

CENTRE FOR AQUACULTURE & ENVIRONMENTAL RESEARCH NEW LABS



DRAWING LIST

ARCHITECTURAL

A0.00	COVER SHEET, LIST OF DRAWINGS LEGEND, ASSEMBLIES, ABBREVIATIONS, NOTES
A1.01	FEED LAB LOCAL SITE PLAN
A1.02	LABS 129A, 129C, 131 EXISTING BUILDING PLAN
A1.03	OVERALL SITE PLAN
A2.01	FEED LAB FLOOR PLANS FOUNDATION & FRAMING PLAN LABS 129A, 129C, 131 DEMO PLAN, NEW PLAN
A2.02	LABS 129A, 129C, 131 ROOF PLAN
A3.01	FEED LAB EXTERIOR ELEVATIONS
A4.01	FEED LAB SECTION
A5.01	LABS 129A, 129C, 131 DETAILS
A6.01	FEED LAB DETAILS
A6.02	FEED LAB DETAILS
A6.03	FEED LAB DETAILS
A6.04	FEED LAB DETAILS
A6.05	FEED LAB RAMP DETAIL
A7.01	INTERIOR ELEVATIONS
A7.02	MILLWORK DETAILS
A8.01	DOOR, WINDOW, & FINISH SCHEDULES, EQUIPMENT TO BE RELOCATED

STRUCTURAL

S1.01	STRUCTURAL NOTES
S2.01	FOUNDATION PLAN, SECTIONS AND DETAILS
S2.02	FLOOR FRAMING PLAN, DETAILS AND SECTIONS

STRUCTURAL (ALUMINUM FRAME ASSEMBLY)

SH1	STRUCTURAL ALUMINUM FRAME, 3D GENERAL ARRANGEMENT, GENERAL NOTES, DRAWING INDEX AND LEGEND
SH2	STRUCTURAL ALUMINUM FRAME, ROOF FRAMING PLAN AND ROOF FRAMING DETAIL
SH3	STRUCTURAL ALUMINUM FRAME, FLOOR FRAMING PLAN AND ROOF FRAMING DETAIL
SH4	STRUCTURAL ALUMINUM FRAME, COLUMN PLAN AND DETAILS
SH5	STRUCTURAL ALUMINUM FRAME, COLUMN BASES PLAN AND CABLE BRACING GUSSET PLATE PLAN, SECTIONS AND DETAILS
SH6	STRUCTURAL ALUMINUM FRAME, HALF CROSS SECTIONS
SH7	STRUCTURAL ALUMINUM FRAME, KNEE BRACING AND ROOF BEAM CONNECTION DETAILS, SHEET 1 OF 2
SH8	STRUCTURAL ALUMINUM FRAME, KNEE BRACING AND ROOF BEAM CONNECTION DETAILS, SHEET 2 OF 2
SH9	STRUCTURAL ALUMINUM FRAME, ROOF FRAMING AND FLOOR FLOOR FRAMING, SECTIONS AND DETAILS
SH10	STRUCTURAL ALUMINUM FRAME, COLUMN BASE MK-C81, SECTIONS AND DETAILS
SH11	STRUCTURAL ALUMINUM FRAME, COLUMN BASE MK-C82 AND COLUMN BASE MK-C83, SECTIONS AND DETAILS

PRE-FAB FRAME DRAWINGS

PRE-FAB FRAME DRAWINGS
- 12 PAGES

INSULATED PANEL DRAWINGS

A0	TITLE BLOCK
A1	PLAN VIEW
A2	FLOOR PLAN
A3	ROOF PANELS
A4	ELEVATIONS
A5	DETAILS-GALVANIZED
A6	DETAILS-MELCHER GREEN
A7	DETAILS-WHITE
4-30-10-AR	PREFABRICATED BUILDING MODEL 24X24-S1 (BUILDING 'B') SLEEP QUARTERS STYLE '1' BUILDING CROSS SECTION AND INSULATED PANEL CONNECTION DETAILS
4-30-10-AR	PREFABRICATED BUILDING MODEL 24X24-S1 (BUILDING 'B') SLEEP QUARTERS STYLE '1' MISCELLANEOUS INSULATED PANEL CONNECTION DETAILS
4-30-10-AR	PREFABRICATED BUILDING MODEL 24X24-S1 (BUILDING 'B') SLEEP QUARTERS STYLE '1' DOOR SCHEDULE AND DETAILS
4-30-10-AR	PREFABRICATED BUILDING MODEL 24X24-S1 (BUILDING 'B') SLEEP QUARTERS STYLE '1' WINDOW SCHEDULE AND DETAILS, ROOM FINISHES SCHEDULE
A-15	FIELD CAMP BUILDING

MECHANICAL

M0.01	SCHEDULES, LEGEND & DRAWING LIST
M1.01	PLUMBING - LABS 129A, 129C, 131 DEMO AND NEW PLANS
M1.02	PLUMBING - FEED LAB PLAN AND DETAILS
M2.01	MECHANICAL - LABS 129A, 129C, 131 DEMO AND NEW PLANS
M2.02	MECHANICAL - FEED LAB PLAN AND DETAILS

ELECTRICAL

E1.0	EXTERIOR LAB & DETAILS
E2.0	INTERIOR LAB & DETAILS

CIVIL

C1.0	SITE PLAN AND SERVICING
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FEED LAB WALL - ASSEMBLIES

W1	TYPICAL EXTERIOR WALL ASSEMBLY PREFAB EPS WALL PANEL METAL SKIN (PREFINISHED) R24 RIGID INSULATION 152mm THICK PANEL METAL SKIN (PREFINISHED) ALUMINIUM FRAME
W2	EXTERIOR WALL ASSEMBLY - FURRED OUT (FRR 45 MINUTE) PREFAB EPS WALL PANEL METAL SKIN (PREFINISHED) R24 RIGID INSULATION 152mm THICK PANEL METAL SKIN (PREFINISHED) 12mm AIR SPACE 92mm STEEL STUD @400 O.C. 16mm TYPE X GWB
P1	INTERIOR COOLER WALL PREFAB EPS WALL PANEL METAL SKIN (PREFINISHED) R24 RIGID INSULATION 152mm THICK PANEL METAL SKIN (PREFINISHED)
P4	COOLER WALL AT SHELVES PREFAB EPS WALL PANEL METAL SKIN (PREFINISHED) R24 RIGID INSULATION 152mm THICK PANEL METAL SKIN (PREFINISHED) 92mm STEEL STUD @400 O.C. 16mm TYPE X GWB LAB SIDE

RENOVATED LABS - WALL ASSEMBLIES

P10	INTERIOR PARTITION EXISTING 200mm CONCRETE BLOCK WALL PAINT FINISH
P11	INTERIOR PARTITION 13mm TYPE X GYPSUM WALL BOARD 13mm PLYWOOD 102mm STEEL STUD @400 O.C. 13mm PLYWOOD 13mm TYPE X GYPSUM WALL BOARD
P12	INTERIOR PARTITION 13mm GYPSUM WALL BOARD - 2 LAYERS 13mm TYPE X GYPSUM WALL BOARD 102mm STEEL STUD @400 O.C. 13mm GYPSUM WALL BOARD - 2 LAYERS 13mm TYPE X GYPSUM WALL BOARD

ROOF ASSEMBLIES

R1	TYPICAL ROOF ASSEMBLY EPS ROOF PANEL: PREFIN. METAL SKIN, EPS INSULATION (R32 203mm), METAL SKIN
----	--

FLOOR ASSEMBLIES

F1	TYPICAL FLOOR ASSEMBLY FLOORING - SEE SCHEDULE 8mm PLYWOOD FINISHED FLOOR UNDERLAYMENT 19mm EXTERIOR GRADE PLYWOOD OVERLAY R32 (203mm) INSULATED FLOOR PANEL GALVANIZED STEEL DECKING PEEL AND STICK ISOLATION MEMBRANE ALUMINIUM FRAME - SEE STRUCT.
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GENERAL NOTES:

- DO NOT SCALE DRAWING.
- THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS, DATUMS, AND LEVELS PRIOR TO COMMENCEMENT OF WORK. ALL ERRORS AND OMISSIONS TO BE REPORTED TO THE DEPARTMENTAL REPRESENTATIVE BEFORE PROCEEDING.
- VARIATIONS AND MODIFICATIONS TO WORK SHOWN ON THESE DRAWINGS SHALL NOT BE CARRIED OUT WITHOUT WRITTEN PERMISSION OF DEPARTMENTAL REPRESENTATIVE.
- ALL DIMENSIONS ARE TO GRIDLINES, FACE OF CONCRETE, FACE OF STUDS OR CENTERLINE OF COLUMNS UNLESS NOTED OTHERWISE.
- ALL DIMENSIONS ARE METRIC (mm) UNLESS NOTED OTHERWISE.
- THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH AND COORDINATED WITH THE SPECIFICATIONS AND THE DOCUMENTS OF THE OTHER DISCIPLINES THAT FORM THE FULL CONTRACT DOCUMENT PACKAGE. WHERE CONFLICT EXISTS BETWEEN DOCUMENTS, THESE ARE TO BE REPORTED TO THE DEPARTMENTAL REPRESENTATIVE BEFORE PROCEEDING.
- ENSURE COMPATIBILITY OF METAL FASTENERS, SHEET METALS AND OTHER METAL ITEMS WITH EACH OTHER AND WITH PRESSURE TREATED WOOD. PROVIDE ISOLATION WHERE REQUIRED. ALWAYS ISOLATE P.T. WOOD FROM METALS.

LEGEND:

#	DETAIL NUMBER
A.XX	SHEET NUMBER
◇	ASSEMBLY TYPE R-ROOF, F-FLOOR W-WALL, P-PARTITION
#	GRID MARKER
000	DOOR NUMBER
00	WINDOW NUMBER
➤	SECTION CUT DIRECTION MARKER
ROOM NAME 000	ROOM NAME ROOM NUMBER
ACT 2438	FINISH TYPE HEIGHT ABOVE FINISHED FLOOR
7	MILLWORK ELEVATIONS

ABBREVIATIONS:

AB	AIR BARRIER	(N)	NEW
ACM	ASBESTOS CONTAINING MATERIAL	N.I.C.	NOT IN CONTRACT
ACT	ACOUSTIC CEILING TILE	N.T.S.	NOT TO SCALE
ALT.	ALTERNATE	O.C.	ON CENTER
ALUM.	ALUMINIUM	OP.	OPERABLE
ANOD.	ANODIZED	PT.	PAIN
A.F.F.	ABOVE FINISH FLOOR	P.O.	POWER OPERATOR
BLDG.	BUILDING	P.T.	PRESSURE TREATED
CARP.	CARPET	RB	RUBBER BASE
CARP. T.	CARPET TILE	RCP	REFLECTED CEILING PLAN
C.C.	CENTER TO CENTER	RE & RE	REMOVE & RELOCATE / REINSTATE
C.O.	CLEAN OUT	RM.	ROOM
C.J.	CONTROL JOINT	SAM	SELF ADHESIVE MEMBRANE
C.W.	COMPLETE WITH	SAN	SANITARY
CONC.	CONCRETE	SEP	SEPARATION
D.G.	DOUBLE GLAZED	SG	SHEET GOODS FLOORING
(E)	EXISTING	SIM.	SIMILAR
ELECT.	ELECTRICAL	SQ.	SQUARE
F.E.	FIRE EXTINGUISHER	S.S.	STAINLESS STEEL
F.E.C.	FIRE EXTINGUISHER CABINET	ST	STEEL
FIN.	FINISH	STRUCT.	STRUCTURAL
FNDT.	FOUNDATION	SV	SHEET VINYL
FRR	FIRE RESISTANCE RATING	TBD	TO BE DETERMINED
FTG	FOOTING	T.G.	TRIPLE GLAZED
GWB	GYPSUM WALL BOARD	THLD.	THRESHOLD
GA	GAUGE	T.O.	TOP OF
G.I.	GALVANIZED	TYP.	TYPICAL
H.M.	HOLLOW METAL	U.G.	UNDER GROUND
HDWR	HARDWARE	U.N.O.	UNLESS NOTED OTHERWISE
HORIZ.	HORIZONTAL	U/S	UNDERSIDE
INSUL.	INSULATION	VB	VAPOUR BARRIER
MATL.	MATERIAL	VERT.	VERTICAL
MECH.	MECHANICAL	VCT	VINYL COMPOSITE TILE
MEMB	MEMBRANE	W/	WITH
MB	MOISTURE BARRIER	WD.	WOOD
MIN.	MINIMUM OR MINUTES	W/O	WITH OUT

Name of Project: Feed Lab Location: 4160 Marine Drive					
Item	2010 National Building Code Data Matrix				Part 3 NBC 2010 Reference
1	Project Description: - <input type="checkbox"/> New <input type="checkbox"/> Addition <input checked="" type="checkbox"/> Renovation 1 New Modular Buildings - Aluminium frame with metal faced rigid insulation panels.				
2	Building Area (m ²):	58.2 sq.m.	1.4.1.2[A]		
3	Number of Storeys:	1	1.4.1.2[A], 3.2.1.1		
4	Separation of Occupancies:	N/A	3.1.3.1		
5	Number of Streets/Access Routes:	1	3.2.2.10		
6	Major Occupancy(s):	Feed Lab Group F - Division 3		3.2.2.62 3.2.2.85	
	Required Fire Resistance Rating (FRR)	Fire Resistance Ratings (Hours)		Listed Design No. or Description	
		Roof	N/A - 0 Hrs.	See Assemblies	
		Floors	N/A - 0 Hrs.		
		Supporting Walls	N/A - 0 Hrs.		
7	Sprinkler System Proposed:	<input type="checkbox"/> Entire Building <input checked="" type="checkbox"/> No		-	
8	Standpipe Required:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		3.2.5.8	
9	Fire Alarm Required:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		3.2.4	
10	Water Service/Supply is Adequate:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		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		3.2.2.20-83	
	Actual Construction:	<input checked="" type="checkbox"/> Combustible <input type="checkbox"/> Non-Combustible <input type="checkbox"/> Both			
15	Spatial Separation - South Exterior Wall - Acoustics Lab only:				
	Area of Wall (m ²)	L.D. (m ²)	L/H or H/L	Permitted % of Openings	FRR (hours)
	21.5 sq.m	1.8m	N/A	10%	.75 Hours
	Combustible Construction Non-Combustible Cladding				
16	Occupant Load Based On:	<input checked="" type="checkbox"/> m ² /person <input type="checkbox"/> Design of Building		3.1.17	
	Feed Lab	34.2 sq.m. manufacture / 4.6 sq.m/person = 7 18 sq.m. storage / 28 sq.m/person = 1 Total 8 Persons			
17	Barrier-Free Design:	<input checked="" type="checkbox"/> Yes (Feed Lab)		3.8	

2	TENDER	2018-08-16
1	REVIEW	2018-07-24
Revision/Revision	Description/Description	Date/Date
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Drawing title/Titre du dessin		
COVER SHEET, LIST OF DRAWINGS, LEGEND, ASSEMBLIES, ABBREVIATIONS, NOTES		
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-	A0.00	1



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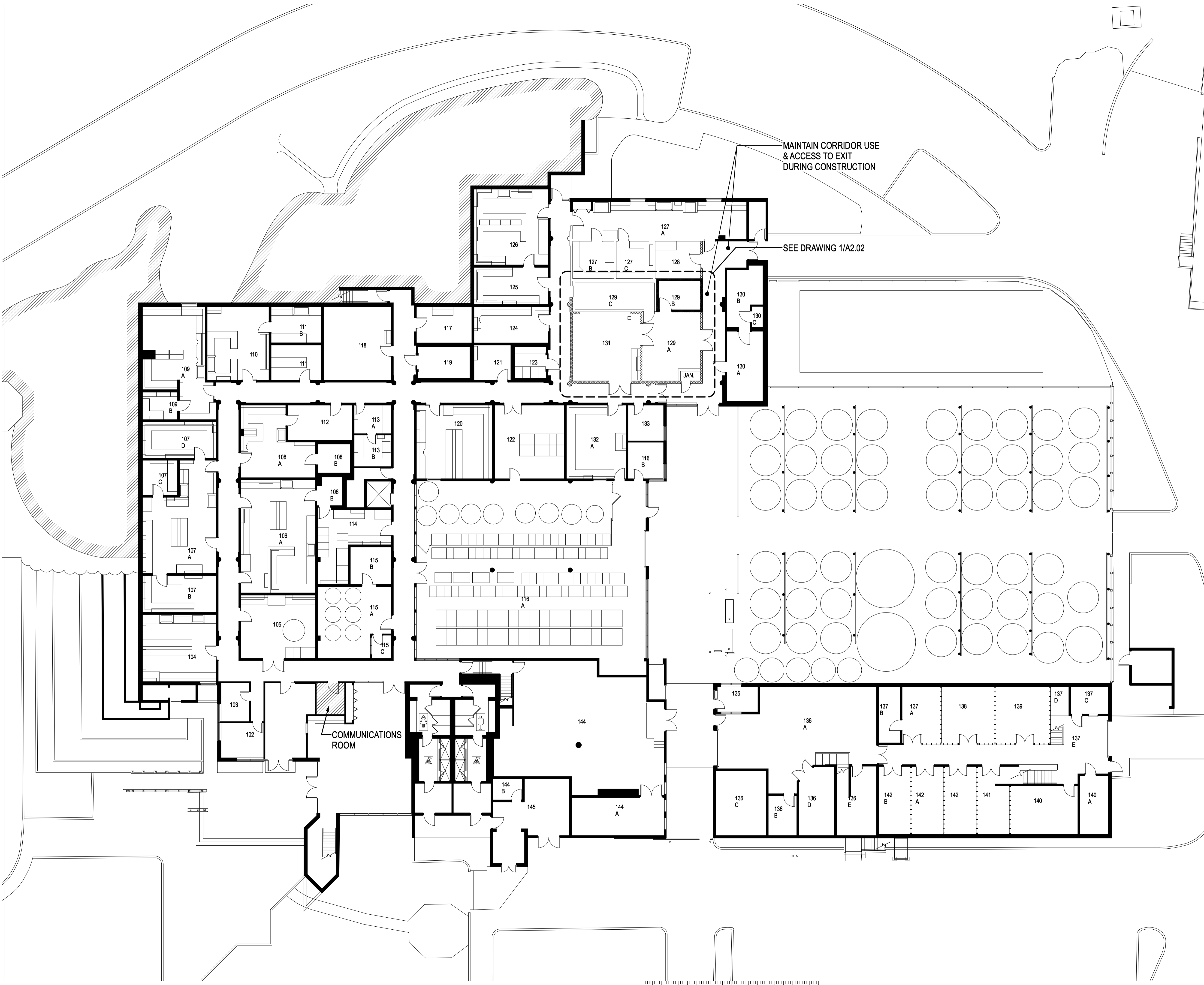
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**FEED LAB
LOCAL
SITE PLAN**

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-	A1.01	1

1 LOCAL SITE PLAN
SCALE: 1:100





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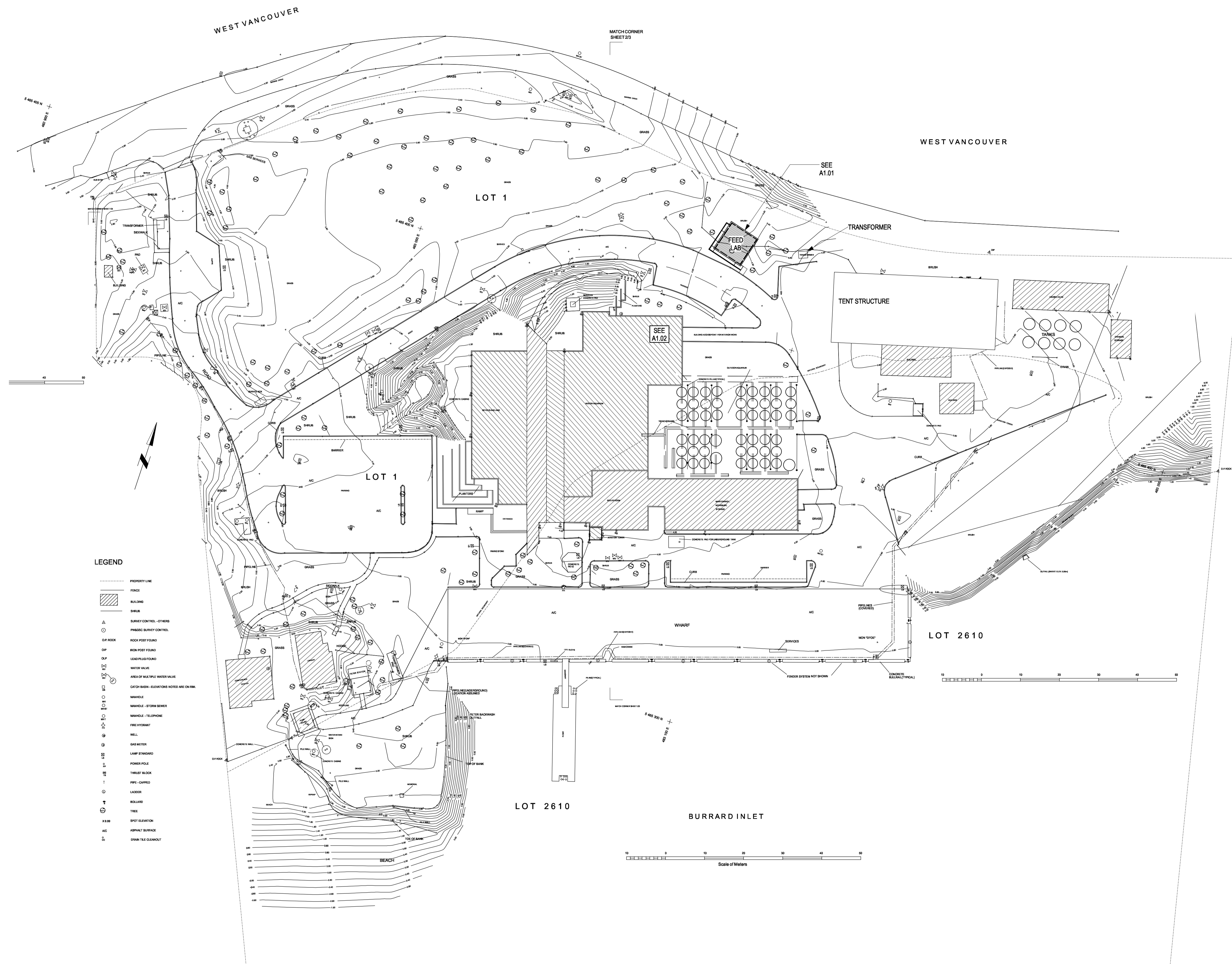
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**LABS 129A, 129C, 131
 EXISTING BUILDING
 PLAN**

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-	A1.02	1





- LEGEND**
- PROPERTY LINE
 - ▨ FENCE
 - ▭ BUILDING
 - ▨ SHEAR
 - △ SURVEY CONTROL - OTHERS
 - PRRSIC SURVEY CONTROL
 - ROCK POST FOUND
 - IRON POST FOUND
 - LEAD PILE FOUND
 - WATER VALVE
 - AREA OF MULTIPLE WATER VALVE
 - CATCH-BASIN - ELEVATIONS NOTED ARE ON PLAN
 - MANHOLE
 - MANHOLE - STORM SEWER
 - MANHOLE - TELEPHONE
 - FIRE HYDRANT
 - WELL
 - GAS METER
 - LAMP STANDARD
 - POWER POLE
 - TRUSSET BLOCK
 - PIPE - CAPPED
 - LADDER
 - BOLLARD
 - TREE
 - X 1.50
 - AC
 - DOWN TIE CLEAROUT

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**OVERALL
SITE PLAN**

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-	A1.03	1

1 OVERALL SITE PLAN
SCALE: 1:500





SEE A7.01 FOR ELEVATIONS



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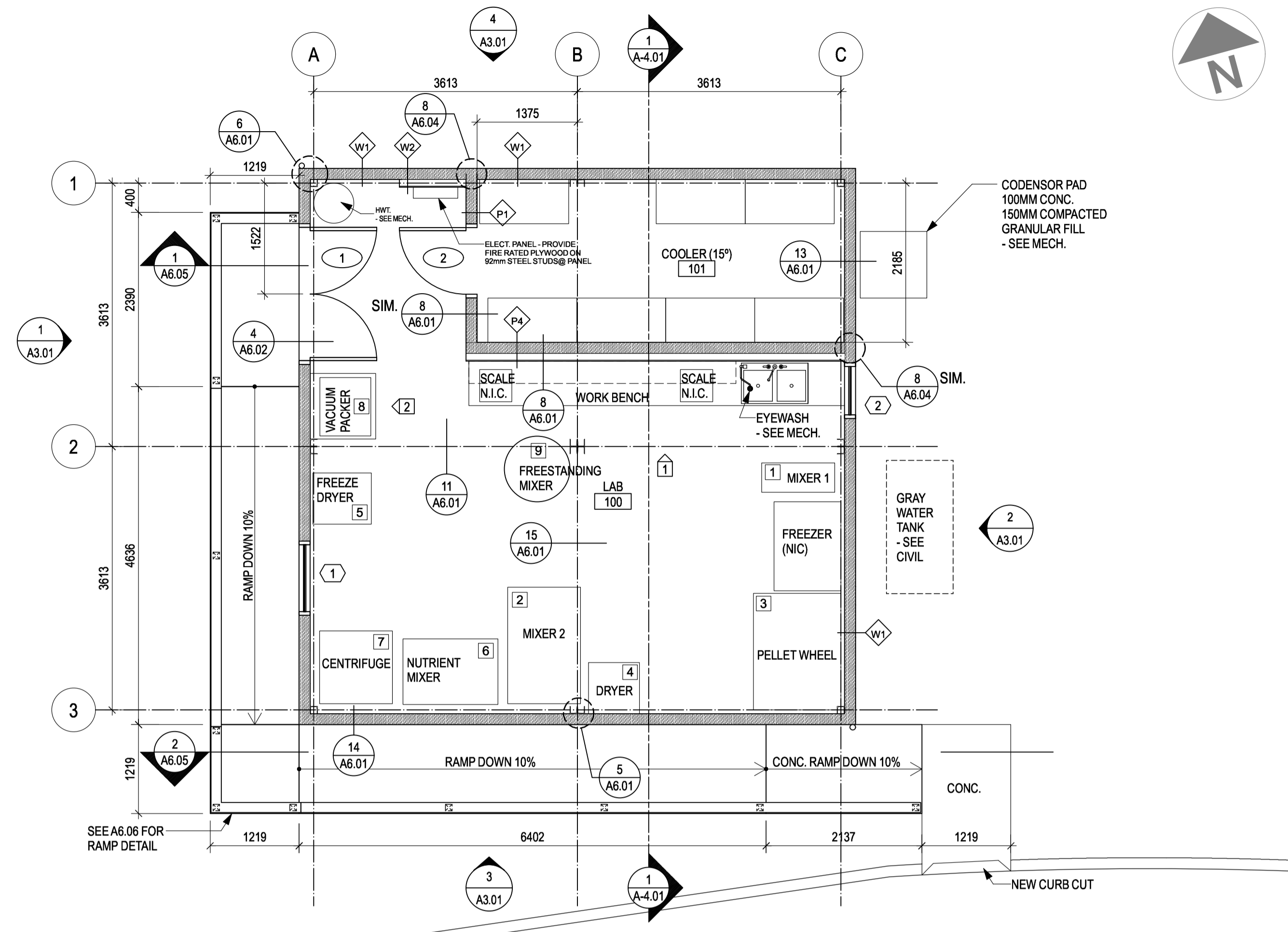
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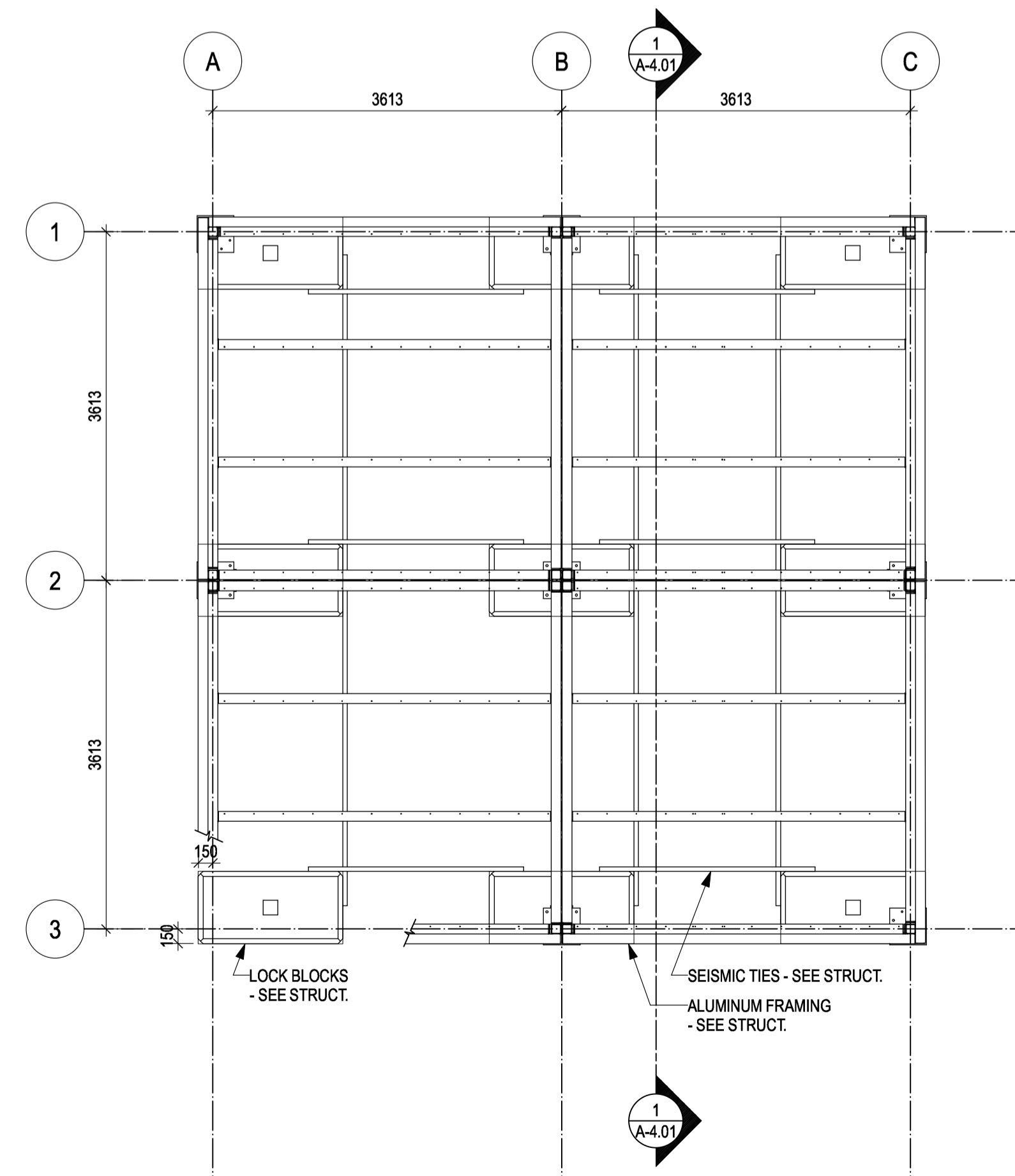
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FEED LAB FLOOR PLANS FOUNDATION & FRAMING PLAN

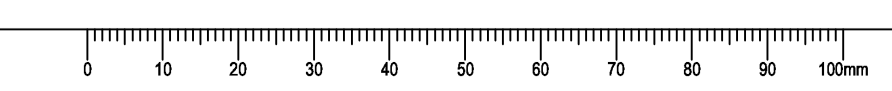
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-	A2.01	1



1 FLOOR PLAN - FEED LAB
A2.01 SCALE: 1:50



2 FOUNDATION & FRAMING PLAN
A2.01 SCALE: 1:50





GENERAL NOTES

- SEE MECH. FOR LOCATIONS OF COMPRESSED AIR OUTLETS. ALL OUTLETS TO BE SURFACE MOUNT ON WALL ABOVE LAB BENCHES. MIN. 1020mm ABOVE FLOOR
- DRAIN AND CLEAN SUMP PIT WHEN ALL CUTTING AND DUST PRODUCING WORK IS COMPLETE.

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Revision		

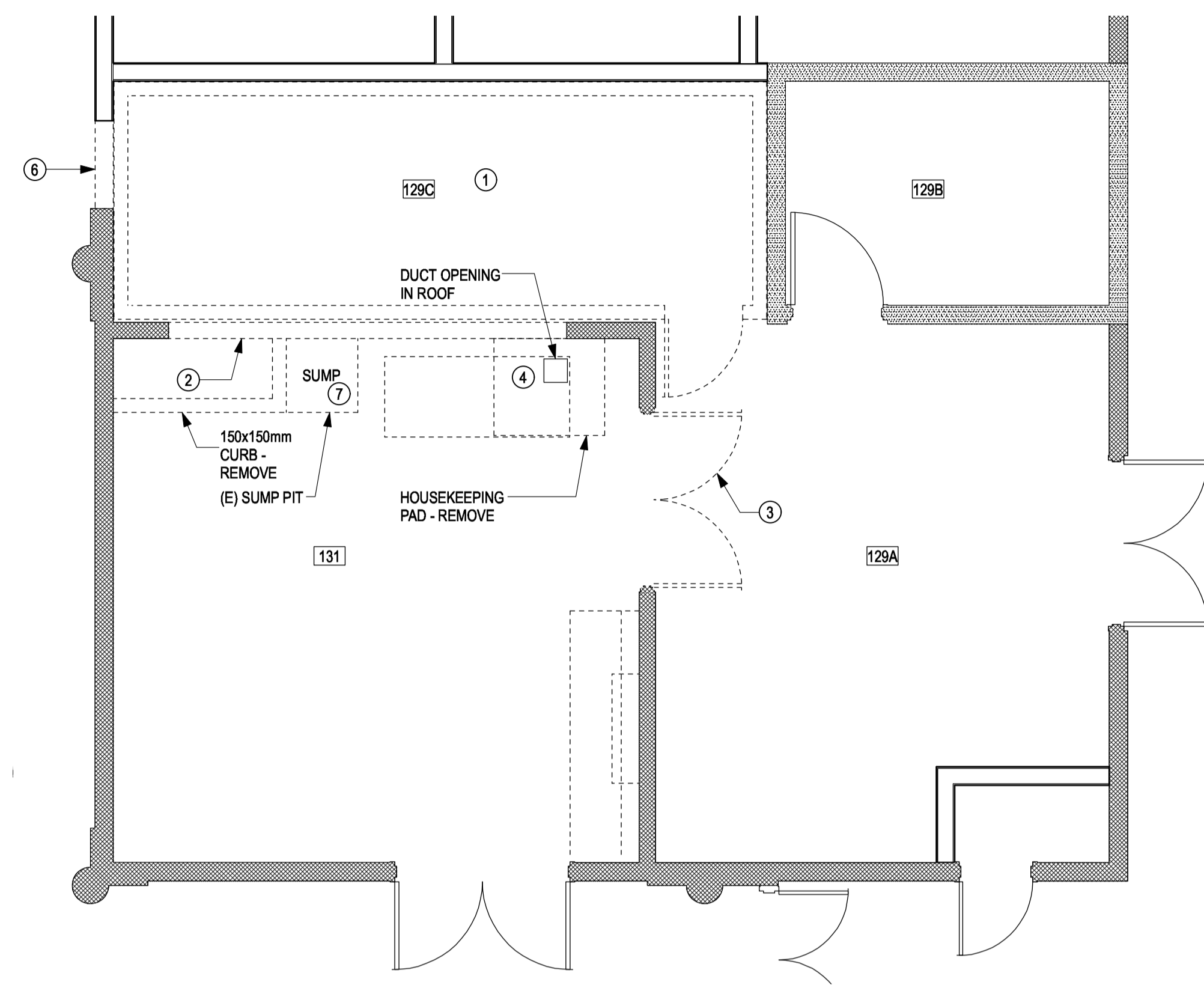
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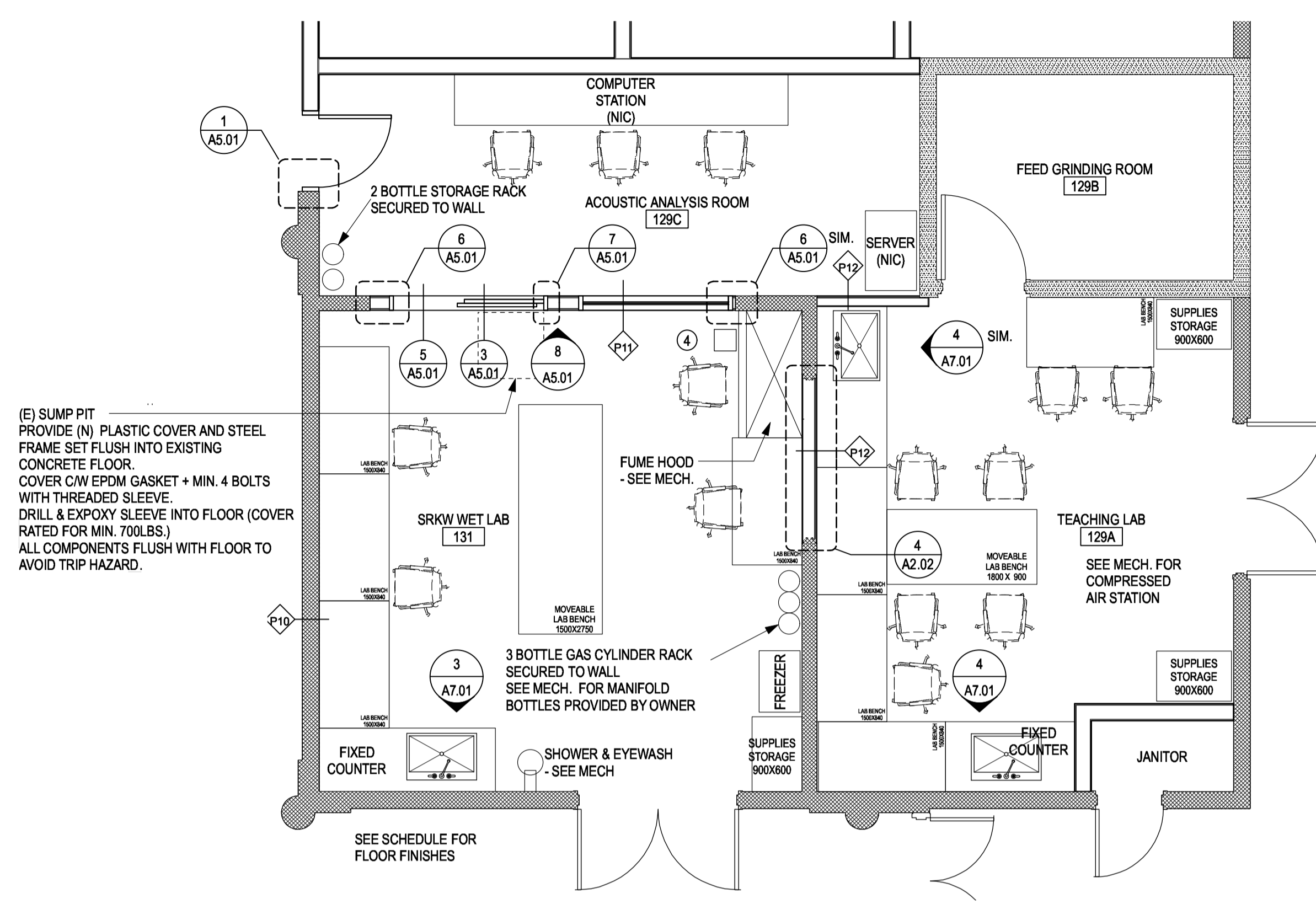
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LABS 129A, 129C, 131 DEMO PLAN, NEW PLAN

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-	A2.02	1

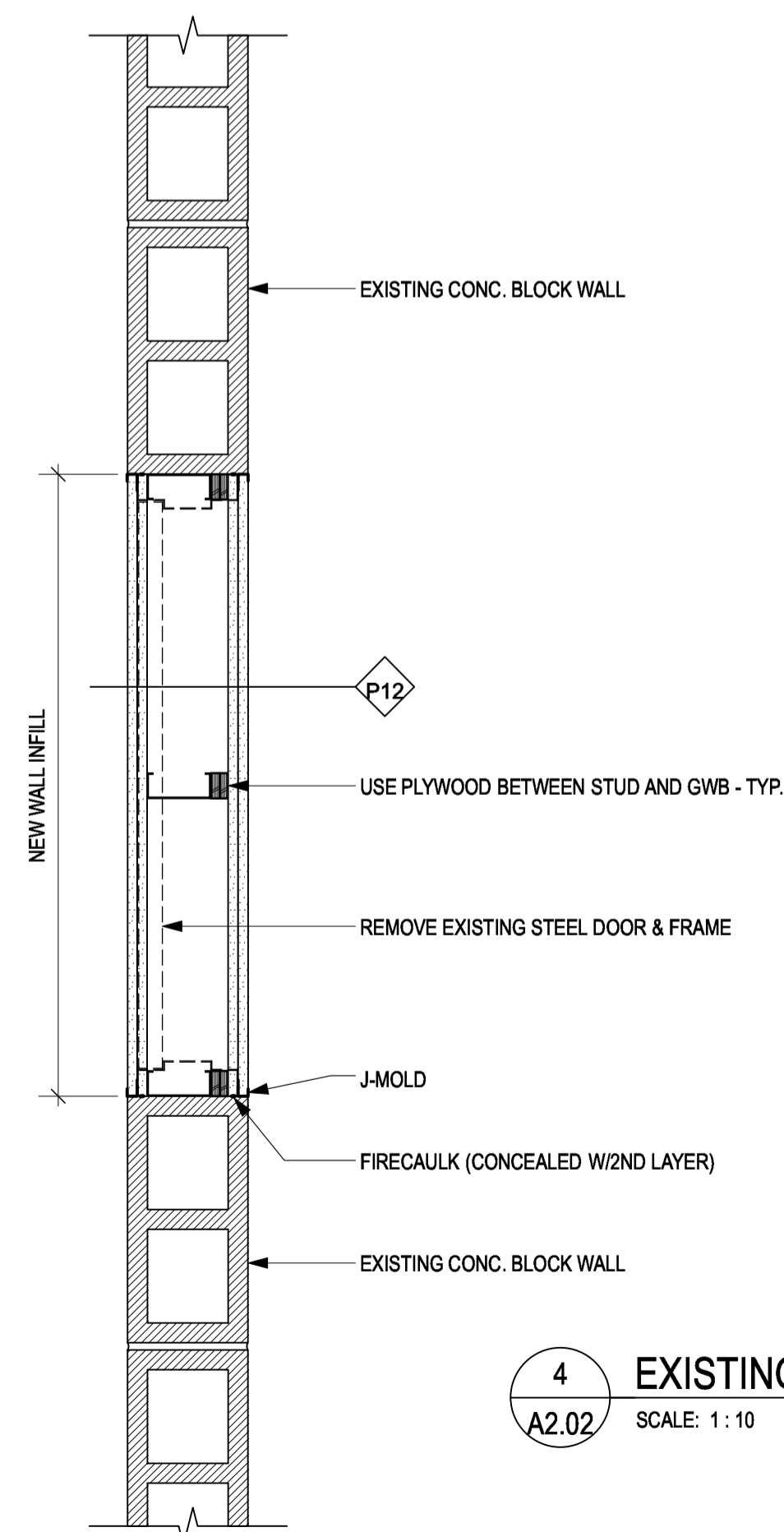


2 DEMO FLOOR PLAN
A2.02 SCALE: 1:50



1 NEW FLOOR PLAN
A2.02 SCALE: 1:50

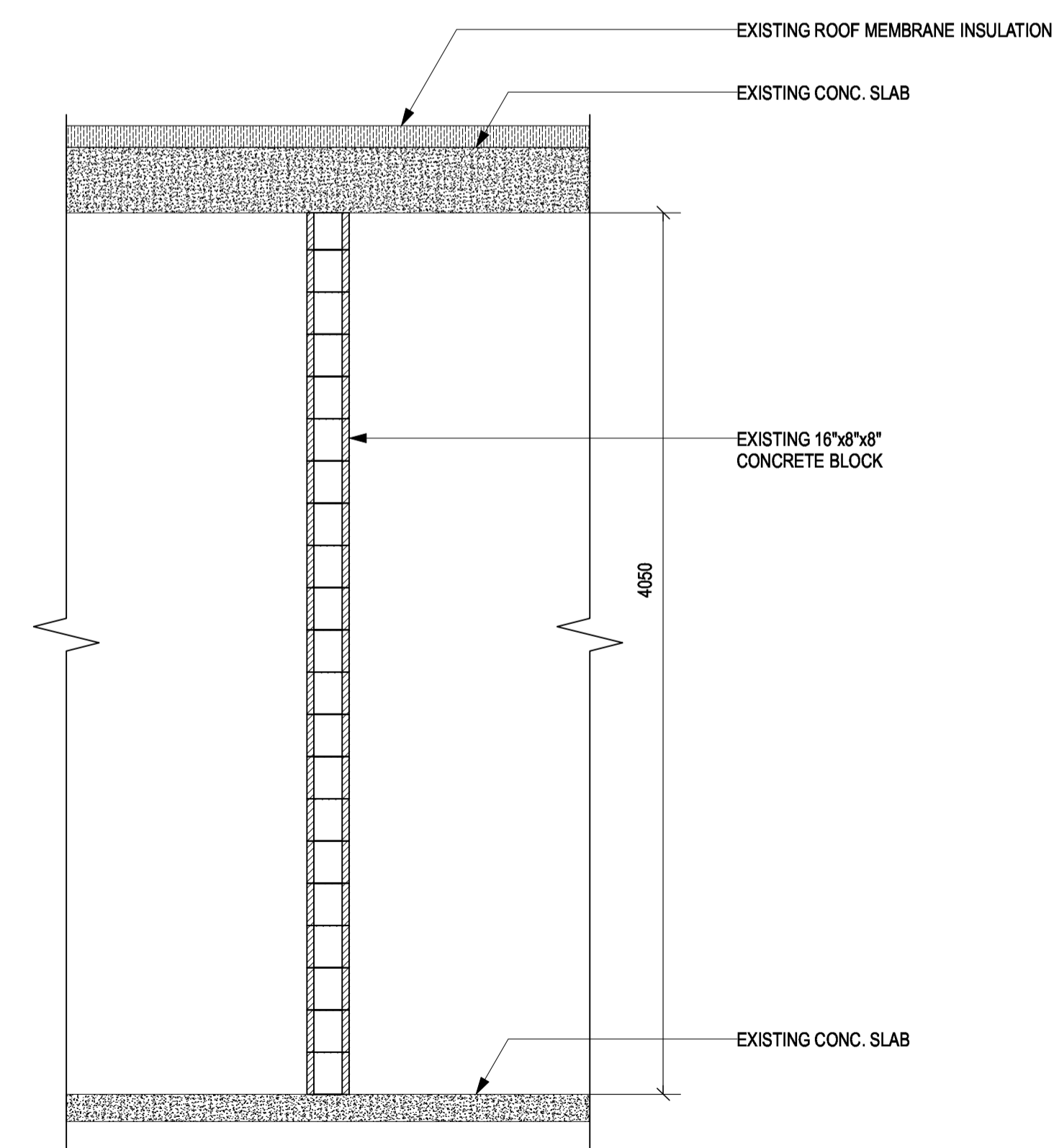
(E) SUMP PIT PROVIDE (N) PLASTIC COVER AND STEEL FRAME SET FLUSH INTO EXISTING CONCRETE FLOOR. COVER CW EPDM GASKET + MIN. 4 BOLTS WITH THREADED SLEEVE. DRILL & EXPOXY SLEEVE INTO FLOOR (COVER RATED FOR MIN. 700LBS.) ALL COMPONENTS FLUSH WITH FLOOR TO AVOID TRIP HAZARD.



4 EXISTING DOOR INFILL
A2.02 SCALE: 1:10

DEMO NOTES:

- REMOVE (E) INSULATED FREESTANDING COOLER
- REMOVE (E) CONC. BLOCK TO U/S OF CONC. SLAB CEILING (4050mm TALL)
- REMOVE (E) STEEL DOORS & FRAME
- 
- REMOVED CONC. PADS & CURBS TO BE GROUND FLUSH W/ (E) SLAB TO REMAIN - PATCH CONC. FLOOR WHERE CHIPPED OR DAMAGED BY REMOVAL
- PROVIDE OPENING IN GWB. FOR NEW DOOR. PROVIDE (N) HEADER AS REQUIRED
- DRAIN AND CLEAN SUMP PIT WHEN ALL CUTTING AND DUST PRODUCING WORK IS COMPLETE.

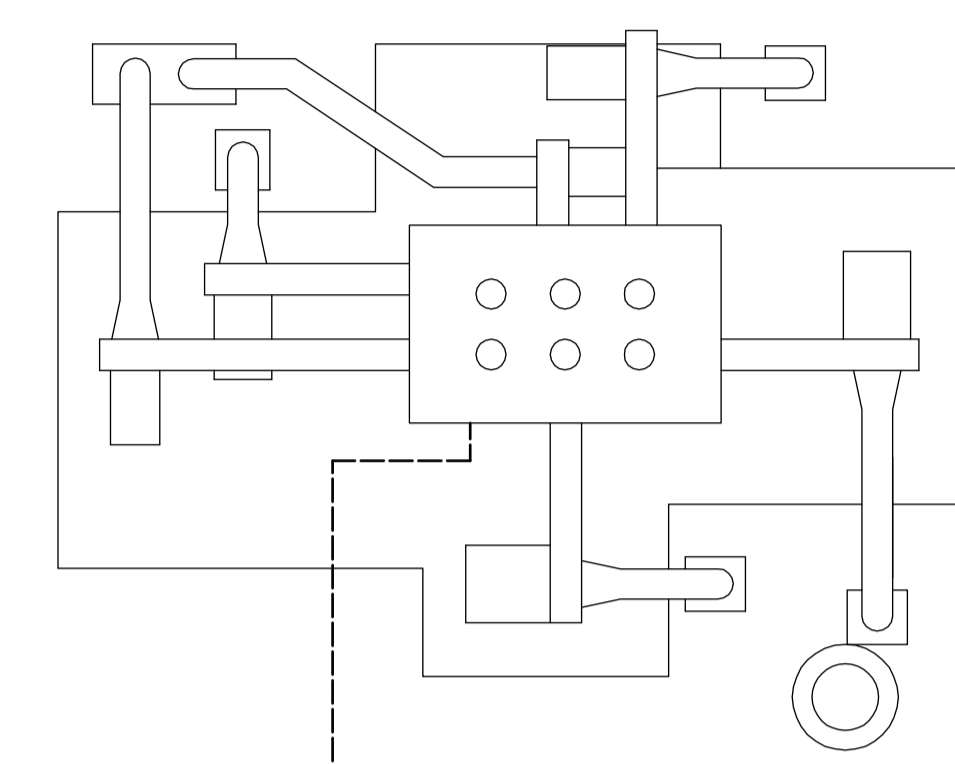


3 TYPE (E) WALL SECTION
A2.02 SCALE: 1:25

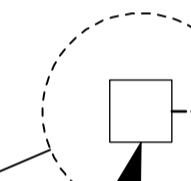




NEW EXHAUST SECURED TO EXTERIOR OF (E) TOWER



(N) EXHAUST - SEE MECH.



(N) METAL FLASHING CAP INTEGRATED TO (N) DUCT TO FIT OVER (E) CURB. PATCH MEMBRANE WHERE DAMAGED BY REMOVAL.

1 ROOF PLAN
A2.03 SCALE: 1 : 50

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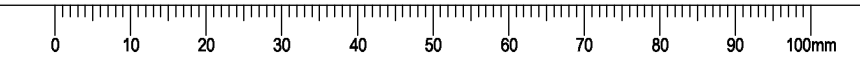
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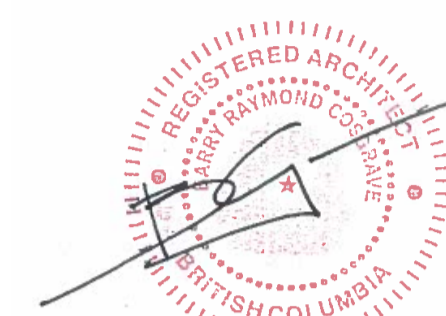
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PREETIPAL PAUL

Drawing title/Titre du dessin
**LABS 129A, 129C, 131
ROOF PLAN**

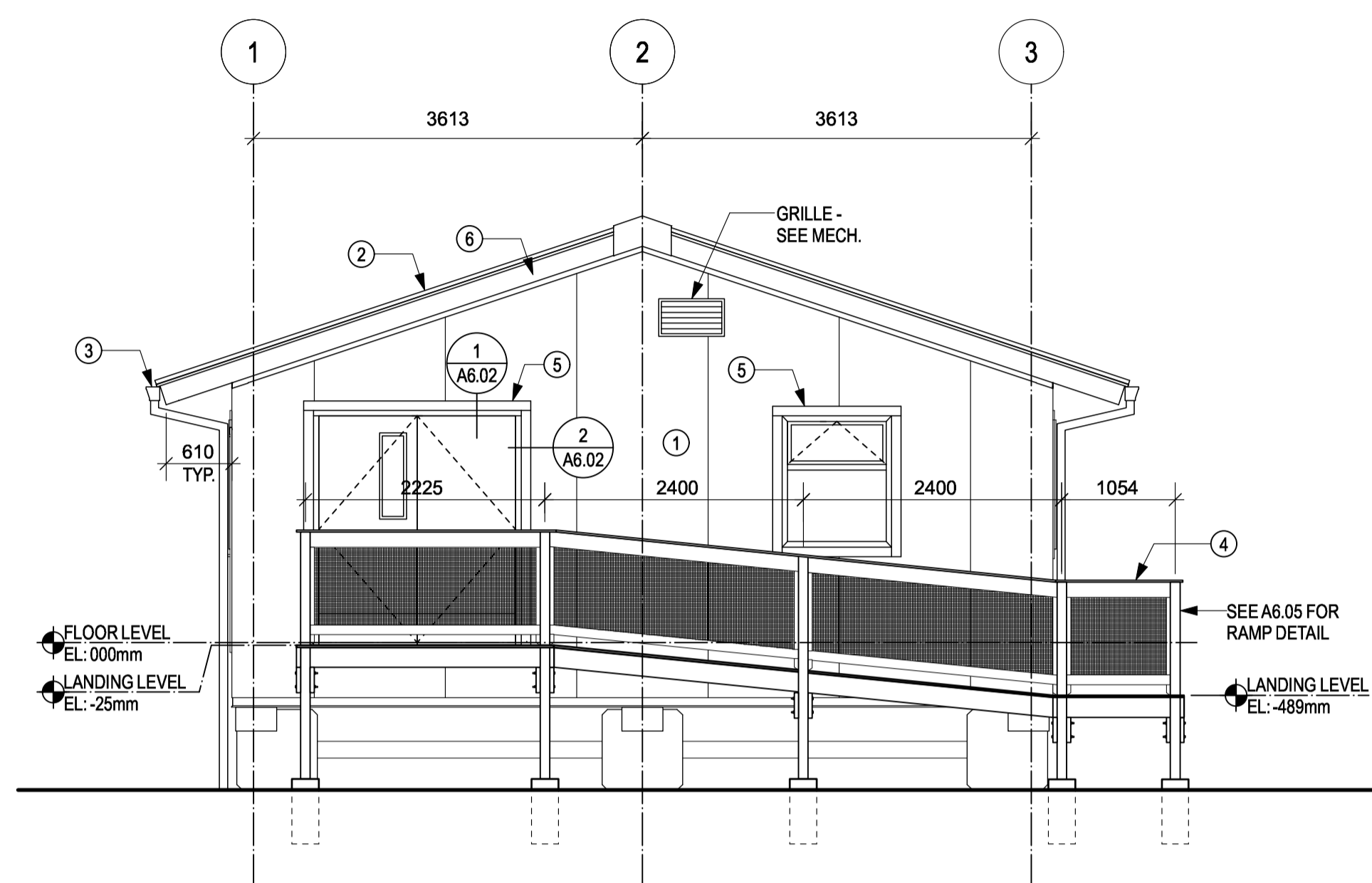
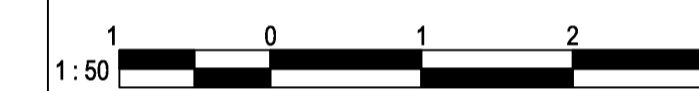
Project No./No. du projet	Sheet/ Feuille	Revision no./ La Révision no.
-	A2.03	1



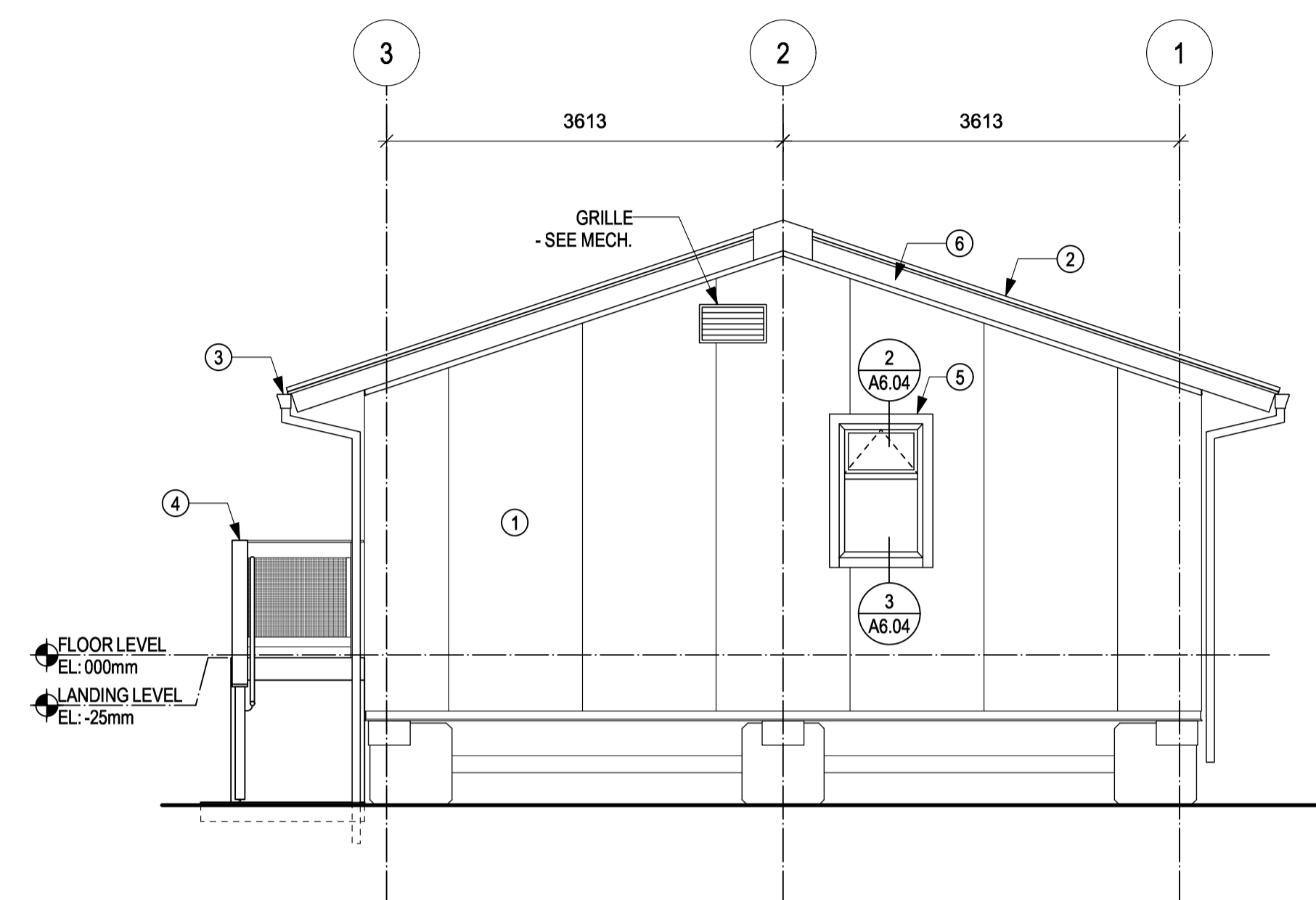


KEY NOTES:

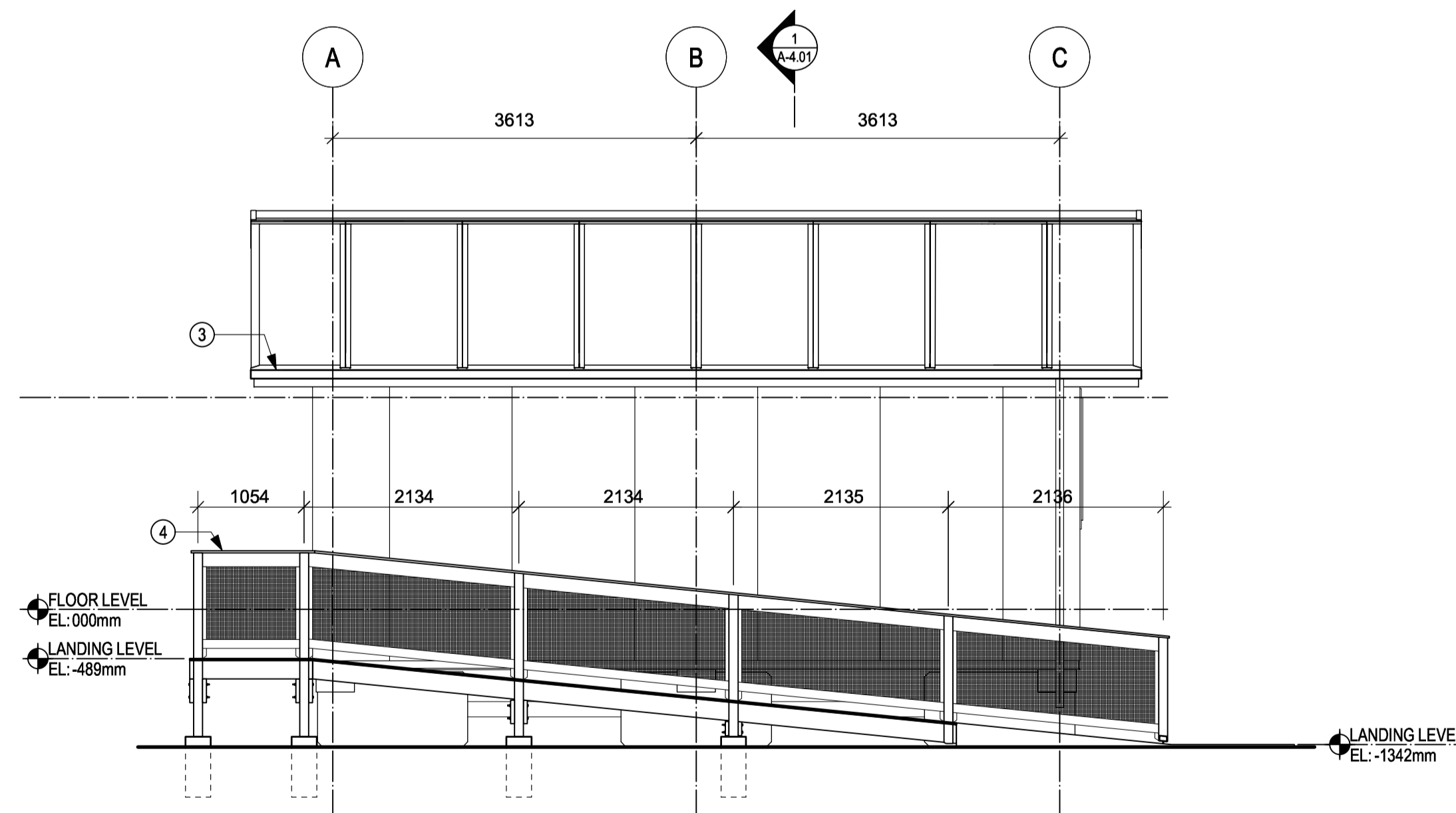
- ① EPS WALL PANEL
- ② METAL ROOF
- ③ ALUMINUM GUTTER & DOWN SPOUT
- ④ WOOD STAIRS & RAMP. GALV. RAILINGS. COMPOSITE CAP.
- ⑤ PREFINISHED GALVANIZED STEEL BATTEN FRAME. CONSULTANTS TO SELECT COLOUR FROM STANDARD RANGE
- ⑥ ALUM. FLASHING



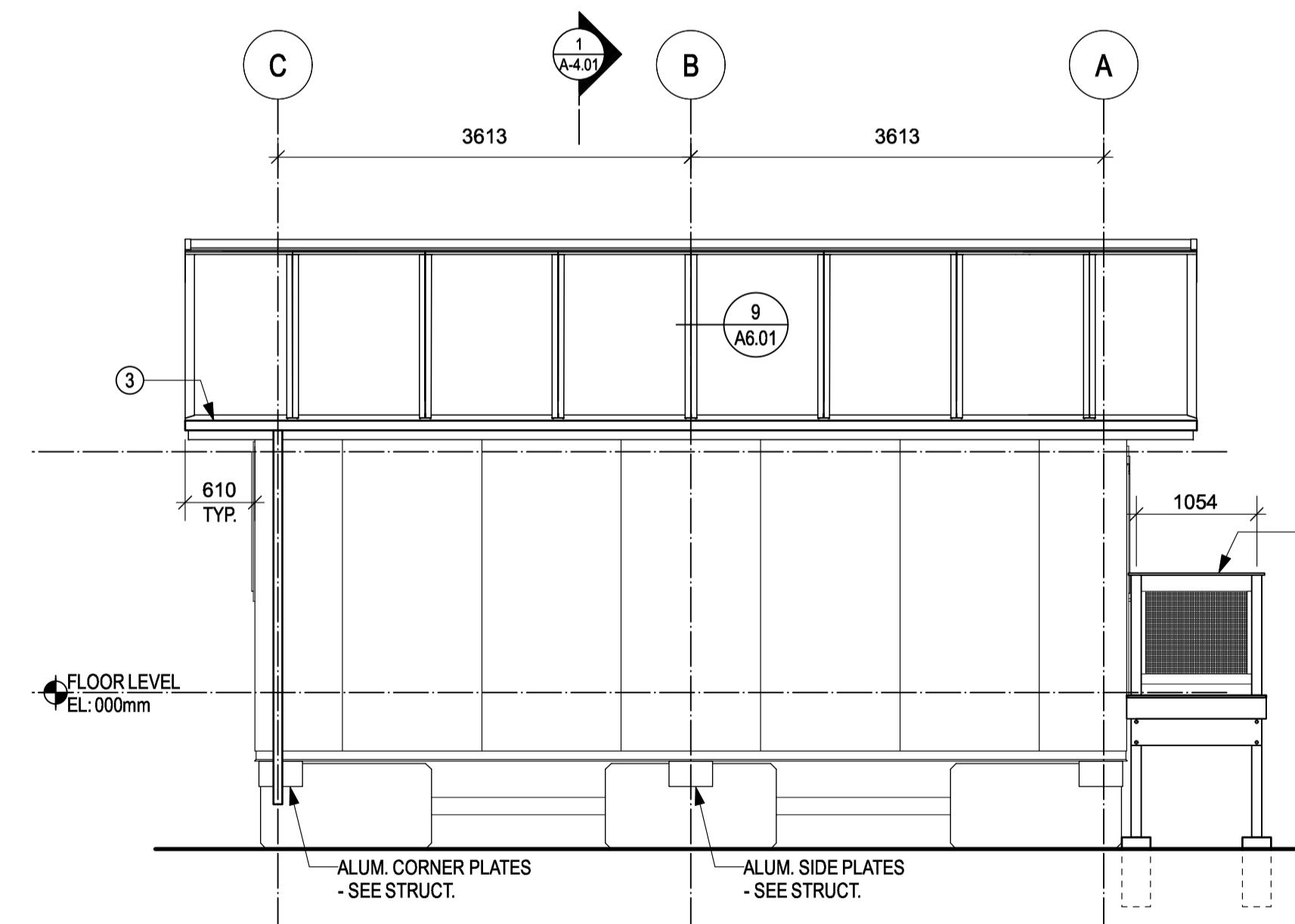
1 ELEVATION
A3.01 SCALE: 1:50



2 ELEVATION
A3.01 SCALE: 1:50



3 ELEVATION
A3.01 SCALE: 1:50



4 ELEVATION
A3.01 SCALE: 1:50

2	TENDER	2018-08-16
1	REVIEW	2018-07-24
Revision/Revision	Description/Description	Date/Date

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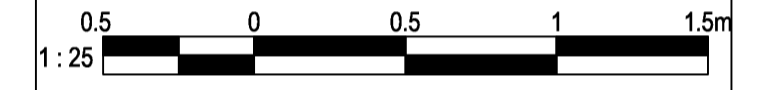
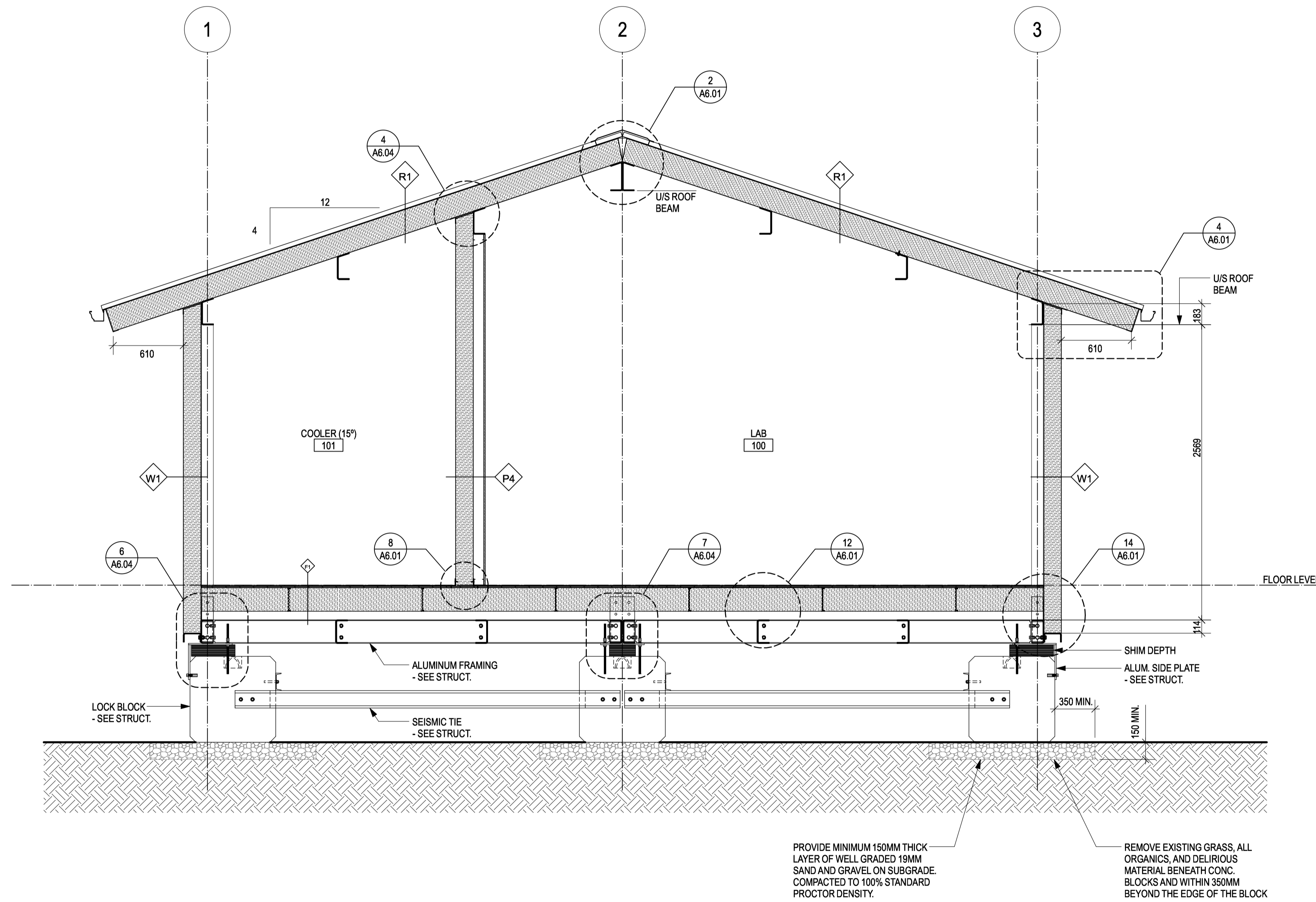
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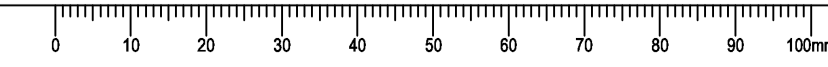
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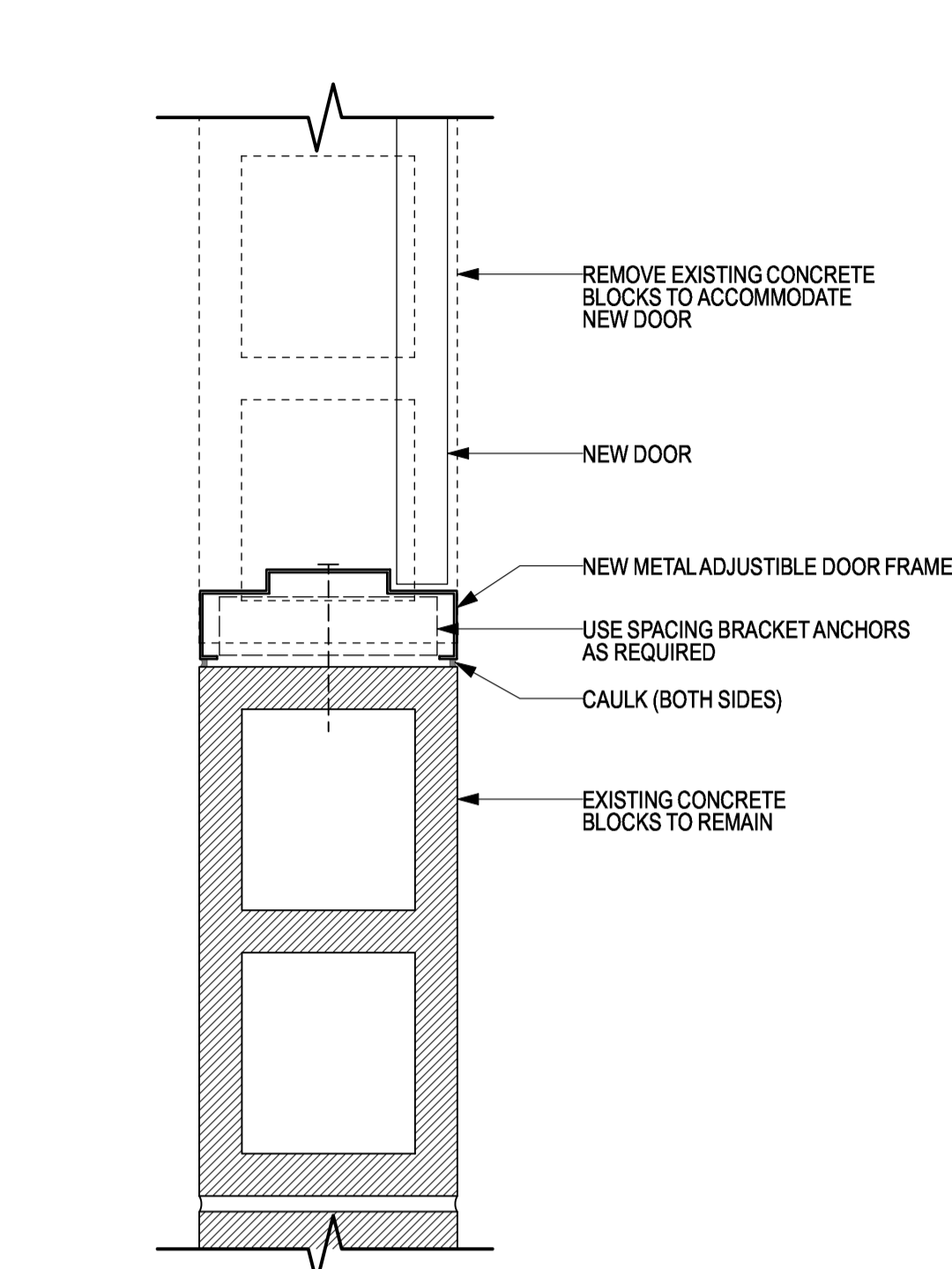
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**FEED LAB
SECTION**

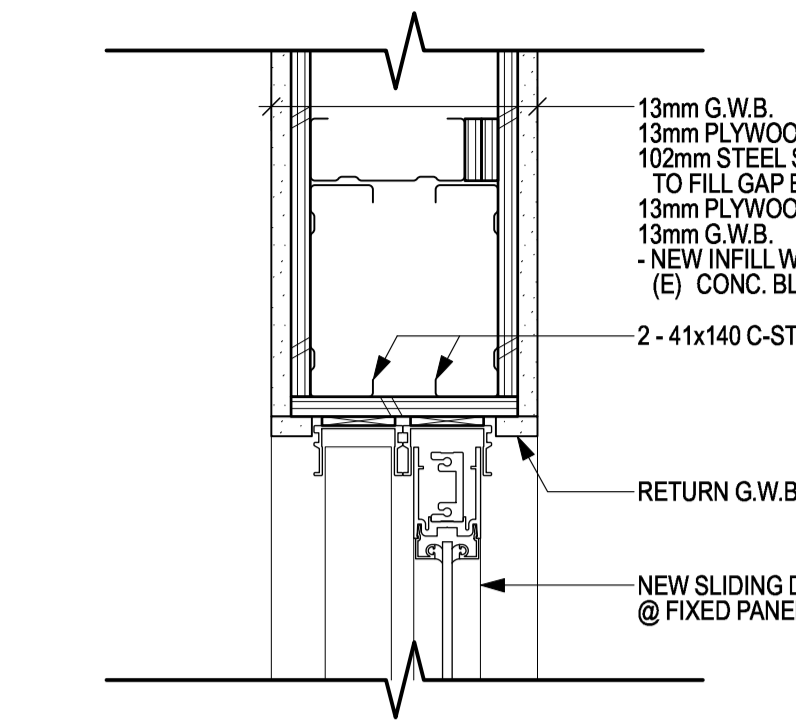
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-	A4.01	1

1 SECTIONS
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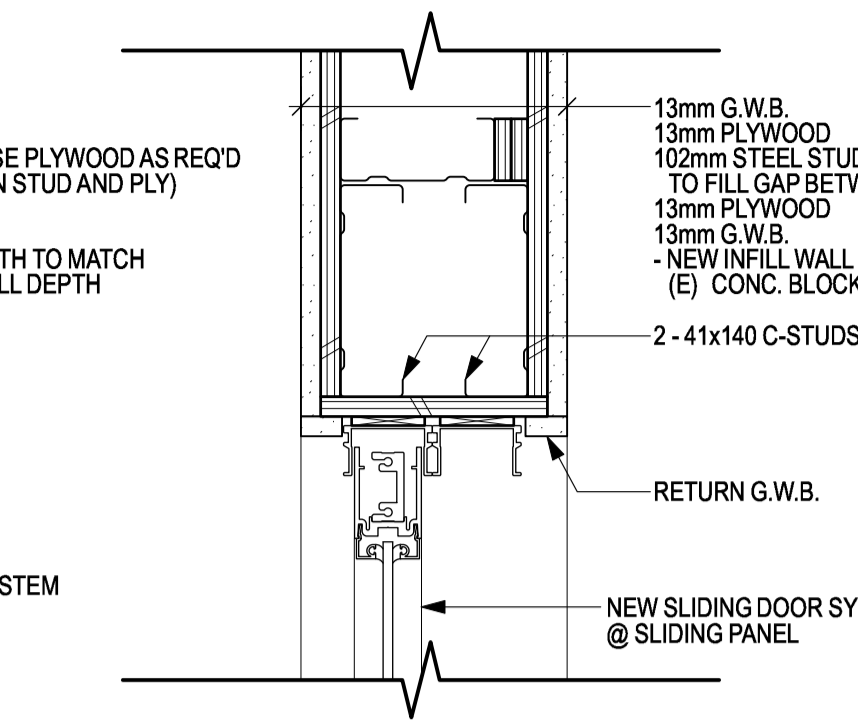




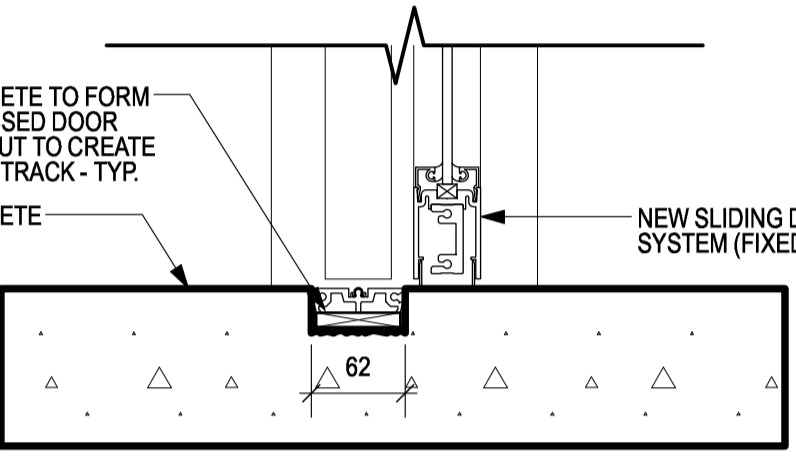
1 NEW DOOR JAMB @ CONC. BLOCK WALL DETAIL
SCALE: 1:5



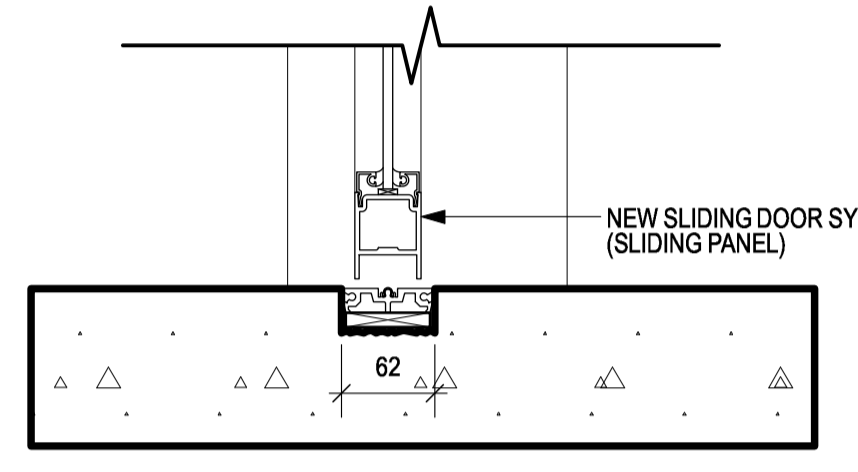
2 FIXED PANEL HEAD DETAIL
SCALE: 1:5



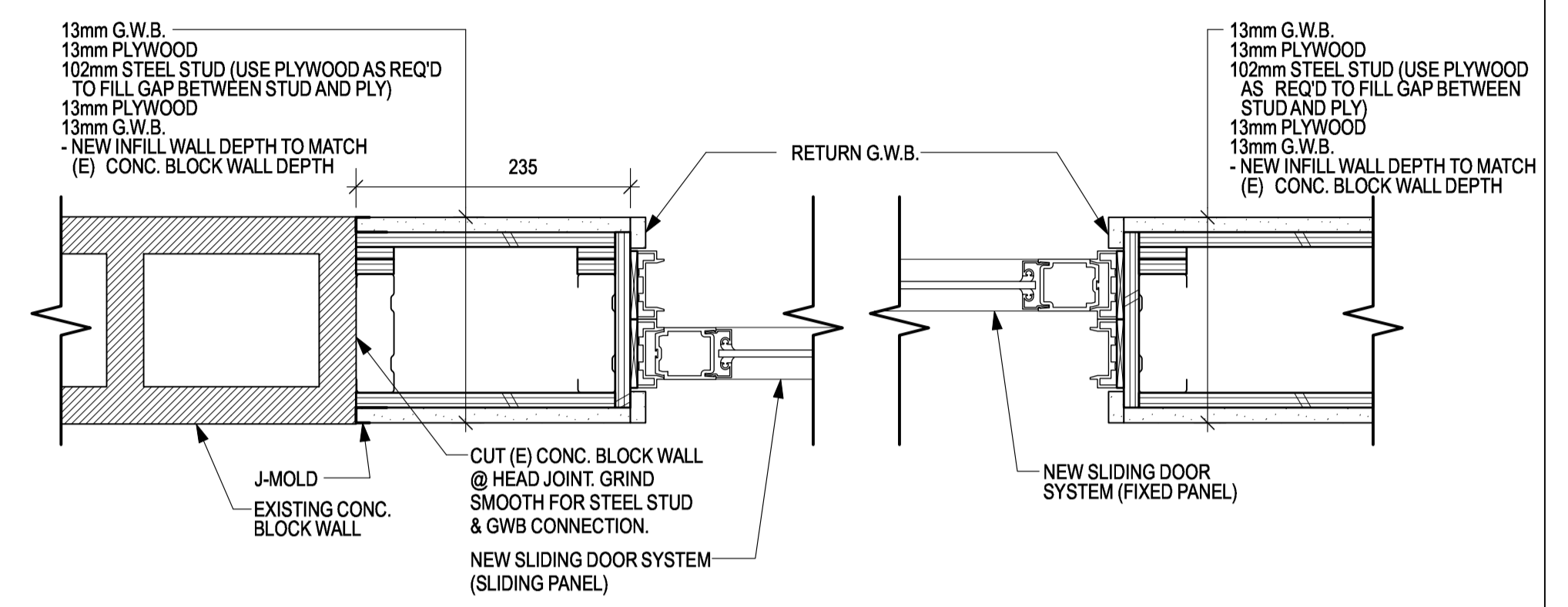
4 SLIDING PANEL HEAD DETAIL
SCALE: 1:5



3 FIXED PANEL SILL DETAIL
SCALE: 1:5

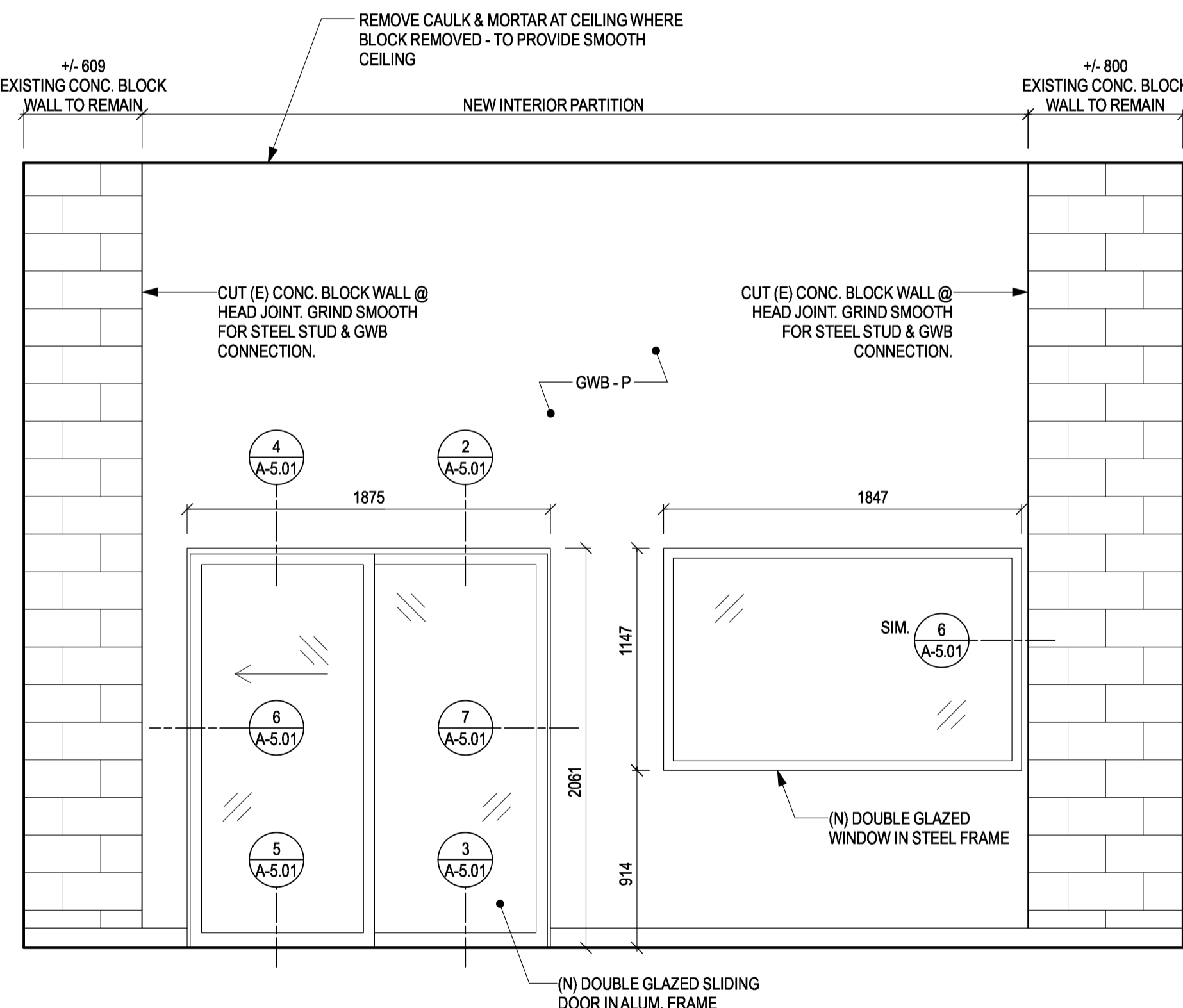
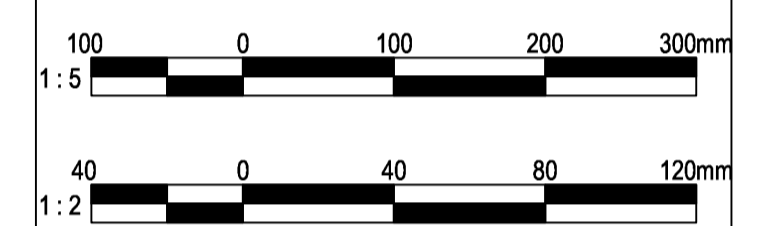


5 SLIDING PANEL SILL DETAIL
SCALE: 1:5



6 SLIDING PANEL JAMB DETAIL
SCALE: 1:5

7 FIXED PANEL JAMB DETAIL
SCALE: 1:5



8 INTERIOR ELEVATION
SCALE: 1:50

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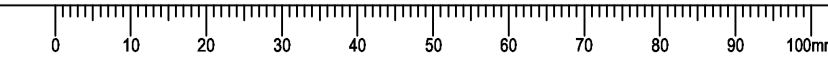
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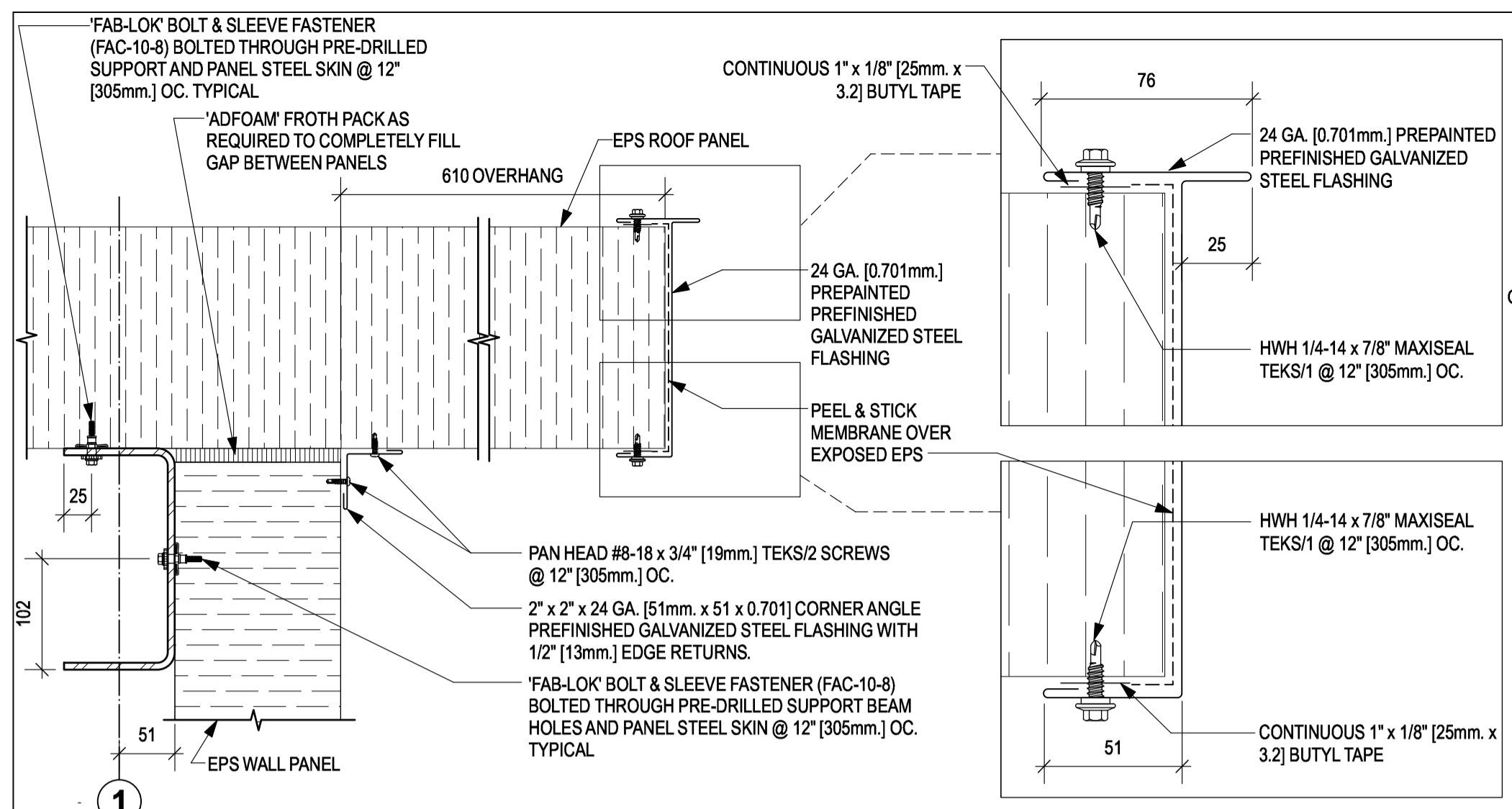
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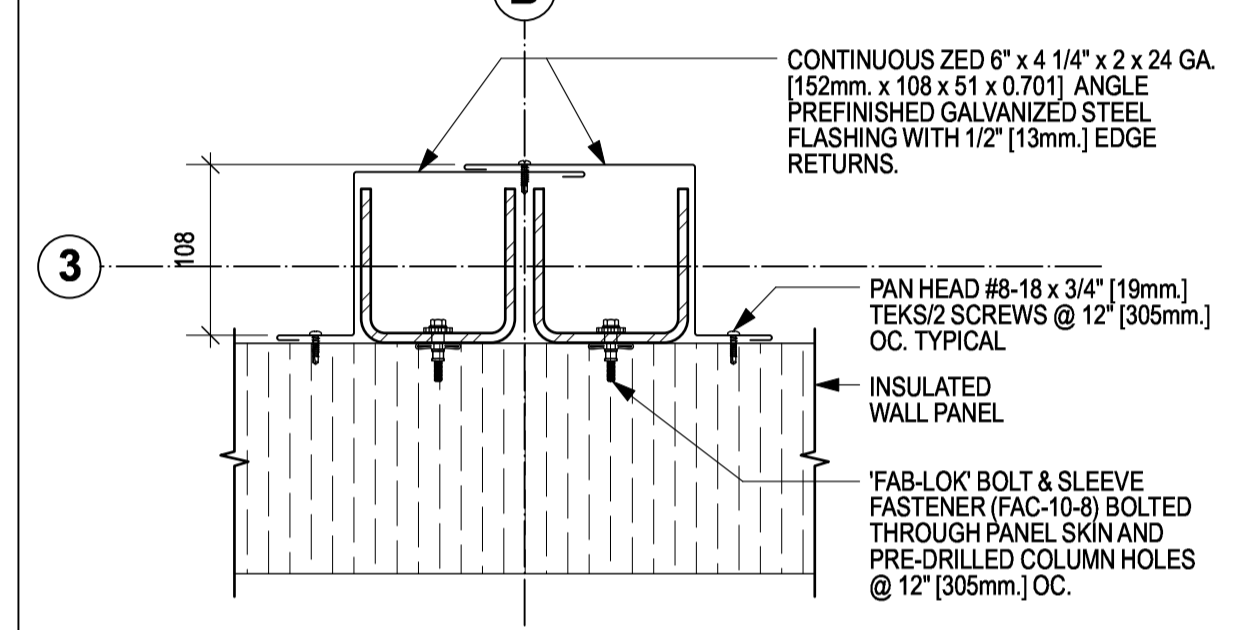
**LAB 129A, 129C, 131
DETAILS**

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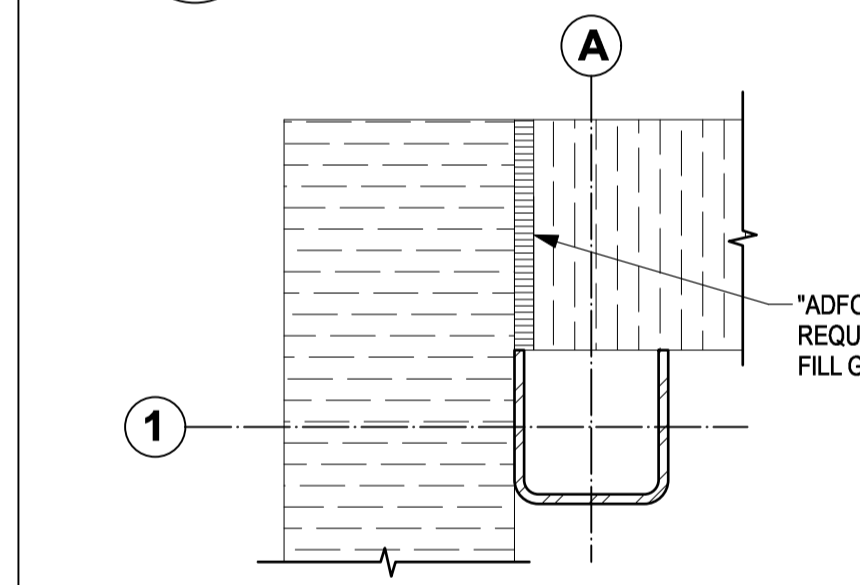


1 TYPICAL ROOF GABLE DETAIL
SCALE: 1:5

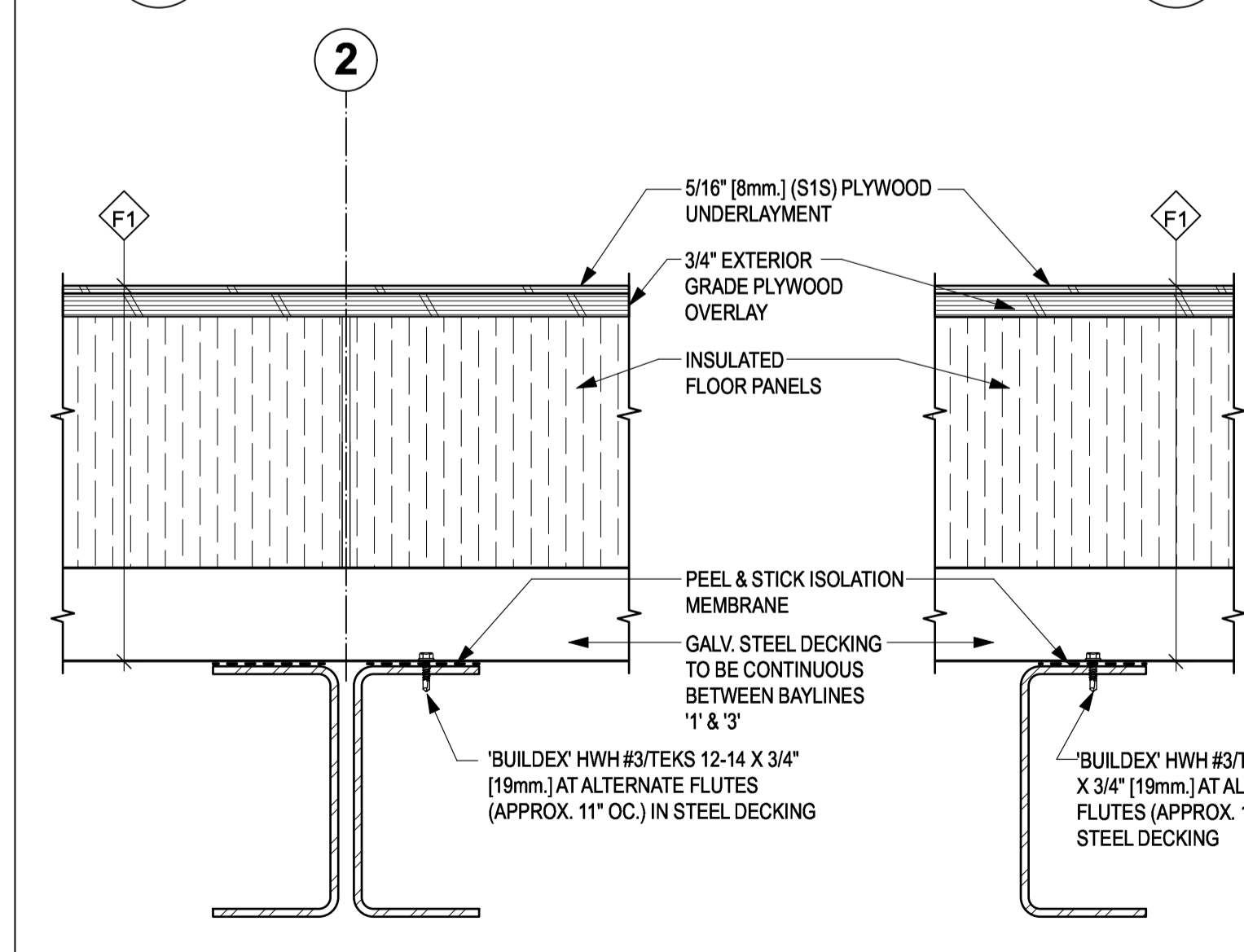


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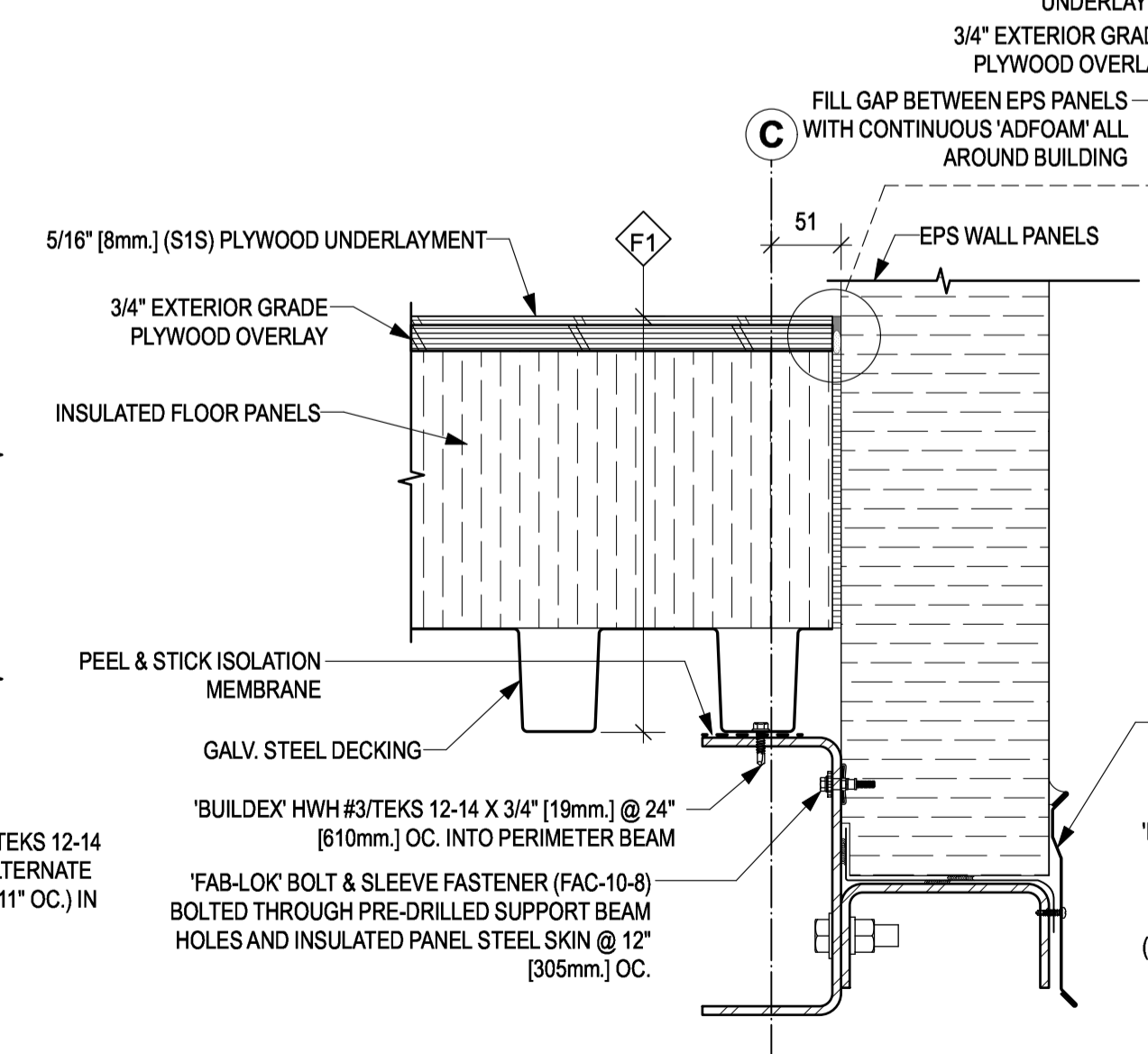
5 PLAN DETAIL
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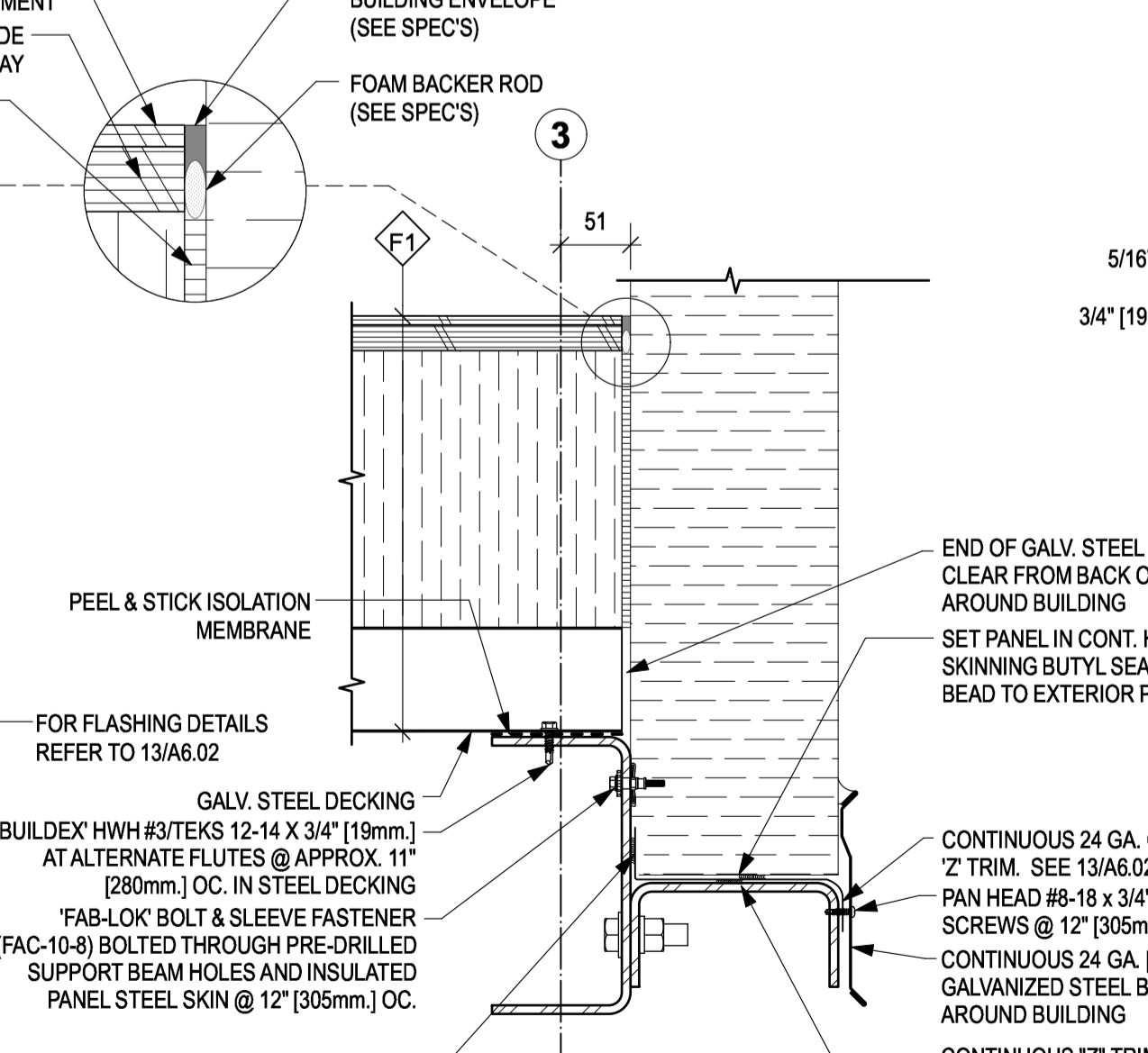
6 PLAN DETAIL
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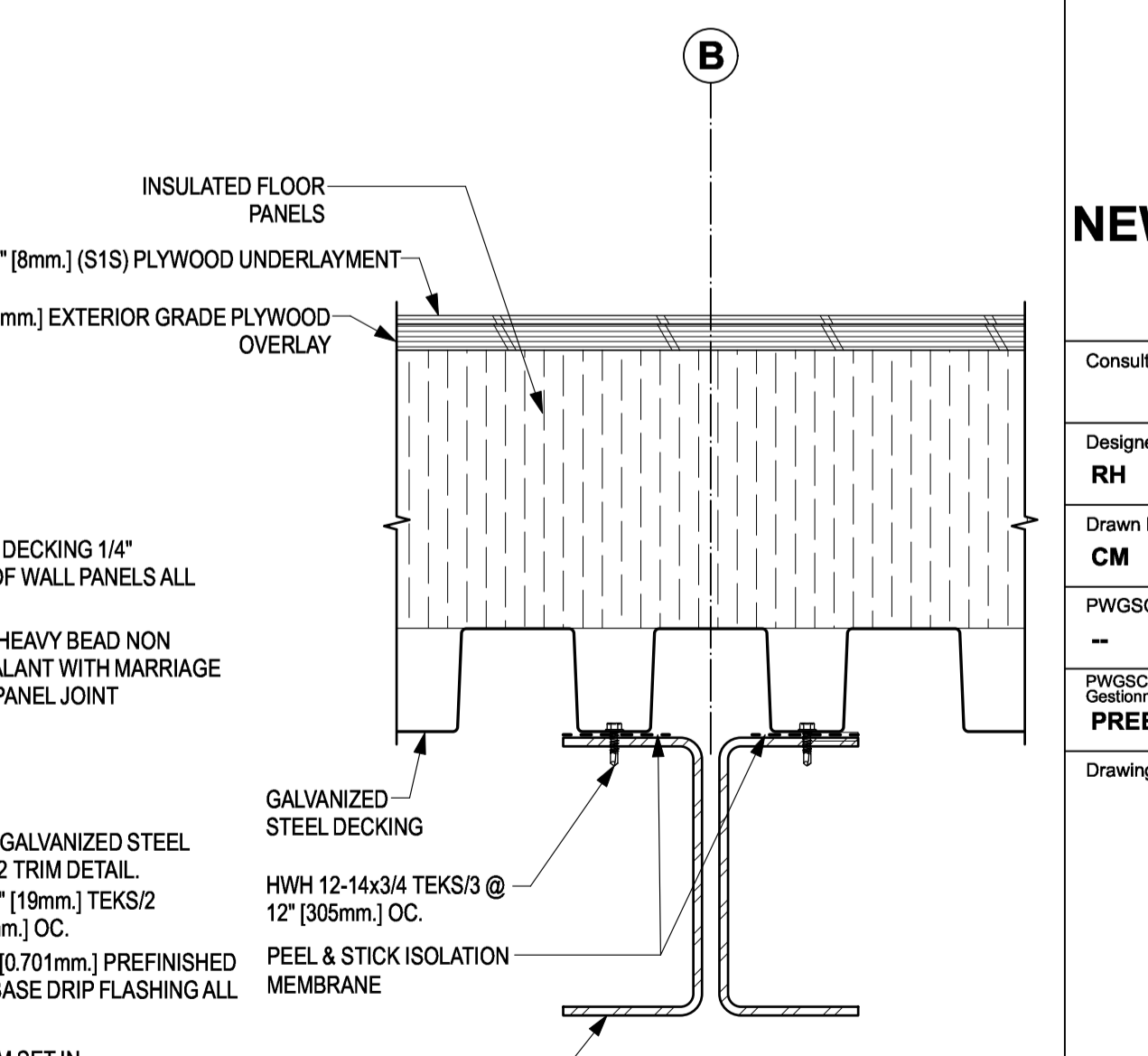
11 SECTION DETAIL
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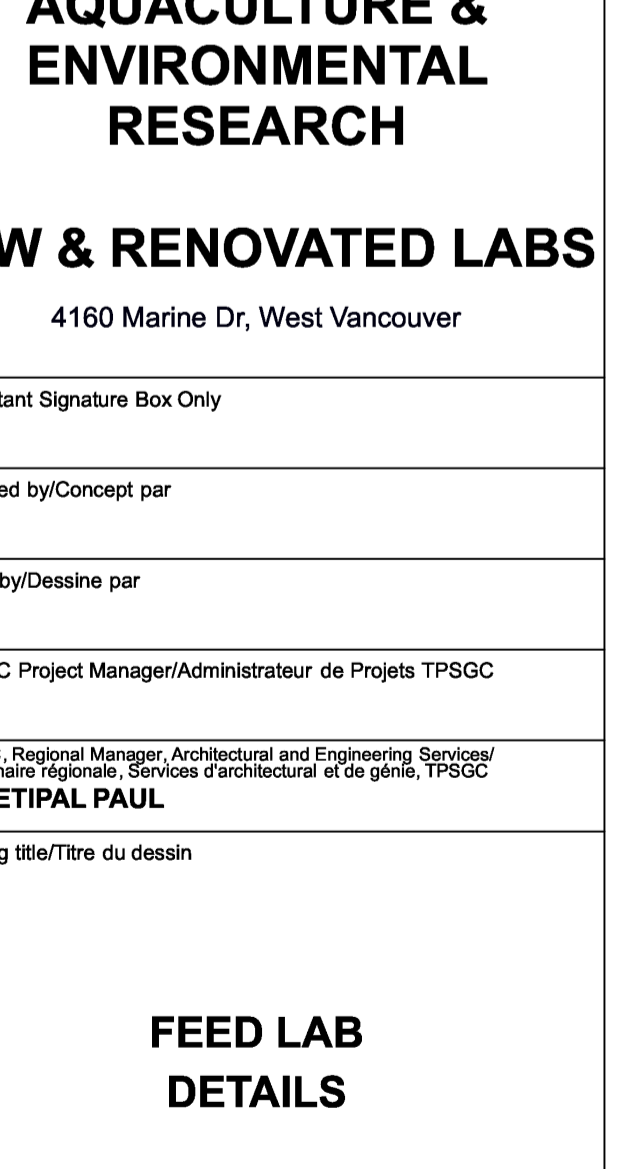
12 SECTION DETAIL
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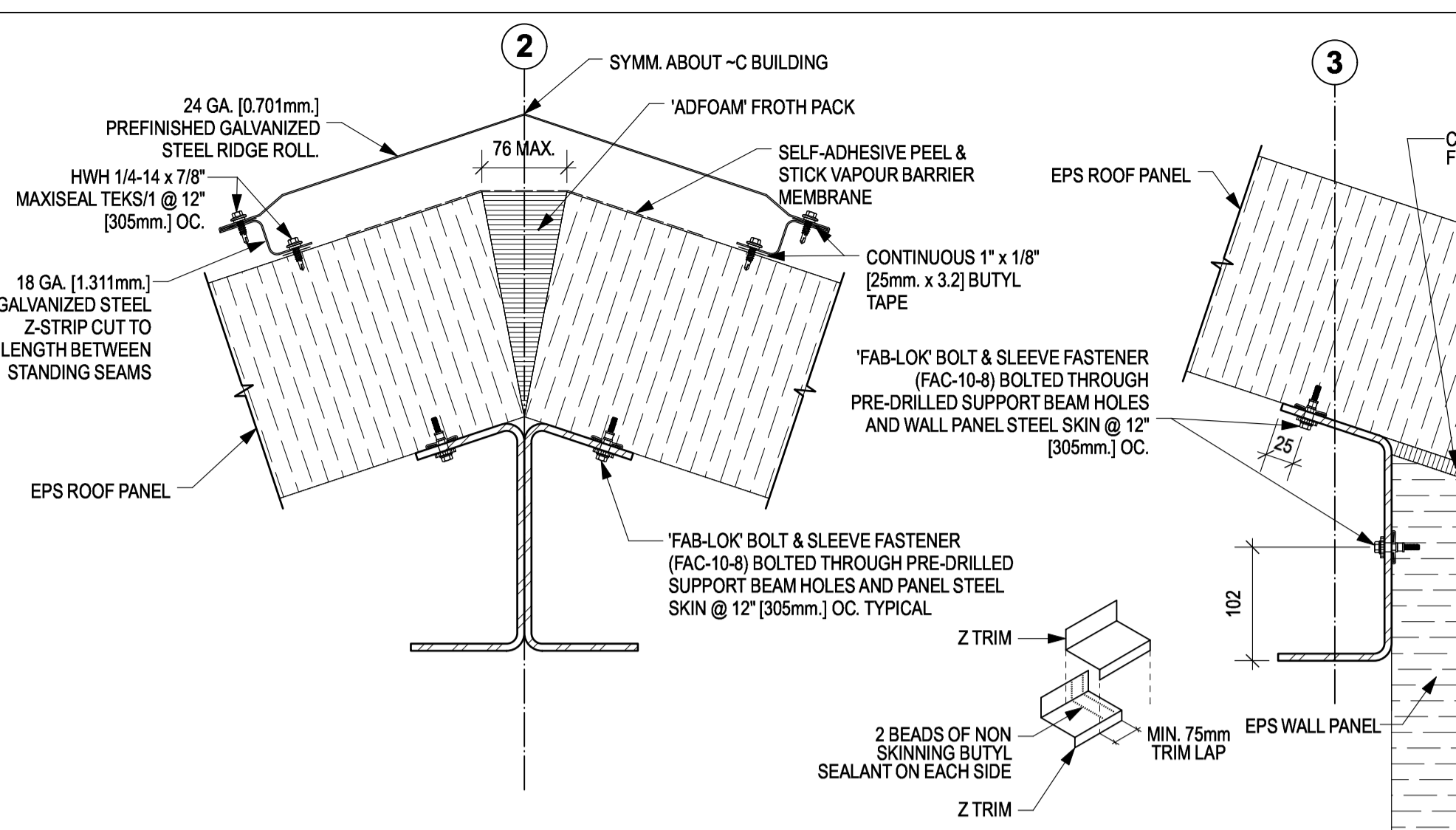
13 SECTION DETAIL
SCALE: 1:5



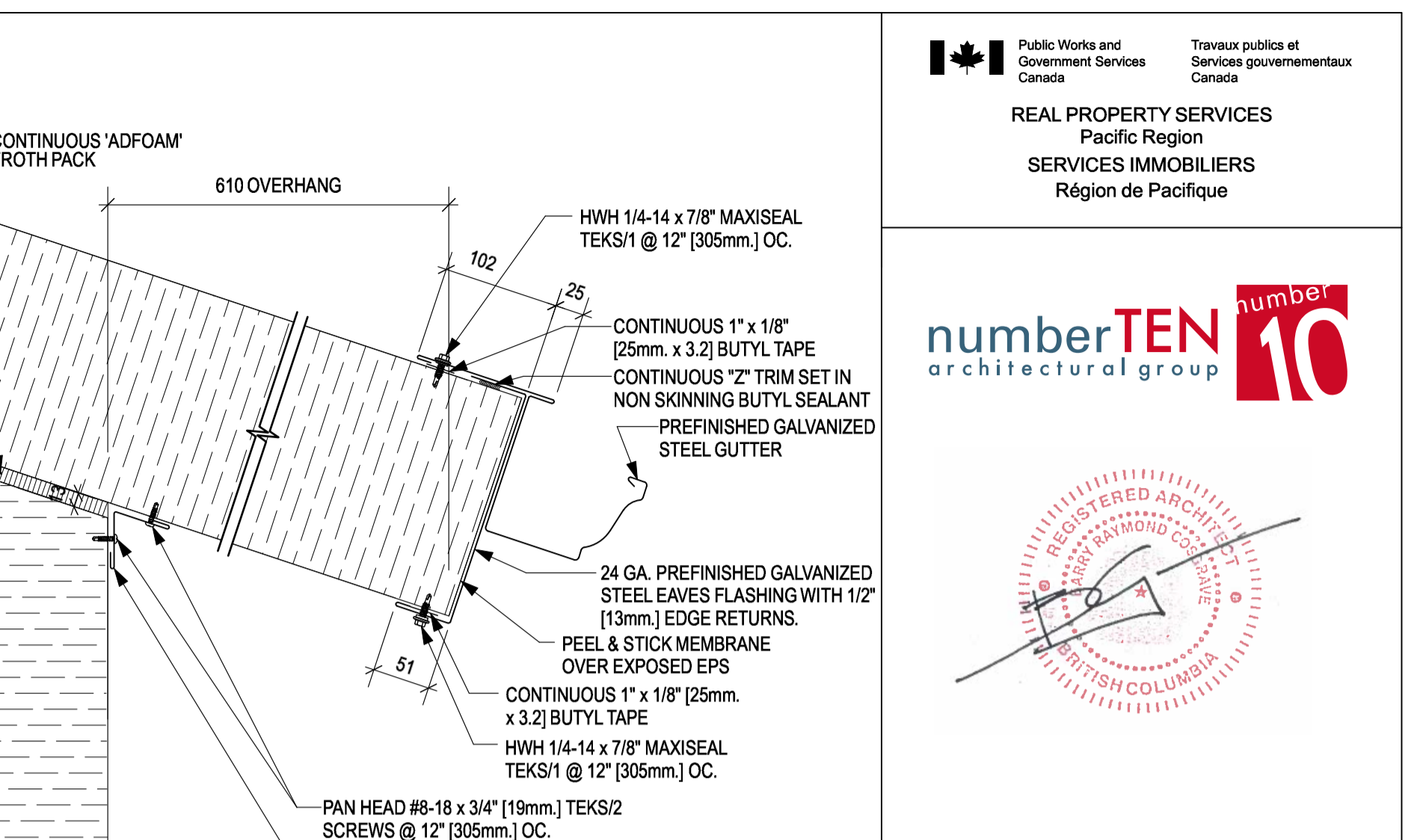
14 SECTION DETAIL
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15 SECTION DETAIL
SCALE: 1:5

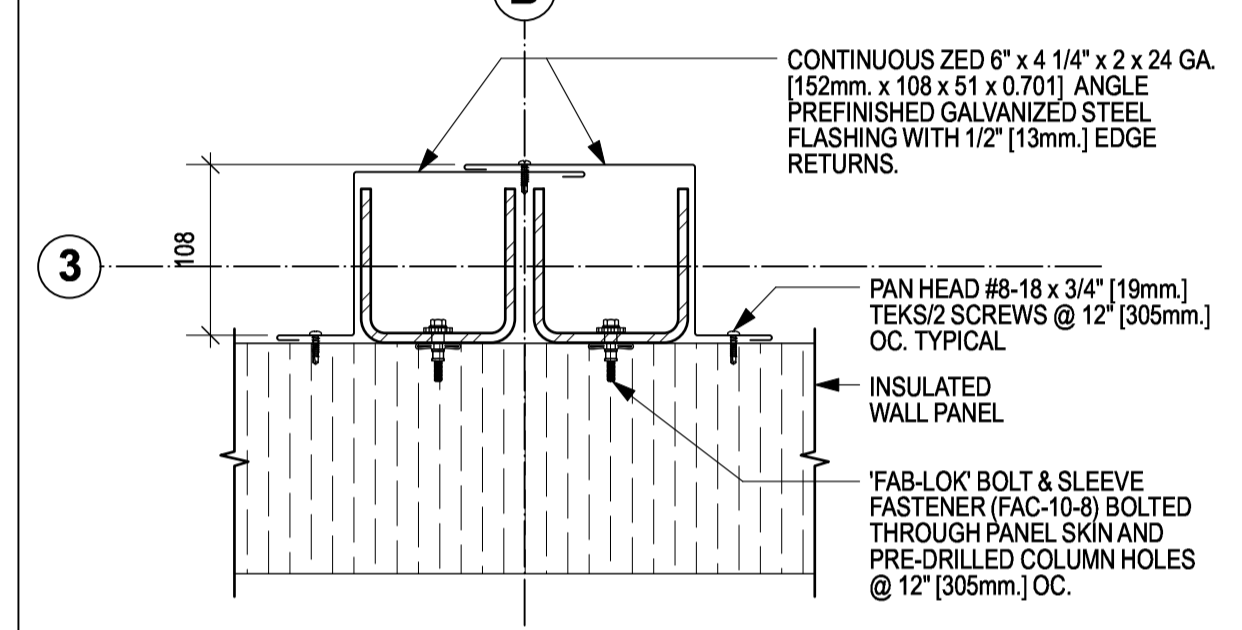


2 RIDGE DETAIL
SCALE: 1:5



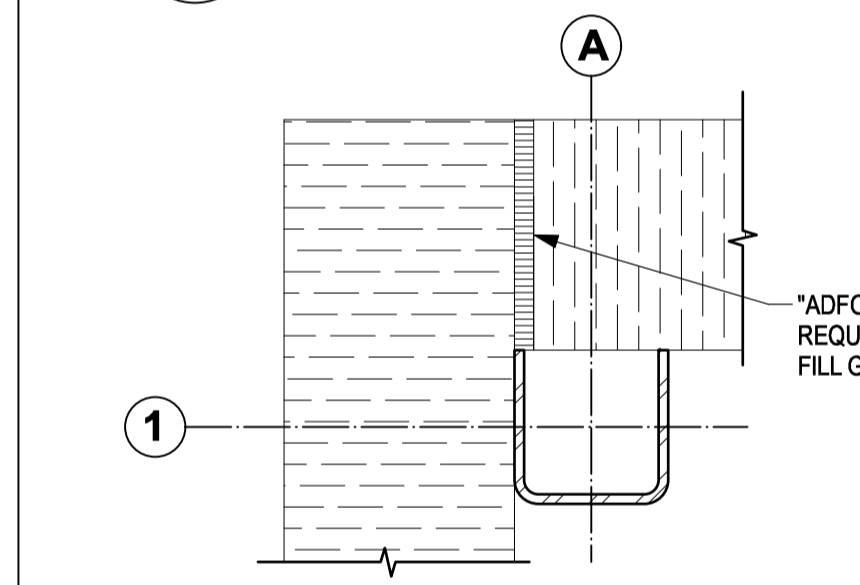
3 LAP TRIM DETAIL
SCALE: N.TS.

4 EAVE DETAIL
SCALE: 1:5

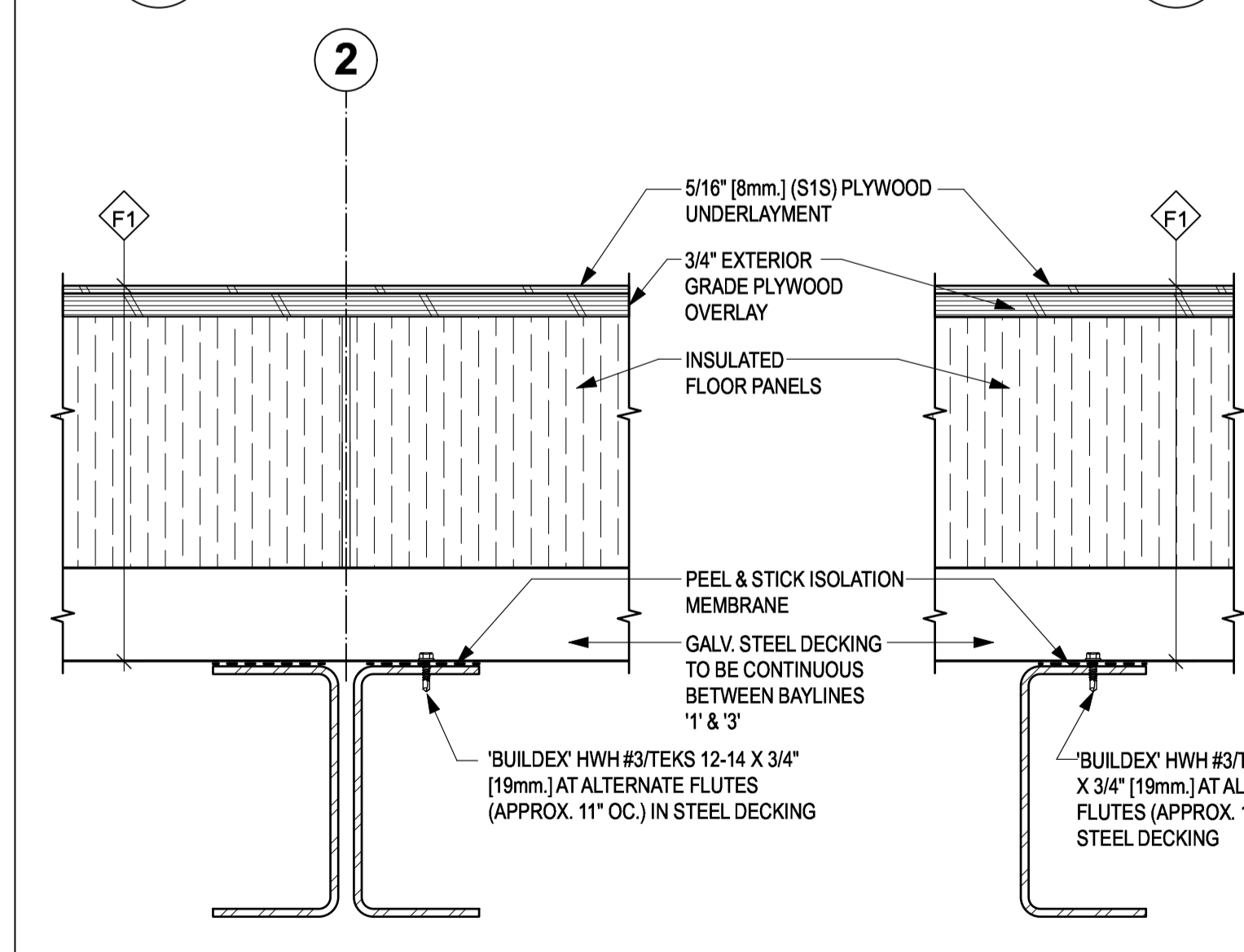


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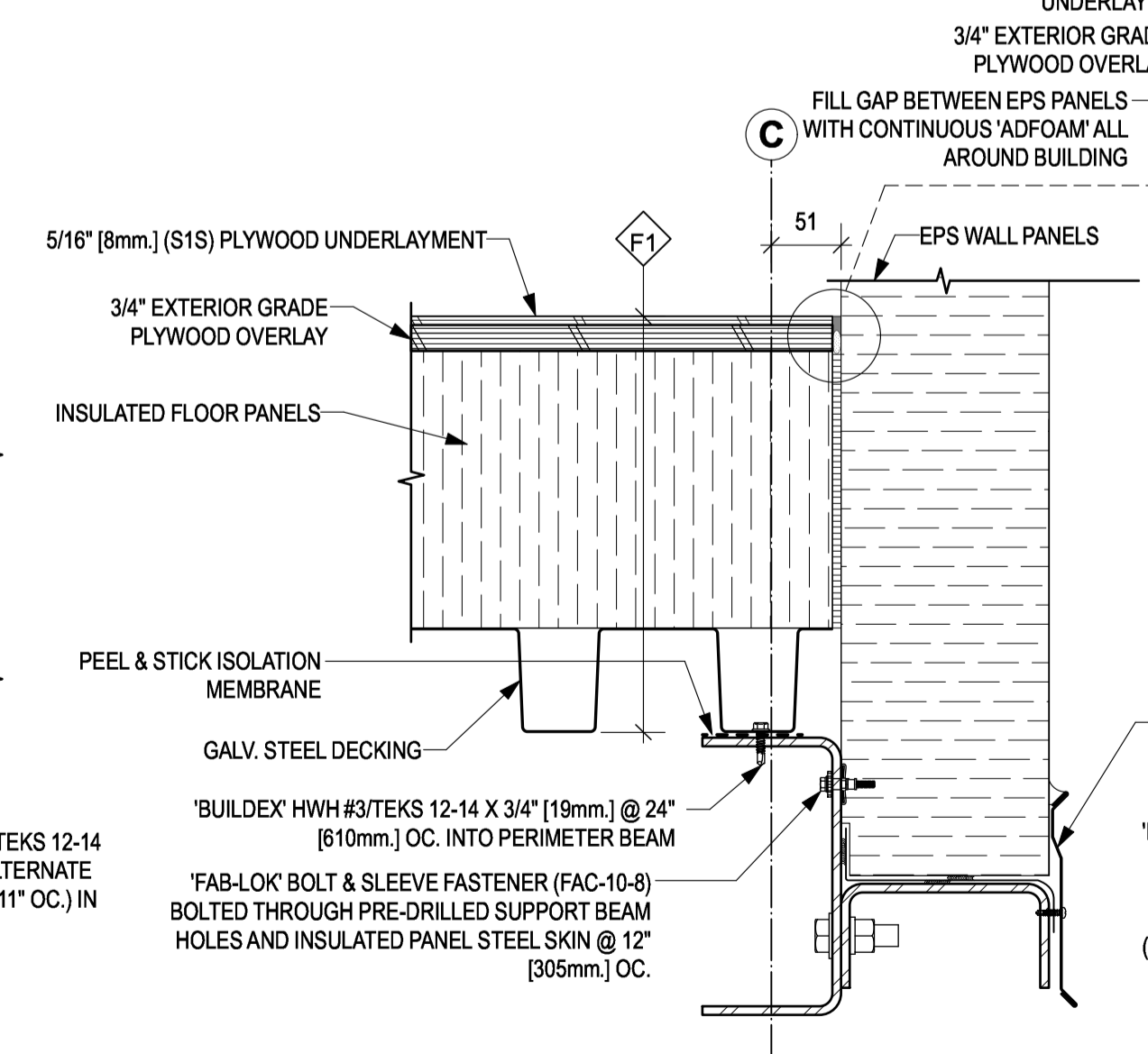
5 PLAN DETAIL
SCALE: 1:5



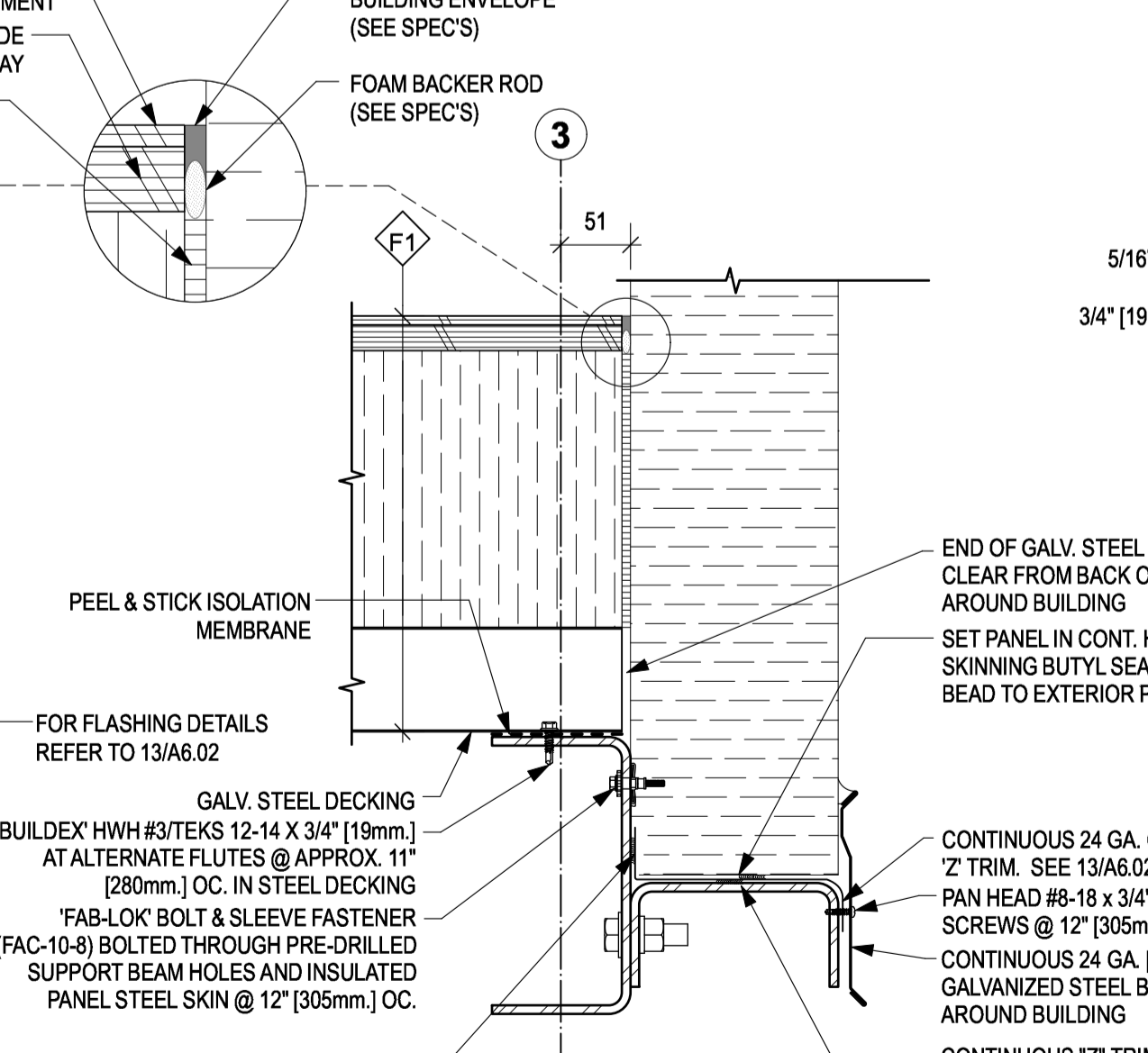
6 PLAN DETAIL
SCALE: 1:5



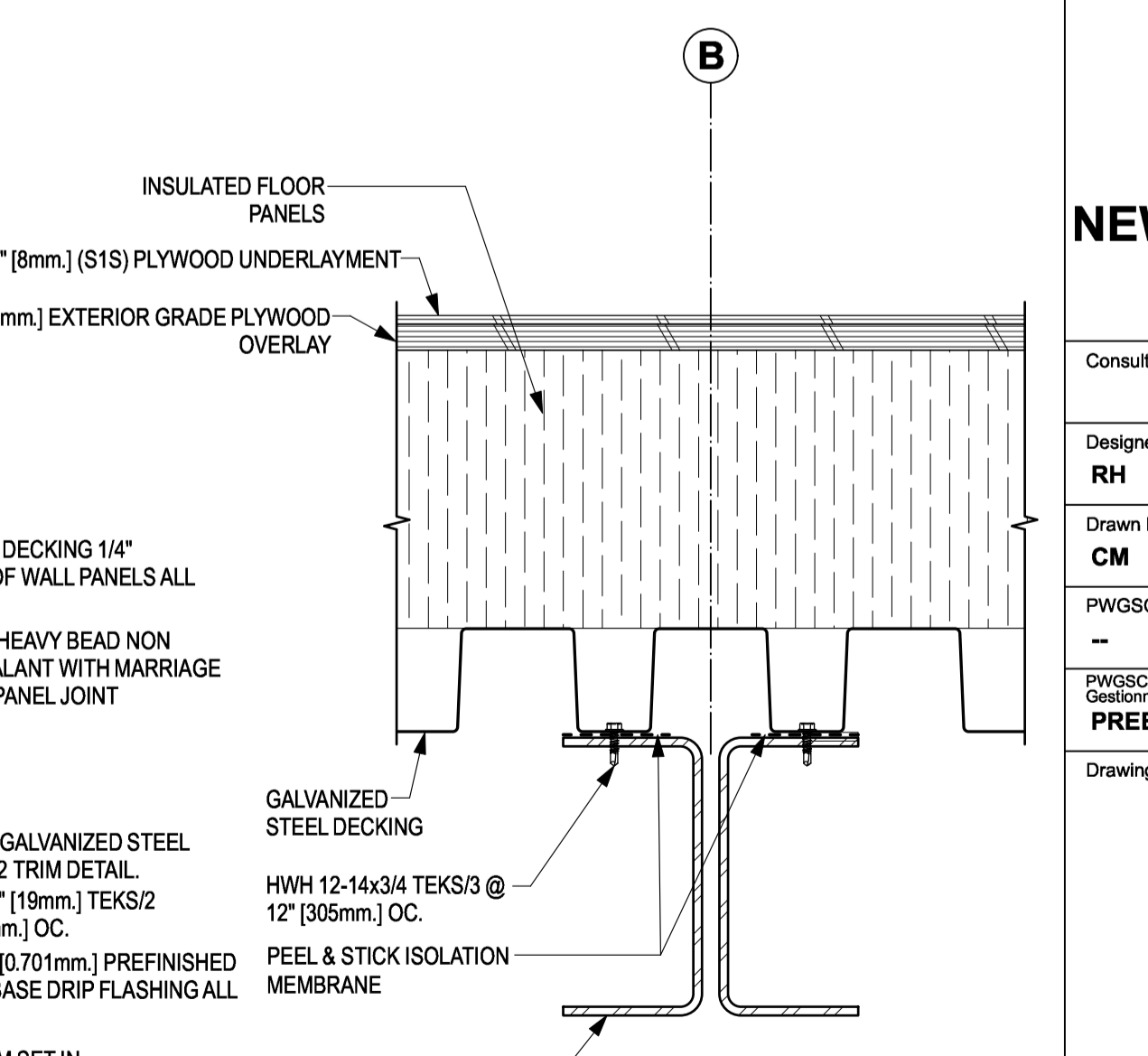
11 SECTION DETAIL
SCALE: 1:5



12 SECTION DETAIL
SCALE: 1:5



13 SECTION DETAIL
SCALE: 1:5



15 SECTION DETAIL
SCALE: 1:5

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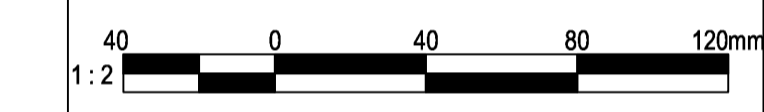
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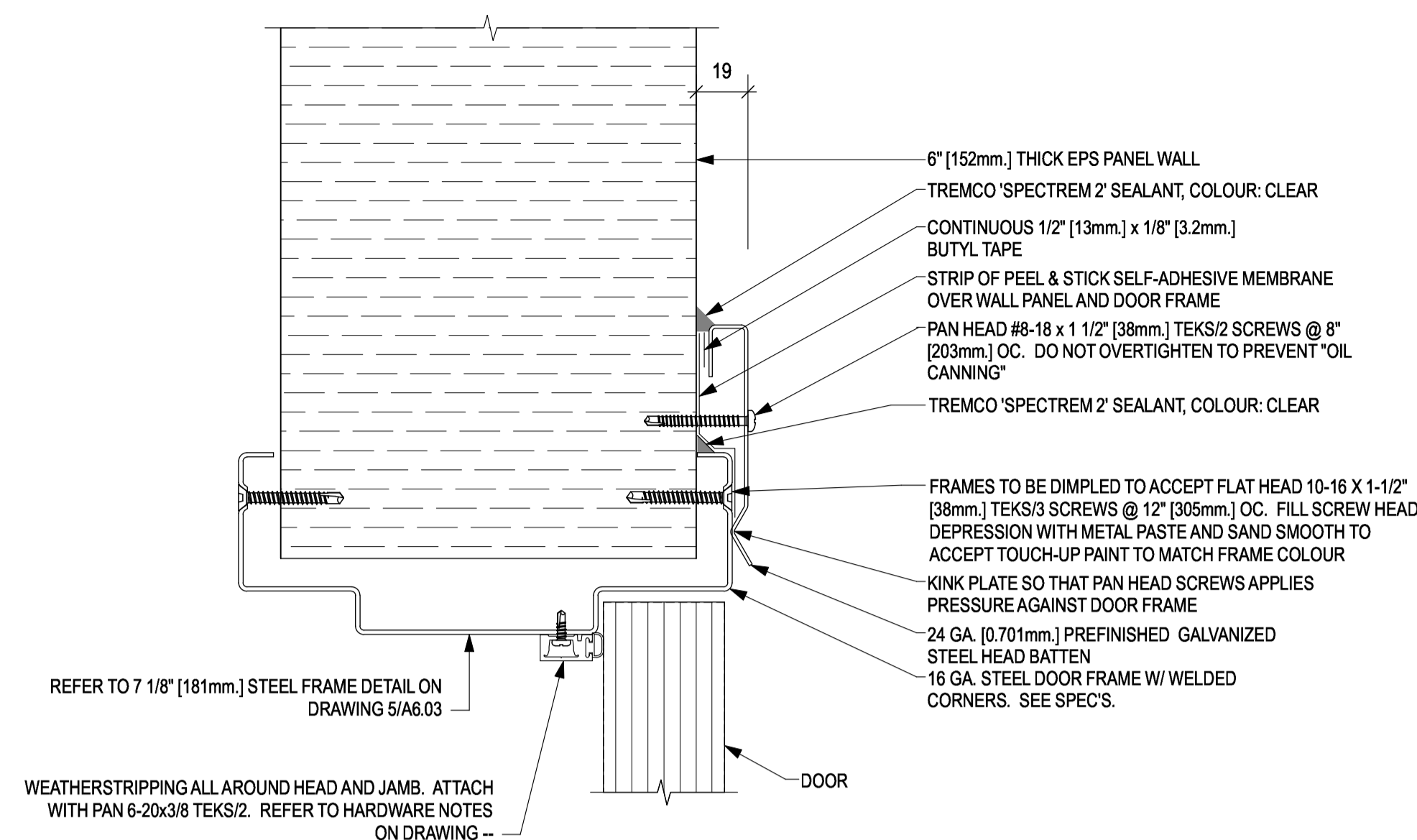
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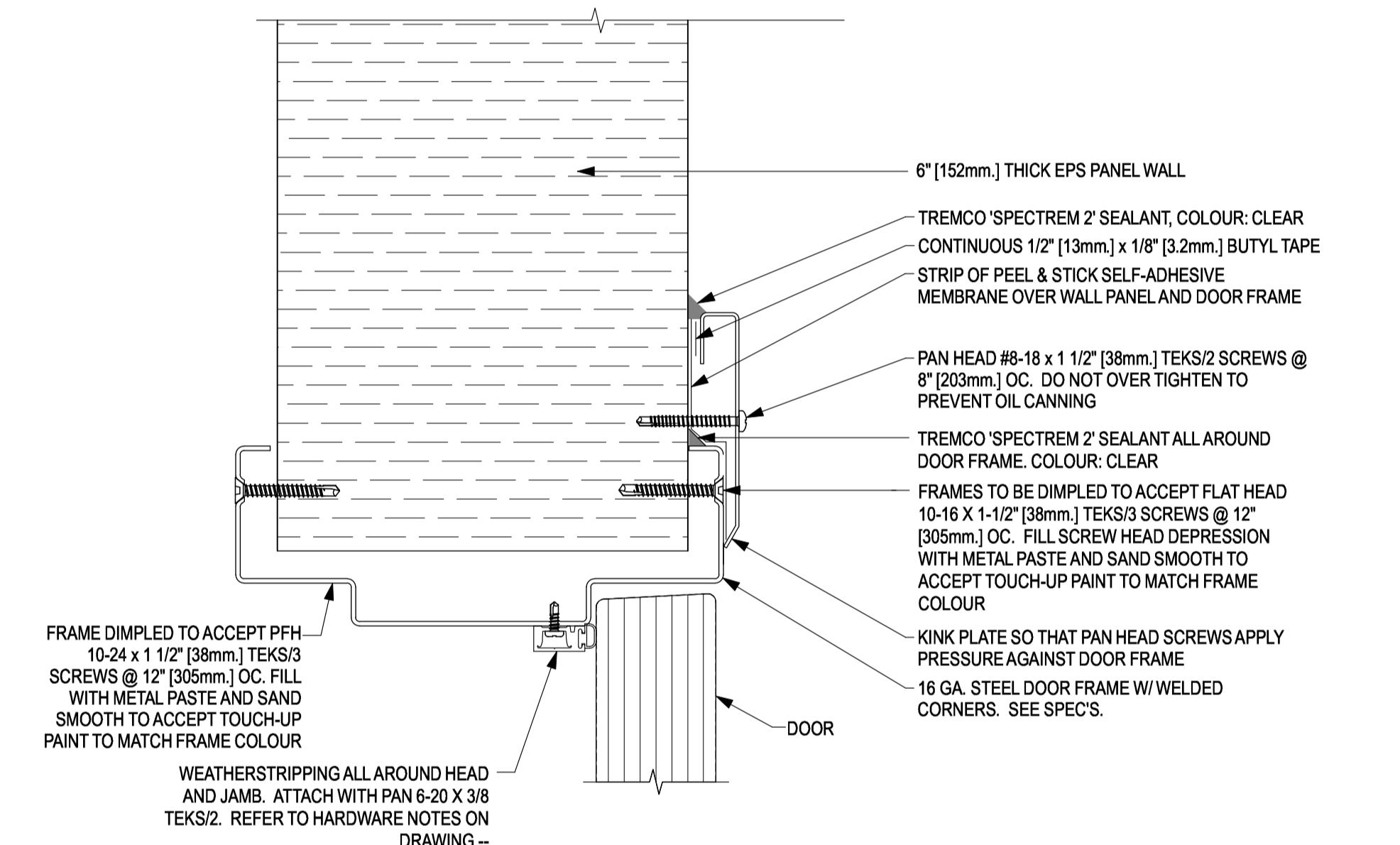
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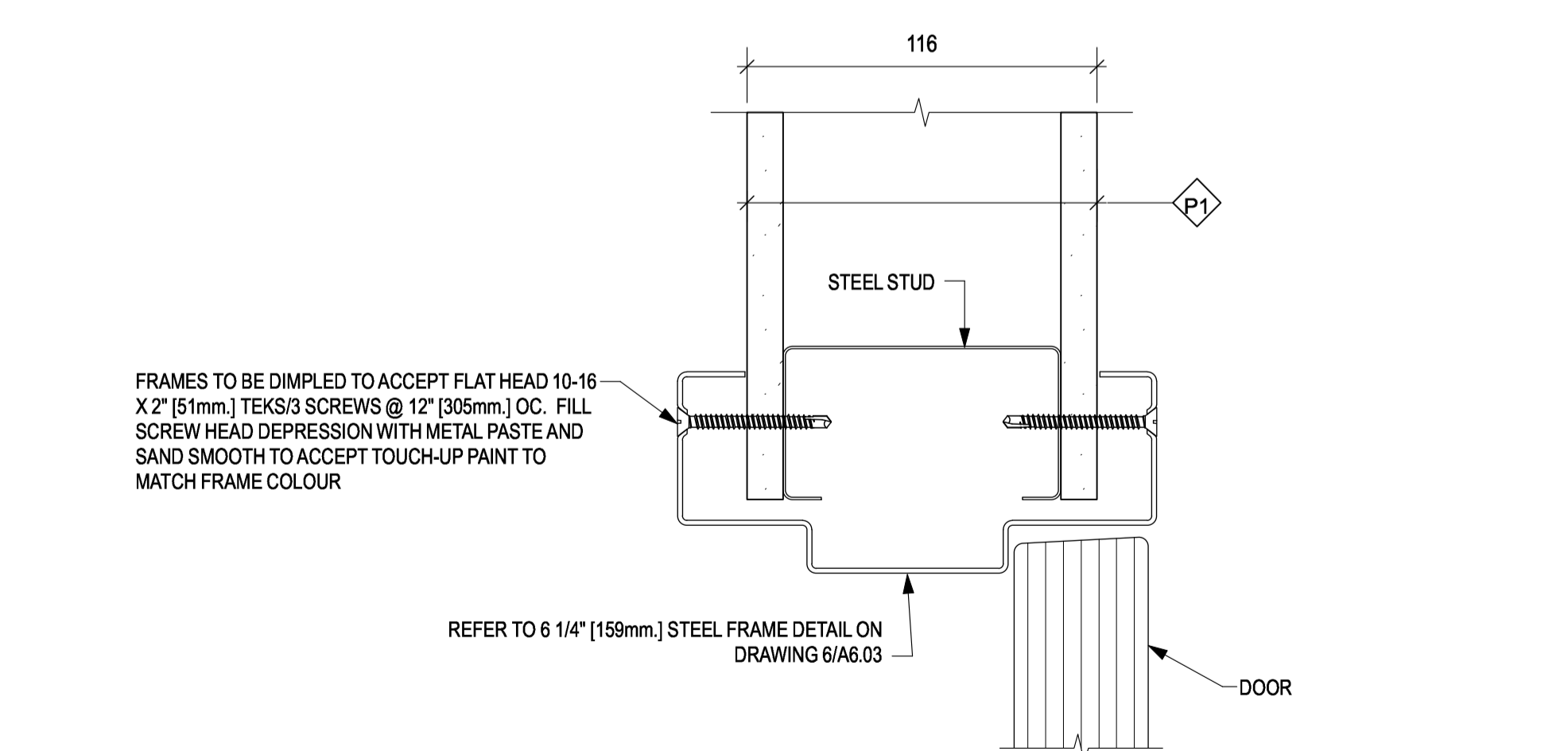
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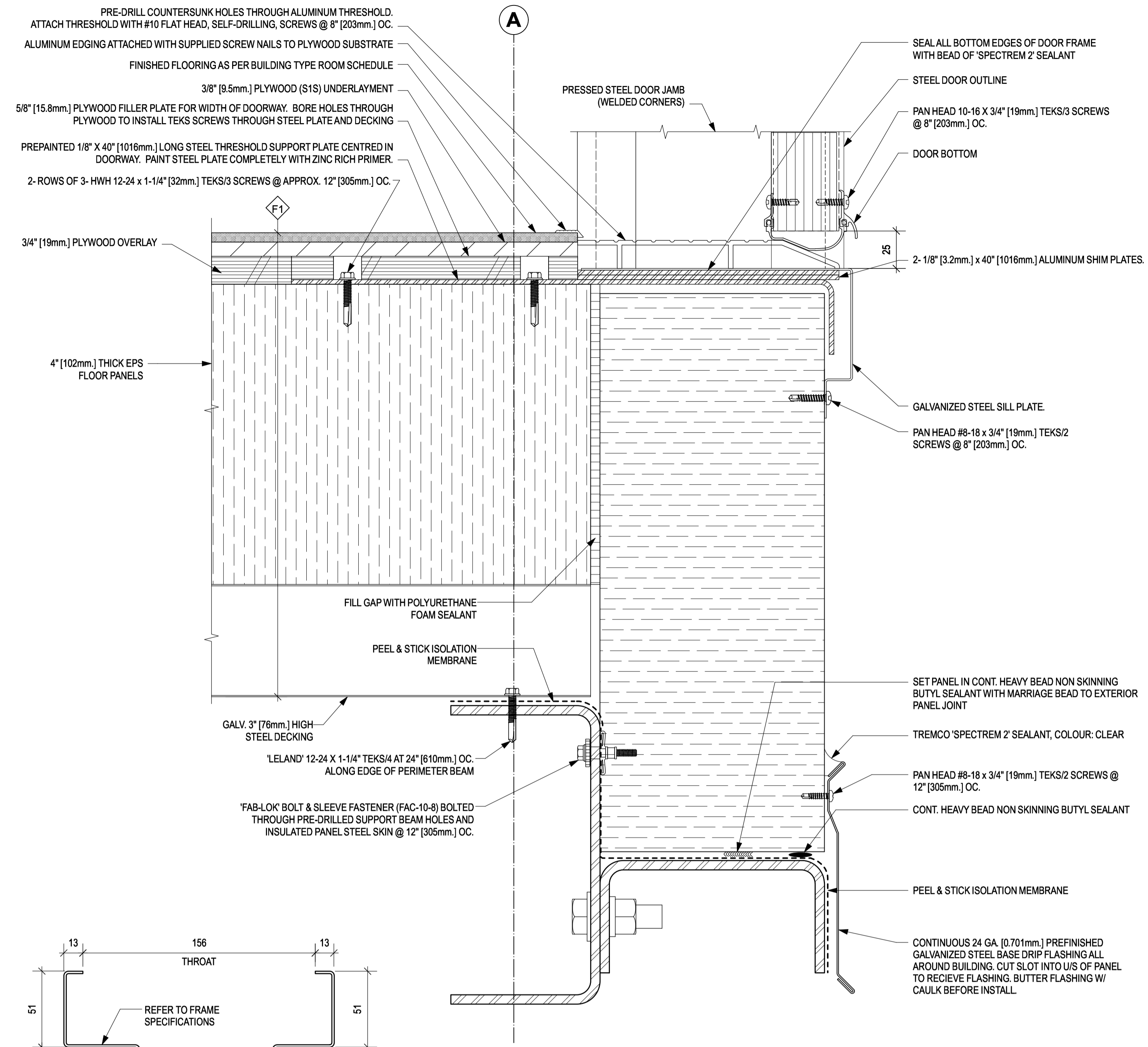
1 EXTERIOR DOOR HEAD DETAIL
SCALE: 1:2



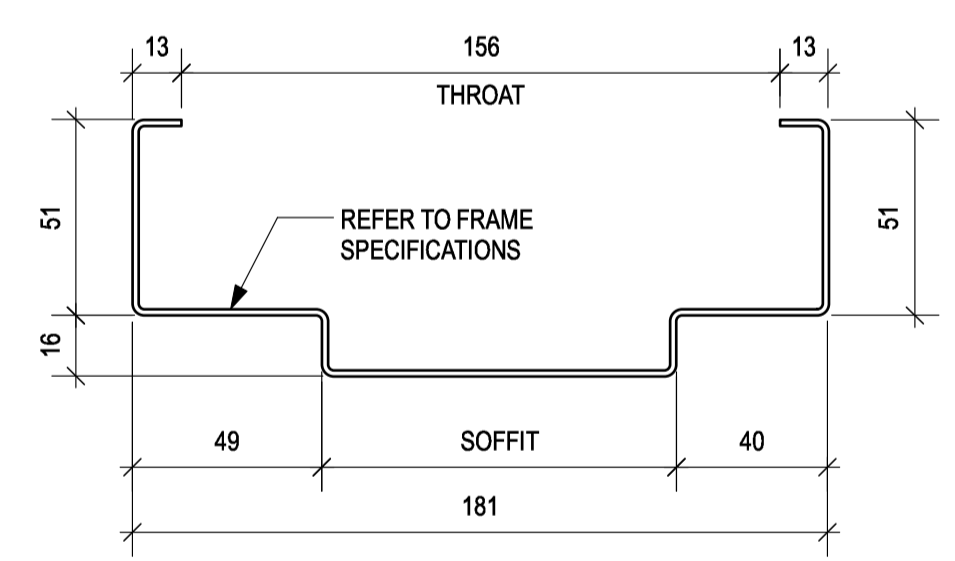
2 EXTERIOR DOOR JAMB DETAIL
SCALE: 1:2



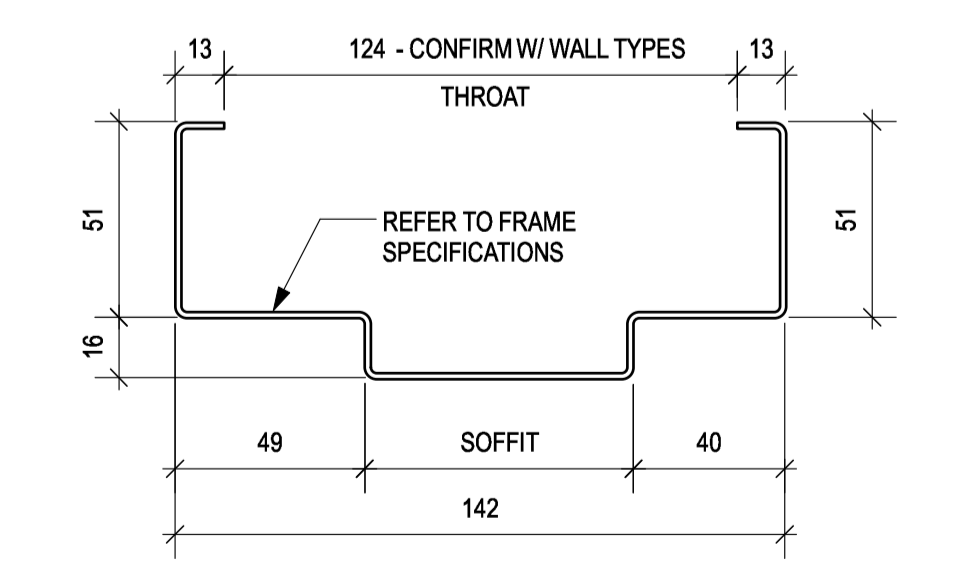
3 INTERIOR DOOR HEAD & JAMB DETAIL
SCALE: 1:2



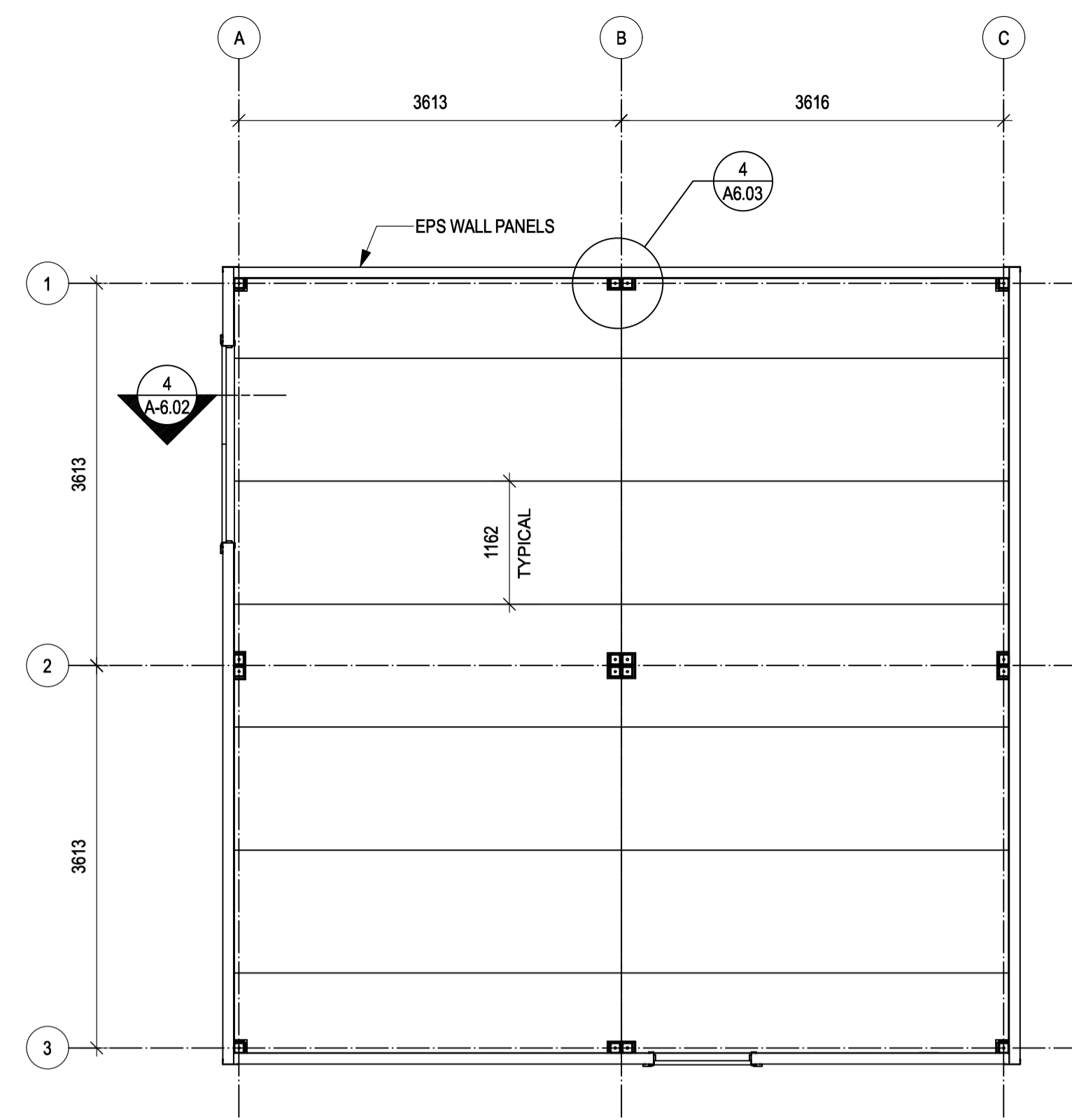
4 EXTERIOR DOOR THRESHOLD DETAIL
SCALE: 1:2



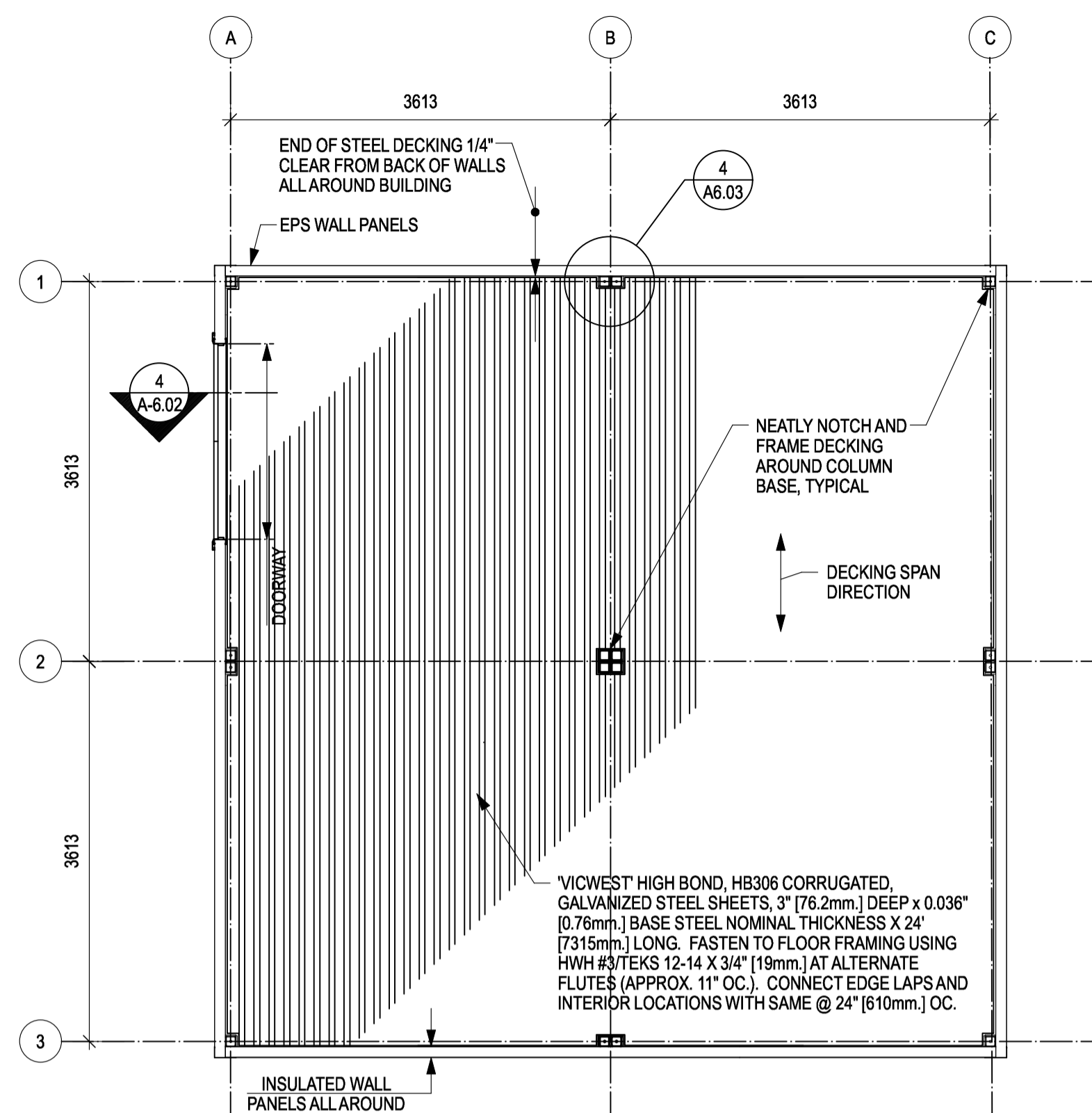
5 EXTERIOR DOOR FRAME
SCALE: 1:2



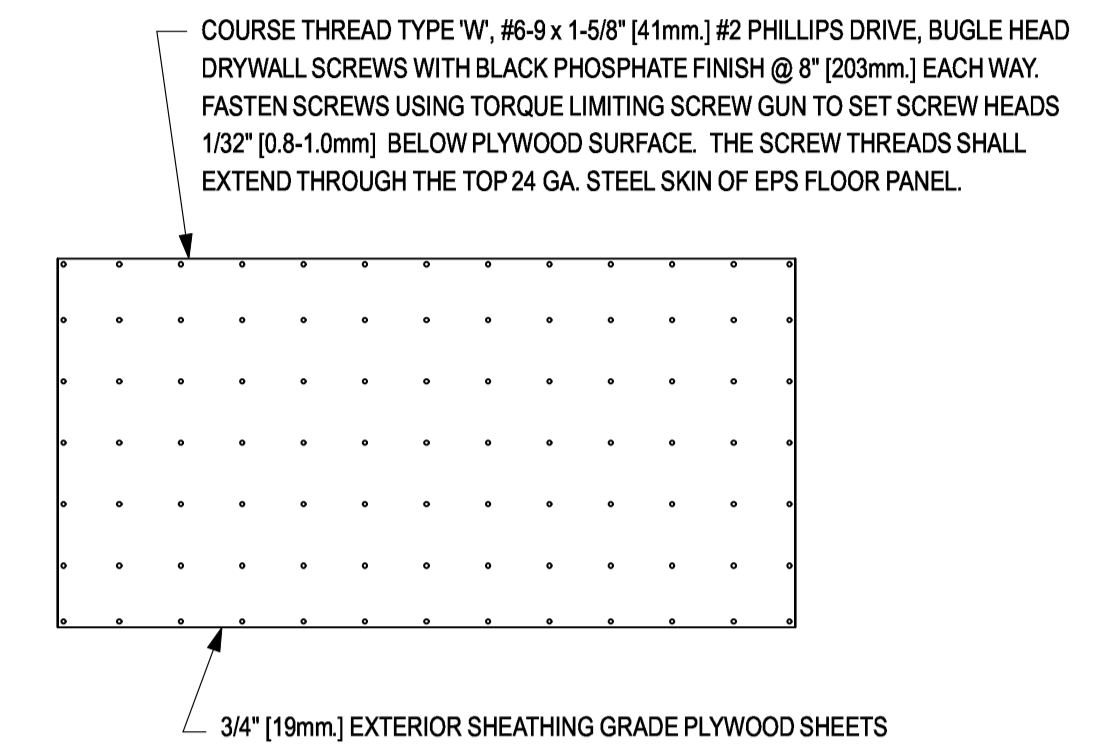
6 INTERIOR DOOR FRAME
SCALE: 1:2



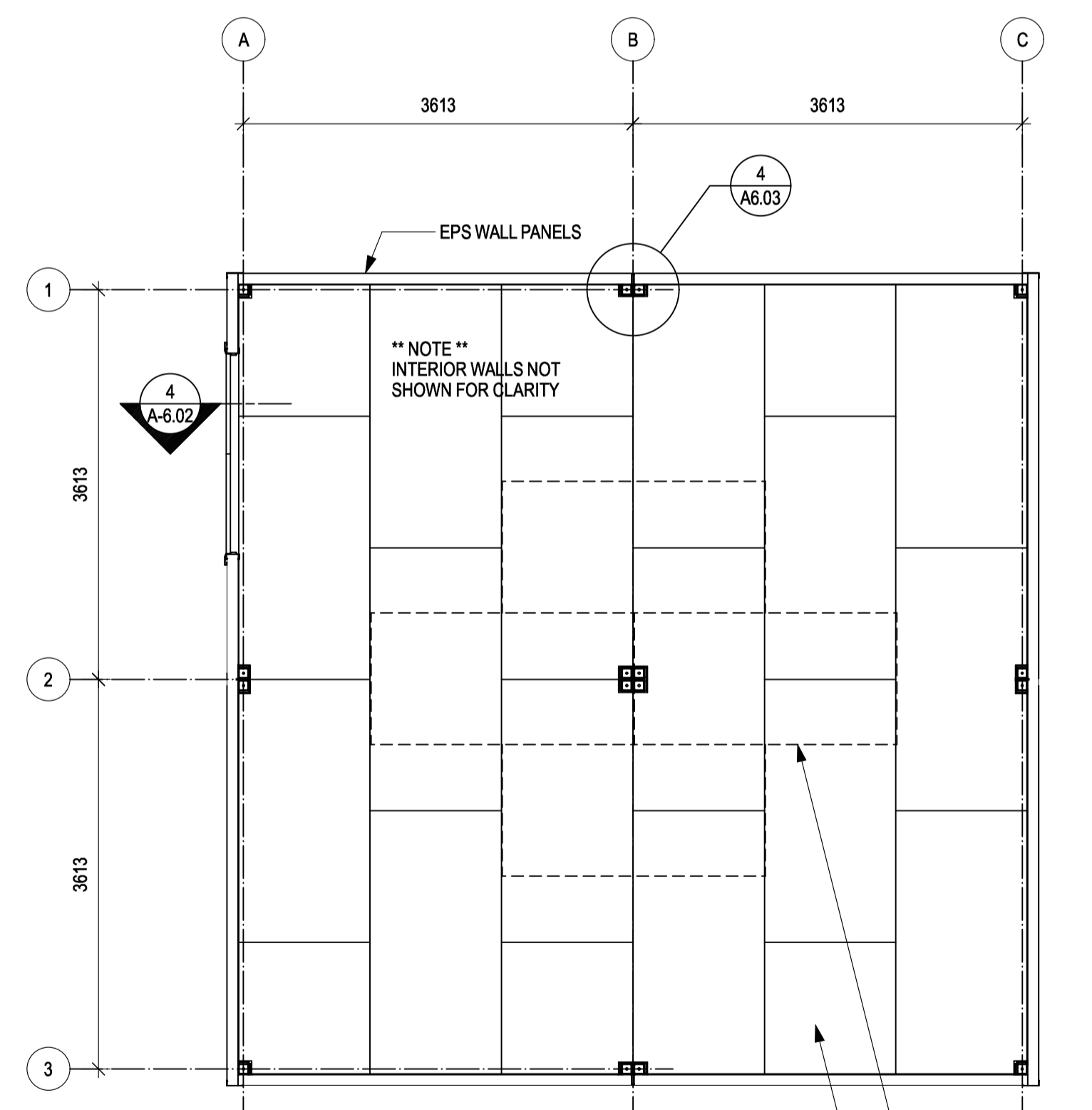
1 INSULATED PANEL FLOOR PLAN - TYPICAL LAYOUT
SCALE: 1:50
A6.03



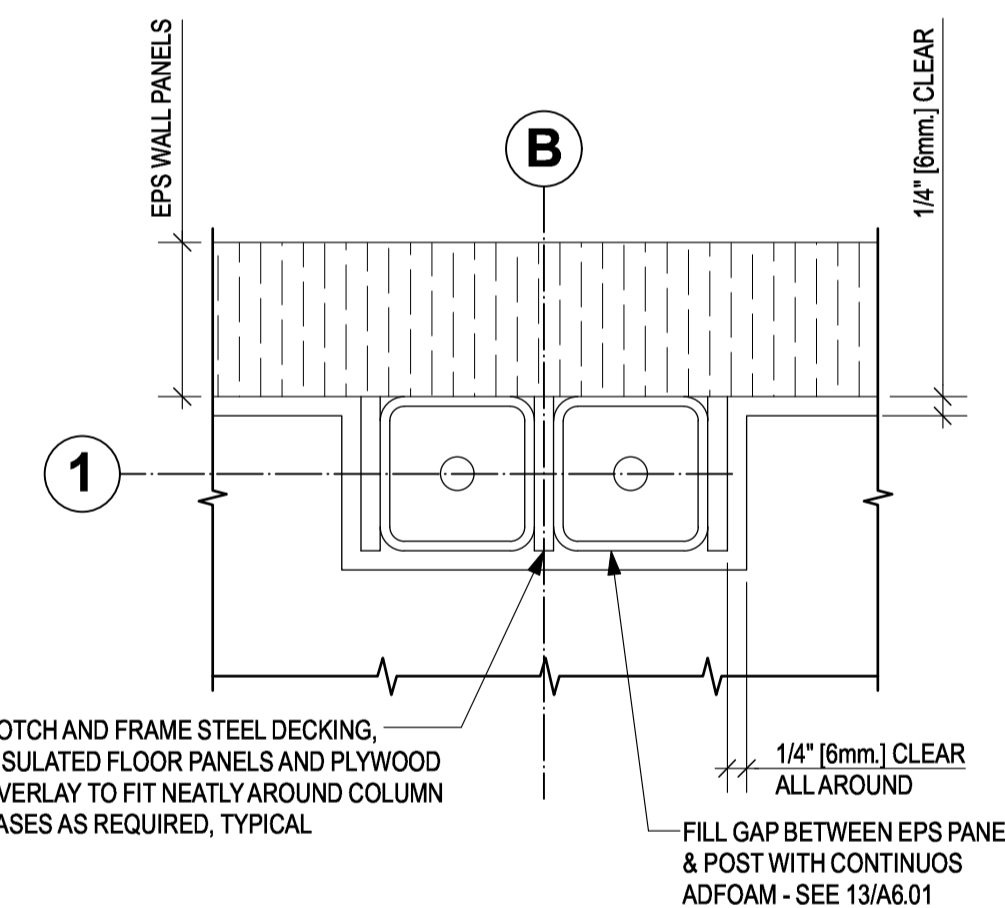
2 CORRUGATED STEEL DECKING PLAN
SCALE: 1:50
A6.03



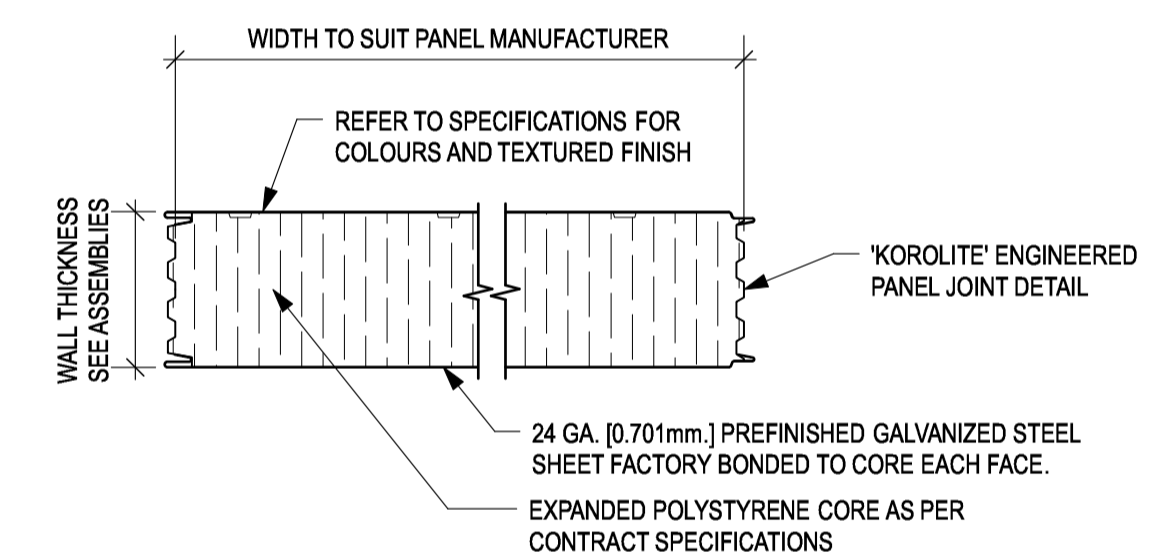
5 TYPICAL PLYWOOD PANEL FASTENING
SCALE: 1:25
A6.03



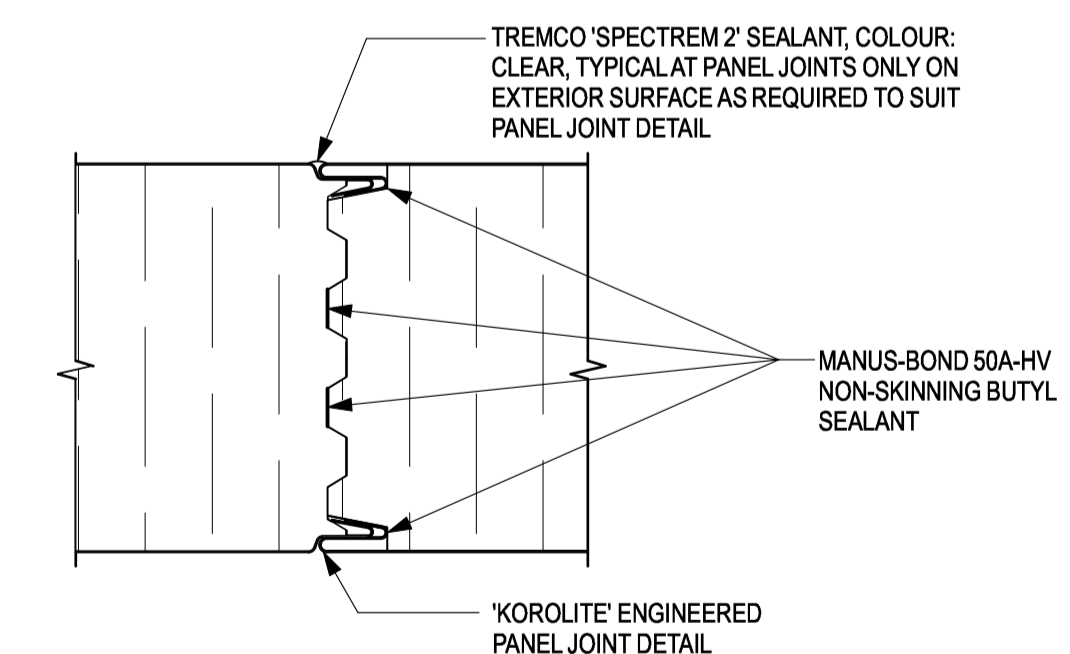
3 PLYWOOD OVERLAY PLAN
SCALE: 1:50
A6.03



4 DETAIL
SCALE: 1:5
A6.03



6 TYPICAL INSULATED EXTERIOR AND INTERIOR WALL PANEL
SCALE: 1:5
A6.03



7 WALL PANEL JOINT DETAIL
SCALE: 1:2
A6.03

3/4" [19mm] EXTERIOR SHEATHING GRADE, FIR OR SPRUCE PLYWOOD OVERLAY LAID DOWN IN STAGGERED PATTERN OVER EPS FLOOR PANELS. REFER TO TYPICAL PLYWOOD PANEL FASTENING DETAIL.

3/8" [9.5 mm.] (S1S) PLYWOOD UNDERLAYMENT (NOT ALL DASHED LINES SHOWN) STAPLED TO 3/4" [19 mm.] PLYWOOD OVERLAY (SANDED SIDE FACING UP) THROUGHOUT ENTIRE AREA. UNDERLAYMENT PANELS SHALL BE NAILED OR STAPLED ALONG PANEL EDGES EVERY 4" [100 mm.] AND EVERY 6" [150 mm.] EACH WAY FOR PANEL INTERIOR. USE 25 mm. RING GROOVED UNDERLAY FLOORING NAILS OR 28 mm. LONG STAPLES WITH 5 mm. CROWNS AND NOT LESS THAN 1/2 mm. SHANK DIAMETER. NAILING OR STAPLING SHOULD BEGIN AT ONE CORNER OF THE UNDERLAYMENT PANEL AND SHOULD PROGRESS DIAGONALLY ACROSS THE PANEL. THE LENGTHS OF UNDERLAYMENT PANELS SHALL BE LAID AT RIGHT ANGLES TO THE LENGTHS OF THE PLYWOOD OVERLAY. THE UNDERLAYMENT PANELS SHALL NOT BE INSTALLED UNTIL THE PLYWOOD OVERLAY HAS DRIED TO THE APPROXIMATE CONDITIONS THAT WILL EXIST IN THE STRUCTURE DURING OCCUPANCY. THE UNDERLAYMENT SHALL BE KEPT DRY WHILE IN STORAGE AND SHALL BE DRY DURING INSTALLATION.

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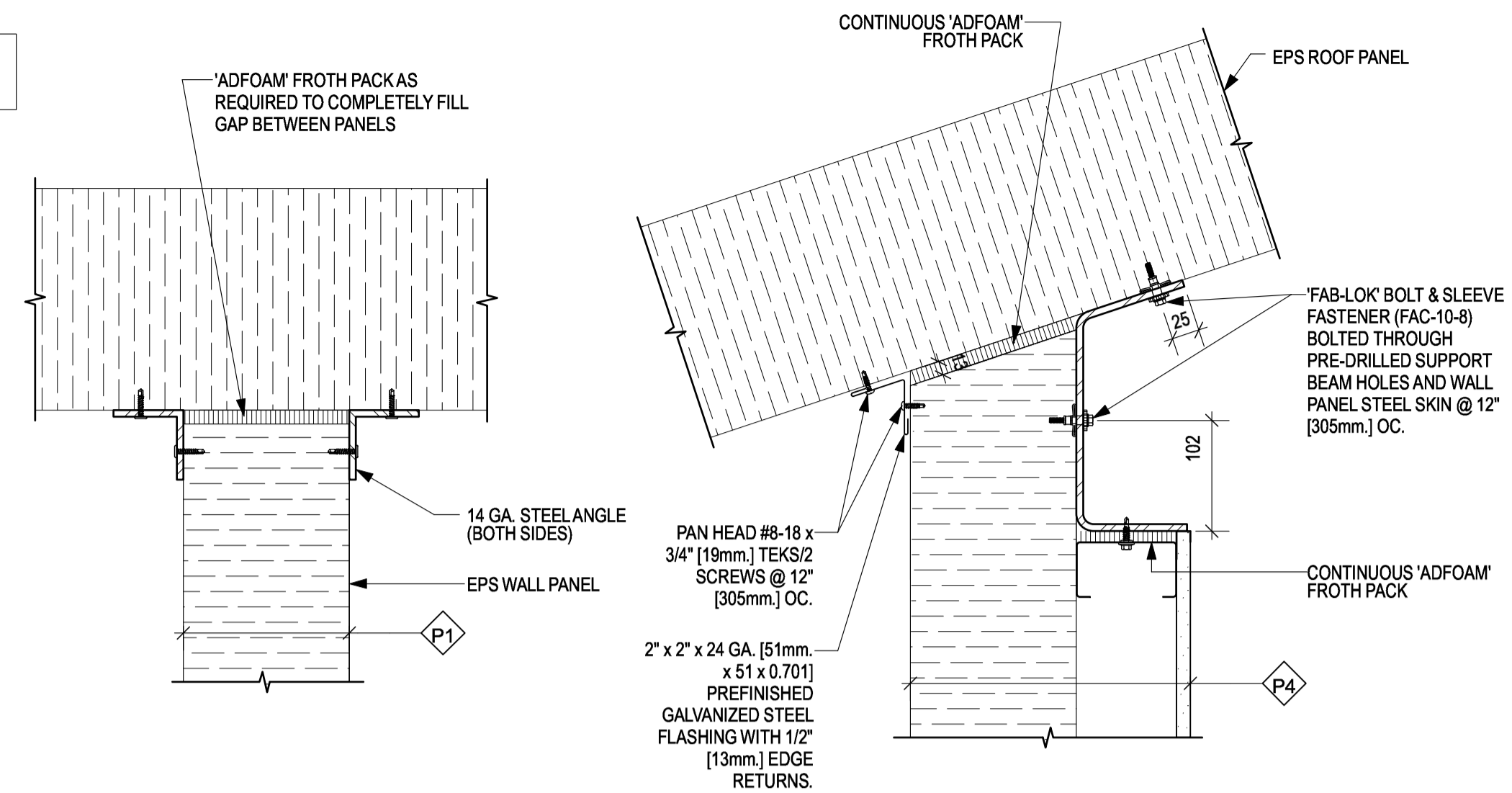
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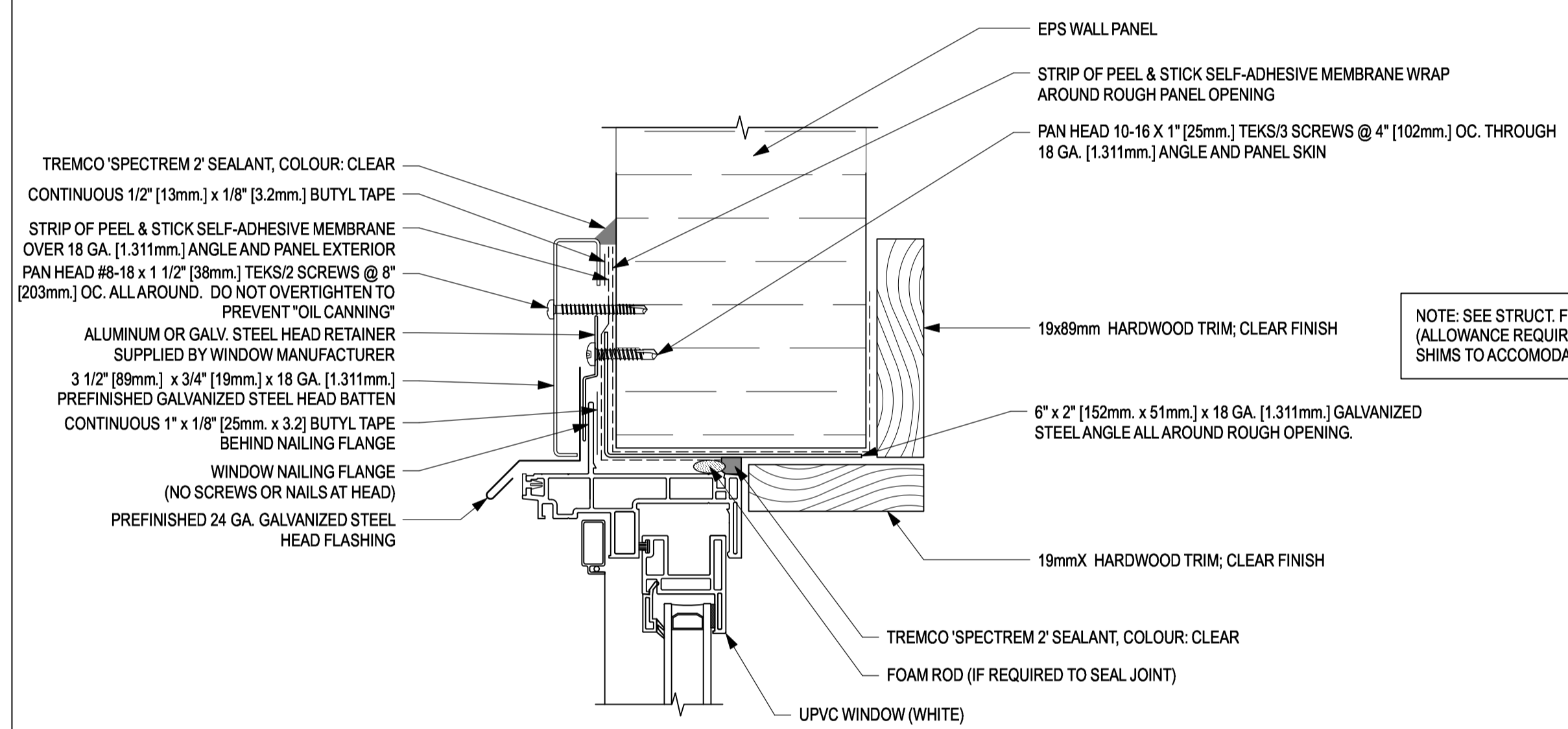
NOTE: ALL FLASHING TO MATCH COLOUR OF ADJACENT WALL PANELS



8 SECTION DETAIL @ COOLER WALL
A6.04 SCALE: 1:5

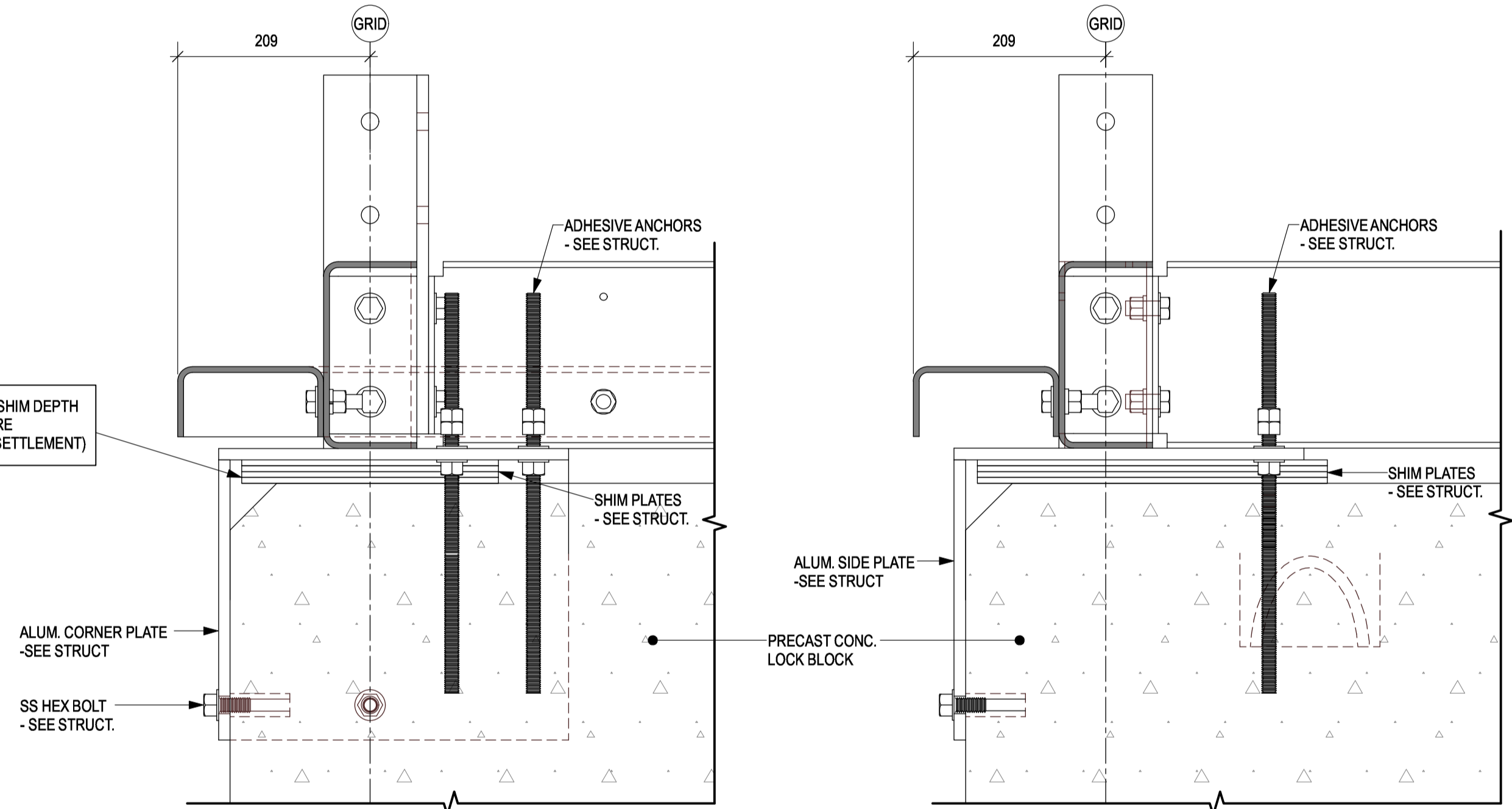
4 SECTION DETAIL @ COOLER WALL
A6.04 SCALE: 1:5

1 NOT USED
A6.04 SCALE: 1:2



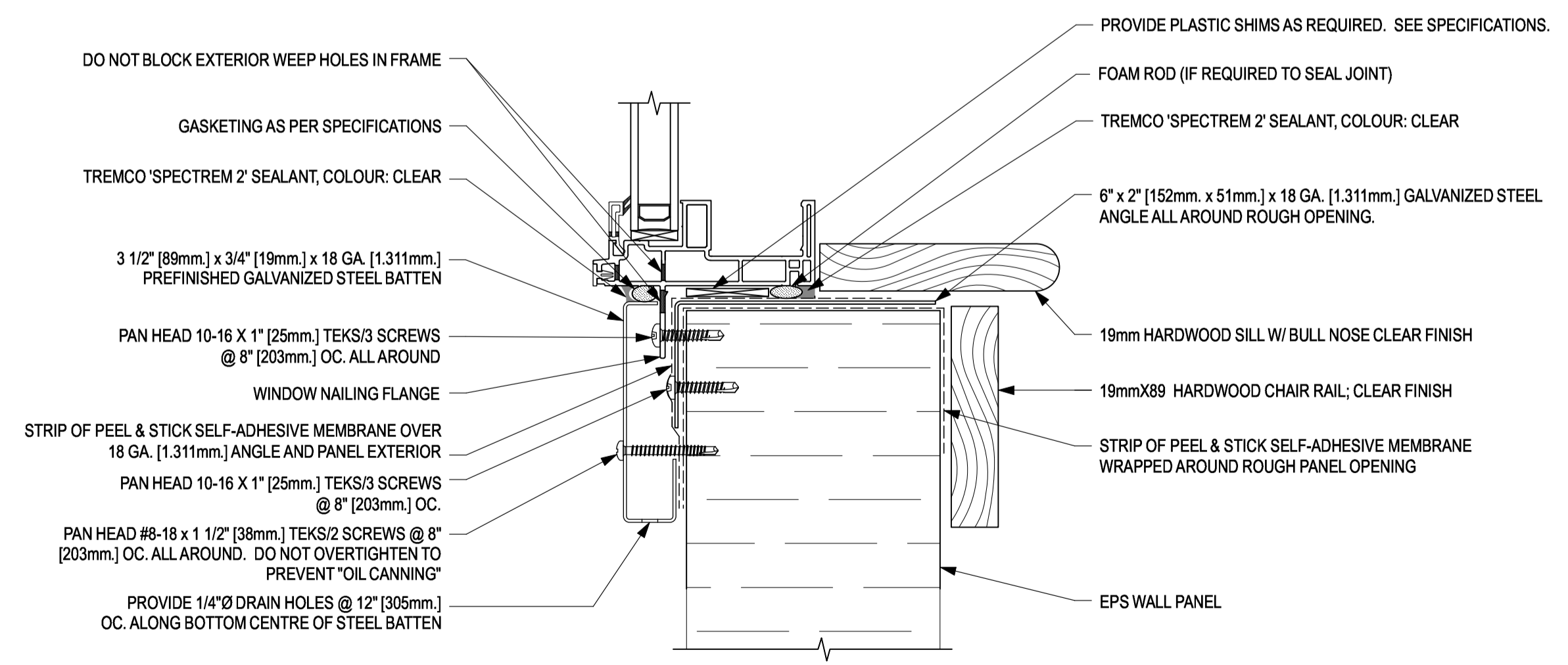
2 HEAD DETAIL
A6.04 SCALE: 1:2

NOTE: SEE STRUCT. FOR MAXIMUM SHIM DEPTH (ALLOWANCE REQUIRED FOR FUTURE SHIMS TO ACCOMMODATE BUILDING SETTLEMENT)

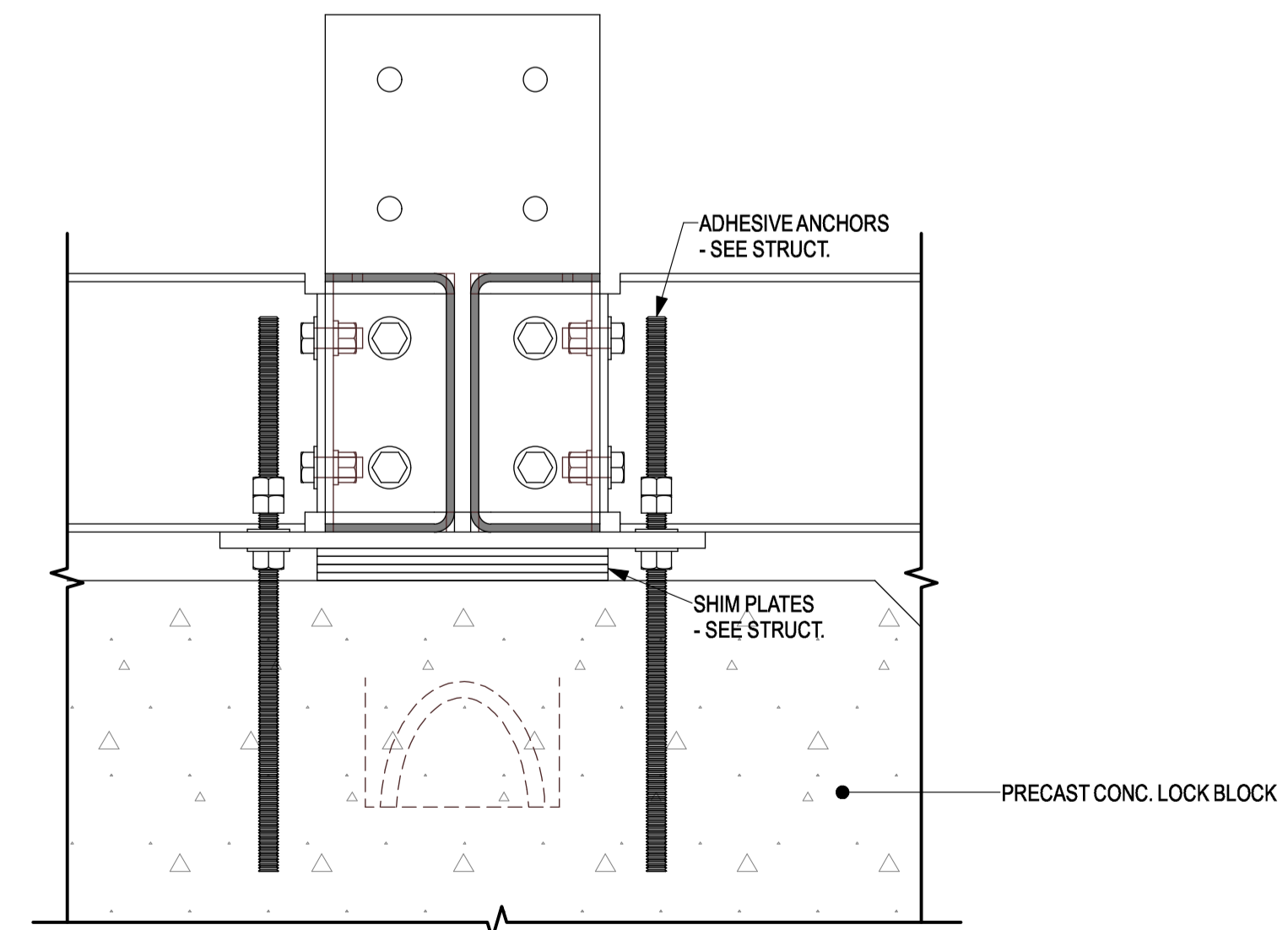


5 SECTION DETAIL
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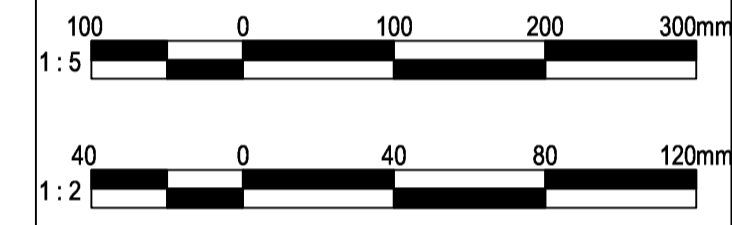
6 SECTION DETAIL
A6.04 SCALE: 1:5



3 SILL DETAIL
A6.04 SCALE: 1:2



7 SECTION DETAIL
A6.04 SCALE: 1:5



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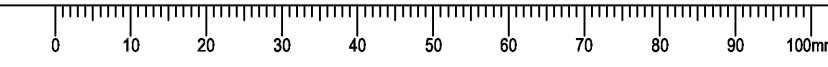
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PREETIPAL PAUL

Drawing title/Titre du dessin

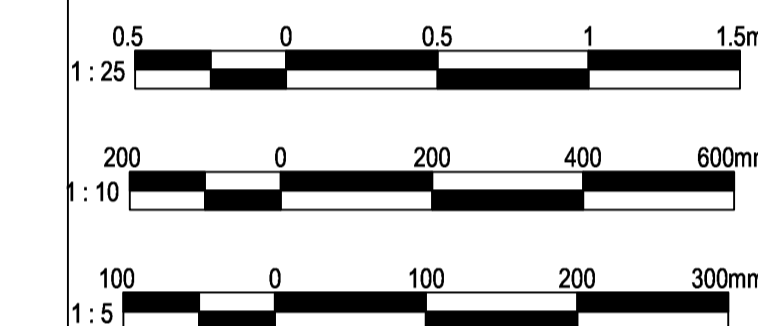
FEED LAB DETAILS

Project No./No. du projet	Sheet/ Feuille	Revision no./ La Révision no.
	A6.04	1





NOTE:
RAMP AND STAIR COMPONENTS
TO BE CONSTRUCTED OF
POWDER COATED STEEL.



2	TENDER	2018-08-16
1	REVIEW	2018-07-24
Revision/Revision	Description/Description	Date/Date

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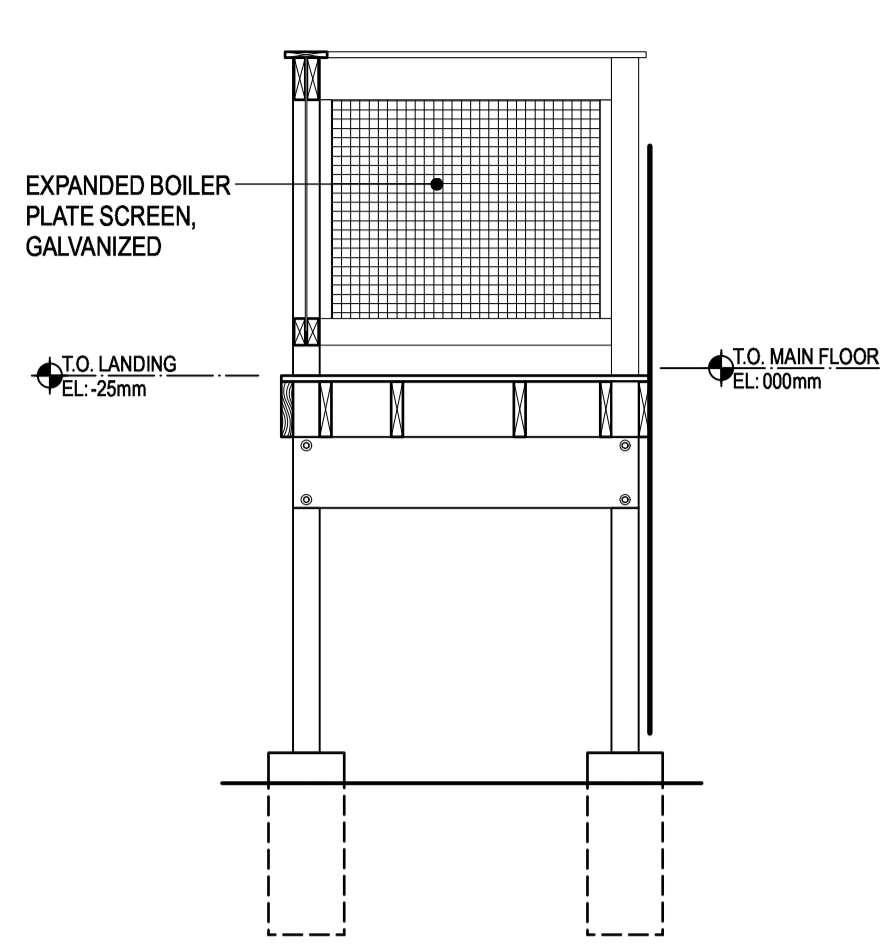
PWGSC Project Manager/Administrateur de Projets TPSSGC
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PREETIPAL PAUL

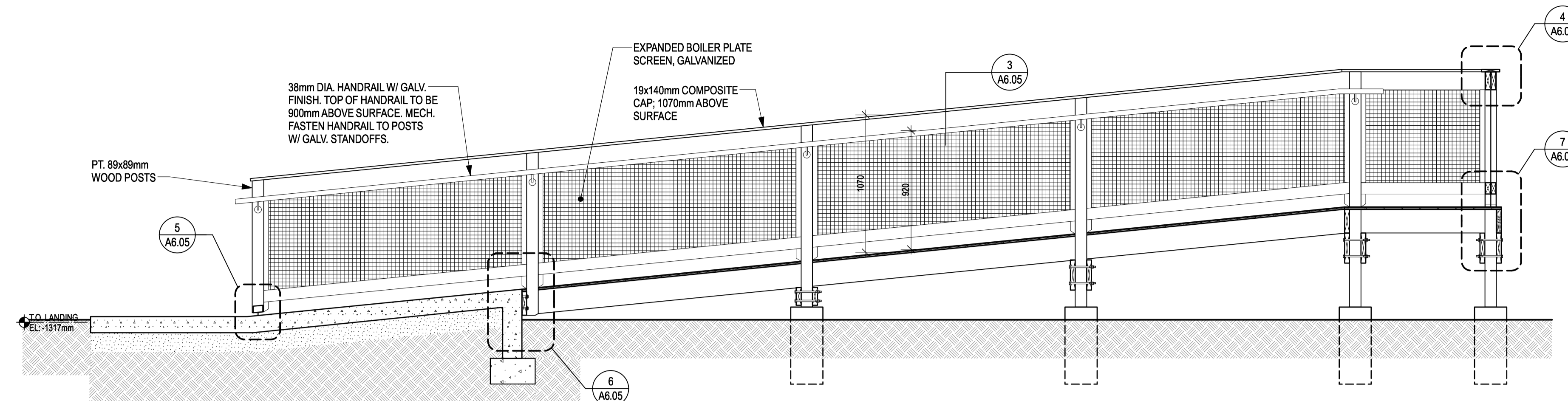
Drawing title/Titre du dessin

**FEED LAB
RAMP DETAIL**

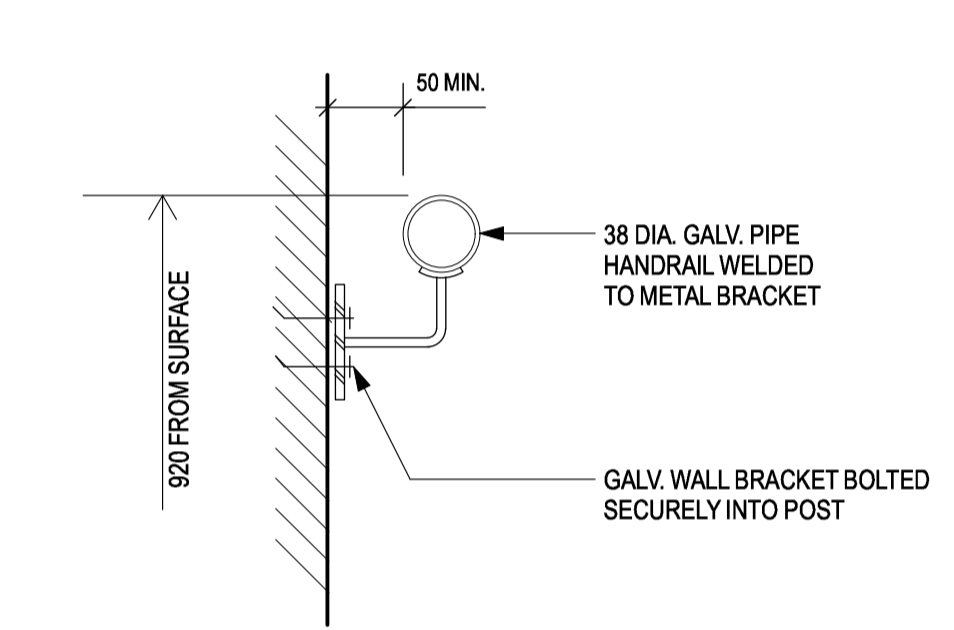
Project No./No. du projet	Sheet/ Feuille	Revision no./ La Révision no.
	A6.05	1



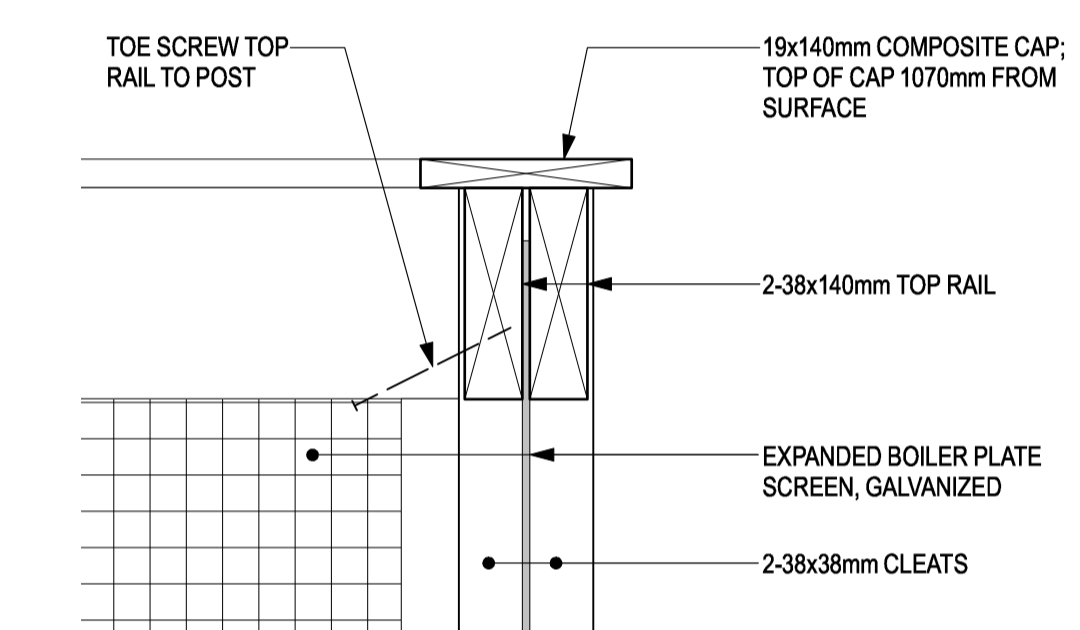
1 RAMP SECTION
SCALE: 1:25



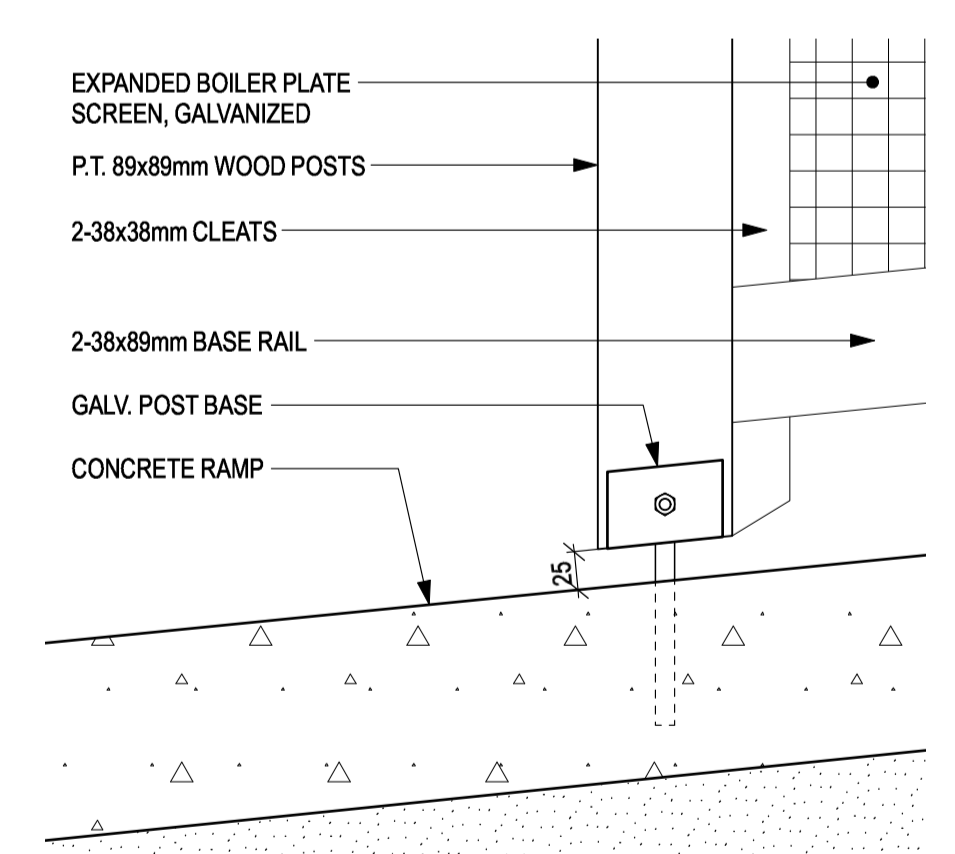
2 RAMP SECTION
SCALE: 1:25



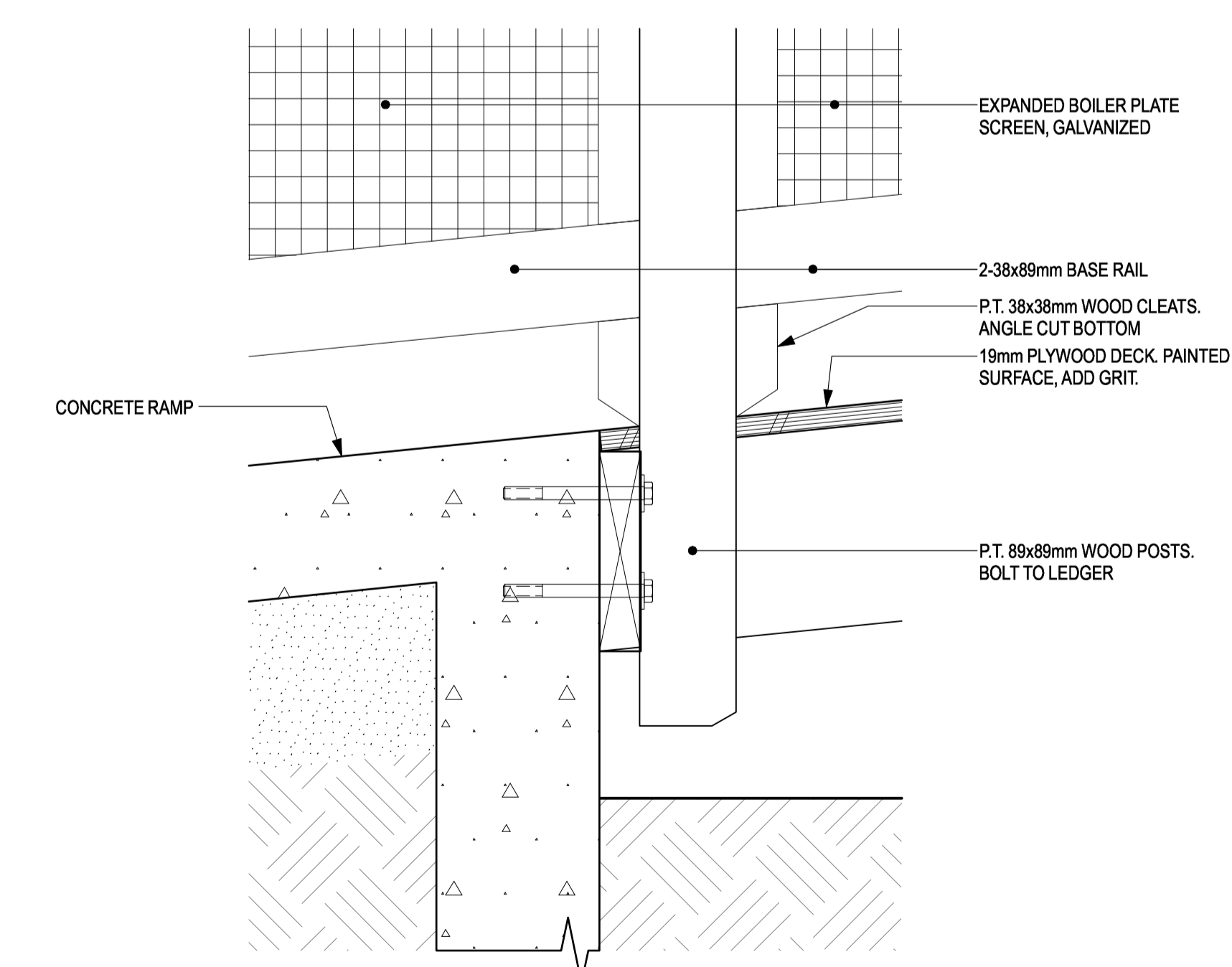
3 HANDRAIL DETAIL
SCALE: 1:5



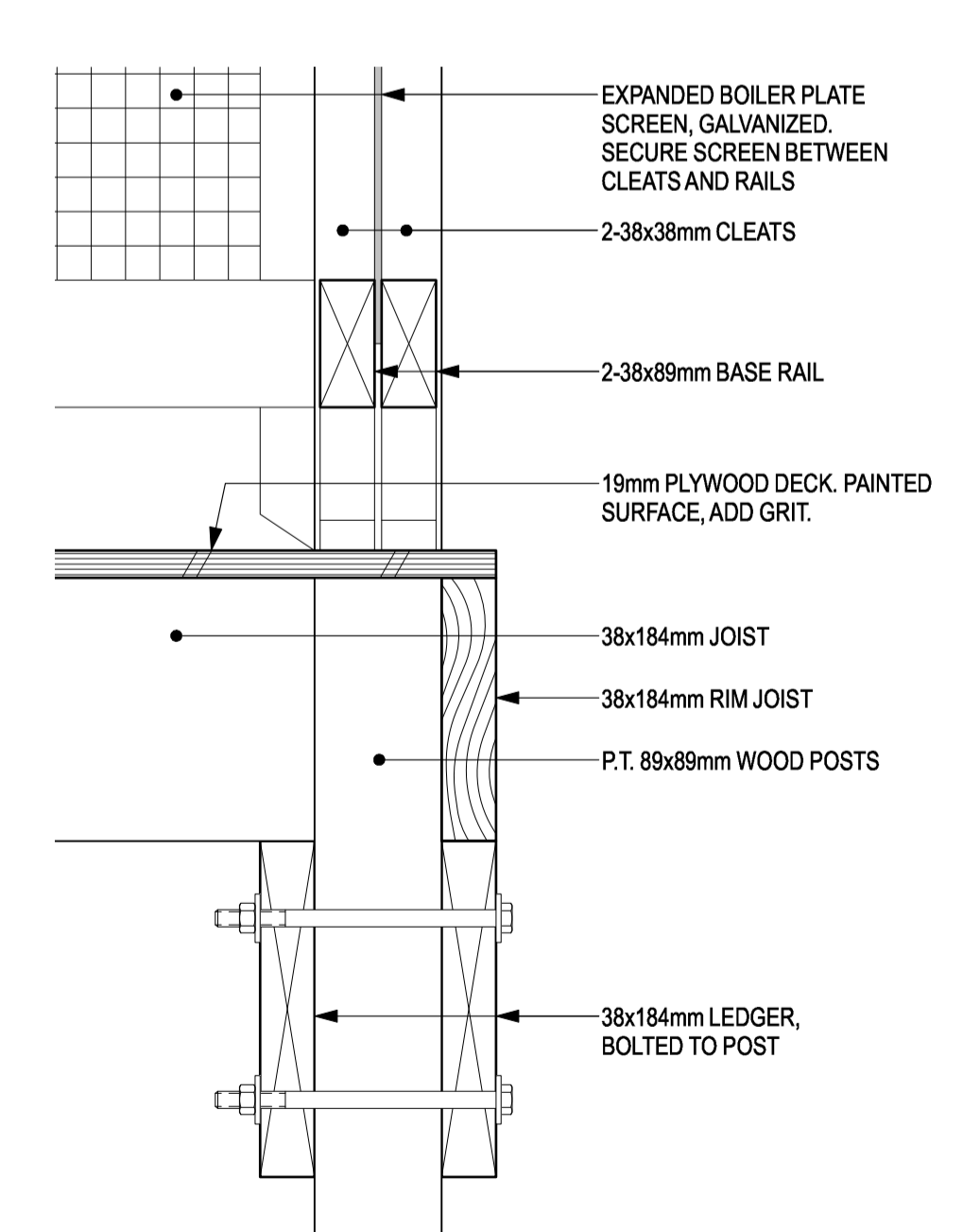
4 SECTION DETAIL
SCALE: 1:5



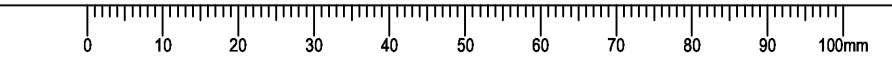
5 SECTION DETAIL
SCALE: 1:5

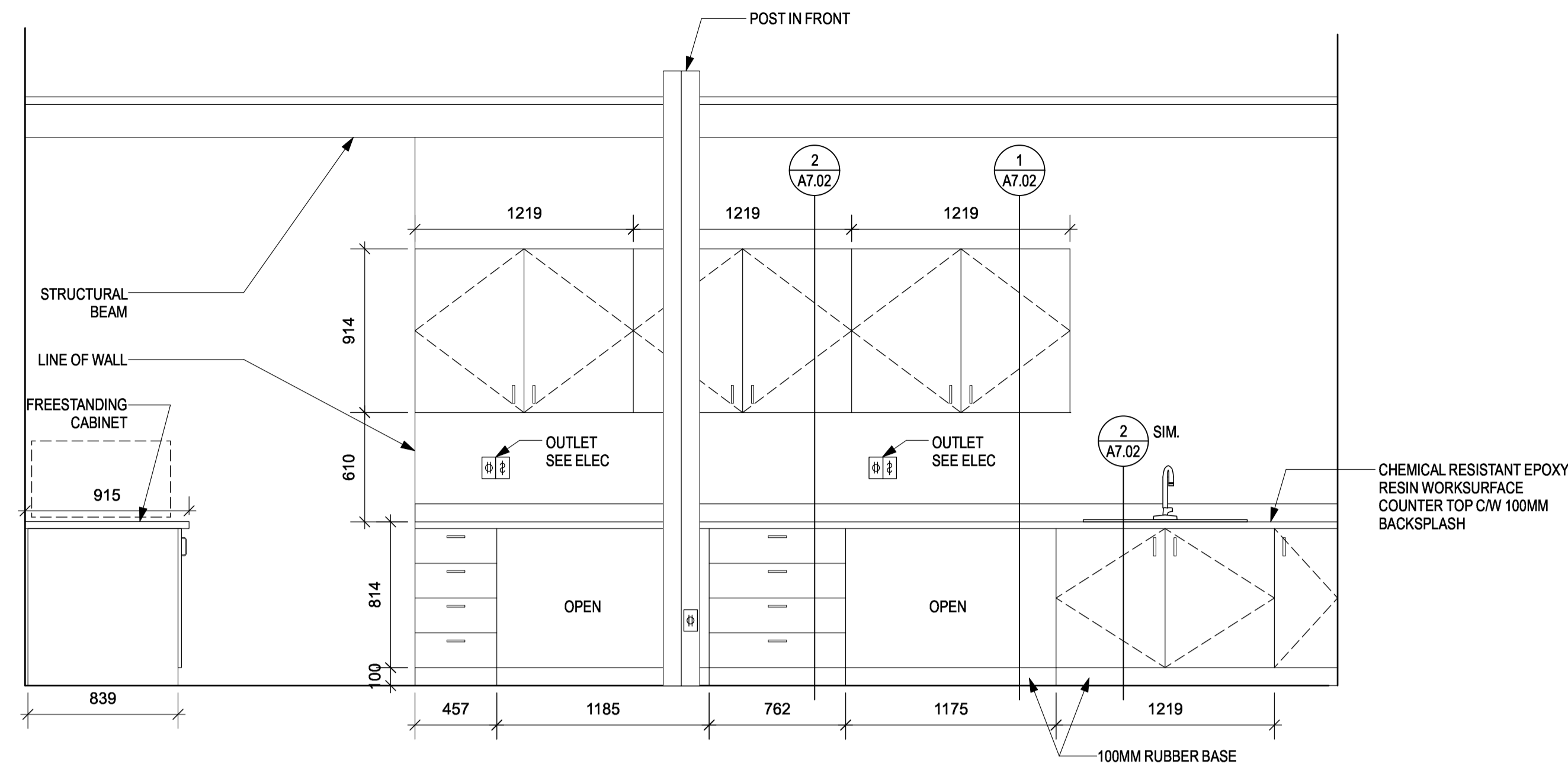


6 SECTION DETAIL
SCALE: 1:5

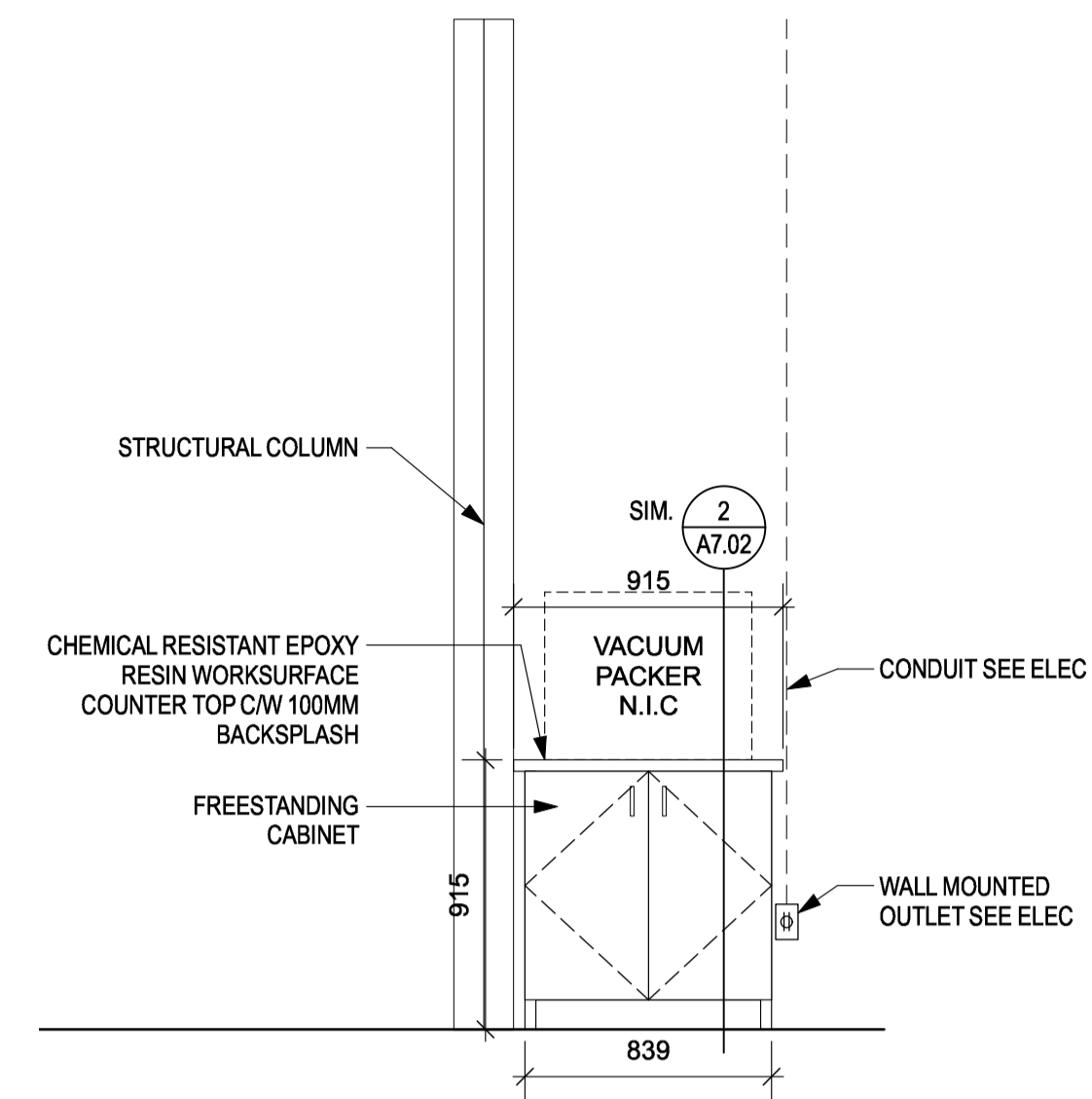


7 SECTION DETAIL
SCALE: 1:5





1 WORKBENCH - FEED LAB (100)
A7.01 SCALE: 1:50



2 CABINET - FEED LAB (100)
A7.01 SCALE: 1:50



2	TENDER	2018-08-16
1	REVIEW	2018-07-24
Revision/Revision	Description/Description	Date/Date

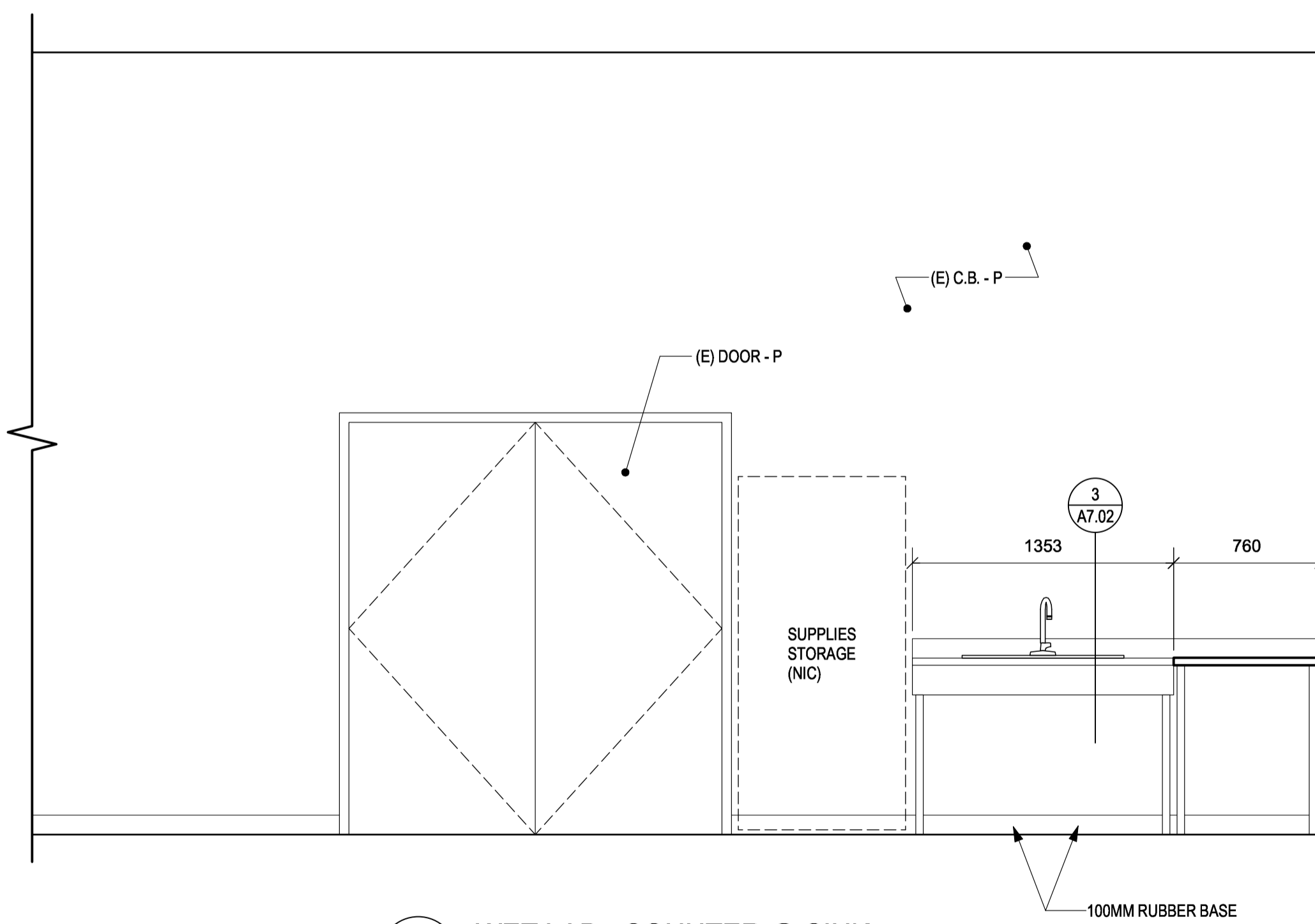
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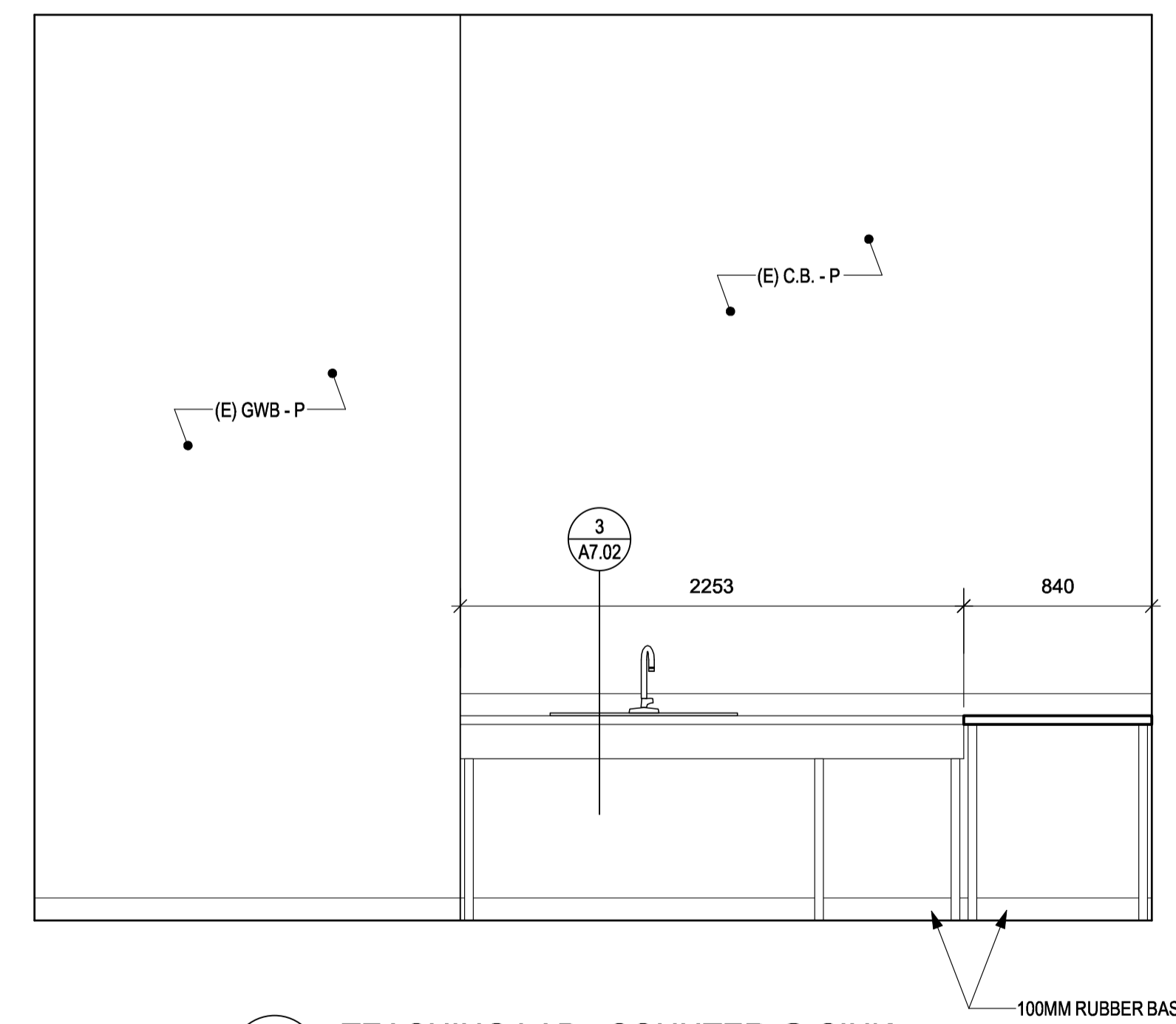
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Drawing title/Titre du dessin
INTERIOR ELEVATIONS

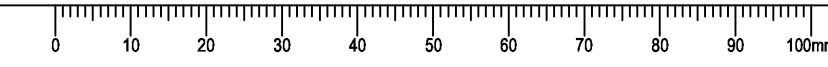
Project No./No. du projet	Sheet/ Feuille	Revision no./ La Révision no.
-	A7.01	1

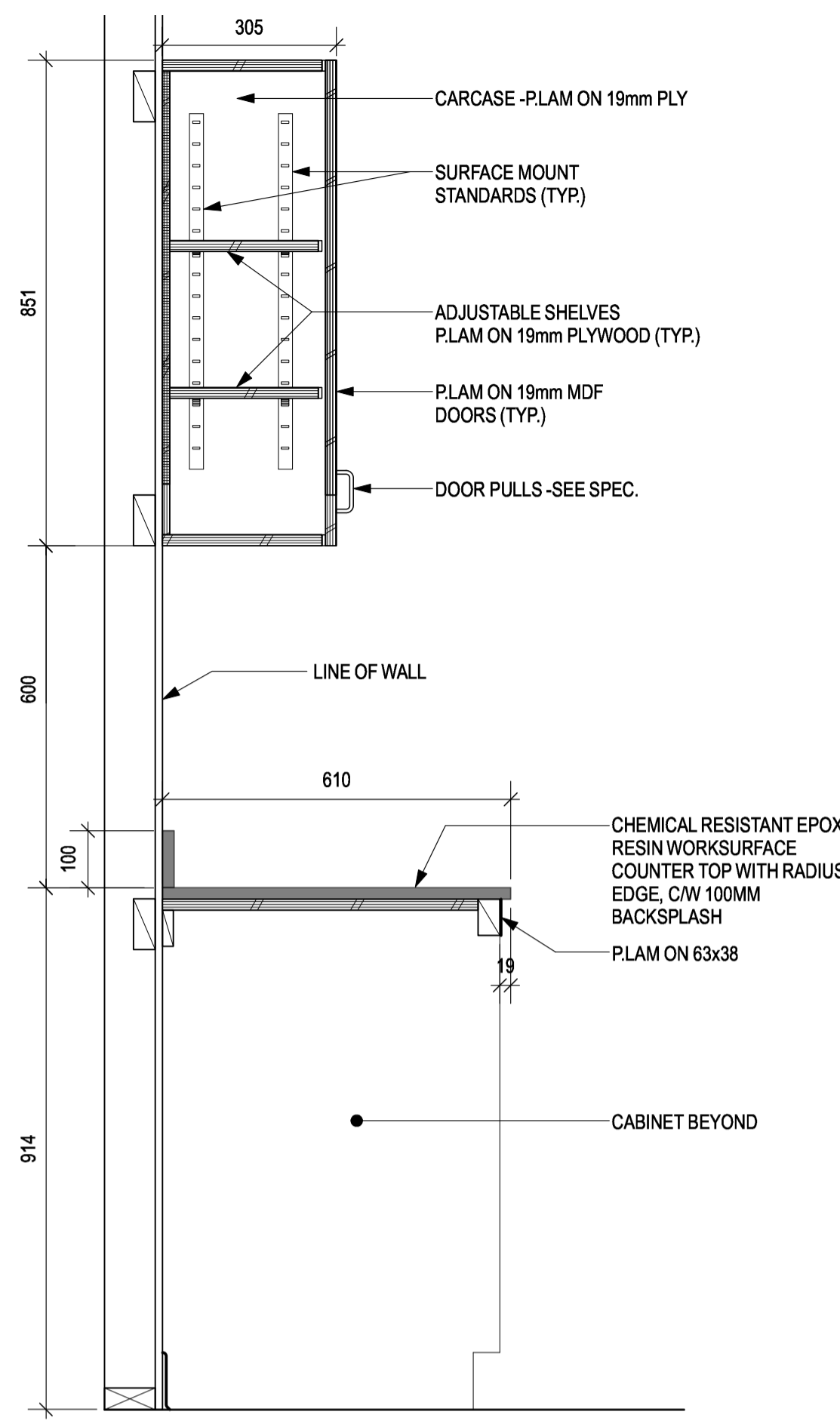
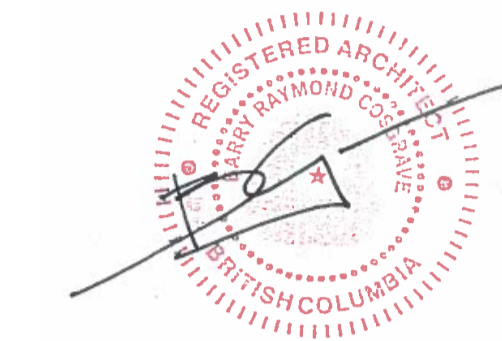


3 WET LAB - COUNTER @ SINK
A7.01 SCALE: 1:50

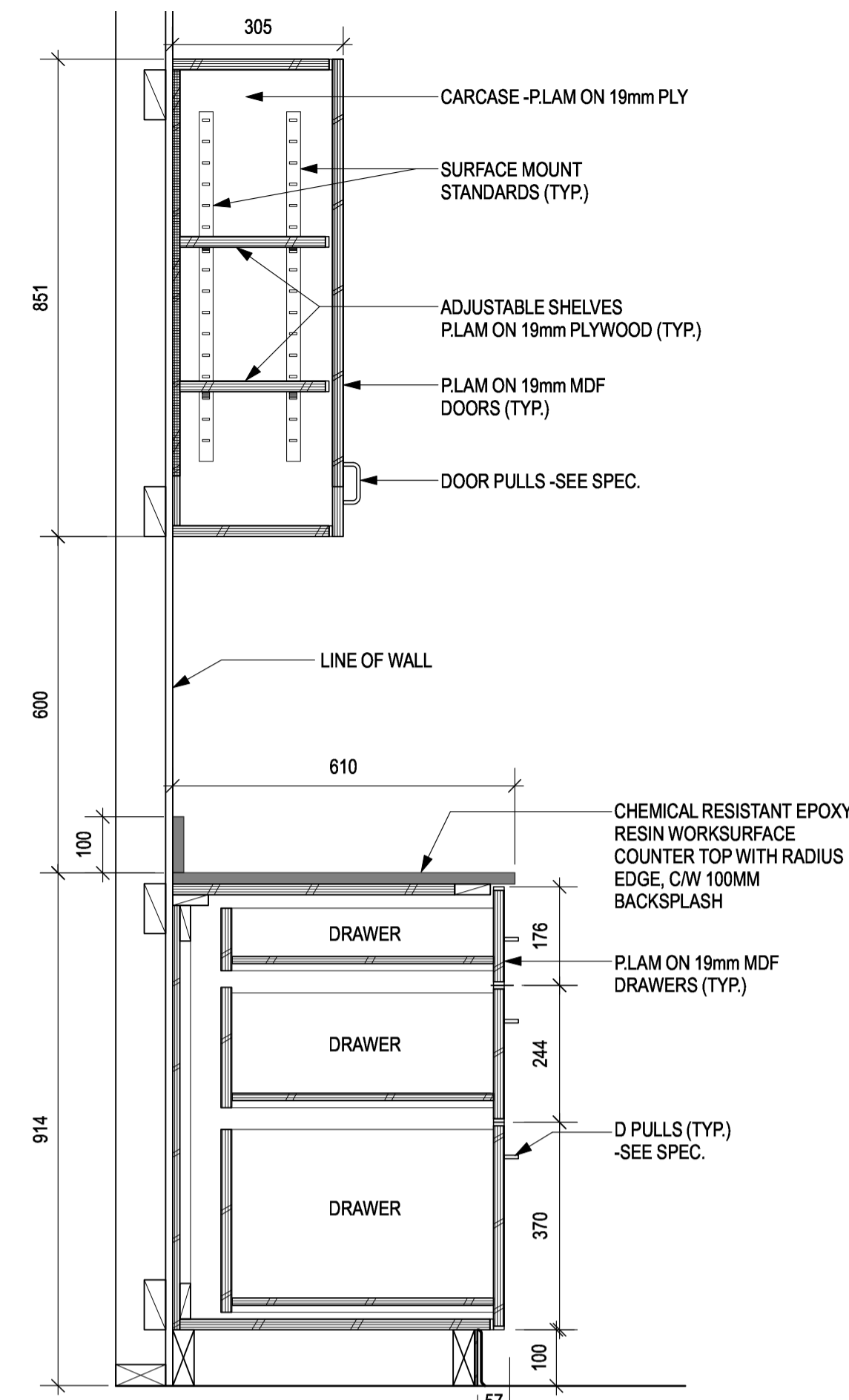


4 TEACHING LAB - COUNTER @ SINK
A7.01 SCALE: 1:50

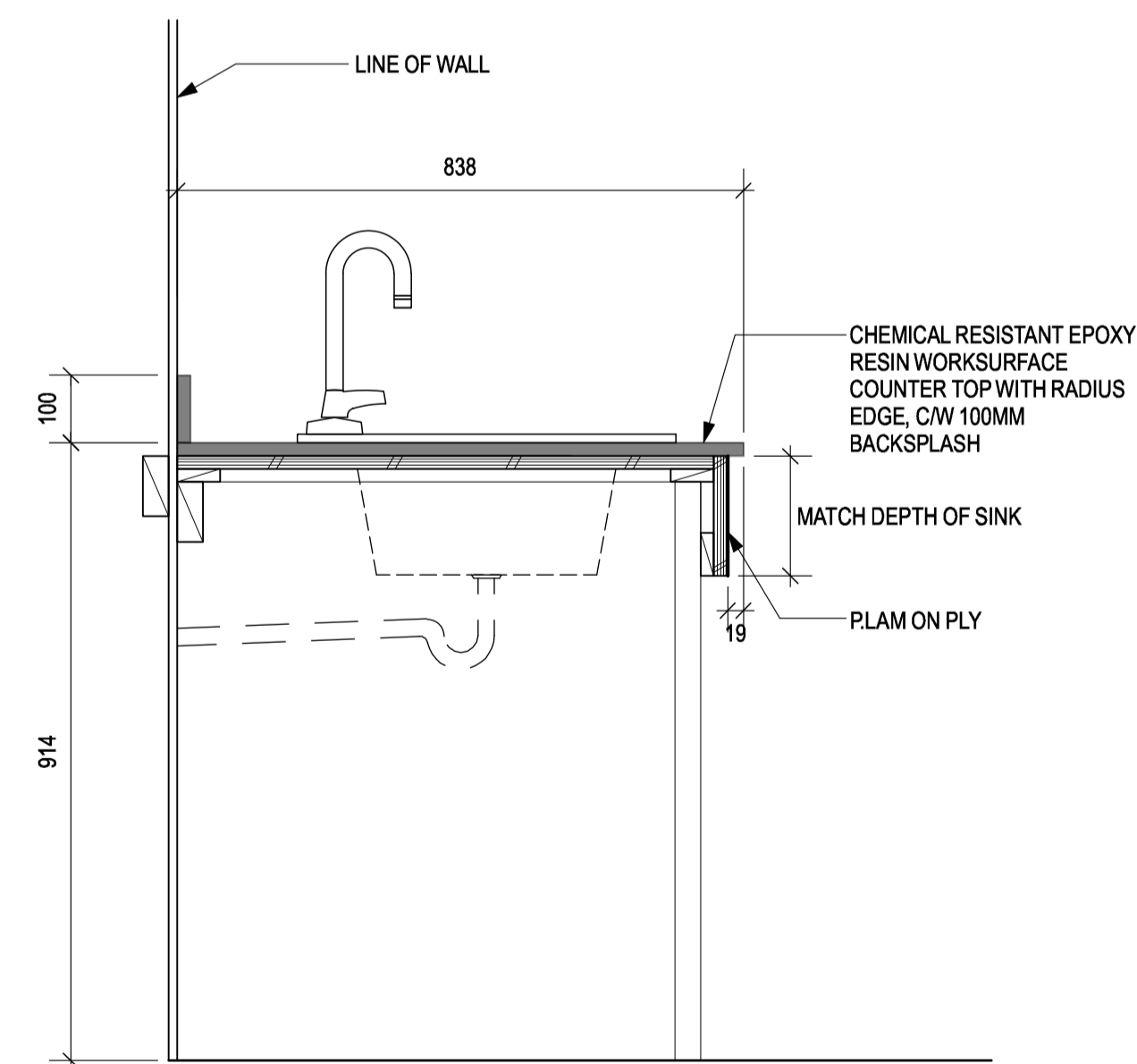




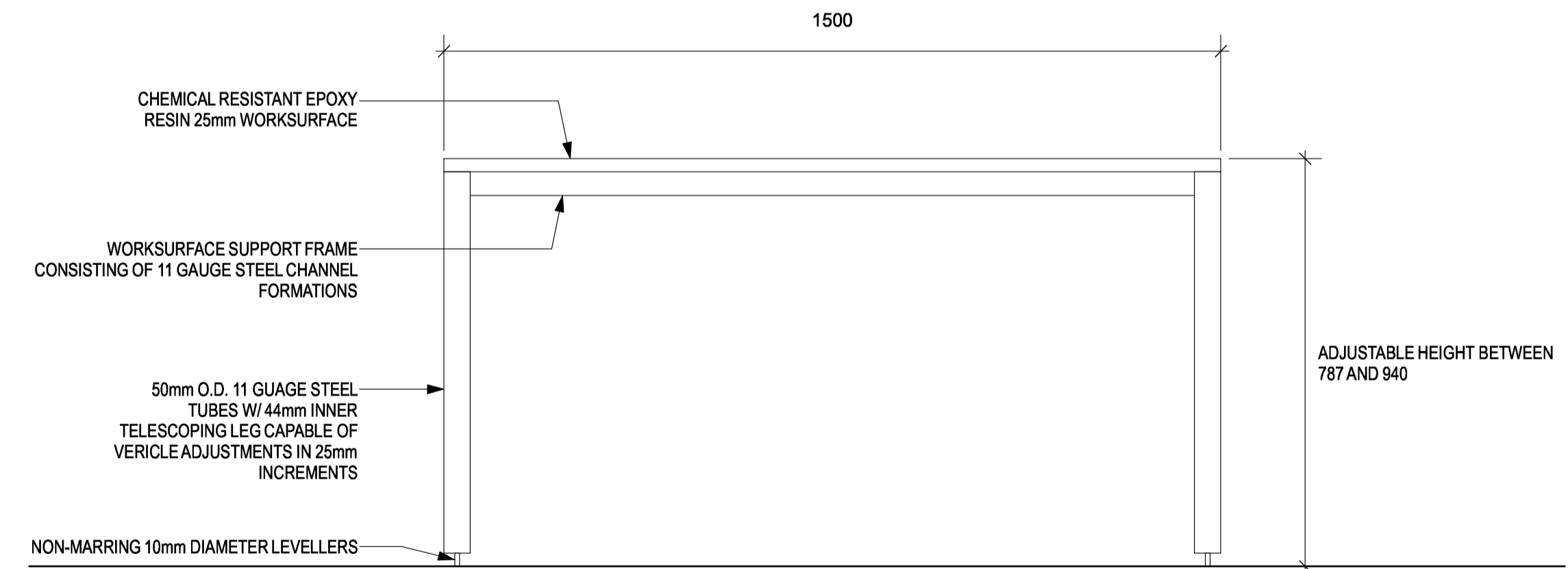
1 FEED LAB (100) WORK BENCH
A7.02 SCALE: 1:10



2 FEED LAB (100) WORK BENCH
A7.02 SCALE: 1:10



3 WET LAB FIXED COUNTER - RMS. 129A and 131
A7.02 SCALE: 1:10



4 TYPICAL LAB BENCH - RMS. 129A and 131
A7.02 SCALE: 1:10

2	TENDER	2018-08-16
1	REVIEW	2018-07-24
Revision/Revision	Description/Description	Date/Date

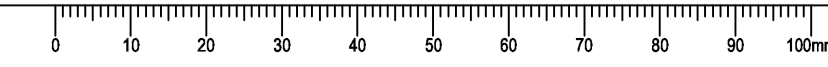
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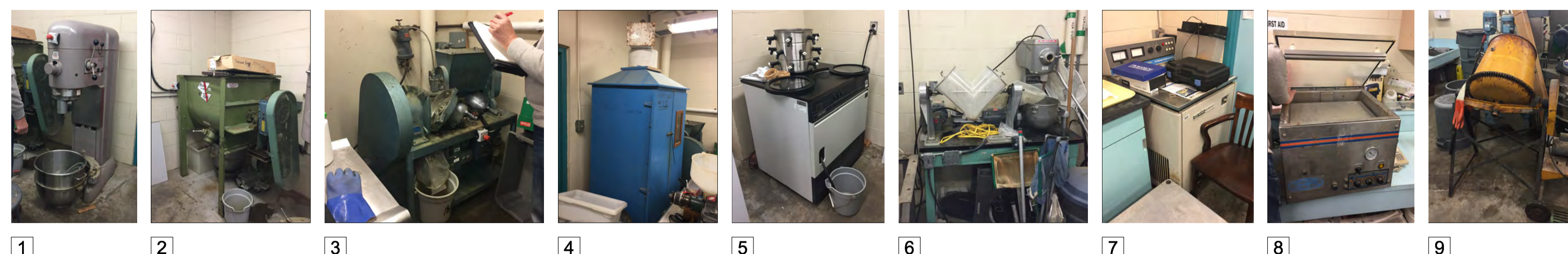
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Drawing title/Titre du dessin
**MILLWORK
DETAILS**

Project No./No. du projet	Sheet/ Feuille	Revision no./ La Révision no.
	A7.02	1



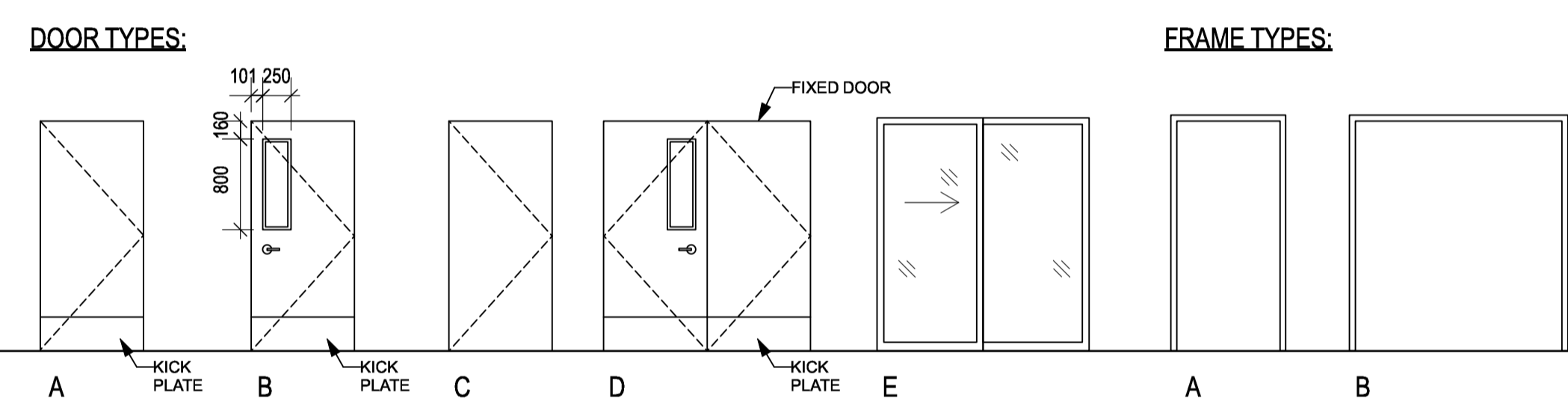


NOTE: 1 & 2 HARDWIRED. ELECTRICIAN TO REMOVE.

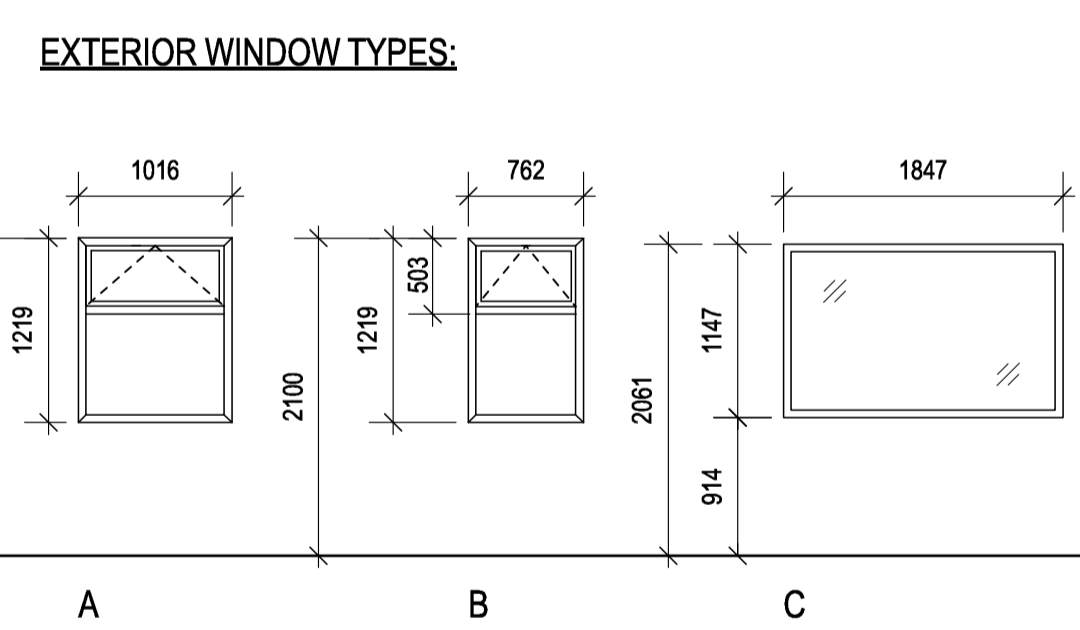
1 EQUIPMENT TO BE RELOCATED
SCALE: N.T.S.

DOOR SCHEDULE																				
FEED LAB BUILDING																				
OPENING		DOOR								FRAME										
NUM.	SIZE (W x H x THICK)	ROOM NAME	FRR	HDWR	TYPE	MATL	CORE	FINISH	COLOR	GLAZ.	REMARKS	MATL	TYPE	FINISH	COLOR	GLAZ.				
1	1828 x 2032 x 45	FEED LAB	-	1	D	MTL.	INSU.	PT		D.G. TEMP.	LOCK; CLOSER; KICK PLATE; THRESHOLD; WEATHER STRIPPING; SWEEP	H.M.	B	PT						
2	914 x 2032 x 102	COOLER	-	2	C	MTL.	INSU.	P.F.			GASKET; SELF-RISING HINGES; SAFETY RELEASE FASTENER - COOLER TYPE DOOR	H.M.	A	P.F.						
INTERIOR LAB																				
3	914 x 2032 x 102	ACOUSTIC ANALYSIS ROOM	3/4 HR.	3	C	MTL.	-	P.T.				H.M.	A	P.T.						
4	1875 x 2061 x 102	RM 131	-	-	E															

SCHEDULE ABBREVIATIONS:					
ALUM.	ALUMINUM	INSUL.	INSULATED	P.F.	PRE-FINISHED
ARG.	ARGON FILL	MATL	MATERIAL	PT	PAINT
D.G.	DOUBLE GLAZED	MIN.	MINUTES or MINIMUM	T.B.	THERMALLY BROKEN
FRR	FIRE RESISTANCE RATING	MTL	METAL	T.G.	TRIPLE GLAZED
GLAZ.	GLAZING (OR GLAZED)	NAT.	NATURAL	TEMP.	TEMPERED
H.M.	HOLLOW METAL	OBS.	OBSCURED	WD.	WOOD
HDWR	HARDWARE				



WINDOW SCHEDULE							
FEED LAB BUILDING							
NUM.	R.O. SIZE (W x H)	TYPE	FRAME MATL	GLAZING	FINISH	COLOUR	REMARKS
1	1016x1219 mm	A	VINYL	D.G.		WHITE	
2	762x1219 mm	B	VINYL	D.G.		WHITE	
INTERIOR LABS							
3	1847x1147 mm	C	STEEL	D.G.	PAINT	T.B.D.	



FINISH SCHEDULE ABBREVIATIONS:					
ACT	ACOUSTIC CEILING TILE	F.R.	NON-CONDUCTIVE, FIRE RETARDANT PAINT	SL	SEALED
AS.	ANTI-STATIC			T.B.D.	TO BE DETERMINED
CARP.	CARPET TILE	OP	OPERABLE	TILE	CERAMIC TILE
C.B.	CONCRETE BLOCK	PT.	PAINTED	VCT	VINYL COMPOSITE TILE
CONC	CONCRETE	S.R.	SHEET RUBBER	W. COV.	WALL COVERING
GWB	GYPSTUM WALL BOARD	S.V.	SHEET VINYL SAFETY FLOORING	M.P.	POLISHED METAL PANEL - WHITE

FINISH SCHEDULE																					
FEED LAB BUILDING																					
NUM.	ROOM NAME	FLOOR		BASE		CEILING			NORTH WALL			EAST WALL			SOUTH WALL			WEST WALL			REMARKS
		FINISH	COLOUR	MATERIAL	SIZE	COLOUR	MATERIAL	FINISH	COLOUR	MATERIAL	FINISH	COLOUR	MATERIAL	FINISH	COLOUR	MATERIAL	FINISH	COLOUR	MATERIAL	FINISH	
100	LAB	S.V.		RUBBER	100mm		M.P.	PRE-FINISHED	WHITE	GWB.	P.AINT		M.P.	PRE-FINISHED	WHITE	M.P.	PRE-FINISHED	WHITE	M.P.	PRE-FINISHED	WHITE
101	COOLER	S.V.		RUBBER	100mm		M.P.	PRE-FINISHED	WHITE	M.P.	PRE-FINISHED	WHITE	M.P.	PRE-FINISHED	WHITE	M.P.	PRE-FINISHED	WHITE	M.P.	PRE-FINISHED	WHITE
INTERIOR LAB																					
129A	TEACHING LAB	EPOXY		RUBBER	100mm		(E) CONC.	*PAINT	WHITE	GWB/CONC	P.AINT	WHITE	C.B.	P.AINT	WHITE	C.B.	P.AINT	WHITE	C.B./GWB.	P.AINT	WHITE
131	SRKW WET LAB	EPOXY		RUBBER	100mm		(E) CONC.	*PAINT	WHITE	GWB/C.B.	P.AINT	WHITE	GWB/C.B.	P.AINT	WHITE	C.B.	P.AINT	WHITE	C.B.	P.AINT	WHITE
129C	ACOUSTIC ANALYSIS ROOM	EPOXY		RUBBER	100mm		(E) CONC.	*PAINT	WHITE	GWB	P.AINT	WHITE	CONC.	P.AINT	WHITE	C.B./GWB	P.AINT	WHITE	CONC./C.B.	P.AINT	WHITE

*SPRAY PAINT APPLICATION
NOTES: 1. PRIME & 2 COATES TO GWB.
1 COAT TO (E) CONC. BLOCK
2. PAINT INTERIOR DOORS NEW & EXISTING - COLOUR T.B.D.

2	TENDER	2018-08-16
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Revision/Revision	Description/Description	Date/Date

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PREETIPAL PAUL
Drawing title/Titre du dessin

DOOR, WINDOW, & FINISH SCHEDULES, EQUIPMENT TO BE RELOCATED

Project No./No. du projet	Sheet/ Feuille	Revision no./ La Révision no.
-	A8.01	1

