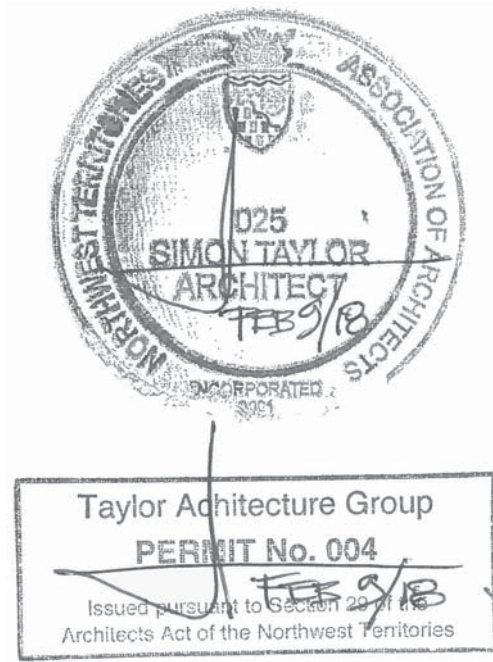


NUNAVUT WATER BOARD NEW OFFICE BUILDING

Gjoa Haven, NU

PROJECT NO. 17-017

Issued For Tender Documents - February 2018



Sheet List:

- Architectural**
A101 - Site Plan & Details
A102 - Stair & Ramp Details
A103 - Stair & Ramp Details
A401 - Site Enclosure Boxes
A201 - Main Floor Plan
A202 - Reflected Ceiling Plan
A203 - Furniture Plan, Finish Plan & Finish Schedule
A301 - Building Elevations & Window Schedule
A401 - Building Sections 1
A402 - Building Sections 2
A501 - Interior Building Details
A601 - Exterior Wall Section & Details
A602 - Envelope Details
A603 - Envelope Details
A604 - Envelope Details
A801 - Interior Elevations
A802 - Interior Elevations
A803 - Washroom Details
A804 - Millwork Elevations & Sections
A805 - Millwork Elevations & Sections
A806 - Millwork Elevations & Sections
A807 - Millwork Elevations, Sections & Details
A808 - Millwork Details
A901 - Door Schedule

Structural

- S101 - Structural Notes & Schedules
S201 - Schematic Triodetic Layout
S301 - Main Floor Framing Plan & Details
S302 - Entrance Ramp & Exit Stair Framing & Details
S303 - Wheelchair Ramp & Access Stair Framing & Details
S401 - Roof Framing Plan & Details
S402 - Roof Framing Details
S403 - Roof and Trellis Framing Details
S404 - Shearwall Elevations and Framing Details

Foundation

- S1 - Multipoint Foundation

Mechanical

- M100 - Mechanical Site Plan
M200 - Mechanical Plumbing & Fire Protection
M300 - Mechanical Heating
M400 - Mechanical Ventilation
M500 - Mechanical Details
M600 - Mechanical Details

Electrical

- E100 - Electrical Site Plan
E200 - Lighting Plan
E201 - Power Plan
E202 - Low Tension Plan
E500 - Electrical Single Line and Details

Code Analysis:

Item	National Building Code Data Matrix							NBC Reference		
1	Project Description: <input type="checkbox"/> Change of use <input checked="" type="checkbox"/> New <input type="checkbox"/> Addition <input type="checkbox"/> Alteration							Part 3		
2	Major Occupancy(s): Office							3.1.2.1 (1)		
3								1.1.3.2		
4	Building Area (m²)	Existing:	0		New:	540	Total:	540		
	Gross Area (m²)	Existing:	0		New:	540	Total:			
5	Number of Storeys	Above grade:	1-2	Below grade:	0			3.2.1.1 & 1.1.3.2		
6	Height of Building (m):	5.8							3.2.2.10 & 3.2.5.5	
7	Number of Streets/Access Routes:	2							3.2.2.62	
8	Building Classification:	Group D, Up To 2 Storeys							3.2.2.20 - .83	
9	Sprinkler System Proposed								3.2.1.5	
	<input type="checkbox"/> entire building								3.2.2.17	
	<input type="checkbox"/> basement only									
	<input type="checkbox"/> in lieu of roof rating									
	<input checked="" type="checkbox"/> not required									
10	Standpipe required	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No								3.2.5.8
11	Fire Alarm required	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No								3.2.4
12	Water Service/Supply is Adequate	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (trucked services)								3.2.5.7
13	High Building	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No								3.2.6
14	Permitted Construction	<input type="checkbox"/> Combustible <input type="checkbox"/> Non-Combustible <input checked="" type="checkbox"/> Both								3.2.2.62
	Actual Construction	<input type="checkbox"/> Combustible <input type="checkbox"/> Non-Combustible <input checked="" type="checkbox"/> Both								
15	Mezzanine(s) Area (m²):	0							3.2.1.1 (3)-(8)	
16	Occupant Load based on <input checked="" type="checkbox"/> m²/person <input type="checkbox"/> design of building								3.1.1.6	
	General:	Occupancy:	Load:				Persons:			
	Basement:	Occupancy:	Load:				Persons:			
	1 st Floor:	Occupancy:	Load:				Persons: 45	64 m² storage and mechanical = 1.4 people		
	2 nd Floor:	Occupancy:	Load:				Persons:	408 m² office/kitchen = 43.9 people		
	3 rd Floor:	Occupancy:	Load:				Persons:			
17	Barrier-free Design	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (explain)								3.8
18	Hazardous Substances <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No								3.3.1.2(1) & 3.3.1.19(1)	
19	Required Fire Resistance Rating (FRR)									
	Horizontal Assemblies FRR (hours):				Description:				3.2.2.62	
	Floors:				45 min Or non-comb. construction					
	Roof:				--					
	Mezzanine:				--					
	Loadbearing walls/columns:				45 min Or non-comb. construction				Loading walls only need to be rated if supporting a rated roof or floor assembly	
20	Component Fire Separations								3.4.4.1 (1) & 3.1.8.4	
	Exits:		45 min		Closures:		20 min		3.6.2.1(5) & 3.1.8.4	
	Service Rooms (fuel fired):		1 hr		Closures:		45 min		3.3.1.21 (2) &	
	Janitor's Rooms:		45 min		Closures:		20		3.1.8.4	
	Combustible refuse storage:		n/a		Closures: *		n/a		3.6.2.5 & 3.1.8.4	
	*must be sprinklered									
21	Exit Widths	Corridors, Ramps	1100 mm	Stairs	900 mm	Doorways	800 mm	3.4.3		
22	Spatial Separation (construction of exterior walls)								3.2.3	
	Wall	Max. Area of EBF (m²)	L.D. (m)	L/H or W/L	Permitted Max. % of Opening	Proposed % of Openings	FRR (hrs)	Listed Design or Descr.	Comb. Const. Comb. Cladding	Non-Comb. Const.
	North	127	8	L/H 5.1	41%	7.8%	45 min	ULU330-F-13 (3m)	Not Permitted	Permitted
	East	122	8	L/H 4.9	41%	11.4%	45 min	ULU330-F-13 (3m)	Not Permitted	Permitted
	South	127	8	L/H 5.1	41%	9.8%	45 min	ULU330-F-13 (3m)	Not Permitted	Permitted
	West	82	15.6	L/H 3.3	100%	24.1%	45 min	ULU330-F-13 (3m)	Not Permitted	Permitted
23	Plumbing Facilities Required									
	Water Closets (toilets)	Female: 1		Male: 1		Male Urinals: n/a			3.7.2.2.12	
	Lavatories (sinks)	Female: 1		Male: 1					3.7.2.3	
24	Other									

ARCHITECT

Taylor Architecture Group
3502 Raccine Rd.
Yellowknife, NT
867-920-2728

MECHANICAL ENGINEER

Williams Engineering Canada
PO Box 1529
4902 - 49th St
Yellowknife, NT
867-873-2395

ELECTRICAL ENGINEER

Stantec
4910 53rd St.
Yellowknife, NT
867-920-2882

STRUCTURAL ENGINEER

McElhanney
1800 Willowbrook Drive
Cranbrook, BC
250-489-3013

OWNER/CLIENT

Nunavut Water Board
Gjoa Haven, NU
867-360-6338

List of Abbreviations

#	NUMBER
&	AND
@	AT
AFF	ABOVE FINISH FLOOR
AHJ	AUTHORITIES HAVING JURISDICTION
ANOD	ANNODIZED
AUM	ALUMINUM
AVB	AIR VAPOUR BARRIER
B.O.	BOTTOM OF
C.L.	CENTRE LINE
CLG	CEILING
CONC	CONCRETE
DIM	DIMENSION
DR	DOOR
DV	DISPLACEMENT VENT
DWG	DRAWING
EA	EACH
ELEC	ELECTRICAL
ELEV	ELEVATION
EQ	EQUAL
EXIST	EXISTING
EXT	EXTERIOR
FE	FIRE EXTINGUISHER
F.O.	FACE OF
FLR	FLOOR
GA	GAUGE
GALV	GALVANIZED
GSWB	GYP SUM WALL BOARD
HC	HOLLOW CORE
HM	HOLLOW METAL
HPDL	HIGH PRESSURE DECORATIVE LAMINATE
HR	HOUR
INSUL	INSULATION OR INSULATED
INT	INTERIOR
MAX	MAXIMUM
MECH	MECHANICAL
MIN	MINIMUM
MTL	METAL
NIC	NOT IN CONTRACT
NO	NUMBER
NRC	NOISE REDUCTION COEFFICIENT
O.C.	ON CENTRE
OFM	OFFICE OF THE FIRE MARSHAL
PLY	PLYWOOD
PT	PRESSURE TREATED
PTD	PAINTED
QTY	QUANTITY
RCF	REFLECTED CEILING PLAN
REQD	REQUIRED
SC	SOLID CORE
SIM	SIMILAR
SPEC	SPECIFICATION
SPF	SPRUCE-PINE-FIR WOOD
SS	STAINLESS STEEL
STC	SOUND TRANSMISSION COEFFICIENT
STL	STEEL
STRUCT	STRUCTURAL
T&G	TONGUE AND GROOVE
T.O.	TOP OF
TOC	TOP OF CONCRETE
TOS	TOP OF STEEL
TYP	TYPICAL
U/S	UNDERSIDE
UNO	UNLESS NOTED OTHERWISE
W/	WITH
WD	WOOD



1 Community Plan
A000 scale 1:2000

NOTE:
ELECTRICAL DRAWINGS TO BE
ISSUED BY ADDENDUM ON
WEDNESDAY, FEBRUARY 14th, 2018



Taylor Architecture Group
PERMIT No. 004
 Issued pursuant to the
 Architects Act of the Northwest Territories

Legend

- Property Set Back
- Property Line
- Drainage
- Existing Power Pole
- Proposed Building
- Exterior Wood Components (Decks, Stairs, Enclosures)
- Swale
- Building Pad
- Road
- Service Truck Access Pad
- Typ. Concrete Bollard
- Concrete Bollard w/ Powered Rail
- Entrance/Exit
- Existing Topography

NOT FOR CONSTRUCTION
 ALL DIMENSIONS TO BE SITE VERIFIED BY CONTRACTOR

#	Date	Description
5	9-Feb-18	Issued for Tender
4	2-Feb-18	100% Construction Documents
3	24-Jan-18	Consultant Coordination
2	19-Dec-17	66% Construction Documents
1	15-Nov-17	Design Development

Revisions
 Date: November 15, 2017

Project:
**NUNAVUT WATER BOARD
 NEW OFFICE BUILDING**

Gjoa Haven, NU

project north	Design by: S.T.
True North	Drawing by: T.F./C.O.
	Scale: As Noted

Sheet name:

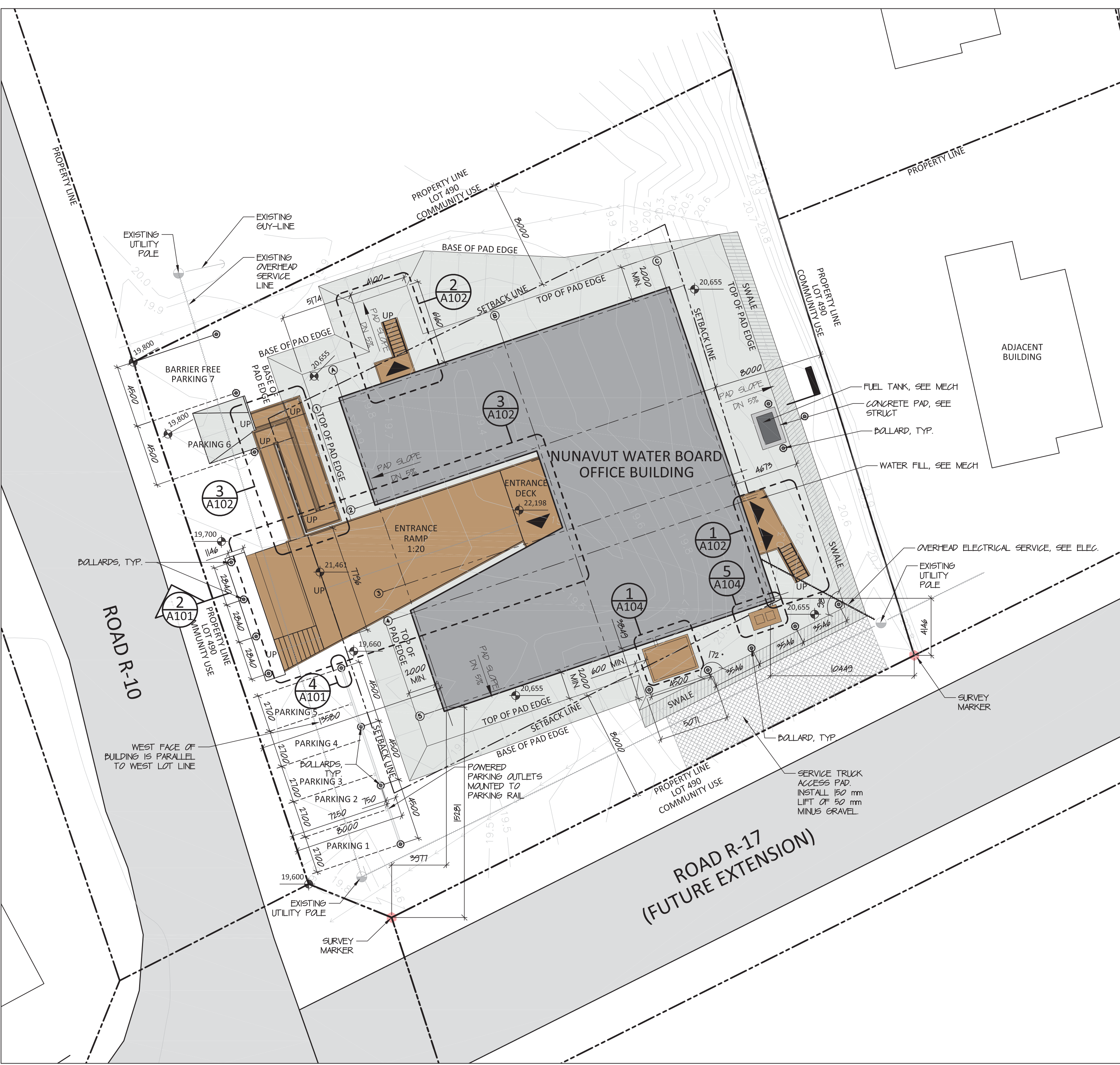
Site Plan

Project #

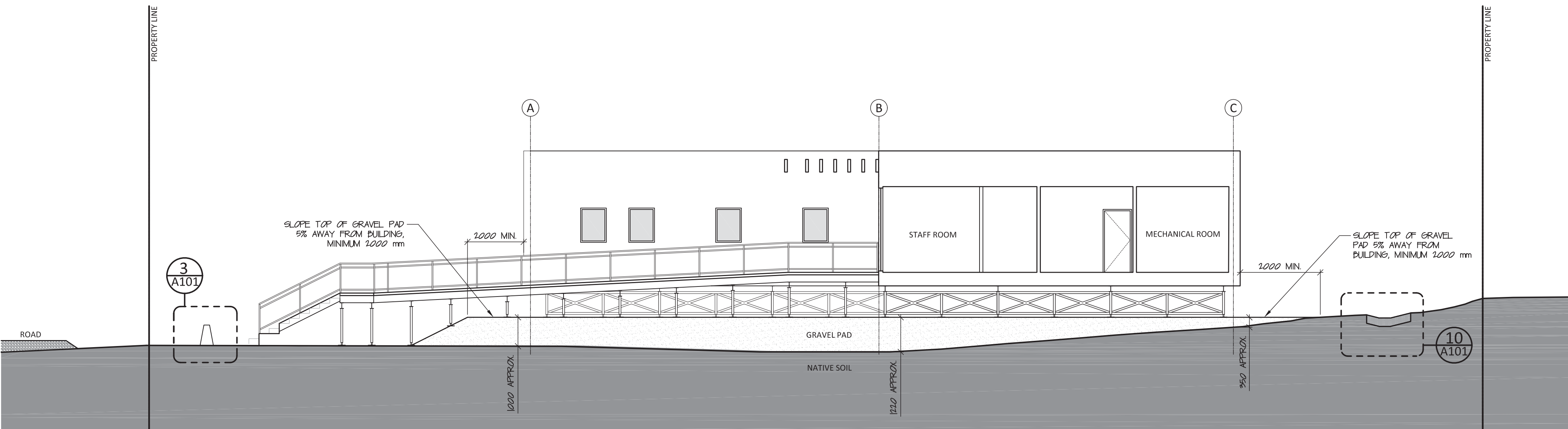
17-017

Drawing #

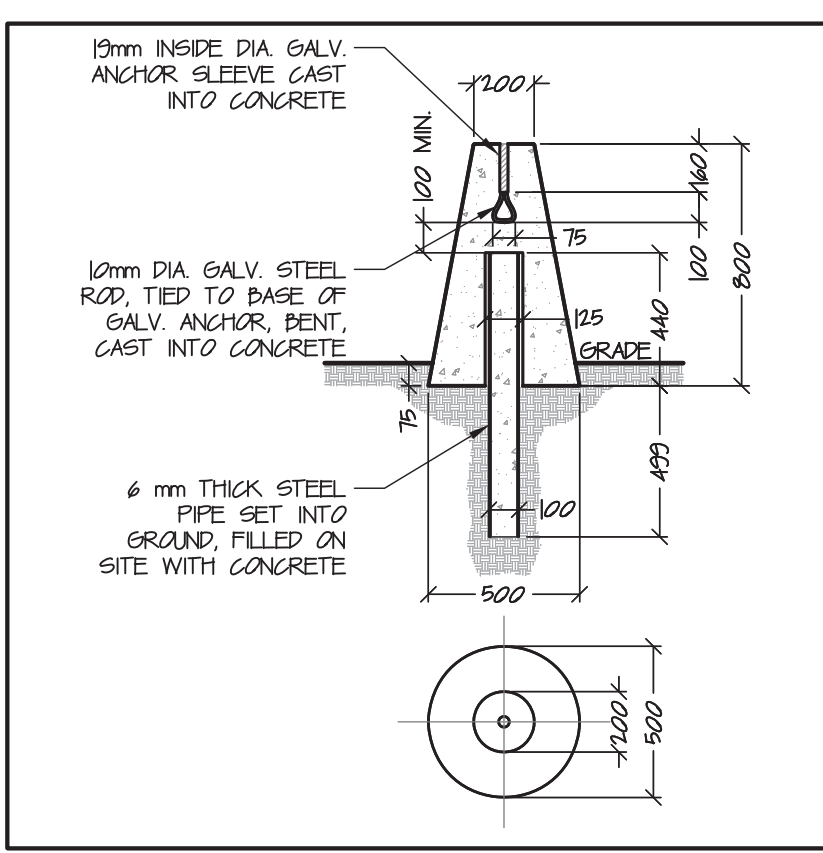
A101



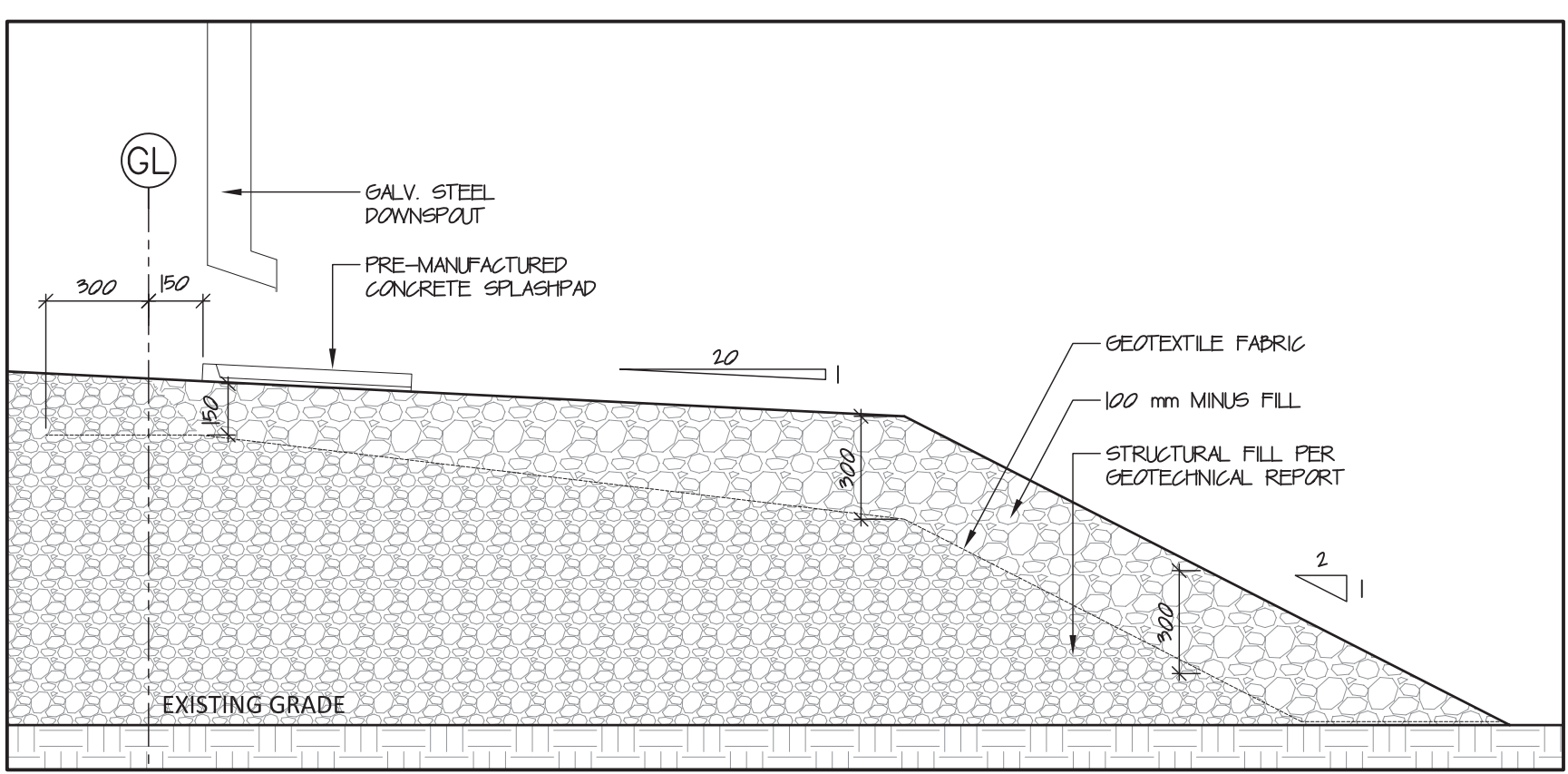
1 Site Plan
 A101 scale 1:200



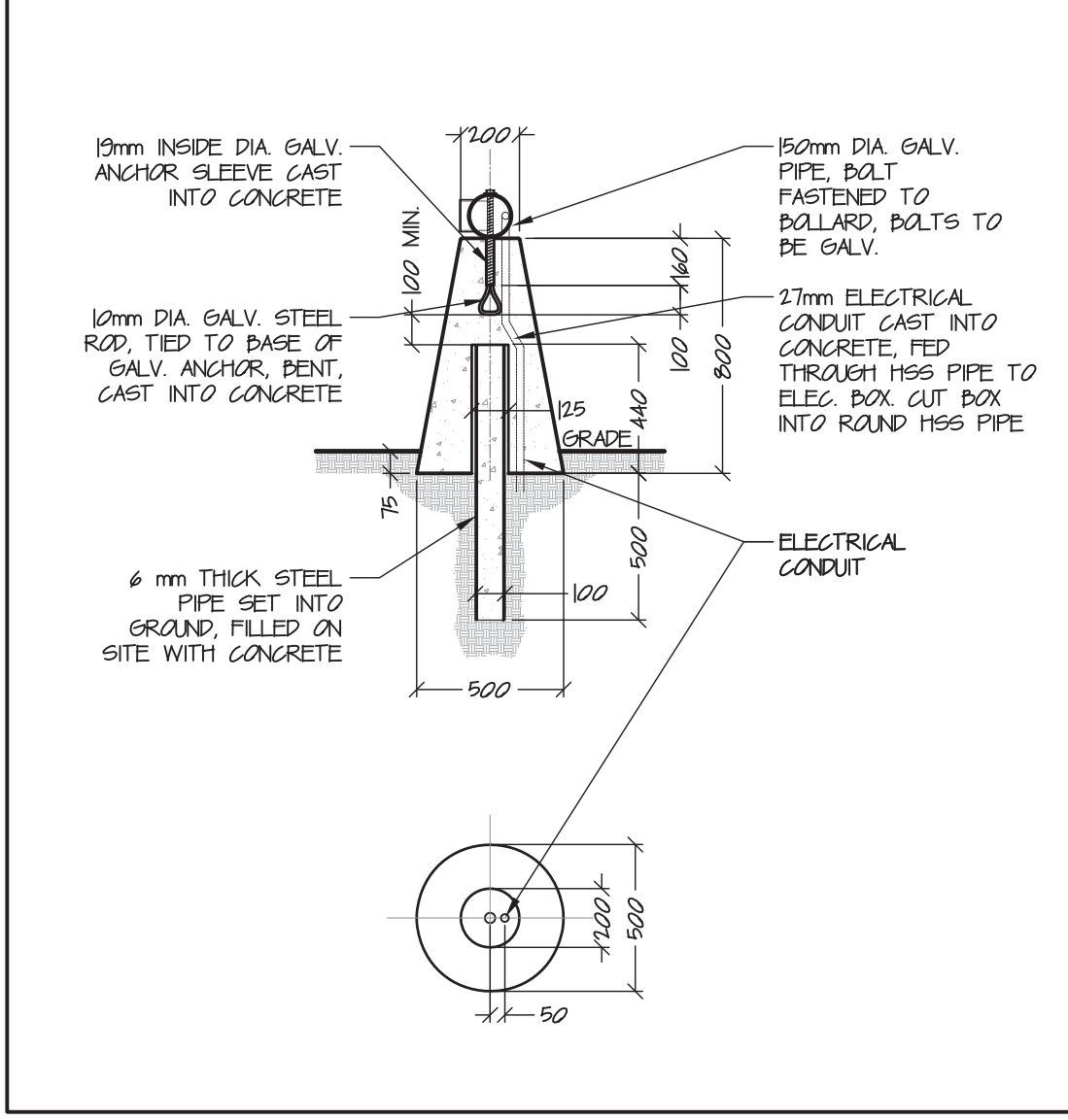
2 Site Section
 A101 scale 1:100



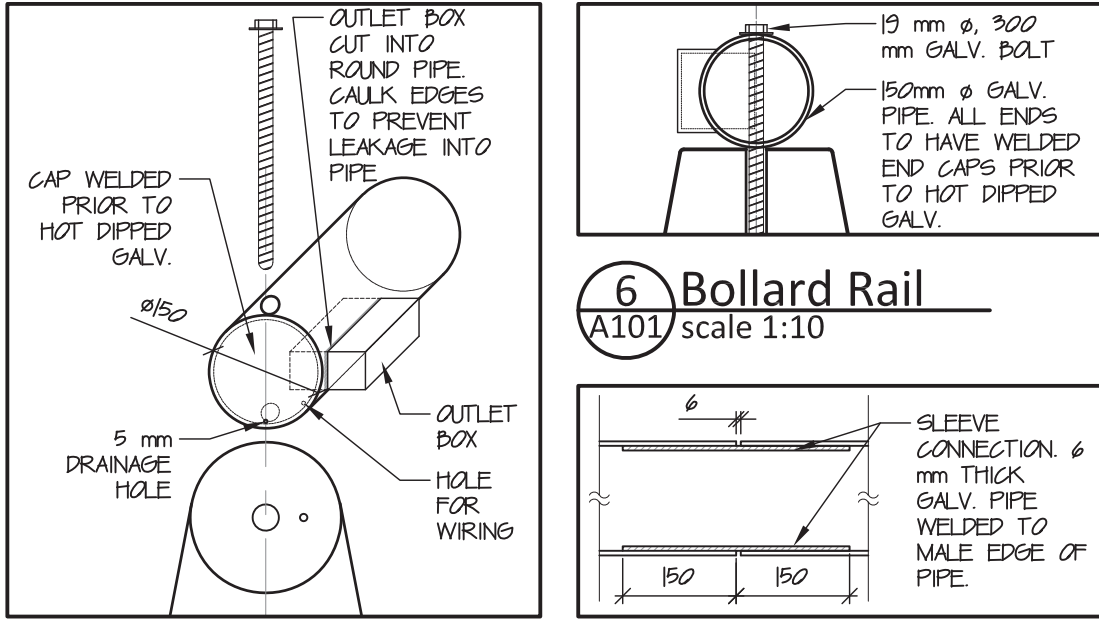
3 Typical Bollard - Detail (Qty: 18)
 A101 scale 1:25



8 Gravel Pad Detail at Downspout - Section
 A101 scale 1:20

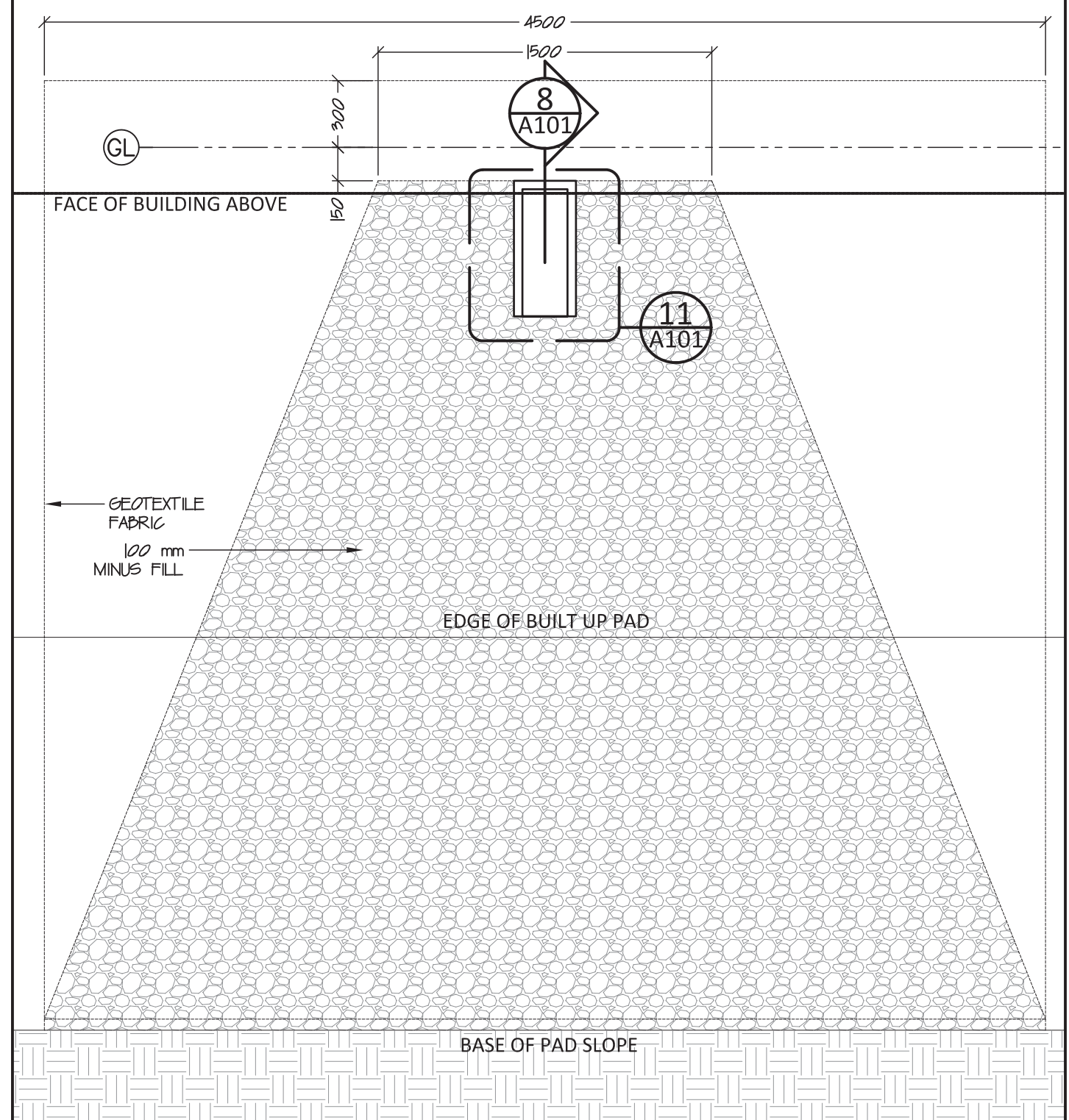


4 Bollard at Elec. Circuit Entry - Detail (Qty:1)
 A101 scale 1:25

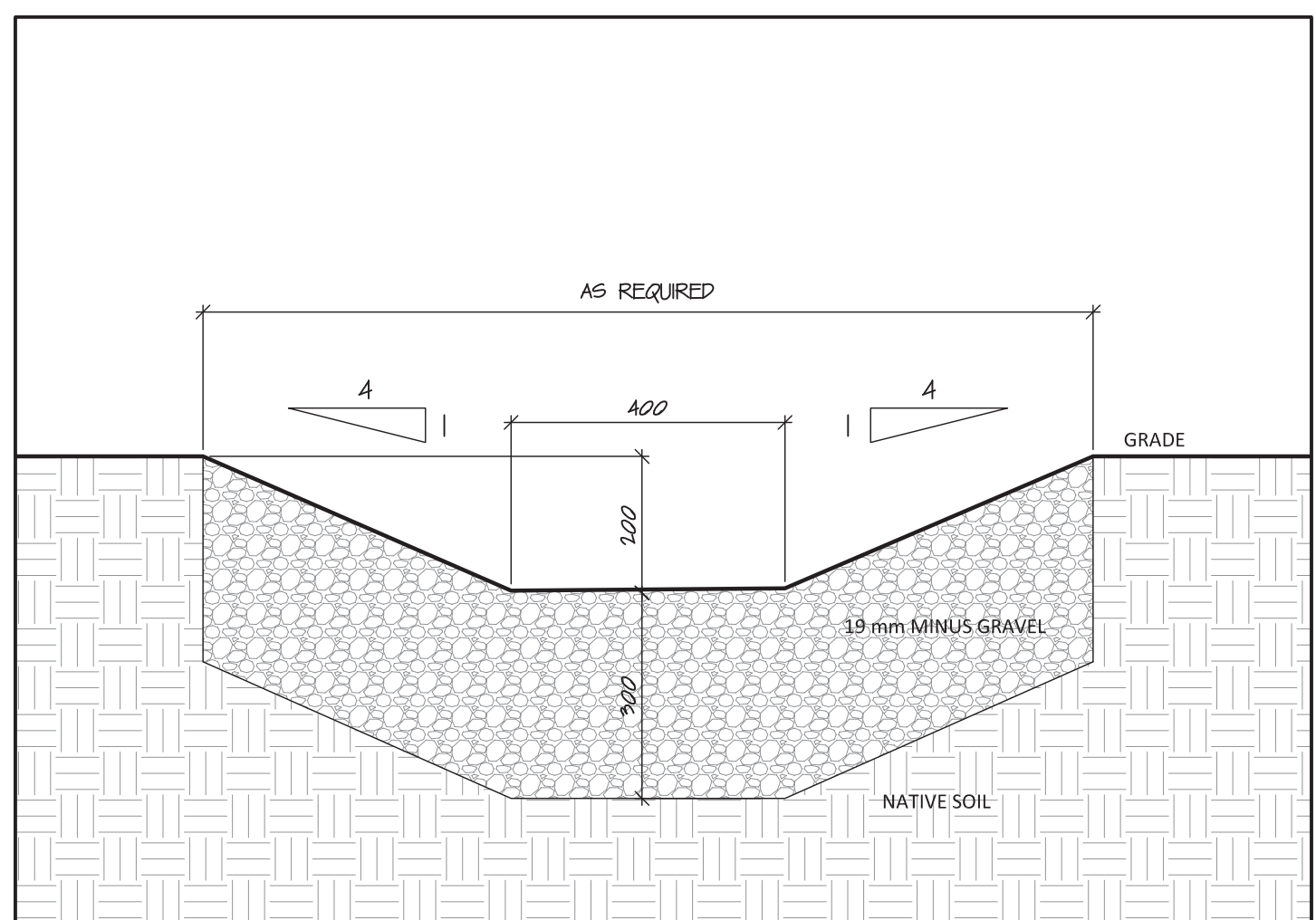


5 Outlet Box Axi.
 A101 scale 1:10

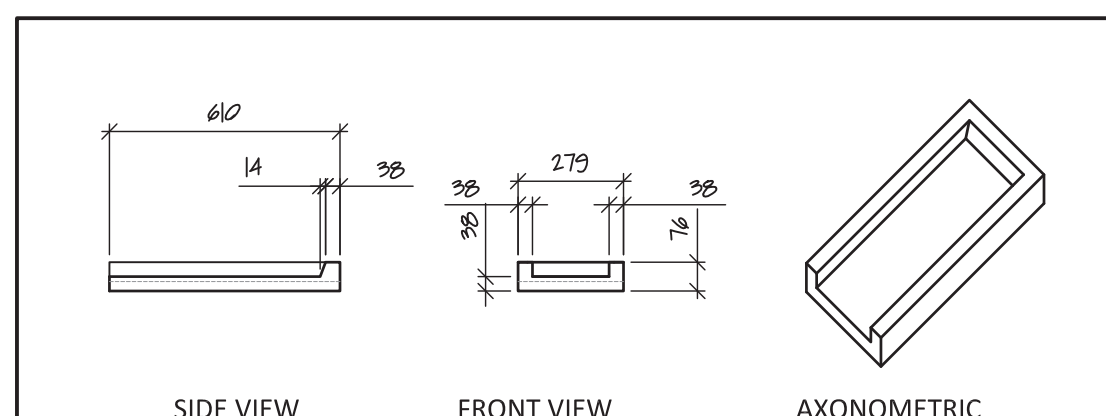
7 Rail Connection
 A101 scale 1:10



9 Gravel Pad Detail at Downspout - Plan
 A101 scale 1:20



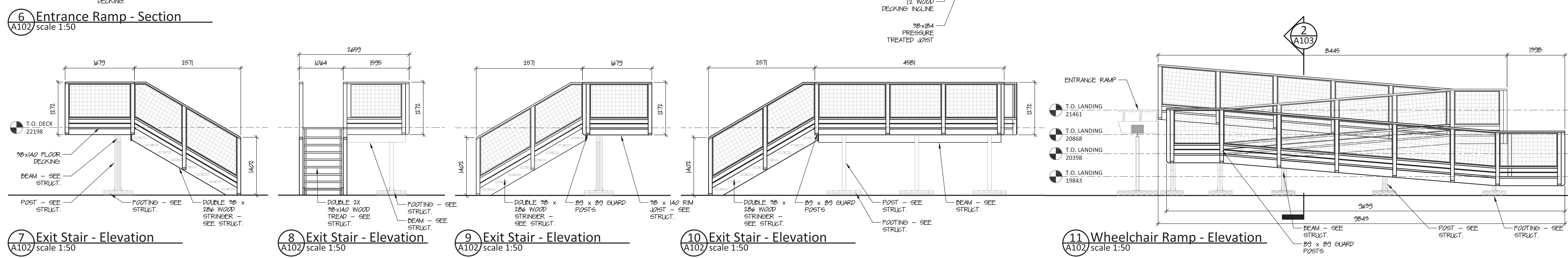
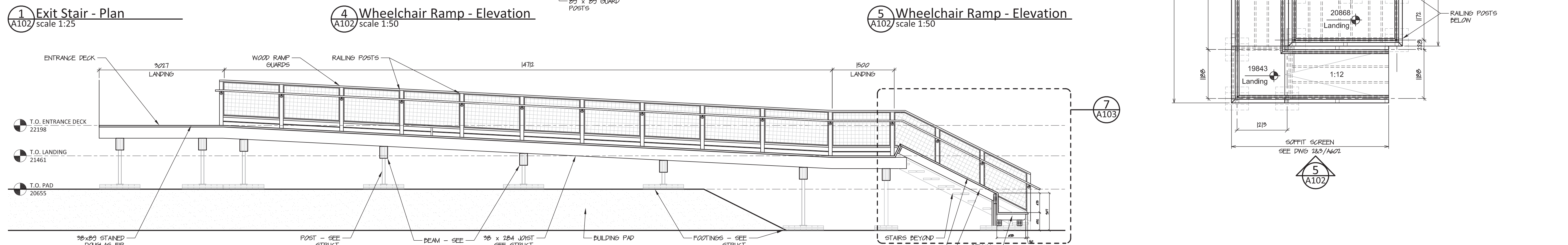
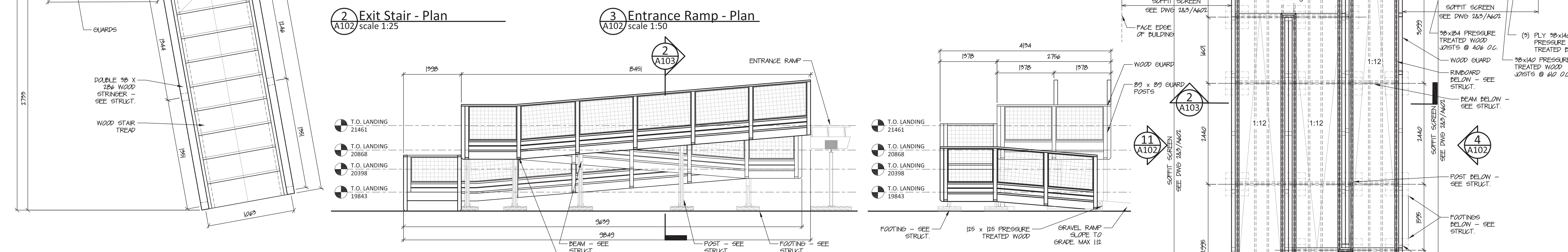
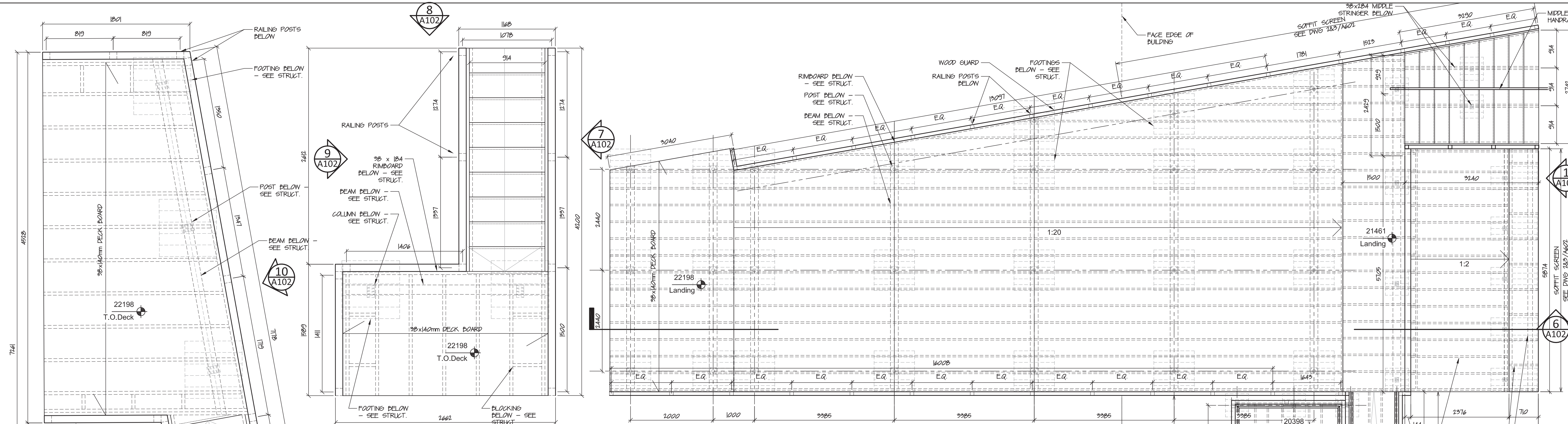
10 Drainage Swale Cross Section
 A101 scale 1:10



11 Concrete Splash Pad
 A101 scale 1:20



Taylor Architecture Group
PERMIT No. 004
 Issued pursuant to the Architects Act of the Northwest Territories
 FEB 2018



NOT FOR CONSTRUCTION
 ALL DIMENSIONS TO BE SITE VERIFIED BY CONTRACTOR

#	Date	Description
3	09-Feb-18	Issued for Tender
2	02-Feb-18	100% Construction Documents
1	19-Dec-17	66% Construction Documents

Revisions
 Date: November 15, 2017

Project:
**NUNAVUT WATER BOARD
 NEW OFFICE BUILDING**

Gjoa Haven, NU

project north
 Drawing by: S.T.
 Scale: As Noted

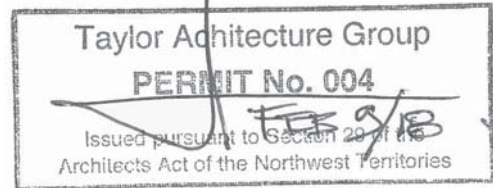
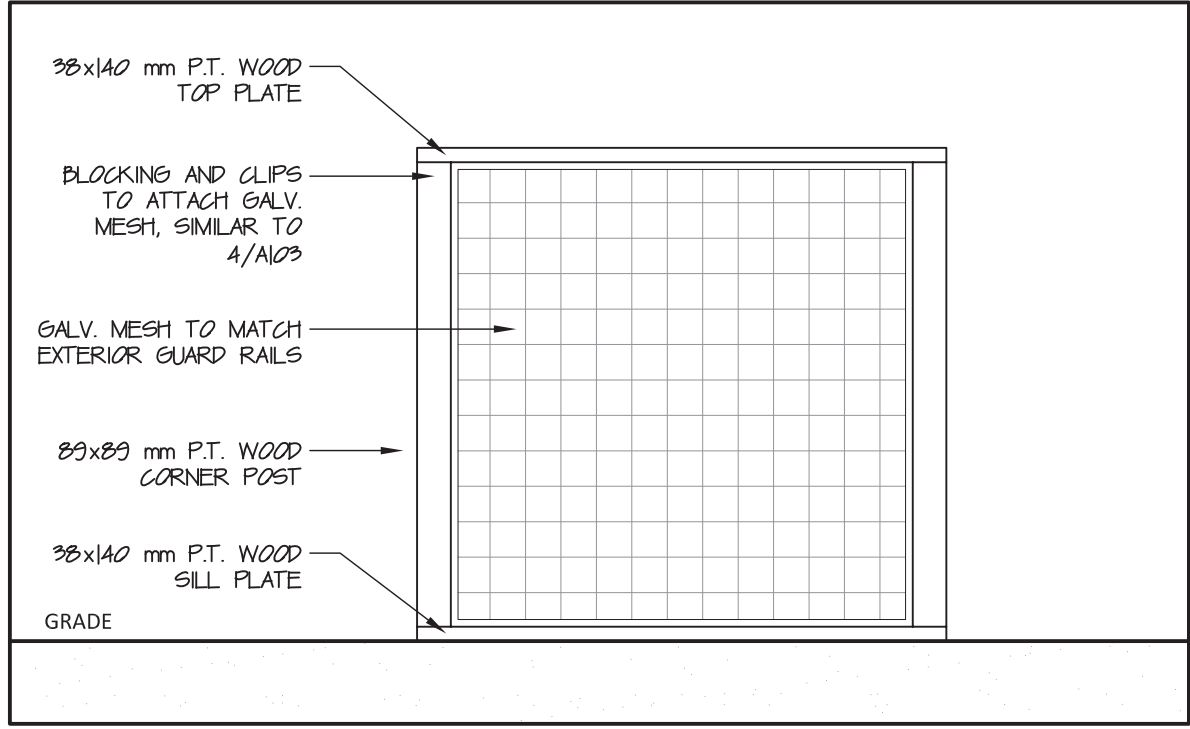
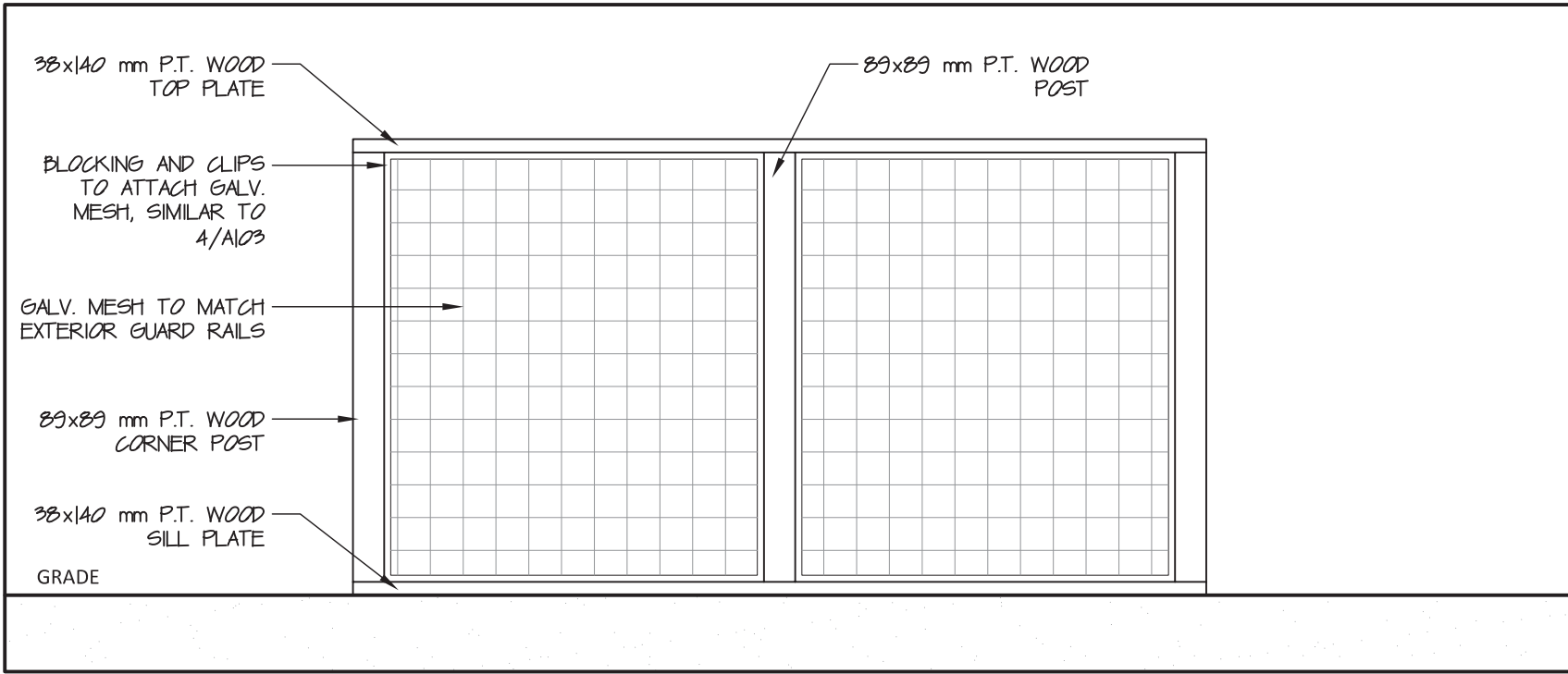
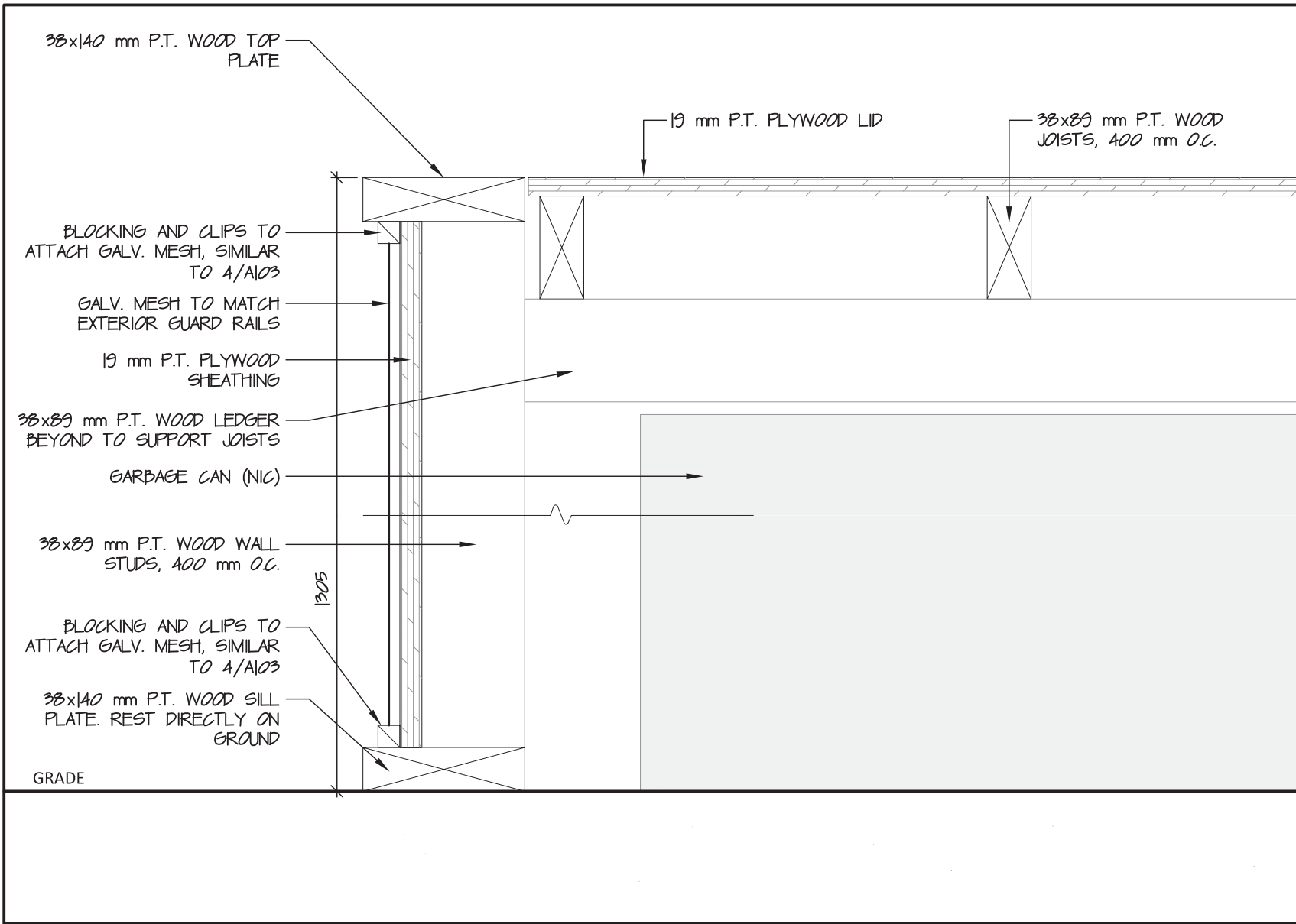
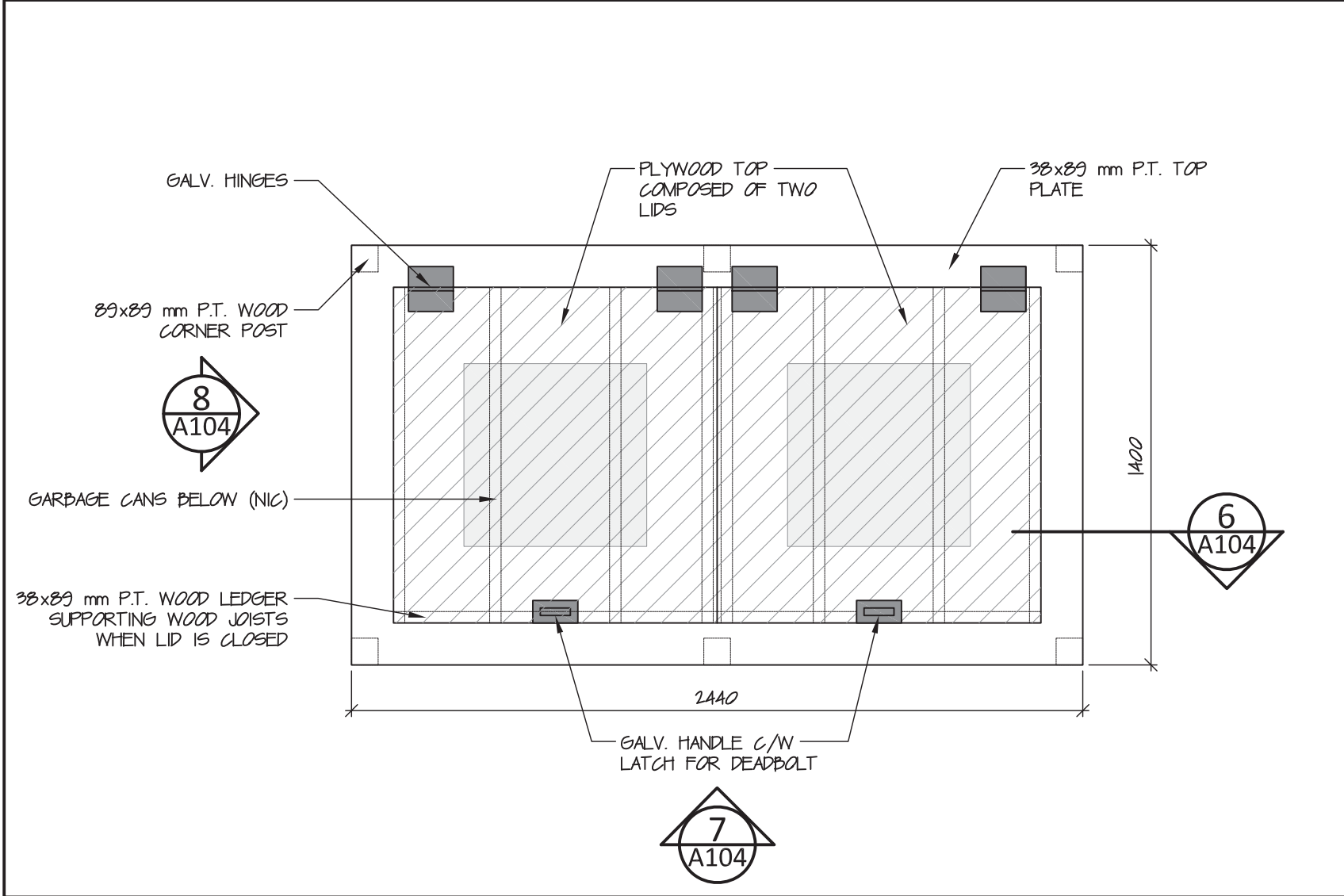
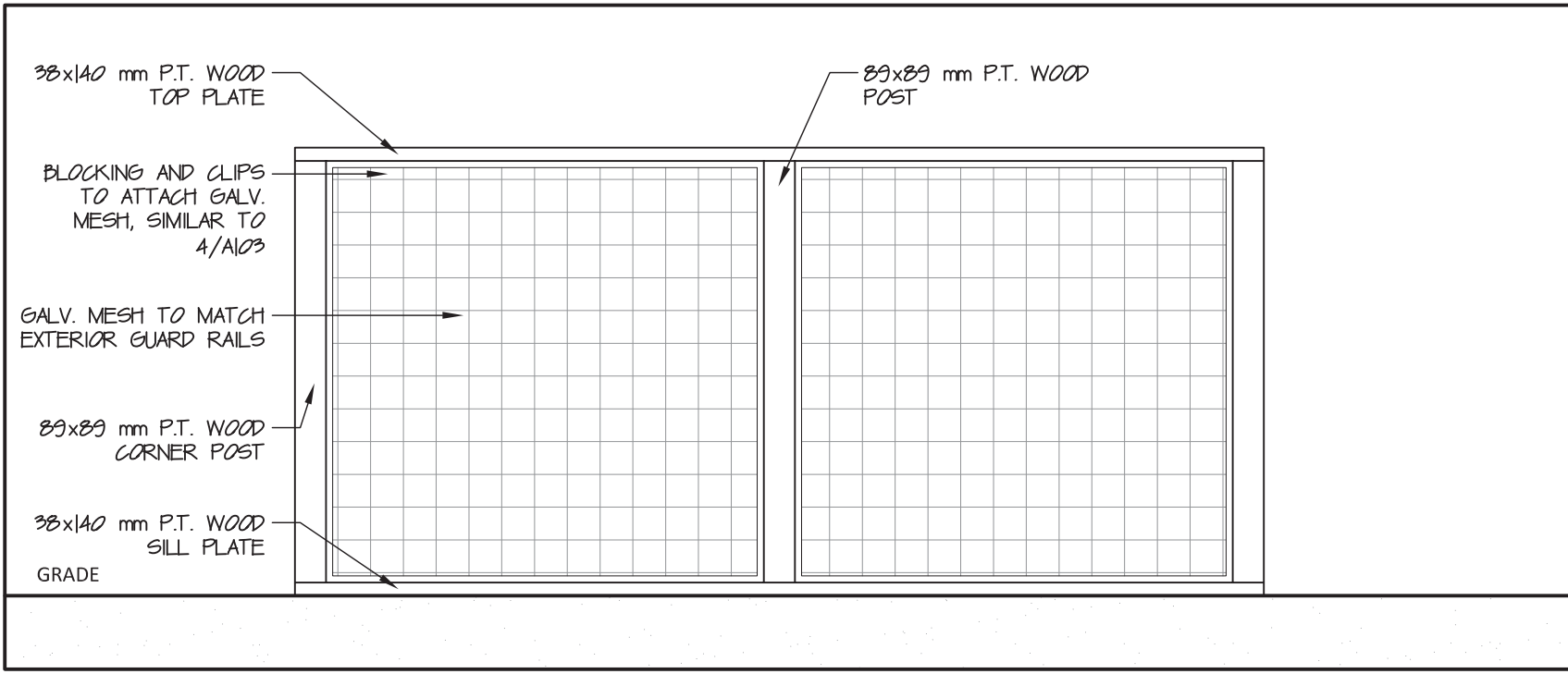
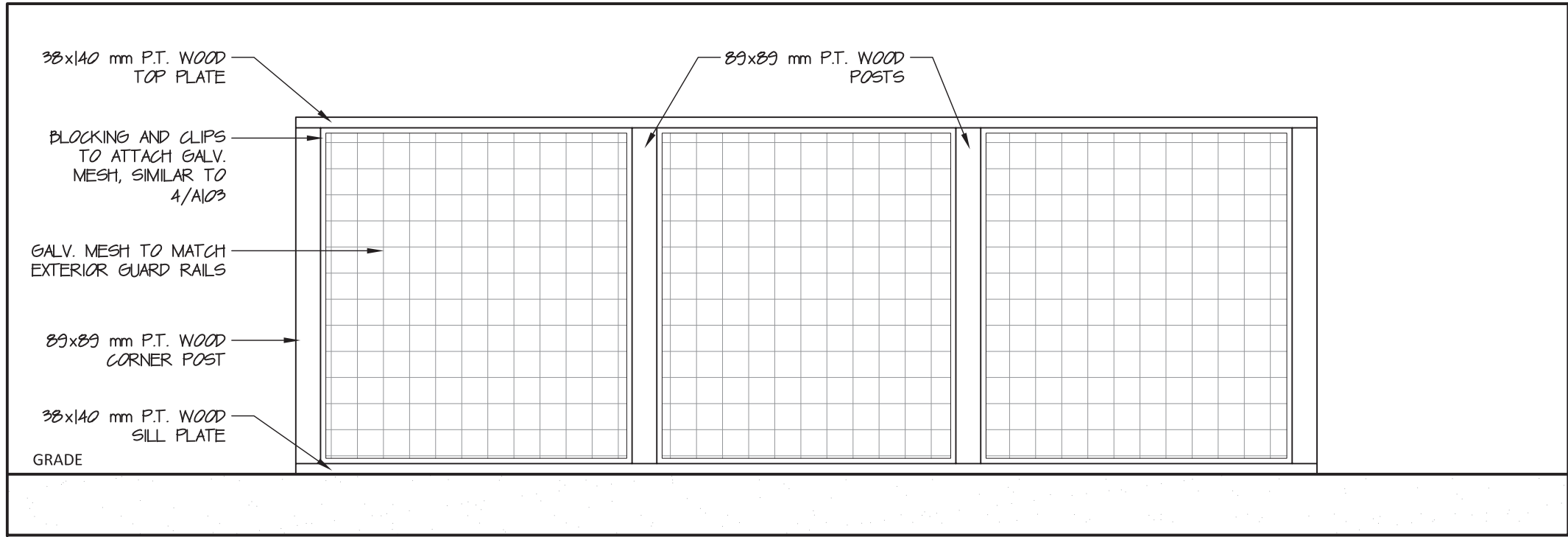
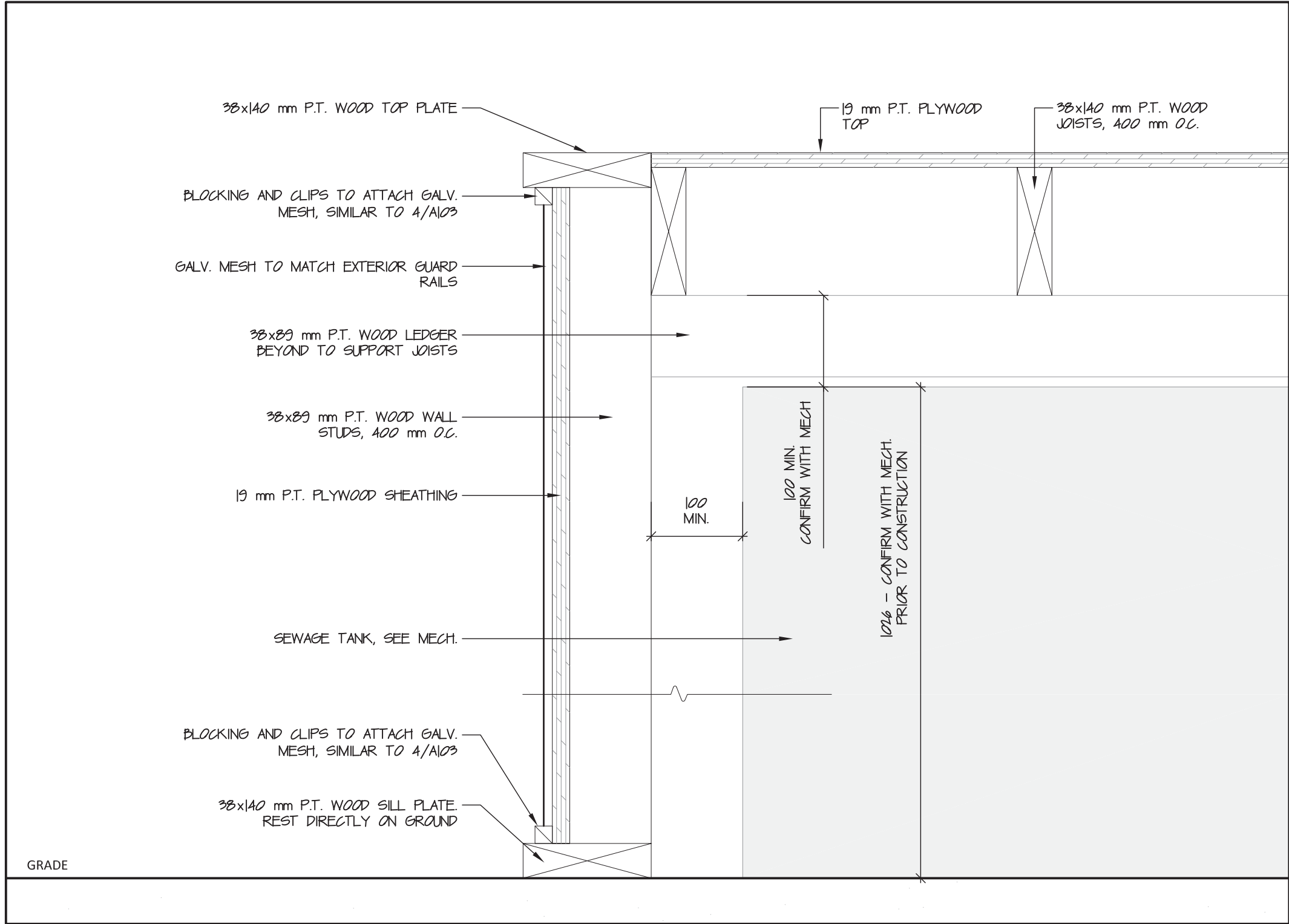
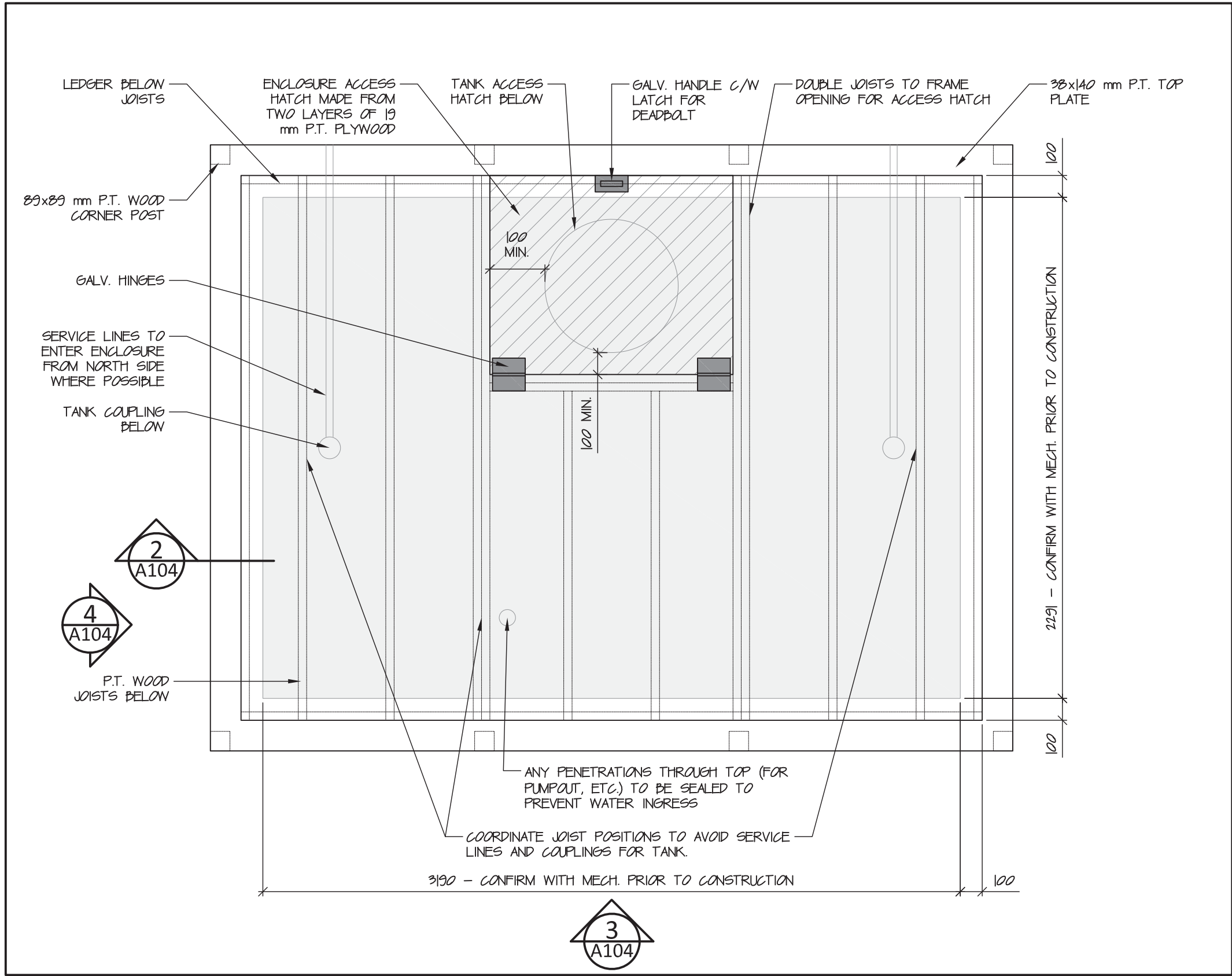
Sheet name:
Stair & Ramp Details

Project #
17-017

Drawing #
A102



A 103



NOTES
1. CONFIRM DIMENSIONS OF SEWAGE TANK AND MINIMUM CLEARANCES REQUIRED FOR ALL LINES SERVING THE TANK PRIOR TO CONSTRUCTING SEWAGE TANK ENCLOSURE.
2. EXTERIOR OF ENCLOSURE BOXES TO BE PAINTED WITH EXTERIOR GRADE ALKYD PAINT. COLOUR TO BE SELECTED BY CONSULTANT.

NOT FOR CONSTRUCTION
ALL DIMENSIONS TO BE SITE VERIFIED BY CONTRACTOR

1	9-Feb-18	Issued for Tender
#	Date	Description

Revisions
Date:
February 9, 2018

Project:
**NUNAVUT WATER BOARD
NEW OFFICE BUILDING**

Gjoa Haven, NU

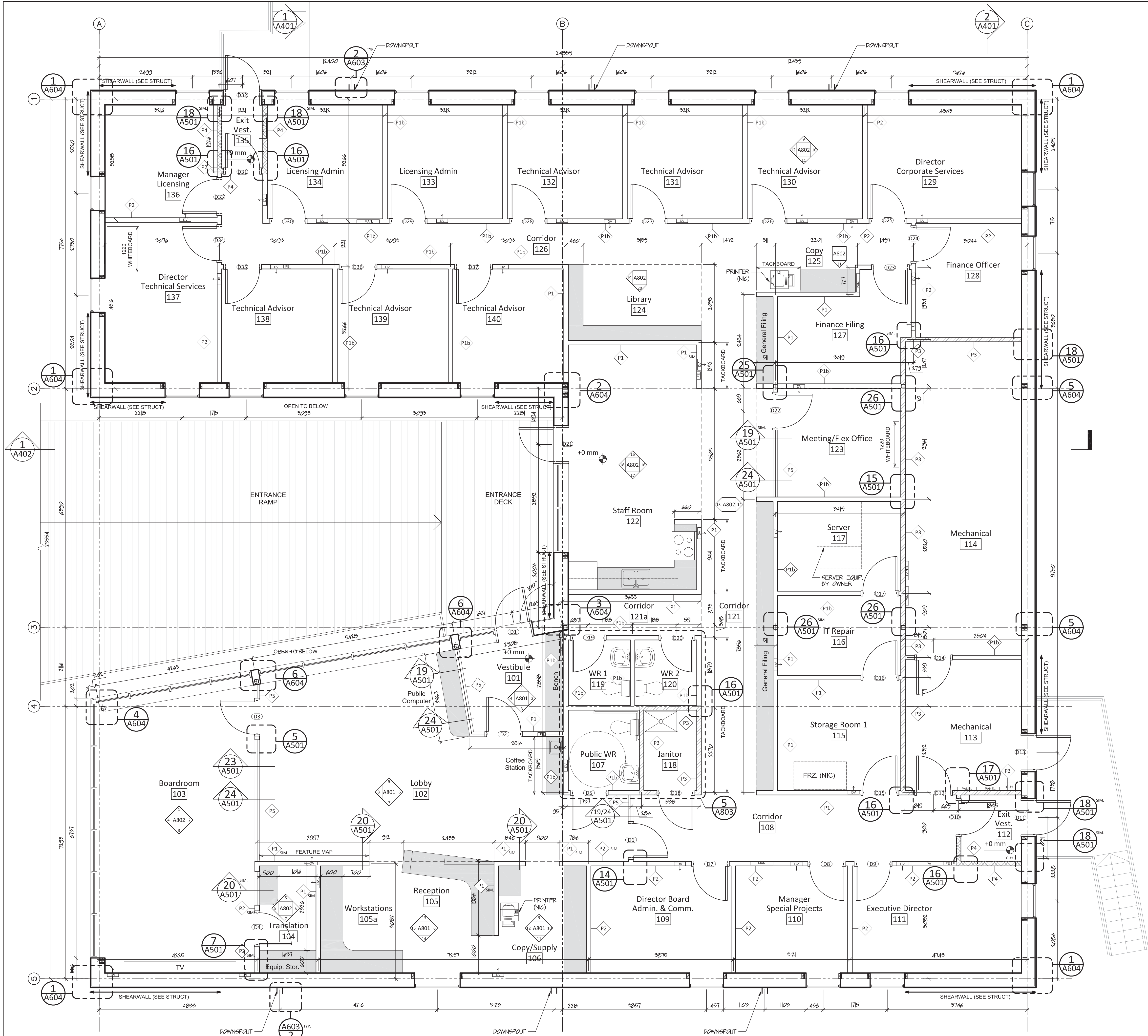
project north true north	Design by: S.T.
	Drawing by: C.O.
	Scale: As Noted

Sheet name:
Site Enclosure Boxes

Project #
17-017

Drawing #

A 1 0 4

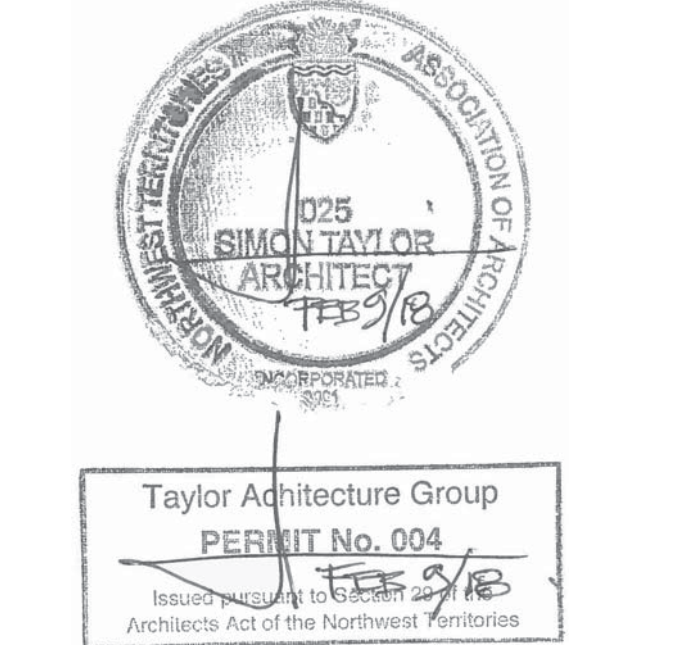


1 Main Floor Plan
A201 scale 1:50

LEGEND

- 45 MIN. FIRE RATED WALL
- 1 HR. FIRE RATED WALL
- MILLWORK
- TOP OF STRUCTURAL SUBFLOOR
- MANIFOLD - SEE MECH
- CABINET UNIT HEATER - SEE MECH
- RECESSED FIRE EXTINGUISHER CABINET - SEE MECH
- DISPLACEMENT VENT. GRILL - SEE MECH
- ELECTRICAL PANEL - SEE ELEC

NOTE: MECHANICAL AND ELECTRICAL ITEMS SHOWN FOR COORDINATION PURPOSES ONLY. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR INFORMATION.



- PARTITION ASSEMBLIES**
- P1** TYPICAL PARTITION TO U/S CEILING
16mm GYPSUM WALL BOARD
38x89mm WOOD STUDS @ 400mm O.C.
ACOUSTIC INSULATION
16mm TYPE X GYPSUM WALL BOARD
 - P1b** TYPICAL PARTITION TO U/S ROOF DECK
16mm GYPSUM WALL BOARD
38x89mm WOOD STUDS @ 400mm O.C.
ACOUSTIC INSULATION
16mm TYPE X GYPSUM WALL BOARD
 - P2** ACOUSTIC PARTITION TO U/S ROOF DECK
16mm TYPE X QUIET ROCK 530
38x89mm WOOD STUDS @ 400mm O.C.
SOUND ATTENUATING BATT INSULATION
ACOUSTIC CAULKING ALL SEAMS
16mm TYPE X QUIET ROCK 530
 - P3** 1 HR FIRE RATED PARTITION TO U/S ROOF DECK
16mm TYPE X GYPSUM WALL BOARD
38x89mm WOOD STUDS @ 400mm O.C.
ACOUSTIC INSULATION
16mm TYPE X GYPSUM WALL BOARD
 - P4** 45 MIN. FIRE RATED PARTITION TO U/S ROOF DECK
16mm TYPE X GYPSUM WALL BOARD
38x89mm WOOD STUDS @ 400mm O.C.
ACOUSTIC INSULATION
16mm TYPE X GYPSUM WALL BOARD
 - P5** GLAZED WALL
38x89 BUILT UP BASE (SEE 24/A501)
12mm LAMINATED TEMPERED GLASS
P1b PARTITION ABOVE CEILING
SEE INTERIOR ELEVATIONS FOR VERT. SILICONE SEAM LOCATIONS

NOT FOR CONSTRUCTION
ALL DIMENSIONS TO BE SITE VERIFIED BY CONTRACTOR

#	Date	Description
5	9-Feb-18	Issued for Tender
4	2-Feb-18	100% Construction Documents
3	19-Dec-17	66% Construction Documents
2	1-Dec-17	Client Review
1	15-Nov-17	Design Development
#	Date	Description

Revisions
November 15, 2017

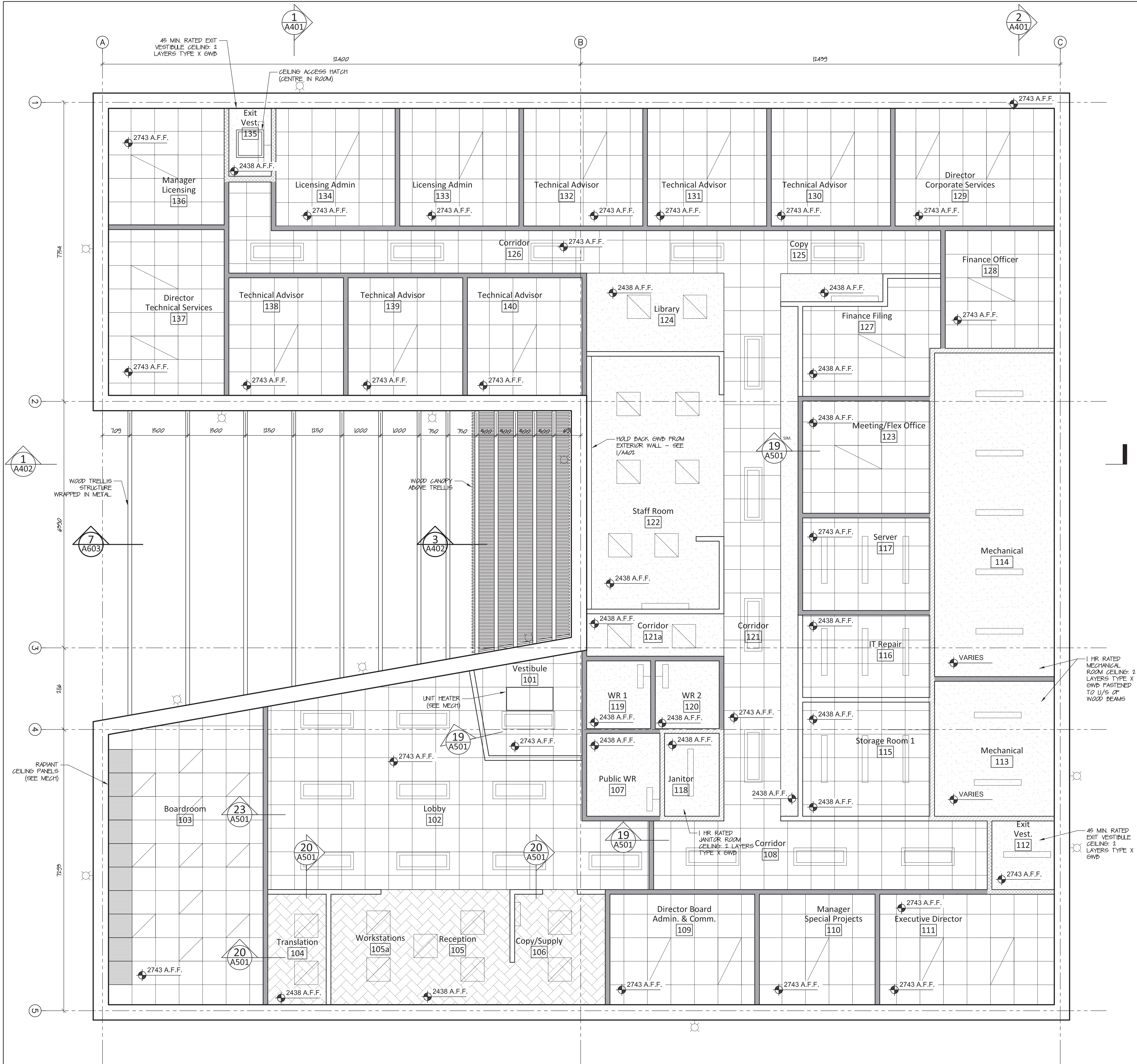
Project:
**NUNAVUT WATER BOARD
NEW OFFICE BUILDING**

Gjoa Haven, NU
project north
true north
Drawing by: S.T.
M.K.
Scale: As Noted

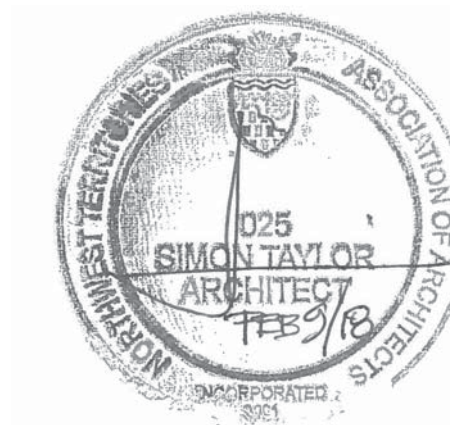
Sheet name:
Main Floor Plan

Project #
17-017

Drawing #
A201



1 Reflected Ceiling Plan
A202 scale 1:50



Taylor Architecture Group
PERMIT No. 004
Issued pursuant to the
Architects Act of the Northwest Territories

NOTES:

1. LIGHT FIXTURES ARE SHOWN FOR REFERENCE ONLY. SEE ELECTRICAL DRAWINGS FOR LIGHTING PLAN

LEGEND

- 45 MIN. FIRE RATED WALL TO U/S ROOF DECK
- 1 HR. FIRE RATED WALL TO U/S ROOF DECK
- NON-RATED WALL TO U/S ROOF DECK
SEE A201 FOR PARTITION TYPE
- GYPSUM WALL BOARD CEILING (16mm Type X)
- ACOUSTIC CEILING TILES
- 12mm PLYWOOD CEILING FINISH ON GWP
- EXPOSED ROOF STRUCTURE

NOT FOR CONSTRUCTION

ALL DIMENSIONS TO BE SITE VERIFIED BY CONTRACTOR

#	Date	Description
5	9-Feb-18	Issued for Tender
4	2-Feb-18	100% Construction Documents
3	29-Jan-18	Consultant Coordination
2	15-Dec-17	66% Construction
1	15-Nov-17	Design Development

Revisions

Date: November 15, 2017

Project:
**NUNAVUT WATER BOARD
NEW OFFICE BUILDING**

Gjoa Haven, NU

project north
Drawing by: S.T.
Scale: M.K./C.O.
As Noted

Sheet name:

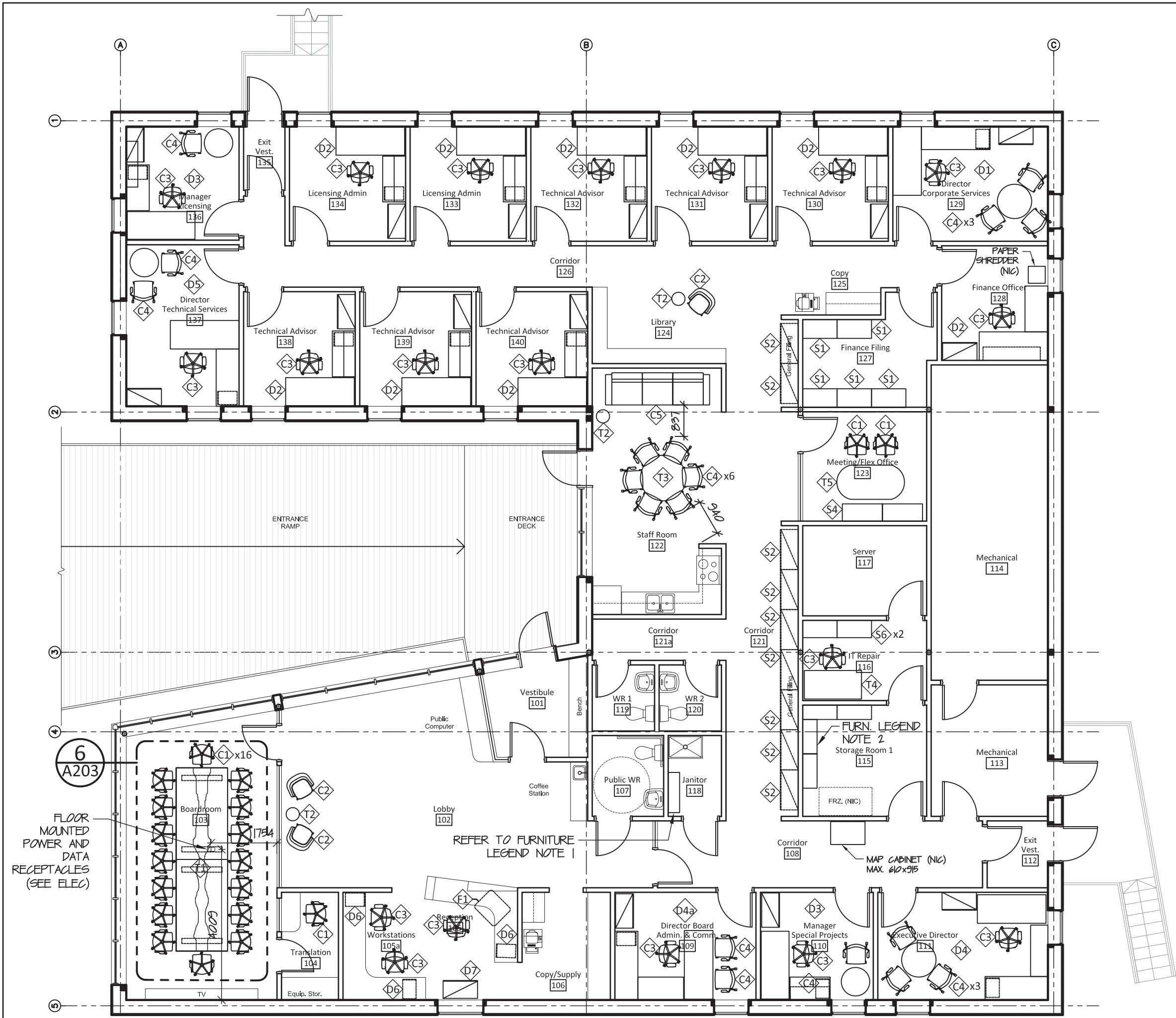
Reflected Ceiling Plan

Project #

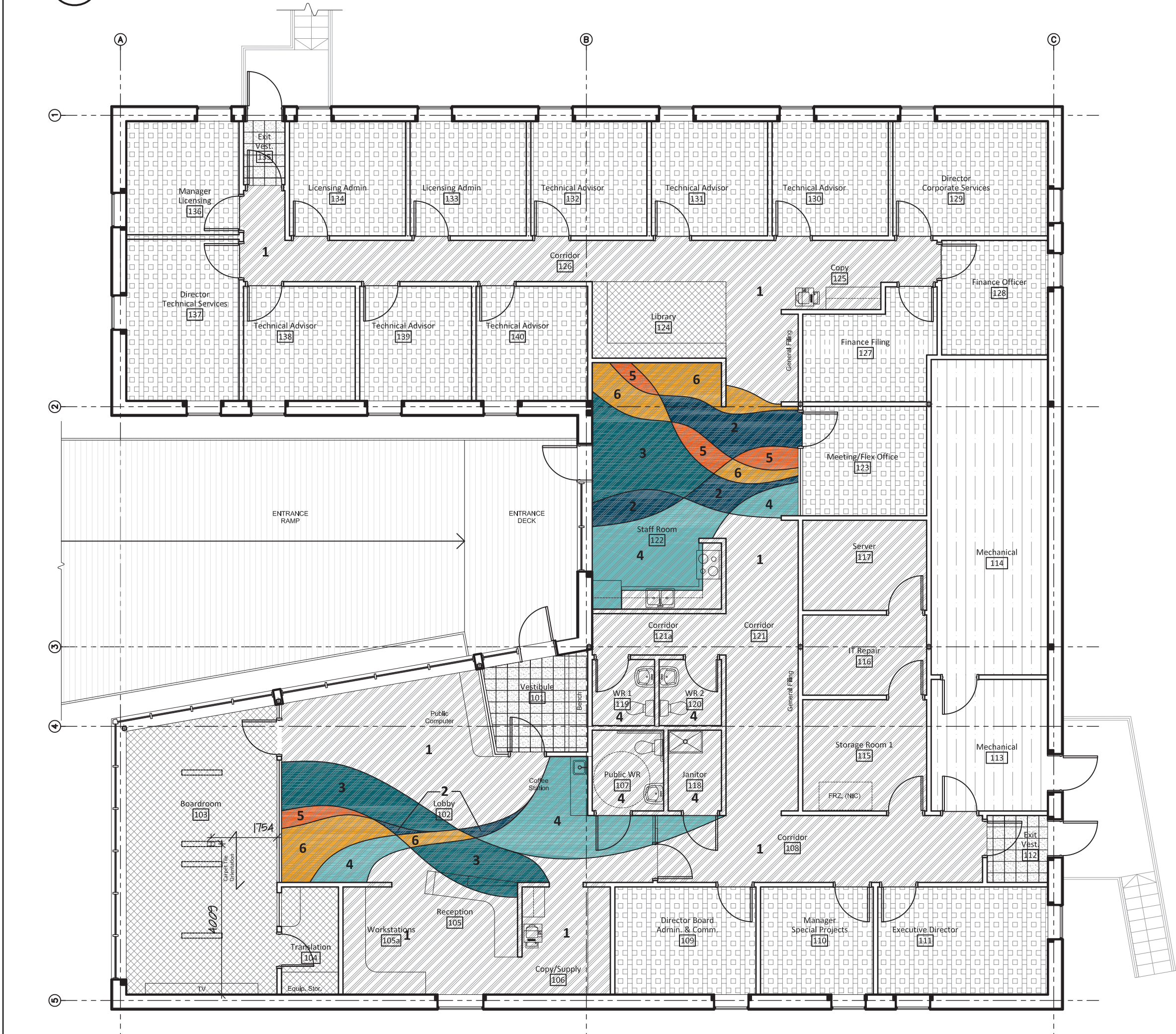
17-017

Drawing #

A202



1 Furniture Plan
A203 scale 1:100



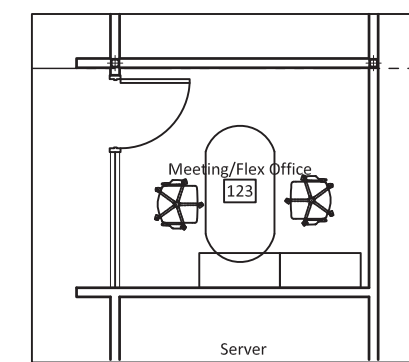
2 Floor Finish Plan
A203 scale 1:100

PRELIMINARY INTERIOR FINISH SCHEDULE

Nunavut Water Board Office

Room Number	Room Name	Wall Finish				Door	Wall Finish Notes/ Specialty Finishes	Base Finish	Floor Finish		Ceiling Finish		Blinds	
		North	East	South	West				Type	Colour			Ext.	Int.
General Notes: • Refer to Specifications for detailed product information, supply and installation requirements • Refer to Interior Elevations for wall finish details		• PTD GWB: Painted Gypsum wallboard. Colour: Benjamin Moore Cloud Cover OC-25eggshell finish unless otherwise noted • TILE: Grouted Ceramic Tile - Olympia Tile, CDC - Arctic White 4x12 Bright • Door & Window Trim, & Accent Grey as noted in details: Benjamin Moore Wool Peacoat CSP-25, satin finish • Millwork: 1. Laminate 1: Nevamar Sea moss - S5054T, textured finish 2. Laminate 2: Nevamar Beige Renaissance WM258-T, textured finish 3. Laminate 3: Plonite SG208 Limestone, textured finish 4. Laminate 4: Plonite AT740 Molten Metal, Suede finish 5. Wood veneer: white-wash stain over clear grain maple • Refer to Drawings and Details for Finish Locations				MDF Door Finish Colour As noted below - Benjamin Moore: • Colour 1: Wool Peacoat CSP-25 with 10% black added (submit sample for approval) • Colour 2: Bewitched CSP-540 • Colour 3: Dark Harbour CSP-720 • Colour 4: Tandooi CSP-1105 satin finish	• Backsplash - Ceramic tile Olympia Tile, CDC - Arctic White 4x12 Bright • Whiteboard • Tackboard: Forbo Bulletin - Colour noted below • Privacy Film - refer to Specifications • Plywood - clear maple plywood with whitewash stain • Refer to Drawings and Details for Finish Locations	• Rubber Base 4" with toe Johnsonite Mount 186 • Tile: Ceramic tile Olympia Tile, CDC - Arctic White 4x12 Bright	• NON-SLIP: Armstrong Safety Zone Tile • LINOLEUM: Forbo Marmoleum Real Linoleum - 1. Field 1 - 3136 Concrete 2. Field with inset accent pattern with following colours: 3218 Deep Ocean / 3125 Marigold / 3129 Spa / 3226 Marigold / 3125 Golden Sunset - refer to drawings for layout • CARPET TILE: Milliken 3. Field 3219 Spa 4. Field 1 (Plank): Latitude - On the Grid 2.8mm Install Pattern: Vertical Ashlar Half-Drop 2. Field 2 (Square): Landmark - Vestige 2mm Install Pattern: Monolithic • PAINTED PLYWOOD: General Paint Porch and Floor	• ACT: T-Bar Grid with Acoustic Ceiling Tile • PTD GWB: Painted Gypsum wallboard - Colour: Benjamin Moore Cloud Cover OC-25 - Flat finish • Plywood - refer to Plywood Wall Finish	• Hunter Douglas Contract Roller Shades Typical: E Screen 7503 - 3% openness - white/pearl Double Roll/Blackout, where noted: E screen (as above) - Sheerweave 7500 - Blackout - Canyon			
101		PTD GWB/ GLASS				Colour 1	PTD MDF around window to be Peacoat CSP-25 (interior and exterior of vestibule MDF walls) Millwork: Pine wood with clear coat polyurethane finish - refer to specifications and drawings	RUBBER	NON-SLIP	-		ACT	Y	
102	Lobby	GLASS	PTD GWB/ Millwork/ Tackboard	PTD GWB/ Plywood/ Special	GLASS	n/a	• Tackboard - 2182 with Custom Screenprinted Graphic/Map Imaging at South Wall • Tackboard - 2166 @ coffee station	RUBBER Reveal detail at plywood wall - see 13/A501	LINOLEUM	Style 2 - Field with Accent	ACT	Y	-	
103	Boardroom	GLASS	GLASS/Plywood	PTD GWB/ millwork	GLASS	Colour 1	• Privacy Film at East Glazed Partition	RUBBER Reveal detail at plywood wall - see 13/A501	CARPET TILE	Field 1 - OTG159-199-106-79 Pacific Realm	ACT		Double Roll	Double Roll
104	Translation Rm	PTD GWB/ Plywood	PTD GWB/ Plywood	PTD GWB/ millwork	PTD GWB/ Plywood/ GLASS	Colour 1		RUBBER	CARPET TILE	Field 2 - VES43 Penelope	Plywood	-	Y	
105	Reception	N/A	PTD GWB/Plywood	PTD GWB/ Plywood	PTD GWB/ Millwork/ Plywood	n/a		RUBBER @ exterior wall only. Reveal detail other plywood walls - see 13/A501	LINOLEUM	Style 2 - Field with Accent	Plywood	Y	-	
106	Copy/Supply	Plywood	PTD GWB/ Millwork	Plywood	Millwork/ Plywood	n/a		reveal detail - see 13/A501	LINOLEUM	Style 2 - Field with Accent	Plywood	-	-	
107	Public Washroom	PTD GWB*/TILE (partial height)	PTD GWB*/TILE (partial height)	PTD GWB*/TILE (partial height)	PTD GWB*	Colour 2	*PTD GWB Field: Benjamin Moore HC-117 Hancock Green	TILE	LINOLEUM	Field 3219 Spa	PTD GWB	-	-	
108	Corridor	PTD GWB	PTD GWB	PTD GWB	PTD GWB	Colour 1	Privacy Film at Corridor Door West Wall	RUBBER	LINOLEUM	Style 1 - Field	ACT	-	-	
109	Director Board Admin. & Comm.	PTD GWB	PTD GWB	PTD GWB	PTD GWB	Colour 4		RUBBER	CARPET TILE	Field 2 - VES43 Penelope	ACT	Y	-	
110	Manager Special Projects	PTD GWB	PTD GWB	PTD GWB	PTD GWB	Colour 3		RUBBER	CARPET TILE	Field 2 - VES43 Penelope	ACT	Y	-	
111	Executive Director	PTD GWB	PTD GWB	PTD GWB	PTD GWB	Colour 2		RUBBER	CARPET TILE	Field 2 - VES43 Penelope	ACT	Y	-	
112	Exit Vestibule	PTD GWB	PTD GWB	PTD GWB	PTD GWB	Colour 1		RUBBER	NON-SLIP	57001 Shale Gray 57003 Patina Green 57009 Forest Floor 57010 River Rock	PTD GWB	-	-	
113	Mechanical	PTD GWB	PTD GWB	PTD GWB	PTD GWB	Colour 1		RUBBER	PAINTED PLYWOOD	Benjamin Moore CSP-745 Mystic Lake	PTD GWB	-	-	
114	Mechanical	PTD GWB	PTD GWB	PTD GWB	PTD GWB	Colour 1		RUBBER	PAINTED PLYWOOD	Benjamin Moore CSP-745 Mystic Lake	PTD GWB	-	-	
115	General Storage	PTD GWB	PTD GWB	PTD GWB	PTD GWB	Colour 3		RUBBER	LINOLEUM	Style 1 - Field	ACT	-	-	
116	IT Repair	PTD GWB	PTD GWB	PTD GWB	PTD GWB	Colour 2		RUBBER	LINOLEUM	Style 1 - Field	ACT	-	-	
117	Server	PTD GWB	PTD GWB	PTD GWB	PTD GWB	Colour 4		RUBBER	LINOLEUM	Style 1 - Field	ACT	-	-	
118	Janitor	PTD GWB*/TILE (partial height)	PTD GWB	PTD GWB	PTD GWB*/TILE (partial height)	Colour 1		RUBBER Typ/ Tile @ tiled walls	LINOLEUM	Field 3219 Spa	PTD GWB	-	-	
119	Washroom 1	PTD GWB*/TILE (partial height)	PTD GWB*/TILE (partial height)	PTD GWB*/TILE (partial height)	PTD GWB*	Colour 3	*PTD GWB Field: Benjamin Moore HC-117 Hancock Green	TILE	LINOLEUM	Field 3219 Spa	PTD GWB	-	-	
120	Washroom 2	PTD GWB*/TILE (partial height)	PTD GWB*/TILE (partial height)	PTD GWB*/TILE (partial height)	PTD GWB*/TILE (partial height)	Colour 2	*PTD GWB Field: Benjamin Moore HC-117 Hancock Green	TILE	LINOLEUM	Field 3219 Spa	PTD GWB	-	-	
121	Corridor	N/A	PTD GWB/ Millwork	N/A	PTD GWB/ SPECIAL	n/a	Tackboard - 2166 @ 3 locations (refer to elevations)	RUBBER	LINOLEUM	Style 2 - Field with Accent	ACT/ PTD GWB Bulkhead	-	-	
121a	Corridor	PTD GWB	N/A	PTD GWB	PTD GWB	n/a		RUBBER	LINOLEUM	Style 1 - Field	PTD GWB	-	-	
122	Staff Room	PTD GWB	N/A	PTD GWB/ Millwork/ Special	PTD GWB/ GLASS	n/a	Tile Backsplash over kitchen	RUBBER	LINOLEUM	Style 2 - Field with Accent	PTD GWB	Y	-	
123	Meeting/Flex Office	PTD GWB	PTD GWB/ Whiteboard	PTD GWB	PTD GWB/ GLASS/ Special	Colour 2	Whiteboard East Wall (1220 W x 1067 H) - align with top of door; with marker shelf Privacy film @ West Wall	RUBBER	CARPET TILE	Field 2 - VES43 Penelope	ACT	-	Y	
124	Library	N/A	N/A	PTD GWB/ Millwork	PTD GWB/ Millwork	n/a		RUBBER	CARPET TILE	Field 1 - OTG159-199-106-79 Pacific Realm	PTD GWB	-	-	
125	Copy	N/A	PTD GWB	PTD GWB/ Millwork	N/A	n/a	Tackboard - 2166	RUBBER	LINOLEUM	Style 2 - Field with Accent	ACT/ PTD GWB Bulkhead	-	-	
126	Corridor	PTD GWB	PTD GWB	PTD GWB	PTD GWB	n/a		RUBBER	LINOLEUM	Style 1 - Field	ACT	-	-	
127	Finance Filing	PTD GWB	PTD GWB	PTD GWB	PTD GWB	Colour 4		RUBBER	CARPET TILE	Field 2 - VES43 Penelope	ACT	-	-	
128	Finance Officer	PTD GWB	PTD GWB	PTD GWB	PTD GWB	Colour 3		RUBBER	CARPET TILE	Field 2 - VES43 Penelope	ACT	Y	-	
129	Director Corporate Services	PTD GWB	PTD GWB	PTD GWB	PTD GWB	Colour 2		RUBBER	CARPET TILE	Field 2 - VES43 Penelope	ACT	Y	-	
130	Technical Advisor	PTD GWB	PTD GWB	PTD GWB	PTD GWB	Colour 4		RUBBER	CARPET TILE	Field 2 - VES43 Penelope	ACT	Y	-	
131	Technical Advisor	PTD GWB	PTD GWB	PTD GWB	PTD GWB	Colour 3		RUBBER	CARPET TILE	Field 2 - VES43 Penelope	ACT	Y	-	
132	Technical Advisor	PTD GWB	PTD GWB	PTD GWB	PTD GWB	Colour 2		RUBBER	CARPET TILE	Field 2 - VES43 Penelope	ACT	Y	-	
133	Licensing Admin	PTD GWB	PTD GWB	PTD GWB	PTD GWB	Colour 4		RUBBER	CARPET TILE	Field 2 - VES43 Penelope	ACT	Y	-	
134	Licensing Admin	PTD GWB	PTD GWB	PTD GWB	PTD GWB	Colour 3		RUBBER	CARPET TILE	Field 2 - VES43 Penelope	ACT	Y	-	
135	Exit Vestibule	PTD GWB	PTD GWB	PTD GWB	PTD GWB	Colour 1		RUBBER	NON-SLIP	57001 Shale Gray 57003 Patina Green 57009 Forest Floor 57010 River Rock	PTD GWB	-	-	
136	Manager Licensing	PTD GWB	PTD GWB	PTD GWB	PTD GWB	Colour 2		RUBBER	CARPET TILE	Field 2 - VES43 Penelope	ACT	Y	-	
137	Director Technical Services	PTD GWB	PTD GWB	PTD GWB	PTD GWB/Special	Colour 4	Whiteboard West Wall (1220 W x 1067 H) - align with top of door with marker shelf	RUBBER	CARPET TILE	Field 2 - VES43 Penelope	ACT	Y	-	
138	Technical Advisor	PTD GWB	PTD GWB	PTD GWB	PTD GWB	Colour 3		RUBBER	CARPET TILE	Field 2 - VES43 Penelope	ACT	Y	-	
139	Technical Advisor	PTD GWB	PTD GWB	PTD GWB	PTD GWB	Colour 2		RUBBER	CARPET TILE	Field 2 - VES43 Penelope	ACT	Y	-	
140	Technical Advisor	PTD GWB	PTD GWB	PTD GWB	PTD GWB	Colour 4		RUBBER	CARPET TILE	Field 2 - VES43 Penelope	ACT	Y	-	

3 Finish Schedule
A203 scale 1:100

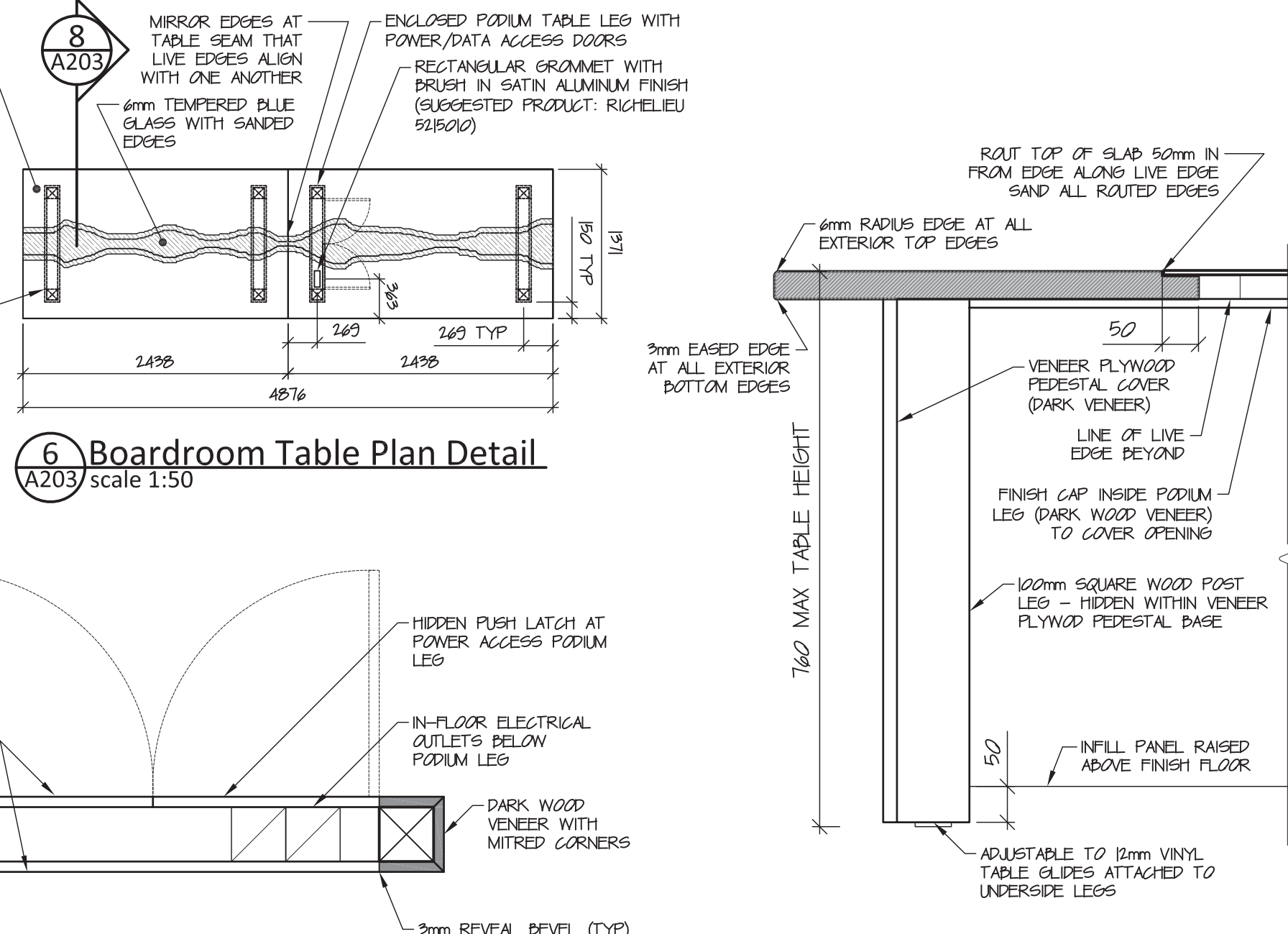


Alternative Layout

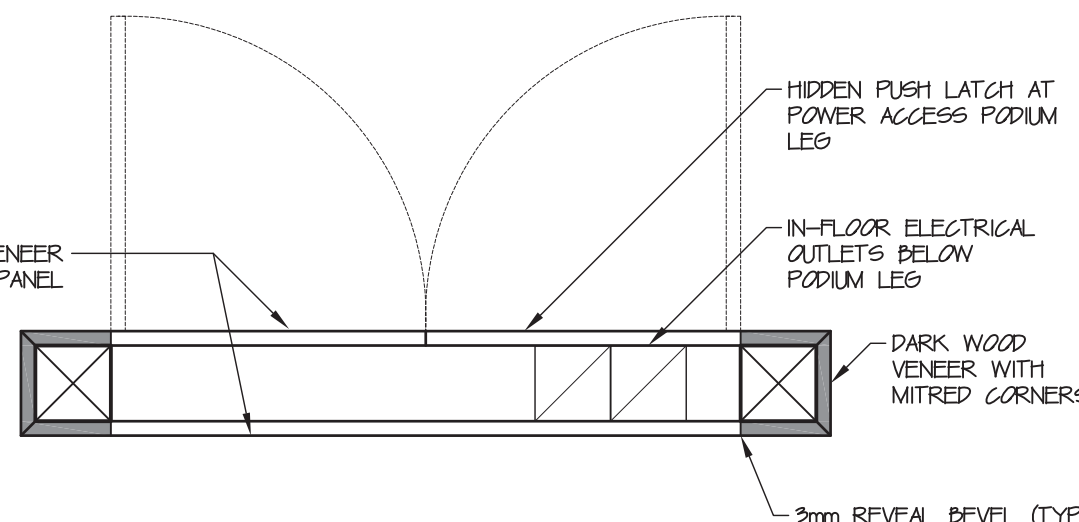
4 - Flex Office
A203 scale 1:100



5 Typical Flooring Transition
A203 scale 1:25

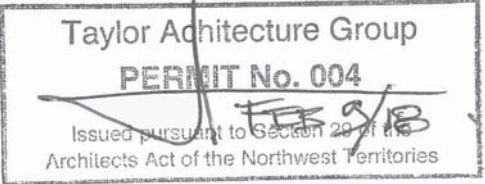


6 Boardroom Table Plan Detail
A203 scale 1:50



7 Boardroom Table Leg Detail
A203 scale 1:10

8 Boardroom Table Section Detail
A203 scale 1:7.5



FURNITURE LEGEND

REVIEW IN CONJUNCTION WITH FURNITURE SCHEDULE

Furniture ID Symbol

NOTE 1. WALL MOUNTED METAL RACK SHELVING. REFER TO SPECIFICATIONS 10 56 13. QUANTITY - 1 TOTAL ASSEMBLY

NOTE 2. FREESTANDING HEAVY DUTY METAL SHELVING. REFER TO SPECIFICATIONS 10 56 13. QUANTITY - 4 TOTAL

FLOOR FINISH LEGEND
REVIEW IN CONJUNCTION WITH FINISH SCHEDULE 3/A203

Non-Slip Flooring
Random Checkerboard - equal parts 4 colours

Linoleum
1. 3136 Concrete

Accent Detail -
Inset Colour Linoleum
2. 3218 Deep Ocean
3. 3242 Adriatica
4. 3219 Spa
5. 3226 Marigold
6. 3125 Golden Sunset

Painted Plywood

Carpet Tile - Field 1

Carpet Tile - Field 2

NOT FOR CONSTRUCTION
ALL DIMENSIONS TO BE SITE VERIFIED BY CONTRACTOR

#	Date	Description
4	9-Feb-18	Issued for Tender
3	2-Feb-18	100% Construction Documents
2	19-Dec-17	66% Construction Documents
1	15-Nov-17	Design Development
#	Date	Description

Revisions

Date: November 15, 2017

Project: NUNAVUT WATER BOARD
New Office Building

Gjoa Haven, NU

project north
true north
Design by: S.T.
Drawing by: K.F.
Scale: As Noted

Sheet name:

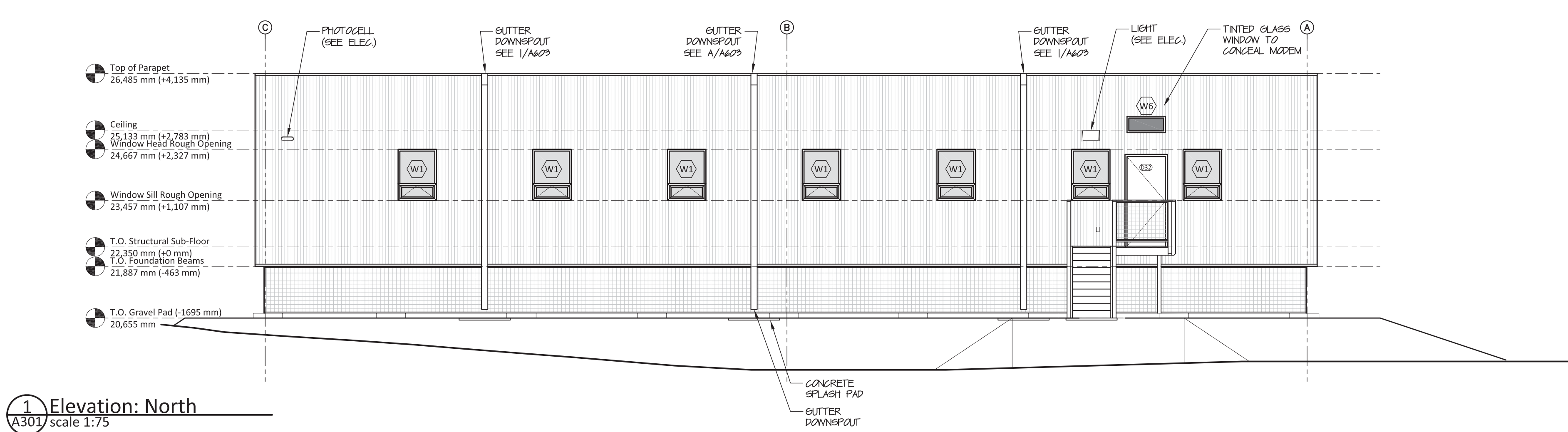
Furniture Plan
Finish Plan
Finish Schedule

Project #

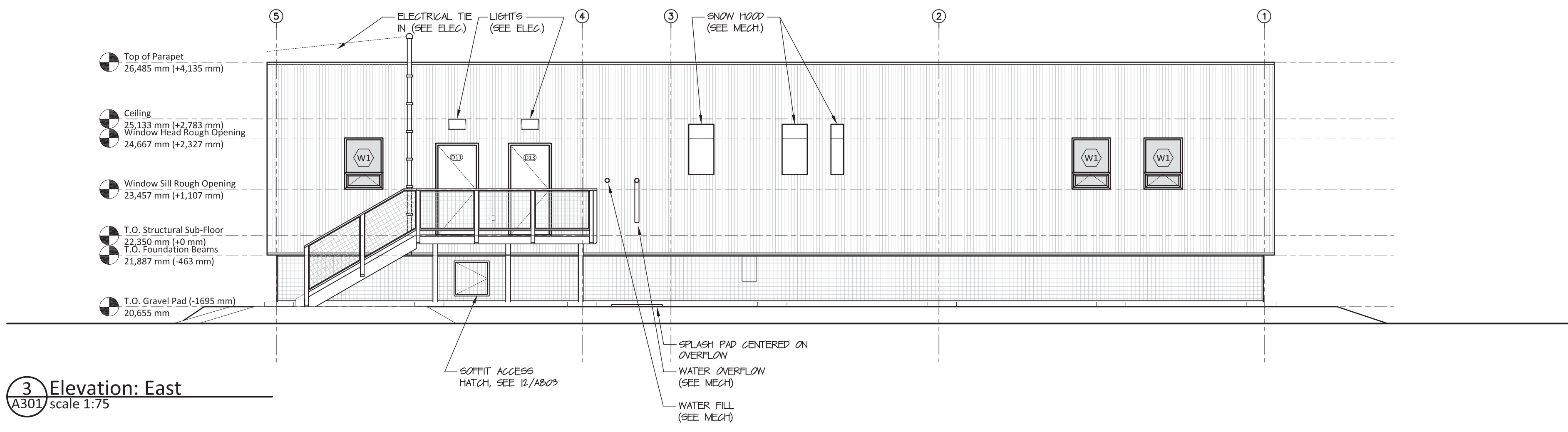
17-017

Drawing #

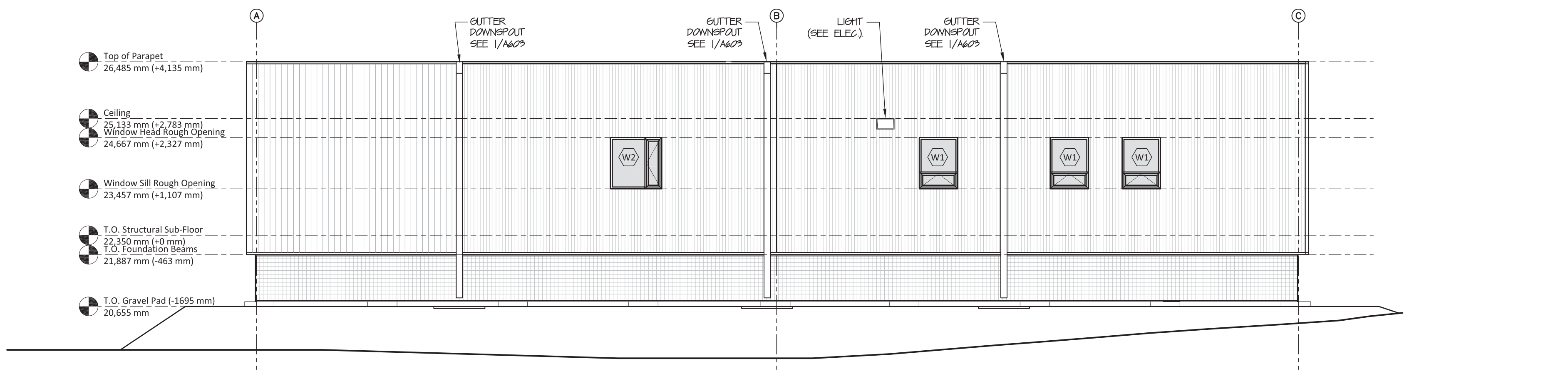
A203



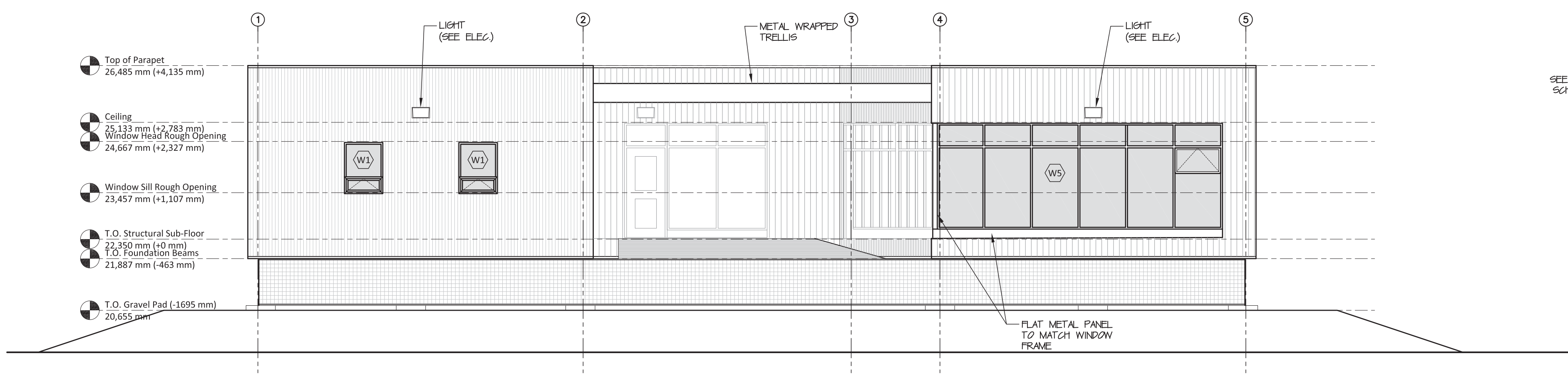
1 Elevation: North
A301 scale 1:75



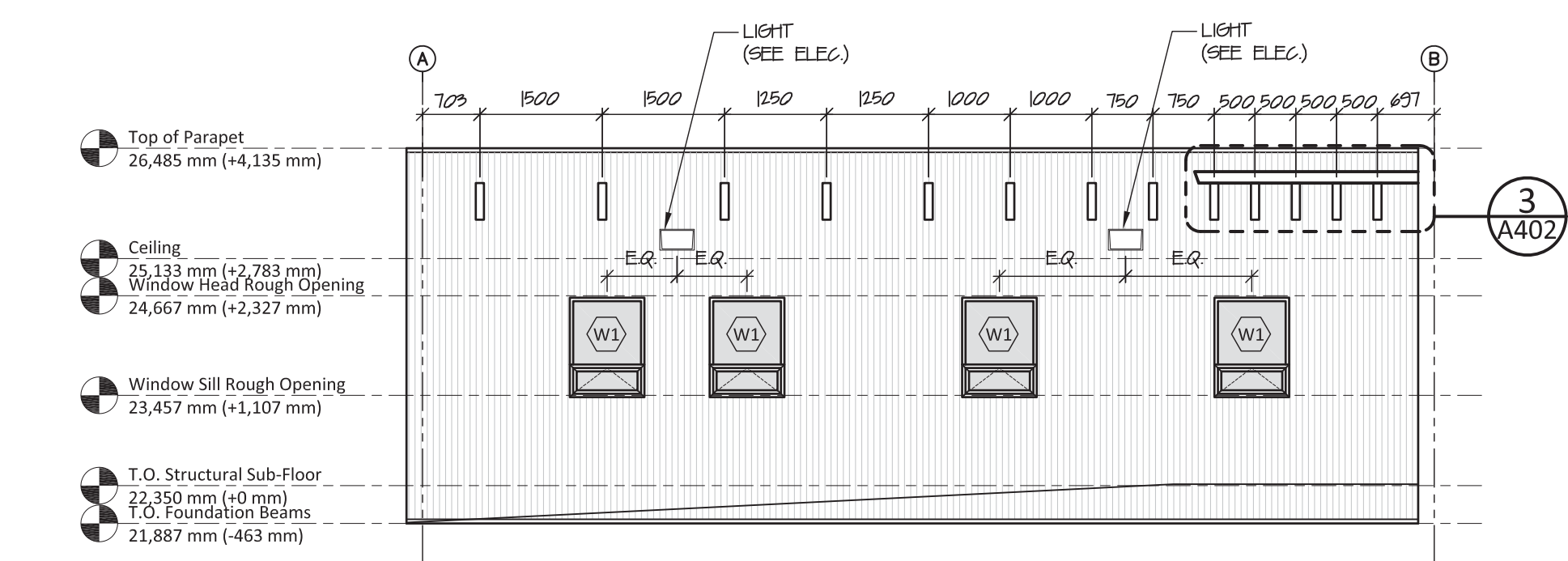
3 Elevation: East
A301 scale 1:75



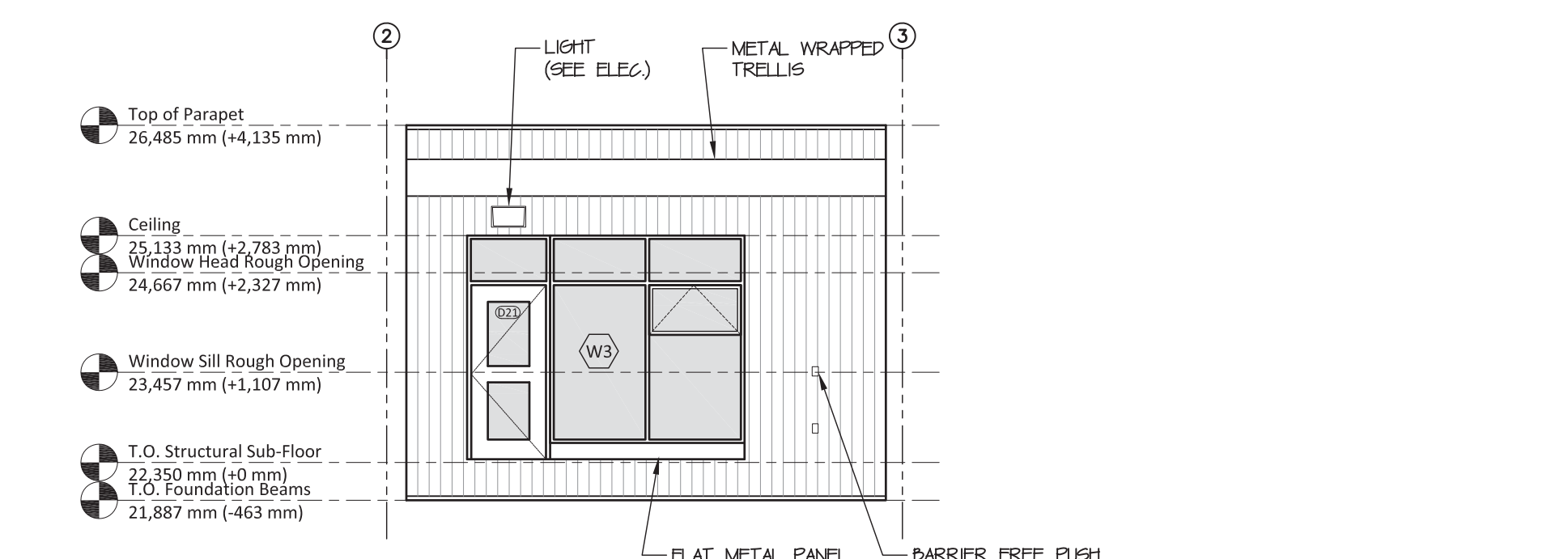
5 Elevation: South
A301 scale 1:75



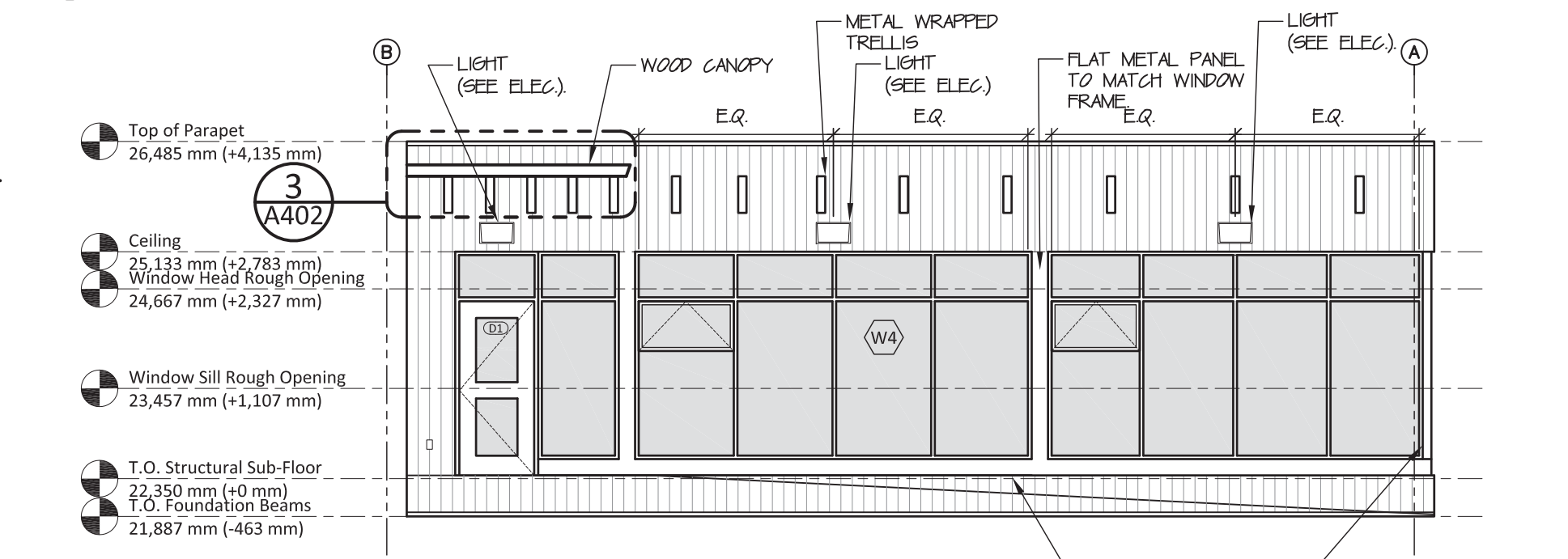
7 Elevation: West
A301 scale 1:75



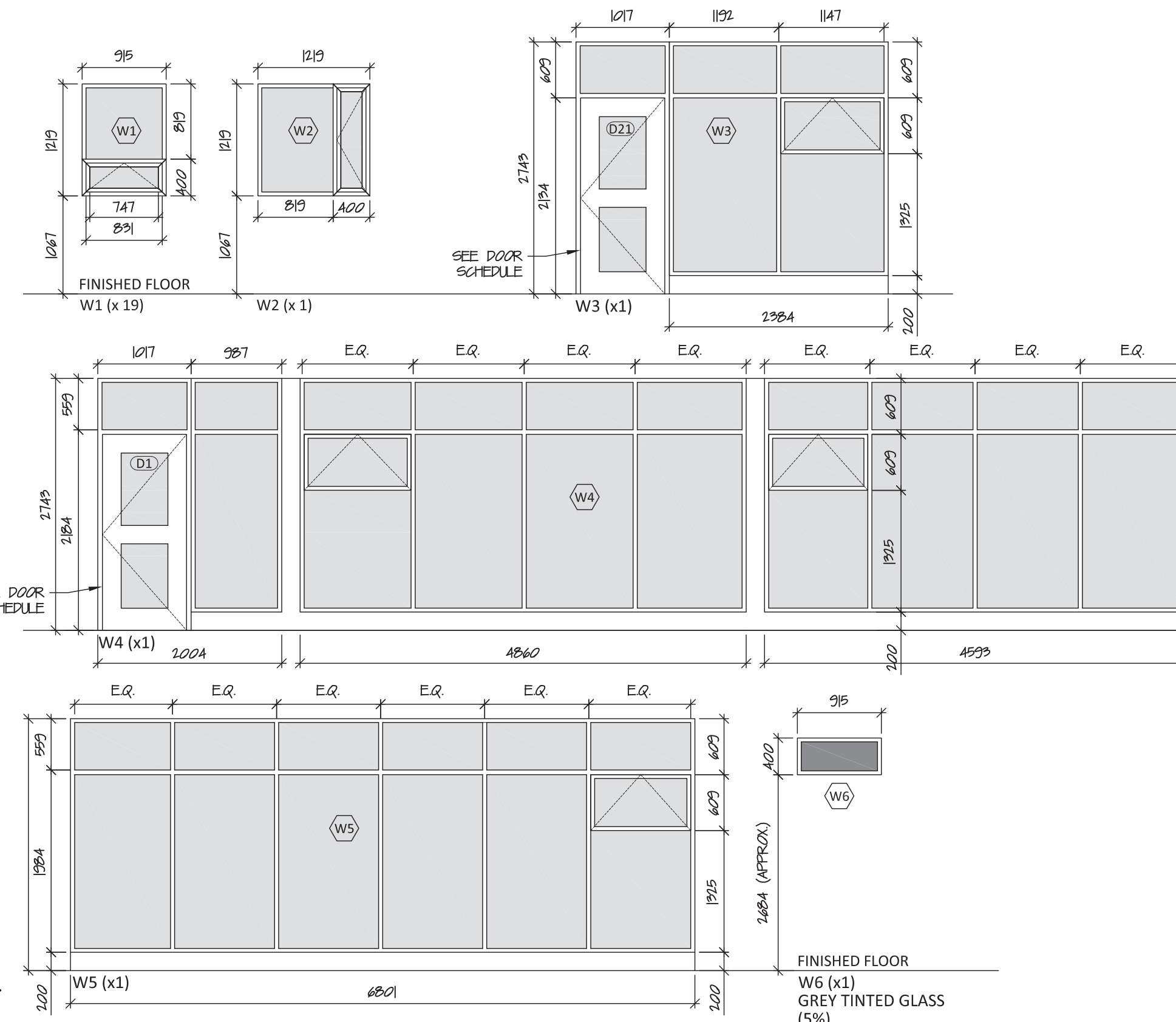
2 Courtyard Elevation: South
A301 scale 1:75



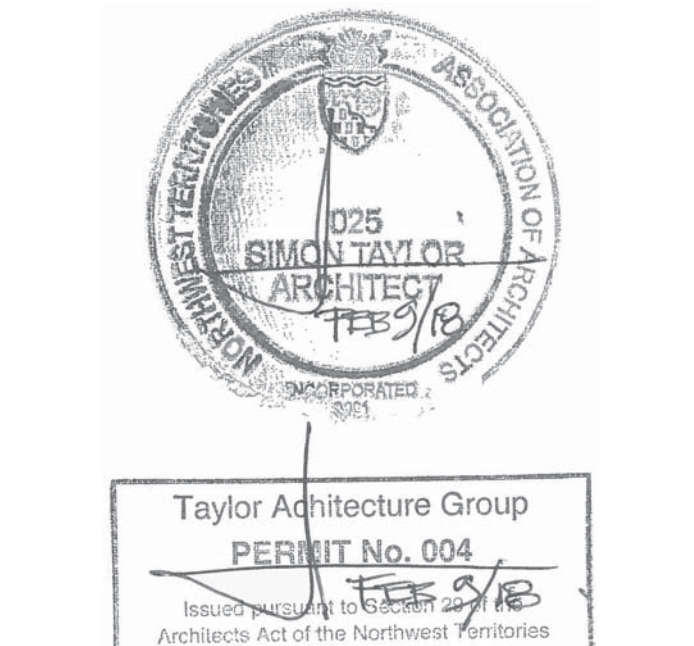
4 Courtyard Elevation: West
A301 scale 1:75



6 Courtyard Elevation: North
A301 scale 1:75



8 Window Schedule
A301 scale 1:50



LEGEND - SIDING

22 mm CORRUGATED GALVALUME, INSTALLED VERTICALLY

19 x 200 mm STAINED RED PINE, INSTALLED VERTICALLY

SAMPLE ELEVATION TAG

Window Sill Rough Opening
23,457 mm (+1,107 mm)

ELEVATION RELATIVE TO STRUCTURAL SUB-FLOOR

ELEVATION TIED TO SITE SURVEY

EXTERIOR COLOUR SCHEDULE	
REFER TO SPECIFICATIONS FOR PRODUCT INFORMATION	
Doors	
D1	Benjamin Moore Teal 2055-10
D21	Benjamin Moore Teal 2055-10
D11	Benjamin Moore Wool Peacoat CSP-25
D13	Benjamin Moore Wool Peacoat CSP-25
D32	Benjamin Moore Wool Peacoat CSP-25
Door Trim	
D1	Match paint colour to fibreglass window finish colour. Submit samples to Architect for confirmation. Refer to Specifications for more information.
Wood Siding	
Option 1	Sherwin Williams SW 3504 Woodridge
Option 2	Sherwin Williams SW 3508 Covered Bridge
Option 3	Sherwin Williams SW 3540 Mountain Ash
	Three (3) samples of each to be submitted to architect for confirmation. Refer to Specifications for more information.
Metal Siding	
Vicwest	56072 Charcoal

NOT FOR CONSTRUCTION
ALL DIMENSIONS TO BE SITE VERIFIED BY CONTRACTOR

#	Date	Description
4	09-Feb-18	Issued for Tender
3	02-Feb-18	100% Construction Documents
2	19-Dec-17	66% Construction Documents
1	15-Nov-17	Design Development
#	Date	Description
Revisions		
Date:		
November 15, 2017		

Project:
**NUNAVUT WATER BOARD
NEW OFFICE BUILDING**

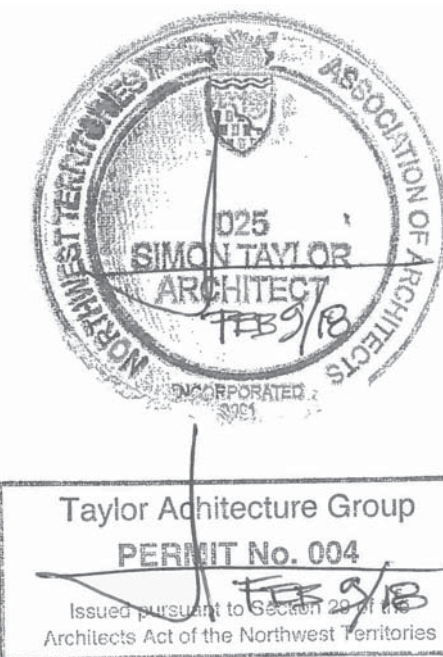
Gjoa Haven, NU

project north	Design by:	S.T.
True North	Drawing by:	T.F.
	Scale:	As Noted

Sheet name:
**Building Elevations &
Window Schedule**

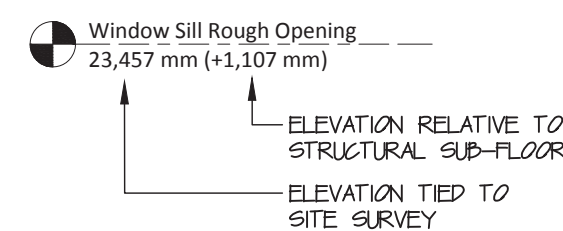
Project #
17-017

Drawing #
A301



- NOTES**
- SEE A601 FOR WALL, ROOF, AND FLOOR ASSEMBLIES
 - FOR PARTITIONS THAT ONLY EXTEND TO UNDERSIDE OF CEILING, PROVIDE FOR TIE BACKS IN CEILING SPACE FROM TOP OF WALL FRAMING TO UNDERSIDE OF ROOF DECK. ONLY REQUIRED WHERE ADJACENT PARTITIONS DO NOT PROVIDE ADEQUATE STRUCTURAL SUPPORT.

SAMPLE ELEVATION TAG



NOT FOR CONSTRUCTION
ALL DIMENSIONS TO BE SITE VERIFIED BY CONTRACTOR

4	9-Feb-18	Issued for Tender
3	2-Feb-18	100% Construction Documents
2	19-Dec-17	66% Construction Documents
1	15-Nov-17	Design Development
#	Date	Description

Revisions
Date: November 15, 2017

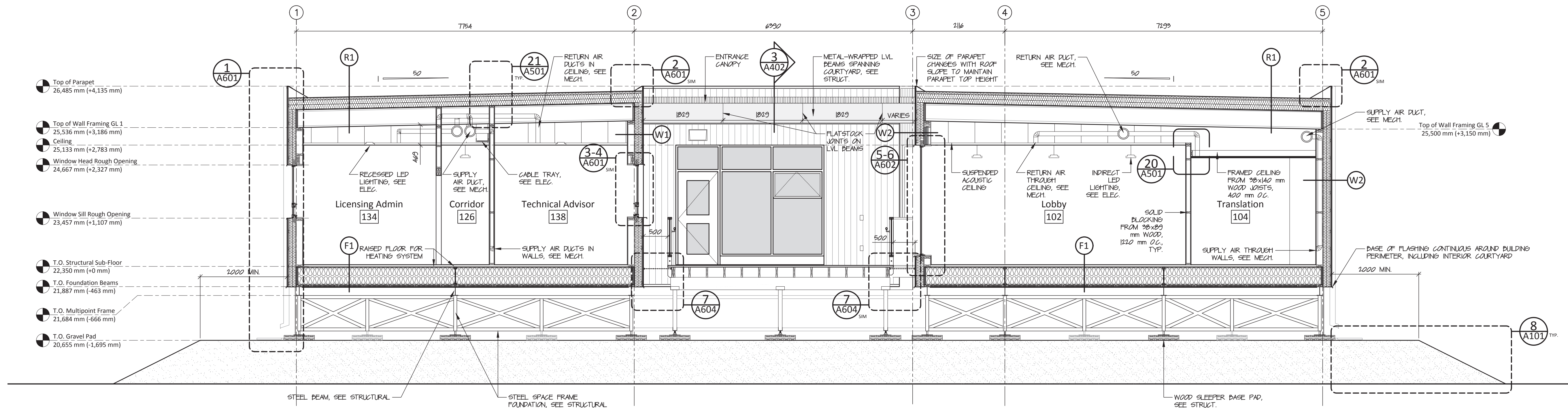
Project:
**NUNAVUT WATER BOARD
NEW OFFICE BUILDING**

Gjoa Haven, NU
project north
true north
Design by: S.T.
Drawing by: C.O.
Scale: As Noted

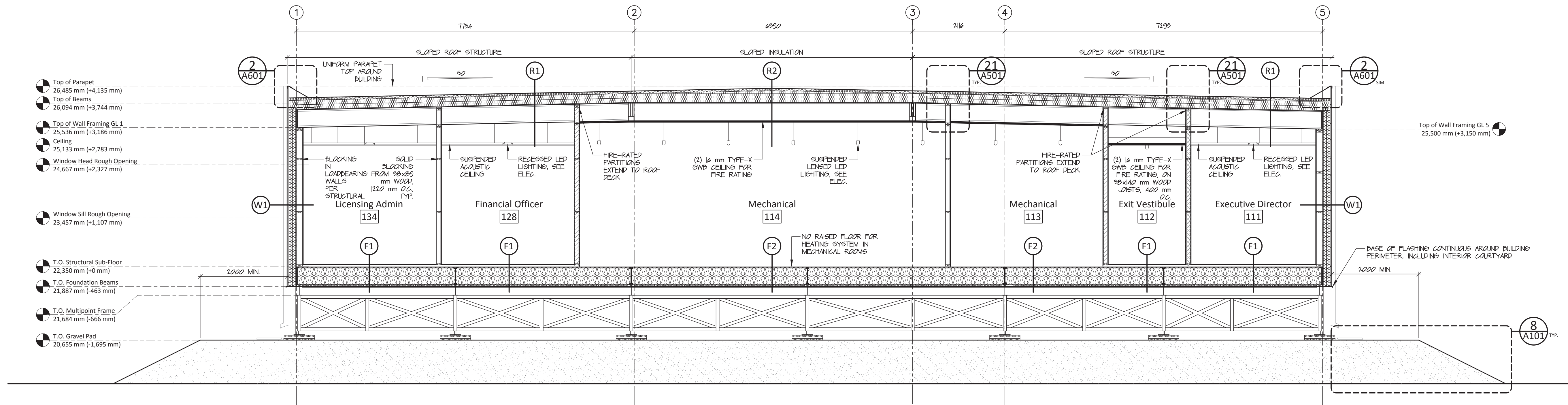
Sheet name:
Building Sections 1

Project #
17-017

Drawing #
A401



1 North-South Section Through Courtyard
A401 scale 1:50



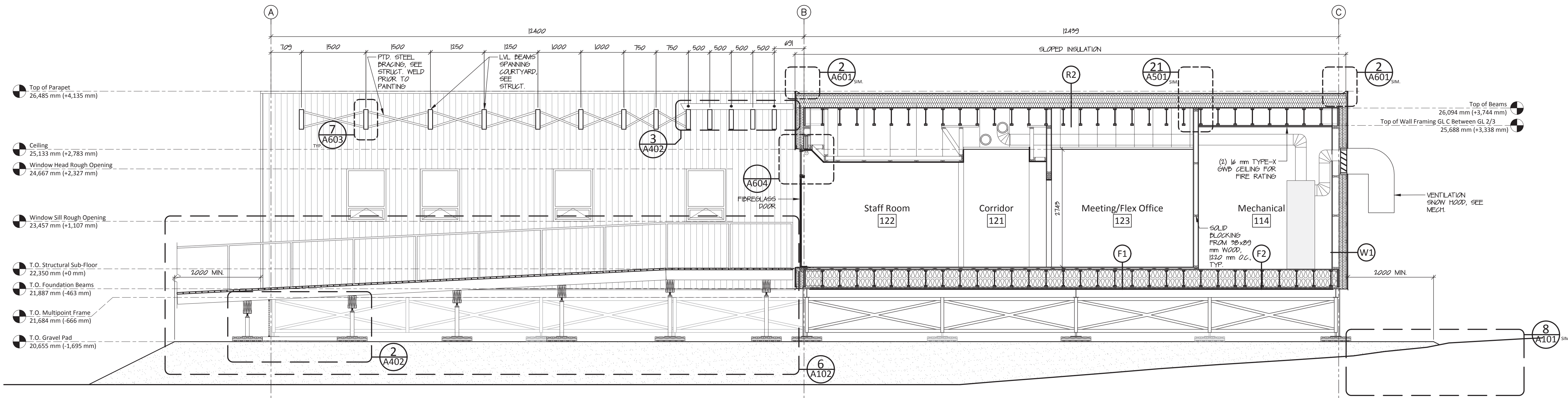
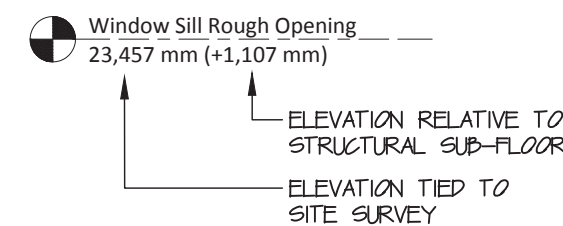
2 North-South Section Through Mechanical Room
A401 scale 1:50



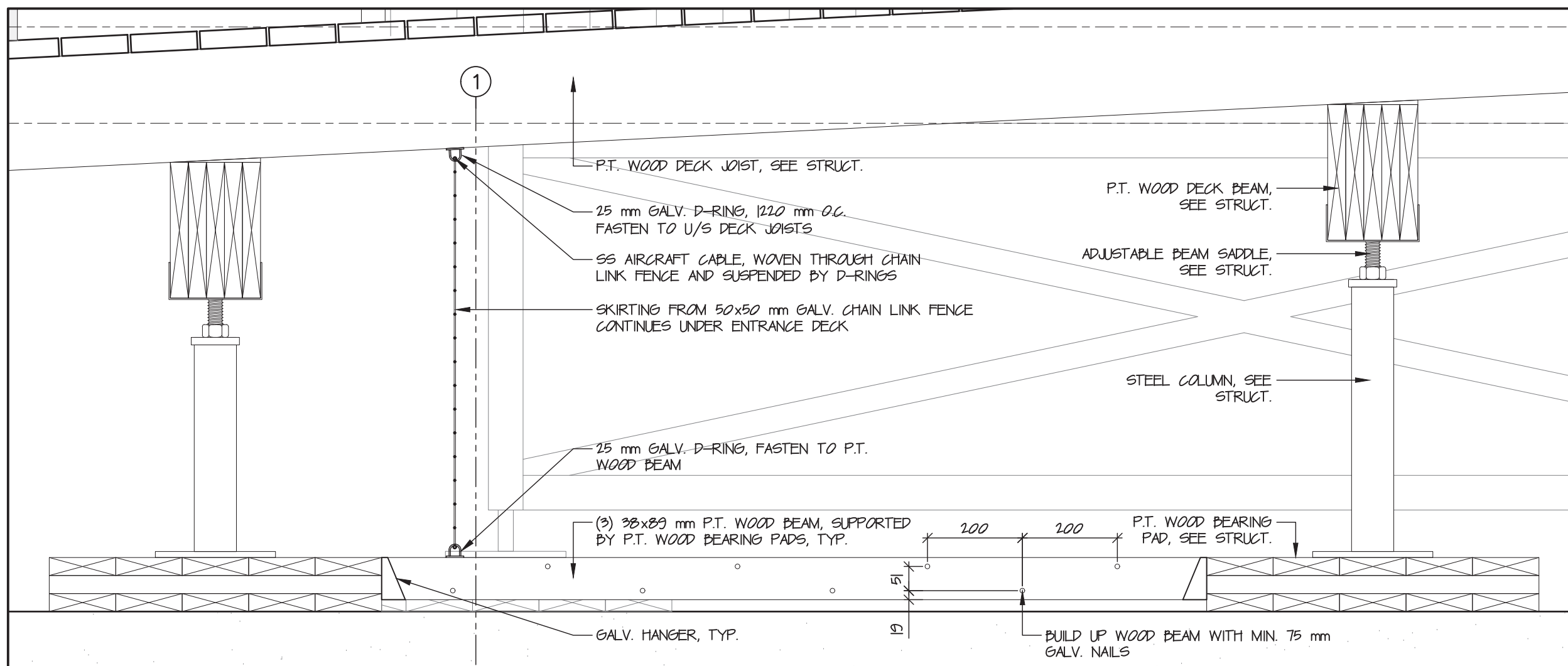
Taylor Architecture Group
PERMIT No. 004
Issued pursuant to the
NTS/B
Architects Act of the Northwest Territories

- NOTES**
1. SEE A601 FOR WALL, ROOF, AND FLOOR ASSEMBLIES
 2. FOR PARTITIONS THAT ONLY EXTEND TO UNDERSIDE OF CEILING, PROVIDE FOR TIE BACKS IN CEILING SPACE FROM TOP OF WALL FRAMING TO UNDERSIDE OF ROOF DECK. ONLY REQUIRED WHERE ADJACENT PARTITIONS DO NOT PROVIDE ADEQUATE STRUCTURAL SUPPORT.

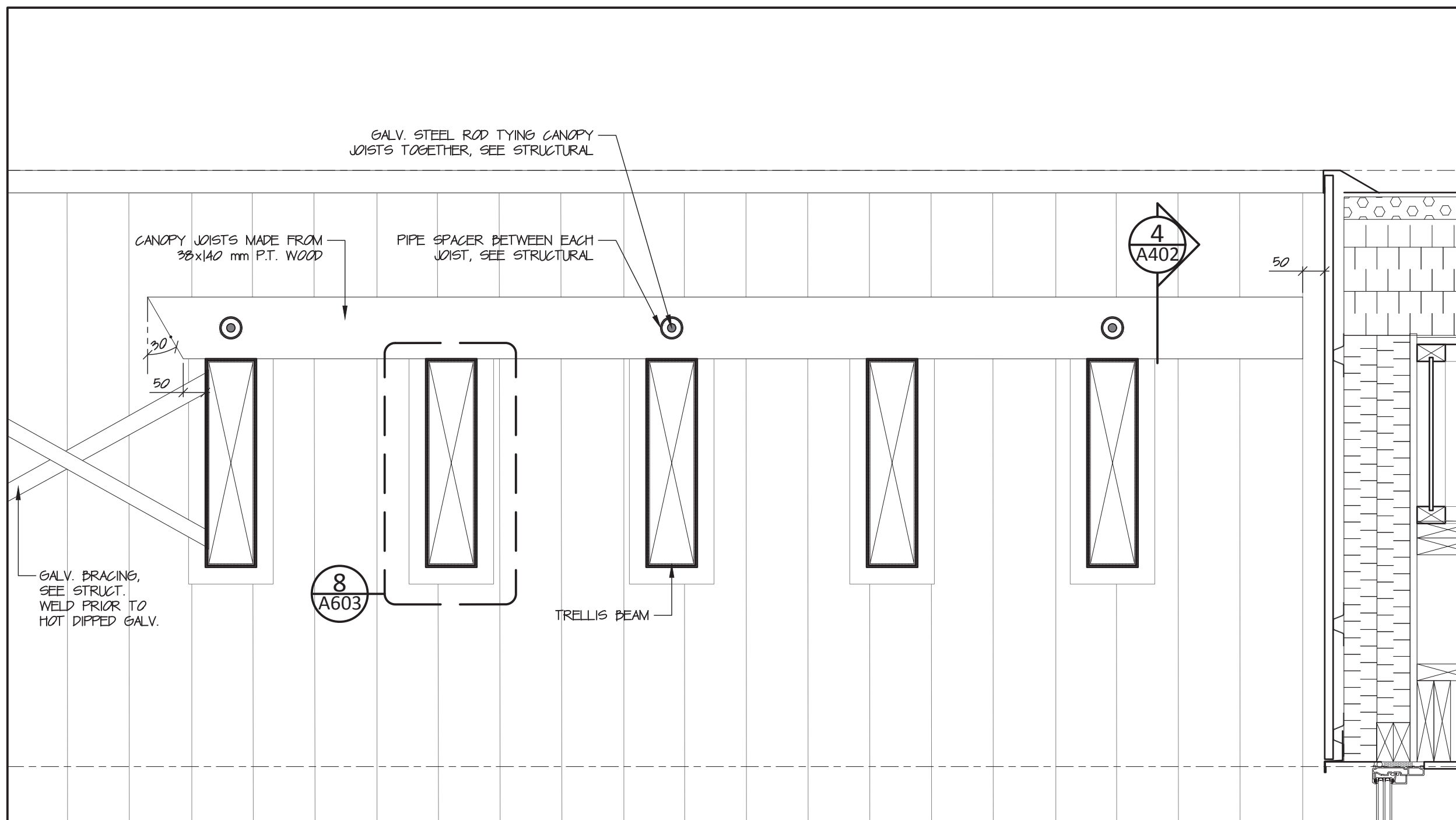
SAMPLE ELEVATION TAG



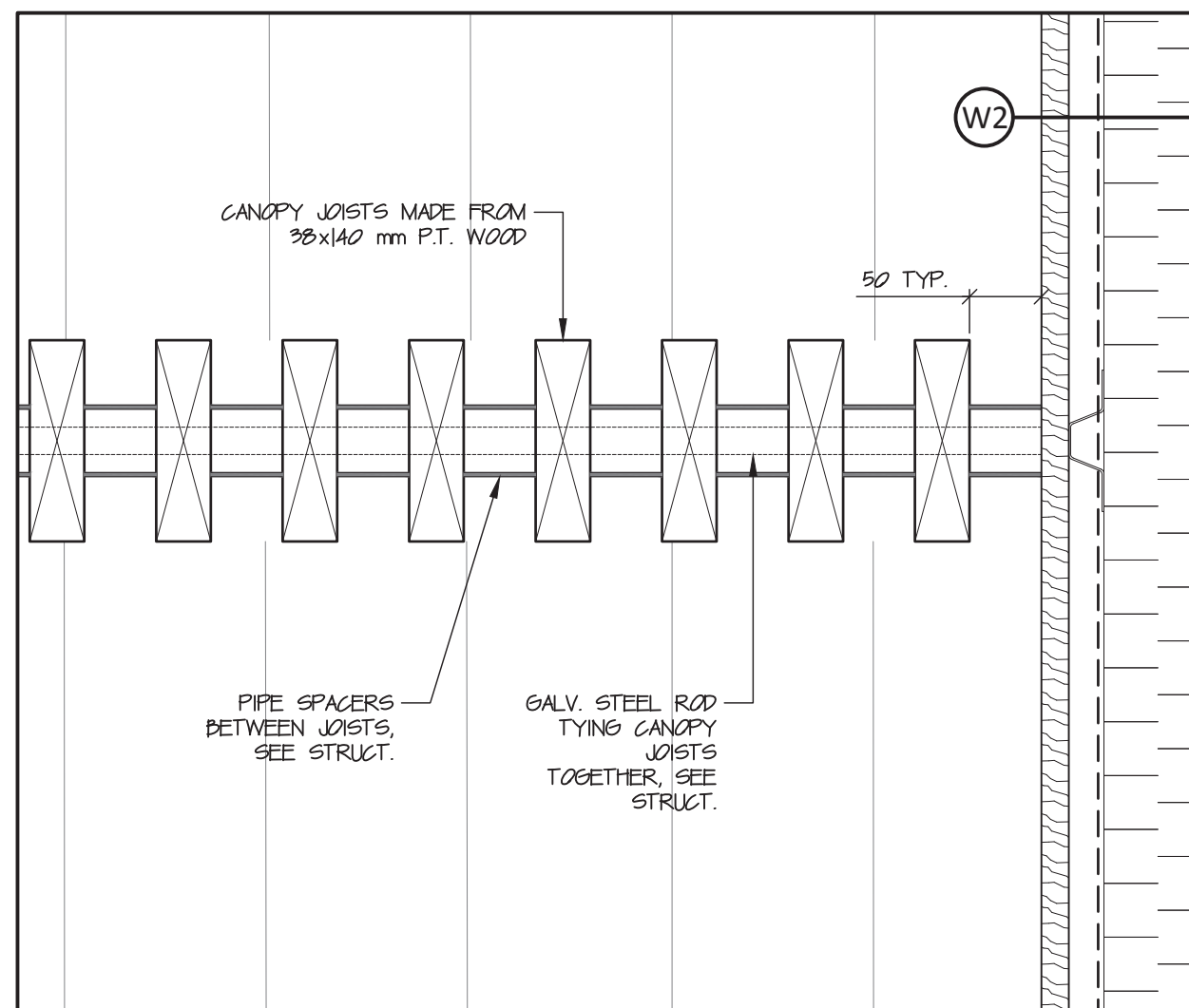
1 East-West Section Through Courtyard
A402 scale 1:50



2 Skirting Under Main Entrance Deck
A402 scale 1:20



3 Entrance Canopy Section Through Trellis Beams
A402 scale 1:10



4 Entrance Canopy Section Through Canopy
A402 scale 1:20

NOT FOR CONSTRUCTION
ALL DIMENSIONS TO BE SITE VERIFIED BY CONTRACTOR

2	9-Feb-18	Issued for Tender
1	2-Feb-18	100% Construction Documents
#	Date	Description

Revisions
Date: February 2, 2018

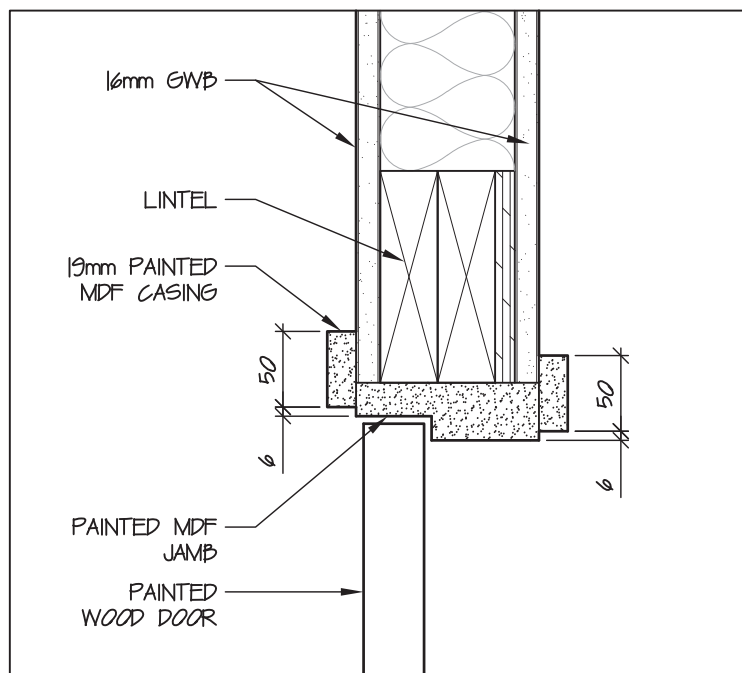
Project:
**NUNAVUT WATER BOARD
NEW OFFICE BUILDING**

Gjoa Haven, NU
project north
true north
Design by: S.T.
Drawing by: C.O.
Scale: As Noted

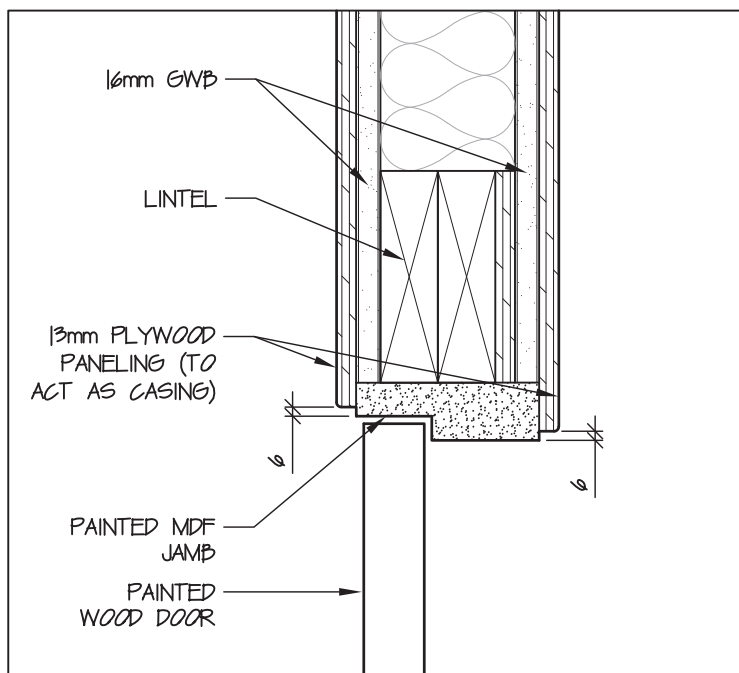
Sheet name:
Building Sections 2

Project #
17-017

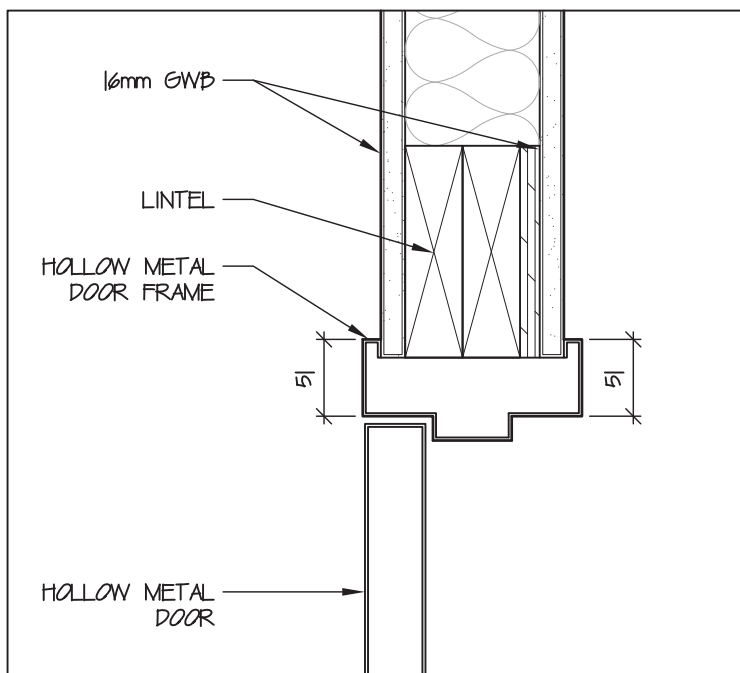
Drawing #
A402



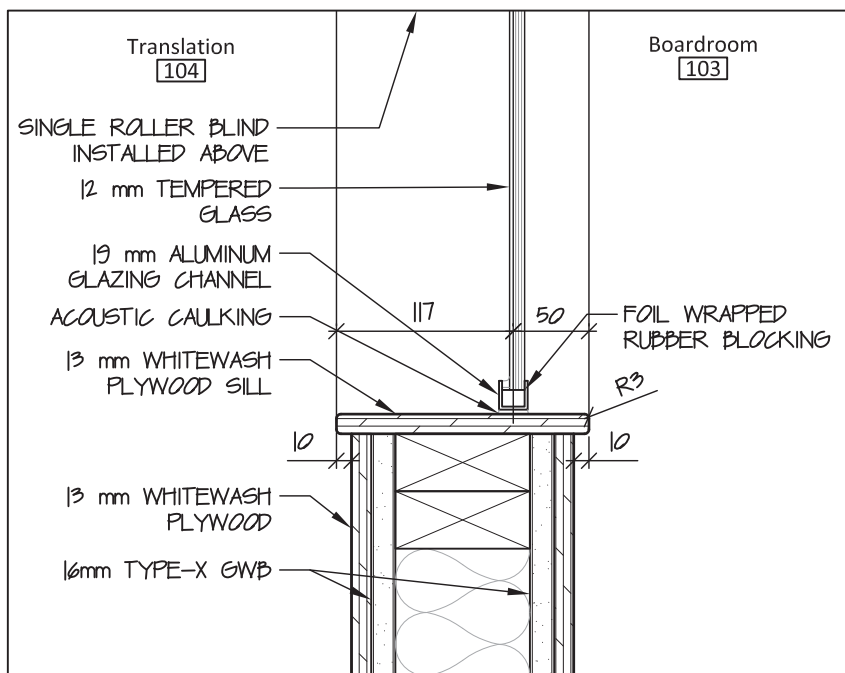
1 Typ. WD Door Frame Section
A501 scale 1:5



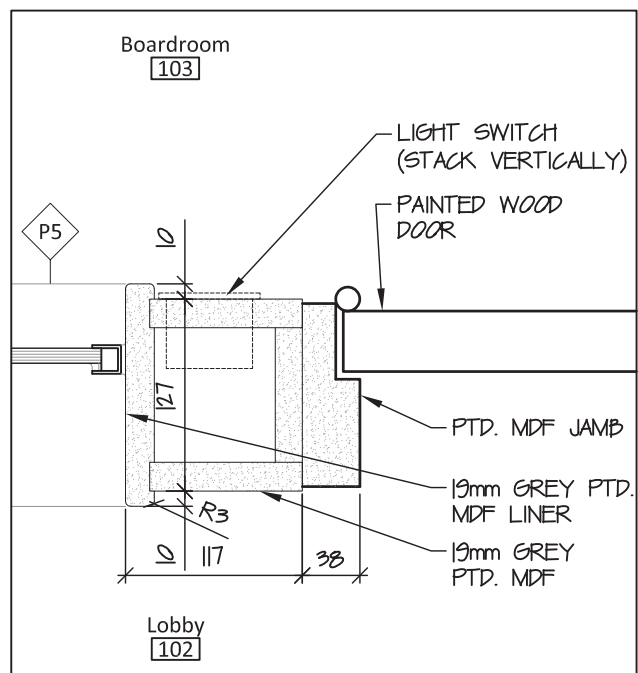
2 WD Door Frame Section
@ Plywood Wall
A501 scale 1:5



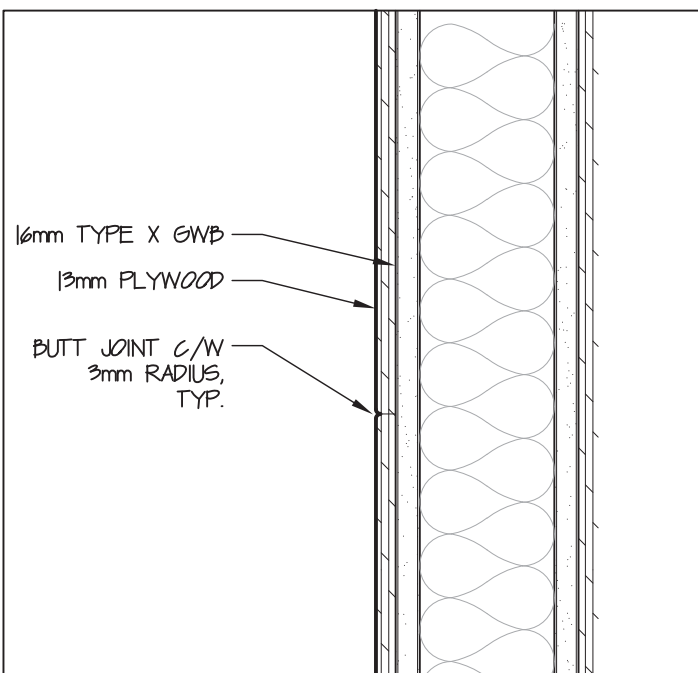
3 Typ. MTL Door Frame Section
A501 scale 1:5



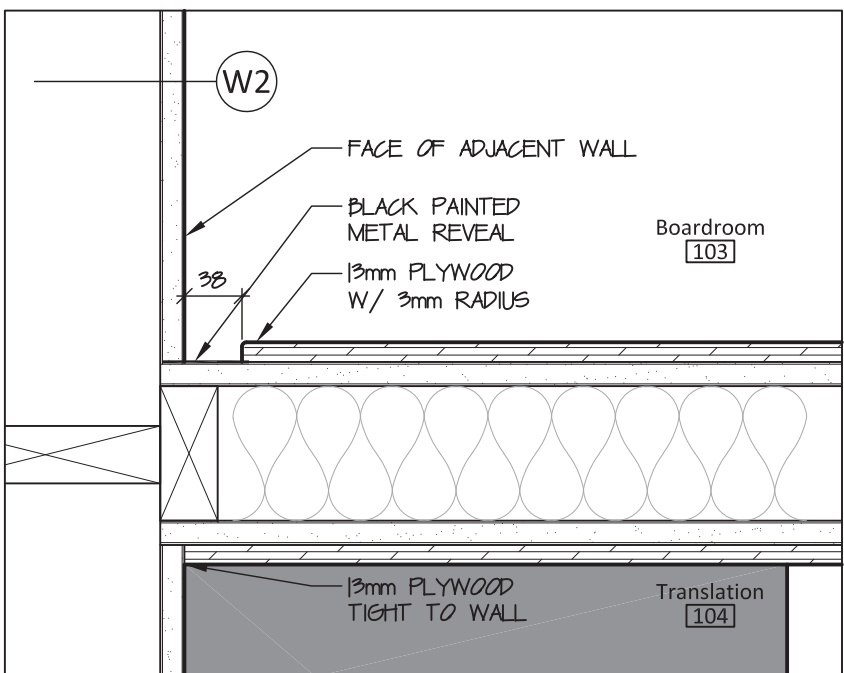
4 Translation Room Sill Section
A501 scale 1:5



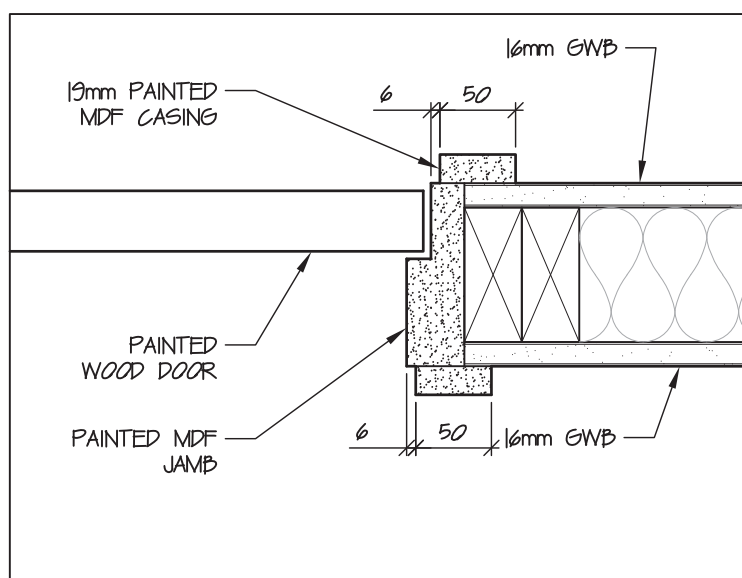
5 South Jamb @ Boardroom
A501 scale 1:20



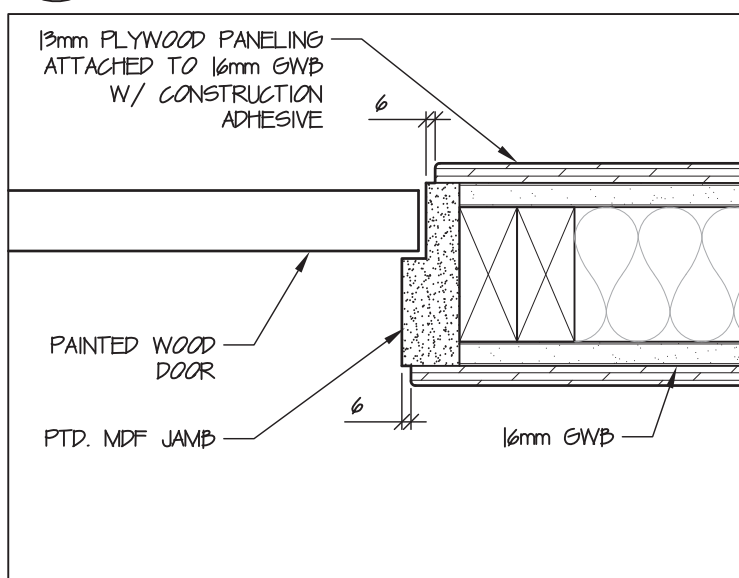
6 Plywood Wall Panel Joint
A501 scale 1:5



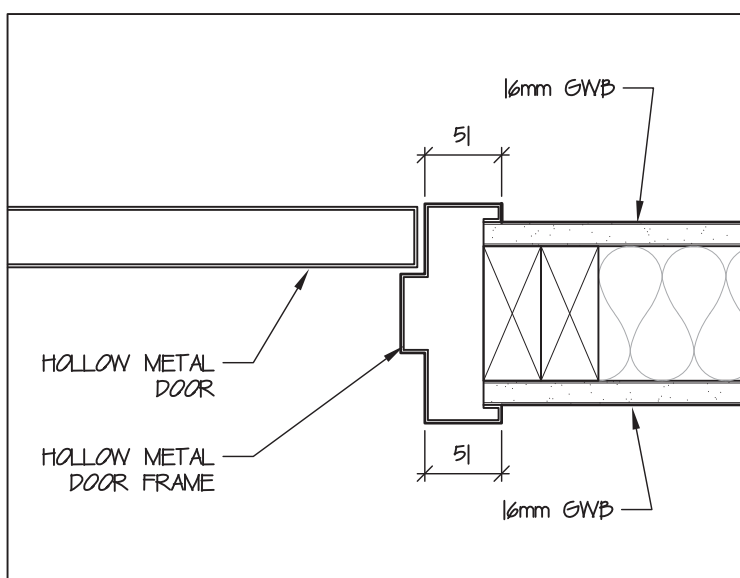
7 Plywood Reveal Plan Detail 1
A501 scale 1:5



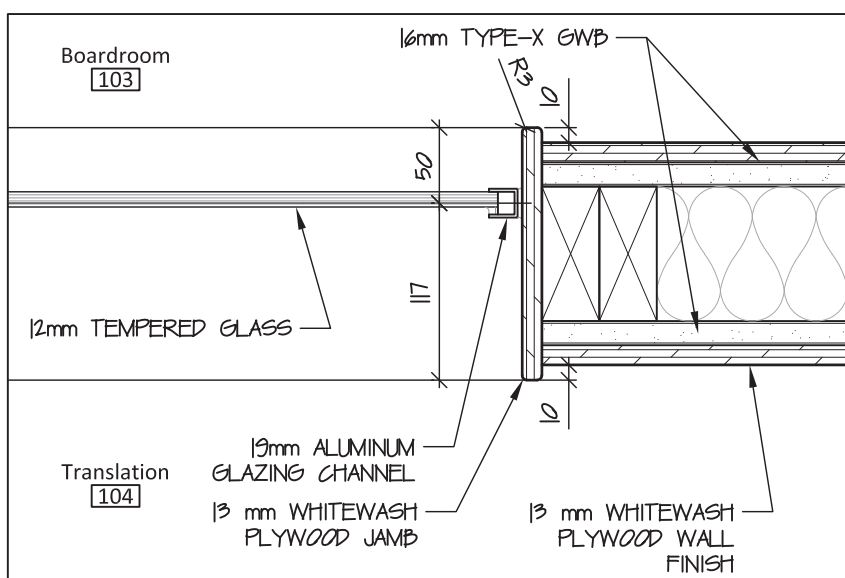
8 Typ. WD Door Frame Plan
A501 scale 1:5



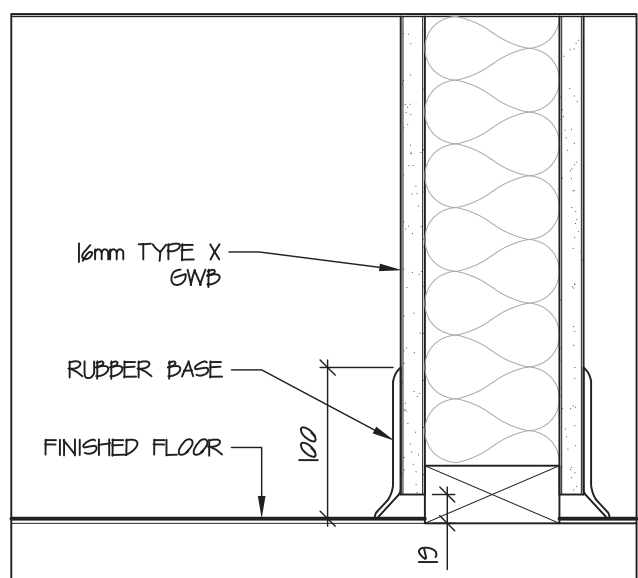
9 WD Door Frame Plan
@ Plywood Wall
A501 scale 1:5



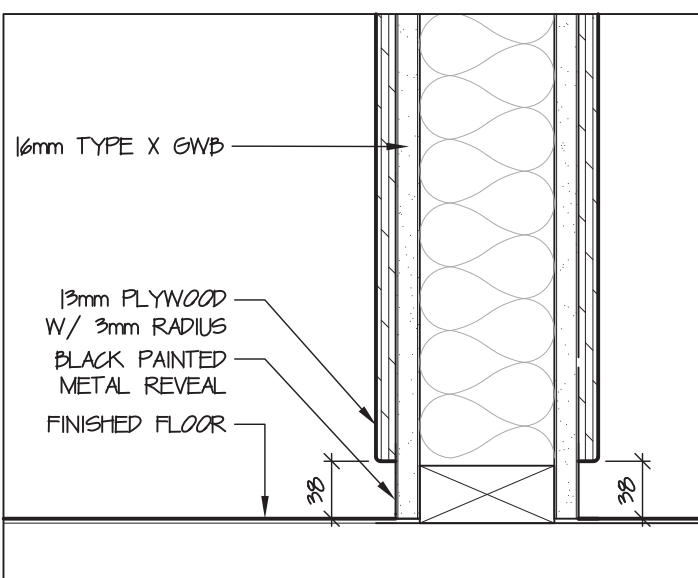
10 Typ. MTL Door Frame Plan
A501 scale 1:5



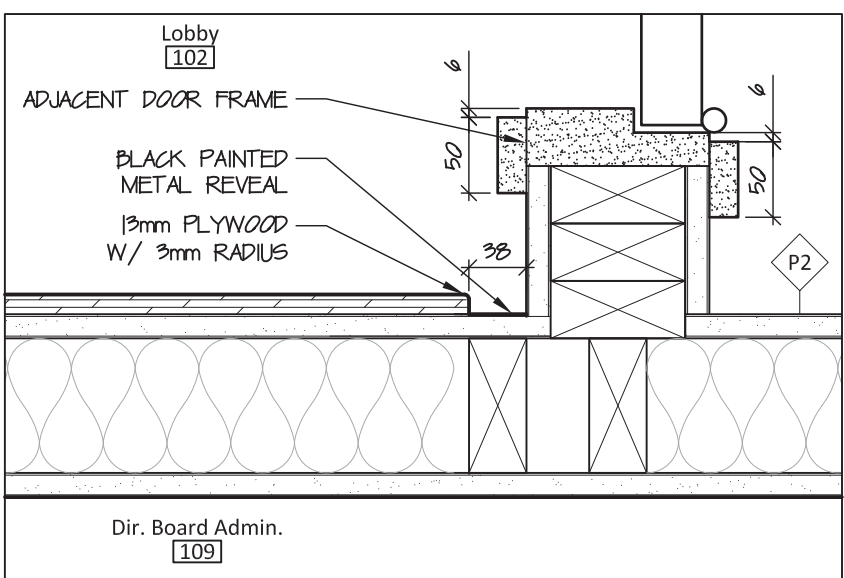
11 Translation Room Jamb Plan
A501 scale 1:5



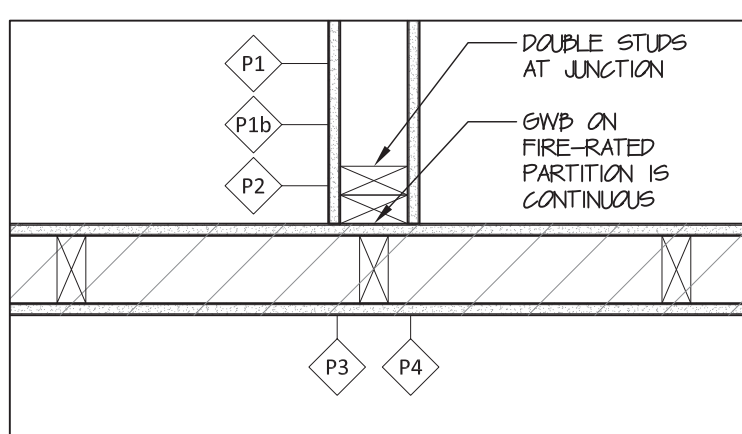
12 Typ. Rubber Base
A501 scale 1:5



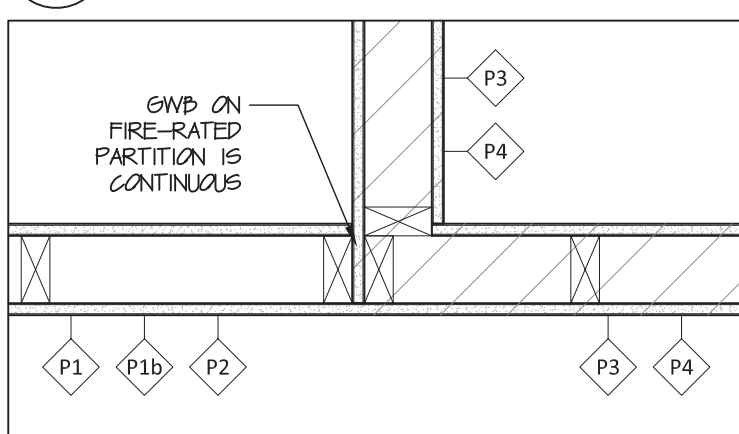
13 Plywood Wall Base Detail
A501 scale 1:5



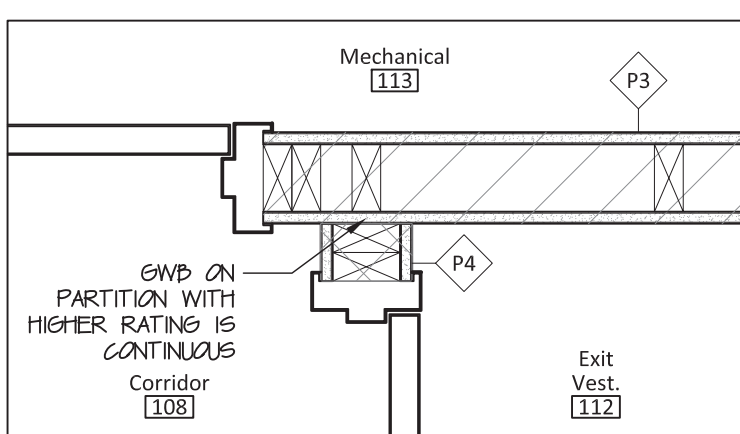
14 Plywood Reveal Plan Detail 2
A501 scale 1:5



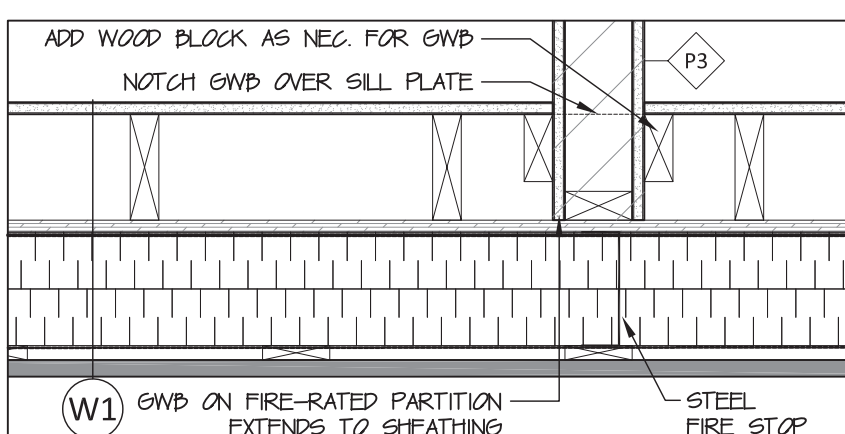
15 Junction of Rated and Non-Rated Partitions
A501 scale 1:10



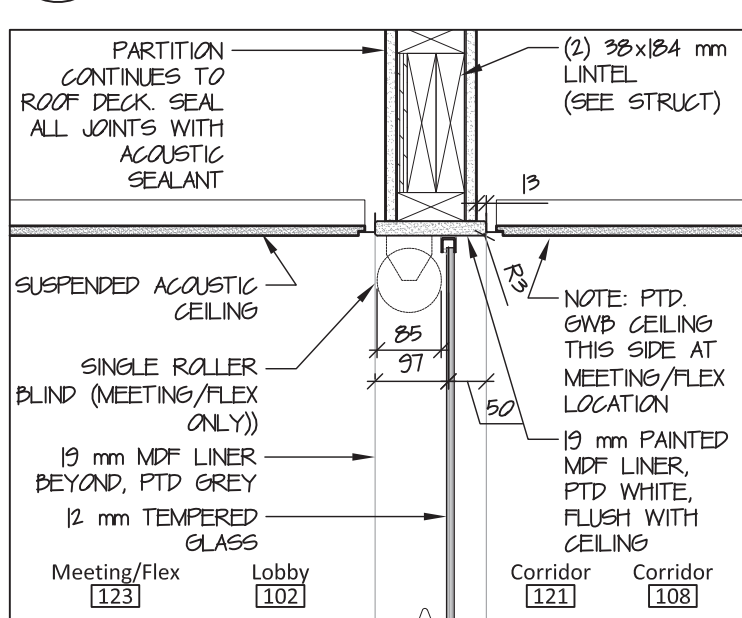
16 Junction of Rated and Non-Rated Partitions, Corner
A501 scale 1:10



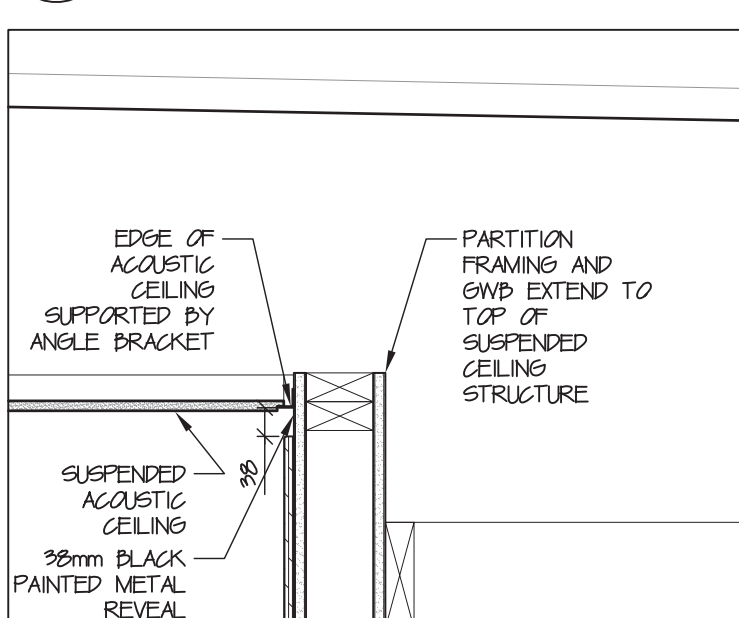
17 Junction of Two Rated Partitions
A501 scale 1:10



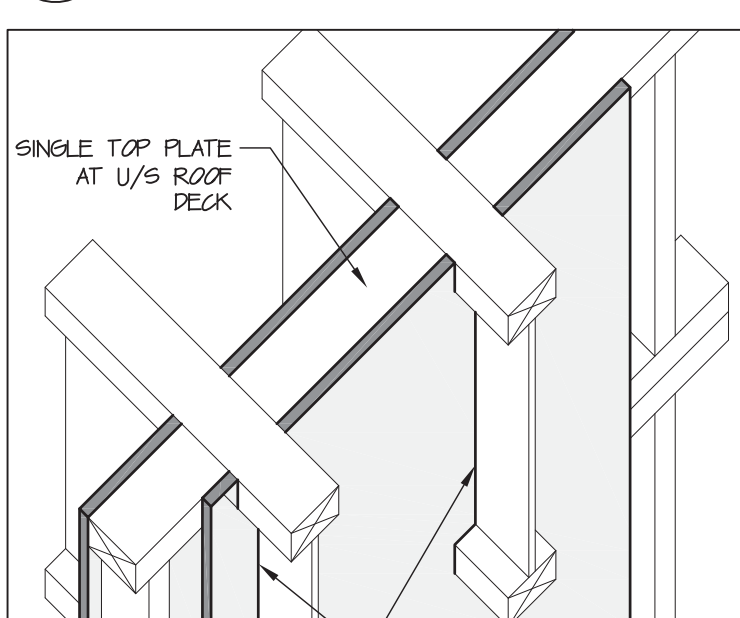
18 Junction of Rated Partition and Exterior Wall
A501 scale 1:10



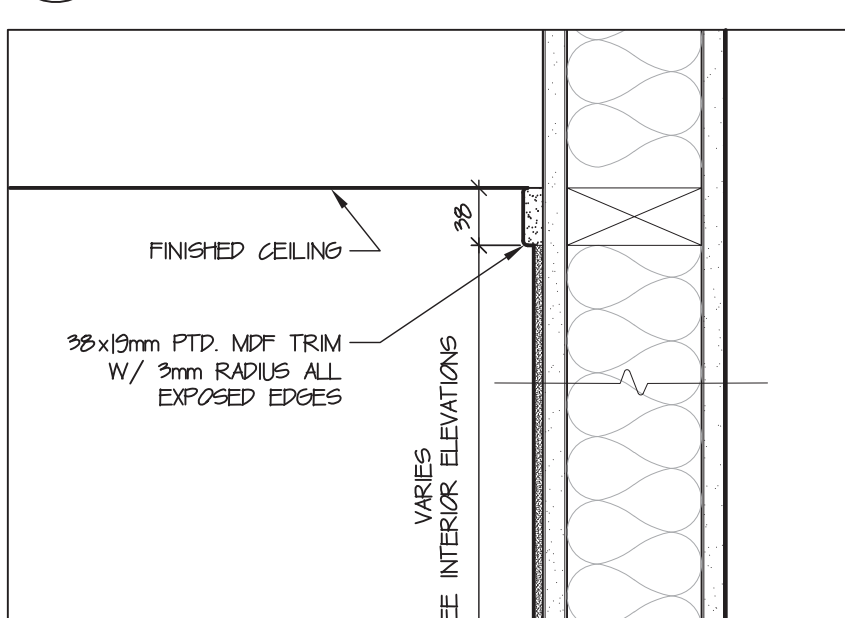
19 Typ P5 Partition Head Section
A501 scale 1:10



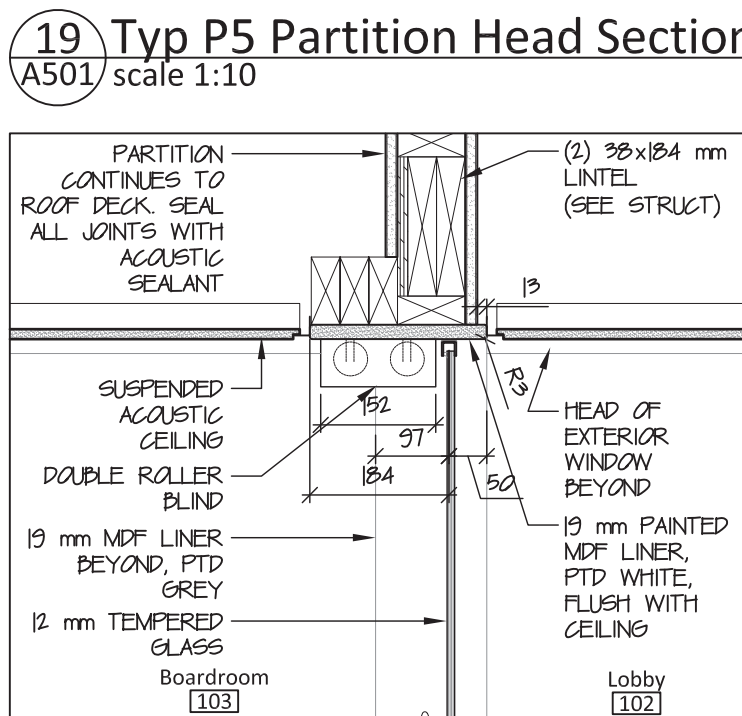
20 Plywood Wall Ceiling Detail
A501 scale 1:10



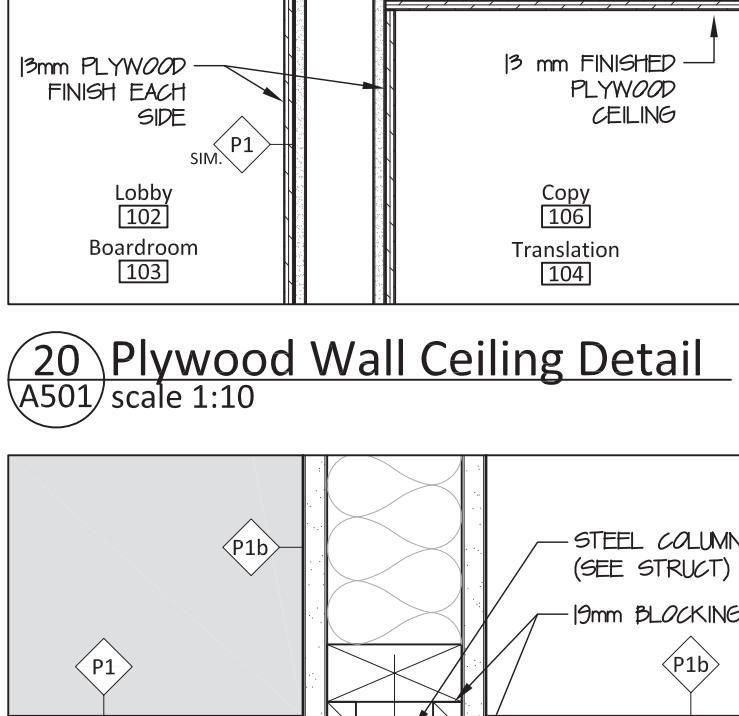
21 Partitions Extending to Roof
A501 scale 1:10



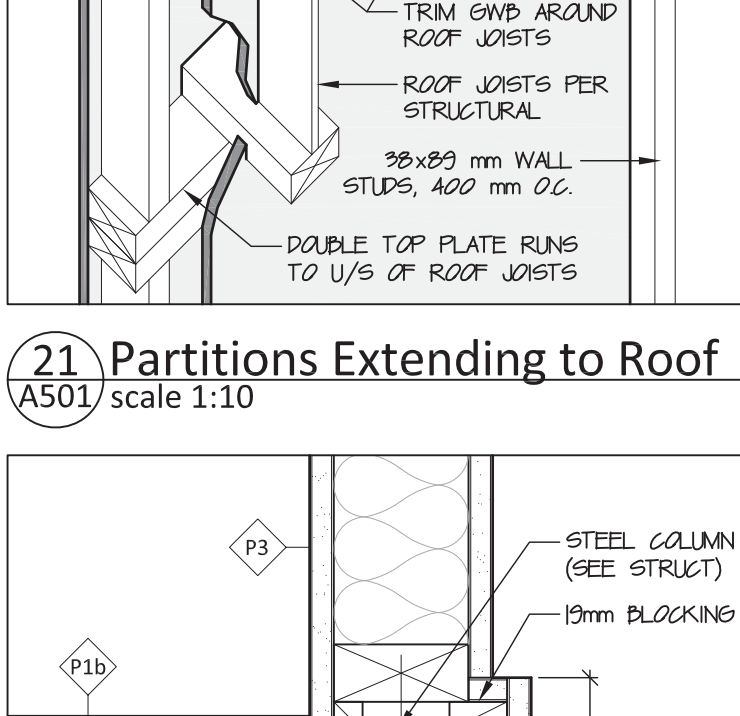
22 Tackboard Border Detail
A501 scale 1:10



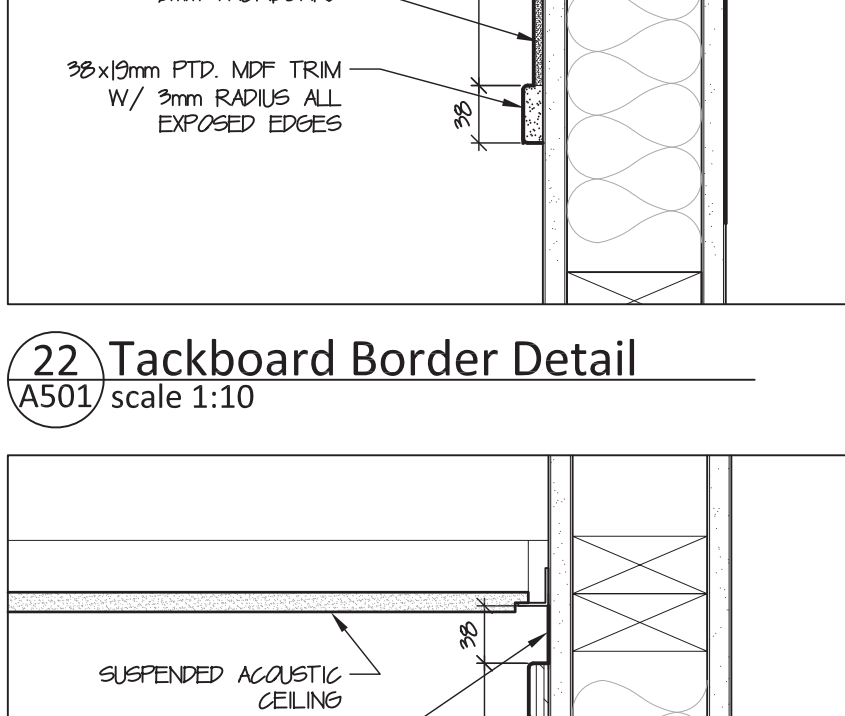
23 Boardroom P5 Partition Head Section
A501 scale 1:10



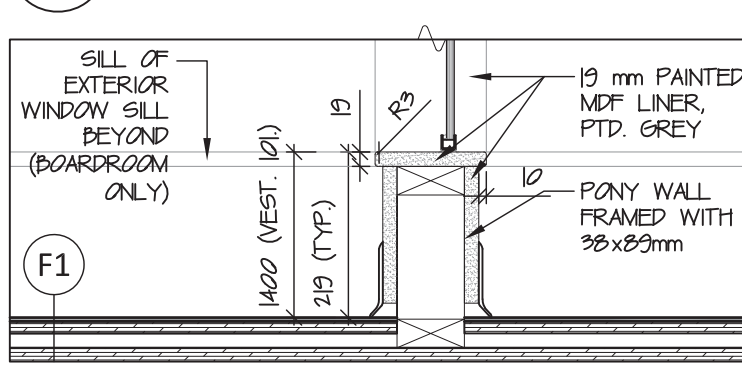
24 Typ. P5 Partition Sill Section
A501 scale 1:10



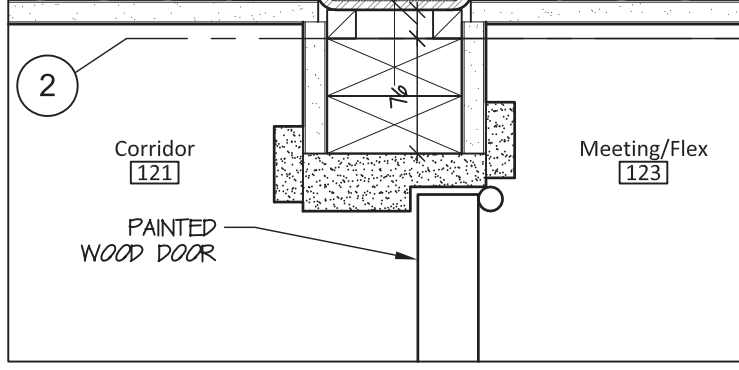
25 Interior Column Detail
A501 scale 1:5



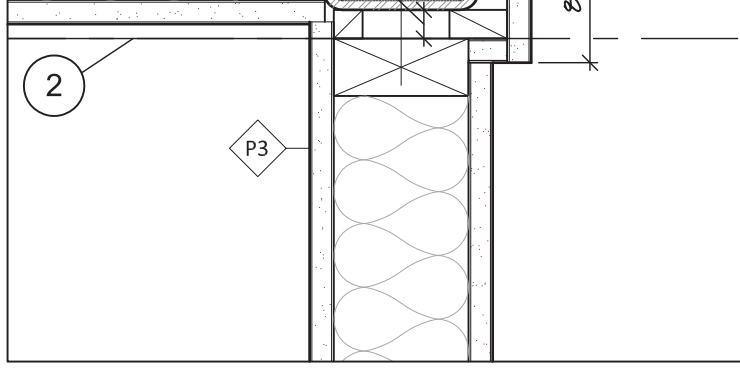
26 Interior Column Detail
A501 scale 1:5



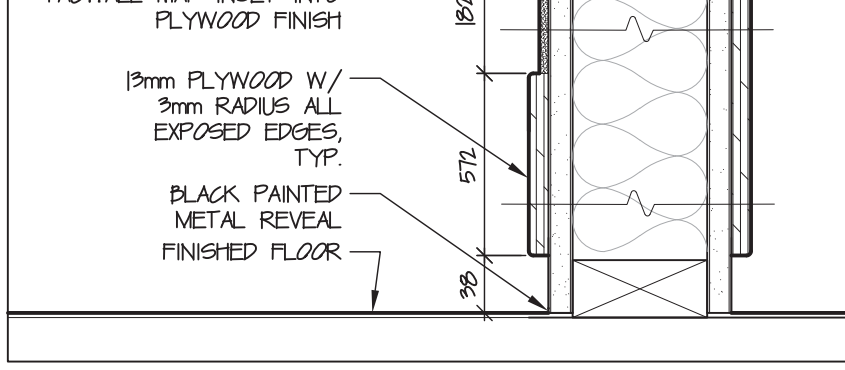
27 Map Detail @ Plywood Wall
A501 scale 1:5



28 Map Detail @ Plywood Wall
A501 scale 1:5



29 Map Detail @ Plywood Wall
A501 scale 1:5



30 Map Detail @ Plywood Wall
A501 scale 1:5



NOT FOR CONSTRUCTION
ALL DIMENSIONS TO BE SITE VERIFIED BY CONTRACTOR

Revisions	Date	Description
5	09-Feb-18	Issued for Tender
4	02-Feb-18	100% Construction Documents
3	19-Dec-17	66% Construction Documents
2	1-Dec-17	Client Review
1	15-Nov-17	Design Development
#	Date	Description

Date: November 15, 2017

Project: **NUNAVUT WATER BOARD
NEW OFFICE BUILDING**

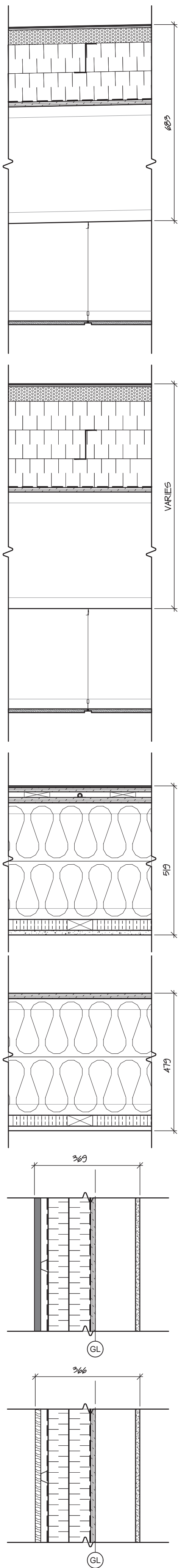
Gjoa Haven, NU

project north true north	Design by: S.T.
	Drawing by: M.K.
	Scale: As Noted

Sheet name: **Interior Building Details**

Project #: 17-017

Drawing #: **A501**



EXTERIOR ENVELOPE ASSEMBLIES SCHEDULE

R1 SLOPED STRUCTURE ROOF ASSEMBLY (R-52)
 4 mm GRANULAR SURFACED MODIFIED BITUMEN MEMBRANE CAP SHEET, TORCH APPLIED (MBM)
 56 mm LAMINATED BASE SHEET BOARD, FASTENED TO STEEL Z-GIRTS BELOW (R-12)
 102 mm EXTRUDED POLYSTYRENE INSULATION (XPS), FASTENED TO STEEL Z-GIRTS (R-20)
 102 mm GALVANIZED STEEL Z-GIRTS, 600 mm O.C., FASTENED THROUGH LOWER LAYER OF INSULATION TO PLYWOOD SHEATHING
 102 mm EXTRUDED POLYSTYRENE INSULATION (XPS), FASTENED TO PLYWOOD SHEATHING (R-20)
 1 mm MODIFIED BITUMEN MEMBRANE AIR AND VAPOUR BARRIER, ADHESIVE APPLIED
 16 mm TONGUE AND GROOVE PLYWOOD SHEATHING
 WOOD I-JOISTS PER STRUCTURAL
 CEILING FINISH PER FINISH SCHEDULE

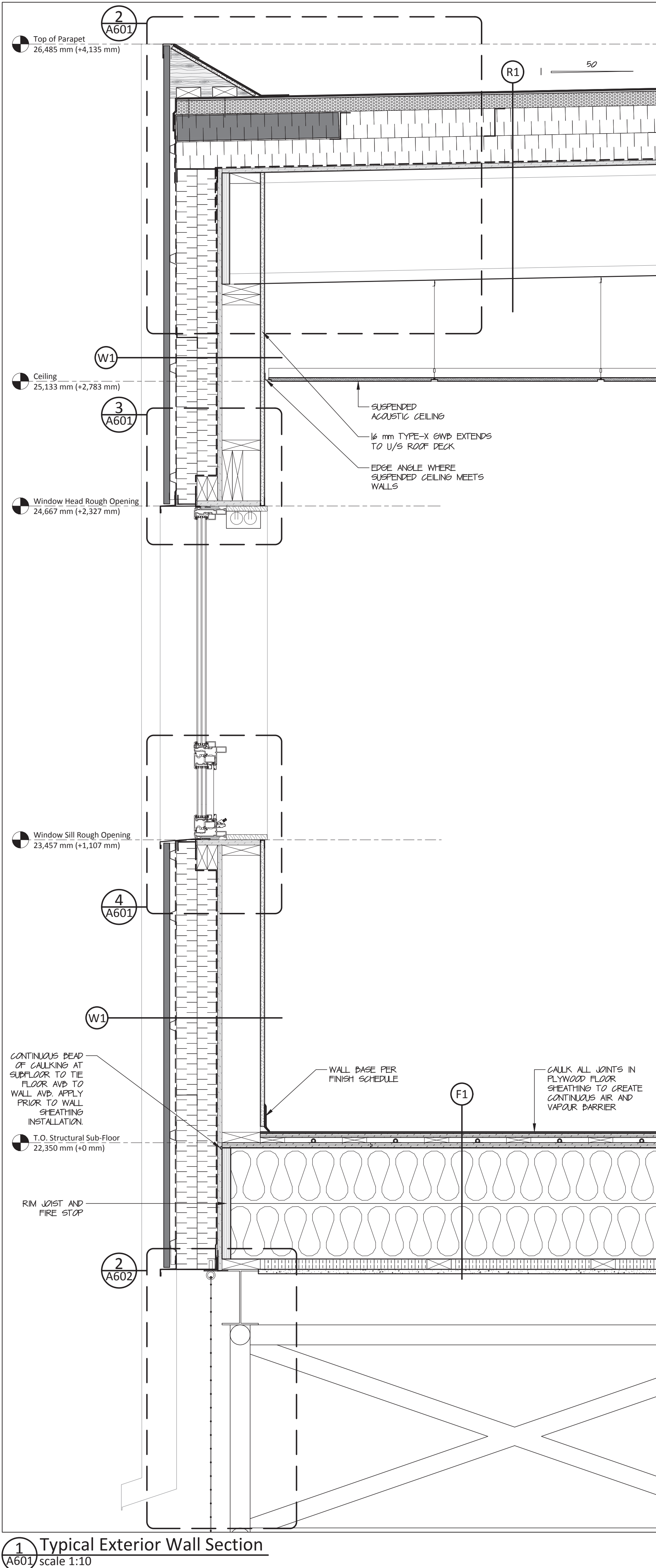
R2 SLOPED INSULATION ROOF ASSEMBLY (R-VALUE VARIES, R-52 MIN.)
 4 mm GRANULAR SURFACED MODIFIED BITUMEN MEMBRANE CAP SHEET, TORCH APPLIED (MBM)
 56 mm LAMINATED BASE SHEET BOARD, FASTENED THROUGH SLOPED INSULATION TO STEEL Z-GIRTS BELOW (R-12)
 SLOPED EXTRUDED POLYSTYRENE INSULATION (XPS), FASTENED TO STEEL Z-GIRTS (THICKNESS AND R-VALUE VARIES)
 102 mm EXTRUDED POLYSTYRENE INSULATION (XPS), FASTENED TO STEEL Z-GIRTS (R-20)
 102 mm GALVANIZED STEEL Z-GIRTS, 600 mm O.C., FASTENED THROUGH LOWER LAYER OF INSULATION TO PLYWOOD SHEATHING
 102 mm EXTRUDED POLYSTYRENE INSULATION (XPS), FASTENED TO PLYWOOD SHEATHING (R-20)
 1 mm MODIFIED BITUMEN MEMBRANE AIR AND VAPOUR BARRIER, ADHESIVE APPLIED
 16 mm TONGUE AND GROOVE PLYWOOD SHEATHING
 WOOD I-JOISTS PER STRUCTURAL
 CEILING FINISH PER FINISH SCHEDULE

F1 TYPICAL FLOOR ASSEMBLY (R-70)
 FLOOR FINISH AS PER FINISH SCHEDULE
 16 mm GOOD-ONE-SIDE PLYWOOD (G1S) SUBFLOOR
 19x89 mm WOOD SLEEPERS, 300 mm O.C., COORDINATED WITH IN-FLOOR HEATING TUBING (SEE MECH.)
 13 mm PLASTIC TUBING FOR IN-FLOOR HEATING (SEE MECH.)
 19 mm TONGUE AND GROOVE PLYWOOD FLOOR SHEATHING, JOINTS CAULKED AND SEALED TO BE CONTINUOUS WITH WALL AIR AND VAPOUR BARRIER (AIR AND VAPOUR BARRIER)
 2x203 mm MINERAL WOOL BATT INSULATION (R-64)
 2x203 mm MINERAL WOOL BATT INSULATION (R-64)
 WOOD I-JOISTS PER STRUCTURAL
 38x89 mm WOOD SLEEPERS, 600 mm O.C.
 38 mm SEMI-RIGID MINERAL WOOL INSULATION (R-6)
 16 mm CEMENT BOARD PANEL
 SPACE FRAME FOUNDATION PER STRUCTURAL

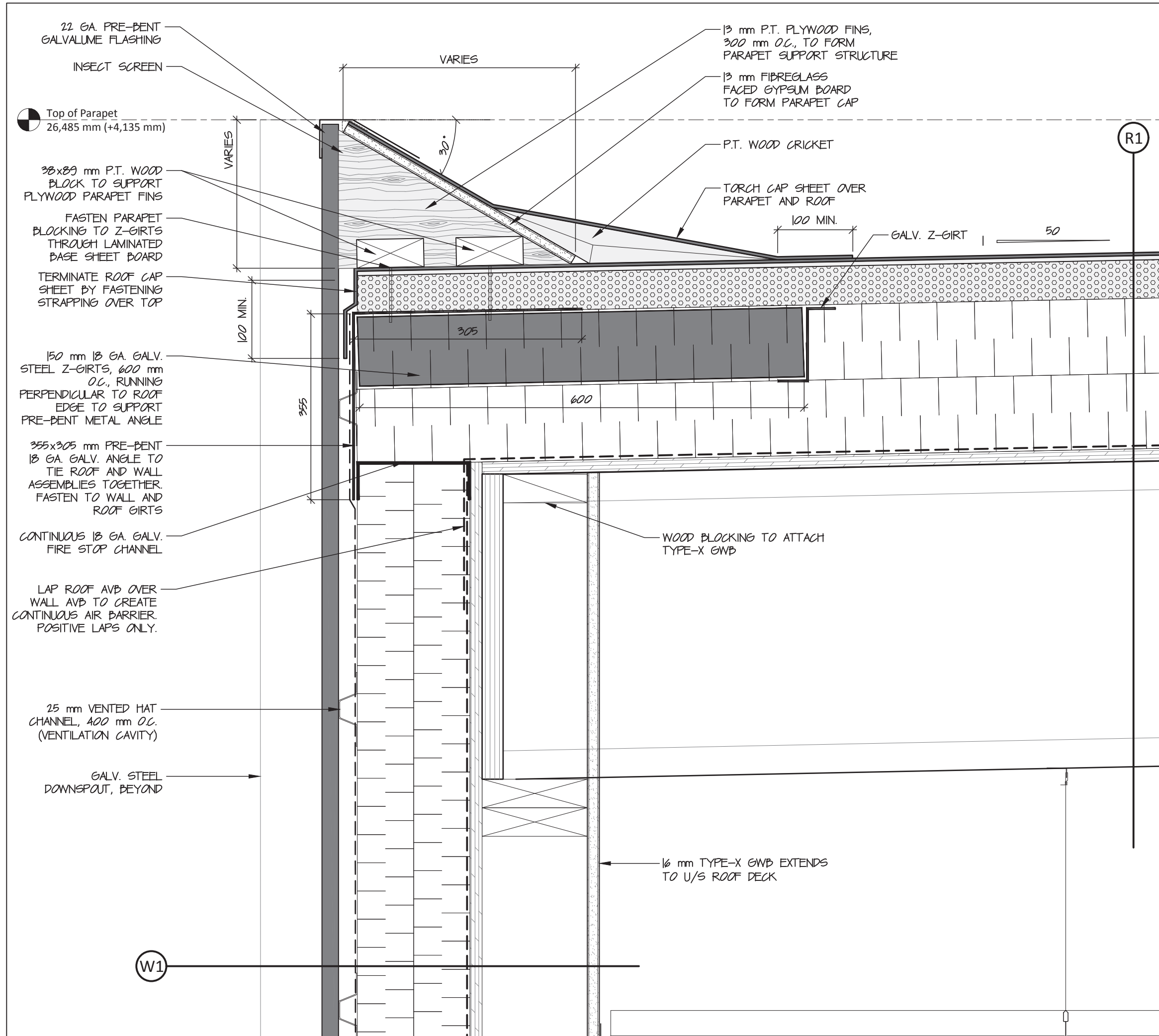
F2 MECHANICAL ROOM FLOOR ASSEMBLY (R-70)
 FLOOR FINISH AS PER FINISH SCHEDULE
 19 mm TONGUE AND GROOVE PLYWOOD FLOOR SHEATHING, JOINTS CAULKED AND SEALED TO BE CONTINUOUS WITH WALL AIR AND VAPOUR BARRIER (AIR AND VAPOUR BARRIER)
 2x203 mm MINERAL WOOL BATT INSULATION (R-64)
 WOOD I-JOISTS PER STRUCTURAL
 38x89 mm WOOD SLEEPERS, 600 mm O.C.
 38 mm SEMI-RIGID MINERAL WOOL INSULATION (R-6)
 16 mm CEMENT BOARD PANEL
 SPACE FRAME FOUNDATION PER STRUCTURAL

W1 STEEL EXTERIOR WALL ASSEMBLY (R-30)
 22 mm CORRUGATED GALVALUME SIDING, 22 GAUGE, INSTALLED VERTICALLY
 25 mm VENTED GALVANIZED STEEL HAT CHANNEL, INSTALLED HORIZONTALLY 400 mm O.C., FASTENED TO STEEL Z-GIRTS
 1 mm WEATHER BARRIER
 75 mm GALVANIZED STEEL Z-GIRT INSTALLED VERTICALLY, 600 mm O.C., AND HORIZONTALLY, 2440 mm O.C., FASTENED TO WALL STUDS THROUGH INNER LAYER OF INSULATION
 75 mm EXTRUDED POLYSTYRENE INSULATION (XPS) (R-15)
 75 mm EXTRUDED POLYSTYRENE INSULATION (XPS) (R-15)
 1 mm SELF-ADHESIVE MODIFIED BITUMEN MEMBRANE AIR/VAPOUR BARRIER (AVB)
 16 mm PLYWOOD SHEATHING
 38x140 mm WOOD STUDS @ 400 OC
 16 mm TYPE-X GYPSUM WALL BOARD (GWB)
 WALL FINISH PER FINISH SCHEDULE

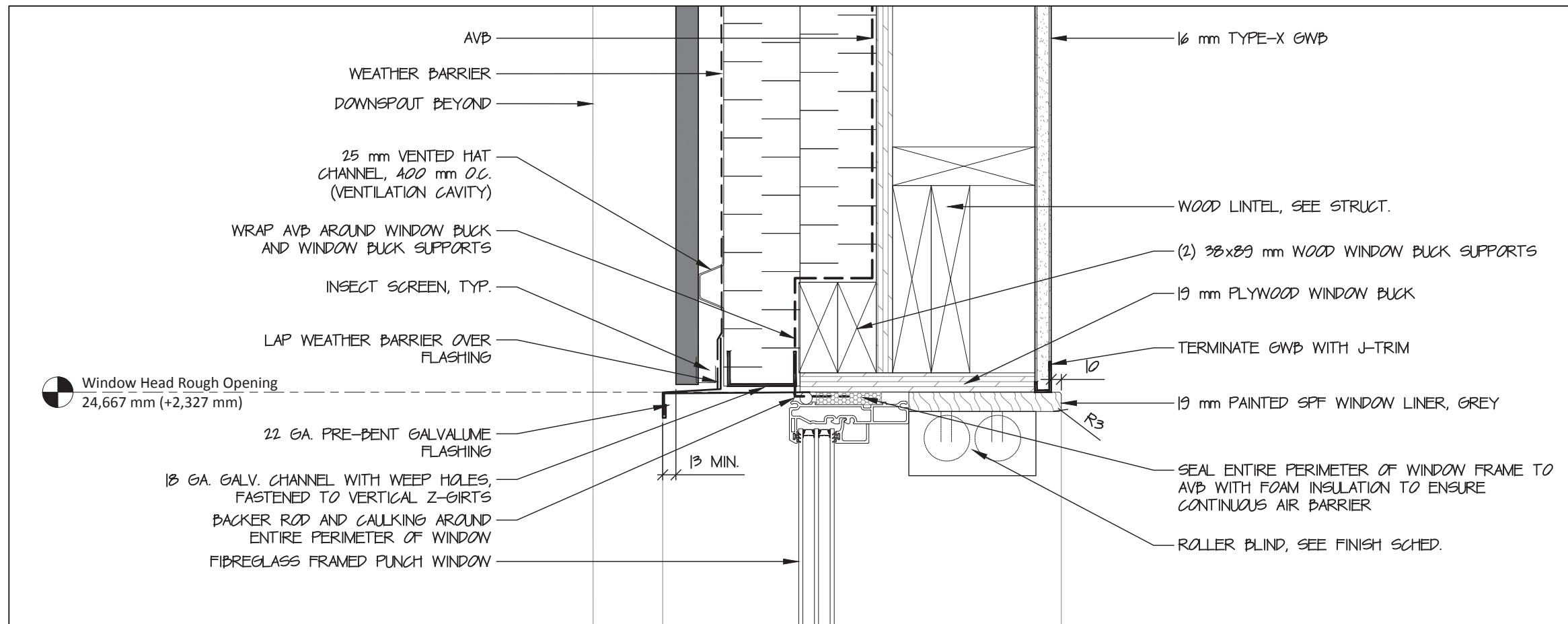
W2 WOOD EXTERIOR WALL ASSEMBLY (R-30)
 19 mm RED PINE SIDING, INSTALLED VERTICALLY, SOLID STAIN FINISH ON ALL SIDES
 25 mm VENTED GALVANIZED STEEL HAT CHANNEL, INSTALLED HORIZONTALLY 400 mm O.C., FASTENED TO STEEL Z-GIRTS
 1 mm WEATHER BARRIER
 75 mm GALVANIZED STEEL Z-GIRT INSTALLED VERTICALLY, 600 mm O.C., AND HORIZONTALLY, 2440 mm O.C., FASTENED TO WALL STUDS THROUGH INNER LAYER OF INSULATION
 75 mm EXTRUDED POLYSTYRENE INSULATION (XPS) (R-15)
 75 mm EXTRUDED POLYSTYRENE INSULATION (XPS) (R-15)
 1 mm SELF-ADHESIVE MODIFIED BITUMEN MEMBRANE AIR/VAPOUR BARRIER (AVB)
 16 mm PLYWOOD SHEATHING
 38x140 mm WOOD STUDS @ 400 OC
 16 mm TYPE-X GYPSUM WALL BOARD (GWB)
 WALL FINISH PER FINISH SCHEDULE



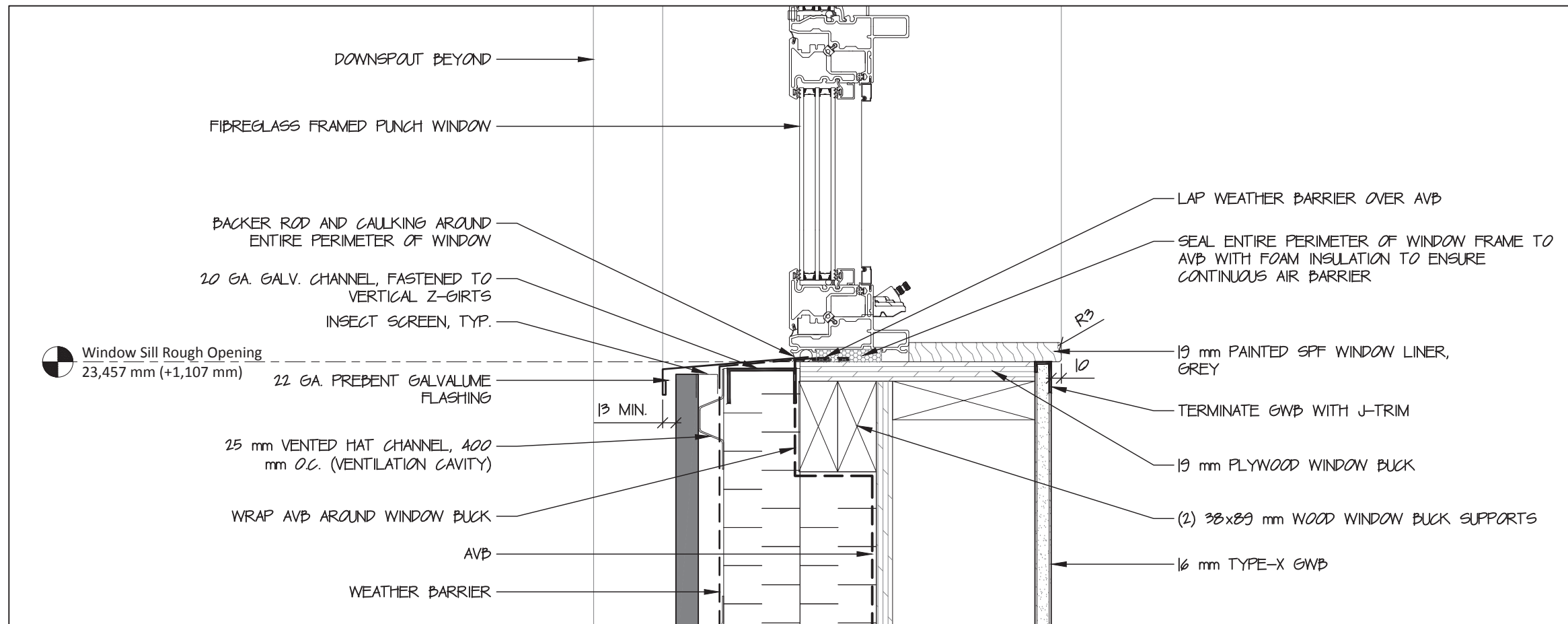
1 Typical Exterior Wall Section
 A601 scale 1:10



2 Typical Parapet Detail
 A601 scale 1:5



3 Typical Window Head Section Detail
 A601 scale 1:5



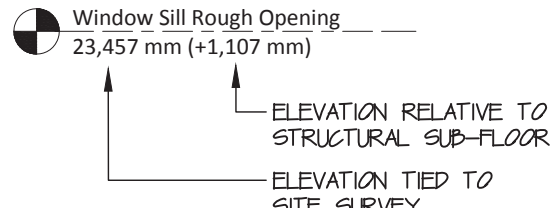
4 Typical Window Sill Section Detail
 A601 scale 1:5



Taylor Architecture Group
 PERMIT No. 004
 Issued Pursuant to the Architects Act of the Northwest Territories
 Architects Act of the Northwest Territories

NOTES
 SEE A602 FOR GIRT, CHANNEL, AND FLASHING TYPES

SAMPLE ELEVATION TAG



NOT FOR CONSTRUCTION
 ALL DIMENSIONS TO BE SITE VERIFIED BY CONTRACTOR

Revisions	Date	Description
4	9-Feb-18	Issued for Tender
3	2-Feb-18	100% Construction Documents
2	19-Dec-17	66% Construction Documents
1	15-Nov-17	Design Development
#	Date	Description

Revisions
 Date: November 15, 2017

Project:
**NUNAVUT WATER BOARD
 NEW OFFICE BUILDING**

Gjoa Haven, NU

project north true north	Design by: S.T.
	Drawing by: C.O.
	Scale: As Noted

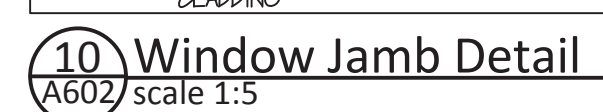
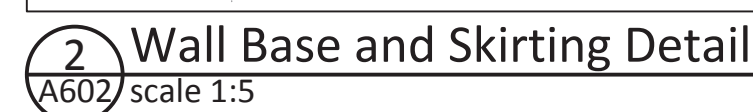
Sheet name:

**Exterior Wall Section
 and Details**

Project #
17-017

Drawing #

A601

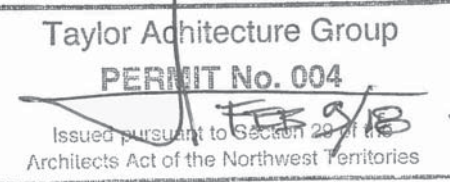


Window Sill Rough Opening 23,457 mm (+1,107 mm)

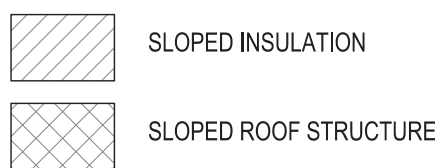
ELEVATION RELATIVE TO STRUCTURAL SUB-FLOOR

ELEVATION TIED TO SITE SURVEY

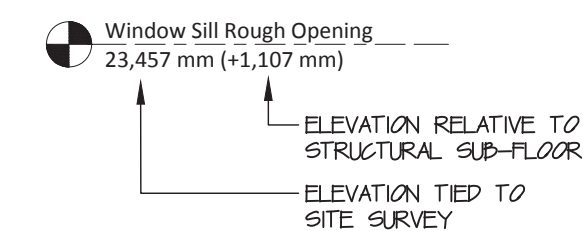
A602



LEGEND



SAMPLE ELEVATION TAG



NOT FOR CONSTRUCTION
ALL DIMENSIONS TO BE SITE VERIFIED BY CONTRACTOR


3	9-Feb-18	Issued for Tender
2	2-Feb-18	100% Construction Documents
1	19-Dec-17	66% Construction Documents
	Date	Description
Revisions		

December 19, 2017

Project:

NUNAVUT WATER BOARD
NEW OFFICE BUILDING

Gjoa Haven, NU

project north true north 	Design by: S.T.
	Drawing by: C.O.
	Scale: As Noted

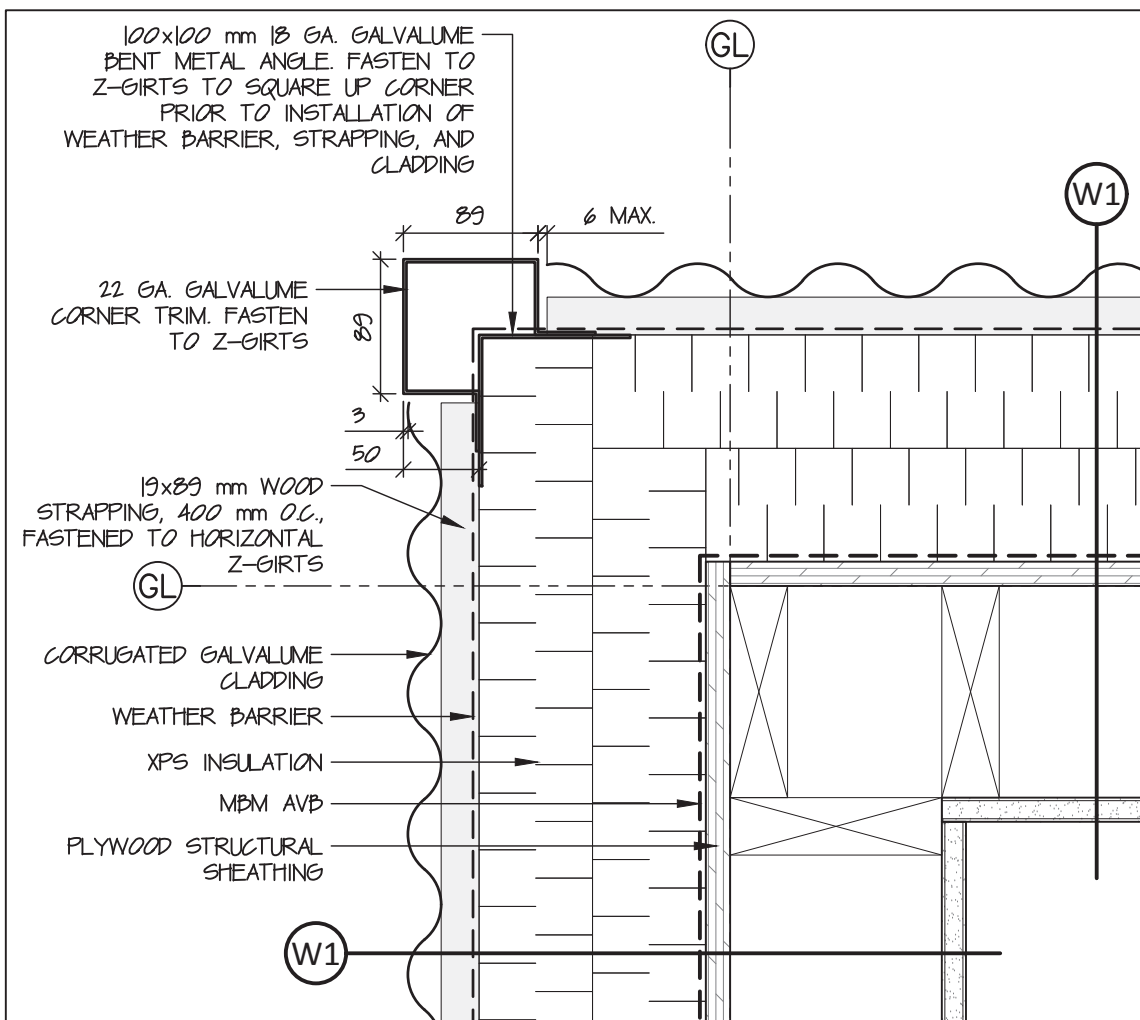
Envelope Details

Project #

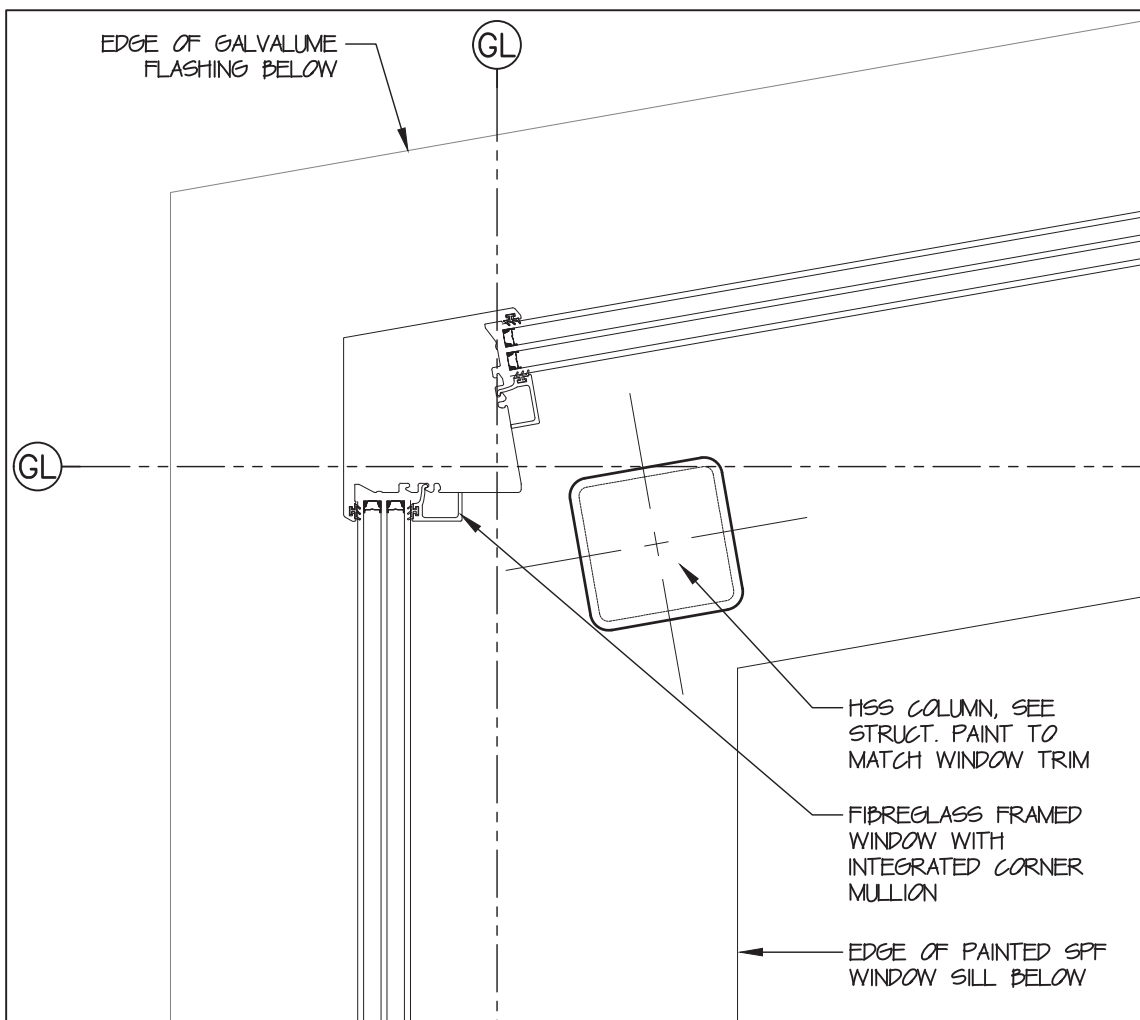
17-017

Drawing

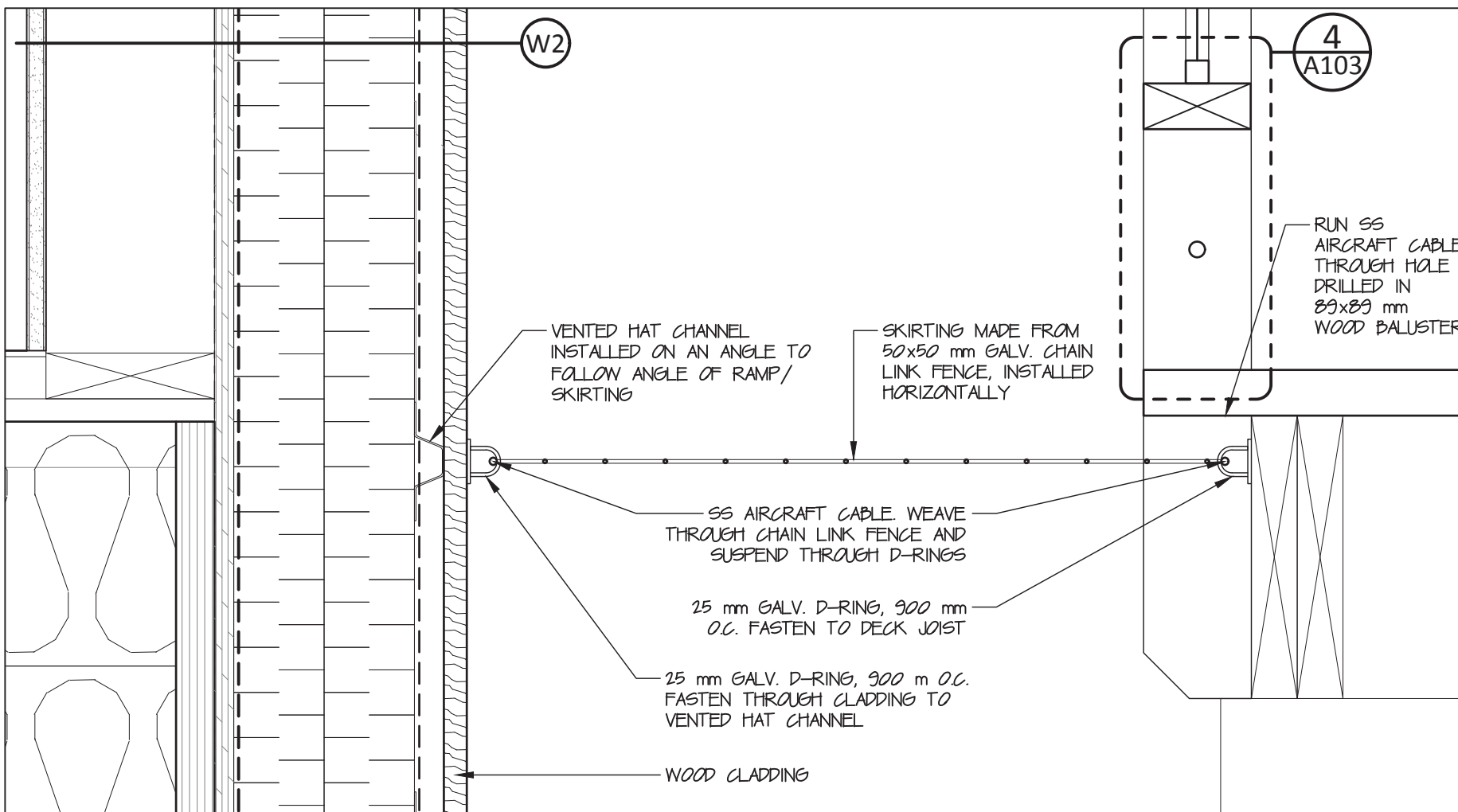
A603



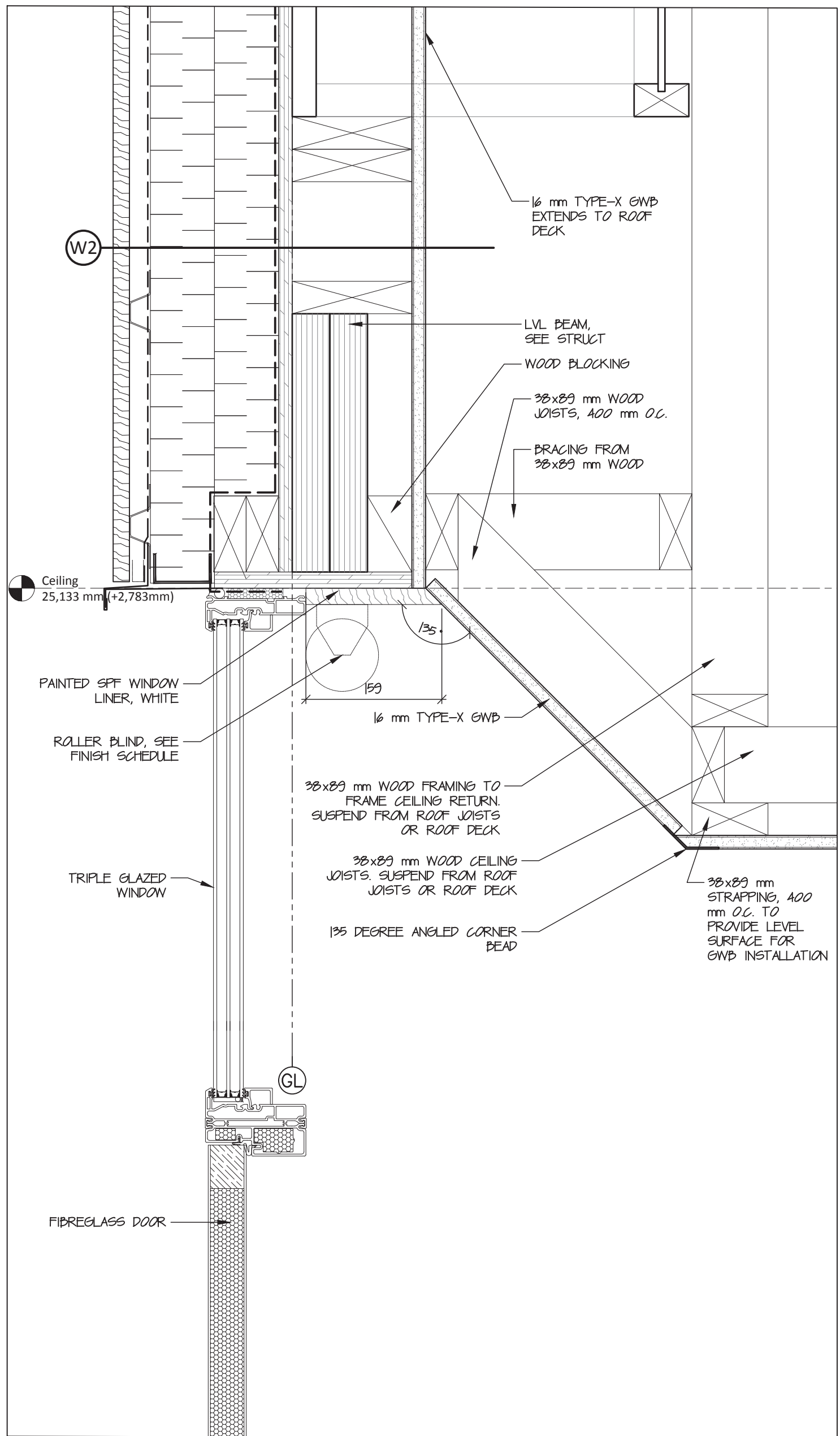
1 Exterior Wall Outside Corner Plan Detail
A604 scale 1:5



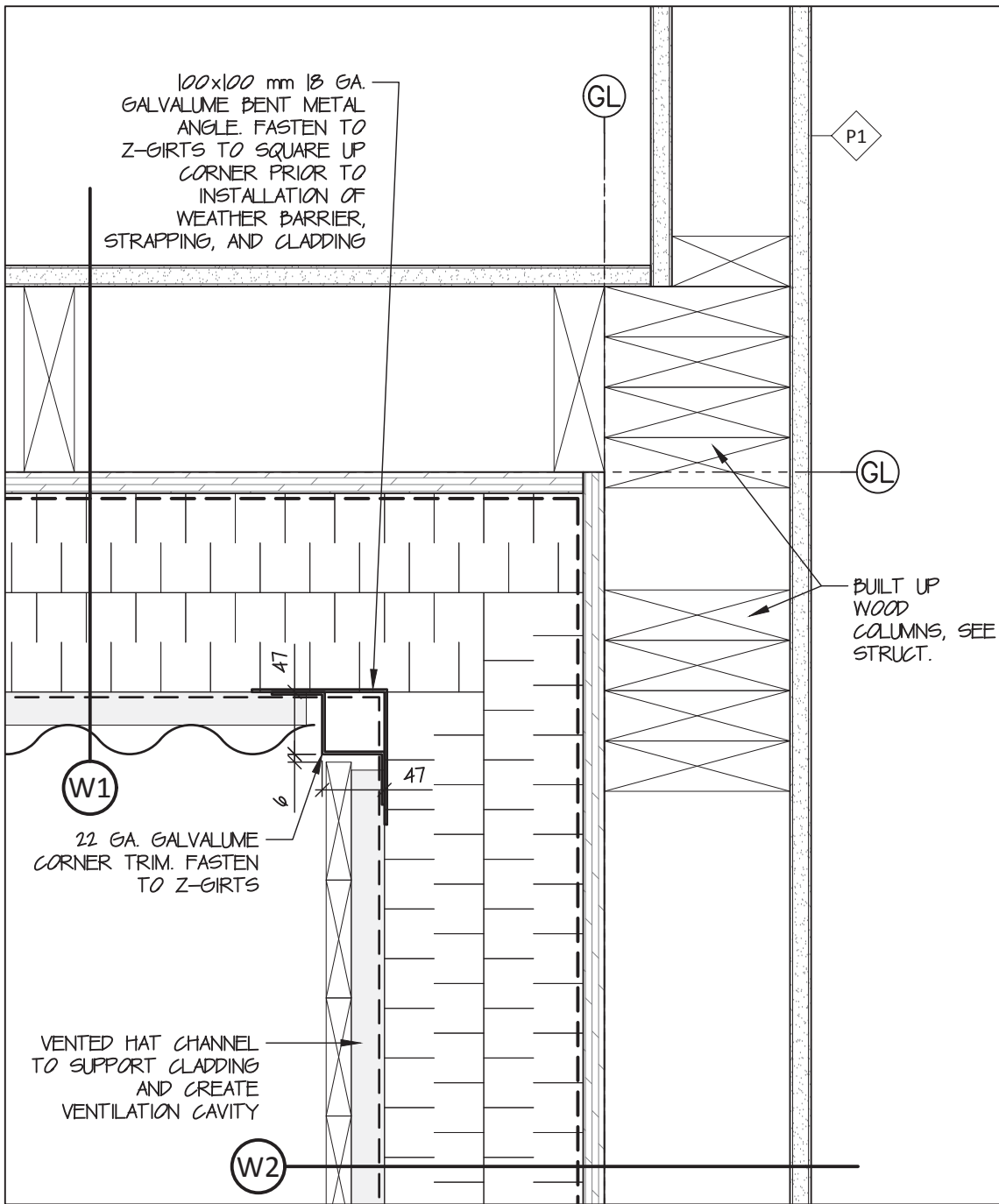
4 Board Room NW Corner - Plan Detail
A604 scale 1:5



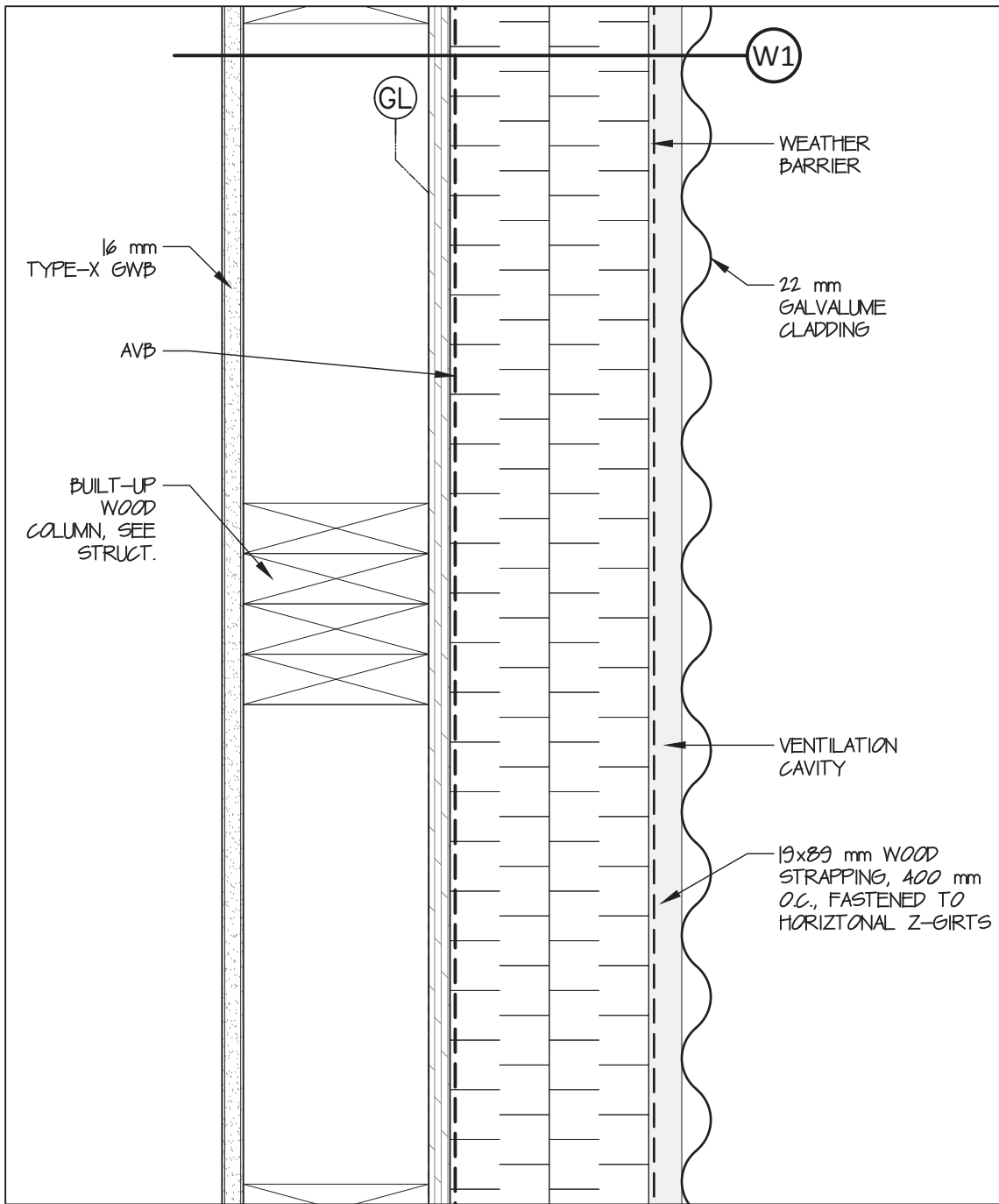
7 Horizontal Skirting at Entrance Ramp
A604 scale 1:5



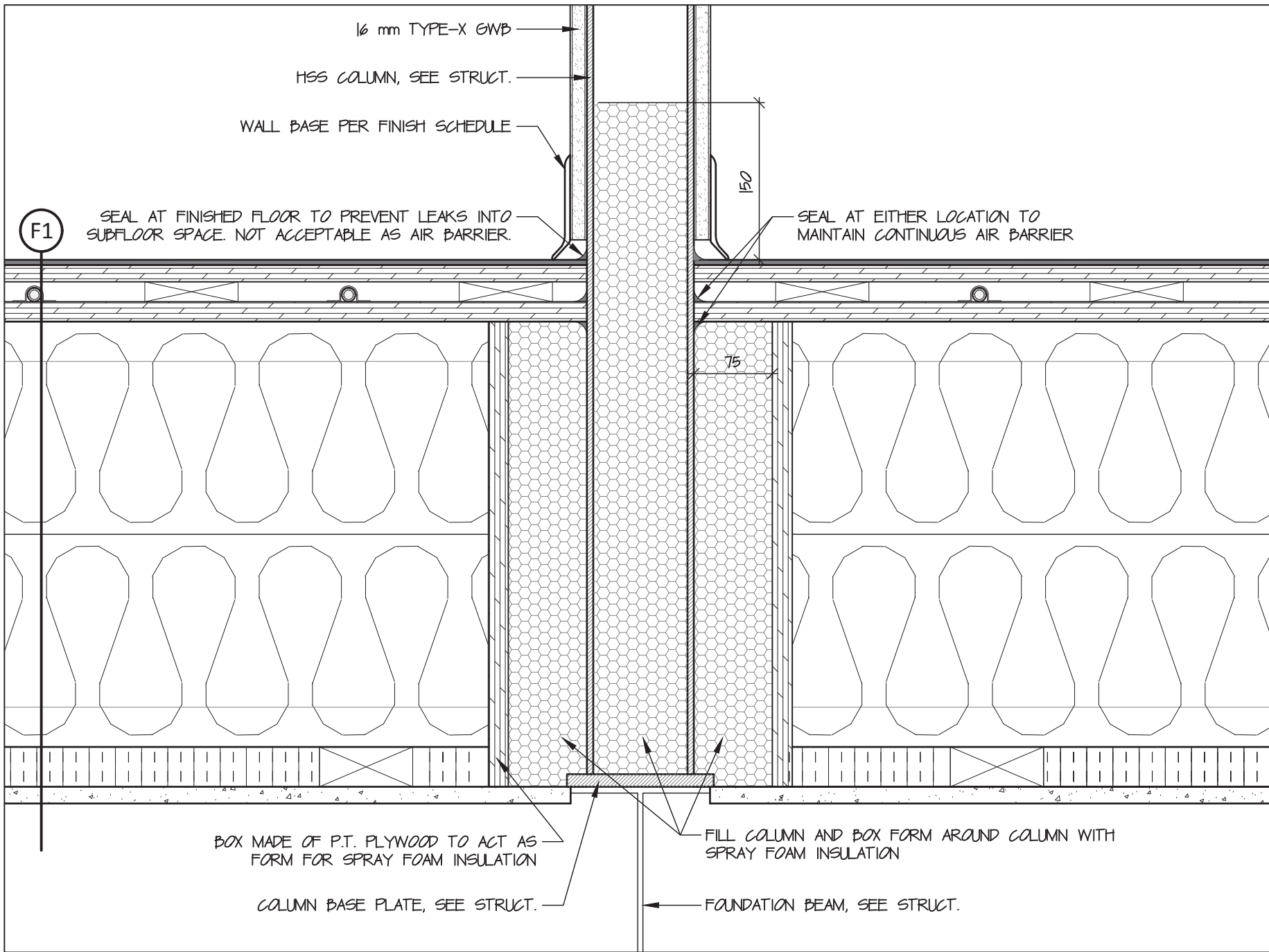
10 Door Header at Staff Room
A604 scale 1:5



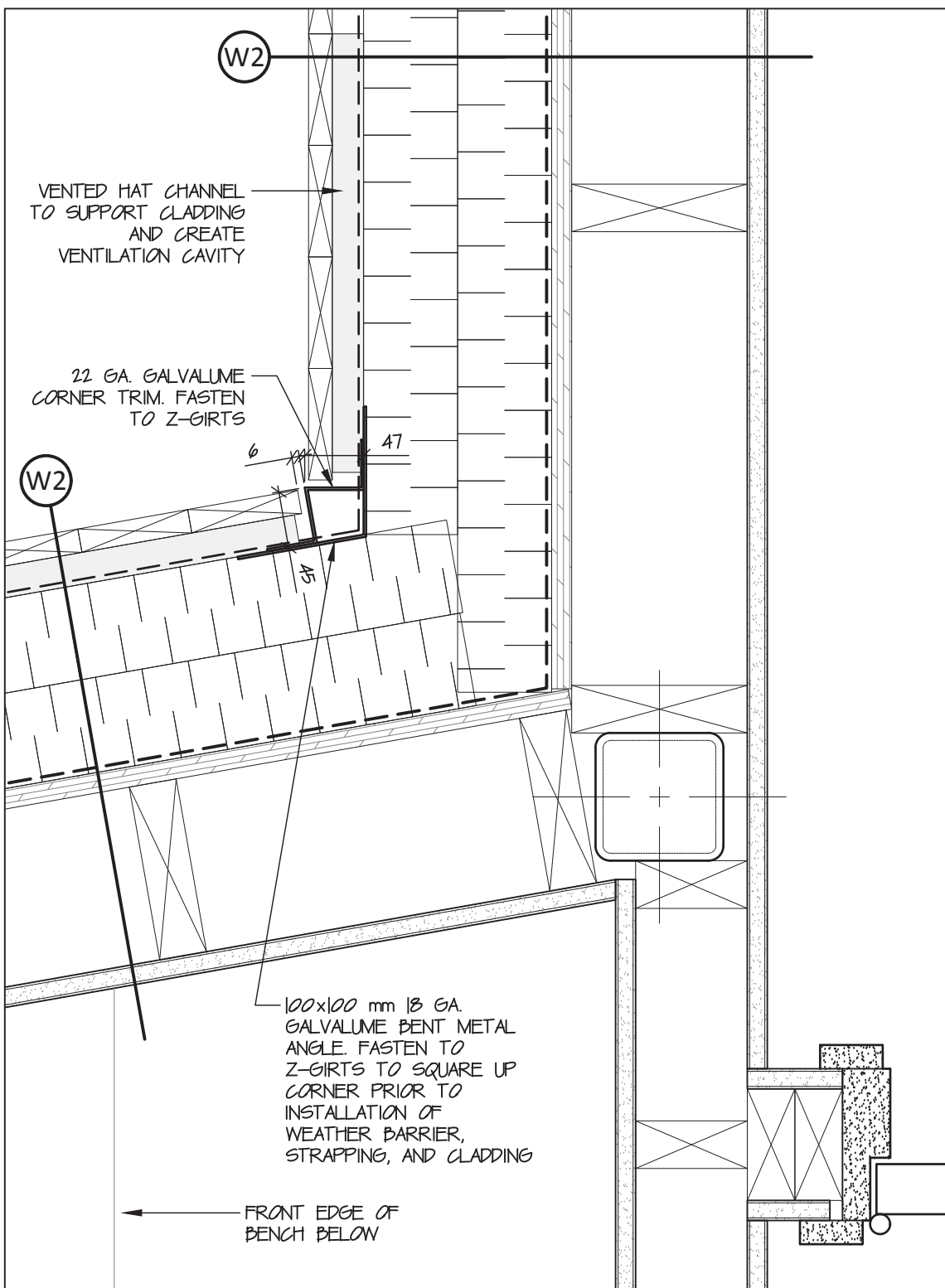
2 Exterior Wall Inside Corner Plan Detail
A604 scale 1:5



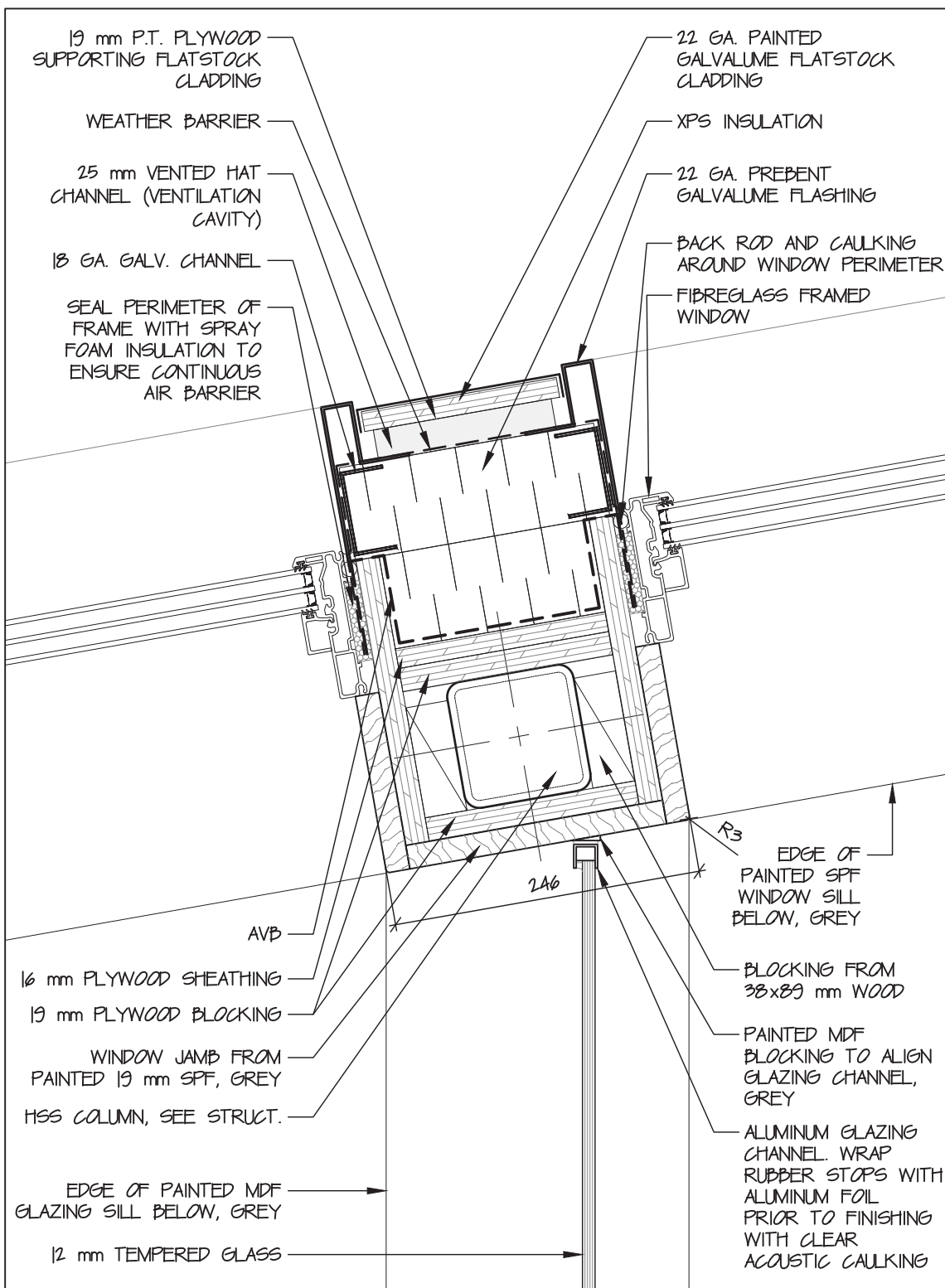
5 Column in Exterior Wall - Plan Detail
A604 scale 1:5



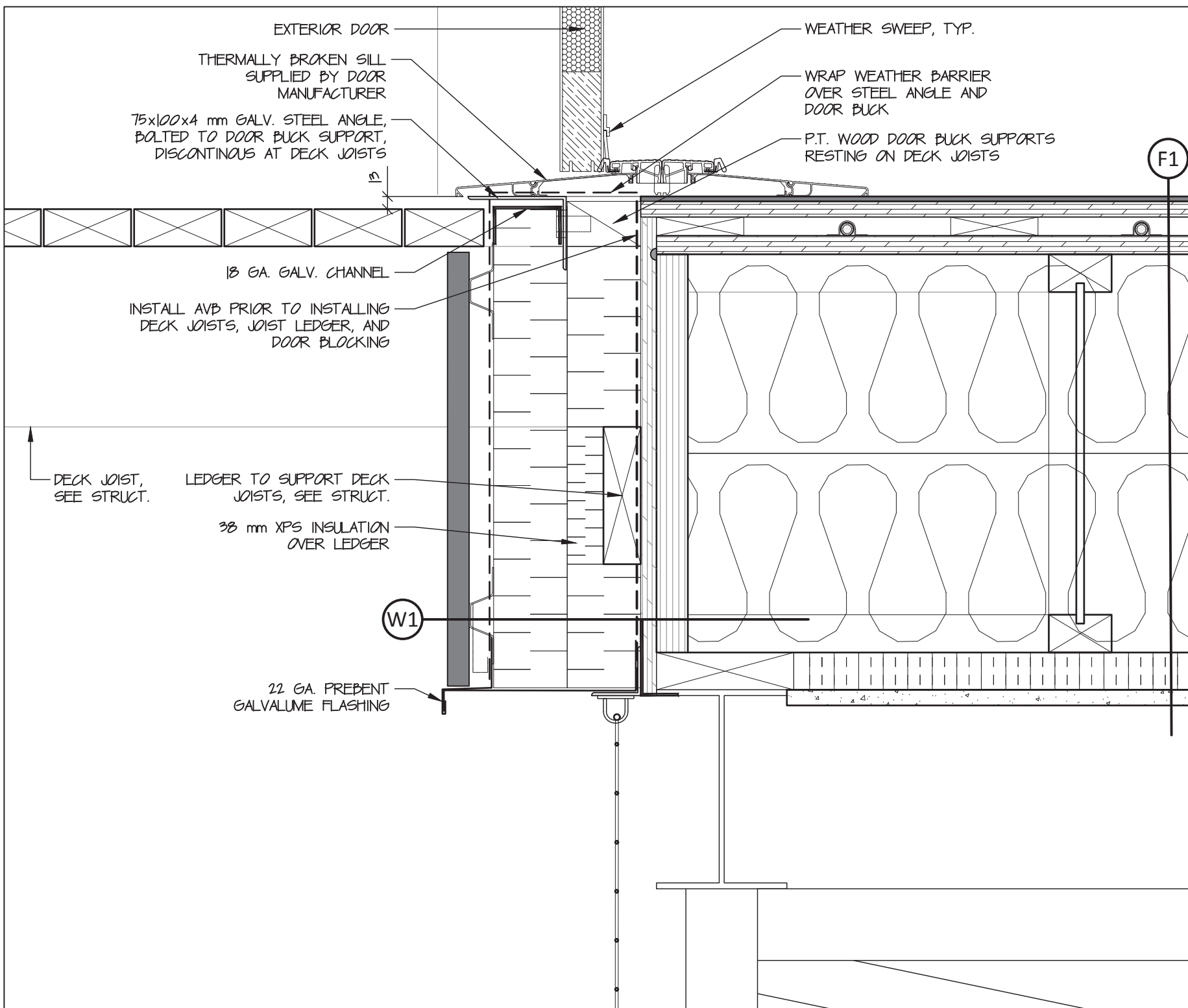
8 HSS Column Base Detail
A604 scale 1:5



3 Exterior Wall Inside Corner Plan Detail
A604 scale 1:5



6 Exterior Wall Column - Plan Detail
A604 scale 1:5



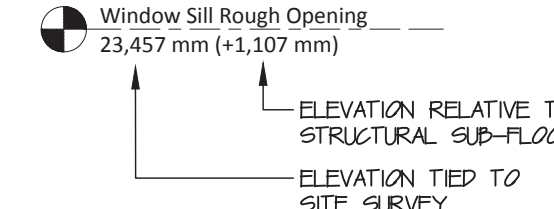
9 Door Sill Detail at Exit Stairs
A604 scale 1:5



Taylor Architecture Group
PERMIT No. 004
Issued pursuant to Section 20 of the
Architects Act of the Northwest Territories
15 FEB 2018

NOTES
SEE A601 FOR WALL, ROOF, AND FLOOR ASSEMBLIES
SEE A602 FOR GIRT, CHANNEL, AND FLASHING TYPES

SAMPLE ELEVATION TAG



NOT FOR CONSTRUCTION
ALL DIMENSIONS TO BE SITE VERIFIED BY CONTRACTOR

2	9-Feb-18	Issued for Tender
1	2-Feb-18	100% Construction Documents
#	Date	Description

Revisions
Date: February 2, 2018

Project:
**NUNAVUT WATER BOARD
NEW OFFICE BUILDING**

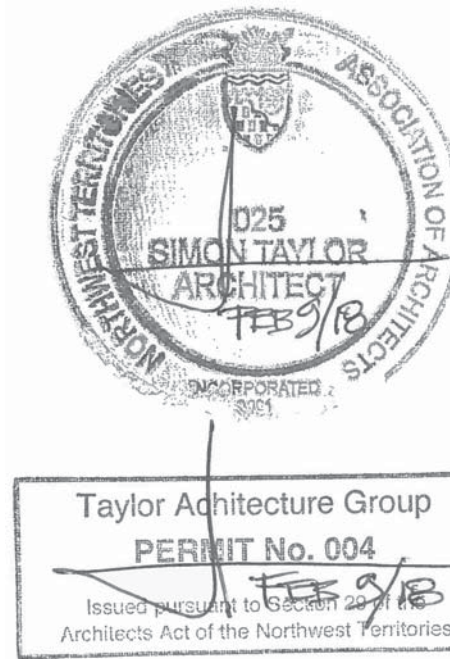
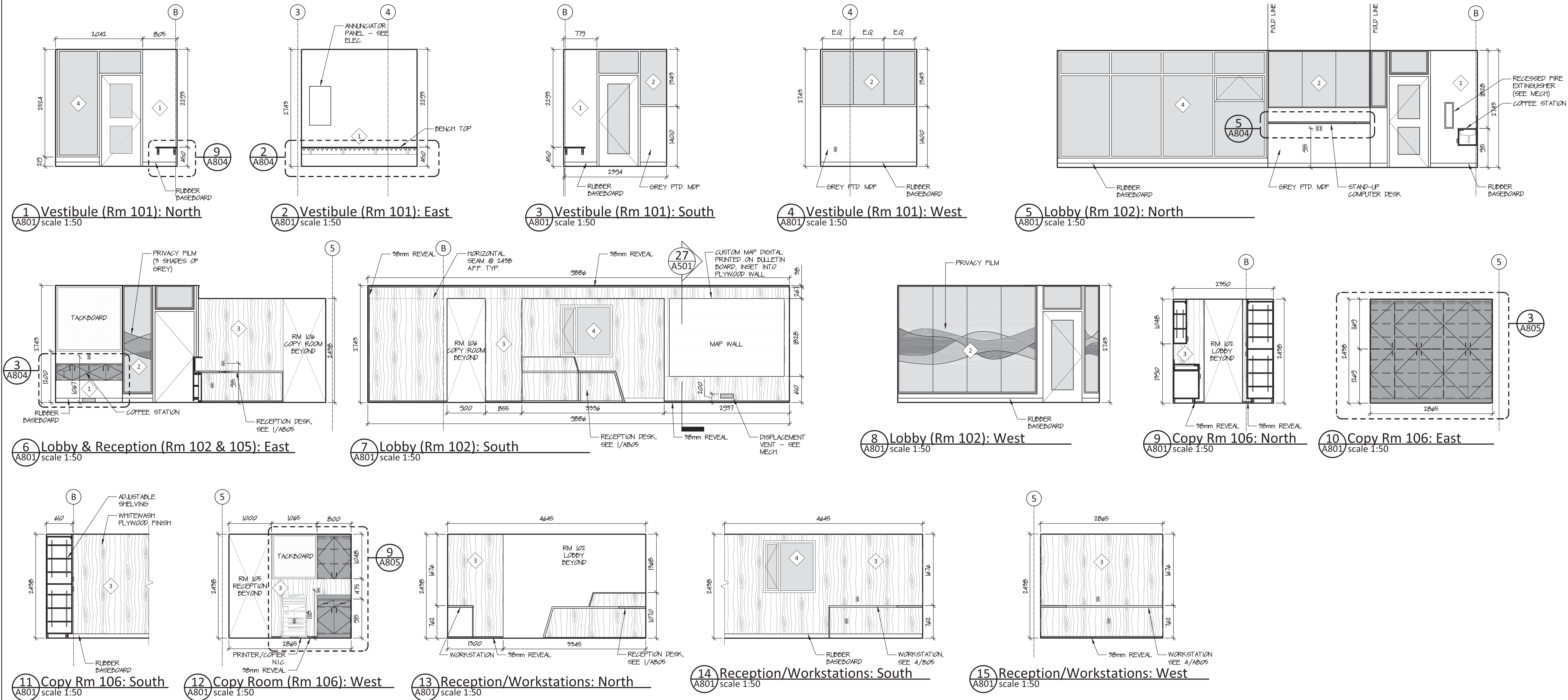
Gjoa Haven, NU

project north true north	Design by: S.T.
	Drawing by: C.O.
	Scale: As Noted

Sheet name:
Envelope Details

Project #
17-017

Drawing #
A604



MATERIAL SCHEDULE

- 1 PTD GWB
- 2 INTERIOR GLAZING
- 3 PLYWOOD
- 4 EXTERIOR GLAZING
- 5 TILE
- MILLWORK (ELEVATION)
- GLAZING
- VENEER PLYWOOD WALL FINISH
- TACKBOARD

NOT FOR CONSTRUCTION
ALL DIMENSIONS TO BE SITE VERIFIED BY CONTRACTOR

#	Date	Description
4	09-Feb-18	Issued for Tender
3	02-Feb-18	100% Construction Documents
2	19-Dec-17	66% Construction Documents
1	15-Nov-17	Design Development

Revisions
Date Description
November 15, 2017

Project:
**NUNAVUT WATER BOARD
NEW OFFICE BUILDING**

Gjoa Haven, NU

project north
true north
Design by: S.T.
Drawing by: T.F.
Scale: As Noted

Sheet name:

Interior Elevations

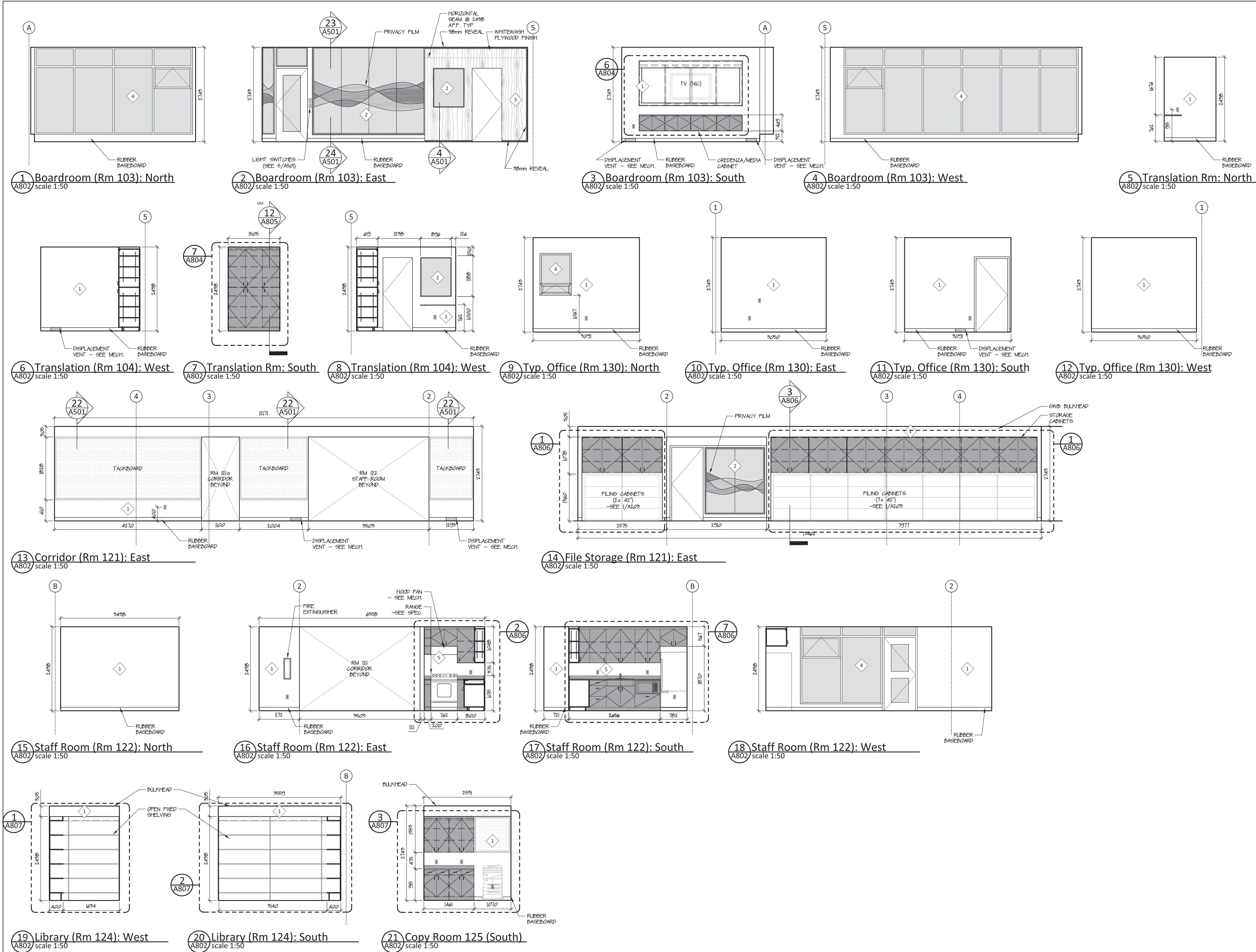
Project #

17-017

Drawing #

A801

NOTE: INTERIOR RENDERINGS FOR CONCEPTUAL INFORMATION ONLY. REFER TO INTERIOR ELEVATIONS AND DETAILS FOR FINAL DESIGN DRAWINGS



Taylor Architecture Group
PERMIT No. 004
Issued pursuant to Section 22 of the
Architects Act of the Northwest Territories

MATERIAL SCHEDULE

- 1 PTD GWB
- 2 INTERIOR GLAZING
- 3 PLYWOOD
- 4 EXTERIOR GLAZING
- 5 TILE
- MILLWORK (ELEVATION)
- GLAZING
- VENEER PLYWOOD WALL FINISH
- TACKBOARD

NOT FOR CONSTRUCTION
ALL DIMENSIONS TO BE SITE VERIFIED BY CONTRACTOR

Revisions	Date	Description
4	09-Feb-18	Issued for Tender
3	02-Feb-18	100% Construction Documents
2	19-Dec-17	66% Construction Documents
1	15-Nov-17	Design Development

Revisions
Date: December 13, 2017

Project: **NUNAVUT WATER BOARD
New Office Building**

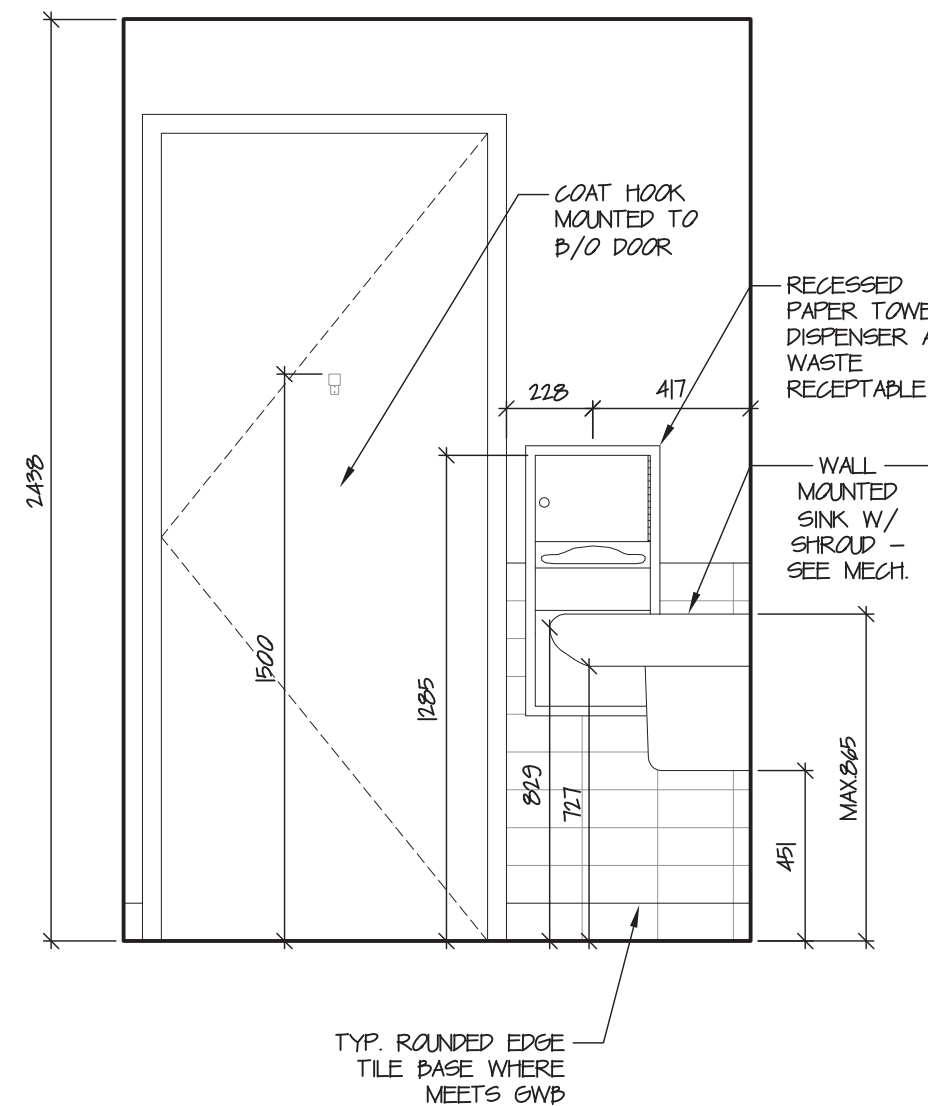
Gjoa Haven, NU

project north
Drawing by: S.T.
Scale: T.F.
As Noted

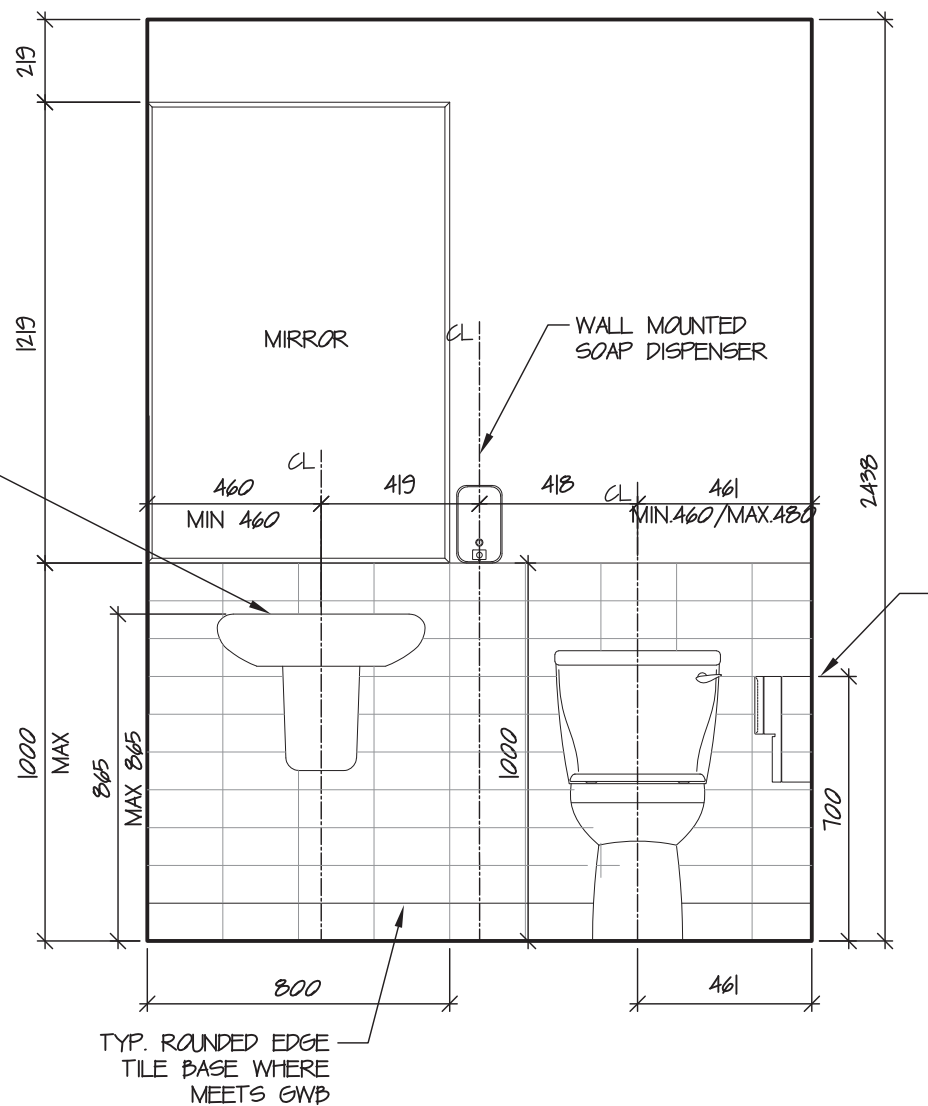
Sheet name: **Interior Elevations**

Project # **17-017**

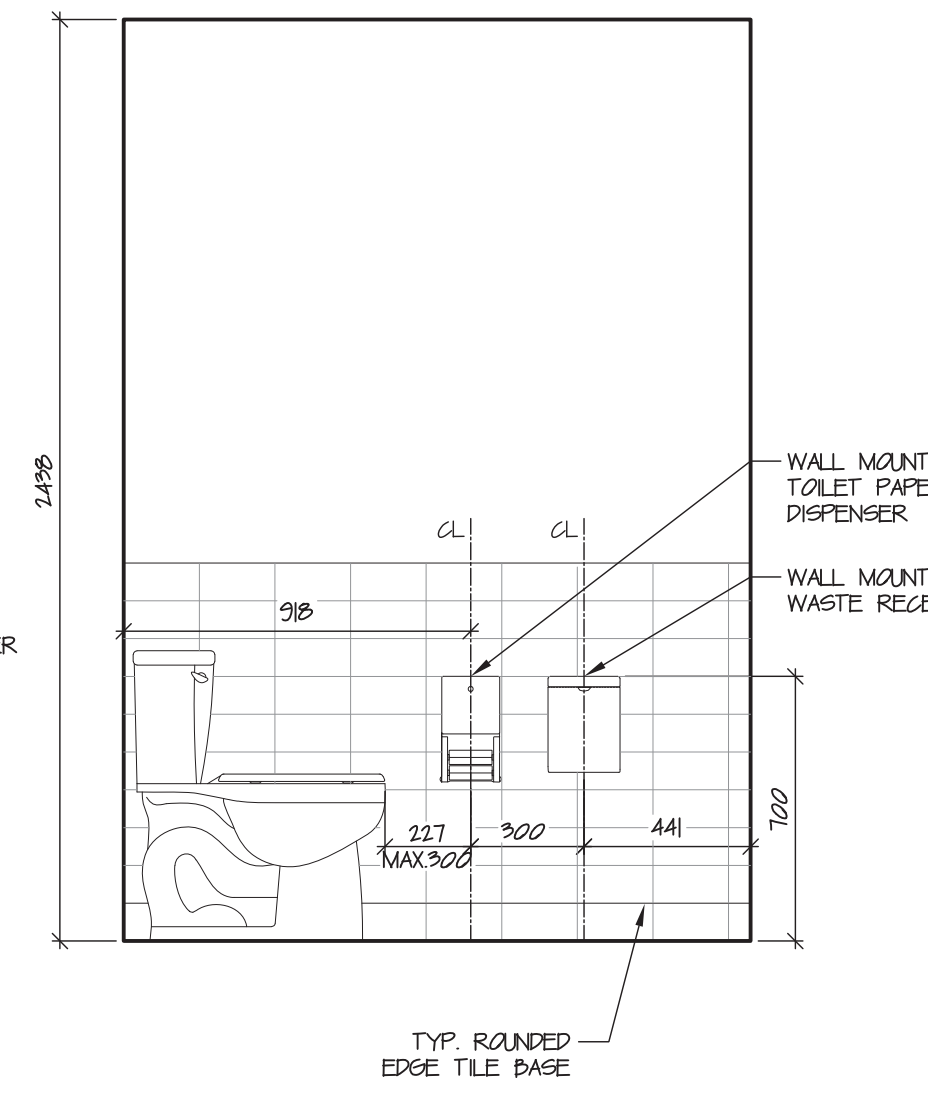
Drawing # **A802**



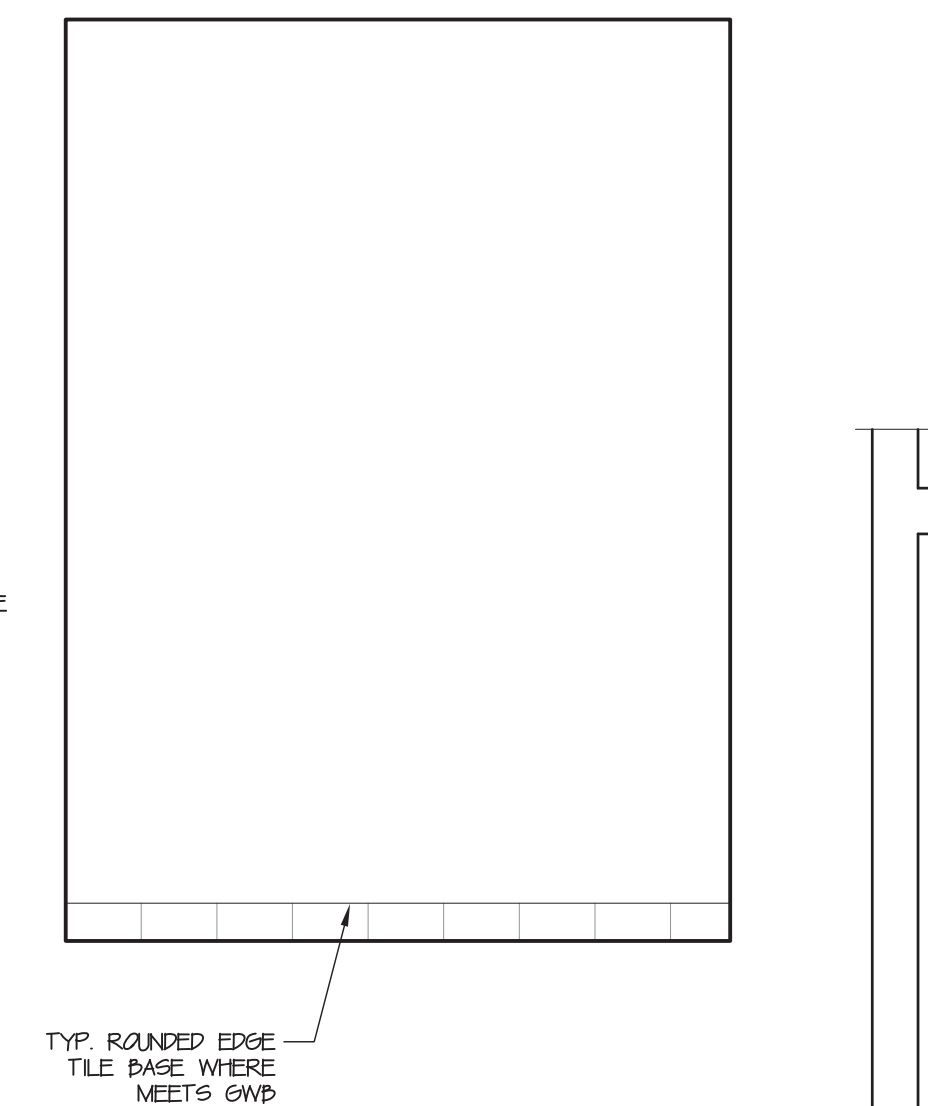
1 Washroom 1 (Rm 119): North
A803 scale 1:20



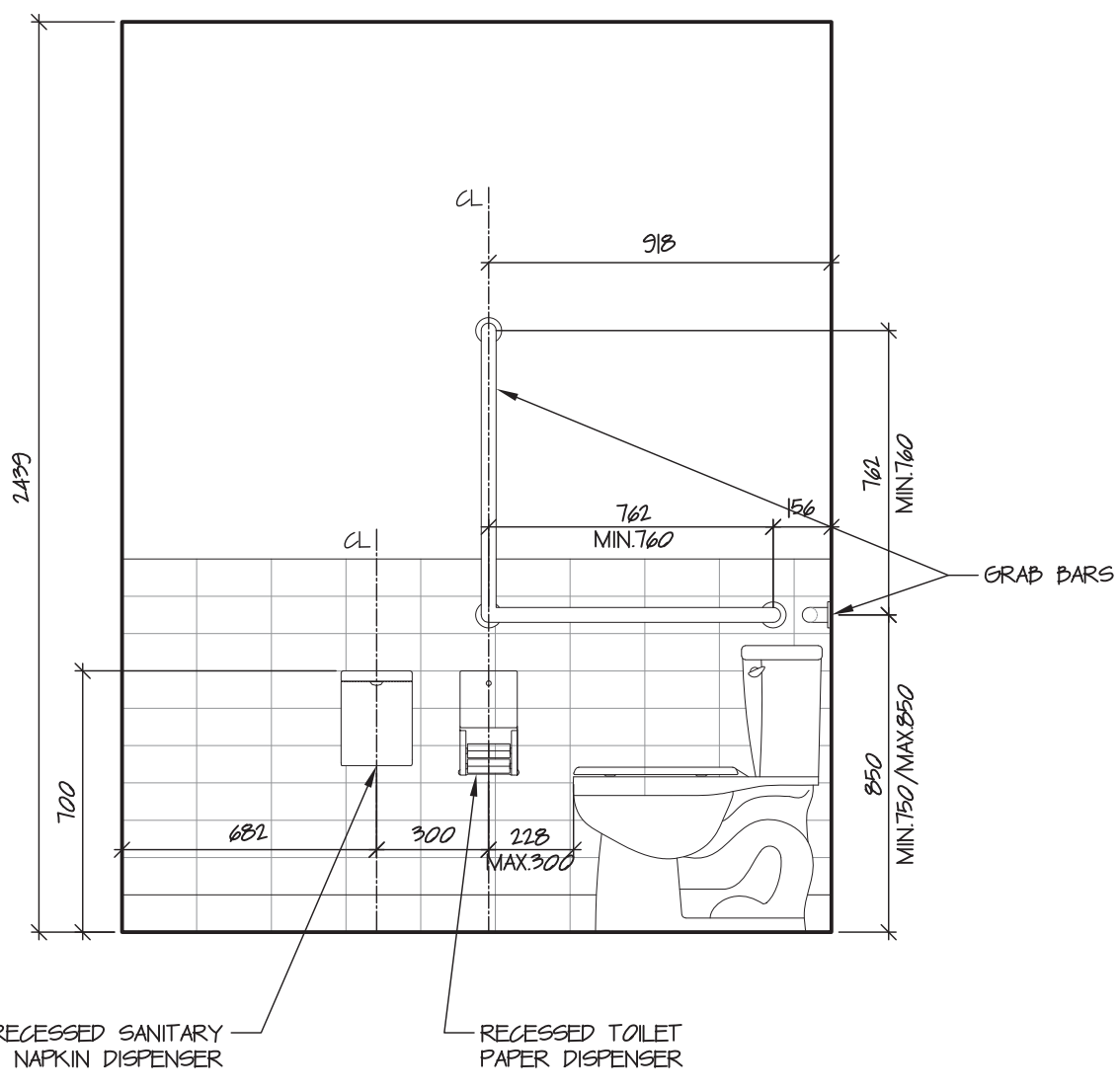
2 Washroom 1 (Rm 119): East
A803 scale 1:20



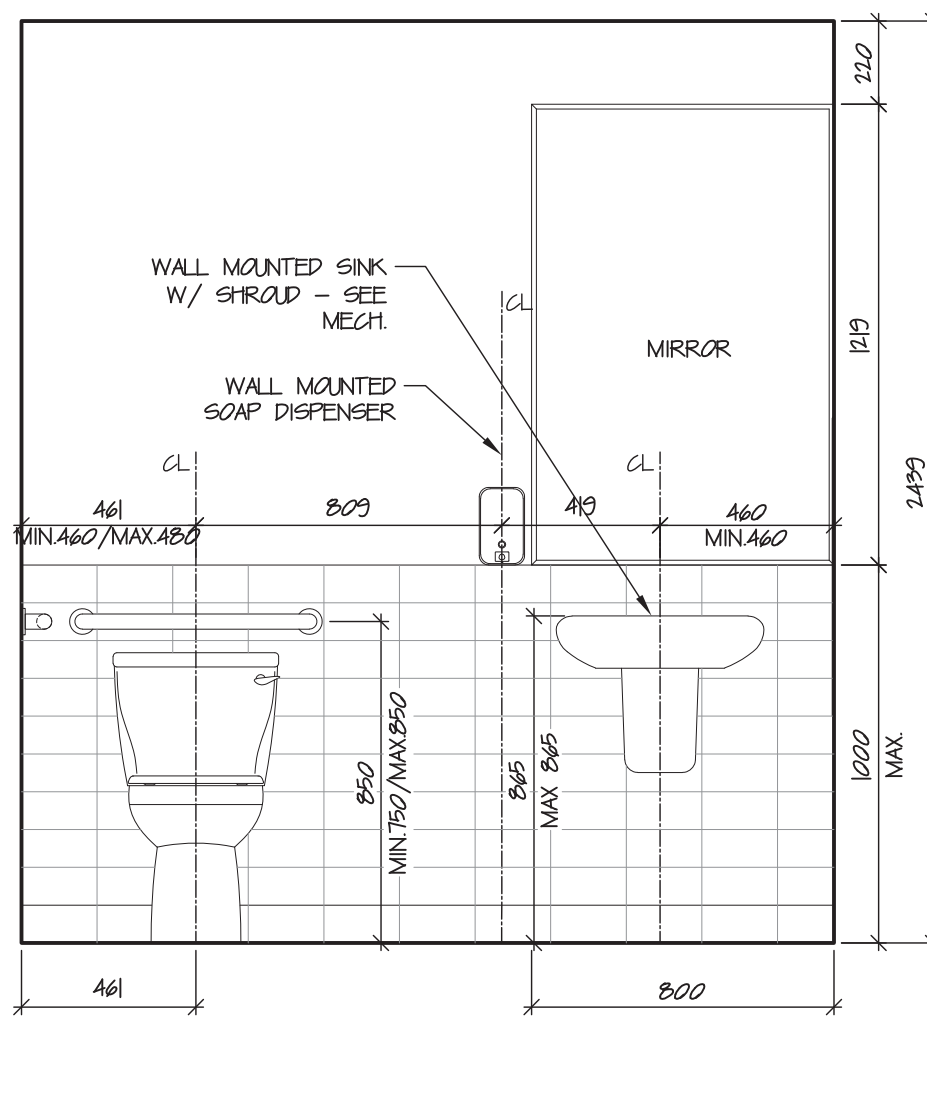
3 Washroom 1 (Rm 119): South
A803 scale 1:20



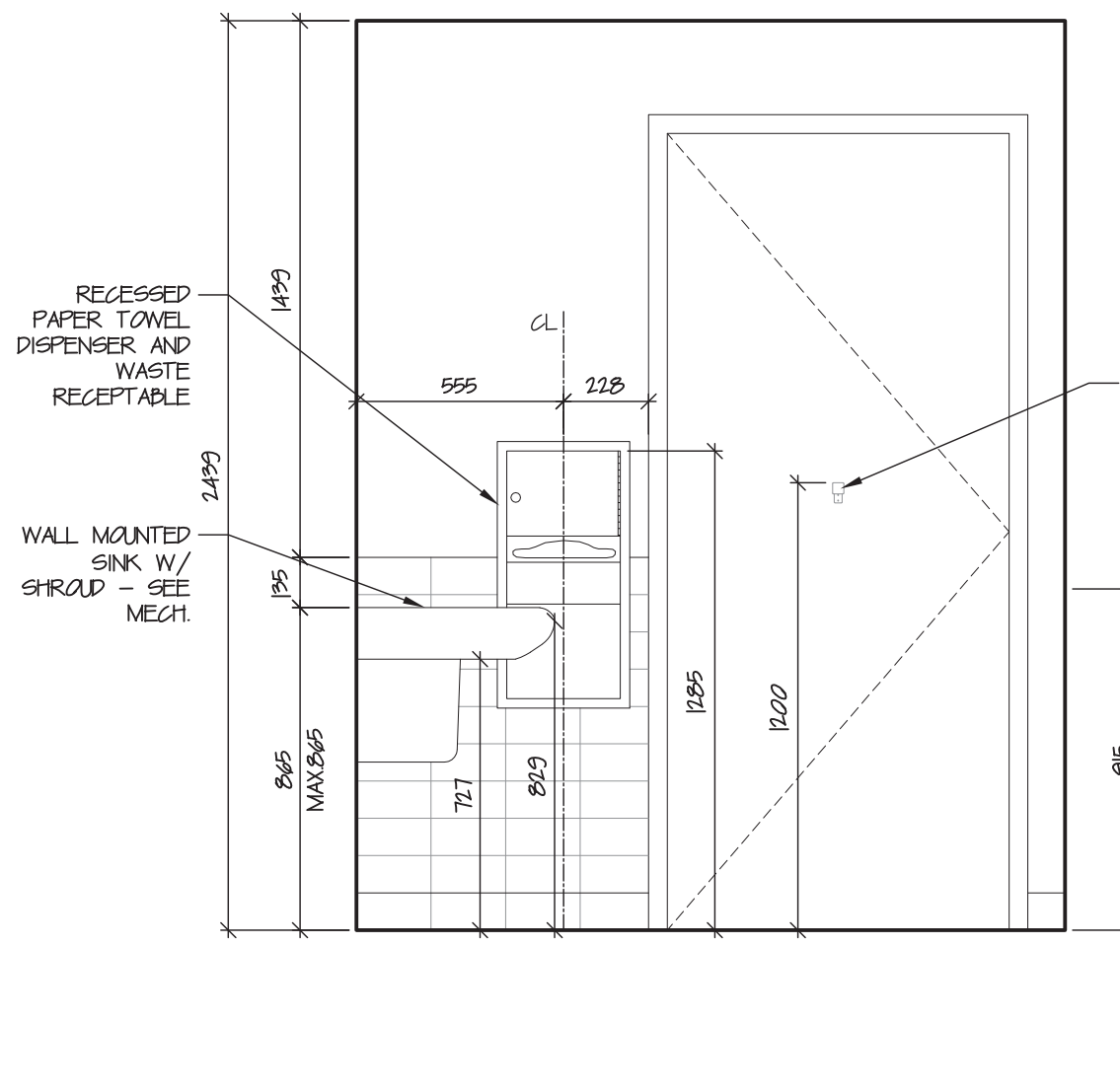
4 Washroom 1 (Rm 119): West
A803 scale 1:20



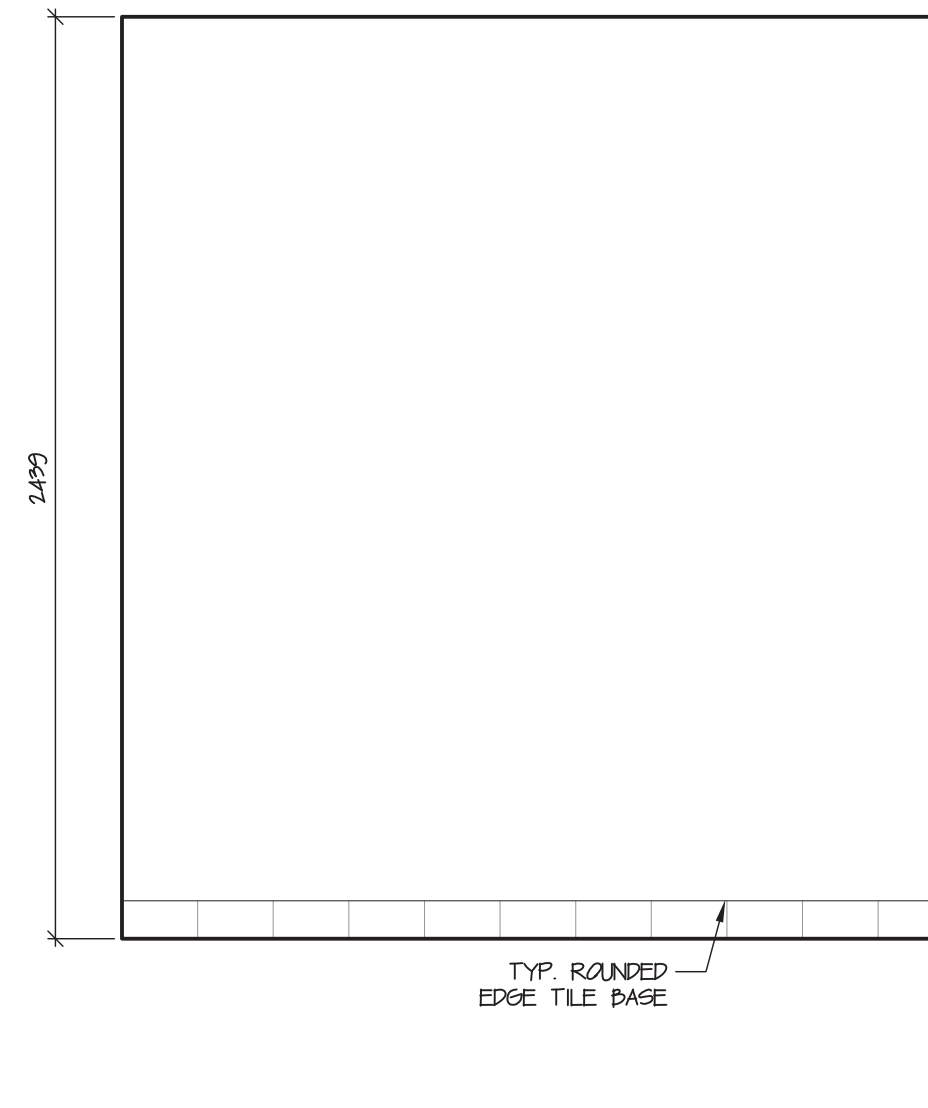
6 Public WR (Rm 117): North
A803 scale 1:20



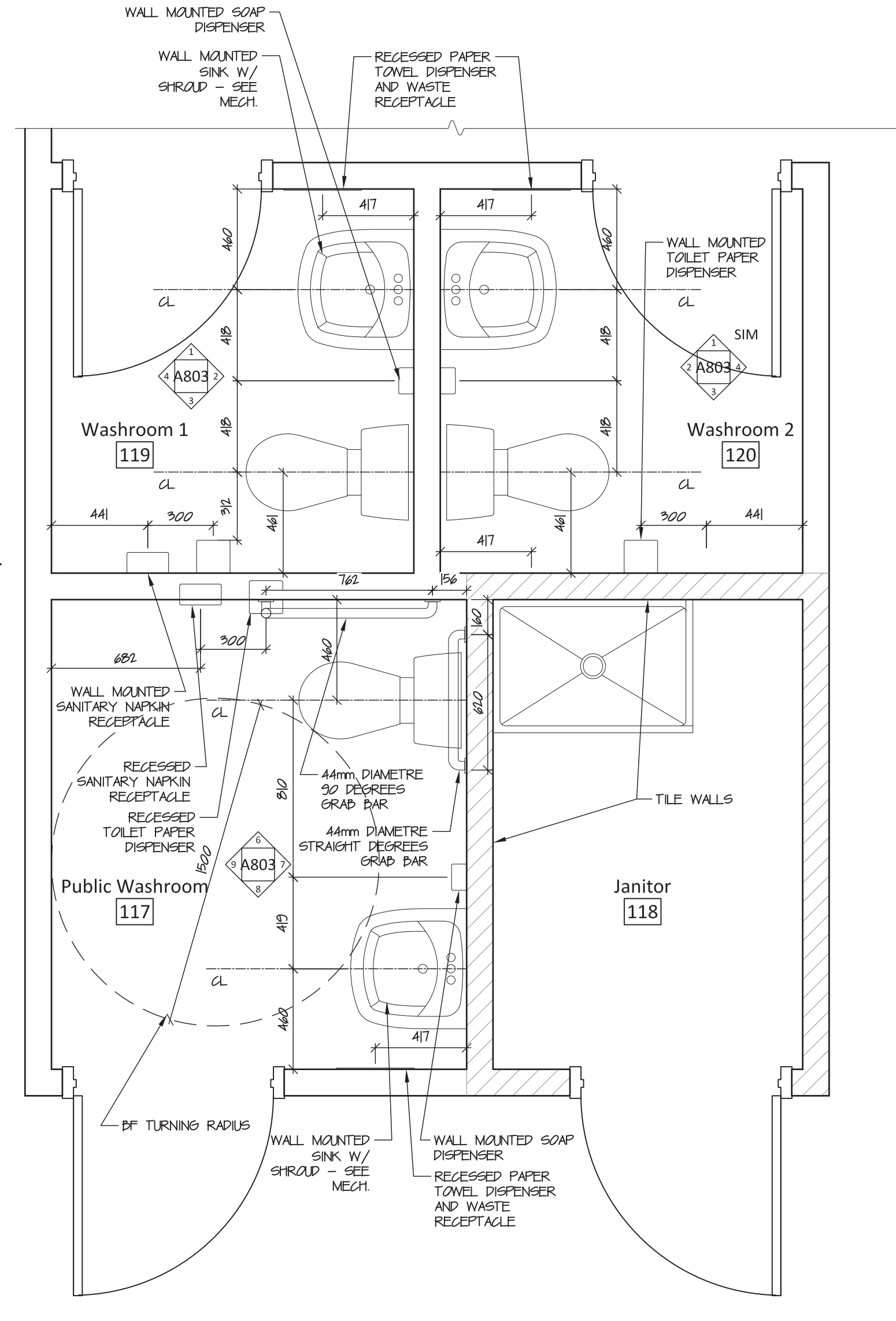
7 Public WR (Rm 107): East
A803 scale 1:20



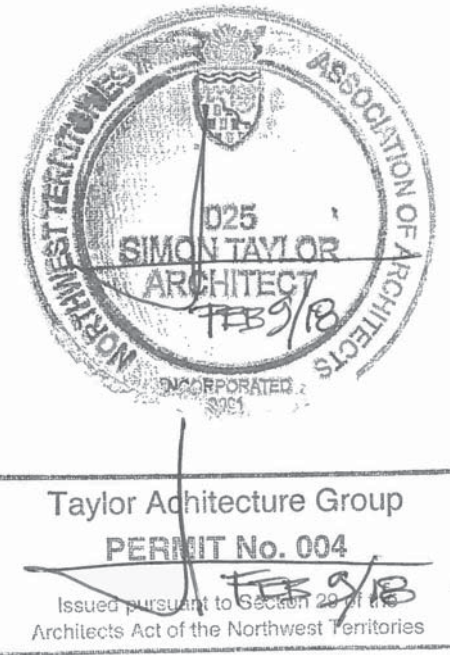
8 Public WR (Rm 107): South
A803 scale 1:20



9 Public WR (Rm 107): West
A803 scale 1:20



5 Washroom 1 (Rm 119): Plan
A803 scale 1:20



NOT FOR CONSTRUCTION
ALL DIMENSIONS TO BE SITE VERIFIED BY CONTRACTOR

#	Date	Description
4	09-Feb-18	Issued for Tender
3	02-Feb-18	100% Construction Documents
2	19-Dec-17	66% Construction Documents
1	15-Nov-17	Design Development

Revisions
Date: November 15, 2017

Project:
**NUNAVUT WATER BOARD
NEW OFFICE BUILDING**

Gjoa Haven, NU
project north
True north
Design by: S.T.
Drawing by: T.F.
Scale: As Noted

Sheet name:
Washroom Details

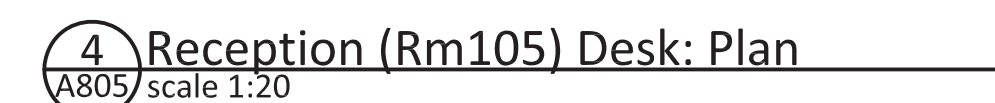
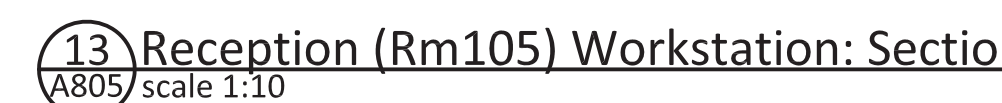
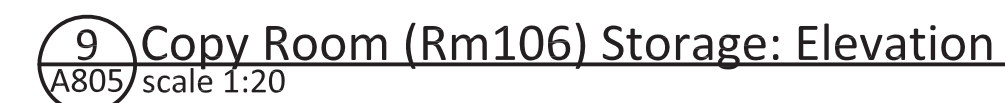
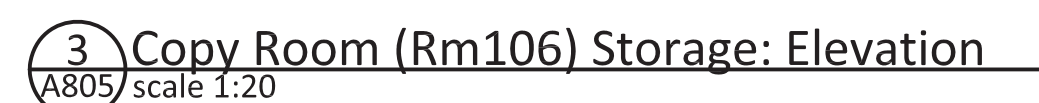
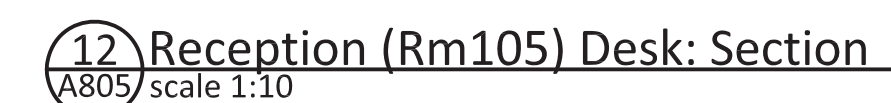
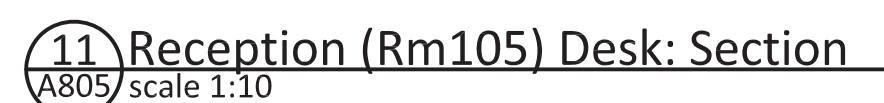
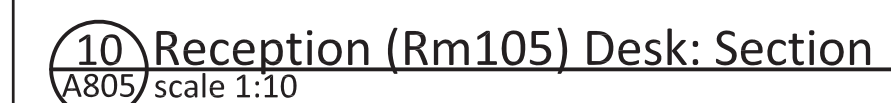
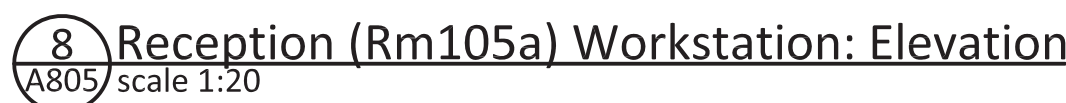
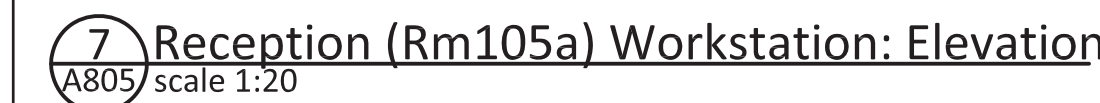
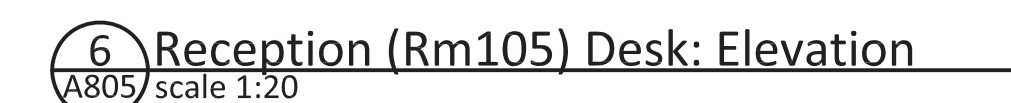
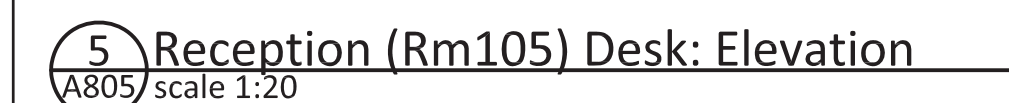
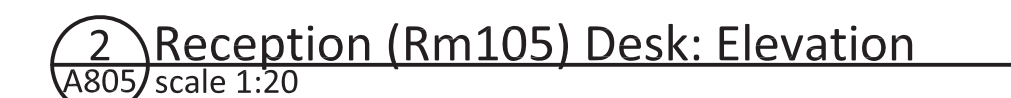
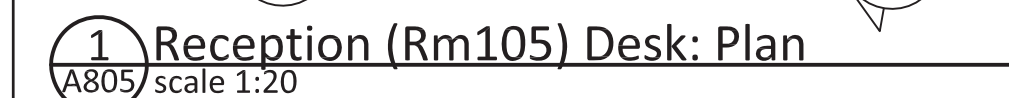
Project #
17-017

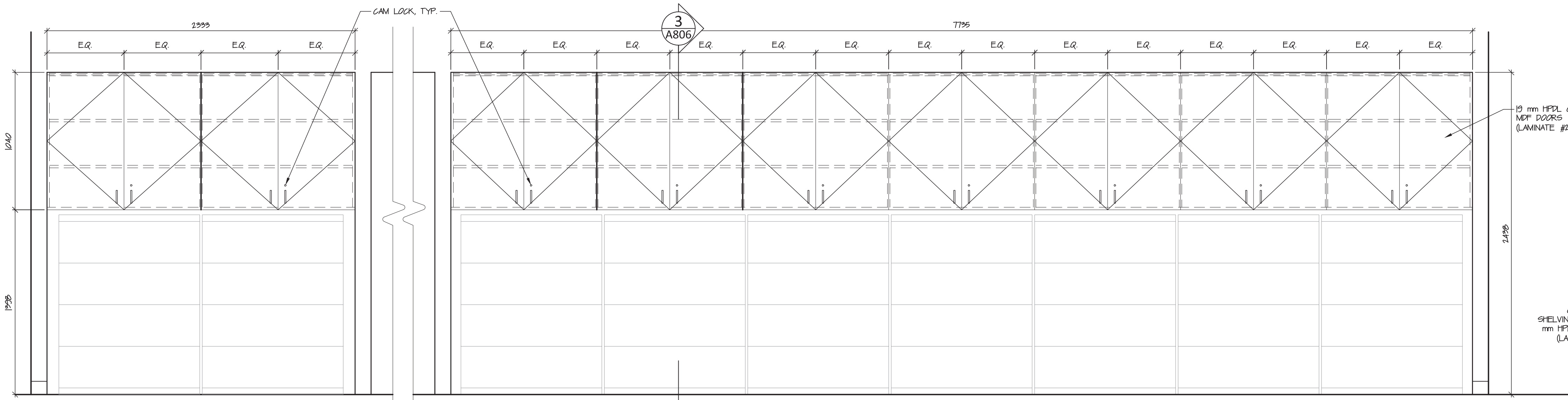
Drawing #
A803



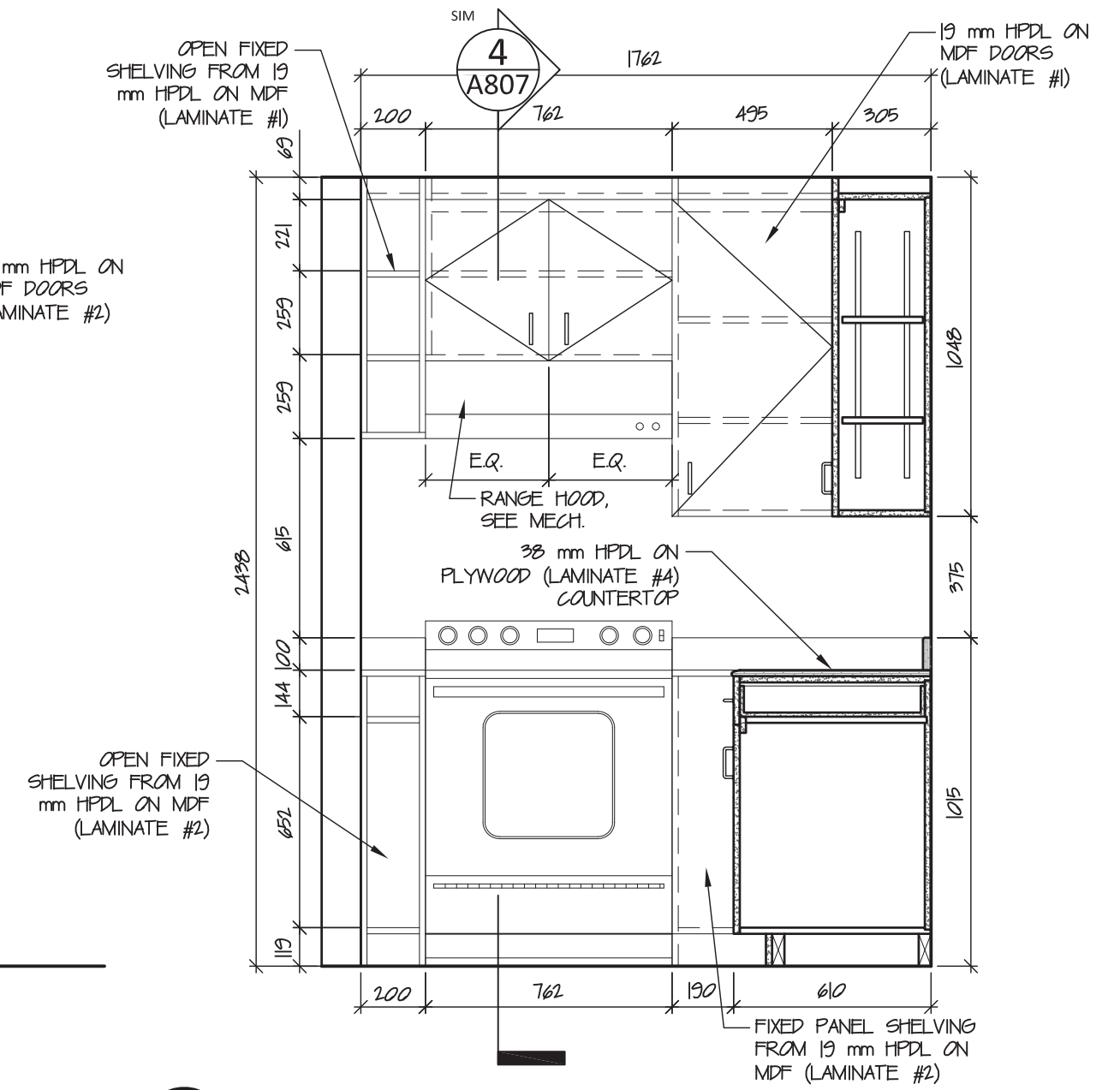
NOTES
REFER TO FINISH SCHEDULE 3/A203 FOR
LAMINATE COLOUR REFERENCE



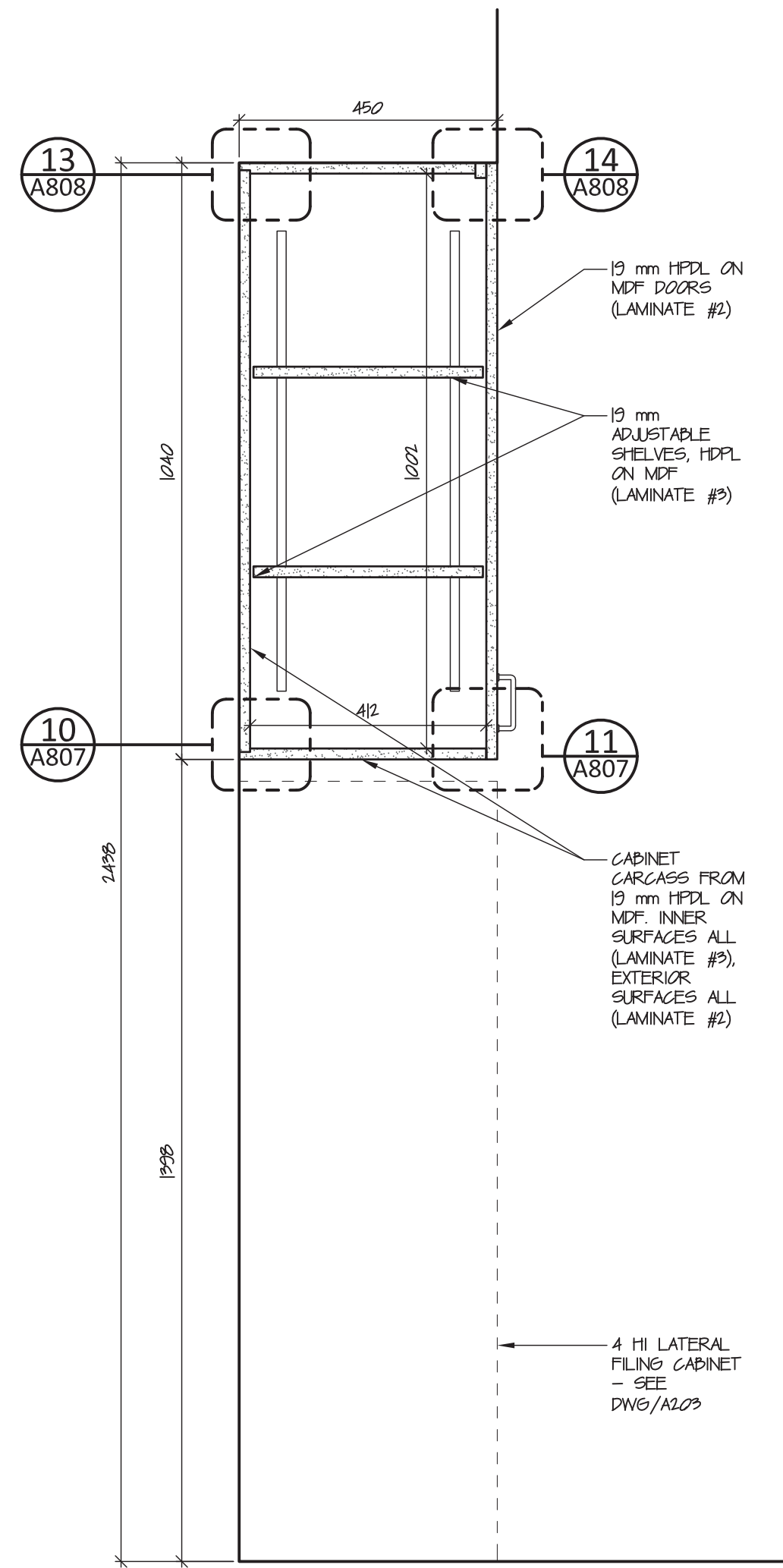
Drawing #
A805



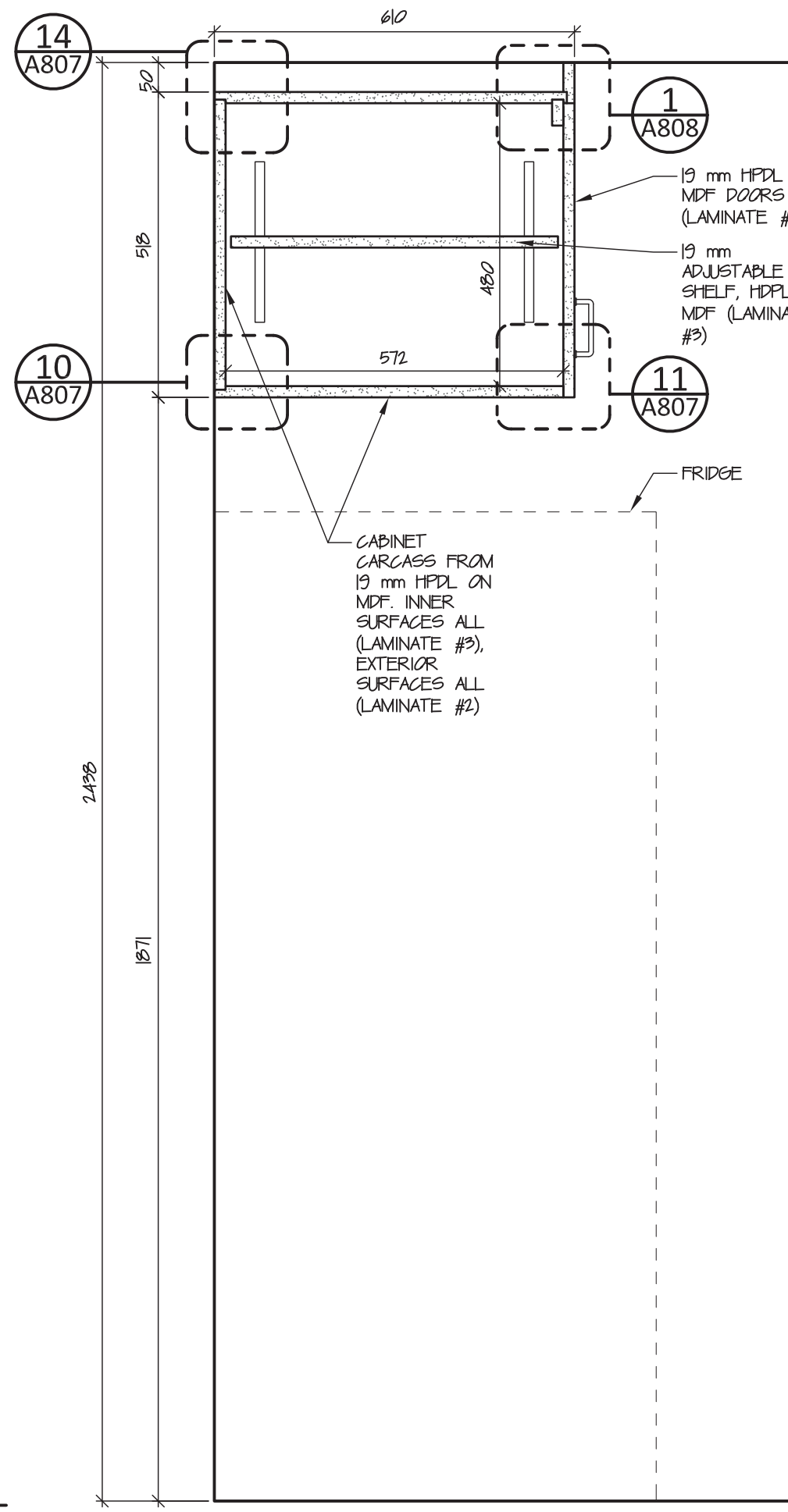
1 General Filing (Rm121) Storage: Elevation
A806 scale 1:20



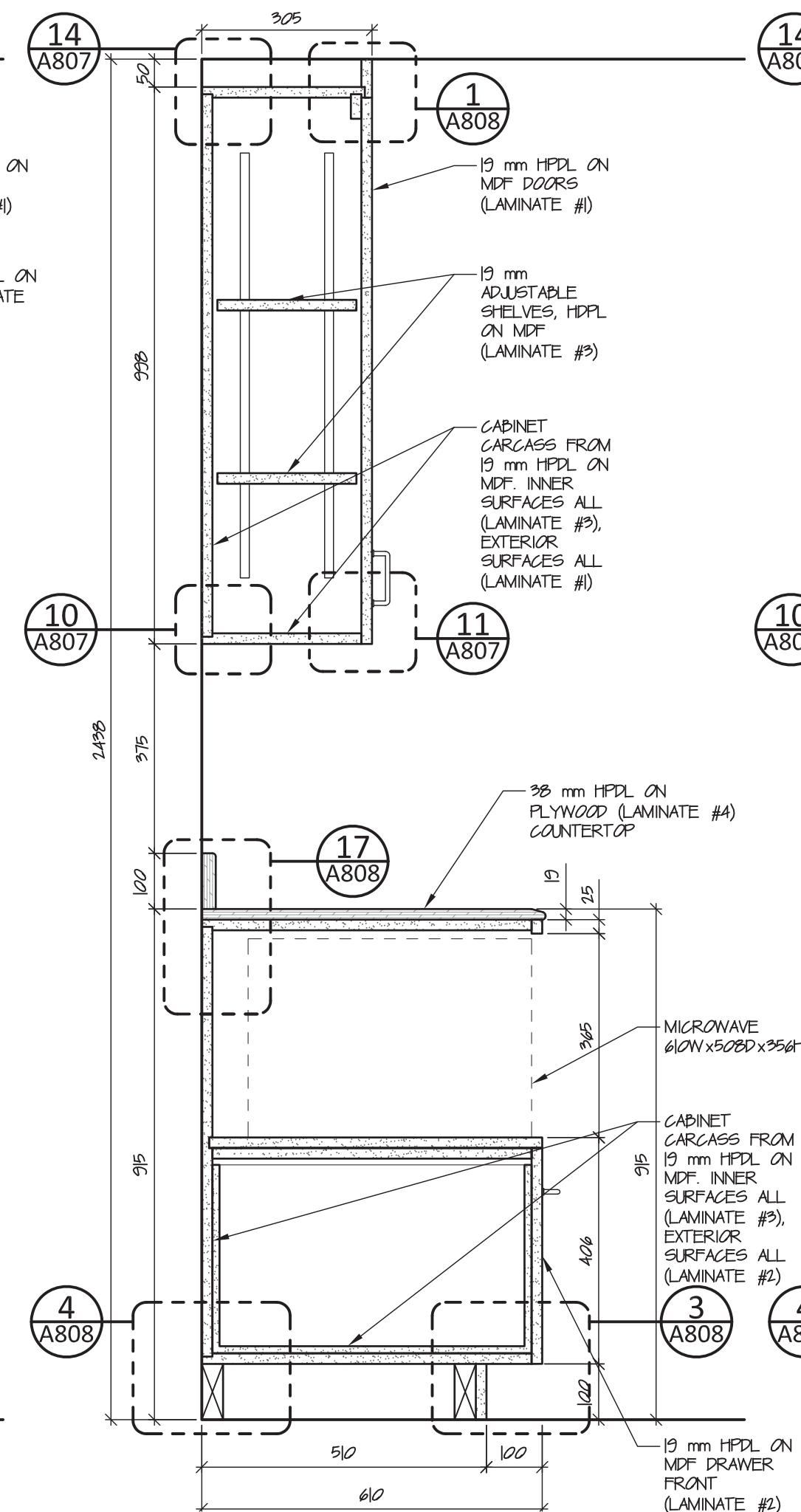
2 Staff Room (Rm122) Kitchen: Elevation
A806 scale 1:20



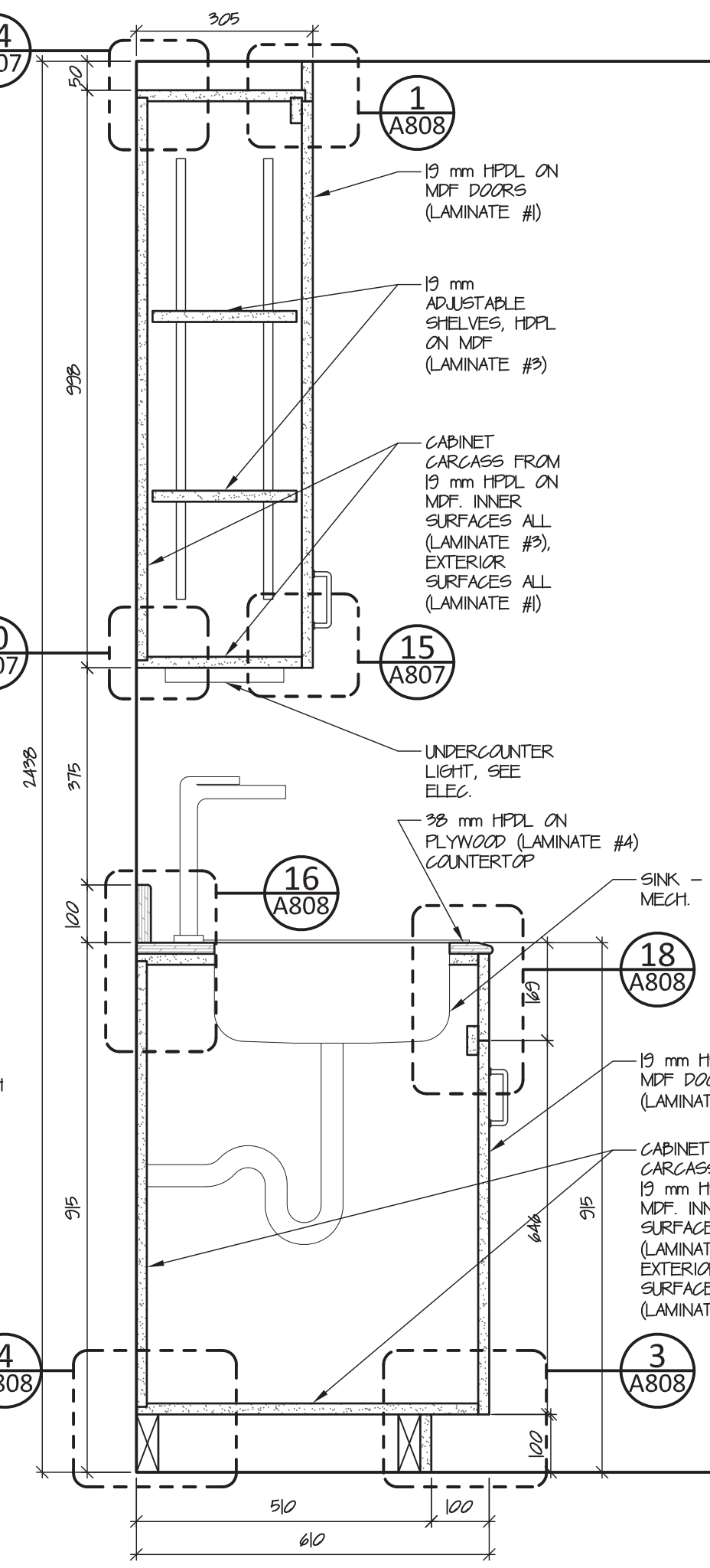
3 General Filing (Rm121) Storage: Section
A806 scale 1:10



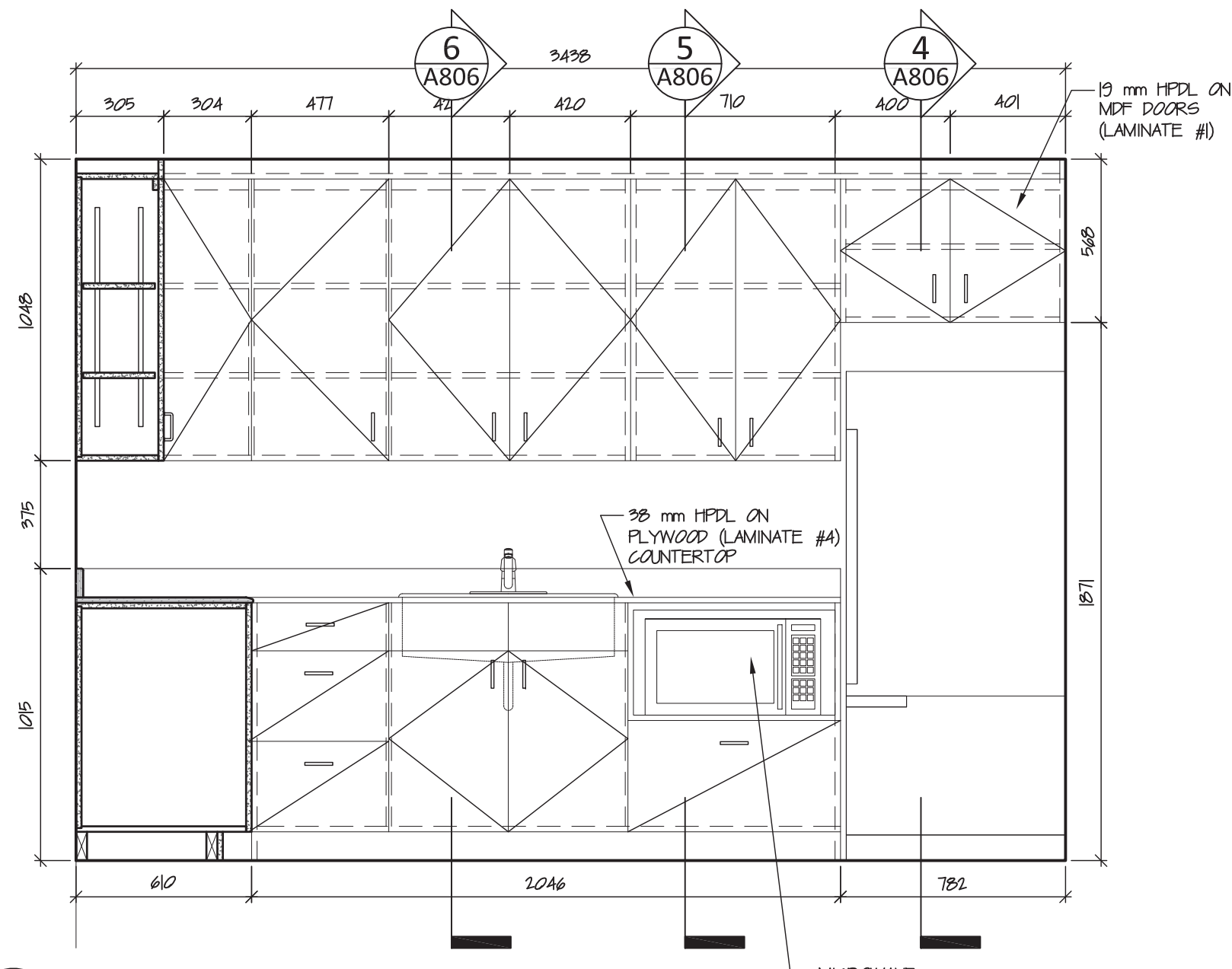
4 Staff Room (Rm122) Kitchen: Section
A806 scale 1:10



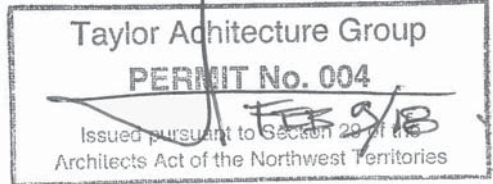
5 Staff Room (Rm122) Kitchen: Section
A806 scale 1:10



6 Staff Room (Rm122) Kitchen: Section
A806 scale 1:10



7 Staff Room (Rm122) Kitchen: Elevation
A806 scale 1:20



NOTES
REFER TO FINISH SCHEDULE 3/A203 FOR
LAMINATE COLOUR REFERENCE

NOT FOR CONSTRUCTION
ALL DIMENSIONS TO BE SITE VERIFIED BY CONTRACTOR

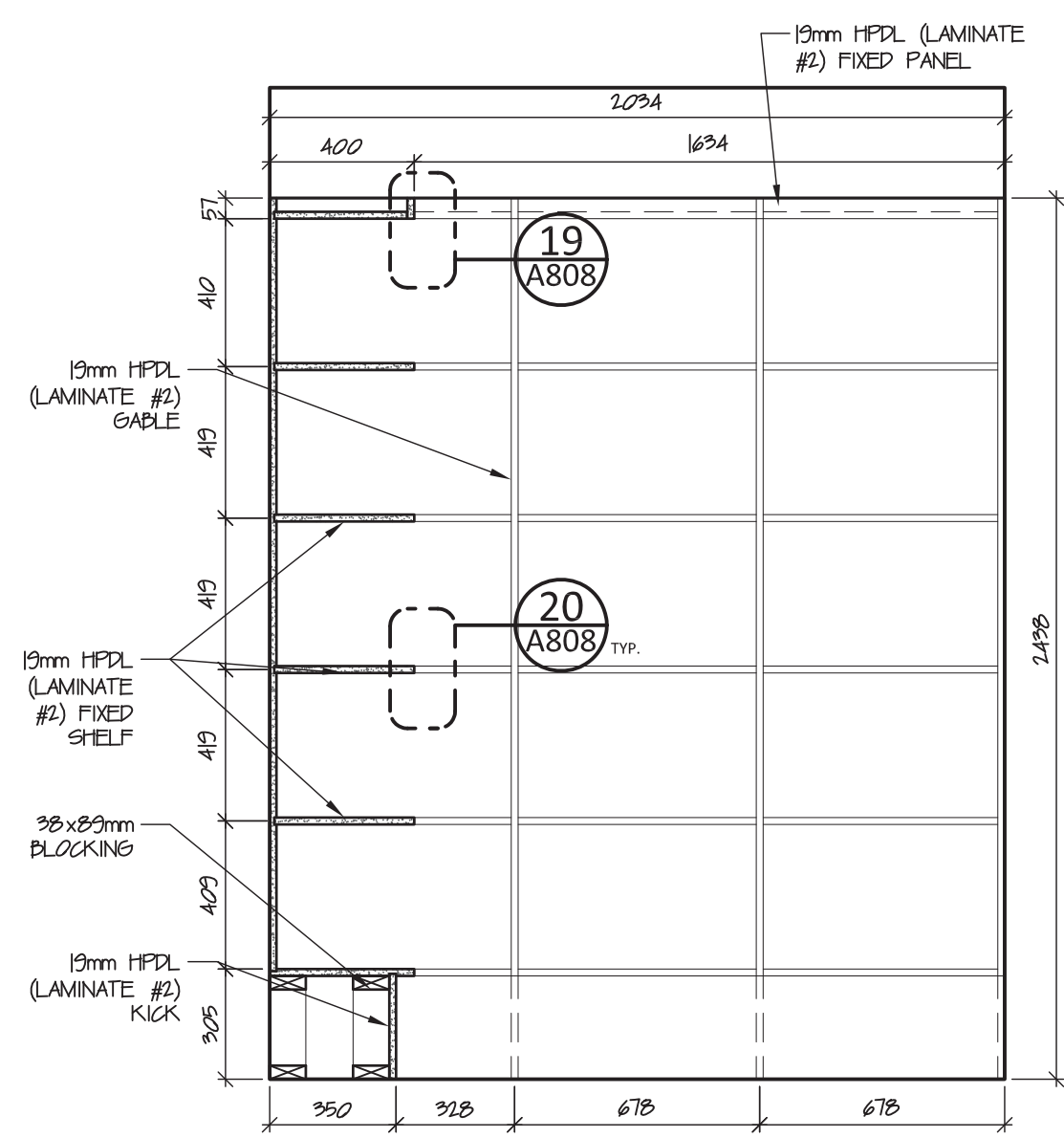
Revisions		
#	Date	Description
2	09-Feb-18	Issued for Tender
1	02-Feb-18	100% Construction Documents
Revisions		
Date: January 19, 2018		

Project: NUNAVUT WATER BOARD New Office Building	
Gjoa Haven, NU	
project north True North	Design by: S.T. Drawing by: T.F. Scale: As Noted
Sheet name:	

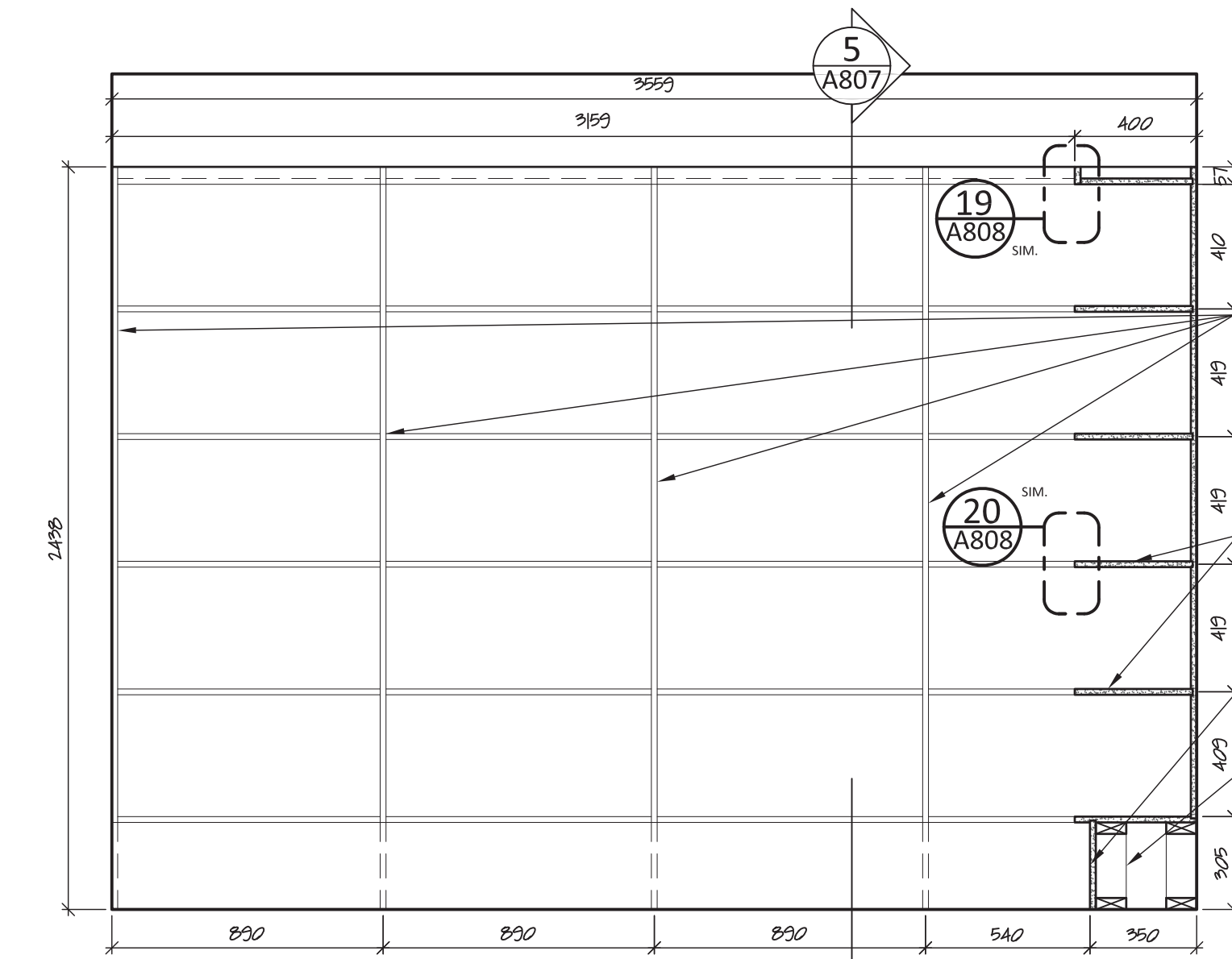
**Millwork Elevations &
Sections**

Project #
17-017

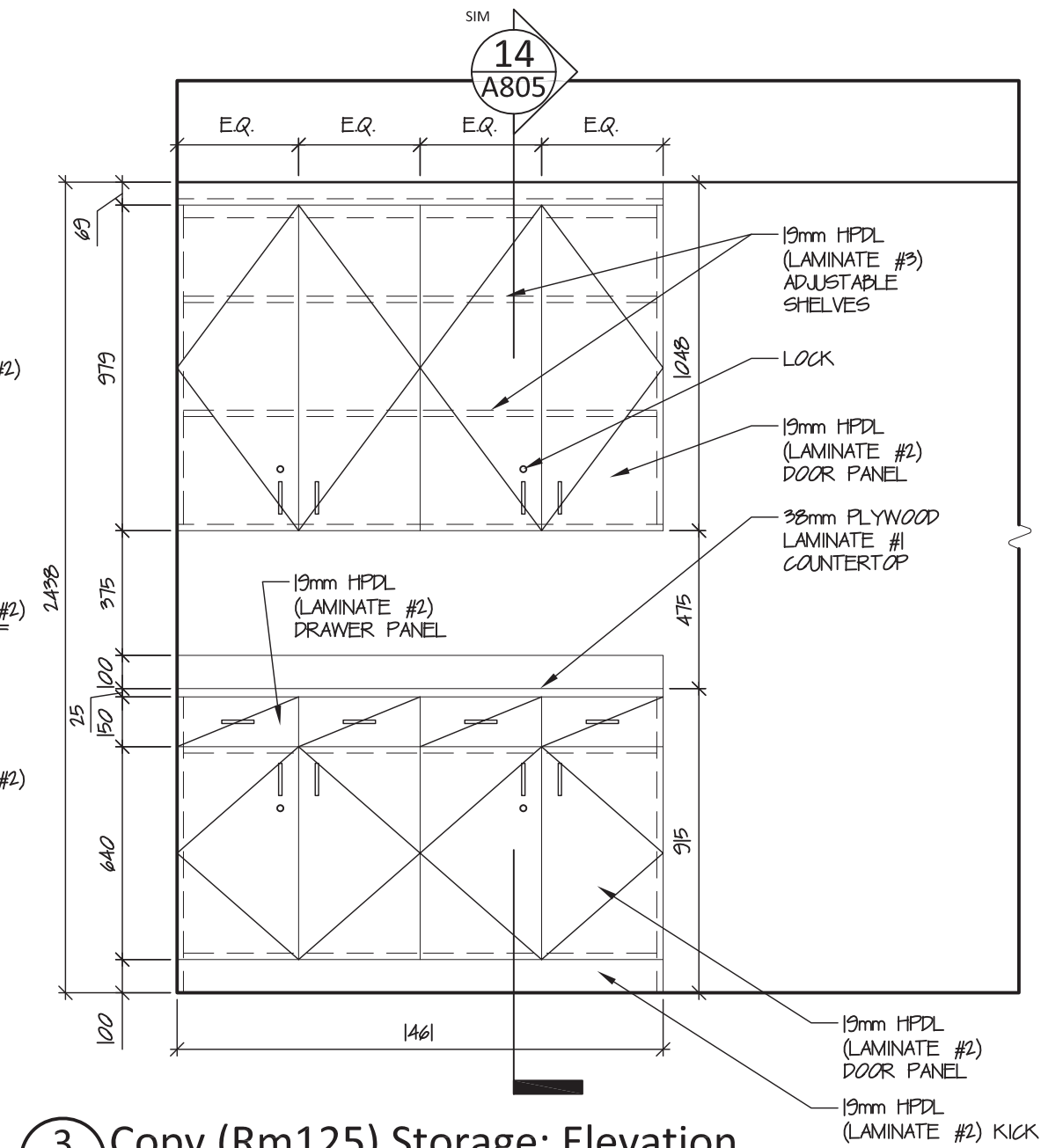
Drawing #
A806



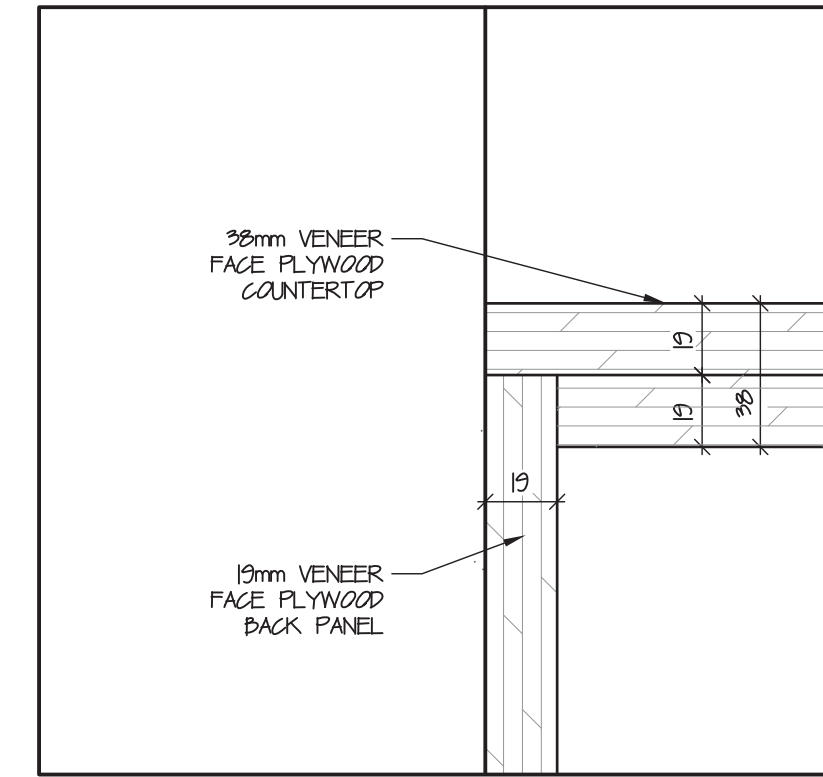
1 Library (Rm124) Shelving: Elevation
A807 scale 1:20



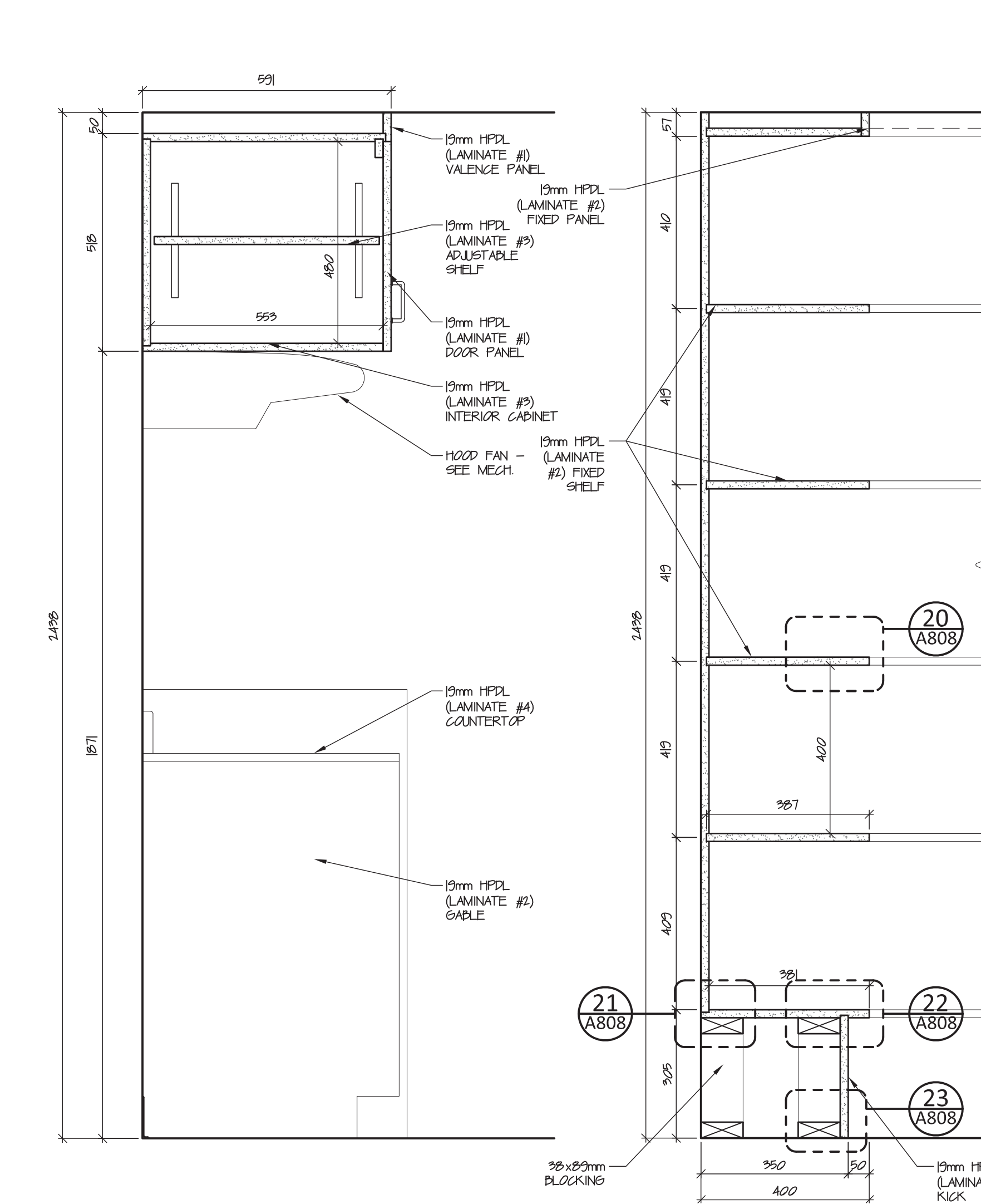
2 Library (Rm124) Shelving: Elevation
A807 scale 1:20



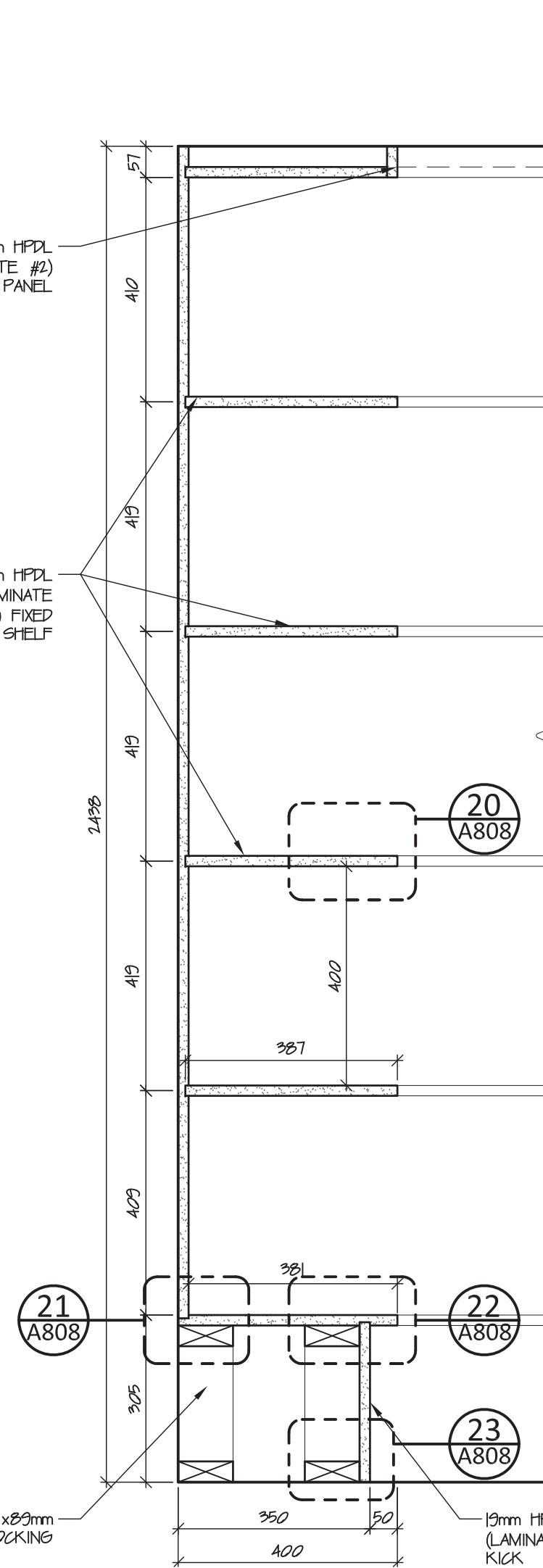
3 Copy (Rm125) Storage: Elevation
A807 scale 1:20



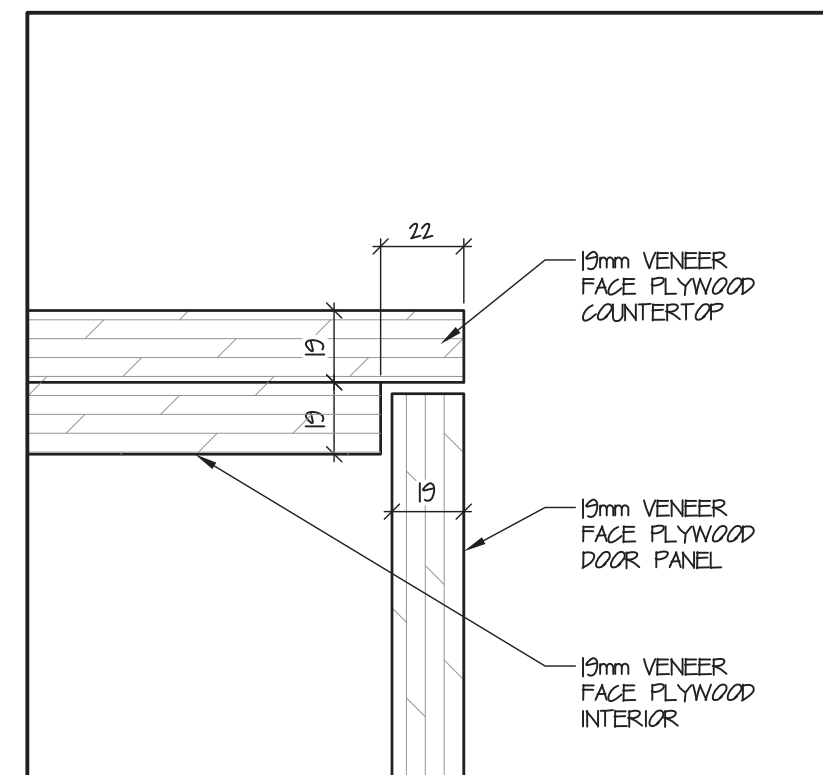
6 Boardroom Credenza
A807 scale 1:2



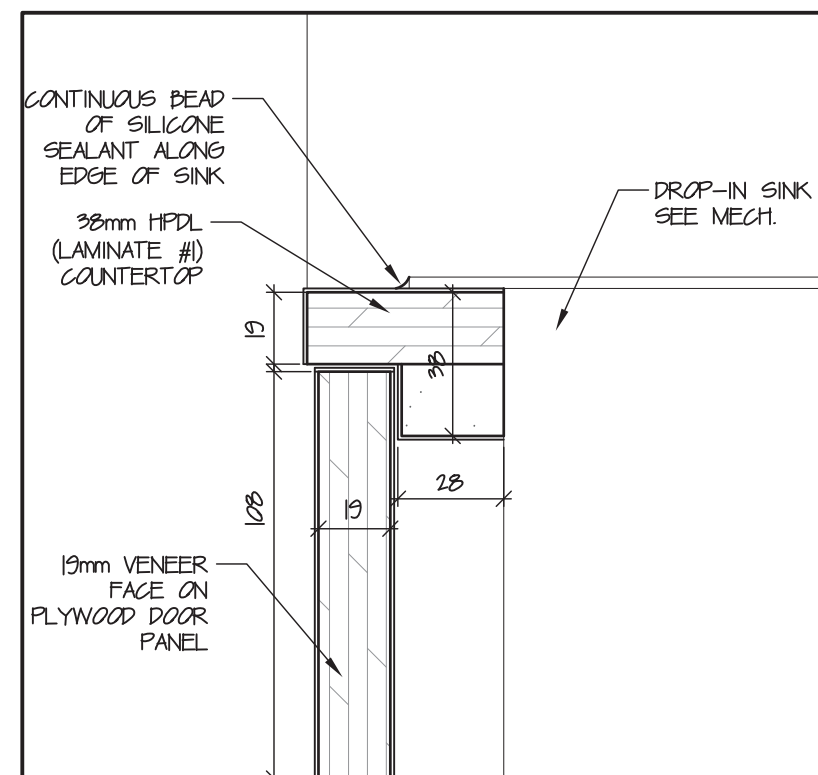
4 Staff Room (Rm122) Kitchen: Section
A807 scale 1:10



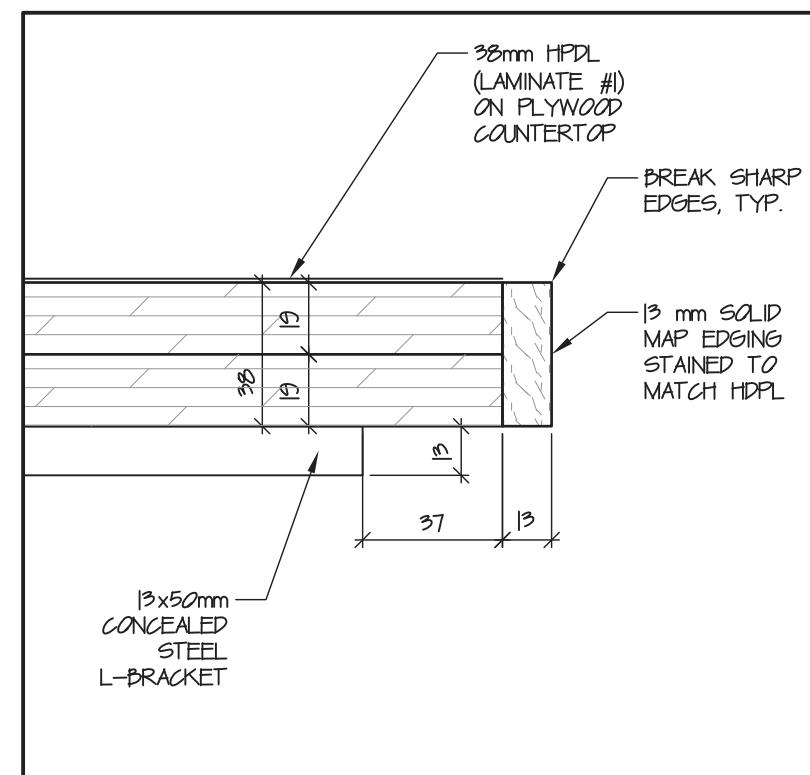
5 Library (Rm124) Shelving: Section
A807 scale 1:10



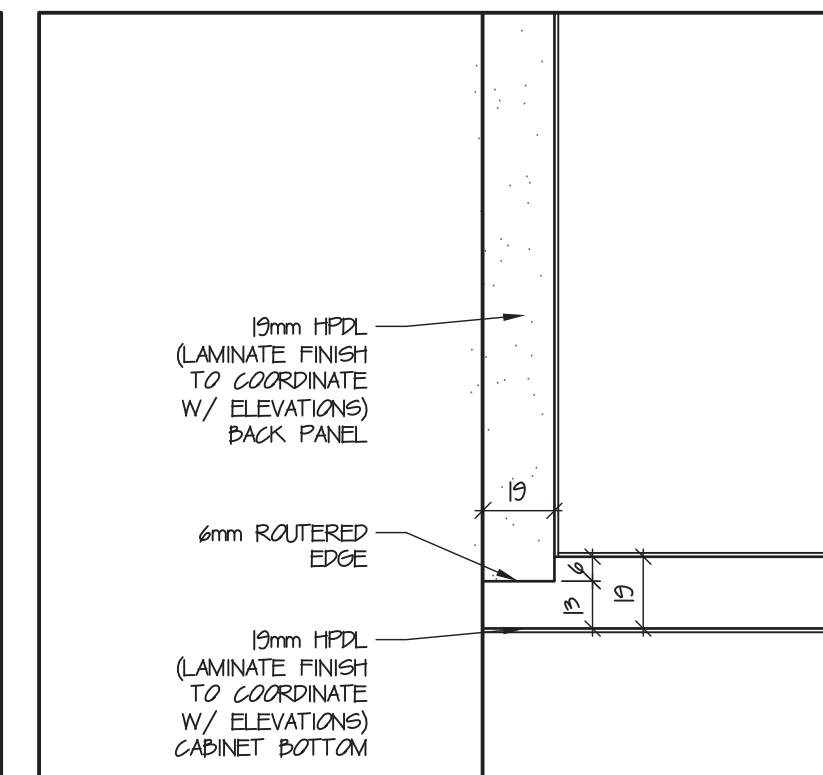
7 Boardroom Credenza
A807 scale 1:2



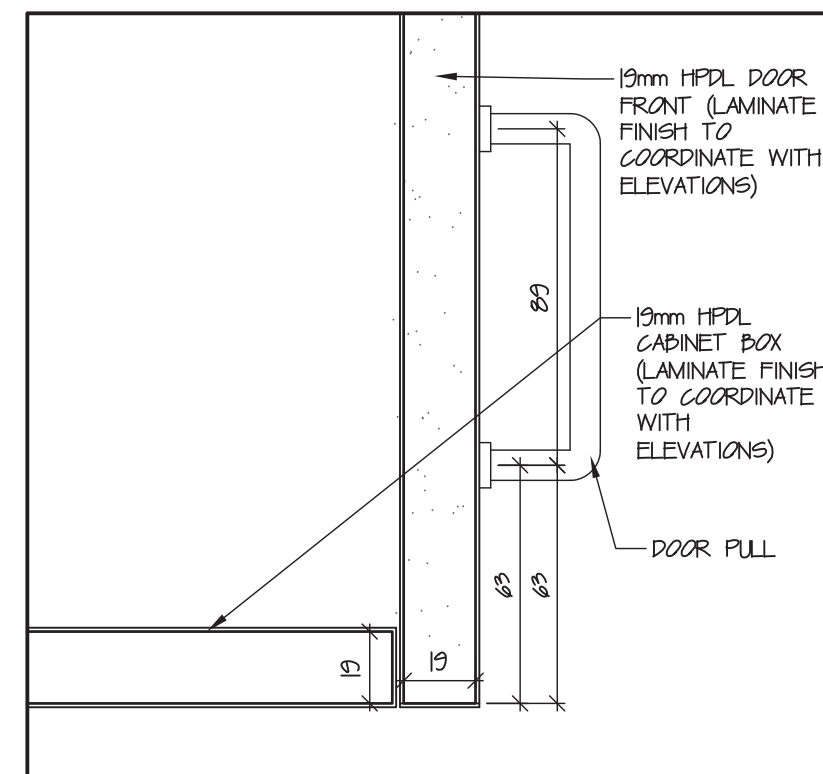
8 Coffee Station Sink
A807 scale 1:2



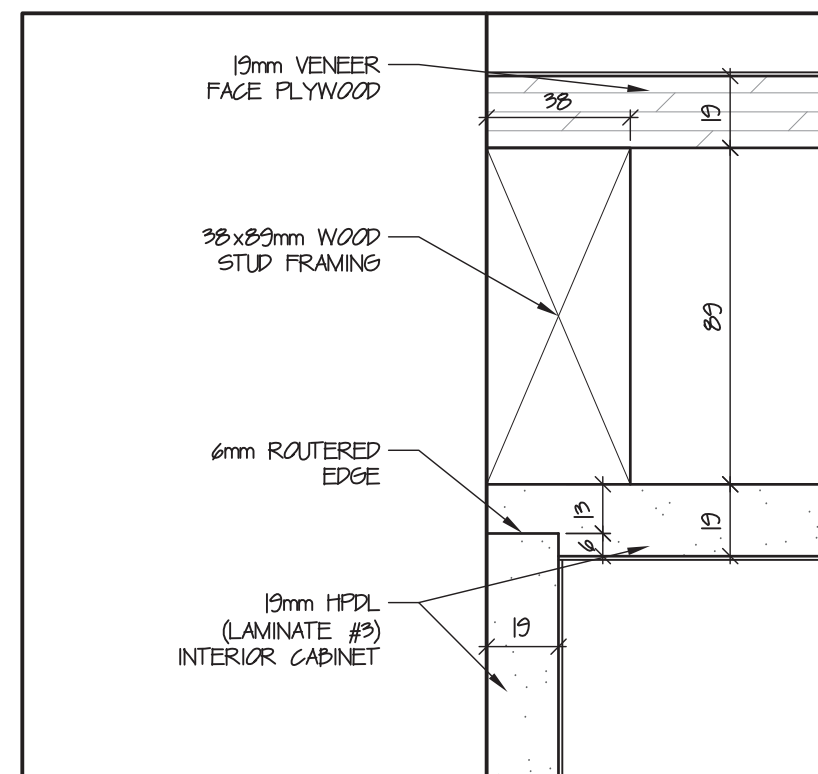
9 Computer Desk
A807 scale 1:2



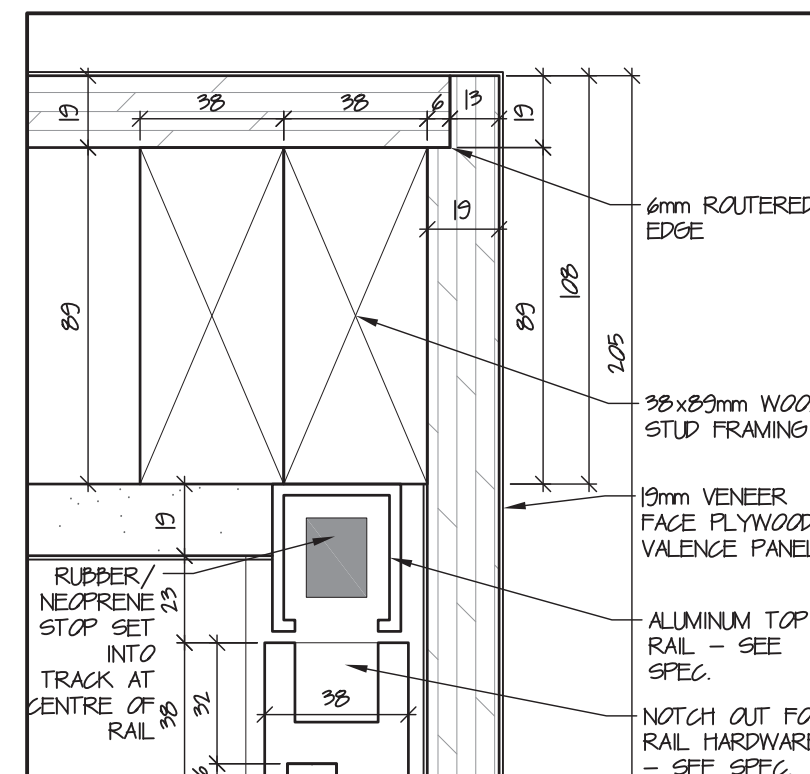
10 Typ. Cabinet Upper
A807 scale 1:2



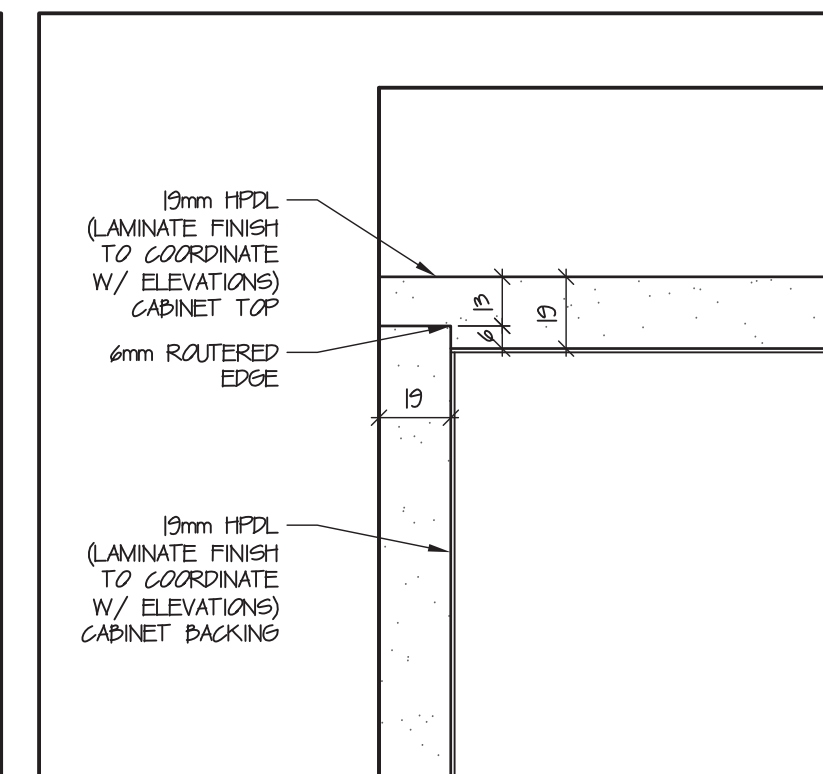
11 Typ. Cabinet Door
A807 scale 1:2



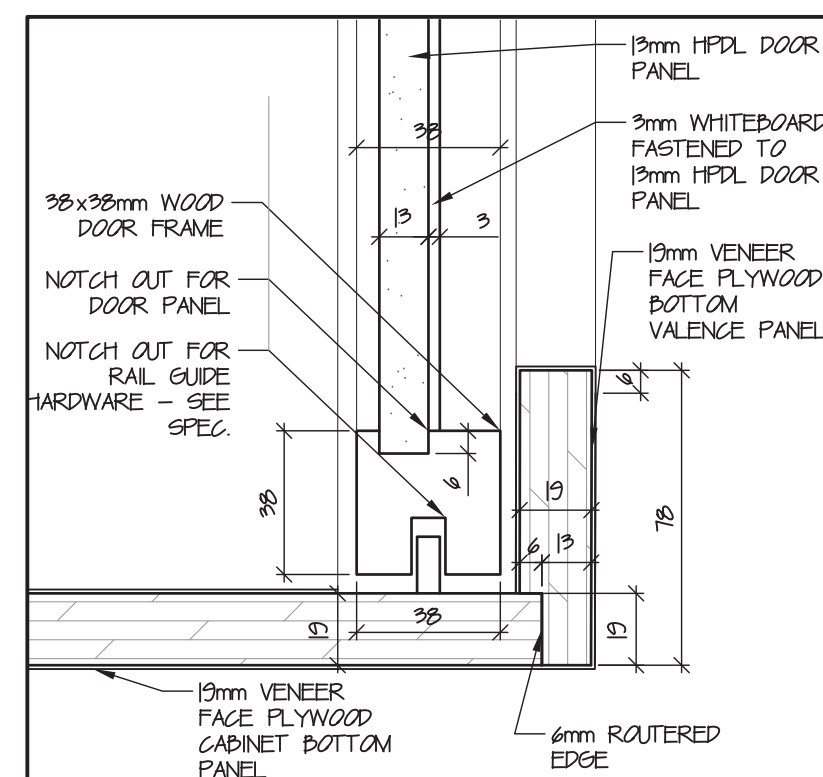
12 TV Cabinet
A807 scale 1:2



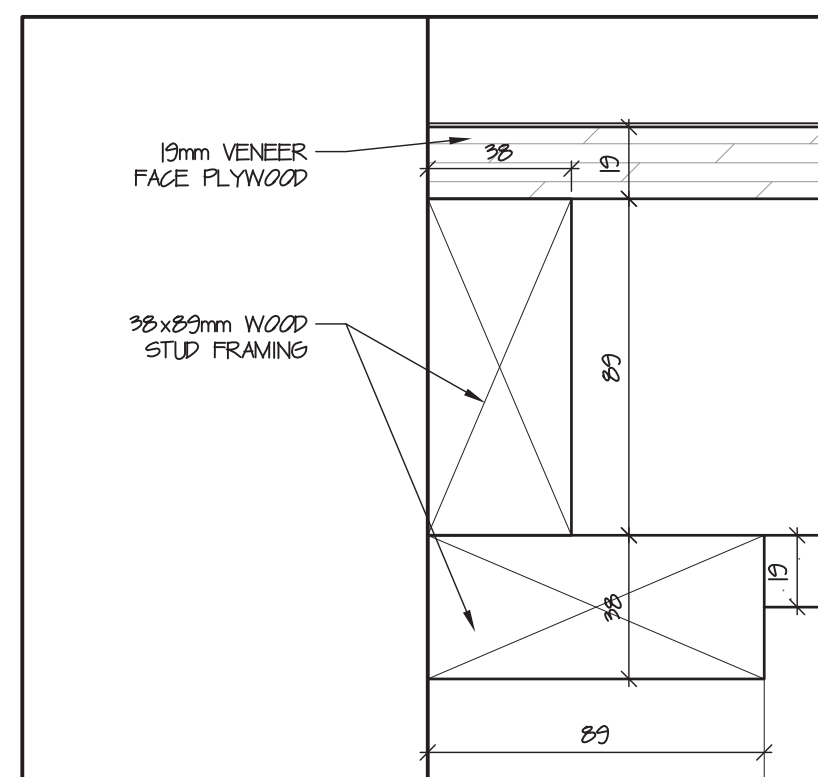
13 TV Cabinet
A807 scale 1:2



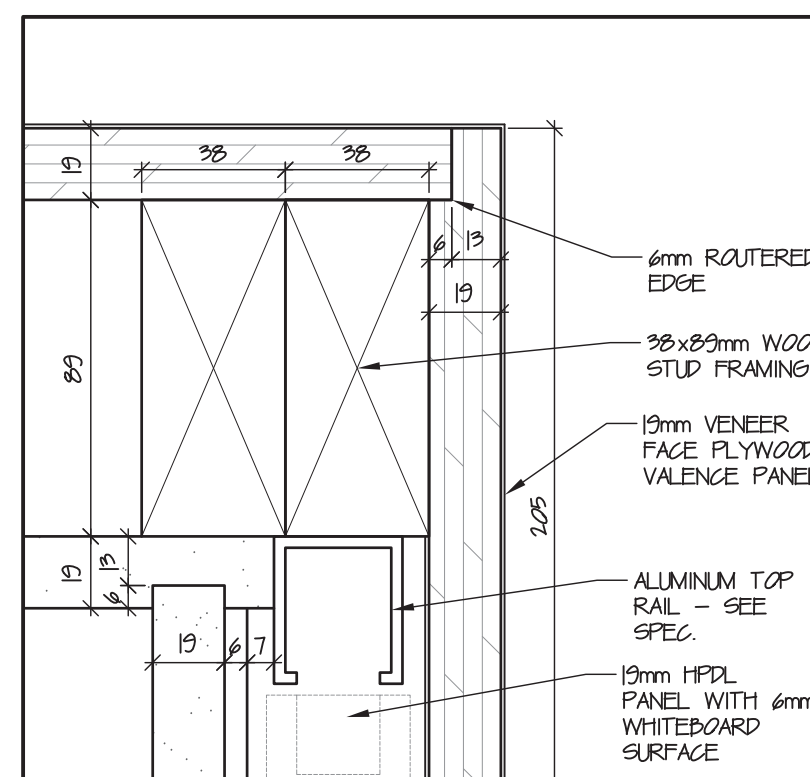
14 Typ. Cabinet Upper
A807 scale 1:2



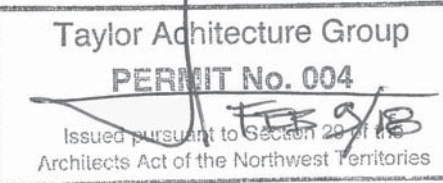
15 TV Cabinet
A807 scale 1:2



16 TV Cabinet
A807 scale 1:2



17 TV Cabinet
A807 scale 1:2



NOTES
REFER TO FINISH SCHEDULE 3/A203 FOR
LAMINATE COLOUR REFERENCE

NOT FOR CONSTRUCTION
ALL DIMENSIONS TO BE SITE VERIFIED BY CONTRACTOR

Revisions	Date	Description
2	09-Feb-18	Issued for Tender
1	02-Feb-18	100% Construction Documents
#	Date	Description
Revisions		
Date:		
January 19, 2018		

Project:
**NUNAVUT WATER BOARD
New Office Building**

Gjoa Haven, NU

project north true north	Design by: S.T.
	Drawing by: T.F.
	Scale: As Noted

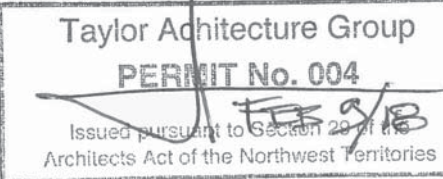
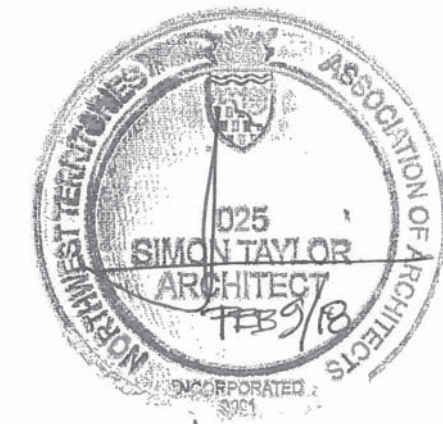
Sheet name:
**Millwork Elevations,
Sections, & Details**

Project #

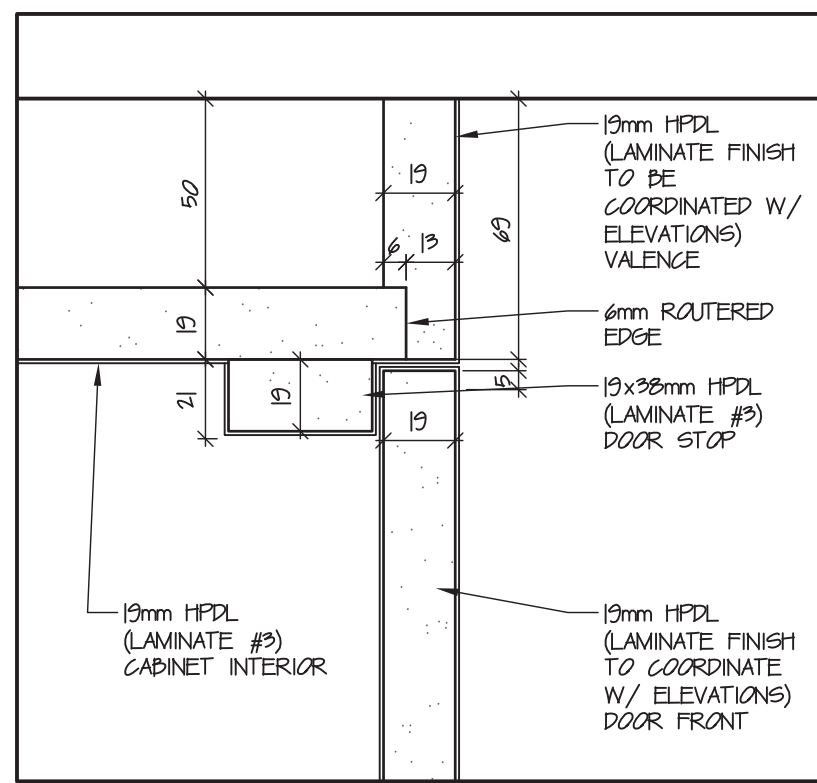
17-017

Drawing #

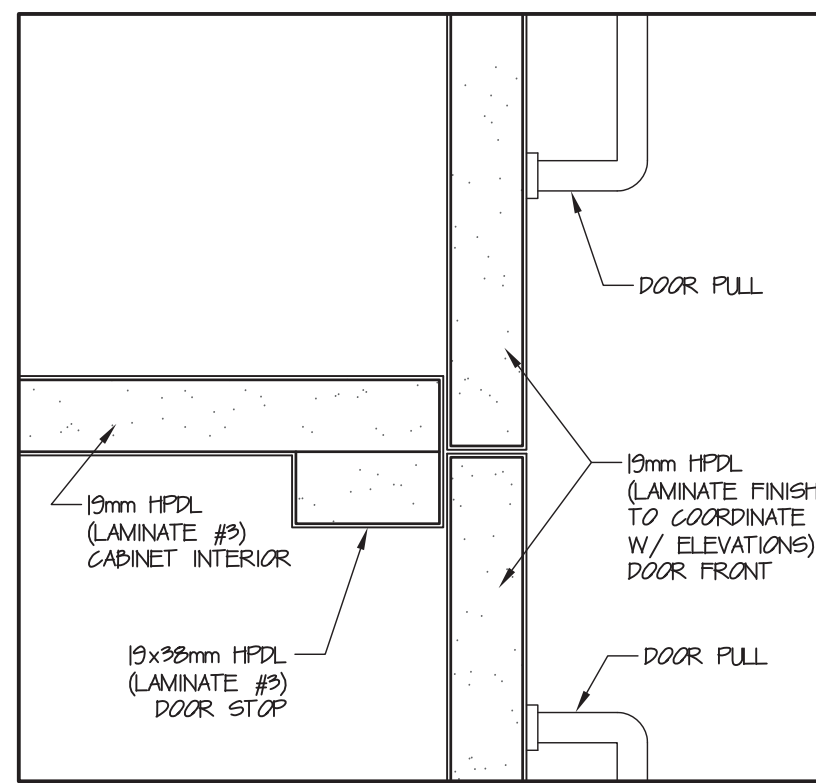
A807



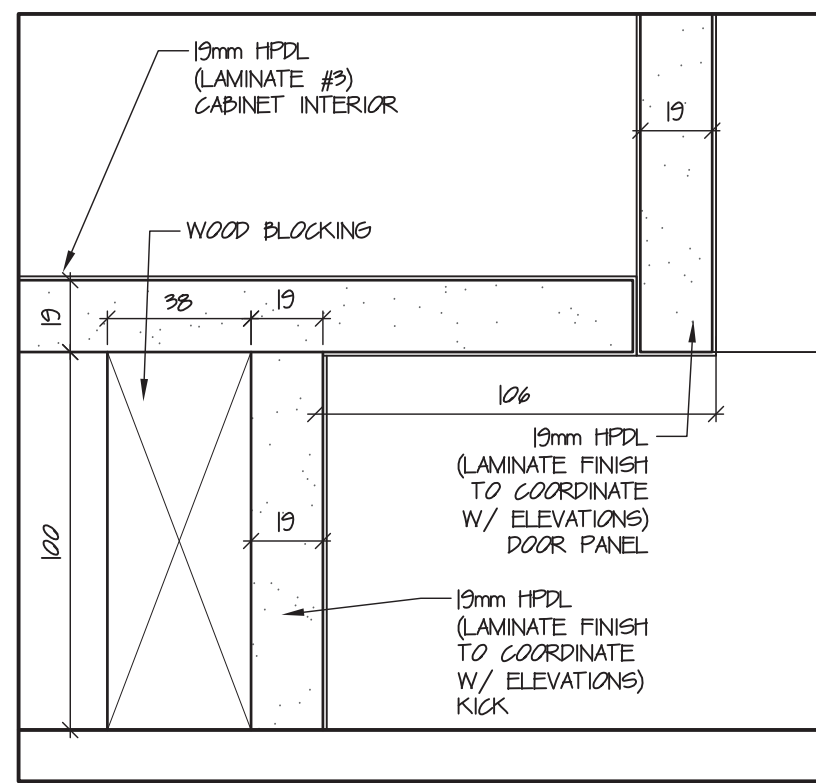
NOTES
REFER TO FINISH SCHEDULE 3/A203 FOR
LAMINATE COLOUR REFERENCE



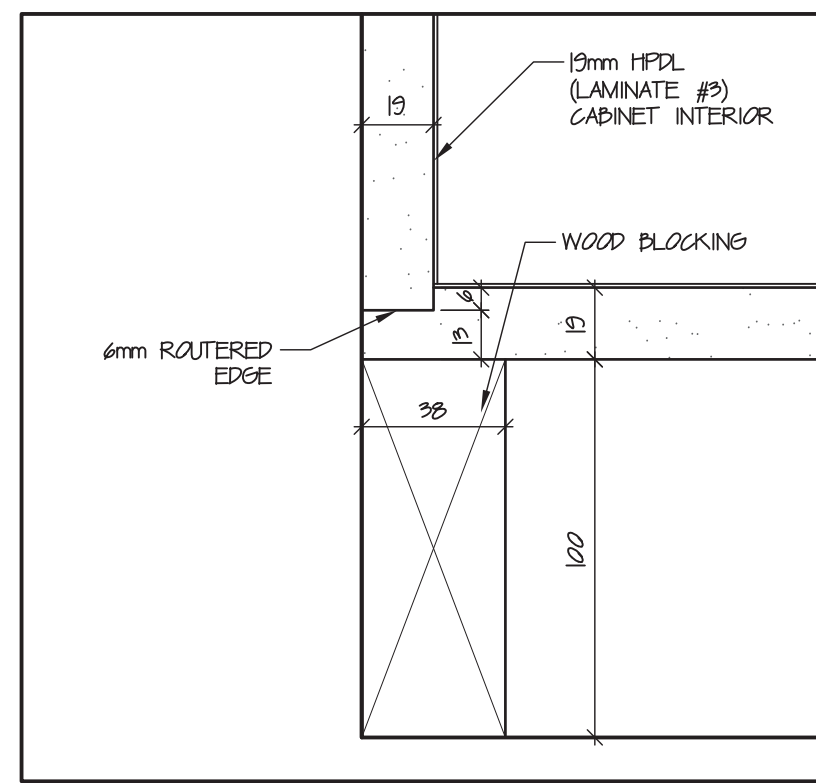
1 Typ. Cabinet Valence
A808/ scale 1:2



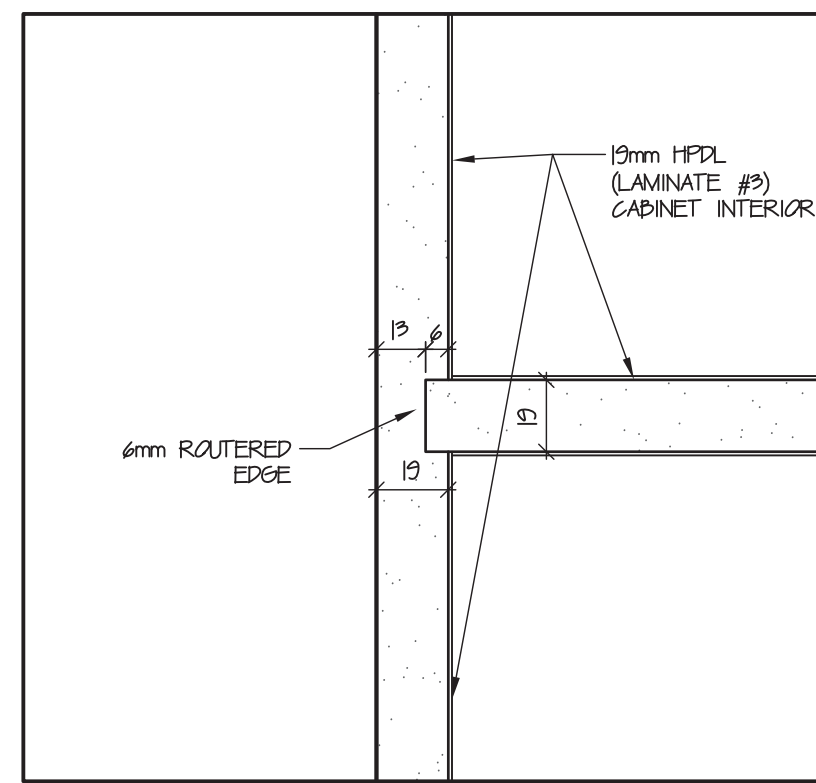
2 Typ. Full Height Cabinet Doors
A808/ scale 1:2



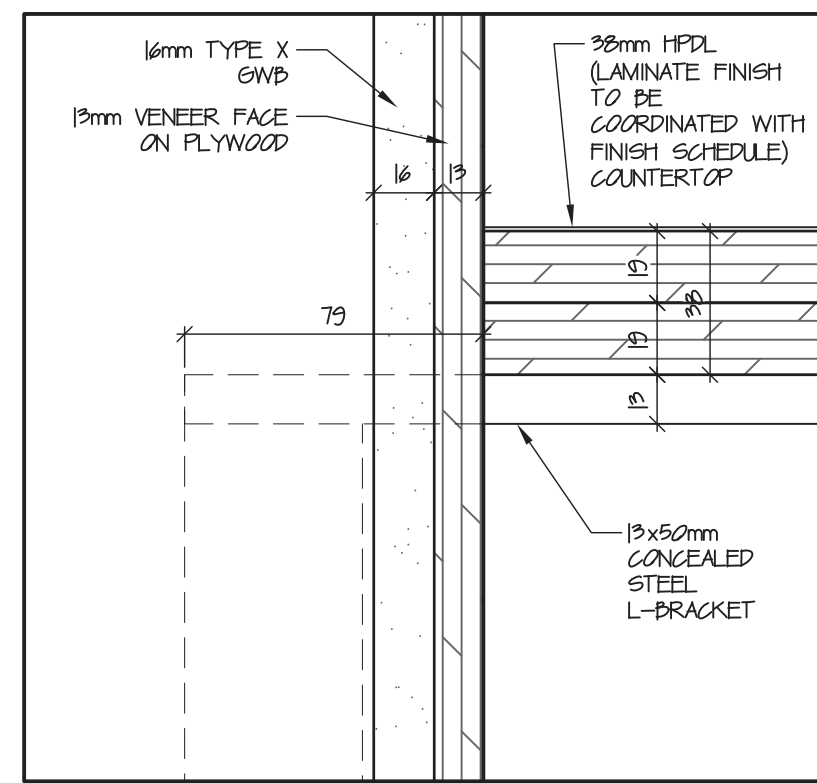
3 Typ. Cabinet Base Kick
A808/ scale 1:2



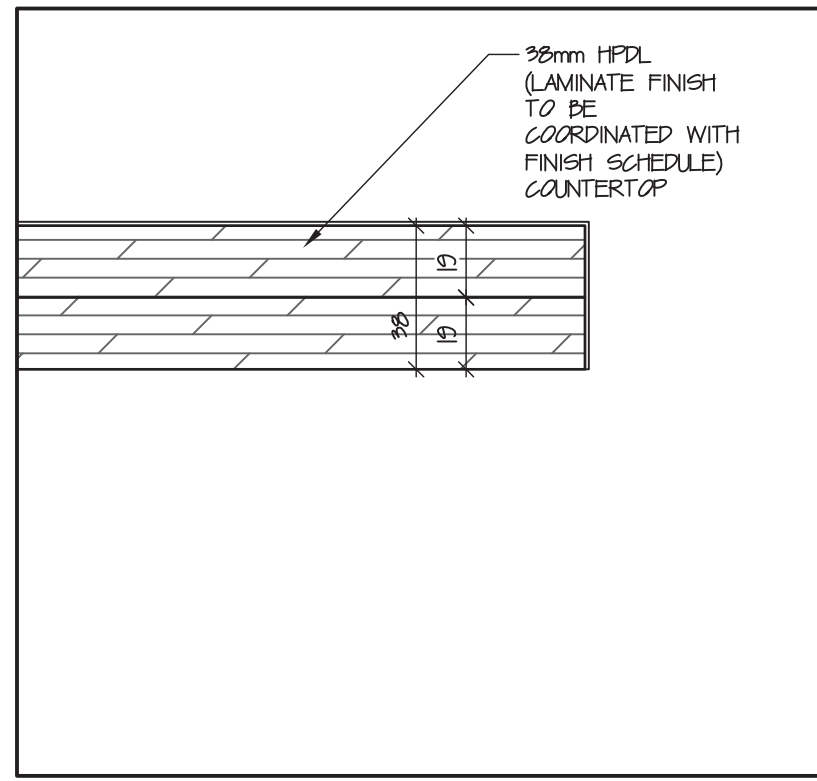
4 Typ. Cabinet Base
A808/ scale 1:2



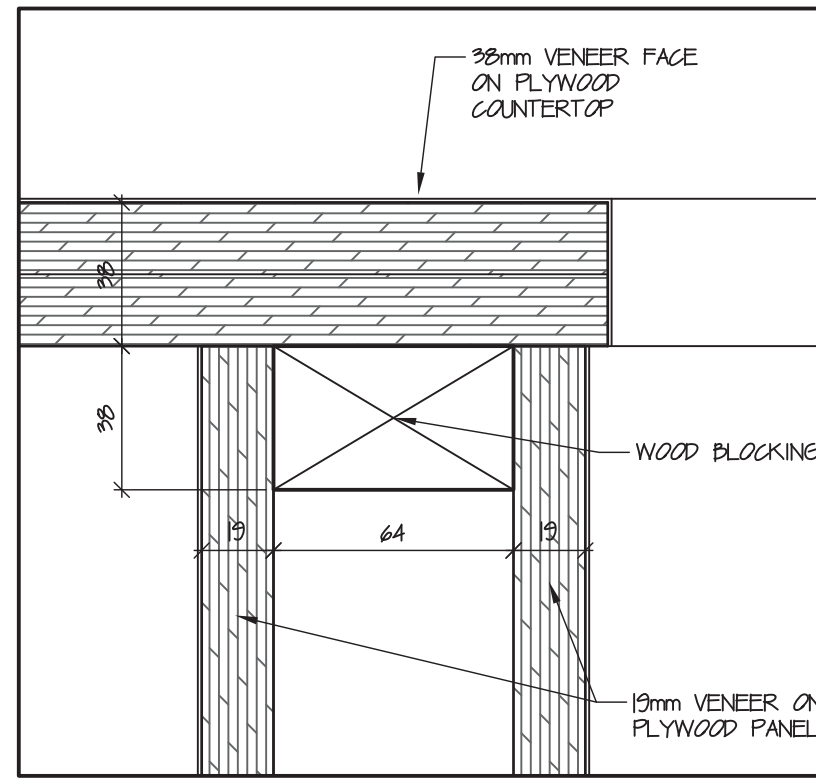
5 Typ. Cabinet Fixed Shelf
A808/ scale 1:2



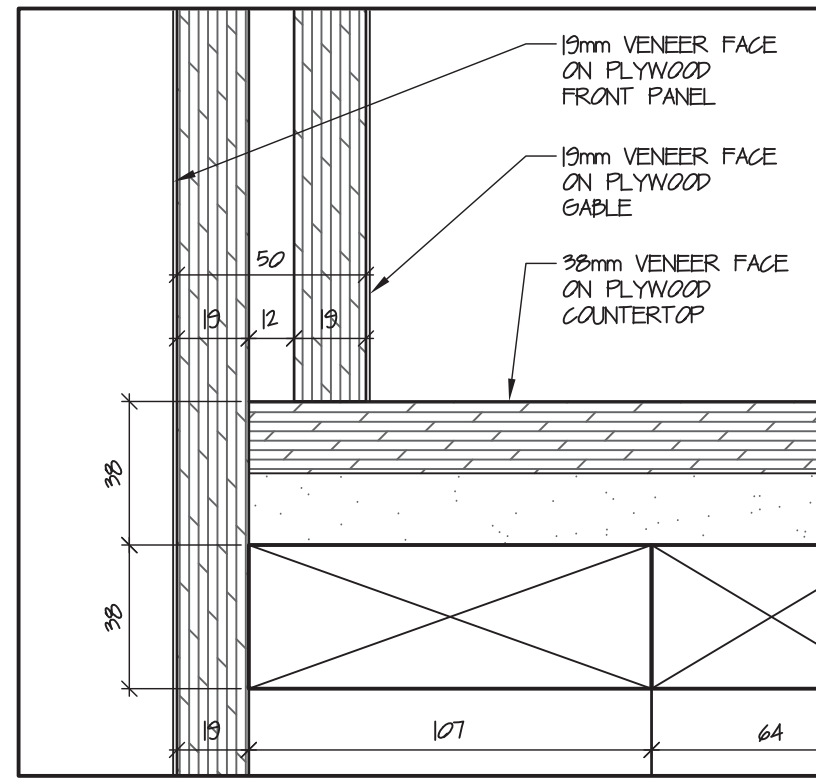
6 Typ. Floating Worksurface
A808/ scale 1:2



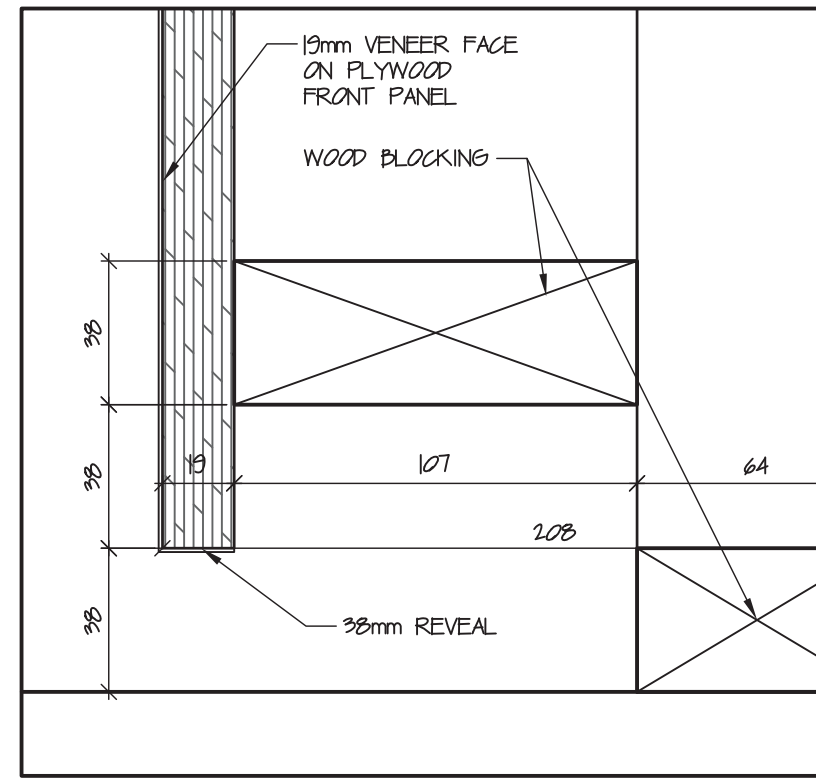
7 Typ. Floating Worksurface
A808/ scale 1:2



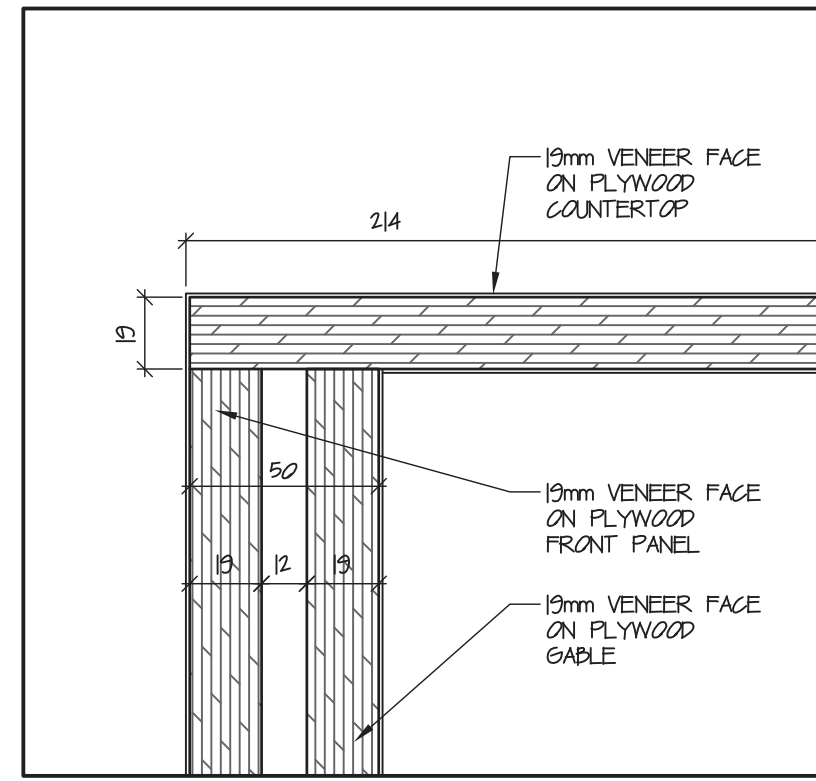
8 Reception Desk BF Worksurface
A808/ scale 1:2



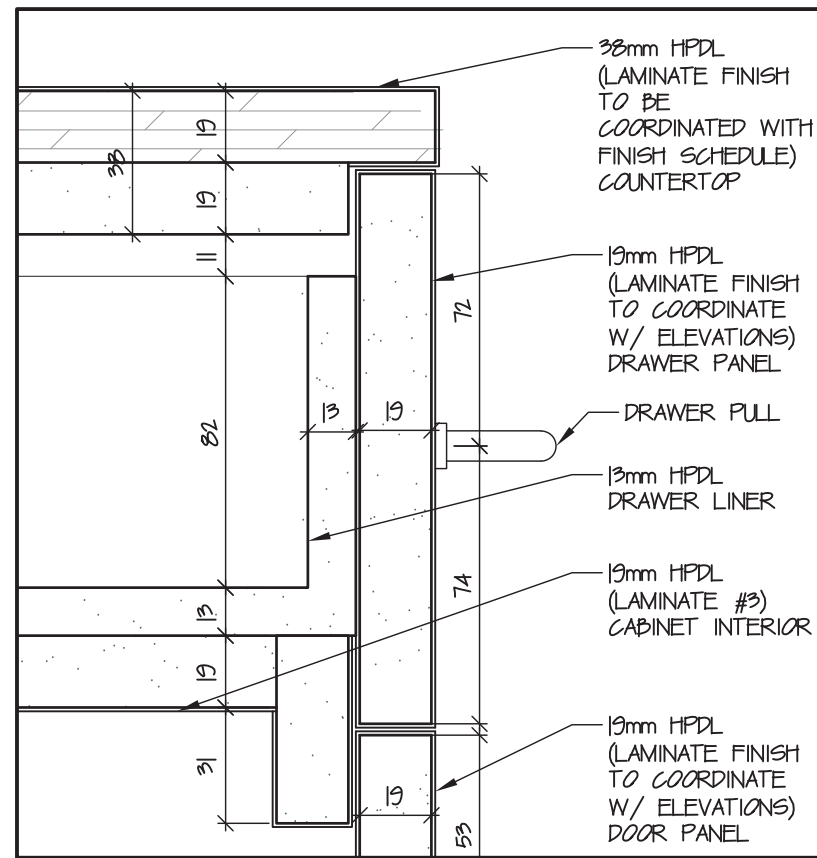
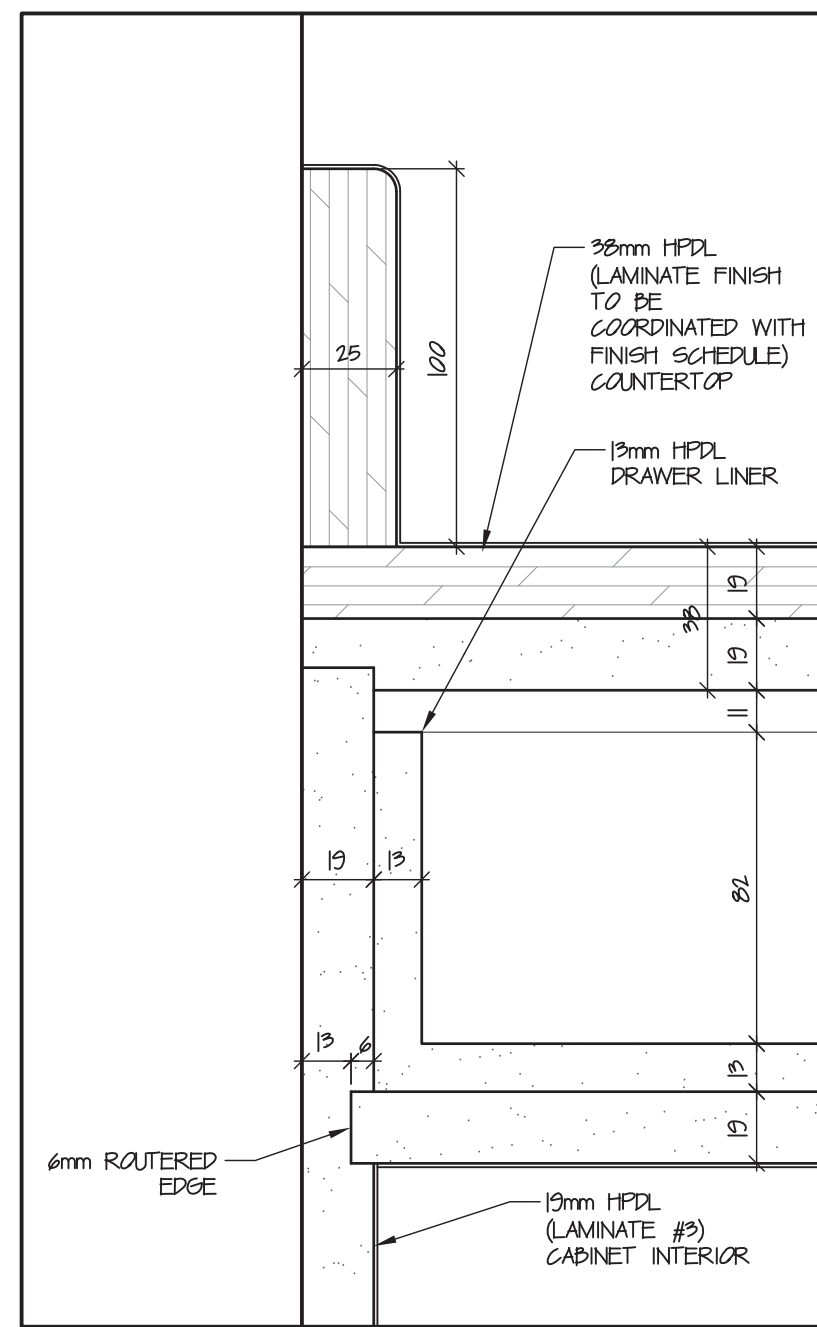
9 Reception Desk: Worksurface
A808/ scale 1:2



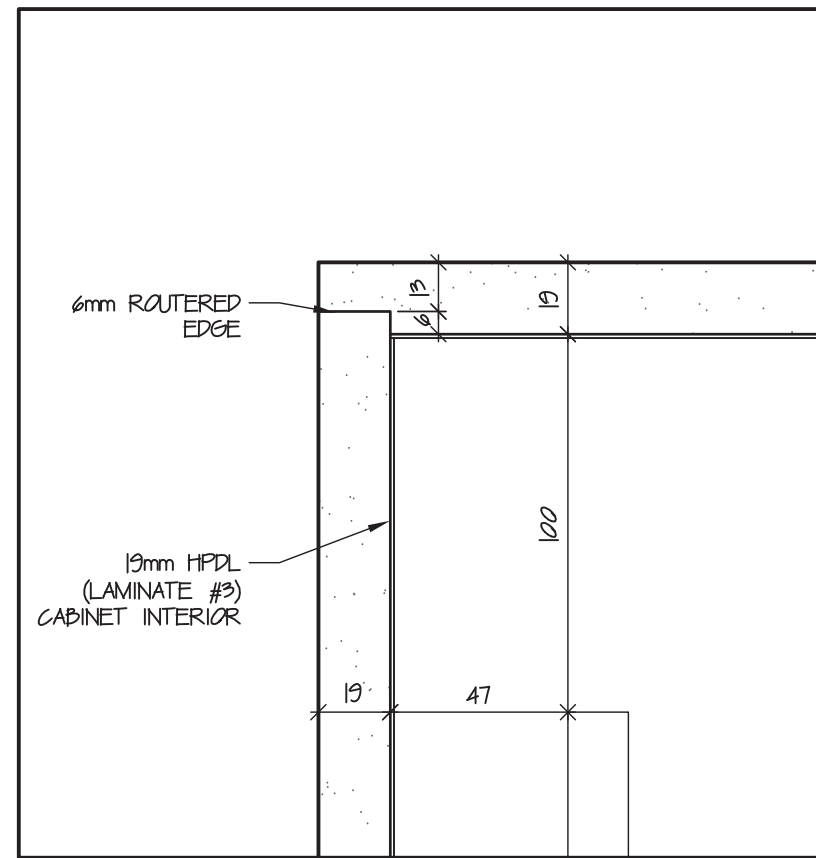
10 Reception Desk Base
A808/ scale 1:2



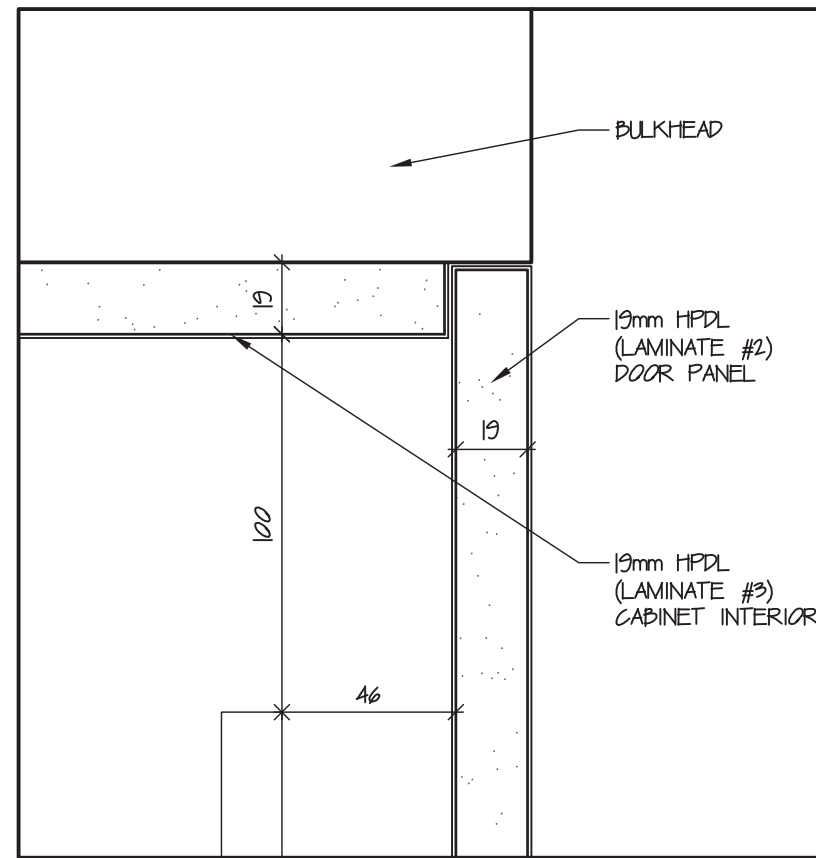
11 Reception Desk Counter
A808/ scale 1:2



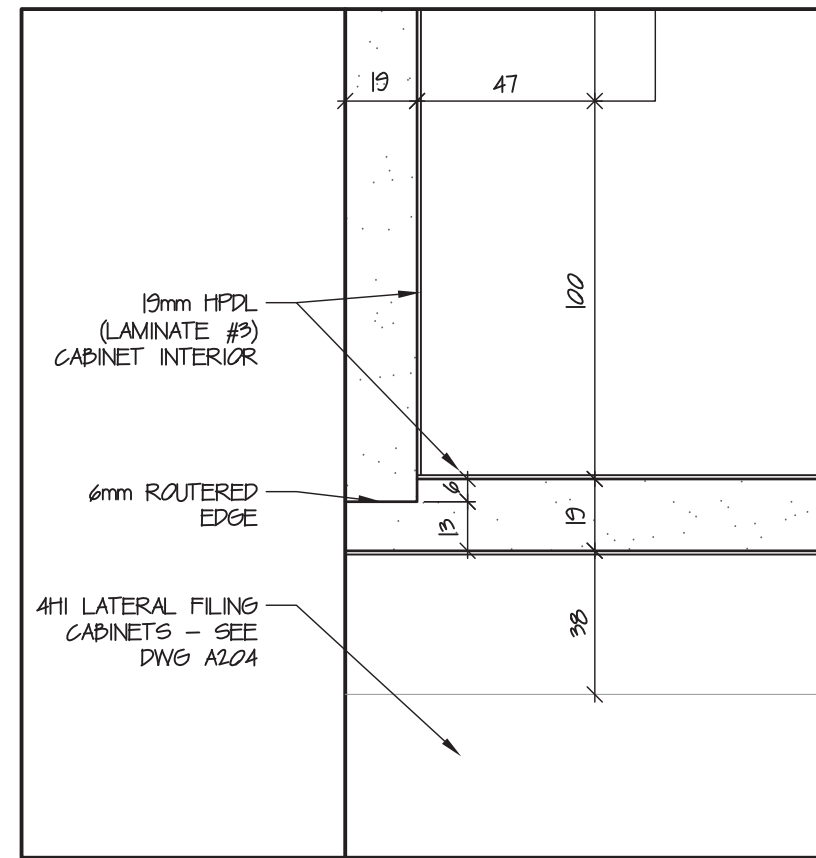
12 Typ. Drawer
A808/ scale 1:2



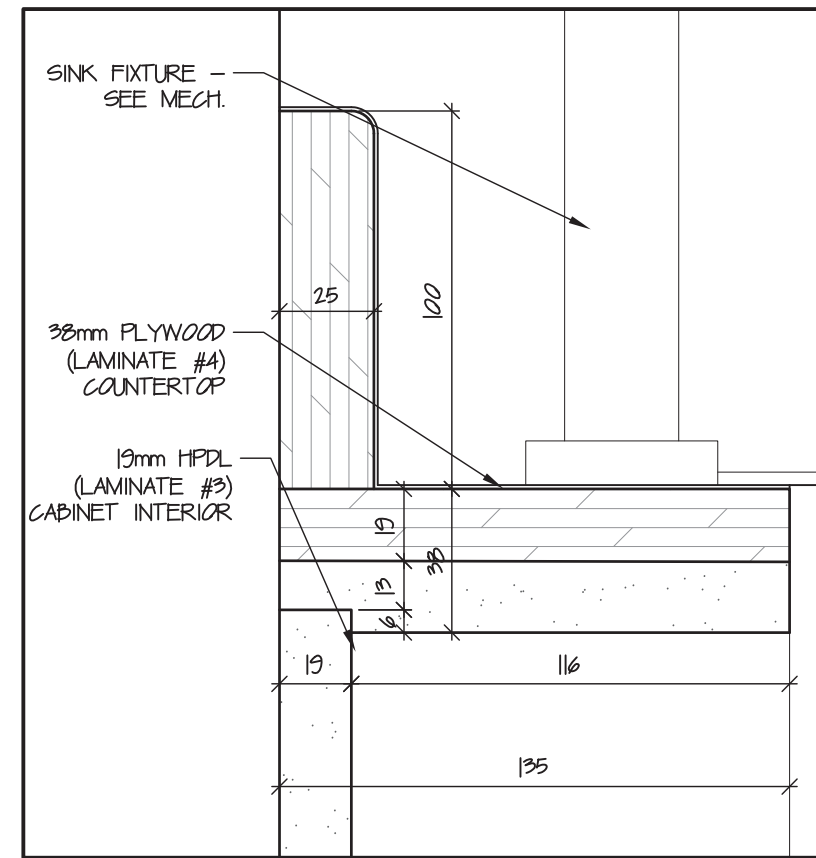
13 Filing Storage Upper Back
A808/ scale 1:2



14 Filing Storage Upper Front
A808/ scale 1:2

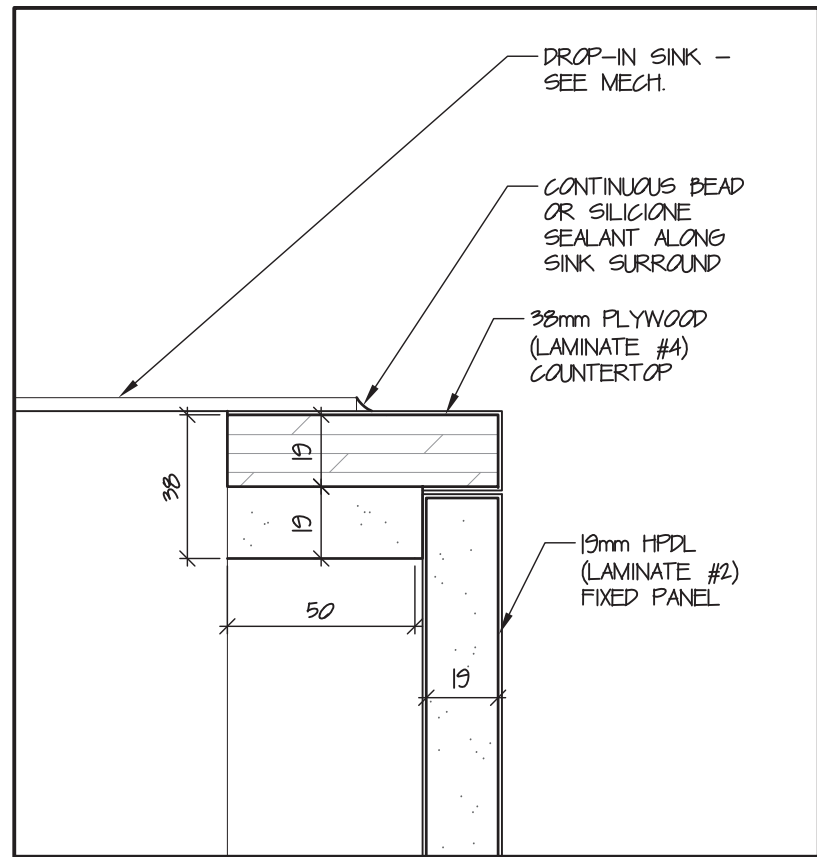


15 Filing Storage Lower Back
A808/ scale 1:2

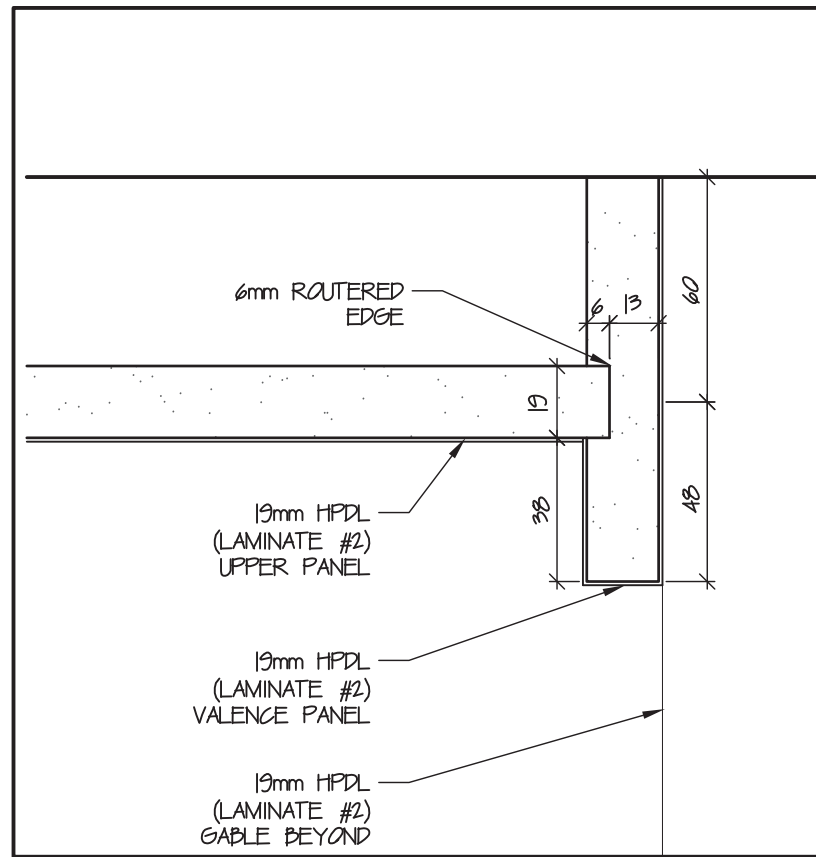


16 Staff Room Sink
A808/ scale 1:2

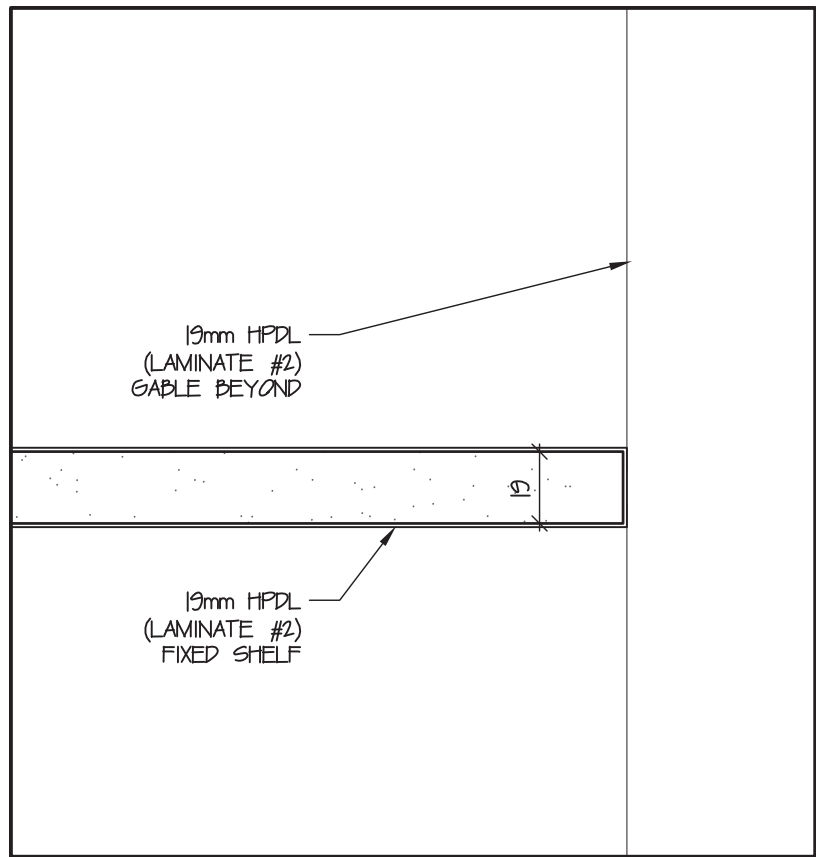
17 Typ. Drawer
A808/ scale 1:2



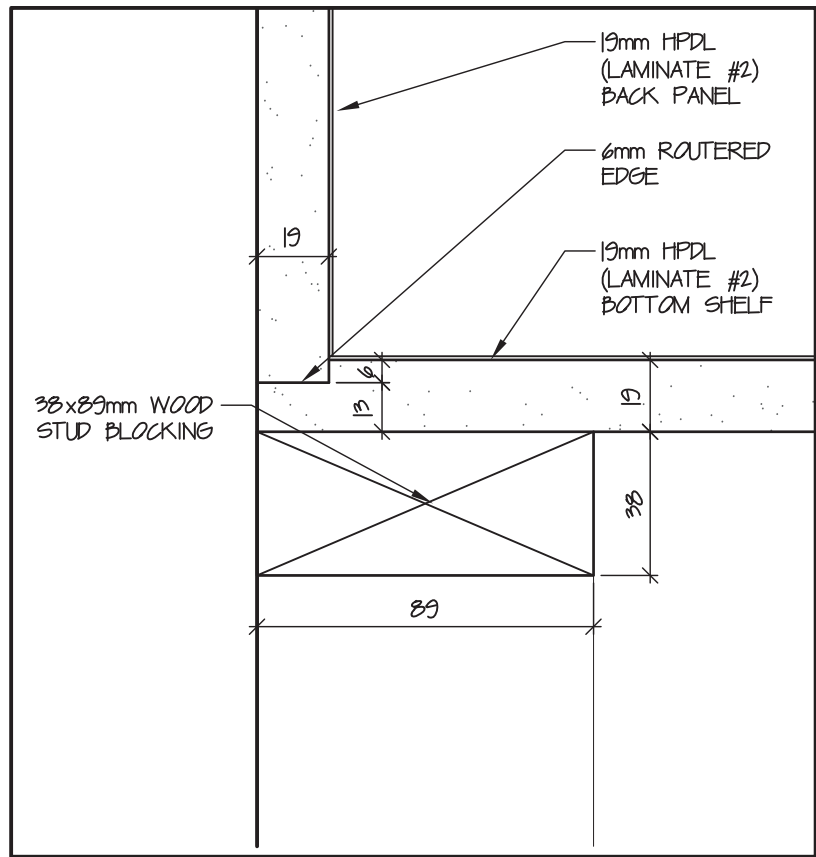
18 Staff Room Sink
A808/ scale 1:2



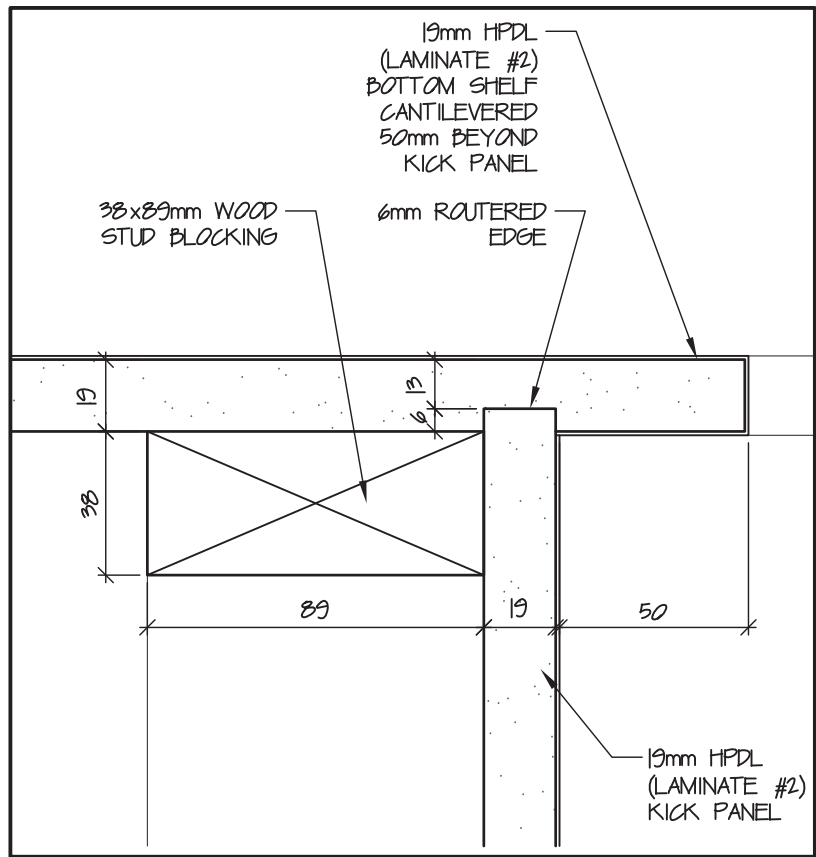
19 Library Shelving Upper
A808/ scale 1:2



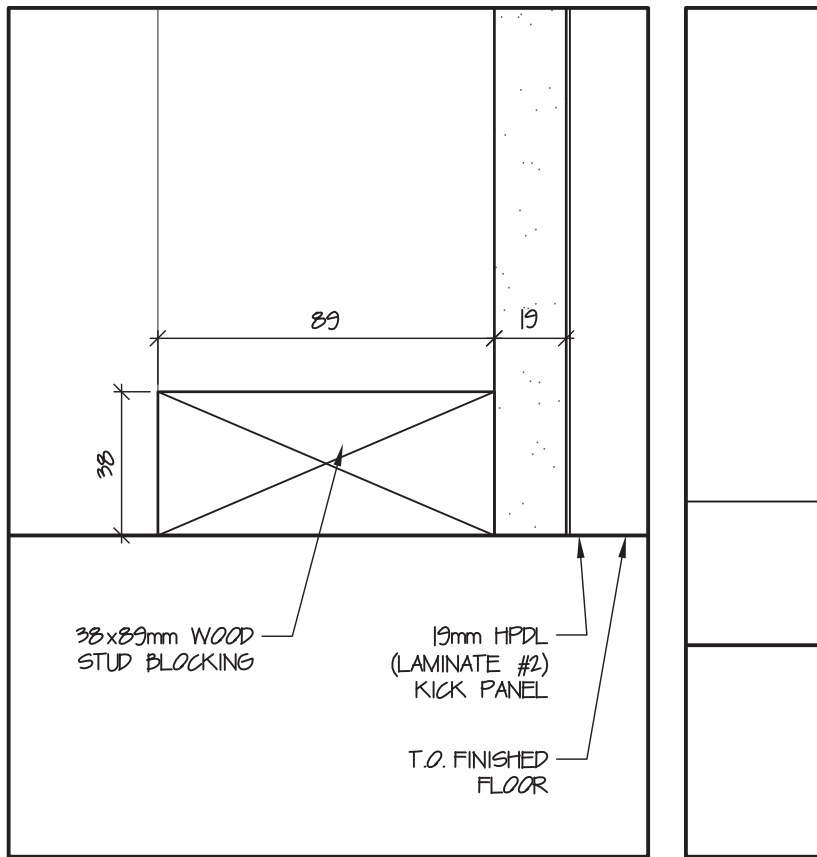
20 Typ. Open Shelving
A808/ scale 1:2



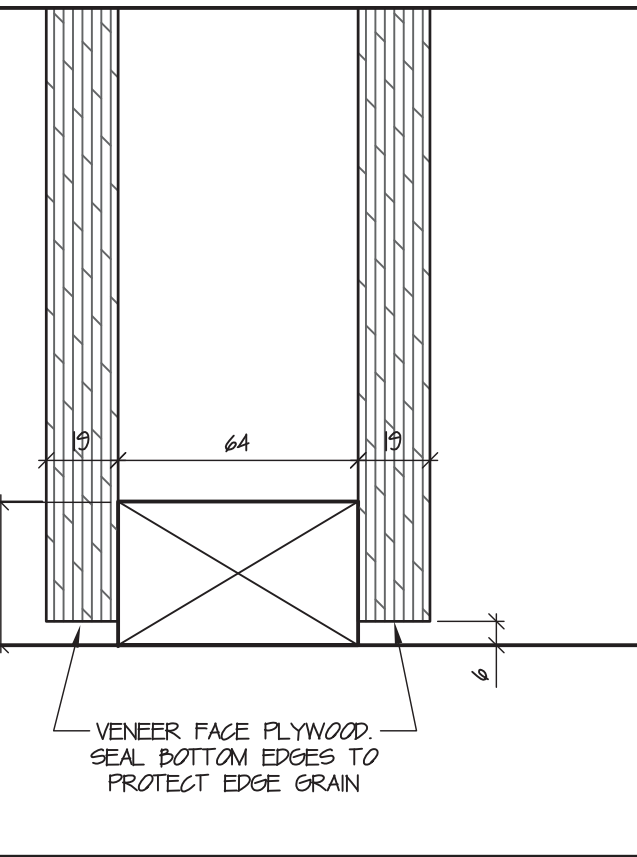
21 Library Shelving Base
A808/ scale 1:2



22 Library Shelving Base
A808/ scale 1:2



23 Library Shelving Base
A808/ scale 1:2



24 Lwr Base of Barrier Free Counter
A808/ scale 1:2

NOT FOR CONSTRUCTION
ALL DIMENSIONS TO BE SITE VERIFIED BY CONTRACTOR

Revisions	Date	Description
2	09-Feb-18	Issued for Tender
1	02-Feb-18	100% Construction Documents
#	Date	Description
Revisions		
Date: January 25, 2018		

Project:
**NUNAVUT WATER BOARD
NEW OFFICE BUILDING**

Gjoa Haven, NU

project north true north	Design by: S.T.
	Drawing by: T.F.
	Scale: As Noted

Sheet name:

Millwork Details

Project #

17-017

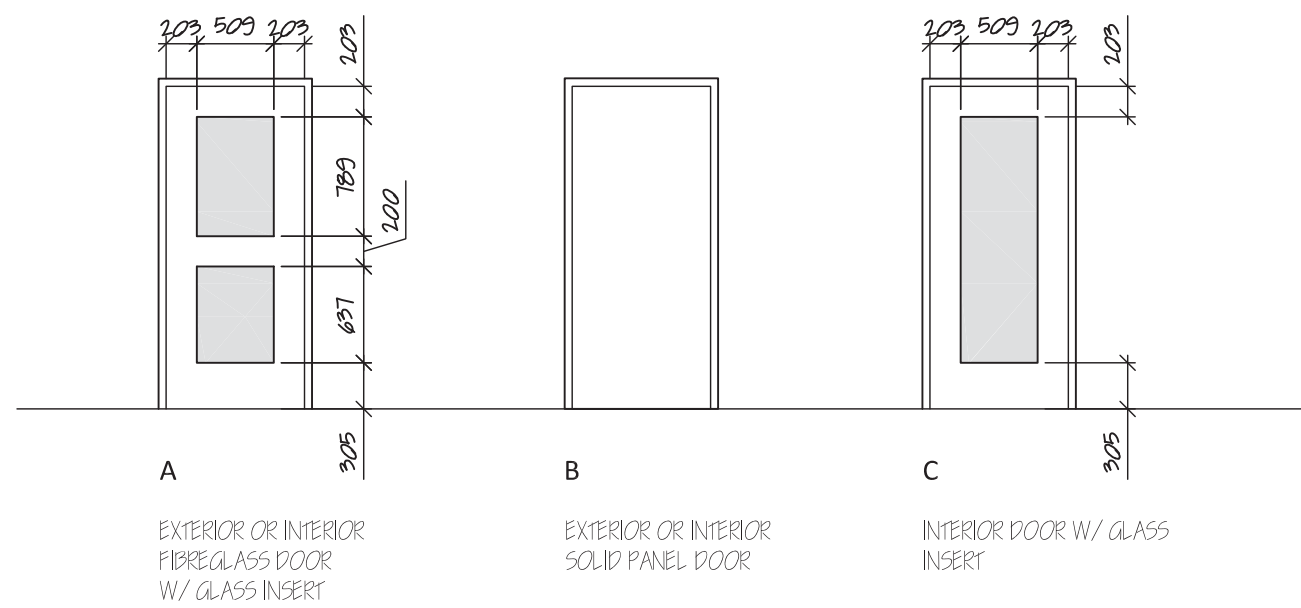
Drawing #

A808

Door #	Type	Door				Frame		Rating	Hardware Heading	Notes
		Size (WxH)	Material	Finish	Glass	Material	Finish			
1	A	915x2134	FIBREGLASS	CLEAR	TRIPLE PANE	FIBREGLS	CLEAR	-	001	THERMALLY BROKEN W/ INSULATION & WEATHER STRIPPING BARRIER FREE DOOR OPERATOR
2	A	915x2134	FIBREGLASS	CLEAR	12mm TEMPERED	FIBREGLS	CLEAR	-	002	INTERIOR VESTIBULE DOOR BARRIER FREE DOOR OPERATOR
3	C	915x2134	S.C. WOOD	PAINTED	12mm TEMPERED	WOOD	PAINTED	-	003	DOOR INSET INTO GLASS WALL. CUSTOM FRAME. SEE INTERIOR ELEVATIONS & A501 FOR DETAILS
4	B	863x2134	S.C. WOOD	PAINTED	-	WOOD	PAINTED	-	004	-
5	B	915x2134	S.C. WOOD	PAINTED	-	WOOD	PAINTED	-	005	-
6	B	915x2134	S.C. WOOD	PAINTED	-	WOOD	PAINTED	-	006	DOOR INSET INTO GLASS WALL. SEE INTERIOR ELEVATIONS & A501 FOR DETAILS
7	B	915x2134	S.C. WOOD	PAINTED	-	WOOD	PAINTED	-	007	-
8	B	915x2134	S.C. WOOD	PAINTED	-	WOOD	PAINTED	-	007	-
9	B	915x2134	S.C. WOOD	PAINTED	-	WOOD	PAINTED	-	007	-
10	B	915x2134	S.C. WOOD	PAINTED	-	METAL	PAINTED	45 MIN	011	-
11	B	915x2134	METAL	PAINTED	-	METAL	PAINTED	-	012	INSULATED METAL DOOR, THERMALLY BROKEN W/ WEATHER STRIPPING
12	B	915x2134	S.C. WOOD	PAINTED	-	METAL	PAINTED	45 MIN	009	-
13	B	915x2134	METAL	PAINTED	-	METAL	PAINTED	-	013	INSULATED METAL DOOR, THERMALLY BROKEN W/ WEATHER STRIPPING
14	B	915x2134	H. METAL	PAINTED	-	METAL	PAINTED	-	010	-
15	B	915x2134	H. WOOD	PAINTED	-	WOOD	PAINTED	-	008	-
16	B	915x2134	H. WOOD	PAINTED	-	WOOD	PAINTED	-	008	-
17	B	915x2134	S.C. WOOD	PAINTED	-	WOOD	PAINTED	-	008A	WEATHER STRIPPING AT DOOR BASE
18	B	915x2134	S.C. WOOD	PAINTED	-	METAL	PAINTED	45 MIN	010A	-
19	B	863x2134	S.C. WOOD	PAINTED	-	WOOD	PAINTED	-	014	-
20	B	863x2134	S.C. WOOD	PAINTED	-	WOOD	PAINTED	-	014	-
21	A	915x2134	FIBREGLASS	CLEAR	TRIPLE PANE	FIBREGLS	CLEAR	-	015	-
22	B	915x2134	S.C. WOOD	PAINTED	-	WOOD	PAINTED	-	007	DOOR INSET INTO GLASS WALL. SEE INTERIOR ELEVATIONS & A501 FOR DETAILS
23	B	915x2134	H. WOOD	PAINTED	-	WOOD	PAINTED	-	007	-
24	B	915x2134	S.C. WOOD	PAINTED	-	WOOD	PAINTED	-	007	-
25	B	915x2134	S.C. WOOD	PAINTED	-	WOOD	PAINTED	-	007	-
26	B	915x2134	S.C. WOOD	PAINTED	-	WOOD	PAINTED	-	007	-
27	B	915x2134	S.C. WOOD	PAINTED	-	WOOD	PAINTED	-	007	-
28	B	915x2134	S.C. WOOD	PAINTED	-	WOOD	PAINTED	-	007	-
29	B	915x2134	S.C. WOOD	PAINTED	-	WOOD	PAINTED	-	007	-
30	B	915x2134	S.C. WOOD	PAINTED	-	WOOD	PAINTED	-	007	-
31	B	915x2134	S.C. WOOD	PAINTED	-	METAL	PAINTED	45 MIN	011	-
32	B	915x2134	METAL	PAINTED	-	METAL	PAINTED	-	012	THERMALLY BROKEN W/ INSULATION & WEATHER STRIPPING
33	B	915x2134	S.C. WOOD	PAINTED	-	WOOD	PAINTED	-	007	-
34	B	915x2134	S.C. WOOD	PAINTED	-	WOOD	PAINTED	-	007	-
35	B	915x2134	S.C. WOOD	PAINTED	-	WOOD	PAINTED	-	007	-
36	B	915x2134	S.C. WOOD	PAINTED	-	WOOD	PAINTED	-	007	-
37	B	915x2134	S.C. WOOD	PAINTED	-	WOOD	PAINTED	-	007	-

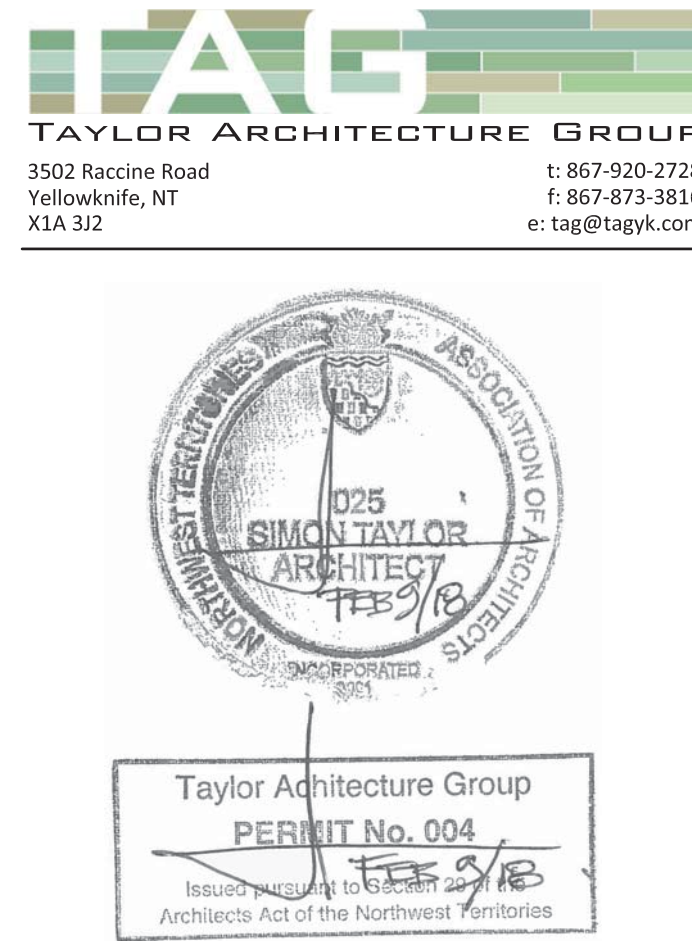
1 Door Schedule
A901 NTS

(A901) NTS



2 Door Types
A901 1:50

(A901)	1:50
--------	------



STRUCTURAL NOTES

GENERAL

- ALL CONSTRUCTION IS TO CONFORM TO THE NATIONAL BUILDING CODE (2015).
- ALL REFERENCES TO CONSTRUCTION STANDARDS NOTED ON THESE DRAWINGS REFER TO THE LATEST REVISED ISSUE.
- THE DRAWING PREPARED BY McELHANNEY CONSULTING SERVICES LTD. (McELHANNEY) ARE INTENDED FOR STRUCTURAL REQUIREMENTS OF THIS PROJECT ONLY. ALL OTHER ASPECTS ASSOCIATED WITH THIS PROJECT WHICH INCLUDE, BUT ARE NOT LIMITED TO, ARCHITECTURAL, CIVIL, GEOTECHNICAL, MECHANICAL, ELECTRICAL, FIRE PROTECTION, OCCUPANT SAFETY, ACCESSIBILITY AND BUILDING ENVELOPE ARE TO BE DESIGNED, SPECIFIED AND APPROVED BY OTHERS AND ARE CONSIDERED BEYOND McELHANNEY SCOPE OF WORK.
- STRUCTURAL ELEMENTS PRESENTED ON THESE DRAWINGS ARE FOR PERMANENT STRUCTURE AND FOUNDATIONS ONLY. THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY AND CONSTRUCTION BRACING AND SUPPORT INCLUDING GEOTECHNICAL REQUIREMENTS UNTIL THE PROJECT IS COMPLETED.
- REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR DIMENSIONS, GRADES, FLOOR ELEVATIONS, ROOF SLOPES, AND FOR DIMENSIONS AND LOCATIONS OF DOORS, WINDOWS, RECESSES, SLEEVES, EQUIPMENT, SHAFTS, INSERTS, NAILERS, CHAMFERS, ETC. GRADES, ELEVATIONS AND SLOPES SHOWN ON STRUCTURAL DRAWINGS ARE FOR REFERENCE ONLY AND MUST BE CONFIRMED WITH ARCHITECTURAL DRAWINGS AND/OR SITE CONDITIONS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR DIMENSIONS TO BE CONFIRMED AND CORRELATED AT THE JOB SITE, FOR INFORMATION THAT PERTAINS SOLELY TO FABRICATION PROCESSES OR TO TECHNIQUES OF CONSTRUCTION AND INSTALLATION AND FOR COORDINATION OF THE WORK OF ALL SUB-TRADES.

REFERENCED DRAWINGS

- BUILDING LAYOUT AND STRUCTURAL SIZING IS BASED ON ARCHITECTURAL DESIGN DRAWINGS PREPARED BY TAYLOR ARCHITECTURAL GROUP. FILE # 17-017.
- McELHANNEY HAS RELIED ON THE ARCHITECTURAL DRAWING SET AS ACCURATE AND TRUE. McELHANNEY IS NOT RESPONSIBLE FOR ANY ERROR/OMISSIONS ON THESE DRAWINGS AS A RESULT OF ERRORS OR SUBSEQUENT CHANGES TO THE ARCHITECTURAL DRAWING SET OR UNKNOWN SITE AND AS-BUILT CONDITIONS.
- IF CHANGES ARE MADE TO THE LAYOUT OF THE BUILDING, OR SITE CONDITIONS VARY FROM ASSUMED, OR THE ASSUMED LOAD PATHS ARE ALTERED (RELOCATED POSTS, BEAMS, ETC), THE ARCHITECT AND STRUCTURAL ENGINEER SHOULD BE NOTIFIED SUCH THAT CHANGES CAN BE MADE TO THE DESIGN IF REQUIRED.
- McELHANNEY ASSUMES NO RESPONSIBILITY FOR FIELD REVIEWS OF THE CONSTRUCTION OR VERIFICATION OF THE CONSTRUCTION UNLESS EXPRESSLY RETAINED TO DO SO.
- McELHANNEY CONSULTING SERVICES LTD. (McELHANNEY) PROVIDE FIELD REVIEWS ONLY FOR THE WORK SHOWN ON THESE DRAWINGS. FIELD REVIEWS BY McELHANNEY ARE PERIODIC AND AT THE SOLE DISCRETION OF McELHANNEY IN ORDER TO ASCERTAIN THAT THE WORK IS IN GENERAL CONFORMANCE WITH THE DESIGN DRAWINGS AND SUPPORTING DOCUMENTS.
- FIELD REVIEWS BY McELHANNEY ARE NOT FOR THE CONTRACTORS BENEFIT NOR DOES IT MAKE McELHANNEY GUARANTORS OF THE CONTRACTOR'S WORK. IT REMAINS THE CONTRACTOR'S RESPONSIBILITY TO BUILD THE WORK IN CONFORMANCE WITH THE CONTRACT DOCUMENTS.
- McELHANNEY WILL NOT BE RESPONSIBLE FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUB-CONTRACTOR, OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- IF McELHANNEY IS RETAINED FOR FIELD REVIEWS THEN THE CONTRACTOR IS TO PROVIDE 72 HOUR NOTICE BEFORE ENCLOSING FRAMING ELEMENTS.

DESIGN STANDARDS:

- ALL STRUCTURAL COMPONENTS ARE TO BE DESIGNED AND FABRICATED IN ACCORDANCE WITH PART 4 OF THE NATIONAL BUILDING CODE, CSA S16, CSA 086, AND LOCAL BYLAWS
- DESIGN METHODOLOGY: LIMIT STATES DESIGN
- CLIMATIC INFORMATION:
 - ROOF DESIGN CRITERIA
 - Ss = 2.3 KPa
 - St = 0.1 KPa
 - Is = 1.0
 - WIND DESIGN CRITERIA
 - 1/10 YEARS = 0.42 KPa
 - 150 YEARS = 0.54 KPa
 - Cs = 0.85
 - Iw = 1.0
 - SEISMIC DESIGN PARAMETERS AS PER NATIONAL BUILDING CODE (2015)
 - Sa(0.2) = 0.171
 - Sa(0.5) = 0.098
 - Sa(1.0) = 0.051
 - Sa(2.0) = 0.024
 - PGA = 0.107
 - Ie = 1.0
- ROOF AND FLOOR LOAD CHART

NUNAVUT WATER BOARD OFFICE BUILDING, GJOA HAVEN, NU				
LOCATION	LIVE LOAD	DEAD LOAD	PARTITION LOAD	COLLATERAL LOAD
UPPER ROOF	1.94 KPa	0.7 KPa	N/A	0.5 KPa
WIND UPLIFT	GRAPHICALLY SHOWN ON NET WIND UPLIFT LOADING DIAGRAM			
MAIN FLOOR CONFERENCE ROOM	4.8 KPa	0.7 KPa	0.7 KPa	N/A
MAIN FLOOR OFFICE	4.8 KPa	0.7 KPa	0.7 KPa	N/A
MAIN FLOOR MECHANICAL ROOM	3.6 KPa	0.7 KPa	0.7 KPa	N/A
MAIN FLOOR WASHROOM	2.4 KPa	0.7 KPa	0.7 KPa	N/A

- PARTITION LOADS
 - PARTITION LOADS ARE TO BE CONSIDERED DEAD LOADS AND APPLIED TO THE TOP CHORD OF THE STRUCTURAL MEMBERS.
- COLLATERAL LOADS
 - COLLATERAL LOADS ARE TO BE CONSIDERED DEAD LOADS AND APPLIED TO THE BOTTOM CHORD OF THE STRUCTURAL MEMBERS.
- MECHANICAL LOADS
 - REFER TO MECHANICAL DRAWINGS FOR ALL MECHANICAL UNIT WEIGHTS AND LOCATIONS. LOADS TO INCLUDE ALL VENTILATION, PLUMBING AND EQUIPMENT LOADS.
 - ALL MECHANICAL LOADS ARE TO BE CONFIRMED WITH STRUCTURAL DRAWINGS.

NON-STRUCTURAL ELEMENTS

- "NON-STRUCTURAL" OR "SECONDARY STRUCTURAL" ELEMENTS ARE NOT PART OF THE STRUCTURAL DESIGN SHOWN ON THESE DRAWINGS. SUCH ELEMENTS ARE DESIGNED, DETAILED, APPROVED AND FIELD REVIEWED BY OTHERS. THESE ITEMS APPEAR ON OTHER DRAWINGS OTHER THAN THESE DRAWINGS OF McELHANNEY CONSULTING SERVICES LTD.
- WHERE STRUCTURAL ENGINEERING RESPONSIBILITY IS REQUIRED FOR THESE ELEMENTS, THIS SHALL BE PROVIDED BY SPECIALITY STRUCTURAL ENGINEERS, WHO SHALL ALSO PROVIDE ANY LETTERS REQUIRED BY BUILDING PERMIT AUTHORITIES.
- EXAMPLES OF "NON-STRUCTURAL" OR "SECONDARY STRUCTURAL" ELEMENTS INCLUDE, BUT MAY NOT BE LIMITED TO:
 - ARCHITECTURAL COMPONENTS SUCH AS GUARDRAILS, HANDRAILS, FLAG POLES, LADDERS, CANOPIES, CEILINGS, MILLWORK, ETC.
 - LANDSCAPE ELEMENTS SUCH AS BENCHES, LIGHT POSTS, PLANTERS, ETC.
 - CLADDING, WINDOWS, DOORS, MULLIONS, AND THEIR CONNECTION DETAILS
 - INTERIOR PARTITION STUD WALLS AND NON-LOAD BEARING EXTERIOR STUD WALLS.
 - SKYLIGHTS AND THEIR CONNECTION DETAILS
 - MECHANICAL AND ELECTRICAL EQUIPMENT, COMPONENTS AND THEIR ATTACHMENT DETAILS.
 - CURTAIN WALL GLAZING FRAMING AND ITS ATTACHMENT.
 - FALL ARREST SYSTEMS AND SUPPORT

FALL ARREST SYSTEM

- FALL ARREST SYSTEMS ARE TO BE DESIGNED, SPECIFIED AND APPROVED BY THE FALL ARREST SYSTEM SUPPLIER.
- FALL ARREST LOCATIONS MAY BE INDICATED ON THE STRUCTURAL DRAWINGS AND/OR ARCHITECTURAL DRAWINGS, HOWEVER THE ACTUAL DESIGN LOADINGS ARE TO BE PROVIDED BY THE FALL ARREST SYSTEM SUPPLIER AND COORDINATED WITH THE STRUCTURAL ENGINEER, THE ROOF FRAMING SUPPLIER AND THE ARCHITECT.
- THE ROOF FRAMING SUPPLIER IS TO ENSURE THAT ALL ROOF FRAMING COMPONENTS ARE TO BE DESIGNED TO RESIST THE FALL ARREST DESIGN LOADS THAT ARE SPECIFIED BY THE FALL ARREST SYSTEM SUPPLIER.

GEOTECHNICAL INFORMATION

- REFER TO THE GEOTECHNICAL REPORT PREPARED BY TETRA TECH CANADA INC. DATED SEPTEMBER 14, 2017, "DESKTOP GEOTECHNICAL EVALUATION FOR OFFICE COMPLEX, GJOA HAVEN, NU. FILE # ENG YARCO3146-01. THE PROPOSED FOUNDATION SYSTEM IS ASSUMED AND BASED ON A SPACE FRAME FOUNDATION WITH A ULS GEOTECHNICAL RESISTANCE OF 120 KPa.
- IT IS THE RECOMMENDATION OF McELHANNEY CONSULTING SERVICES LTD. THAT THE OWNER RETAIN A QUALIFIED GEOTECHNICAL ENGINEER TO CONFIRM THE SUITABILITY OF THE ACTUAL GEOTECHNICAL CONDITIONS AND RECOMMENDATIONS FOR THIS PROJECT.

SPACE FRAME FOUNDATION SYSTEM

- THE SPACE FRAME FOUNDATION SYSTEM FOR THIS PROJECT IS TO BE DESIGNED, SPECIFIED AND CERTIFIED BY "TRIODETIC" AND IS CONSIDERED BEYOND THE SCOPE OF WORK OF McELHANNEY. REFER TO "ISSUED FOR CONSTRUCTION" TRIODETIC PLANS FOR ALL TRIODETIC DESIGN ASSUMPTIONS, MATERIALS, INSTALLATION PROCEDURES AND CONSTRUCTION DETAILS.
- IT IS THE RECOMMENDATION OF McELHANNEY CONSULTING SERVICES LTD. THAT THE OWNER RETAIN A QUALIFIED SPACE FRAME ENGINEER TO DESIGN, SPECIFY AND REVIEW THE SPACE FRAME FOUNDATION SYSTEM AND CERTIFY THAT THE INSTALLATION MEETS THE ENGINEERS DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
- THE SPACE FRAME FOUNDATION SYSTEM IS TO BE DESIGNED, SPECIFIED AND APPROVED BY THE SUPPLIER TO SUPPORT THE INTENDED LOADS OF THE BUILDING INCLUDING ALL POINT LOADS IDENTIFIED ON THESE DRAWINGS.
- THE SPACE FRAME FOUNDATION SYSTEM MANUFACTURER IS TO SUBMIT SHOP DRAWINGS AND LAYOUT PLANS IN ACCORDANCE WITH CONTRACT BUILDING SPECIFICATIONS TO THE ENGINEER FOR REVIEW, MINIMUM 2 WEEKS PRIOR TO FABRICATION. THE SHOP DRAWINGS ARE TO BE IN THE SAME UNITS OF MEASURE (IMPERIAL OR METRIC) AS THE STRUCTURAL DRAWINGS.
- THE SHOP DRAWINGS ARE TO INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING: PROJECT NAME, PROJECT ADDRESS, DESIGN LOADS, DESIGN METHODS, LIVE LOAD AND TOTAL LOAD DEFLECTIONS, MEMBER AND COMPONENT LAYOUT, MEMBER SIZES, MATERIAL GRADE, BRACING SYSTEMS, BEARING REQUIREMENTS, BEARING ATTACHMENT, MEMBER CONNECTION DETAILS AND INSTALLATION PROCEDURE.
- THE DRAWINGS ARE TO BE SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN NWT/NU CERTIFYING THE FOUNDATION SYSTEM IS CORRECT FOR SPECIFIED DESIGN LOADS AND THAT THE FOUNDATION SYSTEM CONFORMS TO N.B.C. AND C.S.A. STANDARDS.

ROUGH CARPENTRY

- ALL FRAMING IS TO BE S-P-F #2 OR BETTER, S4S, SEASONED DRY UNLESS INDICATED OTHERWISE ON DRAWINGS.
- LAMINATE STUDS UNDER ALL WALL BEAMS AND LINTELS TO FORM COLUMNS OF SAME WIDTH AS BEAM AND PROVIDE SOLID BLOCKING BETWEEN JOISTS UNDER COLUMNS.
- USE PL400 SUBFLOOR ADHESIVE FOR ALL FLOOR SHEATHING.
- PLYWOOD SHEATHING IS TO CONFORM TO CSA 0121 - DOUGLAS FIR 4' x 8' SQUARE EDGED EXCEPT TONGUE AND GROOVED (T&G) FOR FLOORS.
- ORIENTATED STRAND BOARD (OSB) SHEATHING IS TO CONFORM TO CSA 0437.0 - GRADE 0-2, 4' x 8' SQUARE EDGED EXCEPT TONGUE AND GROOVED (T&G) FOR FLOORS.
- MINIMUM NAILING OF PLYWOOD SHEATHING ON WALLS AND ROOFS (UNLESS NOTED OTHERWISE ON PLANS):
 - 64mm (2-1/2") x 3.25mmØ COMMON NAILS @ 150mm o/c PERIMETER AND SUPPORTED SHEET EDGES
 - 64mm (2-1/2") x 3.25mmØ COMMON NAILS @ 305mm o/c INTERMEDIATE
 - STAPLES ARE NOT PERMITTED
- NAIL GUNS MAY BE USED TO INSTALL NAILS, PROVIDED THE CORRECT TYPE, QUANTITY, LENGTH AND DIAMETER OF NAILS ARE PROPERLY INSTALLED. SEE MANUFACTURES SPECIFICATIONS FOR COMMON NAIL EQUIVALENTS.
- PROVIDE T&G SHEATHING FOR FLOOR SHEATHING OR AS SPECIFIED ON DRAWING AND ALL FLOOR SHEATHING TO BE GLUED AND ATTACHED WITH SCREWS.
- ALL BUILT-UP BEAMS OR HEADERS TO BE NAILED TOGETHER WITH 3 ROWS OF 75mm (3") NAILS @ 305mm o/c MINIMUM OR AS SPECIFIED BY SAIL SUPPLIER.
- INDIVIDUAL MEMBERS OF BUILT-UP BEAMS OR HEADERS TO BE UNSPLICED BETWEEN SUPPORTS.
- USE APPROVED JOIST HANGERS AT ALL FLUSH BEAMS. MANUFACTURER TO BE SIMPSON STRONG TIE OR PRE-APPROVED EQUAL.
- ALL BUILT-UP MEMBERS OR INDIVIDUAL JOISTS FRAMING TO FLUSH BEAMS OR HEADERS ARE TO BE CONNECTED WITH METAL HANGERS PRE-APPROVED BY ENGINEER. (SIMPSON STRONG TIE OR PRE-APPROVED EQUAL.)
- CONTINUE ALL POSTS AND CRIPPLES DOWN TO FOUNDATION COMPLETE WITH BLOCKING IN JOIST SPACE.

STRUCTURAL COMPOSITE LUMBER AND WOOD I JOISTS

- STRUCTURAL COMPOSITE LUMBER (SCL) AND WOOD I-JOISTS AND ALL OTHER STRUCTURAL COMPONENTS ARE TO BE DESIGNED AND FABRICATED IN ACCORDANCE WITH PART 4 OF THE NATIONAL BUILDING CODE, CSA086.1, AND LOCAL BYLAWS.
- ALL ROOF SUPPORTING COMPONENTS ARE TO BE DESIGNED FOR BALANCED AND UNBALANCED LOAD CONDITIONS, INCLUDING SNOW DRIFTING, AS PER THE NATIONAL BUILDING CODE AND NBC STRUCTURAL COMMENTARIES.
- DEFLECTION CRITERIA FOR ALL STRUCTURAL COMPOSITE LUMBER AND WOOD I-JOISTS PRODUCTS TO BE AS FOLLOWS:
 - MAXIMUM LIVE LOAD DEFLECTION IS TO BE L/360
 - MAXIMUM TOTAL LOAD DEFLECTION IS TO BE L/180
- THE STRUCTURAL COMPOSITE LUMBER (SCL) AND WOOD I-JOIST MANUFACTURERS ARE TO SUBMIT SHOP DRAWINGS LAYOUT PLANS AND CALCULATION SHEETS (DESIGN RUNS) FOR EACH OF THEIR SUPPLIED PRODUCTS AND MEMBERS. THE DESIGN/CALCULATION SHEETS ARE TO BE IN THE SAME UNITS OF MEASURE (IMPERIAL OR METRIC) AS THE STRUCTURAL DRAWINGS.
- THE SHOP DRAWINGS AND CALCULATION SHEETS ARE TO INCLUDE: DESIGN LOADS, MEMBER LAYOUT, SIZE, SPACING, STRESSES AND CONNECTION DETAILS INCLUDING WEB STIFFENERS, BRACING SYSTEM, BLOCKING REQUIREMENTS, LIVE LOAD AND TOTAL LOAD DEFLECTIONS, BEARING REQUIREMENTS, BEARING ATTACHMENT, LAMINATION METHODS FOR MULTIPLE PLY MEMBERS, HANGER SCHEDULE, LOAD TRANSFER DETAILS AND INSTALLATION PROCEDURE.
- THE SCL AND WOOD I-JOIST SUPPLIER / FABRICATOR ARE TO SPECIFY ALL CONNECTION HARDWARE AND TIE-DOWNS, AND TO PROVIDE BEARING DETAILS WHERE REQUIRED BEARING AREA EXCEEDS THE ACTUAL BEARING AREA AVAILABLE.
- GENERAL CONTRACTOR TO COORDINATE ALL MECHANICAL LOADS, DUCT OPENINGS, CURB SIZES, AND ROOF TOP UNIT LOCATIONS WITH THE SCL AND WOOD I-JOIST FABRICATOR AND MECHANICAL CONTRACTOR.
- FIELD DRILLING, CUTTING, NOTCHING OR OTHER MODIFICATIONS TO THE MEMBERS IS NOT PERMITTED WITHOUT THE PRIOR WRITTEN APPROVAL OF THE FABRICATOR'S SPECIALTY PROFESSIONAL ENGINEER. COPIES OF ANY MODIFICATION APPROVALS TO BE SUBMITTED TO PROJECT ENGINEER.
- STRUCTURAL COMPOSITE LUMBER IS TO CONFORM TO:
 - PARALLEL STRAND LUMBER (PSL) = 2.0E
 - LAMINATED VENEER LUMBER (LVL) = 1.9E
 - LAMINATED STRAND LUMBER (LSL) = 1.3E, 1.5E, 1.7E AND 1.9E

SHEAR WALLS

- INSTALL SHEAR WALLS AT LOCATION SHOWN ON DRAWINGS AND DENOTED AS:
- HOLD-DOWN ANCHORS ARE TO BE SIMPSON STRONG TIE (MODELS AS PER FRAMING PLANS) OR APPROVED EQUIVALENT AND ARE DENOTED ON DRAWINGS AS:
- INSTALL 12mm PLYWOOD SHEATHING PANELS FOR ALL SHEAR WALLS. OSB IS AN ACCEPTABLE ALTERNATIVE.
- ALL PANEL JOINTS IN SHEAR WALLS ARE TO BE BLOCKED BETWEEN WALL STUDS.
- SHEATHING PANEL NAILING PATTERNS ARE AS FOLLOWS:
 - PANEL EDGES = 64mm (2-1/2") x 3.25mmØ COMMON NAILS @ 76mm o/c
 - CHANNELS AND ANGLES = 300W
 - PANELS INTERIOR = 64mm (2-1/2") x 3.25mmØ COMMON NAILS @ 300mm o/c
 - STAPLES ARE NOT AN ACCEPTABLE SUBSTITUTION FOR SHEAR WALL NAILS
- NAIL GUNS MAY BE USED TO INSTALL NAILS, PROVIDED THE CORRECT TYPE, QUANTITY, LENGTH AND DIAMETER OF NAILS ARE PROPERLY INSTALLED. SEE MANUFACTURES SPECIFICATIONS FOR COMMON NAIL EQUIVALENTS.

STRUCTURAL STEEL

- STRUCTURAL STEEL IS TO CONFORM TO CSA G40.21 WITH THE FOLLOWING GRADES:
 - HSS SECTIONS, CLASS C
 - BARS AND PLATES
 - 300W
 - 350W
 - 260W OR 300W
- SUPPLY MISCELLANEOUS ITEMS INCLUDING ALL ANCHOR BOLTS, EXPANSION BOLTS, AND OTHER MEANS OF ANCHORAGE NOT SPECIFICALLY CALLED FOR ELSEWHERE. SUPPLY ALL ANGLES, BRACKETS, CLEATS, PLATES, BEAMS, CHANNELS, NUTS, BOLTS AND OTHER ANCILLARY FASTENING NOT SPECIFIED ELSEWHERE.
- FABRICATE AND ERECT STRUCTURAL STEEL TO CAN/CSA S16 LIMIT STATES DESIGN OF STEEL STRUCTURES.
- WELDING TO CONFORM TO CSA W-59 BY FABRICATORS CERTIFIED BY CANADIAN WELDING BUREAU (CWB) TO THE REQUIREMENTS OF CSA W47.1 DIVISION 1 OR 2.1.
- PREPARE STEEL SURFACES FOR PAINTING TO SSPC-SP3 FOR ALL STEEL AND APPLY MINIMUM (1) COAT OF SHOP PRIMER (COLOR TO BE RED OR AS SPECIFIED BY OWNER).
- BASE PLATE ANCHOR BOLTS ARE TO CONFORM TO MINIMUM CSA A-36 TO DIAMETERS AND LENGTHS INDICATED ON DRAWINGS.
- TIMBER CONNECTION BOLTS ARE TO CONFORM TO MINIMUM A307 TO DIAMETERS AND LENGTHS INDICATED ON DRAWINGS.

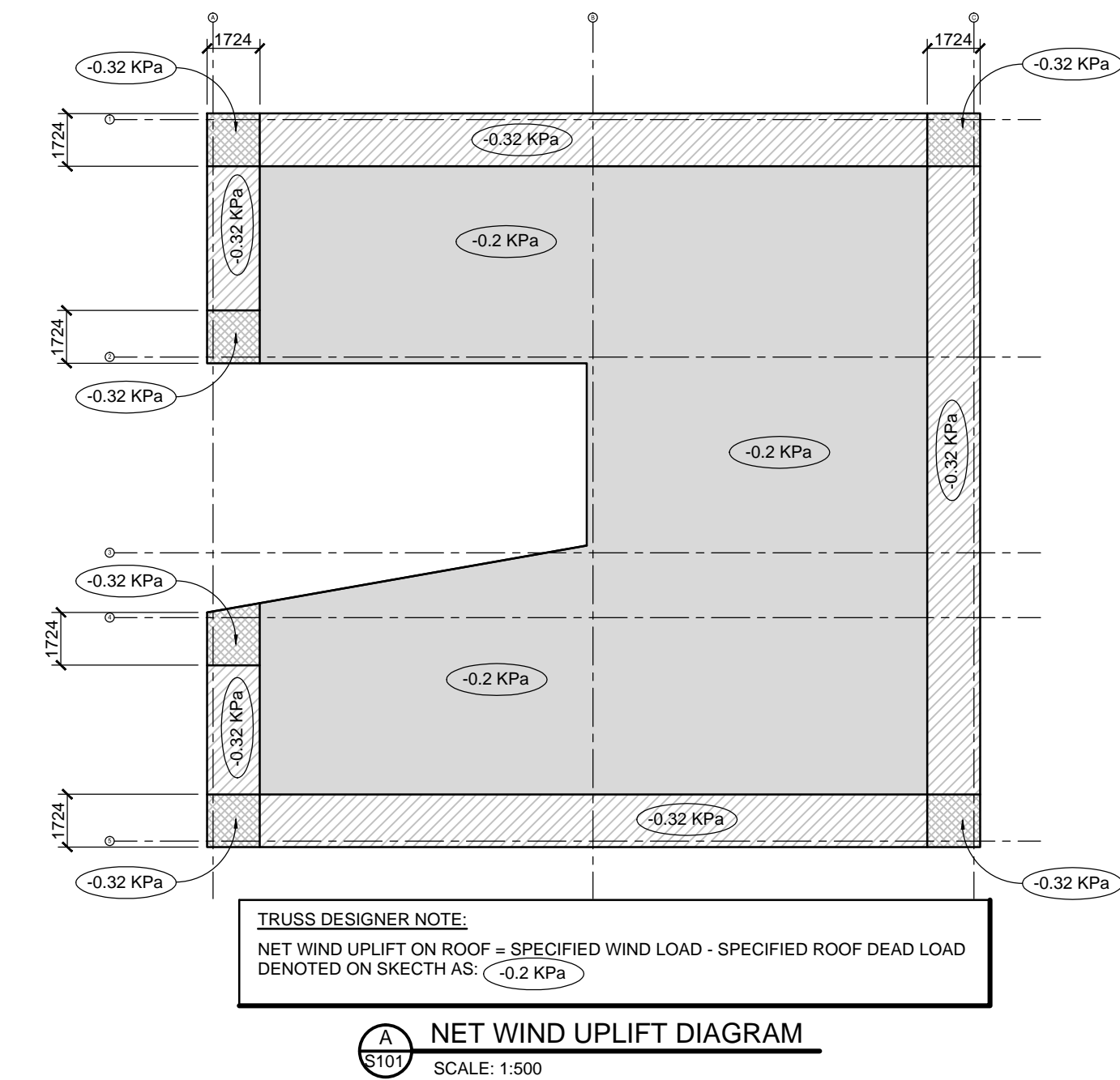
CONCRETE / REINFORCING

- PREPARATION, PLACING AND FINISHING OF CONCRETE IS TO CONFORM TO CSA A23.1.
- CONCRETE PROPERTIES:

ITEM	28 DAY STRENGTH	EXPOSURE CLASS	W/C	AIR (%)	CEMENT TYPE	AGG. SIZE (mm)
EXTERIOR SLAB	32 Mpa	C-2	.45	5 - 8	GU	20
- REINFORCING STEEL IS TO CONFORM TO CSA G30.12M - GRADE 400 MPa.
- REINFORCING STEEL IS TO BE PLACED AS DETAILED TO 10mm TOLERANCE
- REINFORCING STEEL IS TO BE CLEAN, FREE OF CORROSION AND UNDAMAGED. DO NOT WELD BARS OR USE HEAT TO BEND REINFORCING STEEL.

PAD FOOTING SCHEDULE		
TYPE	PAD FOOTING DESCRIPTION	REMARKS
FOOTING "F1"	TREATED TIMBER CRIBBING. (BUILDING FOUNDATIONS)	FOOTING LAYOUT, SIZE AND CONSTRUCTION TO BE DESIGNED, SPECIFIED AND APPROVED BY SPACE FRAME SUPPLIER'S ENGINEER
F2	980 x 980 x 114 TREATED TIMBER CRIBBING (ENTRANCE DECK FOUNDATIONS)	(3) LAYERS OF 38 x 140 TREATED PLANKS. ALTERNATE LAYER DIRECTION AND SECURED WITH (2) 76mm NAILS @ 150mm o/c
F3	700 x 700 x 114 TREATED TIMBER CRIBBING. (EXTERIOR STAIR FOUNDATIONS)	(3) LAYERS OF 38 x 140 TREATED PLANKS. ALTERNATE LAYER DIRECTION AND SECURED WITH (2) 76mm NAILS @ 150mm o/c
F4	560 x 560 x 114 TREATED TIMBER CRIBBING. (EXTERIOR STAIR FOUNDATIONS)	(3) LAYERS OF 38 x 140 TREATED PLANKS. ALTERNATE LAYER DIRECTION AND SECURED WITH (2) 76mm NAILS @ 150mm o/c

BASEPLATE SCHEDULE		
TYPE	BASEPLATE SIZE	ANCHORS
BASEPLATE "BP1"	178 x 178 x 12mm THK	(4) 6mmØ x 125 LONG LAG SCREWS SEE DETAILS (1) (2)
BP2	250 x 140 x 12mm THK	(4) 18mmØ DRILLED HOLES C/W (4) 16mmØ BOLTS INTO TRIODETIC BEAM SEE DETAIL



COLUMN SCHEDULE		
TYPE	COLUMN SIZE	REMARKS
COLUMN "C1"	102 x 102 x 6mm HSS	STEEL
C2	(2) PLY 38 x 140 B.U. SPF No1/No2	(1) FULL HEIGHT + (1) CRIPPLE
C3	(3) PLY 38 x 140 B.U. SPF No1/No2	(1) FULL HEIGHT + (2) CRIPPLE
C4	(4) PLY 38 x 140 B.U. SPF No1/No2	(4) CRIPPLES C/W NESTED BEAM
C5	76mmØ x 6mm WT. STEEL COLUMN	ADJUSTABLE COLUMN CAP
C6	(4) PLY 38 x 89 B.U. SPF No1/No2	(1) FULL HEIGHT + (3) CRIPPLE (TREATED)
C7	(3) PLY 38 x 89 B.U. SPF No1/No2	(1) FULL HEIGHT + (2) CRIPPLE (TREATED)

COLUMN CAP SCHEDULE		
TYPE	COLUMN CAP SIZE	REMARKS
COLUMN CAP "CC1"	9mm BASE PLATE + 6mm SIDES PLATE (STEEL)	SEE DETAIL
CC2	9mm BASE PLATE + 6mm SIDES PLATE (STEEL)	SEE DETAIL
CC3	9mm BASE PLATE + 6mm SIDES PLATE (STEEL)	SEE DETAIL
CC4	9mm BASE PLATE + 6mm SIDES PLATE (STEEL)	SEE DETAIL
CC5	9mm BASE PLATE + 6mm SIDES PLATE (STEEL)	SEE DETAIL

BEAM SCHEDULE		
TYPE	BEAM SIZE	REMARKS
BEAM "B1"	STEEL BEAM (AS SPECIFIED BY TRIODETIC SUPPLIER)	MINIMUM FLANGE WIDTH = 133mm
B2	(4) PLY 44 x 457 LVL BEAM	2.0E (FLUSH)
B3	(2) PLY 44 x 406 LVL BEAM	2.0E (FLUSH)
B4	(2) PLY 44 x 302 LVL BEAM	2.0E (FLUSH)
B5	(1) PLY 89 x 457 BEAM	TRELLIS BEAM - METAL CLAD
B6	(3) PLY 38 x 184 SPF No.1 / No.2 (TREATED)	STAIR DECK BEAM
B7	(5) PLY 38 x 286 SPF No.1 / No.2 (TREATED)	ENTRANCE DECK BEAM
B8	(2) PLY 38 x 184 SPF No.1 / No.2 (TREATED)	WHEELCHAIR RAMP
B9	(3) PLY 38 x 286 SPF No.1 / No.2 (TREATED)	UPPER INCLINE RAMP BEAM
B10	(2) PLY 38 x 234 SPF No.1 / No.2 (TREATED)	LOWER INCLINE RAMP BEAM

JOIST SCHEDULE		
TYPE	JOIST SIZE	REMARKS
JOIST "J1"	406mm DEEP WOOD I-JOIST	SPACED AT 406mm o/c (MAIN FLOOR)
J2	406mm DEEP WOOD I-JOIST	SPACED AT 406mm o/c (ROOF)
J3	38 x 235 WOOD JOIST - SPF No.1 / No.2 (TREATED)	SPACED AT 406mm o/c (ENTRANCE RAMP)
J4	38 x 140 WOOD JOIST - SPF No.1 / No.2 (TREATED)	SPACED AT 406mm o/c (NORTH STAIR)
J5	38 x 184 WOOD JOIST - SPF No.1 / No.2 (TREATED)	SPACED AT 406mm o/c (EAST STAIR)
J6	38 x 140 WOOD JOIST - SPF No.1 / No.2 (TREATED)	SPACED AT 76mm o/c (TRELLIS CANOPY)
J7	38 x 184 WOOD JOIST - SPF No.1 / No.2 (TREATED)	SPACED AT 406mm o/c (INCLINE RAMP)

HOLDDOWN SCHEDULE			
TYPE	HOLDDOWN	ANCHOR	MINIMUM No. OF STUDS
HOLDDOWN "HD1"	SIMPSON STRONG TIE MODEL HDU4 - SDS2.5	16mmØ - FASTENED TO TRIODETIC FRAME	(2) PLY 38 x 140
HD2	SIMPSON STRONG TIE MODEL HDU8 - SDS2.5	22mmØ - FASTENED TO TRIODETIC FRAME	(3) PLY 38 x 140

SHEARWALL SCHEDULE				
TYPE	SHEATHING	PERIMETER NAILING	INTERIOR NAILING	END POSTS
SW1	12mm DFP PLYWOOD 12mm CSP PLYWOOD	2-1/2" NAIL @ 76mm o/c	2-1/2" NAIL @ 300mm o/c	(2) PLY 38 x 140
SW2	12mm DFP PLYWOOD 12mm CSP PLYWOOD	2-1/2" NAIL @ 76mm o/c	2-1/2" NAIL @ 300mm o/c	(3) PLY 38 x 140
SEE TYPICAL SHEARWALL DETAILS				

WALL SCHEDULE		
TYPE	WALL FRAMING	REMARKS
WALL "W1"	38 x 140 WALL STUDS @ 406mm o/c SPF No.1/No.2	38 x 140 SOLID BLOCKING AT 1220 mm o/c 12mm WALL SHEATHING DOUBLE TOP PLATE

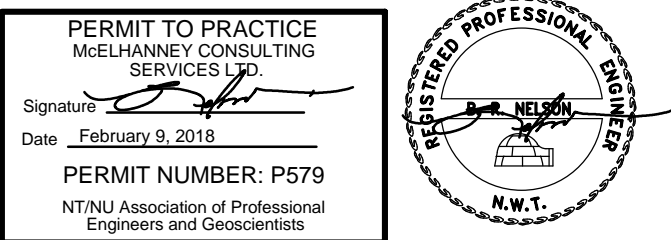
LINTEL SCHEDULE		
TYPE	LINTEL SIZE	REMARKS
LINTEL "L1"	(2) PLY 38 x 140	SPF No.1 / No.2 OR BETTER
L2	(3) PLY 38 x 140	SPF No.1 / No.2 OR BETTER

SHEATHING SCHEDULE		
TYPE	SHEATHING TYPE	REMARKS
	16mm THICK CSP OR DFP PLYWOOD OR ALTERNATE 16mm THICK OSB SHEATHING	H CLIPS NOT REQUIRED
	19mm THICK CSP OR DFP PLYWOOD OR ALTERNATE 19mm THICK OSB SHEATHING	TOUNGE AND GROOVE EDGE

consultant

McELHANNEY FILE # 2441-00831

seals



THIS DRAWING AND DESIGN IS THE PROPERTY OF McELHANNEY CONSULTING SERVICES LTD. (McELHANNEY) AND SHALL NOT BE USED, REUSED OR REPRODUCED WITHOUT THE CONSENT OF McELHANNEY.

McELHANNEY WILL NOT BE HELD RESPONSIBLE FOR THE IMPROPER OR UNAUTHORIZED USE OF THIS DRAWING AND DESIGN.

THIS DRAWING AND DESIGN HAS BEEN PREPARED FOR THE CLIENT IDENTIFIED, TO MEET THE STANDARDS AND REQUIREMENTS OF THE APPLICABLE PUBLIC AGENCIES AT THE TIME OF PREPARATION.

McELHANNEY, ITS EMPLOYEES, SUBCONSULTANTS AND AGENTS WILL NOT BE LIABLE FOR ANY LOSSES OR OTHER CONSEQUENCES RESULTING FROM THE USE OR RELIANCE UPON, OR ANY CHANGES MADE TO, THIS DRAWING, BY ANY THIRD PARTY, INCLUDING CONTRACTORS, SUPPLIERS, CONSULTANTS AND STAKEHOLDERS, OR THEIR EMPLOYEES OR AGENTS, WITHOUT McELHANNEY'S PRIOR WRITTEN CONSENT.

THIS DRAWING IS PART OF A COMPLETE SET OF DRAWINGS AND IS TO BE READ IN CONJUNCTION WITH ALL SHEETS WITHIN THE DRAWING SET. REFER TO ALL SHEETS INCLUDING STRUCTURAL NOTES PROVIDED ON SHEET S101.

THIS DRAWING IS INTENDED FOR THE STRUCTURAL CONSTRUCTION OF THIS PARTICULAR PROJECT AND IS NOT INTENDED TO BE USED AS A RECORD DRAWING UNLESS SPECIFICALLY NOTED AS SUCH.

McELHANNEY RECOMMENDS THE OWNER ENGAGES ALL PROFESSIONAL ASPECTS FOR THIS PROJECT FOR ALL APPLICABLE DISCIPLINES INCLUDING BUT NOT LIMITED TO: ARCHITECTURAL, CIVIL, MECHANICAL, ELECTRICAL AND GEOTECHNICAL PROFESSIONS.

THE PROFESSIONAL SEAL APPLIED TO THESE DRAWINGS APPLIES ONLY TO THE STRUCTURAL ASPECT OF THIS PROJECT. OTHER ELEMENTS SHOWN ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SPECIFIED BY OTHERS AND IS NOT WITHIN THE SCOPE OF WORK OF BY McELHANNEY.

STRUCTURAL DRAWING LIST

S101	STRUCTURAL NOTES AND SCHEDULES
S201	SCHEMATIC TRIODETIC LAYOUT
S301	MAIN FLOOR FRAMING PLAN AND DETAILS
S302	ENTRANCE DECK AND EXTERIOR STAIR FRAMING
S401	ROOF FRAMING PLAN AND DETAILS
S402	ROOF FRAMING DETAILS
S403	ROOF FRAMING AND TRELLIS FRAMING DETAILS
S404	SHEAR WALL ELEVATIONS AND FRAMING DETAILS

ALL DIMENSIONS TO BE SITE VERIFIED BY CONTRACTOR

4	09-Feb-18	Issued for Tender
3	01-Feb-18	100% Construction Documents
2	15-Dec-17	66% Construction Documents
1	15-Nov-17	Design Development
#	Date	Description

Revisions

Date: November 8, 2017

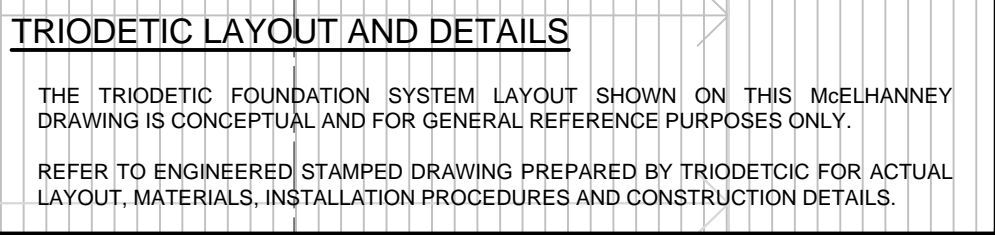
Project:

**NUNAVUT WATER BOARD
NEW OFFICE BUILDING**

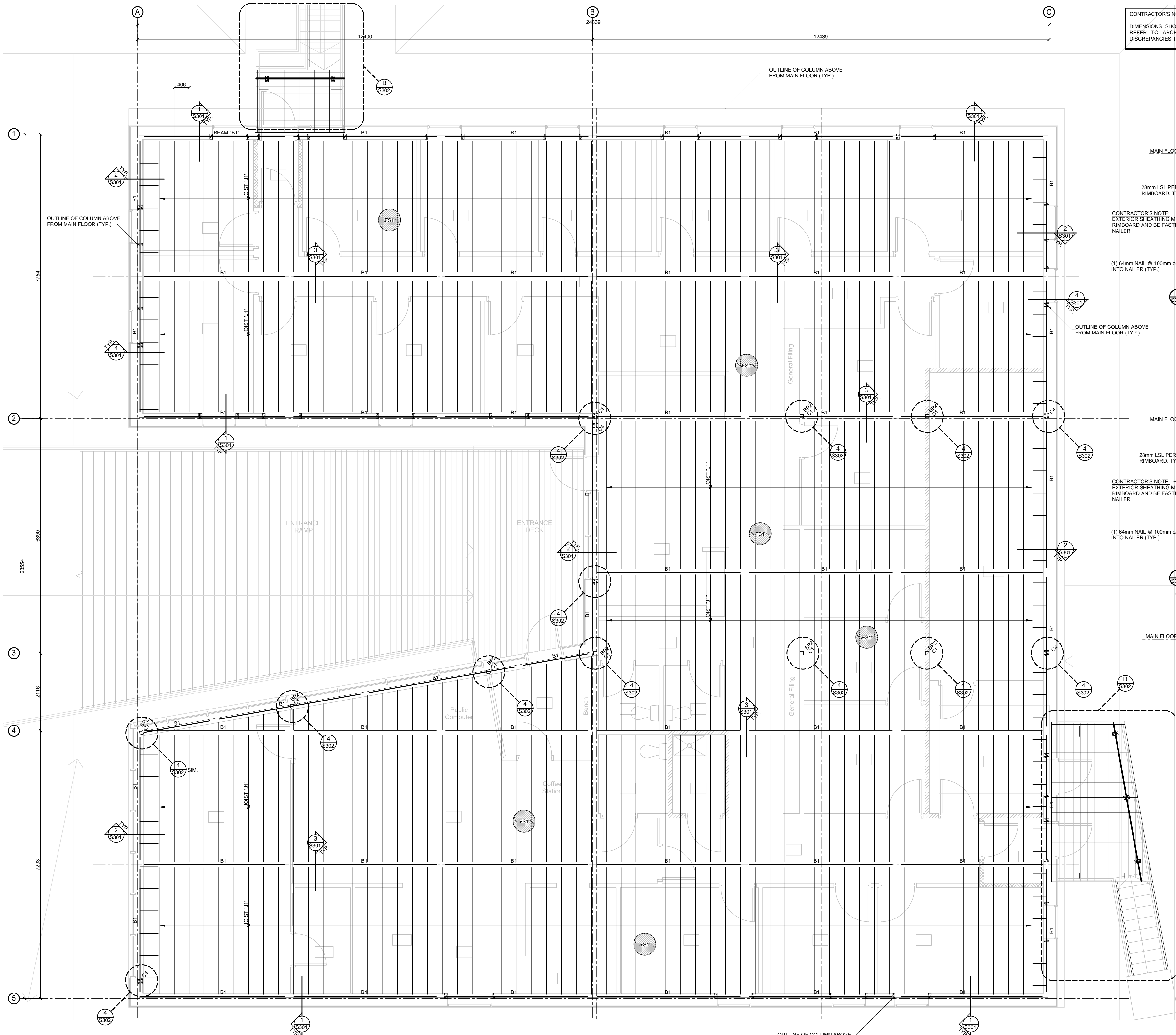
Gjoa Haven, NU

project north	Design by: BN
	Drawing by: U
	Scale: As Noted

Sheet name:</

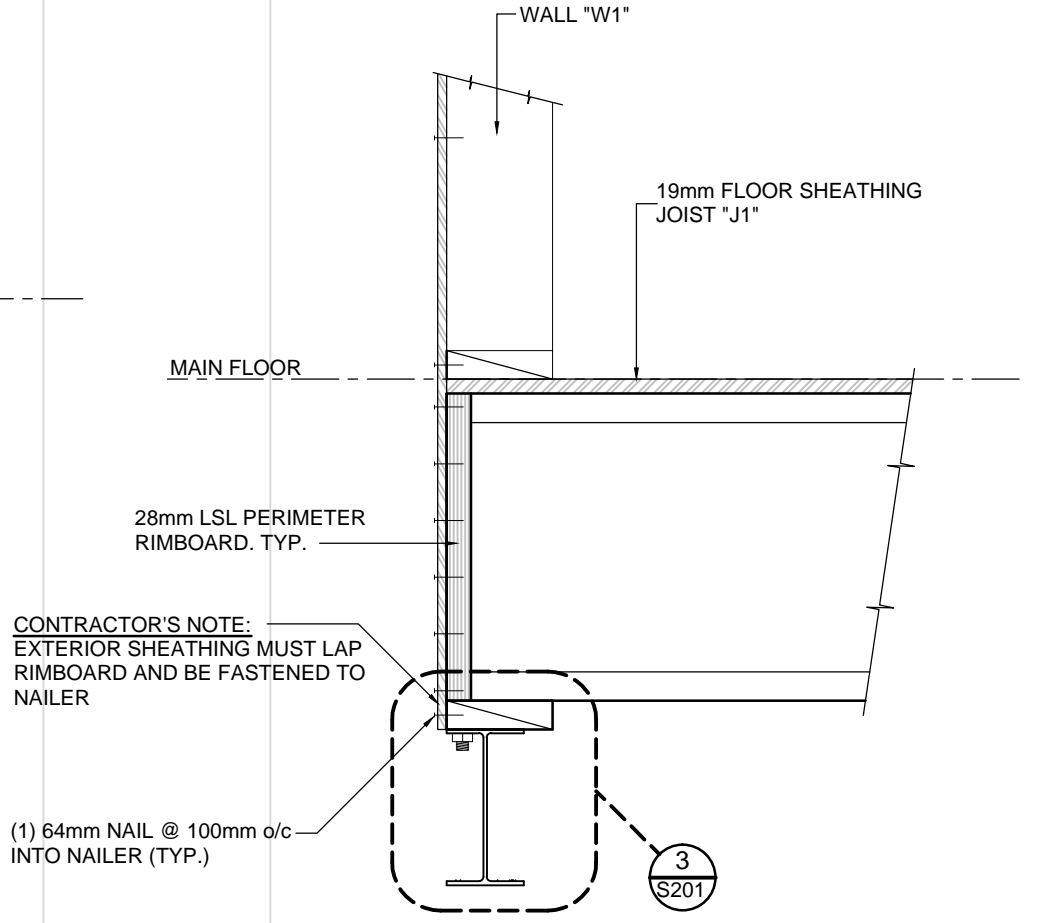


201 SCALE: 1:10

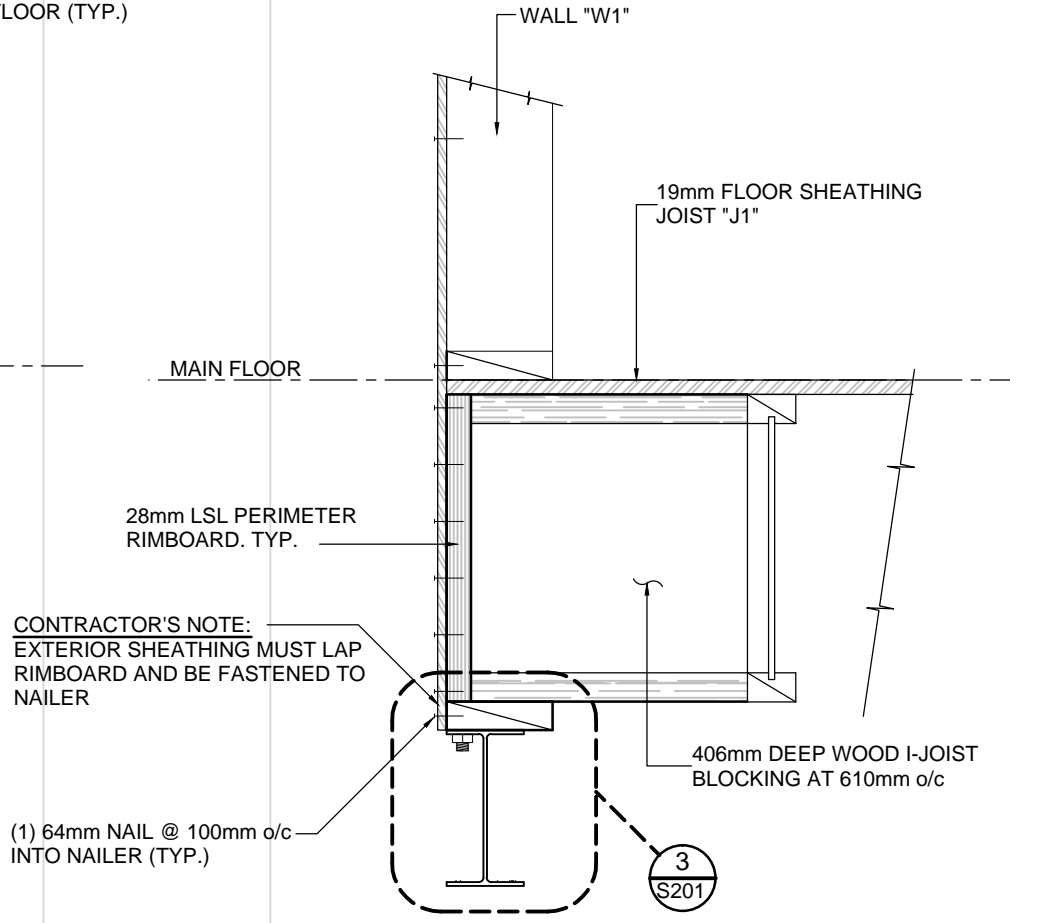


MAIN FLOOR FRAMING PLAN
SCALE: 1:50

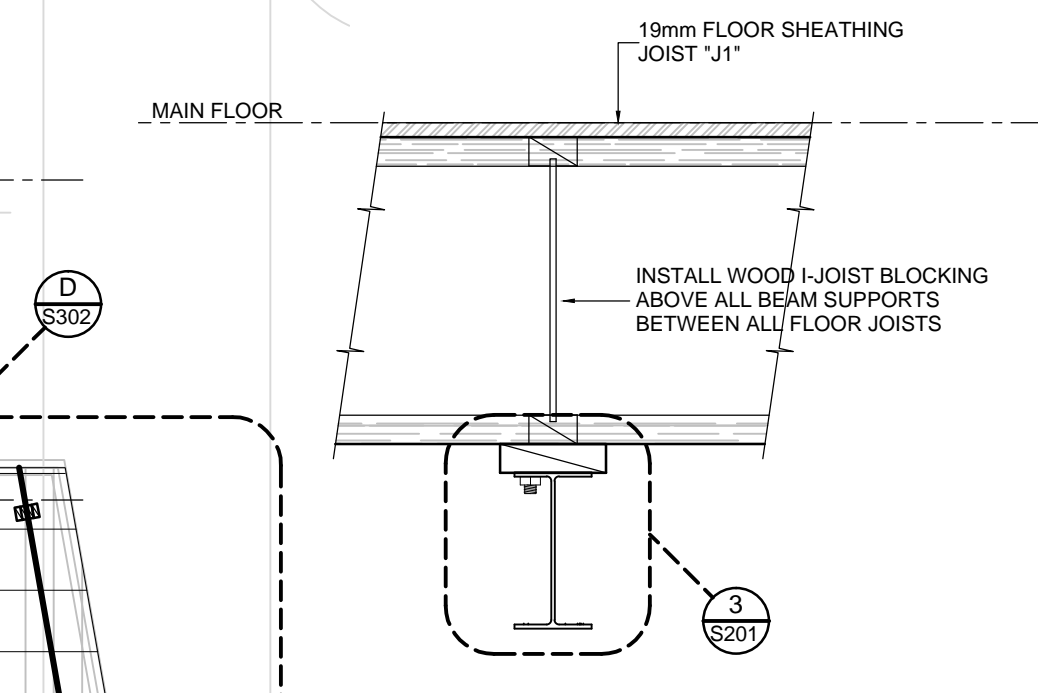
CONTRACTOR'S NOTE:
DIMENSIONS SHOWN ON THE STRUCTURAL DRAWINGS ARE FOR REFERENCE ONLY. REFER TO ARCHITECTURAL PLANS FOR ALL DIMENSIONS AND REPORT ANYALL DISCREPANCIES TO THE ARCHITECT AND ENGINEER PRIOR TO CONSTRUCTION.



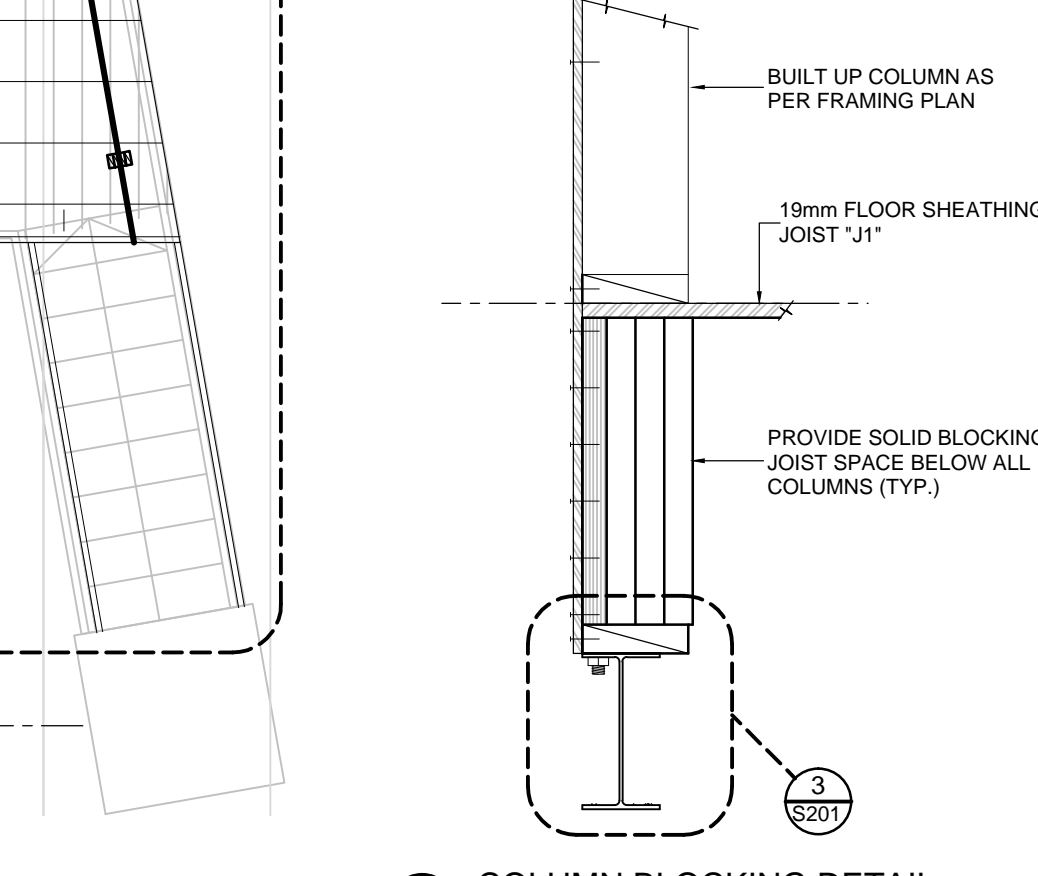
TYPICAL PERIMETER EDGE DETAIL
SCALE: 1:10



TYPICAL PERIMETER EDGE DETAIL
SCALE: 1:10



TYPICAL INTERIOR DETAIL
SCALE: 1:10



COLUMN BLOCKING DETAIL
SCALE: 1:10

THIS DRAWING AND DESIGN IS THE PROPERTY OF McELHANNEY CONSULTING SERVICES LTD. (McELHANNEY) AND SHALL NOT BE USED, REUSED OR REPRODUCED WITHOUT THE CONSENT OF McELHANNEY.

McELHANNEY WILL NOT BE HELD RESPONSIBLE FOR THE IMPROPER OR UNAUTHORIZED USE OF THIS DRAWING AND DESIGN.

THIS DRAWING AND DESIGN HAS BEEN PREPARED FOR THE CLIENT IDENTIFIED, TO MEET THE STANDARDS AND REQUIREMENTS OF THE APPLICABLE PUBLIC AGENCIES AT THE TIME OF PREPARATION.

McELHANNEY, ITS EMPLOYEES, SUBCONSULTANTS AND AGENTS WILL NOT BE LIABLE FOR ANY LOSSES OR OTHER CONSEQUENCES RESULTING FROM THE USE OR RELIANCE UPON, OR ANY CHANGES MADE TO, THIS DRAWING, BY ANY THIRD PARTY, INCLUDING CONTRACTORS, SUPPLIERS, CONSULTANTS AND STAKEHOLDERS, OR THEIR EMPLOYEES OR AGENTS, WITHOUT McELHANNEY'S PRIOR WRITTEN CONSENT.

THIS DRAWING IS PART OF A COMPLETE SET OF DRAWINGS AND IS TO BE READ IN CONJUNCTION WITH ALL SHEETS WITHIN THE DRAWING SET. REFER TO ALL SHEETS INCLUDING STRUCTURAL NOTES PROVIDED ON SHEET S101.

THIS DRAWING IS INTENDED FOR THE STRUCTURAL CONSTRUCTION OF THIS PARTICULAR PROJECT AND IS NOT INTENDED TO BE USED AS A RECORD DRAWING UNLESS SPECIFICALLY NOTED AS SUCH.

McELHANNEY RECOMMENDS THE OWNER ENGAGES ALL PROFESSIONAL ASPECTS FOR THIS PROJECT FOR ALL APPLICABLE DISCIPLINES INCLUDING BUT NOT LIMITED TO: ARCHITECTURAL, CIVIL, MECHANICAL, ELECTRICAL AND GEOTECHNICAL PROFESSIONS.

THE PROFESSIONAL SEAL APPLIED TO THESE DRAWINGS APPLIES ONLY TO THE STRUCTURAL ASPECT OF THIS PROJECT. OTHER ELEMENTS SHOWN ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SPECIFIED BY OTHERS AND IS NOT WITHIN THE SCOPE OF WORK OF BY McELHANNEY.

ALL DIMENSIONS TO BE SITE VERIFIED BY CONTRACTOR

#	Date	Description
4	09-Feb-18	Issued for Tender
3	01-Feb-18	100% Construction Documents
2	15-Dec-17	66% Construction Documents
1	15-Nov-17	Design Development

Revisions:
Date: November 8, 2017

Project:
**NUNAVUT WATER BOARD
NEW OFFICE BUILDING**

Gjoa Haven, NU

project north
Design by: BN
Drawing by: UJ
Scale: As Noted

Sheet name:

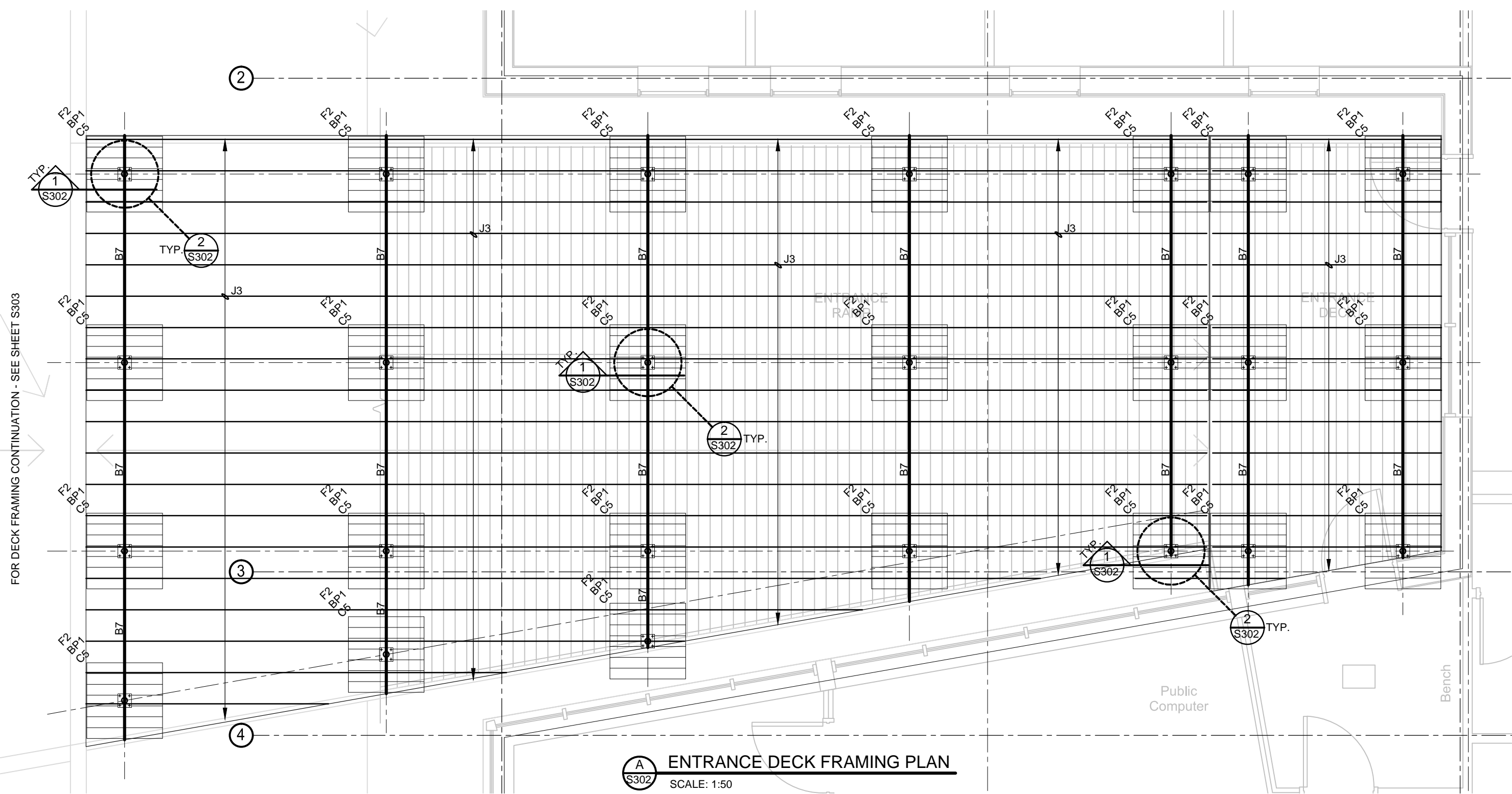
**MAIN FLOOR
FRAMING PLAN
AND DETAILS**

Project #

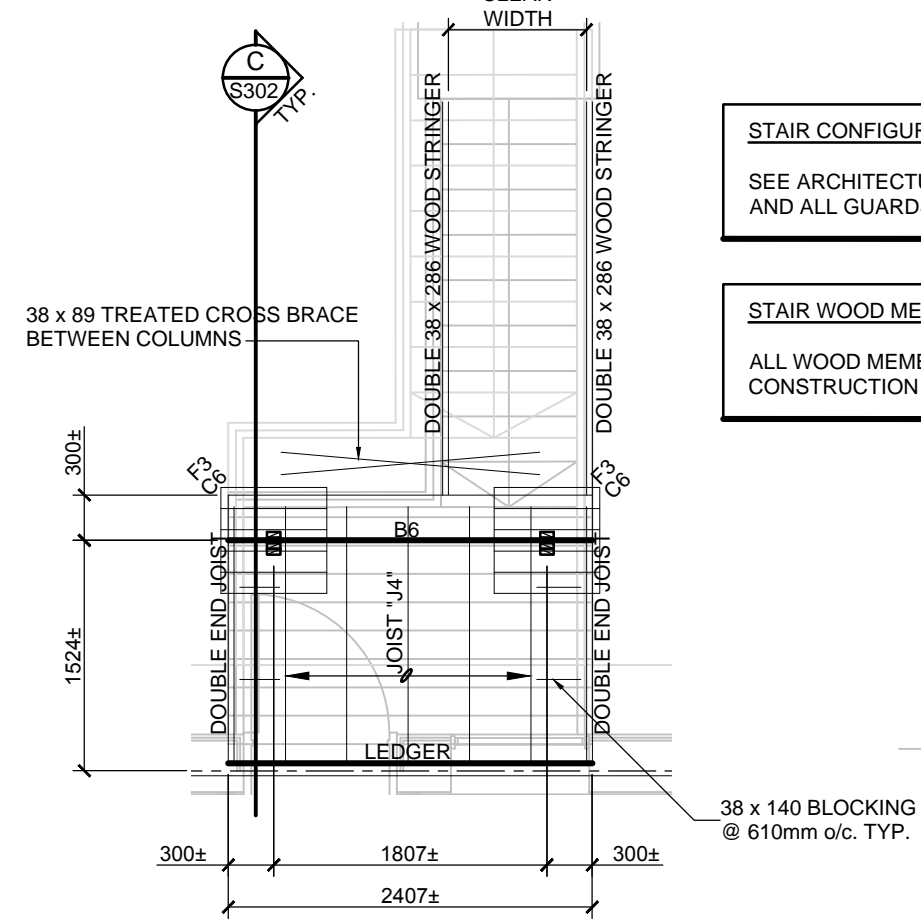
17-017

Drawing #

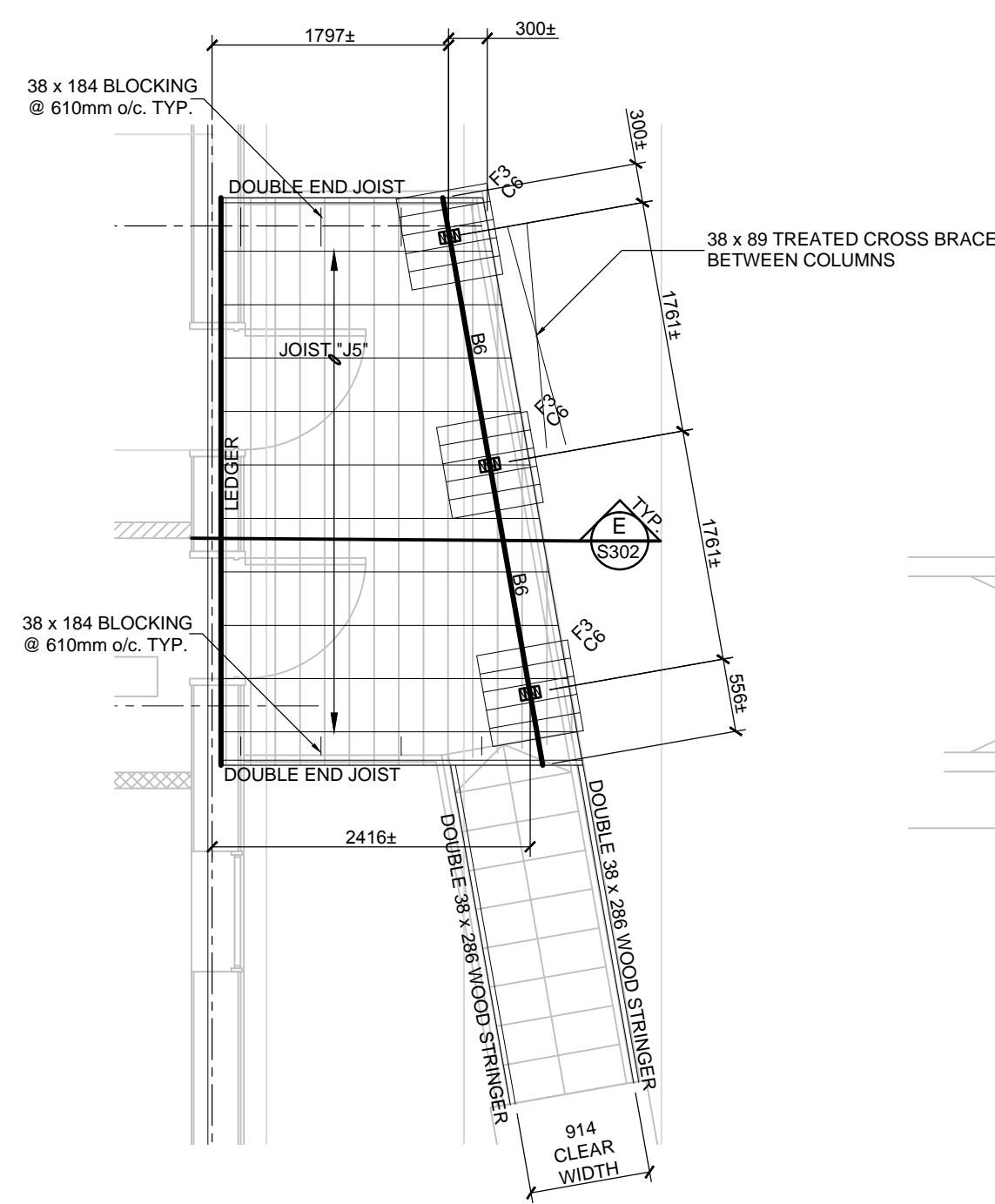
S301



ENTRANCE DECK FRAMING PLAN
SCALE: 1:50



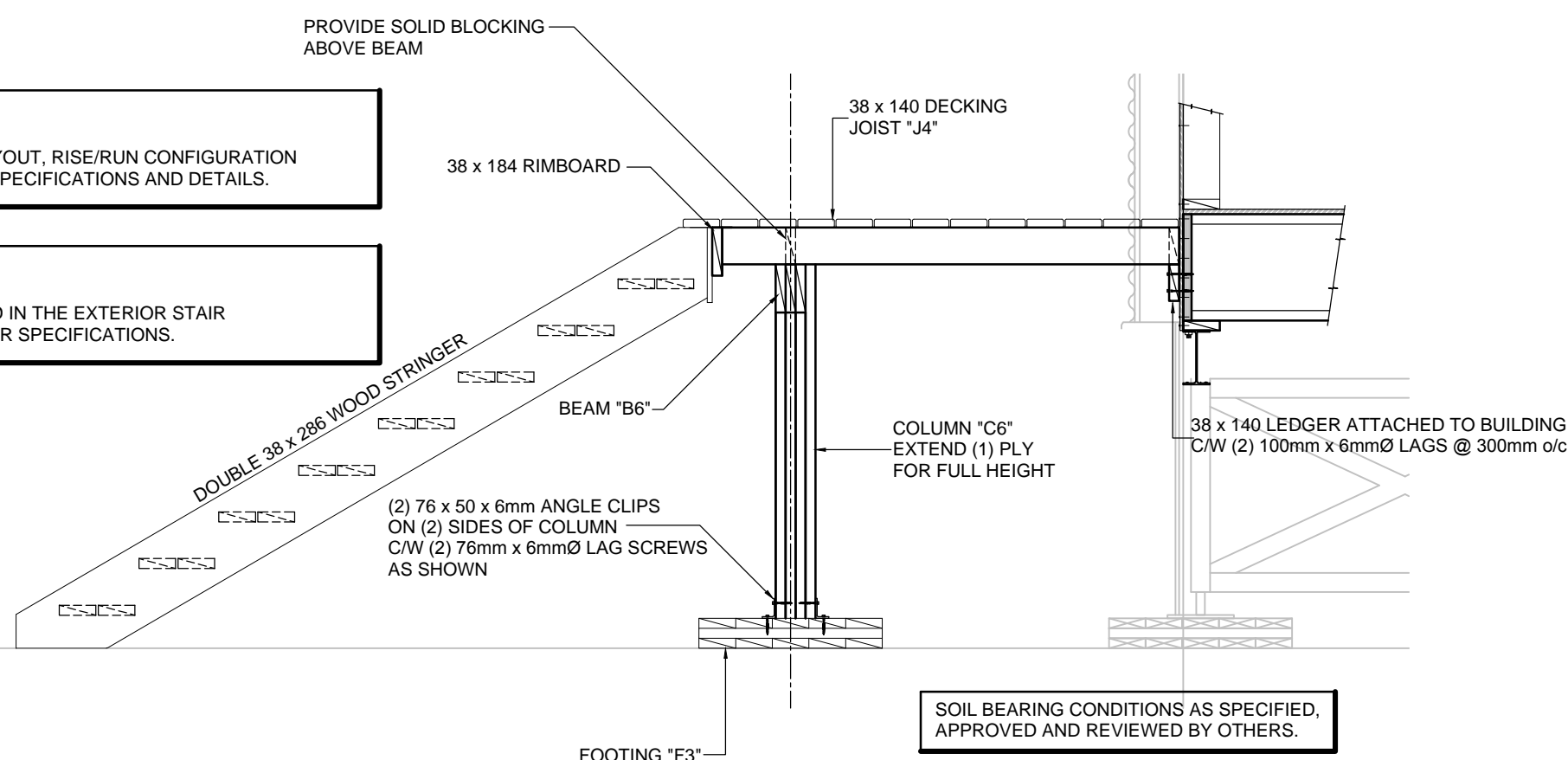
NORTH EXIT STAIR LAYOUT
SCALE: 1:50



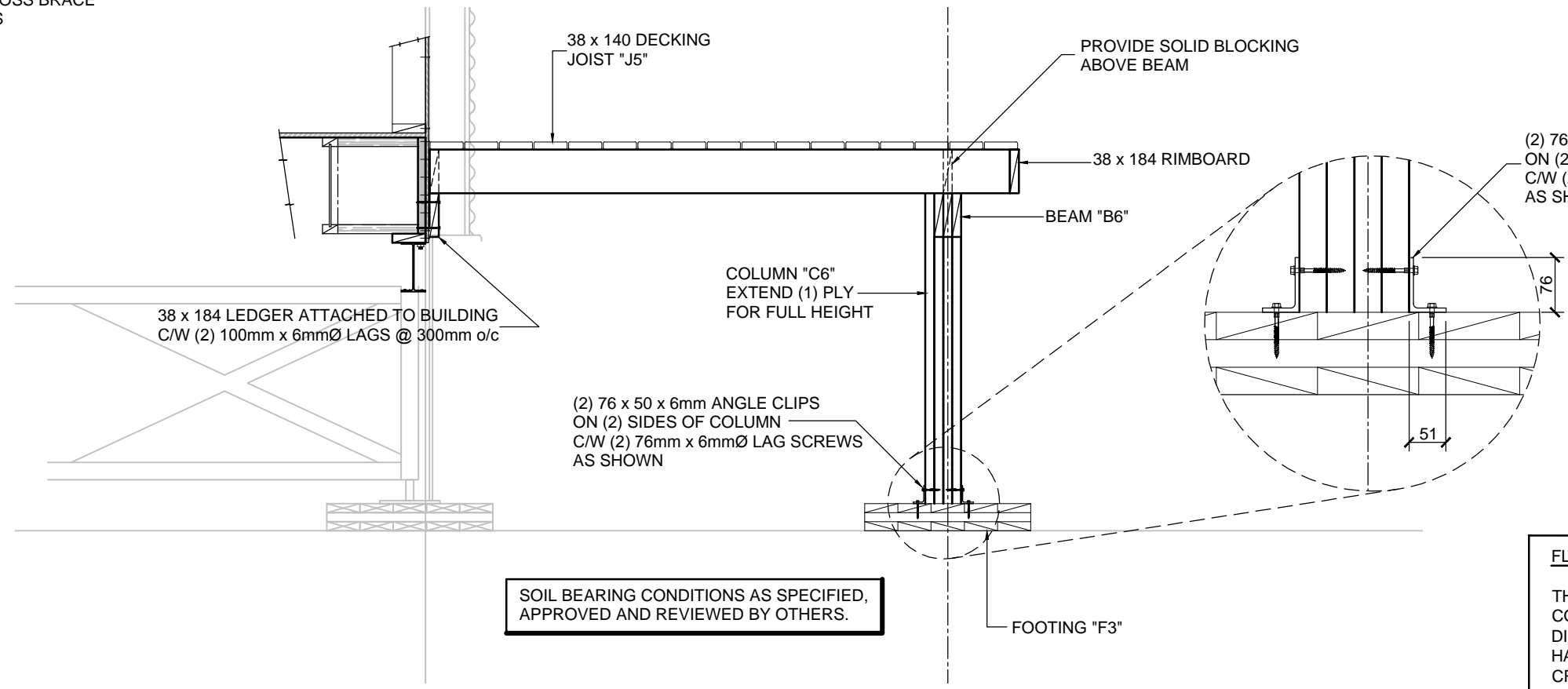
EAST EXIT STAIR LAYOUT
SCALE: 1:50

STAIR CONFIGURATION:
SEE ARCHITECTURAL PLANS FOR STAIR LAYOUT, RISE/RUN CONFIGURATION AND ALL GUARDS AND HANDRAIL DESIGN, SPECIFICATIONS AND DETAILS.

STAIR WOOD MEMBERS (TREATED):
ALL WOOD MEMBERS AND MATERIALS USED IN THE EXTERIOR STAIR CONSTRUCTION ARE TO BE TREATED AS PER SPECIFICATIONS.



NORTH EXIT STAIR SECTION
SCALE: 1:25

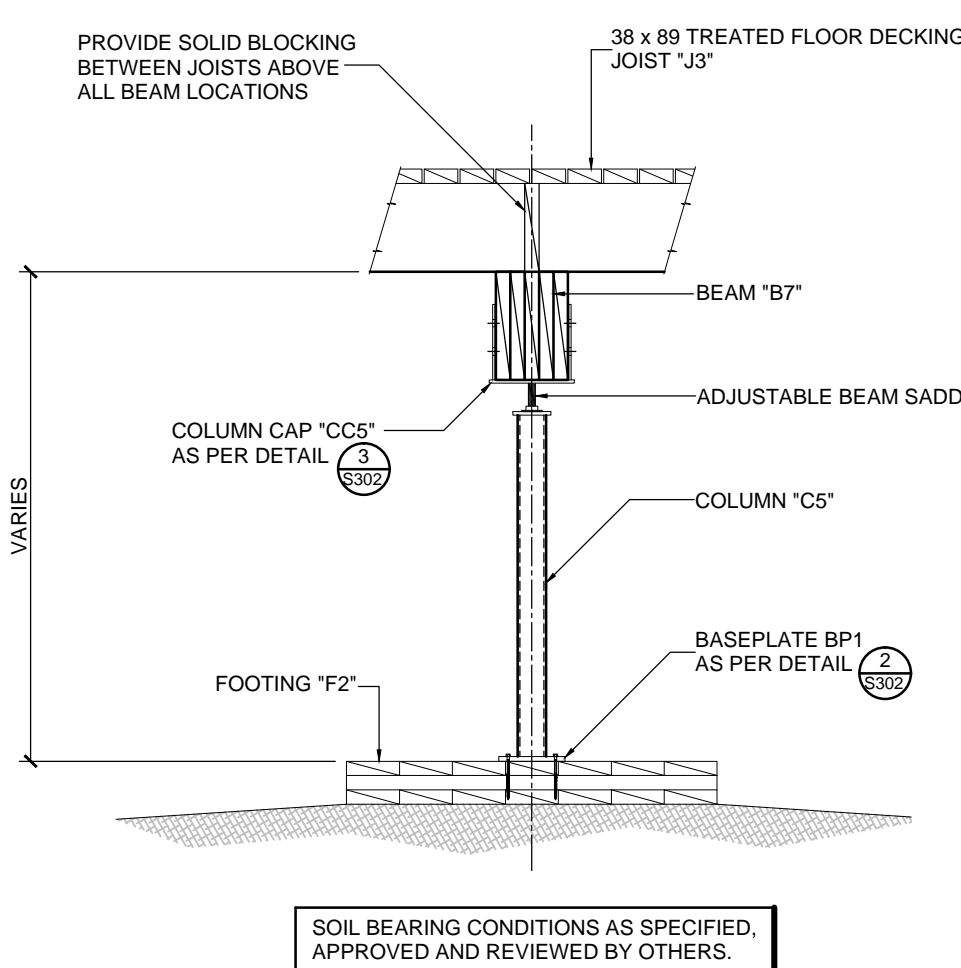


EAST EXIT STAIR SECTION
SCALE: 1:25

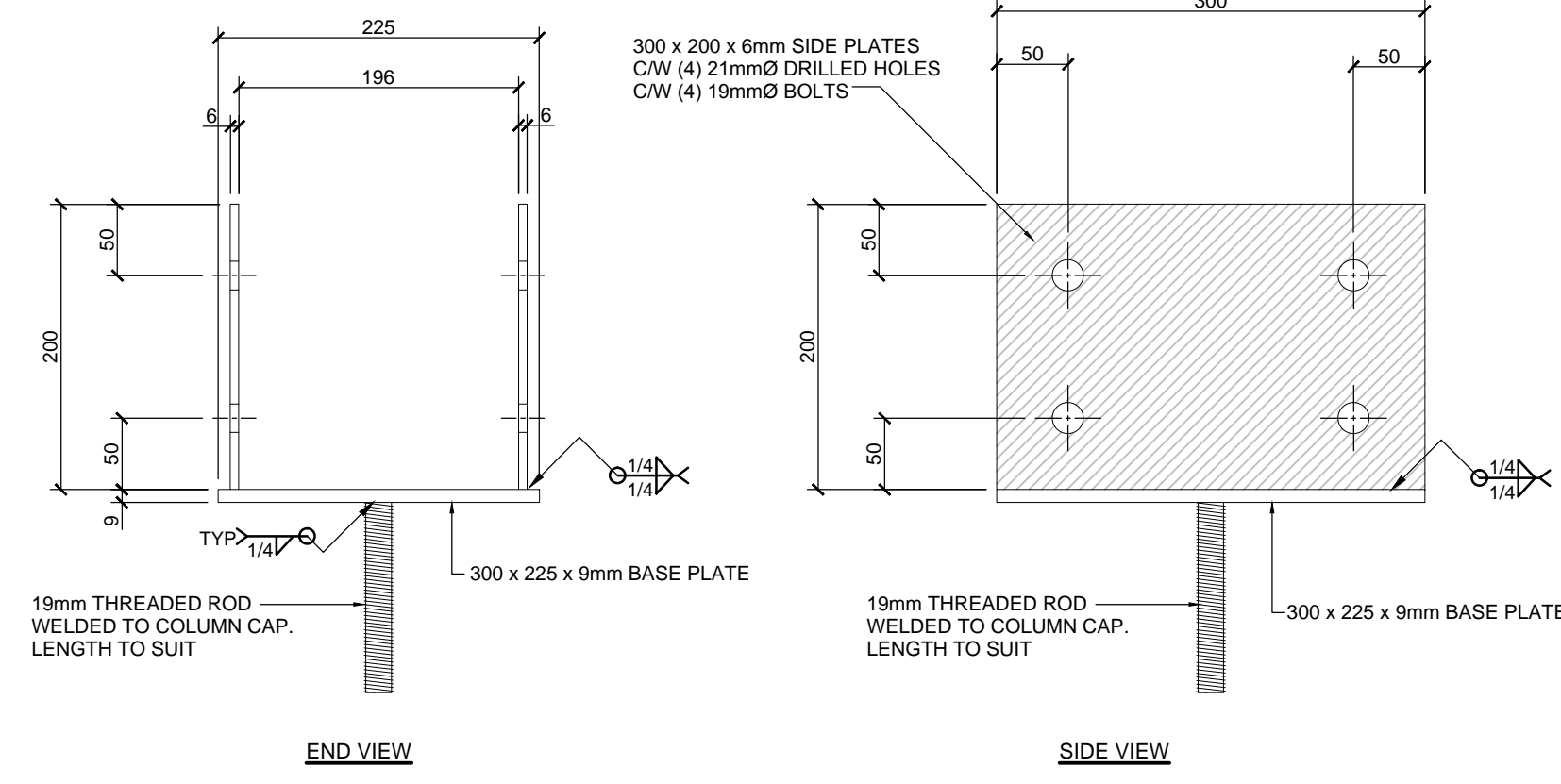
FLOATING CONCRETE SLAB:
THE EXTERIOR CONCRETE SLABS ON GRADE SHOWN ON THESE DRAWINGS ARE CONSIDERED TO BE "FLOATING CONCRETE SLAB" SYSTEMS AND ARE SUBJECT TO DISPLACEMENTS SUCH AS SEASONAL MOVEMENT AND / OR SETTLEMENT. McELHANNEY HAS NOT DESIGNED THESE SLABS TO RESIST THIS DISPLACEMENT AND AS SUCH CRACKING OF THE SLABS MAY OCCUR. THE OWNER IS AWARE OF THIS AND ACCEPTS THE RISKS ASSOCIATED WITH THE "FLOATING CONCRETE SLAB" SYSTEMS.

CONTRACTOR'S NOTE:
DIMENSIONS SHOWN ON THE STRUCTURAL DRAWINGS ARE FOR REFERENCE ONLY. REFER TO ARCHITECTURAL PLANS FOR ALL DIMENSIONS AND REPORT ANY/ALL DISCREPANCIES TO THE ARCHITECT AND ENGINEER PRIOR TO CONSTRUCTION.

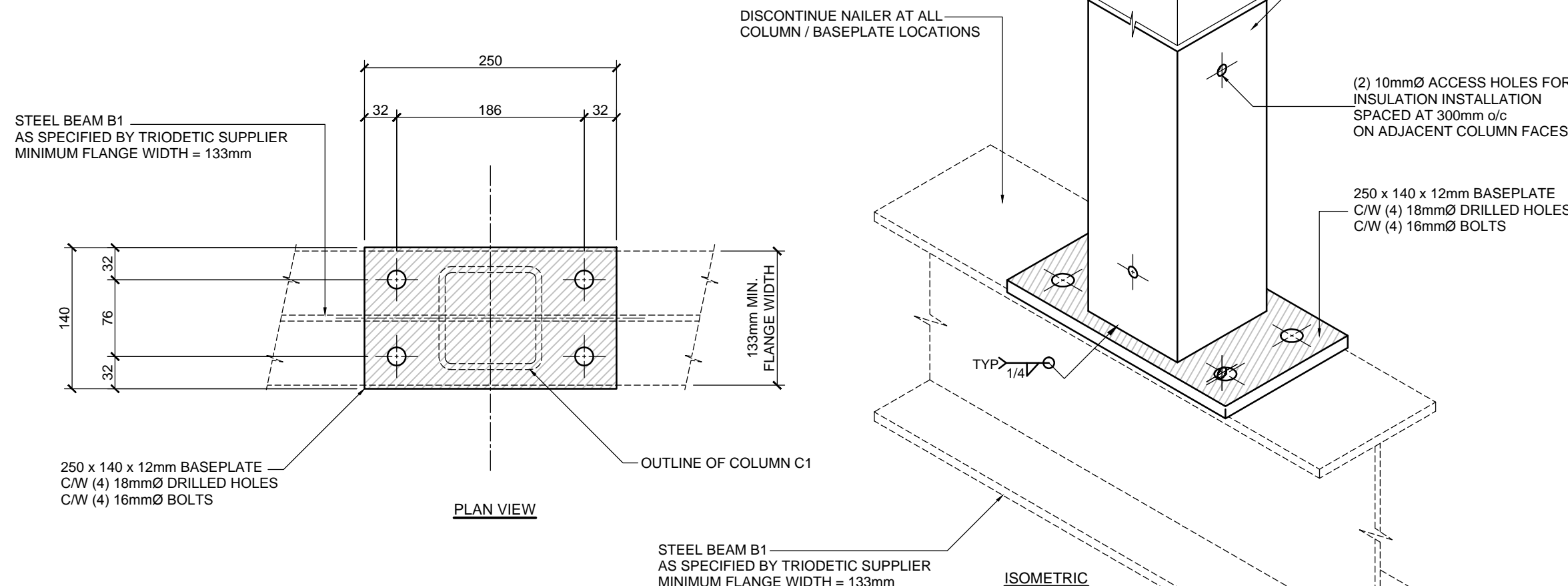
GEOTECHNICAL REQUIREMENTS INCLUDING SOIL BEARING, BACKFILL, COMPACTION, FROST PROTECTION AND DRAINAGE ARE TO BE SPECIFIED, REVIEWED AND CONFIRMED BY OTHERS



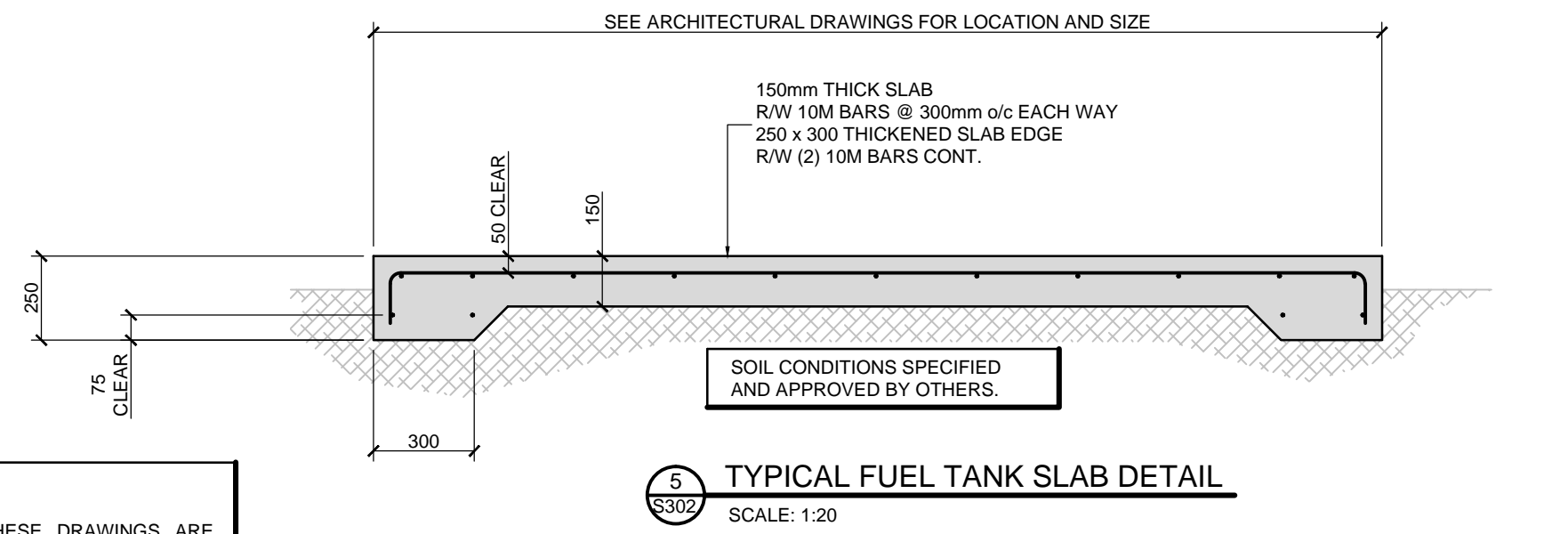
ENTRANCE DECK TYPICAL SECTION
SCALE: 1:10



ENTRANCE DECK COLUMN CAP "CC5" DETAILS
SCALE: 1:10



COLUMN BASEPLATE "BP1" DETAILS
SCALE: 1:10



TYPICAL FUEL TANK SLAB DETAIL
SCALE: 1:20

THIS DRAWING AND DESIGN IS THE PROPERTY OF McELHANNEY CONSULTING SERVICES LTD. (McELHANNEY) AND SHALL NOT BE USED, REUSED OR REPRODUCED WITHOUT THE CONSENT OF McELHANNEY.

McELHANNEY WILL NOT BE HELD RESPONSIBLE FOR THE IMPROPER OR UNAUTHORIZED USE OF THIS DRAWING AND DESIGN.

THIS DRAWING AND DESIGN HAS BEEN PREPARED FOR THE CLIENT IDENTIFIED, TO MEET THE STANDARDS AND REQUIREMENTS OF THE APPLICABLE PUBLIC AGENCIES AT THE TIME OF PREPARATION.

McELHANNEY, ITS EMPLOYEES, SUBCONSULTANTS AND AGENTS WILL NOT BE LIABLE FOR ANY LOSSES OR OTHER CONSEQUENCES RESULTING FROM THE USE OR RELIANCE UPON, OR ANY CHANGES MADE TO, THIS DRAWING, BY ANY THIRD PARTY, INCLUDING CONTRACTORS, SUPPLIERS, CONSULTANTS AND STAKEHOLDERS, OR THEIR EMPLOYEES OR AGENTS, WITHOUT McELHANNEY'S PRIOR WRITTEN CONSENT.

THIS DRAWING IS PART OF A COMPLETE SET OF DRAWINGS AND IS TO BE READ IN CONJUNCTION WITH ALL SHEETS WITHIN THE DRAWING SET. REFER TO ALL SHEETS INCLUDING STRUCTURAL NOTES PROVIDED ON SHEET S101.

THIS DRAWING IS INTENDED FOR THE STRUCTURAL CONSTRUCTION OF THIS PARTICULAR PROJECT AND IS NOT INTENDED TO BE USED AS A RECORD DRAWING UNLESS SPECIFICALLY NOTED AS SUCH.

McELHANNEY RECOMMENDS THE OWNER ENGAGES ALL PROFESSIONAL ASPECTS FOR THIS PROJECT FOR ALL APPLICABLE DISCIPLINES INCLUDING BUT NOT LIMITED TO: ARCHITECTURAL, CIVIL, MECHANICAL, ELECTRICAL AND GEOTECHNICAL PROFESSIONS.

THE PROFESSIONAL SEAL APPLIED TO THESE DRAWINGS APPLIES ONLY TO THE STRUCTURAL ASPECT OF THIS PROJECT. OTHER ELEMENTS SHOWN ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SPECIFIED BY OTHERS AND IS NOT WITHIN THE SCOPE OF WORK OF BY McELHANNEY.

ALL DIMENSIONS TO BE SITE VERIFIED BY CONTRACTOR

#	Date	Description
4	09-Feb-18	Issued for Tender
3	01-Feb-18	100% Construction Documents
2	15-Dec-17	66% Construction Documents
1	15-Nov-17	Design Development
Revisions		
Date: November 8, 2017		

Project: **NUNAVUT WATER BOARD
NEW OFFICE BUILDING**

Gjoa Haven, NU

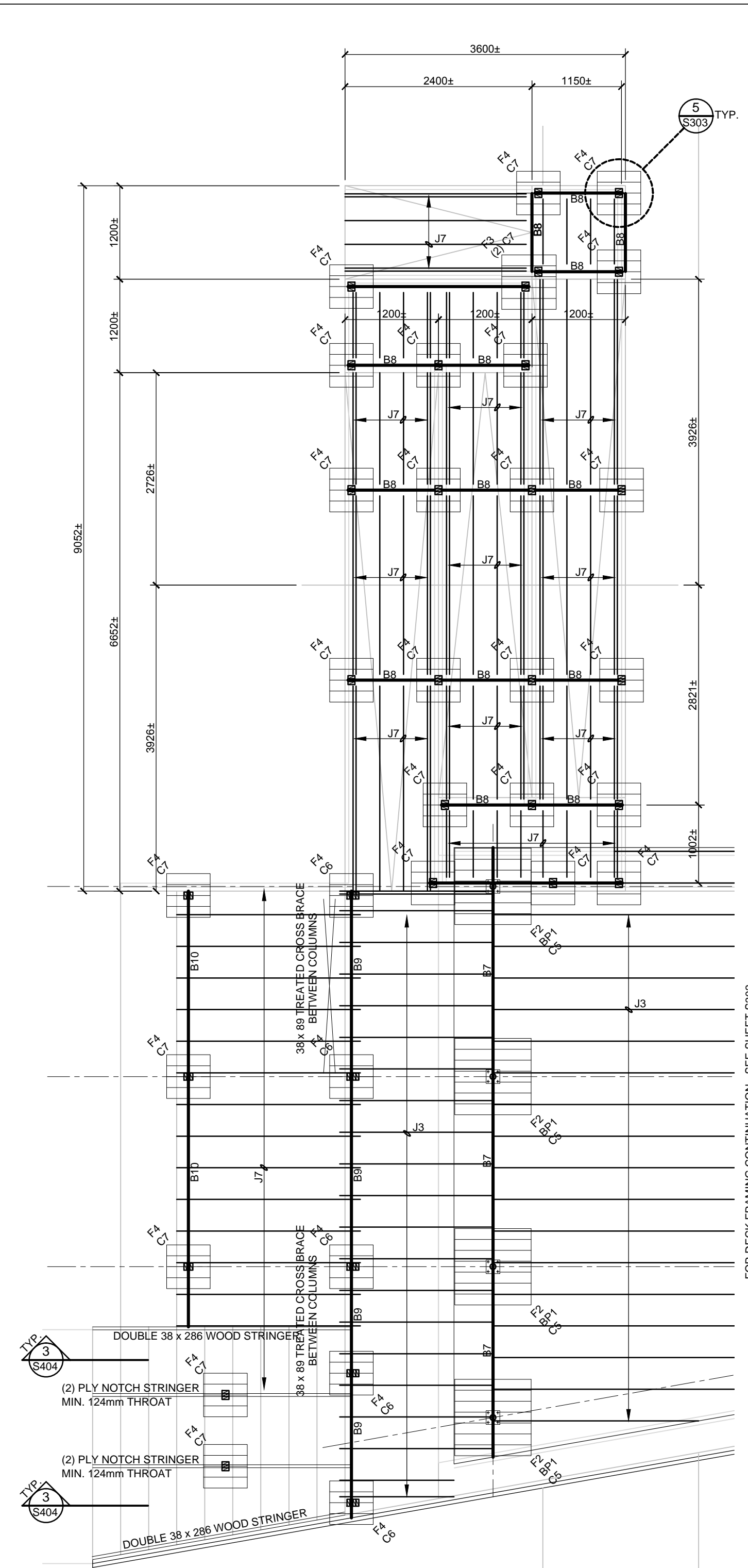
project north	Design by: BN
Drawn by: UI	Scale: As Noted

Sheet name:

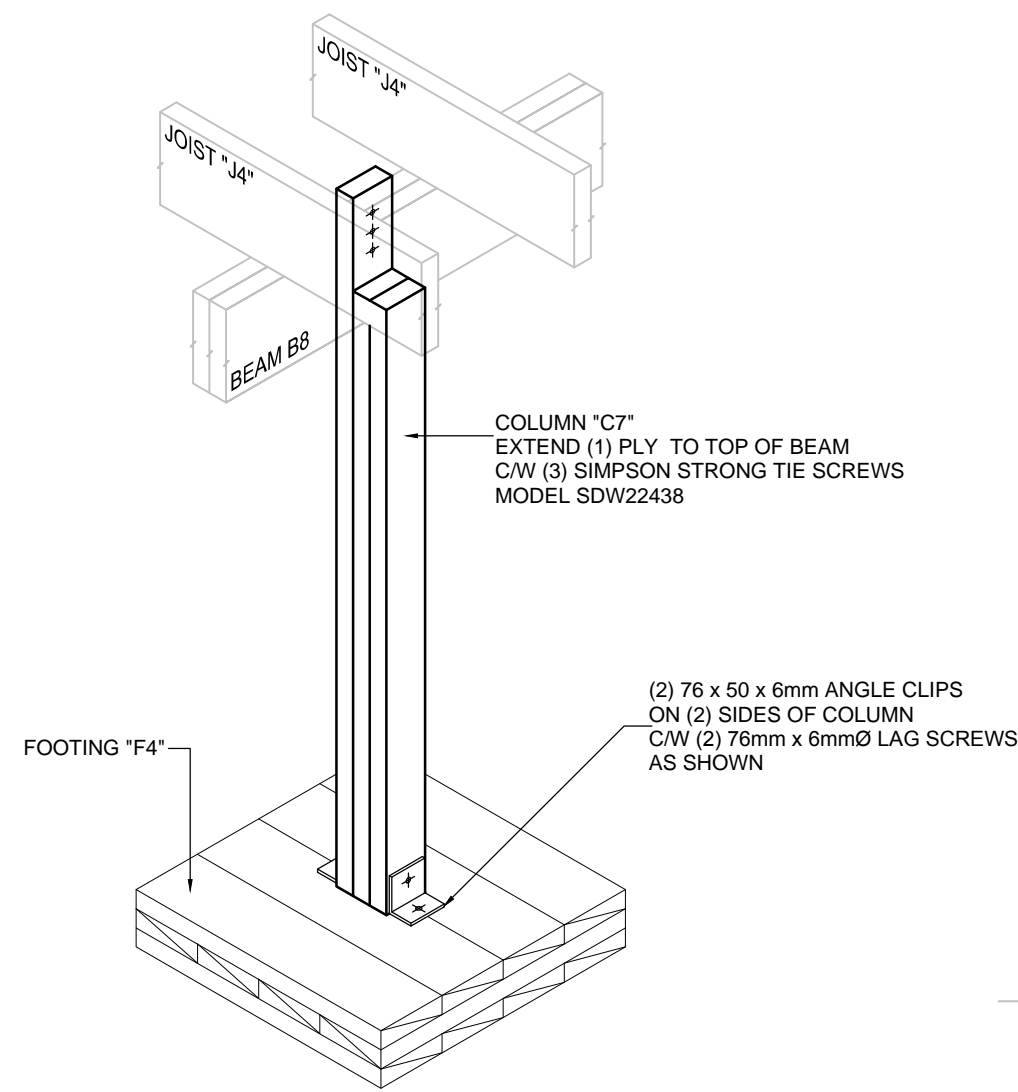
**ENTRANCE RAMP AND
EXIT STAIR FRAMING
AND DETAILS**

Project #
17-017

Drawing #
S302



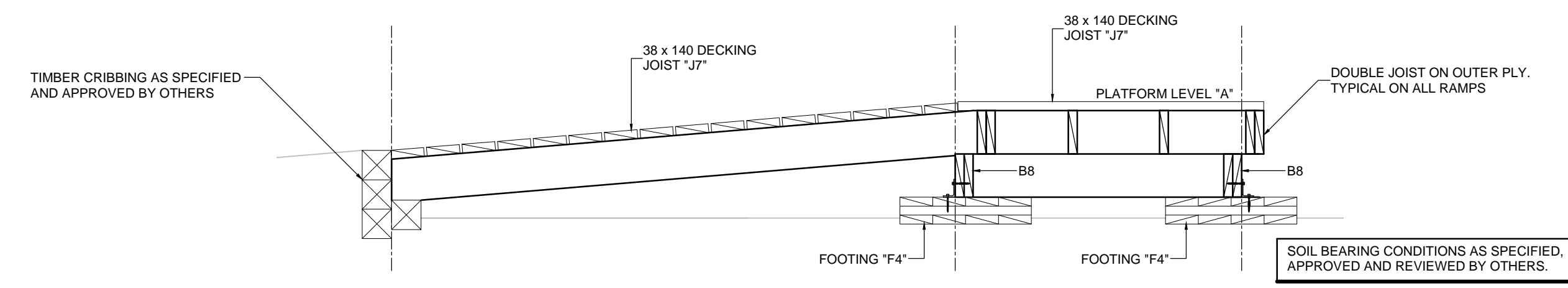
WHEELCHAIR RAMP AND MAIN ACCESS STAIR FRAMING PLAN
SCALE: 1:50



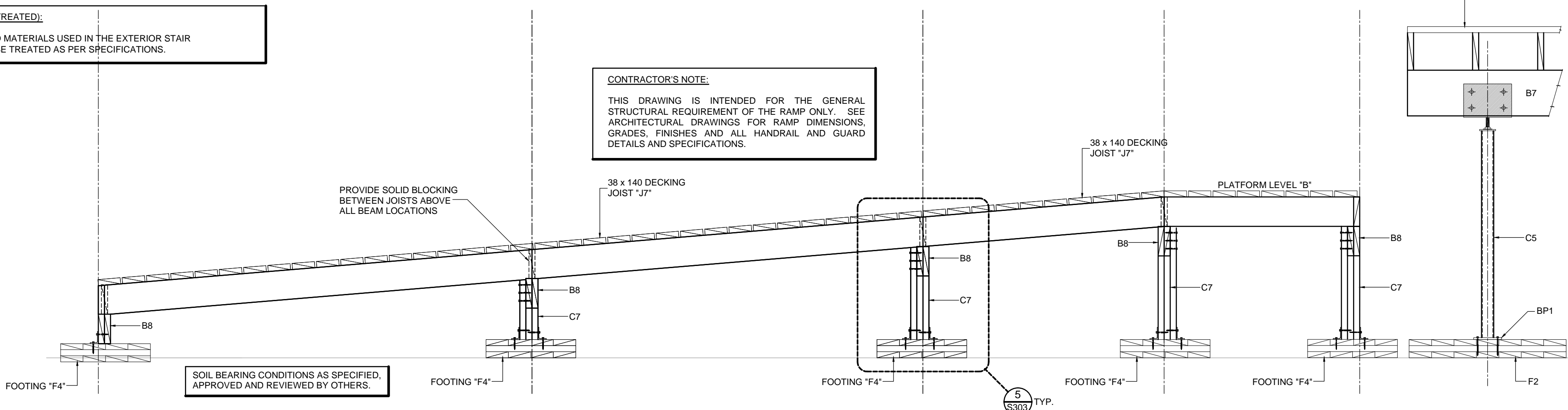
TYPICAL COLUMN FOR WHEELCHAIR RAMP
SCALE: 1:15

STAIR CONFIGURATION:
SEE ARCHITECTURAL PLANS FOR STAIR LAYOUT, RISE/RUN CONFIGURATION AND ALL GUARDS AND HANDRAIL DESIGN, SPECIFICATIONS AND DETAILS.

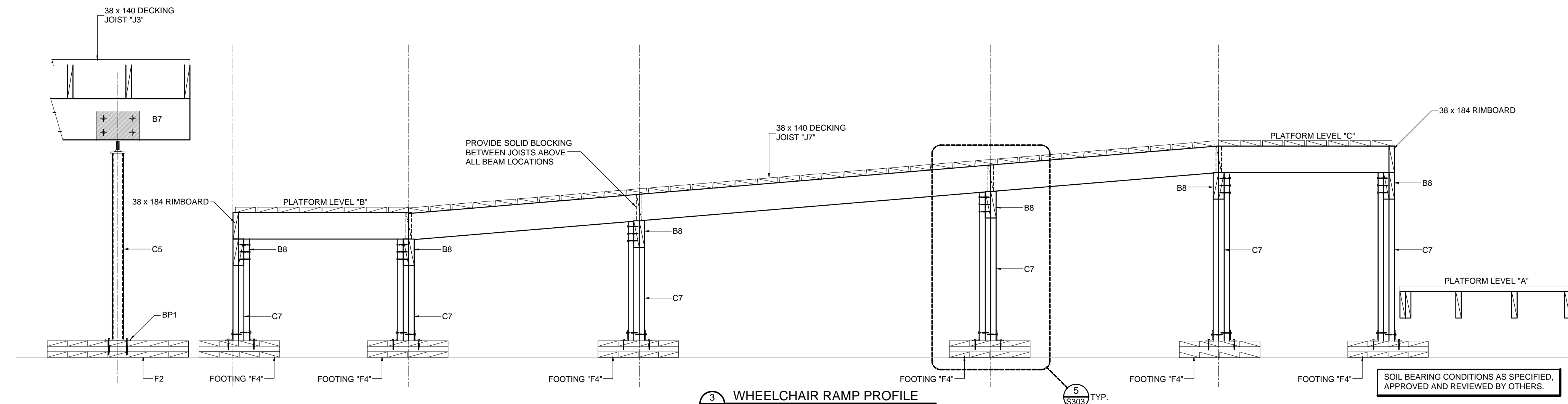
STAIR WOOD MEMBERS (TREATED):
ALL WOOD MEMBERS AND MATERIALS USED IN THE EXTERIOR STAIR CONSTRUCTION ARE TO BE TREATED AS PER SPECIFICATIONS.



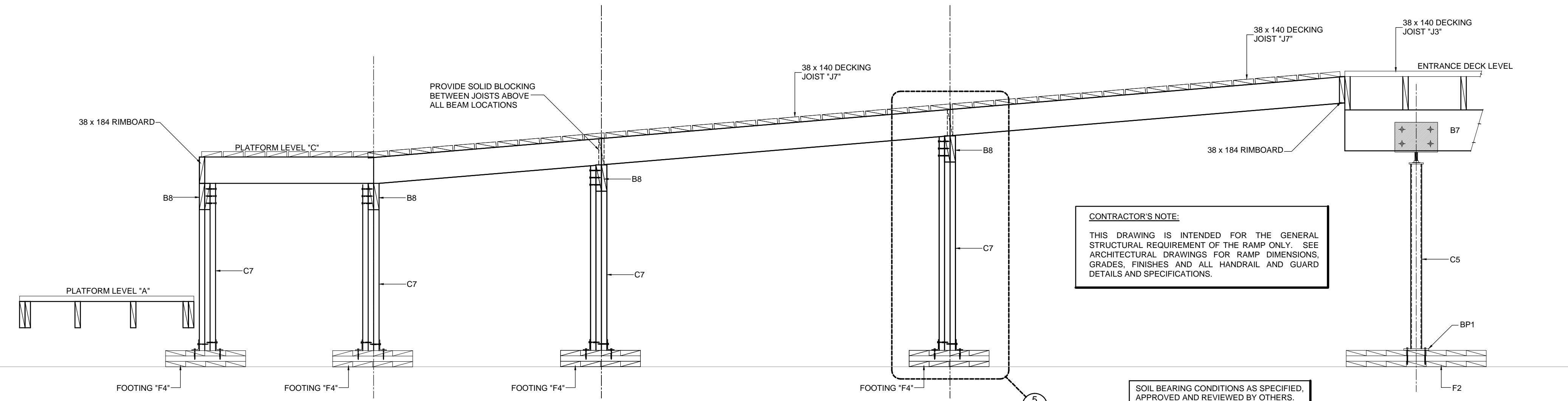
WHEELCHAIR RAMP PROFILE
SCALE: 1:20



WHEELCHAIR RAMP PROFILE
SCALE: 1:20



WHEELCHAIR RAMP PROFILE
SCALE: 1:20



WHEELCHAIR RAMP PROFILE
SCALE: 1:20

CONTRACTOR'S NOTE:
DIMENSIONS SHOWN ON THE STRUCTURAL DRAWINGS ARE FOR REFERENCE ONLY. REFER TO ARCHITECTURAL PLANS FOR ALL DIMENSIONS AND REPORT ANY/ALL DISCREPANCIES TO THE ARCHITECT AND ENGINEER PRIOR TO CONSTRUCTION.

CONTRACTOR'S NOTE:
THIS DRAWING IS INTENDED FOR THE GENERAL STRUCTURAL REQUIREMENT OF THE RAMP ONLY. SEE ARCHITECTURAL DRAWINGS FOR RAMP DIMENSIONS, GRADES, FINISHES AND ALL HANDRAIL AND GUARD DETAILS AND SPECIFICATIONS.

CONTRACTOR'S NOTE:
THIS DRAWING IS INTENDED FOR THE GENERAL STRUCTURAL REQUIREMENT OF THE RAMP ONLY. SEE ARCHITECTURAL DRAWINGS FOR RAMP DIMENSIONS, GRADES, FINISHES AND ALL HANDRAIL AND GUARD DETAILS AND SPECIFICATIONS.

SOIL BEARING CONDITIONS AS SPECIFIED, APPROVED AND REVIEWED BY OTHERS.

THIS DRAWING AND DESIGN IS THE PROPERTY OF McELHANNEY CONSULTING SERVICES LTD. (McELHANNEY) AND SHALL NOT BE USED, REUSED OR REPRODUCED WITHOUT THE CONSENT OF McELHANNEY.

McELHANNEY WILL NOT BE HELD RESPONSIBLE FOR THE IMPROPER OR UNAUTHORIZED USE OF THIS DRAWING AND DESIGN.

THIS DRAWING AND DESIGN HAS BEEN PREPARED FOR THE CLIENT IDENTIFIED, TO MEET THE STANDARDS AND REQUIREMENTS OF THE APPLICABLE PUBLIC AGENCIES AT THE TIME OF PREPARATION.

McELHANNEY, ITS EMPLOYEES, SUBCONSULTANTS AND AGENTS WILL NOT BE LIABLE FOR ANY LOSSES OR OTHER CONSEQUENCES RESULTING FROM THE USE OR RELIANCE UPON, OR ANY CHANGES MADE TO, THIS DRAWING, BY ANY THIRD PARTY, INCLUDING CONTRACTORS, SUPPLIERS, CONSULTANTS AND STAKEHOLDERS, OR THEIR EMPLOYEES OR AGENTS, WITHOUT McELHANNEY'S PRIOR WRITTEN CONSENT.

THIS DRAWING IS PART OF A COMPLETE SET OF DRAWINGS AND IS TO BE READ IN CONJUNCTION WITH ALL SHEETS WITHIN THE DRAWING SET. REFER TO ALL SHEETS INCLUDING STRUCTURAL NOTES PROVIDED ON SHEET S101.

THIS DRAWING IS INTENDED FOR THE STRUCTURAL CONSTRUCTION OF THIS PARTICULAR PROJECT AND IS NOT INTENDED TO BE USED AS A RECORD DRAWING UNLESS SPECIFICALLY NOTED AS SUCH.

McELHANNEY RECOMMENDS THE OWNER ENGAGES ALL PROFESSIONAL ASPECTS FOR THIS PROJECT FOR ALL APPLICABLE DISCIPLINES INCLUDING BUT NOT LIMITED TO: ARCHITECTURAL, CIVIL, MECHANICAL, ELECTRICAL AND GEOTECHNICAL PROFESSIONS.

THE PROFESSIONAL SEAL APPLIED TO THESE DRAWINGS APPLIES ONLY TO THE STRUCTURAL ASPECT OF THIS PROJECT. OTHER ELEMENTS SHOWN ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SPECIFIED BY OTHERS AND IS NOT WITHIN THE SCOPE OF WORK OF BY McELHANNEY.

ALL DIMENSIONS TO BE SITE VERIFIED BY CONTRACTOR

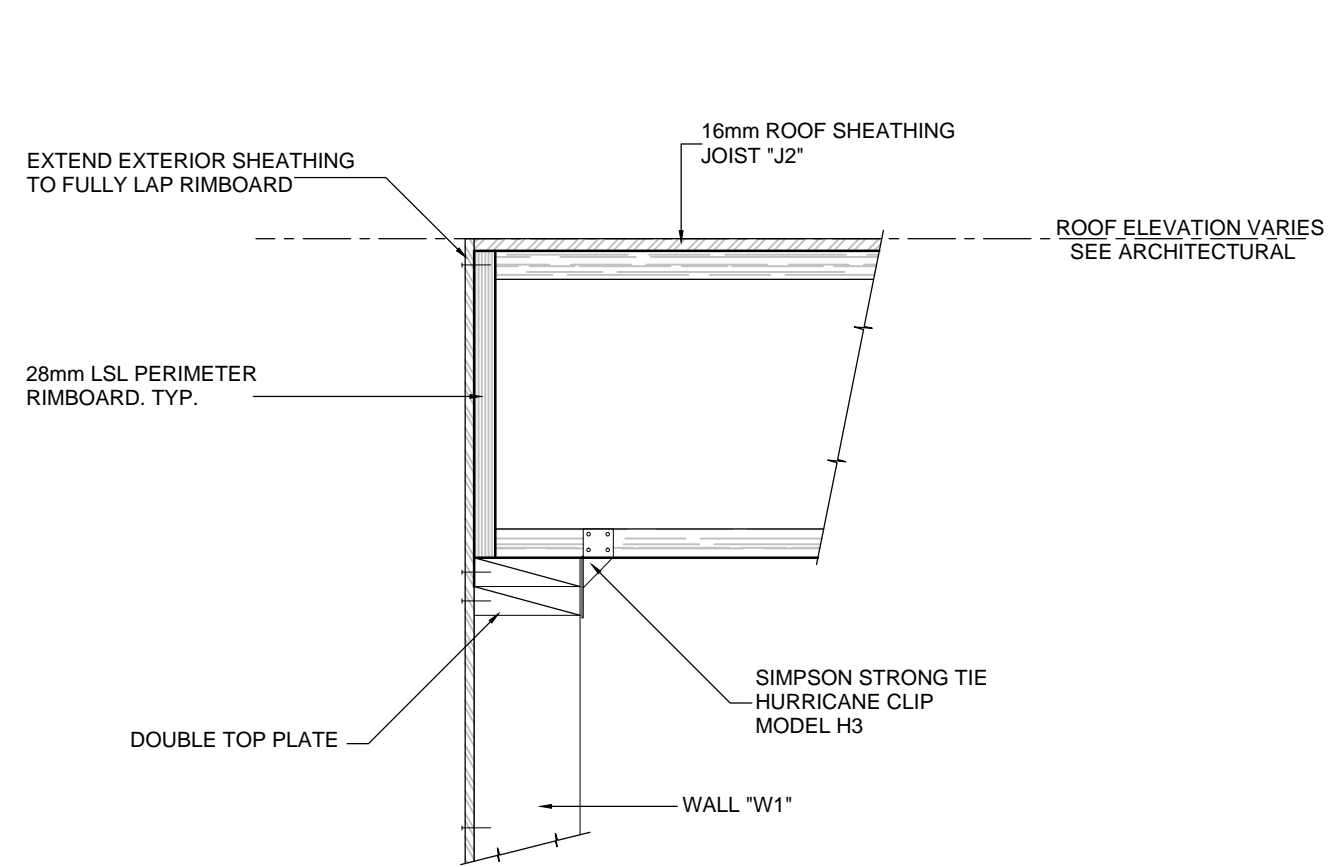
Revisions	Date	Description
4	09-Feb-18	Issued for Tender
3	01-Feb-18	100% Construction Documents
2	15-Dec-17	66% Construction Documents
1	15-Nov-17	Design Development
#	Date	Description
Revisions		
Date: November 8, 2017		

Project: NUNAVUT WATER BOARD NEW OFFICE BUILDING	
Gjoa Haven, NU	
project north	Design by: BN
Drawn by: U	Scale: As Noted
Sheet name:	

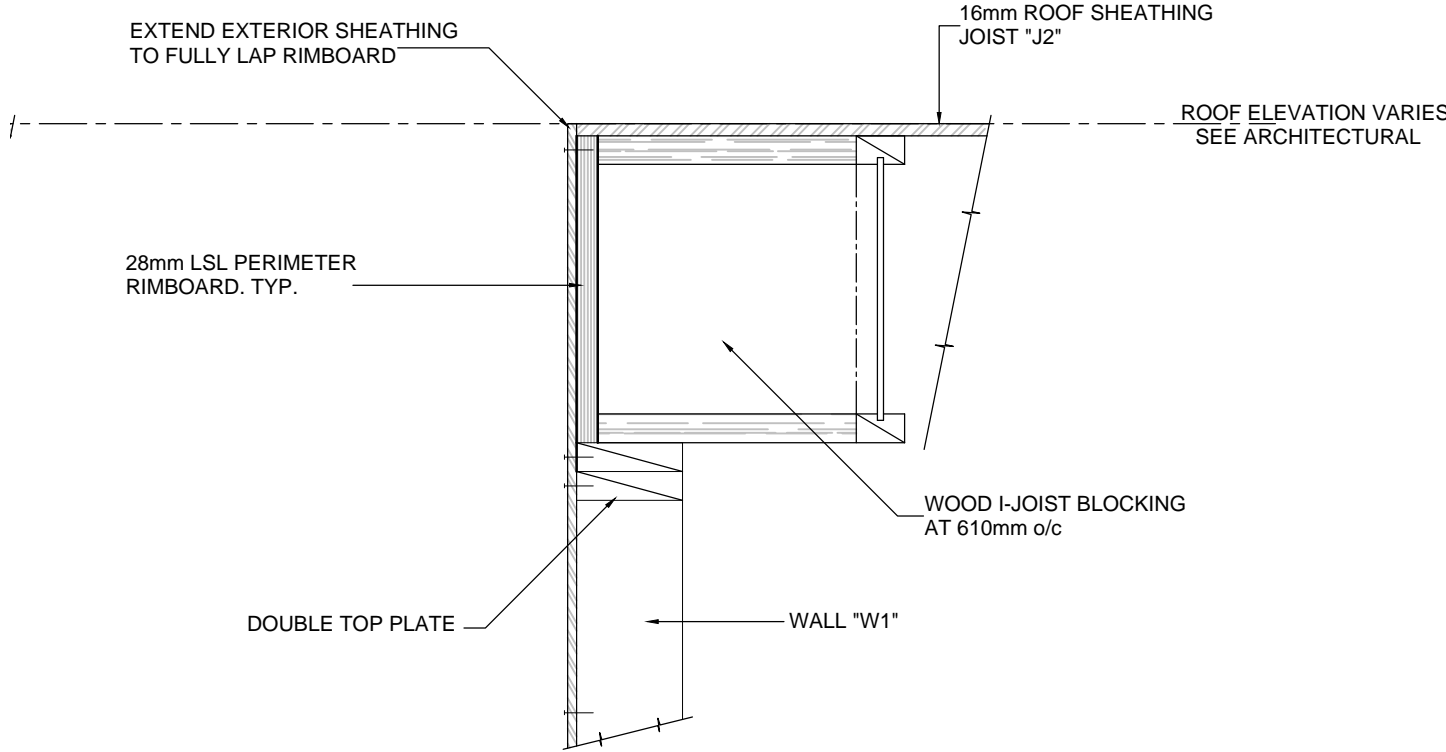
WHEELCHAIR RAMP AND ACCESS STAIR FRAMING AND DETAILS

Project #
17-017

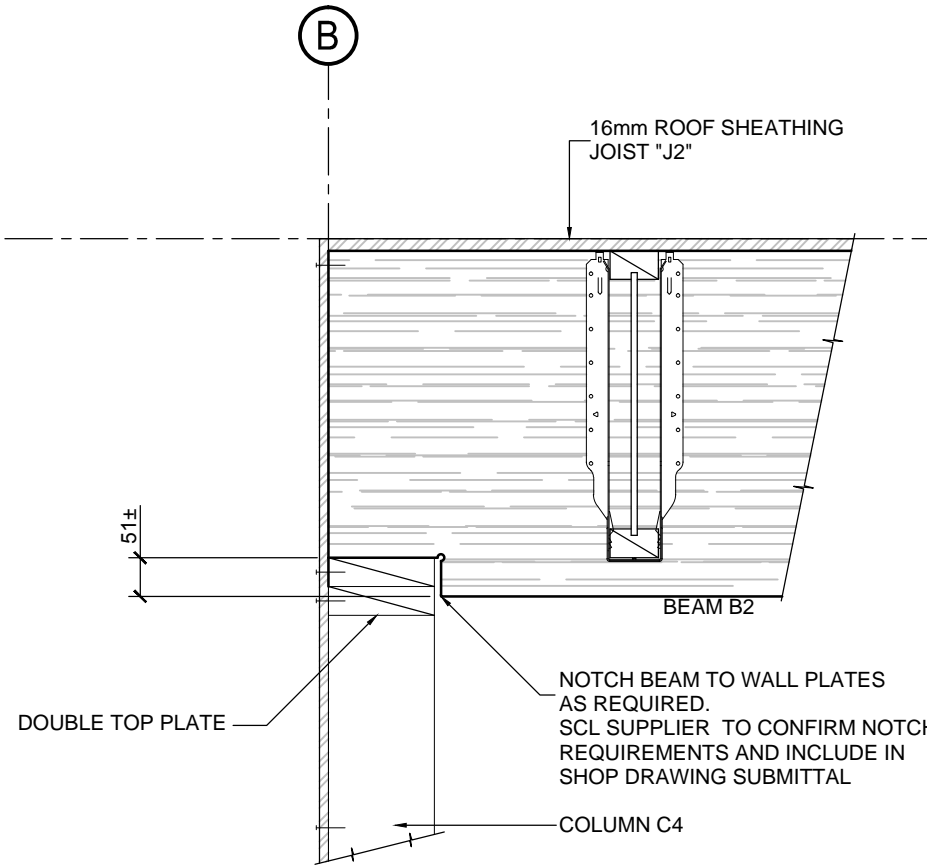
Drawing #
S303



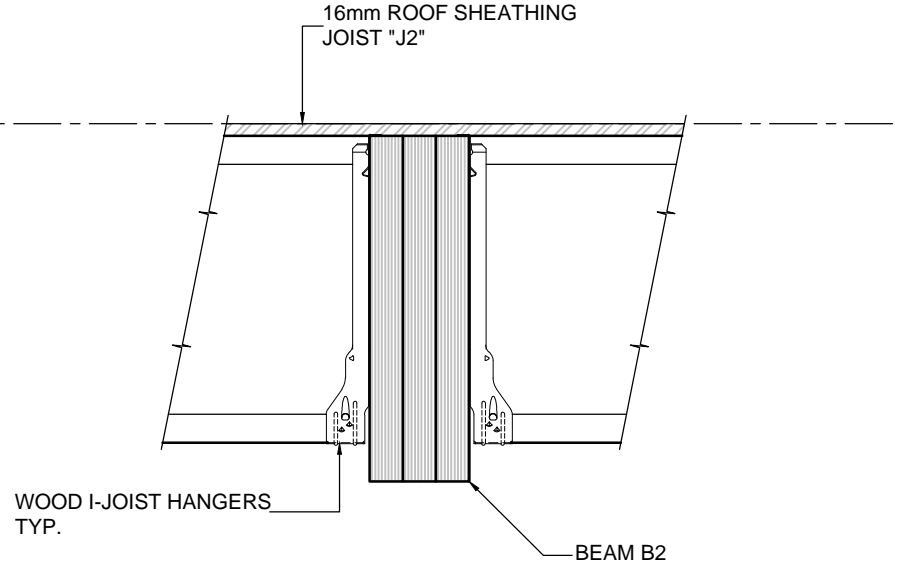
1 TYPICAL ROOF EDGE DETAIL
SCALE: 1:10



2 TYPICAL ROOF EDGE DETAIL
SCALE: 1:10

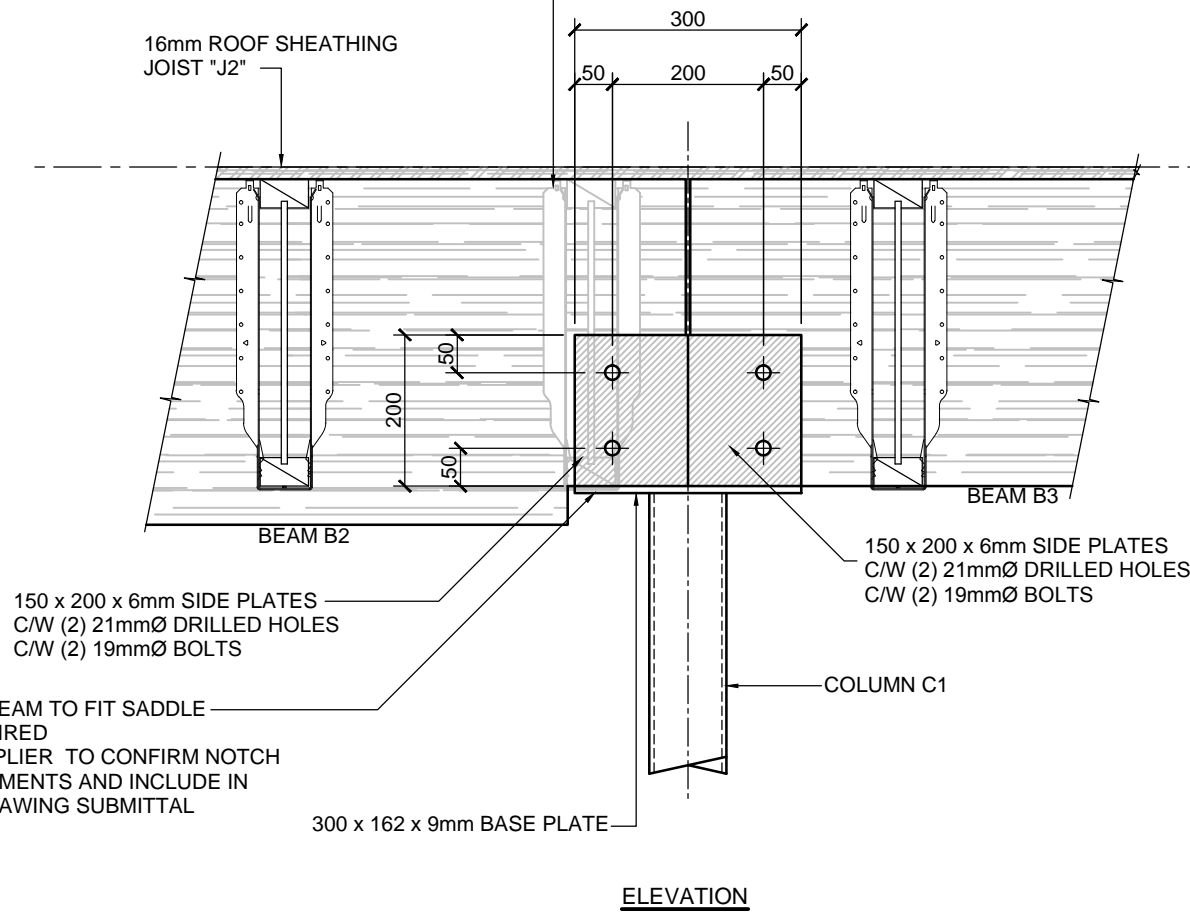


3 BEAM B2 END ELEVATION
SCALE: 1:10

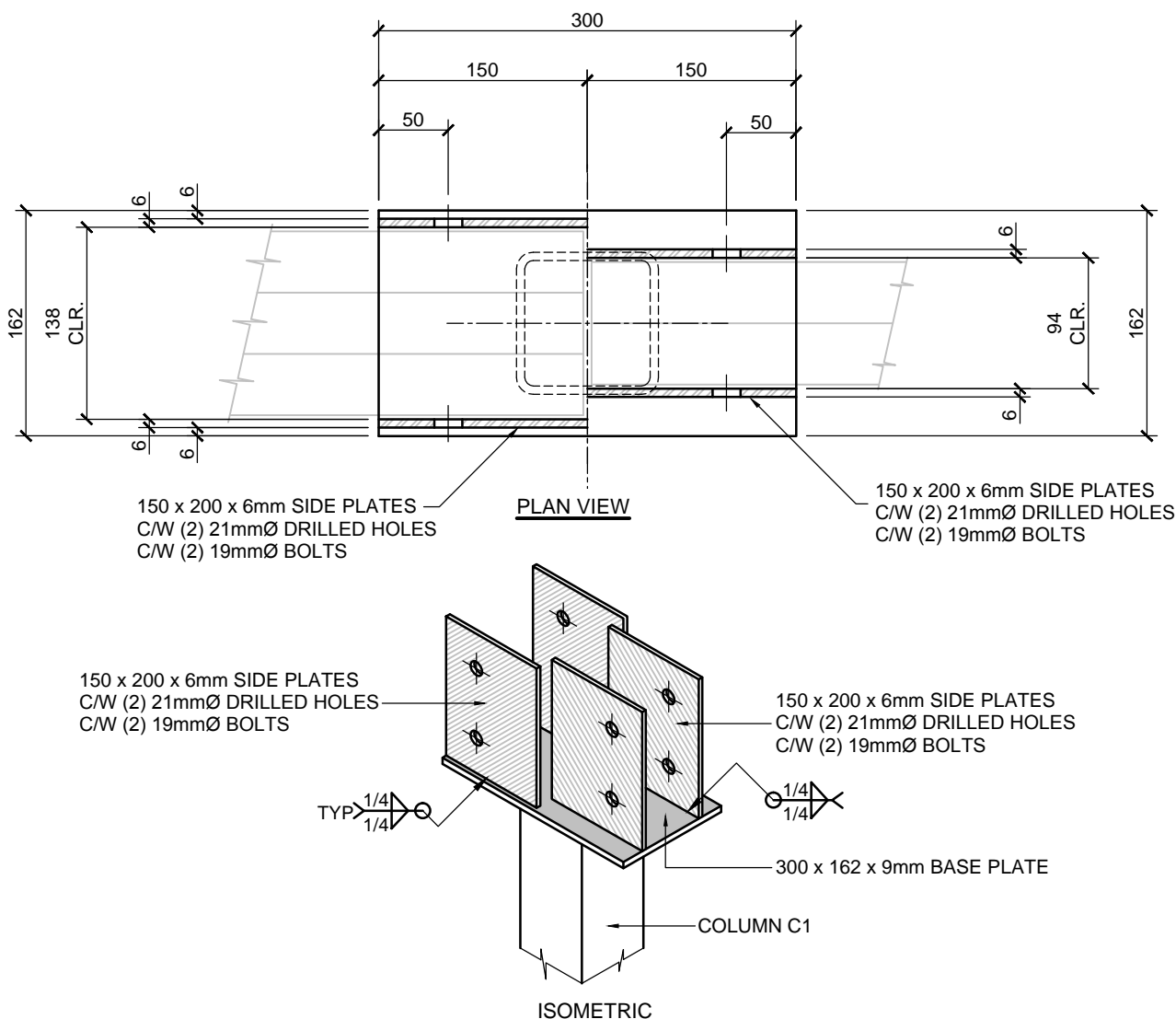


4 BEAM B2 SECTION
SCALE: 1:10

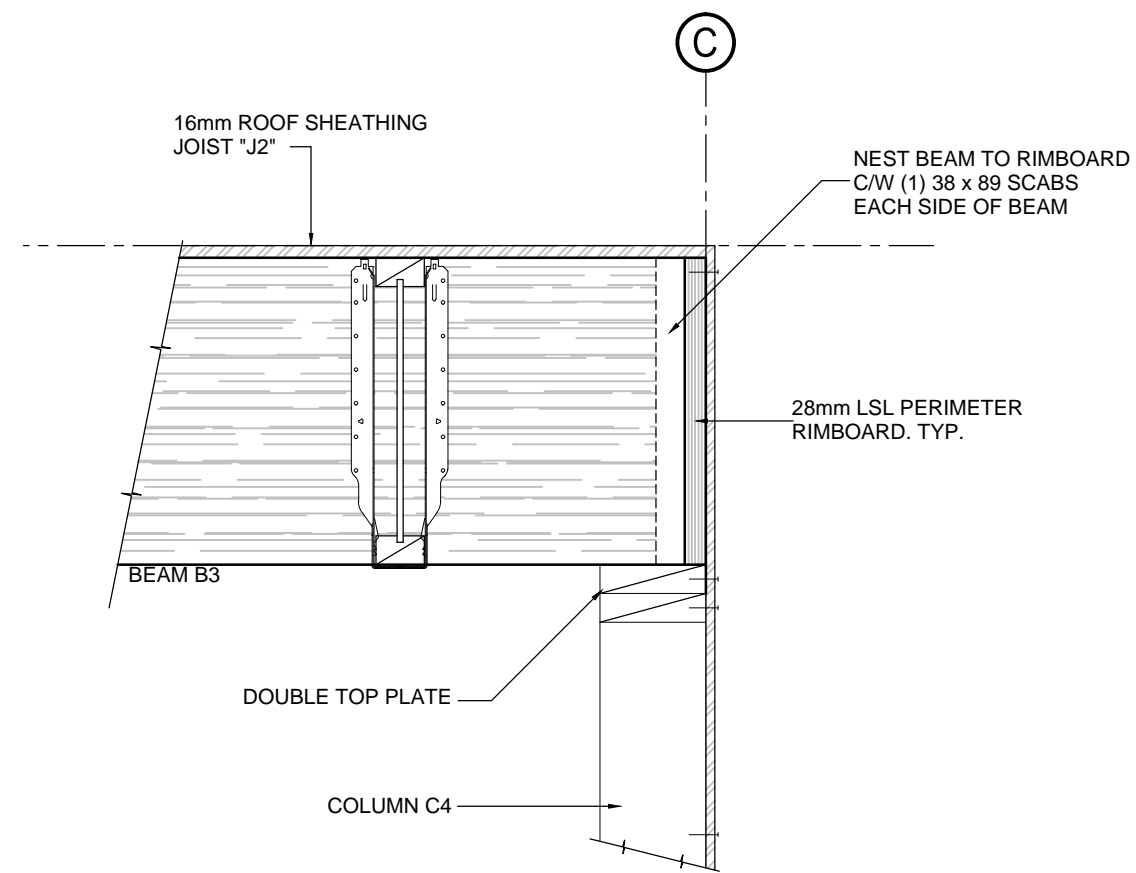
CONTRACTOR'S NOTE:
JOIST LOCATIONS THAT CONFLICT WITH COLUMN CAP LOCATIONS ARE TO BE FITTED WITH TOP MOUNT JOIST HANGER INSTALLED AS PER MANUFACTURER'S INSTRUCTION OR JOIST SUPPLIER TO PROVIDE HEADER DETAIL AS REQUIRED.



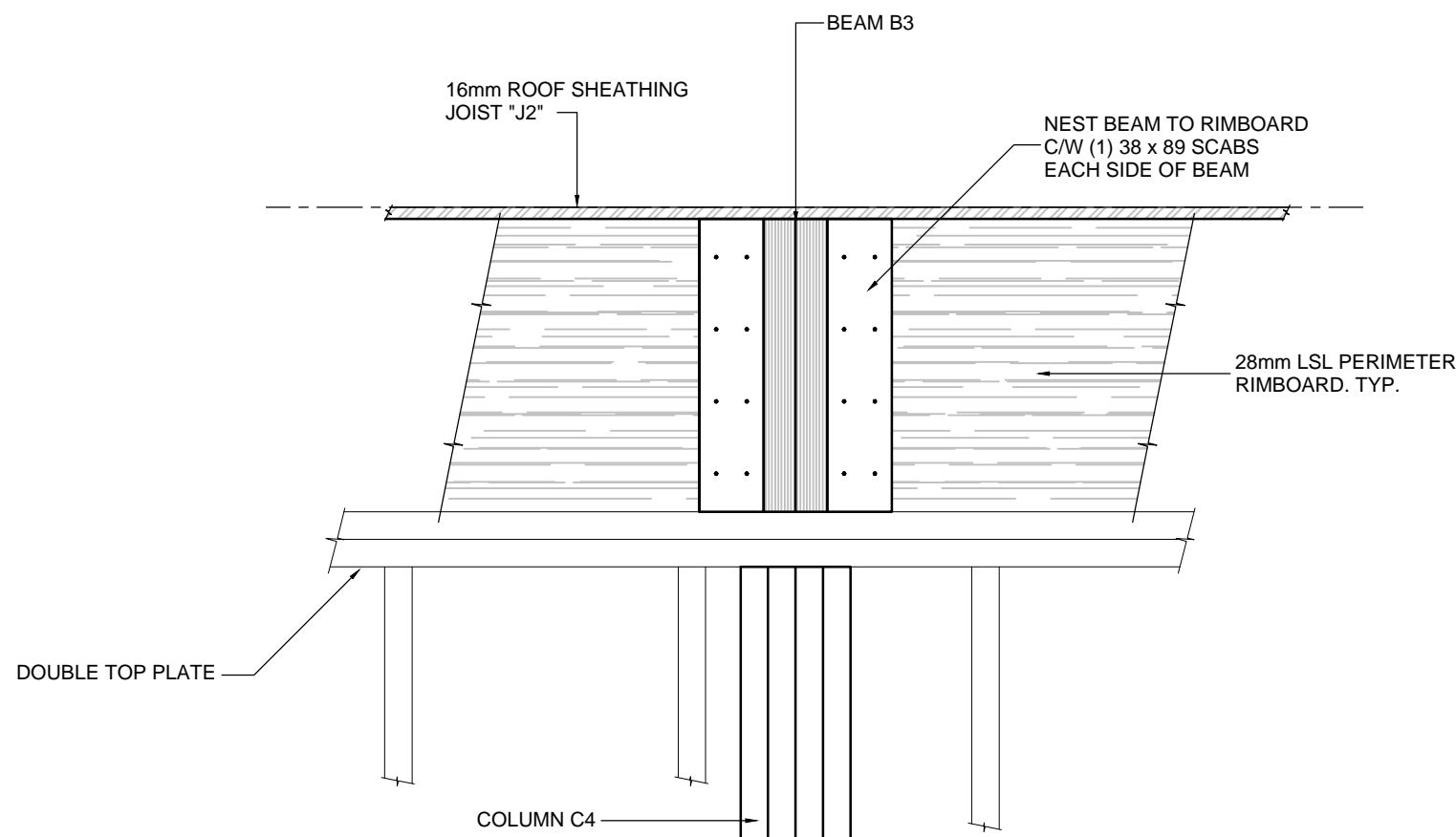
5 COLUMN CAP "CC1"
SCALE: 1:10



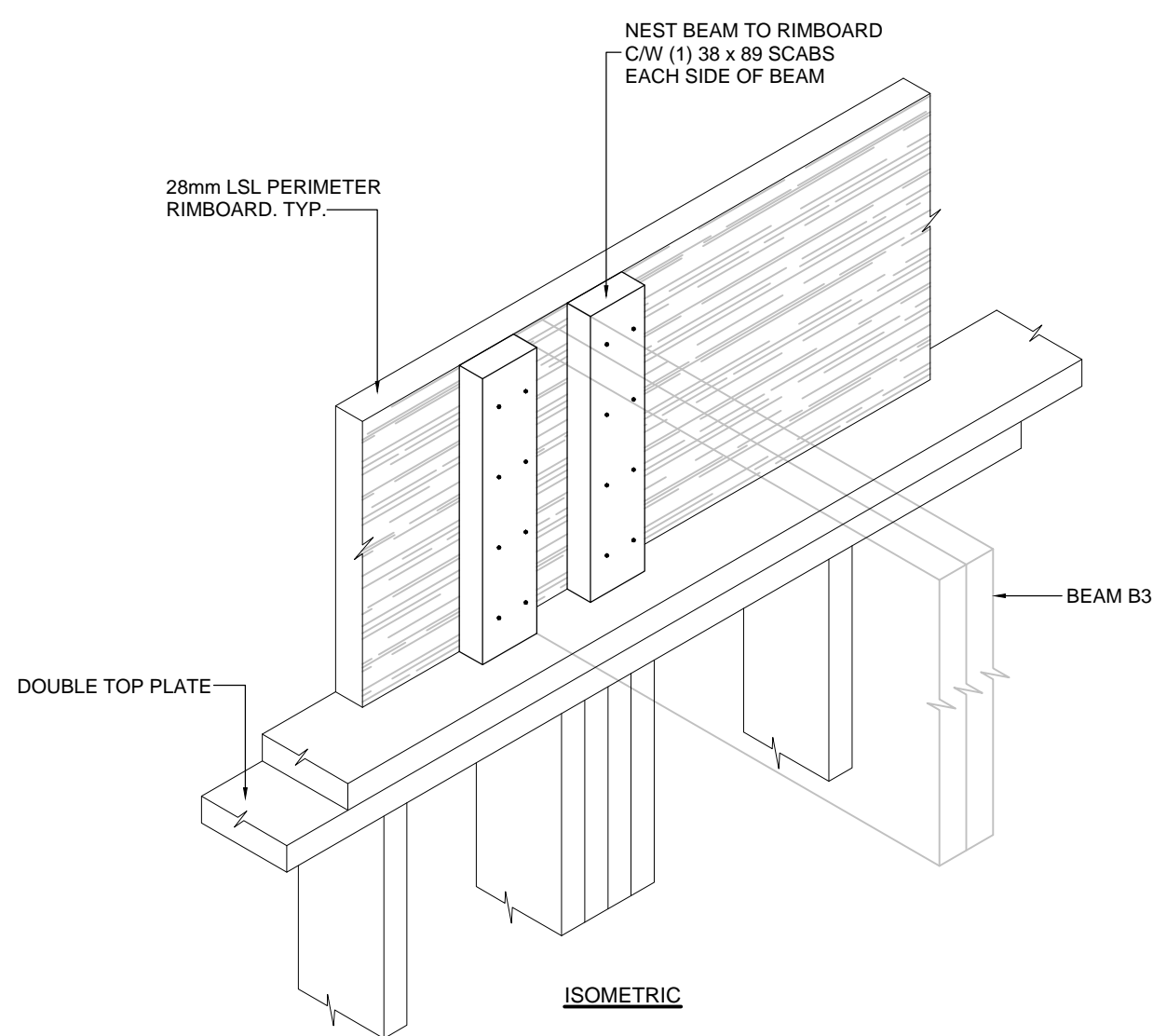
6 COLUMN CAP "CC2"
SCALE: 1:10



7 BEAM END DETAIL
SCALE: 1:10

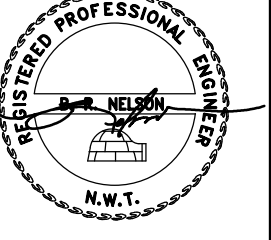
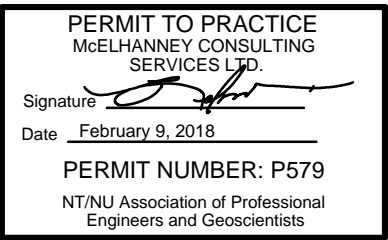


8 BEAM END DETAIL
SCALE: 1:10



9 BEAM END DETAIL
SCALE: 1:10

CONTRACTOR'S NOTE:
DIMENSIONS SHOWN ON THE STRUCTURAL DRAWINGS ARE FOR REFERENCE ONLY. REFER TO ARCHITECTURAL PLANS FOR ALL DIMENSIONS AND REPORT ANY/ALL DISCREPANCIES TO THE ARCHITECT AND ENGINEER PRIOR TO CONSTRUCTION.



THIS DRAWING AND DESIGN IS THE PROPERTY OF McELHANNEY CONSULTING SERVICES LTD. (McELHANNEY) AND SHALL NOT BE USED, REUSED OR REPRODUCED WITHOUT THE CONSENT OF McELHANNEY.

McELHANNEY WILL NOT BE HELD RESPONSIBLE FOR THE IMPROPER OR UNAUTHORIZED USE OF THIS DRAWING AND DESIGN.

THIS DRAWING AND DESIGN HAS BEEN PREPARED FOR THE CLIENT IDENTIFIED, TO MEET THE STANDARDS AND REQUIREMENTS OF THE APPLICABLE PUBLIC AGENCIES AT THE TIME OF PREPARATION.

McELHANNEY, ITS EMPLOYEES, SUBCONSULTANTS AND AGENTS WILL NOT BE LIABLE FOR ANY LOSSES OR OTHER CONSEQUENCES RESULTING FROM THE USE OR RELIANCE UPON, OR ANY CHANGES MADE TO, THIS DRAWING, BY ANY THIRD PARTY, INCLUDING CONTRACTORS, SUPPLIERS, CONSULTANTS AND STAKEHOLDERS, OR THEIR EMPLOYEES OR AGENTS, WITHOUT McELHANNEY'S PRIOR WRITTEN CONSENT.

THIS DRAWING IS PART OF A COMPLETE SET OF DRAWINGS AND IS TO BE READ IN CONJUNCTION WITH ALL SHEETS WITHIN THE DRAWING SET. REFER TO ALL SHEETS INCLUDING STRUCTURAL NOTES PROVIDED ON SHEET S101.

THIS DRAWING IS INTENDED FOR THE STRUCTURAL CONSTRUCTION OF THIS PARTICULAR PROJECT AND IS NOT INTENDED TO BE USED AS A RECORD DRAWING UNLESS SPECIFICALLY NOTED AS SUCH.

McELHANNEY RECOMMENDS THE OWNER ENGAGES ALL PROFESSIONAL ASPECTS FOR THIS PROJECT FOR ALL APPLICABLE DISCIPLINES INCLUDING BUT NOT LIMITED TO: ARCHITECTURAL, CIVIL, MECHANICAL, ELECTRICAL AND GEOTECHNICAL PROFESSIONS.

THE PROFESSIONAL SEAL APPLIED TO THESE DRAWINGS APPLIES ONLY TO THE STRUCTURAL ASPECT OF THIS PROJECT. OTHER ELEMENTS SHOWN ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SPECIFIED BY OTHERS AND IS NOT WITHIN THE SCOPE OF WORK OF BY McELHANNEY.

ALL DIMENSIONS TO BE SITE VERIFIED BY CONTRACTOR

4	09-Feb-18	Issued for Tender
3	01-Feb-18	100% Construction Documents
2	15-Dec-17	66% Construction Documents
1	15-Nov-17	Design Development
#	Date	Description

Revisions

Date: November 8, 2017

Project: **NUNAVUT WATER BOARD
NEW OFFICE BUILDING**

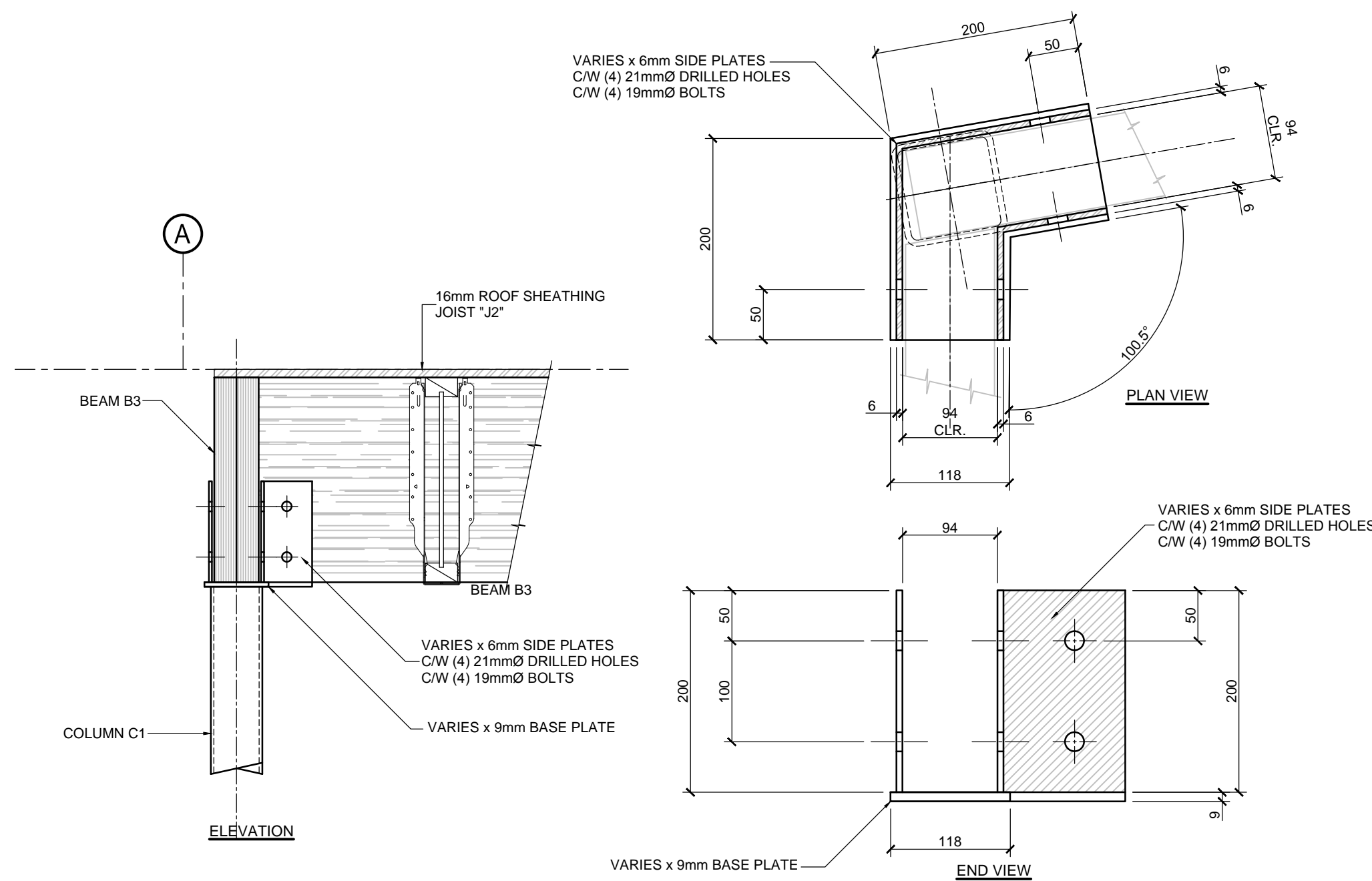
Gjoa Haven, NU

project north
Design by: BN
Drawing by: U
Scale: As Noted

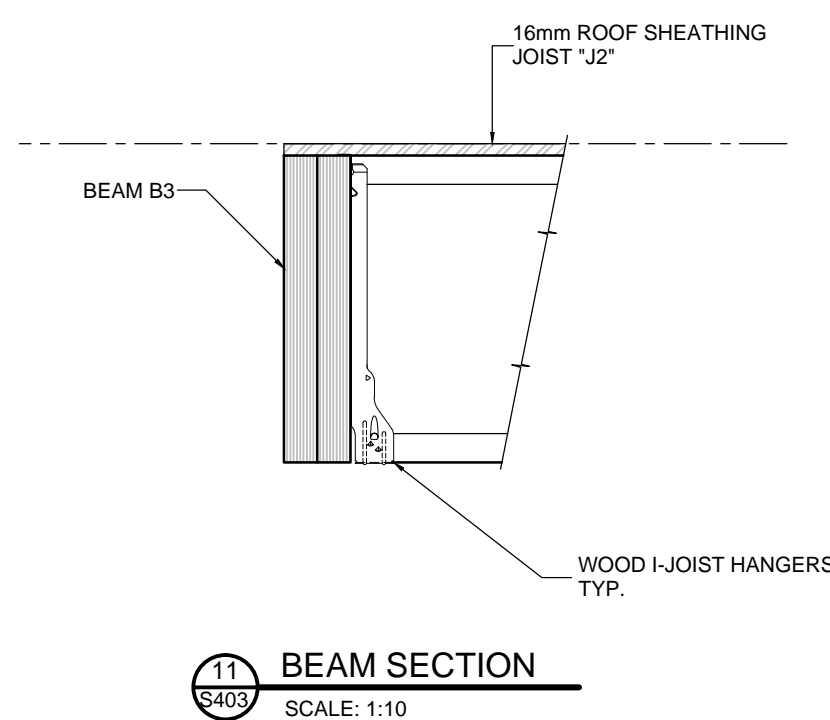
Sheet name:
**ROOF
FRAMING DETAILS**

Project #
17-017

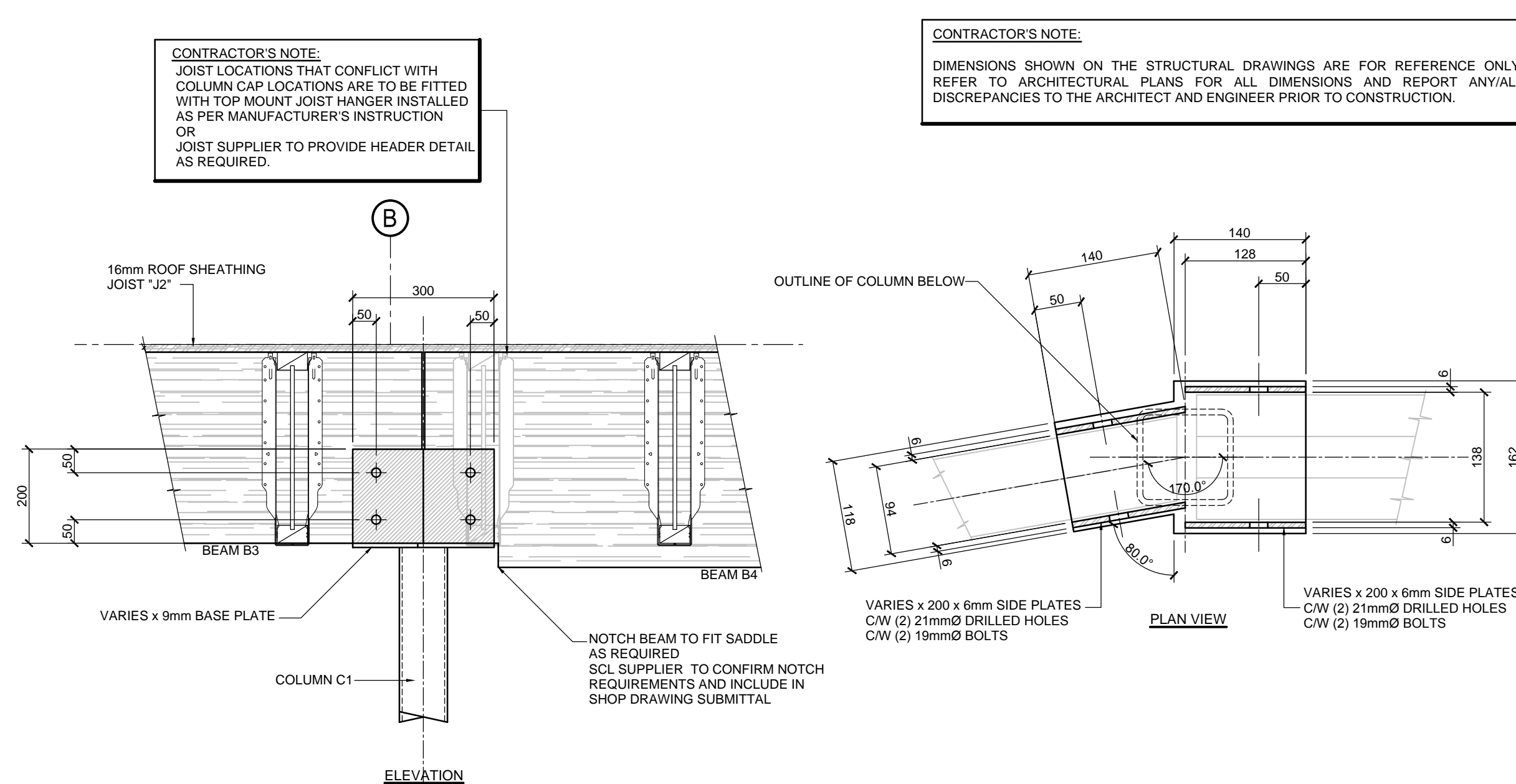
Drawing #
S402



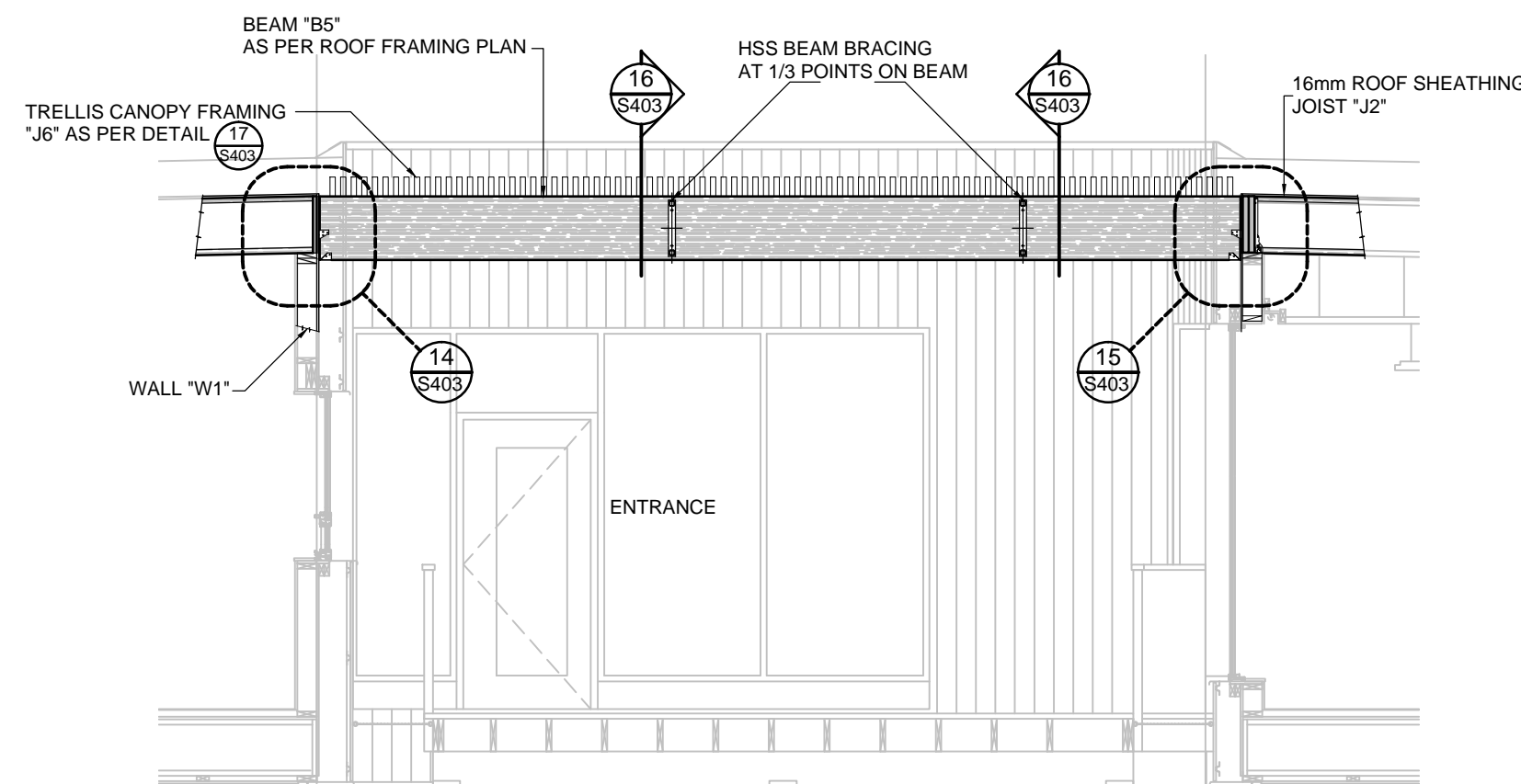
10 COLUMN CAP "CC3" DETAILS
SCALE: 1:10



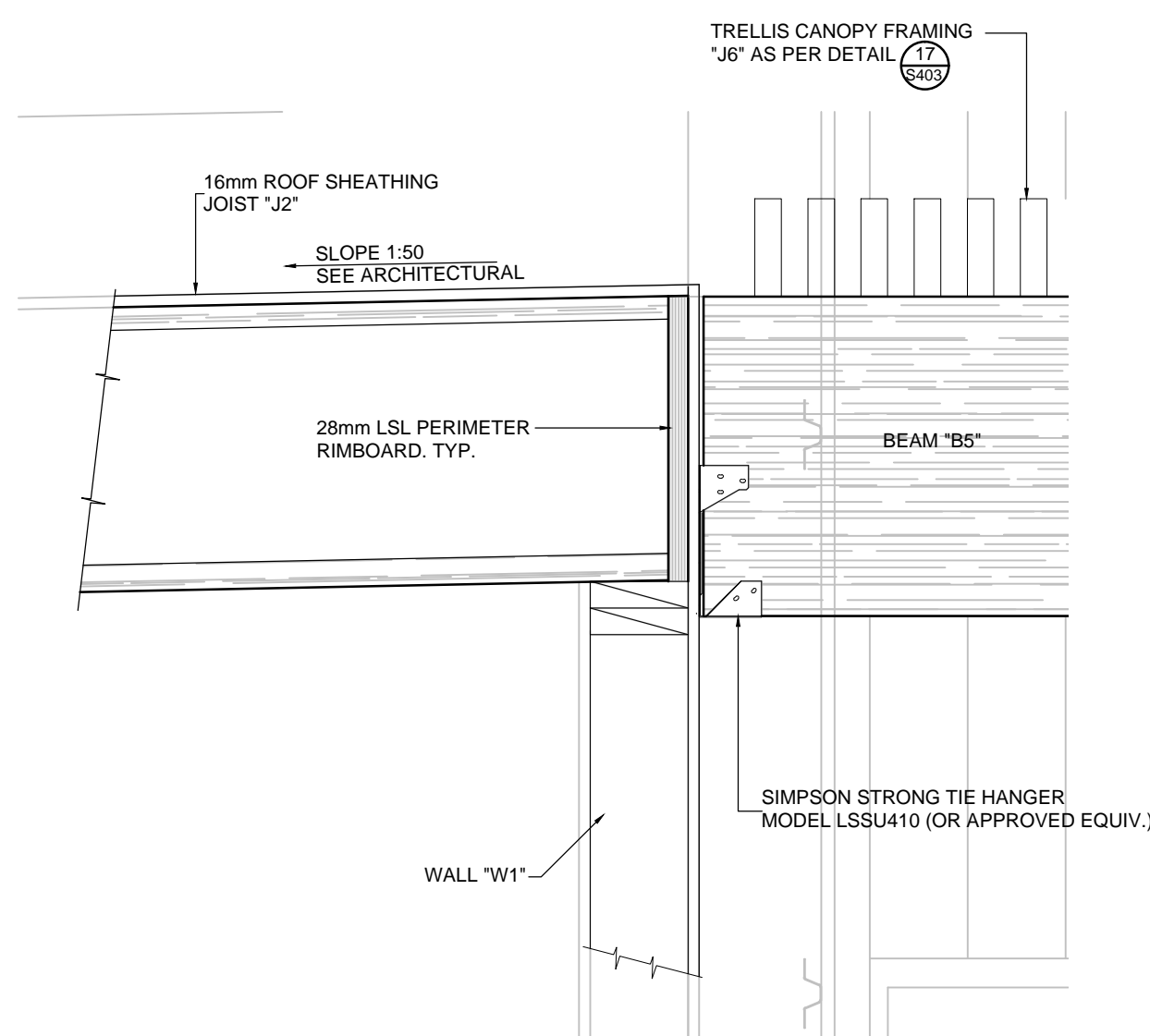
11 BEAM SECTION
SCALE: 1:10



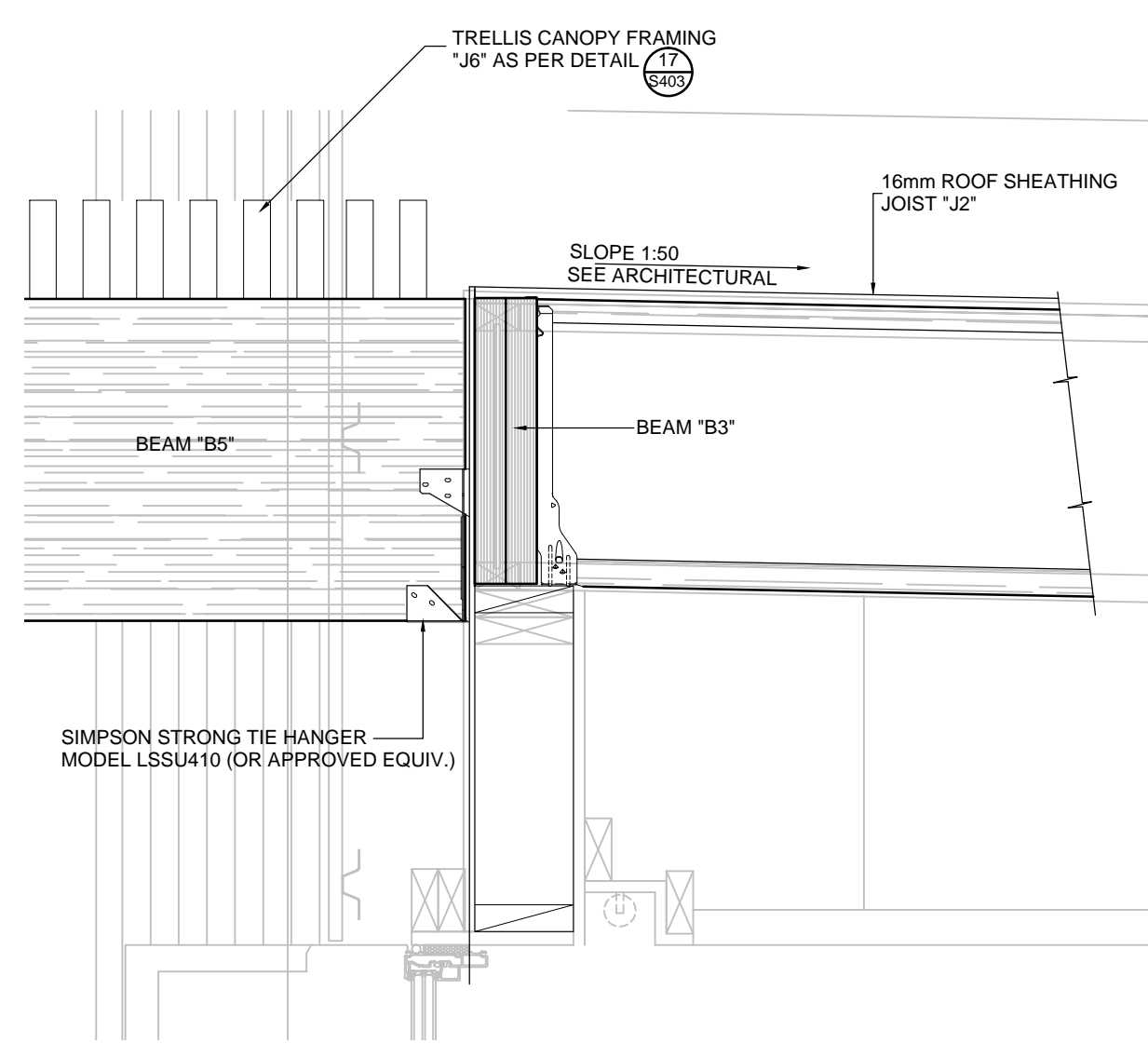
12 COLUMN CAP "CC4" DETAILS
SCALE: 1:10



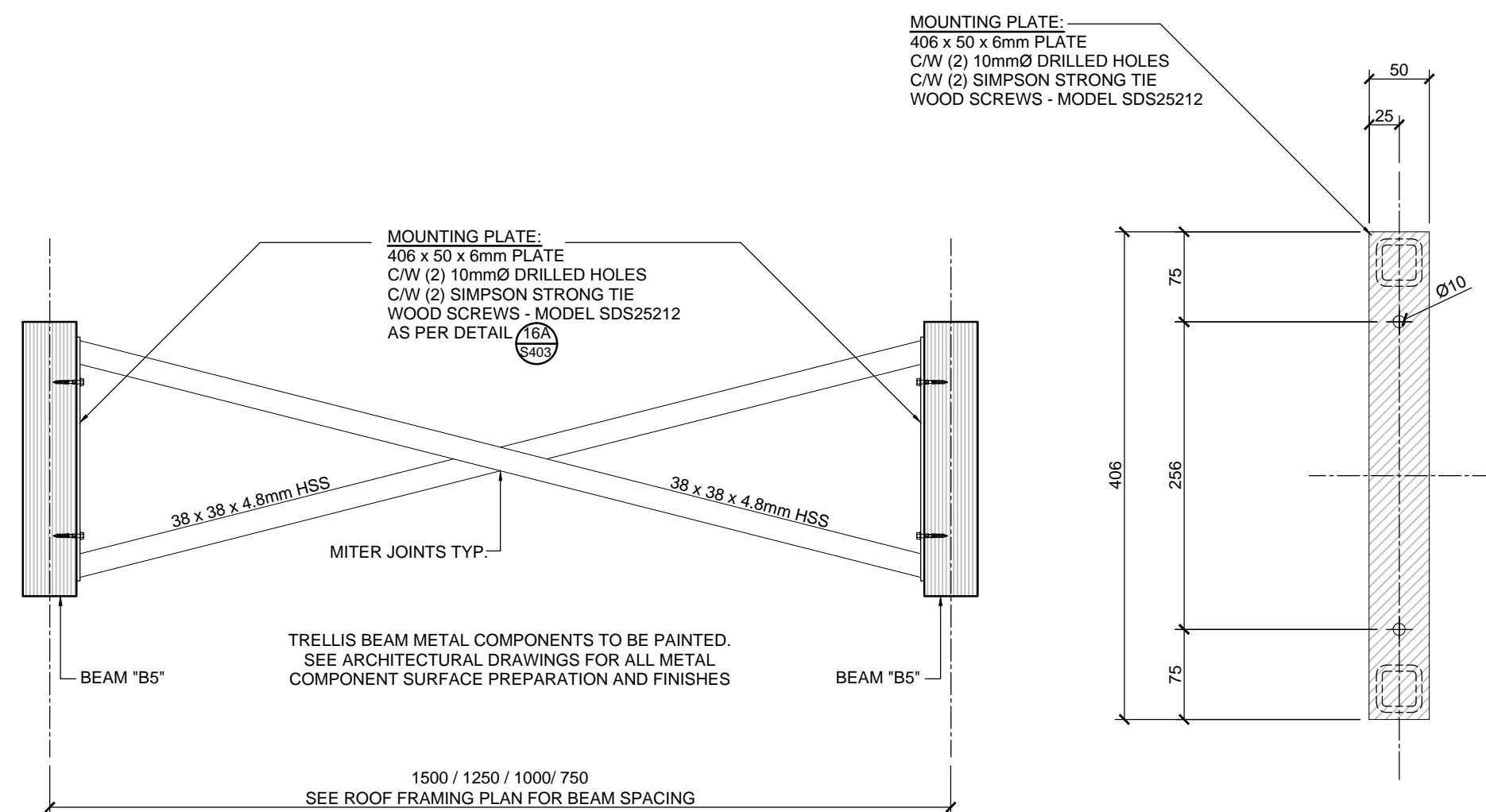
13 ENTRANCE SECTION
SCALE: 1:10



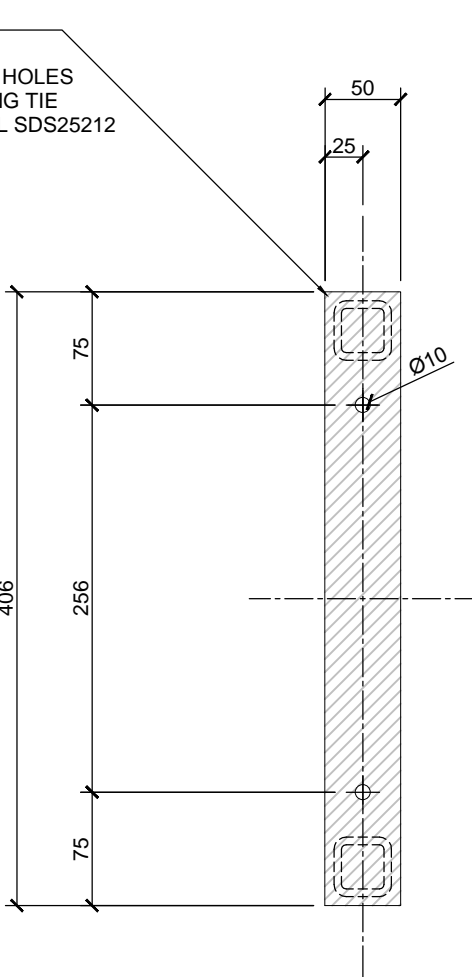
14 TRELLIS BEAM CONNECTION DETAIL
SCALE: 1:10



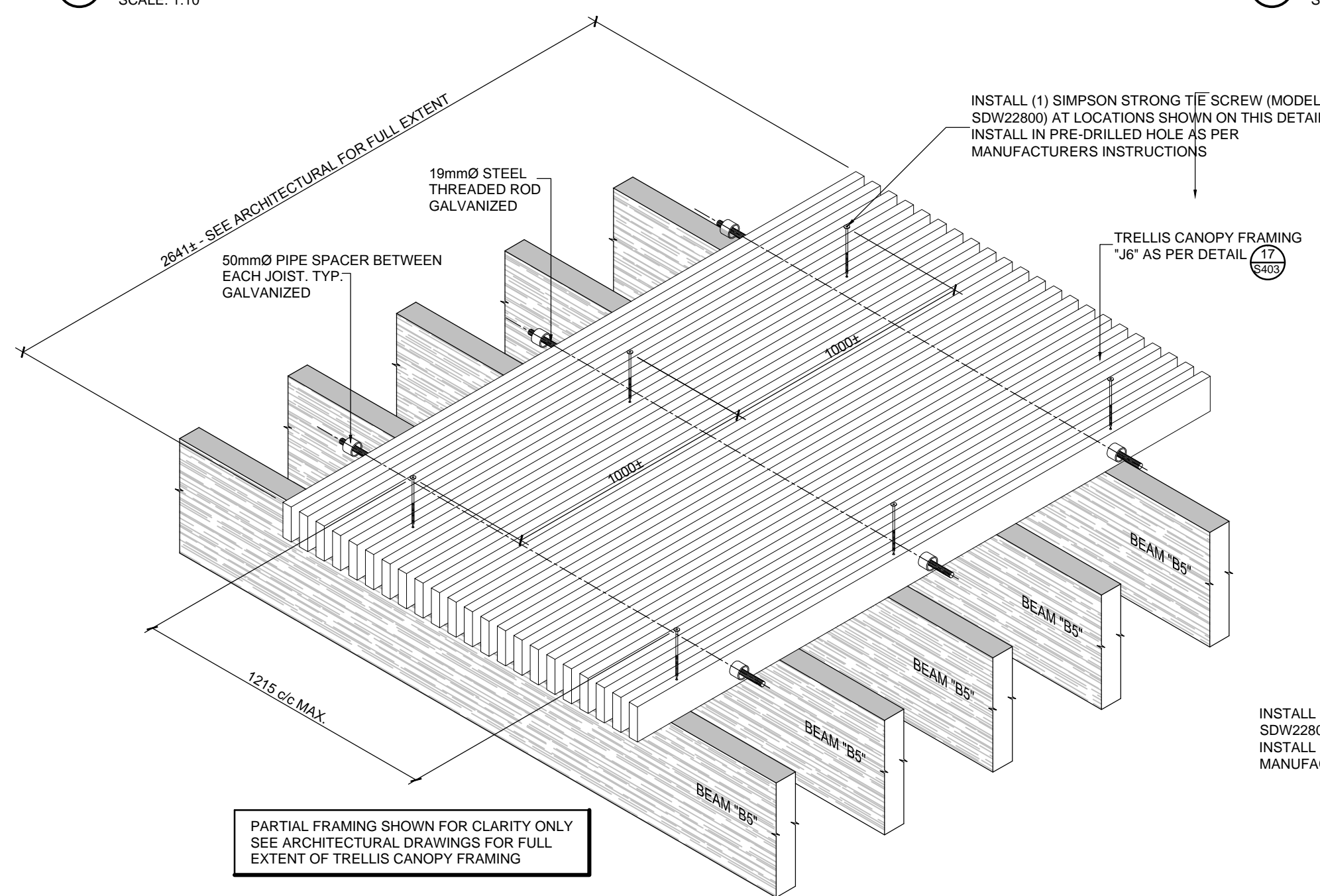
15 TRELLIS BEAM CONNECTION DETAIL
SCALE: 1:10



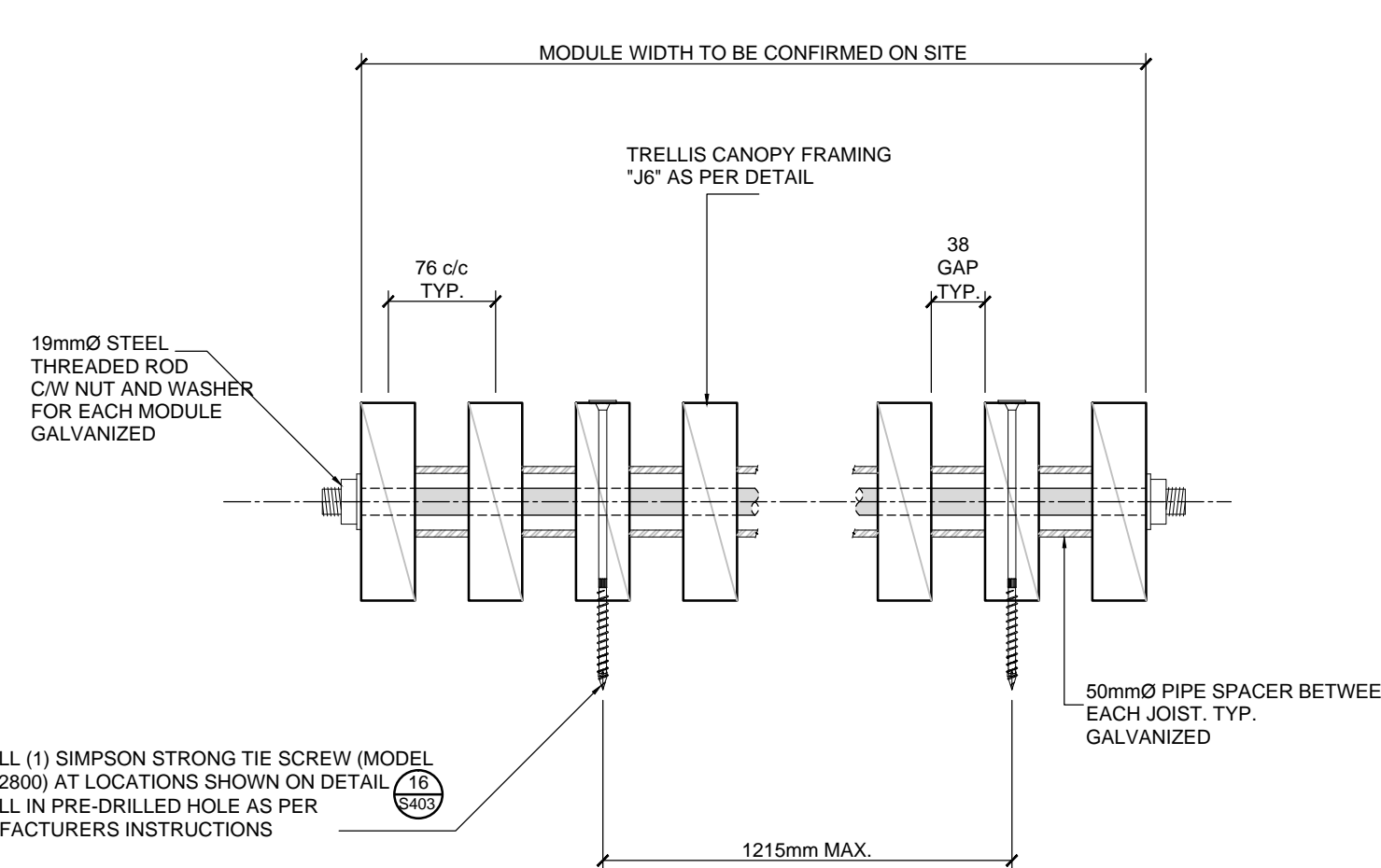
16 TRELLIS BEAM BRACING DETAIL
SCALE: 1:10



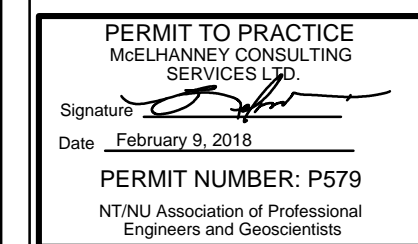
16A BRACING MOUNTING PLATE DETAIL
SCALE: 1:10



17 TYPICAL ENTRANCE TRELLIS CANOPY FRAMING
SCALE: 1:20



18 TYPICAL ENTRANCE TRELLIS CANOPY SECTION
SCALE: 1:5



THIS DRAWING AND DESIGN IS THE PROPERTY OF McELHANNEY CONSULTING SERVICES LTD. (McELHANNEY) AND SHALL NOT BE USED, REUSED OR REPRODUCED WITHOUT THE CONSENT OF McELHANNEY.

McELHANNEY WILL NOT BE HELD RESPONSIBLE FOR THE IMPROPER OR UNAUTHORIZED USE OF THIS DRAWING AND DESIGN.

THIS DRAWING AND DESIGN HAS BEEN PREPARED FOR THE CLIENT IDENTIFIED, TO MEET THE STANDARDS AND REQUIREMENTS OF THE APPLICABLE PUBLIC AGENCIES AT THE TIME OF PREPARATION.

McELHANNEY, ITS EMPLOYEES, SUBCONSULTANTS AND AGENTS WILL NOT BE LIABLE FOR ANY LOSSES OR OTHER CONSEQUENCES RESULTING FROM THE USE OR RELIANCE UPON, OR ANY CHANGES MADE TO, THIS DRAWING, BY ANY THIRD PARTY, INCLUDING CONTRACTORS, SUPPLIERS, CONSULTANTS AND STAKEHOLDERS, OR THEIR EMPLOYEES OR AGENTS, WITHOUT McELHANNEY'S PRIOR WRITTEN CONSENT.

THIS DRAWING IS PART OF A COMPLETE SET OF DRAWINGS AND IS TO BE READ IN CONJUNCTION WITH ALL SHEETS WITHIN THE DRAWING SET. REFER TO ALL SHEETS INCLUDING STRUCTURAL NOTES PROVIDED ON SHEET S101.

THIS DRAWING IS INTENDED FOR THE STRUCTURAL CONSTRUCTION OF THIS PARTICULAR PROJECT AND IS NOT INTENDED TO BE USED AS A RECORD DRAWING UNLESS SPECIFICALLY NOTED AS SUCH.

McELHANNEY RECOMMENDS THE OWNER ENGAGES ALL PROFESSIONAL ASPECTS FOR THIS PROJECT FOR ALL APPLICABLE DISCIPLINES INCLUDING BUT NOT LIMITED TO: ARCHITECTURAL, CIVIL, MECHANICAL, ELECTRICAL AND GEOTECHNICAL PROFESSIONS.

THE PROFESSIONAL SEAL APPLIED TO THESE DRAWINGS APPLIES ONLY TO THE STRUCTURAL ASPECT OF THIS PROJECT. OTHER ELEMENTS SHOWN ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SPECIFIED BY OTHERS AND IS NOT WITHIN THE SCOPE OF WORK OF BY McELHANNEY.

ALL DIMENSIONS TO BE SITE VERIFIED BY CONTRACTOR

4	09-Feb-18	Issued for Tender
3	01-Feb-18	100% Construction Documents
2	15-Dec-17	66% Construction Documents
1	15-Nov-17	Design Development

#	Date	Description
Revisions		

Date: November 8, 2017

Project: **NUNAVUT WATER BOARD
NEW OFFICE BUILDING**

Gjoa Haven, NU

project north	Design by: BN
True north	Drawing by: U
	Scale: As Noted

Sheet name:

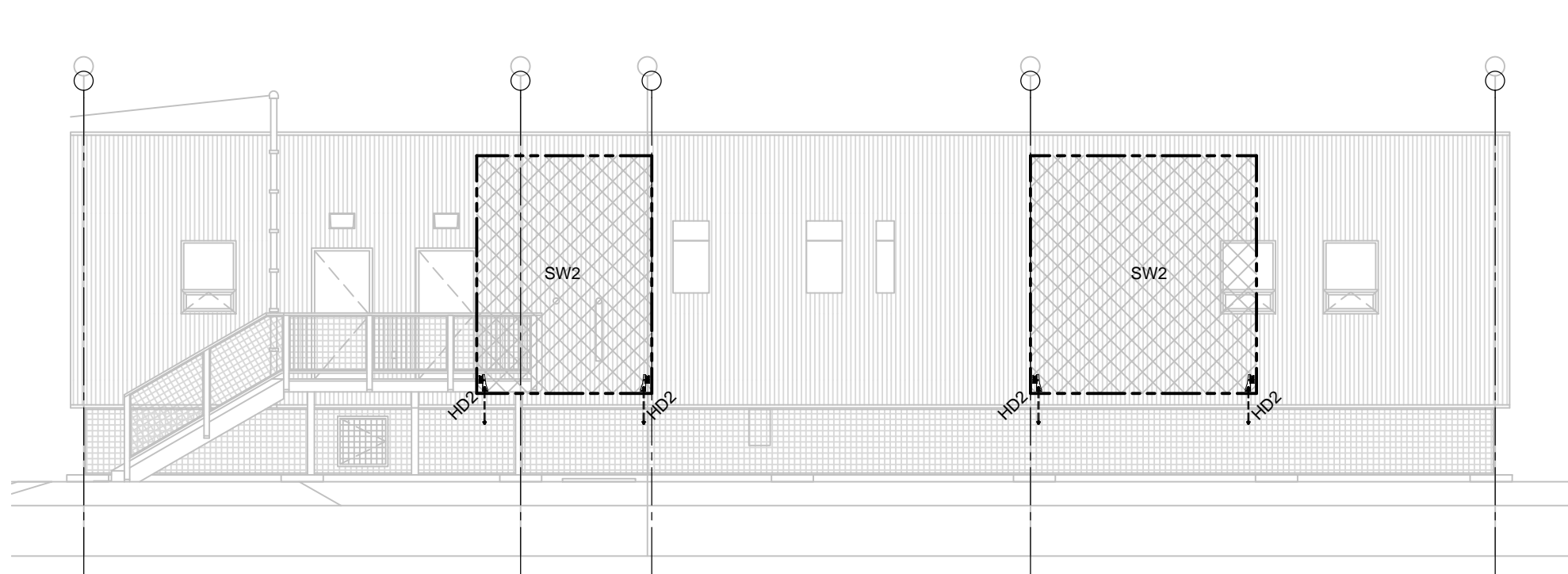
**ROOF AND TRELLIS
FRAMING DETAILS**

Project #

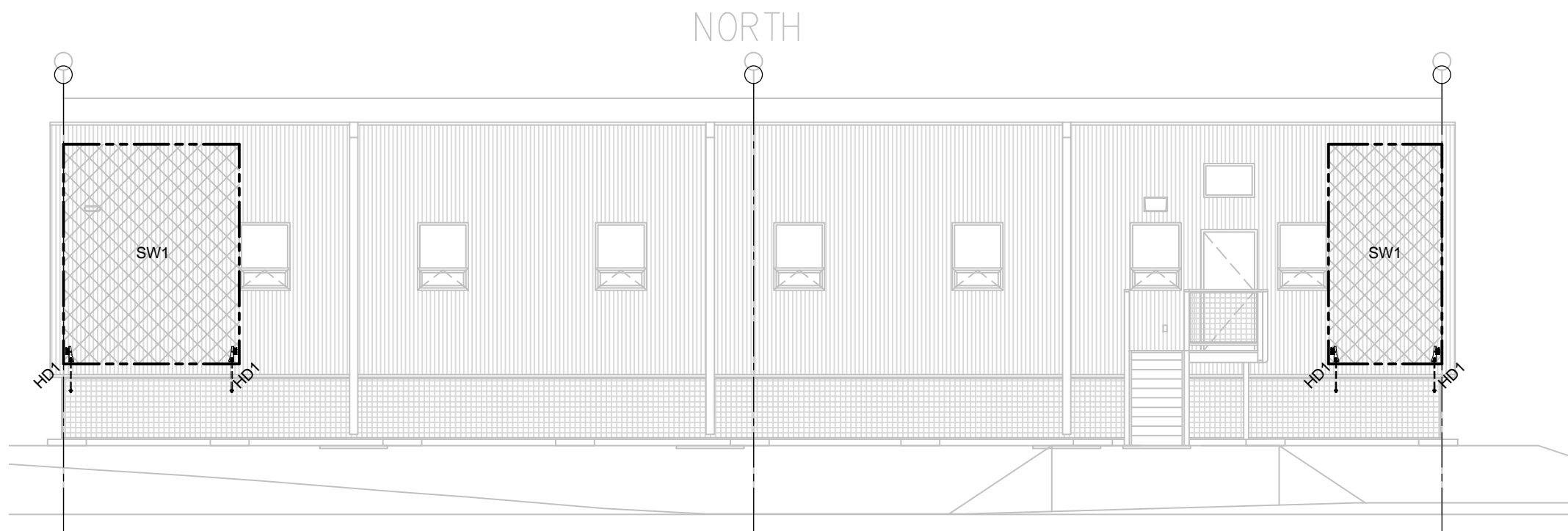
17-017

Drawing #

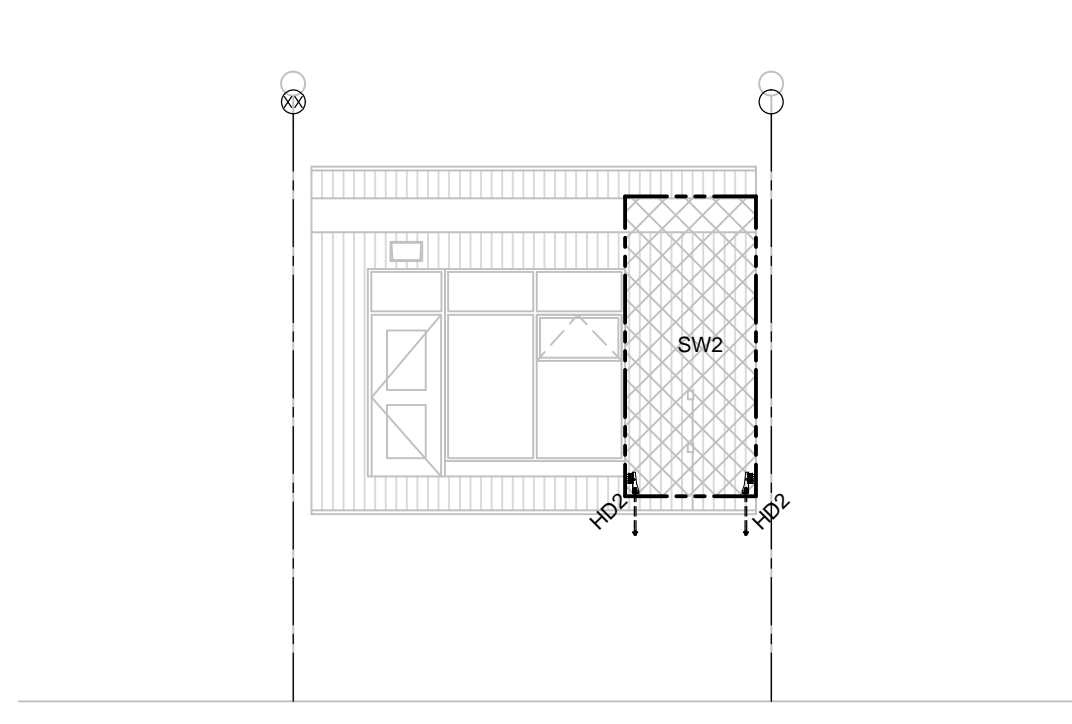
S403



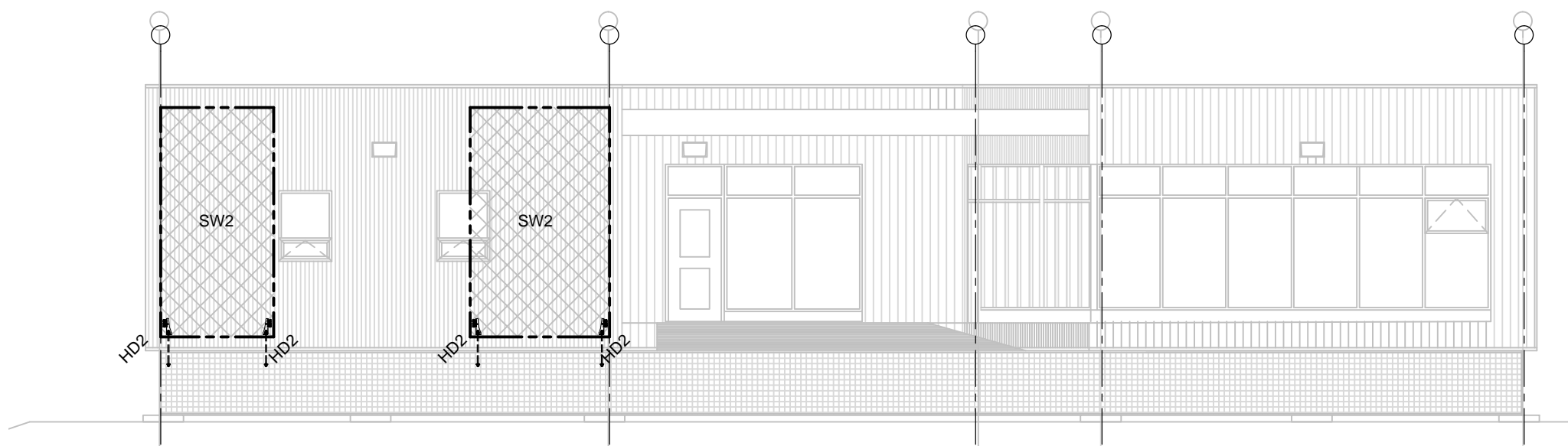
A EAST EXTERIOR WALL ELEVATION
SCALE: 1:100



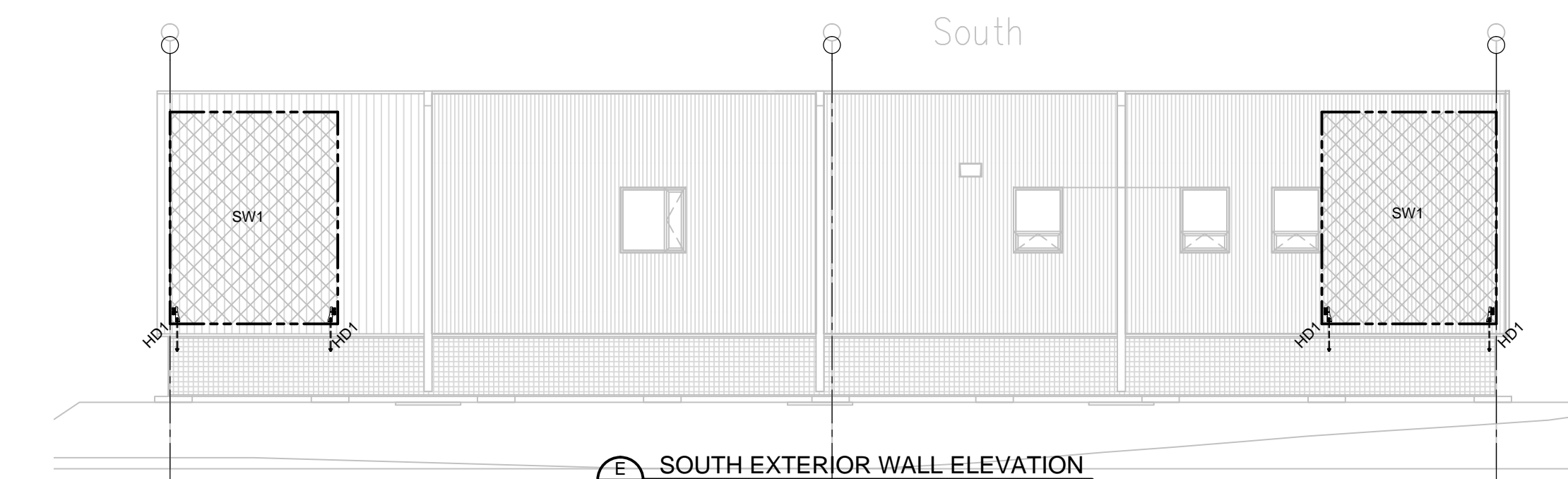
B NORTH EXTERIOR WALL ELEVATION
SCALE: 1:100



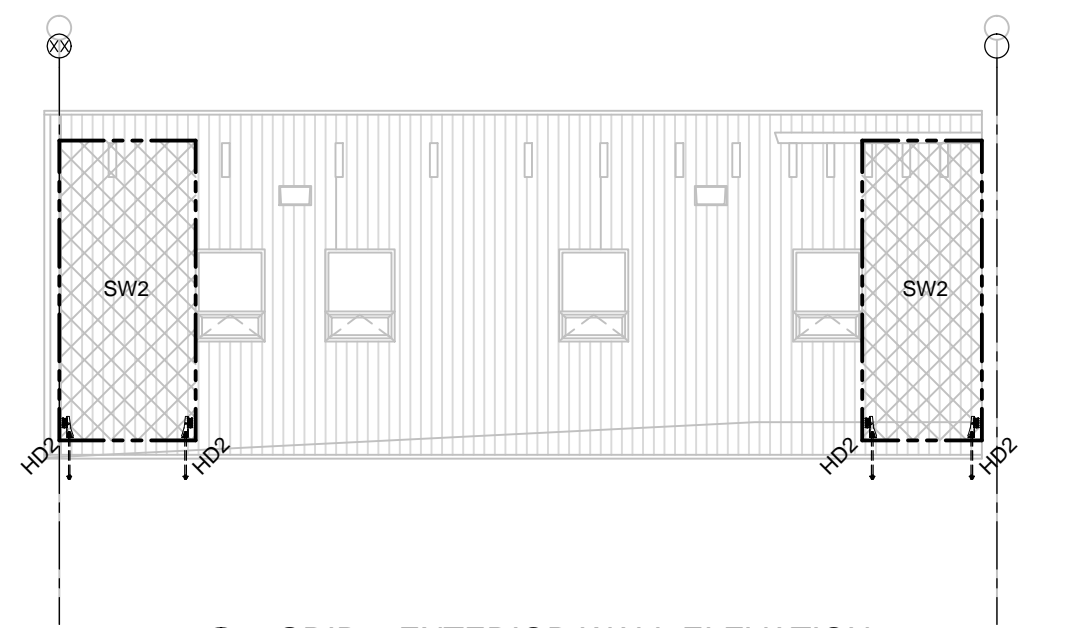
C GRID B EXTERIOR WALL ELEVATION
SCALE: 1:100



D WEST EXTERIOR WALL ELEVATION
SCALE: 1:100



E SOUTH EXTERIOR WALL ELEVATION
SCALE: 1:100



F GRID 2 EXTERIOR WALL ELEVATION
SCALE: 1:100

CONTRACTOR'S NOTE:

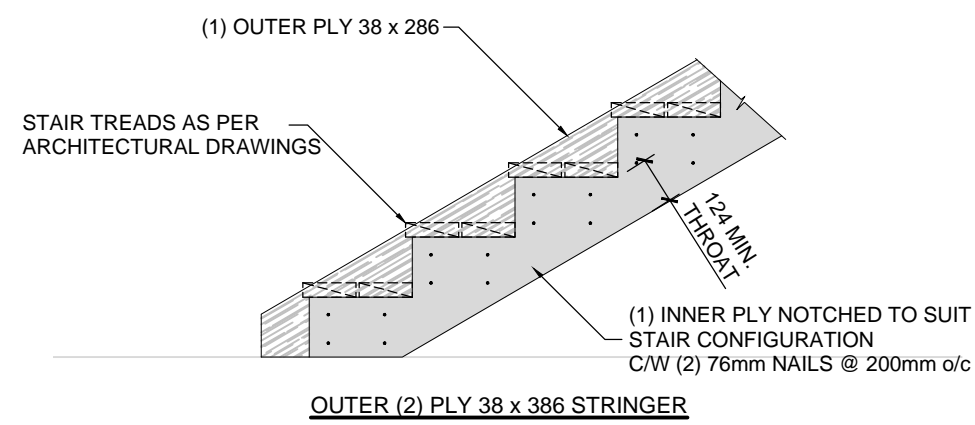
DIMENSIONS SHOWN ON THE STRUCTURAL DRAWINGS ARE FOR REFERENCE ONLY. REFER TO ARCHITECTURAL PLANS FOR ALL DIMENSIONS AND REPORT ANY/ALL DISCREPANCIES TO THE ARCHITECT AND ENGINEER PRIOR TO CONSTRUCTION.

STAIR CONFIGURATION:

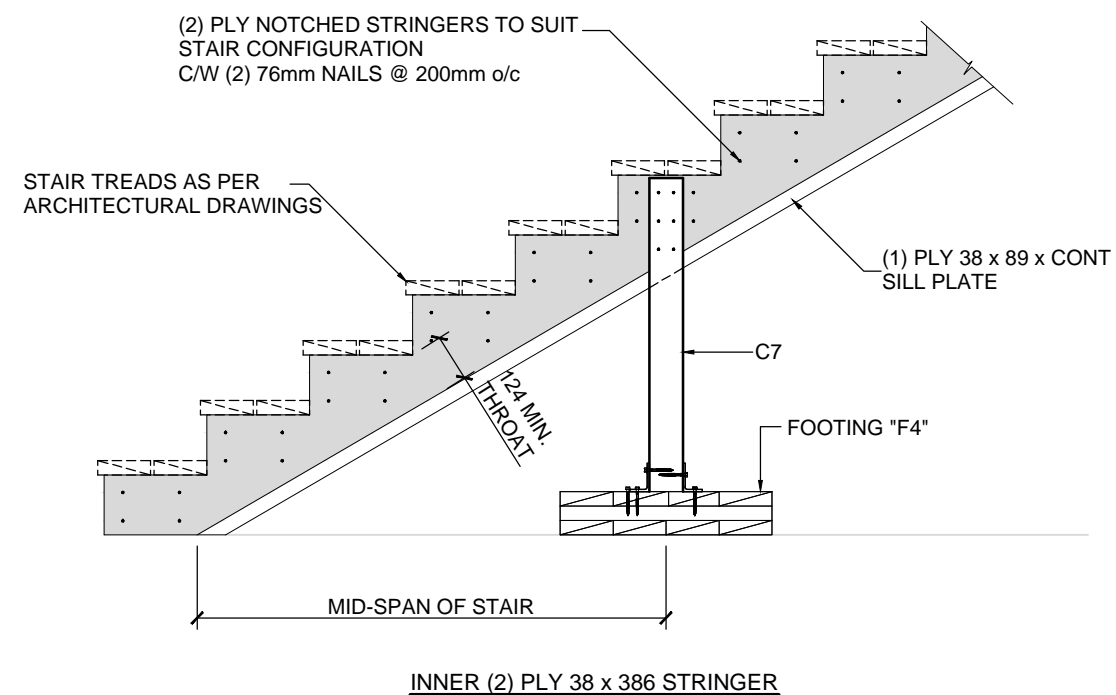
SEE ARCHITECTURAL PLANS FOR STAIR LAYOUT, RISE/RUN CONFIGURATION AND ALL GUARDS AND HANDRAIL DESIGN, SPECIFICATIONS AND DETAILS.

STAIR WOOD MEMBERS (TREATED):

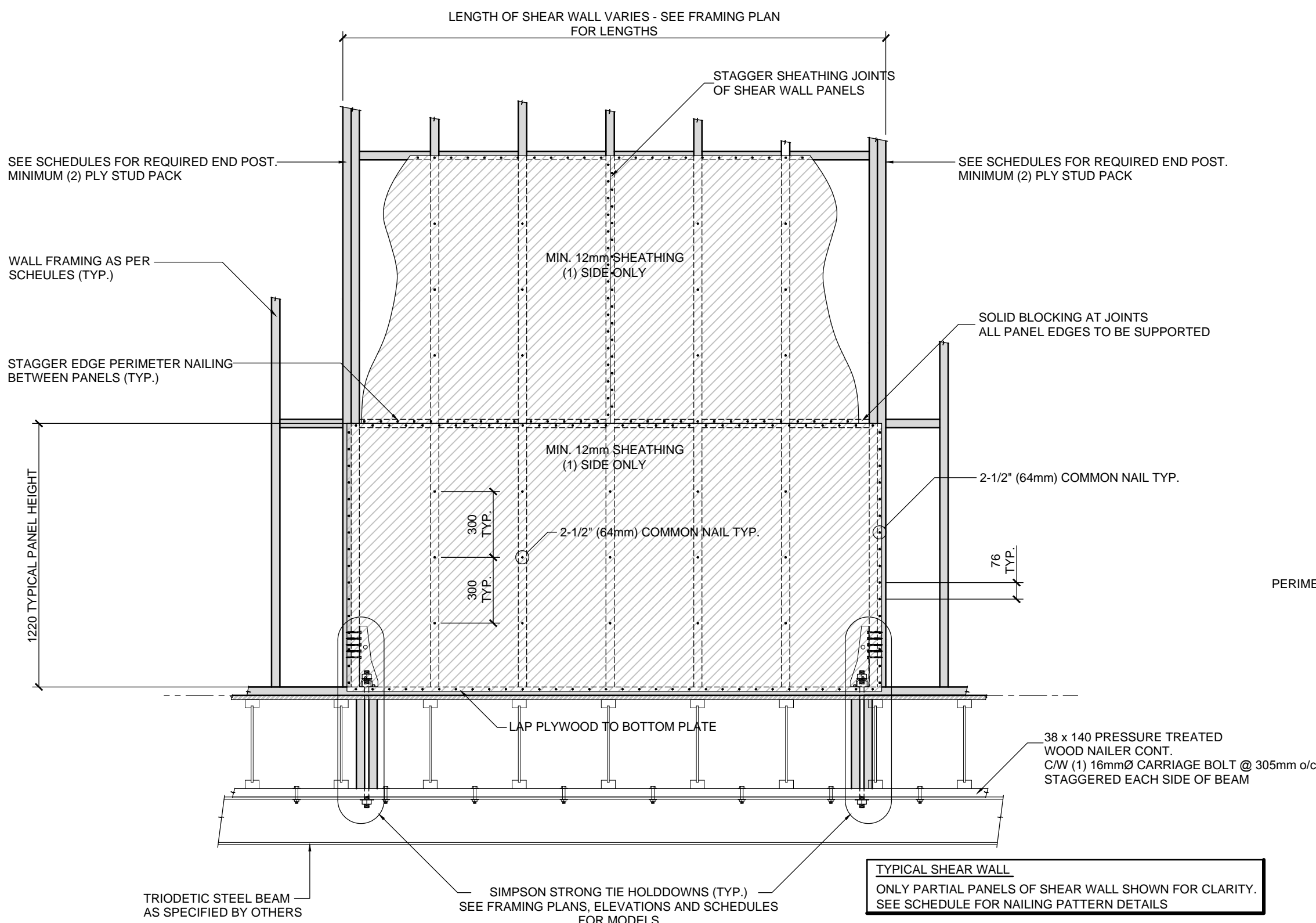
ALL WOOD MEMBERS AND MATERIALS USED IN THE EXTERIOR STAIR CONSTRUCTION ARE TO BE TREATED AS PER SPECIFICATIONS.



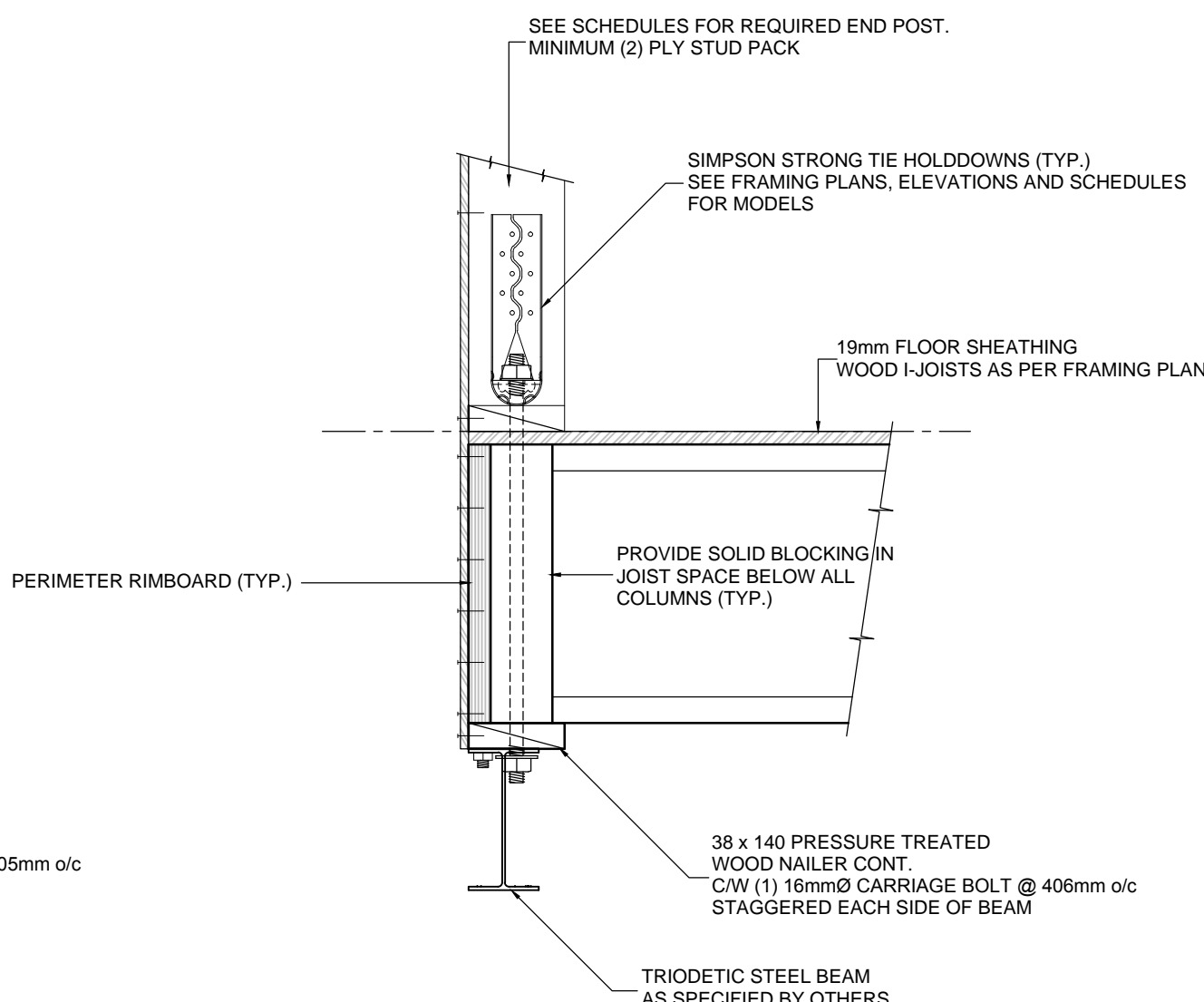
OUTER (2) PLY 38 x 386 STRINGER



3 MAIN ENTRANCE STAIR STRINGER DETAILS
SCALE: 1:10



1 TYPICAL SHEAR WALL ELEVATION
SCALE: 1:10



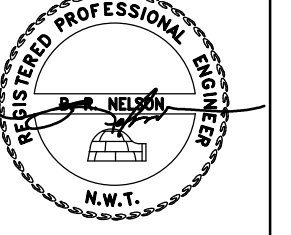
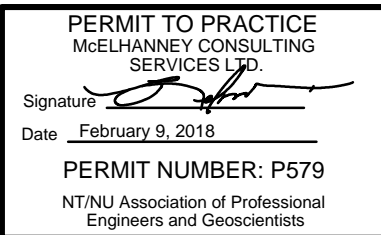
2 TYPICAL HOLDOWN CONNECTION DETAIL
SCALE: 1:10

consultant

1800 Willowbrook Drive
Cranbrook, BC
Canada V1C 7H9
Tel (250) 489-3013

McELHANNEY FILE # 2441-08031

seals



THIS DRAWING AND DESIGN IS THE PROPERTY OF McELHANNEY CONSULTING SERVICES LTD. (McELHANNEY) AND SHALL NOT BE USED, REUSED OR REPRODUCED WITHOUT THE CONSENT OF McELHANNEY.

McELHANNEY WILL NOT BE HELD RESPONSIBLE FOR THE IMPROPER OR UNAUTHORIZED USE OF THIS DRAWING AND DESIGN.

THIS DRAWING AND DESIGN HAS BEEN PREPARED FOR THE CLIENT IDENTIFIED, TO MEET THE STANDARDS AND REQUIREMENTS OF THE APPLICABLE PUBLIC AGENCIES AT THE TIME OF PREPARATION.

McELHANNEY, ITS EMPLOYEES, SUBCONSULTANTS AND AGENTS WILL NOT BE LIABLE FOR ANY LOSSES OR OTHER CONSEQUENCES RESULTING FROM THE USE OR RELIANCE UPON, OR ANY CHANGES MADE TO, THIS DRAWING, BY ANY THIRD PARTY, INCLUDING CONTRACTORS, SUPPLIERS, CONSULTANTS AND STAKEHOLDERS, OR THEIR EMPLOYEES OR AGENTS, WITHOUT McELHANNEY'S PRIOR WRITTEN CONSENT.

THIS DRAWING IS PART OF A COMPLETE SET OF DRAWINGS AND IS TO BE READ IN CONJUNCTION WITH ALL SHEETS WITHIN THE DRAWING SET. REFER TO ALL SHEETS INCLUDING STRUCTURAL NOTES PROVIDED ON SHEET S101.

THIS DRAWING IS INTENDED FOR THE STRUCTURAL CONSTRUCTION OF THIS PARTICULAR PROJECT AND IS NOT INTENDED TO BE USED AS A RECORD DRAWING UNLESS SPECIFICALLY NOTED AS SUCH.

McELHANNEY RECOMMENDS THE OWNER ENGAGES ALL PROFESSIONAL ASPECTS FOR THIS PROJECT FOR ALL APPLICABLE DISCIPLINES INCLUDING BUT NOT LIMITED TO: ARCHITECTURAL, CIVIL, MECHANICAL, ELECTRICAL AND GEOTECHNICAL PROFESSIONS.

THE PROFESSIONAL SEAL APPLIED TO THESE DRAWINGS APPLIES ONLY TO THE STRUCTURAL ASPECT OF THIS PROJECT. OTHER ELEMENTS SHOWN ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SPECIFIED BY OTHERS AND IS NOT WITHIN THE SCOPE OF WORK OF BY McELHANNEY.

ALL DIMENSIONS TO BE SITE VERIFIED BY CONTRACTOR

#	Date	Description
4	09-Feb-18	Issued for Tender
3	01-Feb-18	100% Construction Documents
2	15-Dec-17	66% Construction Documents
1	15-Nov-17	Design Development

Revisions
Date: November 8, 2017

Project:
**NUNAVUT WATER BOARD
NEW OFFICE BUILDING**


Gjoa Haven, NU

project north
Design by: BN
Drawing by: U
Scale: As Noted

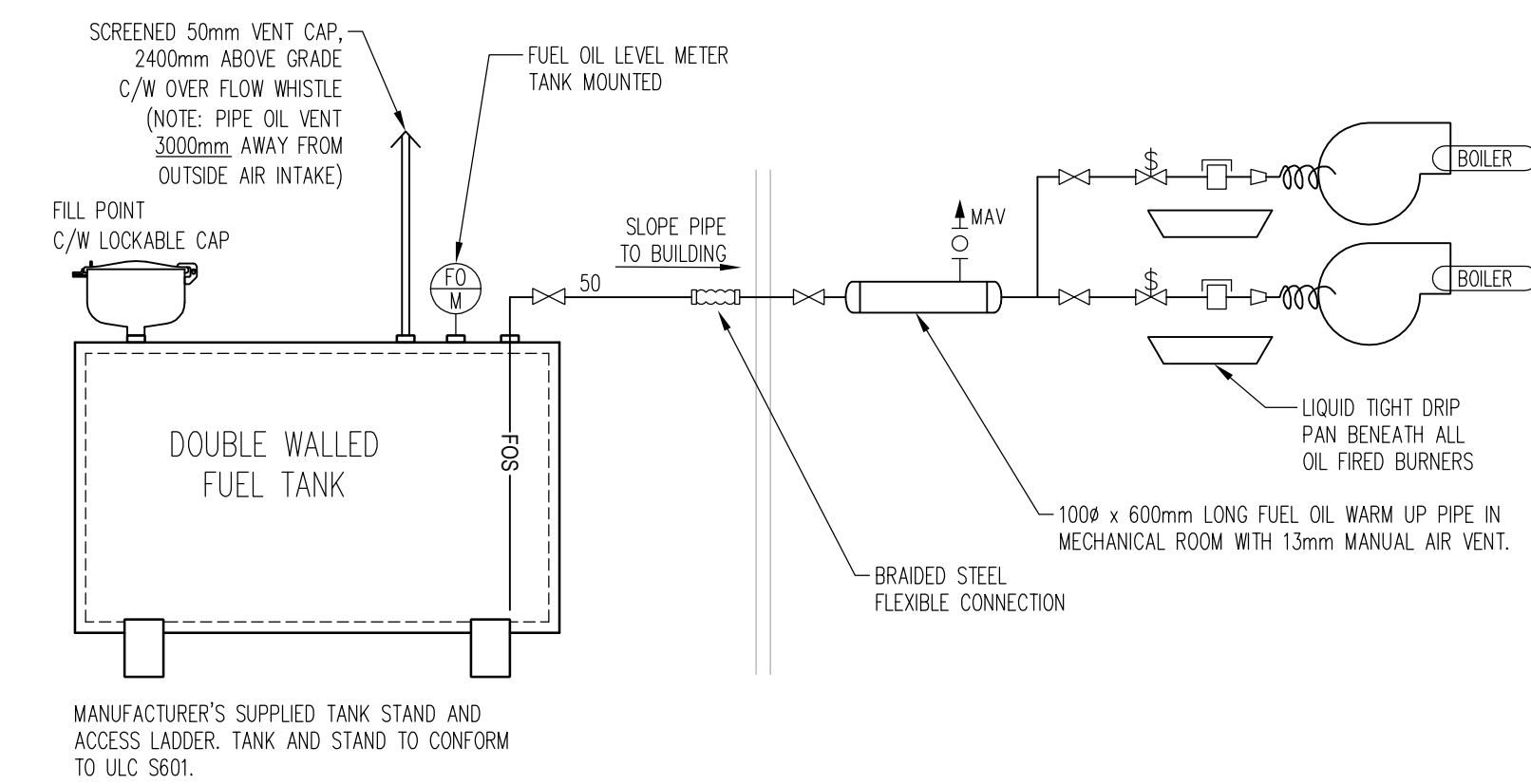
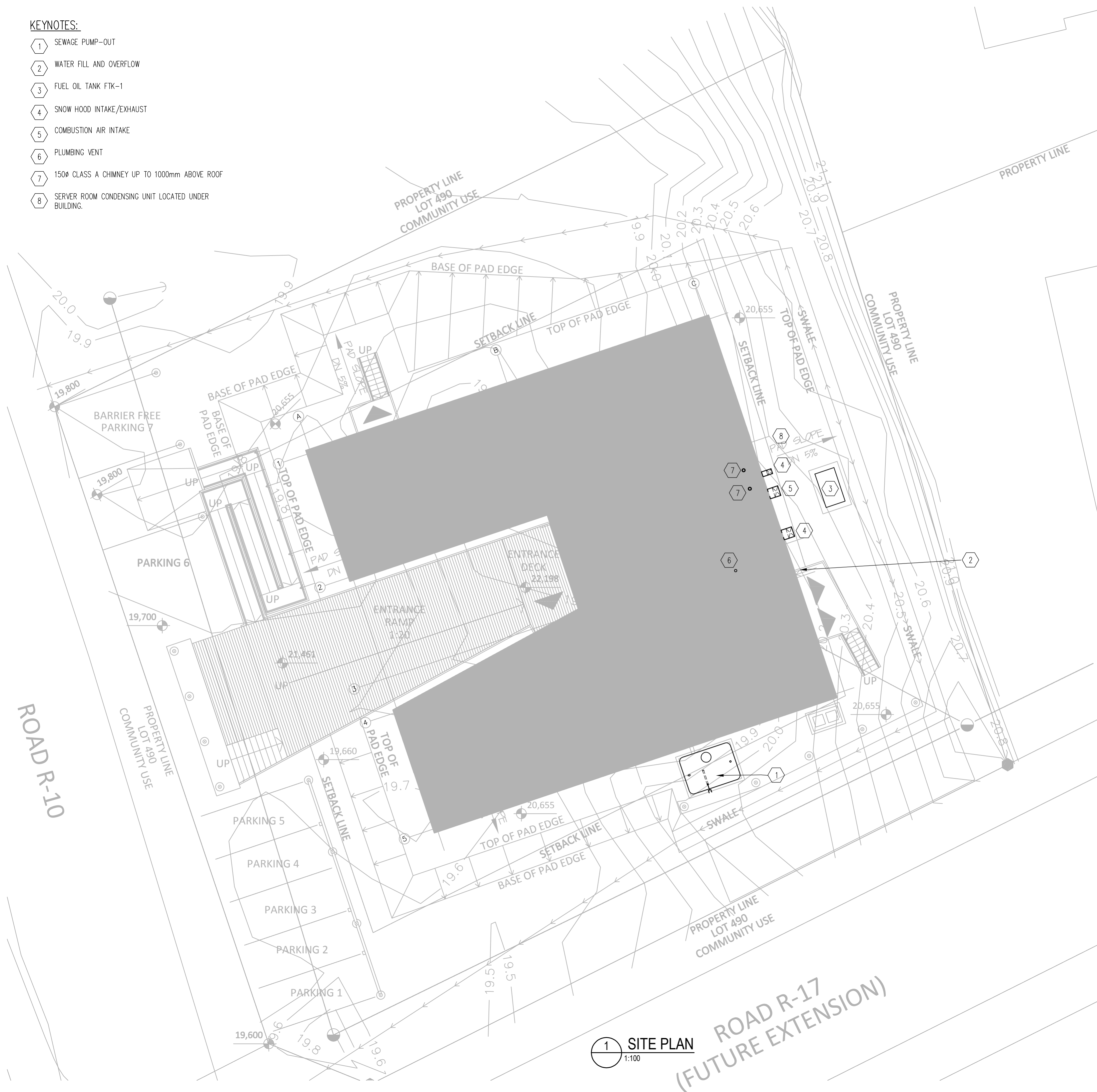
Sheet name:
**SHEARWALL ELEVATIONS
AND FRAMING DETAILS**

Project #
17-017

Drawing #
S404

TP 313/17				ARCHITECT:		NO.	BY	DATE	REVISION	<div>PAT. CANADA, U.S.A., GREAT BRITAIN, UNITED STATES OF AMERICA & OTHER FOREIGN COUNTRIES. ADDITIONAL PATENTS PENDING.</div> <div>TRIODETIC DRIVE, 10 DIAMOND AVE., SCARBOROUGH, ONTARIO, CANADA, M1S 4C3 PHONE : 613-623-3434 FAX : 613-622-4034 EMAIL : info@triodetic.com</div> <div>This drawing and the design it is supplied and must not be reproduced other than for which it is supplied</div>
DWG. No.				ENGINEER:						
S1		CONTRACTOR:								
		DWG. BY:								
		CK'D BY:								
		DATES:								

- 1 SEWAGE PUMP-OUT
- 2 WATER FILL AND OVERFLOW
- 3 FUEL OIL TANK FTK-1
- 4 SNOW HOOD INTAKE/EXHAUST
- 5 COMBUSTION AIR INTAKE
- 6 PLUMBING VENT
- 7 150# CLASS A CHIMNEY UP TO 1000mm ABOVE ROOF
- 8 SERVER ROOM CONDENSING UNIT LOCATED UNDER BUILDING.



2 TYPICAL FUEL OIL TANK INSTALLATION SCHEMATIC
M01 SCALE: NTS

[illegible]

0	Feb 9, 2018	Issued for Tender
#	Date	Description


Revisions

February 9, 2017

Project:

**NUNAVUT WATER BOARD
NEW OFFICE BUILDING**

Gjoa Haven, NU

<p>project north true north</p> 	Design by:	BFG
	Drawing by:	BFG
	Scale:	As Noted

Sheet name:

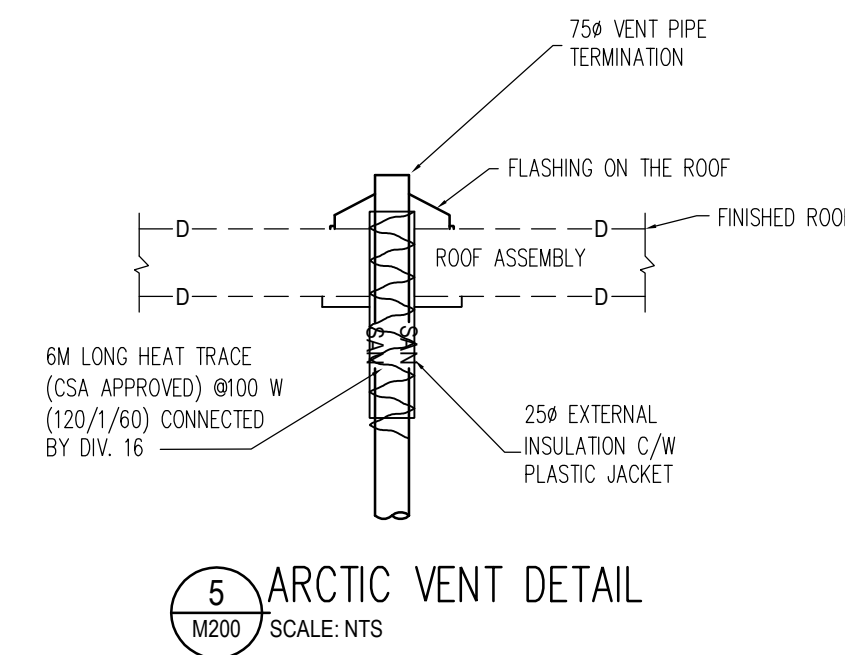
MECHANICAL
SITE PLAN

Project #

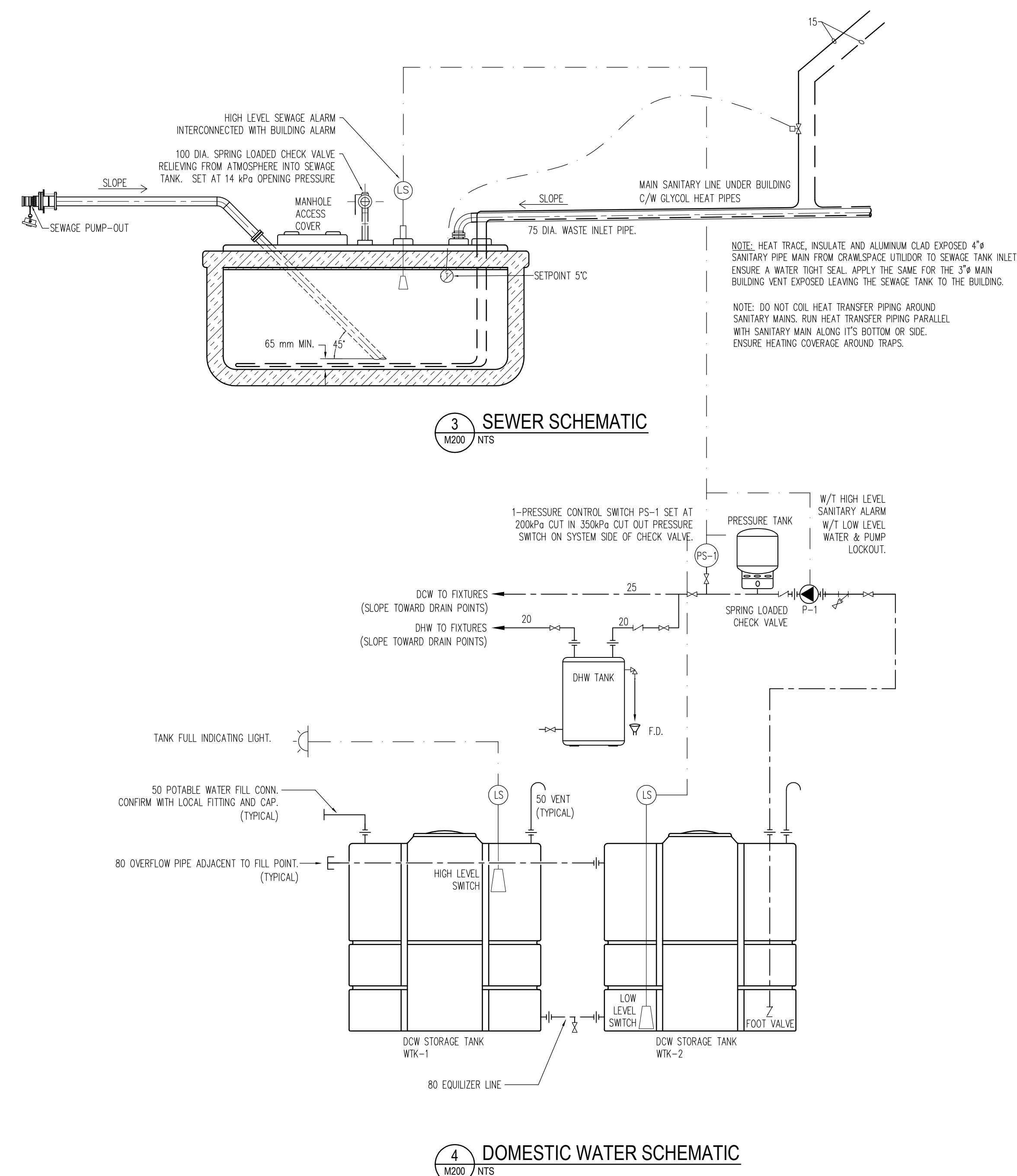
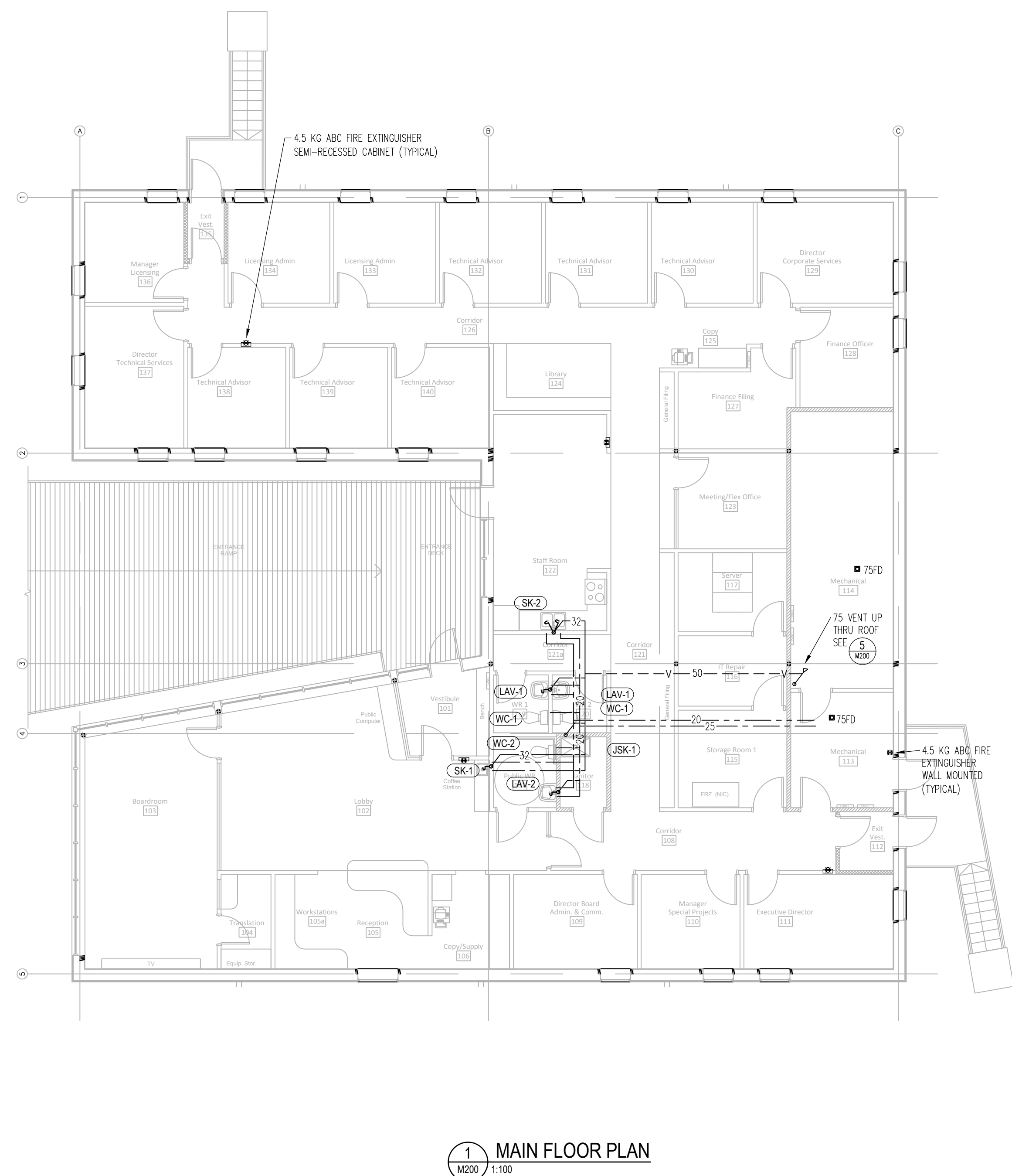
17-017

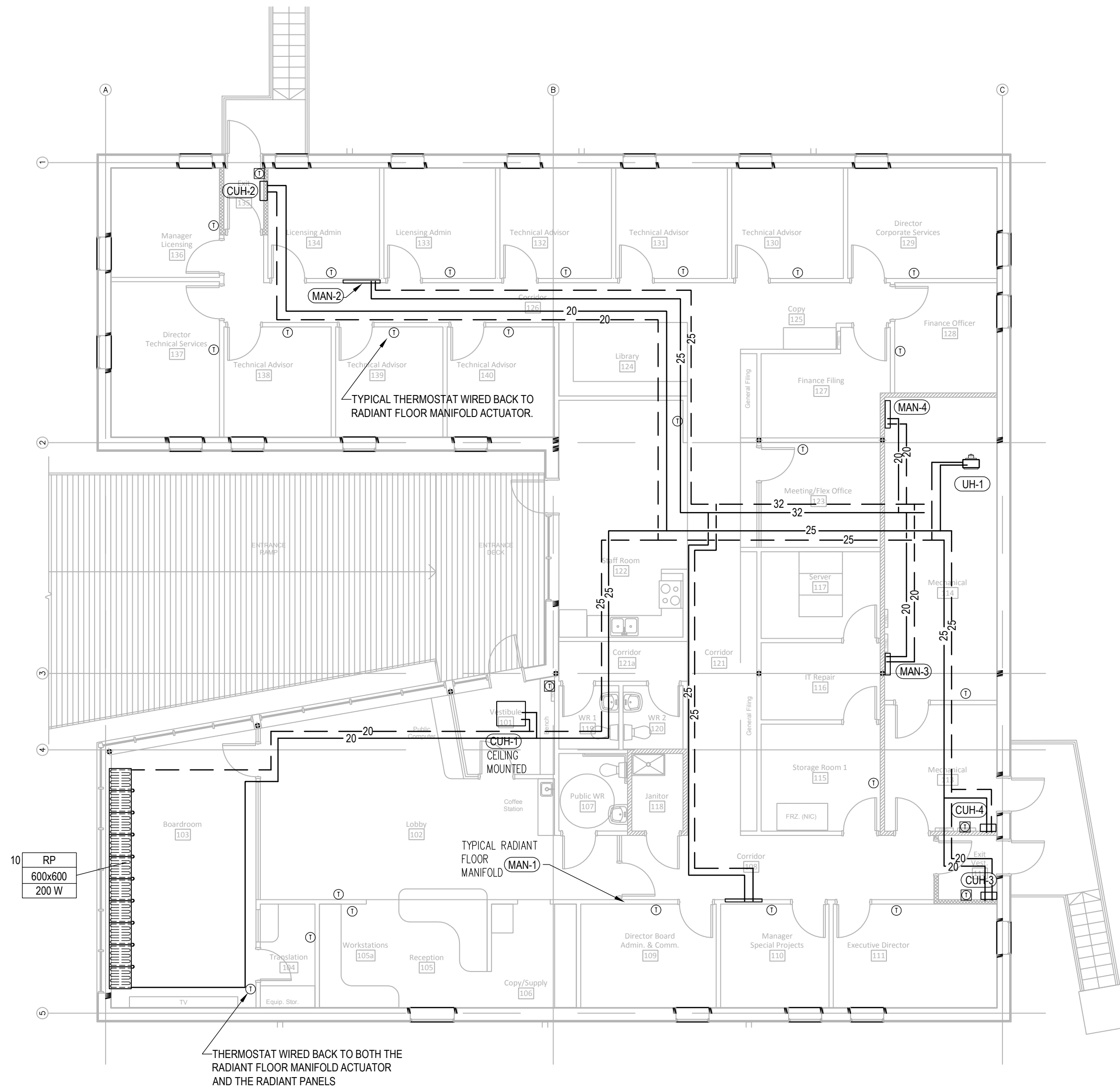
Drawing #

M 1 0 0

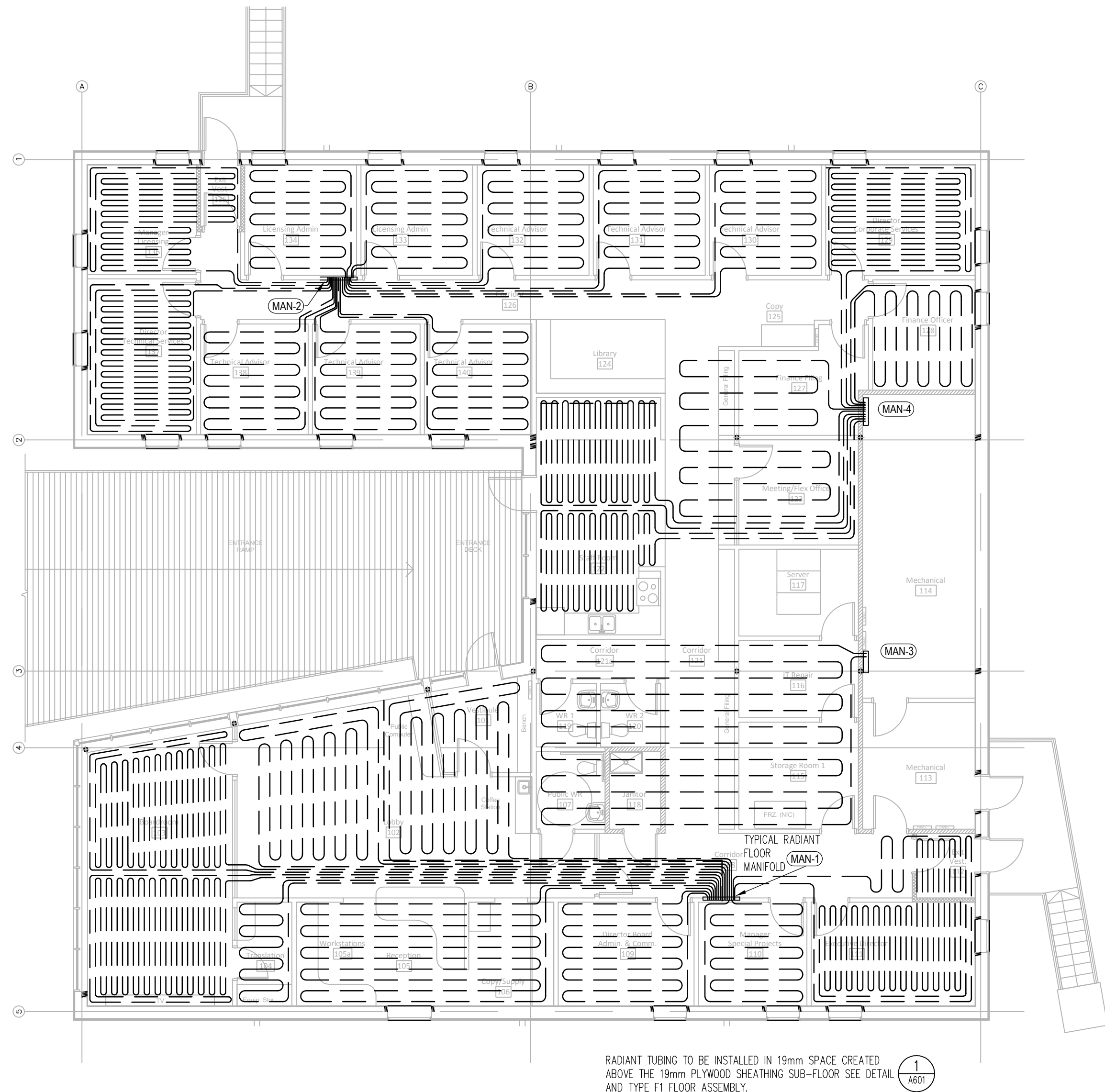


<u>MECHANICAL FIXTURES</u>			
ITEM	DESCRIPTION	MAKE/MODEL	TRIM
LAV-1	VITREOUS CHINA LAVATORY	AMERICAN STANDARD MURROW WALL HUNG WITH SHROUD MODEL 0954	FAUCET DELTA 500-DST
LAV-2	VITREOUS CHINA LAVATORY CHAIR BARRIER FREE	AMERICAN STANDARD MURROW WALL HUNG WITH SHROUD MODEL 0954	FAUCET DELTA 500-DST
JSK-1	MOP SINK C/W SS BUMPER GUARD, SS WALL GUARD, SERCHOSE BRACKET, MOP HANGER, SERVICE HOSE BRACKET	PROFLO PFM3624	FAUCET ZURN Z83M1
SK-1	SINK SINGLE BOWL, KITCHEN SINK 380 LONG X 330 WIDE X 150 MM DEEP.	KINDRED MODEL QST315/6 TOP MOUNT	KOHLER FALLING WATER MOUNT FAUCET K-1197
SK-2	SINK DOUBLE BOWL, KITCHEN SINK 520X900X200.	KINDRED QDL2031/7	DELTA 100LF-HDF
WC-1	WATER CLOSET TANK TYPE LOW FLUSH	PROFLO PFI4037 WITH PFI312UWMM INSULATED TANK	SEAT: PROFLO PFI350F200MM
WC-2	WATER CLOSET TANK TYPE LOW FLUSH BARRIER FREE	SAME AS WC01	SEAT TO BE C/W COVER






1 MAIN FLOOR PLAN - CEILING PLAN
1:100



2 MAIN FLOOR PLAN - FLOOR PLAN
1:100


Radiant Floor Data									
Room #	Heating (W)	Upward Portion (W)	# Loop	Length (m)	Spacing OC	Flow (L/s)	TD (deg C)	Tube Size (mm)	
MAN-1	140	654	573	1	39	300	0.011	11	13
	139	654	573	1	34	300	0.011	11	13
	138	654	573	1	34	300	0.011	11	13
	137	1,307	1,191	1	97	150	0.023	11	13
	136.135	1,374	1,272	1	87	150	0.033	11	13
	134	673	590	1	33	300	0.012	11	13
	133	673	590	1	34	300	0.012	11	13
	132	673	590	1	41	300	0.012	11	13
	131	673	590	1	48	300	0.012	11	13
	130	673	590	1	55	300	0.012	11	13
MAN-4	129	1,279	1,166	1	95	150	0.022	11	13
	128	648	571	1	38	300	0.011	11	13
	123.127	687	434	1	65	460	0.012	11	13
	122	2,944	2,773	2	84	150	0.051	11	13
MAN-3	117	No Radiant Floor							
	107.115/120	697	452	1	63	460	0.012	11	13
	San Loop	806	-	1	64	-	0.014	11	13
	102	4,050	3,636	2	86	300	0.071	11	13
	103	6,886	6,613	2	111	150	0.065	11	13
	104	237	198	1	21	300	0.004	11	13
	105.106	1,266	1,085	1	76	300	0.022	11	13
	109	759	663	1	43	300	0.013	11	13
	110	650	572	1	36	300	0.011	11	13
	111	1,628	1,483	1	118	150	0.028	11	13
MAN-2	114	No Radiant Floor							
	113	No Radiant Floor							

MAN-1 AND MAN-2 FULLY RECESSED MANIFOLD HOUSINGS C/W LOCK REMOVABLE ACCESS DOOR, SATIN COATED STEEL CONSTRUCTION, FINISH COLOUR WHITE.
MAN-3 AND MAN-4 SURFACE MOUNTED MANIFOLD HOUSINGS C/W REMOVABLE ACCESS DOOR, SATIN COATED STEEL CONSTRUCTION, FINISH COLOUR WHITE.




TAYLOR ARCHITECTURE GROUP
3502 Racine Road
Yellowknife, NT
X1A 3J2
t: 867-920-2728
f: 867-973-3816
e: tag@tagyk.com

YELLOWKNIFE OFFICE
P.O. Box 1529
4002 48 Street
Yellowknife, NT X1A 2P2
Bus: (867) 873-2285
Tel Fax: 1-800-263-2283
Fax: (867) 873-2547
yellowknife@williamsengineering.com
www.williamsengineering.com

WILLIAMS
ENGINEERING
CANADA


PERMIT TO PRACTICE
WILLIAMS ENGINEERING-CANADA INC.
PERMIT NUMBER
6446
NWT / NU Association of Professional
Engineers and Geoscientists



WEC JOB #: 37945.03

PROJECT: NUNAVUT WATER BOARD
NEW OFFICE BUILDING
Gjoa Haven, NU

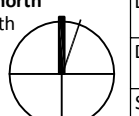
ALL DIMENSIONS TO BE SITE VERIFIED BY CONTRACTOR

0	Feb 9, 2018	Issued for Tender
#	Date	Description

Revisions
Date: February 9, 2017

Project:
**NUNAVUT WATER BOARD
NEW OFFICE BUILDING**

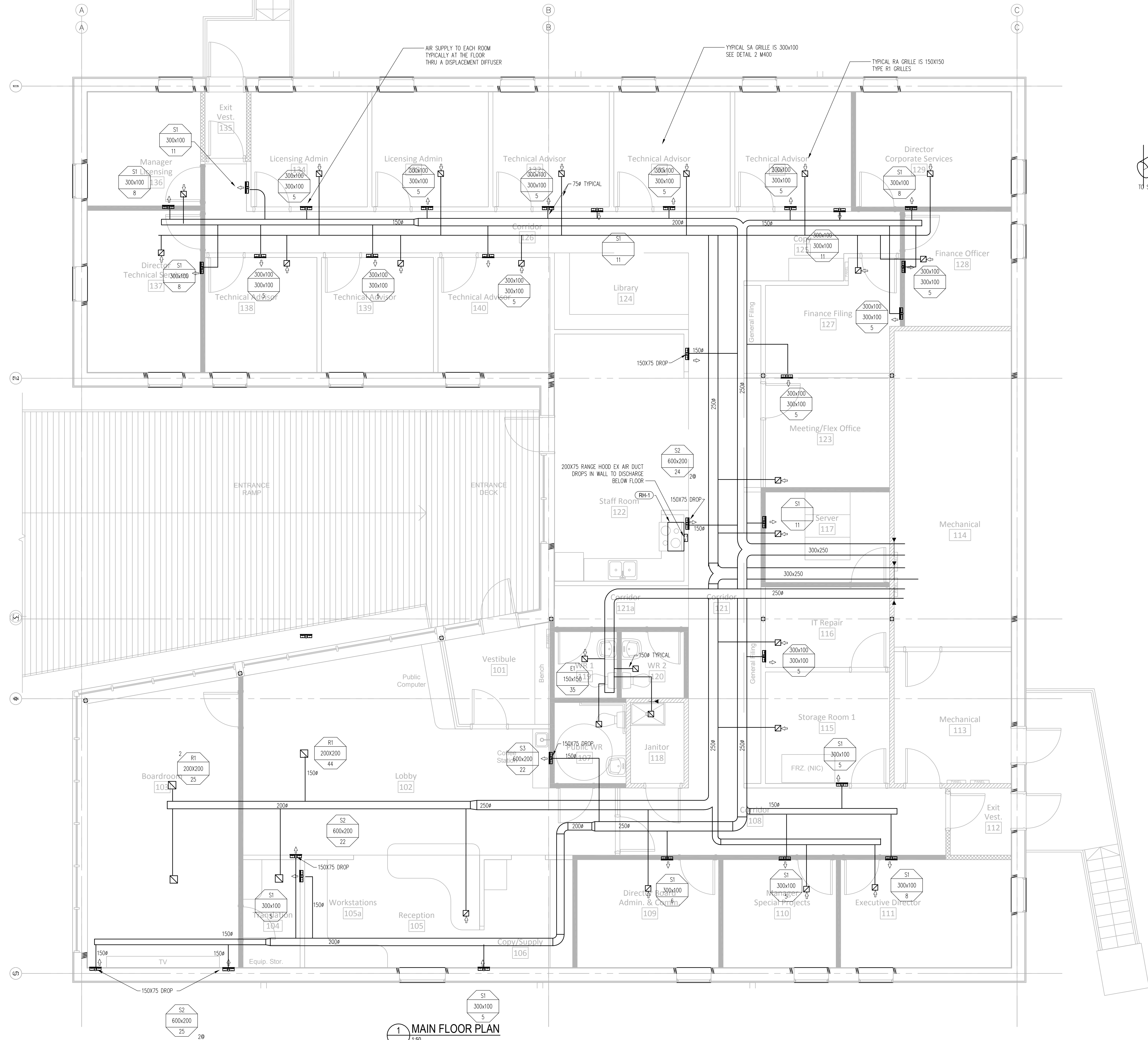
Gjoa Haven, NU

project north true north	Design by: BFG
	Drawing by: BFG
	Scale: As Noted

Sheet name:
**MECHANICAL
HEATING**

Project #
17-017

Drawing #
M300



TAYLOR ARCHITECTURE GROUP
3502 Racine Road
Yellowknife, NT X1A 3J2
T: 867-920-2728
F: 867-973-3816
e: tag@tagyk.com

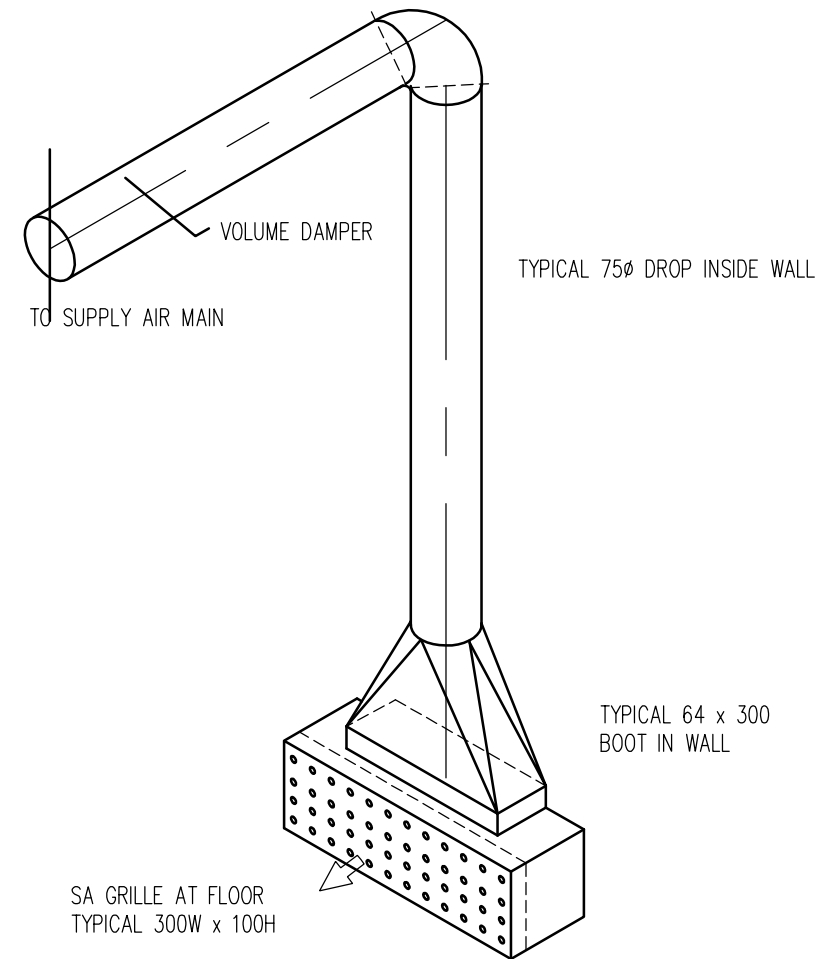
YELLOWKNIFE OFFICE
P.O. Box 1529
4002 48 Street
Yellowknife, NT X1A 2P2
Bus: (867) 873-2285
Tel/Fax: 1-800-263-2283
Fax: (867) 873-2547
yellowknife@taylorarchitecture.com
www.taylorarchitecture.com

WEC JOB #: 37545.00
WILLIAMS ENGINEERING
CONSULTANTS

WE

PERMIT TO PRACTICE
WILLIAMS ENGINEERING CANADA INC.
PERMIT NUMBER
6446
NWT/NU Association of Professional
Engineers and Geoscientists

B.F. GEORGE
REGISTERED PROFESSIONAL ENGINEER
N.W.T.



2 TYPICAL SA DETAIL TYPE S-1
NTS

ALL DIMENSIONS TO BE SITE VERIFIED BY CONTRACTOR

0	Feb 9, 2018	Issued for Tender
#	Date	Description

Revisions
Date:

February 9, 2017

Project:
**NUNAVUT WATER BOARD
NEW OFFICE BUILDING**

Gjoa Haven, NU

project north true north	Design by: BFG
	Drawing by: BFG
	Scale: As Noted

Sheet name:

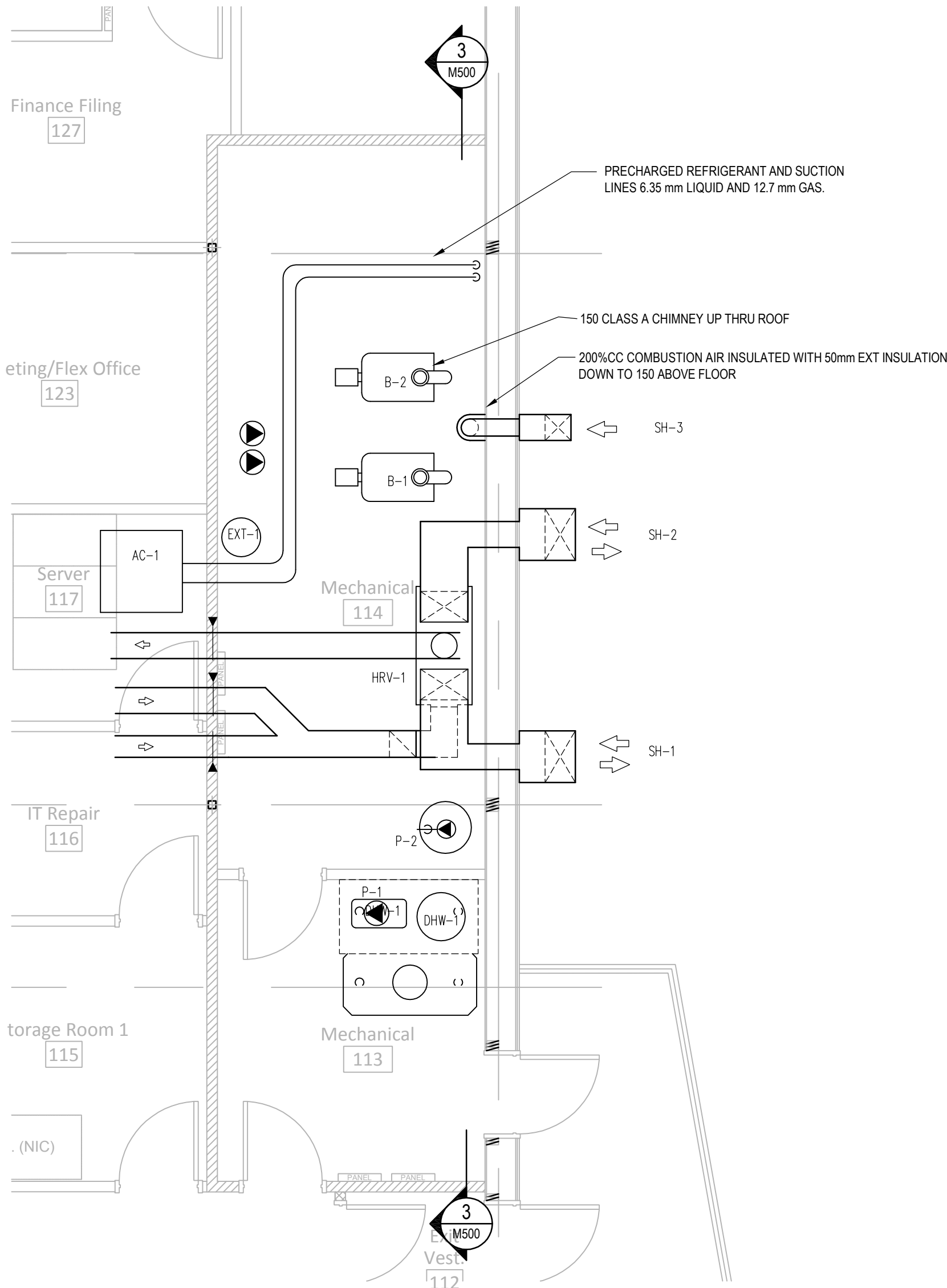
**MECHANICAL
VENTILATION**

Project #

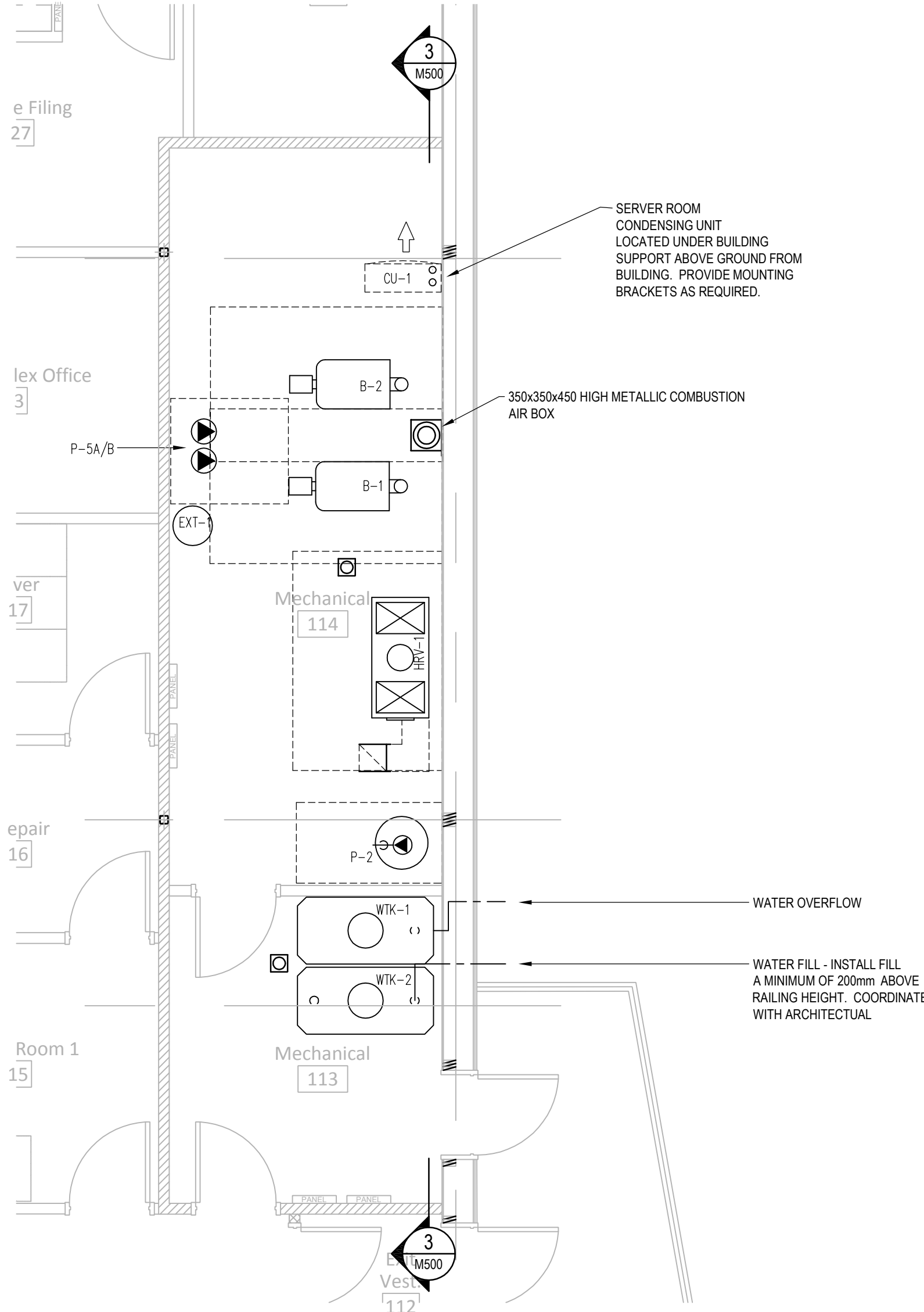
17-017

Drawing #

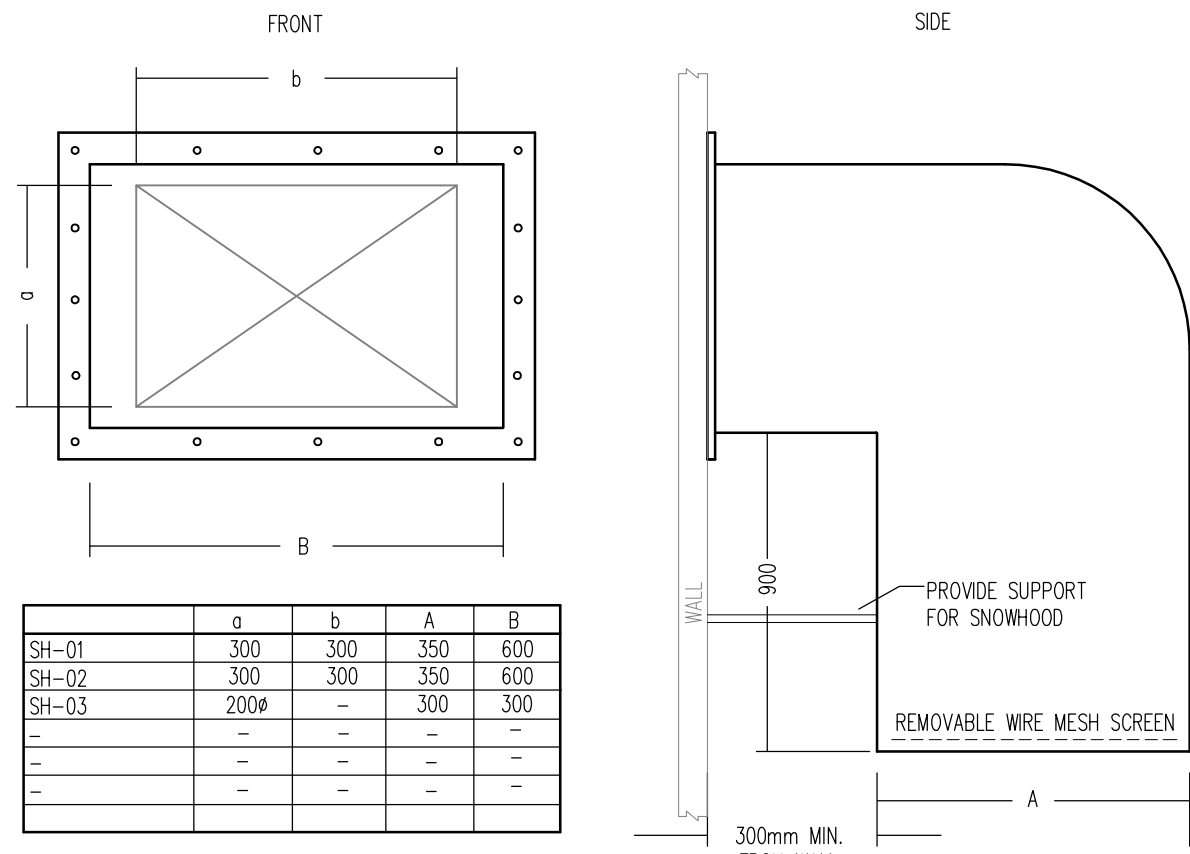
M400



1 PARTIAL MAIN FLOOR PLAN MECH ROOM CEILING LEVEL
1:50

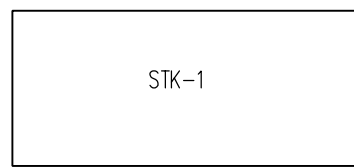


2 PARTIAL MAIN FLOOR PLAN MECH ROOM FLOOR LEVEL
1:50



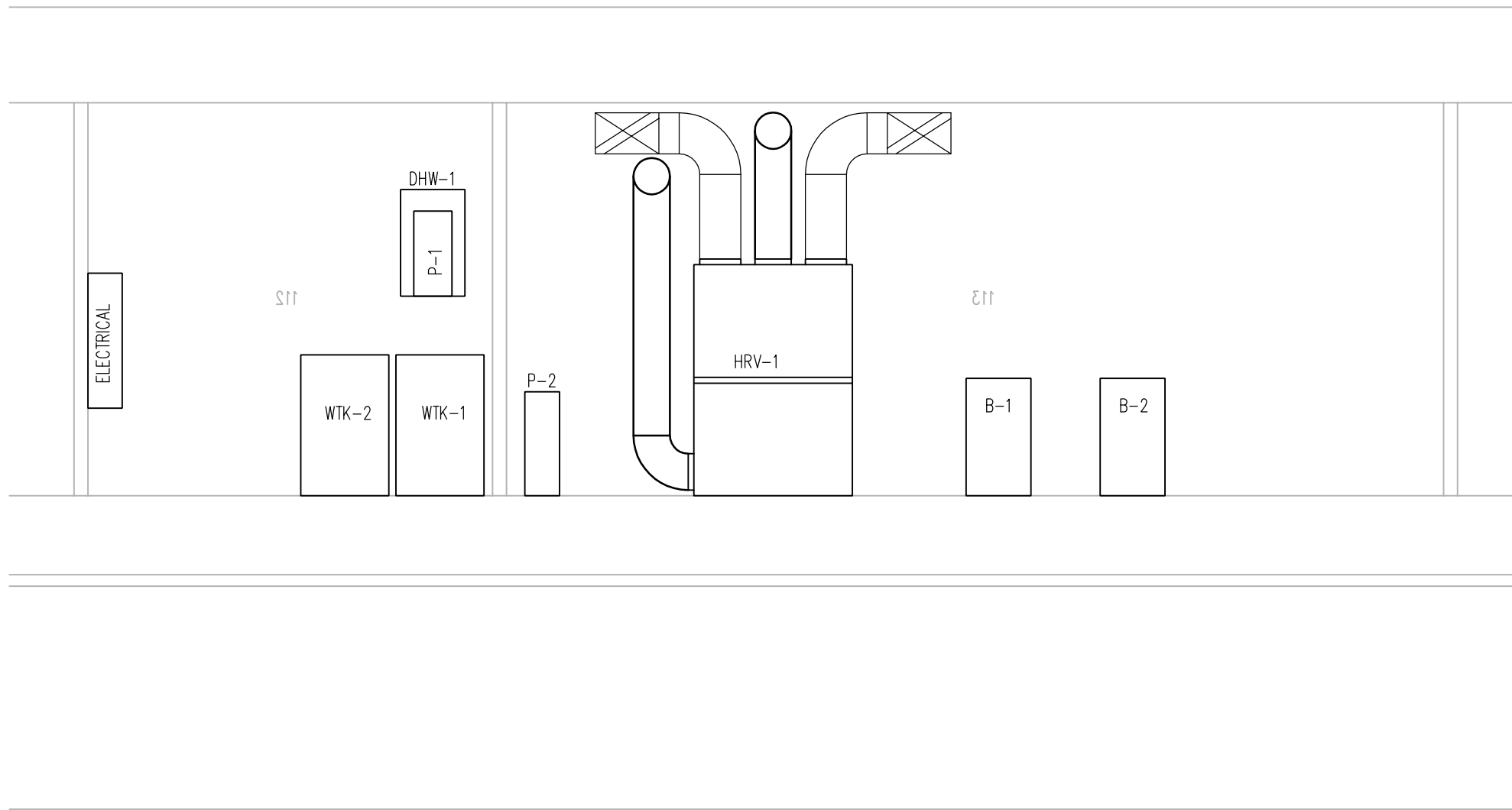
	a	b	A	B
SH-01	300	300	350	600
SH-02	300	300	350	600
SH-03	2000	-	300	300
-	-	-	-	-
-	-	-	-	-

4 SNOW-HOOD DETAIL
SCALE: NTS




3 MECH ROOM SECTION
1:50

MECHANICAL EQUIPMENT LIST			
ITEM	DESCRIPTION	MAKE/MODEL	ELECTRICAL CHARACTERISTICS
DHW-1	INDIRECT DHW HEATER	WEIL McLAIN AQUA PLUS MODEL 35	-
B-1/2	OIL-FIRED BOILER 150 MSH OUTPUT	WEIL McLAIN MODEL UO-3E, 1 GPH OIL INPUT, 31.4 KW NET OUTPUT, 87% SEASONAL EFFICIENCY, C/W OPTIONAL ADVANCED FEATURES MODULE	1/8 HP, 1 PH, 115 V
WTK-1/2	POLYETHYLENE INDOOR WATER TANK	EQUINOX EZ50WS	-
EXT-1	HEATING EXPANSION TANK	AMTROL SX-60V, 121 L VOLUME, 42 L ACCEPTANCE VOLUME	-
P-1	DOMESTIC WATER PUMP 5 GPM AT 125 FT HEAD C/W PRESSURE TANK, PRESSURE GAUGE AND CONTROLS	MONARCH MJ5-50/PC25S	1/2 HP, 1 PH, 115 V
P-2	GLYCOL FILL TANK AND PUMP	AXIOM MF300 PRESSURE PAL MINI SYSTEM FEEDER, 71 LITRE TANK, 0.04 L/s (0.7 GPM) PUMP	1/3 HP, 1 PH, 115 V
P-3/4	HEATING PRIMARY PUMPS	50% PROPYLENE GLYCOL 0.76 L/s VS 35 kPa HEAD (12 gpm VS 15') GRUNDFOS MAGNA1 32-100F	178 W, 1 PH, 115-230V
PSA/B	HEATING SECONDARY PUMPS	50% PROPYLENE GLYCOL 1.52 L/s VS 35 kPa HEAD (24 gpm VS 15') GRUNDFOS MAGNA1 32-60F	107 W, 1 PH, 115-230 V
P-6	RADIANT FLOOR CIRC PUMP	50% PROPYLENE GLYCOL 0.76 L/s VS 35 kPa HEAD (12 gpm VS 15') GRUNDFOS MAGNA1 32-100F	178 W, 1 PH, 115-230V
CUH-1	CEILING MOUNTED CABINET UNIT HEATER	ENG-AIR MODEL CUH-1, 4,460 W HEATING CAPACITY AT 82C EWT AT 0.100 L/s FLOW, FULLY RECESSED CEILING CABINET ARRANGEMENT 24	1/25 HP, 1 PH, 115 V
CUH-2	SEMI RECESSED WALL MOUNTED CABINET UNIT HEATER	ENG-AIR MODEL CUH-1, 4,460 W HEATING CAPACITY AT 82C EWT AT 0.100 L/s FLOW, SEMI-RECESSED CABINET ARRANGEMENT 19	1/25 HP, 1 PH, 115 V
CUH-3/4	WALL MOUNTED CABINET UNIT HEATER	ENG-AIR MODEL CUH-1, 4,460 W HEATING CAPACITY AT 82C EWT AT 0.100 L/s FLOW, FULLY EXPOSED CABINET ARRANGEMENT 4	1/25 HP, 1 PH, 115 V
UH-1	UNIT HEATER	ENG-AIR MODEL H1 HORIZONTAL UNIT HEATER 7.9 KW HEATING CAPACITY AT 0.12 L/s FLOW	1/20 HP, 1 PH, 115 V
HRV-1	AIR TO AIR HEAT EXCHANGER DUAL CORE REVERSING DAMPER TYPE	TEMPEFF RGSP 1200, 300 L/s SUPPLY AND EXHAUST	2-1/2 HP, 1 PH, 115 V
AC-1	SERVER ROOM COOLING INDOOR UNIT	MITSUBISHI PLA-A12BA1	1 A, 1 PH, 208 V
CU-1	SERVER ROOM COOLING / OUTDOOR UNIT C/W ULTRA LOW AMBIENT COOLING	MITSUBISHI PUY-A12NHA4	13 A, 1 PH, 208 V
STK-1	4,500 L INSULATED AND HEAT TRACED ABOVE GROUND SEWAGE TANK	EQUINOX G10000HIT C/W HYDRONNIC HEAT TRACE	-
OTK-1	2,000 L DOUBLE WALLED OIL TANK ULC LABELLED	GRANBY INDUSTRIES 30209222	-
RH-1	RANGE HOOD	NUTONE MODEL WS-1, WHITE IN COLOUR, 100 L/s ON HIGH SPEED AT 5.5 ZONES	1.8 AMPS, 1 PH, 120 V
RP	RADIANT PANELS	ENG-AIR AIRTEX MODULAR HPH 600X600 RADIANT PANELS TO FIT ARCH T-BAR CEILING WITH SILK-SCREENED SURFACE TO MATCH ARCHITECTURAL CEILING TILE	-



3 MECH ROOM SECTION
1:50




TAYLOR ARCHITECTURE GROUP
3502 Racine Road
Yellowknife, NT X1A 3J2
t: 867-920-2728
f: 867-973-3816
e: tag@tagyk.com

YELLOWKNIFE OFFICE
P.O. Box 1529
4902 48 Street
Yellowknife, NT X1A 2P2
Bus: (867) 873-2285
Tel/Fax: 1-800-263-2283
Fax: (867) 873-2547
yellowknife@taylorarchitecture.com
www.taylorarchitecture.com

WEC JOB #: 37545.03

WILLIAMS ENGINEERING
INC.



PERMIT TO PRACTICE
WILLIAMS ENGINEERING CANADA INC.
PERMIT NUMBER
P/P 646
NWT/NU Association of Professional
Engineers and Geoscientists



ALL DIMENSIONS TO BE SITE VERIFIED BY CONTRACTOR

0	Feb 9, 2018	Issued for Tender
#	Date	Description

Revisions
Date:
February 9, 2017

Project:
**NUNAVUT WATER BOARD
NEW OFFICE BUILDING**

Gjoa Haven, NU

project north true north	Design by: BFG
	Drawing by: BFG
	Scale: As Noted

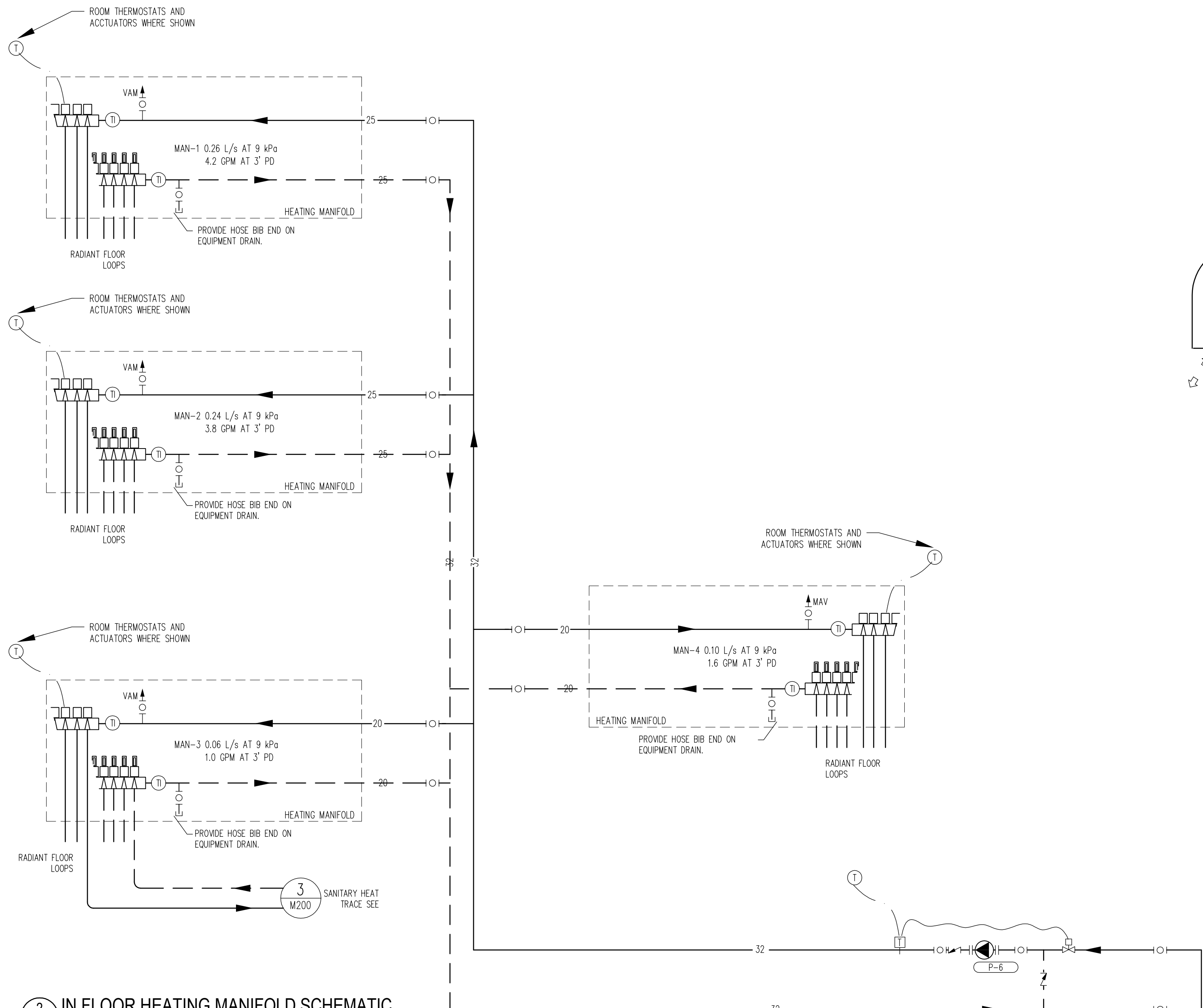
Sheet name:
**MECHANICAL
DETAILS**

Project #

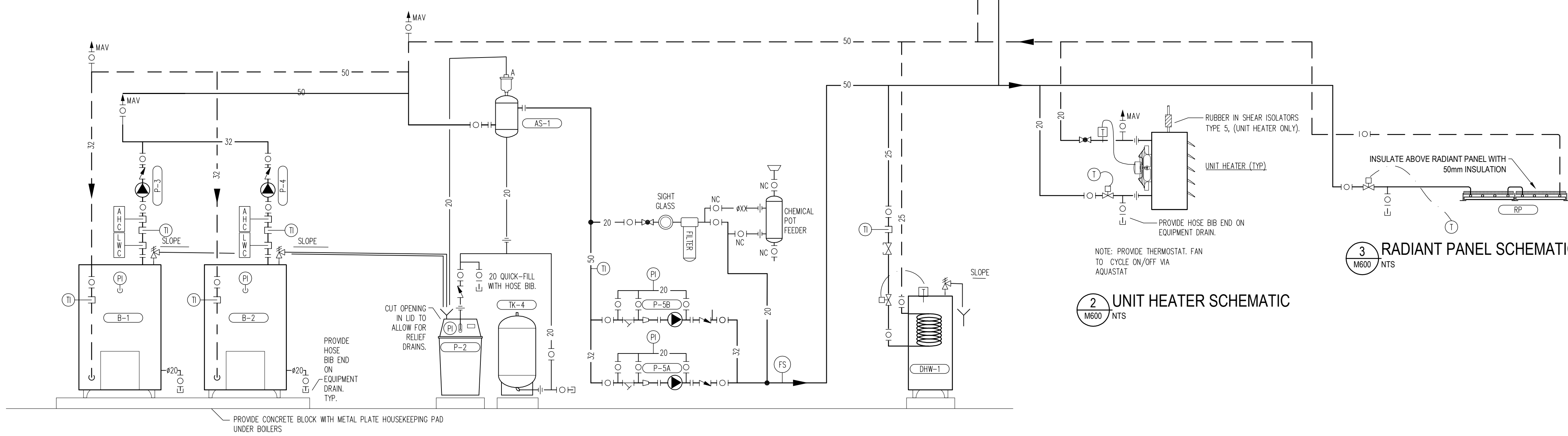
17-017

Drawing #

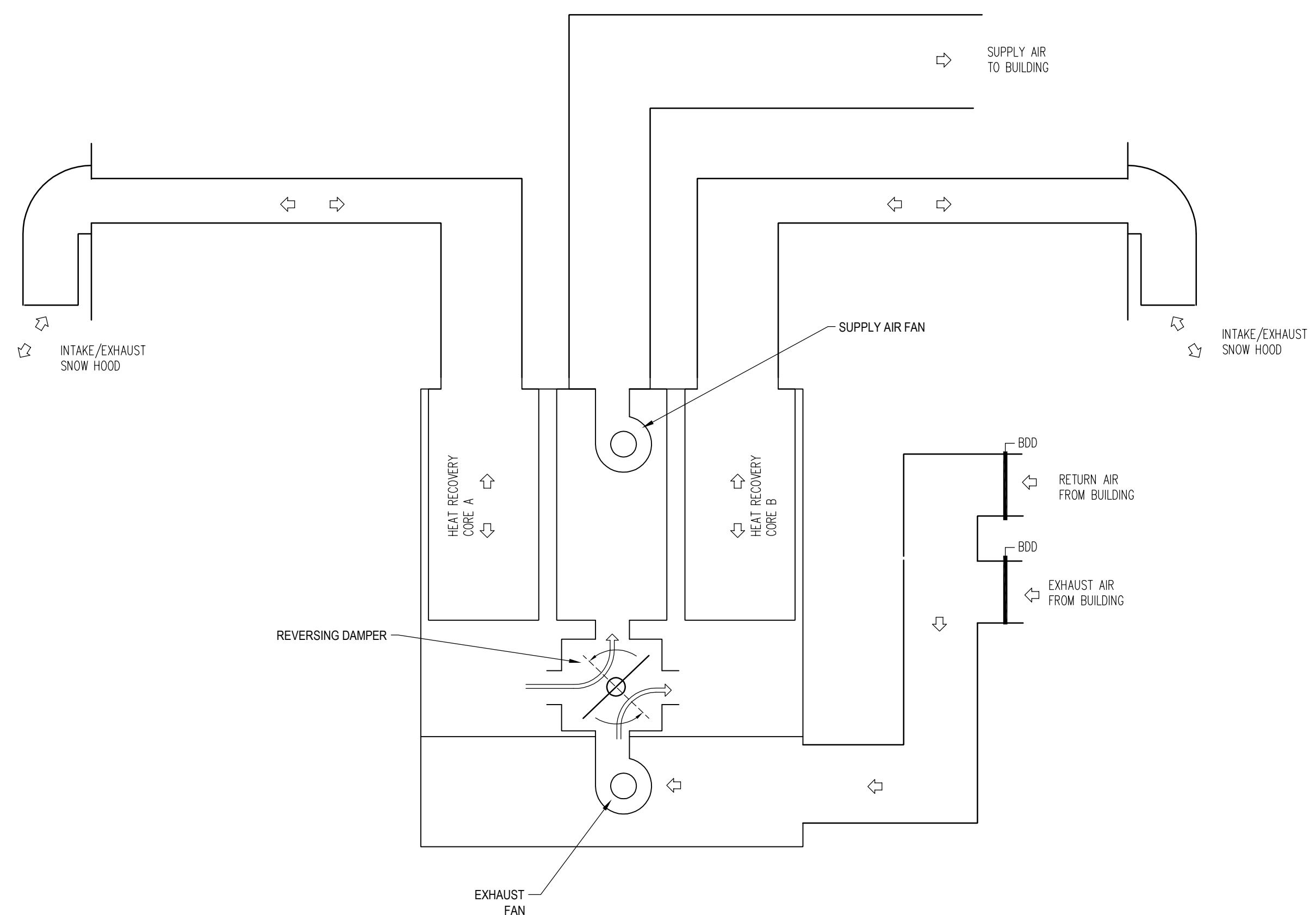
M500



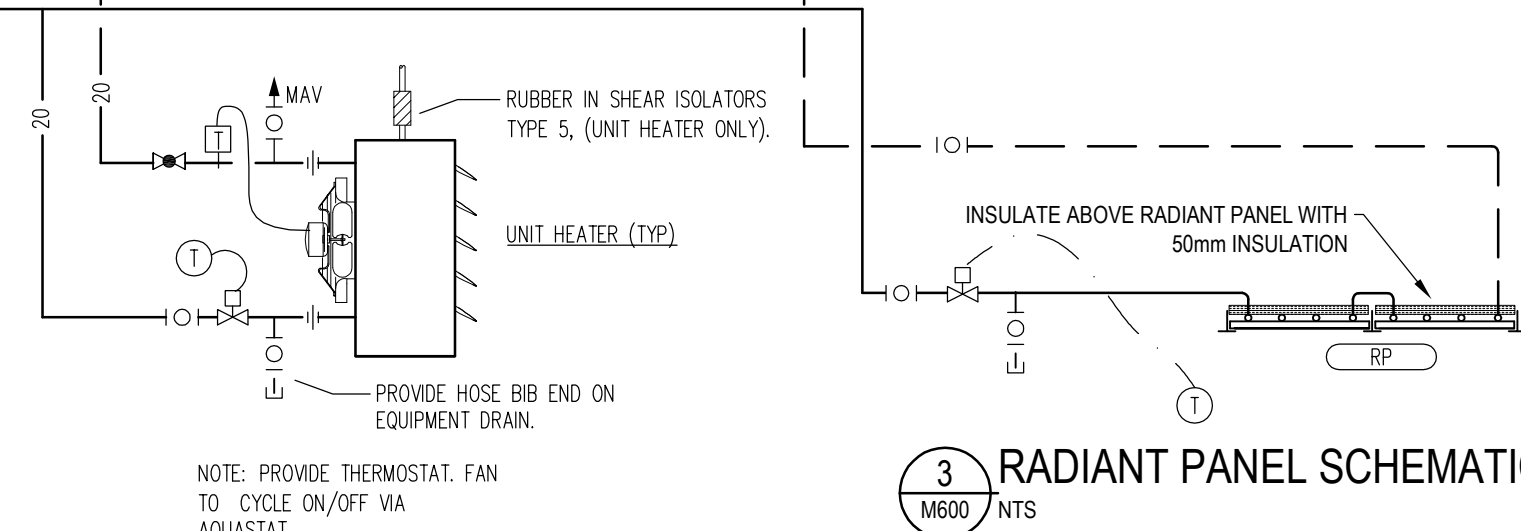
2 IN FLOOR HEATING MANIFOLD SCHEMATIC
M4 NTS



1 HEATING SCHEMATIC
M600 NTS



4 HEAT RECOVERY VENTILATION SCHEMATIC
M600 NTS



3 RADIANT PANEL SCHEMATIC
M600 NTS

2 UNIT HEATER SCHEMATIC
M600 NTS

ALL DIMENSIONS TO BE SITE VERIFIED BY CONTRACTOR

#	Date	Description
0	Feb 9, 2018	Issued for Tender

Revisions
Date: February 9, 2017

Project:
**NUNAVUT WATER BOARD
NEW OFFICE BUILDING**

Gjoa Haven, NU

project north true north	Design by: BFG
	Drawing by: BFG
	Scale: As Noted

Sheet name:
**MECHANICAL
DETAILS**

Project #
17-017

Drawing #
M600