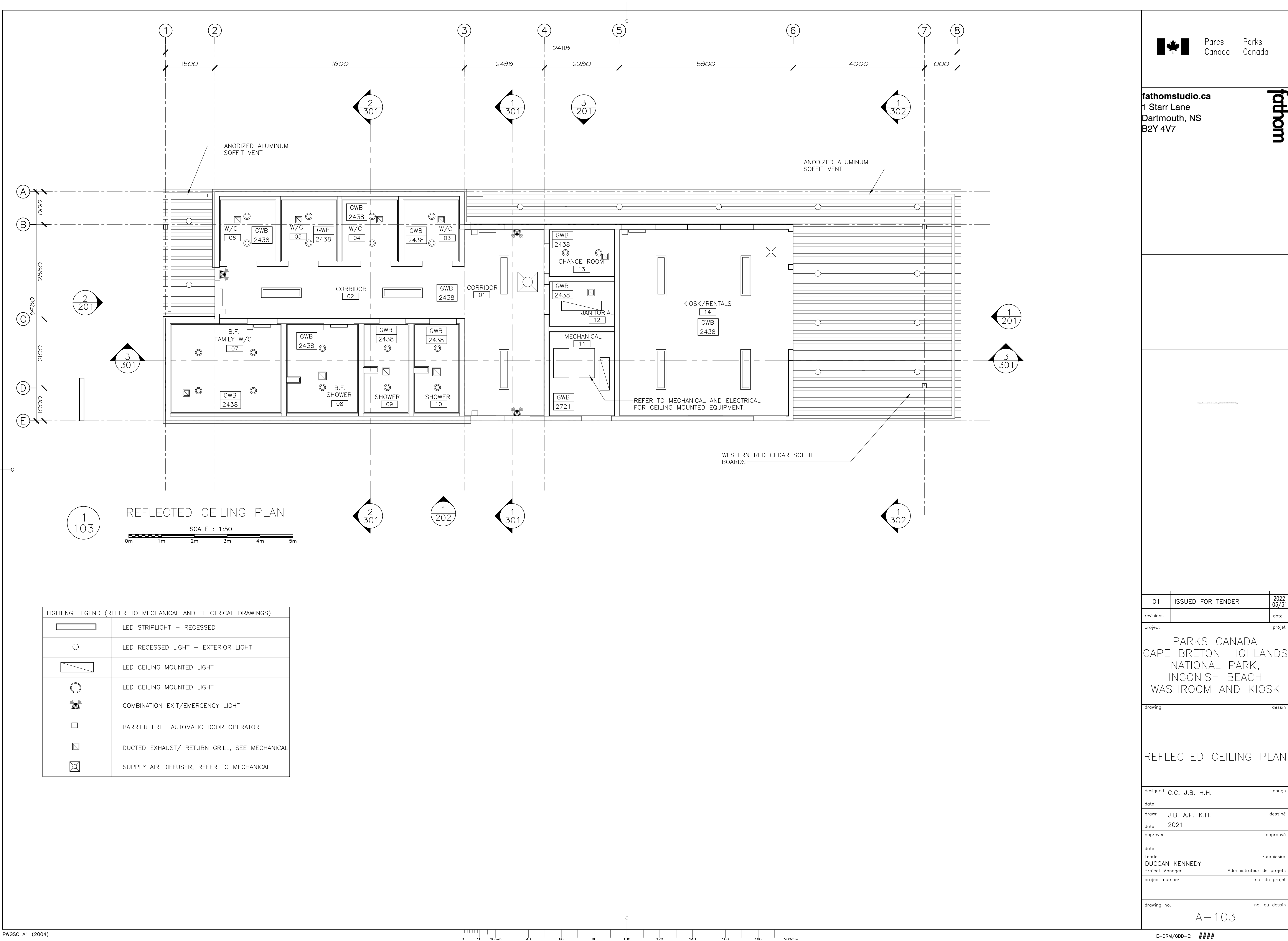
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INTERIOR FINISH PLAN

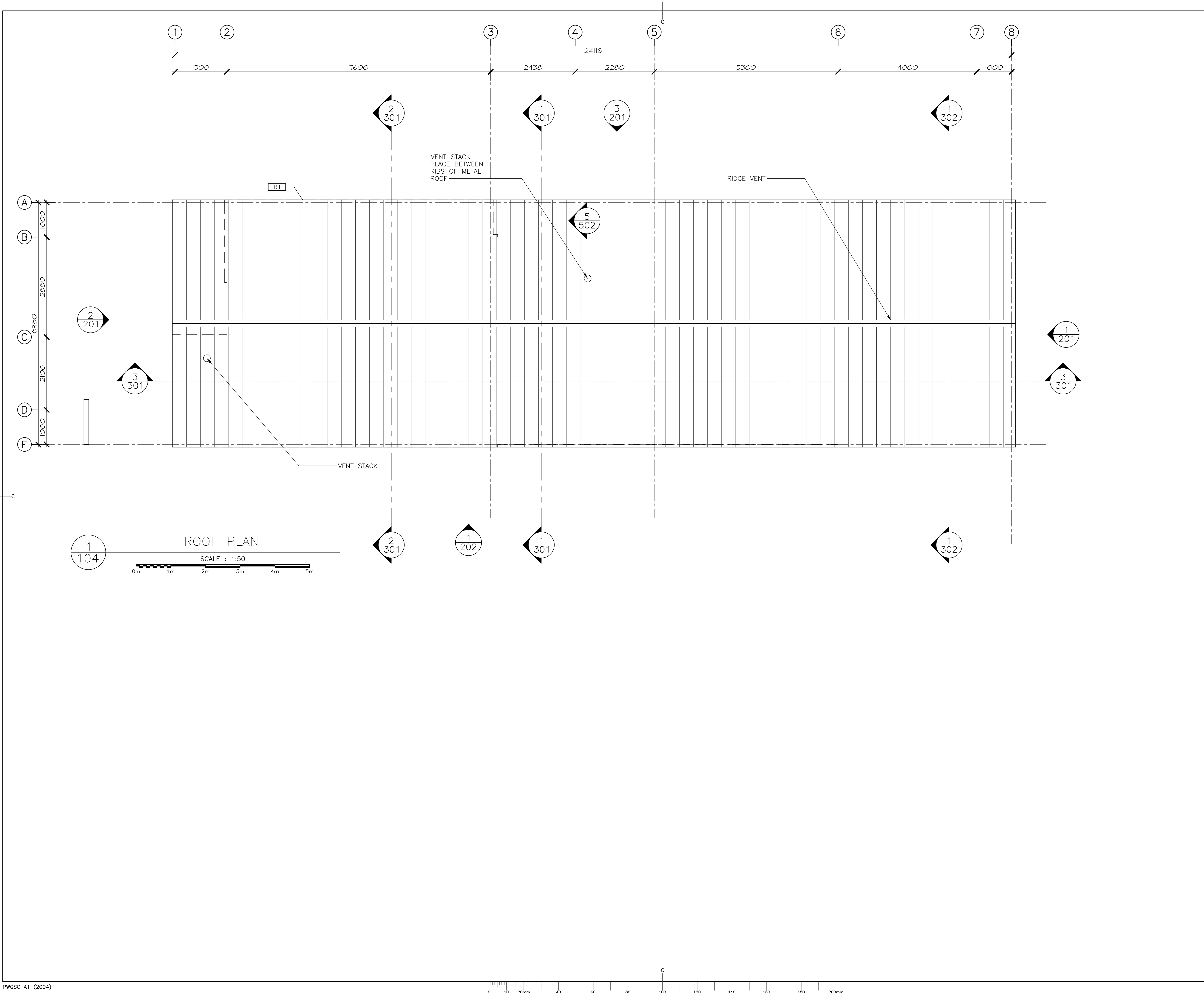
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date 2021	
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A-102



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PARKS CANADA CAPE BRETON HIGHLANDS NATIONAL PARK, INGONISH BEACH WASHROOM AND KIOSK		
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REFLECTED CEILING PLAN		
designed	C.C. J.B. H.H.	conçu
date		
drawn	J.B. A.P. K.H.	dessiné
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date		
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E=DRM/GDD-E: ####		





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ROOF PLAN		
designed	C.C. J.B. H.H.	conçu
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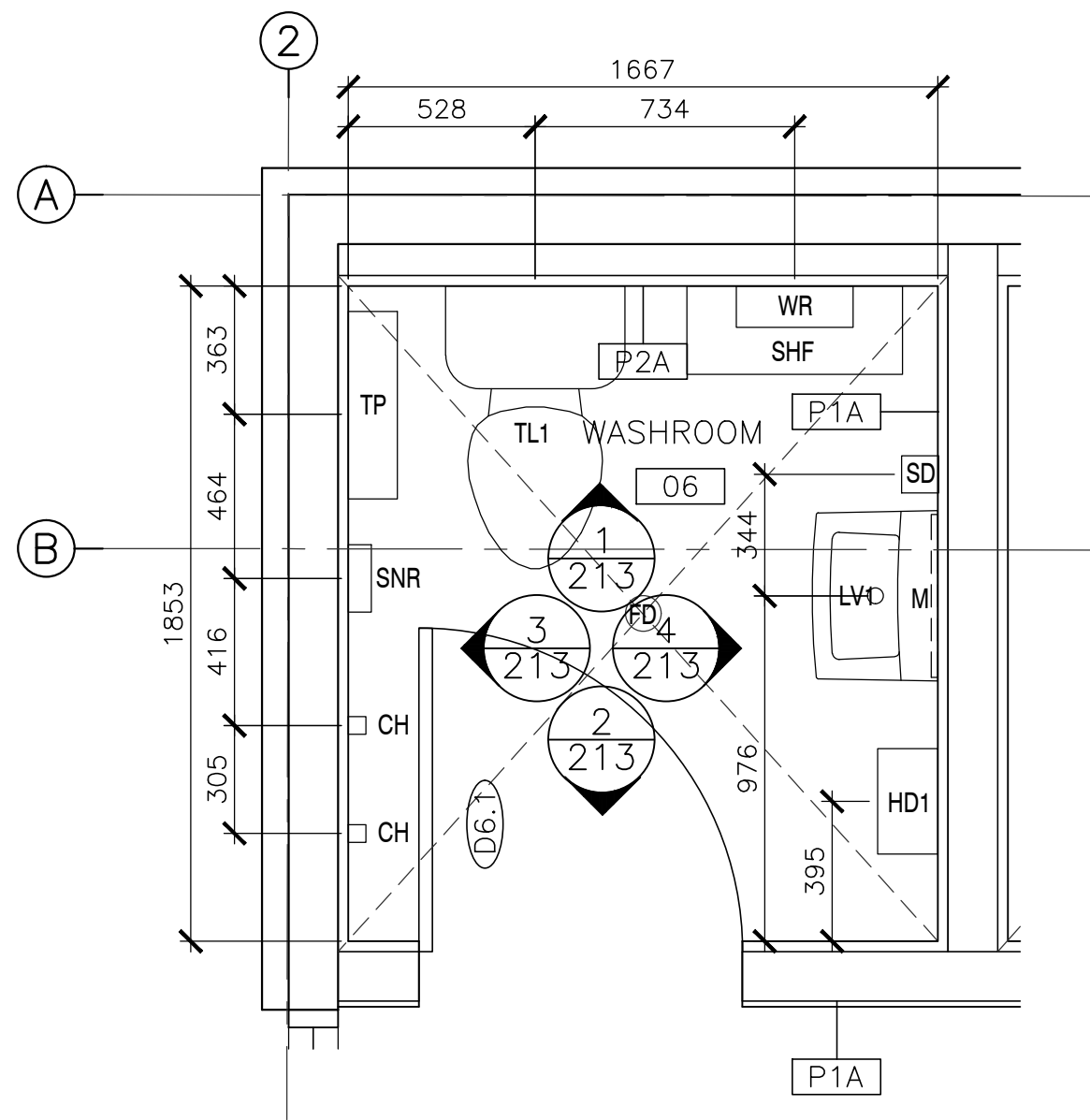
ENLARGED PLANS –
WASHROOMS & SHOWERS

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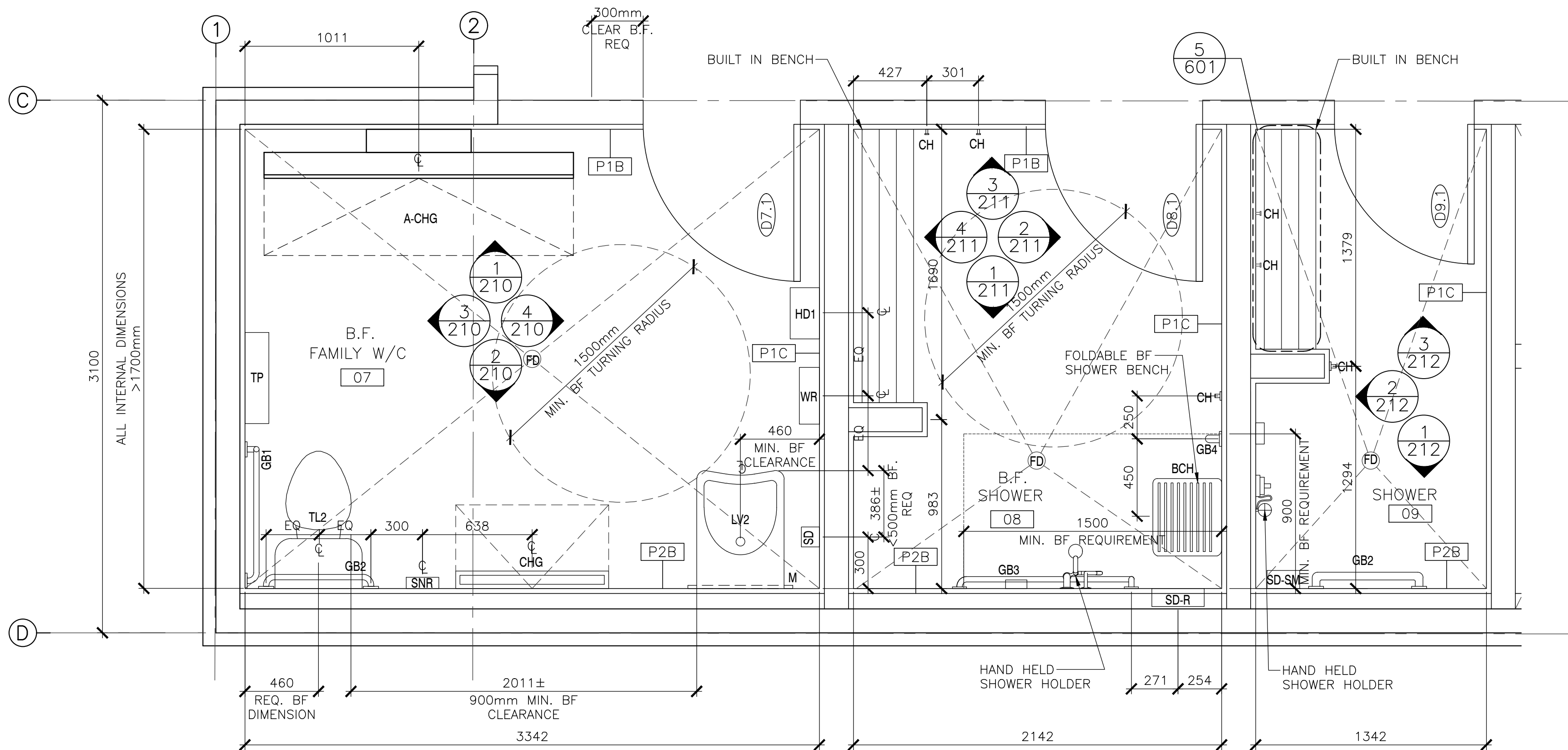
drawing no.	no. du dessin
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A-110

WASH CLOSET AND SHOWER ACCESSORIES:					
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
M	WALL MIRROR 610mm X 1220 X 19mm ONE-PIECE ROLL FORMED CONSTRUCTION CONCEALED MOUNTING TEMPERED GLASS CENTERED ON SINK BELOW 1000mm AFF MOUNTING HEIGHT FOR BARRIER FREE WASHROOMS (ROOMS 05,08)	GB4	VERTICAL SHOWER GRAB BAR – 1220mm 1000mm MIN. WIDTH SURFACE MOUNT STAINLESS STEEL, SATIN FINISH MOUNTED 600mm AFF MOUNTED 80mm FROM SHOWER ENTRANCE	BCH	BENCH – FOLDING, BARRIER FREE 455mmW X 400mmD (450mm X 400 MIN. DIMENSIONS) STAINLESS STEEL FRAME C/W SOLID PHENOLIC SEAT, IVORY 460mm AFF MOUNTING HEIGHT
SD	SOAP DISPENSER 118mmW X 268mmH X 106mmD SURFACE MOUNTED FOAM TANK MANUALLY OPERATED STAINLESS STEEL, SATIN FINISH 1100mm AFF MOUNTING HEIGHT LOCATE <500mm FROM FRONT OF LAVATORY	TP	TOILET PAPER DISPENSER 530mmW X 290mmH X 135mmD TWIN JUMBO ROLL HOLDER SURFACE MOUNTED STAINLESS STEEL, SATIN FINISH EDGE OF DISPENSER MOUNTED 300mm FROM FRONT OF WATER CLOSET 600mm AFF MOUNTING HEIGHT	HD1	HAND DRYER SURFACE MOUNT 322mmH X 298mmW x 170mmD BRUSHED STAINLESS STEEL 889mm AFF MOUNTING HEIGHT FOR BF
WR	WASTE RECEPTACLE 440mmW X 1018mmH X 212mmD RECESSED MOUNT STAINLESS STEEL, SATIN FINISH 1220mm AFF TYPICAL MOUNTING HEIGHT BF	SNR	FEMININE NAPKIN DISPOSAL BIN 190mmW X 250mmH X 95mmD SURFACE MOUNTED STAINLESS STEEL, SATIN FINISH	HD2	HAND DRYER, BARRIER FREE RECESSED 512.8mmH X 242.6mmW x 181mmD STAINLESS STEEL 889mm AFF MOUNTING HEIGHT FOR BF
GB1	90° GRAB BAR – 762mm 762mm HORIZONTAL & VERTICALS SURFACE MOUNT STAINLESS STEEL, SATIN FINISH HORIZONTAL MOUNTED 840mm AFF VERTICAL MOUNTED 150mm FROM FRONT OF WATER CLOSET	SHF	WALL SHELF 610mmW X 250mmD SURFACE MOUNTED STAINLESS STEEL, SATIN FINISH 1200mm AFF MOUNTING HEIGHT	SD-R	SOAP DISH – RECESSED, BARRIER FREE LARGE / TO ACCOMMODATE SOAP AND SHAMPOO BOTTLE 125mmH X 145mmW X 70mmD STAINLESS STEEL MOUNTING HEIGHT FOR BF
GB2	HORIZONTAL GRAB BAR – 610mm 600mm MIN. WIDTH SURFACE MOUNT STAINLESS STEEL, SATIN FINISH MOUNTED 840mm AFF CENTERED ON WATER CLOSET	CH	COAT HOOKS – SINGLE ROBE HOOK 50mm X 50mm FLANGE 40mm X 20mm HOOK MAX. 50mm PROJECTION FROM WALL 1500mm AFF TYPICAL MOUNTING HEIGHT 1200mm AFF MOUNTING HEIGHT FOR BARRIER FREE WASHROOMS (ROOMS 05,08) SURFACE MOUNTED STAINLESS STEEL, SATIN FINISH	SD-SM	SOAP DISH – SURFACE MOUNT 50mmH X 110mmW X 85mmD STAINLESS STEEL
GB3	90° SHOWER GRAB BAR L-SHAPED 1000mm MIN. HORIZONTAL & 750mm MIN. VERTICAL SURFACE MOUNT STAINLESS STEEL, SATIN FINISH HORIZONTAL MOUNTED 840mm AFF VERTICAL MOUNTED 500mm FROM ADJACENT WALL	CHG	BABY CHANGING STATION 892mm X 102mmD X 508mmH HORIZONTAL SURFACE MOUNTED BF 838mm AFF (TOP OF THE CHANGING SURFACE) MOUNTING HEIGHT POLYPROPYLENE WITH STEEL CHASSIS	A-CHG	ADULT CHANGING TABLE – SURFACE MOUNT 588mmH X 1632mmW X 543mmD
				GENERAL NOTE:	
				1. ROOMS # ALL FIXTURES /ACCESSORIES TO BE FOR BARRIER FREE USE (NS BUILDING CODE, NBC CANADA, CAN/CSA-B651-17)	
				2. ALL BARRIER FREE WASHROOM/SHOWER RM EQUIPMENT AND FIXTURES TO BE MOUNTED ACCORDING TO BARRIER FREE STANDARDS (NS BUILDING CODE, NBC CANADA, CAN/CSA-B651-17)	
				3. CONTRACTOR TO PROVIDE ADEQUATE BLOCKING FOR ALL WALL MOUNTING EQUIPMENT AND FIXTURES.	
				4. ALL NON BARRIER FREE WASHROOM, EXCLUDING THE FAMILY WR, TO HAVE TYPICAL MOUNTING HEIGHTS (FOR ALL FIXTURES, ACCESSORIES)	



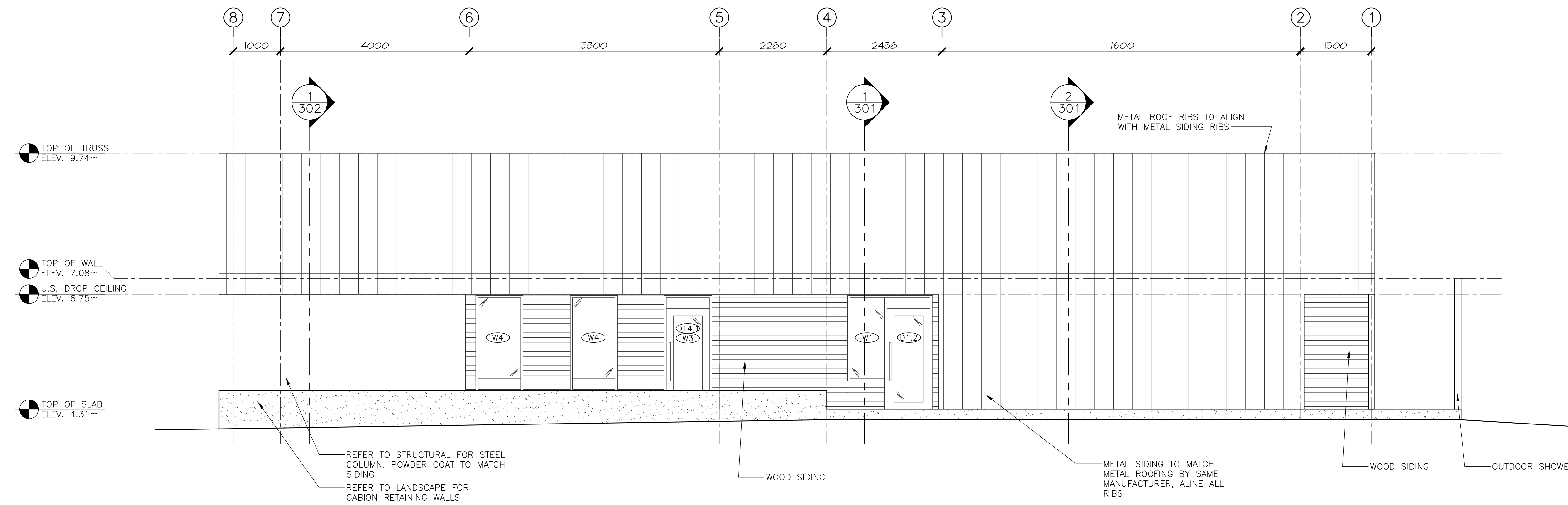
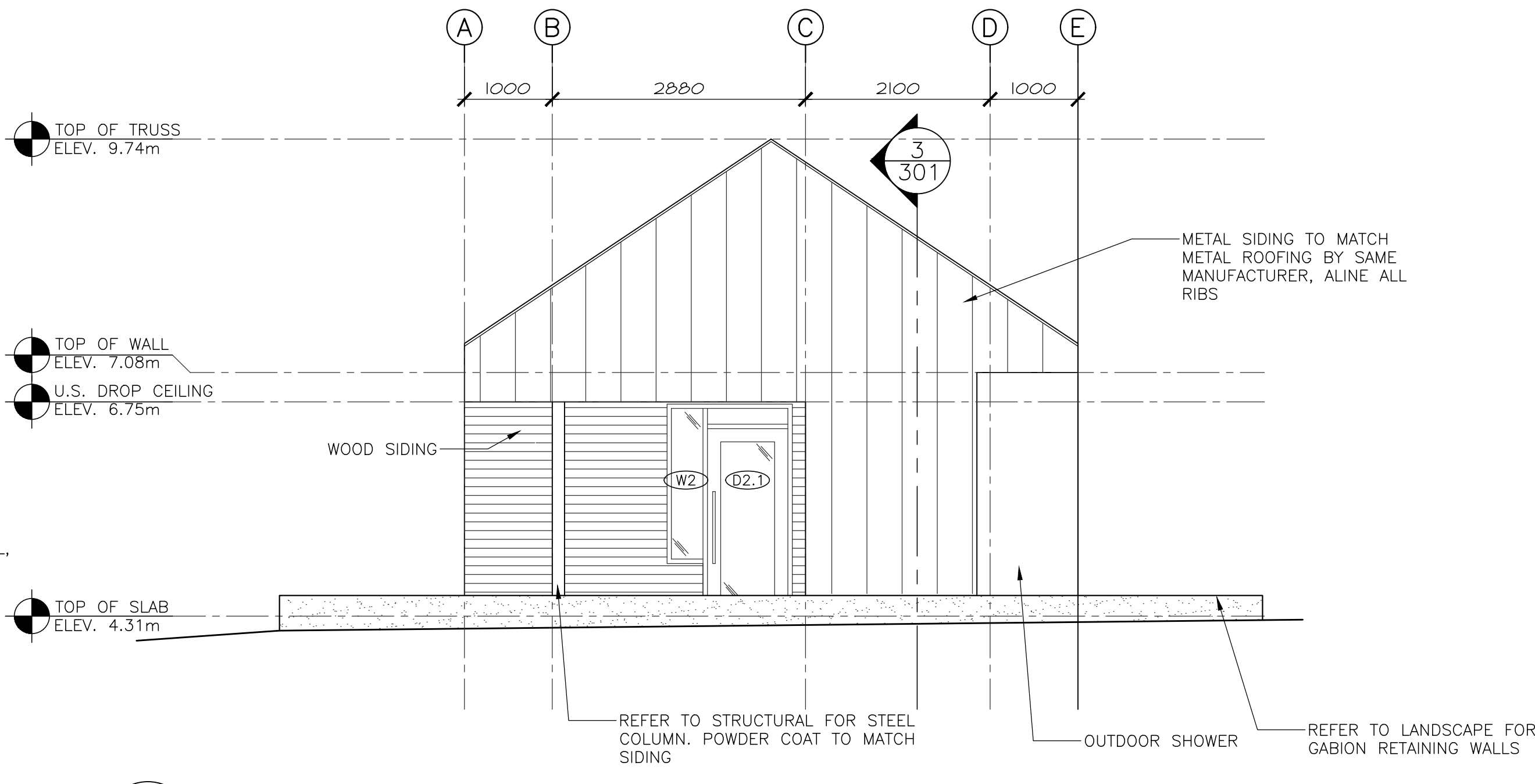
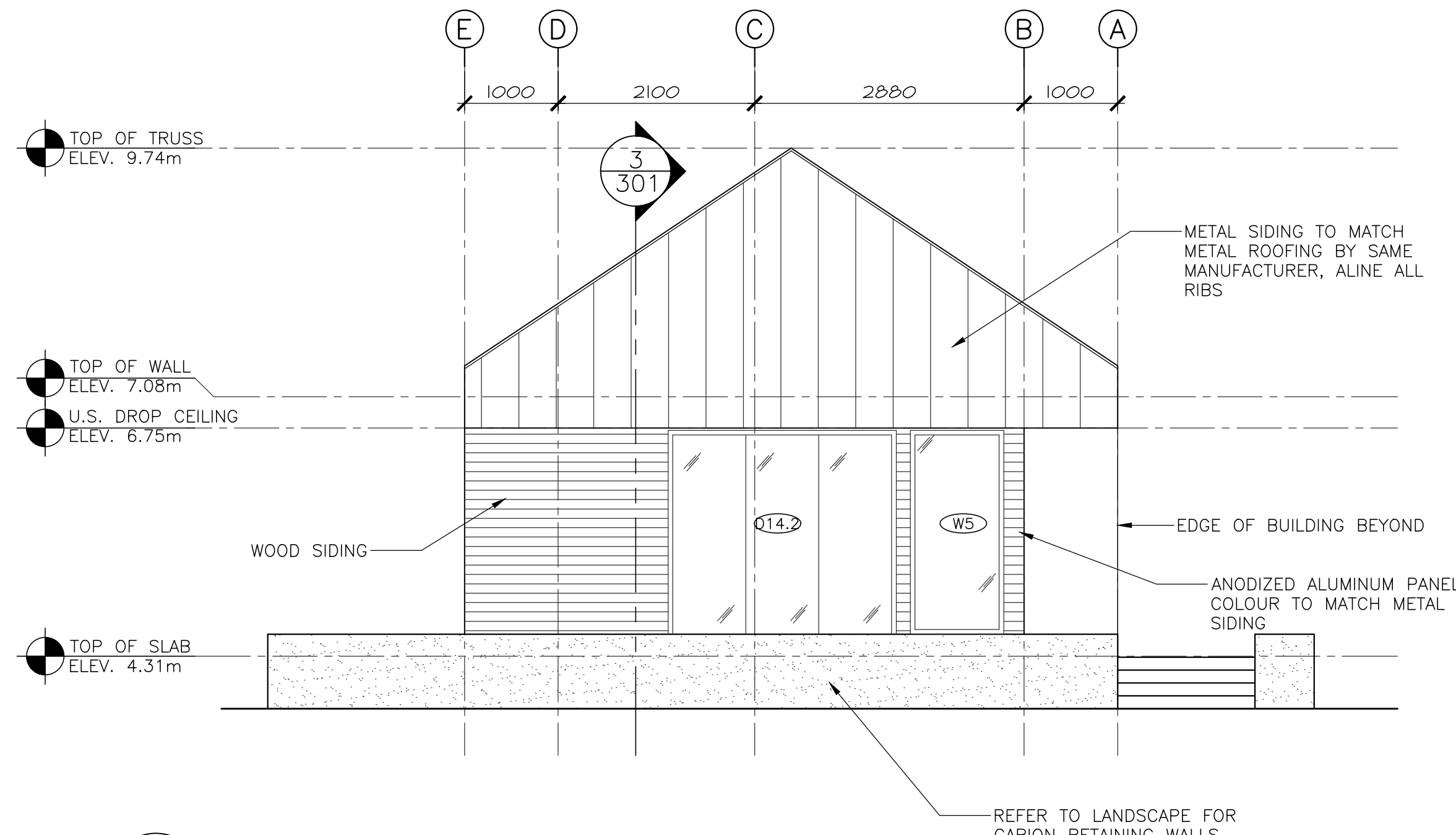
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SCALE : 1:20
0mm 500mm 1000mm 1500mm 2000mm 2500mm



2 B.F. WATER CLOSET, B.F. SHOWER ROOM & TYPICAL SHOWER ROOMS – PLANS
SCALE : 1:20
0mm 500mm 1000mm 1500mm 2000mm 2500mm

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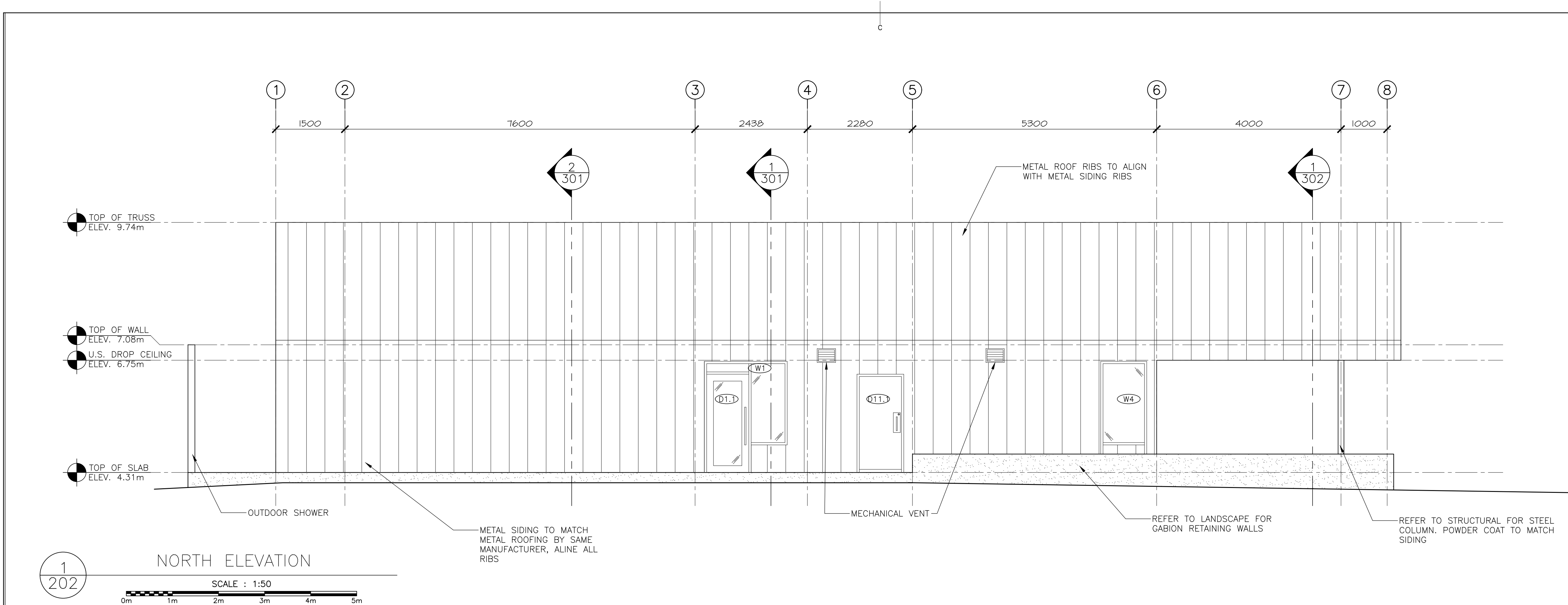
PARKS CANADA
CAPE BRETON HIGHLANDS
NATIONAL PARK,
INGONISH BEACH
WASHROOM AND KIOSK

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BUILDING ELEVATIONS

designed	C.C. J.B. H.H.	conçu
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drawn	J.B. A.P. K.H	dessiné
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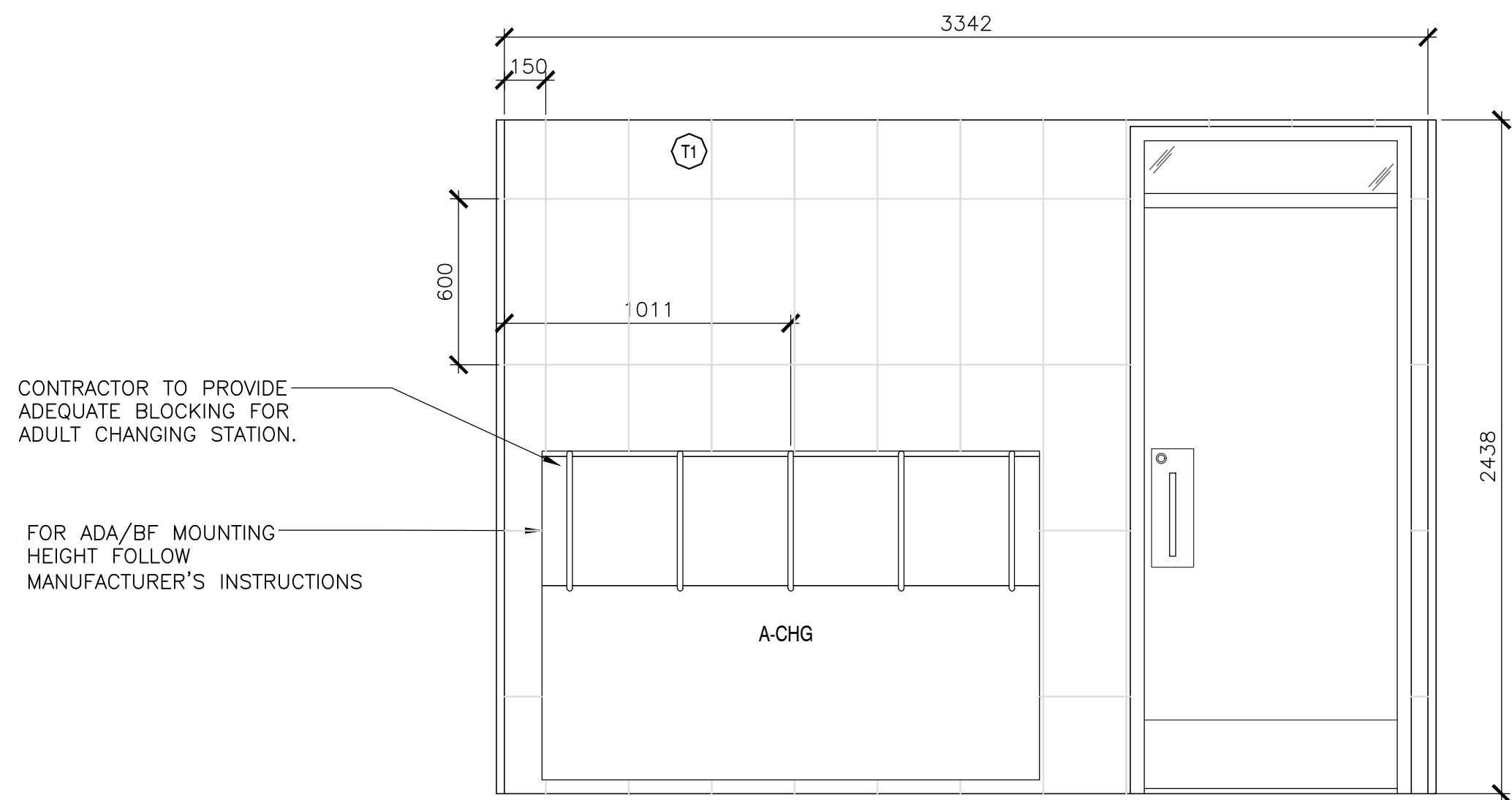
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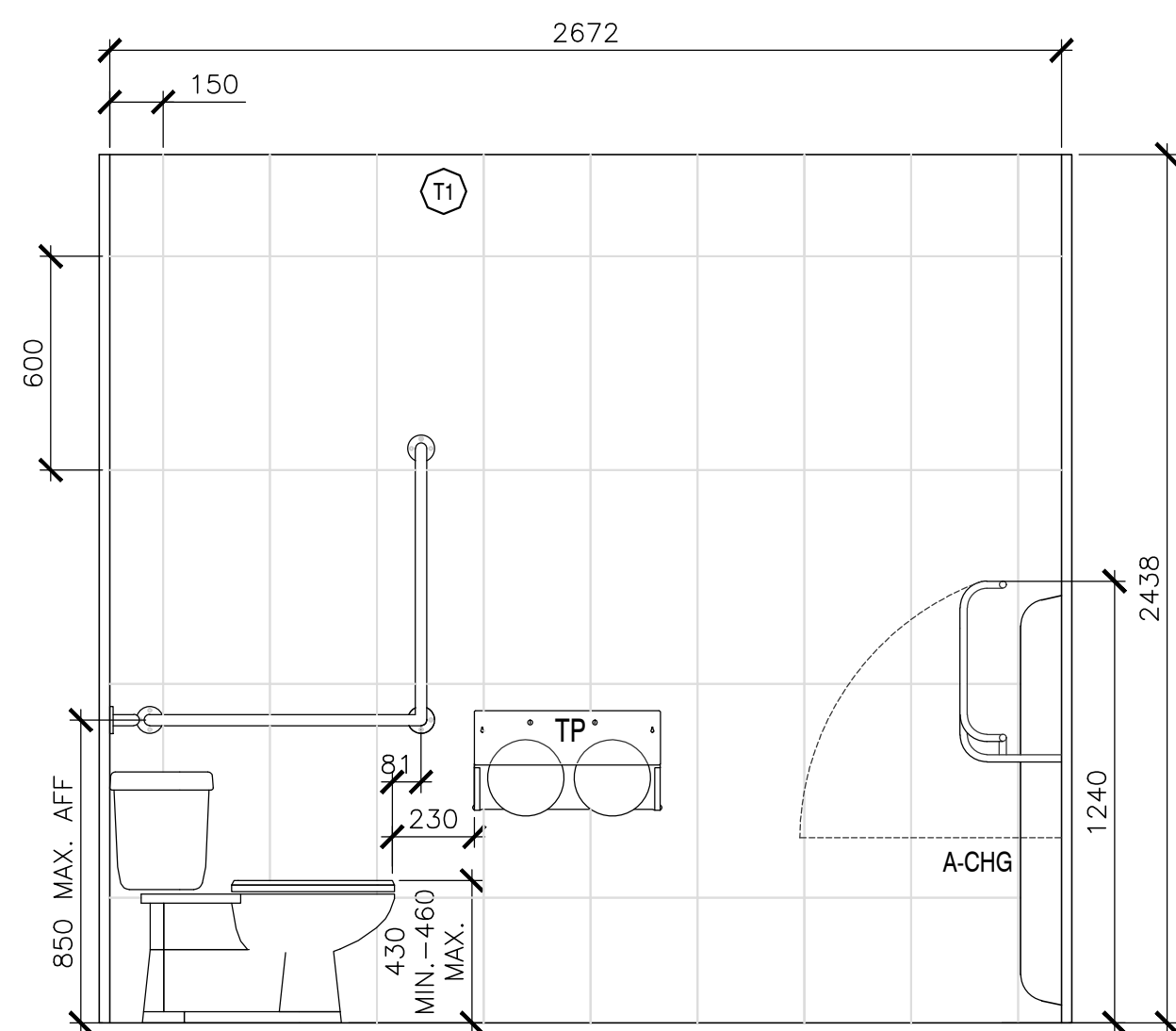
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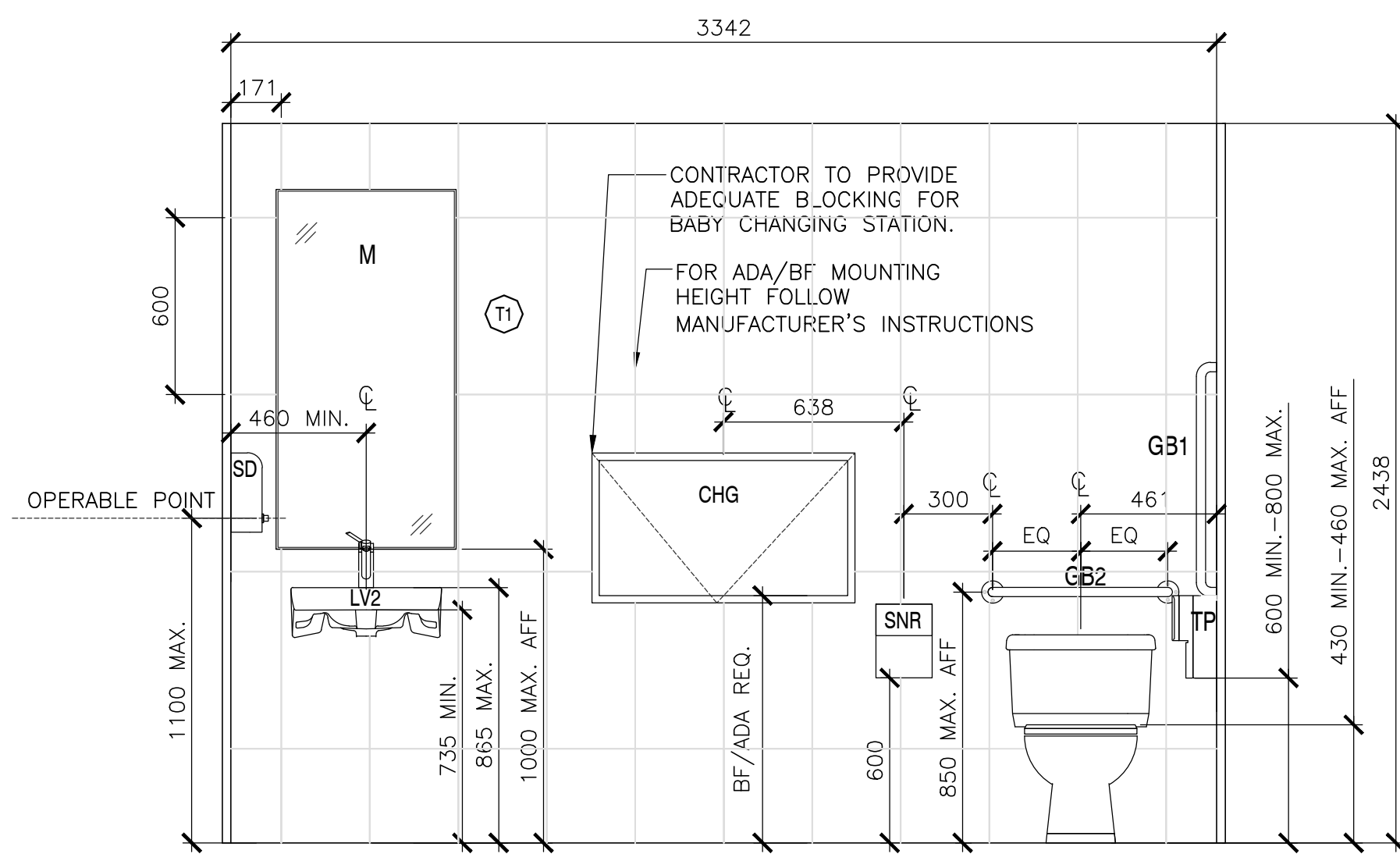
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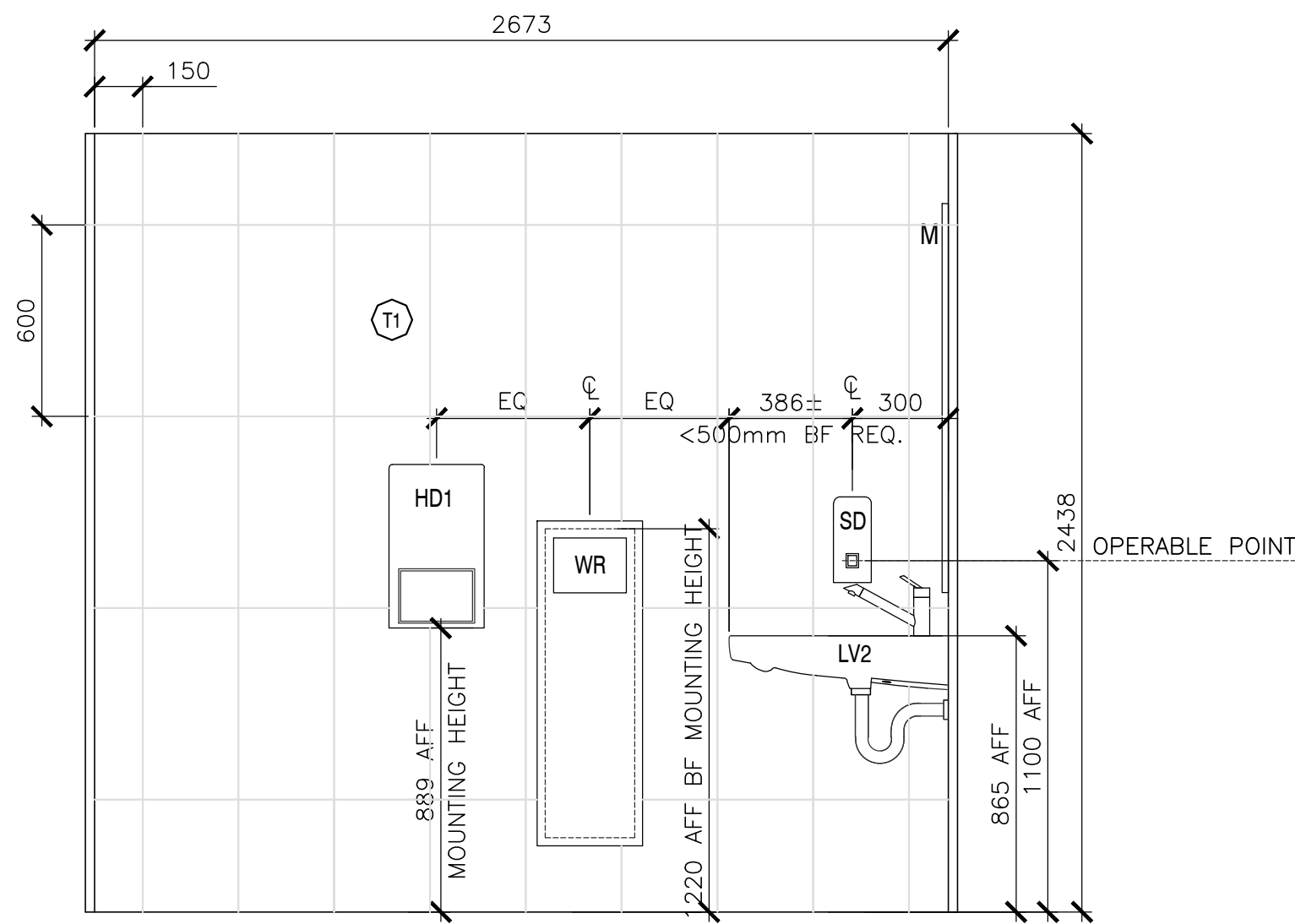
1 BF WR — INTERIOR ELEVATION 1
SCALE : 1:20
0mm 500mm 1000mm 1500mm 2000mm 2500mm



3 BF WR — INTERIOR ELEVATION 3
SCALE : 1:20
0mm 500mm 1000mm 1500mm 2000mm 2500mm



2 BF WR — INTERIOR ELEVATION 2
SCALE : 1:20
0mm 500mm 1000mm 1500mm 2000mm 2500mm



4 BF WR — INTERIOR ELEVATION 4
SCALE : 1:20
0mm 500mm 1000mm 1500mm 2000mm 2500mm

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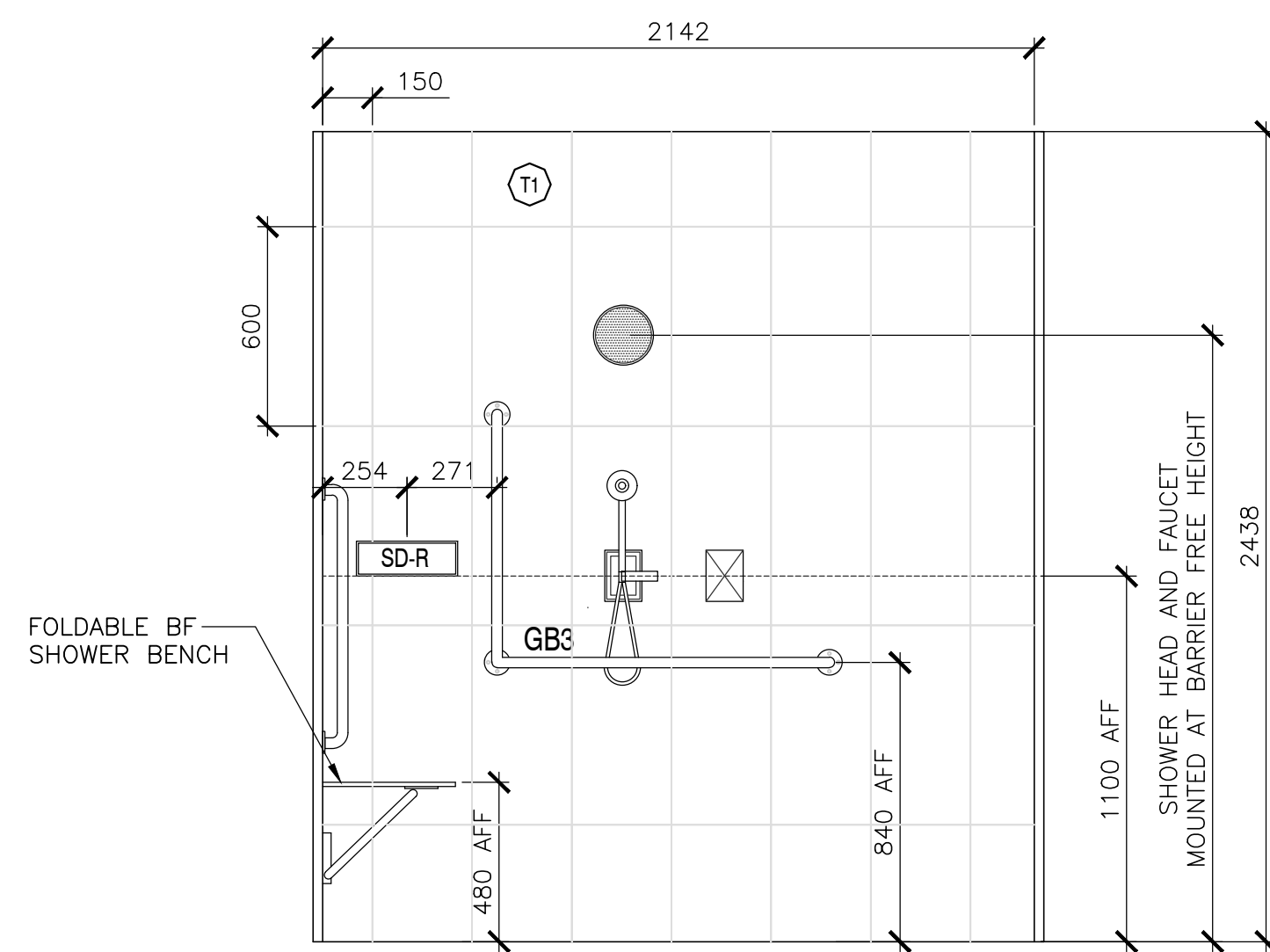
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INTERIOR ELEVATIONS

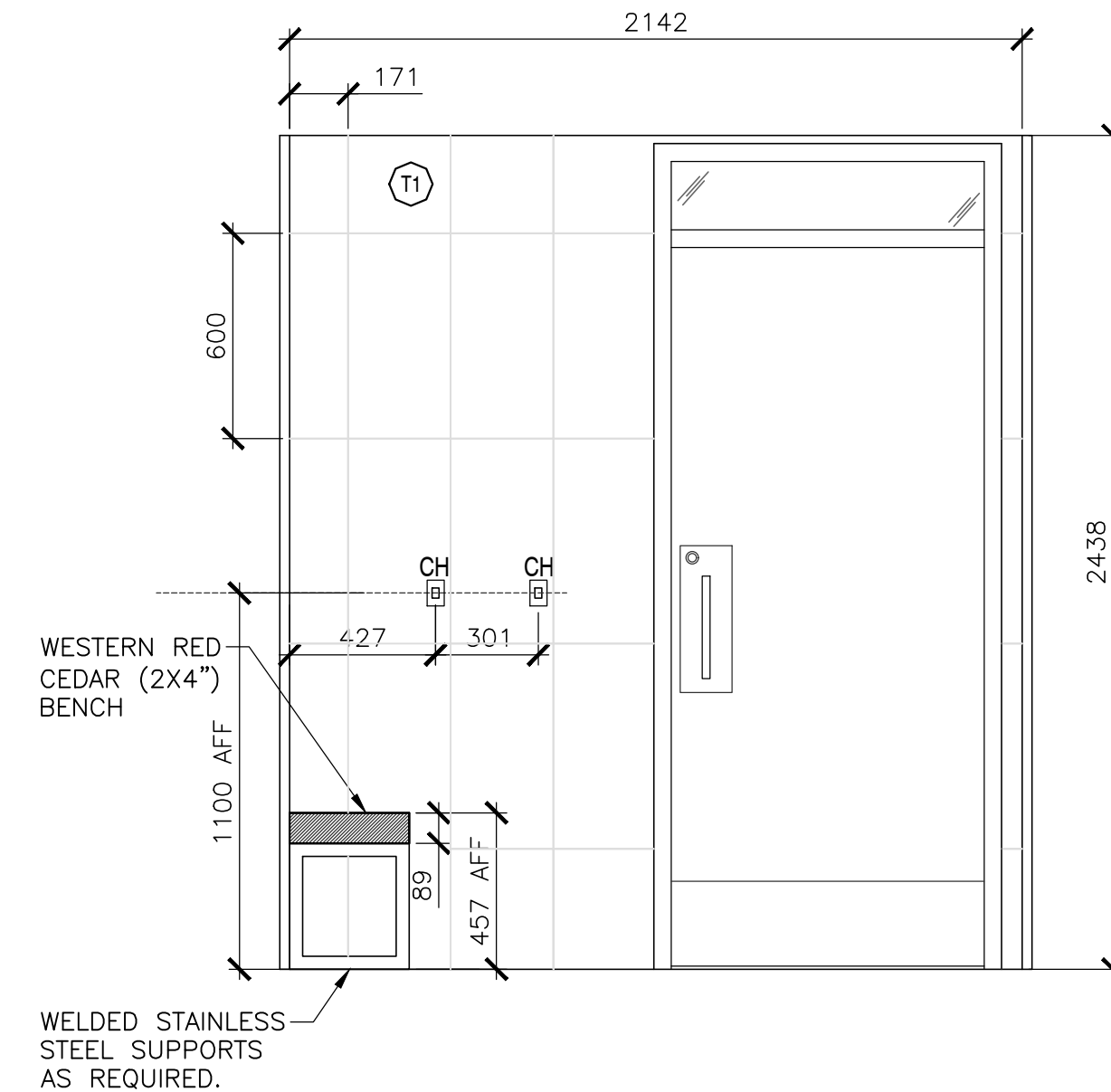
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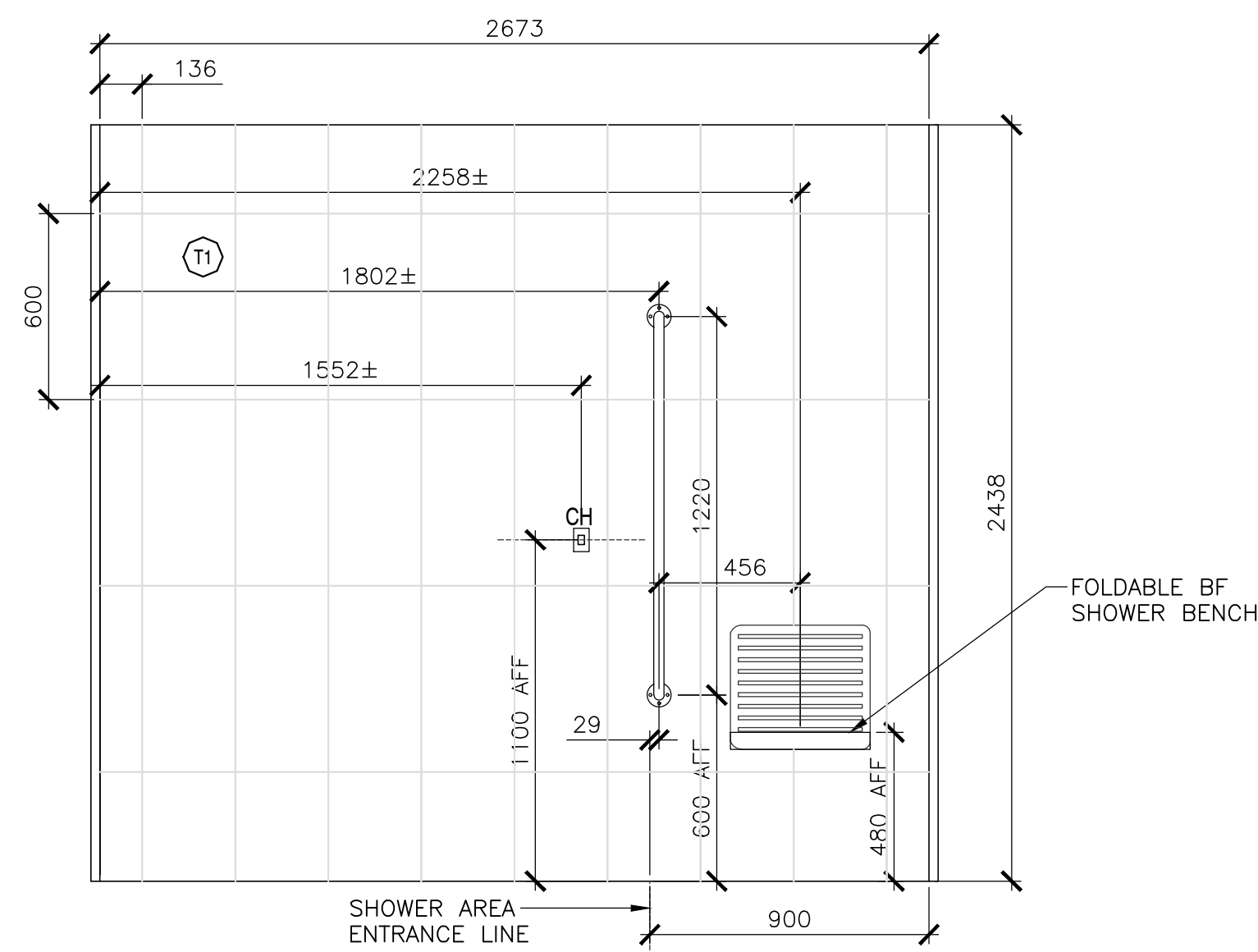
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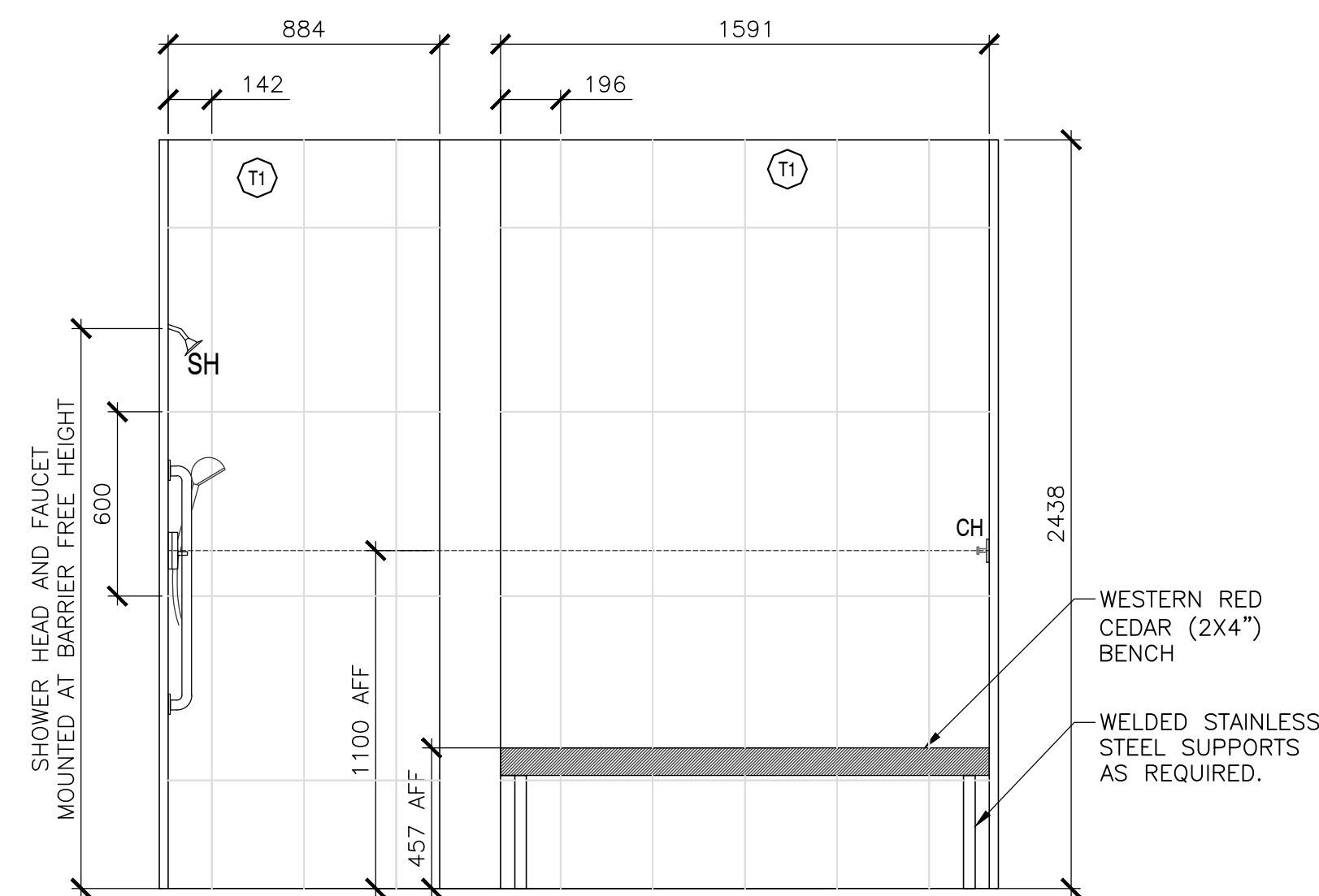
1
211 FAMILY WR-INTERIOR ELEVATION 1
SCALE : 1:20
0mm 500mm 1000mm 1500mm 2000mm 2500mm



3
211 FAMILY WR-INTERIOR ELEVATION 3
SCALE : 1:20
0mm 500mm 1000mm 1500mm 2000mm 2500mm



2
211 FAMILY WR-INTERIOR ELEVATION 2
SCALE : 1:20
0mm 500mm 1000mm 1500mm 2000mm 2500mm



4
211 FAMILY WR-INTERIOR ELEVATION 4
SCALE : 1:20
0mm 500mm 1000mm 1500mm 2000mm 2500mm

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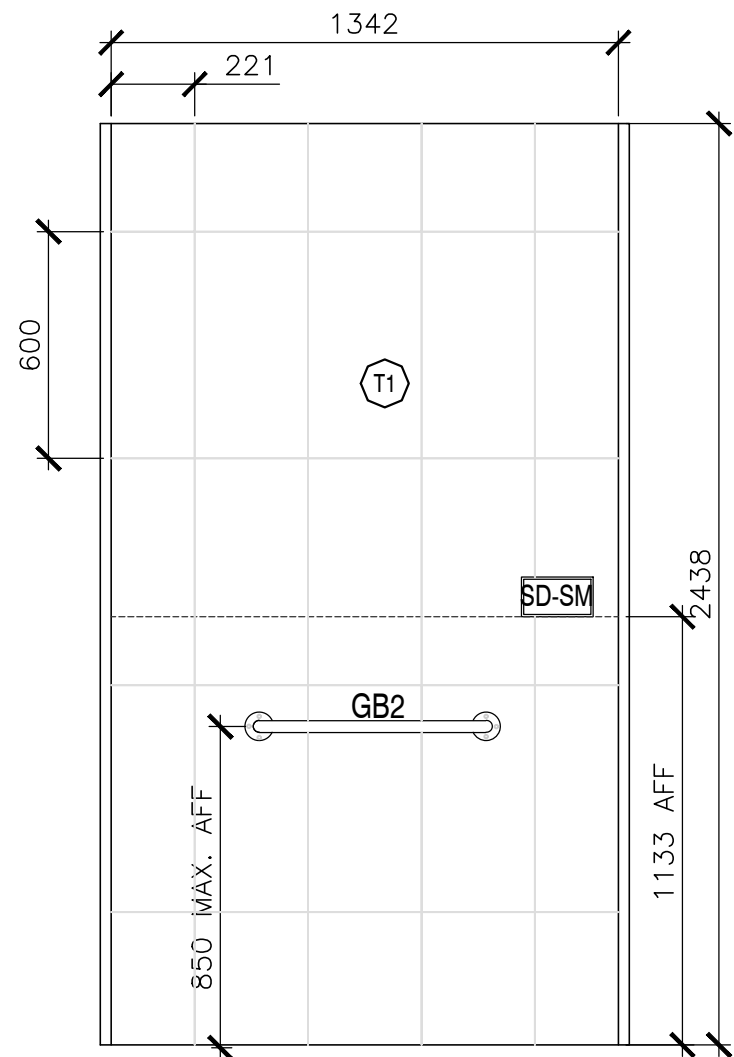
INTERIOR ELEVATIONS

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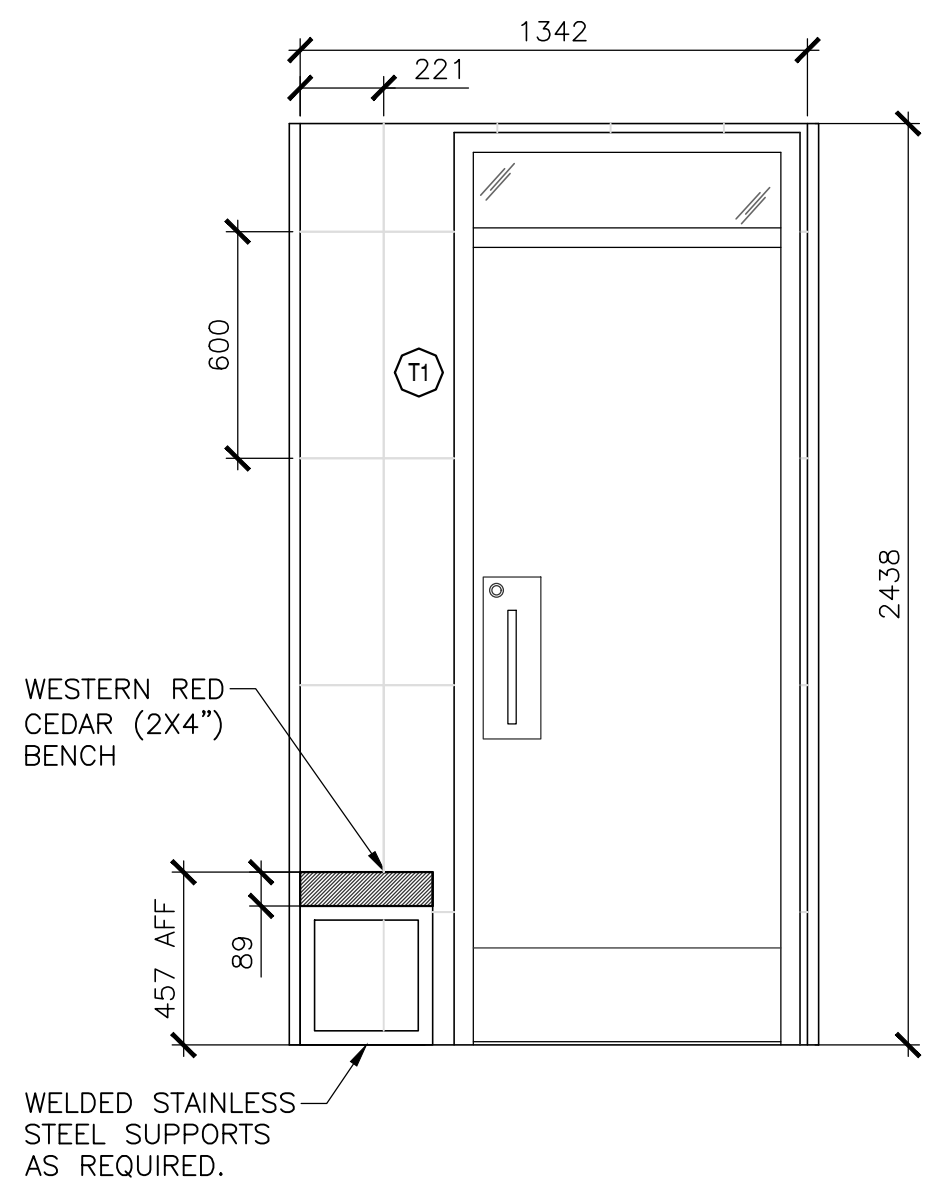
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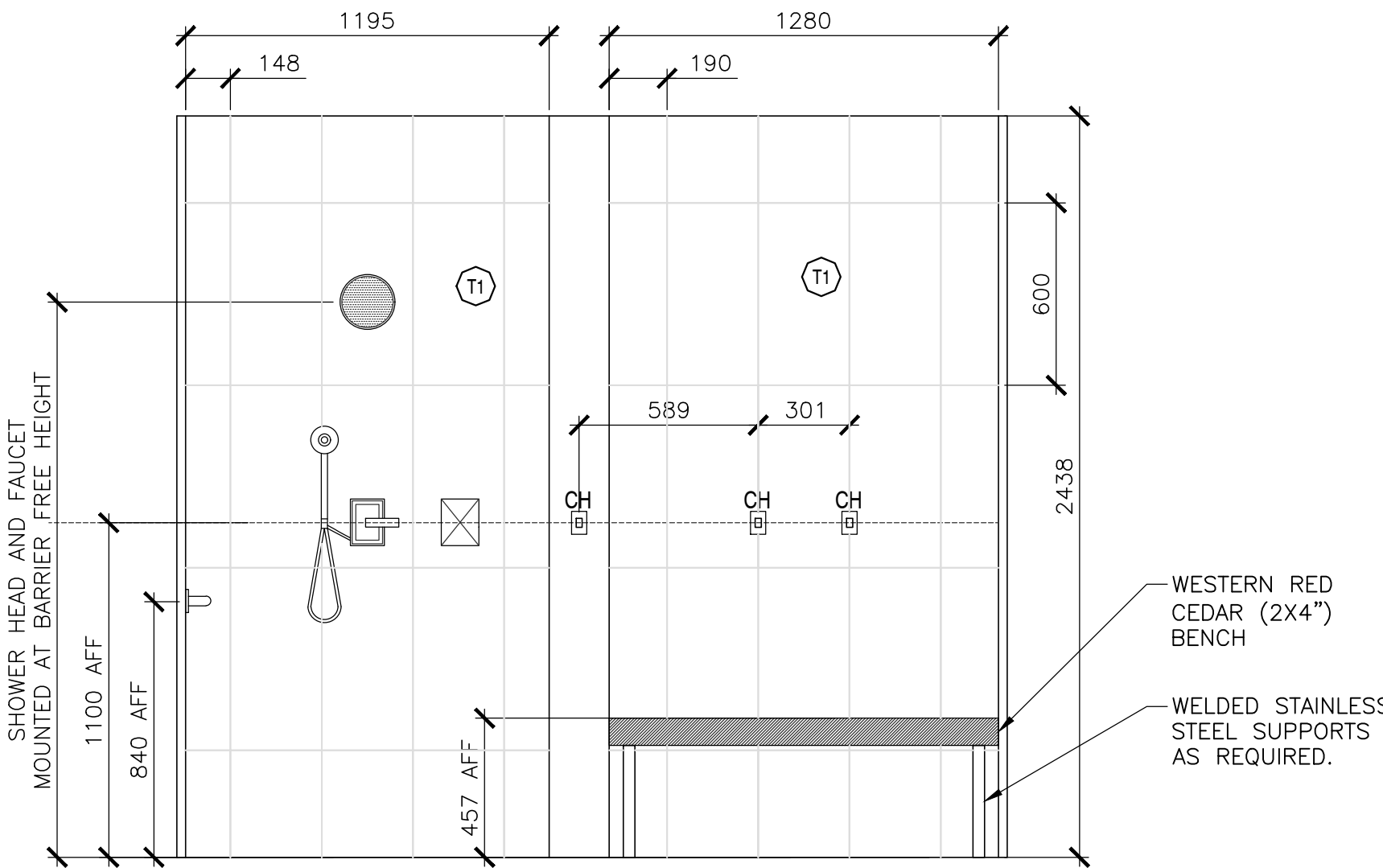
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1
212 BF SHOWER RM-INTER.ELEVATION 1
SCALE : 1:20
0mm 500mm 1000mm 1500mm 2000mm 2500mm



3
212 BF SHOWER RM-INTER.ELEVATION 3
SCALE : 1:20
0mm 500mm 1000mm 1500mm 2000mm 2500mm



2
212 BF SHOWER RM-INTER.ELEVATION 2
SCALE : 1:20
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INTERIOR ELEVATIONS

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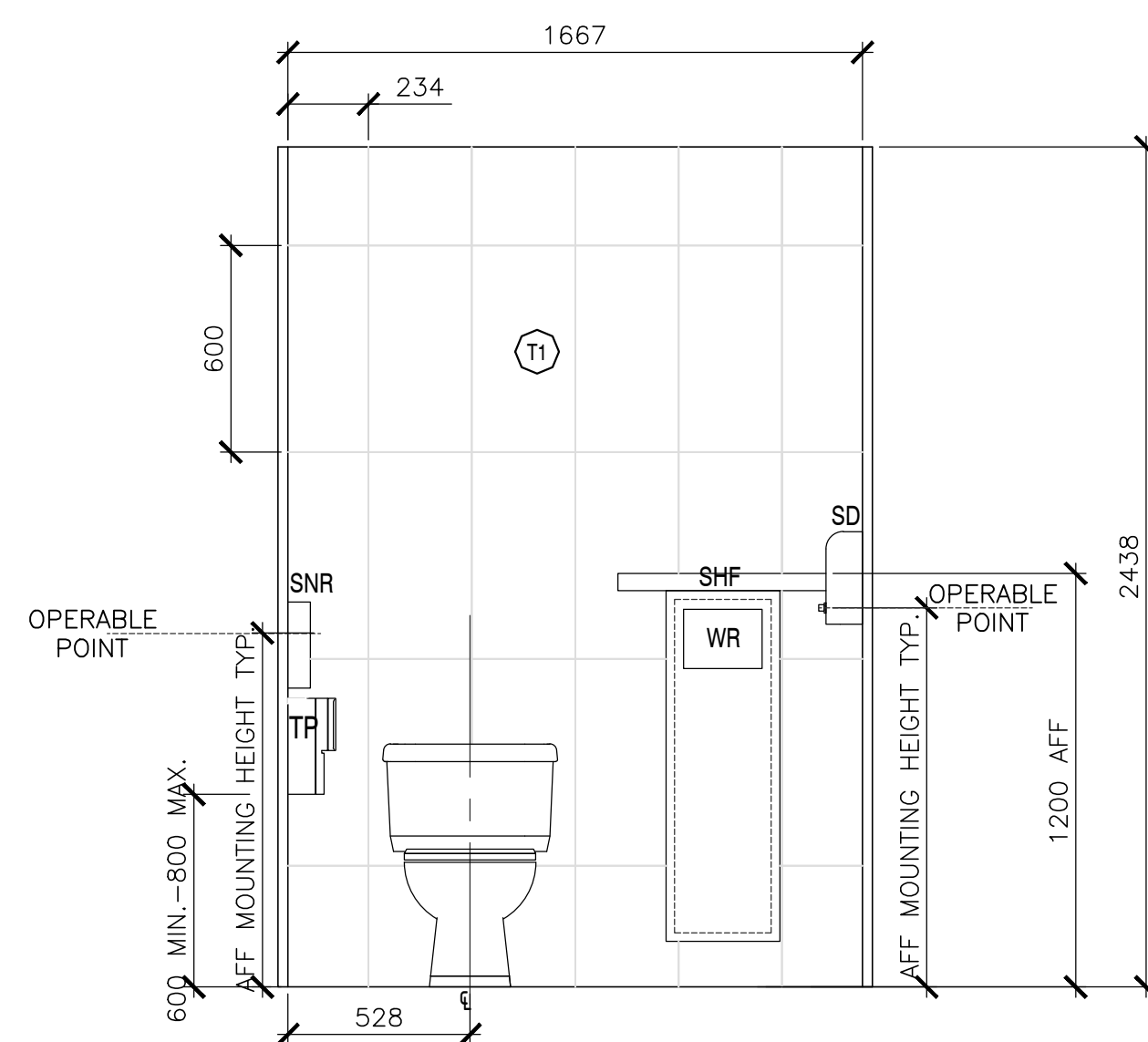
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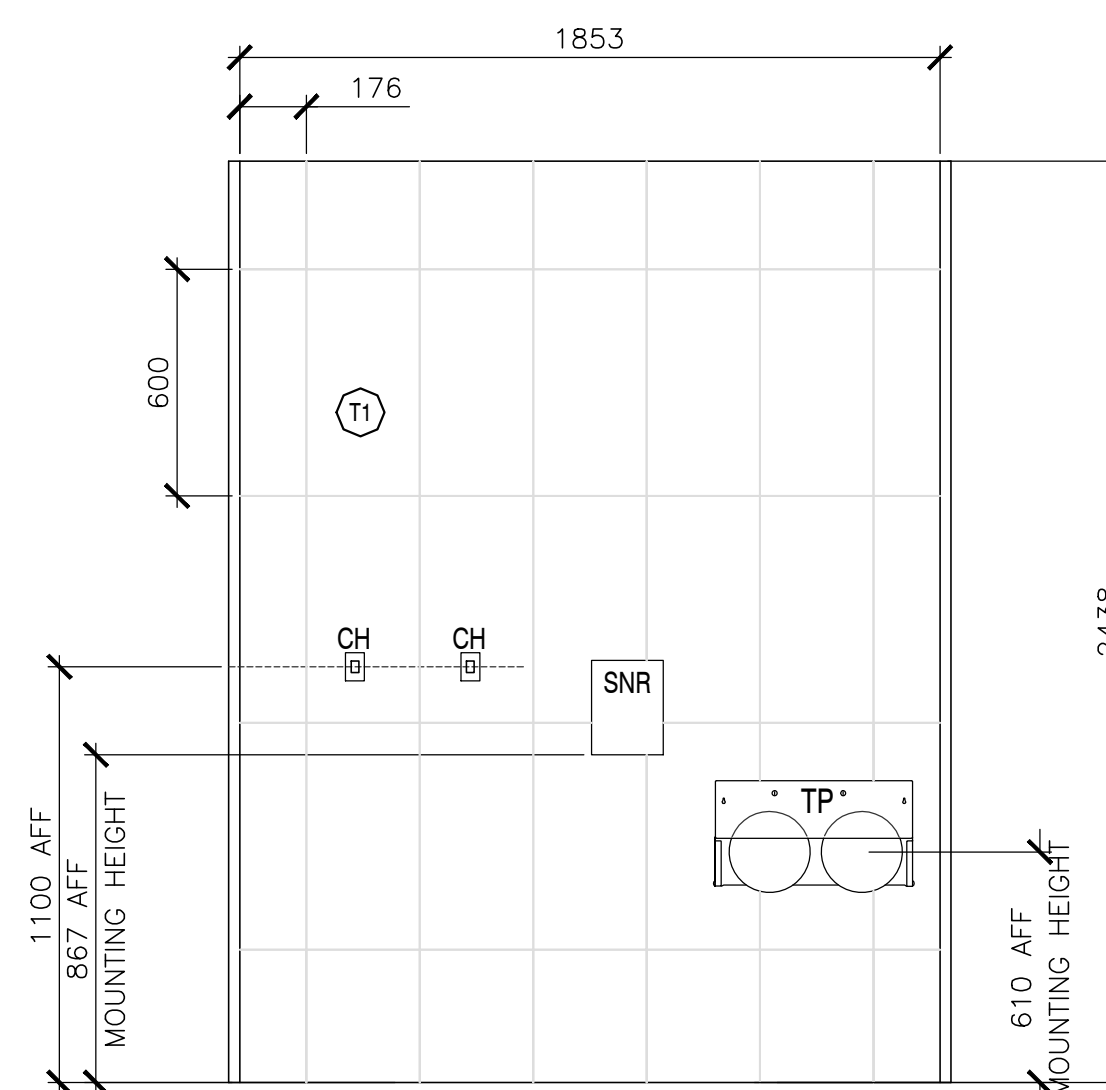
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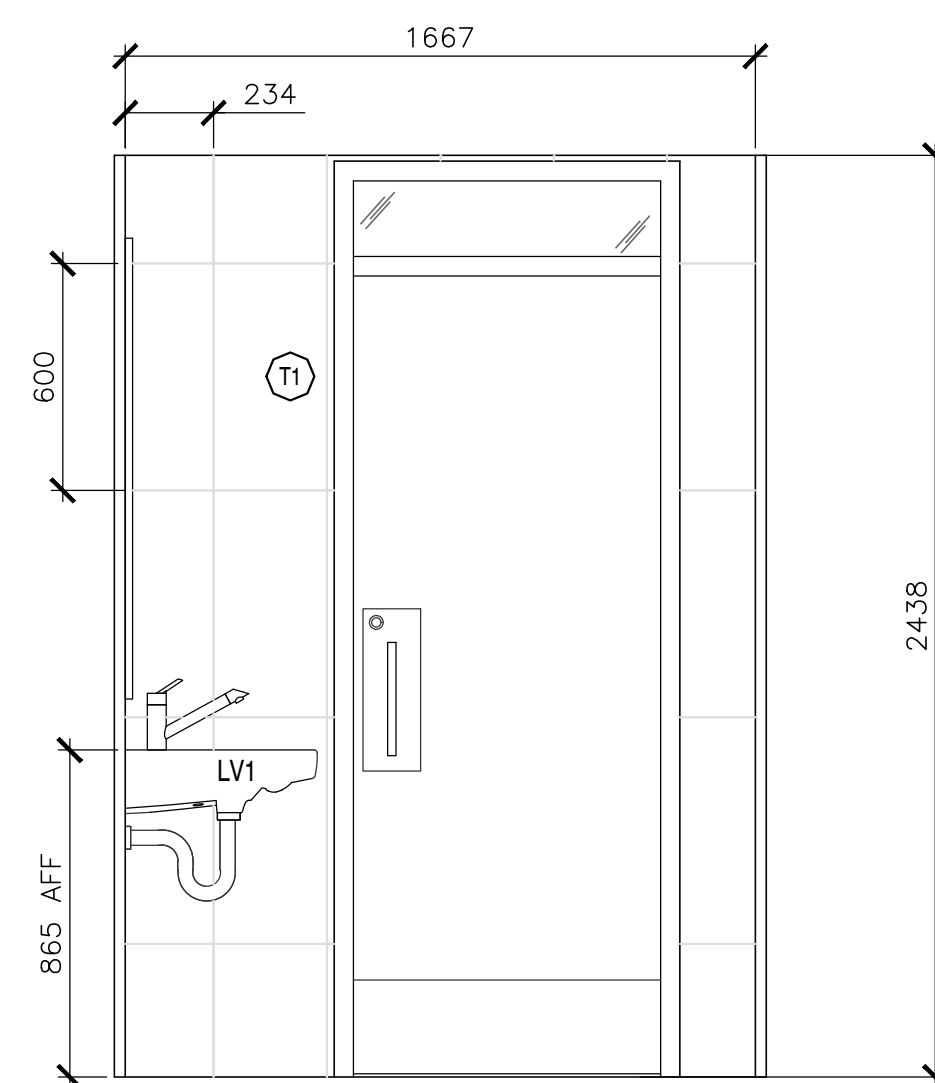
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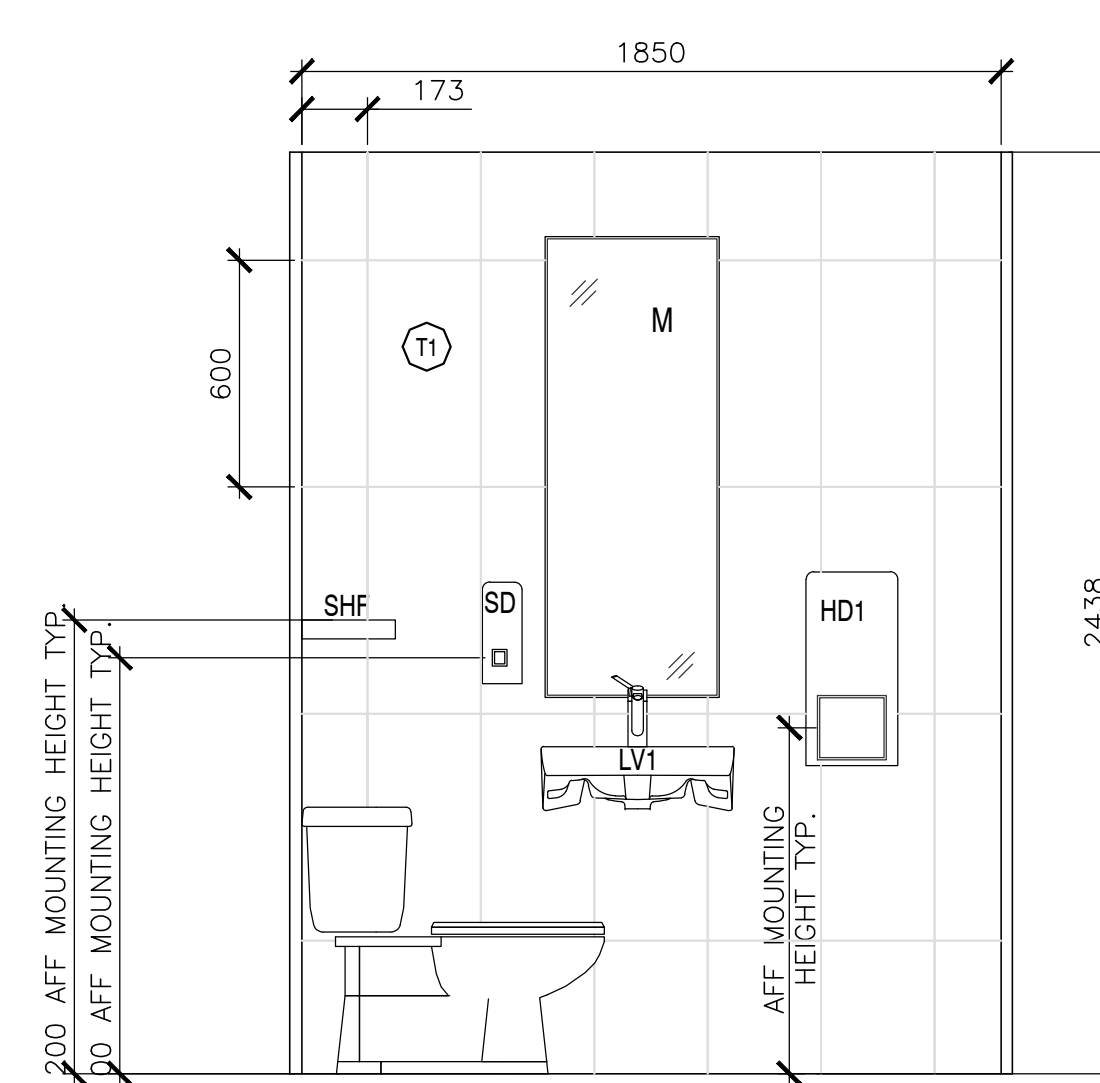
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213
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3
213
TYPICAL WR-INTERIOR ELEVATION 3
SCALE : 1:20
0mm 500mm 1000mm 1500mm 2000mm 2500mm



2
213
TYPICAL WR-INTERIOR ELEVATION 2
SCALE : 1:20
0mm 500mm 1000mm 1500mm 2000mm 2500mm



4
213
TYPICAL WR-INTERIOR ELEVATION 2
SCALE : 1:20
0mm 500mm 1000mm 1500mm 2000mm 2500mm

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INTERIOR ELEVATIONS

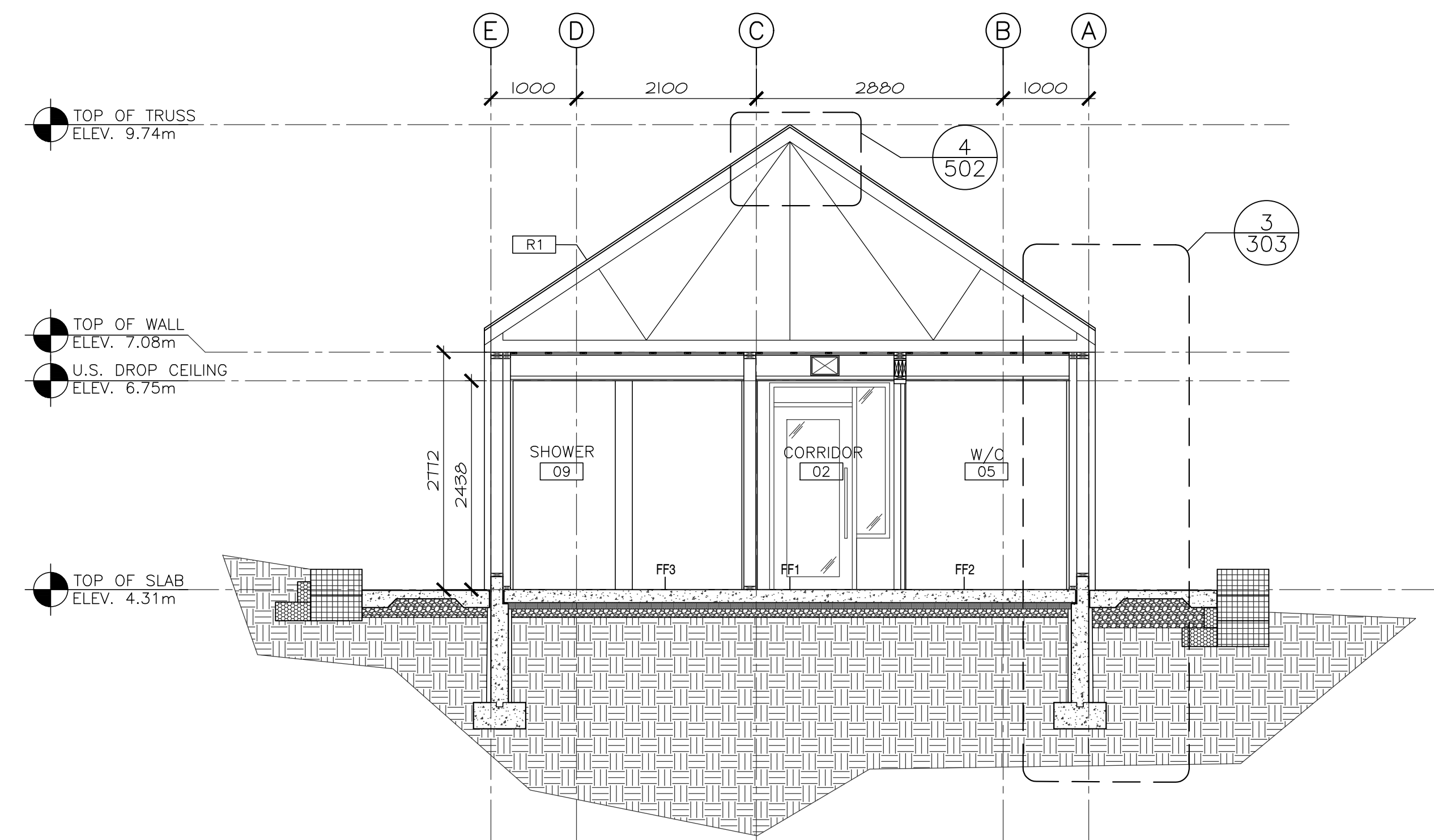
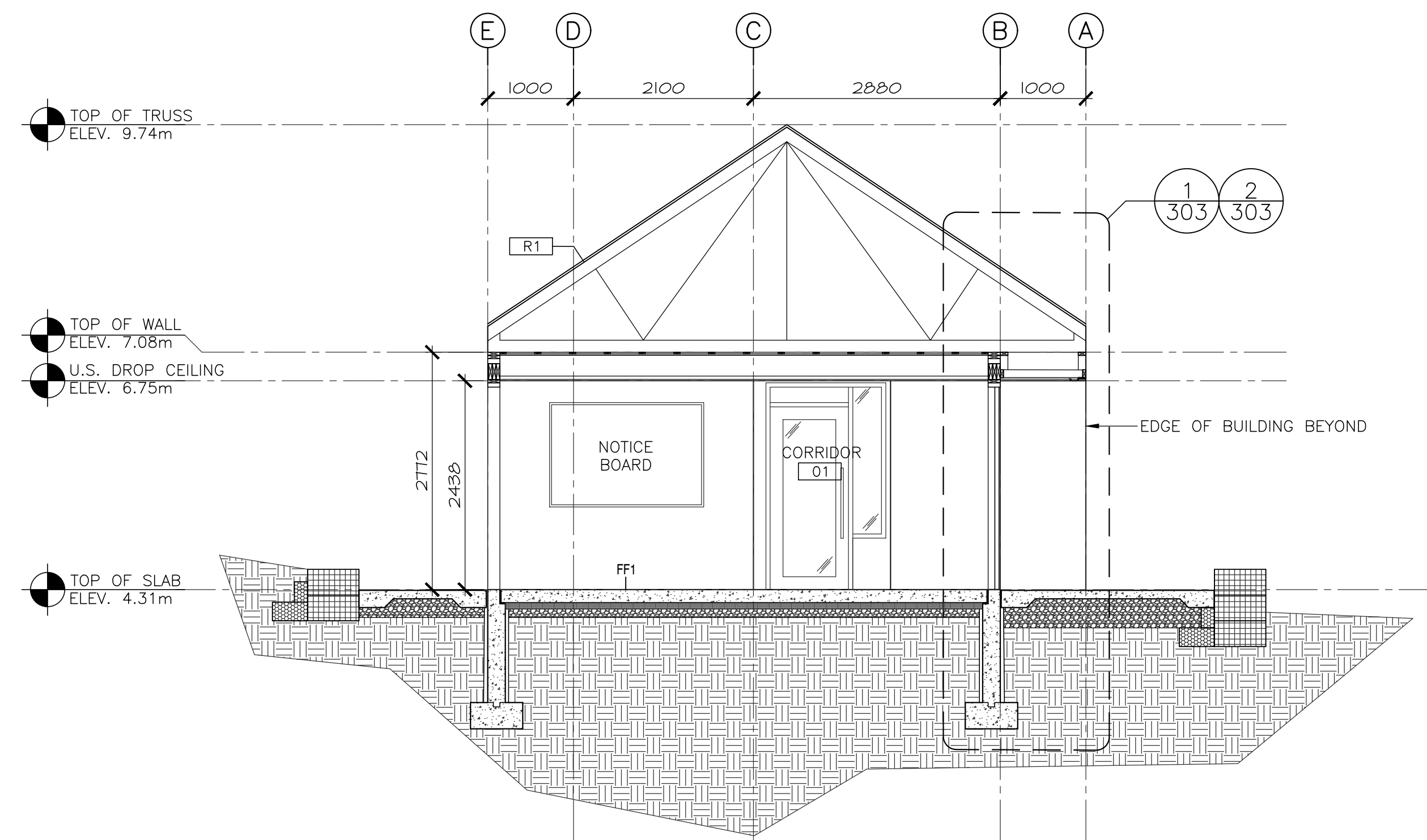
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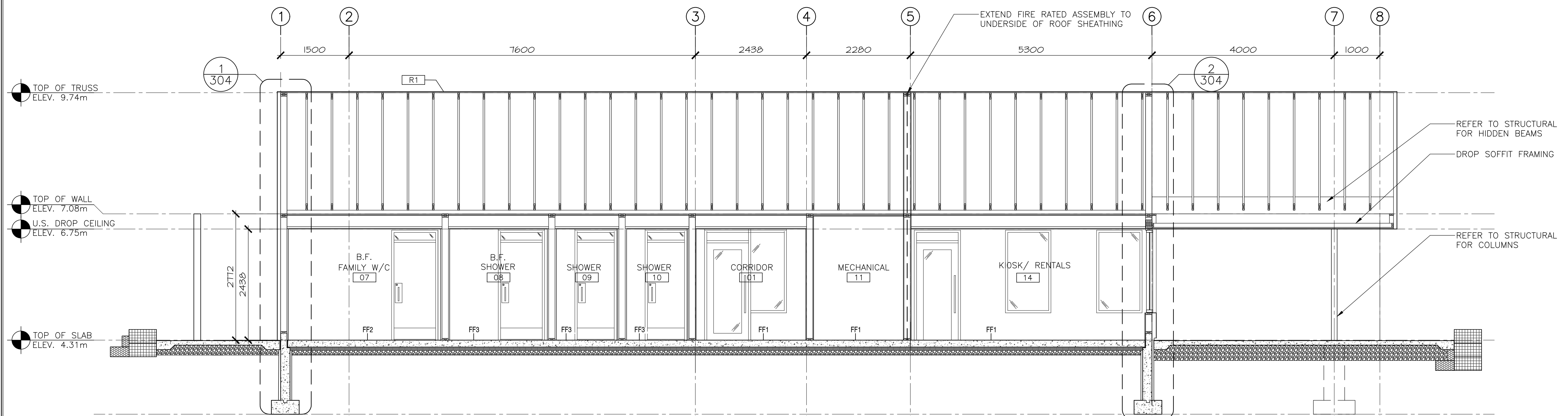
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1
301
BUILDING SECTION
SCALE : 1:50
0m 1m 2m 3m 4m 5m

2
301
BUILDING SECTION
SCALE : 1:50
0m 1m 2m 3m 4m 5m



3
301
BUILDING SECTION
SCALE : 1:50
0m 1m 2m 3m 4m 5m

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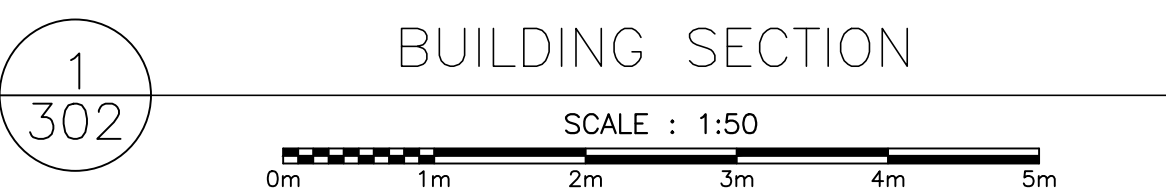
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BUILDING SECTIONS

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approved		approuvé
date		
Tender	DUGGAN KENNEDY	Soumission
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project number		no. du projet

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A-302

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01	ISSUED FOR TENDER	2022 03/31
revisions		date
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PARKS CANADA
CAPE BRETON HIGHLANDS
NATIONAL PARK,
INGONISH BEACH
WASHROOM AND KIOSK

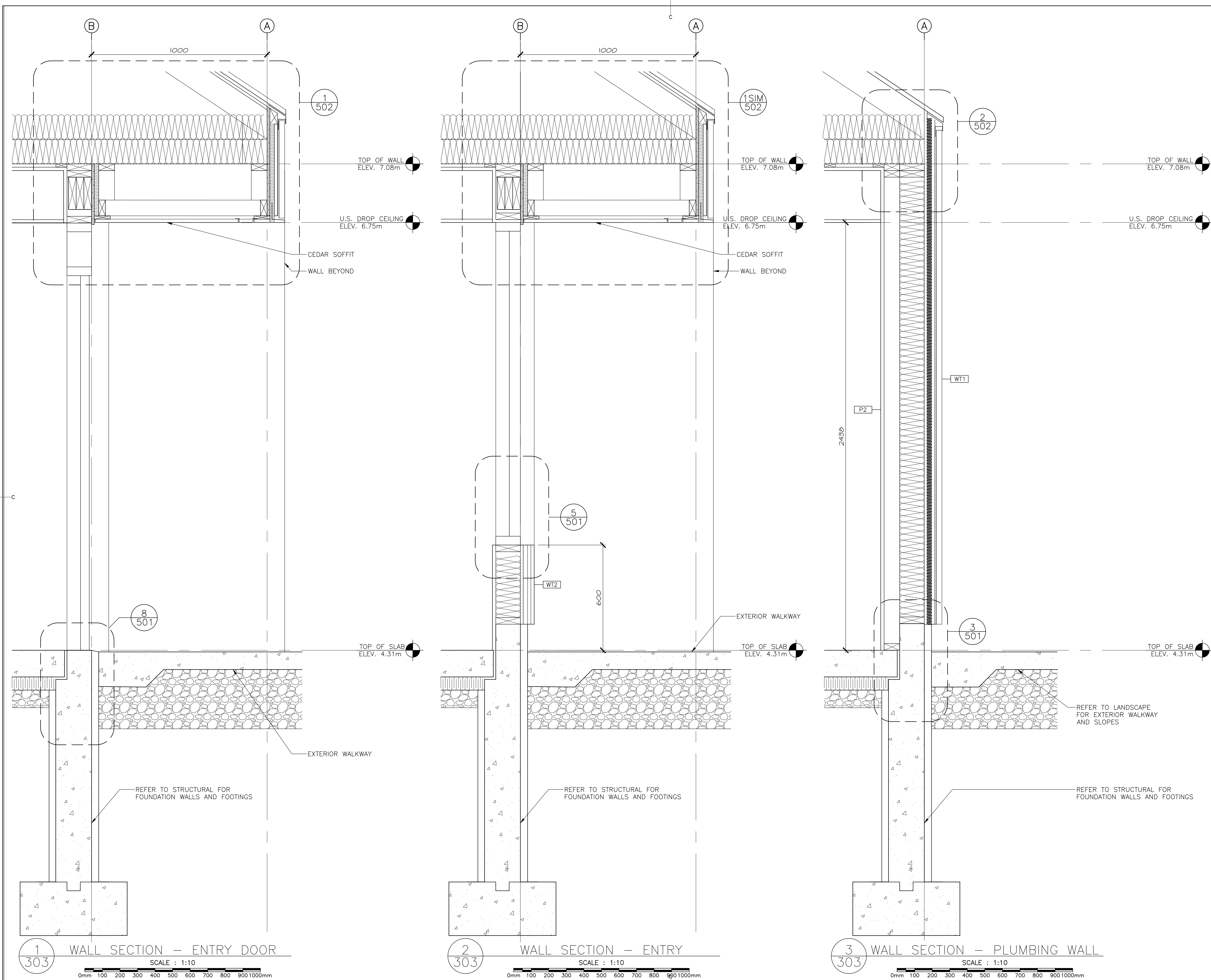
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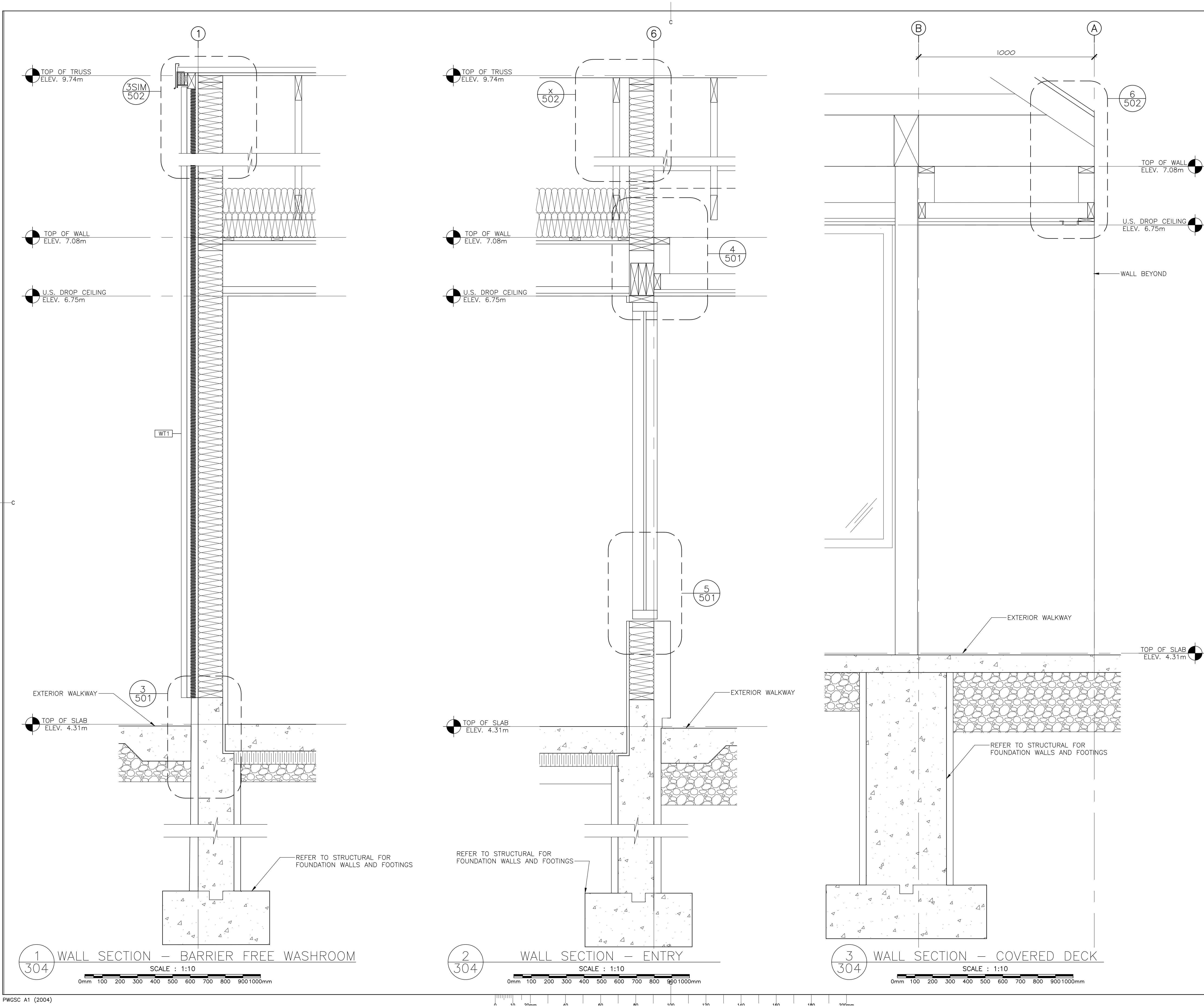
WALL SECTIONS


designed	C.C. J.B. H.H.	conçu
date		
drawn	J.B. A.P. K.H.	dessiné
date	2021	
approved		approuvé
date		
Tender	DUGGAN KENNEDY	Soumission
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project number		no. du projet

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WALL SECTIONS		
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date		
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Project Manager		Administrateur de projets
project number		no. du projet
drawing no.		no. du dessin
A-304		

E-DRM/GDD-E:####

DETAIL SHOWS THE INTENT OF OVERLAPING MEMBRANES AND ALUMINUM FLASHING AT ALL OPENINGS. NOT SPECIFIC TO ANY LOCATION OR OPENING TYPE - SEE SPECIFIC LOCATIONS AND DETAILS FOR FULL WALL ASSEMBLIES, TRIMS, DETAILS, ETC.

WALL ASSEMBLY (VARIES)

BRING AIR BARRIER MEMBRANE OVER BITUMINOUS MEMBRANE FLASHING AND SECURE AS REQUIRED

OVERLAP ALUMINUM FLASHING WITH SELF ADHESIVE BITUMINOUS MEMBRANE COUNTER FLASHING AND SECURE AS REQUIRED

PRE-FINISHED ALUMINUM FLASHING - SEE SPECIFIC DETAILS AND LOCATIONS FOR TRIM PROFILES AND SPECIFIC CONDITIONS

WRAP ALL OPENINGS AND SECURE SELF ADHESIVE BITUMINOUS FLASHING MEMBRANE INTO ALUMINUM FRAME THROAT ON ALL FOUR SIDES OF THE OPENING - OVERLAP ALL SEAMS IN FLASHING MEMBRANE

PRE-FINISHED ALUMINUM ENCLOSURE

BACKER ROD AND SEALANT, TYP.

FILL WITH SPRAY FOAM INSULATION

SECURE VAPOR BARRIER INTO OPENING ON ALL 4 SIDES - TYP.

1 SECTION DETAIL - TYPICAL HEAD MEMBRANES

SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm

DETAIL SHOWS THE INTENT OF OVERLAPING MEMBRANES AND ALUMINUM FLASHING AT ALL OPENINGS. NOT SPECIFIC TO ANY LOCATION OR OPENING TYPE - SEE SPECIFIC LOCATIONS AND DETAILS FOR FULL WALL ASSEMBLIES, TRIMS, DETAILS, ETC.

FILL WITH SPRAY FOAM INSULATION

BACKER ROD AND SEALANT, TYPICAL.

SELF ADHESIVE BITUMINOUS MEMBRANE SEALED INTO WINDOW THROAT, TYPICAL.

PRE-FINISHED ALUMINUM SILL FLASHING - SEE SPECIFIC DETAILS AND LOCATIONS FOR PROVIDE AND SPECIFIC CONDITIONS. MIN. 8% SLOPE TO DRAIN AWAY FROM WINDOW.

WRAP OPENINGS WITH SELF ADHESIVE BITUMINOUS MEMBRANE, ALL 4 SIDES

VAPOR PERMEABLE WEATHER RESISTIVE AIR-WEATHER BARRIER

RAINSCREEN

WALL ASSEMBLY (VARIES)

2 SECTION DETAIL - TYPICAL SILL MEMBRANES

SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm

19mm VERT. FURRING/AIR SPACE

AIR/WEATHER BARRIER

HORIZONTAL FURRING

OVERLAP ALUMINUM SKIRT AND FLASHING WITH SELF ADHESIVE BITUMINOUS MEMBRANE

PERFORATED INSECT SCREEN

PRE-FINISHED ALUMINUM DRIP FLASHING

TOP OF SLAB

ELEV. 4.31

REFER TO LANDSCAPE

WRAP BOTTOM OF SHEATHING WITH SELF ADHESIVE BITUMINOUS MEMBRANE

RIGID XPS INSULATION

CONCRETE WATERPROOFING

3 SECTION DETAIL - TYP. BASE DETAIL

SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm

REFER TO STRUCTURAL FOR TRUSS OVERHANGS

TOP OF WALL ELEV.

WESTERN RED CEDAR SOFFIT BOARDS

AIR/WEATHER BARRIER

CEDAR NAILING BOARD TO MATCH SIDING

LAP AIR/WEATHER BARRIER OVER BITUMINOUS MEMBRANE

HEAVY GAUGE ANODIZED ALUMINUM HEAD FLASHING

SEAL BITUMINOUS MEMBRANE INTO ALUMINUM FRAME THROAT

BACKER ROD AND SEALANT, TYP.

VERTICAL JAMB TRIM BEYOND

4 SECTION DETAIL - WINDOW HEADER

SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm

VERTICAL JAMB TRIM BEYOND

BACKER ROD AND SEALANT, TYP.

ANODIZED ALUMINUM SILL FLASHING

WRAP OPENING WITH BITUMINOUS MEMBRANE AND SEAL INTO WINDOW FRAME THROAT

CEDAR NAILING BOARD TO MATCH SIDING

TOP OF SLAB

ELEV. 4.31m

5 SECTION DETAIL - WINDOW SILL

SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm

VERTICAL STRAPPING OR SIDING SUPPORT SYSTEM

OVERLAP ALUMINUM SKIRT AND FLASHING WITH SELF ADHESIVE BITUMINOUS MEMBRANE

PERFORATED INSECT SCREEN

PRE-FINISHED ALUMINUM DRIP FLASHING

TOP OF SLAB

ELEV. 4.31m

6 SECTION DETAIL - SHOWER TILE BASE

SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm

BITUMINOUS FLASHING MEMBRANE TO OVERLAP VENT FLANGE - ALL 4 SIDES. OVERLAP ALL SEAMS

VENT BOX SUPPORT AS REQUIRED

VENT FLANGE

SEALANT

SEAL ALL GAPS BEHIND VENT FLANGE WITH SPRAY FOAM INSULATION - ALL 4 SIDES

LOUVERS VARY - SEE MECHANICAL

BITUMINOUS FLASHING MEMBRANE TO OVERLAP VENT FLANGE - ALL 4 SIDES. OVERLAP ALL SEAMS

7 SECTION DETAIL - VENT FLASHING

SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm

ALUMINUM DOOR

BARRIER FREE TRANSITION

FRAMING SUPPORT

ALUMINUM SKIRT, SEAL INTO DOOR THRESHOLD, TYP.

FLEXIBLE JOINT, TYP.

BITUMINOUS WATERPROOF MEMBRANE SEAL UNDER THRESHOLD

CONCRETE ENTRY PAD

TOP OF SLAB

ELEV. 4.31m

CONTINUOUS VAPOR BARRIER SEAL

SUB-SLAB RIGID INSULATION

DRAINAGE GRAVEL

RIGID INSULATION

8 SECTION DETAIL - DOOR THRESHOLD

SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm

VERTICAL STRAPPING OR SIDING SUPPORT SYSTEM

OVERLAP ALUMINUM SKIRT AND FLASHING WITH SELF ADHESIVE BITUMINOUS MEMBRANE

PERFORATED INSECT SCREEN

PRE-FINISHED ALUMINUM DRIP FLASHING

TOP OF SLAB

ELEV. 4.31

9 SECTION DETAIL - SHOWER TILE BASE

SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm



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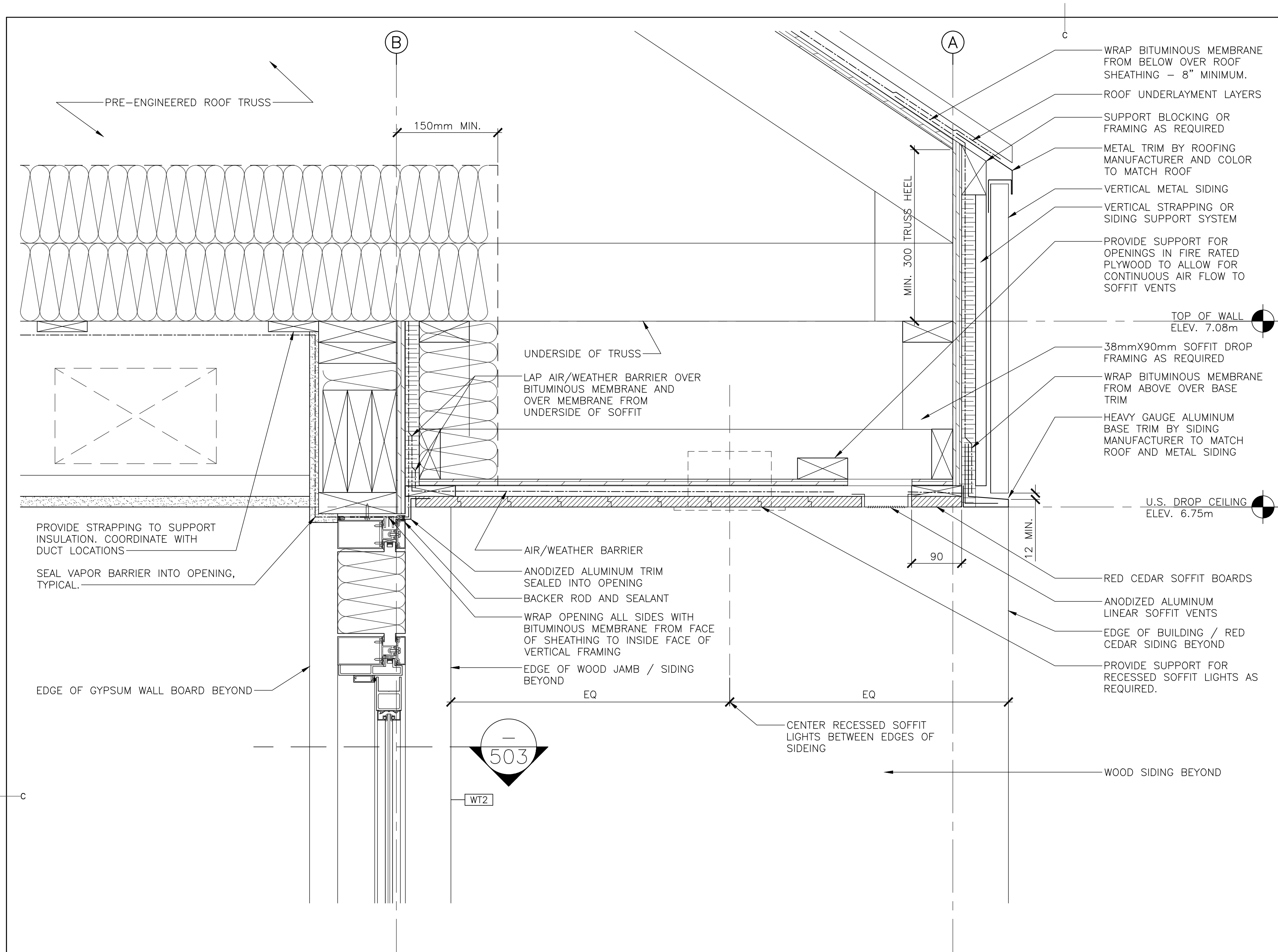
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PARKS CANADA
CAPE BRETON HIGHLANDS
NATIONAL PARK,
INGONISH BEACH
WASHROOM AND KIOSK

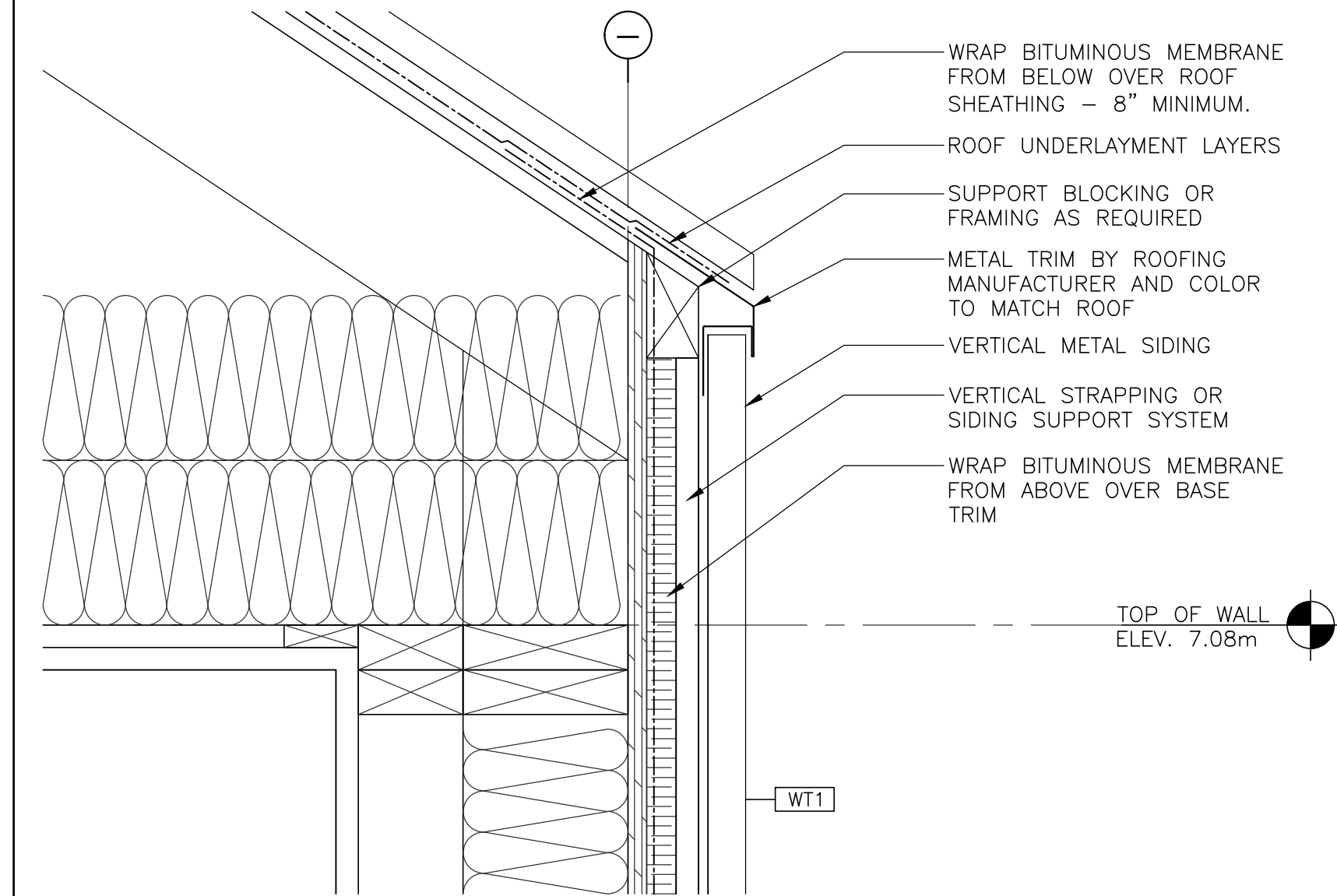
TYPICAL SECTION DETAILS

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date		
drawn	J.B. A.P. K.H.	dessiné
date	2021	
approved		approuvé
date		
Tender	DUGGAN KENNEDY	Soumission
Project Manager		Administrateur de projets
project number		no. du projet

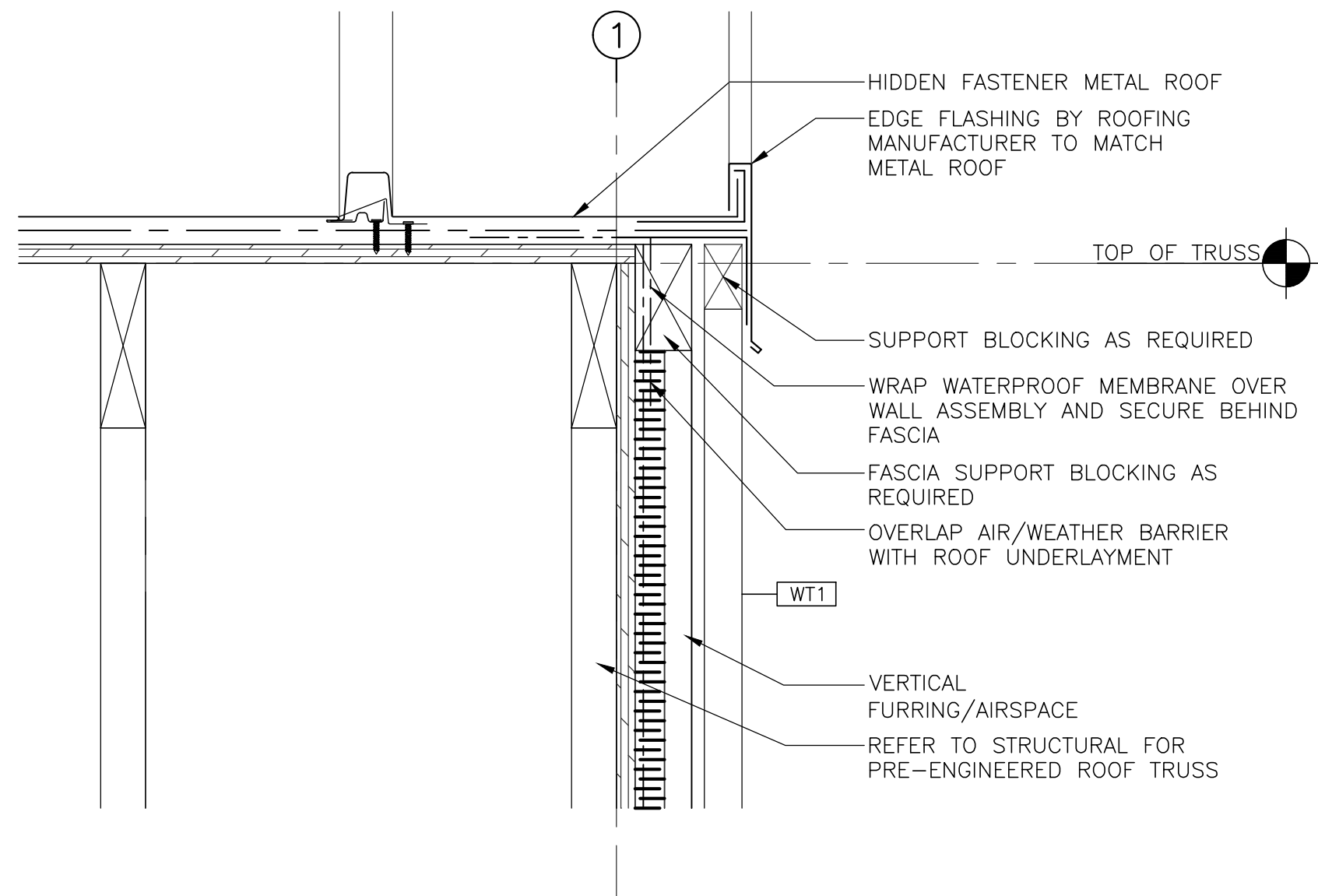
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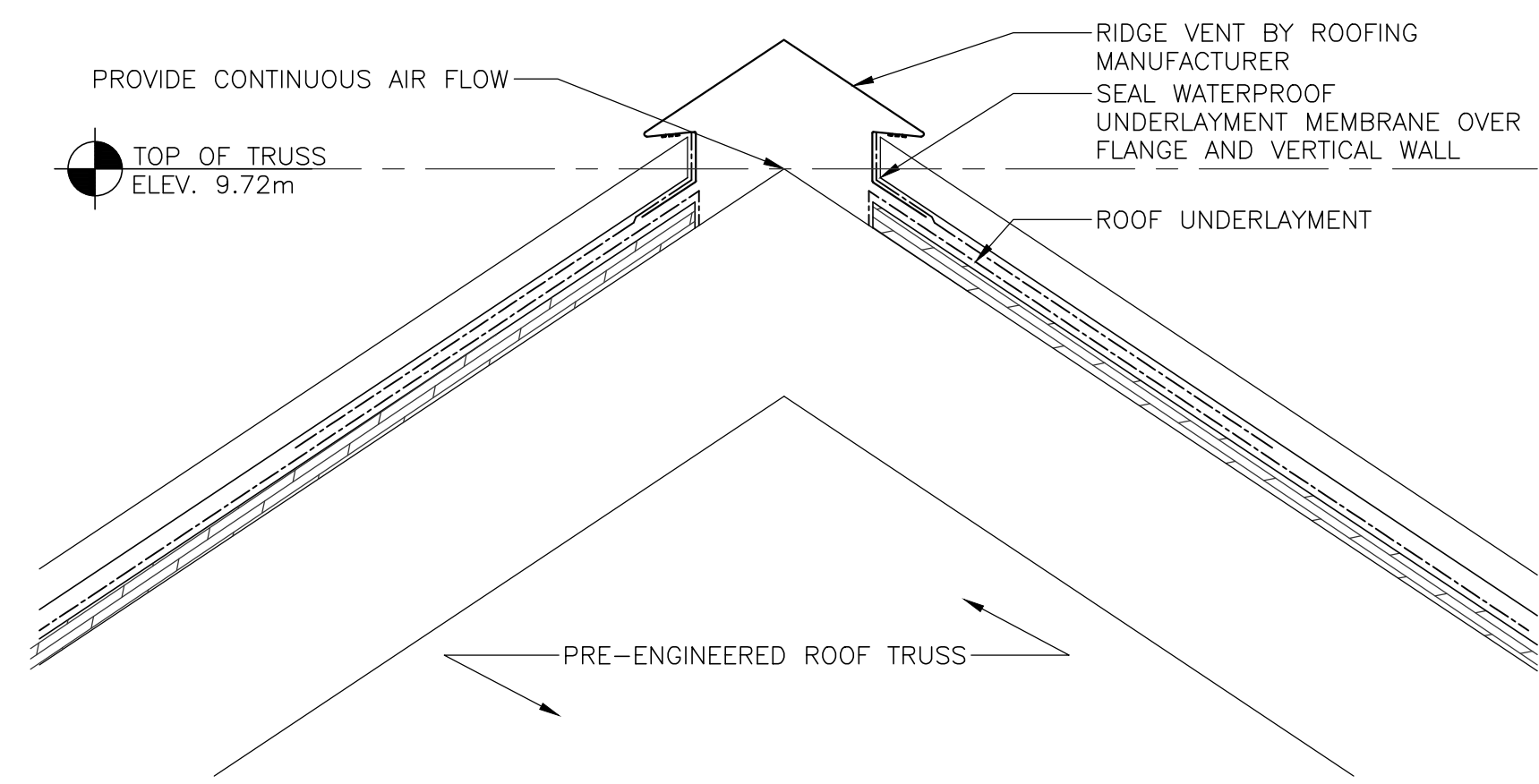
1 SECTION DETAIL – OVERHANG TO SOFFIT TRANSITIONS
502 SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm



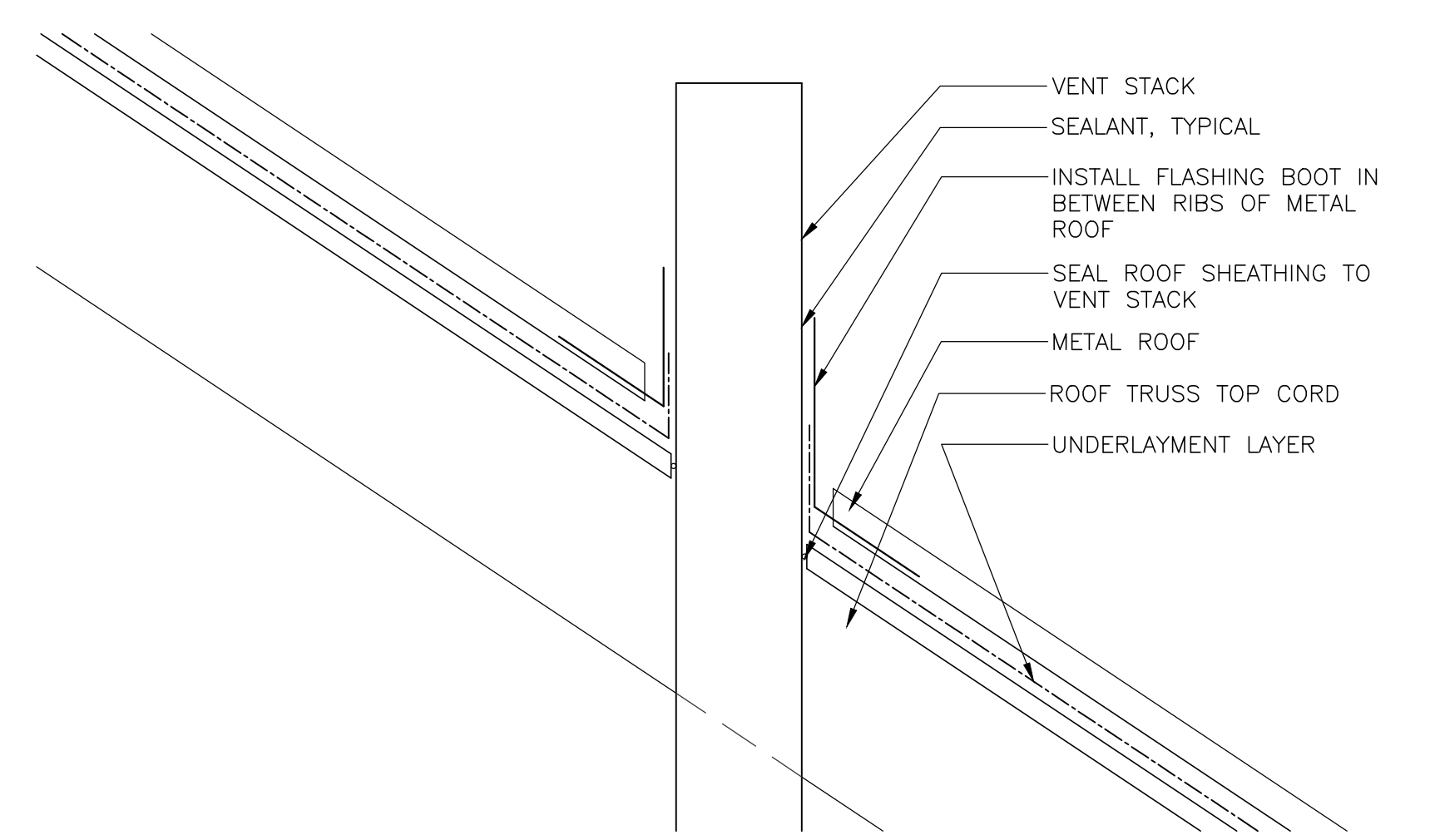
2 SECTION DETAIL – TYPICAL ROOF EDGE
502 SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm



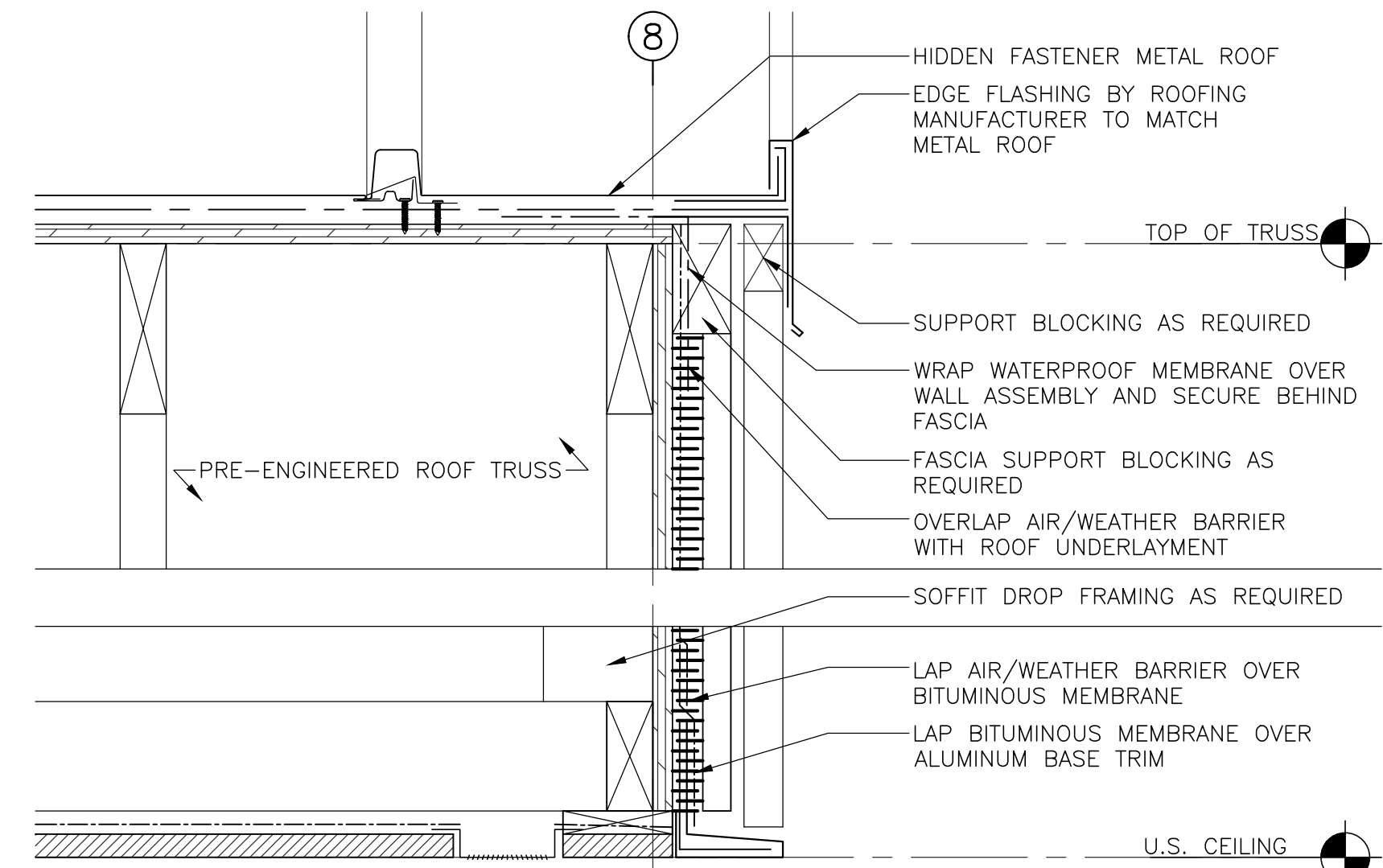
3 SECTION DETAIL – GABLE ROOF EDGE
502 SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm



4 SECTION DETAIL – RIDGE VENT
502 SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm



5 SECTION DETAIL – ROOF VENT PENETRATION
502 SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm

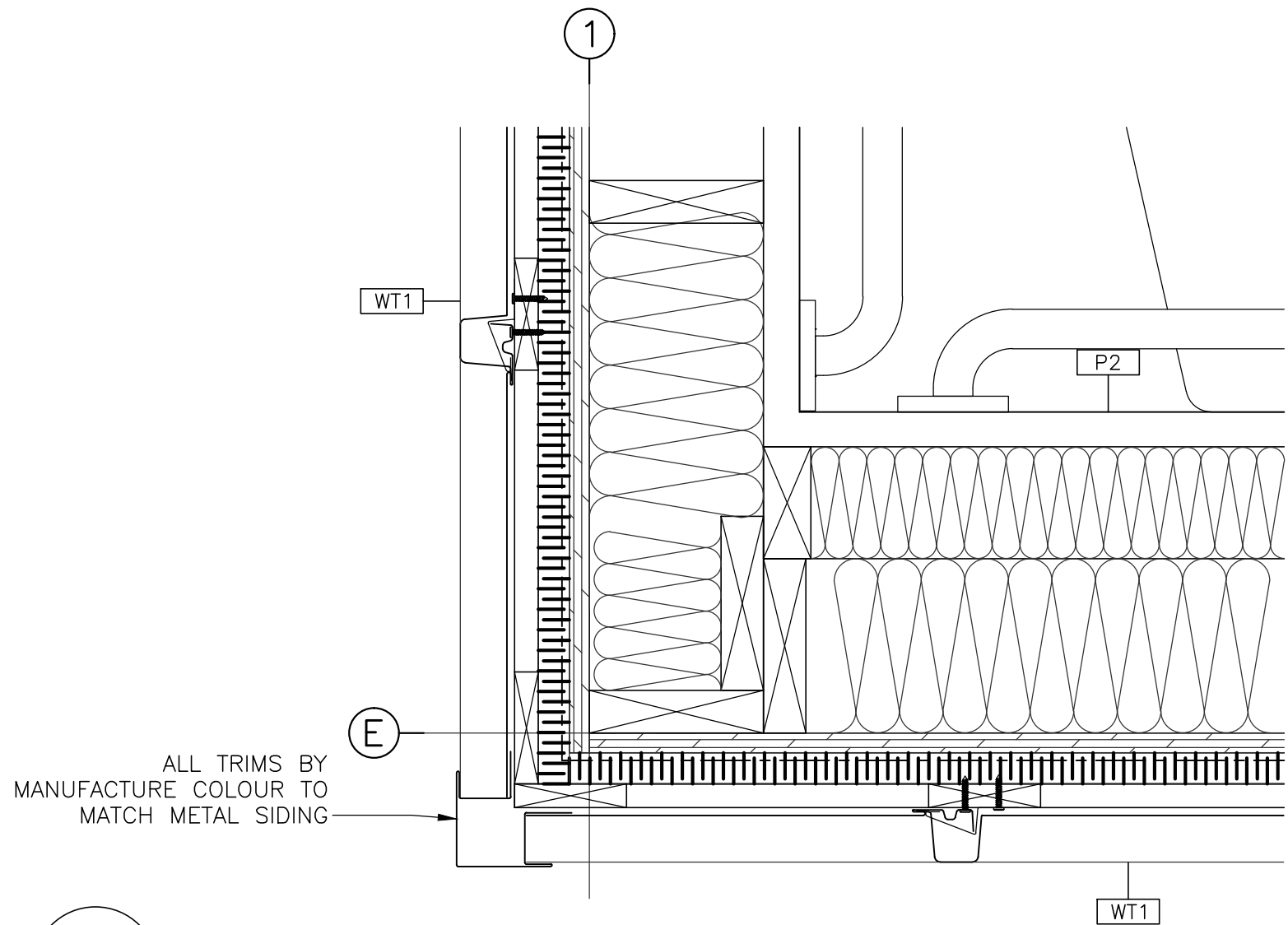


6 SECTION DETAIL – GABLE ROOF @ SOFFIT
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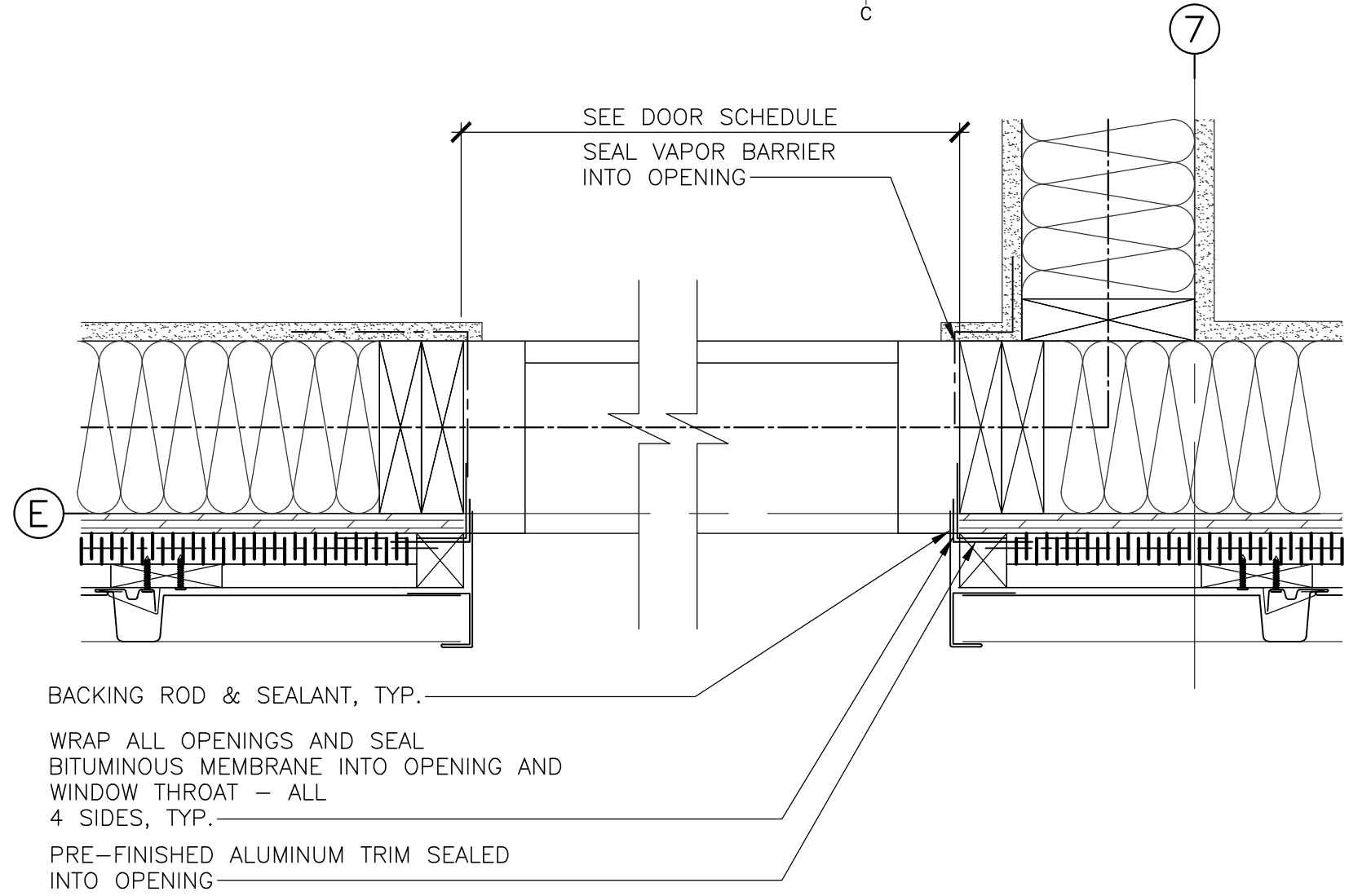
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drawing		dessin
TYPICAL SECTION DETAILS		
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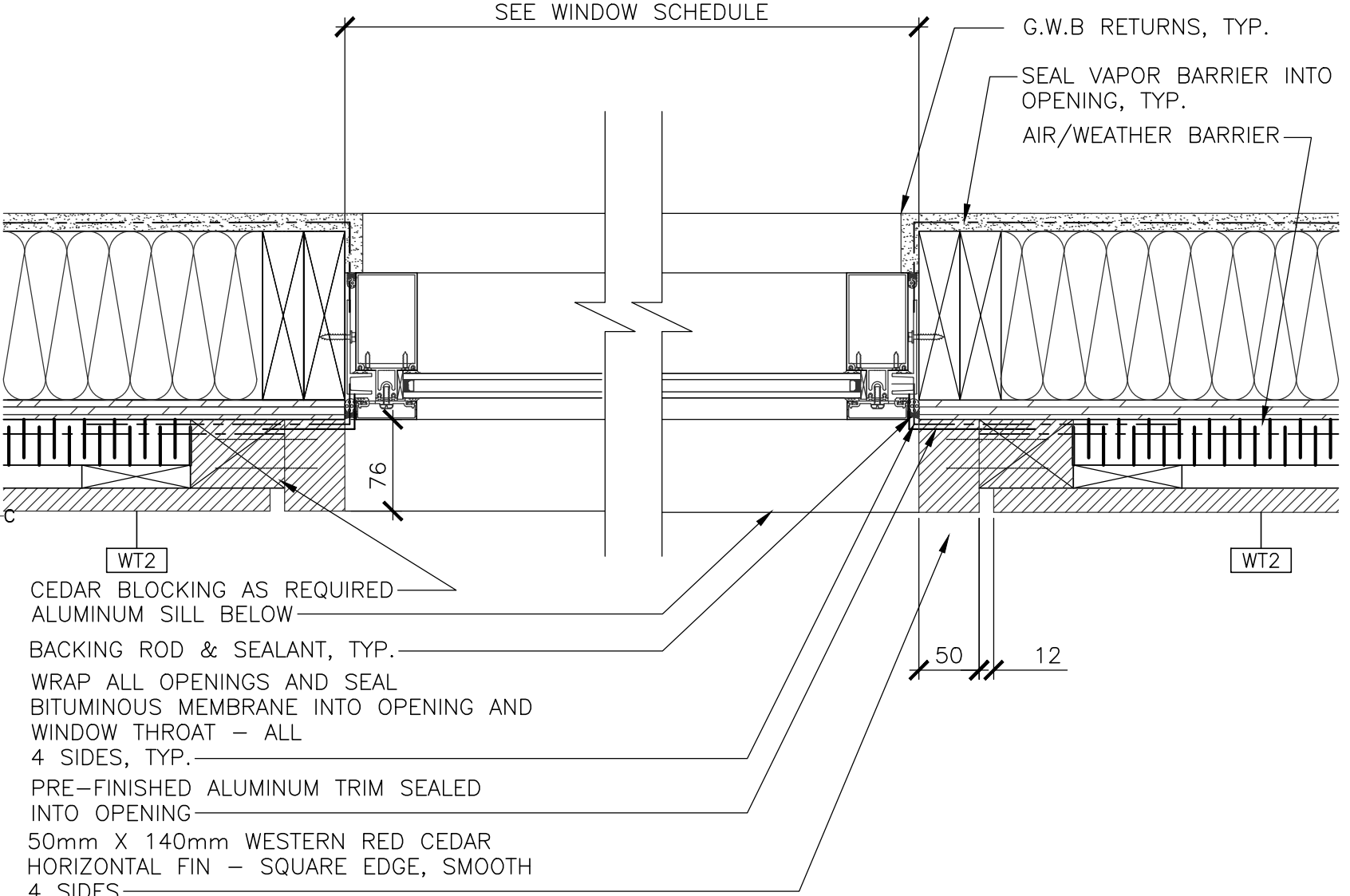
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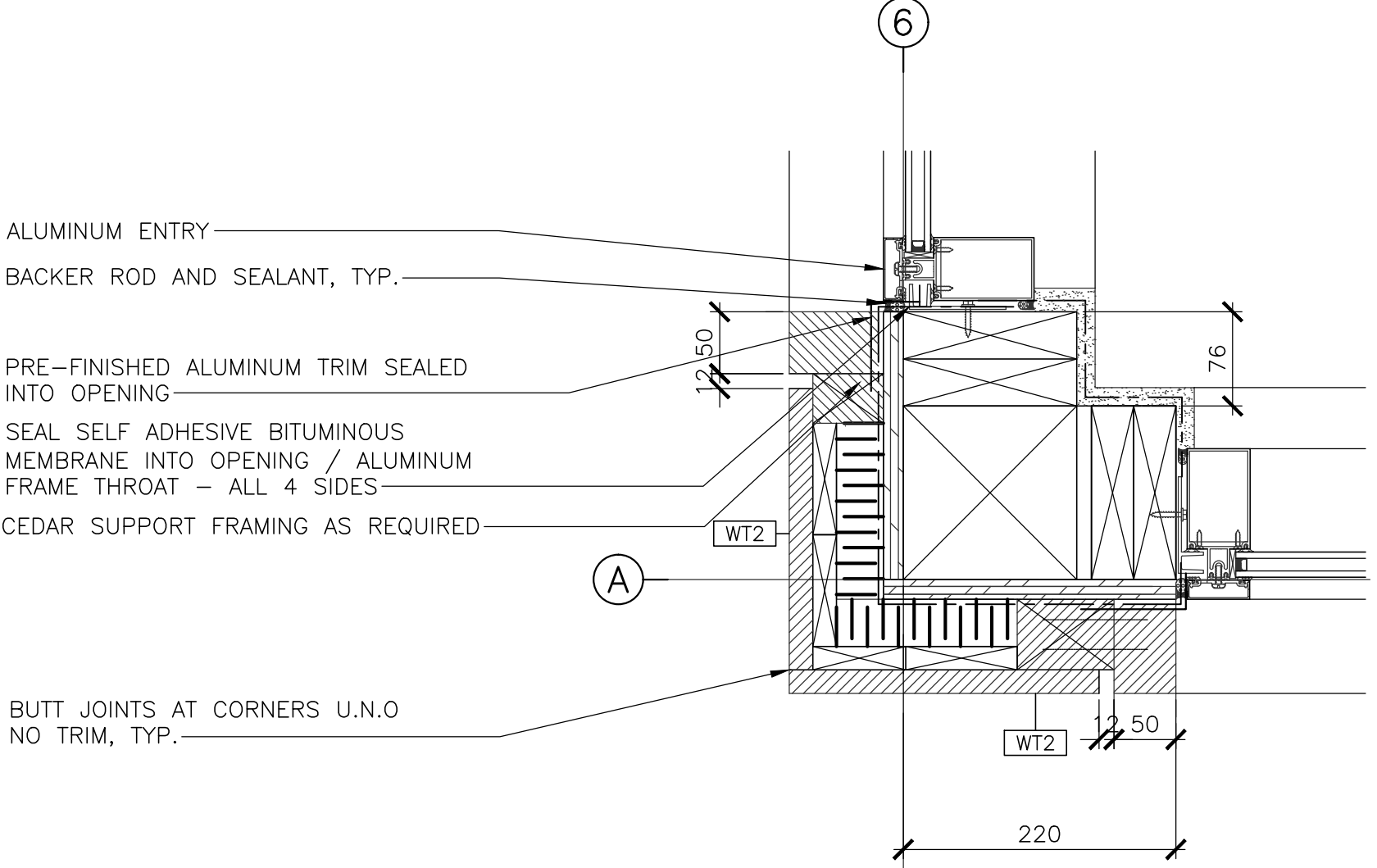
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503
PLAN DETAIL – TYPICAL CORNER
SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm



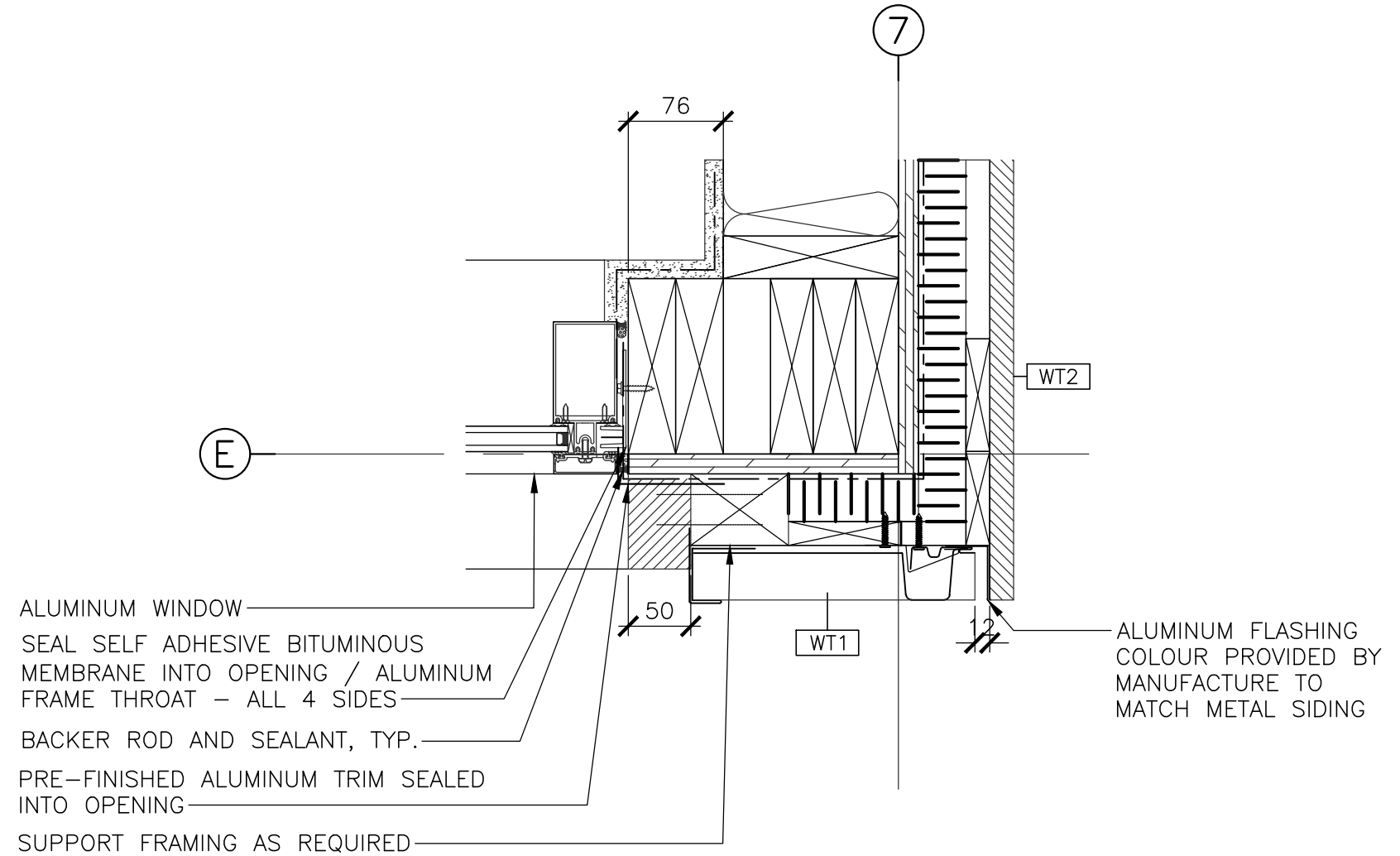
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503
PLAN DETAIL – DOOR JAMB
SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm



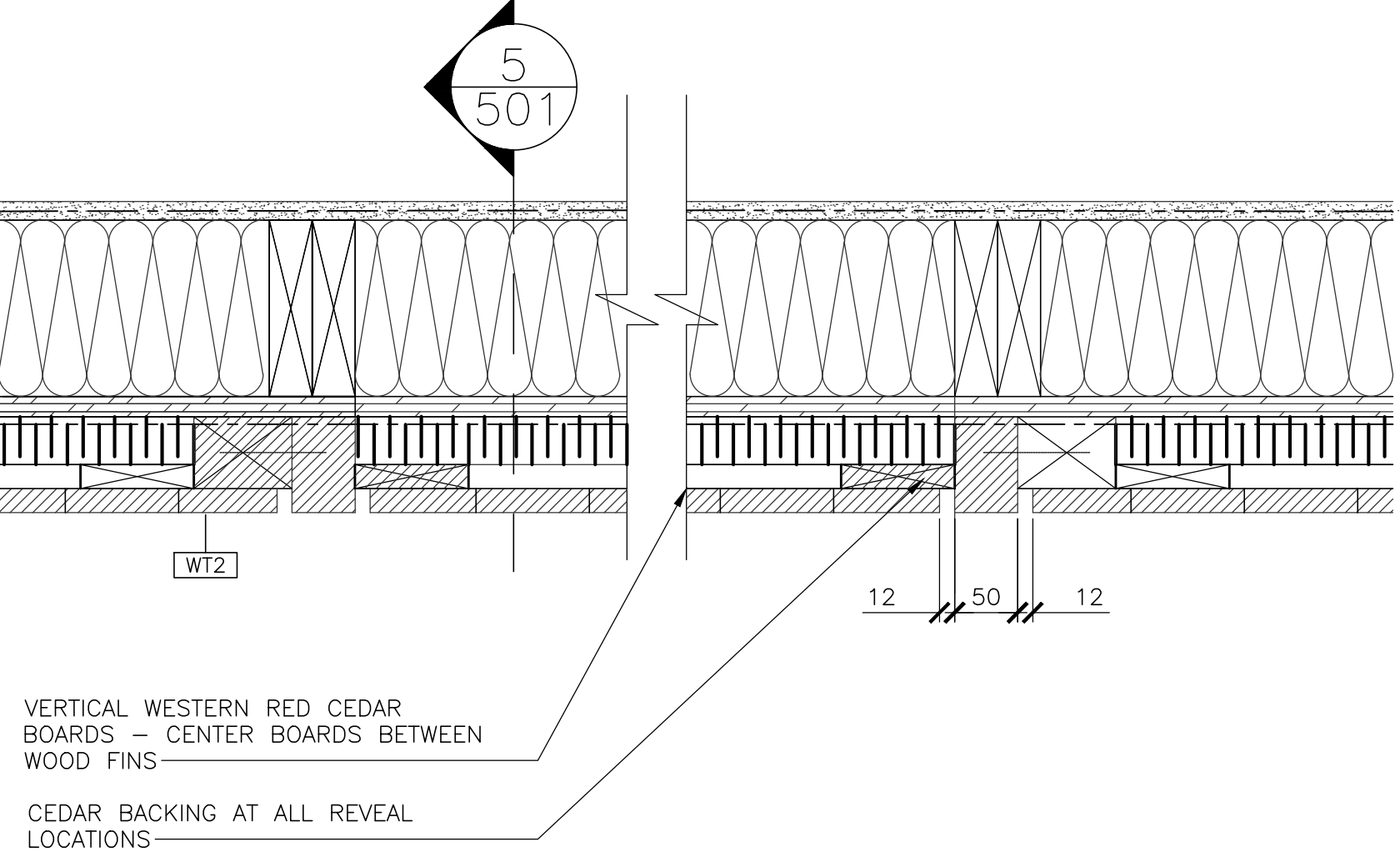
2
503
PLAN DETAIL – WINDOW JAMBS
SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm



5
503
PLAN DETAIL – WINDOW JAMBS
SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm



3
503
PLAN DETAIL – TYPICAL WOOD CORNER
SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm



6
503
PLAN DETAIL – BELOW WINDOW
SCALE : 1:5
0mm 100mm 200mm 300mm 400mm 500mm

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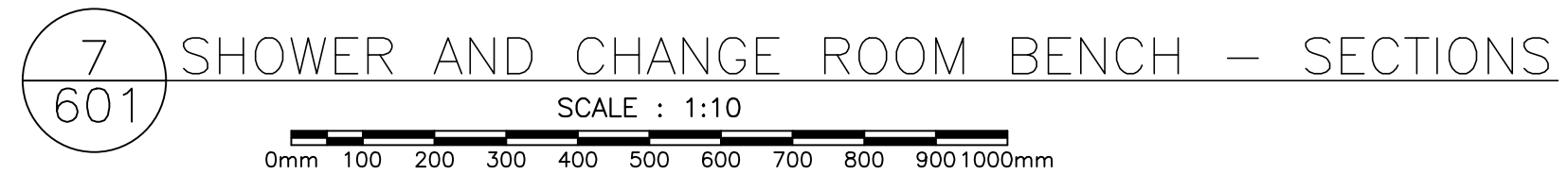
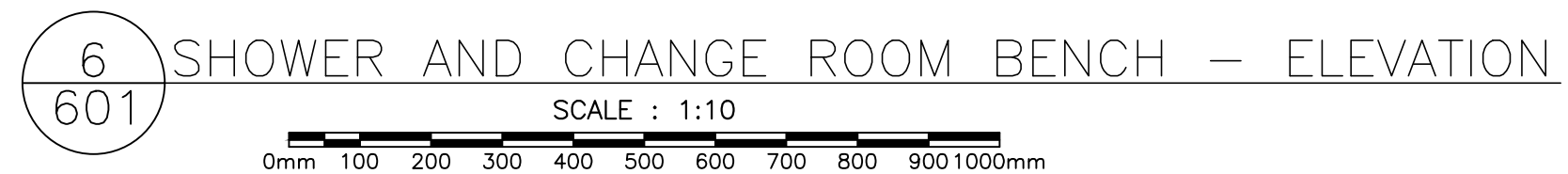
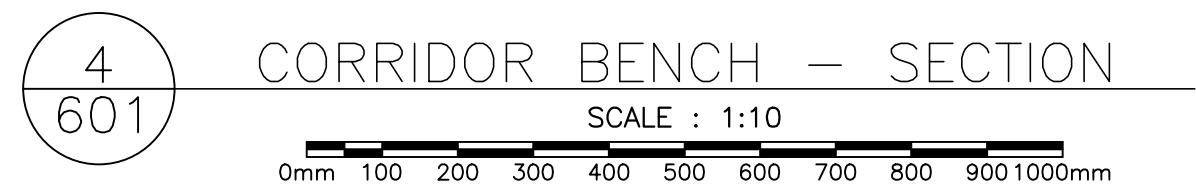
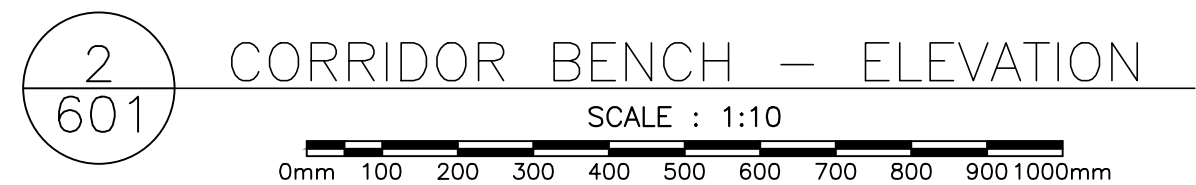
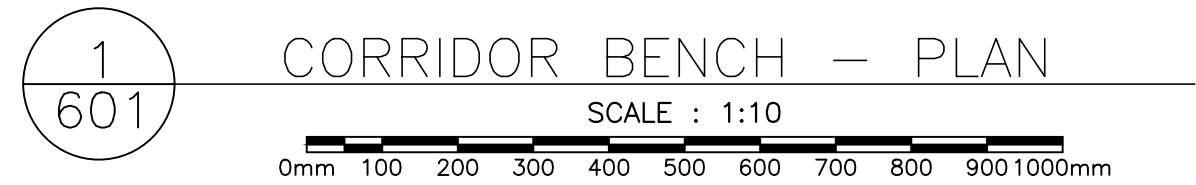
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TYPICAL PLAN DETAILS

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Tender DUGGAN KENNEDY	Soumission
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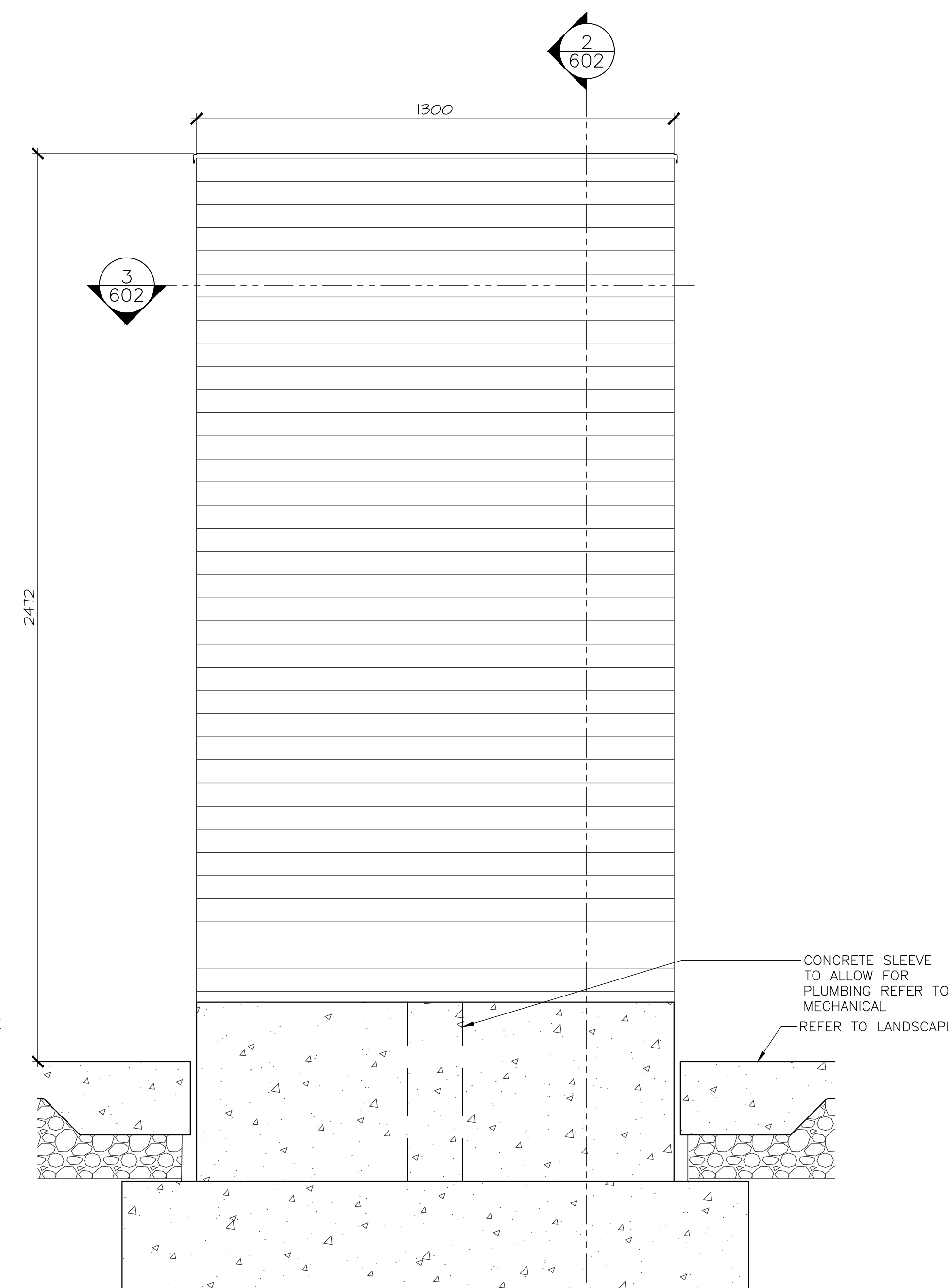
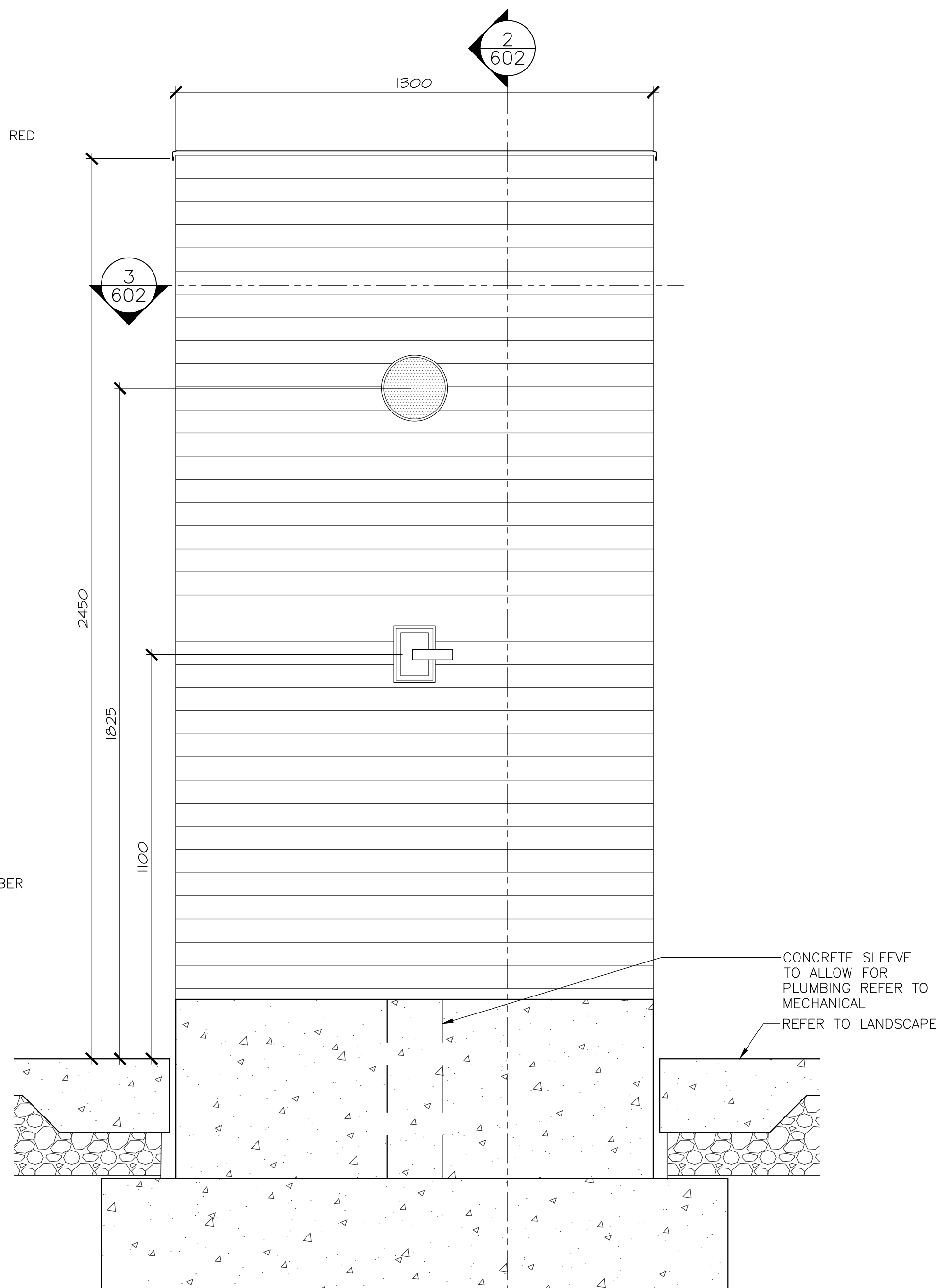
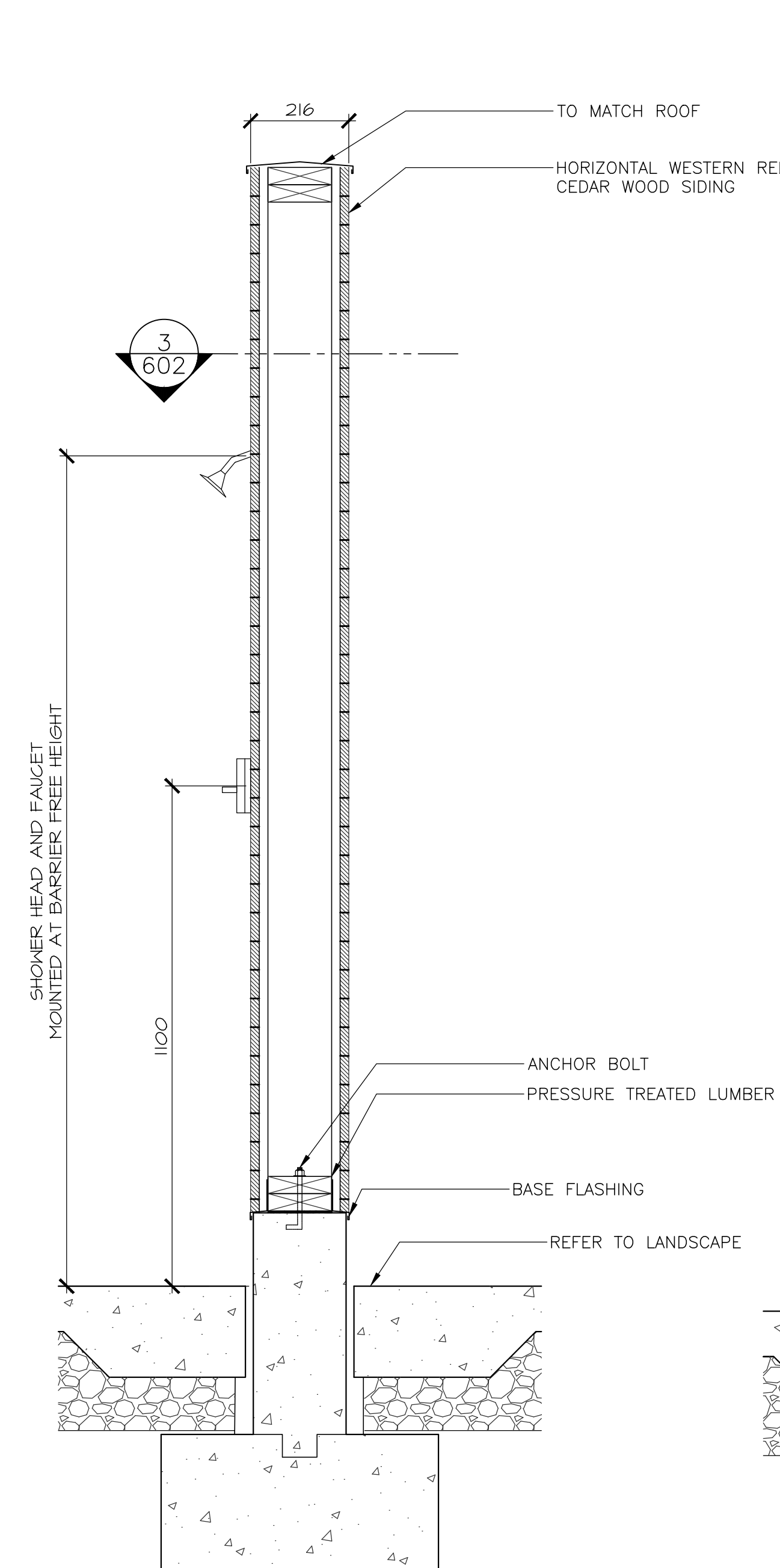
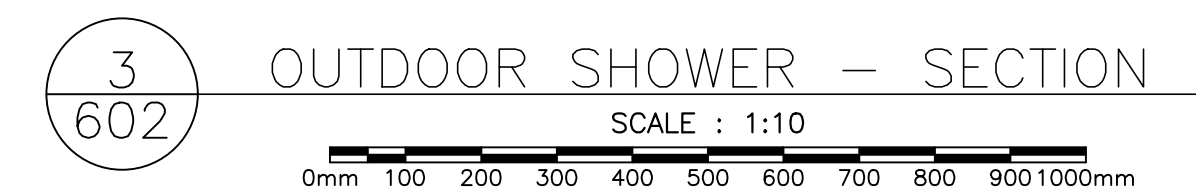
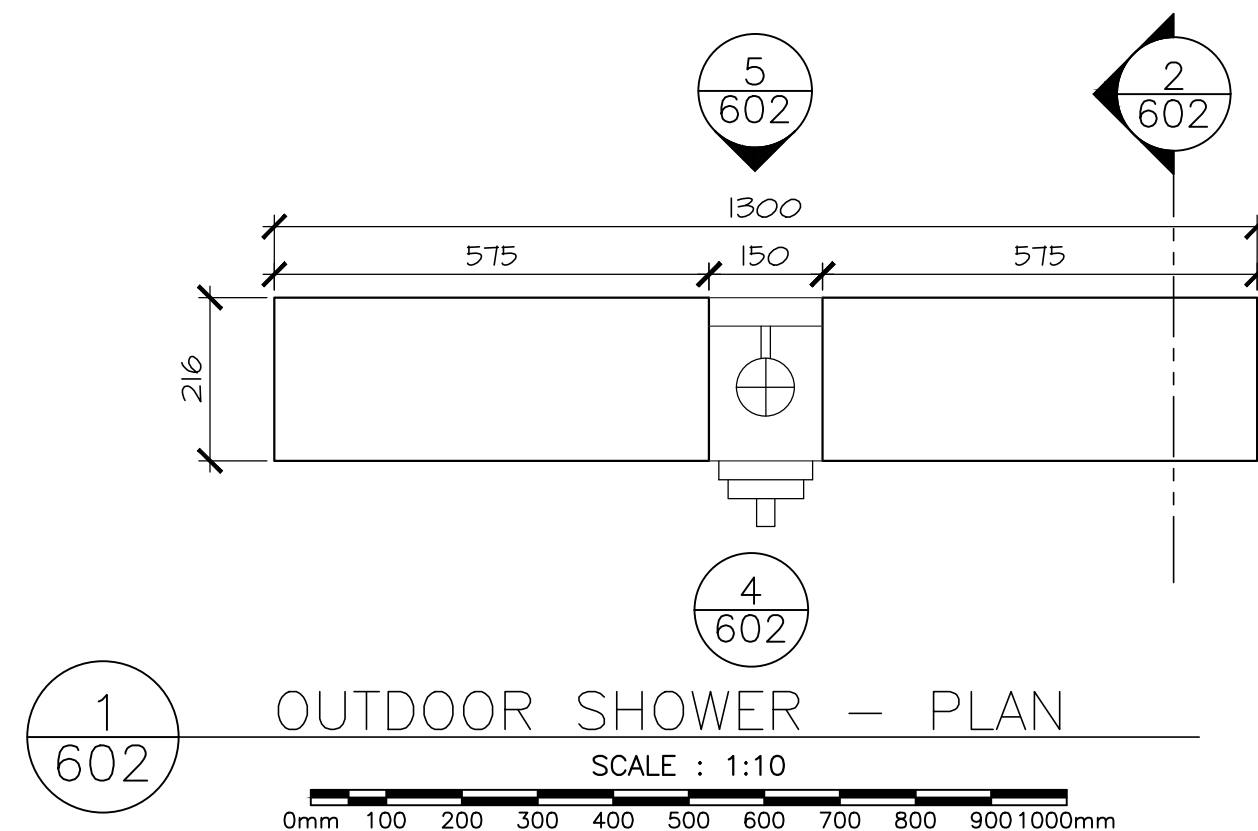
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OUTDOOR SHOWER DETAILS

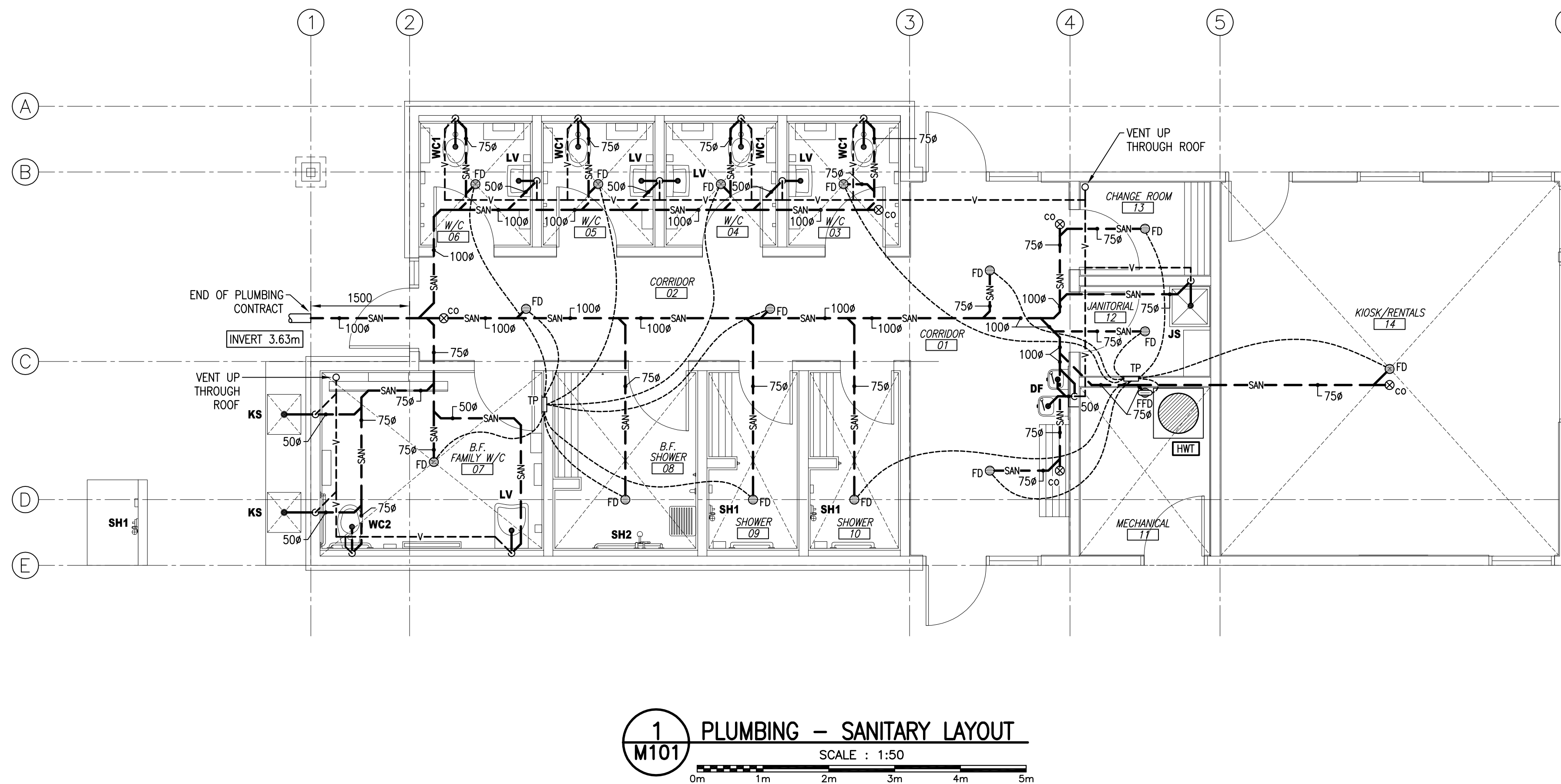
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PLUMBING LEGEND

	SANITARY PIPING ABOVE FLOOR
	SANITARY PIPING BELOW FLOOR OR GRADE
	VENT PIPING
	CONDENSATE DRAIN PIPING
	TRAP PIPING
	DOMESTIC COLD WATER PIPING
	DOMESTIC HOT WATER PIPING
	DOMESTIC HOT WATER RECIRCULATION PIPING
	PIPE DOWN
	PIPE UP
	PIPE DOWN UNDER
	FIXTURE DRAIN
	PIPE CONTINUATION
	SHUT-OFF VALVE
	CHECK VALVE
	BALANCING VALVE
	BALL VALVE
	PIPE UNION
	NON-FREEZE HOSE BIBB
	IN-LINE PUMP
	FLOOR DRAIN
	FUNNEL FLOOR DRAIN
	CLEANOUT AT FLOOR
	WATER METER
	TRAP PRIMER
	PRESSURE RELIEF VALVE
	THERMOSTATIC MIXING VALVE
	STRAINER
	DOUBLE CHECK BACKFLOW PREVENTOR
KS1	FIXTURE DESIGNATION, TYPE 'KS1'
	NEW 4.5kg FIRE EXTINGUISHER c/w WALL MOUNTING BRACKET
	NEW 4.5kg FIRE EXTINGUISHER IN SEMI-RECESSED ENCLOSURE



1 PLUMBING - SANITARY LAYOUT
SCALE : 1:50

PLUMBING EQUIPMENT SCHEDULE

HWT:
ELECTRIC HOT WATER HEATER, ASME RATED, GLASS LINED TANK, 300 L, 24kW, 240/1/60, 100A, 372 L/hr RECOVERY RATE, 617L FIRST HOUR RATING, 6x4kW ELEMENTS 127kg, 1034 kPa WORKING PRESSURE, INTEGRAL THERMOSTAT CONTROL, ONE MANUAL RESET HIGH TEMPERATURE CUT-OFF PER ELEMENT, TWO CORROSION ANODES
EXP-DHW:
DOMESTIC WATER EXPANSION TANK, 18L TOTAL TANK VOLUME, 19mm INLET, 370mm HIGH X 280mm DIAMETER
TP:
ELECTRONIC TRAP PRIMING ASSEMBLY WITH ENCLOSURE. TRAP PRIMER c/w AIR GAP, WATER HAMMER ARRESTER, SOLENOID VALVE, MANUAL OVERRIDE SWITCH, ELECTRONIC CONTROLLER AND BRASS/COPPER DISTRIBUTION UNIT WHERE REQUIRED. ASSEMBLY TO BE INSTALLED IN A 1.6mm (16 GAUGE) STEEL FLUSH MOUNT CABINET WITH ACCESS DOOR. 115/1/60.
WM:
NUTATING DISC WATER METER, BRONZE BODY CONSTRUCTION, REMOTE READER, LEAD FREE, 19mm DIAMETER.
P-REC:
DOMESTIC HOT WATER RECIRCULATION PUMP, 4.7 L/MIN AT 72 kPa, BRONZE BODY, EC MOTOR, 115/1/60, c/w INTEGRAL CONTROLLER AND TEMPERATURE CONTROL MODE.

PLUMBING GENERAL NOTES

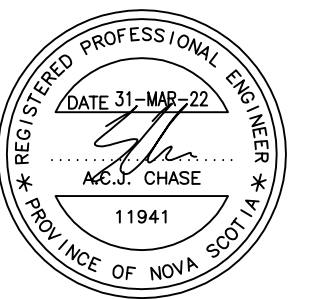
- ALL PLUMBING INSTALLATIONS SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL PLUMBING CODE OF CANADA AND TO THE LOCAL AUTHORITY HAVING JURISDICTION.
- CONTRACTOR SHALL FIELD CHECK, CONFIRM AND SET ALL PIPING INVERT ELEVATIONS PRIOR TO INSTALLING ANY PIPING.
- MINIMUM SIZE OF UNDERGROUND PLUMBING SHALL BE 50mm.
- ALL SANITARY AND STORM PIPING 75mm AND UNDER SHALL HAVE A 2% SLOPE.
- ALL SANITARY AND STORM PIPING 100mm AND LARGER SHALL HAVE A 1% SLOPE.
- EQUIPMENT AND FIXTURE LOCATIONS MAY NOT BE PRECISE. VERIFY LOCATIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION.
- HOLES THROUGH FLOORS AND WALLS, IN A NEAT FASHION, ARE TO BE PROVIDED BY THIS CONTRACTOR.
- PROVIDE FLOOR DRAINS WITH A 100mm DRAIN AND A TRAP SEAL PRIMER PIPE UNLESS INDICATED OTHERWISE.
- INSTALL CLEANOUTS WHERE REQUIRED BY THE NATIONAL PLUMBING CODE OF CANADA TO CLEAN OUT ENTIRE DRAINAGE SYSTEM. WHEN USING A DOUBLE TY, INSTALL CLEANOUT BELOW CONNECTION.
- PROVIDE ISOLATION VALVES ON ALL SINKS.
- PROVIDE ACCESS HATCHES IN GYROCK CEILINGS AND IN OTHER LOCATIONS, AS NOTED IN SPECIFICATIONS.
- INSTALL WATER HAMMER ARRESTORS AS SPECIFIED AND AS RECOMMENDED BY MANUFACTURER.
- INSTALL PIPING ON WARM SIDE OF INSULATION WHERE PIPING OCCURS IN EXTERIOR WALLS.
- ALL PIPING SHALL BE OFF-SET AS REQUIRED TO AVOID DUCTWORK, STRUCTURAL ELEMENTS, ETC.
- ALL FIXTURES SHALL BE PROPERLY VENTED TO THE ATMOSPHERE.
- VENT SIZING TO BE AS PER NATIONAL PLUMBING CODE OF CANADA 2015.
- COORDINATE LOCATIONS OF FLOOR DRAINS IN MECHANICAL ROOMS FOR DRAINAGE OF EQUIPMENT, RELIEF VALVES, ETC. TO AVOID TRIPPING HAZARDS.
- ALL PIPING PENETRATIONS THRU FIRE RATED WALLS/FLOORS TO BE FIRE STOPPED BY THIS CONTRACTOR.
- DUE TO THE SMALL SCALE OF THE DRAWINGS, NOT ALL OFFSETS, FITTINGS, ETC. ARE SHOWN. PROVIDE ALL REQUIRED OFFSETS, FITTINGS, ETC. FOR A COMPLETE WORKING SYSTEM IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL PLUMBING CODE OF CANADA.
- CONTRACTOR TO RUN CONDENSATE LINES AND DRAIN LINES FROM DOUBLE CHECK BFPs, FAN COILS, ETC., TO NEAREST FFD OR STANDPIPE.
- DEVICES THAT REQUIRE ACCESS FOR MAINTENANCE SHALL BE PLACED BY CONTRACTOR SO THAT THEY ARE ACCESSIBLE.
- COORDINATE ALL PIPING PENETRATIONS THRU WALLS AND FLOOR PRIOR TO CONSTRUCTION. MAINTAIN INTEGRITY OF CONSTRUCTION.
- SLOPE ALL DOMESTIC WATER PIPING AT 2% SLOPE BACK TO LOW POINT DRAIN IN THE SYSTEM.
- BUILDING IS UNHEATED DURING THE WINTER. PROVIDE LOW POINT DRAINS AS REQUIRED IN THE SYSTEM TO ALLOW REMOVAL OF ALL WATER FROM THE SYSTEM.
- BUILDING DOMESTIC WATER PIPING AFTER THE BACKFLOW PREVENTER SHALL BE PEX. PROVIDE SUPPORT CHANNELING AS RECOMMENDED BY MANUFACTURER. ENSURE PIPING IS ADEQUATELY SUPPORTED TO PREVENT LOW POINTS IN HORIZONTAL RUNS.



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PARKS CANADA
INGONISH BEACH
INGONISH
WASHROOM AND KIOSK

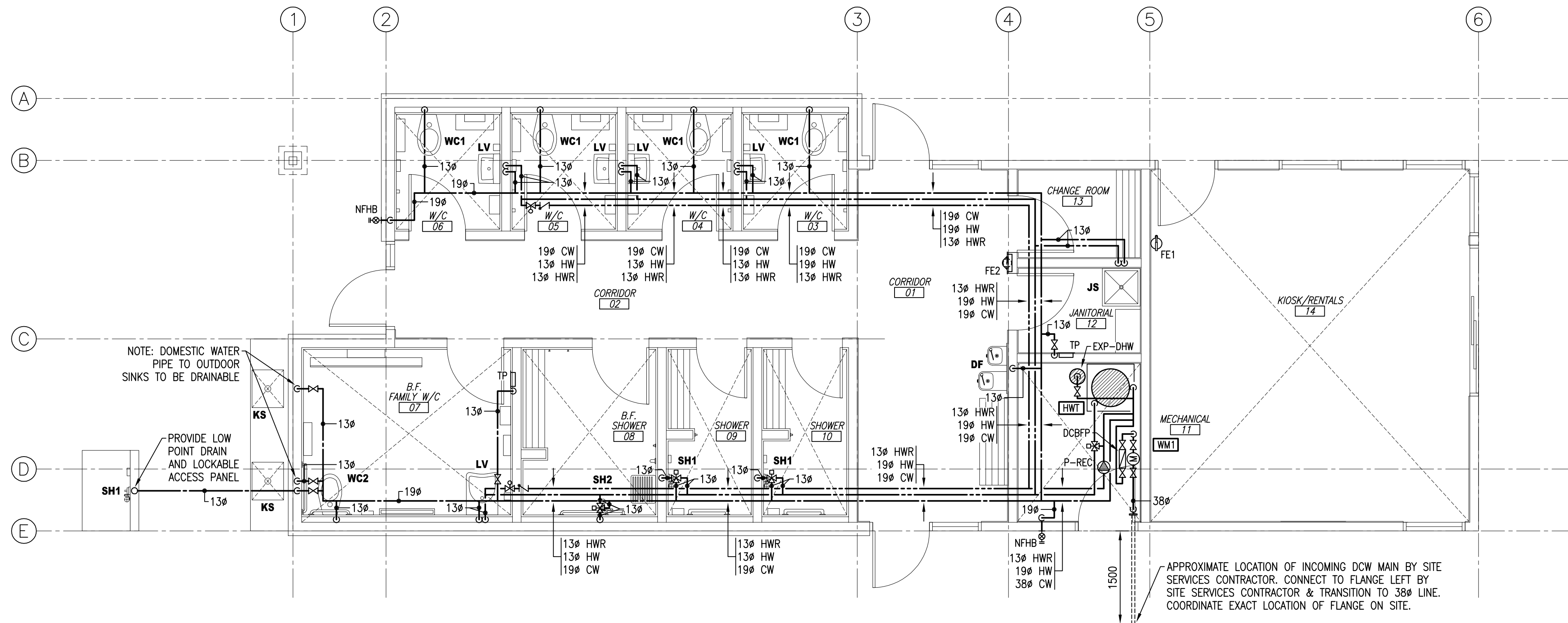
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PLUMBING
SANITARY LAYOUT

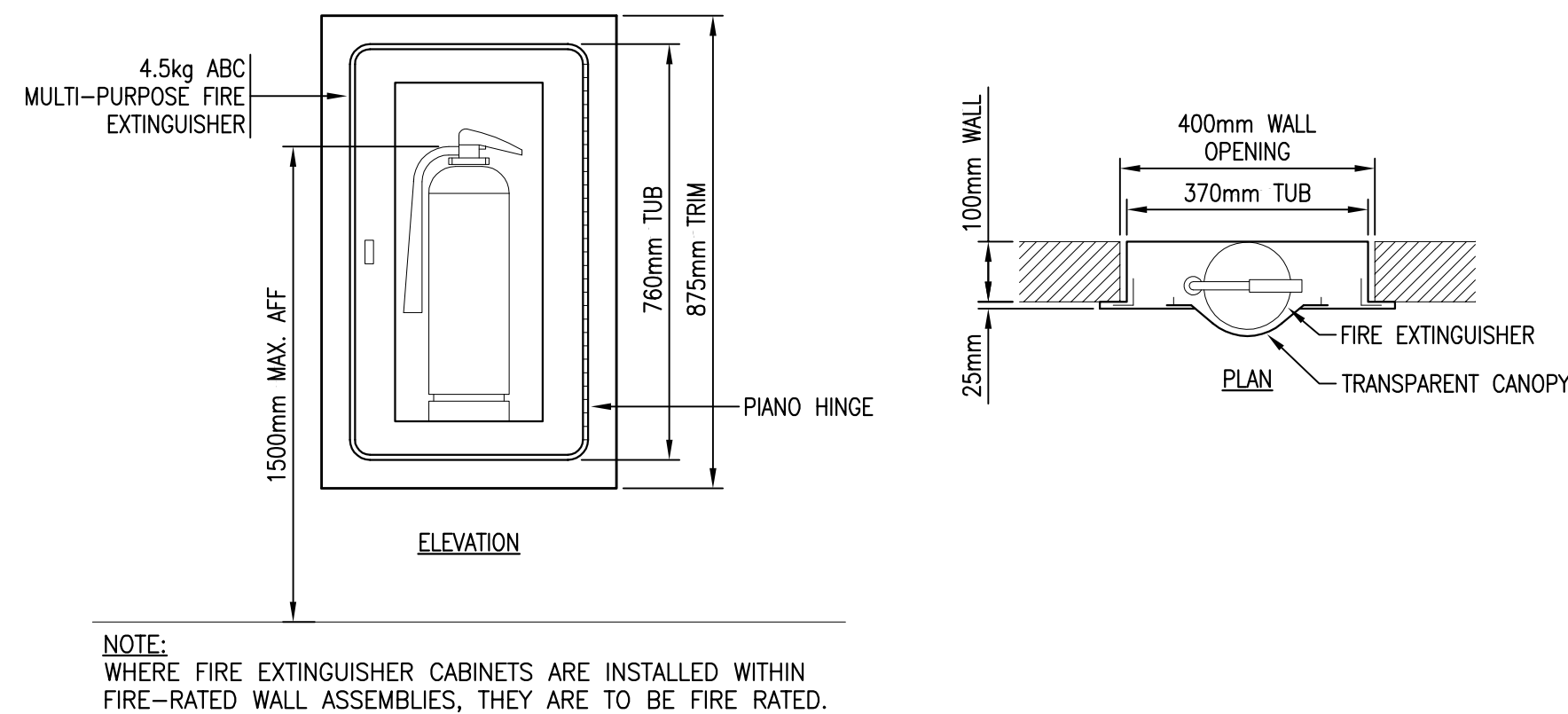
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PWGSC Project Manager	Administrateur de projets TPSGC	
project number	no. du projet	
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drawing no.		no. du dessin
	M-101	

P:\21-119 Ingonish Beach Facilities\Plot\M-102 PLUMBING DOMESTIC WATER LAYOUT.dwg Tuesday, May 24, 2022 2:48:10 PM

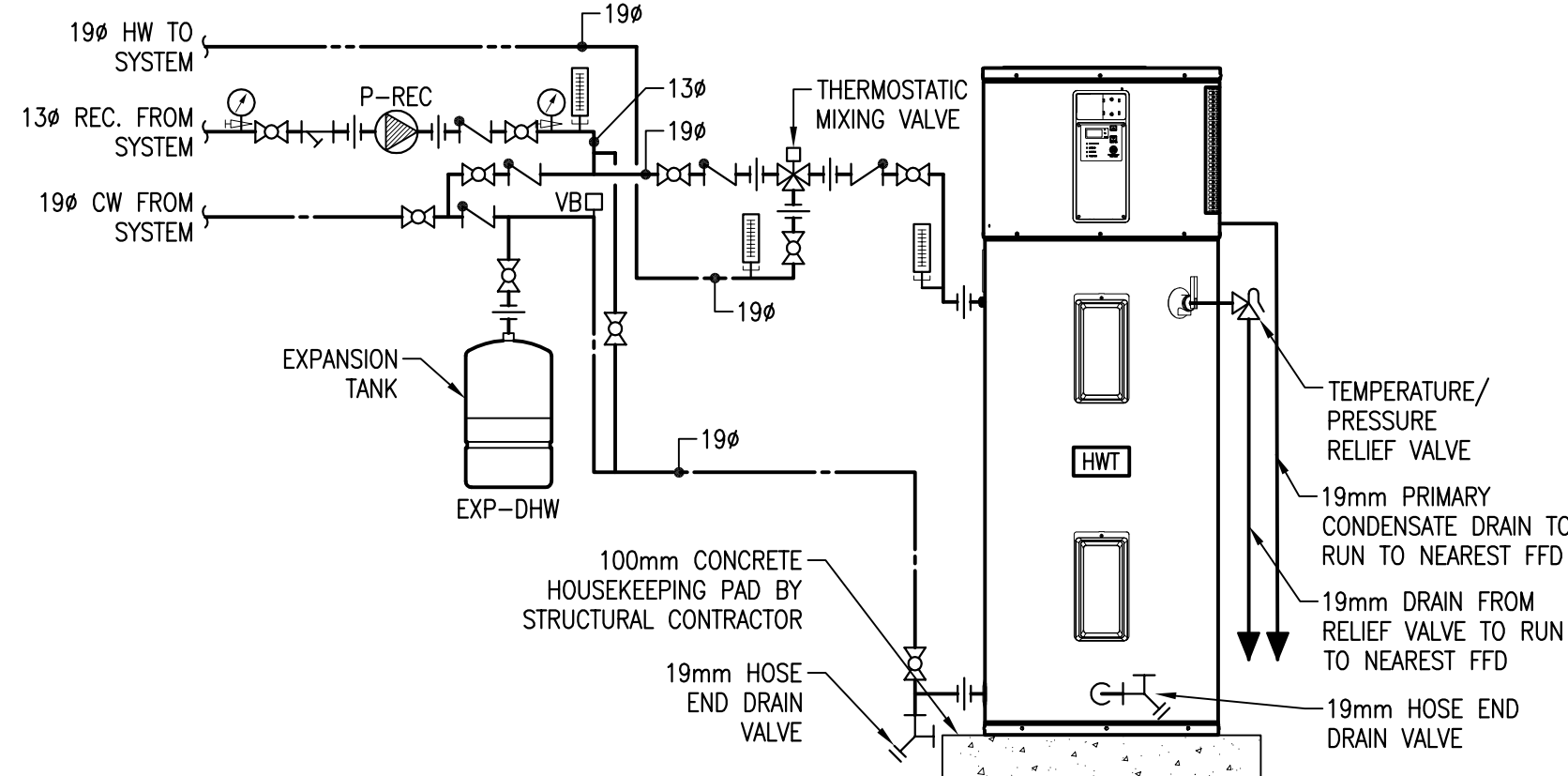
PWSC A1 (2004)



1 PLUMBING – DOMESTIC WATER LAYOUT
SCALE : 1:50



2 SEMI-RECESSED FIRE EXTINGUISHER CABINET DETAIL
N.T.S.



3 DOMESTIC WATER HEATER PIPING DETAIL
N.T.S.

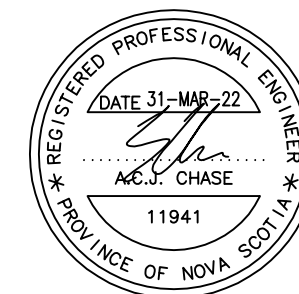
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revisions		date

project project

PARKS CANADA
INGONISH BEACH
INGONISH
WASHROOM AND KIOSK

drawing dessin

PLUMBING
DOMESTIC WATER LAYOUT

designed	ACJC	conçu
date	MAR 31, 2022	
drawn	KKD	dessiné
date	MAR 31, 2022	
approved	ACJC	approuvé
date	MAR 31, 2022	

Tender DUGGAN KENNEDY
PWSC Project Manager Administrateur de projets TPSGC

project number no. du projet

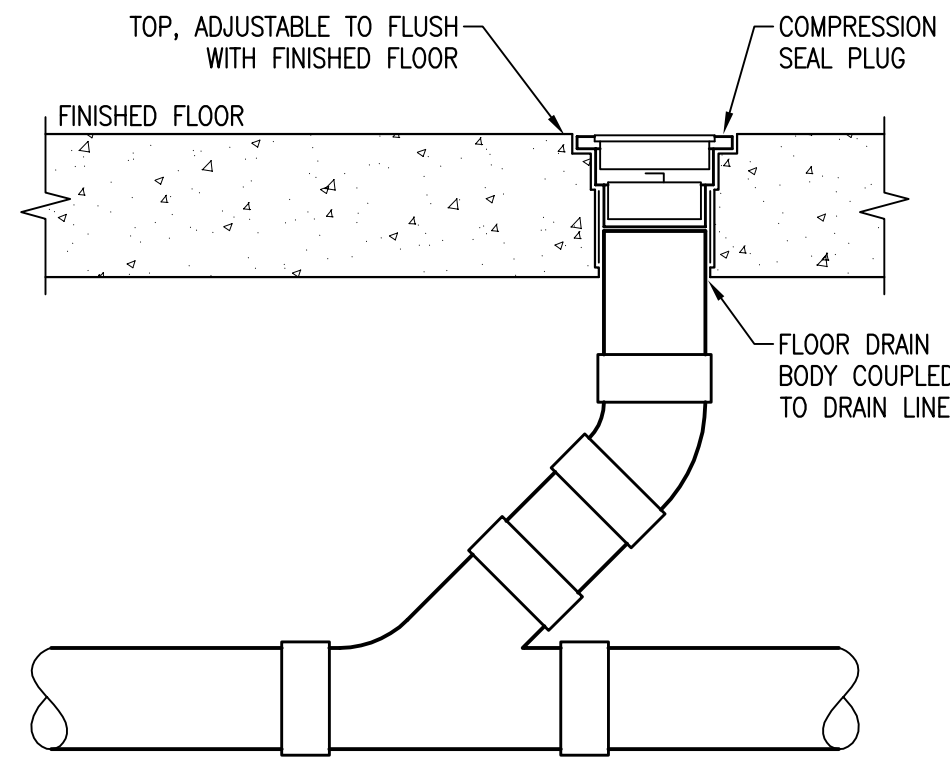
45444241

drawing no. no. du dessin

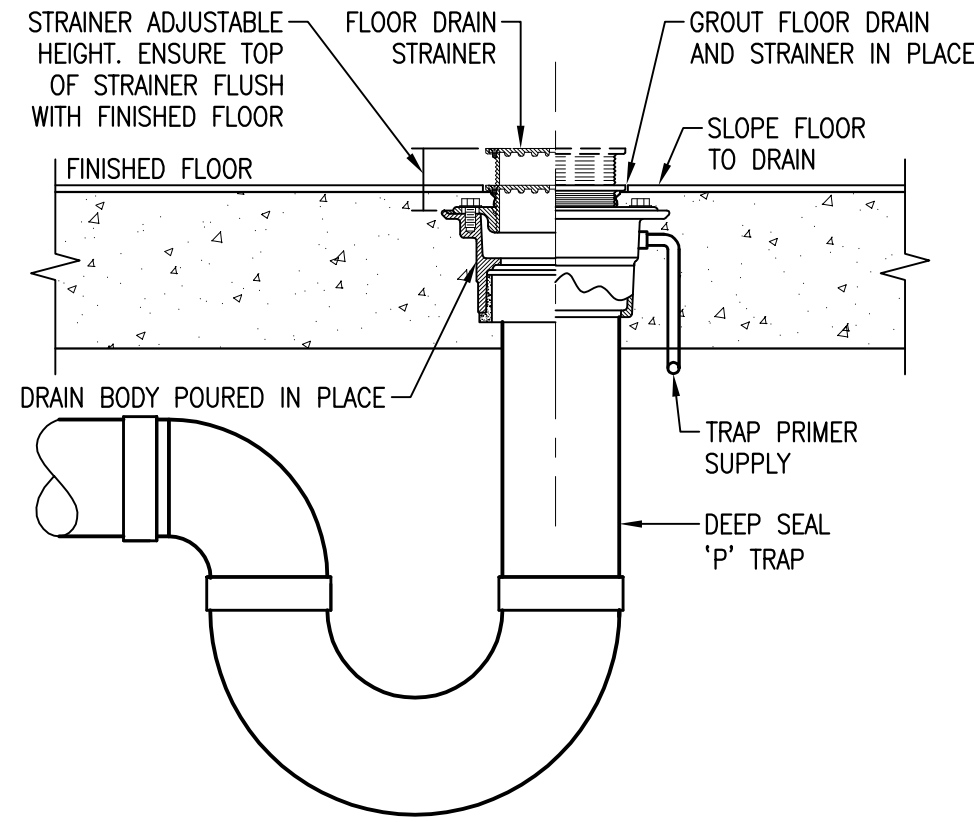
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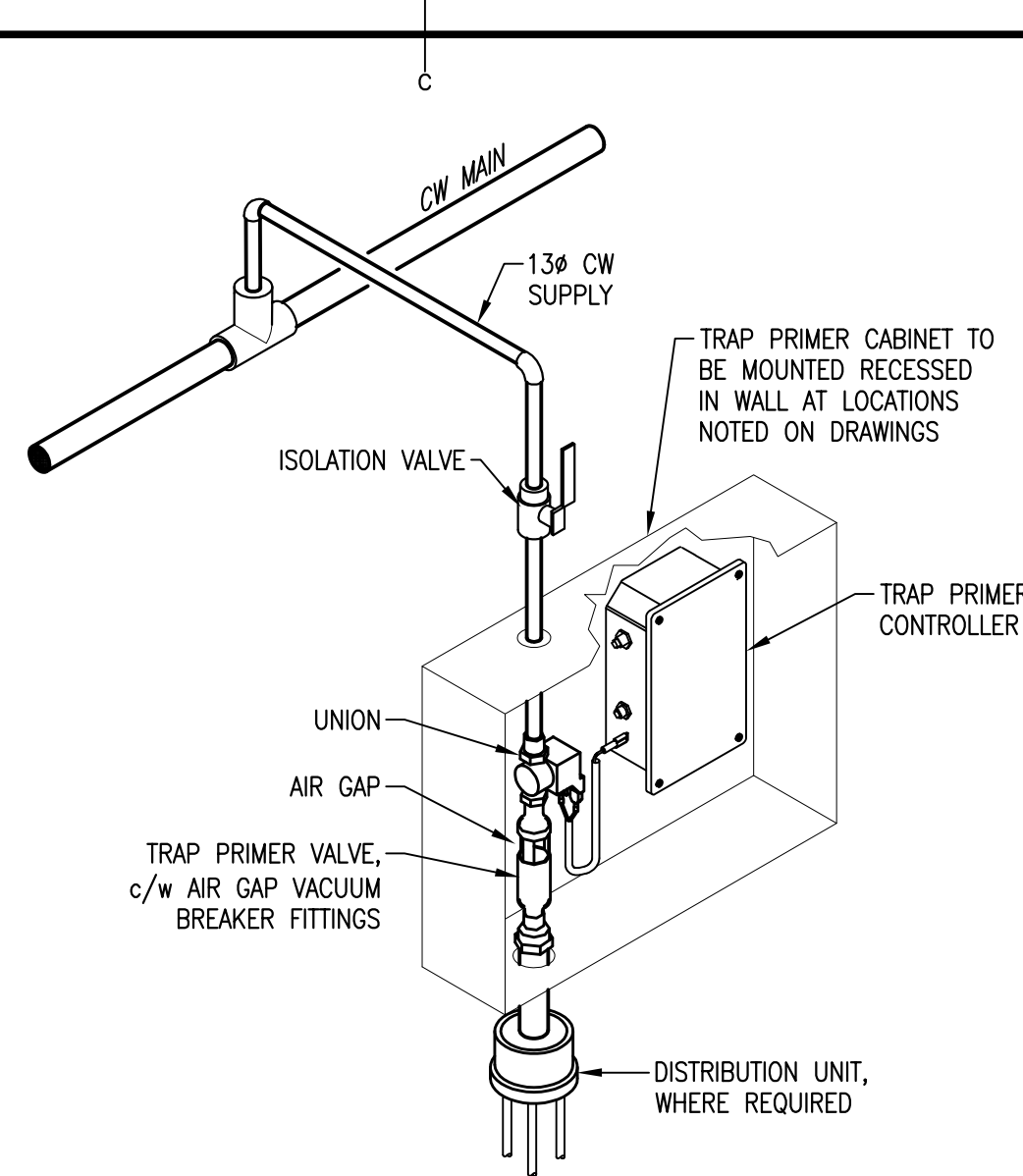
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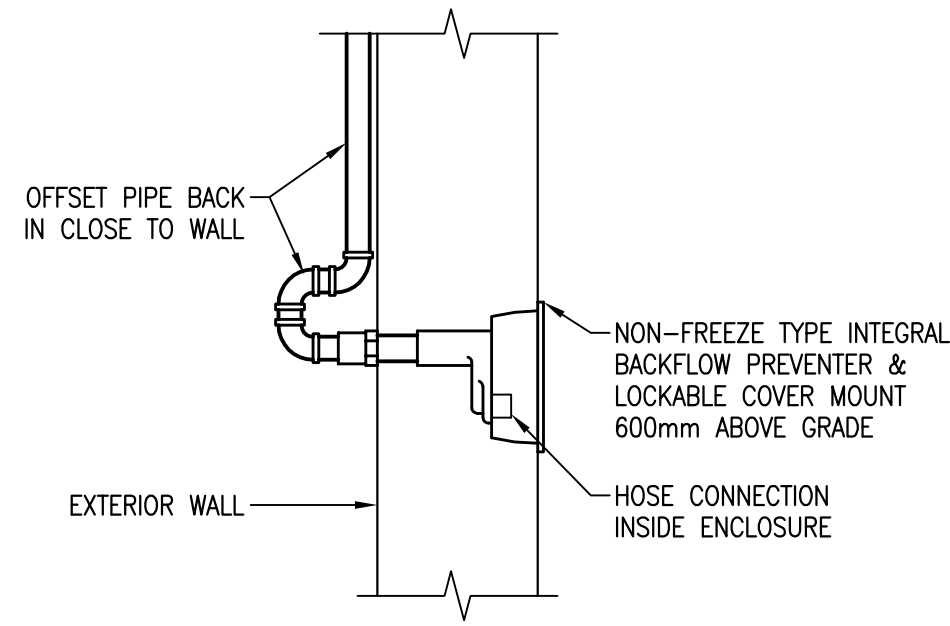
1 FLOOR CLEANOUT DETAIL
M103 N.T.S.



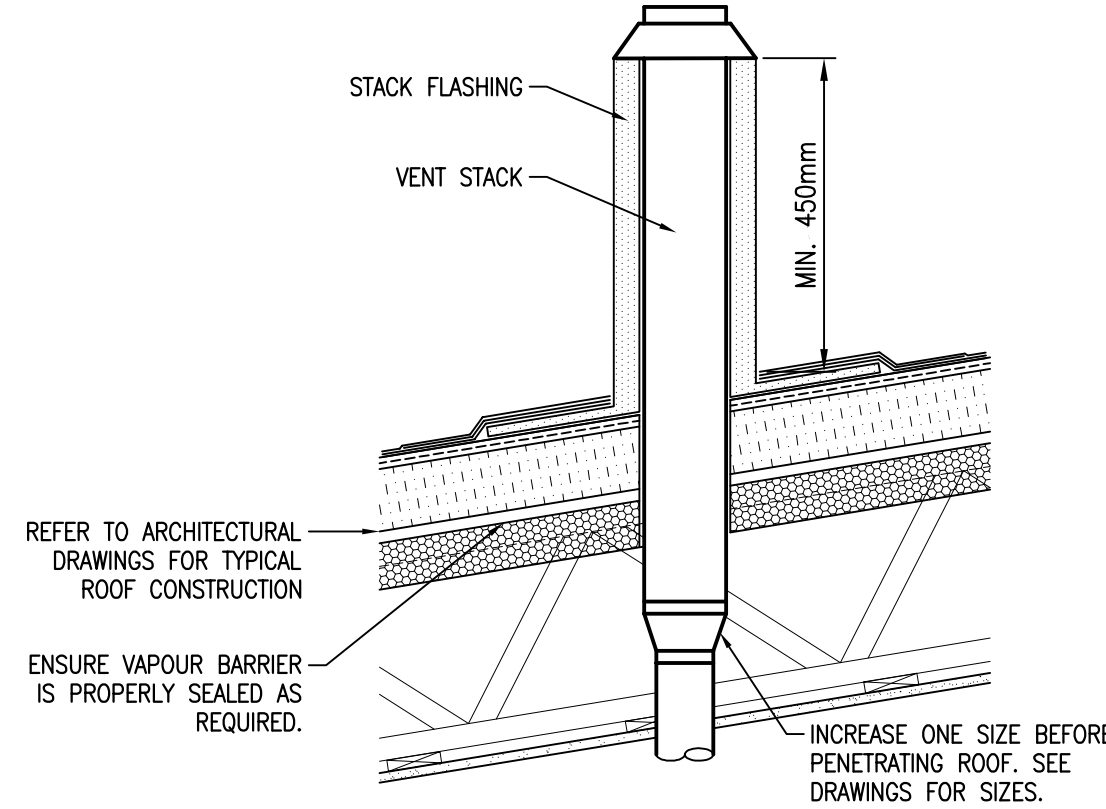
2 FLOOR DRAIN DETAIL
M103 N.T.S.



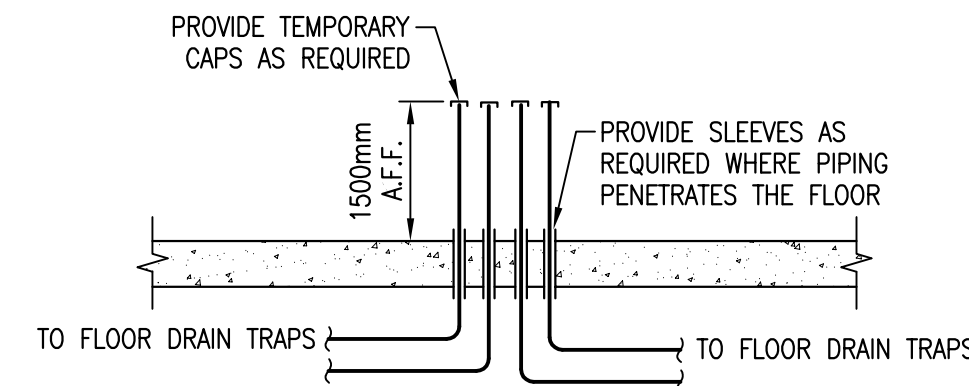
3 TRAP PRIMER VALVE & PIPING DETAIL
M103 N.T.S.



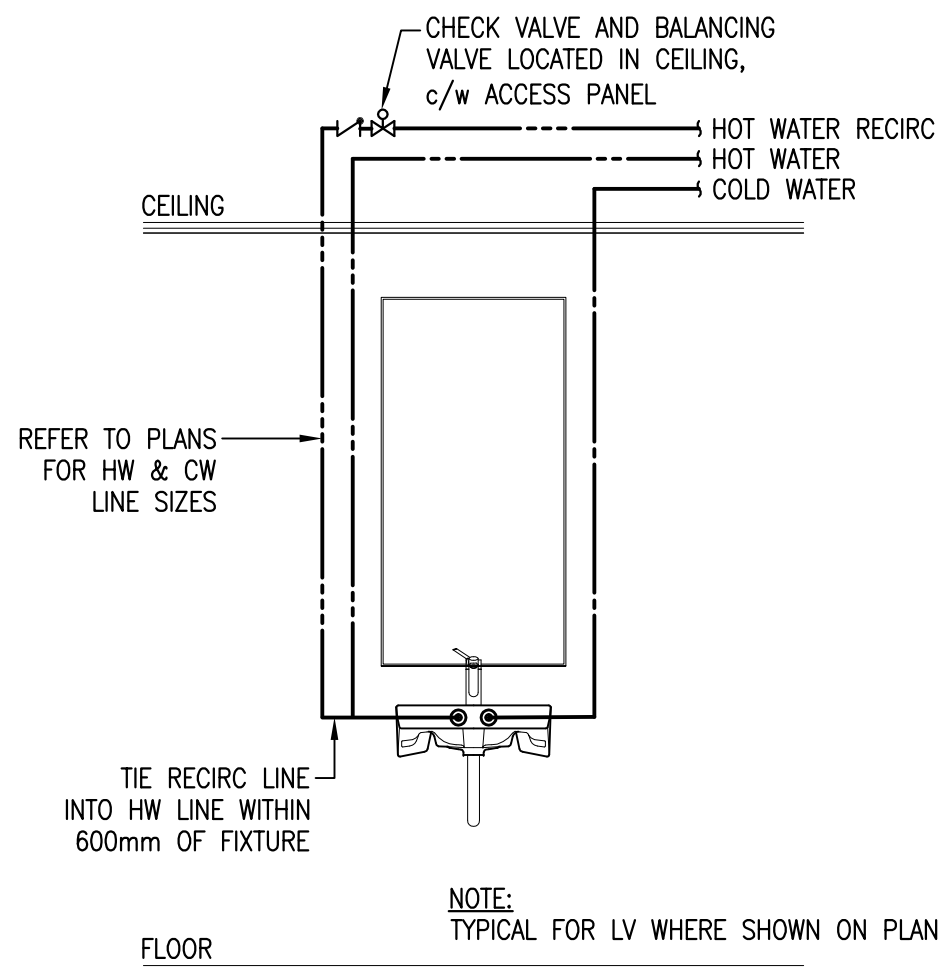
4 NON-FREEZE HOSE BIBB DETAIL
M103 N.T.S.



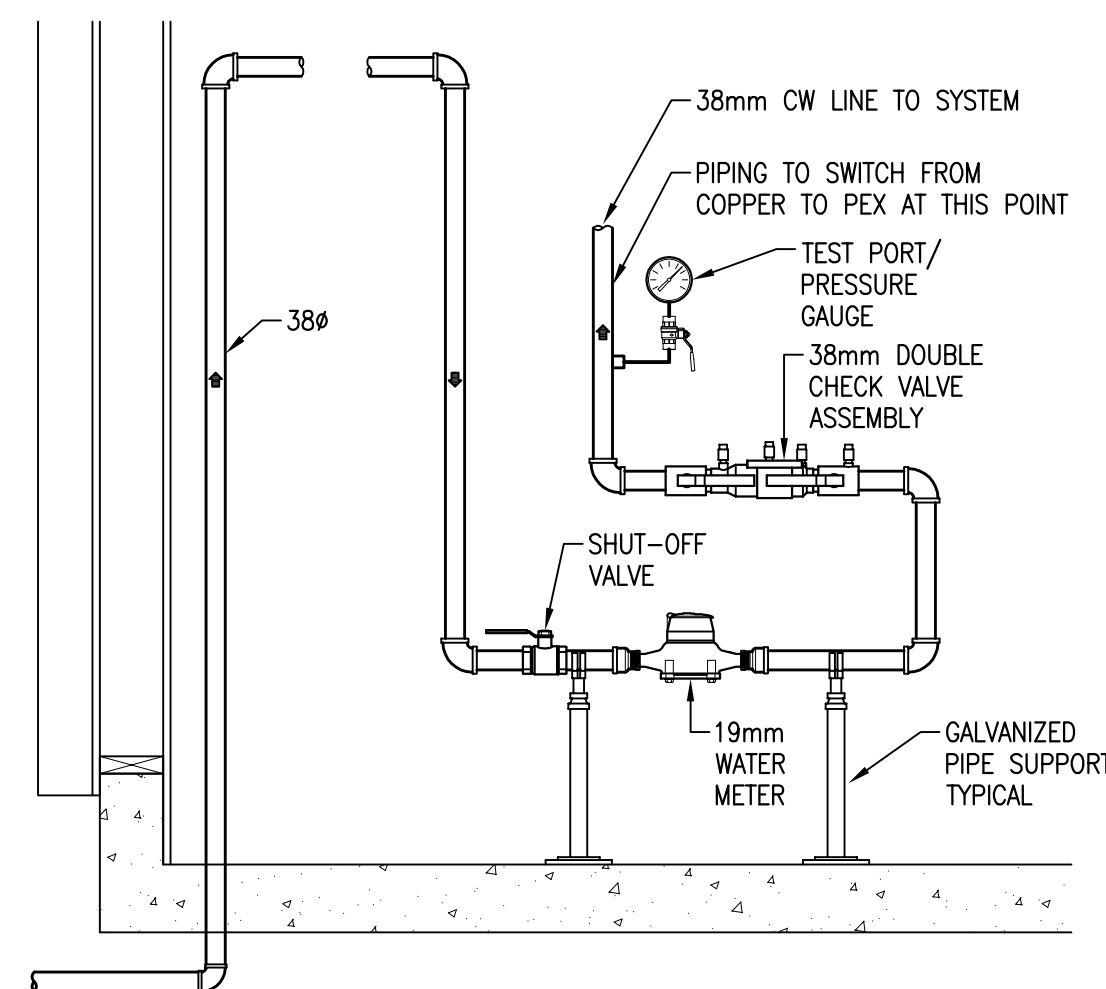
5 SOIL & VENT STACK DETAIL
M103 N.T.S.



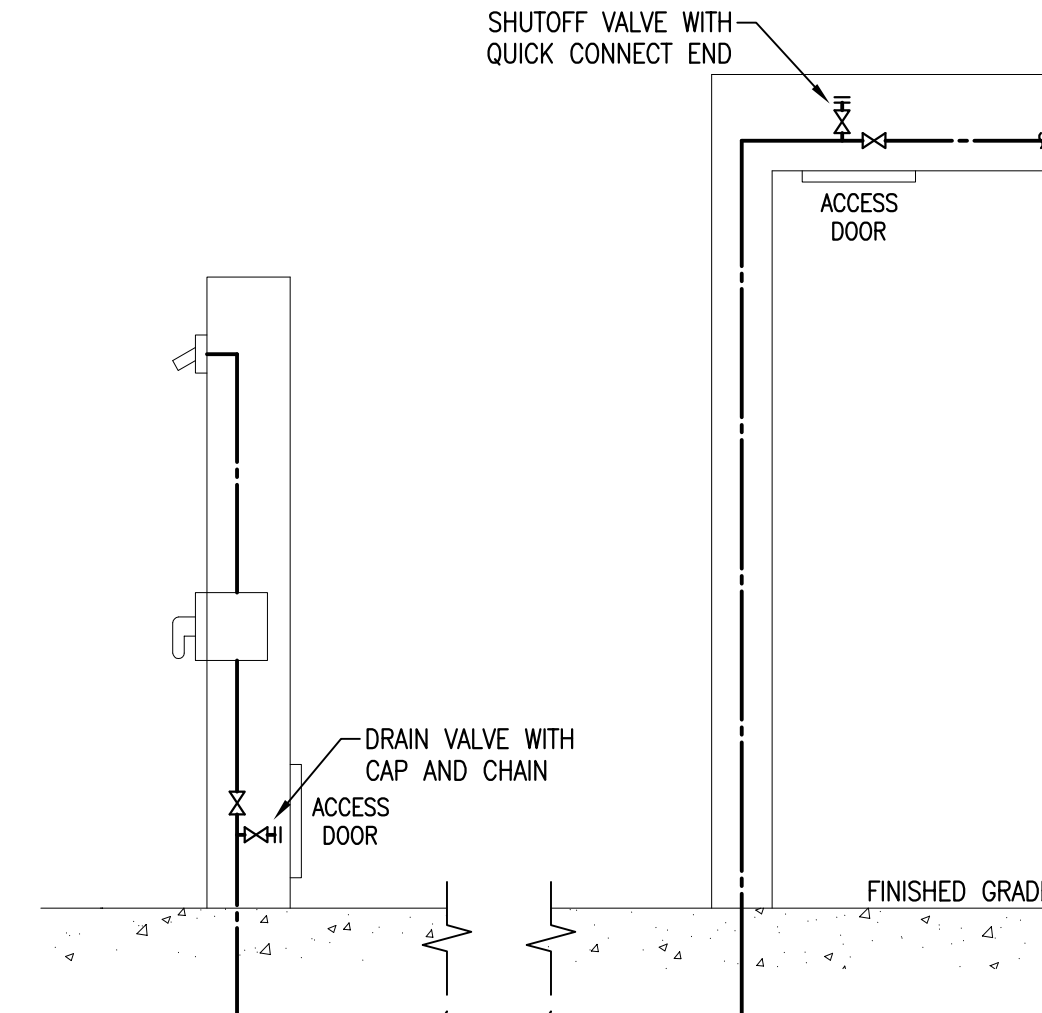
6 TRAP PRIMER PIPING
M103 N.T.S.



7 TYPICAL RECIRC CONNECTION DETAIL
M103 N.T.S.



8 DOMESTIC WATER SERVICE ENTRY DETAIL
M103 N.T.S.



9 OUTDOOR SHOWER DOMESTIC DRAIN DETAIL
M103 N.T.S.

PLUMBING FIXTURE SCHEDULE

WC1 - WATER CLOSET, FLOOR MOUNT, FLUSH TANK

FLOOR-MOUNTED, TWO-PIECE BOWL/TANK COMBINATION, VITREOUS CHINA BOWL RIM 381 MM HEIGHT AFF, LOW CONSUMPTION (4.2 L/FLUSH), TRIP LEVER, BOLT CAPS, ELONGATED BOWL, LOCKABLE TANK, SIPHON JET FLUSH ACTION. CAPABLE OF FULL 50 MM BALL PASS. MAP FLUSH PERFORMANCE (G OF SOLID WASTE REMOVED FROM TOILET IN SINGLE FLUSH): 800 (MIN).

SEAT: WHITE, ELONGATED OPEN FRONT MOLDED SOLID PLASTIC, SS COVER CHECK HINGES, SS OR SOLID BRASS INSERT POSTS. SEAT TO BE SUPPLIED BY WATER CLOSET MANUFACTURER.

SUPPLY: FLEXIBLE, SS BRAIDED SUPPLY, HEAVY DUTY ANGLE STOPS, 13 MM INLET X 915 MM LONG.

WC2 - WATER CLOSET, FLOOR MOUNT, FLUSH TANK, BARRIER FREE

FLOOR-MOUNTED (BARRIER-FREE), TWO-PIECE BOWL/TANK COMBINATION, VITREOUS CHINA BOWL RIM 419 MM HEIGHT AFF, LOW CONSUMPTION (4.2 L/FLUSH), TRIP LEVER LOCATED ON TURNING RADIUS SIDE OF TANK IN WASHROOM, BOLT CAPS, TANK, ELONGATED BOWL, SIPHON JET FLUSH ACTION, LOCKING TANK. CAPABLE OF FULL 50 MM BALL PASS. MAP FLUSH PERFORMANCE (GRAMS OF SOLID WASTE REMOVED FROM TOILET IN SINGLE FLUSH): 800 (MIN). ADA COMPLIANT

SEAT: WHITE, ELONGATED OPEN FRONT MOLDED SOLID PLASTIC WITH COVER, SS COVER CHECK HINGES, SS OR SOLID BRASS INSERT POSTS. SEAT TO BE SUPPLIED BY WATER CLOSET MANUFACTURER.

SUPPLY: FLEXIBLE, SS BRAIDED SUPPLY, HEAVY DUTY ANGLE STOPS, 13 MM INLET X 915 MM LONG.

LV - LAVATORY, WALL MOUNTED, BARRIER FREE

LAVATORY: WALL HUNG - 18 GA TYPE 304 SS SATIN FINISH RIM AND BOWL - NO FAUCET HOLE DRILLING - UNDERCOATED TO REDUCE CONDENSATION AND RESONANCE.

FAUCET: LEAD-FREE BRASS, CHROME PLATED BRASS BODY, WITH BLADE HANDLES, 1.9 L/M, 100 MM CENTERS.

WASTE: CHROME PLATED AND BRASS GRID STRAINER

TRAP: CHROME PLATED BRASS WITH CLEANOOUT.

SUPPLIES: BRAIDED STAINLESS STEEL RISERS WITH SCREWDRIVER STOPS.

JS1 - JANITOR SINK

FLOOR MOUNTED MOP SINK

SINK: MOLDED STONE, 900mm x 600mm x 250mm (36"x24"x10") DEEP COMPLETE WITH STAINLESS STEEL BUMPER GUARDS, STAINLESS STEEL WALL GUARDS, CHROME PLATED BRASS DRAIN WITH STAINLESS STEEL STRAINER AND LINT BASKET, MOP HANGER, HOSE AND WALL HOOK

FAUCET: ROUGH CHROME PLATED CAST BRASS, INTEGRAL STOPS, INLINE VACUUM BREAKER, WALL BRACE, HOSE END SPOUT, LEVEL HANDLES.

KS - KITCHEN SINK

DECK MOUNTED STAINLESS STEEL KITCHEN SINK

SINK: SINGLE BOWL, OVERALL DIMENSIONS 500mm x 450mm x 200mm DEEP, 18 GA., TYPE 304 STAINLESS STEEL, #4 SATIN FINISH

FAUCET: CAST BRASS, POLISHED CHROME PLATED FINISH, DECKMOUNT, SMOOTH END LAMINAR FLOW, 150mm (6") LIMITED SWING GOOSENECK SPOUT, BLADE HANDLES, 200mm (8") CENTERS.

TRAP: CAST BRASS P-TRAP WITH 17 GA. TUBULAR EXTENSION, POLISHED CHROME PLATED FINISH, BELL WALL FLANGE, BRASS NUTS, WITH CLEANOOUT.

SUPPLIES: CAST BRASS/COPPER, POLISHED CHROME PLATED FINISH, QUARTER TURN ANGLE BALL VALVE, NIPPLE AND FLEXIBLE RISERS.

DF - DRINKING FOUNTAIN

BI-LEVEL VANDAL RESISTANT DRINKING FOUNTAIN W BOTTLE FILL STATION, STAINLESS STEEL, WALL MOUNTED, FRONT BUTTON, LAMINAR FLOW, 30 L/HR CHILLING CAPACITY, SUITABLE FOR INDOOR/OUTDOOR APPLICATIONS, SINGLE POWER CONNECTION, 115v/1/60, 370 W, 53 kg, GREEN TICKER INDICATING NUMBER OF BOTTLES SAVES, ADA COMPLIANT, R-134A, LEAD FREE

TRAP: CAST BRASS P-TRAP WITH 17 GA. TUBULAR EXTENSION, POLISHED CHROME PLATED FINISH, BELL WALL FLANGE, BRASS NUTS, WITH CLEANOOUT

SUPPLY: BRAIDED STAINLESS STEEL WITH SCREWDRIVER STOP

SH1 - SHOWER

TRIM: PUSH BUTTON ELECTRONIC SHOWER SYSTEM, HARDWARE COMPLETE WITH STAINLESS STEEL COVER WITH STAINLESS STEEL VANDAL RESISTANT MOUNTING SCREWS, 250MM (10") METAL MOUNTING BOX, THERMOSTATIC MIXING VALVE, FIELD ADJUSTABLE SHOWER TIME, SOLENOID VALVE, INTEGRAL STOP, 30" INSTITUTIONAL VANDAL RESISTANT WALLMOUNT SHOWER HEAD, FLOW RATE MAX: 5.7 LPM @ 552 kPa

SH2 - SHOWER, BARRIER FREE

TRIM: PUSH BUTTON ELECTRONIC SHOWER SYSTEM, ADA COMPLIANT, HARDWARE COMPLETE WITH STAINLESS STEEL COVER WITH STAINLESS STEEL VANDAL RESISTANT MOUNTING SCREWS, 250MM (10") METAL MOUNTING BOX, THERMOSTATIC MIXING VALVE, FIELD ADJUSTABLE SHOWER TIME, SOLENOID VALVE, INTEGRAL STOP, 610MM (24") STAINLESS STEEL SLIDE BAR, FLOW RATE MAX: 5.7 LPM @ 552 kPa

PLUMBING FIXTURE AND EQUIPMENT CONNECTION SCHEDULE

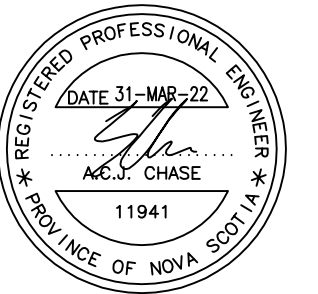
MARK	EQUIPMENT/FIXTURE TYPE	PIPE SIZE (mm)				
		DOMESTIC WATER		SANITARY		VENT
		CW	HW	DIRECT	INDIRECT	
WC1	WATER CLOSET, FLOOR MOUNT, FLUSH TANK	13	-	75	-	38
WC2	WATER CLOSET, FLOOR MOUNT, FLUSH TANK, BARRIER FREE	13	-	75	-	38
LV	LAVATORY, COUNTER TOP, BARRIER FREE	13	13	32	-	32
JS1	JANITOR SINK	13	13	50	-	38
KS	KITCHEN SINK	13	13	38	-	38
DF	DRINKING FOUNTAIN	13	-	38	-	38
SH1	SHOWER	13	13	-	-	-
SH2	SHOWER, BARRIER FREE	13	13	-	-	-



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project projet

PARKS CANADA
INGONISH BEACH
INGONISH
WASHROOM AND KIOSK

drawing dessin

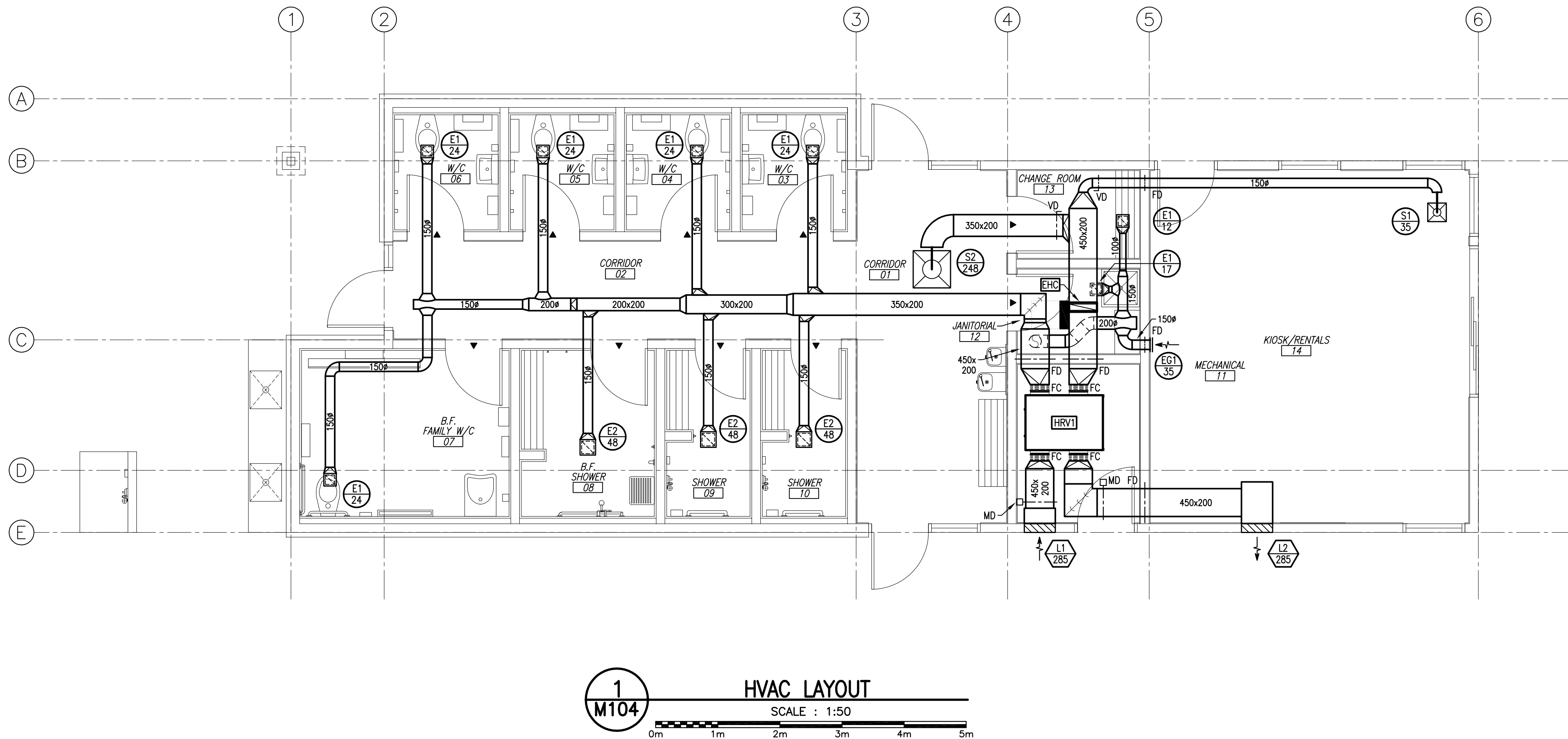
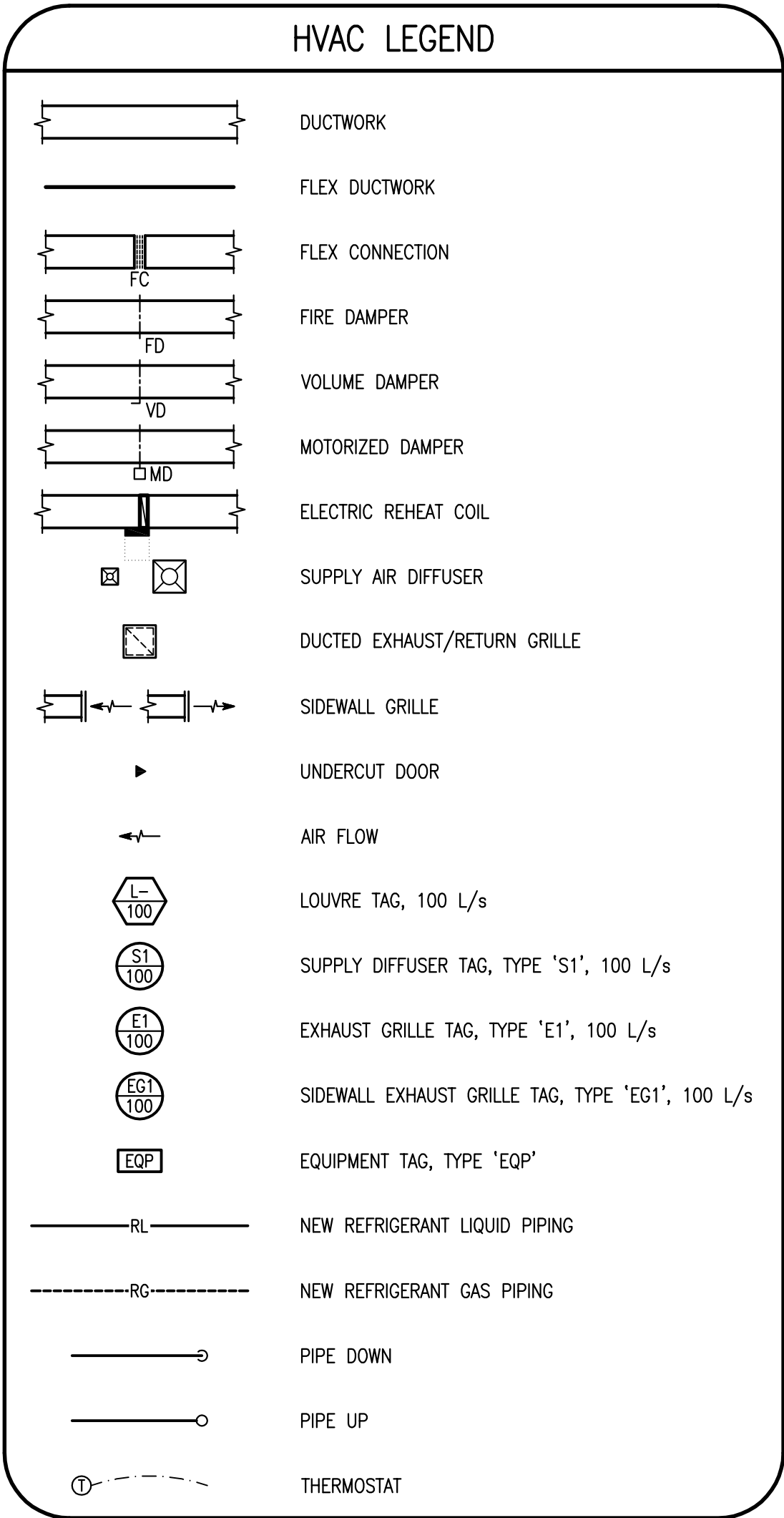
PLUMBING SCHEDULES & DETAILS

designed	ACJC	conçu
date	MAR 31, 2022	
drawn	KKD	dessiné
date	MAR 31, 2022	
approved	ACJC	approuvé
date	MAR 31, 2022	
Tender	DUGGAN KENNEDY	Soumission
PWGSC Project Manager	Administrateur de projets TPSGC	
project number	no. du projet	
45444241		
drawing no.	no. du dessin	
M-103		

F:\21-119 Ingonish Beach Facilities\Plot\M-104 HVAC LAYOUT.dwg Tuesday, May 24, 2022 2:49:24 PM

PWGSC A1 (2004)

0 10 20mm 40 60 80 100 120 140 160 180 200mm



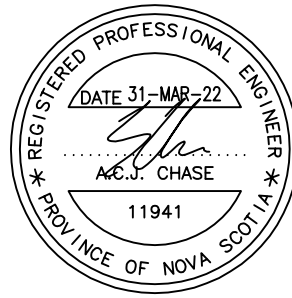
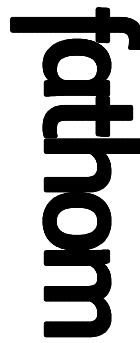
- HVAC GENERAL NOTES**
1. ALL DUCTWORK IS TO BE RUN SQUARE & LEVEL AND JOINTS ARE TO BE KEPT NEAT & CLEAN.
 2. INSULATE DUCTWORK AS INDICATED ON DRAWINGS AND AS PER SPECIFICATIONS.
 3. COORDINATE ALL PIPING & DUCTWORK PENETRATIONS THROUGH WALLS PRIOR TO CONSTRUCTION. MAINTAIN INTEGRITY OF CONSTRUCTION.
 4. ALL DUCT AND PIPING PENETRATIONS THRU FIRE RATED WALLS TO BE FIRE STOPPED BY THIS CONTRACTOR.
 5. INSTALL BALANCING DAMPERS ON ALL DUCT BRANCHES TO SUPPLY DIFFUSERS, RETURN/EXHAUST GRILLES, AND AS INDICATED.
 6. DEVICES THAT REQUIRE ACCESS FOR MAINTENANCE SHALL BE PLACED BY CONTRACTOR SO THAT THEY ARE ACCESSIBLE.
 7. PROVIDE ACCESS HATCHES IN GYROCK CEILINGS AND IN OTHER LOCATIONS, AS NOTED IN SPECIFICATIONS.
 8. COORDINATE HVAC INSTALLATION WITH OTHER TRADES TO AVOID CONFLICT WITH PIPING, LIGHTING, AND OTHER DEVICES.

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project project

**PARKS CANADA
INGONISH BEACH
INGONISH
WASHROOM AND KIOSK**

drawing dessin

HVAC LAYOUT

designed	ACJC	conçu
date	MAR 31, 2022	
drawn	KKD	dessiné
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date	MAR 31, 2022	

Tender DUGGAN KENNEDY
PWGSC Project Manager Administrateur de projets TPSGC
project number no. du projet

45444241

drawing no. no. du dessin

M-104

E-DRM/GDD-E:

P:\21-119 Ingonish Beach Facilities\Proj\HVAC SCHEDULES & DETAILS.dwg
Tuesday, May 24, 2022 2:49:32 PM

1 TAKE-OFF BOOT ON SUPPLY DETAIL
M105 N.T.S.

2 HANGERS FOR DUCTS UP THROUGH MAXIMUM 900mm DIA
M105 N.T.S.

3 WALL PENETRATION - DUCTWORK
M105 N.T.S.

4 VERTICAL FIRE DAMPER DETAIL
M105 N.T.S.

MAX. DUCT DIMENSION (mm)	MIN. ATTACH RATING (kg)	ROD HANGER SIZE (mm)	NO. OF HANGERS	TRAPEZE ANGLE (mm)	MAX. SPACING
UP THRU. 450	340	6	2	38x38x3	3050mm
475 TO 900	450	6	2	38x38x3	3050mm
925 TO 1525	900	9	2	50x50x6	2400mm
1550 TO 3000	1080	9	2	50x50x6	2400mm

5 ALTERNATE HANGERS FOR RECTANGULAR DUCTS UP TO 3.0m MAXIMUM DIMENSION
M105 N.T.S.

6 LAY-IN TYPE DIFFUSER DETAIL
M105 N.T.S.

7 INTAKE/EXHAUST UNDRAINED SLOPED PLENUM DETAIL
M105 N.T.S.

8 RETURN/EXHAUST GRILLE CONNECTION DETAIL
M105 N.T.S.

9 TYPICAL INSULATED ACCESS DOOR DETAIL
M105 N.T.S.

10 TYPICAL UNINSULATED ACCESS DOOR DETAIL
M105 N.T.S.

11 ENERGY RECOVERY VENTILATOR (ERV1)
M105 N.T.S.

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PARKS CANADA
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WASHROOM AND KIOSK

DOOR GRILLE SCHEDULE					
MARK	TYPE	STYLE	DIMENSIONS LENGTH (mm) HEIGHT (mm)	AIRFLOW (L/s)	COMMENTS
◀	UNDERCUT DOOR	—	13mm UNDERCUT, 13mm OVERCUT	—	—

ELECTRIC COIL SCHEDULE									
MARK	MANUFACTURER	SERVICE	MODEL	DIMENSIONS WIDTH (mm) HEIGHT (mm)	AIRFLOW (L/s)	VELOCITY (m/s)	CAPACITY (kW)	VOLTAGE	COMMENTS
EHC	THERMOLEC	ERV1	FC	450 200	285	3.5	6.5	208/1	CONTROL PANEL TO MATCH DUCT HEIGHT, SCR CONTROL, 0-10V INPUT, AUTOMATIC CUT-OFF, MANUAL CUT-OFF, BUILT IN AIRFLOW SENSOR, FLANGED CONNECTIONS

CEILING EXHAUST GRILLE SCHEDULE							
MARK	TYPE	STYLE	NECK SIZE (mm)	FACE SIZE (mm)	CAPACITY (L/s)	NC LEVEL	SP (Pa)
E1	AIRFOIL RETURN	EXTRUDED ALUMINUM, FIXED 45° DEFLECTION	150x150	200x200	0-30	NC-17	17.4
E2	AIRFOIL RETURN	EXTRUDED ALUMINUM, FIXED 45° DEFLECTION	200x200	250x250	31-65	NC-21	17.4

ENERGY RECOVERY VENTILATOR SCHEDULE												
MARK	ARRANGEMENT	TYPE	LOCATION	SERVING	SUPPLY/EXHAUST FAN				ELECT. DATA	CORE PERFORMANCE EFFECTIVENESS		
					AIRFLOW (L/s)	ESP (Pa)	FAN RPM	POWER CONSUMED		SUMMER TOTAL	WINTER TOTAL	WINTER SENSIBLE
ERV1	CEILING-CONCEALED, HORIZONTAL	HIGH LATENT TRANSFER ENTHALPIC CORE	MECHANICAL	—	285	125	—	600W	230/1	56%	72%	73%

LOUVRE SCHEDULE							
MARK	TYPE	STYLE	SERVING	AIRFLOW (L/s)	PD (Pa)	DIMENSIONS LENGTH (mm) HEIGHT (mm)	FREE AREA (m²)
L1	150mm DEEP DRAINABLE LOUVRE	EXTRUDED ALUMINUM, FIXED 35° BLADES	ERV1	285	—	500 400	—
L2	150mm DEEP DRAINABLE LOUVRE	EXTRUDED ALUMINUM, FIXED 35° BLADES	ERV1	285	—	450 300	—

SIDEWALL EXHAUST GRILLE SCHEDULE							
MARK	TYPE	STYLE	NECK SIZE (mm)	FACE SIZE (mm)	CAPACITY (L/s)	NC LEVEL	SP (Pa)
EG1	AIRFOIL RETURN	EXTRUDED ALUMINUM, FIXED 45° DEFLECTION	150X150	200X200	35	—	—

CEILING SUPPLY DIFFUSER SCHEDULE							
MARK	TYPE	STYLE	NECK SIZE (mm)	FACE SIZE (mm)	CAPACITY (L/s)	NC LEVEL	SP (Pa)
S1	SQUARE CONE	FIXED PATTERN	125ø	300x300	0-55	NC-25	10.0
S2	SQUARE CONE	FIXED PATTERN	300ø	600x600	56-280	NC-25	5.0

HVAC
SCHEDULES & DETAILS

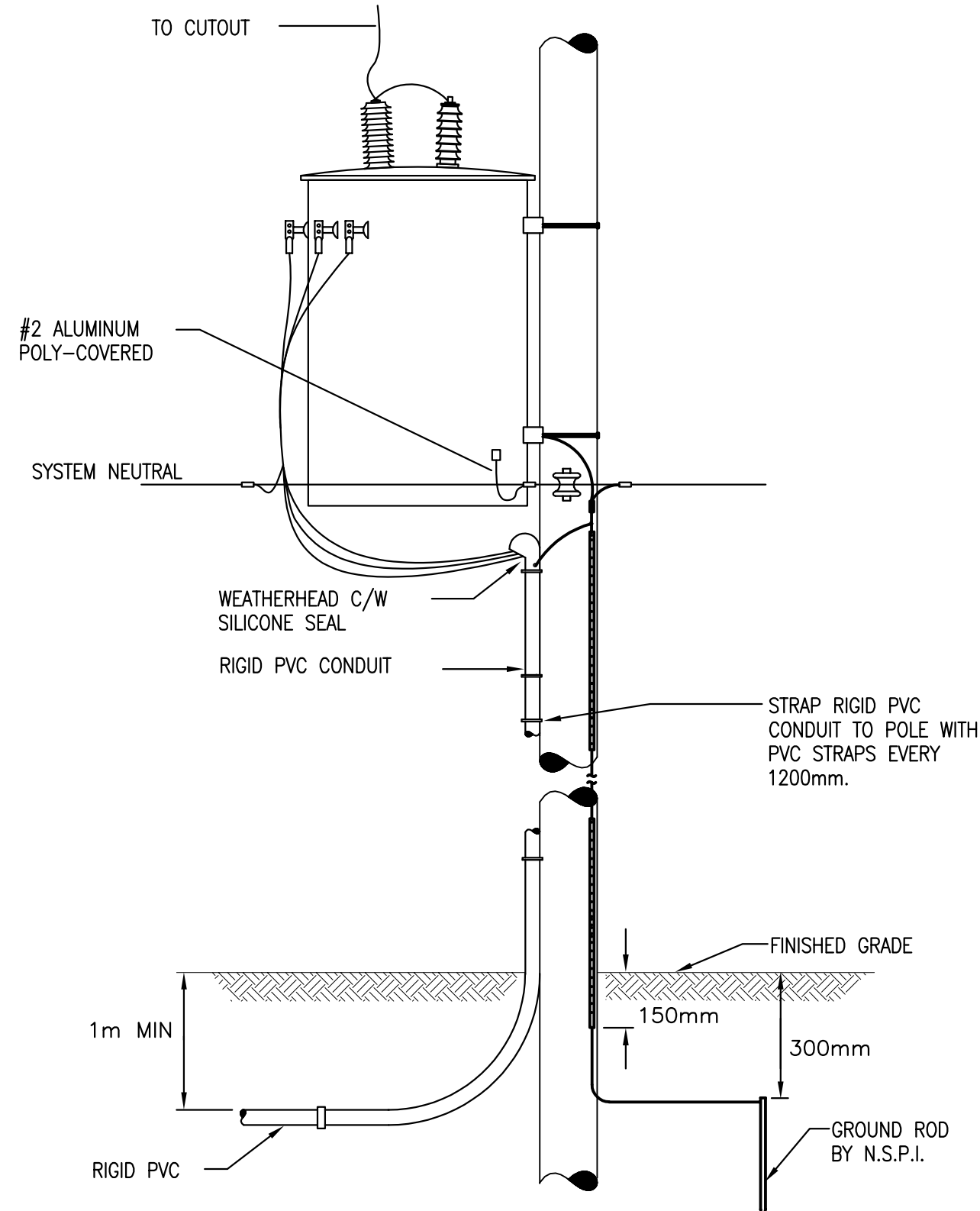
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Tender	DUGGAN KENNEDY	Soumission
PWGSC Project Manager	Administrateur de projets TPSGC	
project number	no. du projet	
45444241		
drawing no.	no. du dessin	
M-105		

PWGSC A1 (2004)

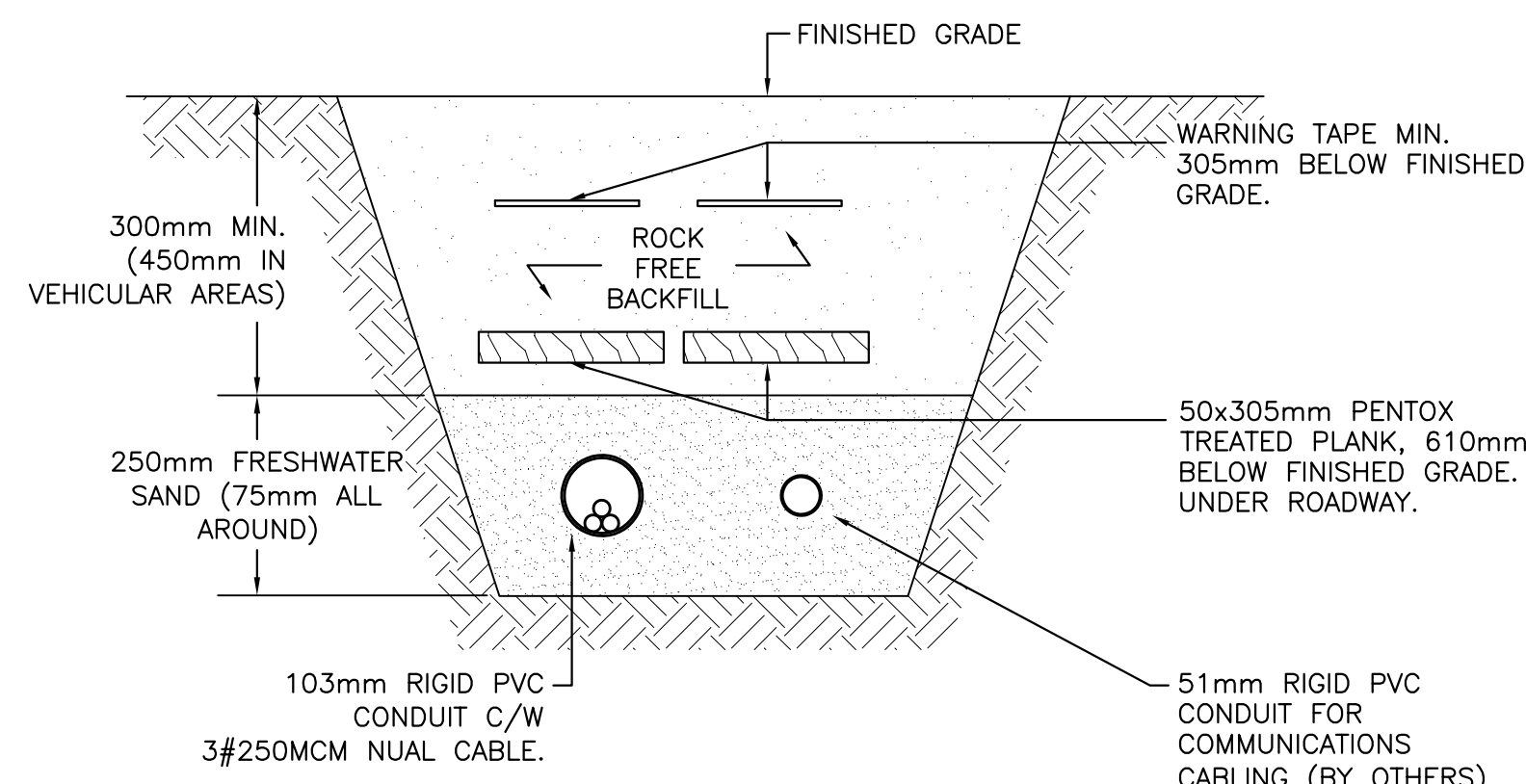
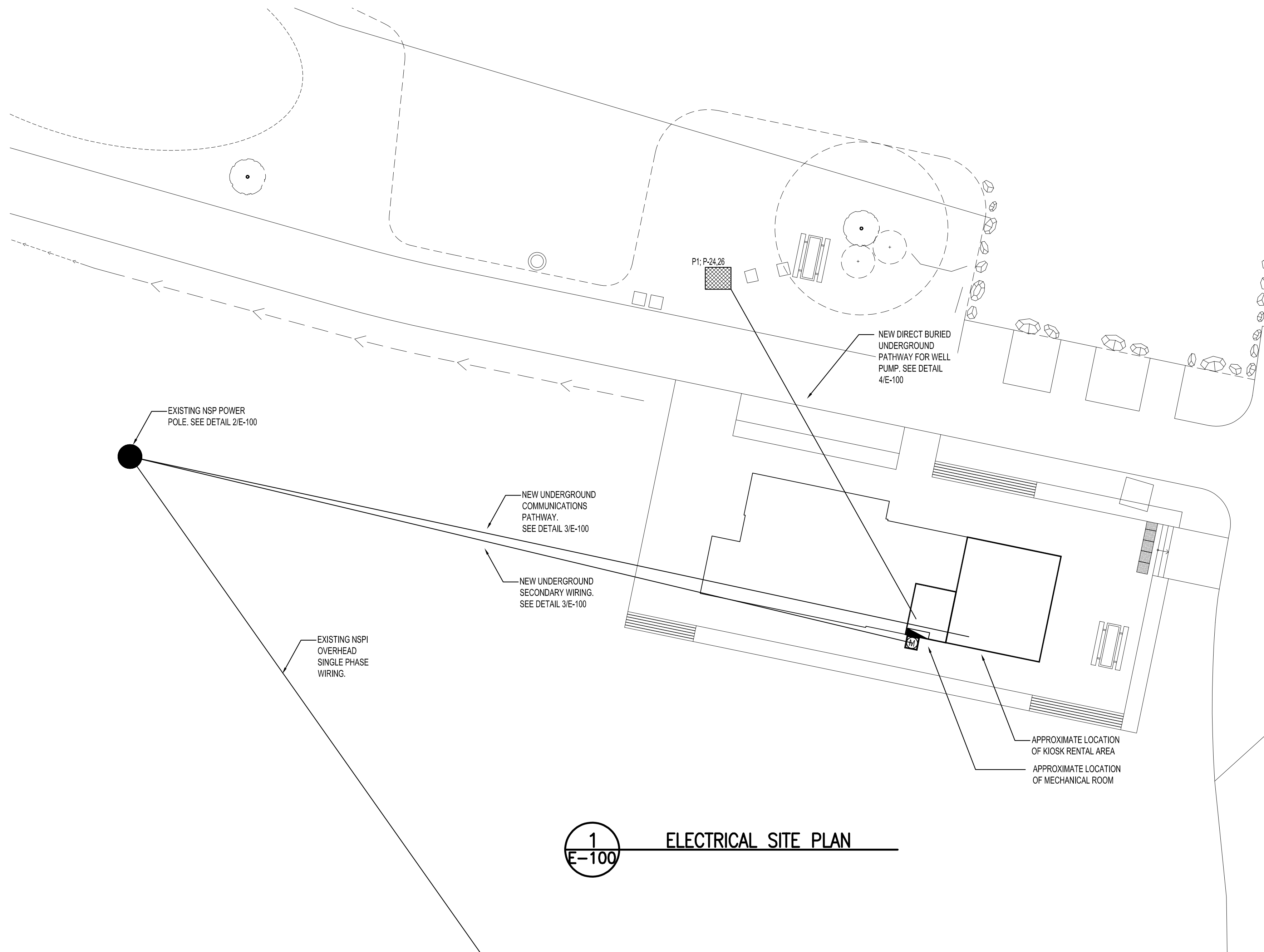
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ELECTRICAL LEGEND

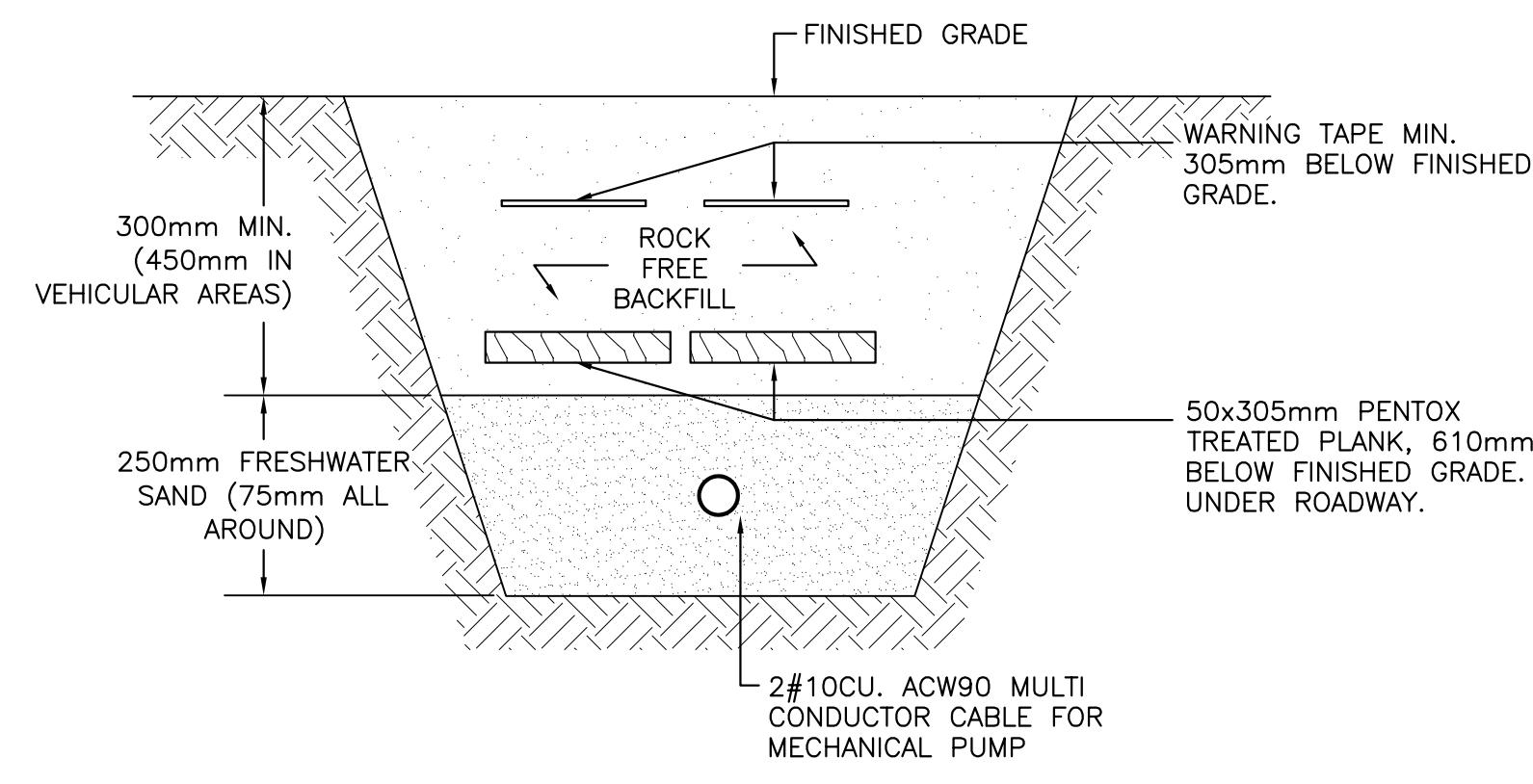
L1 L5 a 3 4 \$ \$ \$	LIGHTING FIXTURES — UPPER CASE LETTERS INDICATE TYPE, SEE LIGHTING FIXTURES SCHEDULE FOR DESCRIPTION. LOWER CASE LETTER INDICATE SWITCHING CONTROL.
OC \$	SINGLE GANG 2, 3 AND 4-WAY LINE VOLTAGE SWITCH RESPECTIVELY C/W COVERPLATE, MOUNTED 1100mm A.F.F. LOWER CASE LETTER INDICATES SWITCHING.
OC \$	SINGLE GANG LINE VOLTAGE SWITCH WITH INTEGRAL DUAL-TECH (PIR & ULTRASONIC) VACANCY SENSOR C/W COVERPLATE, MOUNTED 1100mm A.F.F.
OC \$	DIGITAL DUAL-TECH (PIR & ULTRASONIC) 0-10V OCCUPANCY SENSOR C/W LINE VOLTAGE POWER PACK, CEILING MOUNTED UNLESS OTHERWISE INDICATED. LOWER CASE LETTER INDICATES SWITCHING CONTROL.
OC \$	125V, 15A DUPLEX RECEPTACLE (5-15R) C/W COVERPLATE, MOUNTED 450mm A.F.F. UNLESS OTHERWISE NOTED.
OC \$	125V, 20A DUPLEX RECEPTACLE (5-20R) C/W COVERPLATE, MOUNTED 450mm A.F.F.
OC \$	125V, 20A DUPLEX RECEPTACLE (5-20R) C/W COVERPLATE, MOUNTED 1100mm A.F.F.
OC \$	TWO 125V, 15A DUPLEX RECEPTACLES (5-15R) C/W 2-GANG COVERPLATE, MOUNTED 450mm A.F.F. UNLESS OTHERWISE NOTED.
OC \$	INDICATES DIRECT ELECTRICAL CONNECTION FROM PANEL 'P'. PROVIDE 2#12Cu. + BOND FEEDER UNLESS OTHERWISE NOTED.
OC \$	ELECTRICAL PANEL, 120/240V, 225A SINGLE PHASE 3 WIRE, 42 CIRCUITS, SURFACE MOUNTED 1500mm A.F.F.
HWT	ELECTRIC HOT WATER TANK, 24kW, 240V. SUPPLIED AND INSTALLED BY MECHANICAL, WIRED BY ELECTRICAL. FEEDER SIZE:
ERV1	MECHANICAL EQUIPMENT, SUPPLIED AND INSTALLED BY MECHANICAL, WIRED BY ELECTRICAL. TEXT INDICATES EQUIPMENT LABEL, SEE MOTOR STARTER CONTROL LIST FOR DETAILS.
OC \$	SELF POWERED CEILING MOUNTED RUNNING MAN EXIT SIGN.
OC \$	LINE VOLTAGE THERMOSTAT COMPLETE WITH COVERPLATE. MOUNTED 1100mm A.F.F. UNLESS OTHERWISE NOTED.
OC \$	INDICATES INSLAB ELECTRIC HEAT TO BE INSTALLED. WATTAGE AND AVAILABLE SIZE AS INDICATED ON DRAWINGS.
OC \$	120V, 300W ELECTRIC BASEBOARD HEATER C/W BUILT IN THERMOSTAT.
OC \$	UTILITY METER INSTALLED WITHIN WEATHERPROOF ENCLOSURE. MOUNTED 1400mm A.F.F.
OC \$	120V, 20A, TWO ZONE ASTRONOMICAL TIMECLOCK.
OC \$	ELECTRIC DOOR OPERATOR. PROVIDE 120VAC CONNECTION TO DEVICE AND 19mm CONDUIT PATHWAYS TO EACH DOOR OPERATOR.
GFI	INDICATES DEVICES IS TO BE GROUND FAULT INTERRUPTING.
WP	INDICATES RECEPTACLE IS TO BE INSTALLED IN WEATHERPROOF ENCLOSURE.



2
E-100
SCALE : N.T.S.
SINGLE PHASE TRANSFORMER
SECONDARY SERVICE POLE



3
E-100
SCALE : N.T.S.
UNDERGROUND POWER AND
TELEPHONE SERVICES



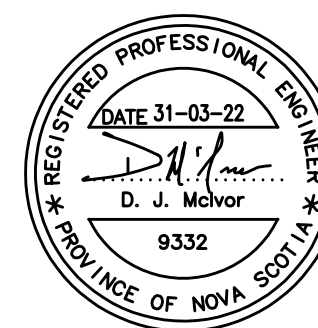
4
E-100
SCALE : N.T.S.
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fathom



1	ISSUED FOR TENDER	03/31 2022
revisions		date
project		projet

PARKS CANADA
INGONISH BEACH
INGONISH
WASHROOM AND KIOSK

drawing dessin

ELECTRICAL LEGEND, SITE DETAILS AND SITE PLAN

designed LPK	conçu
date FEB 03, 2022	
drawn JCN	dessiné
date FEB 03, 2022	
approved DJM	approuvé
date FEB 03, 2022	
Tender DUGGAN KENNEDY	Soumission
PWGSC Project Manager	Administrateur de projets TPSGC
project number	no. du projet
45444241	
drawing no.	no. du dessin
E-100	



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project

PARKS CANADA
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drawing

ELECTRICAL LAYOUT

designed LPK

date FEB 03, 2022

drawn JCN

date FEB 03, 2022

approved DJM

date FEB 03, 2022

Tender DUGGAN KENNEDY

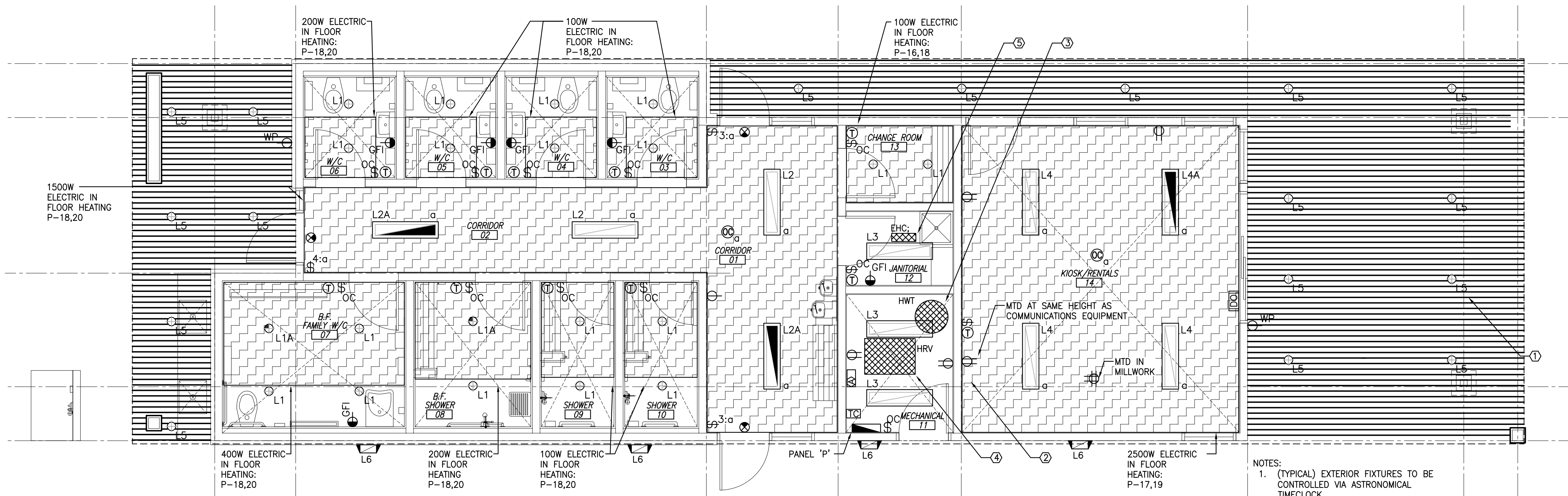
PWGSC Project Manager Administrateur de projets TPSGC

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E-101



1
E-101
ELECTRICAL LAYOUT
SCALE : 1:50
0m 1m 2m 3m 4m 5m

- NOTES:
- (TYPICAL) EXTERIOR FIXTURES TO BE CONTROLLED VIA ASTRONOMICAL TIMECLOCK.
 - APPROXIMATE LOCATION OF COMMUNICATIONS TERMINATION POINT. TERMINATE 100mm CONDUIT INTO OWNER SUPPLIED EQUIPMENT. PROVIDE SPARE 3/4" TO KIOSK MILWORK FOR FUTURE USE.
 - PROVIDE ELECTRICAL CONNECTION TO HOT WATER TANK. FEEDER SIZE: 2#3/0 ACWU90
 - PROVIDE ELECTRICAL CONNECTION TO HEAT RECOVERY VENTILATOR. FEEDER SIZE: 2#12 AC90.
 - PROVIDE ELECTRICAL CONNECTION TO ELECTRIC HEATING COIL. FEEDER SIZE 2#8 AC90. PROVIDE 60A NON-FUSIBLE DISCONNECT SWITCH.

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	VOLTAGE	MOUNTING	STANDARD OF QUALITY	LAMPS
L1	SURFACE MOUNTED WET LOCATION RATED 250mm LED FIXTURE	120V	RECESSED	LITHONIA: LDN4 35/15 MVOLT GZ10 HSG OR APPROVED ALTERNATE	1500 LUMENS 3500K 18W 80 CRI
L1A	SURFACE MOUNTED WET LOCATION RATED 250mm LED FIXTURE C/W EMERGENCY BATTERY DRIVER	120V	RECESSED	LITHONIA: LDN4 35/15 MVOLT GZ10 HSG ELR OR APPROVED ALTERNATE	1500 LUMENS 3500K 18W 80 CRI
L2	RECESSED WET LOCATION RATED 1200mm LINEAR LED FIXTURE	120V	RECESSED	SIGNIFY: 390-1-L-935-30-Q-S-2-04-D-E-1 OR APPROVED ALTERNATE	3000 LUMENS 3500K 30W
L2A	RECESSED WET LOCATION RATED 1200mm LINEAR LED FIXTURE C/W EMERGENCY BATTERY DRIVER	120V	RECESSED	SIGNIFY: 390-1-L-935-30-Q-S-2-04-D-E-1-B OR APPROVED ALTERNATE	3000 LUMENS 3500K 30W
L3	CHAIN HUNG LED UTILITY FIXTURE, VAPOUR TIGHT	120V	SUSPENDED	SIGNIFY: FSWEZ-4-40L-840-UNV OR APPROVED ALTERNATE	4000 LUMENS 4000K 32W
L4	CEILING SUSPENDED 1200mm LINEAR LED FIXTURE C/W UP/DOWN KIT	120V	SUSPENDED	SIGNIFY: 220-6-L-B-E-LW-04-7-D-E-W-FM OR APPROVED ALTERNATE	3300 LUMENS 3500K 31W
L4A	CEILING SUSPENDED 1200mm LINEAR LED FIXTURE C/W UP/DOWN KIT AND EMERGENCY BATTERY DRIVERS	120V	SUSPENDED	SIGNIFY: 220-6-L-B-E-LW-04-7-D-E-W-FM DRIVER: BODINE BSL13B	3300 LUMENS 3500K 31W
L5	EXTERIOR RATED LED SOFFIT DOWNLIGHT LIGHT CONTROLLED VIA ASTRONOMICAL TIMECLOCK.	120V	SURFACE	BEGA: 24836 + K27 + BLK OR APPROVED ALTERNATE	2300 LUMENS 2700K 16.7W
L6	EXTERIOR RATED WALL MOUTTED LED LIGHT CONTROLLED VIA ASTRONOMICAL TIMECLOCK.	120V	WALL MOUNTED 2130mm A.F.F.	BEGA: 22360 + K27 + BLK OR APPROVED ALTERNATE	1024 LUMENS 2700K 15.7W

NOTES	VOLTAGE	120/240	PANEL	'P'	SOURCE	
	PHASE/WIRE	1P/3W	LOCATION	MECHANICAL RM 11	FEEDER	3#250MCM NUAL
	MAINS	225A	MOUNTING	SURFACE	I.C.	22 KA
	DESIGNATION	WATTAGE	CIR NO.	BKR	DESIGNATION	
INTERIOR LIGHTING	800		1 20A	-a-	EXTERIOR LIGHTING (TIMECLOCK)	
REC: WASHROOM 03			3 20A	-b-	REC: WASHROOM 04	
REC: WASHROOM 05			5 20A	-a-	REC: WASHROOM 06	
REC: WASHROOM 07			7 20A	-b-	REC: HOUSEKEEPING	
ELECTRIC HEATING COIL	3250		9 2P	-a-	HRV	
RECIRC PUMP	500		13 15A	-a-	HOT WATER TANK	
REC: KIOSK			15 15A	-b-	ELECTRIC IN-FLOOR HEAT	
ELECTRIC IN-FLOOR HEAT	1600		17 2P	-a-	HAND DRYERS 07	
HAND DRYERS 03 & 04	1000		21 15A	-a-	P-1	
HAND DRYERS 05 & 06	1000		23 15A	-b-	EXIT SIGNS	
MECH ROOM RECEPTACLES			25 15A	-a-	EXTERIOR RECEPTACLES	
ELECTRIC BASEBOARD HEATER	300		27 15A	-b-	SPARE (FUTURE SITE LIGHTING)	
ELECTRONIC SHOWER CONTROLS			29 15A	-a-	SPARE	
BARRIER FREE DOOR OPERATOR			31 15A	-b-	SPARE	
SPARE			33 15A	-a-	SPARE	
SPARE			35 15A	-b-	SPARE	
			37 15A	-a-		
			39 15A	-b-		
			41 15A	-a-		
TOTAL LOAD:		NOTES: 1. PANEL TO BE C/W 2P, 225A MAIN BREAKER				
ø "A" TOTAL		2. TO BE LOCKED BREAKER				
ø "B" TOTAL						
ø "C" TOTAL						