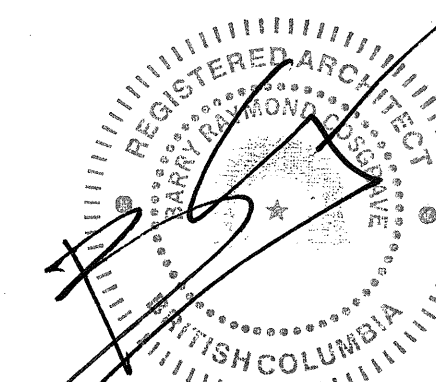
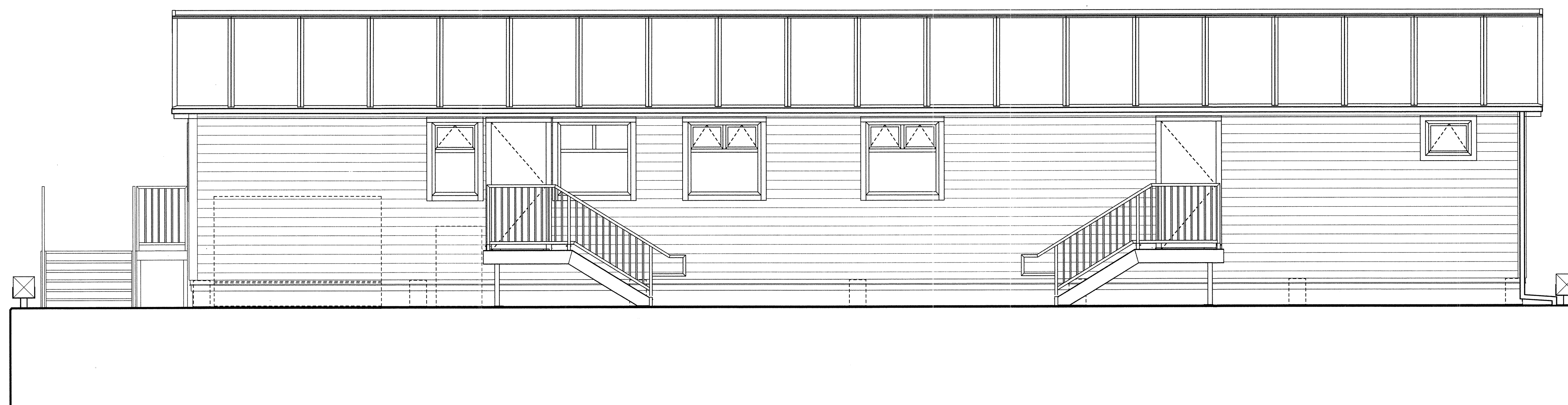


# CAMPBELL RIVER NEW SAR STATION FISHERIES AND OCEANS, REAL PROPERTY, SAFETY AND SECURITY



Revision/Revision	Description/Description	Date/Date
3	TENDER	2016-19-19
2	95% REVIEW	2016-08-15
1	66% REVIEW	2016-07-25

Client/client  
**FISHERIES AND OCEANS,  
REAL PROPERTY,  
SAFETY AND SECURITY**  
VANCOUVER, BC  
200-401 BURRARD ST.

Project title/Titre du projet  
**705 ISLAND HIGHWAY  
CAMPBELL RIVER, B.C.**

**CAMPBELL RIVER  
SAR STATION**

Consultant Signature Box Only

Designed by/Concept par  
**RH**

Drawn by/Dessiné par  
**CM**

PWGSC Project Manager/Administrateur de Projets TPSPG  
**---**

PWGSC Regional Manager, Architectural and Engineering Services/  
Gestionnaire régionale, Services d'architecture et de génie, TPSPG  
**PREETIPAL PAUL**

Drawing title/Titre du dessin

**COVER SHEET,  
DRAWING LIST**

Project No./No. du projet	Sheet/ Feuille	Revision no./ La Révision no.
<b>R.000000.000</b>	<b>A0.00</b>	<b>A</b>
	<b>OF</b>	

## DRAWING LIST

### ARCHITECTURAL

A0.00	COVER SHEET, LIST OF DRAWINGS
A0.01	LEGEND, ASSEMBLIES, ABBREVIATIONS, NOTES
A2.01	FLOOR PLAN
A2.02	FLOAT PLAN
A2.03	REFLECTED CEILING PLAN
A3.01	EXTERIOR ELEVATIONS
A4.01	SECTIONS
A6.01	DETAILS
A6.02	DETAILS
A6.03	DETAILS
A6.04	DETAILS
A6.05	DETAILS
A6.06	DETAILS
A7.01	INTERIOR ELEVATIONS
A7.02	MILLWORK DETAILS
A8.01	DOOR, WINDOW & FINISH SCHEDULES

### 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 PLAN
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

### STRUCTURAL (FLOAT FRAME CONNECTION)

S2.01	FLOAT PLAN SHOWING CRAWLSPACE FRAMING
S2.02	SECTIONS & DETAILS

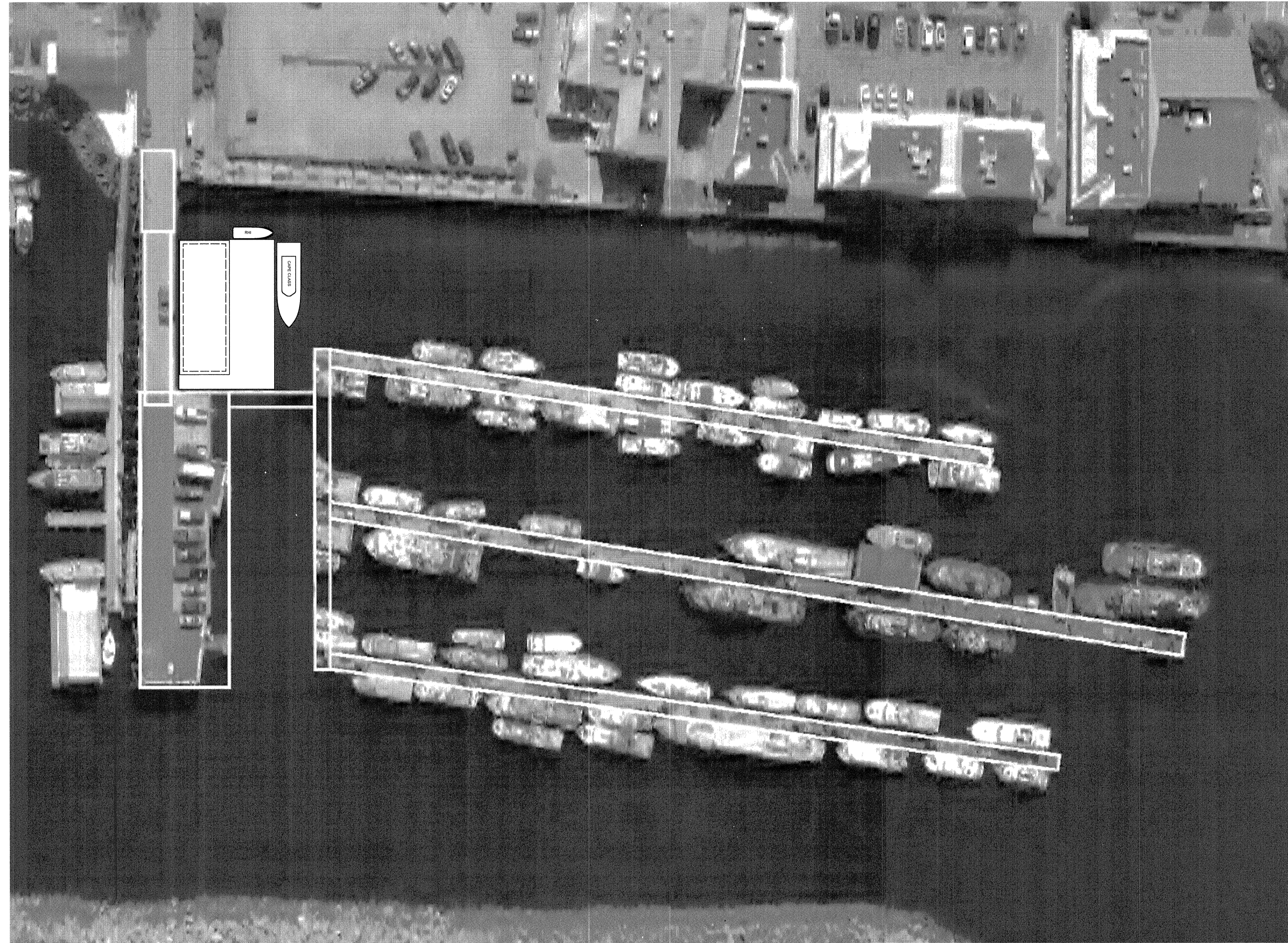
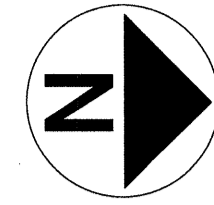
### MECHANICAL

M0.01	LEGEND, SCHEDULES, DRAWING LIST
M1.01	PLUMBING MAIN AND CRAWLSPACE FLOOR PLAN
M1.02	PLUMBING DETAILS
M2.01	HVAC MAIN FLOOR PLAN

### ELECTRICAL

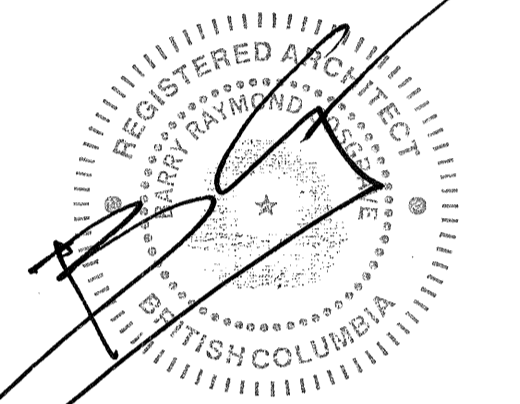
E1.0	SITE PLAN, LIGHTING, AND LEGEND
E2.0	ELECTRICAL AND POWER SYSTEM, DETAILS AND SCHEDULES
E3.0	SCHEDULES, PANELS AND LOAD CALCULATIONS





**NOTE:**

SITE PLAN FOR REFERENCE ONLY. BUILDING TO BE ASSEMBLED ON FLOAT AT DIFFERENT LOCATION. OWNER TO RELOCATE COMPLETED BUILDING TO CAMPBELL RIVER LOCATION AFTER WORK IS COMPLETE. SEE SPECIFICATION FOR LOCATION OF BUILDING ASSEMBLY.



3	TENDER	2016-10-19
2	65% REVIEW	2016-08-15
1	66% REVIEW	2016-07-25
Revision/	Description/Description	Date/Date
Revision		
Client/client		

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REAL PROPERTY,  
SAFETY AND SECURITY  
VANCOUVER, BC  
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Project title/Titre du projet  
**705 ISLAND HIGHWAY  
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**CM**

PWGSC Project Manager/Administrateur de Projets TPSGC

PWGSC Regional Manager, Architectural and Engineering Services/  
Gestionnaire régionale, Services d'architecture et de génie, TPSGC  
**PREETIPAL PAUL**

Drawing title/Titre du dessin

**LEGEND,  
ASSEMBLIES,  
ABBREVIATIONS,  
NOTES**

Project No./No. du projet <b>R.000000.000</b>	Sheet/ Feuille <b>A0.01</b>	Revision no./ La Révision no. <b>A</b>
	OF	

**WALL ASSEMBLIES**

W1	TYPICAL EXTERIOR WALL ASSEMBLY HARDI PLANK 38x4mm WOOD STRAPPING @610mm O.C. PREFAB EPS WALL PANEL METAL SKIN (PREFINISHED) R24 RIGID INSULATION 152mm THICK PANEL METAL SKIN (PREFINISHED)
P1	TYPICAL INTERIOR PARTITION 12mm GYPSUM WALL BOARD 92mm STEEL STUD @400 O.C. 12mm GYPSUM WALL BOARD
P2	SERVICES WALL 12mm GYPSUM WALL BOARD 92mm STEEL STUD @400 O.C. 12mm AIR SPACE EPS PANEL - SEE SPEC.
P3	SECURITY STORAGE WALL 12mm GYPSUM WALL BOARD 12mm PLY SHEATHING (STORAGE ROOM SIDE) 92mm STEEL STUD @400 O.C. 12mm GYPSUM WALL BOARD
P4	SOUND PARTITION 12mm GYPSUM WALL BOARD 92mm STEEL STUD @400 O.C. BATT INSULATION TO FILL CAVITY 12mm GYPSUM WALL BOARD
P5	MOUNTING WALL 12mm PLY SHEATHING (GOOD ONE SIDE) 92mm STEEL STUD @400 O.C. 12mm AIR SPACE EPS PANEL - SEE SPEC.
P6	FIRE SEPERATION (45 min. F.R.R.) 16mm TYPE X GYPSUM WALL BOARD 92mm STEEL STUD @400 O.C. BATT INSULATION TO FILL CAVITY 16mm TYPE X GYPSUM WALL BOARD

**ROOF ASSEMBLIES**

R1	TYPICAL ROOF ASSEMBLY EPS ROOF PANEL: PREFIN. METAL SKIN, EPS INSULATION (R34 203mm), METAL SKIN
----	--

**FLOOR ASSEMBLIES**

F1	TYPICAL FLOOR ASSEMBLY FLOORING - SEE SCHEDULE 8mm PLYWOOD FINISHED FLOOR UNDERLAYMENT 19mm EXTERIOR GRADE PLYWOOD OVERLAY R34 (203mm) INSULATED FLOOR PANEL GALVANIZED STEEL DECKING PEEL AND STICK ISOLATION MEMBRANE ALUMINUM FRAME - SEE STRUCT.
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**LEGEND:**

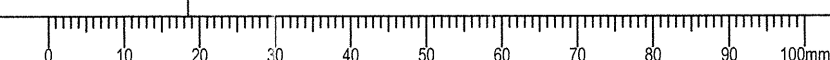
#	DETAIL NUMBER
A.XX	SHEET NUMBER
◇	ASSEMBLY TYPE
	R-ROOF, F-FLOOR
	W-WALL, P-PARTITION
#	GRID MARKER
0.000	ELEVATION MARKER
000	DOOR NUMBER
00	WINDOW NUMBER
→	DETAIL/SECTION CUT
	DIRECTION MARKER
ROOM NAME	ROOM NAME
000	ROOM NUMBER
ACT 2438	FINISH TYPE   HEIGHT ABOVE FINISHED FLOOR
□	DEMO.

**ABBREVIATIONS:**

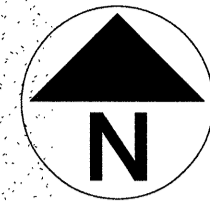
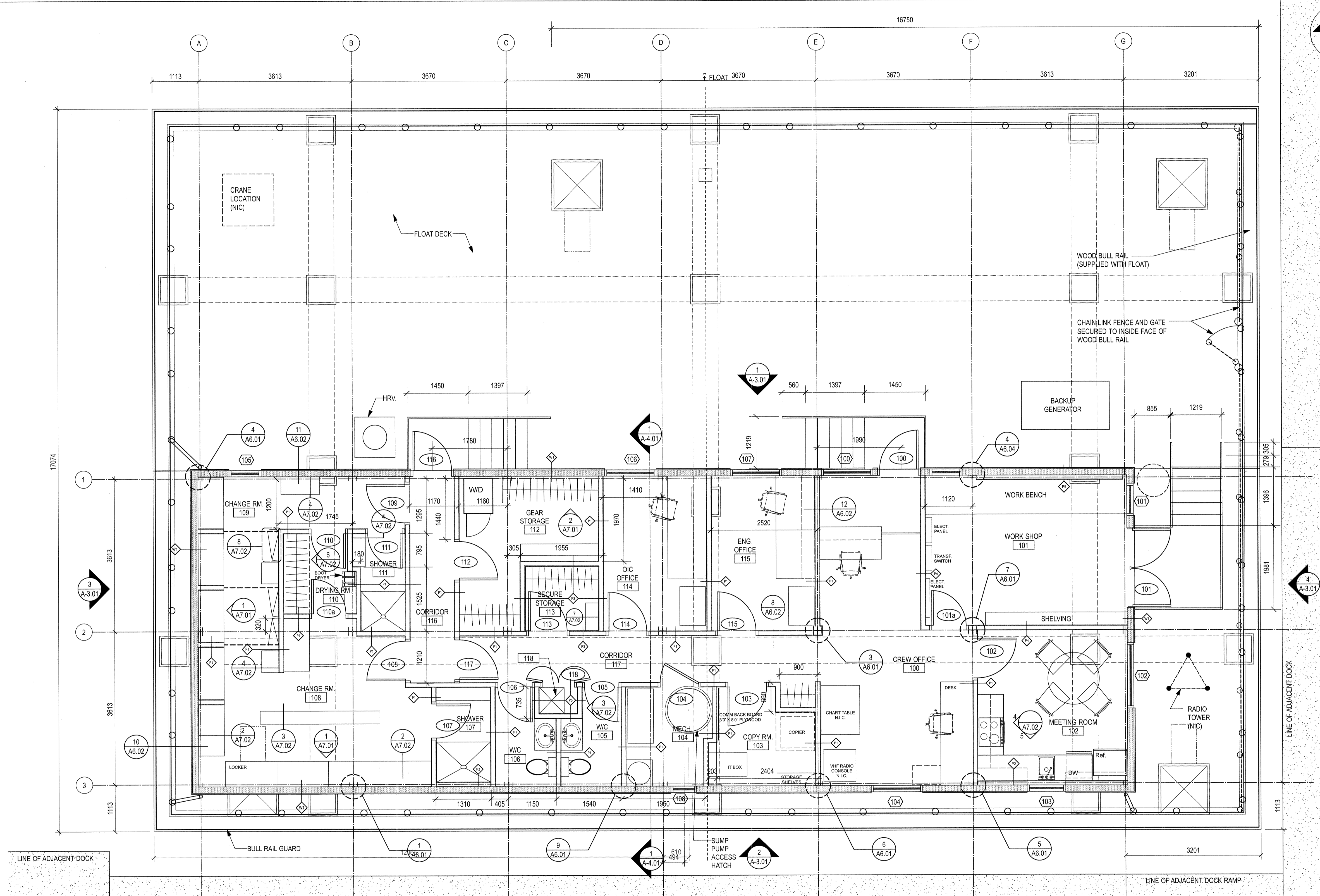
AB	AIR BARRIER	(N)	NEW
ACM	ASBESTOS CONTAINING MATERIAL	NCC	NON-COMBUSTIBLE CONSTRUCTION
ACT	ACOUSTIC CEILING TILE	N.I.C.	NOT IN CONTRACT
ALT.	ALTERNATE	N.T.S.	NOT TO SCALE
ALUM.	ALUMINUM	O.C.	ON CENTER
ANOD.	ANODIZED	OH	OVERHANG
A.F.F.	ABOVE FINISH FLOOR	OP	OPERABLE
APM	AIR PORT MANAGER	OP.P.	POURED IN PLACE
AS_VCT	ANTI-STATIC VINYL COMPOSITE TILE	PT.	PAINT
ATB	AIR TERMINAL BUILDING	P.O.	POWER OPERATOR
BLDG.	BUILDING	P.T.	PRESSURE TREATED
BSMT.	BASEMENT	RB	RUBBER BASE
CARP.	CARPET	RCP	REFLECTED CEILING PLAN
CARP. T.	CARPET TILE	RE & RE	REMOVE & RELOCATE / REINSTATE
CT.	CARPET TILE	RM.	ROOM
C.C.	CENTER TO CENTER	SAM	SELF ADHESIVE MEMBRANE
C.O.	CLEAN OUT	SAN	SANITARY
C.J.	CONTROL JOINT	SEP	SEPARATION
C/W	COMPLETE WITH	SG	SHEET GOODS FLOORING
CONC.	CONCRETE	SIM.	SIMILAR
(D)	DEMOLITION	S.O.G.	SLAB ON GRADE
D.G.	DOUBLE GLAZED	SQ.	SQUARE
D.R.	DEPARTMENTAL REPRESENTATIVE	S.S.	STAINLESS STEEL
(E)	EXISTING	ST	STEEL
ELECT.	ELECTRICAL	STRUCT.	STRUCTURAL
ELEV.	ELEVATION OR ELEVATOR	SV	SHEET VINYL
F.D.C.	FIRE DEPARTMENT CONNECTION	T.B.	THERMALLY BROKEN
F.E.	FIRE EXTINGUISHER	TBD	TO BE DETERMINED
F.E.C.	FIRE EXTINGUISHER CABINET	TC	TRANSPORT CANADA
FIN.	FINISH	T.G.	TRIPPLE GLAZED
FNDT.	FOUNDATION	THLD.	THRESHOLD
FRR	FIRE RESISTANCE RATING	T.O.	TOP OF
FTG	FOOTING	TYP.	TYPICAL
GWB	GYPSUM WALL BOARD	U.G.	UNDER GROUND
GA	GAUGE	U.N.O.	UNLESS NOTED OTHERWISE
G.I.	GALVANIZED	UIS	UNDERSIDE
H.D.	HIGH DENSITY	VB	VAPOUR BARRIER
H.M.	HOLLOW METAL	VERT.	VERTICAL
HDWR	HARDWARE	VCT	VINYL COMPOSITE TILE
HORIZ.	HORIZONTAL	W.	WITH
INSUL.	INSULATION	WD.	WOOD
MATL	MATERIAL	W/O	WITH OUT
MECH.	MECHANICAL	W.COV.	WALL COVERING
MEMB	MEMBRANE		
MB	MOISTURE BARRIER		
MIN.	MINIMUM OR MINUTES		

**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.

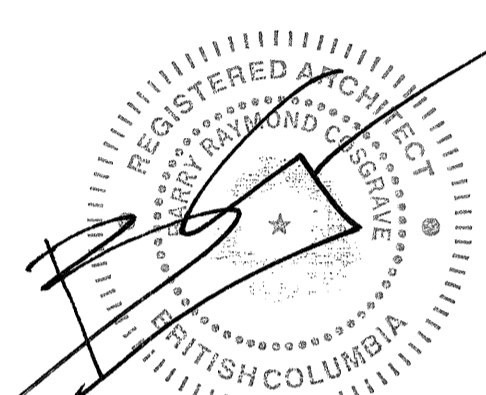






Public Works and Government Services Canada / Travaux publics et Services gouvernementaux Canada

REAL PROPERTY SERVICES Pacific Region / SERVICES IMMOBILIERS Région de Pacifique



Revision/Revision	Description/Description	Date/Date
3	TENDER	2016-19-19
2	95% REVIEW	2016-08-16
1	66% REVIEW	2016-07-25

FISHERIES AND OCEANS,  
REAL PROPERTY,  
SAFETY AND SECURITY

VANCOUVER, BC  
200-401 BURREARD ST.

Project title/Titre du projet  
**705 ISLAND HIGHWAY  
CAMPBELL RIVER, B.C.**

**CAMPBELL RIVER  
SAR STATION**

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Drawn by/Dessiné par  
**CM**

PWSSC Project Manager/Administrateur de Projets TPSSC  
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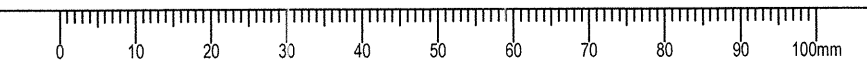
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Gestionnaire régionale, Services d'architecture et de génie, TPSSC  
**PREETIPAL PAUL**

Drawing title/Titre du dessin

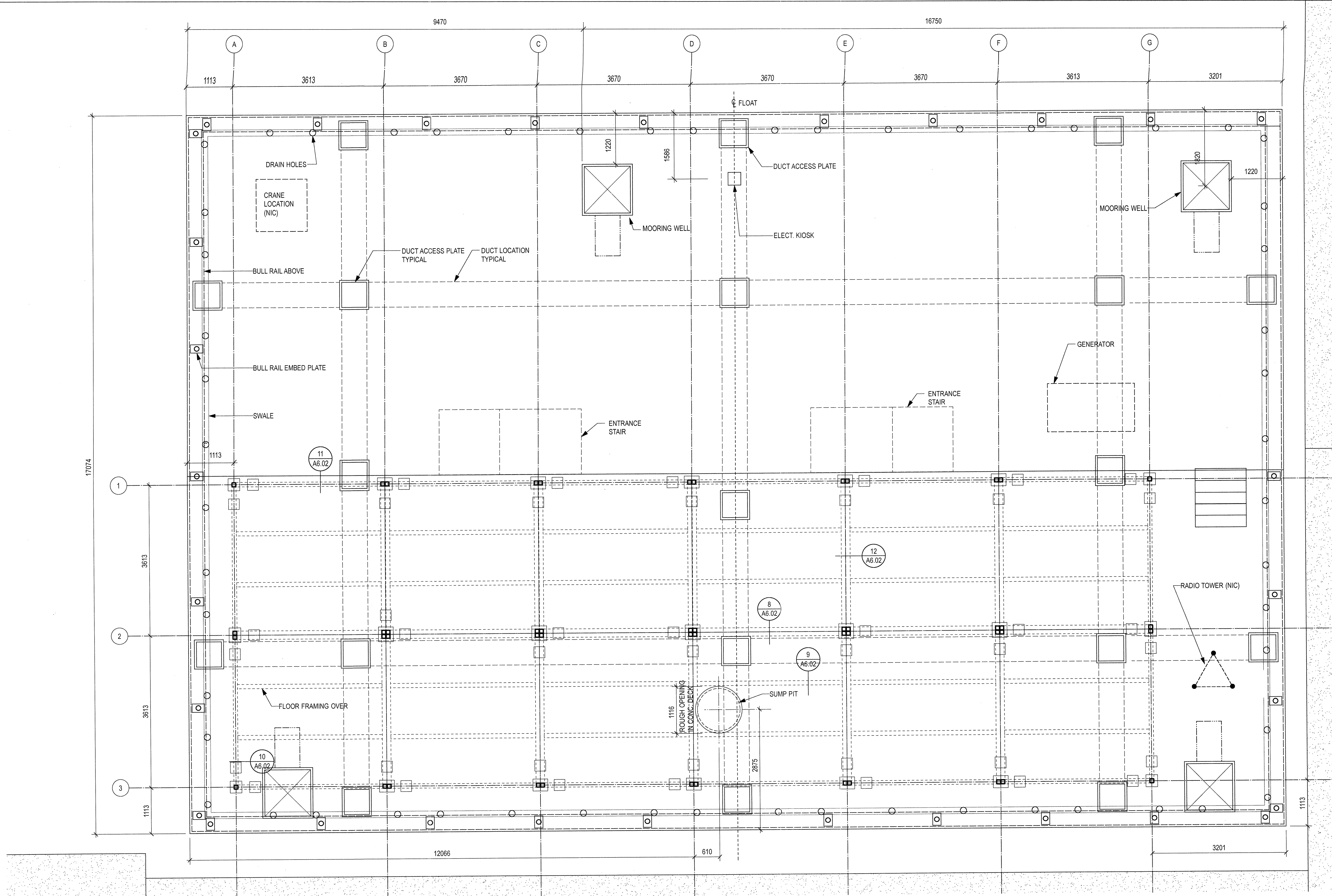
**FLOOR PLAN**

Project No./No. du projet	Sheet/ Feuille	Revision no./ La Révision no.
<b>R.000000.000</b>	<b>A2.01</b>	<b>A</b>
	OF	

**1 FLOOR PLAN**  
A2.01 SCALE: 1:50

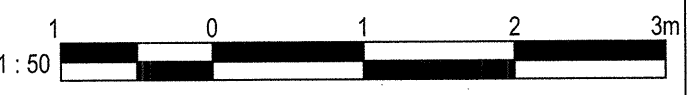
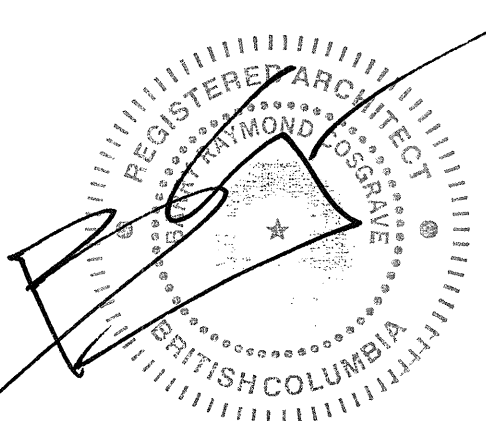
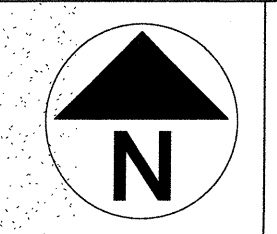


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1 FLOAT PLAN  
A2.02 SCALE: 1:50

NOTE:  
DUAL TYPE II-STD FLOATS,  
SIDE BY SIDE MONOLITHIC  
CONC. POUR TO ATTACH  
FLOATS.



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3	TENDER	2016-19-19
2	95% REVIEW	2016-08-15
1	66% REVIEW	2016-07-25

Client/client  
**FISHERIES AND OCEANS,  
REAL PROPERTY,  
SAFETY AND SECURITY**  
VANCOUVER, BC  
200-401 BURRARD ST.

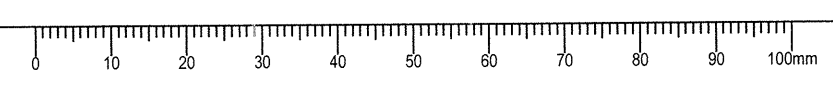
Project title/Titre du projet  
**705 ISLAND HIGHWAY  
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**CAMPBELL RIVER  
SAR STATION**

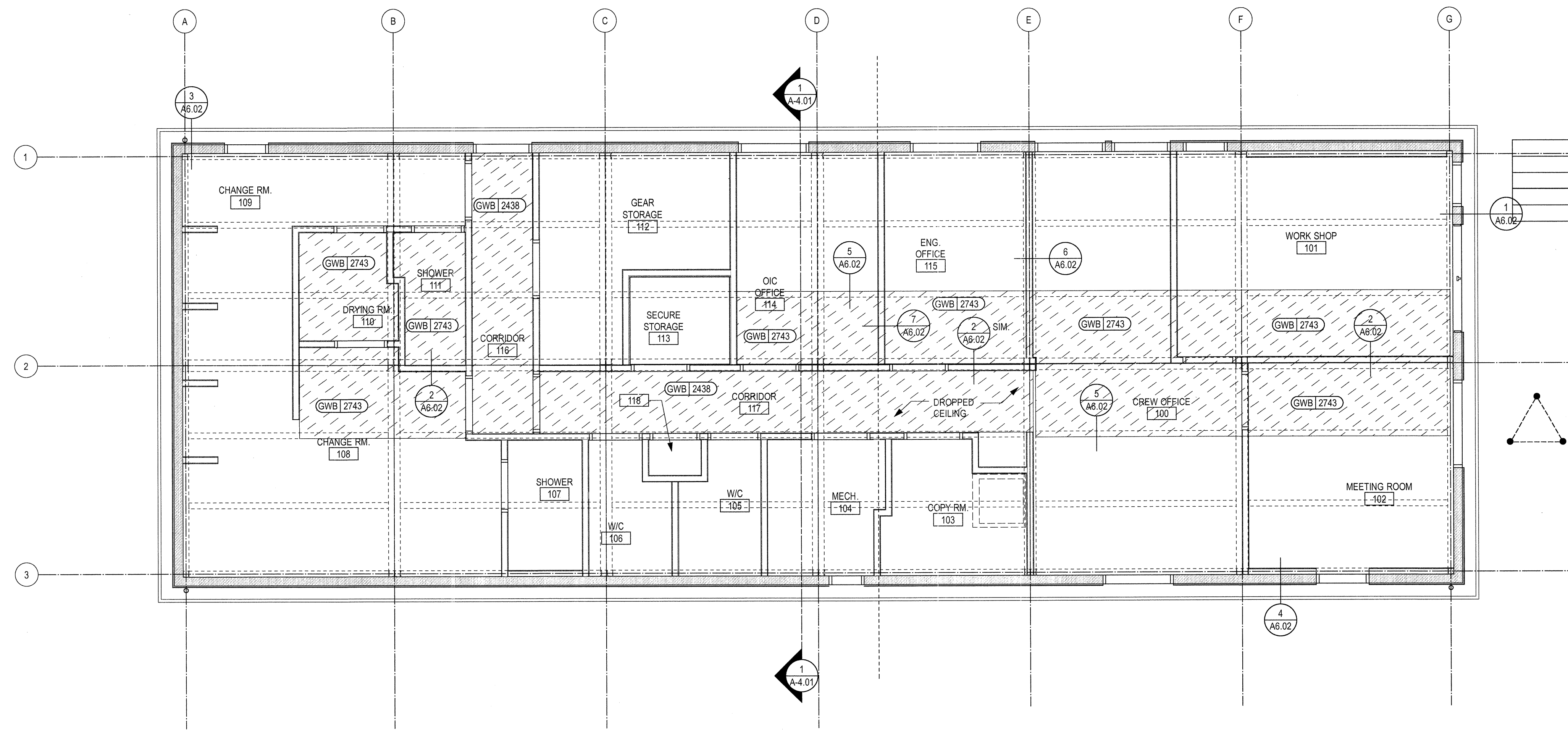
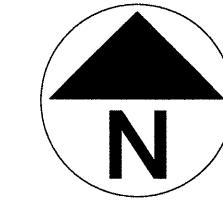
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PWGSC Regional Manager, Architectural and Engineering Services/  
Gestionnaire régional, Services d'architecture et de génie, TPSGC  
**PREETIPAL PAUL**  
Drawing title/Titre du dessin

**FLOAT PLAN**

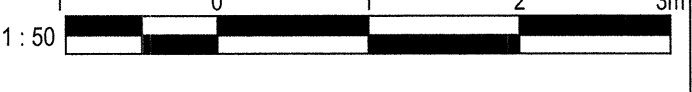
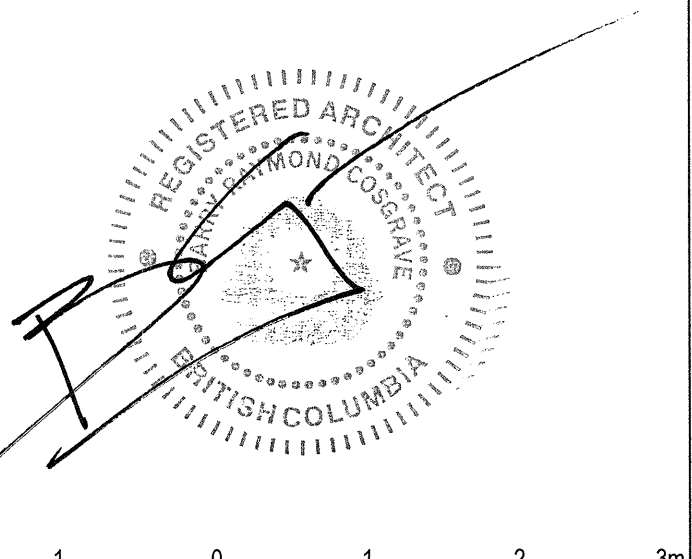
Project No./No. du projet	Sheet/ Feuille	Revision no./ La Révision no.
R.000000.000	<b>A2.02</b>	<b>A</b>
OF		







**1 REFLECTED CEILING PLAN**  
 A2.03 SCALE: 1:50



Revision / Révision	Description / Description	Date / Date
3	TENDER	2016-10-19
2	95% REVIEW	2016-08-15
1	66% REVIEW	2016-07-25

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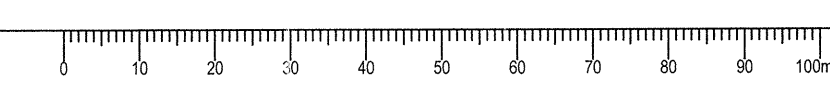
PWGS/SC Project Manager/Administrateur de Projets TPSGC  
**---**

PWGS/SC Regional Manager, Architectural and Engineering Services/  
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**PREETIPAL PAUL**

Drawing title/Titre du dessin

**REFLECTED CEILING PLAN**

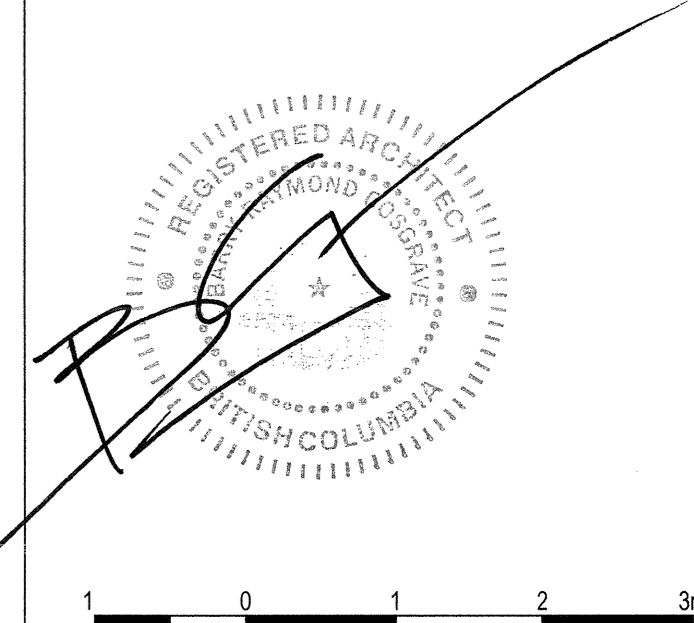
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<b>R.000000.000</b>	<b>A2.03</b>	<b>A</b>
OF		





**KEY NOTES:**

- ① HARDI PLANK SIDING
- ② METAL ROOF
- ③ ALUMINUM GUTTER & DOWN SPOUT
- ④ ALUM. STAIRS & RAILINGS
- ⑤ NOT USED
- ⑥ ALUM. FLASHING
- ⑦ HARDI TRIM SMOOTH



Revision/Revision	Description/Description	Date/Date
3	TENDER	2016-18-19
2	95% REVIEW	2016-06-15
1	66% REVIEW	2016-07-25

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**VANCOUVER, BC**  
**200-401 BURRARD ST.**

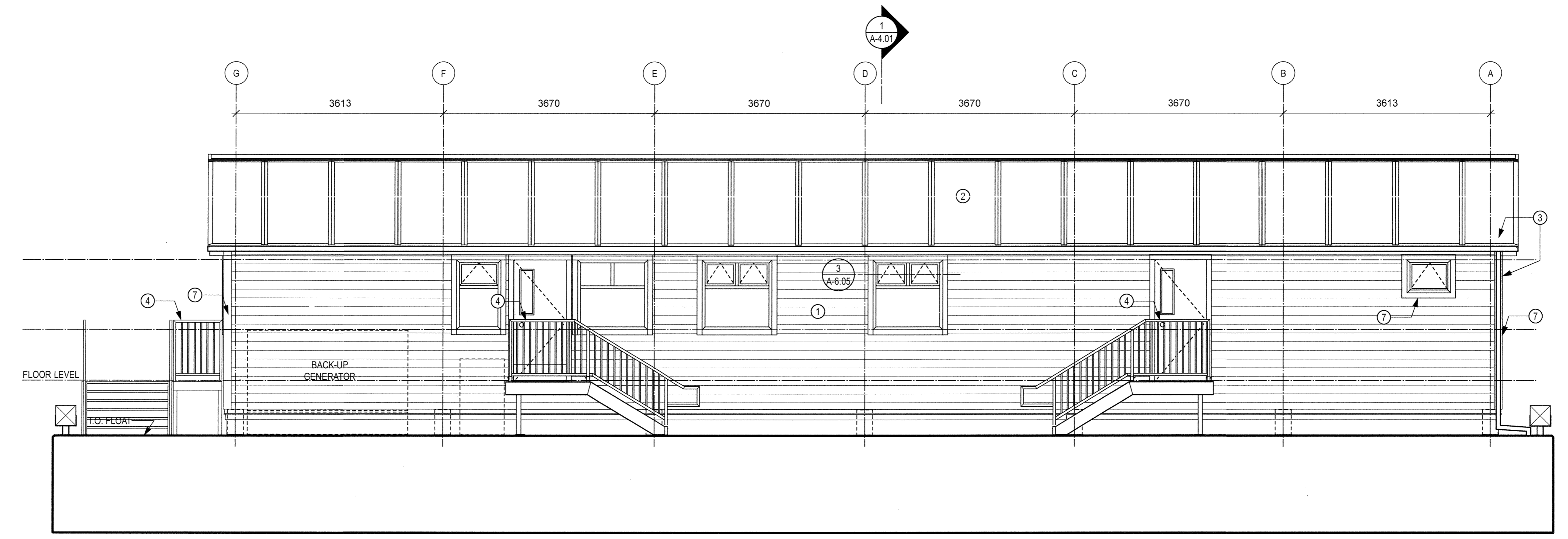
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**CAMPBELL RIVER SAR STATION**

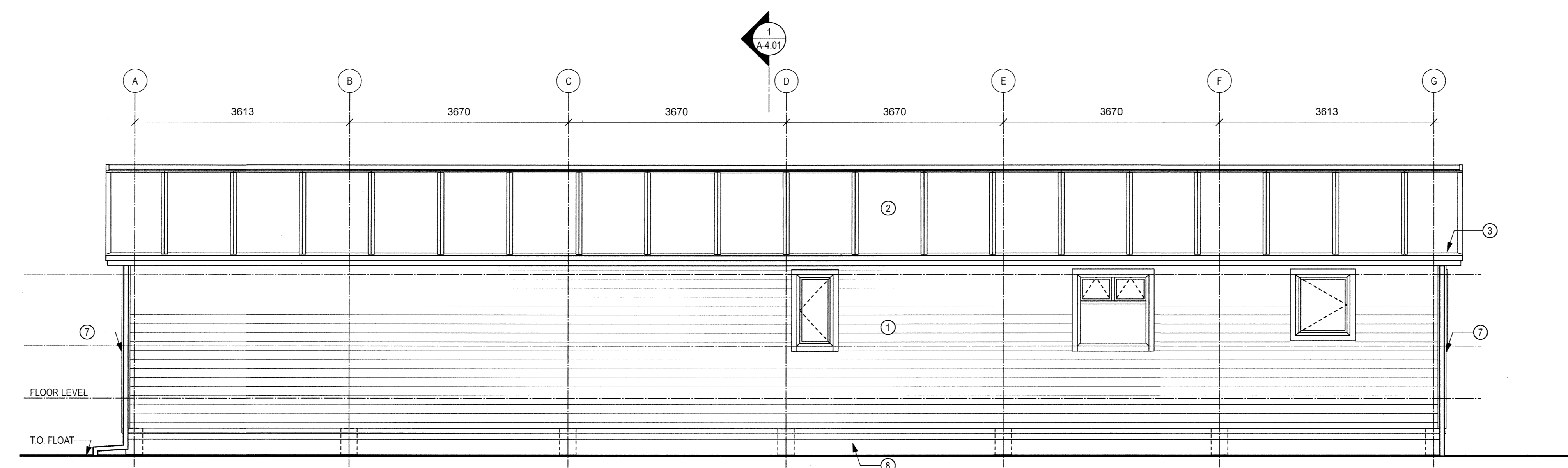
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 Drawn by/Dessine par **CM**  
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 PWGSC, Regional Manager, Architectural and Engineering Services/  
 Gestionnaire régionale, Services d'architectural et de génie, TPSGC  
**PREETIPAL PAUL**

**EXTERIOR ELEVATIONS**

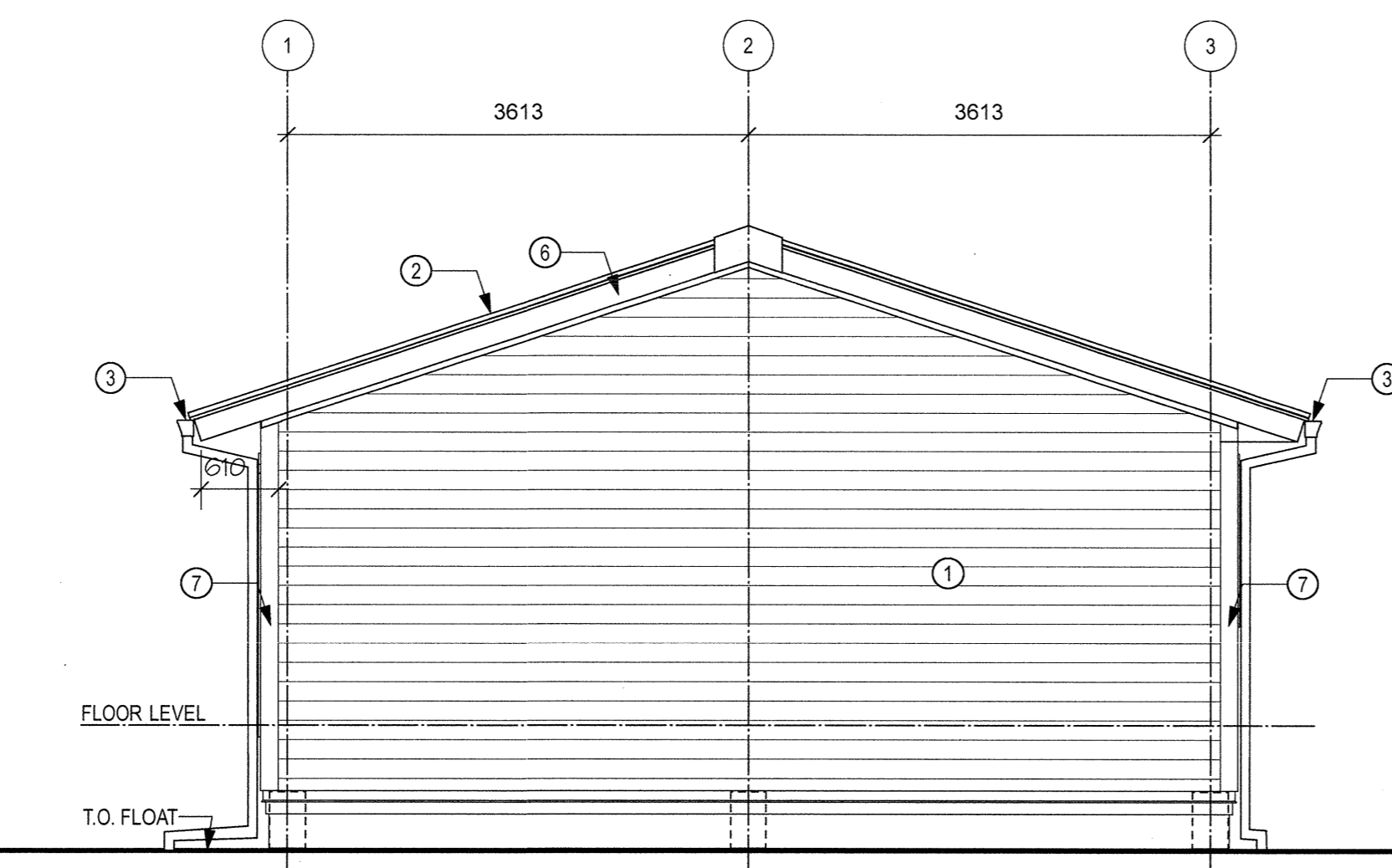
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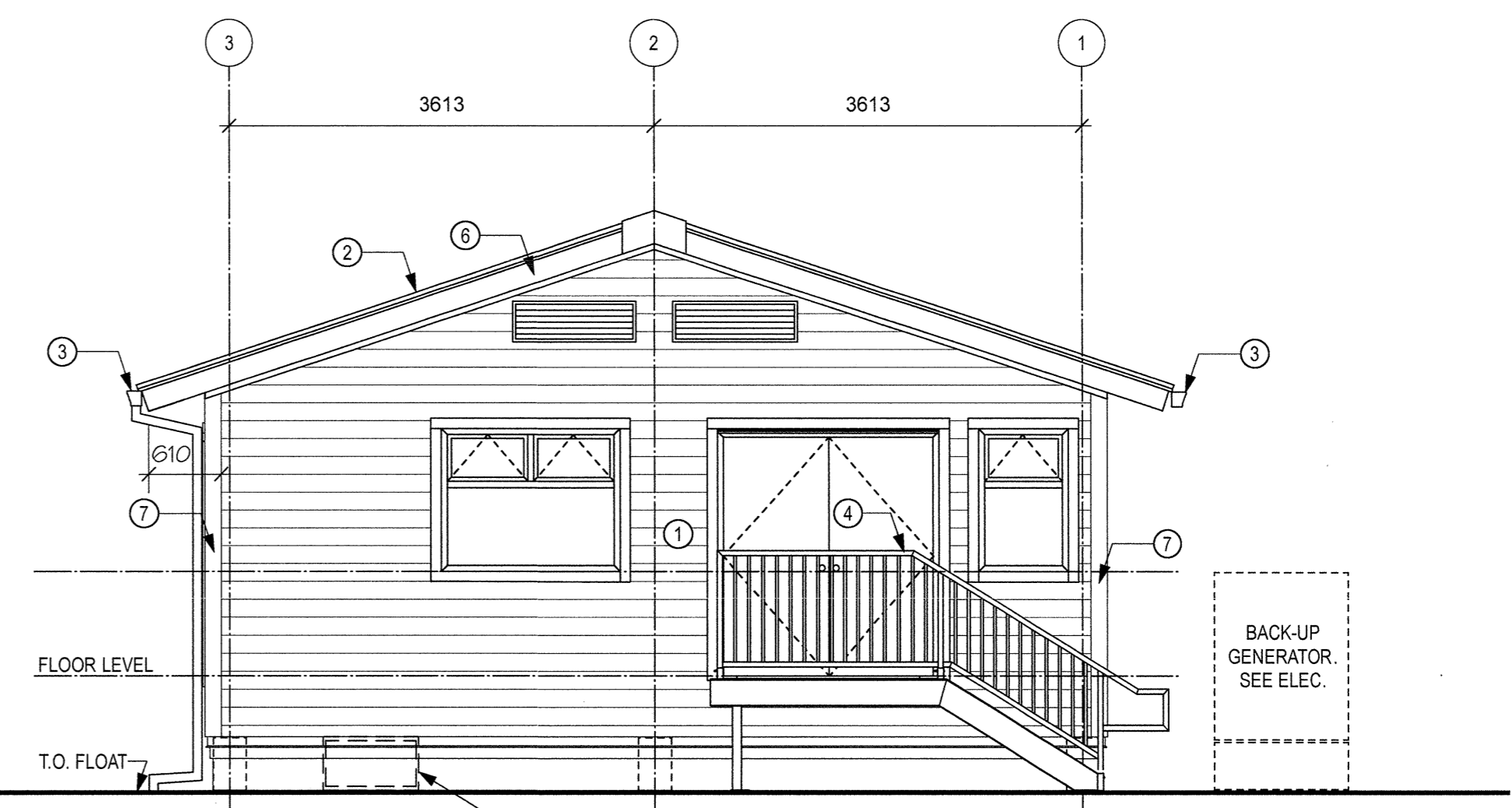
**1 FRONT ELEVATION**  
 A3.01 SCALE: 1:50



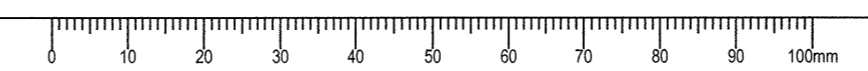
**2 BACK ELEVATION**  
 A3.01 SCALE: 1:50



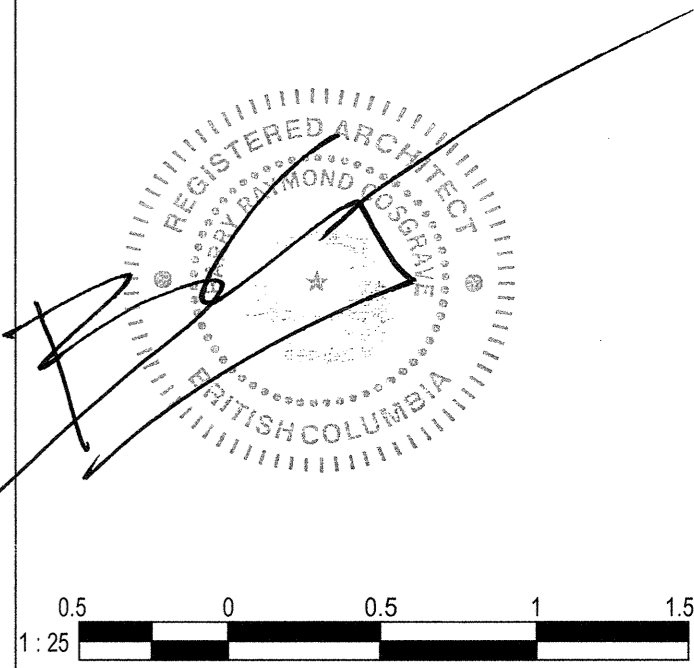
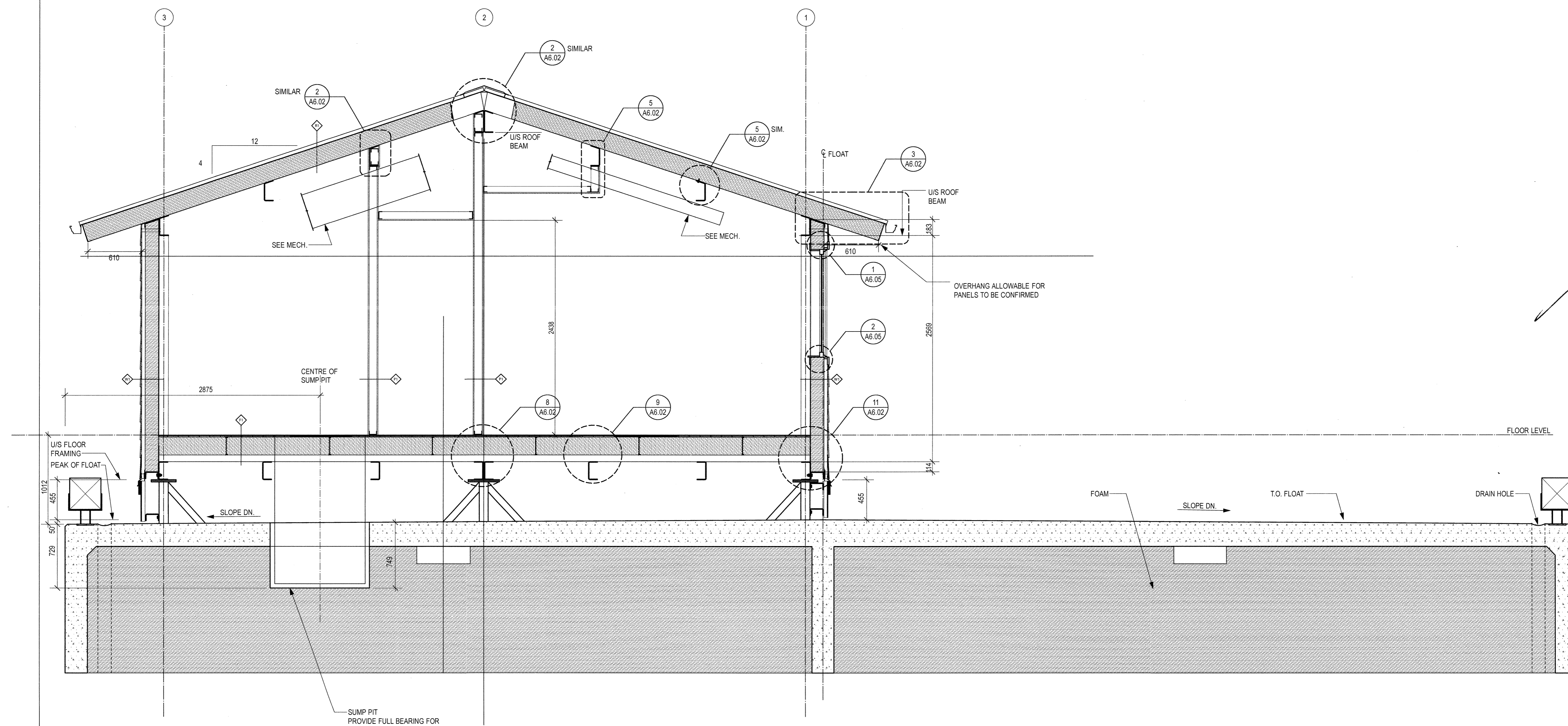
**3 RIGHT SIDE ELEVATION**  
 A3.01 SCALE: 1:50



**4 LEFT SIDE ELEVATION**  
 A3.01 SCALE: 1:50







3	TENDER	2016-19-19
2	95% REVIEW	2016-08-15
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**CAMPBELL RIVER SAR STATION**

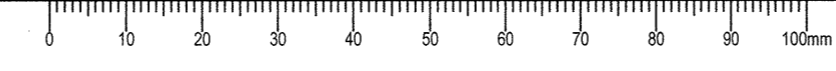
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 Drawn by/Dessiné par  
**CM**  
 PWGSC Project Manager/Administrateur de Projets TPSGC  
 PWGSC, Regional Manager, Architectural and Engineering Services/  
 Gestionnaire régionale, Services d'architecture et de génie, TPSGC  
**PREETIPAL PAUL**  
 Drawing title/Titre du dessin

**SECTIONS**

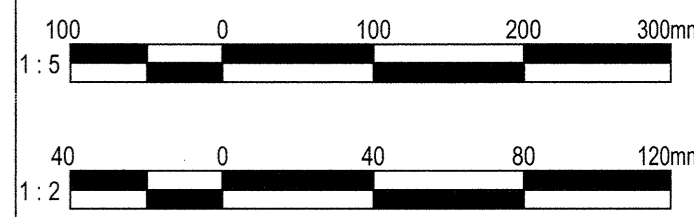
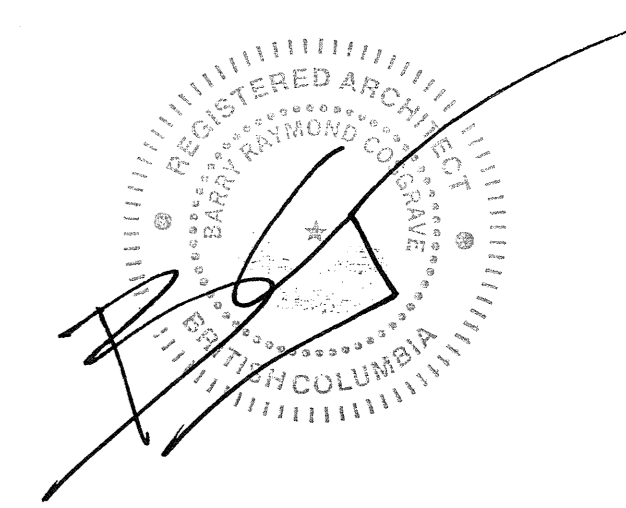
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3	TENDER	2016-09-19
2	95% REVIEW	2016-08-15
1	65% REVIEW	2016-07-25
Revision/Revision	Description/Description	Date/Date

Client/client  
**FISHERIES AND OCEANS, REAL PROPERTY, SAFETY AND SECURITY**  
**VANCOUVER, BC**  
**200-401 BURRARD ST.**

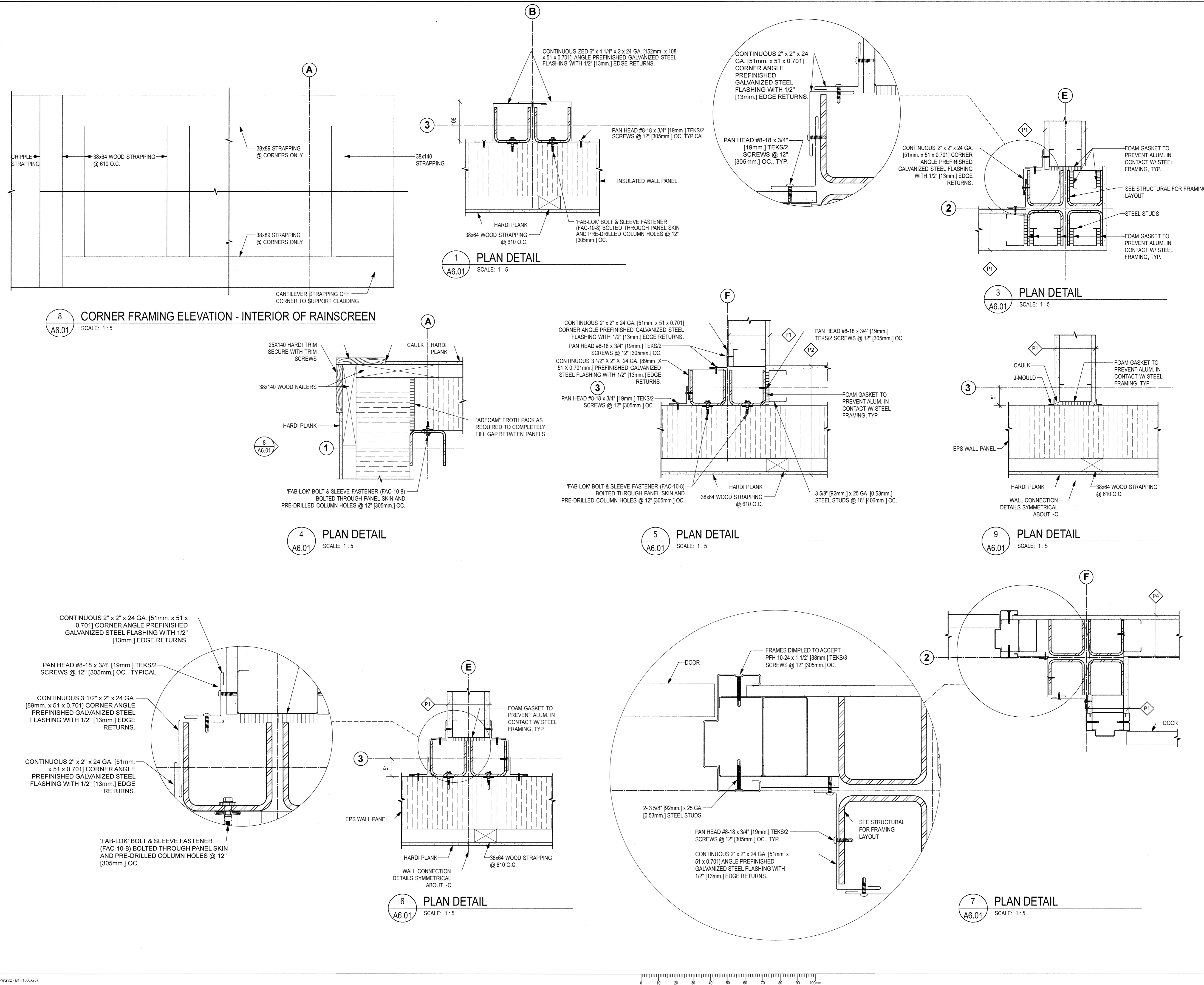
Project title/Titre du projet  
**705 ISLAND HIGHWAY CAMPBELL RIVER, B.C.**

**CAMPBELL RIVER SAR STATION**

Consultant Signature Box Only  
 Designed by/Concept par **RH**  
 Drawn by/Dessiné par **CM**  
 PWGSC Project Manager/Administrateur de Projets TPSGC  
 --  
 PWGSC Regional Manager/Architectural and Engineering Services/ Gestionnaire régional, Services d'architecture et de génie, TPSGC  
**PREETIPAL PAUL**  
 Drawing title/Titre du dessin

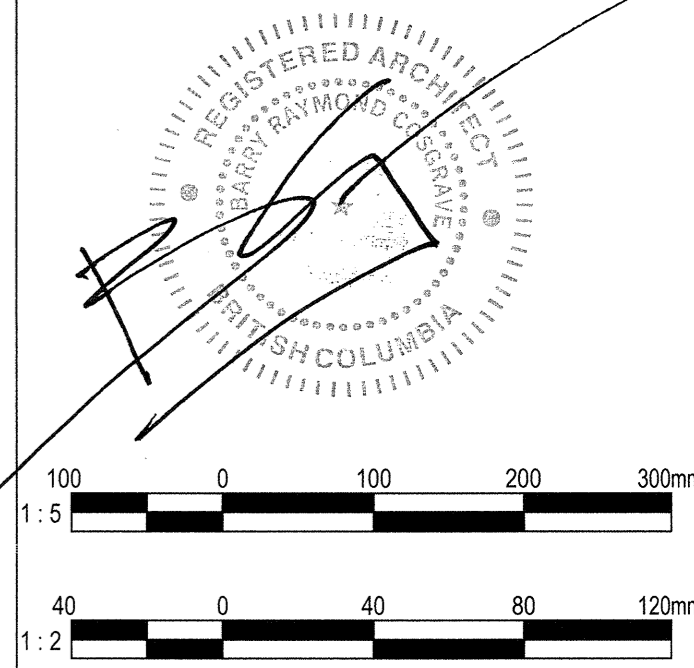
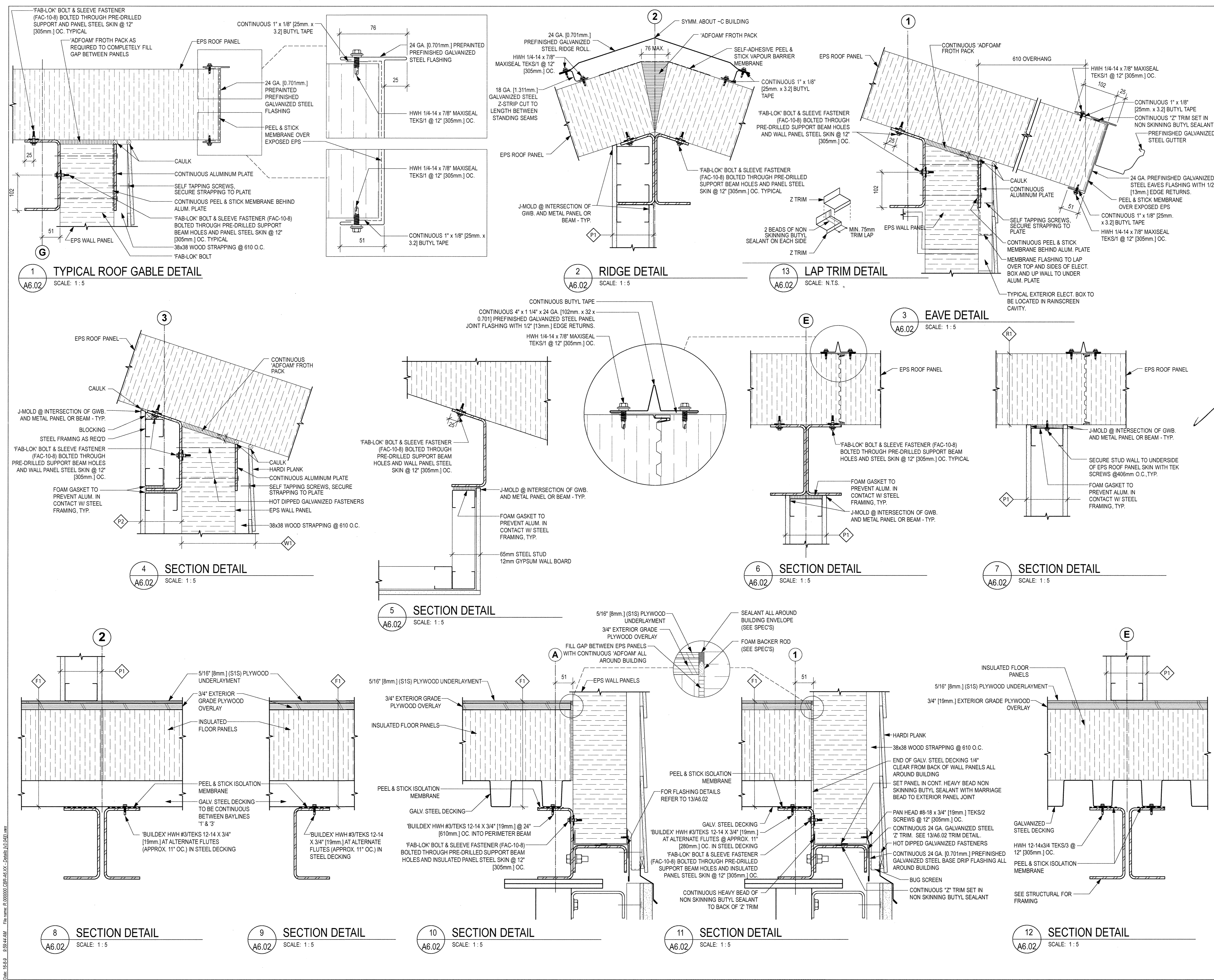
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Project No./No. du projet	Sheet/ Feuille	Revision no./ La Révision no.
<b>2016520</b>	<b>A6.01</b>	<b>2</b>
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 PWGSC - B1 - 1000/07





3	TENDER	2016-09-19
2	96% REVIEW	2016-08-15
1	68% REVIEW	2016-07-25
Revision/	Description/Description	Date/Date
Revision		

**FISHERIES AND OCEANS,  
REAL PROPERTY,  
SAFETY AND SECURITY**

VANCOUVER, BC  
200-401 BURRARD ST.

Project title/Titre du projet  
**705 ISLAND HIGHWAY  
CAMPBELL RIVER, B.C.**

**CAMPBELL RIVER  
SAR STATION**

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Designed by/Concept par  
**RH**

Drawn by/Dessiné par  
**CM**

PWGSC Project Manager/Administrateur de Projets TPSGC  
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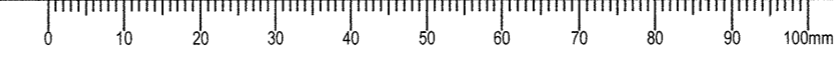
PWGSC Regional Manager, Architectural and Engineering Services/  
Gestionnaire régional, Services d'architecture et de génie, TPSGC  
**PREETIPAL PAUL**

Drawing title/Titre du dessin

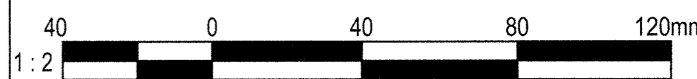
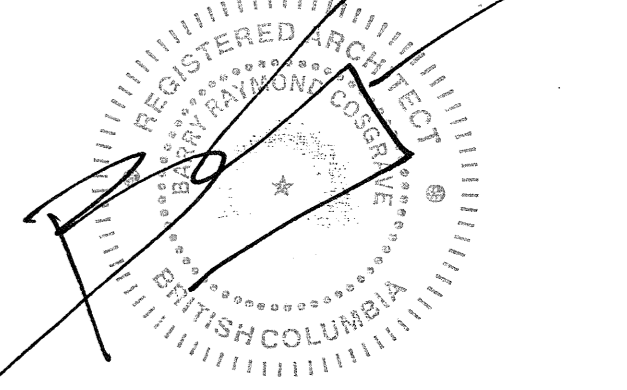
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 PWGSC - 81 - 1000X707







Revision/	Description/Description	Date/Date
3	TENDER	2018-09-19
2	95% REVIEW	2018-08-15
1	66% REVIEW	2018-07-25

Client/Client

**FISHERIES AND OCEANS,  
REAL PROPERTY,  
SAFETY AND SECURITY**

VANCOUVER, BC  
200-401 BURRARD ST.

Project title/Titre du projet  
**705 ISLAND HIGHWAY  
CAMPBELL RIVER, B.C.**

**CAMPBELL RIVER  
SAR STATION**

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Designed by/Concept par  
RH

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CM

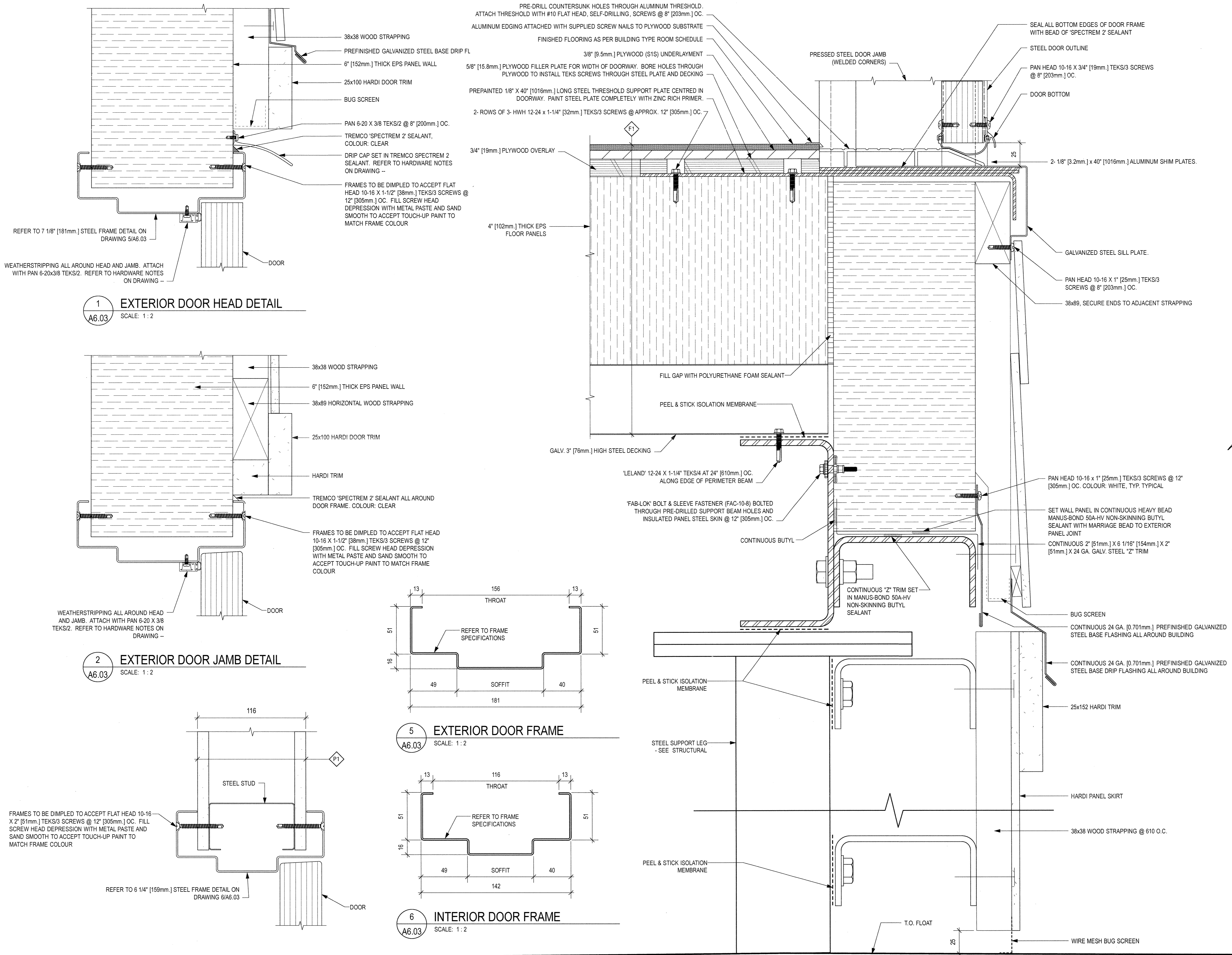
PWSSC Project Manager/Administrateur de Projets TPSGC

PWSSC Regional Manager, Architectural and Engineering Services/  
Gestionnaire Régionale, Services d'architectural et de génie, TPSGC  
**PREETIPAL PAUL**

Drawing title/Titre du dessin

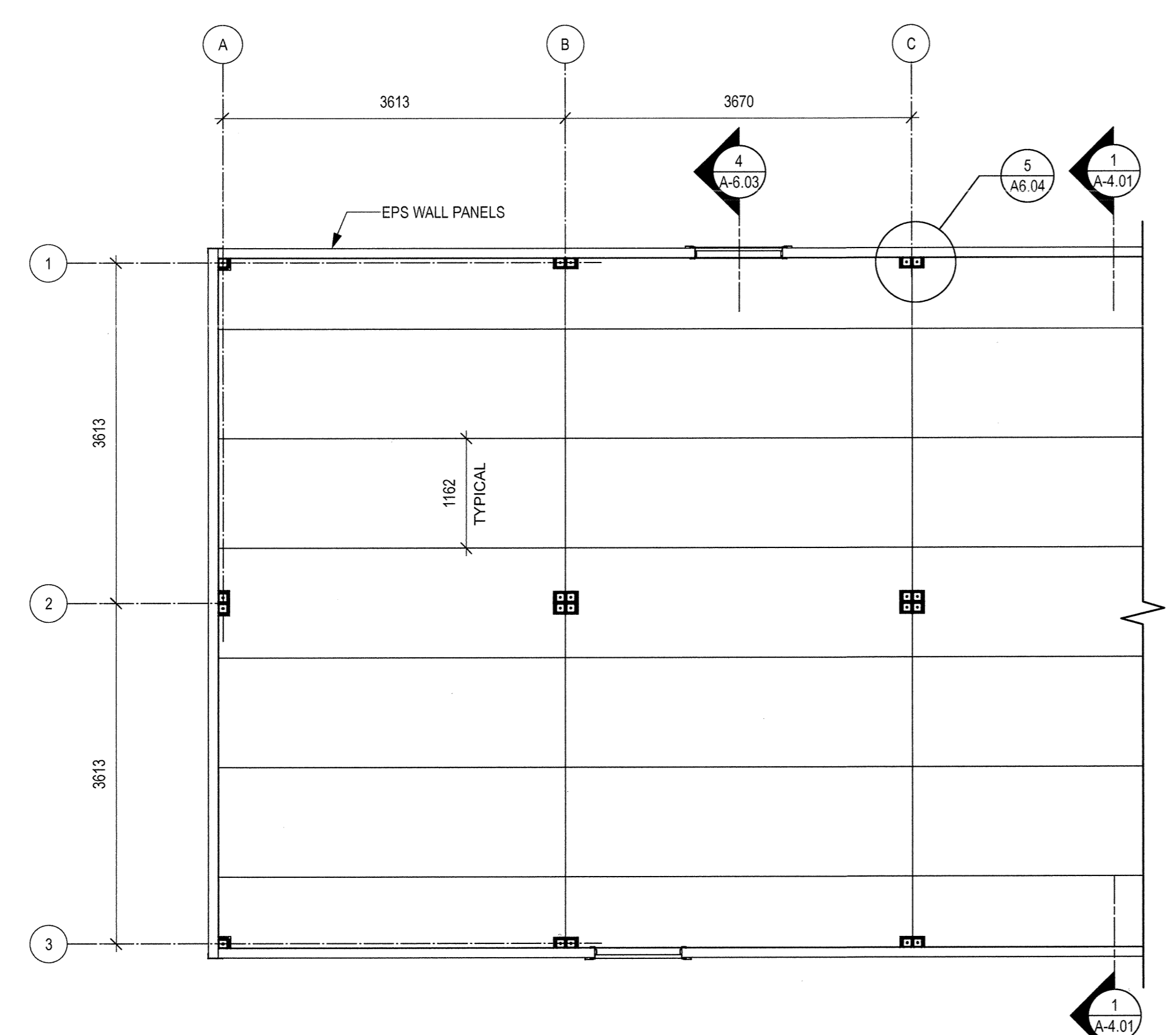
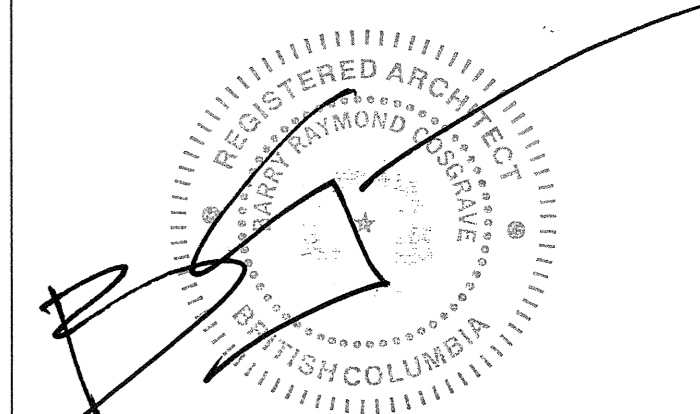
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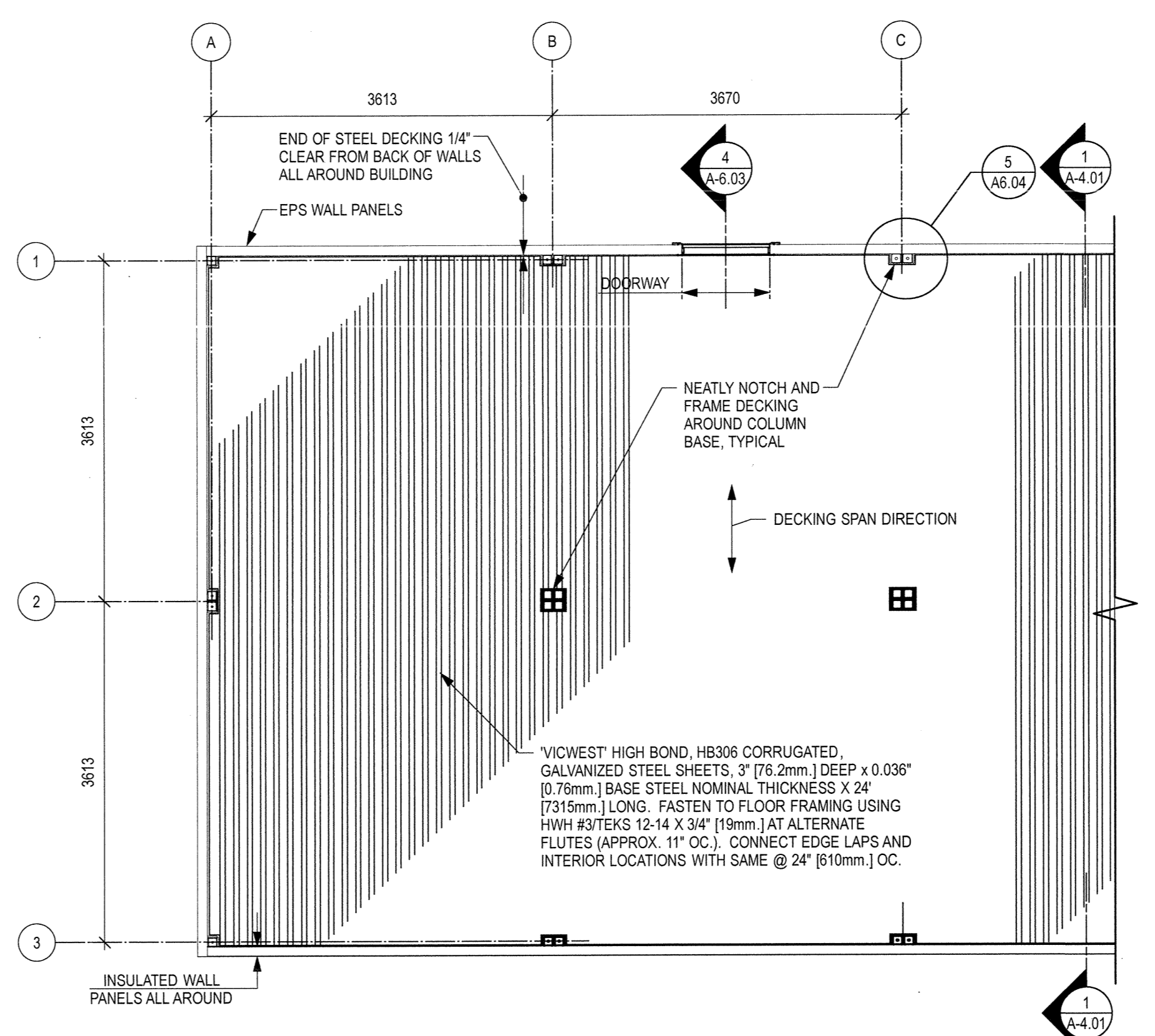


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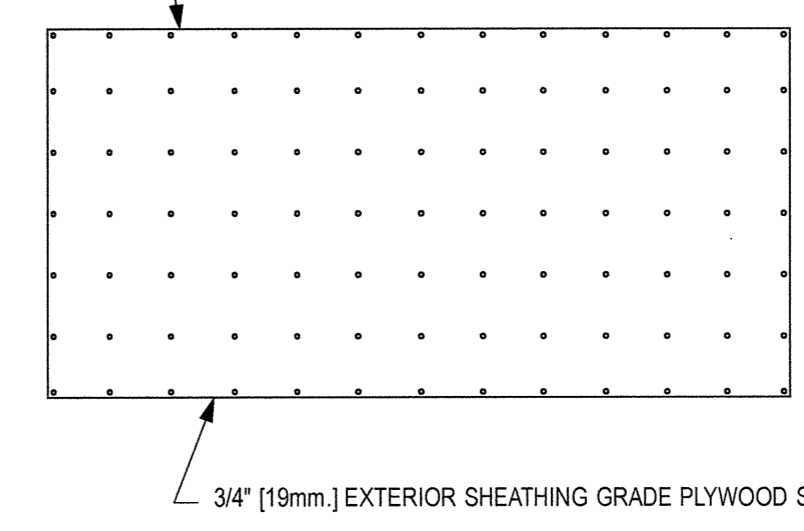


**1 INSULATED PANEL FLOOR PLAN - TYPICAL LAYOUT**  
 A6.04 SCALE: 1:50

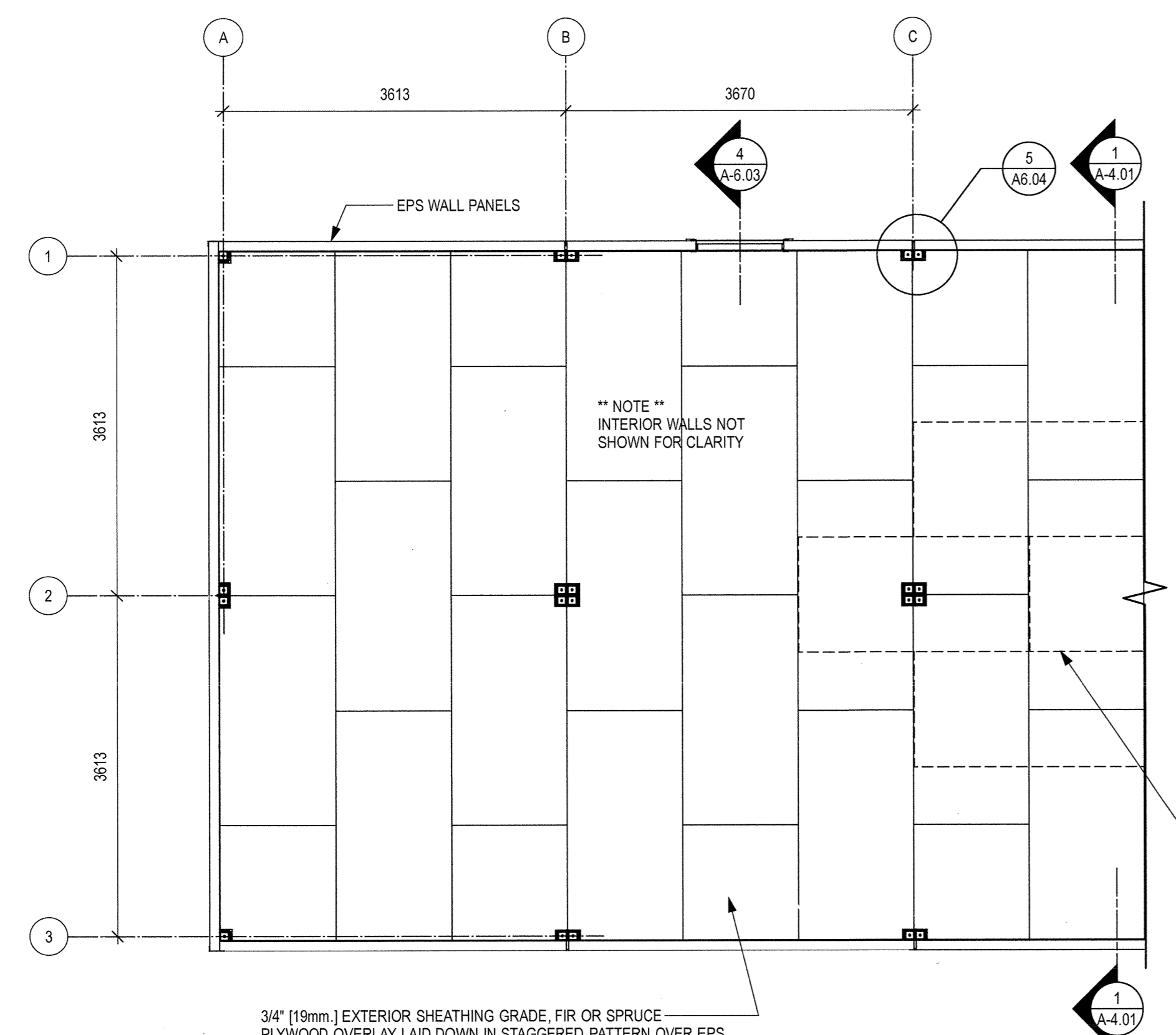
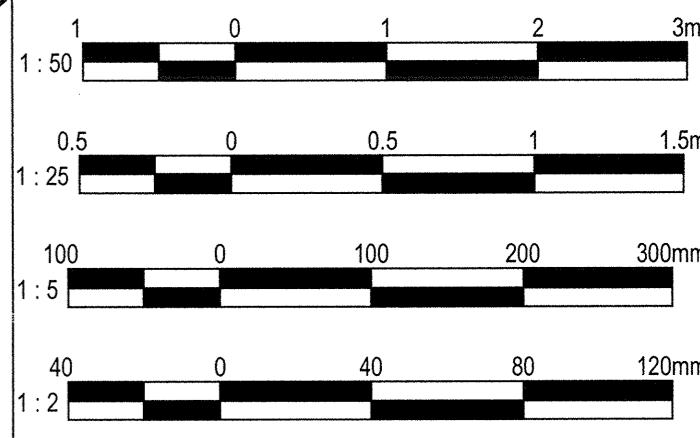


**2 CORRUGATED STEEL DECKING PLAN**  
 A6.04 SCALE: 1:50

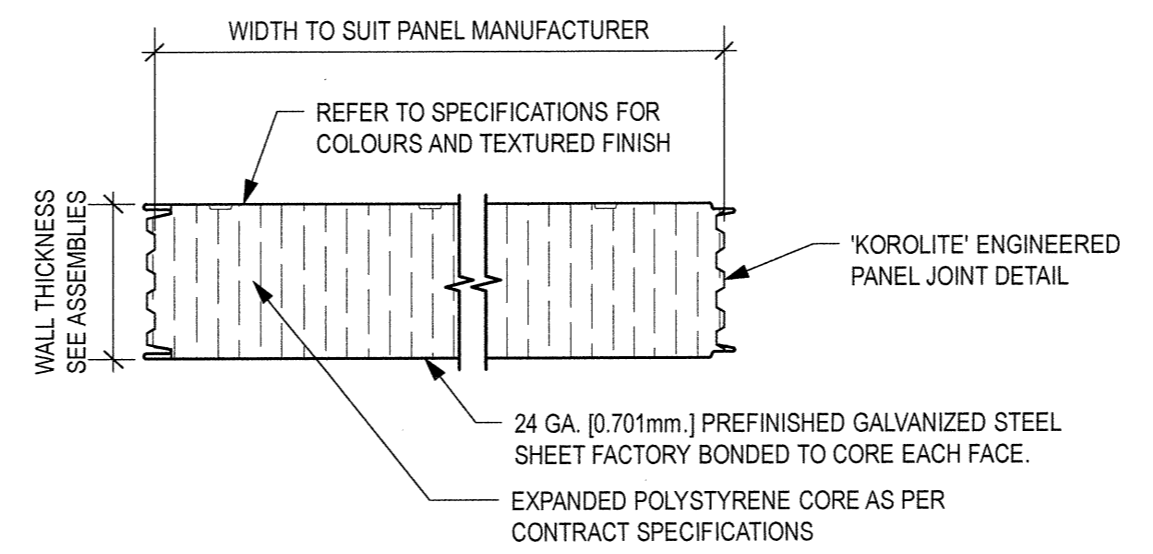
COURSE THREAD TYPE 'W', #6-9 x 1-5/8" [41mm.] #2 PHILLIPS DRIVE, BUGLE HEAD DRYWALL SCREWS WITH BLACK PHOSPHATE FINISH @ 8" [203mm.] EACH WAY. FASTEN SCREWS USING TORQUE LIMITING SCREW GUN TO SET SCREW HEADS 1/32" [0.8-1.0mm] BELOW PLYWOOD SURFACE. THE SCREW THREADS SHALL EXTEND THROUGH THE TOP 24 GA. STEEL SKIN OF EPS FLOOR PANEL.



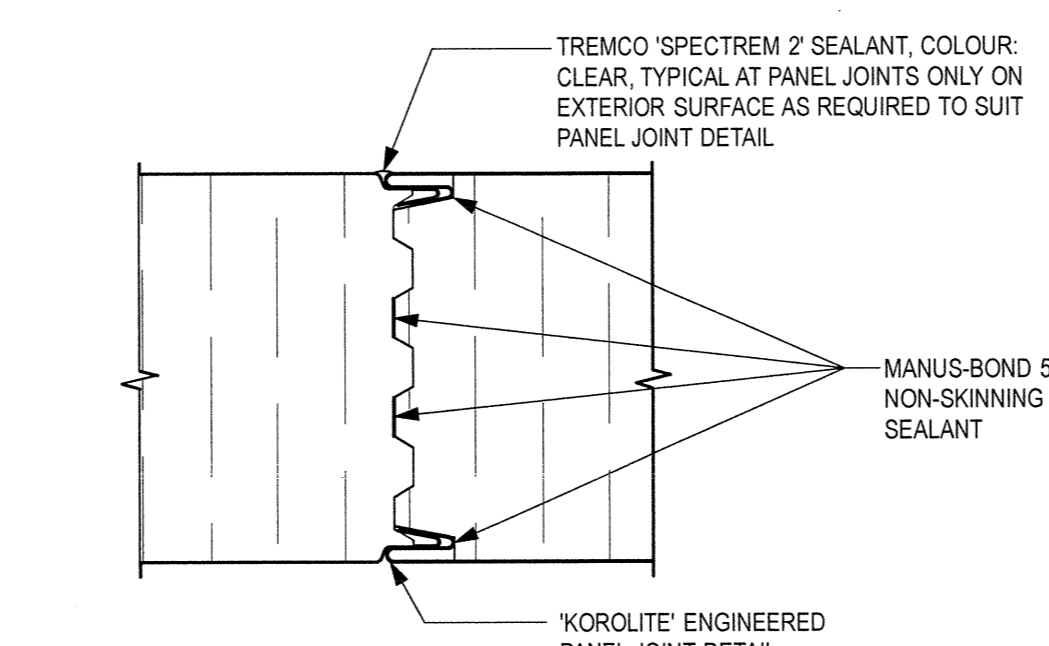
**8 TYPICAL PLYWOOD PANEL FASTENING**  
 A6.04 SCALE: 1:25



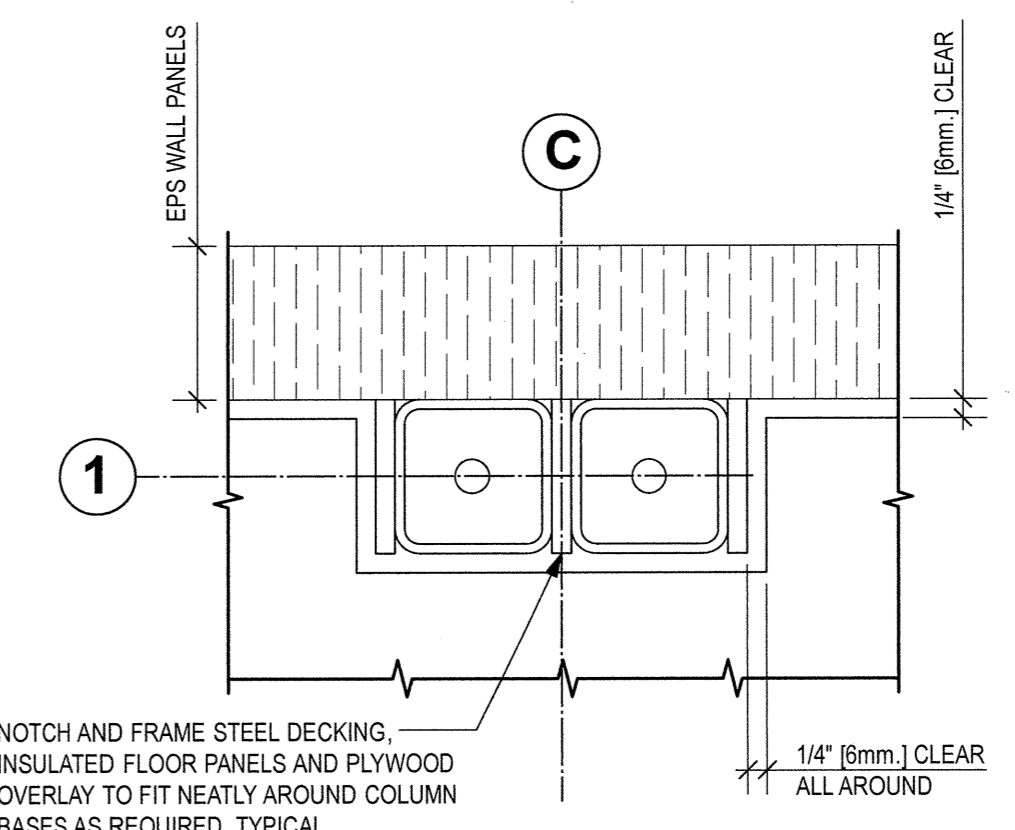
**3 PLYWOOD OVERLAY PLAN**  
 A6.04 SCALE: 1:50



**6 TYPICAL INSULATED EXTERIOR AND INTERIOR WALL PANEL**  
 A6.04 SCALE: 1:5



**7 WALL PANEL JOINT DETAIL**  
 A6.04 SCALE: 1:2



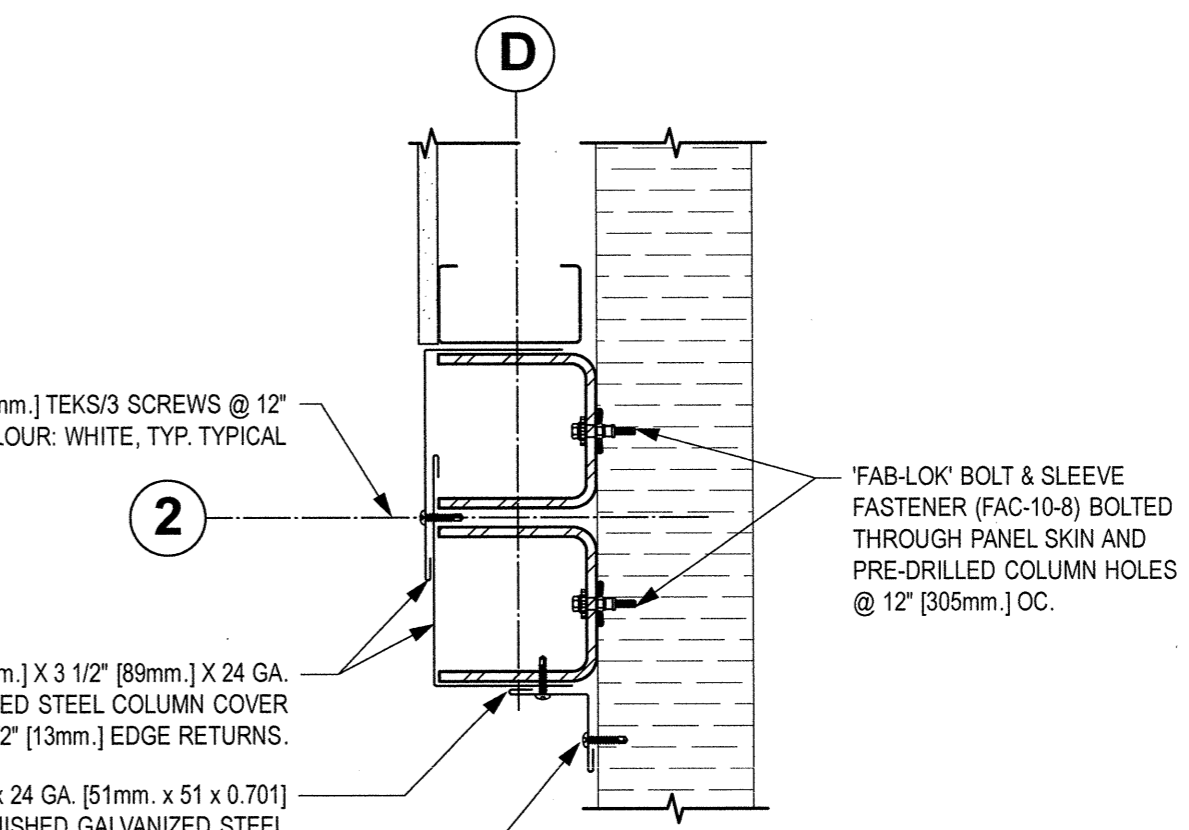
**5 DETAIL**  
 A6.04 SCALE: 1:5

3/8" [9.5mm.] (S1S) PLYWOOD UNDERLAYMENT (NOT ALL DASHED LINES SHOWN) STAPLED TO 3/4" [19mm.] PLYWOOD OVERLAY (SANDED SIDE FACING UP) THROUGHOUT ENTIRE AREA. UNDERLAYMENT PANELS SHALL BE NAILED OR STAPLED ALONG PANEL EDGES EVERY 4" [100mm.] AND EVERY 6" [150mm.] EACH WAY FOR PANEL INTERIOR. USE 25mm. RING GROOVED UNDERLAY FLOORING NAILS OR 28mm. LONG STAPLES WITH 5mm. CROWNS AND NOT LESS THAN 1.2mm. 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.

PAN HEAD 10-16 x 1" [25mm.] TEKS/G SCREWS @ 12" [305mm.] OC. COLOUR: WHITE, TYP. TYPICAL

CONTINUOUS 5" [127mm.] X 3 1/2" [89mm.] X 24 GA. PREFINISHED GALVANIZED STEEL COLUMN COVER FLASHING WITH 1/2" [13mm.] EDGE RETURNS.  
 CONTINUOUS 2" x 2" x 24 GA. [51mm. x 51 x 0.701] CORNER ANGLE PREFINISHED GALVANIZED STEEL FLASHING WITH 1/2" [13mm.] EDGE RETURNS.

PAN HEAD 10-16 x 1" [25mm.] TEKS/G SCREWS @ 12" [305mm.] OC. COLOUR: WHITE, TYP. TYPICAL



**4 DETAIL**  
 A6.04 SCALE: 1:5

Revision/Revision	Description/Description	Date/Date
3	TENDER	2016-09-19
2	95% REVIEW	2016-08-15
1	66% REVIEW	2016-07-25

Client/client  
**FISHERIES AND OCEANS, REAL PROPERTY, SAFETY AND SECURITY**  
 VANCOUVER, BC  
 200-401 BURRARD ST.

Project title/Titre du projet  
**705 ISLAND HIGHWAY CAMPBELL RIVER, B.C.**

**CAMPBELL RIVER SAR STATION**

Consultant Signature Box Only

Designed by/Concept par  
**RH**

Drawn by/Dessine par  
**CM**

PWGSC Project Manager/Administrateur de Projets TPSGC

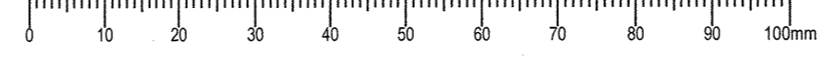
PWGSC Regional Manager, Architectural and Engineering Services/ Gestionnaire régionale, Services d'architecture et de génie, TPSGC  
**PREETIPAL PAUL**

Drawing title/Titre du dessin

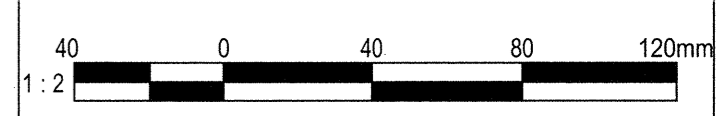
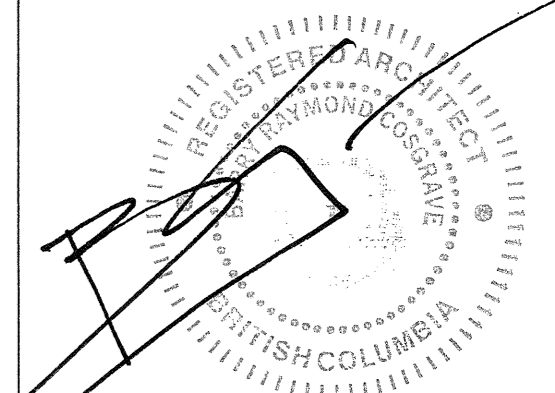
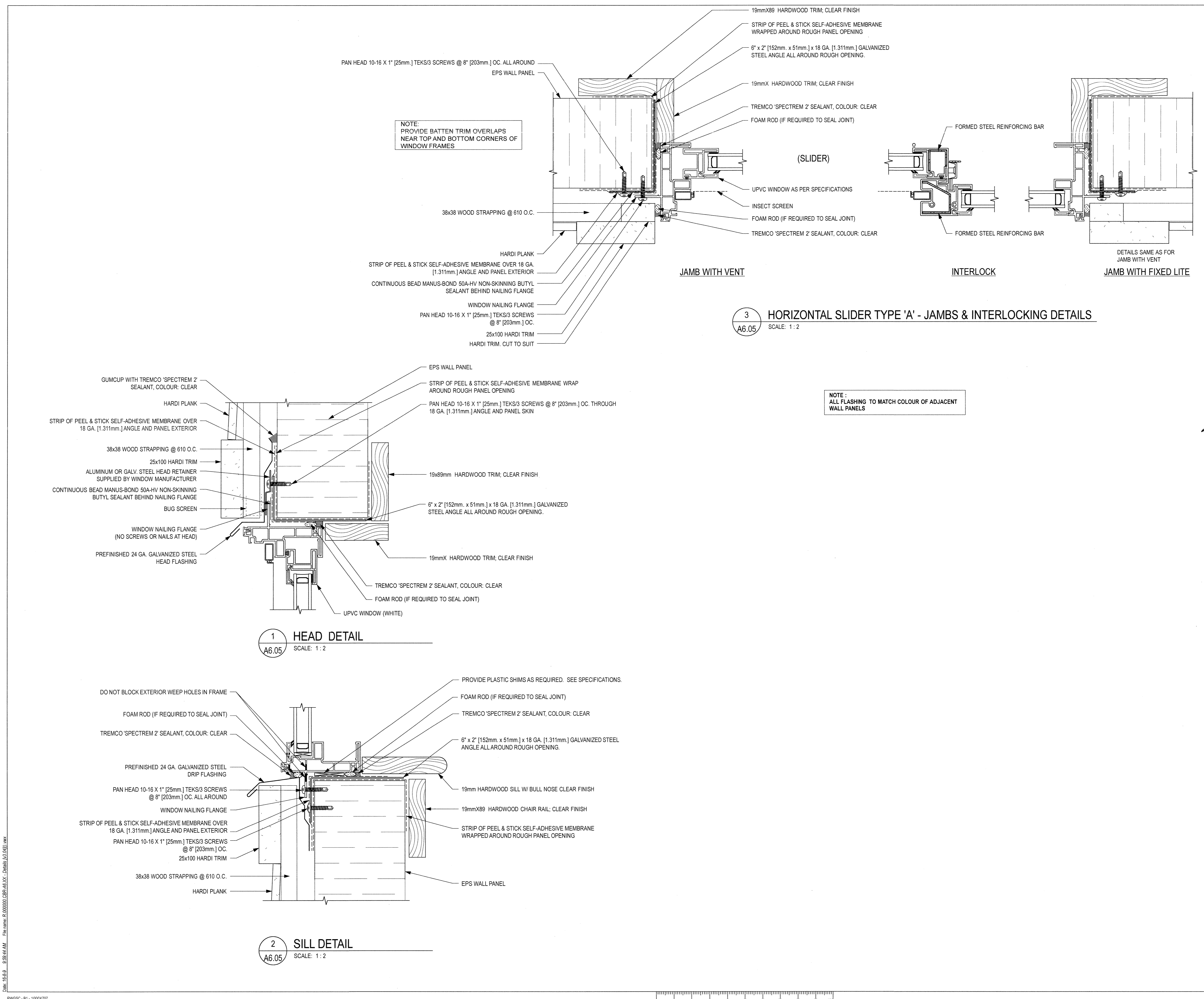
**DETAILS**

Project No./No. du projet	Sheet/ Feuille	Revision no. / La Revision no.
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3	TENDER	2016-09-19
2	95% REVIEW	2016-08-15
1	66% REVIEW	2016-07-25
Revision/Revision	Description/Description	Date/Date

Client/client  
**FISHERIES AND OCEANS,  
 REAL PROPERTY,  
 SAFETY AND SECURITY**  
 VANCOUVER, BC  
 200-401 BURRARD ST.

Project title/Titre du projet  
**705 ISLAND HIGHWAY  
 CAMPBELL RIVER, B.C.**

**CAMPBELL RIVER  
 SAR STATION**

Consultant Signature Box Only

Designed by/Concept par  
**RH**

Drawn by/Dessiné par  
**CM**

PWGSC Project Manager/Administrateur de Projets TPSGC  
 --

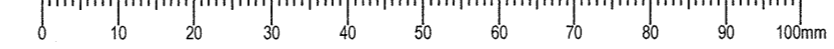
PWGSC, Regional Manager, Architectural and Engineering Services/  
 Gestionnaire régional, Services d'architectural et de génie, TPSGC  
**PRETIPAL PAUL**

Drawing title/Titre du dessin

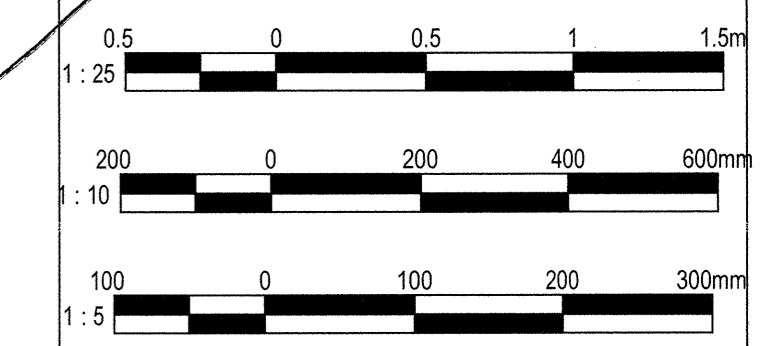
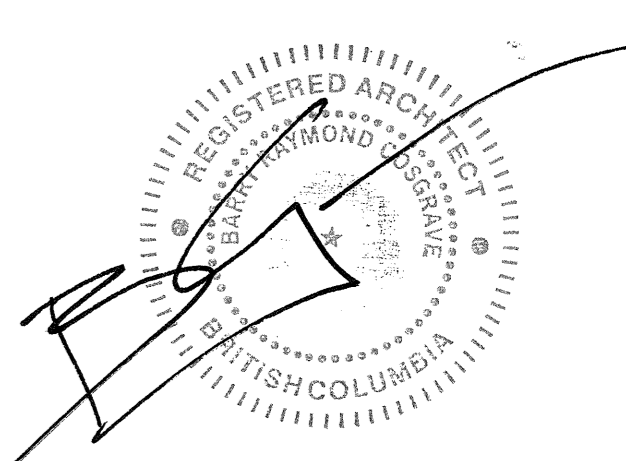
**DETAILS**

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3	TENDER	2016-09-19
2	95% REVIEW	2016-08-15
1	66% REVIEW	2016-07-25
Revision/	Description/Description	Date/Date
Revision		

Client/client  
**FISHERIES AND OCEANS, REAL PROPERTY, SAFETY AND SECURITY**  
 VANCOUVER, BC  
 200-401 BURRARD ST.

Project title/Titre du projet  
**705 ISLAND HIGHWAY CAMPBELL RIVER, B.C.**

**CAMPBELL RIVER SAR STATION**

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Designed by/Concept par  
**RH**

Drawn by/Dessiné par  
**CM**

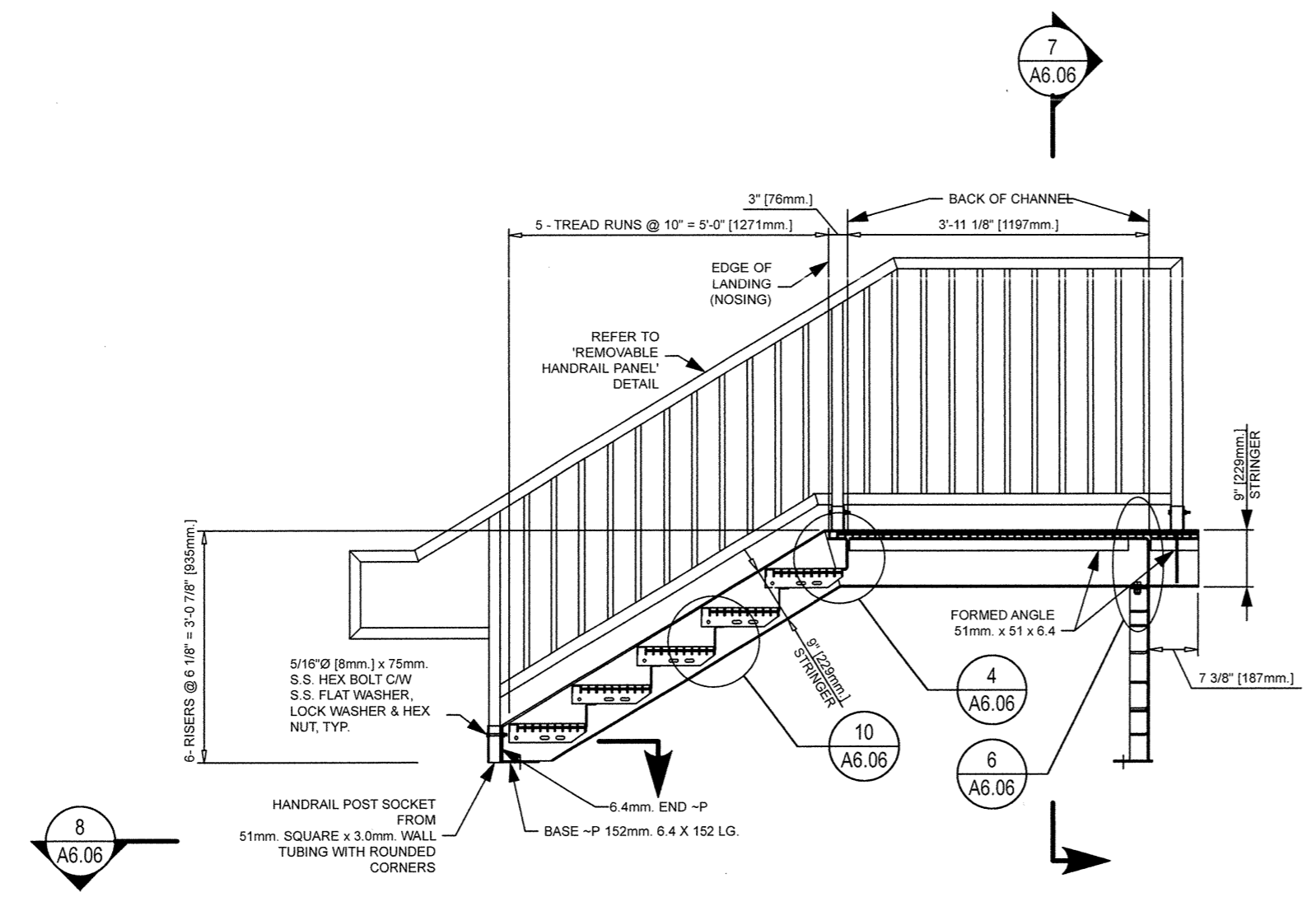
PWGSC Project Manager/Administrateur de Projets TPSGC

PWGSC, Regional Manager, Architectural and Engineering Services/  
 Gestionnaire régionale, Services d'architectural et de génie, TPSGC  
**PREETIPAL PAUL**

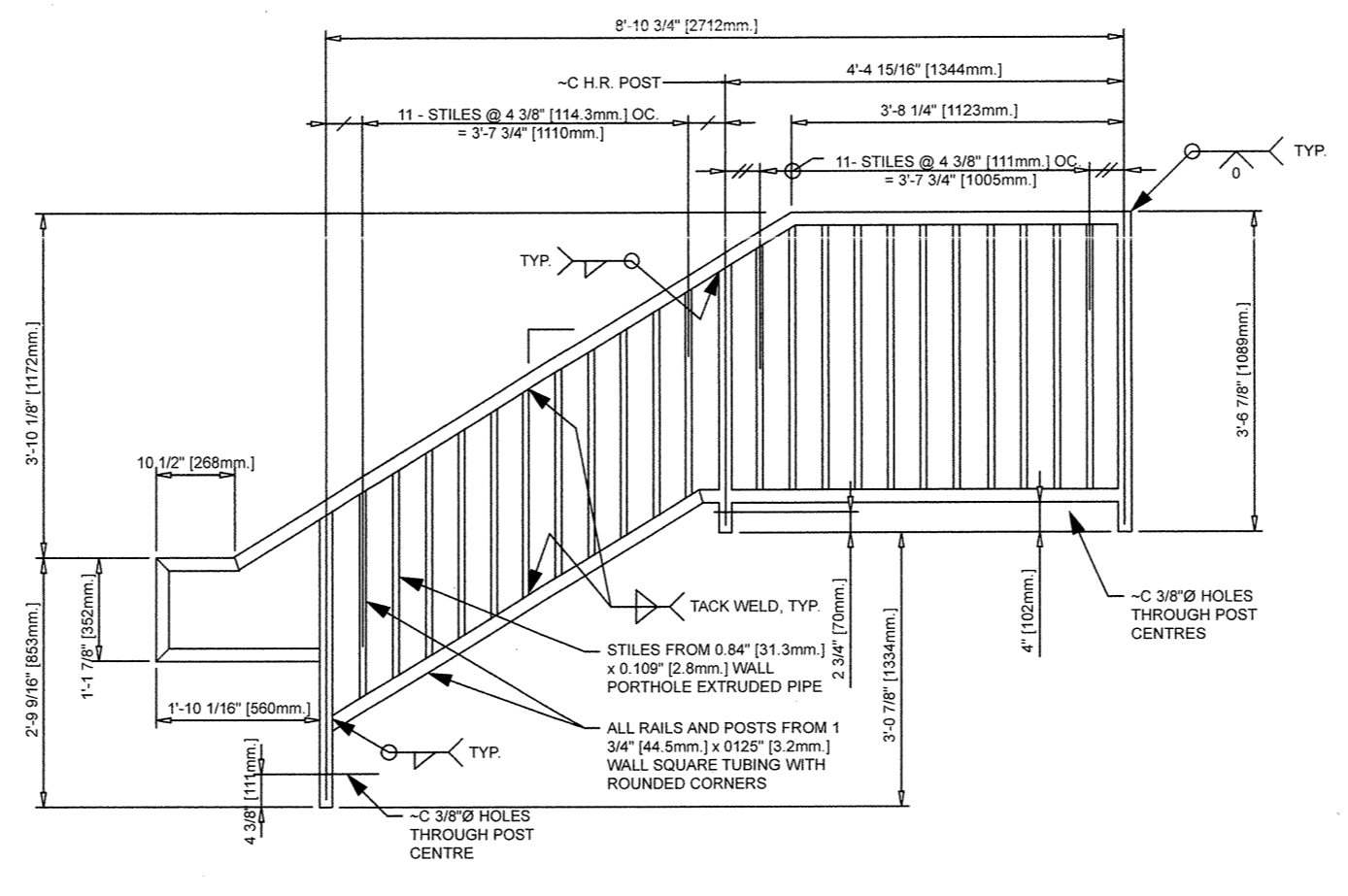
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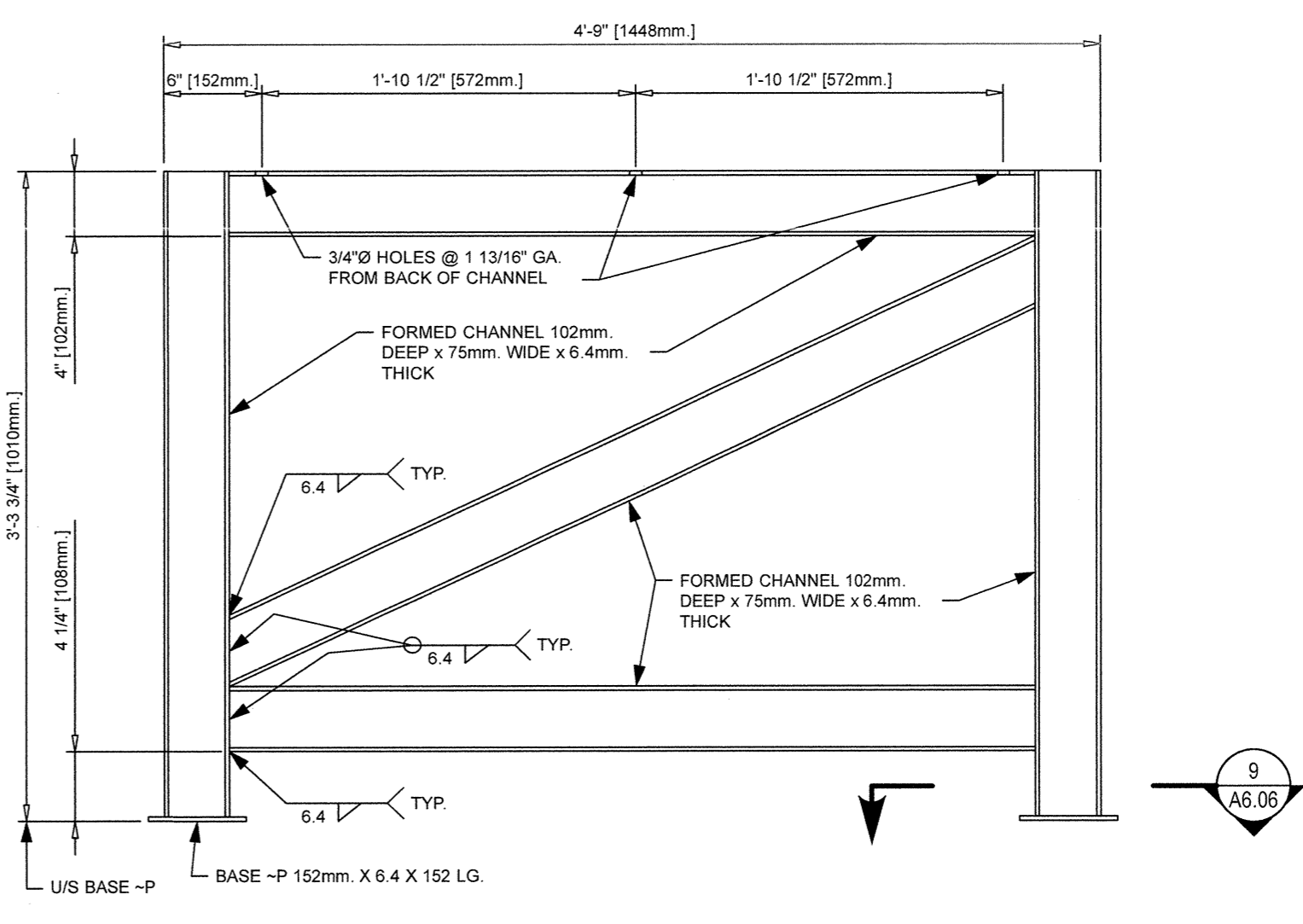
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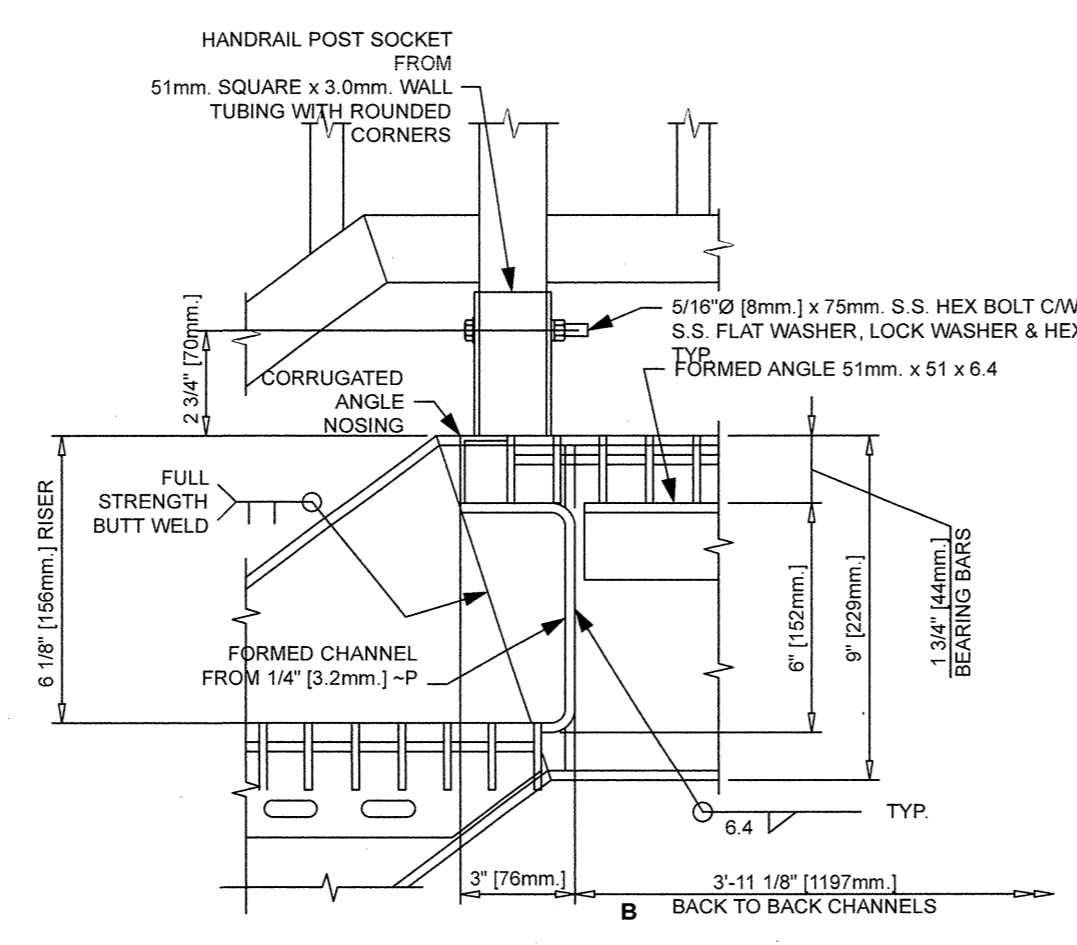
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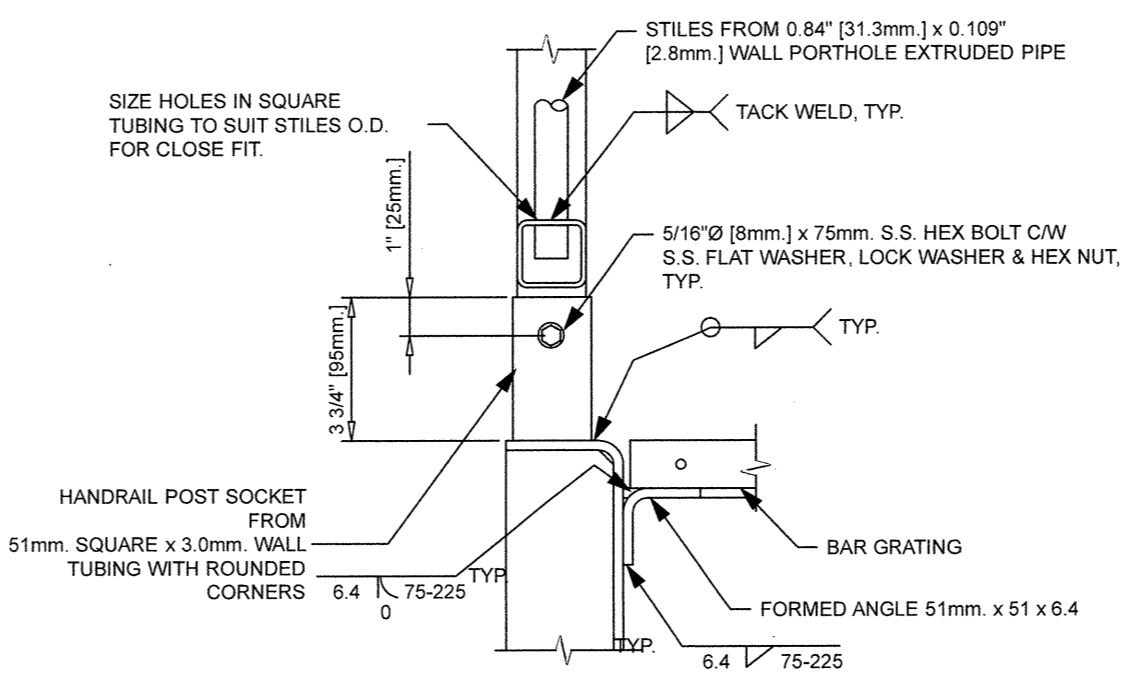
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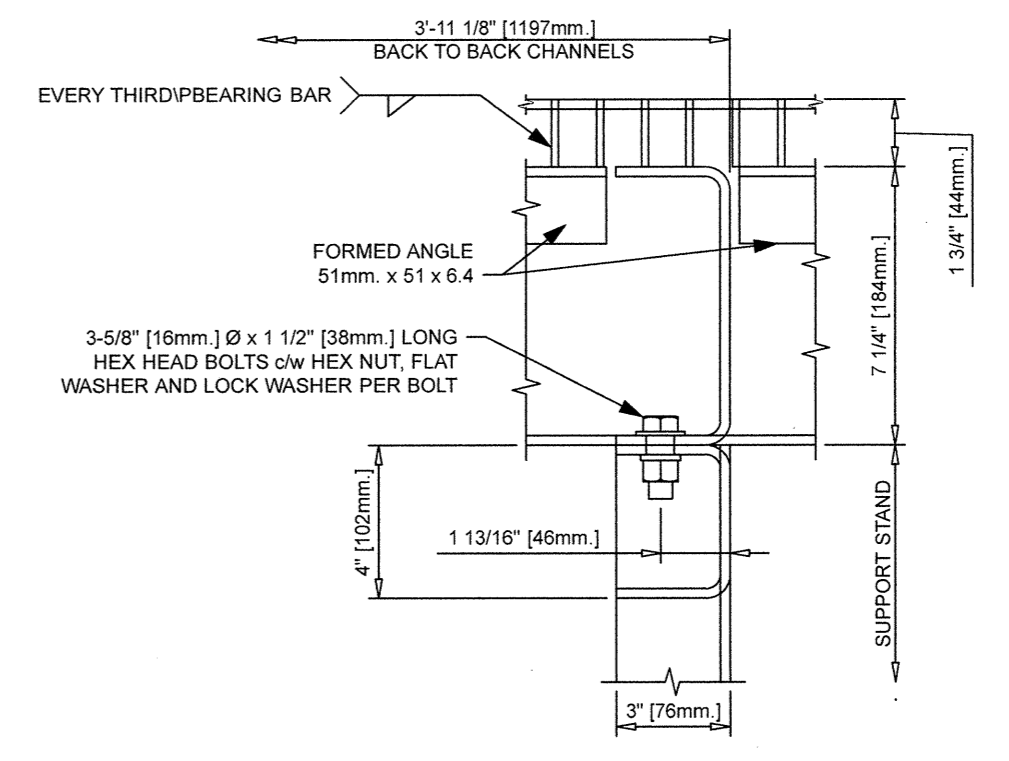
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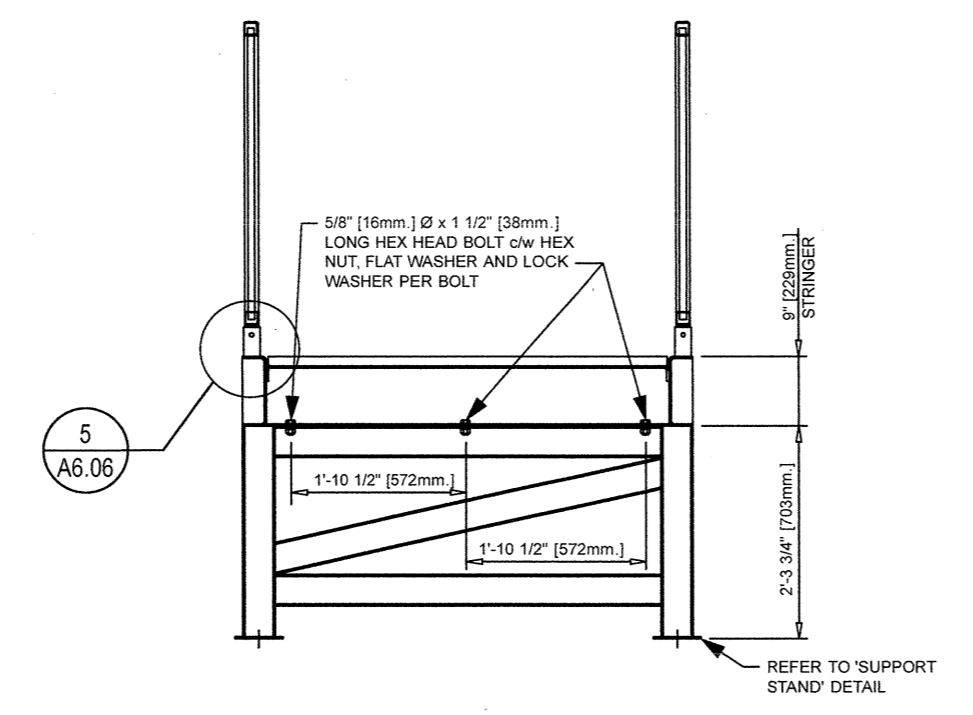
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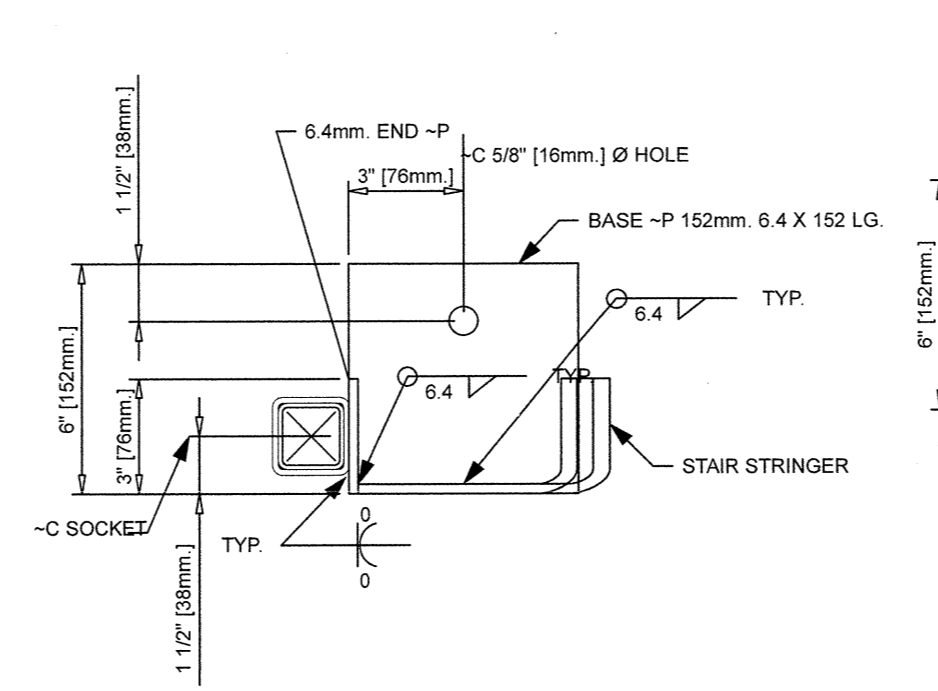
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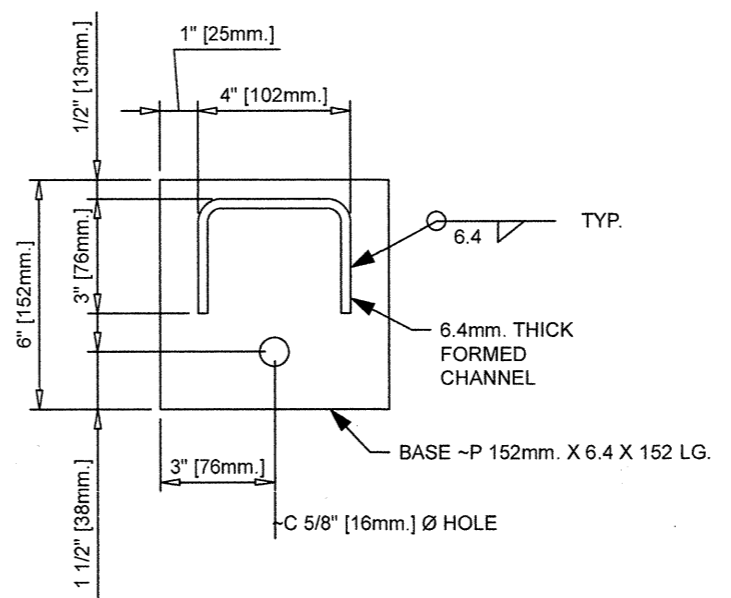
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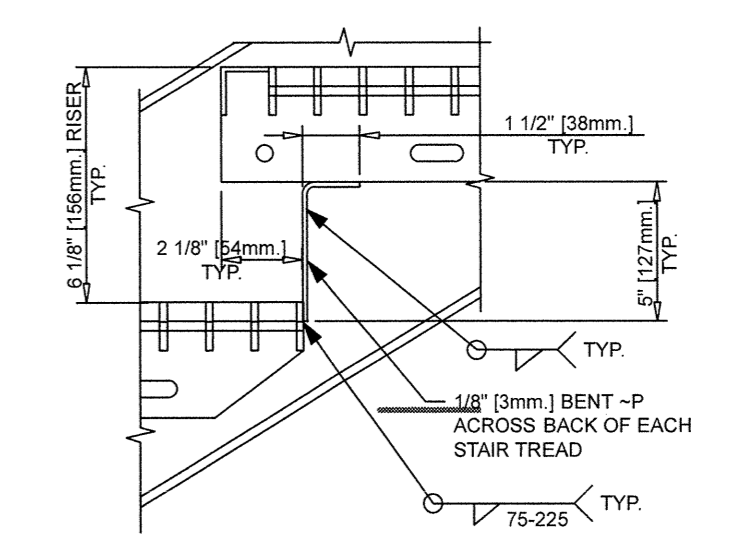
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**8 DETAIL**  
 A6.06 SCALE: 1: 5

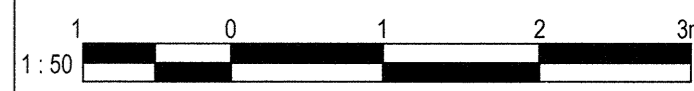
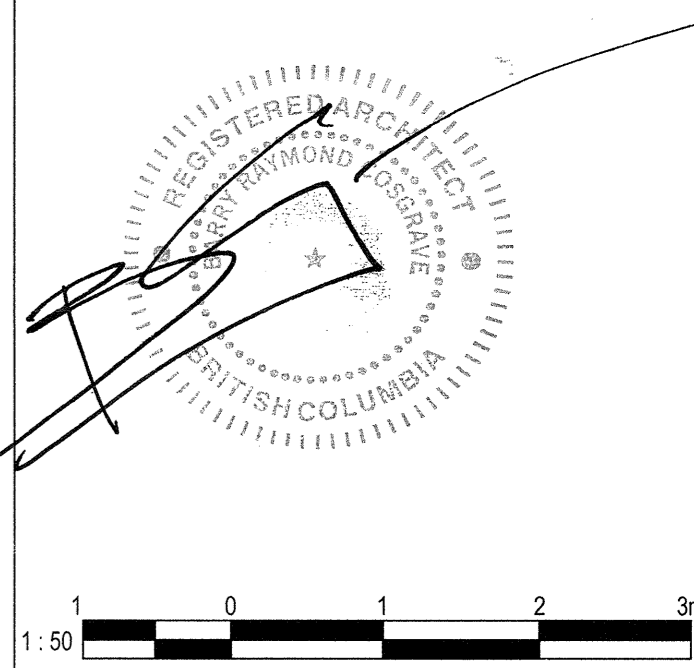
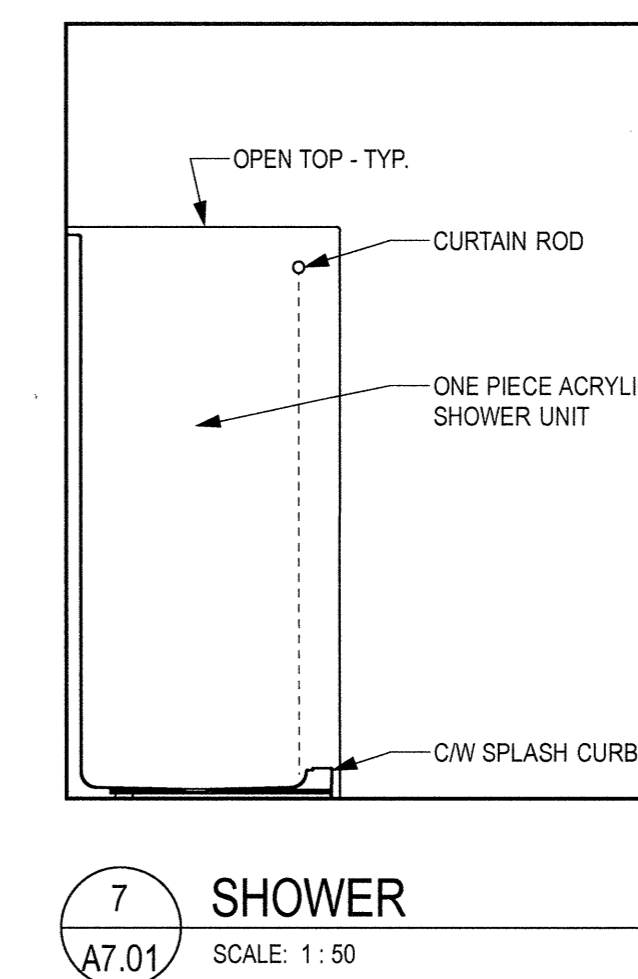
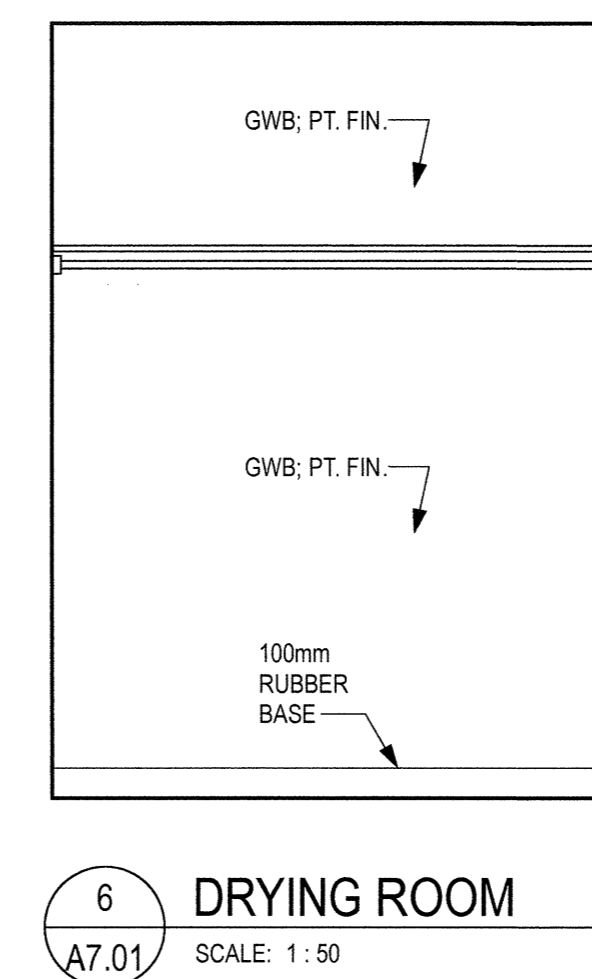
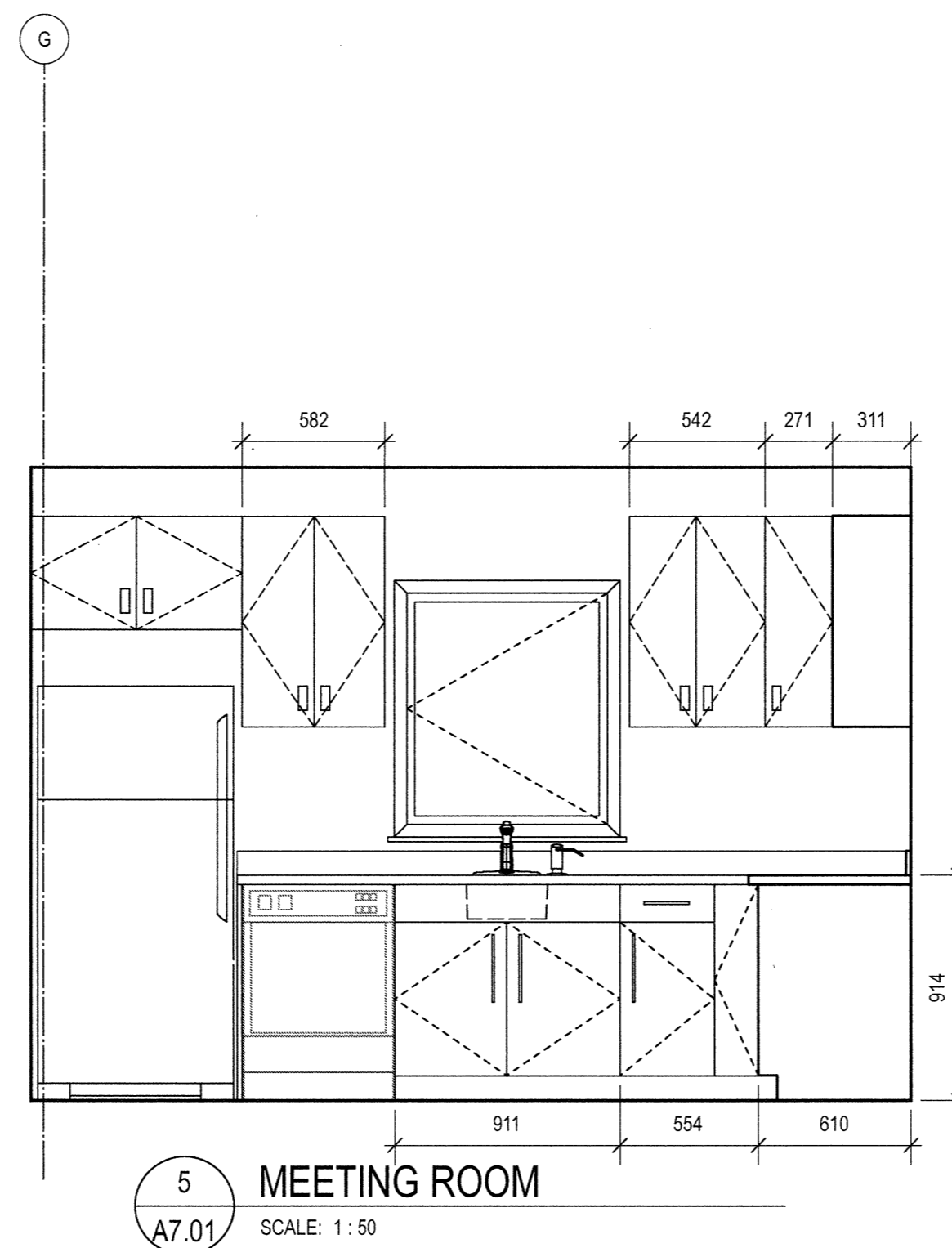
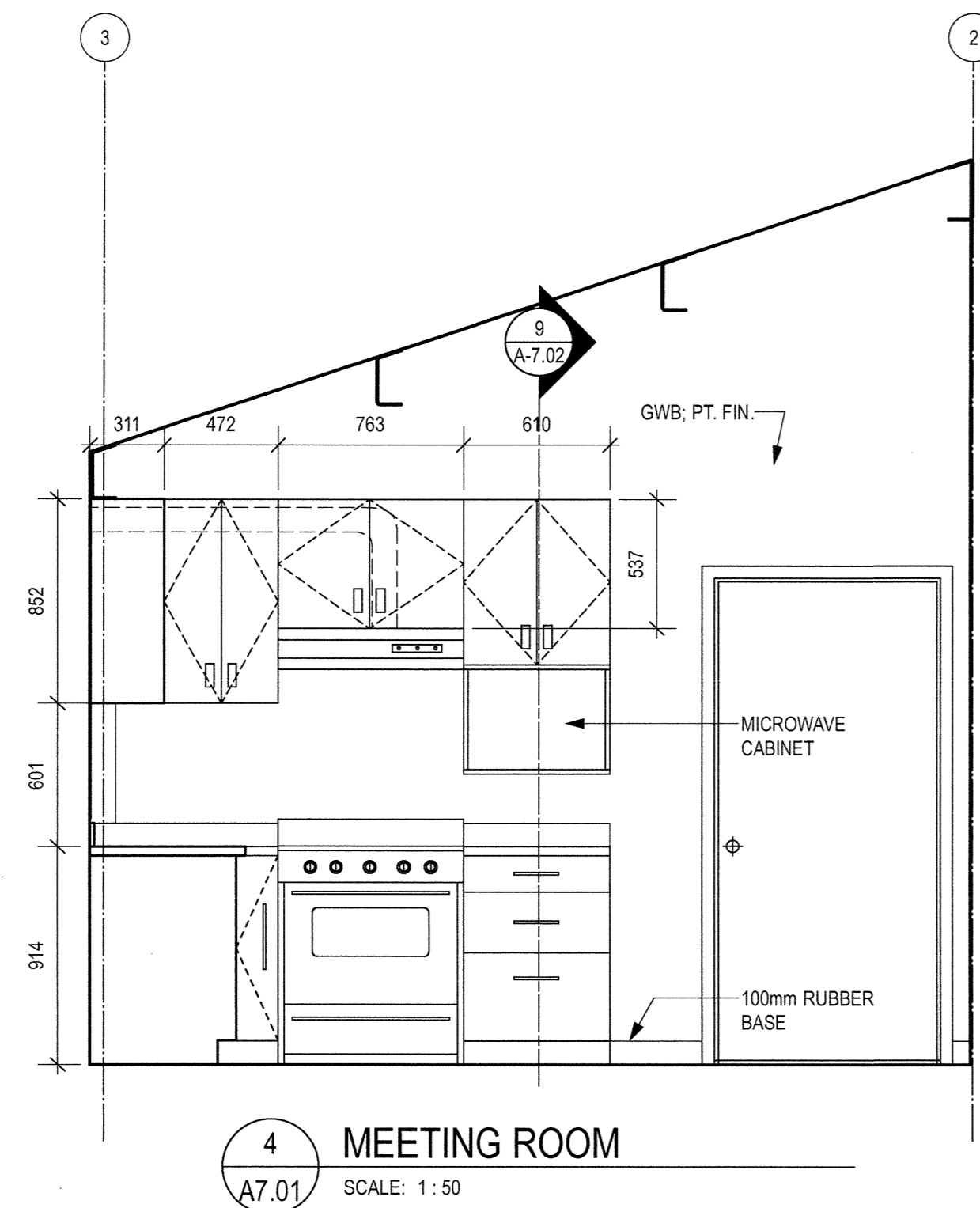
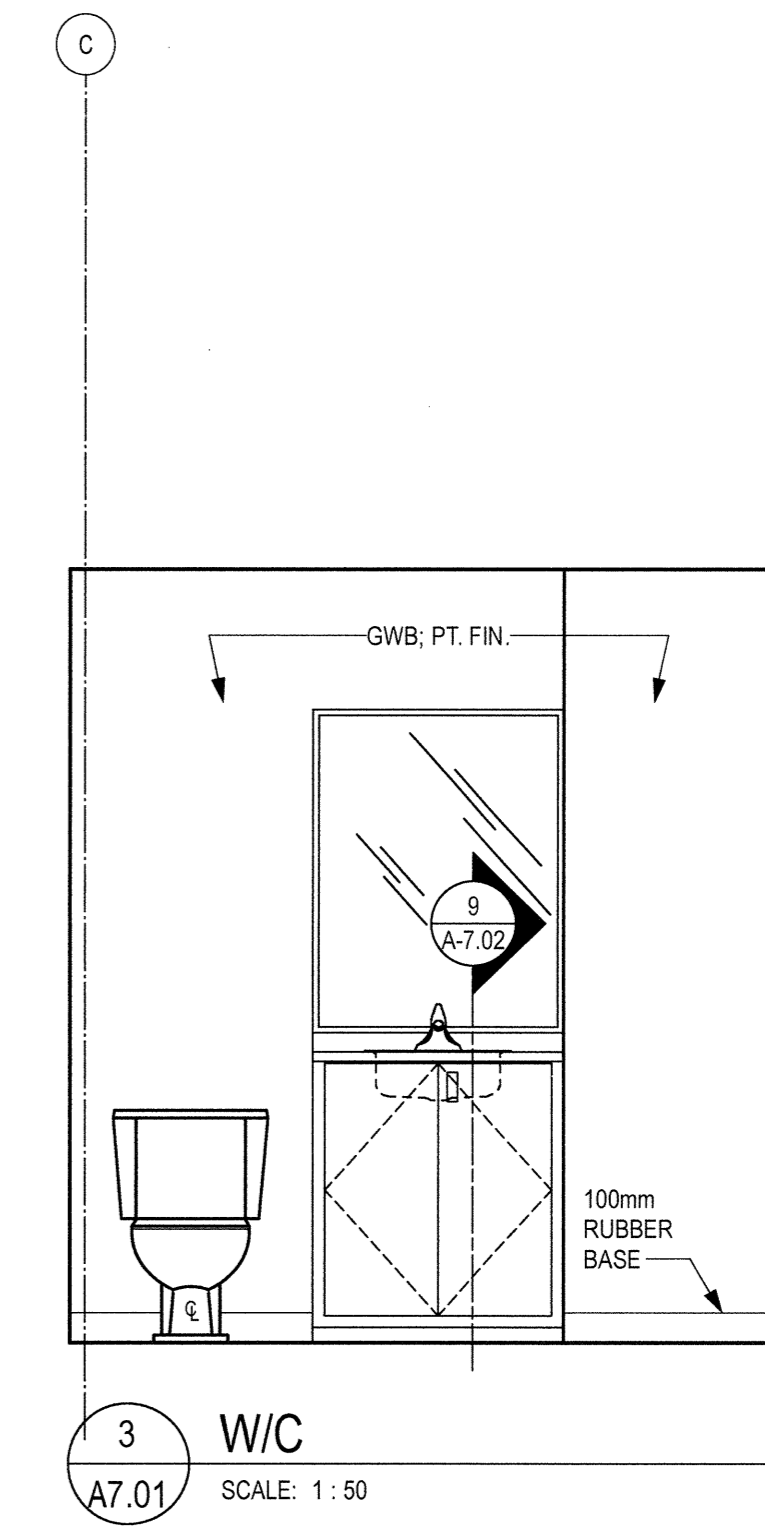
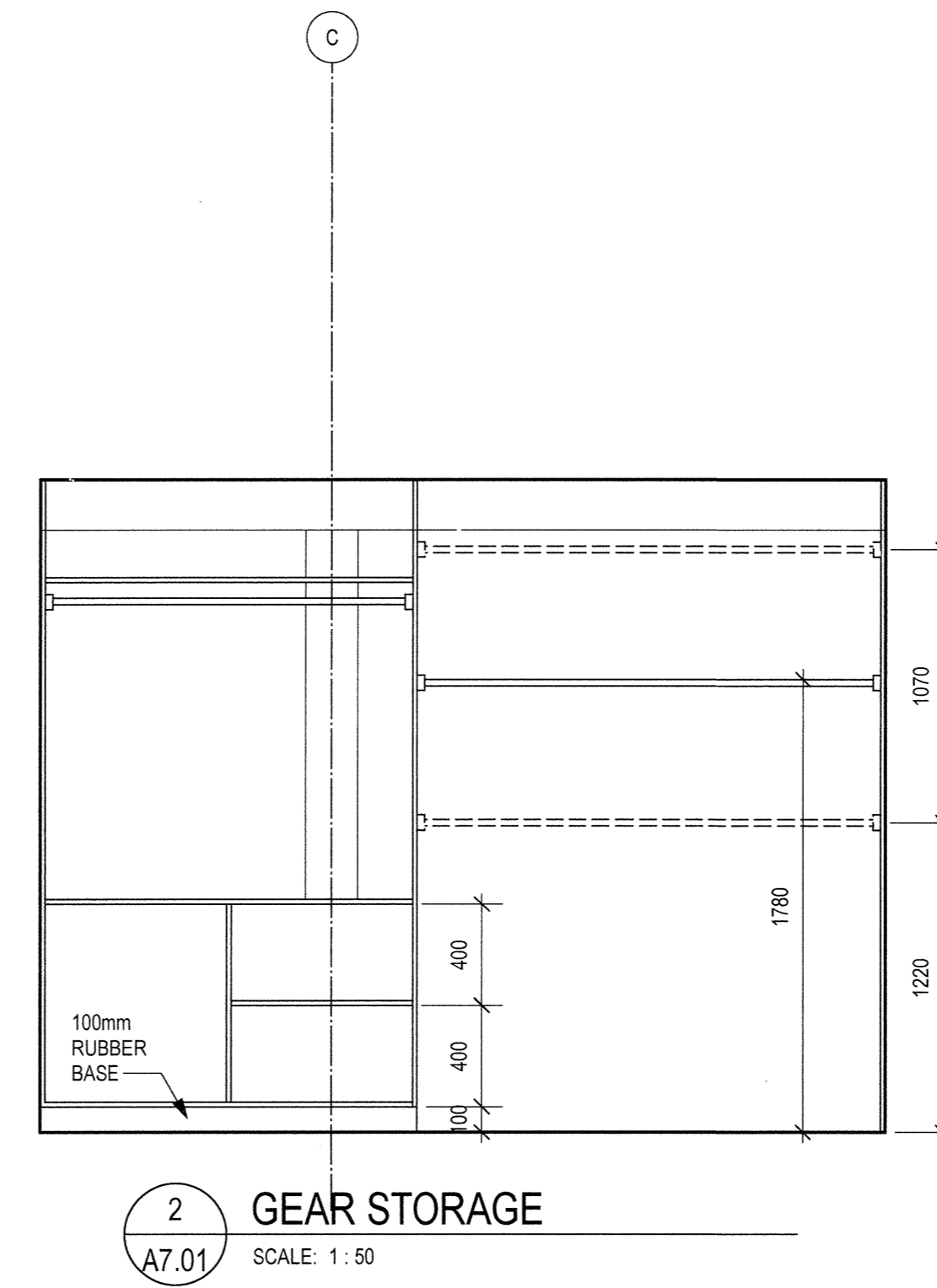
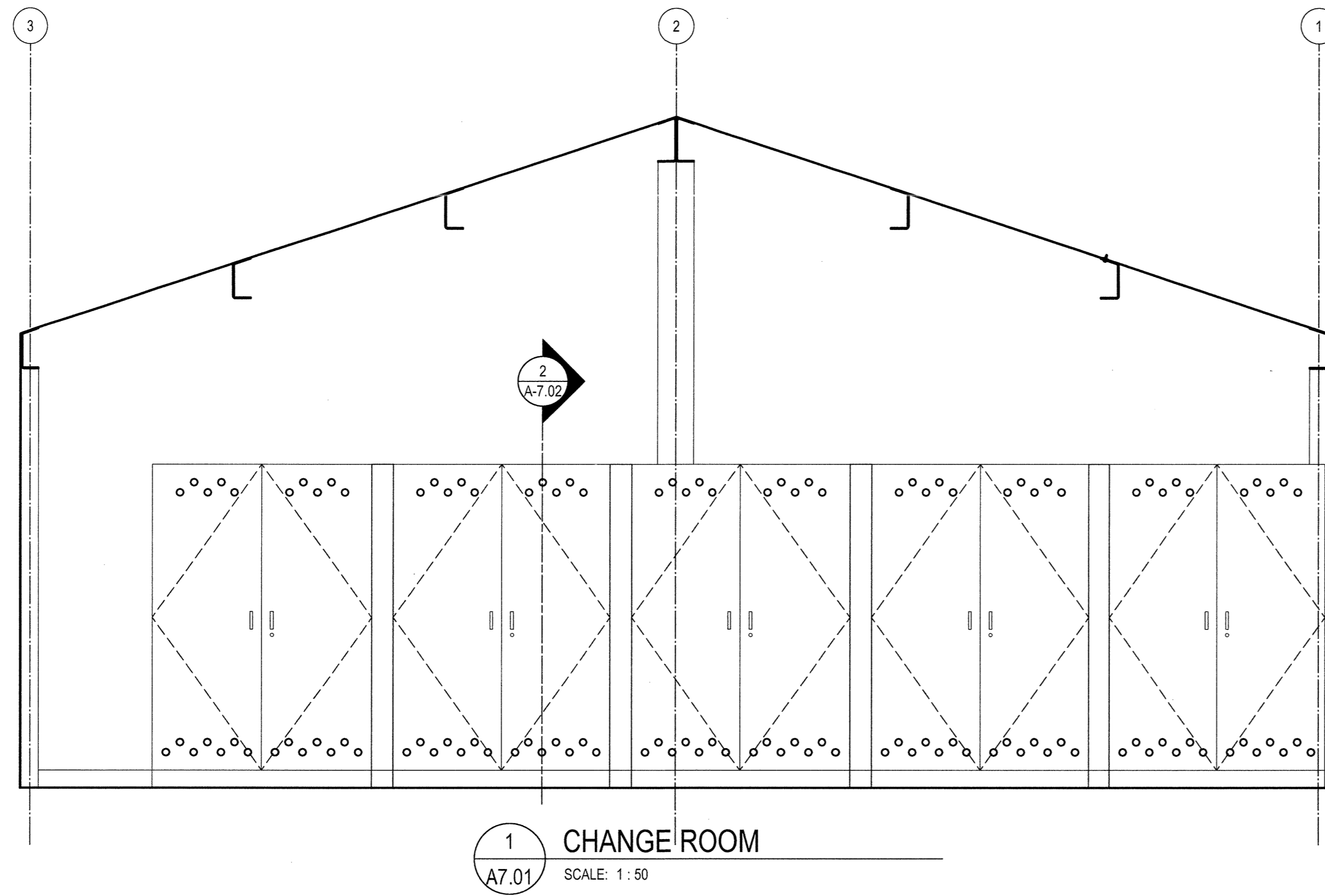


**9 DETAIL**  
 A6.06 SCALE: 1: 5



**10 DETAIL**  
 A6.06 SCALE: 1: 5





Revision/Revision	Description/Description	Date/Date
3	TENDER	2016-19-19
2	95% REVIEW	2016-08-15
1	66% REVIEW	2016-07-25

Client/Client  
**FISHERIES AND OCEANS,  
 REAL PROPERTY,  
 SAFETY AND SECURITY**  
 VANCOUVER, BC  
 200-401 BURRARD ST.

Project title/Titre du projet  
**705 ISLAND HIGHWAY  
 CAMPBELL RIVER, B.C.**

**CAMPBELL RIVER  
 SAR STATION**

Consultant Signature Box Only

Designed by/Concept par  
**RH**

Drawn by/Dessiné par  
**CM**

PWGS/C Project Manager/Administrateur de Projets TPSGC  
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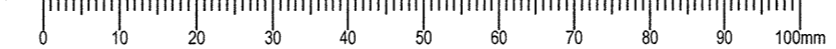
PWGS/C Regional Manager, Architectural and Engineering Services/  
 Gestionnaire régionale, Services d'architecture et de génie, TPSGC  
**PREETIPAL PAUL**

Drawing title/Titre du dessin

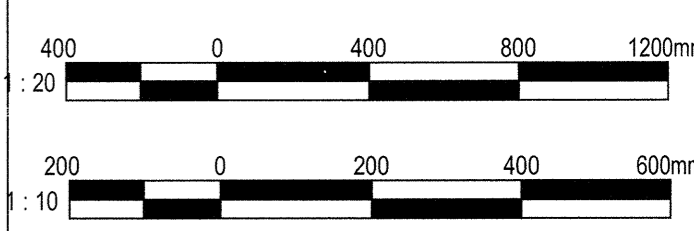
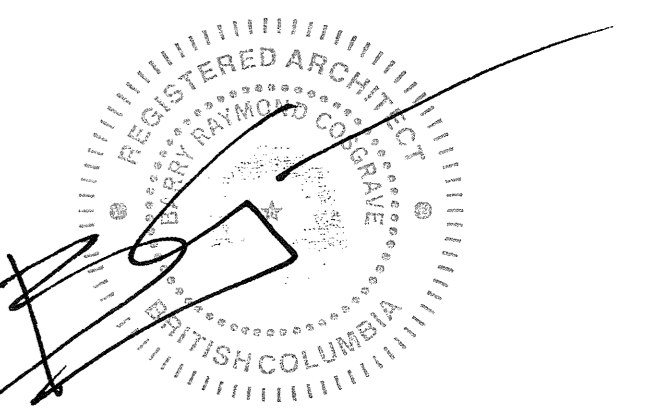
**INTERIOR  
 ELEVATIONS**

Project No./No. du projet	Sheet/ Feuille	Revision no./ La Revision no.
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Revision/Revision	Description/Description	Date/Date
3	TENDER	2016-09-19
2	95% REVIEW	2016-06-15
1	66% REVIEW	2016-07-25

Client/client  
**FISHERIES AND OCEANS, REAL PROPERTY, SAFETY AND SECURITY**  
**VANCOUVER, BC**  
**200-401 BURRARD ST.**

Project title/Titre du projet  
**705 ISLAND HIGHWAY CAMPBELL RIVER, B.C.**

**CAMPBELL RIVER SAR STATION**

Consultant Signature Box Only

Designed by/Concept par  
**RH**

Drawn by/Dessiné par  
**CM**

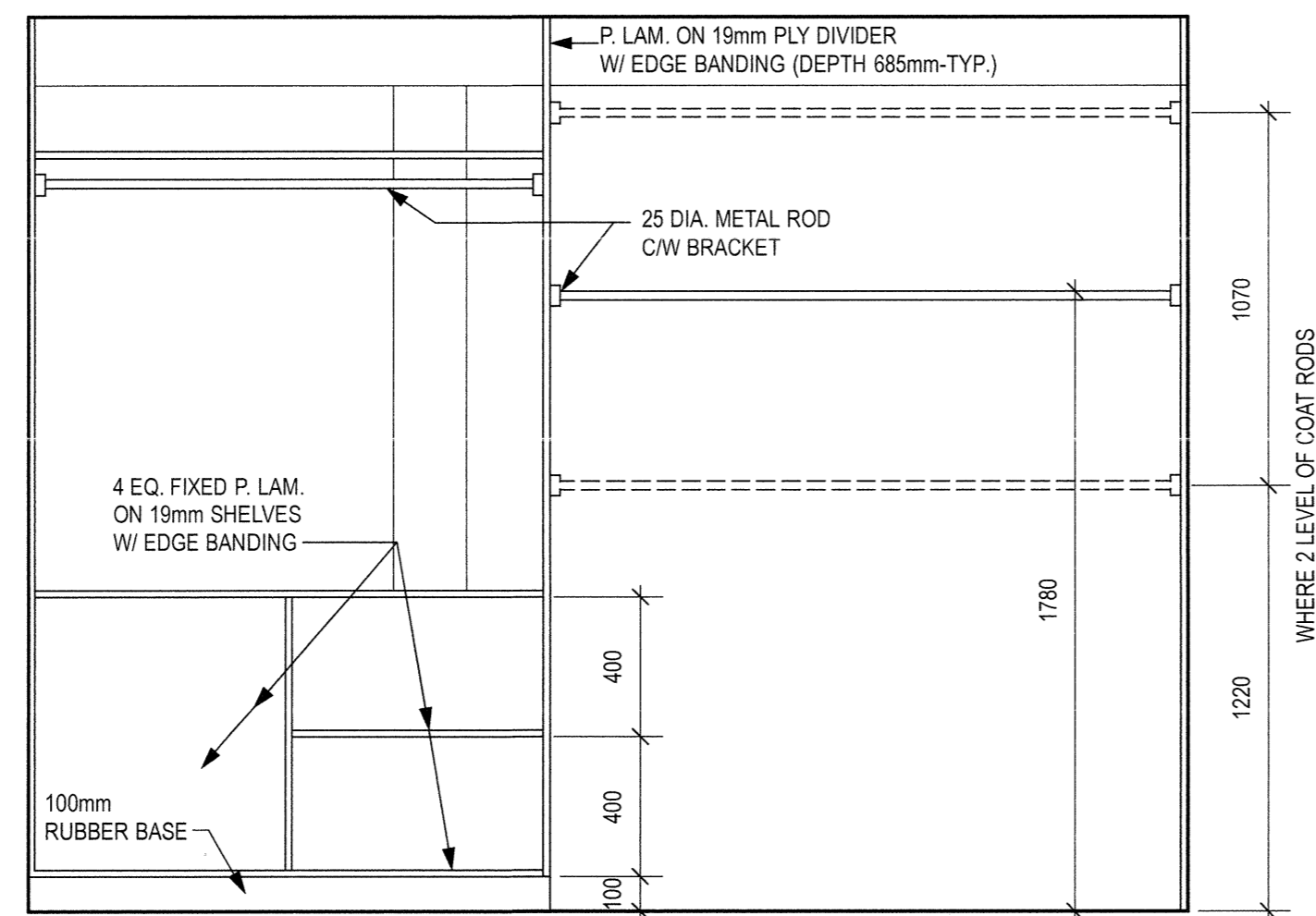
PWGSC Project Manager/Administrateur de Projets TPSGC

PWGSC Regional Manager, Architectural and Engineering Services/  
 Gestionnaire régionale, Services d'architecture et de génie, TPSGC  
**PREETIPAL PAUL**

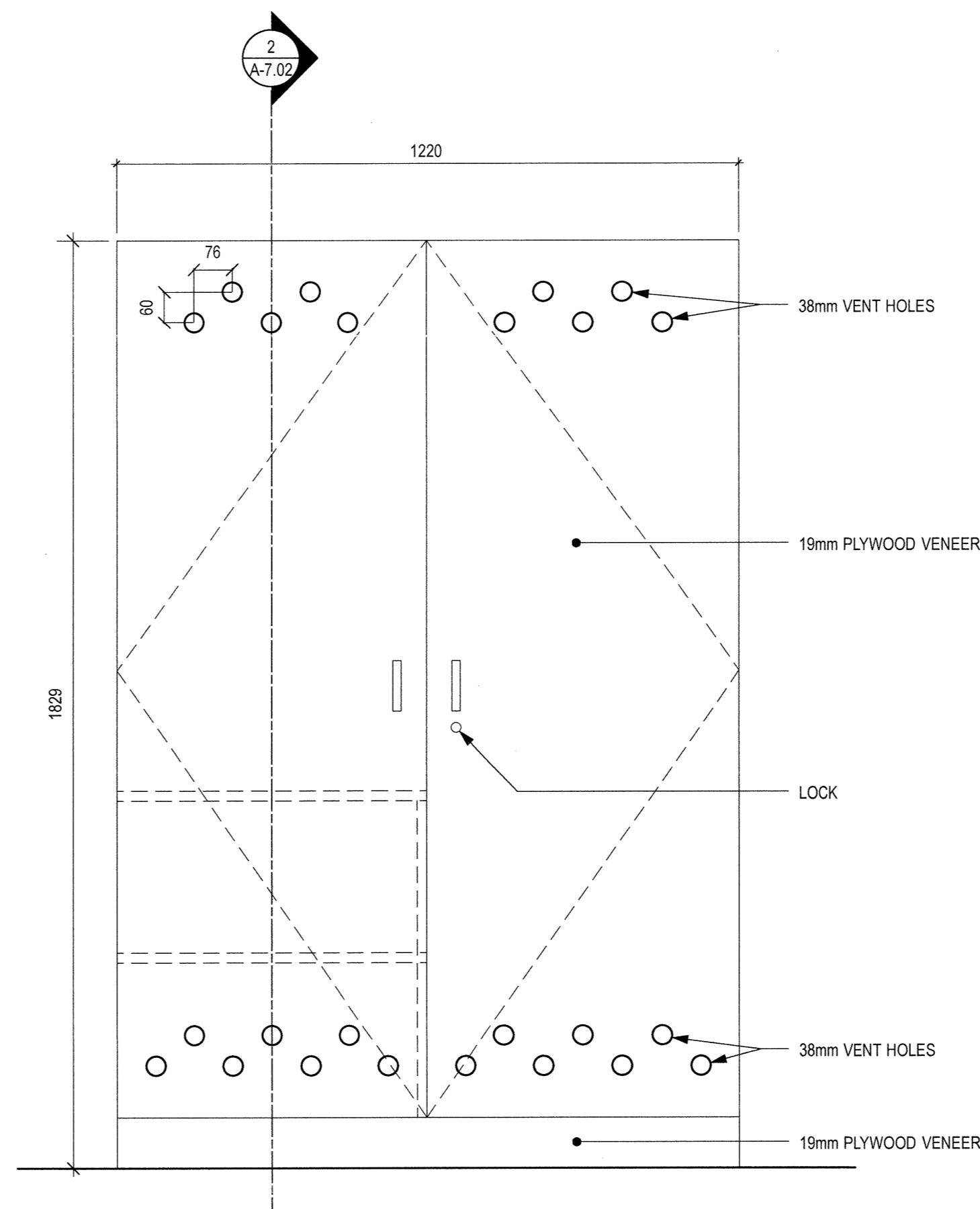
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**MILLWORK DETAILS**

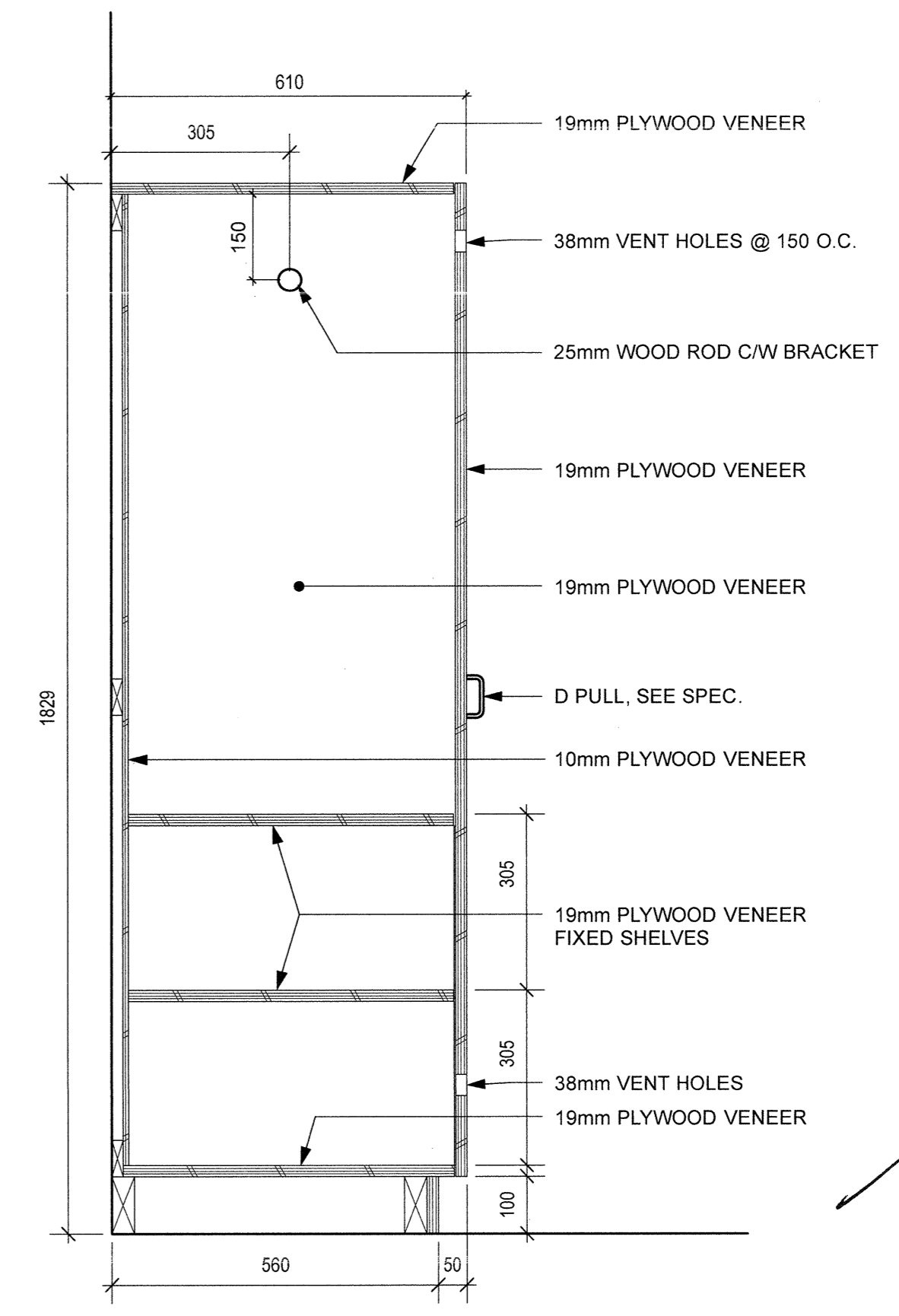
Project No./No. du projet	Sheet/ Feuille	Revision no. / La Révision no.
<b>2016520</b>	<b>A7.02</b>	<b>2</b>
	<b>OF</b>	



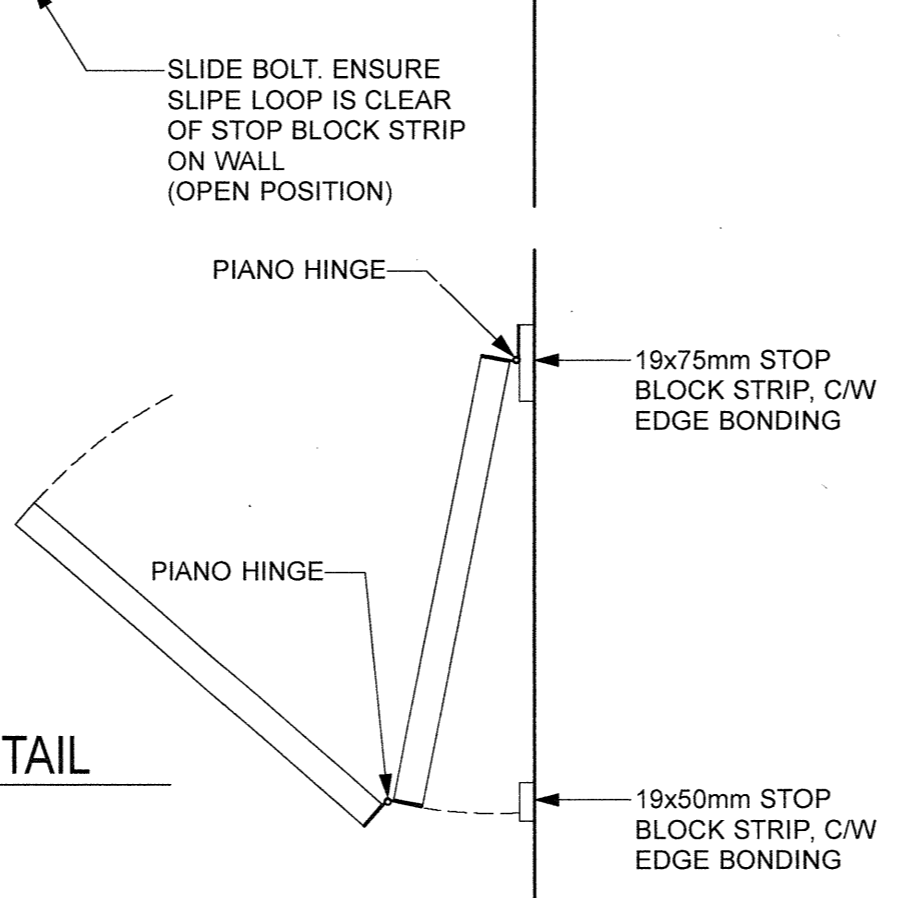
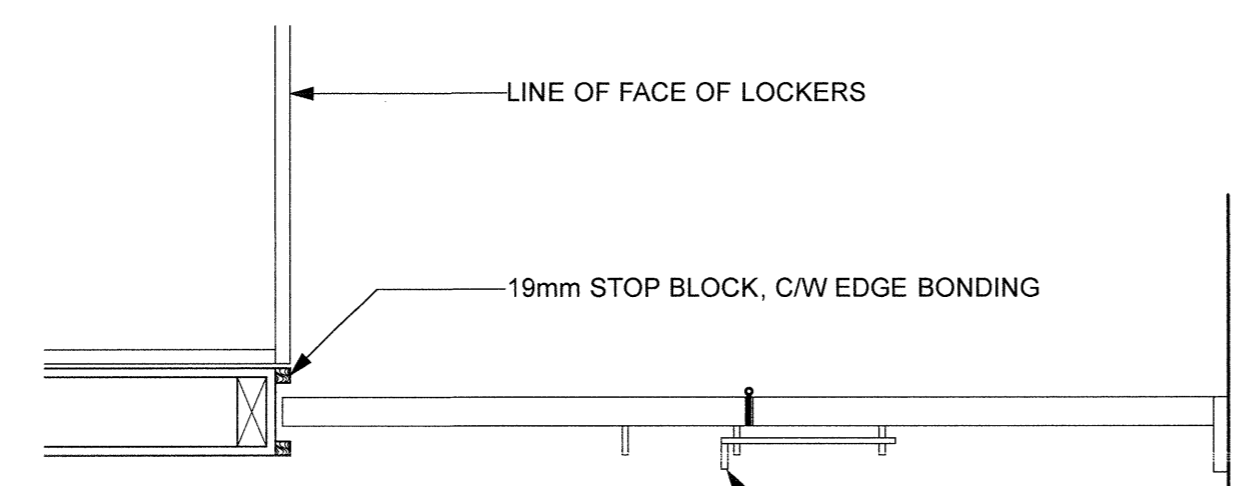
**7 GEAR STORAGE SHELVES**  
 SCALE: 1:20



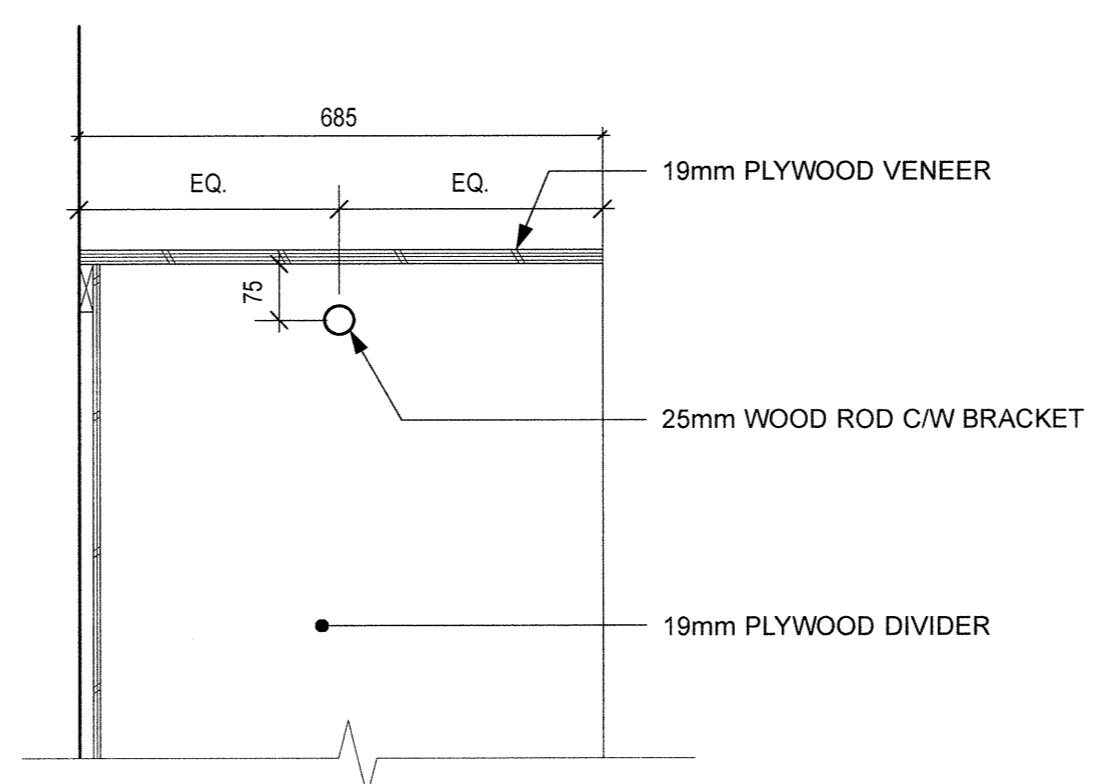
**1 TYPICAL LOCKER ELEVATION**  
 SCALE: 1:10



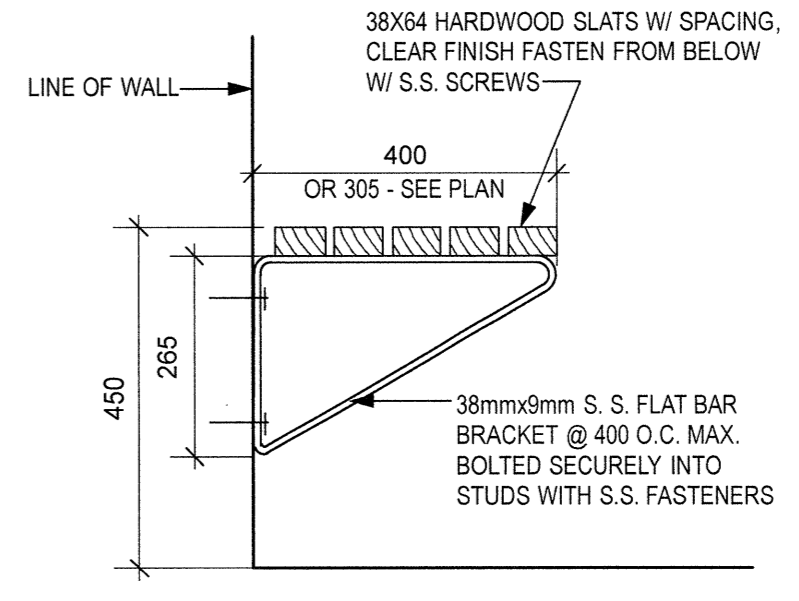
**2 TYPICAL LOCKER DETAIL**  
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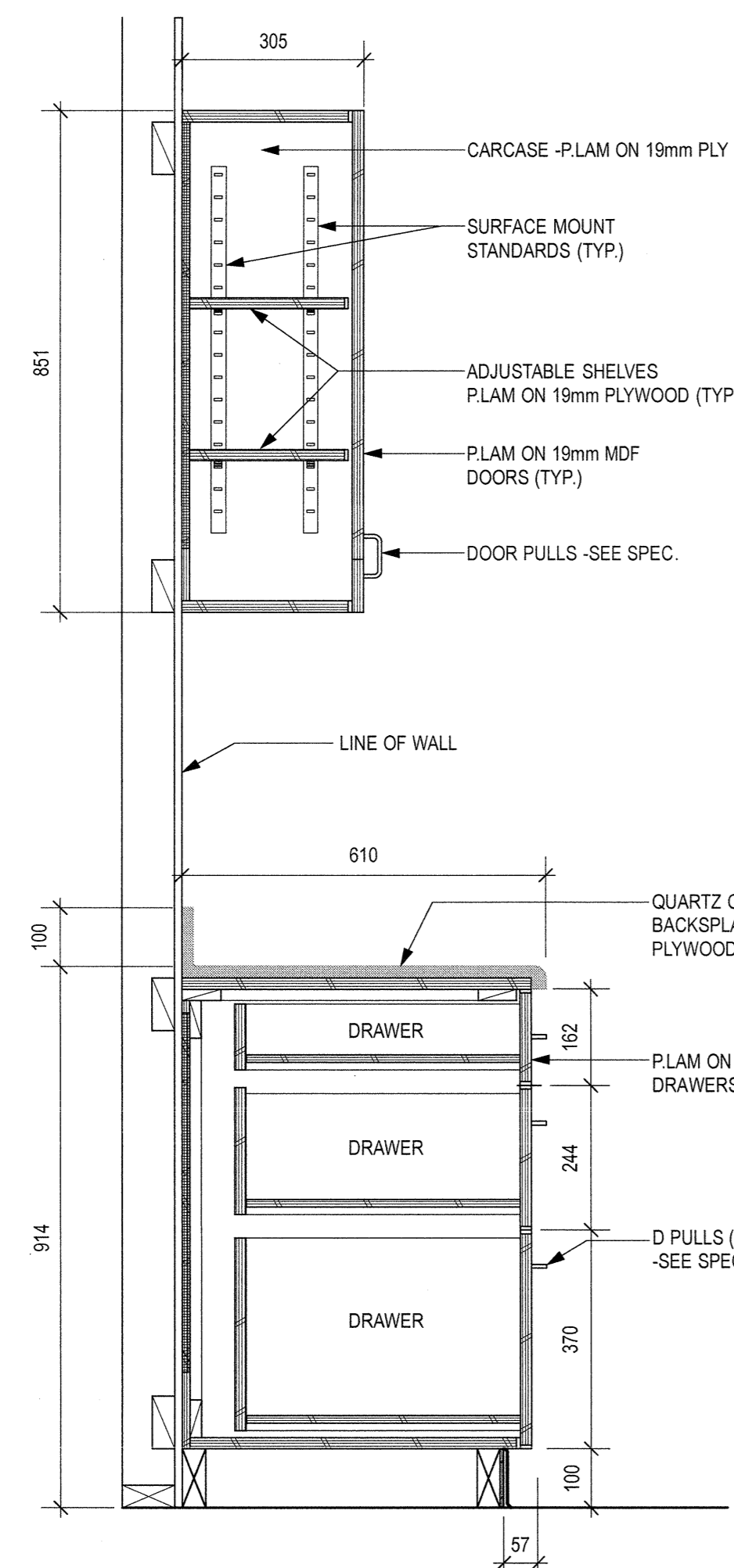
**8 FOLDING DOOR DETAIL**  
 SCALE: 1:10



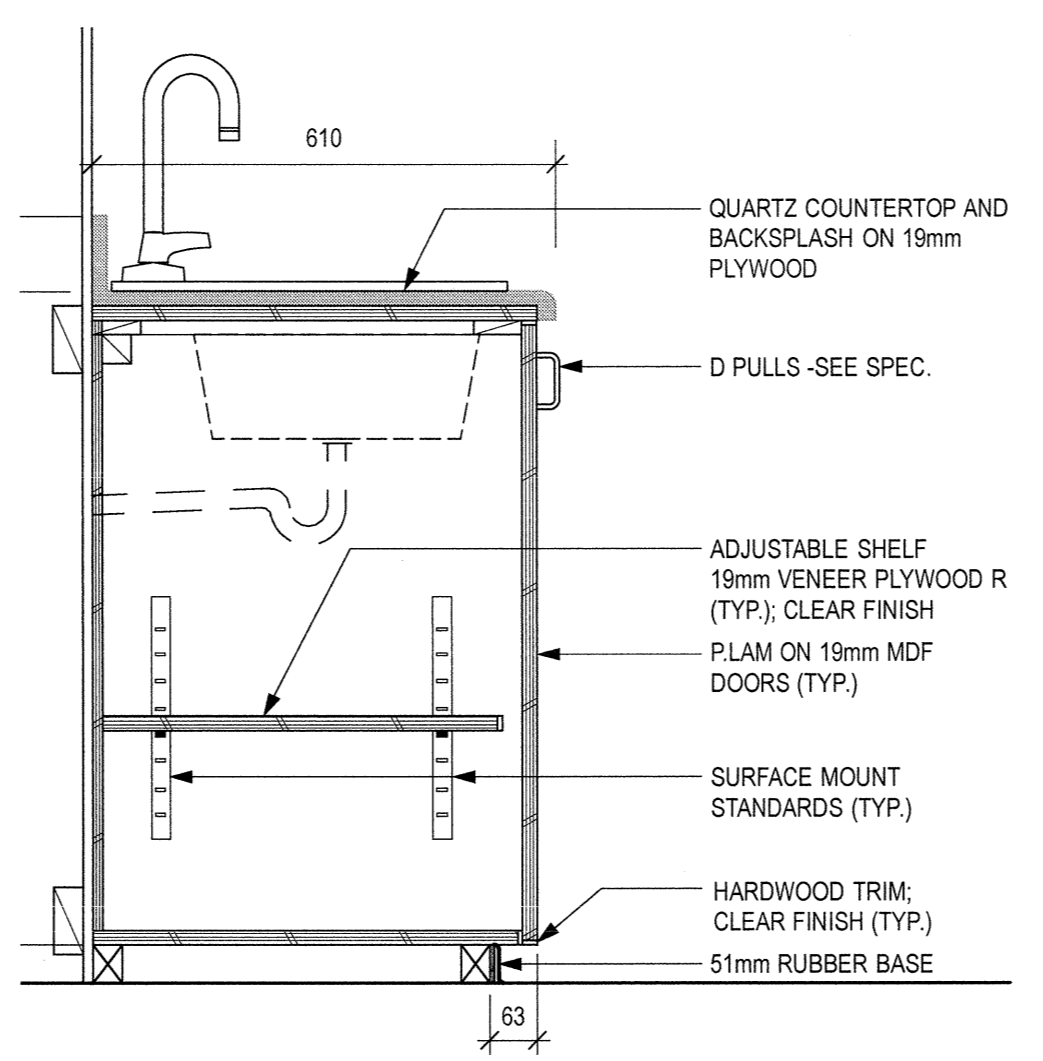
**6 TYPICAL GEAR STORAGE DETAIL**  
 SCALE: 1:10



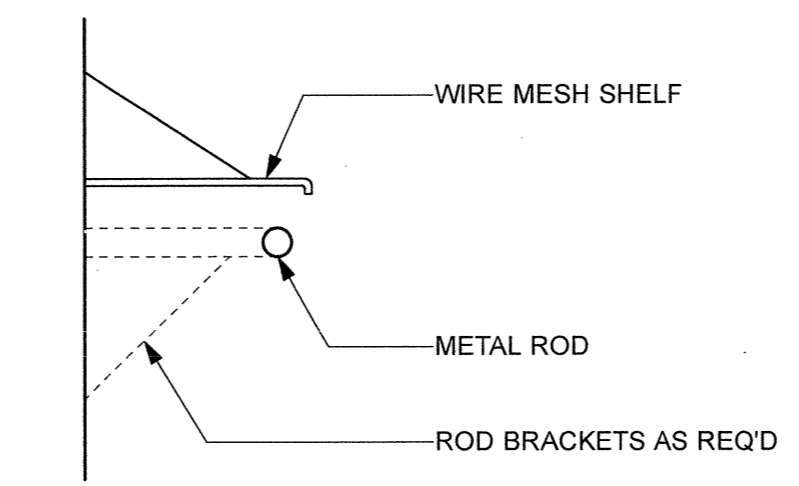
**4 WALL SEAT DETAIL**  
 SCALE: 1:10



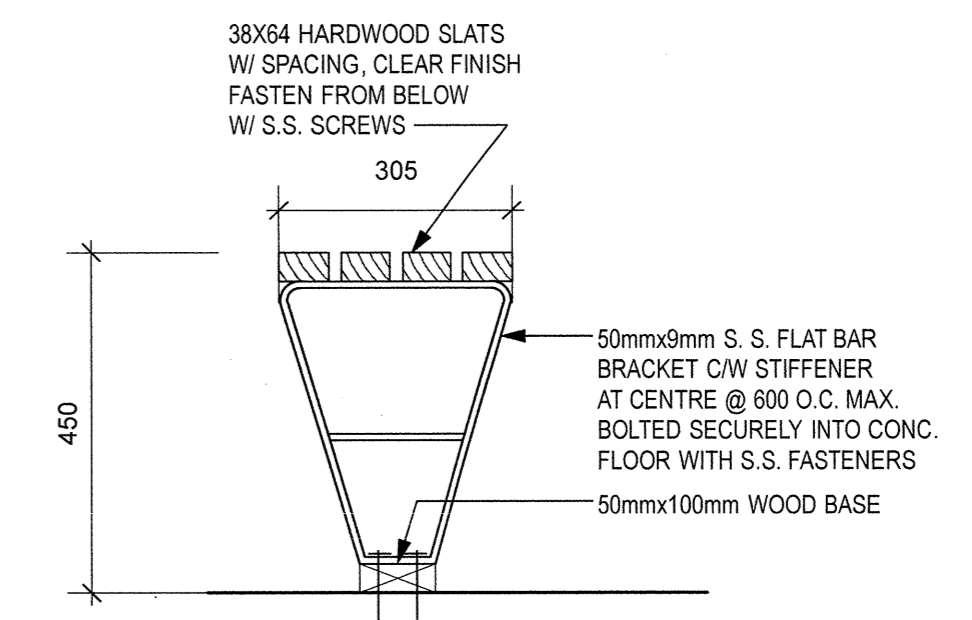
**10 MEETING RM. COUNTER**  
 SCALE: 1:10



**9 WASHROOM COUNTER W/ SINK**  
 SCALE: 1:10



**5 SHELF DETAIL**  
 SCALE: 1:10



**3 BENCH DETAIL**  
 SCALE: 1:10

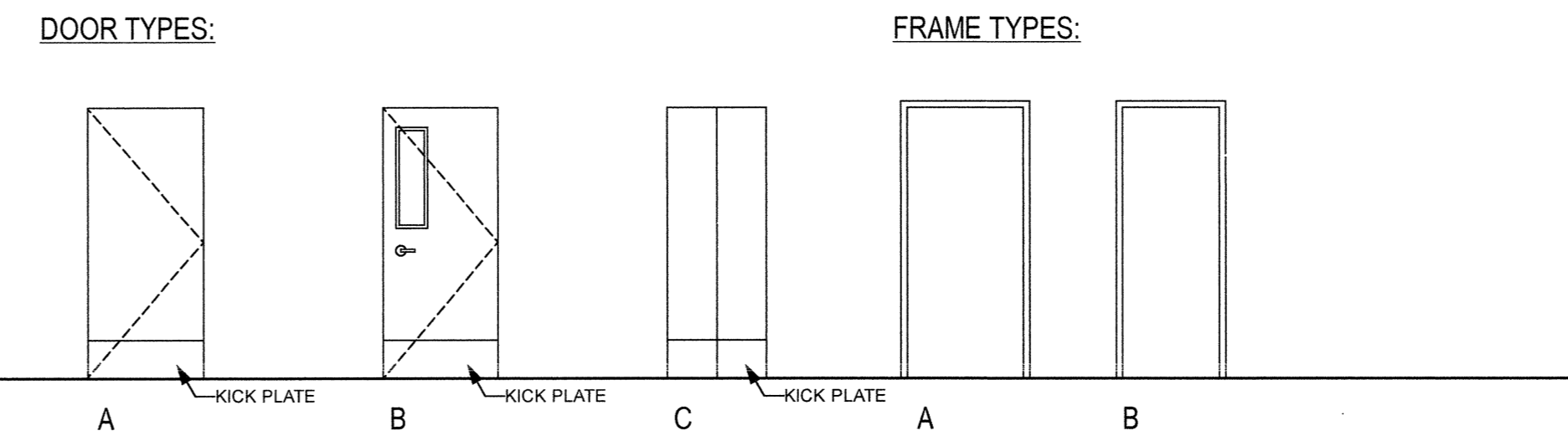
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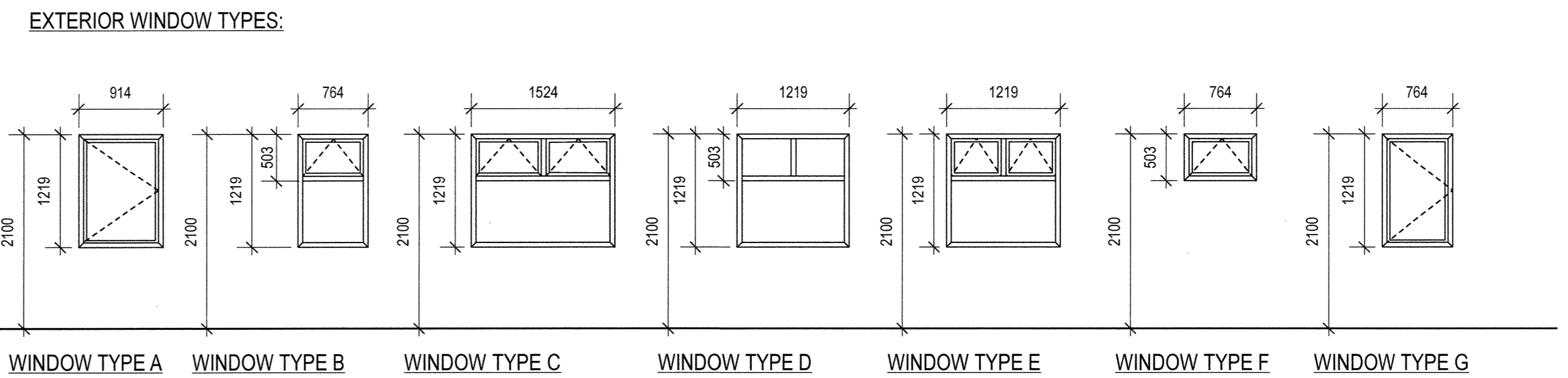


DOOR SCHEDULE				DOOR								FRAME				REMARKS	
NUM.	SIZE (W x H x THICK)	FROM	TO	FRR	HDWR	TYPE	MATL	CORE	FINISH	COLOR	GLAZ.	MATL	TYPE	FINISH	COLOR		GLAZ.
100	914 x 2032 x 45	CREW OFFICE (100)	EXTERIOR	-	-	D	MTL	INSU.	PT		D.G. TEMP.	H.M.	A	PT			LOCK; CLOSER; KICK PLATE; THRESHOLD; WEATHER STRIPPING; SWEEP
101	2-914 x 2032 x 45	WORK SHOP (101)	EXTERIOR	-	-	A	MTL	INSU.	PT			H.M.	A	PT			LOCK; CLOSER; KICK PLATE; THRESHOLD; WEATHER STRIPPING; SWEEP
101a	813 x 2032 x 45	CREW OFFICE (100)	WORK SHOP (101)	-	-	A	MTL	INSU.	PT			H.M.	A	PT			KICK PLATE
102	915 x 2032 x 45	CREW OFFICE (100)	MEETING RM. (102)	-	-	A	MTL	H.M.	PT			H.M.	A	PT			KICK PLATE
103	915 x 2032 x 45	CORRIDOR (117)	COPY ROOM (103)	-	-	A	MTL	H.M.	PT			H.M.	A	PT			KICK PLATE
104	915 x 2032 x 45	CORRIDOR (117)	MECH./ELEC. (104)	-	-	A	MTL	INSU.	PT			H.M.	A	PT			KICK PLATE
105	813 x 2032 x 45	CORRIDOR (117)	WC (105)	-	-	A	MTL	H.M.	PT			H.M.	A	PT			KICK PLATE
106	813 x 2032 x 45	CORRIDOR (117)	WC (105)	-	-	A	MTL	H.M.	PT			H.M.	A	PT			KICK PLATE
107	813 x 2032 x 45	CHANGE RM. (107)	SHOWER (107)	-	-	A	MTL	H.M.	PT			H.M.	A	PT			KICK PLATE; TRANSFER GRILL - SEE MECH.
108	915 x 2032 x 45	CORRIDOR (117)	CHANGE RM. (108)	-	-	A	MTL	H.M.	PT			H.M.	A	PT			KICK PLATE
109	915 x 2032 x 45	CORRIDOR (116)	CHANGE RM. (109)	-	-	A	MTL	H.M.	PT			H.M.	A	PT			KICK PLATE
110	813 x 2032 x 45	CHANGE RM. (109)	DRYING RM. (110)	-	-	A	MTL	H.M.	PT			H.M.	A	PT			KICK PLATE; UNDERCUT DOOR - SEE MECH.
110a	813 x 2032 x 45	CHANGE RM. (108)	DRYING RM. (110)	-	-	A	MTL	H.M.	PT			H.M.	A	PT			KICK PLATE; UNDERCUT DOOR - SEE MECH.
111	813 x 2032 x 45	CHANGE RM. (109)	SHOWER (111)	-	-	A	MTL	H.M.	PT			H.M.	A	PT			KICK PLATE; UNDERCUT DOOR - SEE MECH.
112	914 x 2032 x 45	CORRIDOR (116)	GEAR STORAGE (112)	-	-	A	MTL	H.M.	PT			H.M.	A	PT			KICK PLATE
113	914 x 2032 x 45	CORRIDOR (117)	SECURE STORAGE (113)	-	-	A	MTL	H.M.	PT			H.M.	A	PT			LOCK; KICK PLATE
114	915 x 2032 x 45	CORRIDOR (117)	OIC OFFICE (114)	-	-	A	MTL	H.M.	PT			H.M.	A	PT			KICK PLATE
115	915 x 2032 x 45	CORRIDOR (117)	ENG. OFFICE (115)	-	-	A	MTL	H.M.	PT			H.M.	A	PT			KICK PLATE
116	914 x 2032 x 45	CORRIDOR (116)	EXTERIOR	-	-	B	MTL	INSU.	PT		D.G. TEMP.	H.M.	A	PT			LOCK; CLOSER; KICK PLATE; THRESHOLD; WEATHER STRIPPING; SWEEP
117	914 x 2032 x 45	CORRIDOR (116)	CORRIDOR (117)	-	-	B	MTL	H.M.	PT		D.G. TEMP.	H.M.	A	PT			KICK PLATE
118	2-381 x 2032 x 45	(118)	CORRIDOR (117)	45min.	-	C	MTL	H.M.	PT			H.M.	B	PT			KICK PLATE

SCHEDULE ABBREVIATIONS:					
ALUM.	ALUMINUM	HDWR	HARDWARE	OBS.	OBSOBE
ANOD.	ANODIZED	INSUL.	INSULATED	P.O.	POWER OPERATED
ARG.	ARGON FILL	LAM.	LAMINATED	PT.	PAINT
D.G.	DOUBLE GLAZED	L.E.	LOW EMISSIVITY	T.B.	THERMALLY BROKEN
FRR	FIRE RESISTANCE RATING	MATL	MATERIAL	TEMP.	TEMPERED
GLAZ.	GLAZING (OR GLAZED)	MIN.	MINUTES or MINIMUM	WD.	WOOD
H.M.	HOLLOW METAL	NAT.	NATURAL		

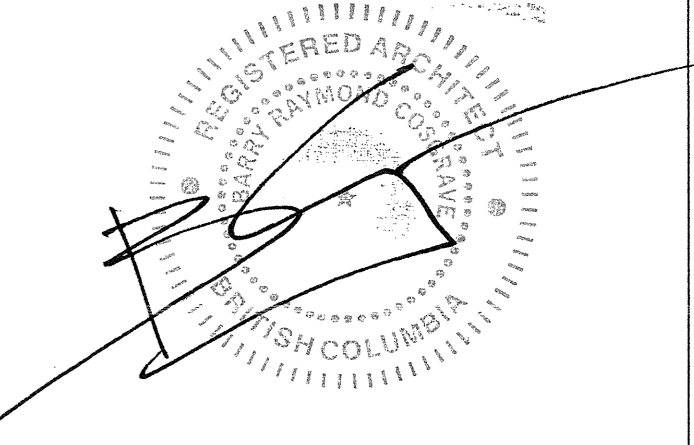


WINDOW SCHEDULE							
NUM.	R.O. SIZE (W x H)	TYPE	FRAME MATL	GLAZING	FINISH	COLOR	REMARKS
100	1219x1219 mm	D	VINYL	D.G.		WHITE	
101	764x1219 mm	B	VINYL	D.G.			
102	1524x1219 mm	C	VINYL	D.G.			
103	914x1219 mm	A	VINYL	D.G.			
104	1219x1219 mm	E	VINYL	D.G.			
105	764x503 mm	F	VINYL	D.G.			
106	1219x1219 mm	E	VINYL	D.G.			
107	1219x1219 mm	E	VINYL	D.G.			
108	619x1219 mm	G	VINYL	D.G.			



FINISH SCHEDULE																								
NUM.	ROOM NAME	FLOOR		BASE		CEILING			NORTH WALL			EAST WALL			SOUTH WALL			WEST WALL			REMARKS			
		FINISH	COLOR	MATERIAL	SIZE	COLOR	MATERIAL	FINISH	COLOR	MATERIAL	FINISH	COLOR	MATERIAL	FINISH	COLOR	MATERIAL	FINISH	COLOR	MATERIAL	FINISH		COLOR		
100	CREW OFFICE	S.R.		RUBBER	100mm		M.P.	PRE-FINISHED	WHITE	M.P.		GWB.	PAINT		M.P.	PRE-FINISH		GWB.	PAINT		GWB.	PAINT		
101	WORK SHOP	S.R.		RUBBER	100mm		M.P.	PRE-FINISHED	WHITE	GWB.	PAINT		M.P.	PRE-FINISH		GWB.	PAINT		GWB.	PAINT		GWB.	PAINT	
102	MEETING ROOM	S.R.		RUBBER	100mm		M.P.	PRE-FINISHED	WHITE	GWB.	PAINT		M.P.	PRE-FINISH		GWB.	PAINT		GWB.	PAINT		GWB.	PAINT	
103	COPY RM.	S.R.		RUBBER	100mm		M.P.	PRE-FINISHED	WHITE	GWB.	PAINT		M.P.	PRE-FINISH		GWB.	PAINT		GWB.	PAINT		GWB.	PAINT	
104	MECH./ELEC.	S.R.		RUBBER	100mm		M.P.	PRE-FINISHED	WHITE	GWB.	PAINT		GWB.	PAINT		M.P.	PRE-FINISH		GWB.	PAINT		GWB.	PAINT	
105	WIC	S.R.		RUBBER	100mm		M.P.	PRE-FINISHED	WHITE	GWB.	PAINT		GWB.	PAINT		M.P.	PRE-FINISH		GWB.	PAINT		GWB.	PAINT	
106	WC	S.R.		RUBBER	100mm		M.P.	PRE-FINISHED	WHITE	GWB.	PAINT		GWB.	PAINT		M.P.	PRE-FINISH		GWB.	PAINT		M.P.	PRE-FINISH	
107	SHOWER	S.R.		RUBBER	100mm		M.P.	PRE-FINISHED	WHITE	GWB.	PAINT		GWB.	PAINT		GWB.	PAINT		GWB.	PAINT		GWB.	PAINT	
108	CHANGE RM.	S.R.		RUBBER	100mm		M.P.	PRE-FINISHED	WHITE	GWB.	PAINT		GWB.	PAINT		GWB.	PAINT		GWB.	PAINT		GWB.	PAINT	
109	CHANGE RM.	S.R.		RUBBER	100mm		M.P.	PRE-FINISHED	WHITE	M.P.	PRE-FINISH		GWB.	PAINT		M.P.	PRE-FINISH		GWB.	PAINT		GWB.	PAINT	
110	DRYING RM.	S.R.		RUBBER	100mm		M.P.	PRE-FINISHED	WHITE	GWB.	PAINT		GWB.	PAINT		GWB.	PAINT		GWB.	PAINT		GWB.	PAINT	
111	SHOWER	S.R.		RUBBER	100mm		M.P.	PRE-FINISHED	WHITE	GWB.	PAINT		GWB.	PAINT		GWB.	PAINT		GWB.	PAINT		GWB.	PAINT	
112	GEAR STORAGE	S.R.		RUBBER	100mm		M.P.	PRE-FINISHED	WHITE	M.P.	PRE-FINISH		GWB.	PAINT		GWB.	PAINT		GWB.	PAINT		GWB.	PAINT	
113	SECURE STORAGE	S.R.		RUBBER	100mm		M.P.	PRE-FINISHED	WHITE	GWB.	PAINT		GWB.	PAINT		GWB.	PAINT		GWB.	PAINT		GWB.	PAINT	
114	OIC OFFICE	S.R.		RUBBER	100mm		M.P.	PRE-FINISHED	WHITE	M.P.	PRE-FINISH		GWB.	PAINT		GWB.	PAINT		GWB.	PAINT		GWB.	PAINT	
115	ENG. OFFICE	S.R.		RUBBER	100mm		M.P.	PRE-FINISHED	WHITE	M.P.	PRE-FINISH		GWB.	PAINT		GWB.	PAINT		GWB.	PAINT		GWB.	PAINT	
116	CORRIDOR	S.R.		RUBBER	100mm		G.W.B.	PAINT	2438	GWB.	PAINT		GWB.	PAINT		GWB.	PAINT		GWB.	PAINT		GWB.	PAINT	
117	CORRIDOR	S.R.		RUBBER	100mm		G.W.B.	PAINT	2438	GWB.	PAINT		GWB.	PAINT		GWB.	PAINT		GWB.	PAINT		GWB.	PAINT	
118				RUBBER	100mm					GWB.	PAINT		GWB.	PAINT		GWB.	PAINT		GWB.	PAINT		GWB.	PAINT	

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



Revision/Revision	Description/Description	Date/Date
3	TENDER	2016-19-19
2	95% REVIEW	2016-08-15
1	66% REVIEW	2016-07-25

**FISHERIES AND OCEANS,  
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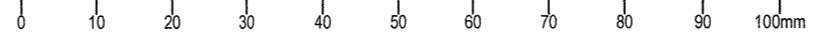
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 Gestionnaire régional, Services d'architectural et de génie, TPSGC  
**PREETIPAL PAUL**

**DOOR, WINDOW,  
 & FINISH SCHEDULE**

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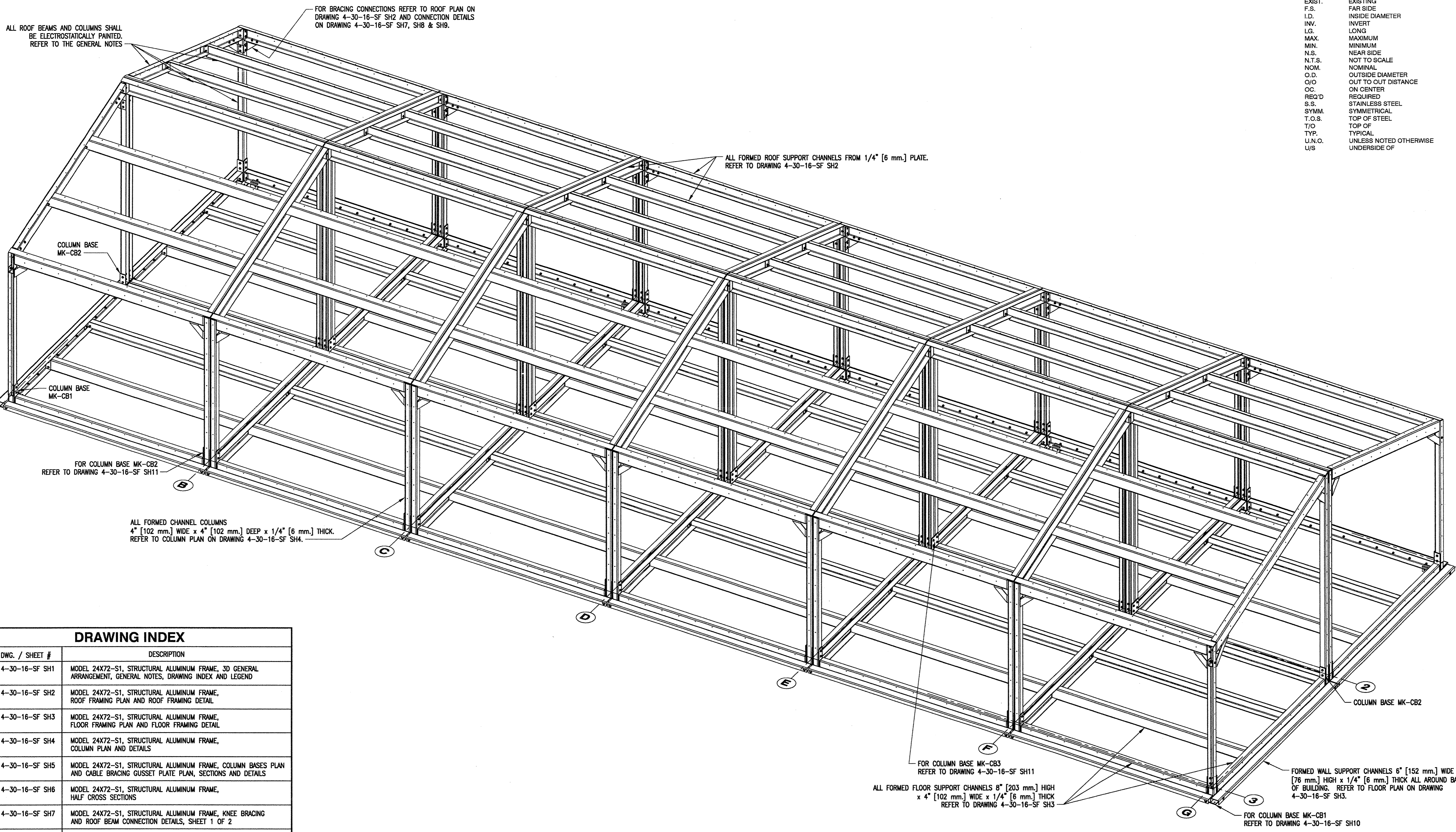


**GENERAL NOTES**

- [A] DESIGN**
- CONSTRUCTION AND DESIGN SHALL CONFORM TO NATIONAL BUILDING CODE OF CANADA [2010], PART 9.
  - SNOW LOAD : SS = 169 P.S.F. [8.1 KPa], SR = 16.7 P.S.F. [0.8 KPa]; L/240 MAXIMUM LIVE-LOAD DEFLECTION; MAXIMUM SPAN 4 FT. [1.2m].
  - WIND LOAD: Q(1/50) = 13.4 P.S.F. [0.64 KPa]; L/180 MAXIMUM DEFLECTION; MAXIMUM SPAN 12 FT. [3.66m].
  - SEISMIC: S<sub>a</sub>(0.2) = 1.20
  - OCCUPANCY LOAD = 100 P.S.F. [4.8 KPa]; L/360 MAXIMUM DEFLECTION; MAXIMUM SPAN 4'-4" [1.32m].
- [B] METALS AND FABRICATION**
- UNLESS OTHERWISE NOTED, ONLY NEW MATERIALS SHALL BE USED.
  - THE ENGINEER MAY INSPECT MATERIALS AND PRODUCTS [EXCLUDING OWNER-SUPPLIED MATERIALS] AT HIS DISCRETION AT ALL STAGES OF THEIR MANUFACTURE, TRANSPORTATION AND ASSEMBLY. SATISFACTORY INSPECTION AT ANY STAGE DOES NOT PRECLUDE FUTURE REJECTION IF THE MATERIALS OR PRODUCTS ARE SUBSEQUENTLY FOUND TO LACK UNIFORMITY OR FAIL TO CONFORM TO THE REQUIREMENTS SPECIFIED.
  - ALUMINUM MANUFACTURING SOURCES AND CERTIFICATES SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND RECORD.
  - ALUMINUM ALLOY SHALL CONFORM TO THE ALUMINUM ASSOCIATION PUBLICATION "ALUMINUM STANDARDS AND DATA, ISO 6362-2".
  - ITEMS MANUFACTURED OR FABRICATED FROM SCRAP METAL OF UNKNOWN CHEMICAL COMPOSITION OR PHYSICAL PROPERTIES ARE NOT ACCEPTABLE.
  - ALUMINUM WELDING TO CSA W59.2M-M1991 [R2008] BY FABRICATORS QUALIFIED TO DIVISION 2 OF CSA W47.2
  - FABRICATION PRACTICES AND TOLERANCES SHALL FOLLOW THOSE OF STEEL, AS IN CSA STANDARD CAN3-S16.1-M
  - FORMING OF ALUMINUM SHALL BE CARRIED OUT AT ROOM TEMPERATURE.
  - ALL FORMED SHEET ALUMINUM INCLUDING BEAMS, COLUMNS AND BRACING SHALL BE LAD OUT AND CUT AS FLAT SHEET AND THEN BENT INTO FINAL SHAPE USING STANDARD AIR BRAKE BENDING DIES. ALL FLAT SHEET ALUMINUM COMPONENTS SHALL BE CUT BY THE CNC MILLING PROCESS. FLAME CUTTING AND PLASMA CUTTING WILL NOT BE PERMITTED FOR ALL MAJOR STRUCTURAL COMPONENTS.
  - ALL ALUMINUM PLATE 1/4" [6 mm.] OR LESS IN THICKNESS SHALL HAVE A MINIMUM PERMISSIBLE INSIDE BENDING RADIUS OF 1 1/2 TIMES THE MATERIAL THICKNESS. THE RADIUS IS THE MINIMUM RECOMMENDED FOR BENDING PLATES WITHOUT FRACTURING IN A STANDARD PRESS BRAKE WITH AIR BEND DIES. OTHER TYPES OF BENDING OPERATIONS MAY REQUIRE LARGER RADI. THE MINIMUM PERMISSIBLE RADI WILL ALSO VARY WITH THE DESIGN AND THE CONDITION OF TOOLING. FOR MORE DETAILED REQUIREMENTS REFER TO THE CONTRACT SPECIFICATIONS.
  - THE FABRICATOR SHALL PROVIDE TEST SAMPLES OF A FULL SIZE BEAM AND COLUMN TO THE ENGINEER FOR APPROVAL PRIOR TO PROCEEDING WITH THE PRODUCTION WORK. THE FABRICATOR SHALL DEMONSTRATE TO THE SATISFACTION OF THE ENGINEER'S DESIGNATED TESTING LAB THAT THE ALUMINUM PLATE BENDS ARE FREE OF STRESS FRACTURES.
  - BENDS SHALL BE SMOOTH WITHOUT SHARP KINKS. CRACKS SHALL BE CAUSE FOR REJECTION IF THE CRACK LIES IN A ZONE THAT IS STRESSED IN SERVICE.
  - SUBMIT SHOP DRAWINGS BEARING STAMP AND SIGNATURE OF QUALIFIED PROFESSIONAL ENGINEER REGISTERED OR LICENSED IN THE PROVINCE OF BC
  - STAINLESS STEEL BOLTS SHALL CONFORM TO A316.
  - ALL STRUCTURAL BOLTS, NUTS AND WASHERS SHALL A316 GRADE STAINLESS STEEL HEXAGON HEAD FASTENERS.
  - ALUMINUM EXTRUSIONS AND PLATE THICKER THAN 1/4" [6 mm.] SHALL BE ALCAN STRUCTURAL ALLOY 6061-T6.
  - ALL BENT ALUMINUM SHEET [1/4 mm. OR LESS] SHALL BE ALCAN ALLOY 5052-H32.
  - SAMPLE TESTING SHALL BE CONDUCTED BY THE ENGINEER'S DESIGNATED CERTIFIED TESTING SERVICES PROVIDER.
  - ALUMINUM FABRICATION AND ASSEMBLY SHALL CONFORM TO C.S.A. SPECIFICATION S157.
  - ALUMINUM WELDING SHALL BE EITHER: GMW [MIG] OR GTAW [TIG] PROCESS USING 5356 FILLER ROD.
  - ALL BURRS, SHARP CORNERS, ROUGH EDGES & WELD SPATTER TO BE GROUND SMOOTH.
- [C] PAINT**
- ALL ROOF BEAMS AND COLUMNS SHALL BE ELECTROSTATICALLY PAINTED [POWDER COATED], COLOUR: WHITE, SHEEN: GLOSS.
  - ALL ALUMINUM SURFACES THAT REQUIRE POWDER COATING SHALL BE PREPARED BY SAND BLASTING AND PRETREATMENT.
  - PAINTING SHALL BE THE SAME OR EQUIVALENT TO AMERICAN ARCHITECTURAL MANUFACTURERS ASSOCIATION SPECIFICATION AAMA 2604 OR APPROVED EQUAL.
- [D] ERECTION**
- THE ERECTOR SHALL MAINTAIN BUILDING SQUARENESS WILL ERECTING THE STRUCTURAL FRAME. THE ERECTOR SHALL PROVIDE DETAILS TO THE ENGINEER OF THE METHOD USED TO KEEP THE BUILDING SQUARE DURING AND AFTER ERECTION. TEMPORARY BRACING IN THE FORM OF TENSION WIRES AND TURNBUCKLES MAY BE USED BUT MUST BE KEPT CLEAR OF THE EXTERIOR FACE OF THE STRUCTURE TO PROVIDE SPACE FOR THE BUILDING ENVELOPE TO BE INSTALLED. EXTRA HOLES MAY BE ADDED TO THE FRAMEWORK TO INSTALL BRACING BUT HOLE SIZE AND LOCATIONS MUST BE APPROVED BY THE ENGINEER. AFTER THE BUILDING ENVELOPE HAS BEEN INSTALLED THE TEMPORARY BRACING SHALL BE REMOVED.

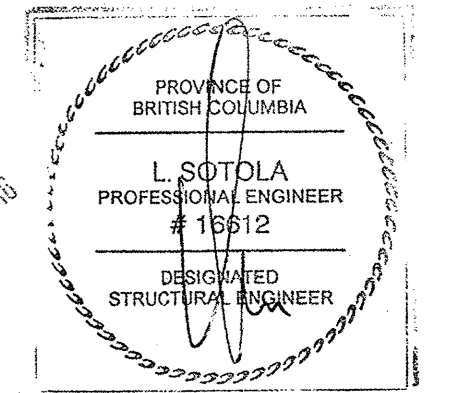
**LEGEND (NOT ALL SYMBOLS USED)**

B/	BACK OF
B/O	BOTTOM OF
C/O	CENTER TO OUT DISTANCE
C/W	COMPLETE WITH
COL.	COLUMN
CONN.	CONNECTION
CONT.	CONTINUOUS
DWG.	DRAWING
EL.	ELEVATION
EFS	EXPANDED POLYSTYRENE
EXIST.	EXISTING
F.S.	FAR SIDE
I.D.	INSIDE DIAMETER
INV.	INVERT
LG.	LONG
MAX.	MAXIMUM
MIN.	MINIMUM
N.T.S.	NOT TO SCALE
NOM.	NOMINAL
O.D.	OUTSIDE DIAMETER
O/O	OUT TO OUT DISTANCE
OC	ON CENTER
REQ'D	REQUIRED
S.S.	STAINLESS STEEL
SYMM.	SYMMETRICAL
T.O.S.	TOP OF
T/O	TOP OF
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
U/S	UNDERSIDE OF



DRAWING INDEX	
DWG. / SHEET #	DESCRIPTION
4-30-16-SF SH1	MODEL 24X72-S1, STRUCTURAL ALUMINUM FRAME, 3D GENERAL ARRANGEMENT, GENERAL NOTES, DRAWING INDEX AND LEGEND
4-30-16-SF SH2	MODEL 24X72-S1, STRUCTURAL ALUMINUM FRAME, ROOF FRAMING PLAN AND ROOF FRAMING DETAIL
4-30-16-SF SH3	MODEL 24X72-S1, STRUCTURAL ALUMINUM FRAME, FLOOR FRAMING PLAN AND FLOOR FRAMING DETAIL
4-30-16-SF SH4	MODEL 24X72-S1, STRUCTURAL ALUMINUM FRAME, COLUMN PLAN AND DETAILS
4-30-16-SF SH5	MODEL 24X72-S1, STRUCTURAL ALUMINUM FRAME, COLUMN BASES PLAN AND CABLE BRACING GUSSET PLATE PLAN, SECTIONS AND DETAILS
4-30-16-SF SH6	MODEL 24X72-S1, STRUCTURAL ALUMINUM FRAME, HALF CROSS SECTIONS
4-30-16-SF SH7	MODEL 24X72-S1, STRUCTURAL ALUMINUM FRAME, KNEE BRACING AND ROOF BEAM CONNECTION DETAILS, SHEET 1 OF 2
4-30-16-SF SH8	MODEL 24X72-S1, STRUCTURAL ALUMINUM FRAME, KNEE BRACING AND ROOF BEAM CONNECTION DETAILS, SHEET 2 OF 2
4-30-16-SF SH9	MODEL 24X72-S1, STRUCTURAL ALUMINUM FRAME, ROOF FRAMING AND FLOOR FRAMING, SECTIONS AND DETAILS
4-30-16-SF SH10	MODEL 24X72-S1, STRUCTURAL ALUMINUM FRAME, COLUMN BASE MK-CB1, SECTIONS AND DETAILS
4-30-16-SF SH11	MODEL 24X72-S1, STRUCTURAL ALUMINUM FRAME, COLUMN BASE MK-CB2 AND COLUMN BASE MK-CB3, SECTIONS AND DETAILS

**3D VIEW - PARALLEL PROJECTION**  
SCALE: NONE



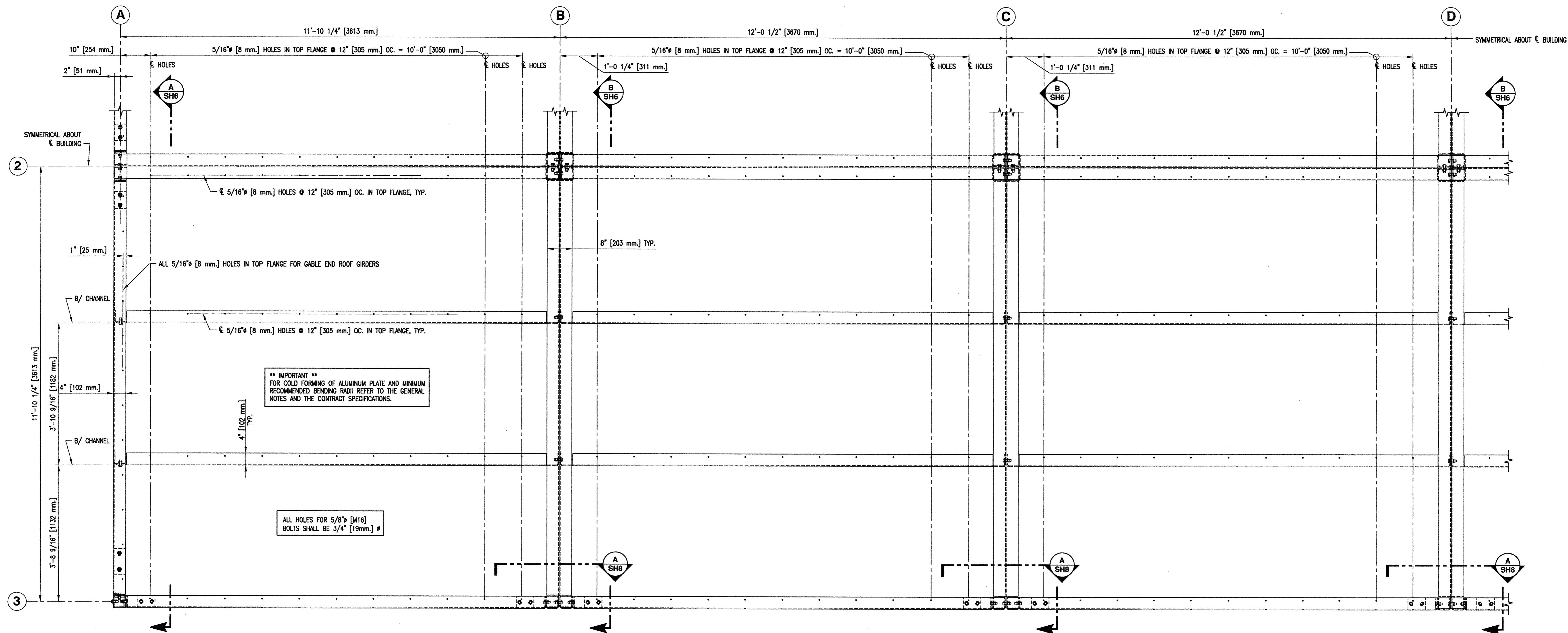
**FISHERIES AND OCEANS CANADA**  
REAL PROPERTY, SAFETY & SECURITY

**PREFABRICATED BUILDING**  
**MODEL 24X72-S1**  
**STRUCTURAL ALUMINUM FRAME**  
**3D GENERAL ARRANGEMENT**  
**GENERAL NOTES, DRAWING INDEX**  
**AND LEGEND**

DESIGNED M. Liang	SCALE NONE
DRAWN G. Reichhardt	
CHECKED	DATE MAY 11, 2015
RECOMMENDED	DWG. NUMBER 4-30-16-SF
APPROVED	SHEET 1 of 11
APPROVED	SIZE D
	REVISION

DWG. NO.	DRAWING REFERENCES	NOTES	NO.	DATE	REVISIONS

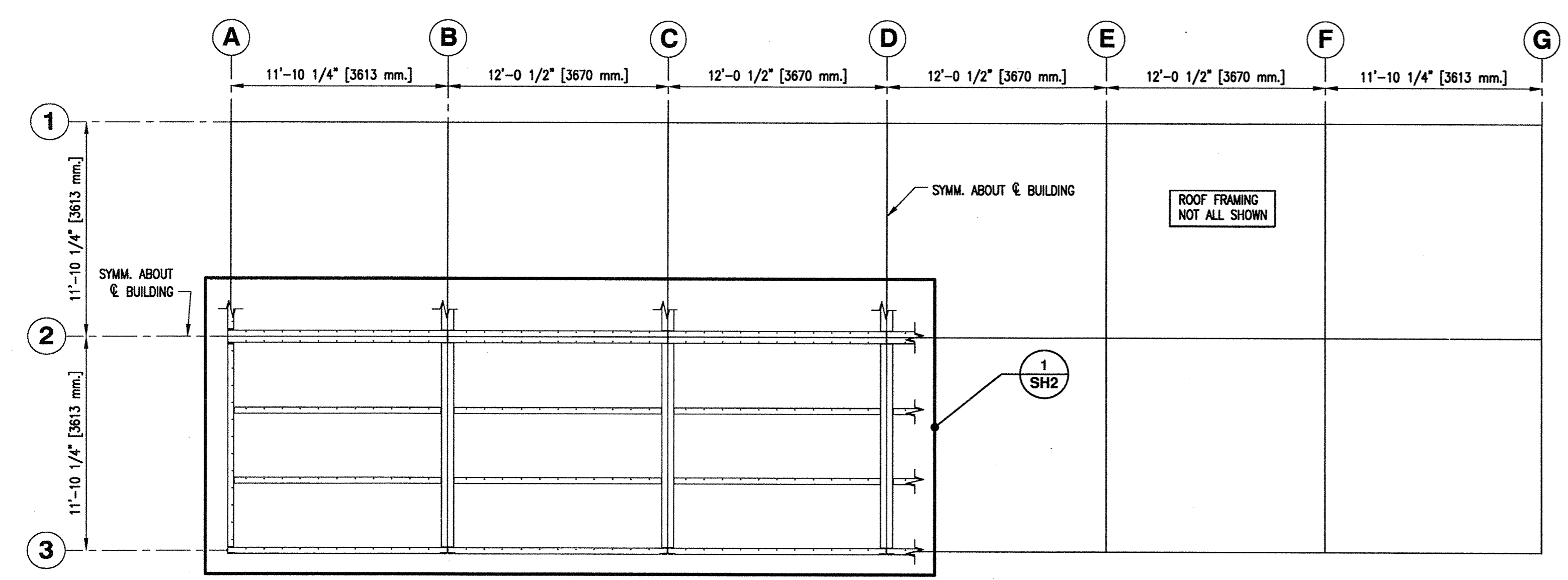




**\*\* IMPORTANT \*\***  
 FOR COLD FORMING OF ALUMINUM PLATE AND MINIMUM  
 RECOMMENDED BENDING RADII REFER TO THE GENERAL  
 NOTES AND THE CONTRACT SPECIFICATIONS.

ALL HOLES FOR 5/8" [M16]  
 BOLTS SHALL BE 3/4" [19mm] Ø

**ROOF FRAMING DETAIL** 1 SH2 [1/4 ROOF PLAN]  
 SCALE 1:16



**ROOF FRAMING PLAN**  
 SCALE 1:64

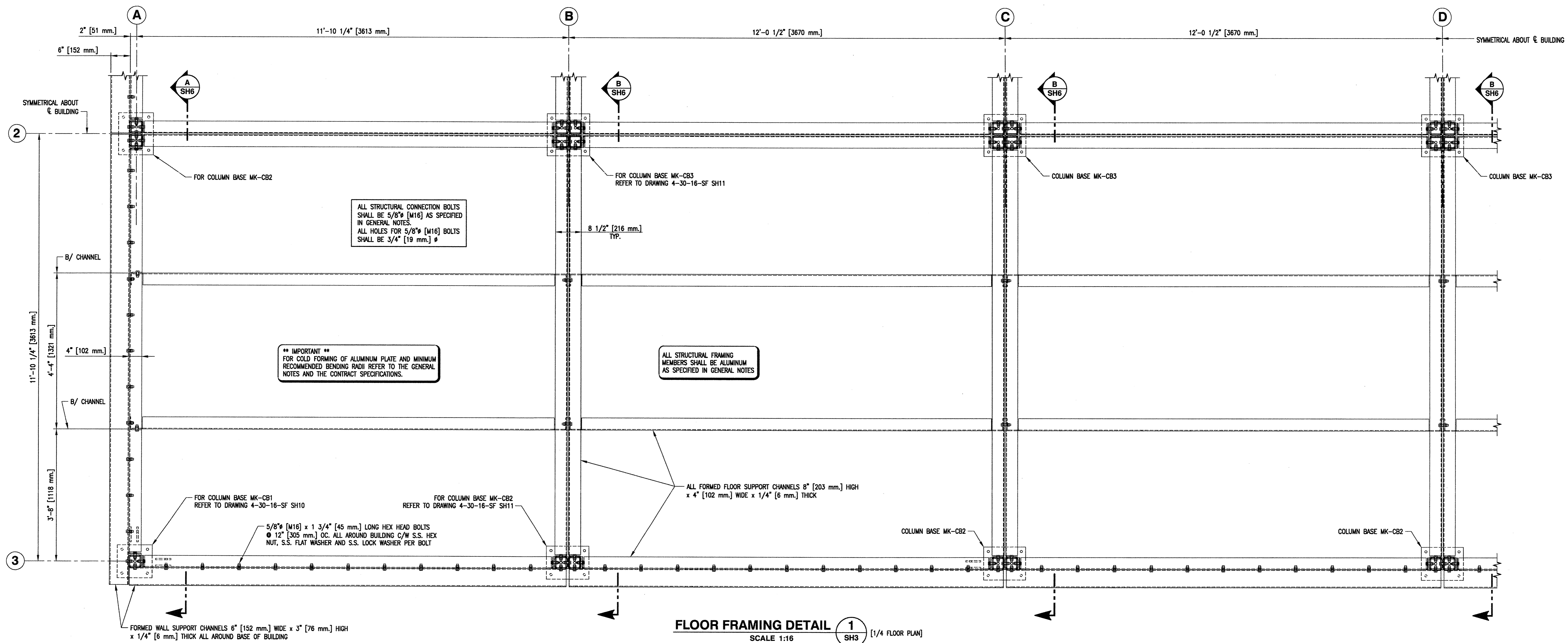
PROVINCE OF  
 BRITISH COLUMBIA  
 L. SCOTLA  
 PROFESSIONAL ENGINEER  
 # 15512  
 DESIGNATED  
 STRUCTURAL ENGINEER  
 MAY 05 2015

<b>FISHERIES AND OCEANS CANADA</b> REAL PROPERTY, SAFETY & SECURITY	
<b>PREFABRICATED BUILDING</b> MODEL 24X72-S1 <b>STRUCTURAL ALUMINUM FRAME</b> ROOF FRAMING PLAN AND ROOF FRAMING DETAIL	SCALE AS NOTED DATE MAY 11, 2015 DWG. NUMBER SHEET 4-30-16-SF 2 of 11 SIZE D
DESIGNED M. Liang DRAWN G. Reichhardt CHECKED RECOMMENDED APPROVED	REVISION

1. FOR GENERAL NOTES AND LEGEND REFER TO DRAWING 4-30-16-SF SH1.

DWG. NO.	DRAWING REFERENCES	NOTES	NO.	DATE	REVISIONS



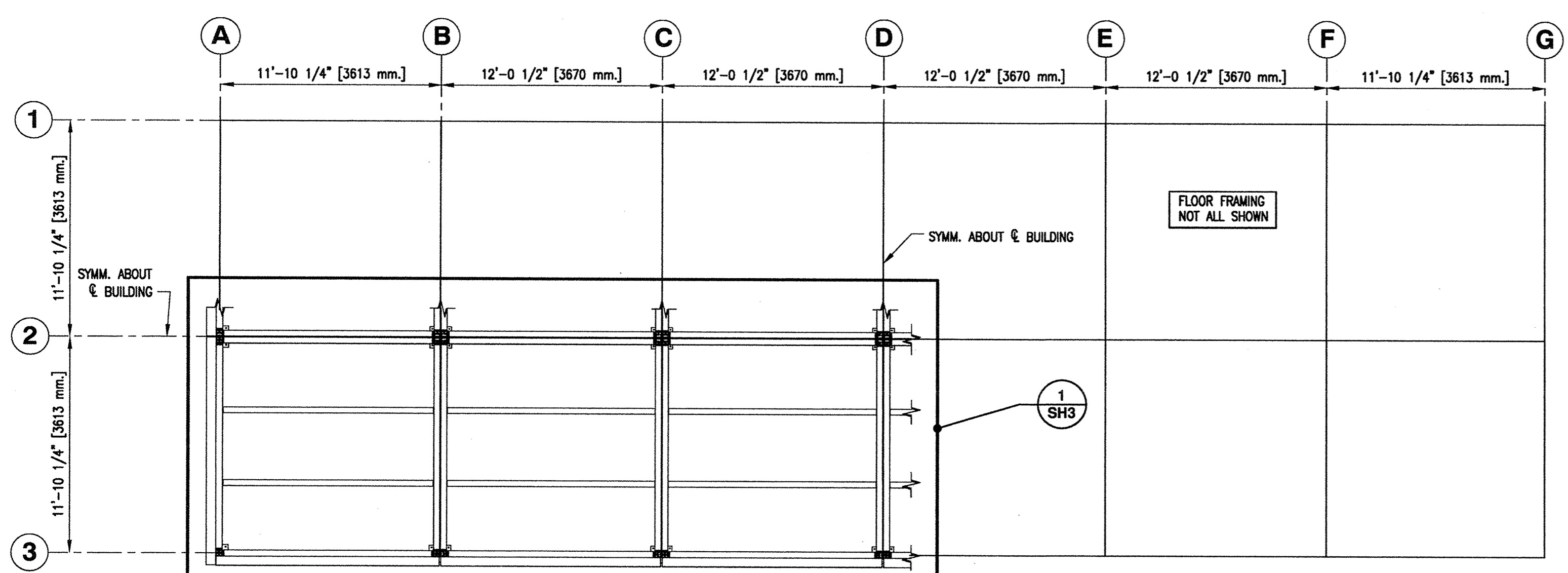


ALL STRUCTURAL CONNECTION BOLTS SHALL BE 5/8" [M16] AS SPECIFIED IN GENERAL NOTES. ALL HOLES FOR 5/8" [M16] BOLTS SHALL BE 3/4" [19 mm.] Ø

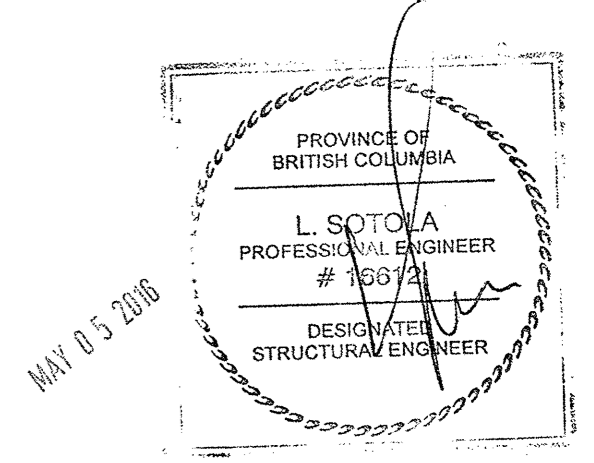
**\*\* IMPORTANT \*\***  
FOR COLD FORMING OF ALUMINUM PLATE AND MINIMUM RECOMMENDED BENDING RADII REFER TO THE GENERAL NOTES AND THE CONTRACT SPECIFICATIONS.

ALL STRUCTURAL FRAMING MEMBERS SHALL BE ALUMINUM AS SPECIFIED IN GENERAL NOTES

**FLOOR FRAMING DETAIL 1**  
SCALE 1:16 (1/4 FLOOR PLAN)



**FLOOR FRAMING PLAN**  
SCALE 1:84



**FISHERIES AND OCEANS CANADA**  
REAL PROPERTY, SAFETY & SECURITY

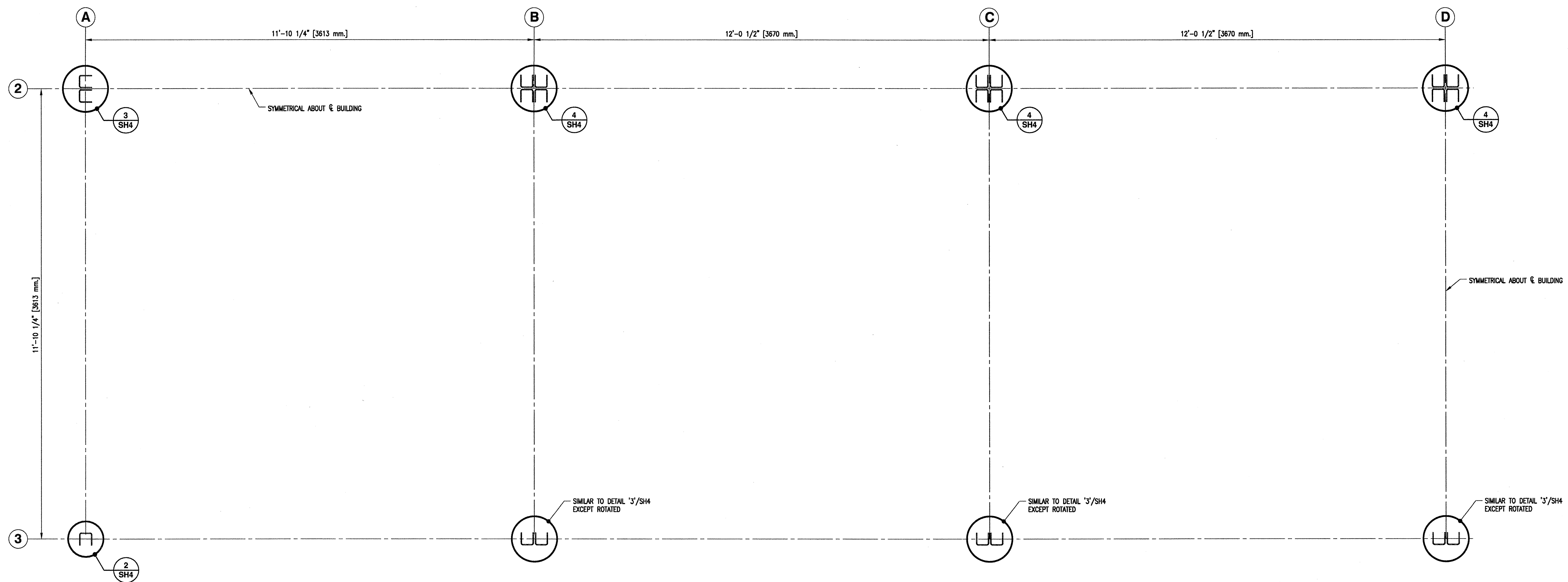
**PREFABRICATED BUILDING**  
MODEL 24X72-S1  
**STRUCTURAL ALUMINUM FRAME**  
FLOOR FRAMING PLAN AND  
FLOOR FRAMING DETAIL

SCALE	AS NOTED
DATE	MAY 11, 2015
DWG. NUMBER	4-30-16-SF
SHEET	3 of 11
SIZE	D
REVISION	

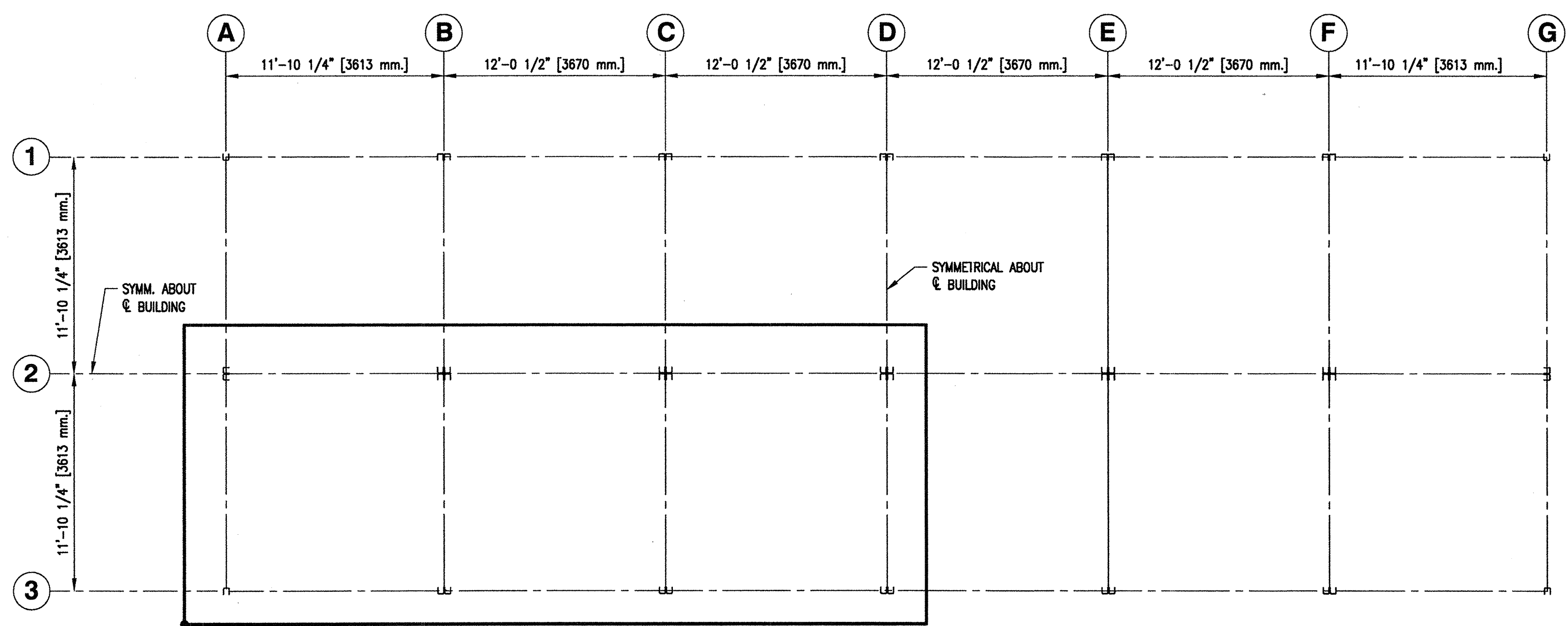
1. FOR GENERAL NOTES AND LEGEND REFER TO DRAWING 4-30-16-SF SH1.

DWG. NO.	DRAWING REFERENCES	NOTES	NO.	DATE	REVISIONS

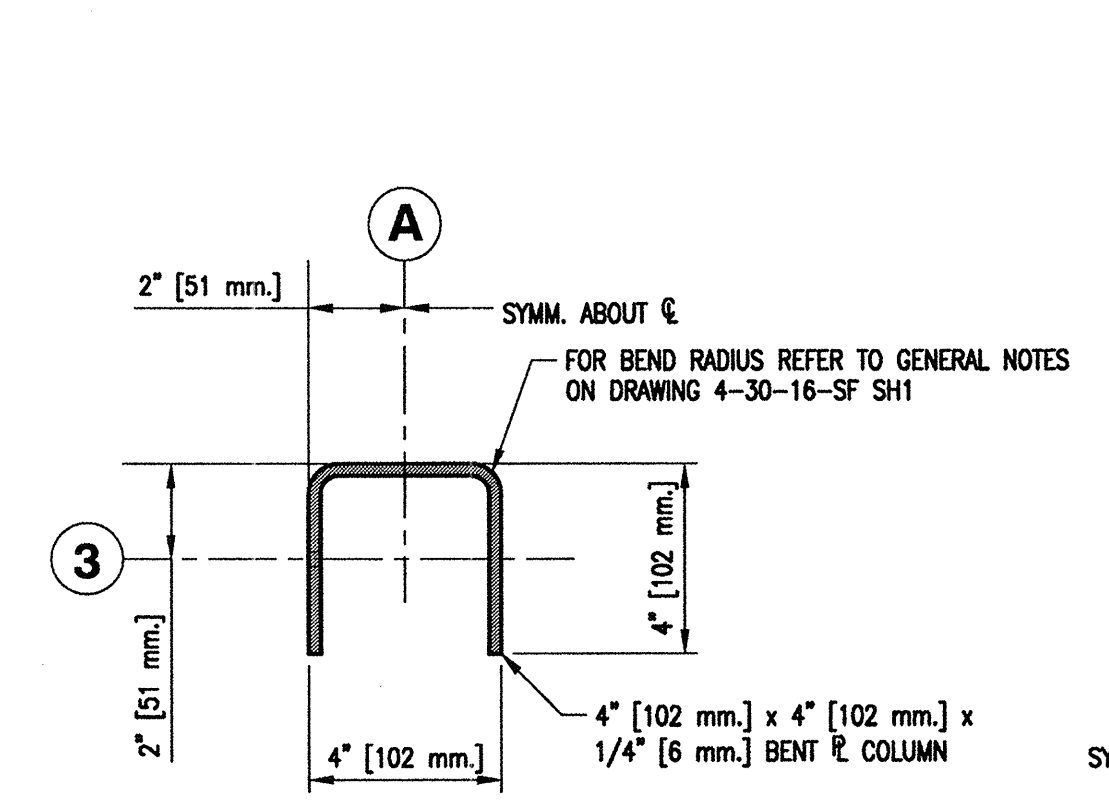
DESIGNED	M. Liang
DRAWN	G. Reichardt
CHECKED	
RECOMMENDED	
APPROVED	
APPROVED	



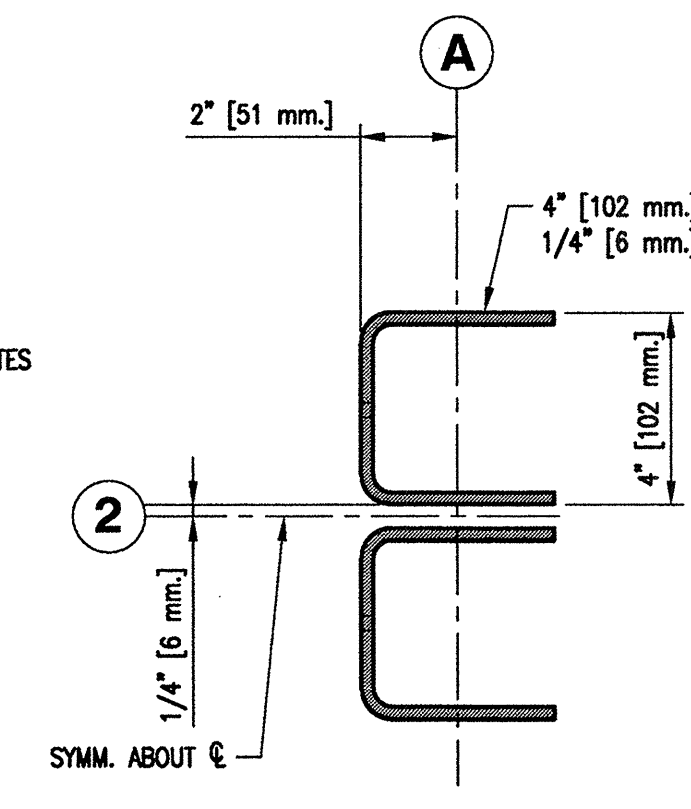
**DETAIL 1**  
SCALE 1:16  
SH4



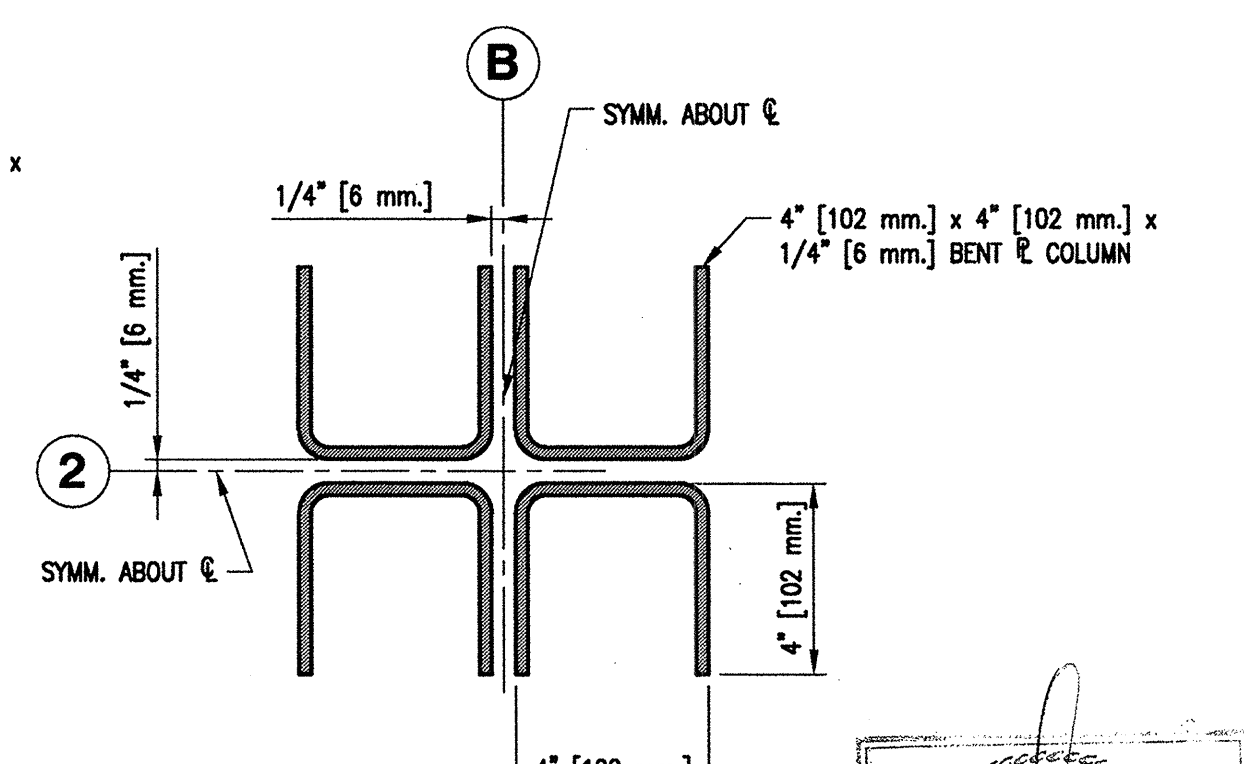
**COLUMN PLAN**  
SCALE 1:64



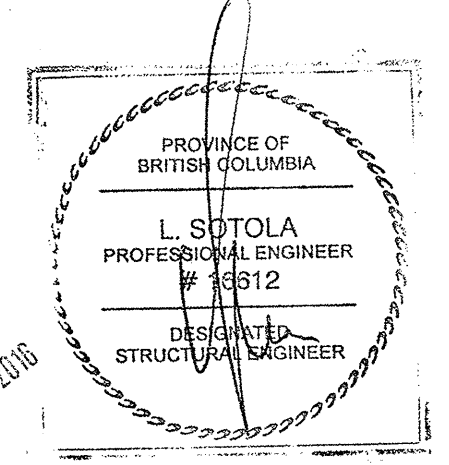
**DETAIL 2**  
SCALE 1:4  
SH4



**DETAIL 3**  
SCALE 1:4  
SH4



**DETAIL 4**  
SCALE 1:4  
SH4



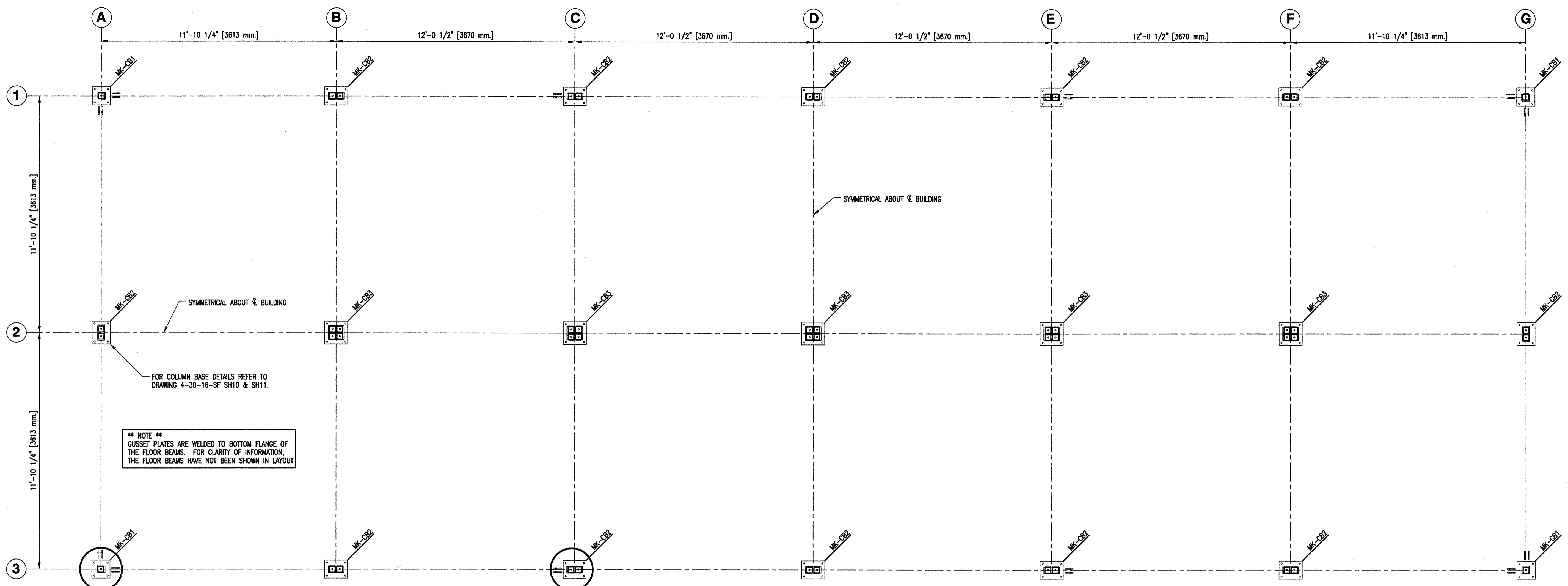
1. FOR GENERAL NOTES AND LEGEND REFER TO DRAWING 4-30-16-SF SH1.

**\*\* IMPORTANT \*\***  
FOR COLD FORMING OF ALUMINUM PLATE AND  
MINIMUM RECOMMENDED BENDING RADII REFER TO THE  
GENERAL NOTES AND THE CONTRACT SPECIFICATIONS.

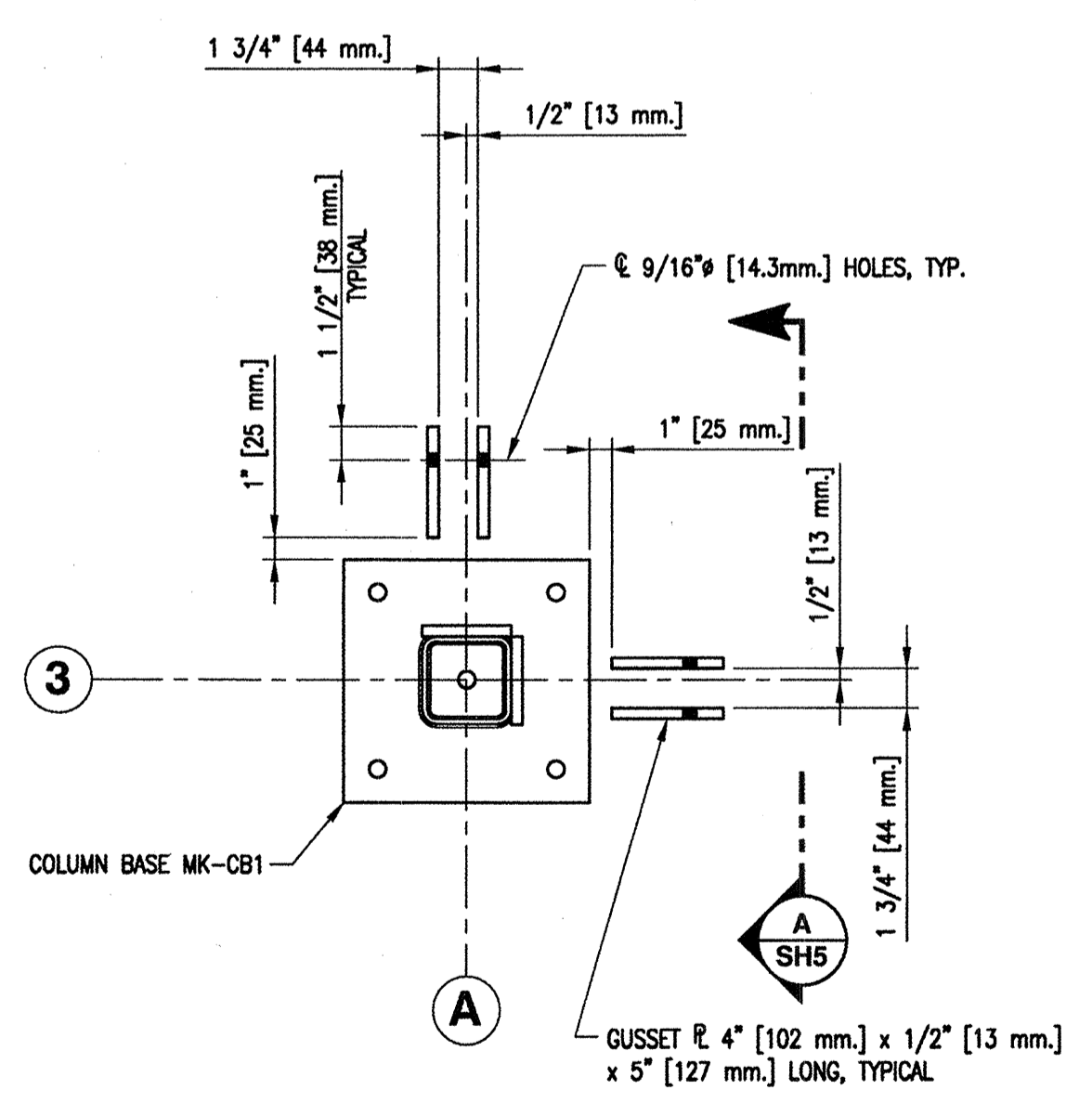
<b>FISHERIES AND OCEANS CANADA</b> REAL PROPERTY, SAFETY & SECURITY		SCALE	AS NOTED
		DATE	MAY 11, 2015
DWG. NUMBER <b>4-30-16-SF</b>	SHEET <b>4 of 11</b> SIZE <b>D</b>	DWG. NUMBER	4-30-16-SF
		REVISION	

DWG. NO.	DRAWING REFERENCES	NOTES	NO.	DATE	REVISIONS

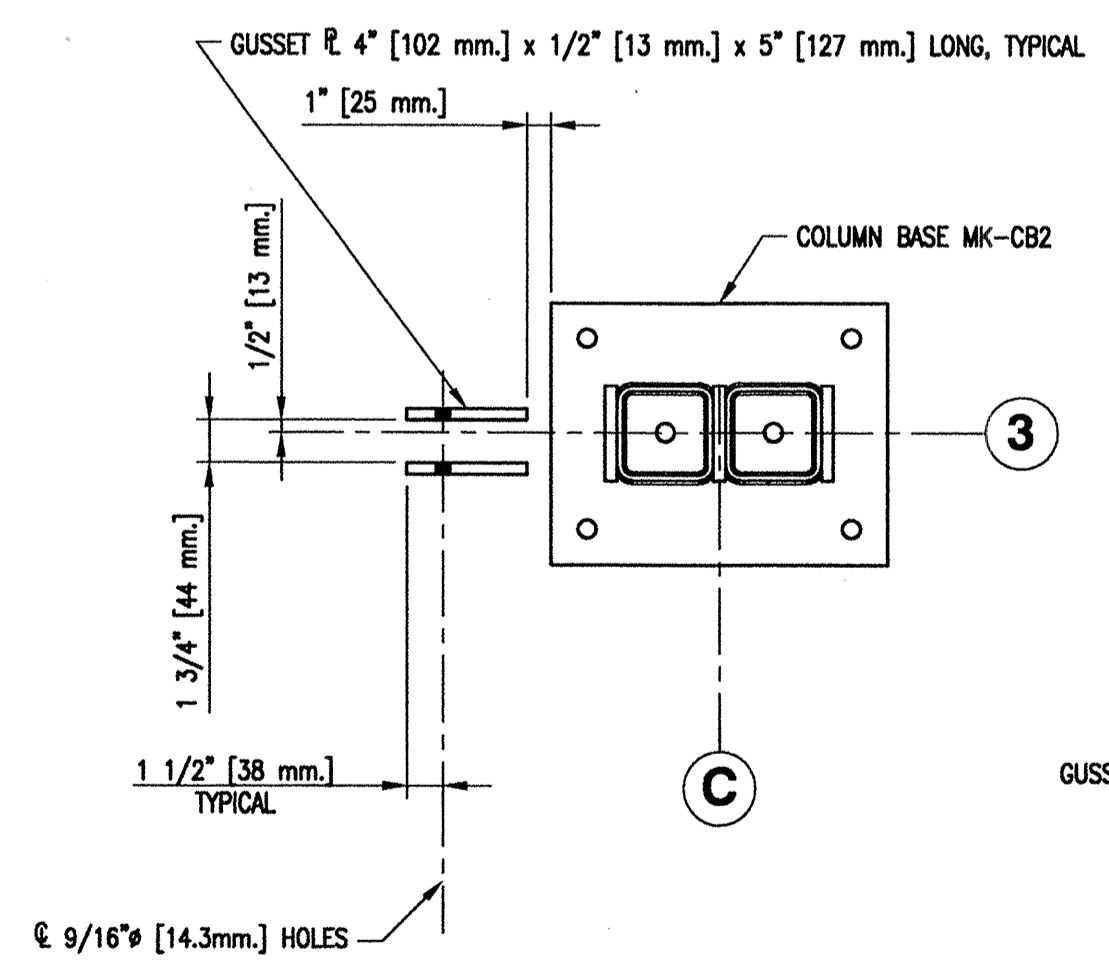




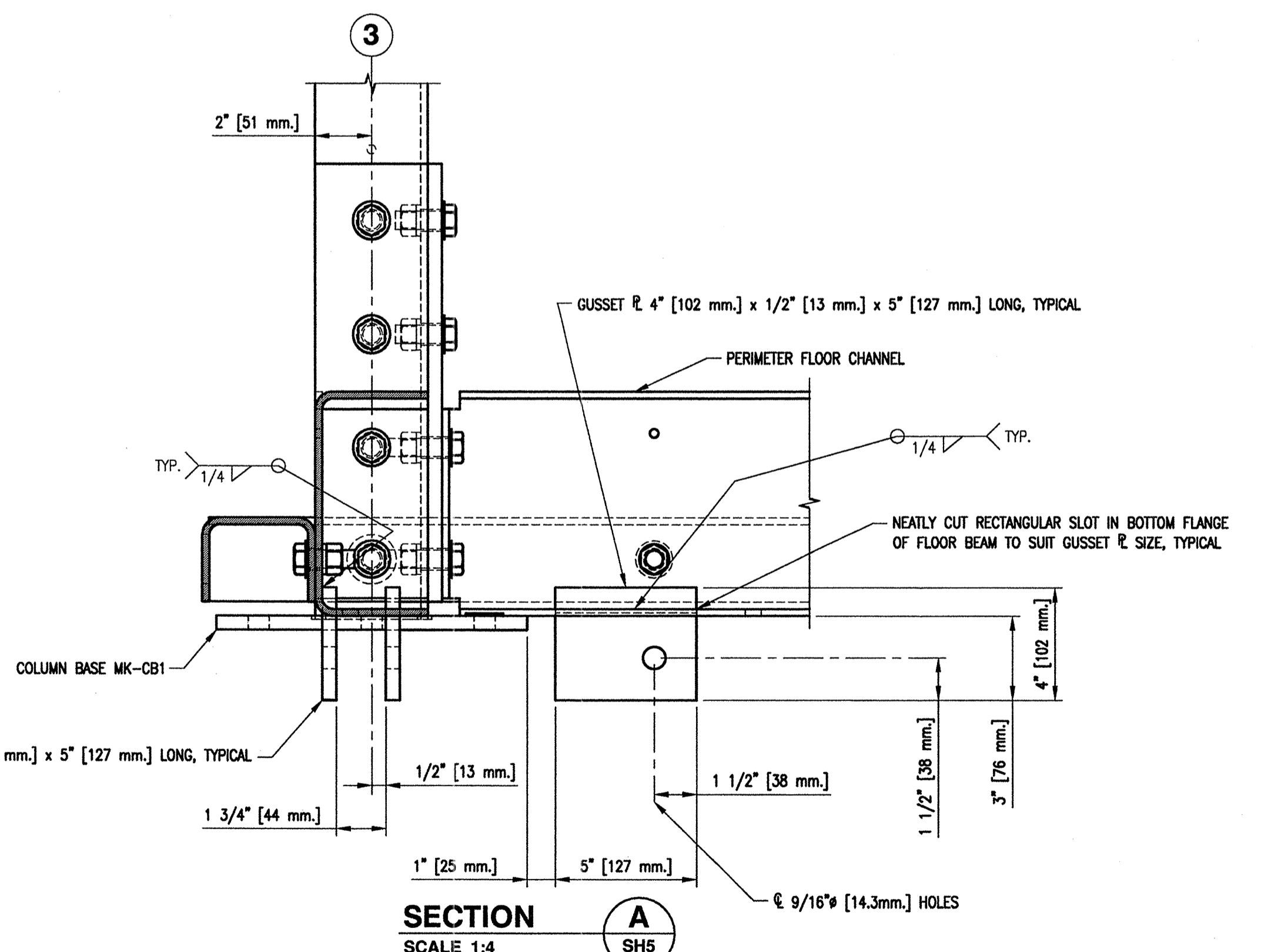
**COLUMN BASES AND CABLE BRACING GUSSET PLATE PLAN**  
SCALE 1:32



**DETAIL 1**  
SCALE 1:8  
SH5 (FOUR [4] LOCATIONS)

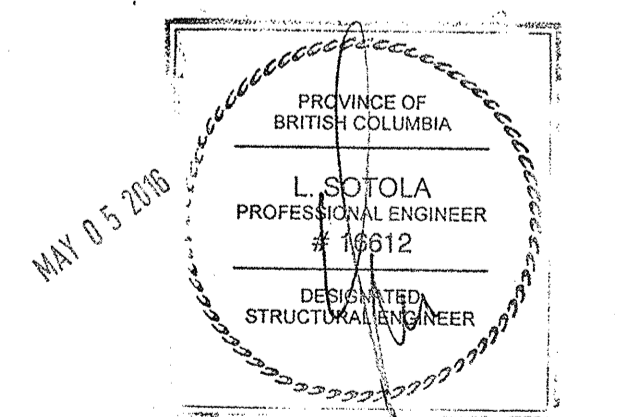


**DETAIL 2**  
SCALE 1:8  
SH5 (FOUR [4] LOCATIONS)



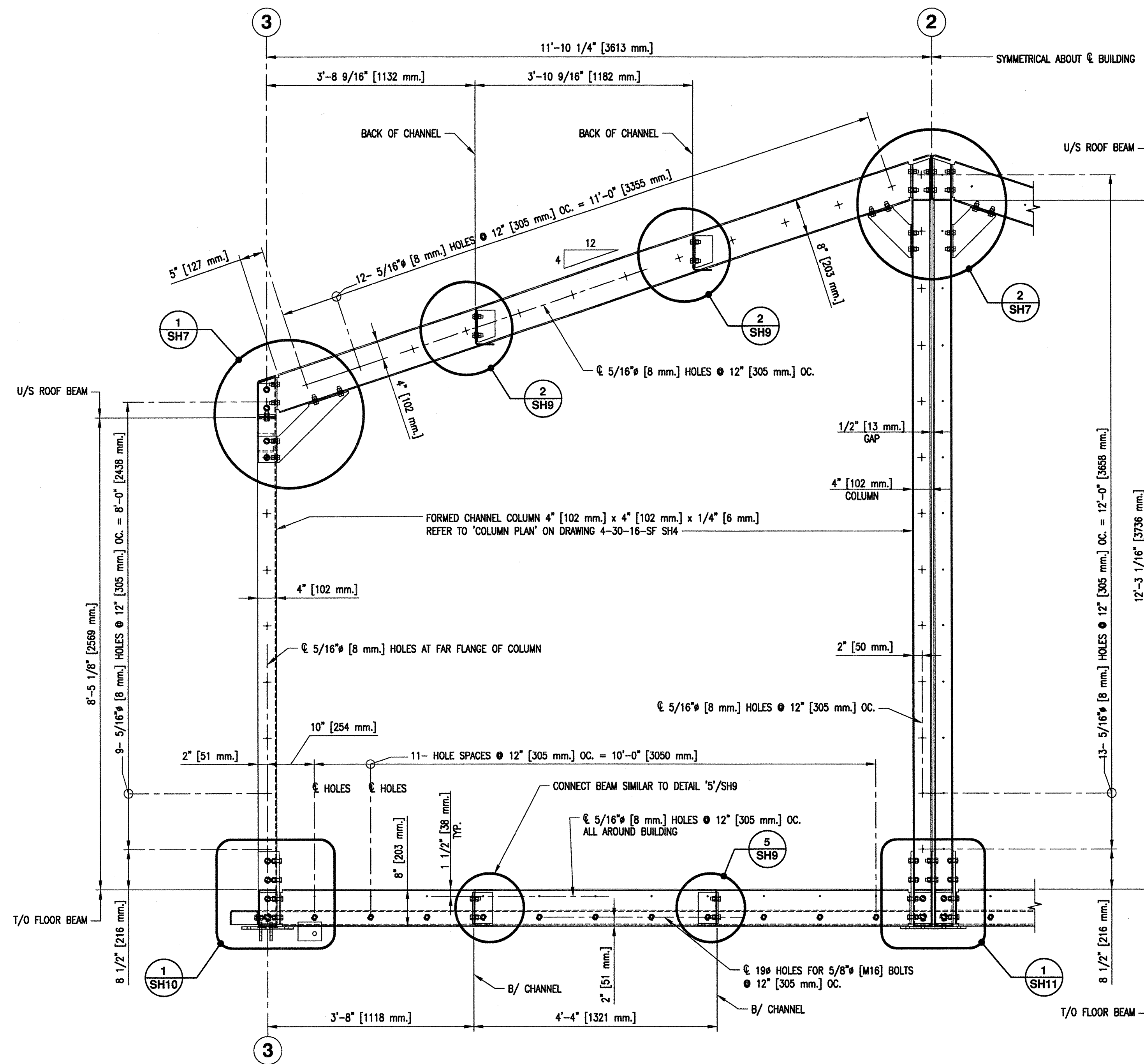
**SECTION A**  
SCALE 1:4  
SH5

**TYPICAL GUSSET PLATE CONNECTIONS TO FLOOR BEAMS**



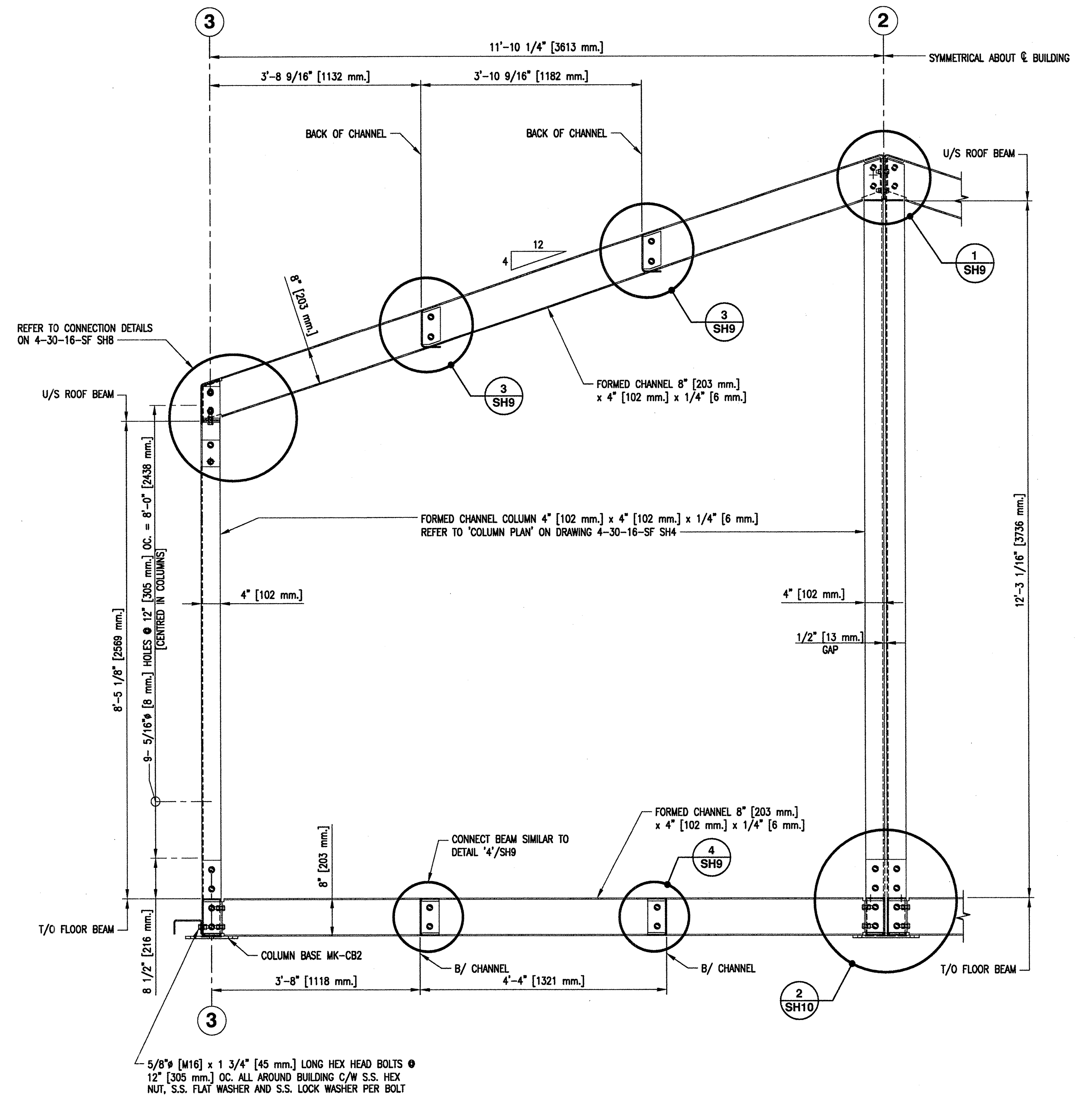
DWG. NO.	DRAWING REFERENCES	NOTES	NO.	DATE	REVISIONS
		1. FOR GENERAL NOTES AND LEGEND REFER TO DRAWING 4-30-16-SF SH1.			

<b>FISHERIES AND OCEANS CANADA</b> REAL PROPERTY, SAFETY & SECURITY		SCALE AS NOTED	
		DATE MAY 11, 2015	
DESIGNED M. Liang DRAWN G. Reichhardt CHECKED RECOMMENDED APPROVED APPROVED	<b>PREFABRICATED BUILDING          MODEL 24X72-S1          STRUCTURAL ALUMINUM FRAME          COLUMN BASES PLAN AND          CABLE BRACING GUSSET PLATE PLAN          SECTION AND DETAILS</b>		DWG. NUMBER <b>4-30-16-SF</b>
	SHEET <b>5 of 11</b> SIZE <b>D</b>		REVISION



**GABLE END**

**HALF CROSS SECTION A** [NEAR BAYLINE 'A', 'G']  
SCALE 1:16  
SH2, SH3.



**INTERMEDIATE LOCATIONS**

**HALF CROSS SECTION B** [NEAR BAYLINE 'B', 'C', 'D', 'E', 'F']  
SCALE 1:16  
SH2, SH3.

1. FOR GENERAL NOTES AND LEGEND REFER TO DRAWING 4-30-16-SF SH1.

DESIGNED  
M. Liang  
DRAWN  
G. Reichhardt  
CHECKED  
RECOMMENDED  
APPROVED  
APPROVED

**FISHERIES AND OCEANS CANADA**  
REAL PROPERTY, SAFETY & SECURITY

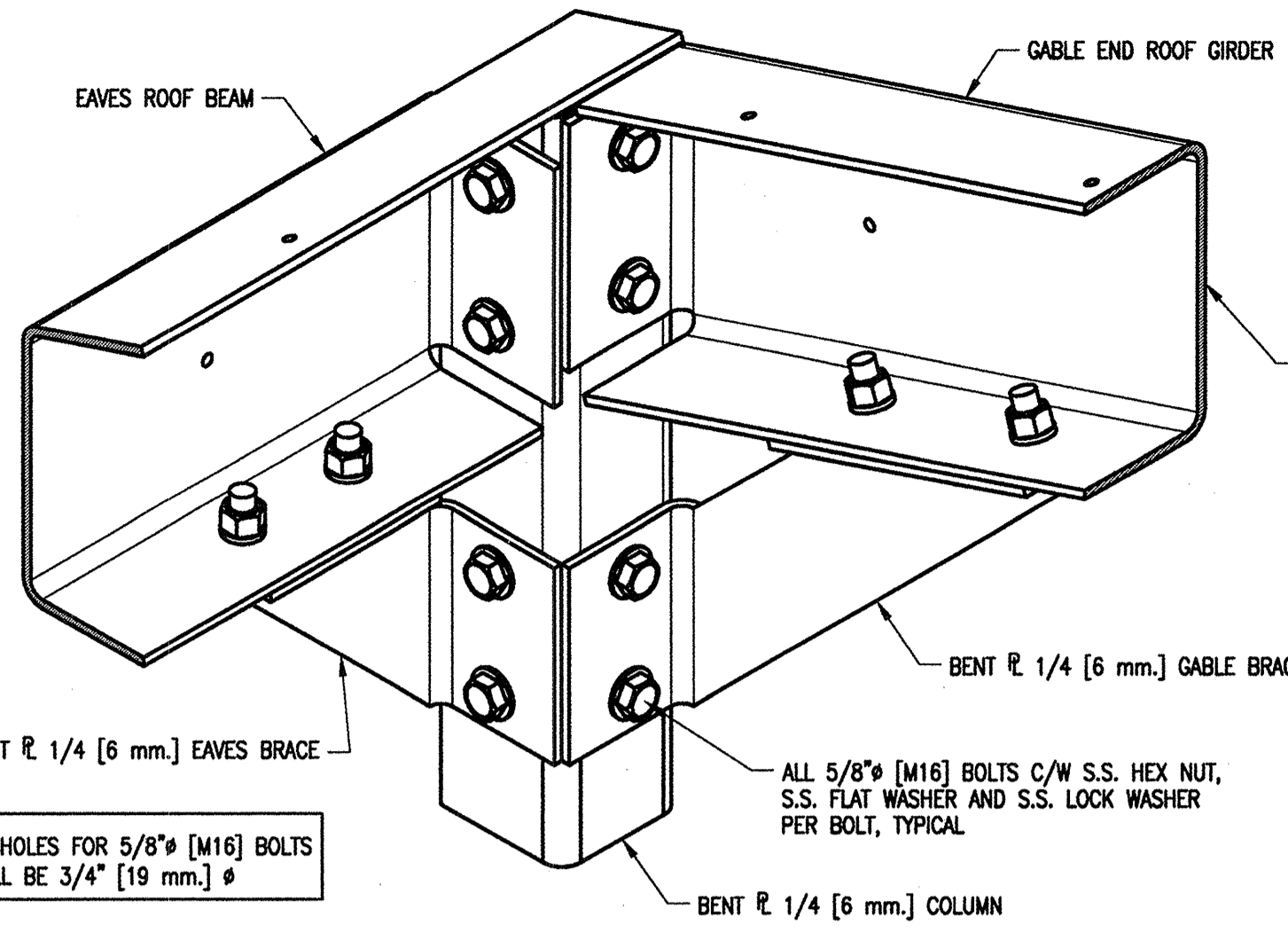
**PREFABRICATED BUILDING**  
MODEL 24X72-S1  
STRUCTURAL ALUMINUM FRAME  
HALF CROSS SECTIONS

SCALE AS NOTED  
DATE MAY 11, 2015  
DWG. NUMBER 4-30-16-SF  
SHEET 6 of 11  
SIZE D

REVISION

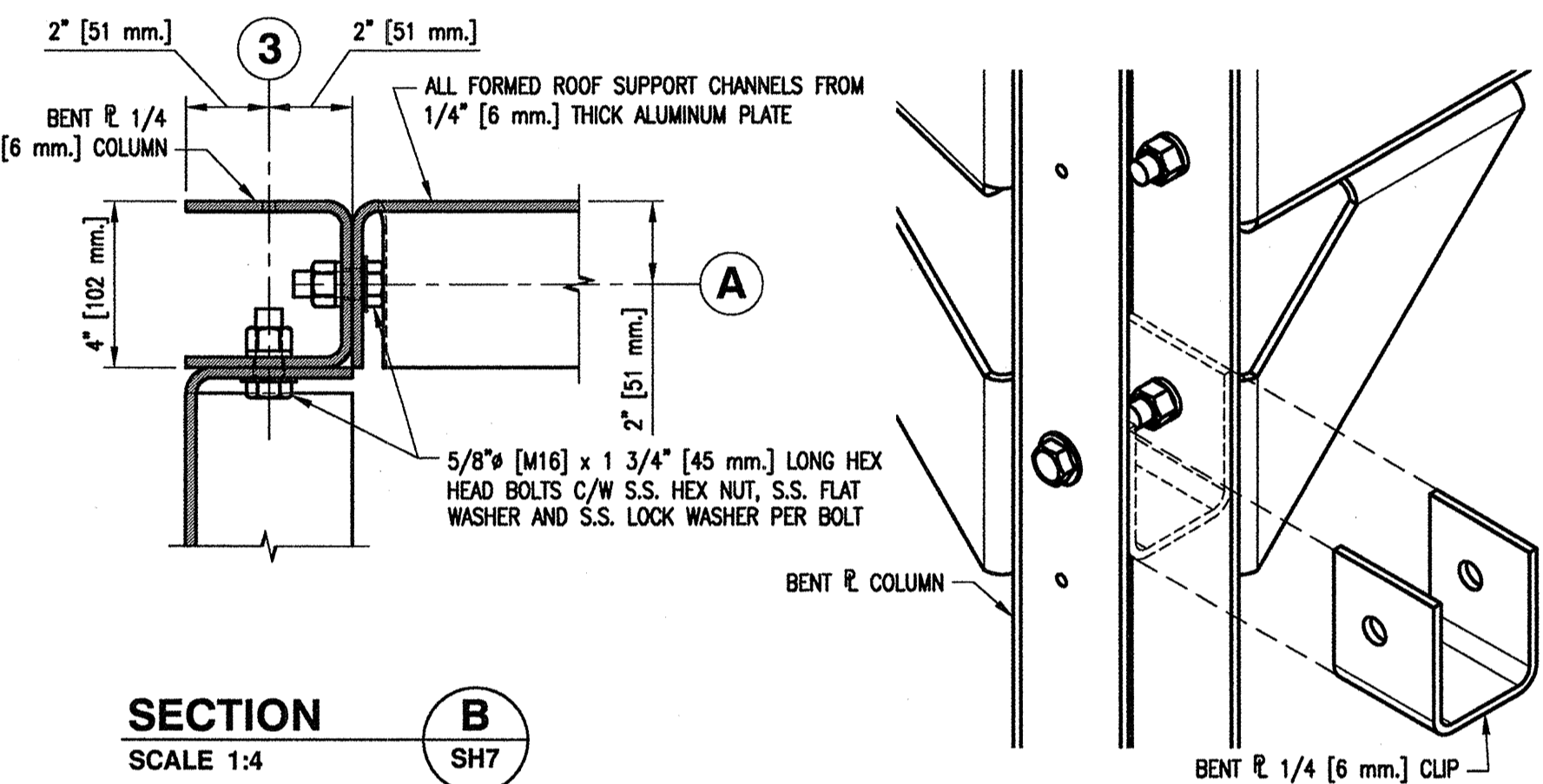
DWG. NO.	DRAWING REFERENCES	NOTES	NO.	DATE	REVISIONS





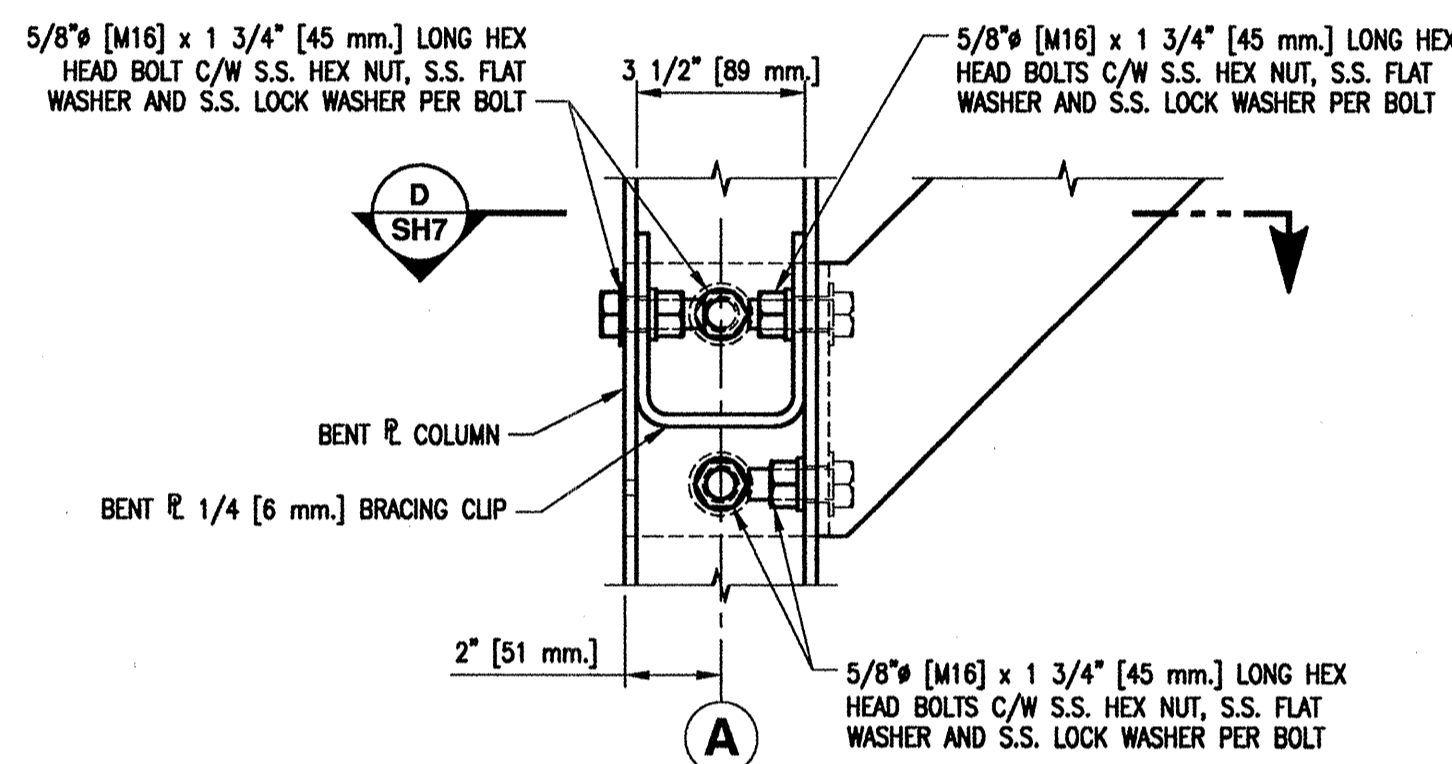
ALL HOLES FOR 5/8" [M16] BOLTS SHALL BE 3/4" [19 mm.] Ø

**INTERIOR 3D VIEW AT ROOF CORNER EAVES**



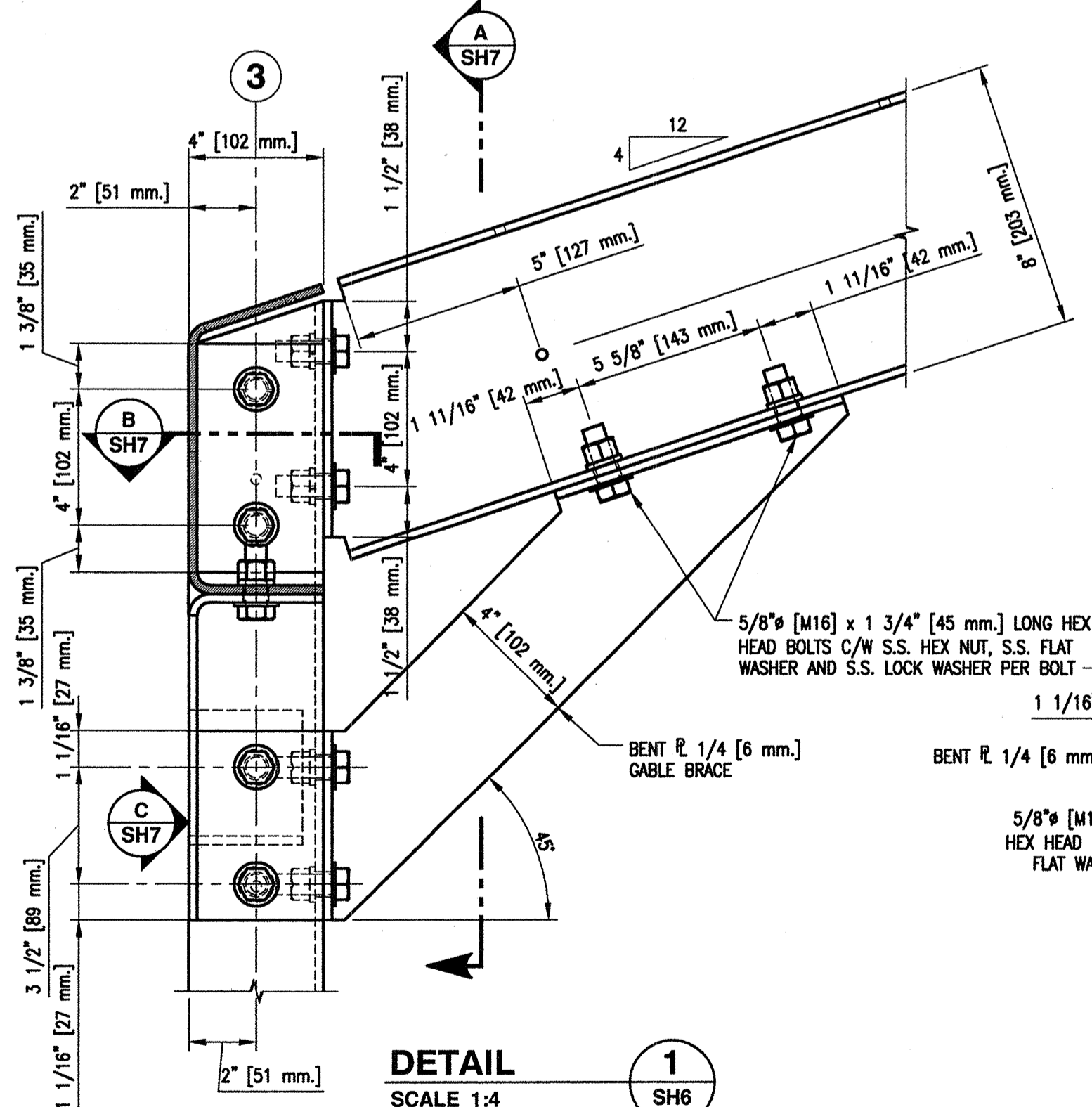
**SECTION B**  
SCALE 1:4  
SH7

**3D VIEW - BRACING CLIP REMOVED**

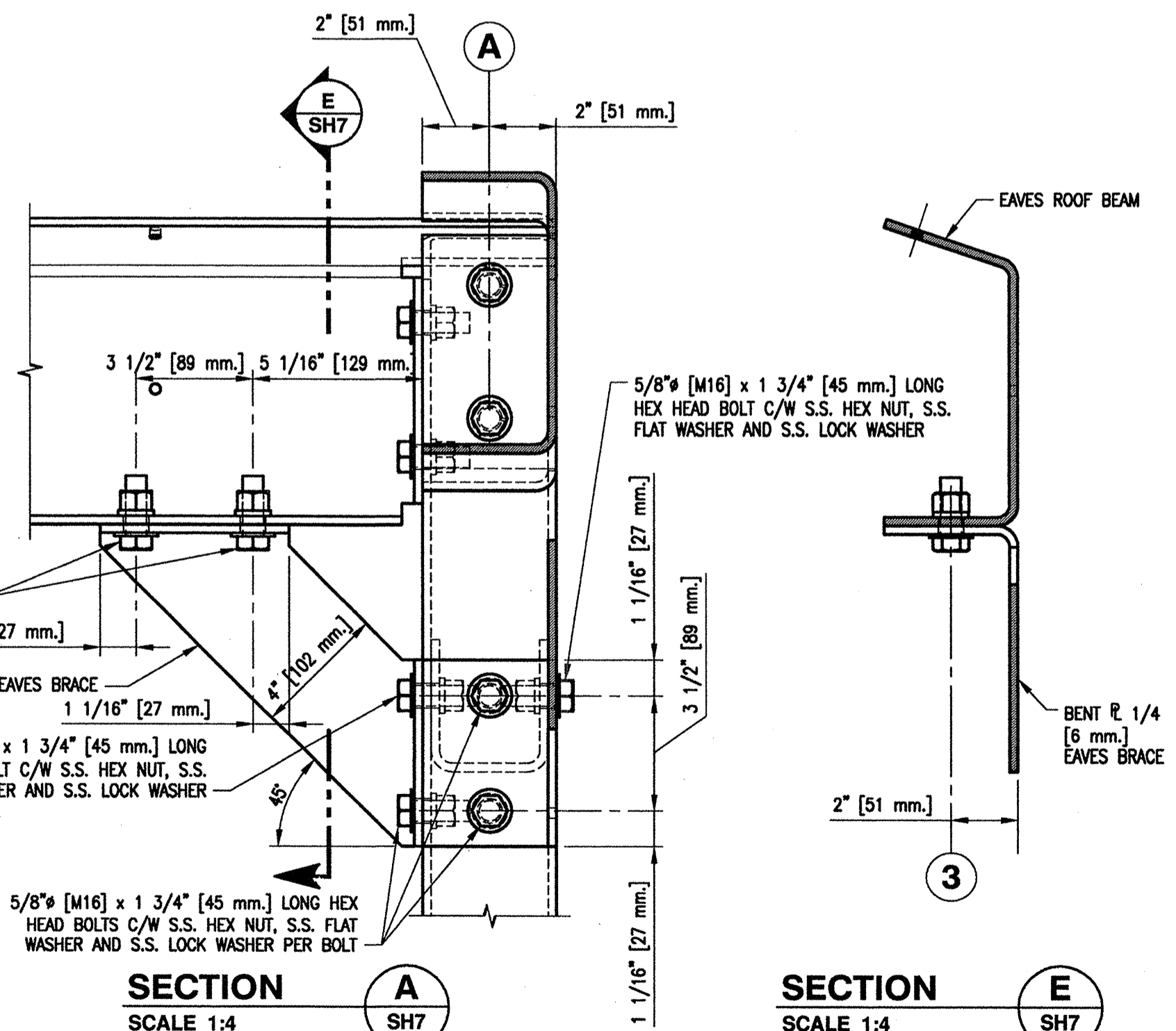


**SECTION D**  
SCALE 1:4  
SH7

**VIEW C**  
SCALE 1:4  
SH7

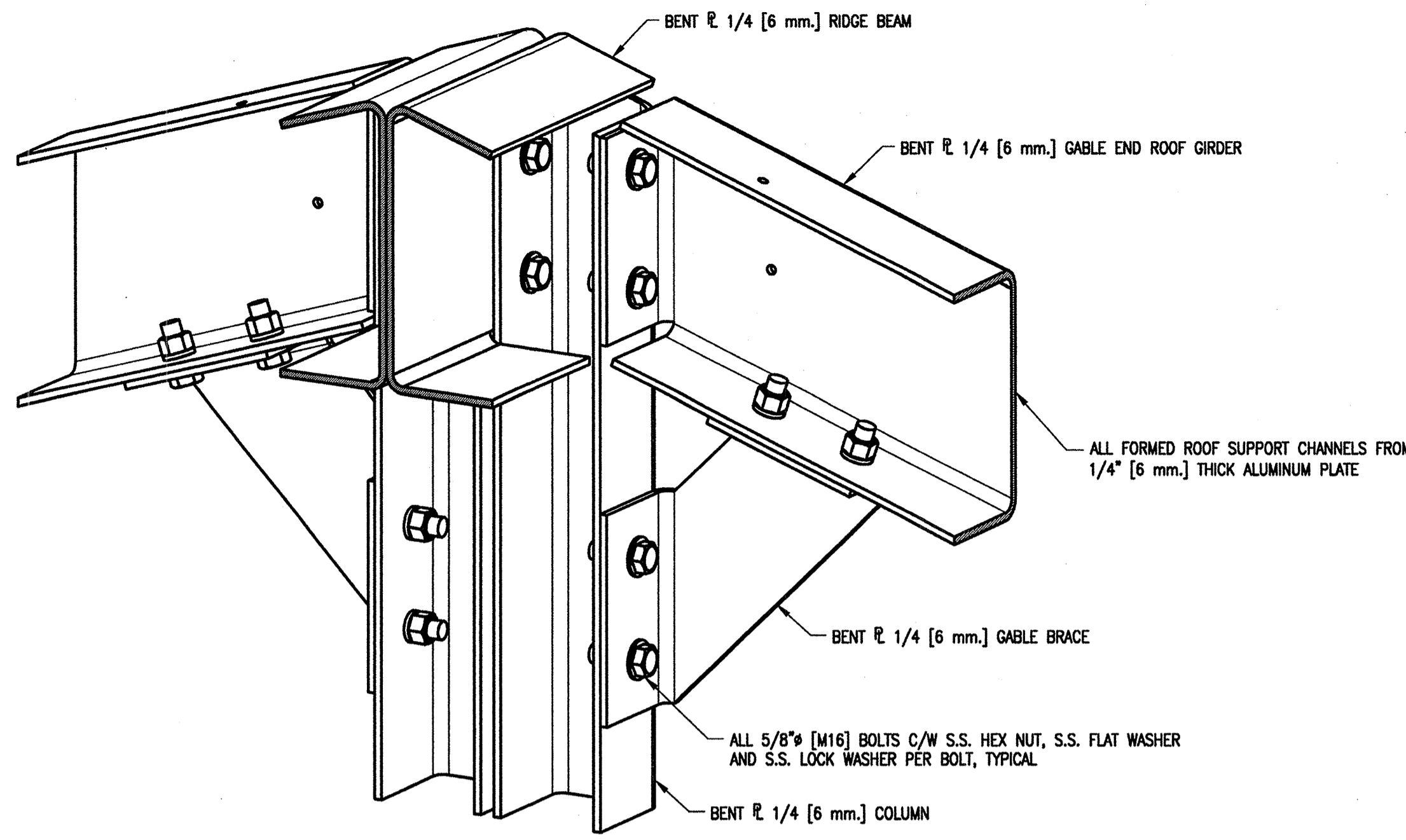


**DETAIL 1**  
SCALE 1:4  
SH6

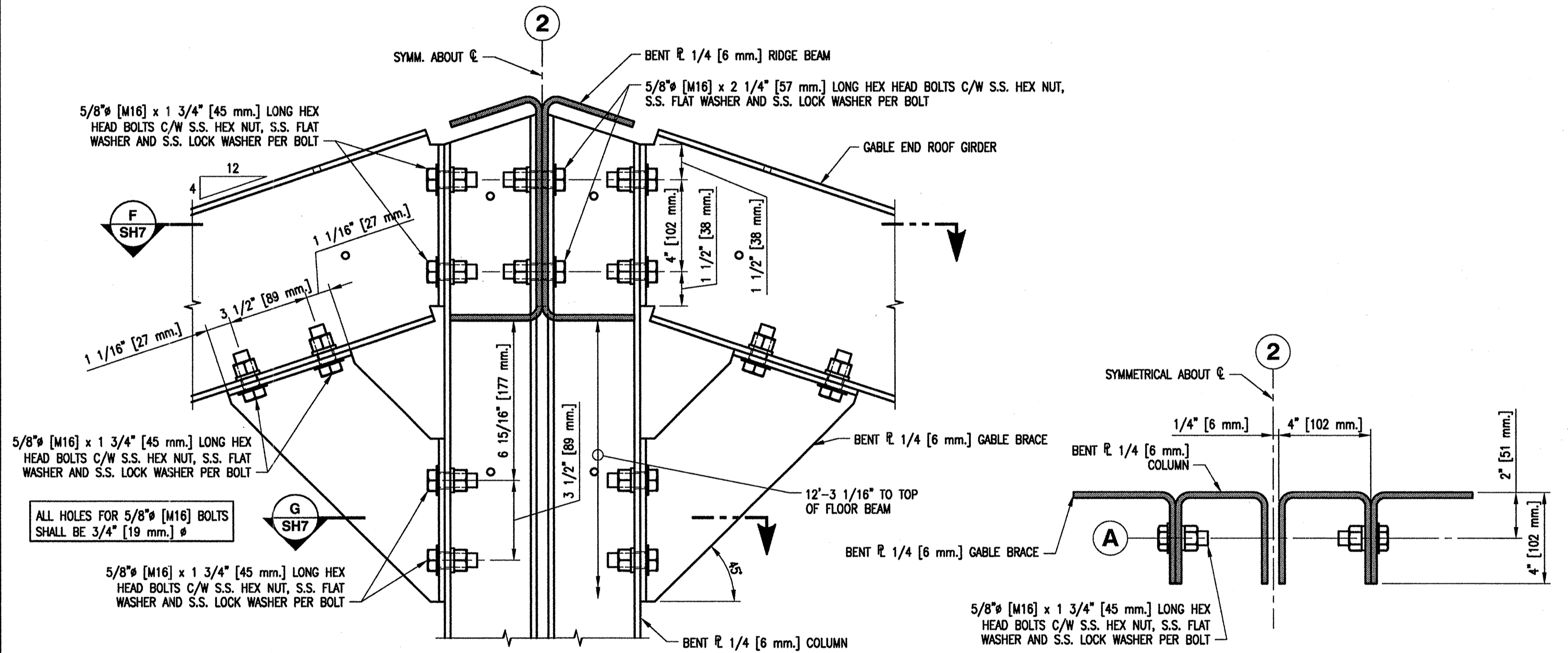


**SECTION A**  
SCALE 1:4  
SH7

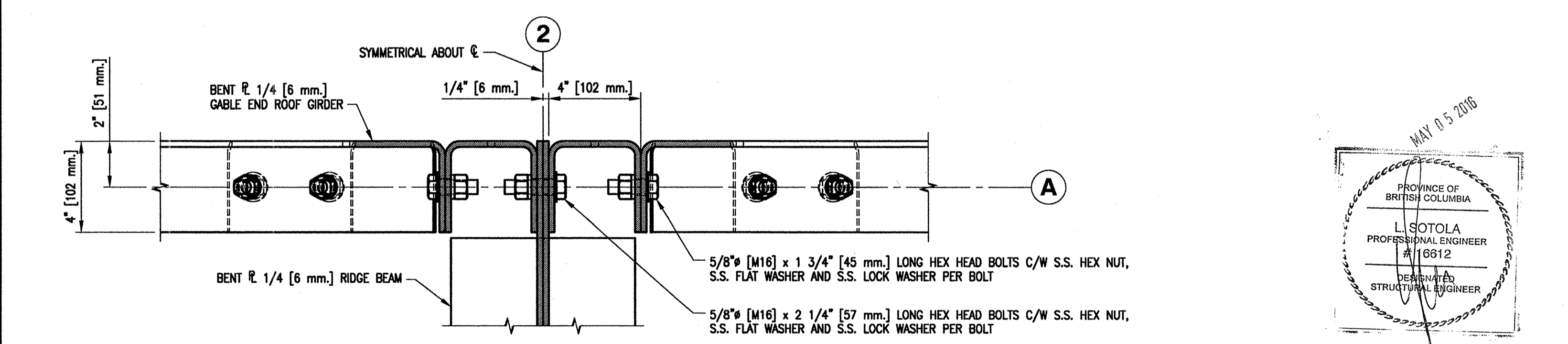
**SECTION E**  
SCALE 1:4  
SH7



**INTERIOR 3D VIEW AT ROOF RIDGE GABLE END**



**DETAIL 2**  
SCALE 1:4  
SH6



**SECTION F**  
SCALE 1:4  
SH7

**SECTION G**  
SCALE 1:4  
SH7

1. FOR GENERAL NOTES AND LEGEND REFER TO DRAWING 4-30-16-SF SH1.

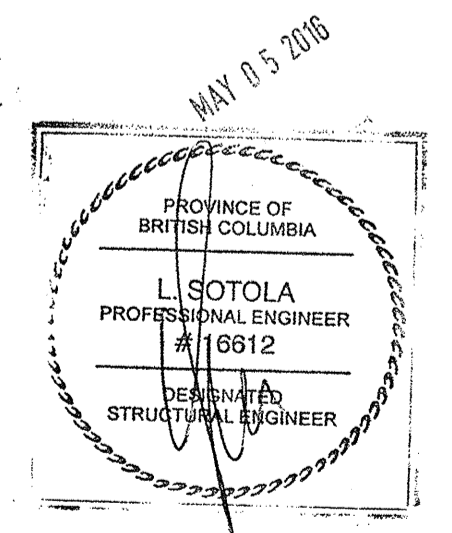
**\*\* IMPORTANT \*\***  
FOR COLD FORMING OF ALUMINUM PLATE AND MINIMUM RECOMMENDED BENDING RADII REFER TO THE GENERAL NOTES AND THE CONTRACT SPECIFICATIONS.

NOTES

**FISHERIES AND OCEANS CANADA**  
REAL PROPERTY, SAFETY & SECURITY

**PREFABRICATED BUILDING**  
MODEL 24X72-S1  
**STRUCTURAL ALUMINUM FRAME**  
KNEE BRACING AND  
ROOF BEAM CONNECTION DETAILS  
SHEET 1 OF 2

DESIGNED M. Liang	SCALE AS NOTED
DRAWN G. Reichhardt	DATE MAY 11, 2015
CHECKED	DWG. NUMBER 4-30-16-SF
RECOMMENDED	SHEET 7 of 11
APPROVED	SIZE D
APPROVED	REVISION

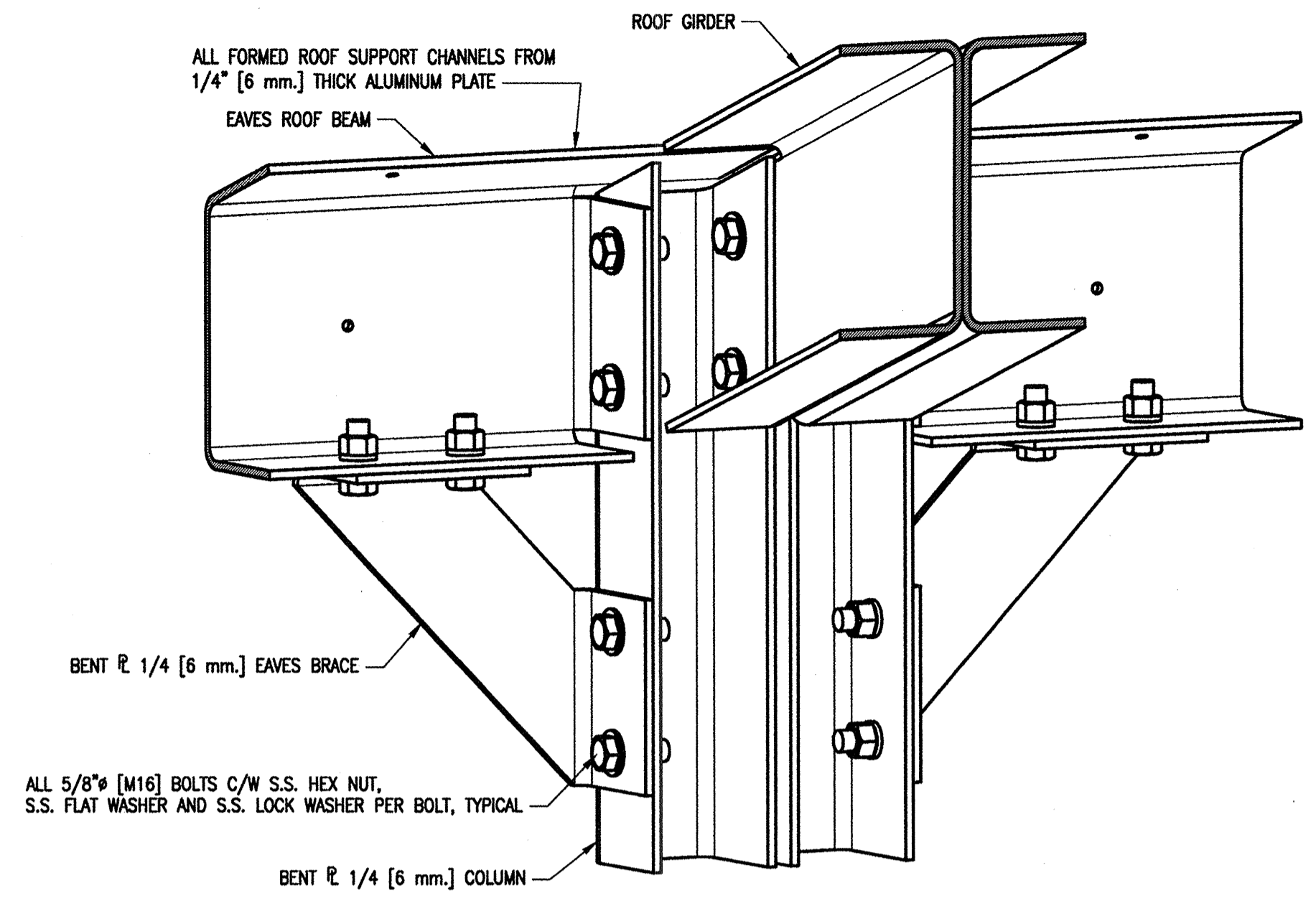


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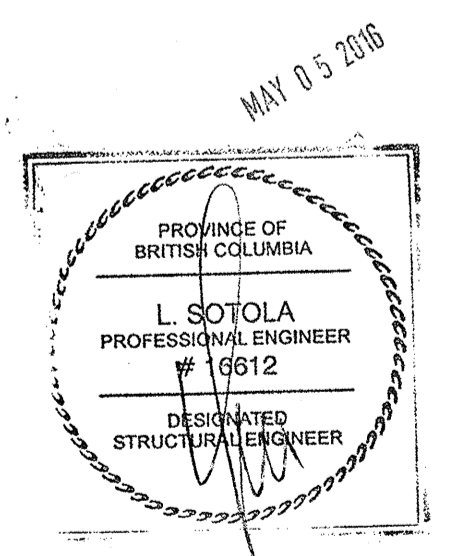
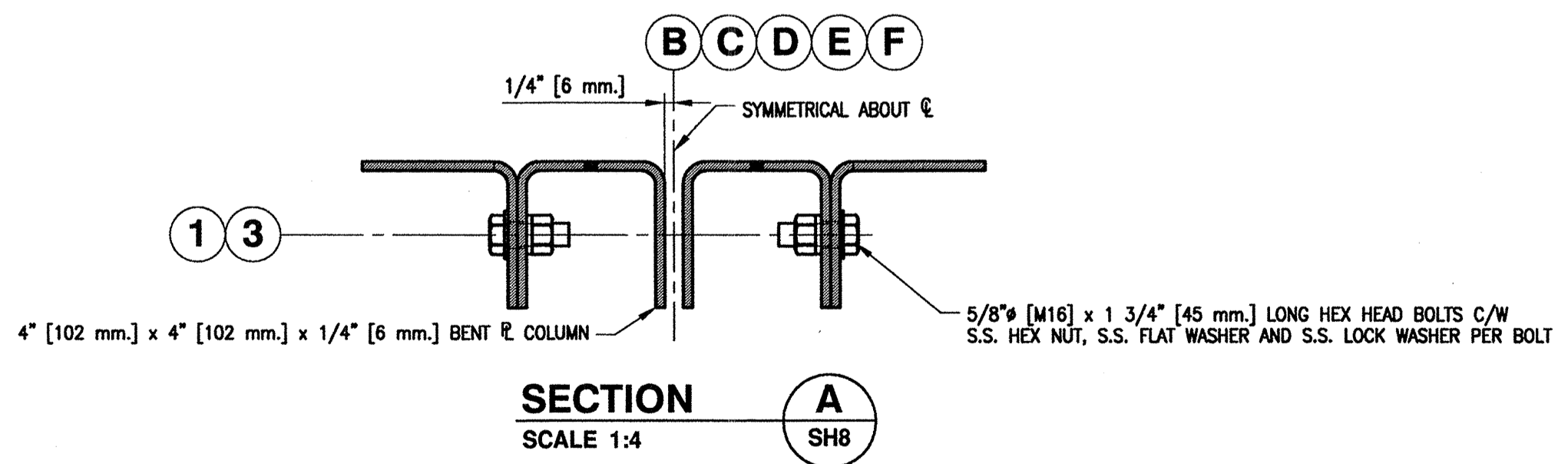
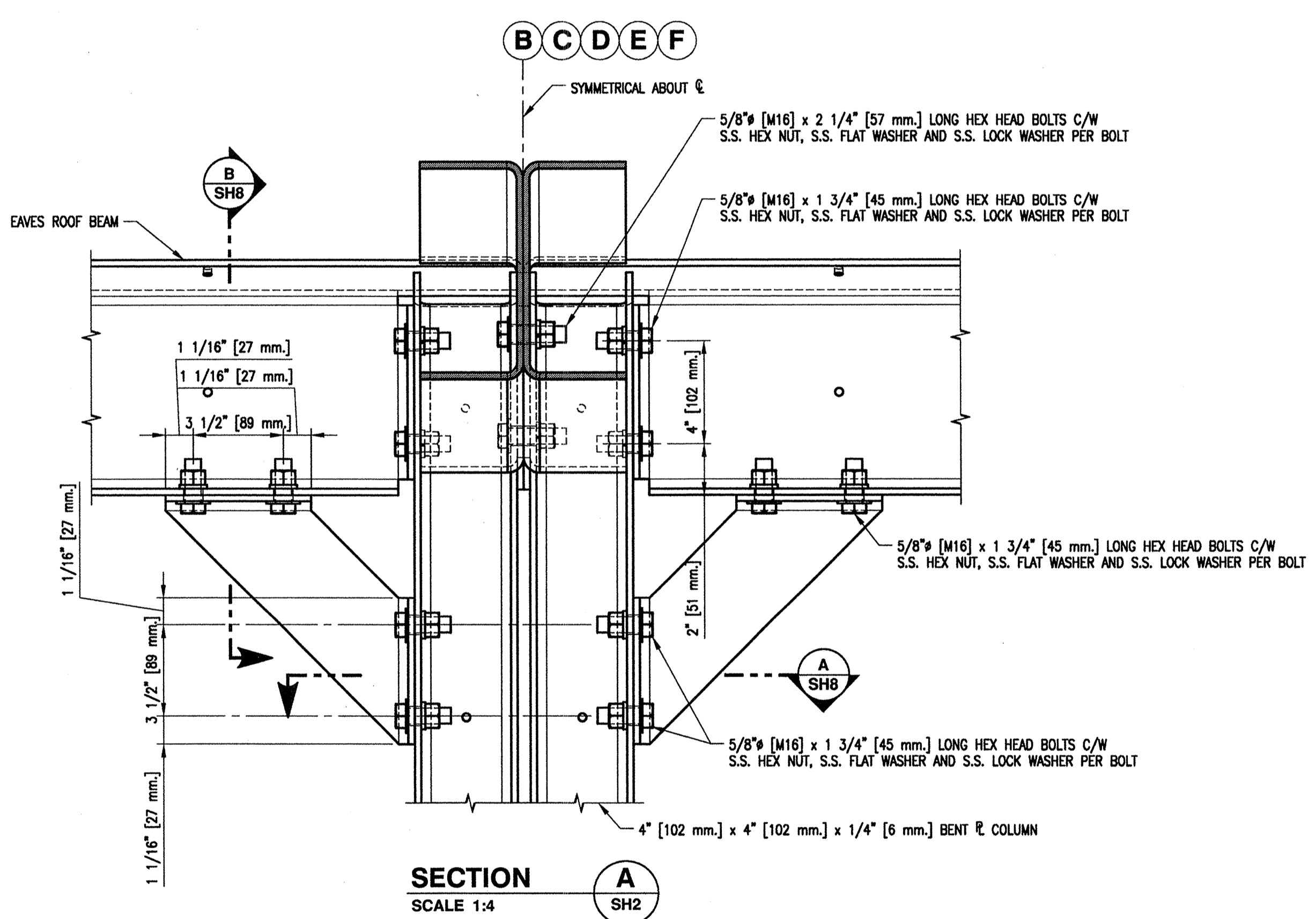
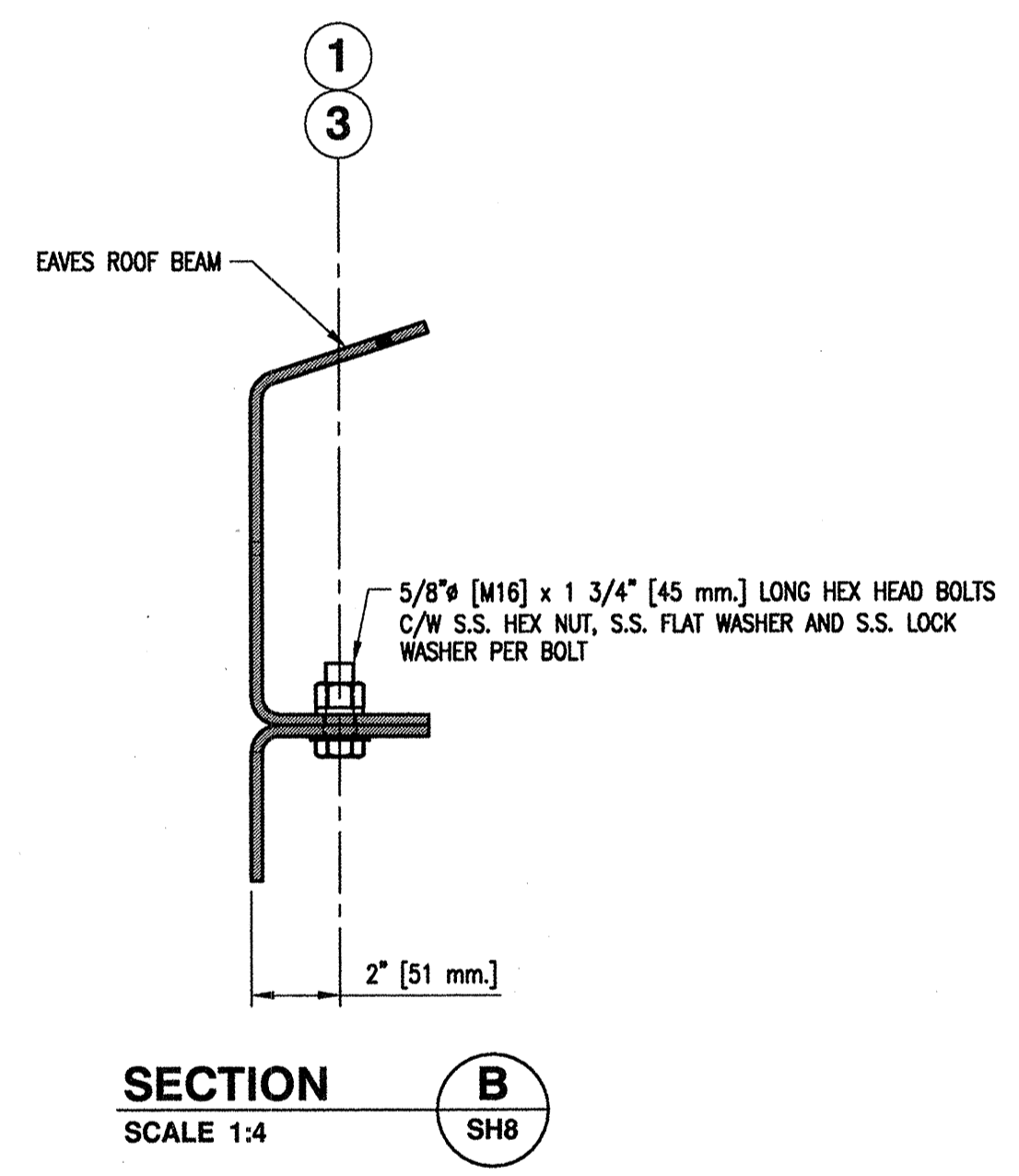
NO. DATE

REVISIONS





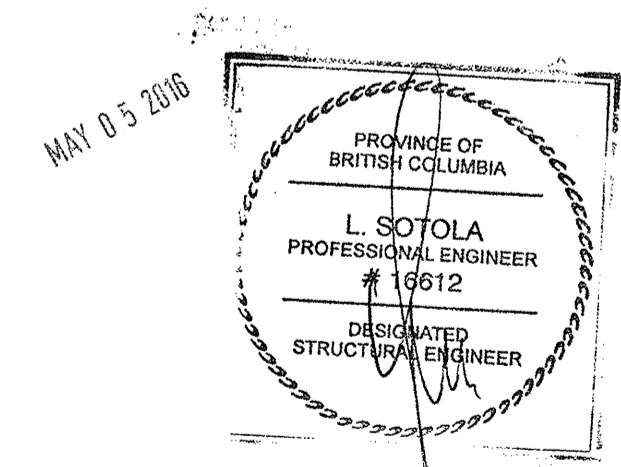
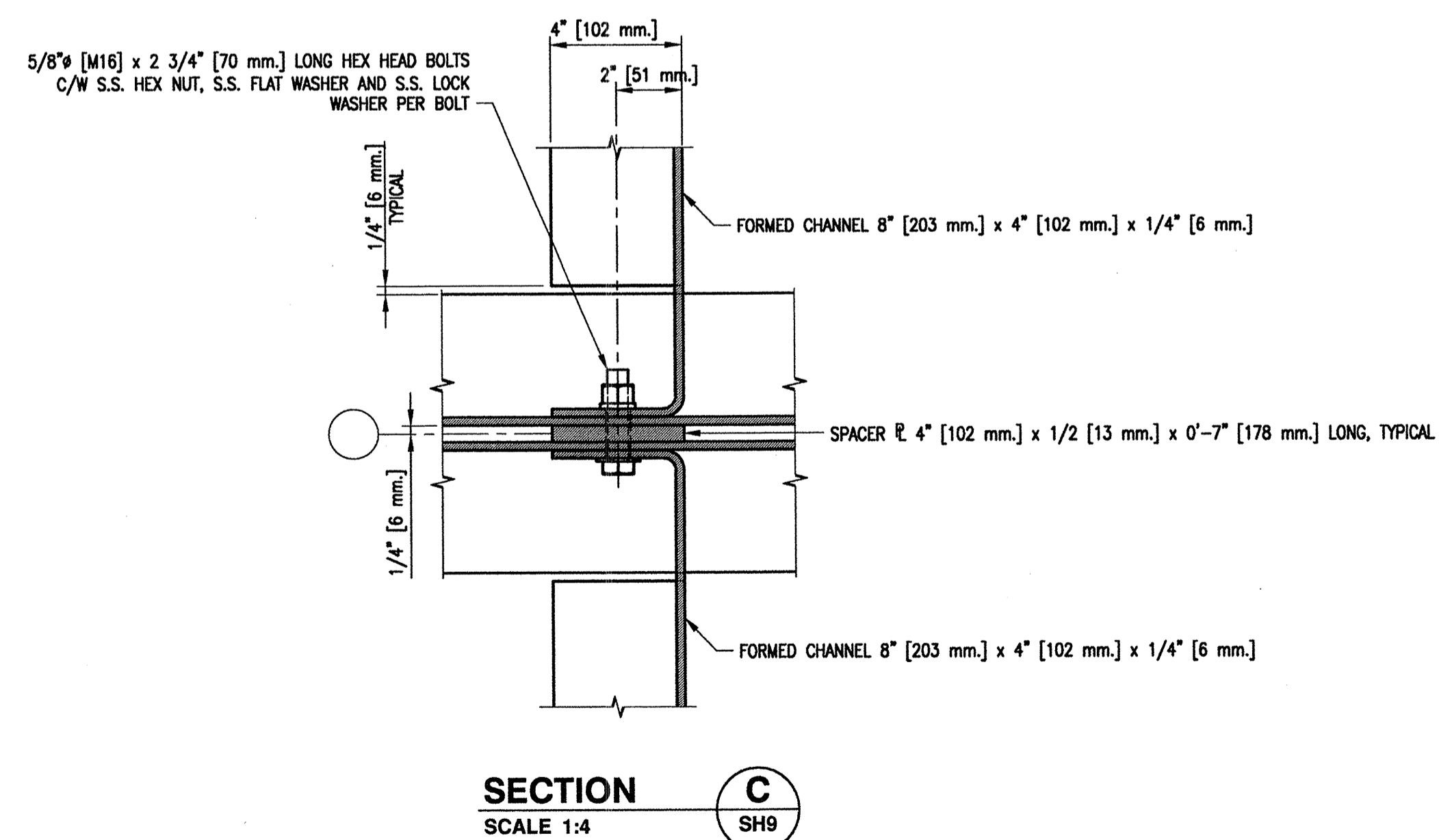
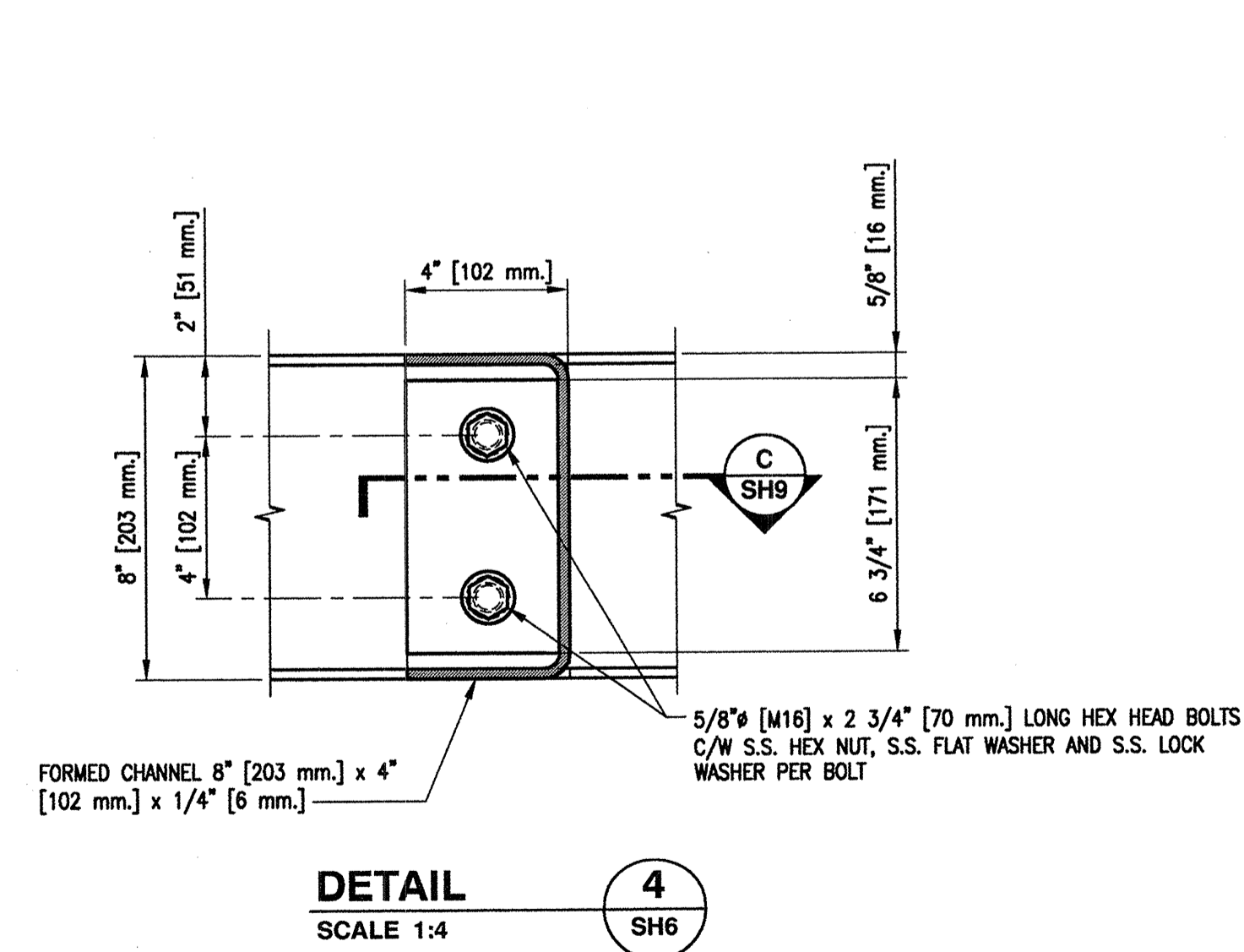
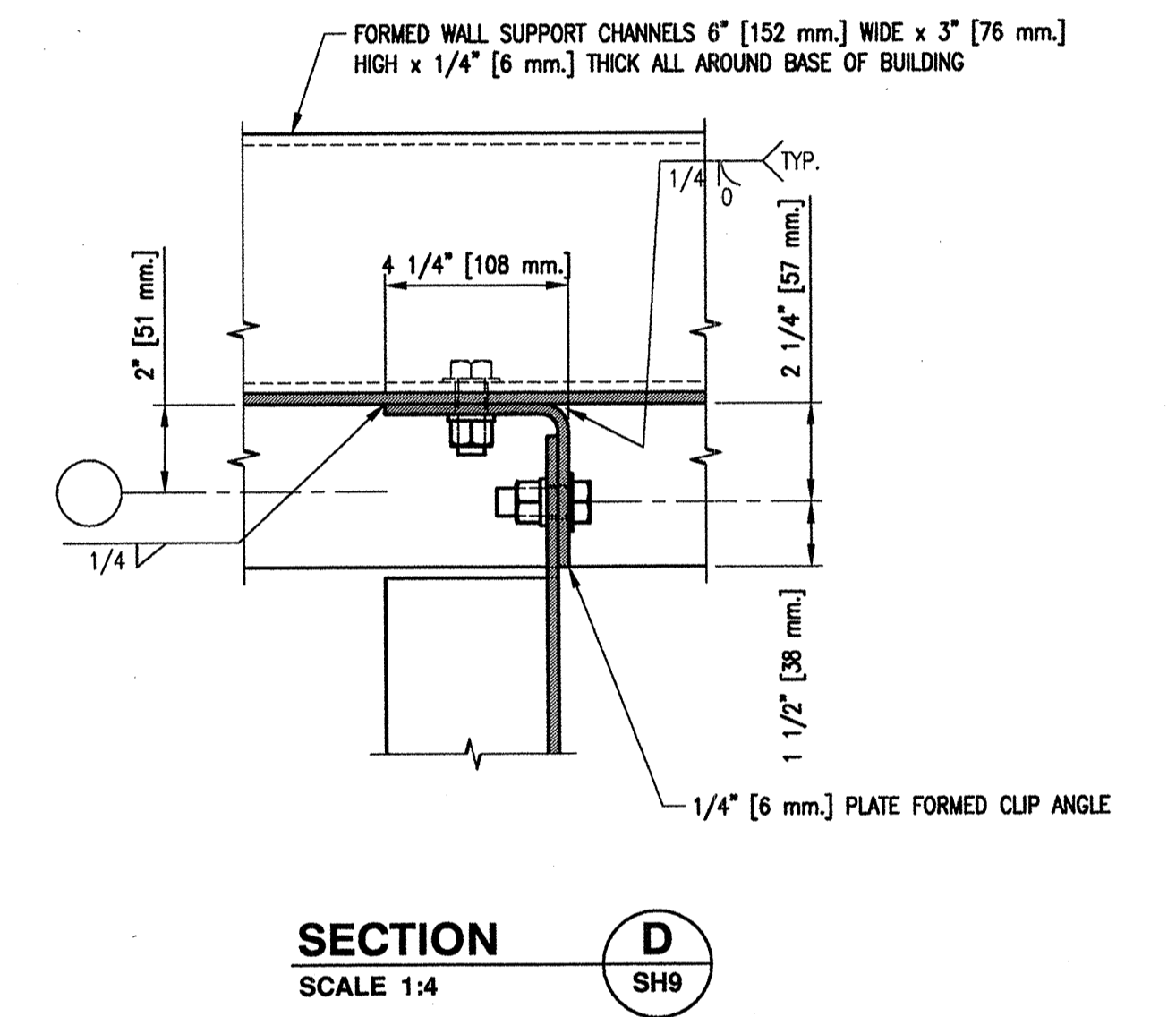
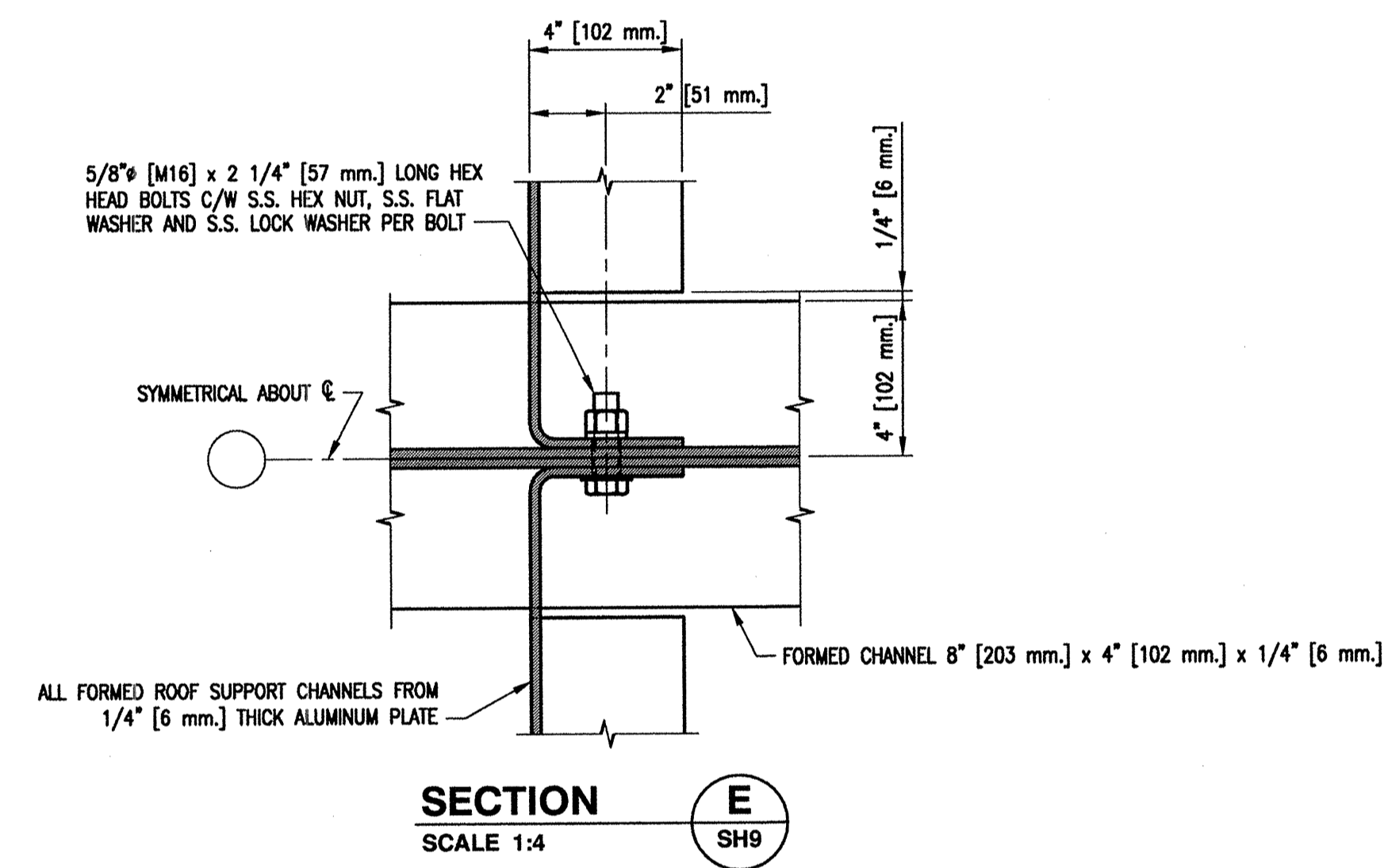
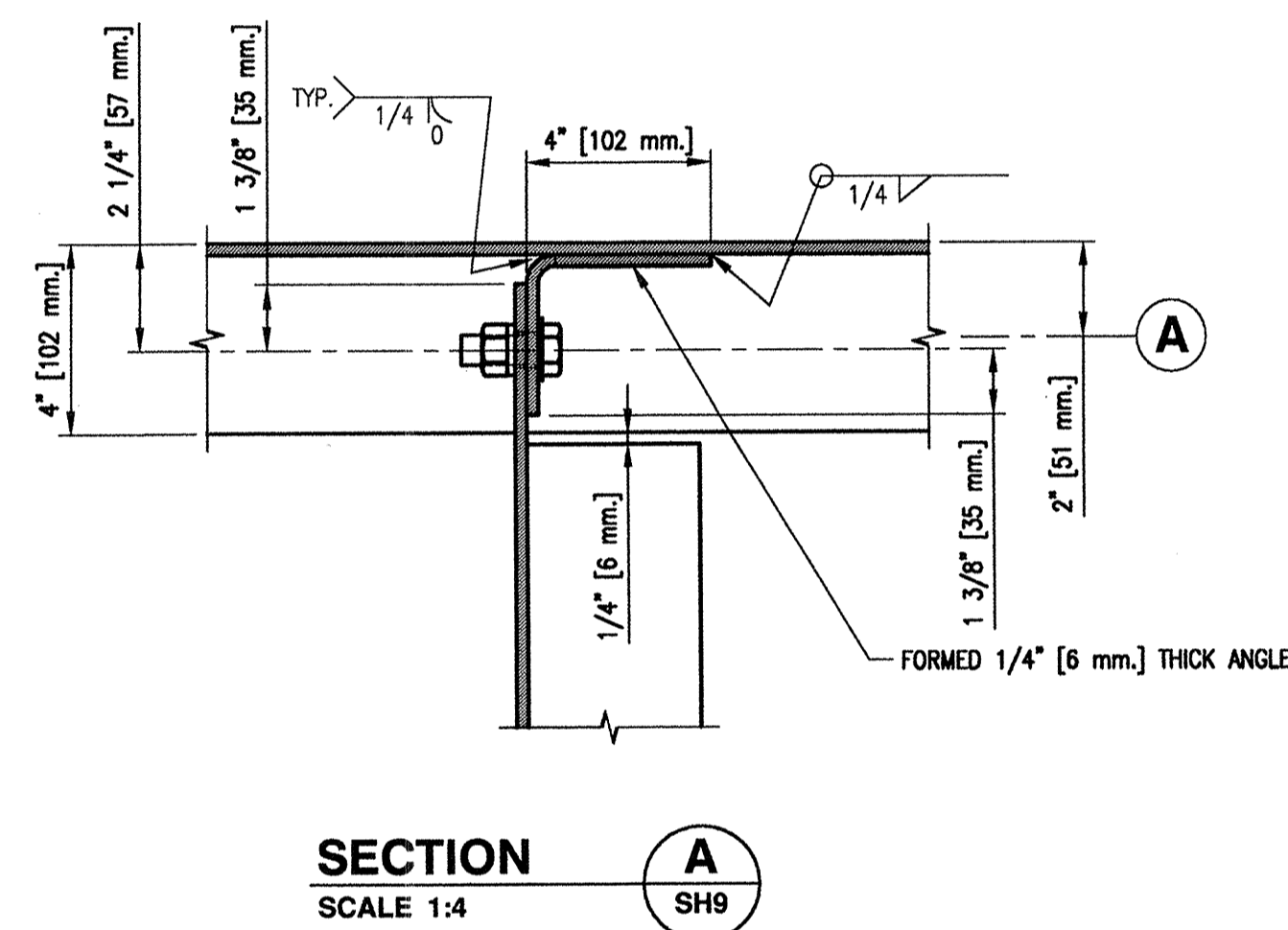
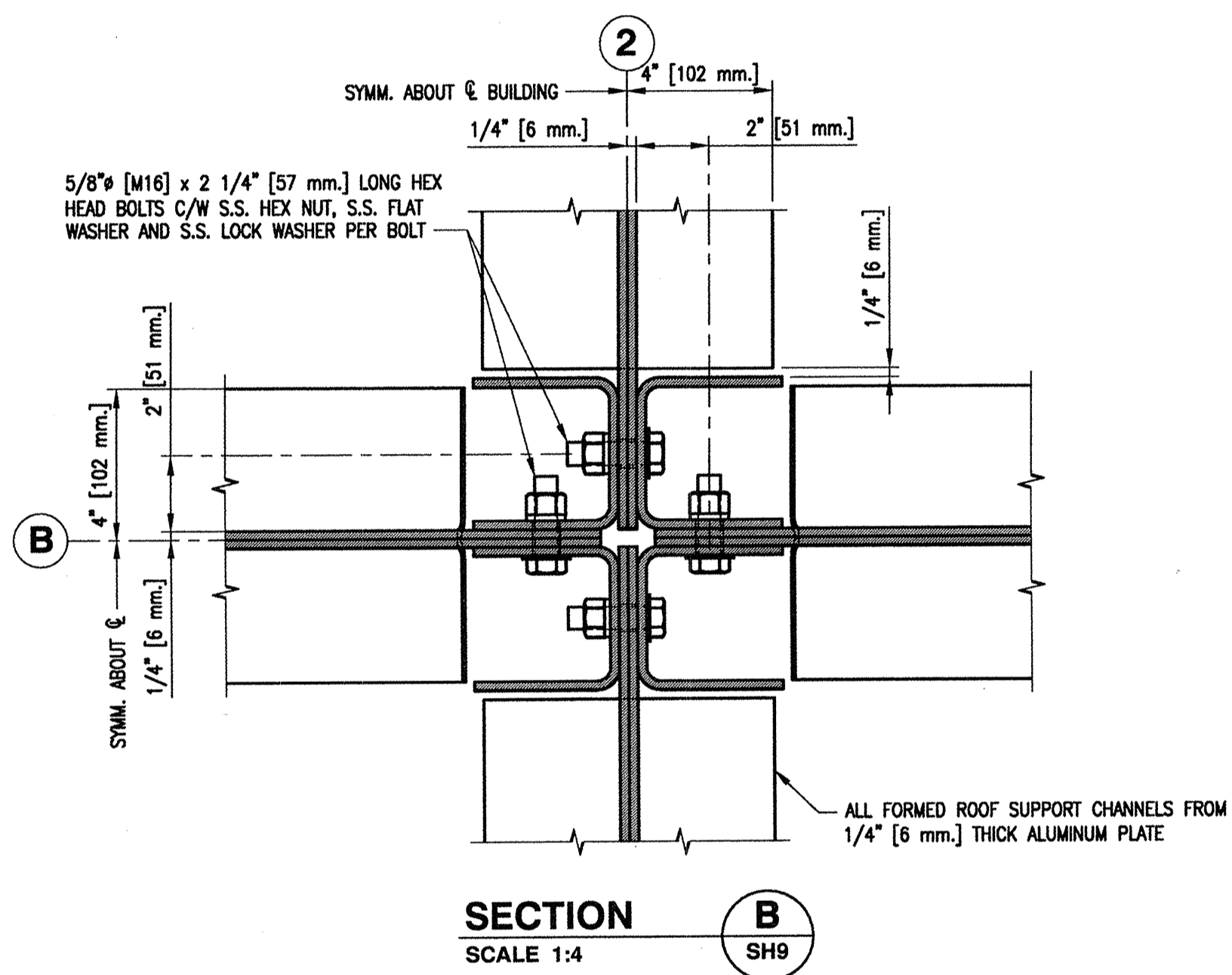
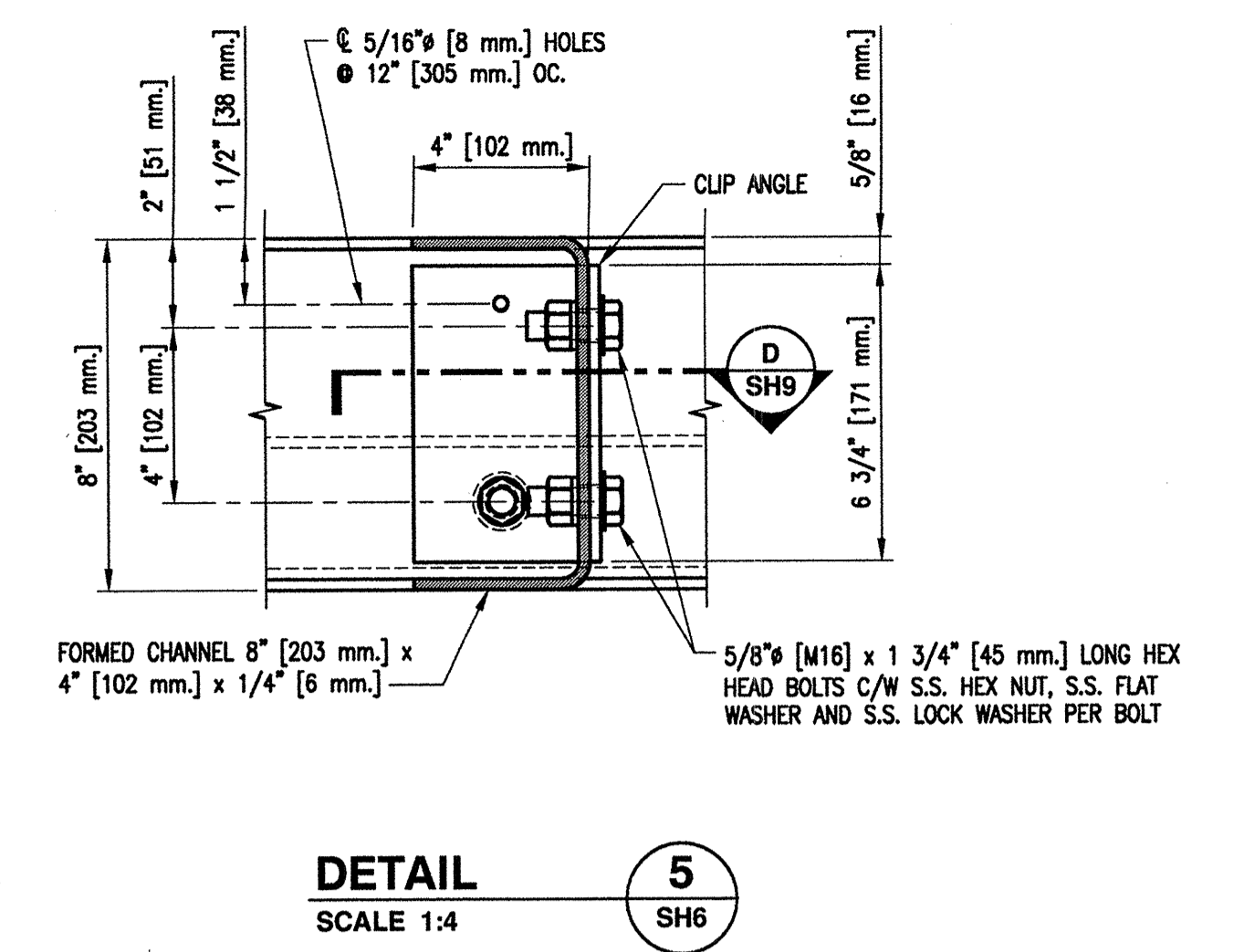
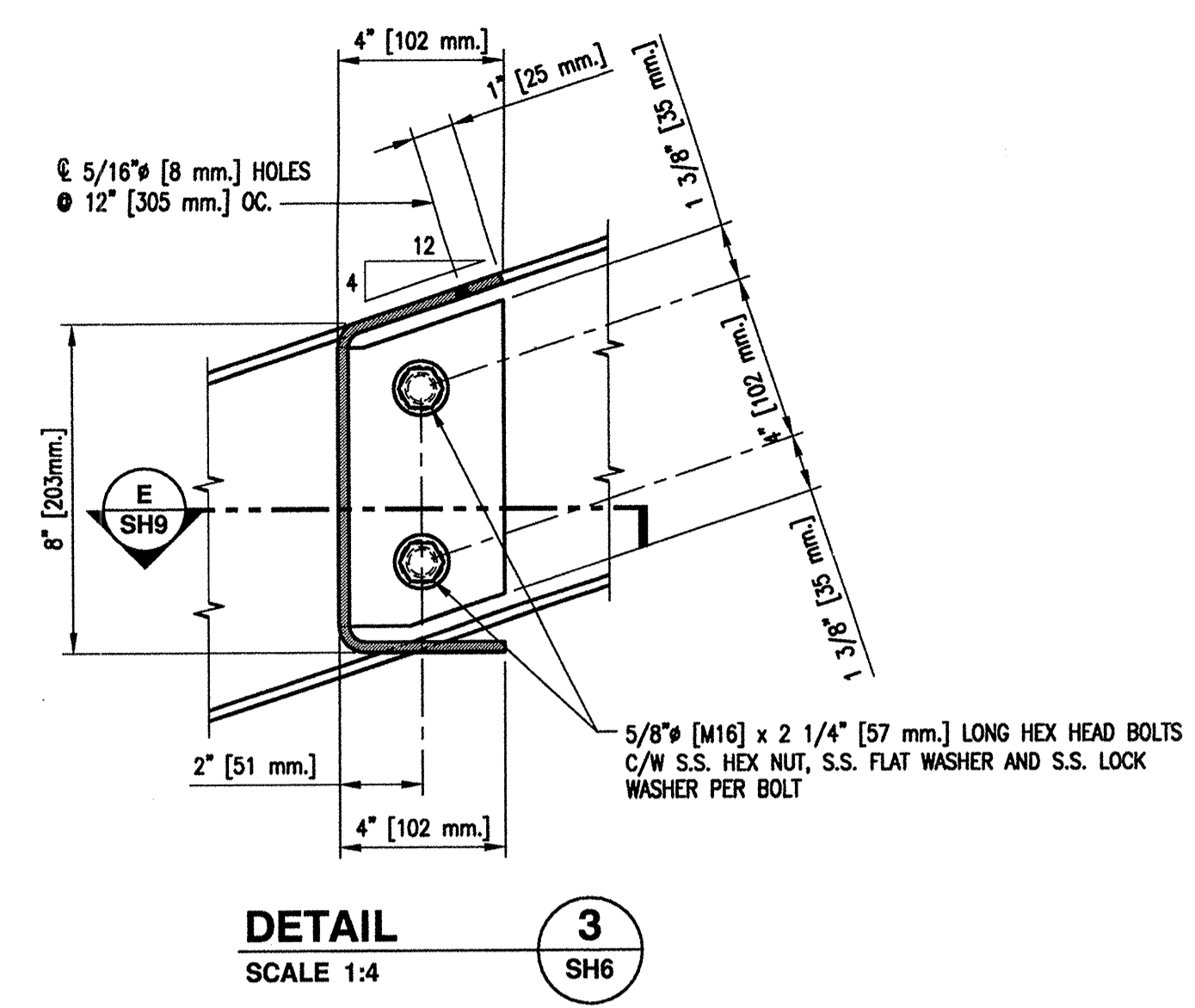
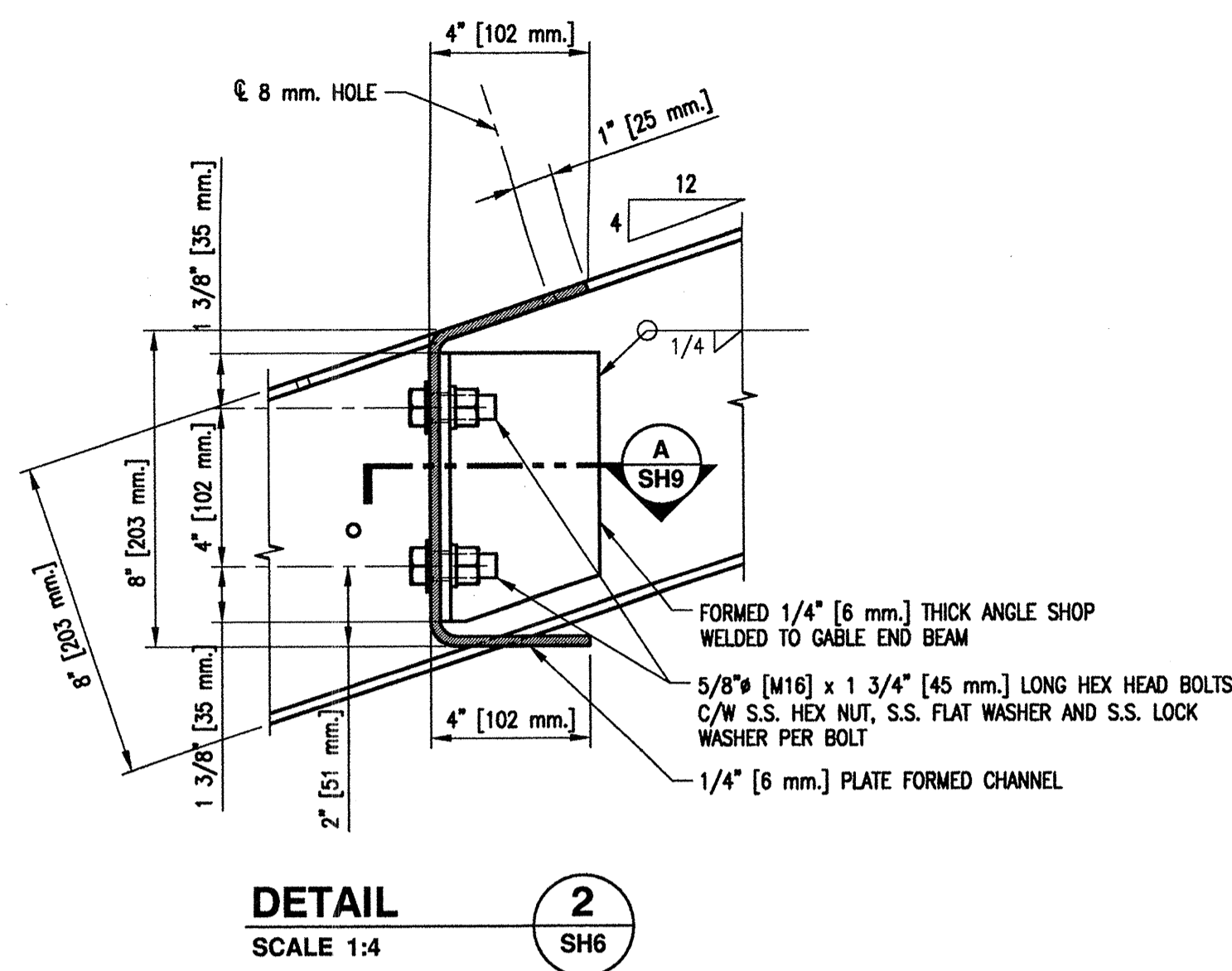
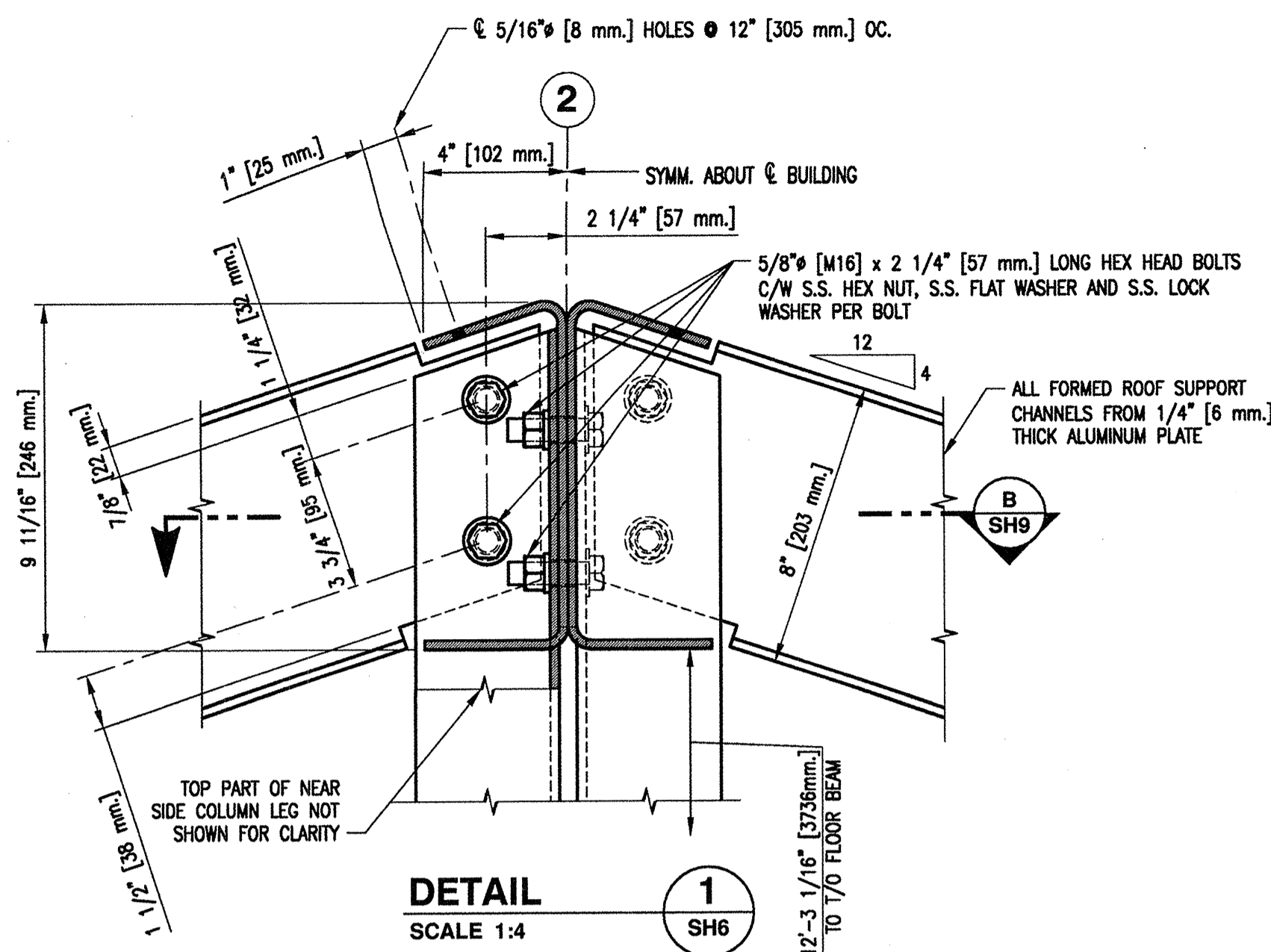
**INTERIOR 3D VIEW AT ROOF EAVES**



DWG. NO.	DRAWING REFERENCES	NOTES	NO.	DATE	REVISIONS
		<p>1. FOR GENERAL NOTES AND LEGEND REFER TO DRAWING 4-30-16-SF SH1.</p> <p><b>** IMPORTANT **</b> FOR COLD FORMING OF ALUMINUM PLATE AND MINIMUM RECOMMENDED BENDING RADI REFER TO THE GENERAL NOTES AND THE CONTRACT SPECIFICATIONS.</p>			

<p><b>FISHERIES AND OCEANS CANADA</b> REAL PROPERTY, SAFETY &amp; SECURITY</p>	
<p><b>PREFABRICATED BUILDING MODEL 24X72-S1 STRUCTURAL ALUMINUM FRAME KNEE BRACING AND ROOF BEAM CONNECTION DETAILS SHEET 2 OF 2</b></p>	
<p>DESIGNED M. Liang</p> <p>DRAWN G. Reichhardt</p> <p>CHECKED</p> <p>RECOMMENDED</p> <p>APPROVED</p> <p>APPROVED</p>	<p>SCALE AS NOTED</p> <p>DATE MAY 11, 2015</p> <p>DWG. NUMBER 4-30-16-SF</p> <p>SHEET 8 of 11 SIZE D</p> <p>REVISION</p>



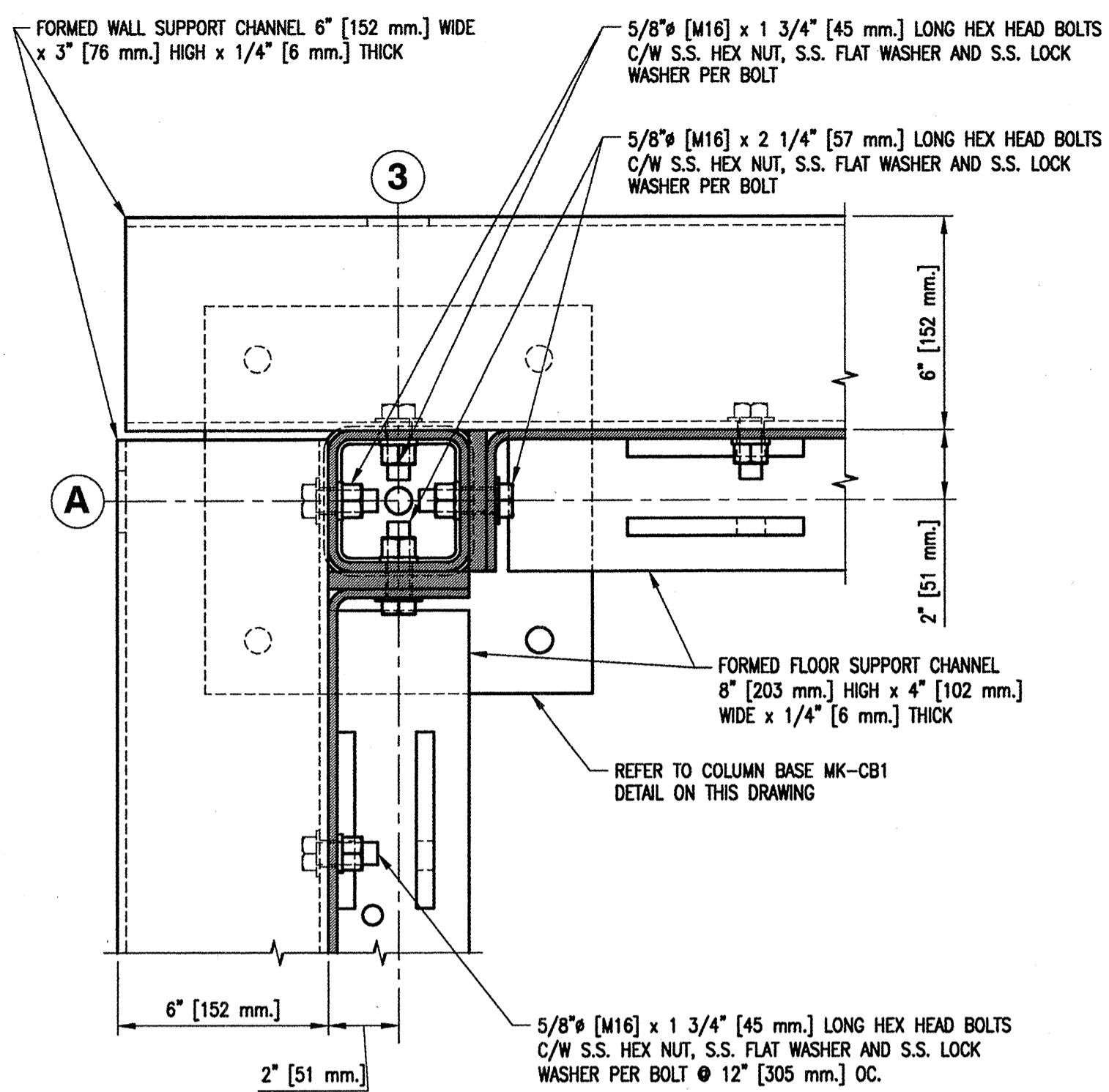


DWG. NO.	DRAWING REFERENCES	NOTES	NO.	DATE	REVISIONS
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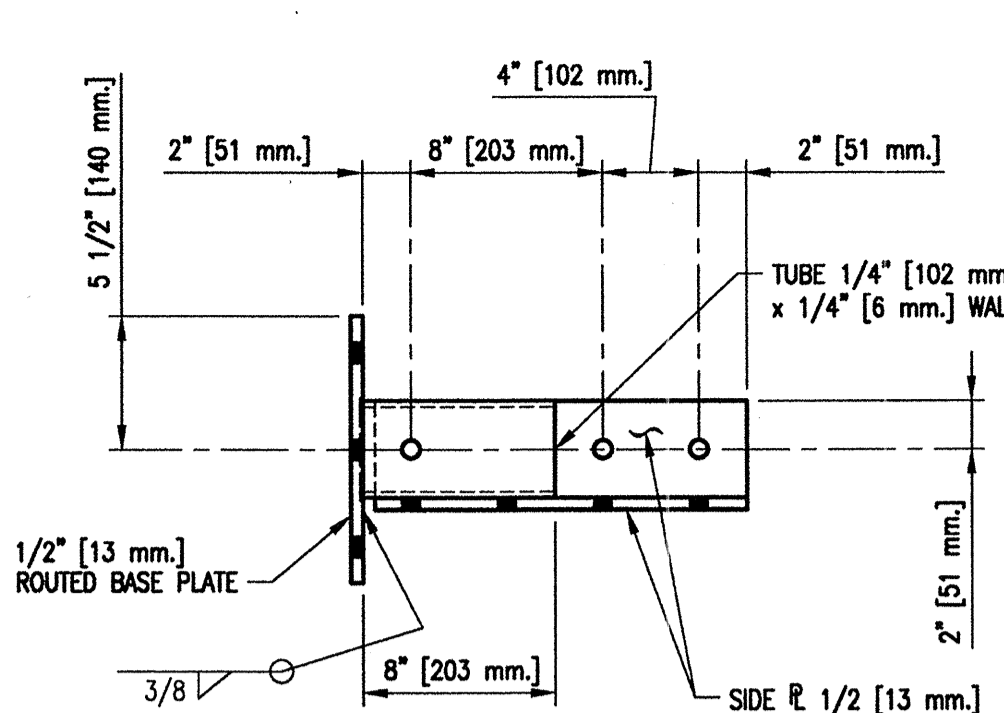
**FISHERIES AND OCEANS CANADA**  
REAL PROPERTY, SAFETY & SECURITY

**PREFABRICATED BUILDING**  
MODEL 24X72-S1  
STRUCTURAL ALUMINUM FRAME  
ROOF FRAMING AND FLOOR FRAMING  
SECTIONS AND DETAILS

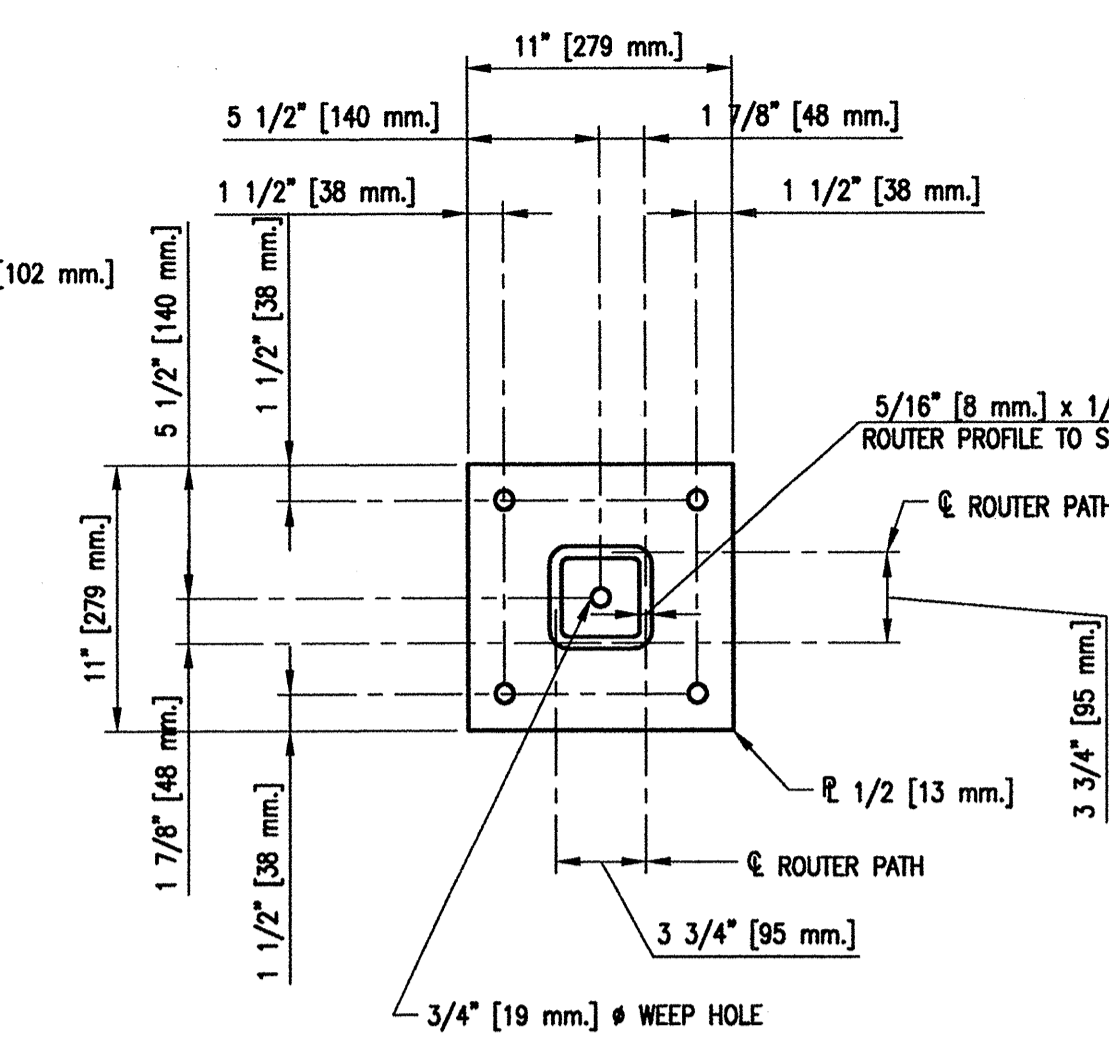
DESIGNED M. Liang	SCALE AS NOTED
DRAWN G. Reichardt	DATE MAY 11, 2015
CHECKED	DWG. NUMBER 4-30-16-SF
RECOMMENDED	SHEET 9 of 11
APPROVED	SIZE D
APPROVED	REVISION



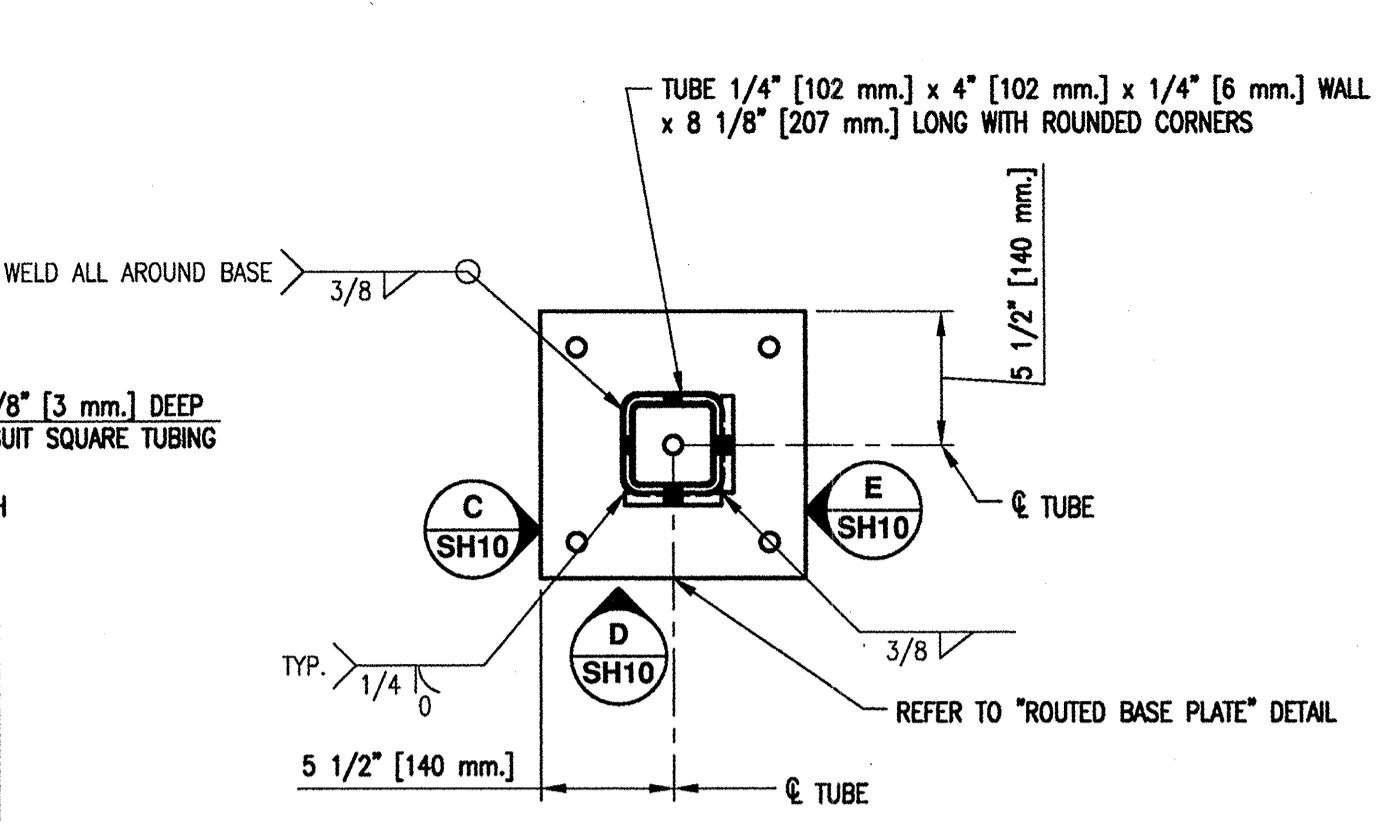
**SECTION B**  
SCALE 1:4  
SH10



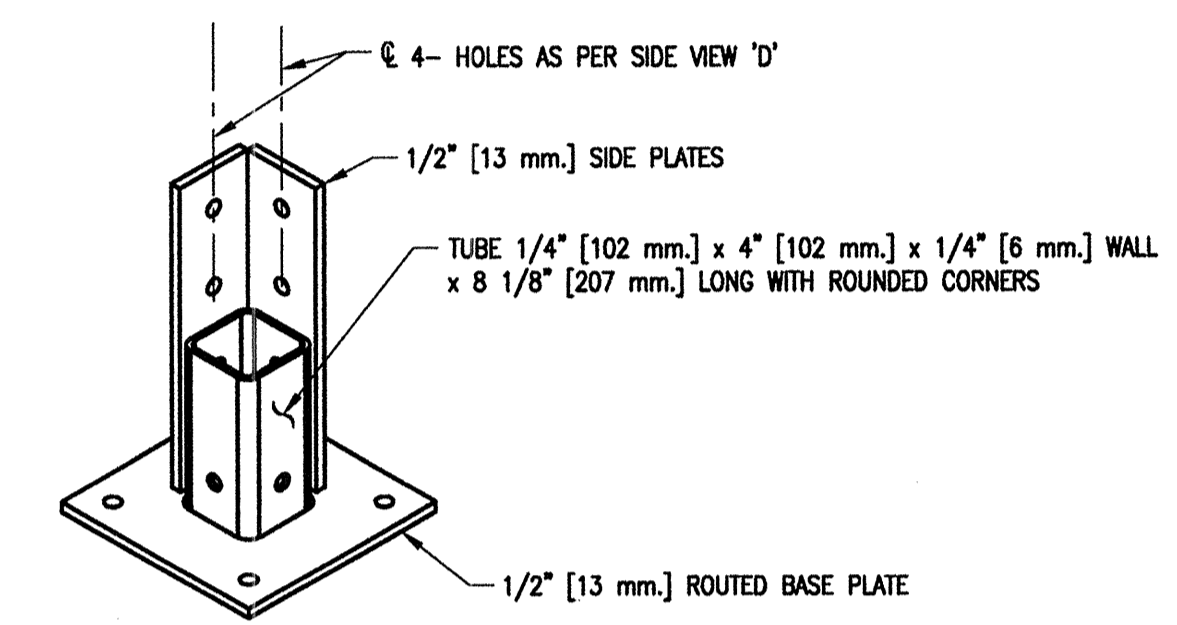
**SIDE VIEW C**  
SH10



**ROUTED BASE PLATE**

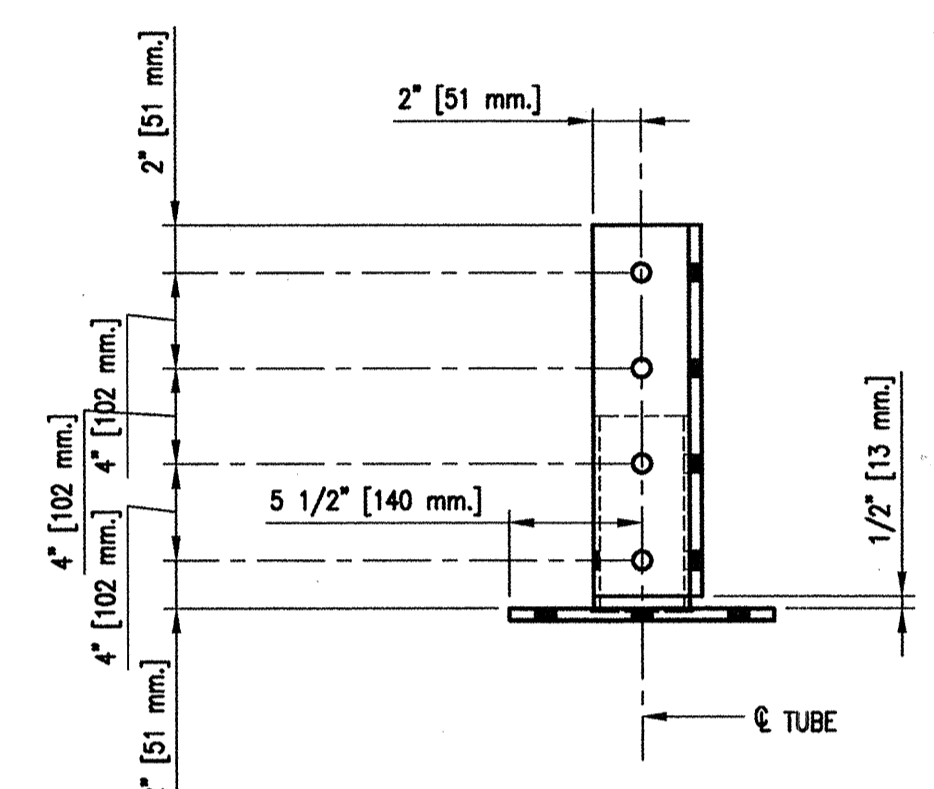


**PLAN**

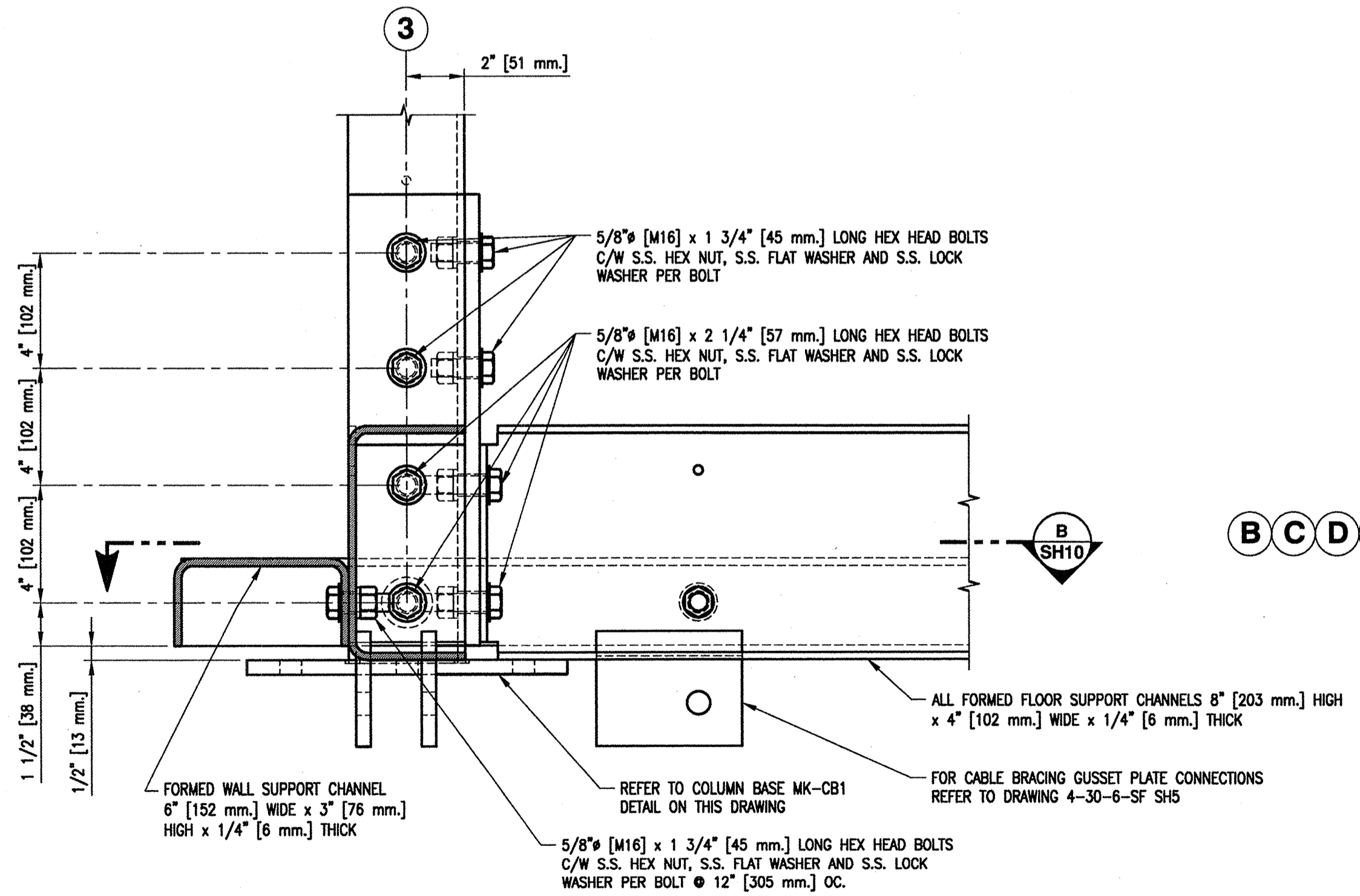


**3D VIEW**

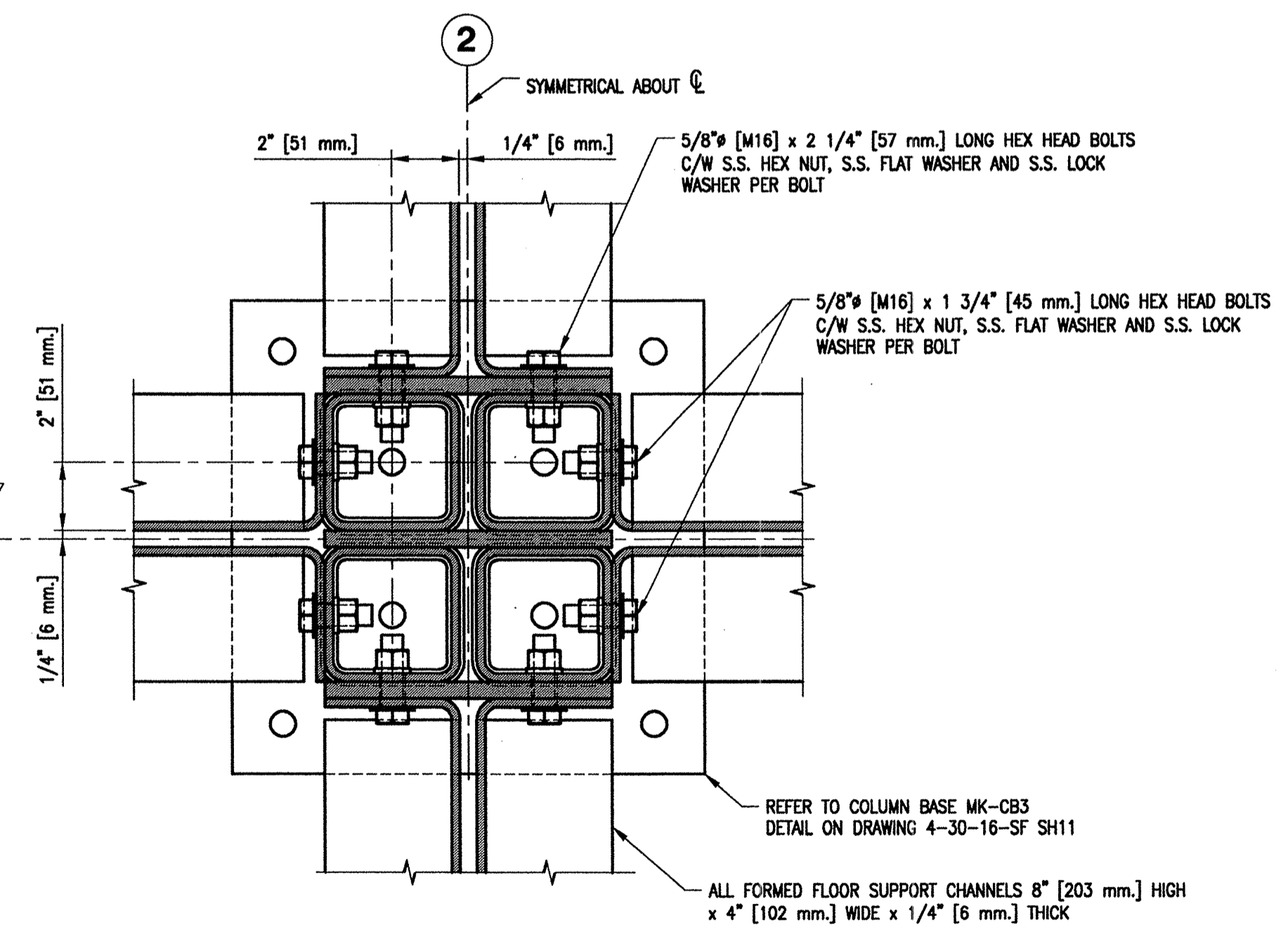
**MAKE FOUR [4] COLUMN BASES MK-CB1**  
SCALE 1:8



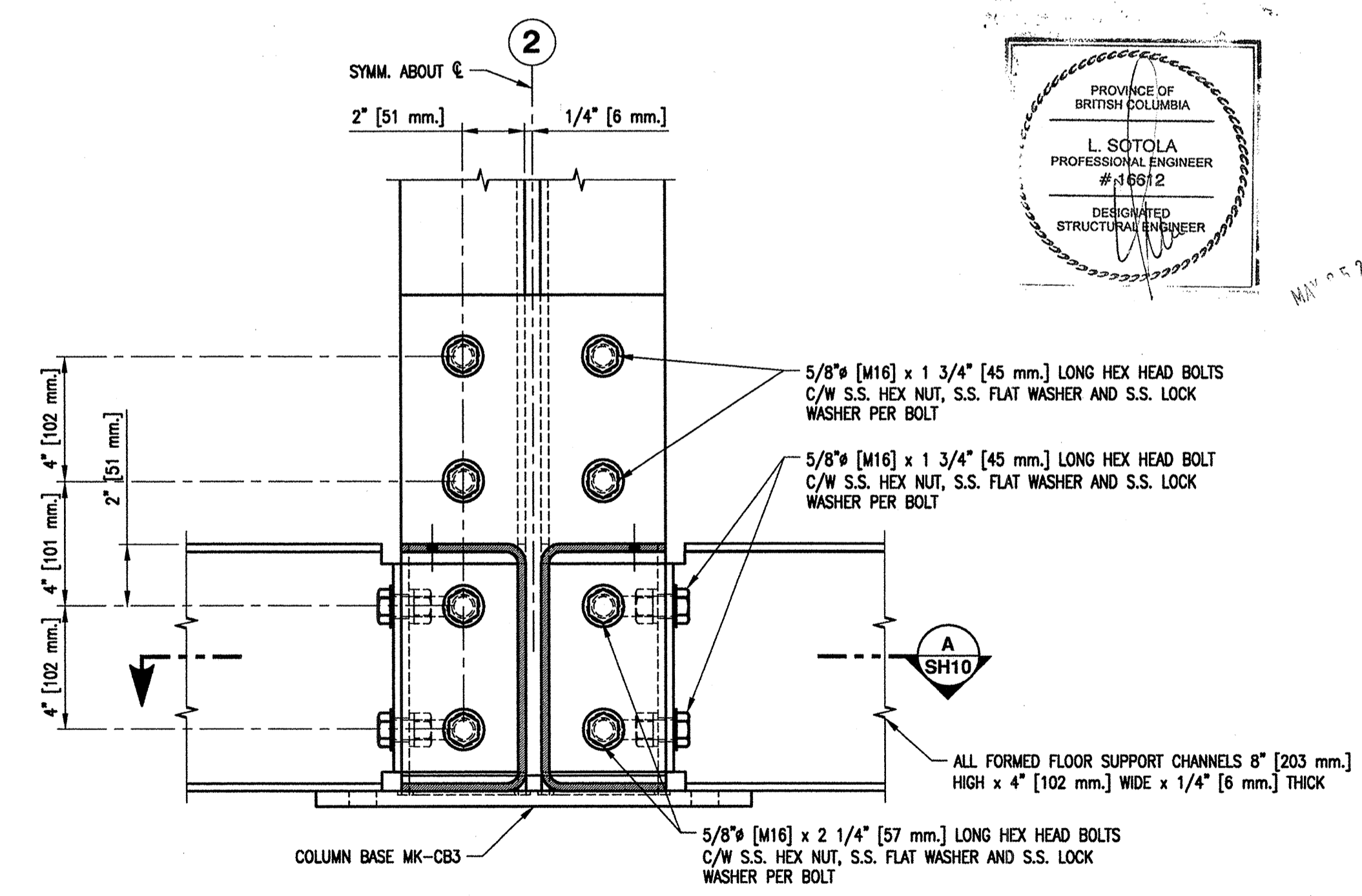
**SIDE VIEW D** SH10 [AS SHOWN]  
**SIDE VIEW E** SH10 [SAME AS SIDE VIEW 'D' EXCEPT OPPOSITE HAND]



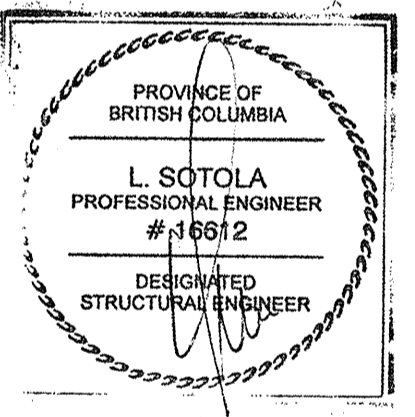
**DETAIL 1**  
SCALE 1:4  
SH6



**SECTION A**  
SCALE 1:4  
SH10



**DETAIL 2**  
SCALE 1:4  
SH6



1. FOR GENERAL NOTES AND LEGEND REFER TO DRAWING 4-30-16-SF SH1.

DESIGNED	M. Liang
DRAWN	G. Reichhardt
CHECKED	
RECOMMENDED	
APPROVED	
APPROVED	

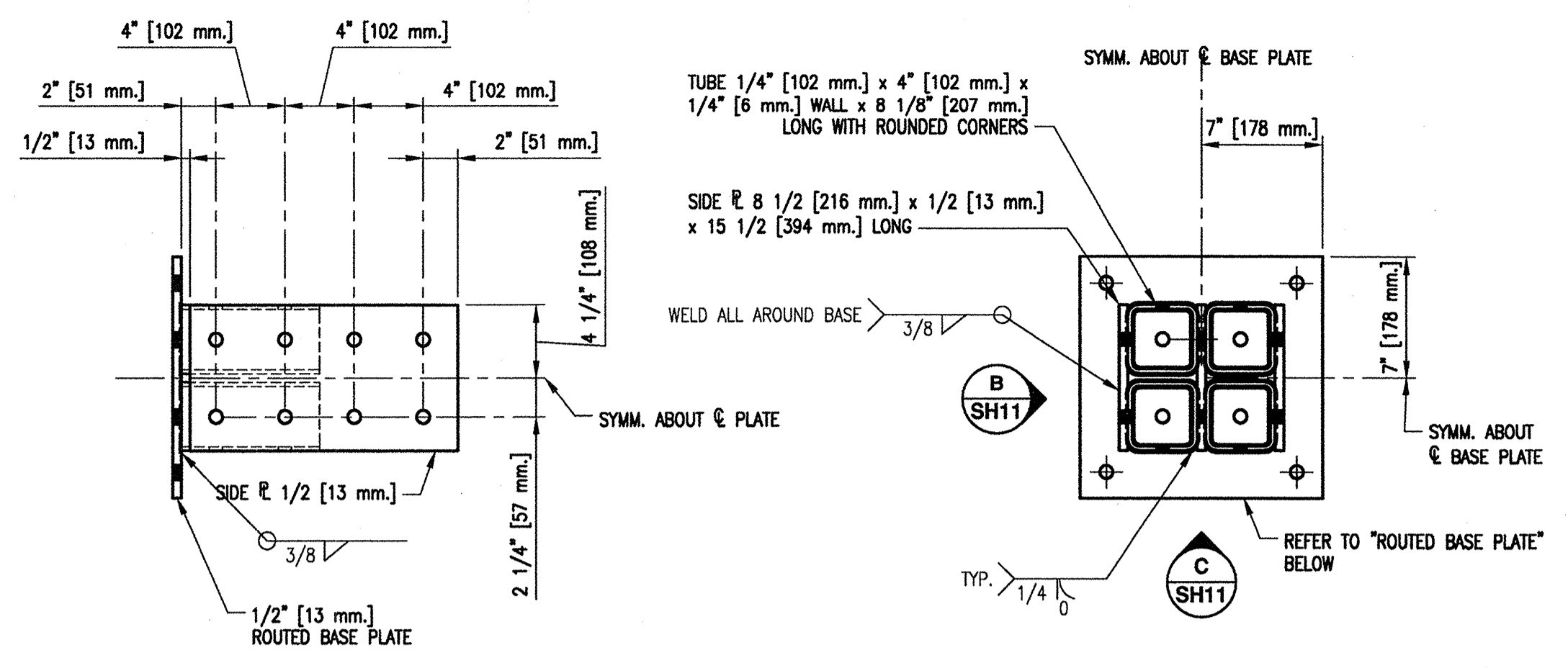
**FISHERIES AND OCEANS CANADA**  
REAL PROPERTY, SAFETY & SECURITY

**PREFABRICATED BUILDING**  
**MODEL 24X72-S1**  
**STRUCTURAL ALUMINUM FRAME**  
**COLUMN BASE MK-CB1**  
**SECTIONS AND DETAILS**

SCALE	AS NOTED
DATE	MAY 11, 2015
DWG. NUMBER	4-30-16-SF
SHEET	10 of 11
SIZE	D
REVISION	

DWG. NO.	DRAWING REFERENCES	NOTES	NO.	DATE	REVISIONS
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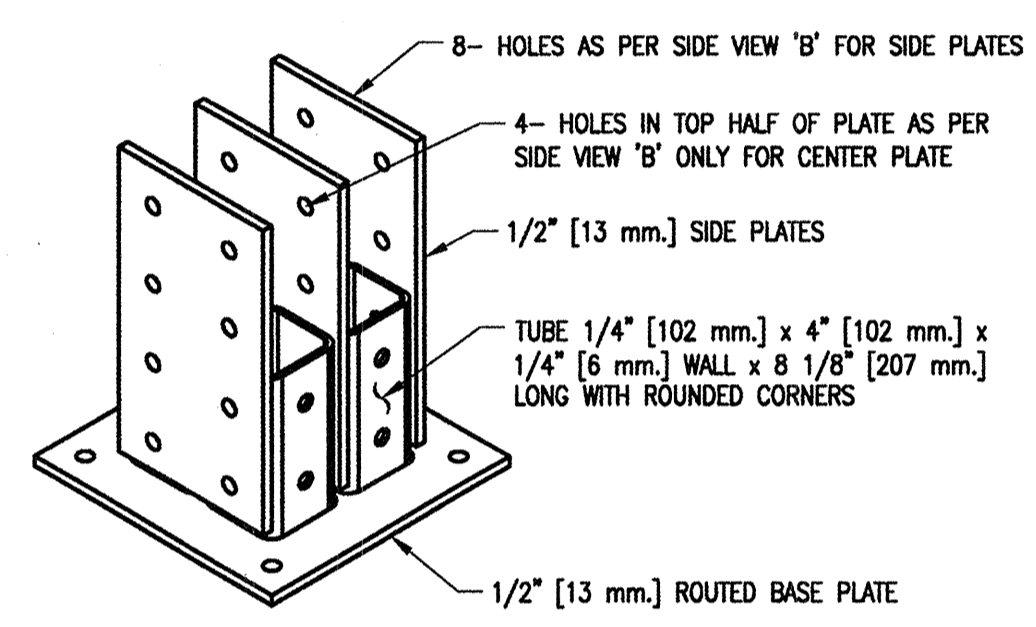




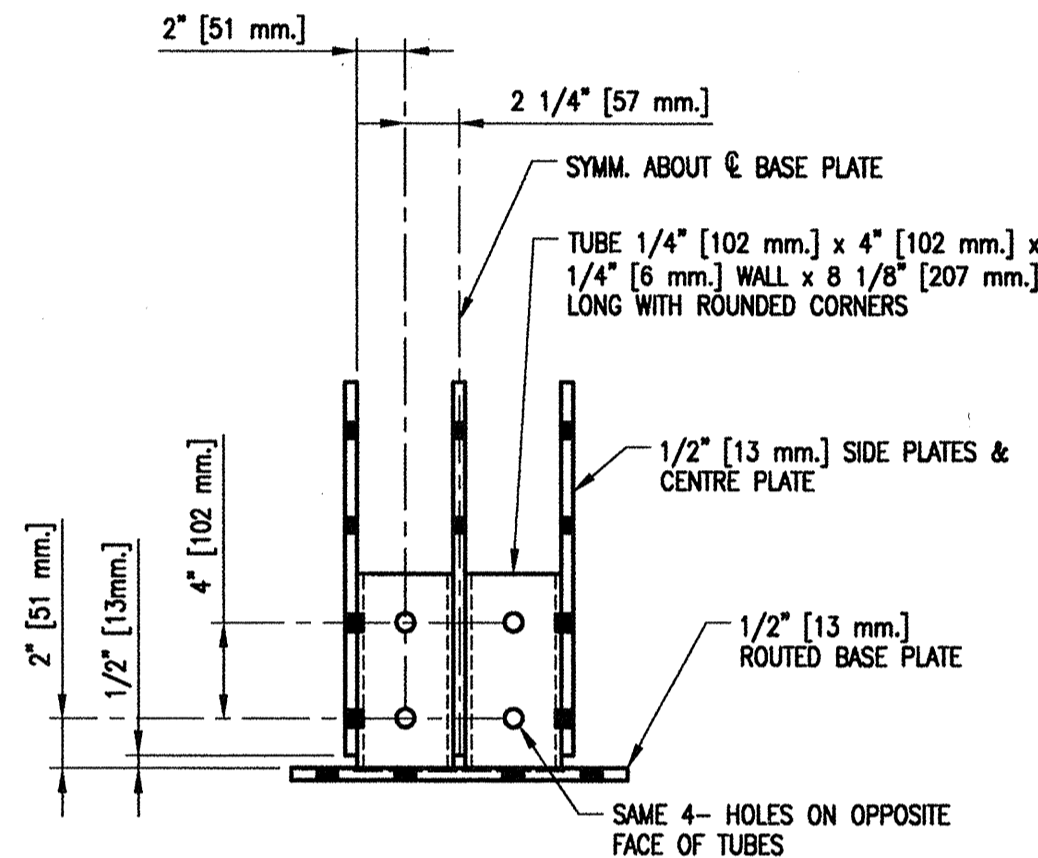
**SIDE VIEW B**  
SH11

**PLAN**  
SH11

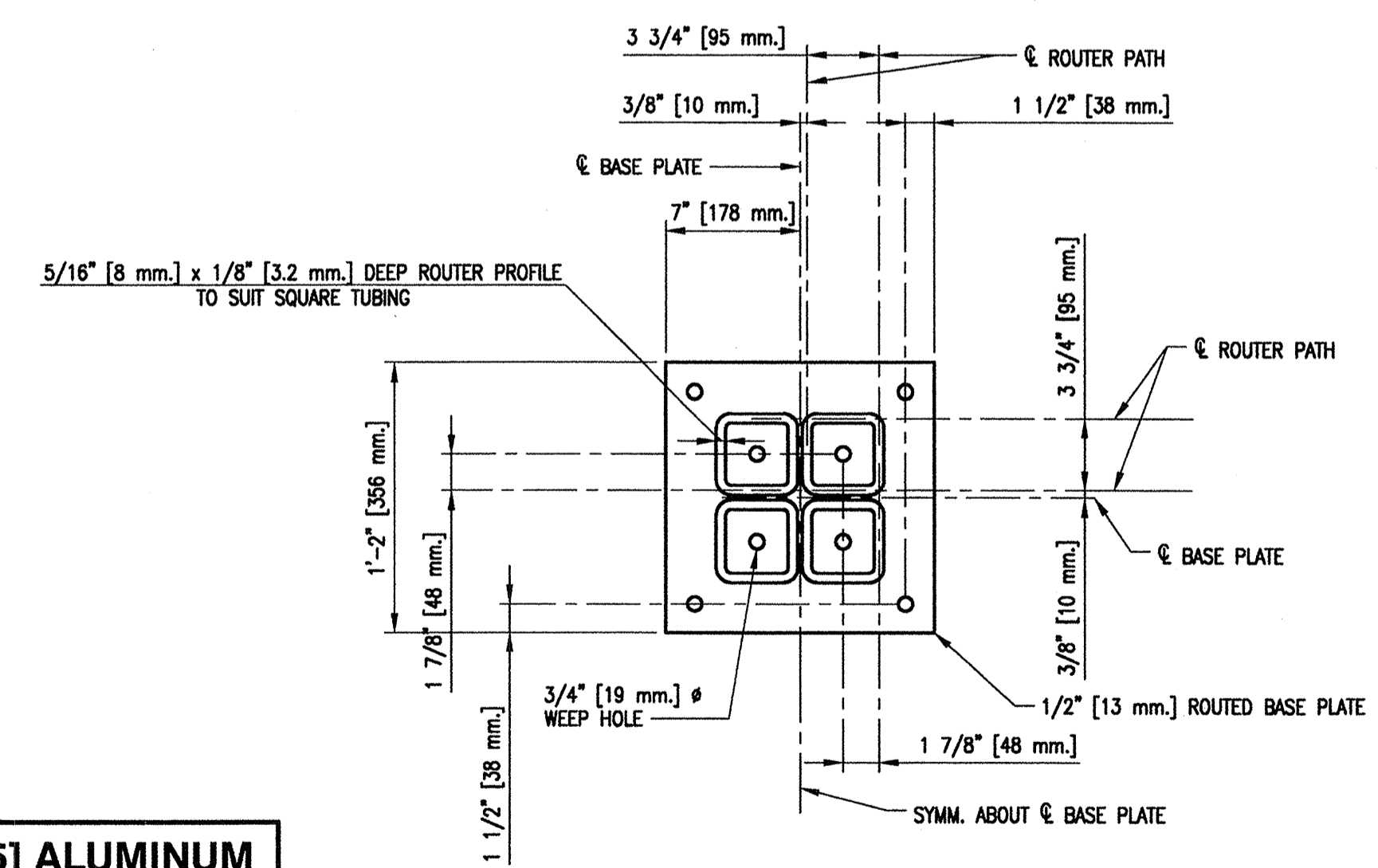
ALL HOLES 3/4" [19 mm.] Ø



**3D VIEW**

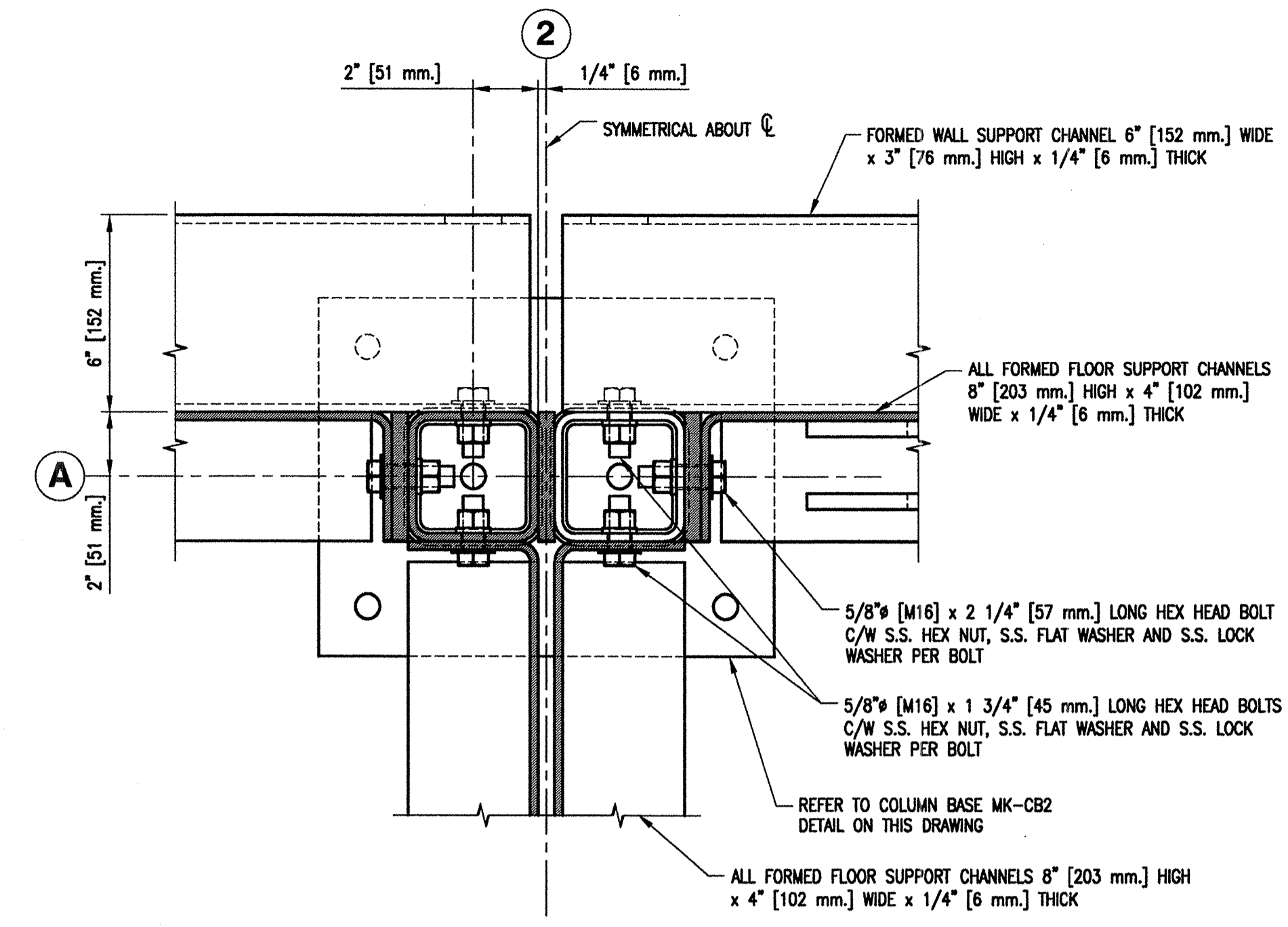


**SIDE VIEW C**  
SH11

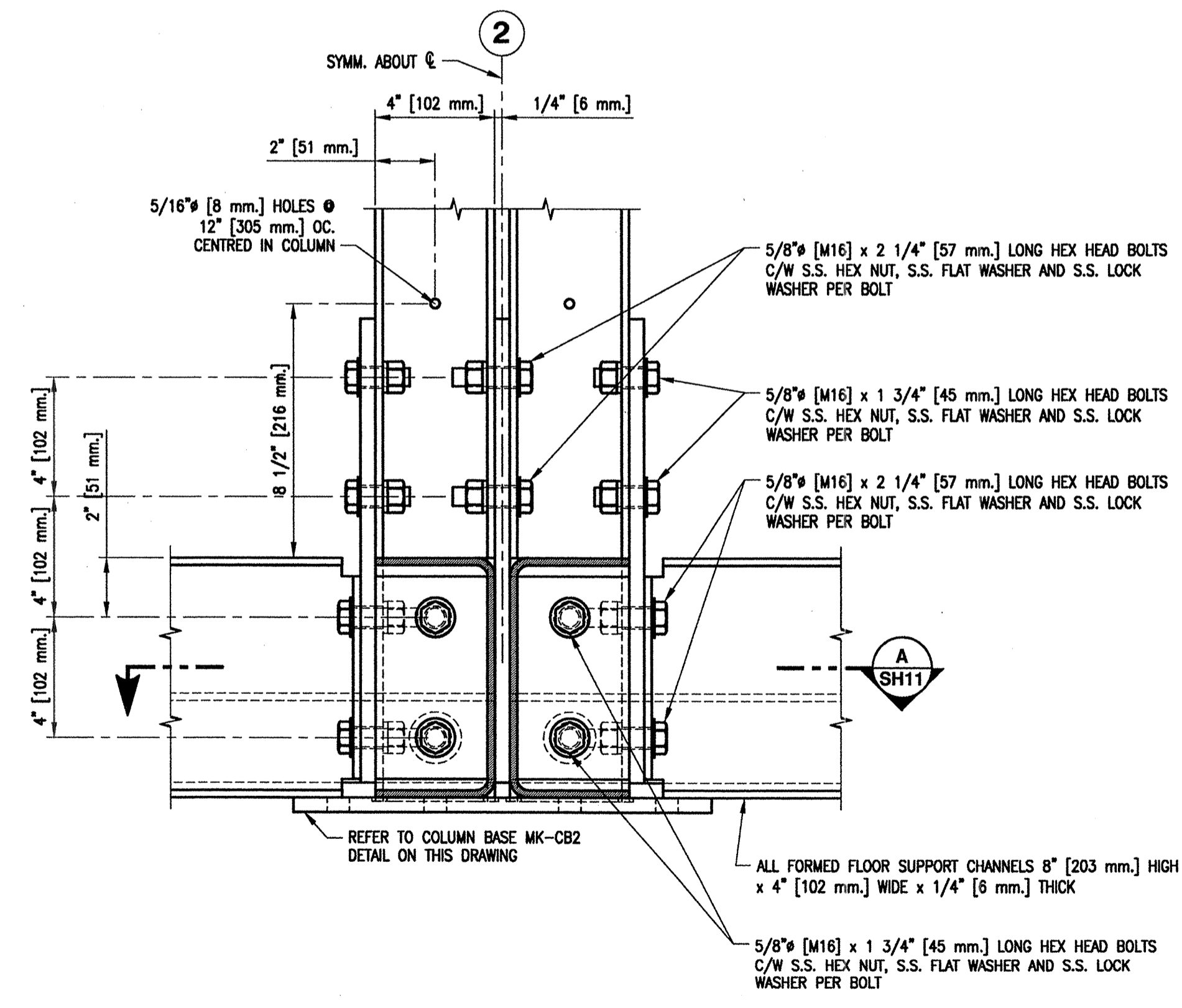


**ROUTED BASE PLATE**

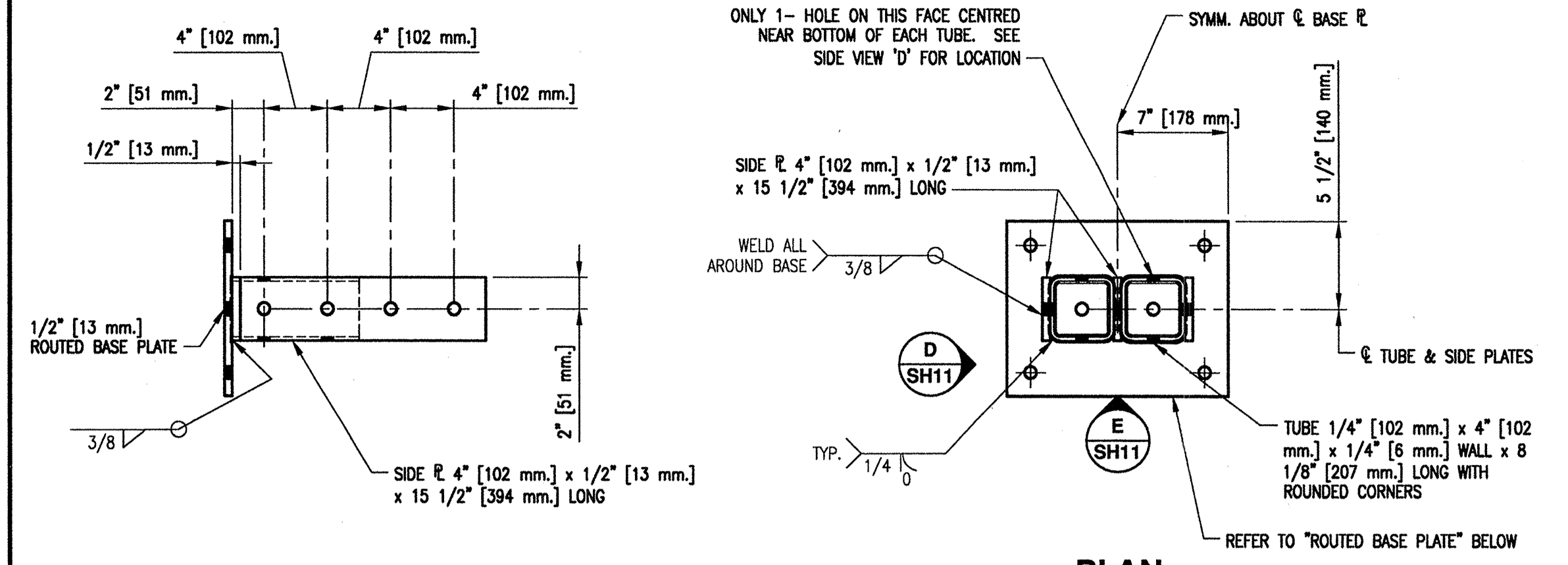
**MAKE FIVE [5] ALUMINUM COLUMN BASES MK-CB3**  
SCALE 1:8



**SECTION A**  
SCALE 1:4  
SH11



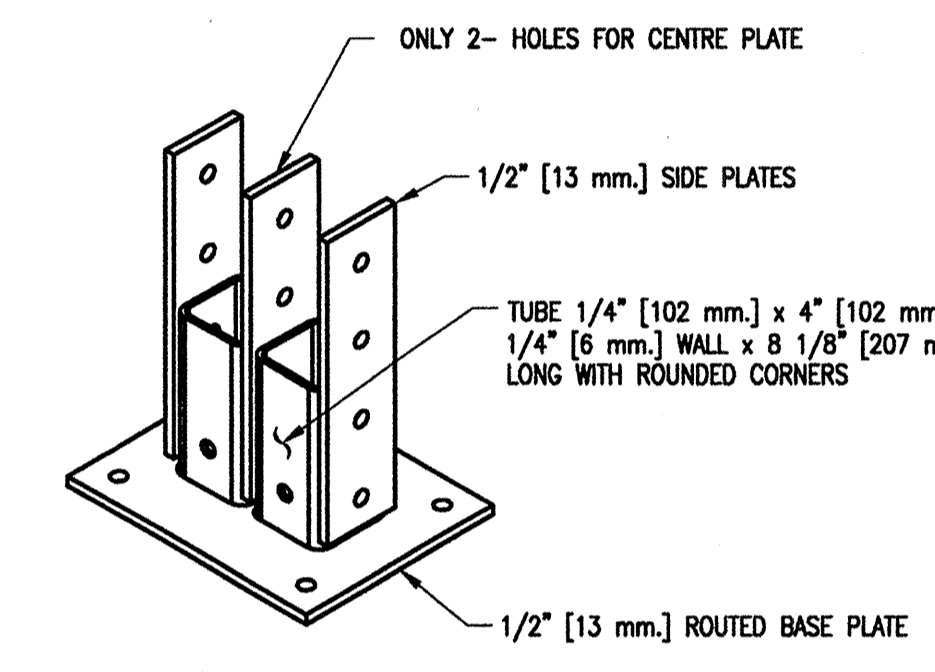
**DETAIL 1**  
SCALE 1:4  
SH6



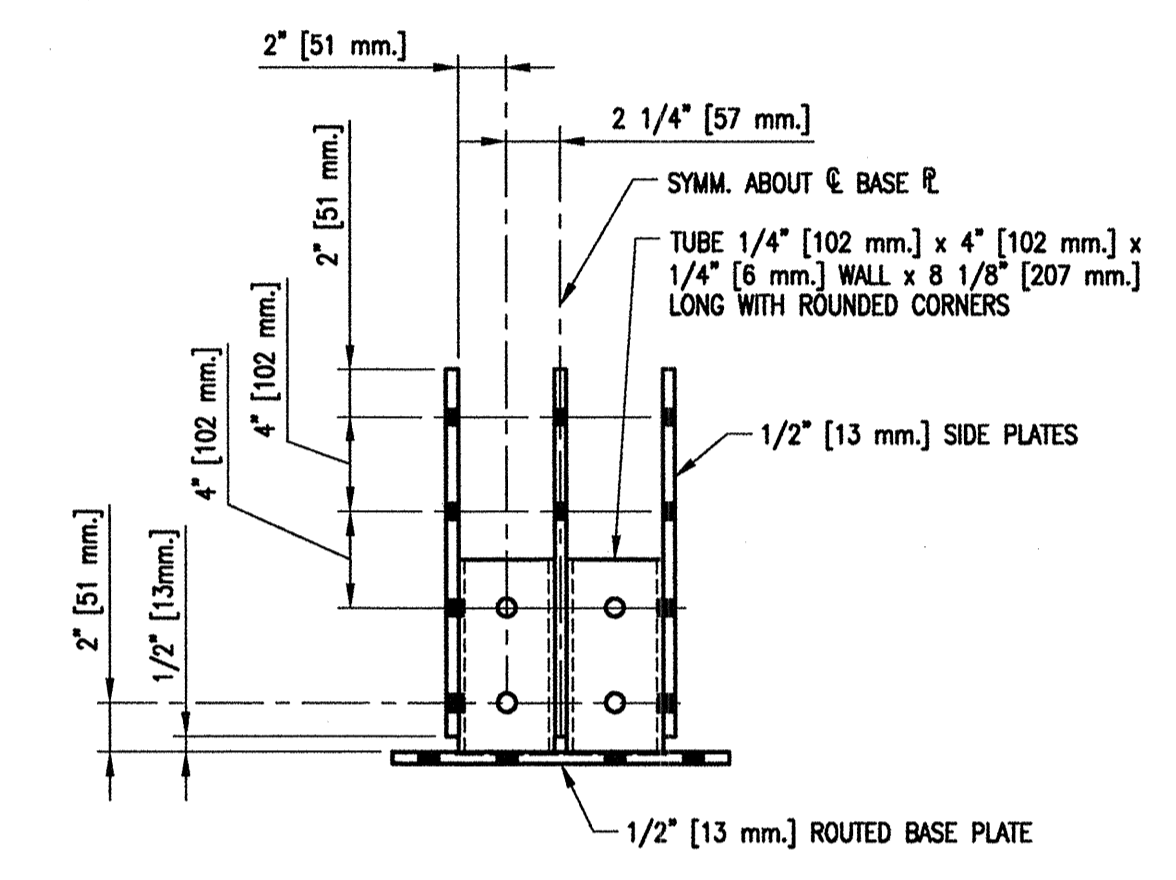
**SIDE VIEW D**  
SH11

**PLAN**  
SH11

ALL HOLES 3/4" [19 mm.] Ø

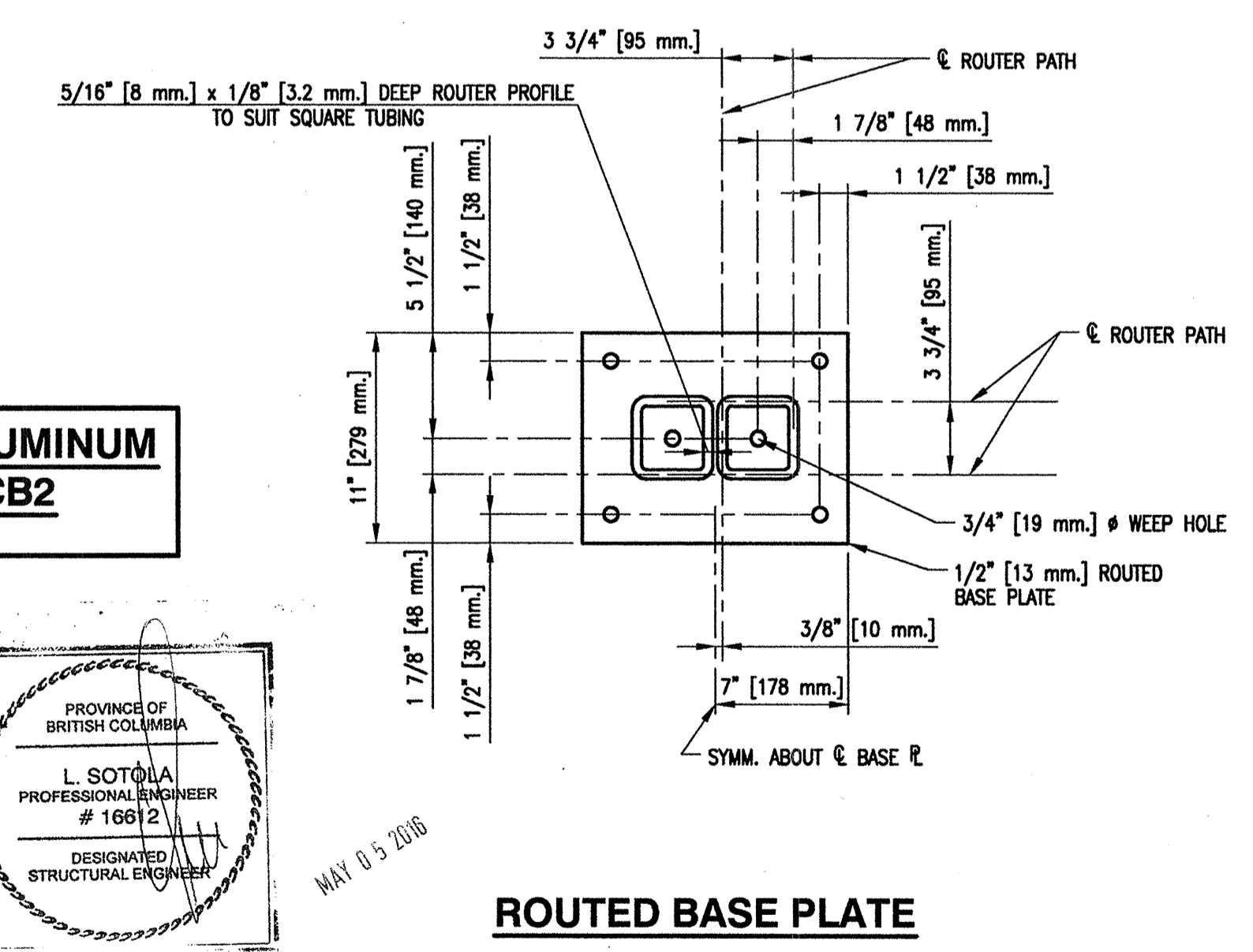
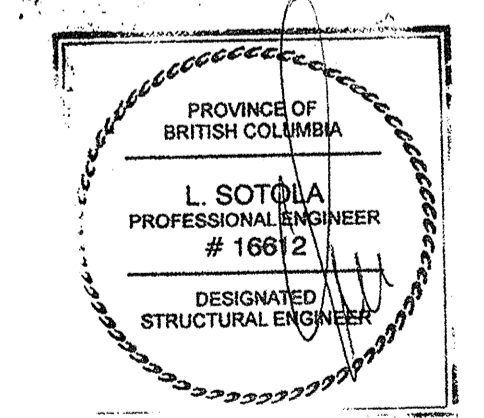


**3D VIEW**



**SIDE VIEW E**  
SH11

**MAKE TWELVE [12] ALUMINUM COLUMN BASES MK-CB2**  
SCALE 1:8



**ROUTED BASE PLATE**

1. FOR GENERAL NOTES AND LEGEND REFER TO DRAWING 4-30-16-SF SH1.

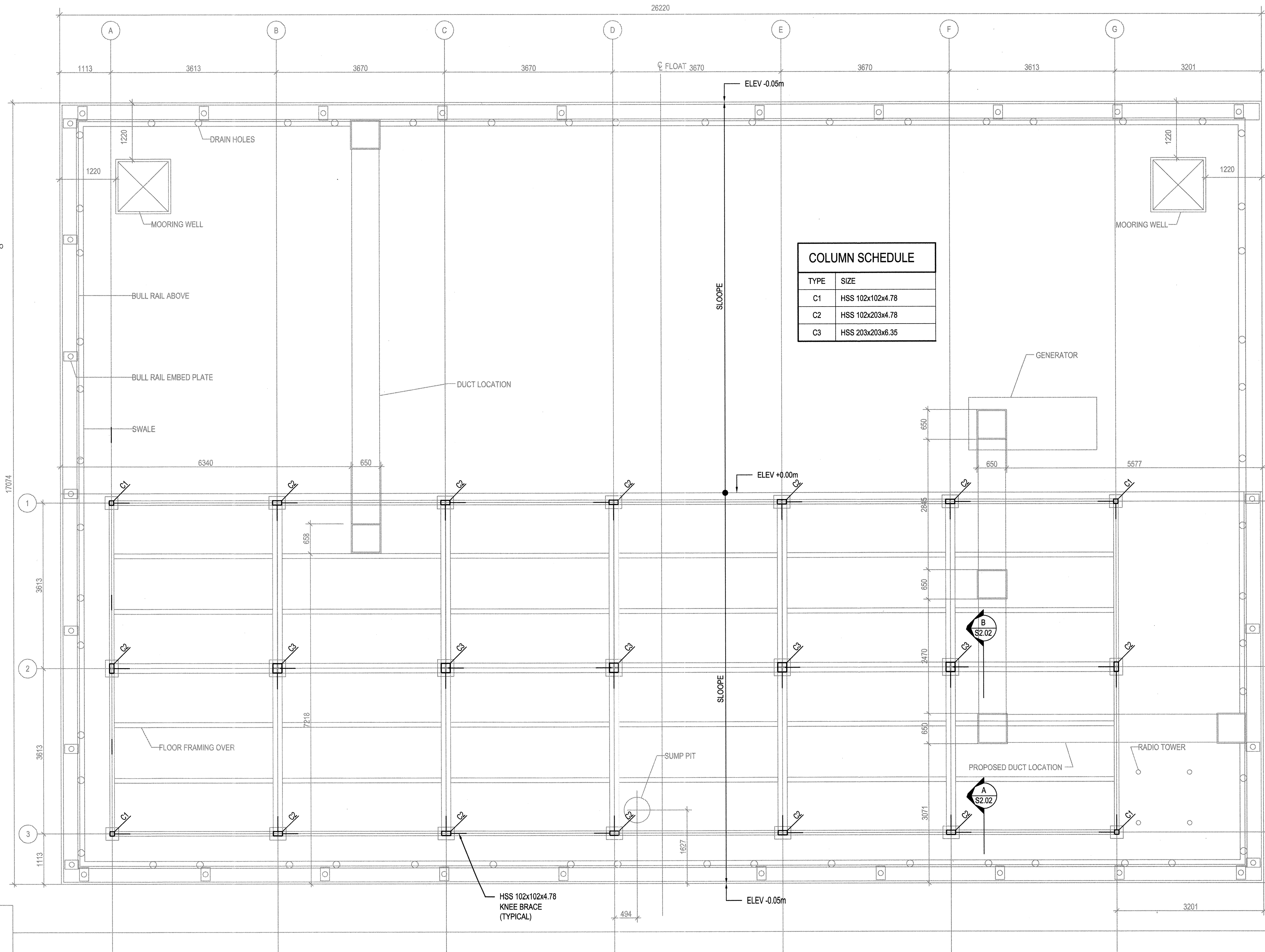
DWG. NO.	DRAWING REFERENCES	NOTES	NO.	DATE	REVISIONS	DESIGNED M. Liang	<b>FISHERIES AND OCEANS CANADA</b> REAL PROPERTY, SAFETY & SECURITY	SCALE AS NOTED
						DRAWN G. Reichhardt		<b>PREFABRICATED BUILDING MODEL 24X72-S1</b> <b>STRUCTURAL ALUMINUM FRAME COLUMN BASE MK-CB2 AND COLUMN BASE MK-CB3 SECTIONS AND DETAILS</b>
						CHECKED		DWG. NUMBER 4-30-16-SF
						RECOMMENDED		SHEET 11 of 11
						APPROVED		SIZE D
						APPROVED		REVISION

**GENERAL NOTES**

- CONTRACTOR TO VERIFY ALL DIMENSIONS FOR BUILDING (INCLUDING EXISTING STRUCTURAL MEMBER SIZES) PRIOR TO COMMENCEMENT OF WORK AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- STRUCTURAL DRAWINGS SHOW THE COMPLETED PROJECT. THEY DO NOT SHOW COMPONENTS WHICH MAY BE NECESSARY FOR CONSTRUCTION SAFETY. CONTRACTOR IS RESPONSIBLE FOR SAFETY ON AND ABOUT THE JOB SITE DURING CONSTRUCTION.
- CONTRACTOR TO ENSURE THAT ALL WORK IS CARRIED OUT BY THE RULES AND CUSTOMS OF THE BEST TRADE PRACTICES AND THEIR SPECIFICATIONS BY SKILLED TRADES PEOPLE KNOWLEDGEABLE OF THE TYPE OF CONSTRUCTION. THEY ARE TO BE PROPERLY EQUIPPED AND SUPERVISED.
- NOTIFY DEPARTMENTAL REPRESENTATIVE 48 HOURS IN ADVANCE FOR CONSTRUCTION REVIEW OF THE STRUCTURAL PORTION OF THE BUILDING AS SHOWN ON THE STRUCTURAL DRAWINGS IN ACCORDANCE WITH DIVISION C PART 2 OF THE NATIONAL BUILDING CODE OF CANADA 2015.
- THESE STRUCTURAL DRAWINGS DO NOT INCLUDE DETAILS FOR BUILDING ENVELOPE, WATER PROOFING AND DRAINAGE. SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND CIVIL ENGINEERING DRAWINGS AS APPROPRIATE.
- STRUCTURAL DESIGN DATA
  - ENGINEER OF RECORD: GARY LIANG, STRUCT. ENG., P. ENG.
  - DESIGN CODE - NATIONAL BUILDING CODE OF CANADA 2015 - PART 4.

**STRUCTURAL STEEL NOTES**

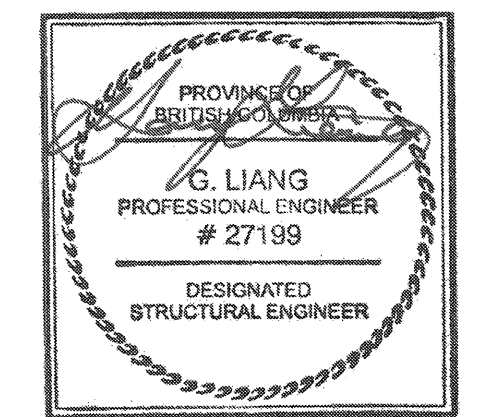
- STRUCTURAL STEEL TO CONFORM TO THE REQUIREMENTS OF THE FOLLOWING STANDARDS:
  - ROLLED SECTIONS: G40 21 350W
  - CHANNELS, ANGLES & PLATE: G40 21 300W
  - PIPE: A53
  - HSS & LIGHT GAUGE SECTIONS: G40 21 350W
  - BOLTS: ASTM A325
- FABRICATION, ERECTION, STRUCTURAL DESIGN, & DETAILING OF ALL STRUCTURAL STEEL TO BE IN ACCORDANCE WITH CANCSA-S16-09.
- ALL WELDING TO CONFORM TO CSA W59 AND BE PERFORMED BY FABRICATORS FULLY APPROVED BY THE CANADIAN WELDING BUREAU UNDER CSA W47. FABRICATING SHOP TO HAVE A DIVISION 1 OR 2 CERTIFICATION BY THE CANADIAN WELDING BUREAU TO THE REQUIREMENTS OF CSA W47.1 AND SUBMIT PROOF OF CERTIFICATION PRIOR TO START OF WORK.
- ALL FIELD WELDS TO BE CLEANED AND PAINTED.
- ALL STRUCTURAL STEEL TO RECEIVE ONE SHOP COAT OF PRIMER PAINT (CISOC/PMMA 1.73A) EXCEPT THAT PARTS OF MEMBERS TO BE EMBEDDED IN CONCRETE ARE NOT TO BE PAINTED.
- ALL WEATHER EXPOSED STRUCTURAL STEEL TO BE HOT DIP GALVANIZED, WHERE INDICATED, TO CANCSA-G164, MINIMUM ZINC COATING OF 600 GM.
- STRUCTURAL STEEL SHOP DRAWINGS: SUBMIT SHOP DRAWINGS TO THE STRUCTURAL ENGINEER OF RECORD FOR REVIEW PRIOR TO FABRICATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DIMENSIONS AND FIT-UP OF ALL COMPONENTS.
- WHERE SPECIFICALLY CALLED FOR ON THE STRUCTURAL DRAWINGS, CERTAIN CONNECTIONS MAY BE DESIGNED BY A STRUCTURAL ENGINEER RETAINED BY THE FABRICATOR. ALL CONNECTIONS TO BE DESIGNED IN THE ACCORDANCE WITH CANCSA S16-09, AND APPROVED BY THE STRUCTURAL ENGINEER OF RECORD. SUBMIT SHOP DRAWINGS BEARING THE SEAL OF A REGISTERED STRUCTURAL ENGINEER IN BRITISH COLUMBIA. ALL SHOP DRAWINGS MUST BE APPROVED BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO FABRICATION.



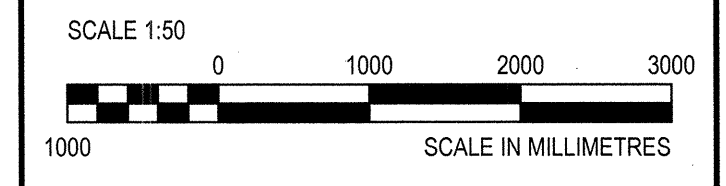
1  
S2.01  
FLOAT DECK PLAN SHOWING  
CRAWLSPACE FRAMING  
SCALE: 1:50



JOB No. 131-19104-20



October 19 2016



**DO NOT SCALE DRAWINGS**

Revision/Revision	Description/Description	Date/Date
5		
4		
3		
2	TENDER	2016.09.19
1	90% REVIEW	2016.08.15
0	68% REVIEW	2016.07.25

Client/client  
**FISHERIES AND OCEANS,  
 REAL PROPERTY,  
 SAFETY AND SECURITY**  
 VANCOUVER, BC  
 200-401 BURNARD ST.

Project title/Titre du projet  
**705 ISLAND HIGHWAY  
 CAMPBELL RIVER, B.C.**

**CAMPBELL RIVER  
 SAR STATION**

Approved by/Approve par  
 GARY LIANG

Designed by/Concept par  
 GARY LIANG

Drawn by/Designe par  
 ROD MAR/2016.07.22

PWOSC Project Manager/Administrateur de Projets TPSC  
 PREEETIPAL PAUL

PWOSC, Architectural and Engineering Resource Manager/  
 Ressource Architectural et de Directeur d'ingenierie, TPSC

Client/client  
 PWOSC-REGIONAL\_MANAGER

Drawing title/Titre du dessin  
**FLOAT DECK PLAN SHOWING  
 CRAWLSPACE FRAMING**

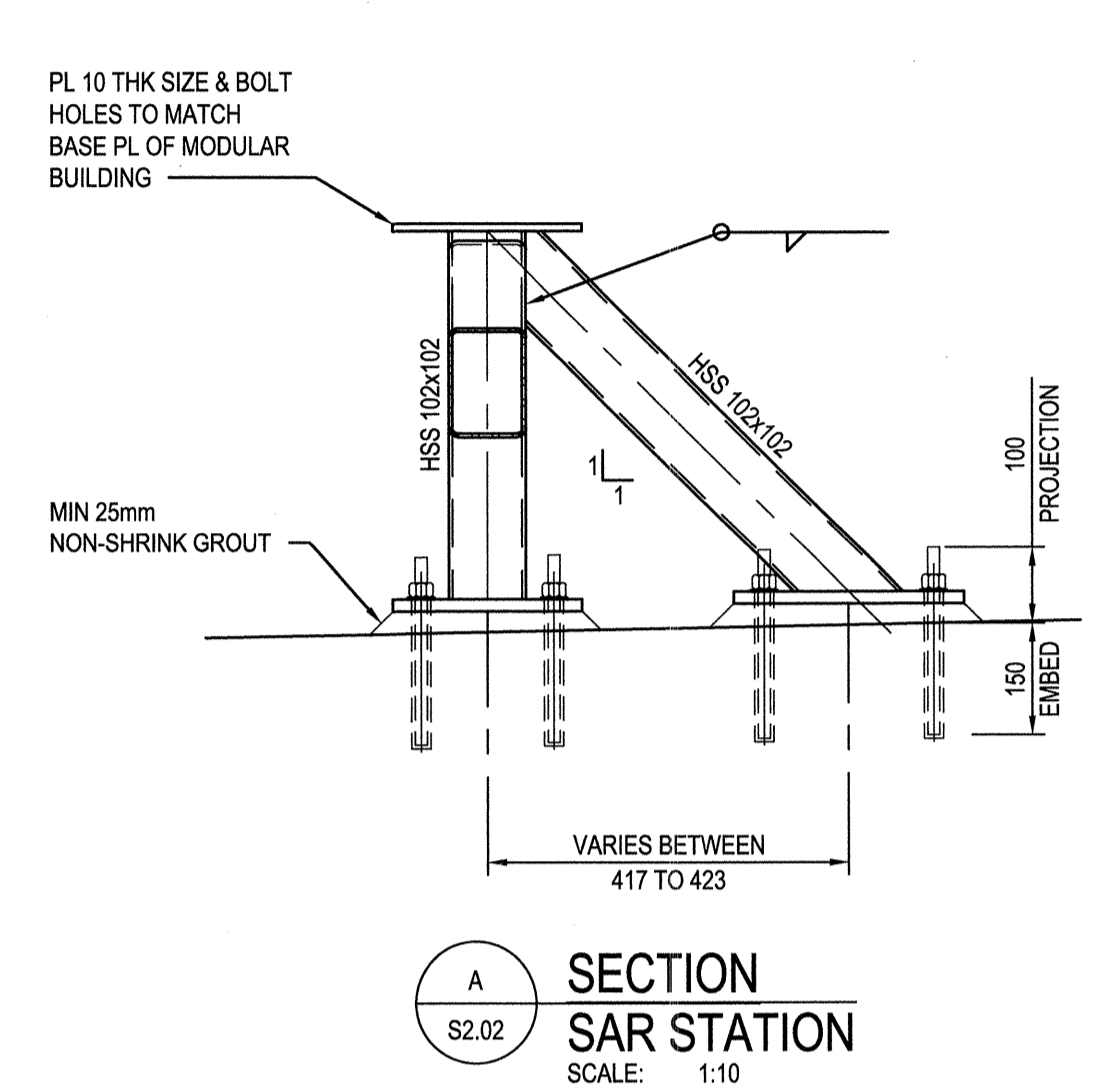
Project No./No. du projet	Sheet/Fauille	Revision no./La Revision no.
	<b>S2.01</b>	<b>2</b>
	1 OF 2	



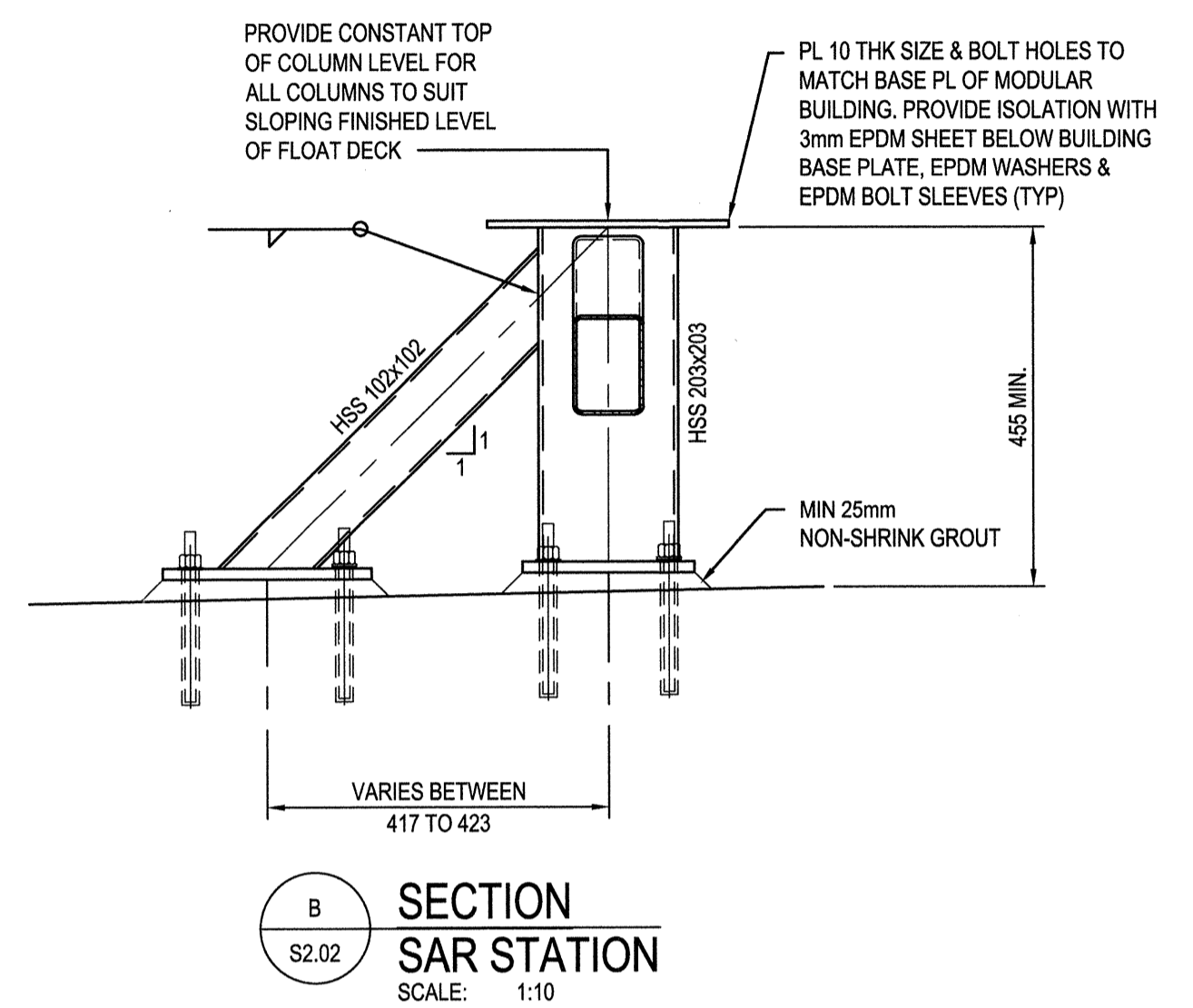




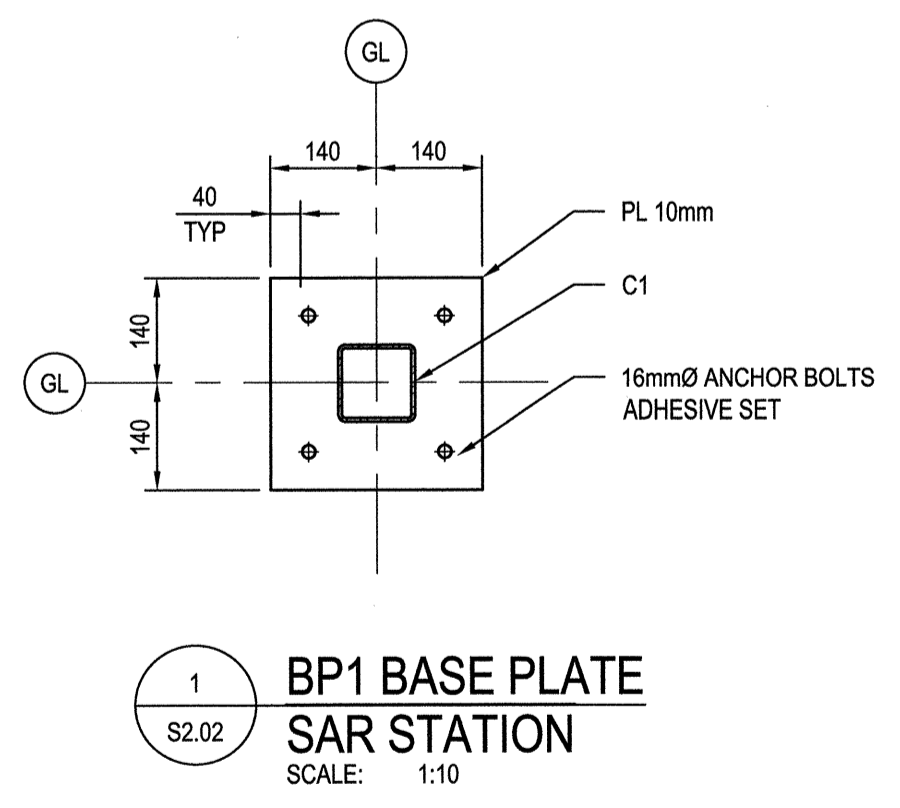
JOB No. 131-19104-20



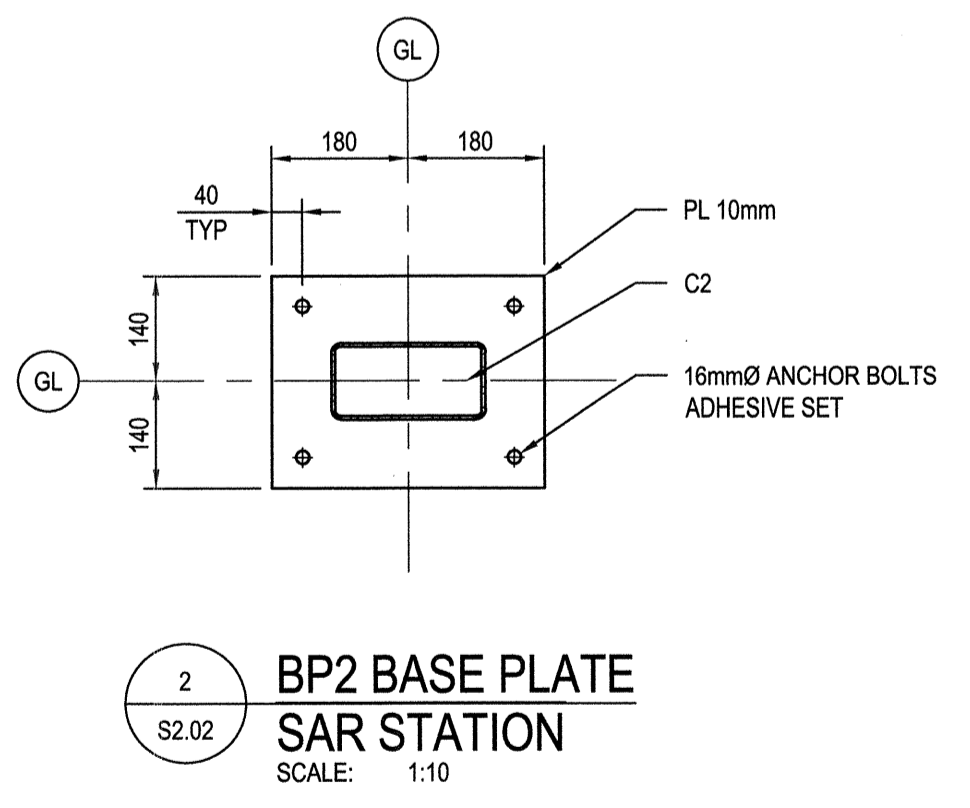
**A SECTION SAR STATION**  
SCALE: 1:10



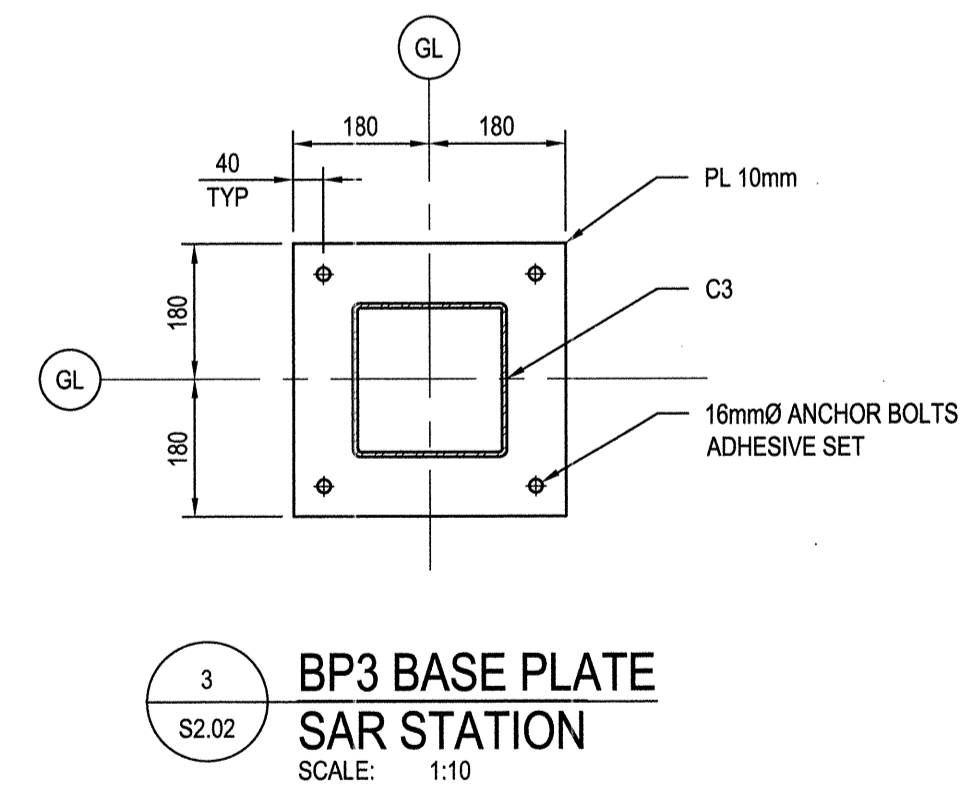
**B SECTION SAR STATION**  
SCALE: 1:10



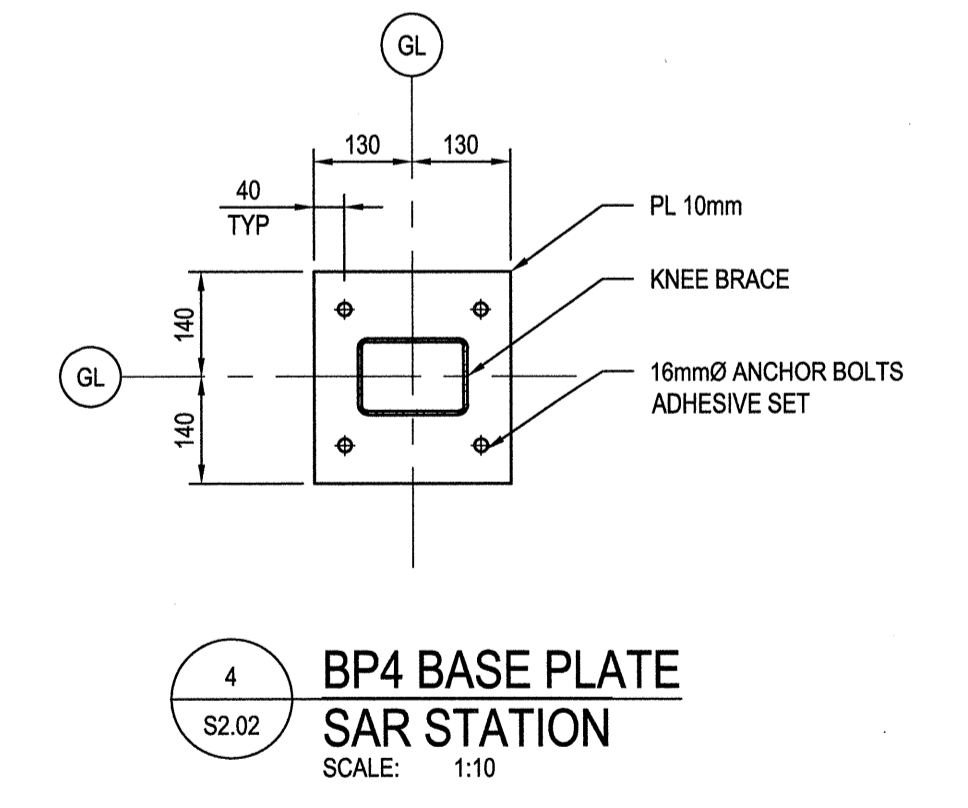
**1 BP1 BASE PLATE SAR STATION**  
SCALE: 1:10



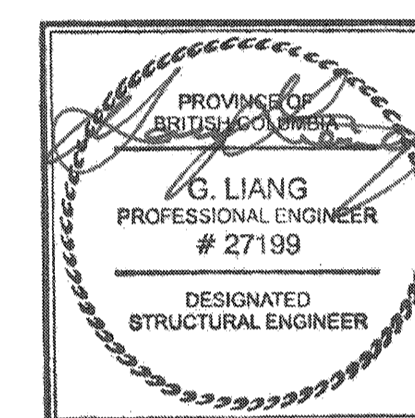
**2 BP2 BASE PLATE SAR STATION**  
SCALE: 1:10



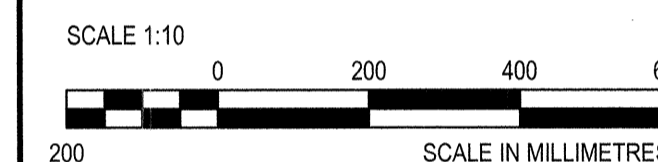
**3 BP3 BASE PLATE SAR STATION**  
SCALE: 1:10



**4 BP4 BASE PLATE SAR STATION**  
SCALE: 1:10



October 19 2016



DO NOT SCALE DRAWINGS

5		
4		
3		
2	TENDER	2016.08.19
1	90% REVIEW	2016.08.15
0	60% REVIEW	2016.07.25

Revision/Revisions	Description/Description	Date/Date
--------------------	-------------------------	-----------

Client/client

**FISHERIES AND OCEANS, REAL PROPERTY, SAFETY AND SECURITY**

VANCOUVER, BC  
200-401 BURRARD ST.

Project title/Titre du projet  
**705 ISLAND HIGHWAY CAMPBELL RIVER, B.C.**

**CAMPBELL RIVER SAR STATION**

Approved by/Approve par

Designed by/Concept par  
GARY LIANG

Drawn by/Dessiné par  
ROD MAR/2016.07.22

PWSSC Project Manager/Administrateur de Projets TPSSC

PWSSC, Architectural and Engineering Resource Manager/ Ressource Architectural et de Directeur d'ingénierie, TPSSC  
PREETIPAL PAUL

Client/client  
PWSSC-REGIONAL\_MANAGER

Drawing title/Titre du dessin

**SECTIONS AND DETAILS**

Project No./No. du projet	Sheet/Fauille <b>S2.02</b>	Revision no./La Révision no. 2 OF 2
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**FAN SCHEDULE**

TAG	SERVICE	AIR FLOW l/s / cfm	STATIC PRESSURE Pa / in	SONES	MOTOR HP	ELECT DATA		NOTES
						VOLTS	PHASE	
EF-101	WORKSHOP EXHAUST FAN	150 / 320	95 / 0.38	5.5	120 W	120	1	1
EF-103	COPY ROOM EXHAUST FAN	55 / 120	95 / 0.38	2.5	45 W	120	1	1

**NOTE:**

- COMPLETE WITH ALUMINIUM GRILLE, VIBRATION ISOLATION, FLEXIBLE CONNECTIONS, SPEED CONTROLLER FOR BALANCING, CONTROL DAMPER.

**GRILLE, REGISTER AND DIFFUSER SCHEDULE**

TAG	TYPE	BORDER	MATERIAL	CORE STYLE	LOUVRE ORIENT.	VOLUME DAMPER	FASTENING	FINISH
SR	SUPPLY REGISTER	SURFACE	ALUMINIUM	AIRFOIL DOUBLE DEFLECTION	L	YES	SCREW	BAKED ENAMEL, ALUMINIUM
RG	RETURN GRILLE	NOTE 1	ALUMINIUM	AIRFOIL LOUVRED FIXED GRILLE	L, 45°, 20mm	NO	CONCEALED	BAKED ENAMEL, NOTE 2
ER1	EXHAUST REGISTER	NOTE 1	ALUMINIUM	12 x 12 x 12 mm EGGCRATE	-	YES	SCREW	BAKED ENAMEL, ALUMINIUM
ER2	EXHAUST REGISTER	NOTE 1	ALUMINIUM	AIRFOIL LOUVRED FIXED GRILLE	L, 45°, 20mm	YES	SCREW	BAKED ENAMEL, NOTE 2
TG	TRANSFER GRILLE	NOTE 1	ALUMINIUM	AIRFOIL LOUVRED FIXED GRILLE	L, 45°, 20mm	YES	SCREW	BAKED ENAMEL, NOTE 2

**NOTE:**

- BORDER/MOUNTING FRAME: TYPE 1 OR 3 TO SUIT APPLICATION.
- COLOUR TO ARCHITECT'S CHOICE.

**HEAT PUMP (SPLIT TYPE) SCHEDULE**

TAG	SERVICE	HEATING		COOLING		INDOOR UNIT						OUTDOOR UNIT		NOTES
		KW / MBH	ELEC KW	SENSIBLE KW / MBH	TYPE	AIR FLOW L/s / cfm	ESP Pa / in	MOTOR HP	VOLTS	PHASE	VOLTS	PHASE		
HP-1 CU-1	BUILDING HEAT/COOL	7.8 / 26.6	7.2	8.9 / 30.5	VERTICAL	470 / 1000	125 / 0.5	1/3	208	3	208	3	1, 2, 3, 4	

**NOTE:**

- SPLIT AIR CONDITIONING UNIT WITH DOUBLE CIRCUITED COIL SUITABLE FOR LOW AMBIENT OPERATION -10.0°C [14°F].
- HEATING SHALL BE RATED AT:  
OAT: 8.3°C [47°F] DB  
EAT: 24.4/16.7°C [76/62°F] DB/WB.
- COOLING SHALL BE RATED AT:  
OAT: 30°C [85°F] DB/WB  
EAT: 24.4/16.7°C [76/62°F] DB/WB.
- R-410 REFRIGERANT (HCFC REFRIGERANTS SHALL NOT BE USED).

**HEAT RECOVERY VENTILATOR (HRV) SCHEDULE**

TAG	SERVICE	AIR FLOW l/s / cfm	EFFECTIVENESS %	STATIC PRESSURE Pa / in	RPM	MOTOR HP	ELECT. DATA		NOTES
							VOLTS	PHASE	
HRV-1	BUILDING HRV	170 / 360	51	100 / 0.4	1350	1/3	120	1	1, 2, 3

**NOTE:**

- ACCESSORIES: DRAFT CONTROLLER, AIR PROVING SWITCH, DEFROST CYCLE
- PLUG-IN POWER
- UNIT COMPLETE WITH VIBRATION ISOLATION, FLEXIBLE CONNECTIONS & SEISMIC RESTRAINT

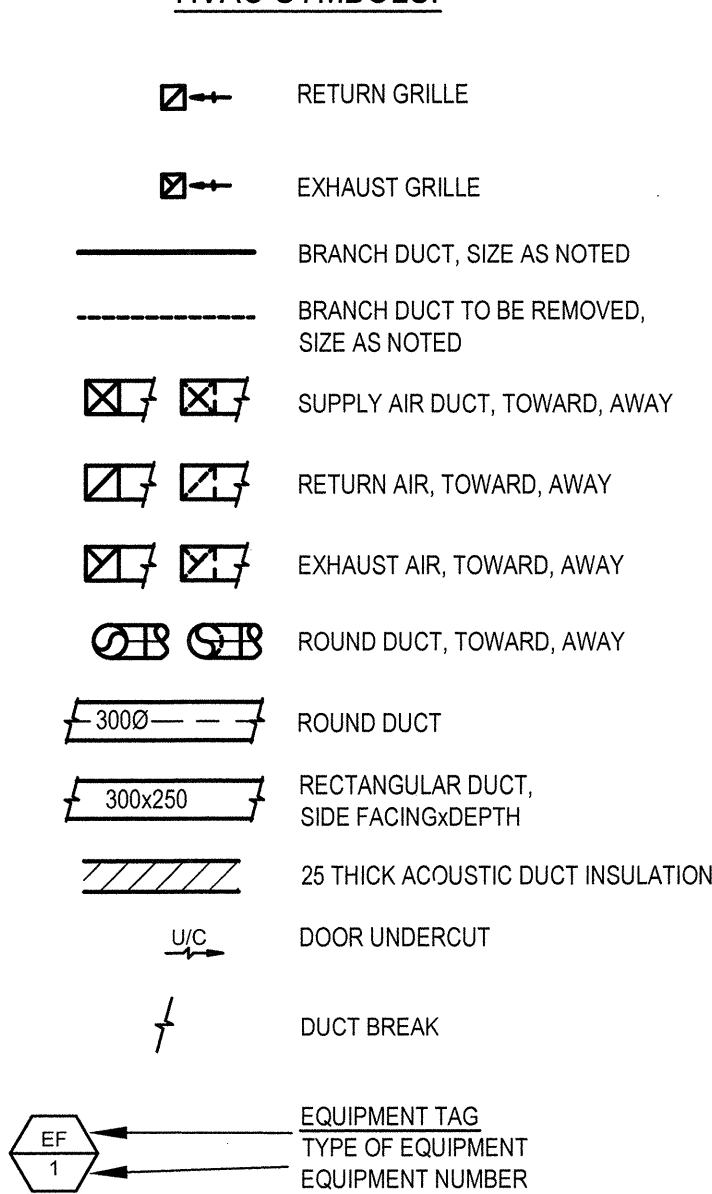
**PUMP SCHEDULE**

TAG	SERVICE	PUMP TYPE	FLOW l/min / gpm	FLUID	FLUID TEMP. °C / °F	DIFF. PRESS kPa / feet	PUMP SPEED rpm	PUMP EFF.	MOTOR SIZE HP	ELECT DATA		NOTES
										VOLTS	PHASE	
P-S1	SANITARY SUMP	DUPLEX SUMP	225 / 60	SANITARY	10.0 / 50	84 / 28	3450	-	1/2	120	1	1
P-S2	PUMP	SUMP	225 / 60	SANITARY	10.0 / 50	84 / 28	3450	-	1/2	120	1	1

**NOTE:**

- REFER TO SPECIFICATIONS.

**HVAC SYMBOLS:**

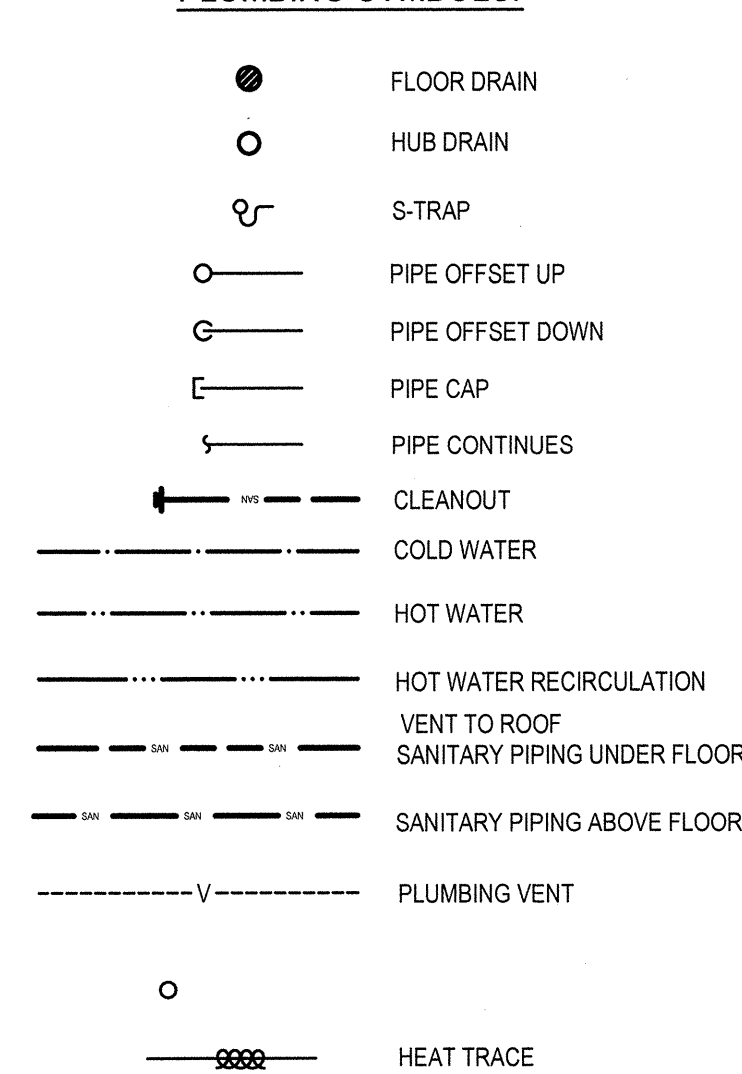


**ABBREVIATIONS:**

- BD BALANCE DAMPER
- CD CONTROL DAMPER
- CV CONTROL VALVE
- DG DOOR GRILLE
- E/A EXHAUST AIR
- EF EXHAUST FAN
- EG EXHAUST GRILLE
- ER EXHAUST REGISTER
- FD FIRE DAMPER
- O/A OUTDOOR AIR
- R/A RETURN AIR
- RG RETURN GRILLE
- S/A SUPPLY AIR
- SG SUPPLY GRILLE
- SR SUPPLY REGISTER
- T/A TRANSFER AIR
- TG TRANSFER GRILLE

**LEGEND**

**PLUMBING SYMBOLS:**



**ABBREVIATIONS:**

- C COLD WATER
- CO CLEANOUT
- H HOT WATER
- L or LB LAVATORY BASIN
- FD FLOOR DRAIN
- FFL FINISHED FLOOR LEVEL
- S SINK
- SAN SANITARY PIPING
- SH SHOWER
- VTR VENT TO ROOF
- WC WATER CLOSET

**FIRE PROTECTION SYMBOLS:**



**TANK SCHEDULE**

TAG	SERVICE	TYPE	ORIENTATION	VOLUME L / Usgal	DIMENSIONS mm	TOP TAPPINGS # - mm	FRONT TAPPINGS # - mm	MAX. WORKING PRESSURE kPa / psi	NOTES
T-DHW	BLDG DOMESTIC HOT WATER	ELECTRIC	VERTICAL	285 / 75	OL: 1508 DIA: 610	2 - 20	TOP: NONE MID: NONE BOTTOM: NONE	1035 / 150	1, 2
ET-DHW	BLDG DOMESTIC HOT WATER	EXPANSION	VERTICAL	10 / 3.2	OL: 381 DIA: 229	20	TOP: NONE MID: NONE BOTTOM: NONE	- / -	1

**NOTE:**

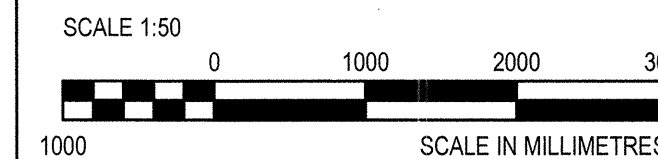
- REFER TO SPECIFICATIONS
- TAPPINGS ARE FOR PIPE CONNECTIONS. PROVIDE ADDITIONAL TAPPINGS AS REQUIRED FOR SENSORS AND SAFETY VALVES.

**MECHANICAL DRAWING LIST**

DRAWING NO.	DRAWING NAME	SCALE
M0.01	LEGEND, SCHEDULES & DRAWING LIST	N/A
M1.01	PLUMBING MAIN AND CRAWLSPACE FLOOR PLAN	1:100
M1.02	PLUMBING DETAILS	AS NOTED
M2.01	HVAC MAIN FLOOR PLAN	1:100



PROJECT # 131-19106-05



Revision/Revision	Description/Description	Date/Date
3	TENDER	2016-08-19
2	99% REVIEW	2016-08-12
1	86% REVIEW	2016-07-28

**FISHERIES AND OCEANS,  
REAL PROPERTY,  
SAFETY AND SECURITY**

VANCOUVER, BC  
200-401 BURRARD ST.

Project title/Titre du projet  
**705 ISLAND HIGHWAY  
CAMPBELL RIVER, B.C.**

**CAMPBELL RIVER  
SAR STATION**

Consultant Signature Box Only

Designed by/Concept par  
**ASV**

Drawn by/Dessiné par  
**DMM**

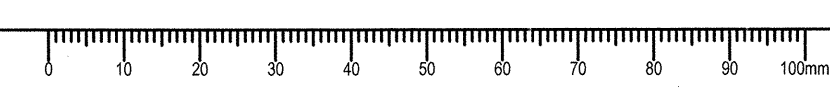
PWGSC Project Manager/Administrateur de Projets TPSGC

PWGSC Regional Manager/Architectural and Engineering Services/  
Gestionnaire régional, Services d'architecture et de génie, TPSGC  
**PREETIPAL PAUL**

Drawing title/Titre du dessin

**LEGEND SCHEDULES  
&  
DRAWING LIST**

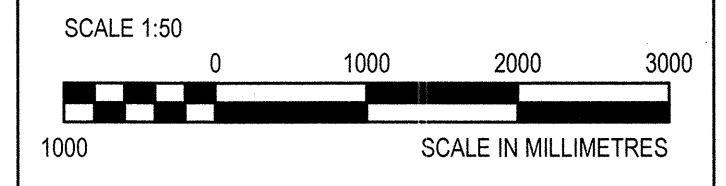
Project No./No. du projet	Sheet/ Feuille	Revision no./ La Révision no.
<b>R.000000.000</b>	<b>M0.01</b>	<b>A</b>







PROJECT # 131-19106-05



3	TENDER	2016-09-19
2	99% REVIEW	2016-08-12
1	86% REVIEW	2016-07-28
Revision/	Description/Description	Date/Date
Client/Client		

**FISHERIES AND OCEANS,  
 REAL PROPERTY,  
 SAFETY AND SECURITY**  
 VANCOUVER, BC  
 200-401 BURRARD ST.

Project title/Titre du projet  
**705 ISLAND HIGHWAY  
 CAMPBELL RIVER, B.C.**

**CAMPBELL RIVER  
 SAR STATION**

Consultant Signature Box Only

Designed by/Concept par  
**ASV**

Drawn by/Dessiné par  
**DMM**

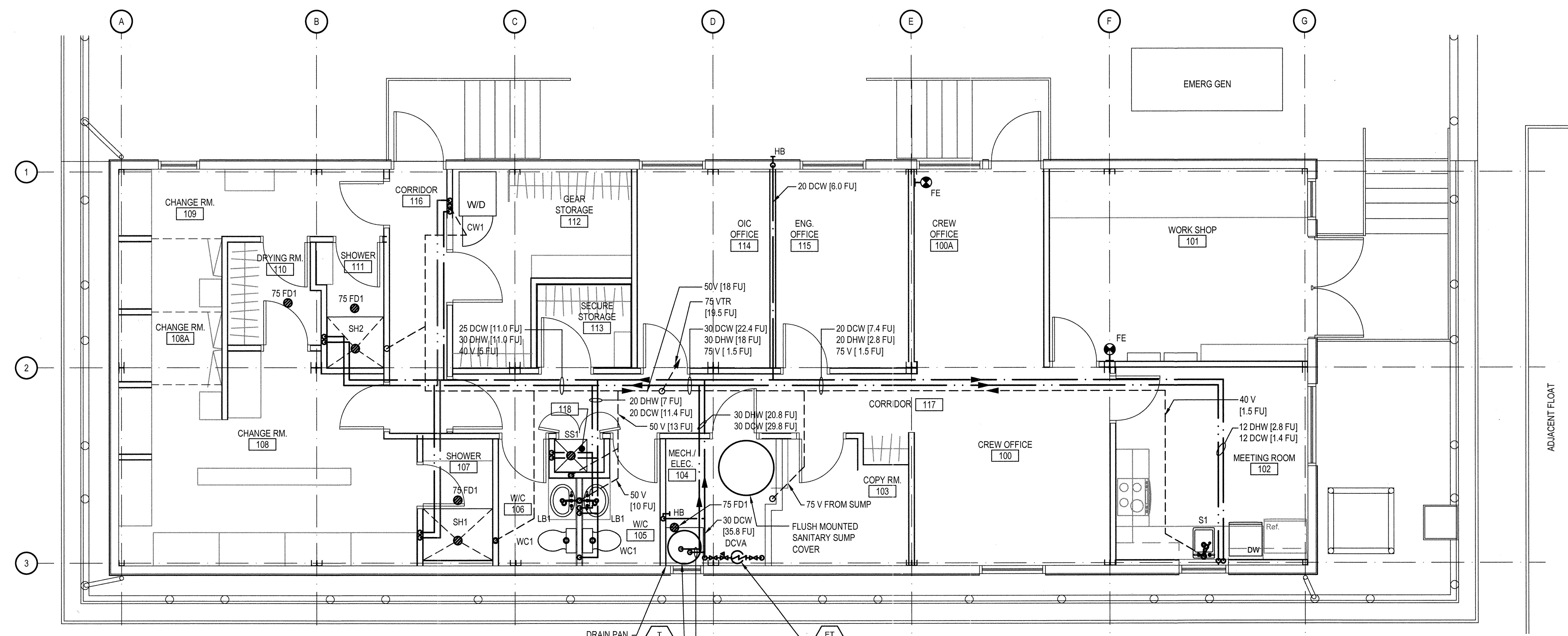
PWGS/C Project Manager/Administrateur de Projets TPSSGC

PWGS/C Regional Manager, Architectural and Engineering Services/  
 Gestionnaire régionale, Services d'architecture et de génie, TPSSGC  
**PREETIPAL PAUL**

Drawing title/Titre du dessin

**PLUMBING  
 MAIN AND CRAWLSPACE  
 FLOOR PLANS**

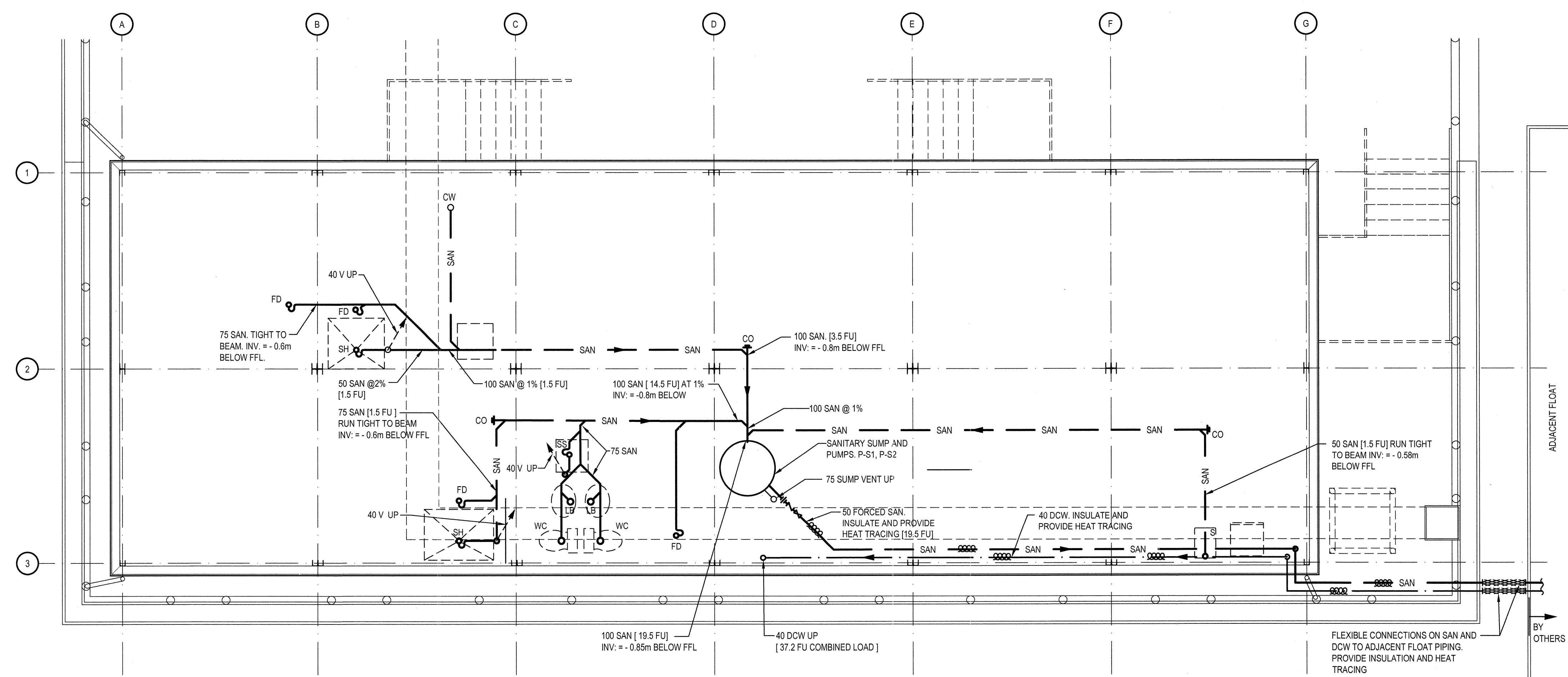
Project No./No. du projet <b>R.000000.000</b>	Sheet/ Feuille <b>M1.01</b>	Revision no./ La Révision no. <b>A</b>
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**GENERAL NOTES:**

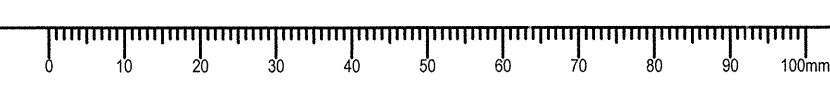
1. ALL DOMESTIC WATER AND VENT PIPES SHALL RUN IN WALLS, ABOVE CEILINGS OR WITHIN BULKHEADS. SEE ARCHITECTURAL DRAWINGS FOR CEILING AND BULKHEAD LOCATIONS.
2. INSULATE AND HEAT TRACE ALL BELOW FLOOR SANITARY TRAPS.

**2 MAIN FLOOR PLAN**  
 M1.01 SCALE: 1:50



**1 CRAWLSPACE PLAN**  
 M1.01 SCALE: 1:50

Date: 15/12/2016 2:11:03 PM File name: R:\083972\001-0-40100-CampRiv\11\1101.dwg





PROJECT # 131-19106-05



3	TENDER	2016-09-19
2	99% REVIEW	2016-08-12
1	66% REVIEW	2016-07-28
Revision/Revision	Description/Description	Date/Date

**FISHERIES AND OCEANS, REAL PROPERTY, SAFETY AND SECURITY**

VANCOUVER, BC  
200-401 BARRARD ST.

Project title/Titre du projet  
**705 ISLAND HIGHWAY CAMPBELL RIVER, B.C.**

**CAMPBELL RIVER SAR STATION**

Consultant Signature Box Only

Designed by/Concept par  
**ASV**

Drawn by/Dessiné par  
**DMM**

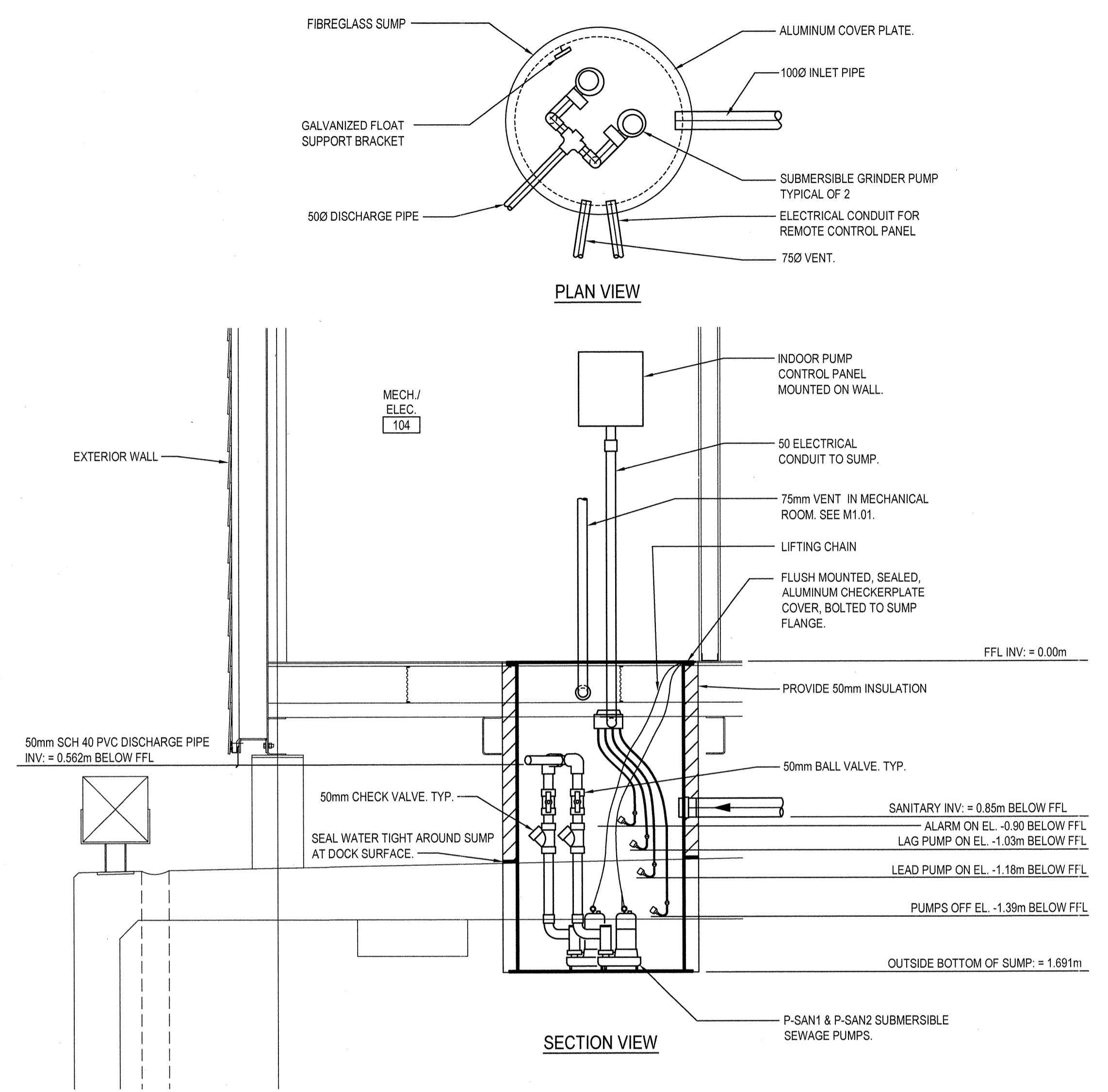
PWGSC Project Manager/Administrateur de Projets TP/SGC  
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PWGSC Regional Manager, Architectural and Engineering Services/  
Gestionnaire régionale, Services d'architecture et de génie, TP/SGC  
**PREETIPAL PAUL**

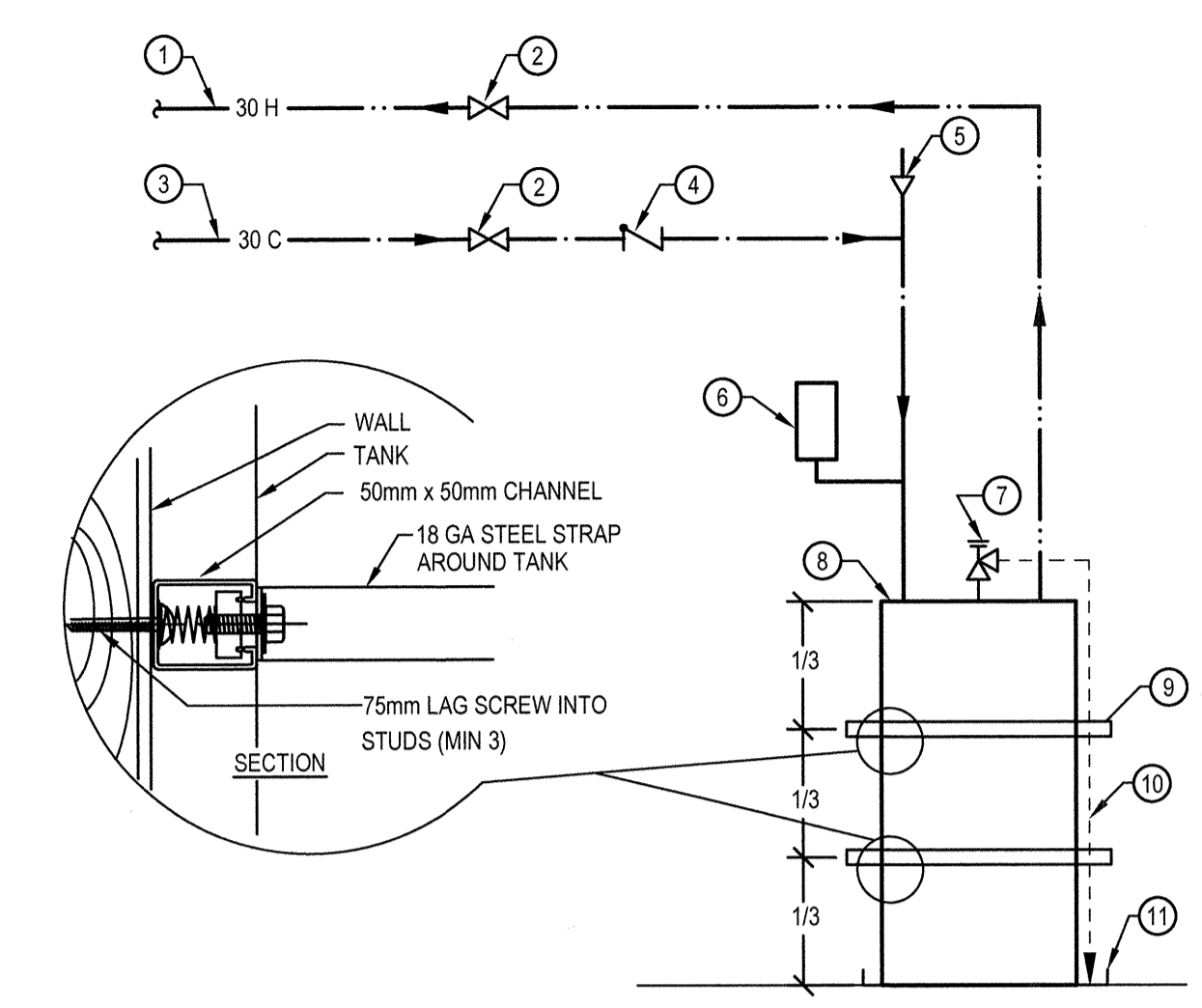
Drawing title/Titre du dessin

**PLUMBING DETAILS**

Project No./No. du projet <b>R.000000.000</b>	Sheet/ Feuille <b>M1.02</b>	Revision no./ La Révision no. <b>A</b>
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**2 SANITARY LIFT STATION**  
M1.02 SCALE: NTS

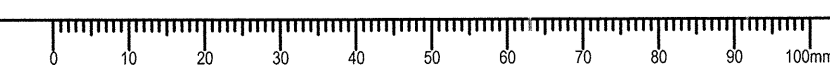


- ① 30 DOMESTIC HOT WATER SUPPLY (20.8 FU)
- ② VALVE
- ③ 30 COLD WATER SUPPLY (20.8 FU)
- ④ CHECK VALVE
- ⑤ VACUUM RELIEF VALVE
- ⑥ DIAPHRAGM TYPE PRE-PRESSURIZED EXPANSION TANK, 3 GAL. (ET-DHW).
- ⑦ TEMPERATURE & PRESSURE RELIEF VALVE.
- ⑧ 75 GAL. ELECTRIC DOMESTIC HOT WATER TANK (T-DHW)
- ⑨ PROVIDE SEISMIC RESTRAINT, ANCHORED TO WALL. TYP.2. (SEE INSET).
- ⑩ T & P RELIEF DISCHARGES DIRECTLY OVER DRAIN.
- ⑪ 25mm DRAIN PAN, PIPED TO DRAIN.

**1 75 GALLON DHW TANK**  
M1.02 SCALE: NTS

**FIXTURE ROUGH-IN SCHEDULE**  
ROUGH-IN FIXTURE PIPING CONNECTIONS IN ACCORDANCE WITH THE FOLLOWING TABLE OF MINIMUM SIZES.

FIXTURE	COLD WATER	HOT WATER	SANITARY	VENT	HYDRAULIC LOADS PUBLIC	
					C	H
FLOOR DRAIN	-	-	75	40	-	-
HOSE BIBB (20mm)	20	-	-	-	6	-
SINK (8.3 LPM OR LESS <1)	12	12	40	30	1.4	1.4
LAVATORY BASIN (8.3 LPM <1)	12	12	50	40	2	2
SERVICE SINK (8.3 LPM <1)	12	12	50	40	3	3
SHOWER (9.5 LPM <1)	12	12	50	40	4	4
WATER CLOSET (TANK 6LPM <1)	12	-	75	40	2.2	-
CLOTHES WASHER (3.5KG)	12	12	50	30	3	3
DISHWASHER (DOMESTIC)	-	12	40	30	-	1.4



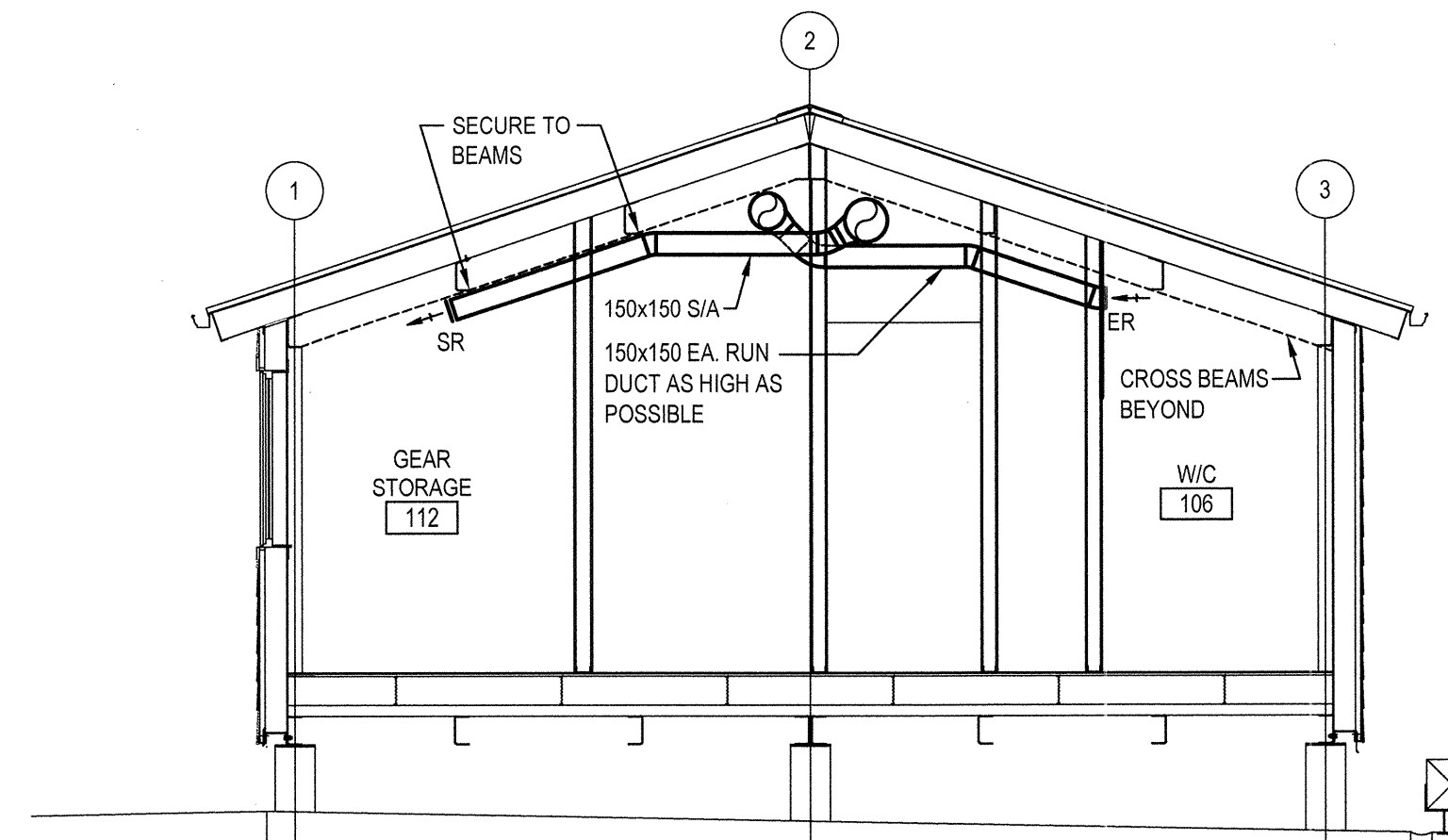




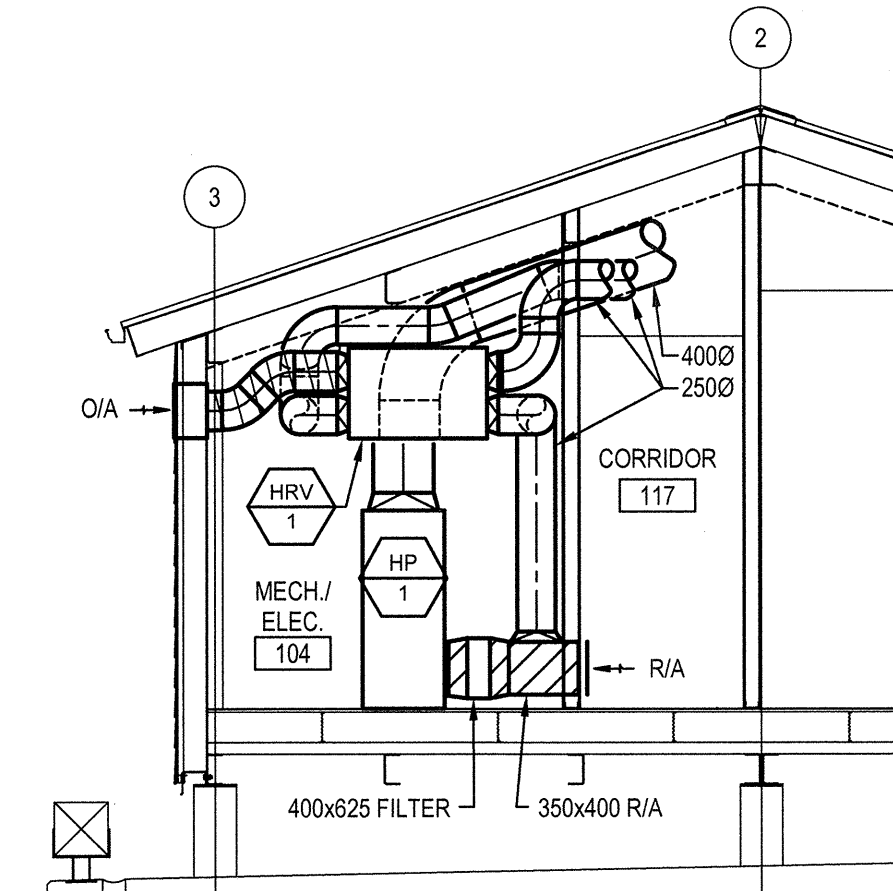
PROJECT # 131-19106-05



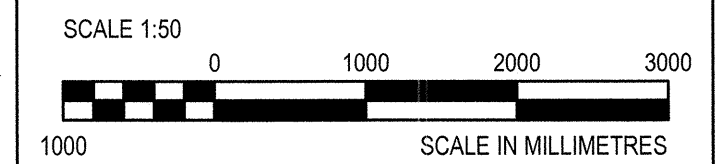
AIR TERMINAL SCHEDULE											
ROOM NO.	NAME	GRILLES AND DIFFUSERS			AIR FLOW						
		TYPE	NO.	SIZE W x H	TYPE	NO.	SIZE W x H	TYPE	NO.		
100	CREW OFFICE	SR	1	200 x 150	70	/	150	-	-	-	-
100A	CREW OFFICE	SR	1	150 x 150	35	/	75	-	-	-	-
101	WORK SHOP	-	-	-	-	-	-	TG	1	250 x 250	-
102	MEETING RM	SR	1	200 x 150	85	/	180	TG	1	250 x 250	-
103	COPY RM	TG	1	200 x 200	-	-	-	-	-	-	-
104	MECH RM	-	-	-	-	-	-	RG	1	400 x 350	-
105	W/C	TG	1	200 x 200	-	-	-	ER2	1	150 x 150	30 / 65
106	W/C	TG	1	200 x 200	-	-	-	ER2	1	150 x 150	30 / 65
107	SHOWER	TG	1	200 x 200	-	-	-	ER2	1	150 x 150	30 / 65
108	CHANGE RM	SR	2	150 x 150	50	/	105	-	-	-	-
108A	CHANGE RM	SR	1	150 x 150	25	/	50	-	-	-	-
109	CHANGE RM	SR	1	150 x 150	45	/	95	TG	1	250 x 250	-
110	DRYING RM	UNDERCUT DOOR 25mm x2		-	-	-	-	ER2	1	150 x 150	30 / 65
111	SHOWER	UNDERCUT DOOR 25mm		-	-	-	-	ER1	1	150 x 150	25 / 50
112	GEAR STORAGE	SR	1	150 x 150	30	/	65	TG	1	200 x 200	-
114	OIC OFFICE	SR	1	150 x 150	40	/	85	TG	1	200 x 200	-
115	ENG. OFFICE	SR	1	150 x 150	40	/	85	TG	1	200 x 200	-
117	CORRIDOR	TG	1	350 x 350	-	-	-	-	-	-	-
118	JANITORS RM.	UNDERCUT DOOR 25mm		-	-	-	-	ER2	1	150 x 150	25 / 50



A SECTION  
M2.01 SCALE: 1:50



B SECTION  
M2.01 SCALE: 1:50



Revision/Revision	Description/Description	Date/Date
3	TENDER	2016-09-19
2	99% REVIEW	2016-08-12
1	86% REVIEW	2016-07-28

FISHERIES AND OCEANS, REAL PROPERTY, SAFETY AND SECURITY  
VANCOUVER, BC  
200-401 BURRARD ST.

Project title/Titre du projet  
705 ISLAND HIGHWAY  
CAMPBELL RIVER, B.C.

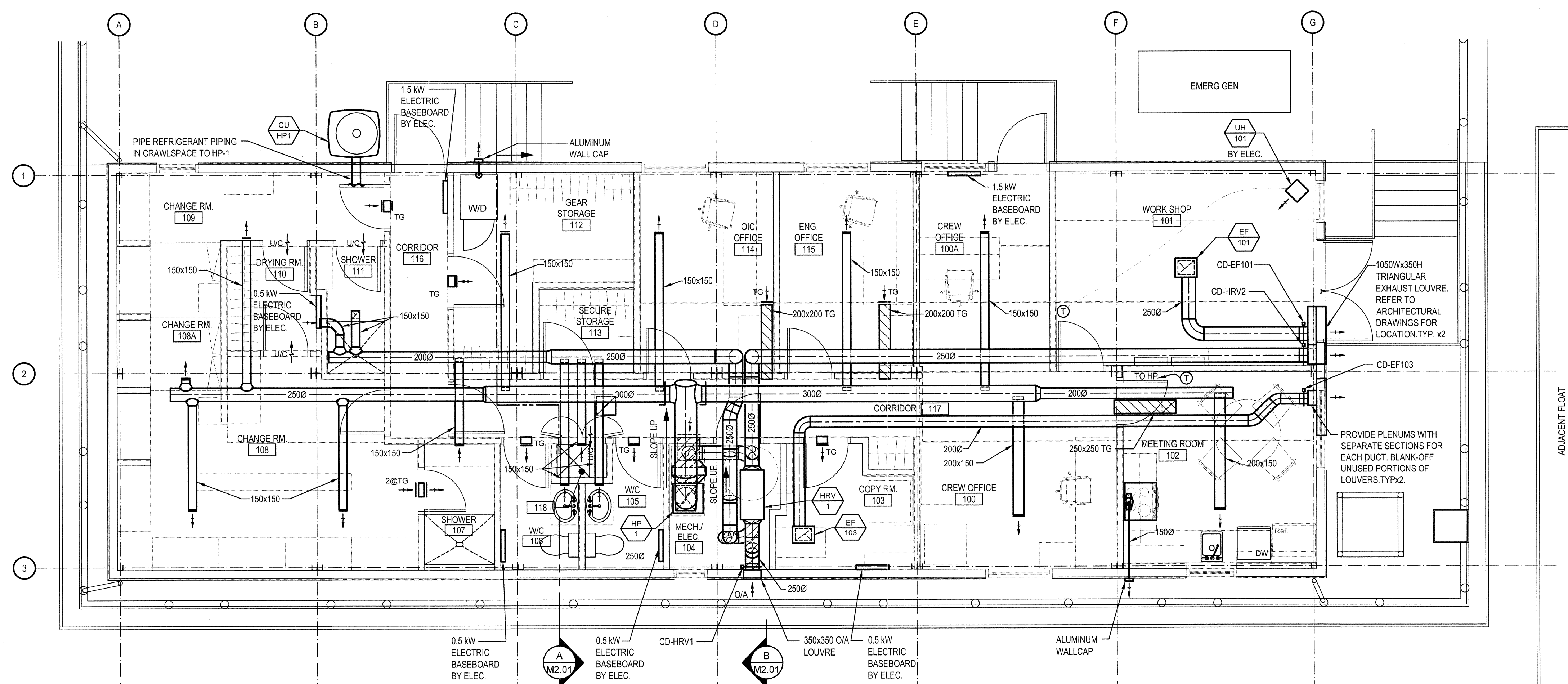
CAMPBELL RIVER SAR STATION

Consultant Signature Box Only

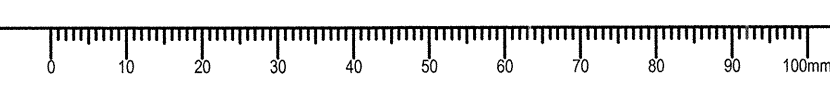
Designed by/Concept par  
ASV  
Drawn by/Dessiné par  
DMM  
PWGSC Project Manager/Administrateur de Projets TPSGC  
PWGSC Regional Manager, Architectural and Engineering Services/Gestionnaire régionale, Services d'architecture et de gén. TPSGC  
PREETIPAL PAUL

HVAC  
MAIN FLOOR PLAN

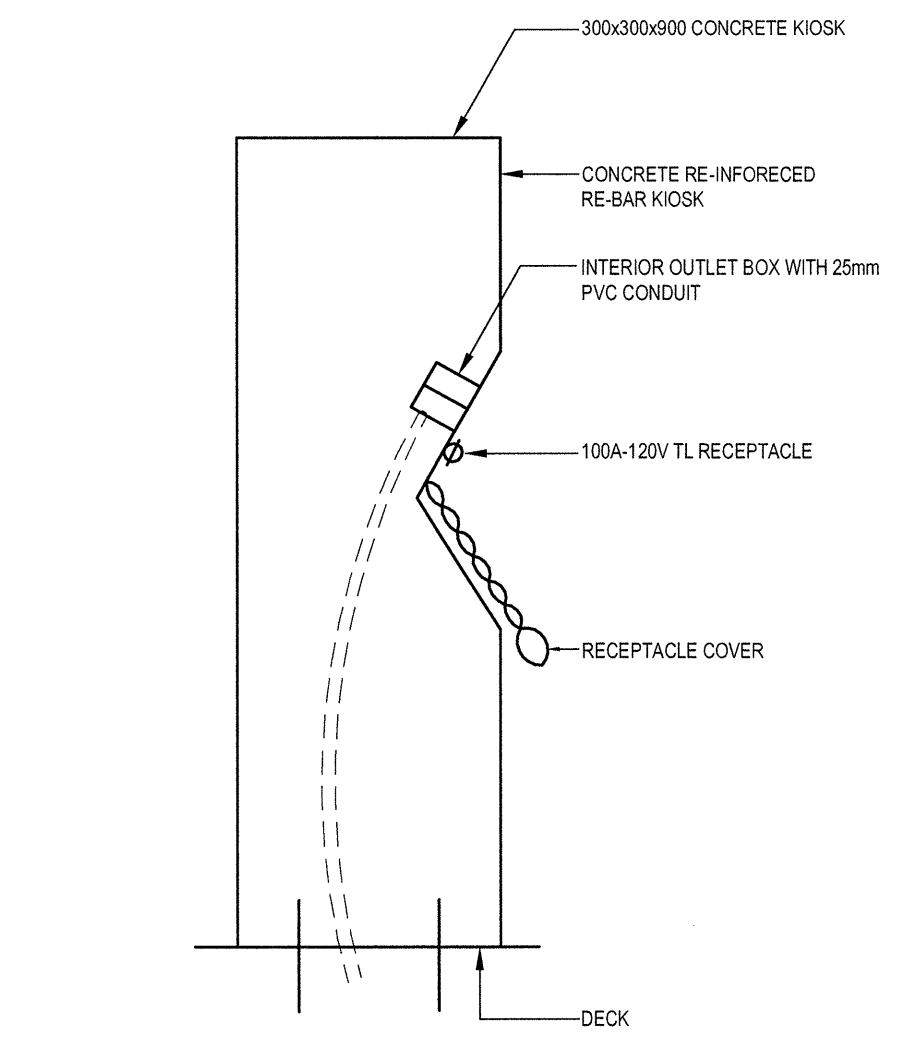
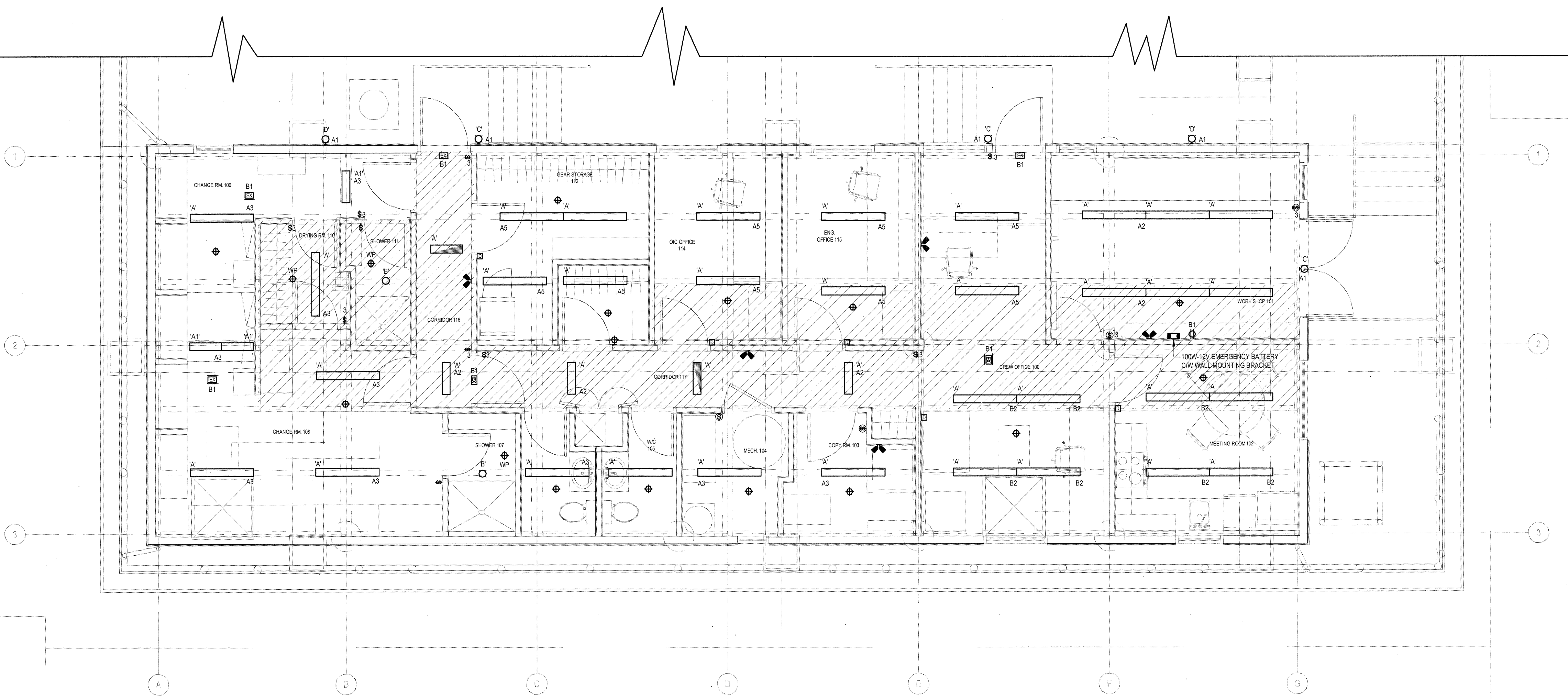
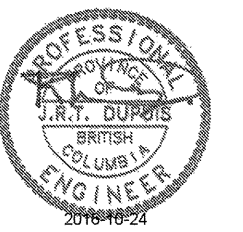
Project No./No. du projet	Sheet/ Feuille	Revision no./ La Révision no.
R.000000.000	M2.01	A



1 MAIN FLOOR PLAN  
M2.01 SCALE: 1:50







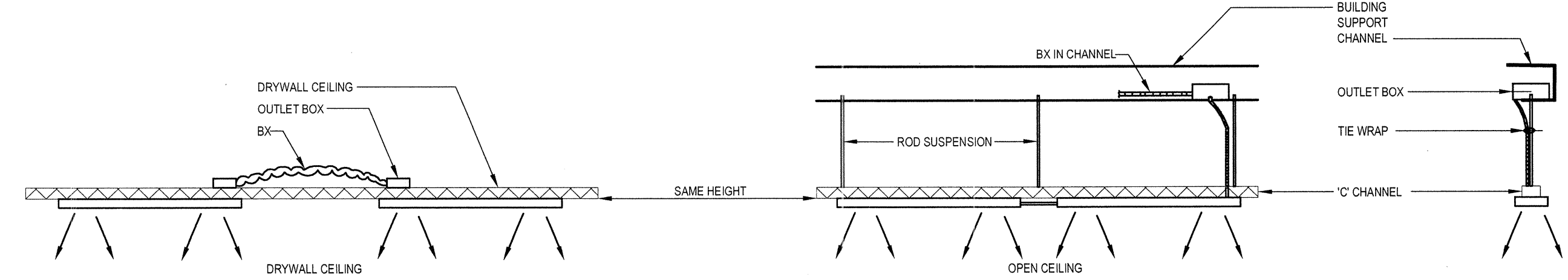
4 KIOSK DETAIL  
E1.0 NOT TO SCALE

1 REFLECTED CEILING PLAN  
E1.0 1:50

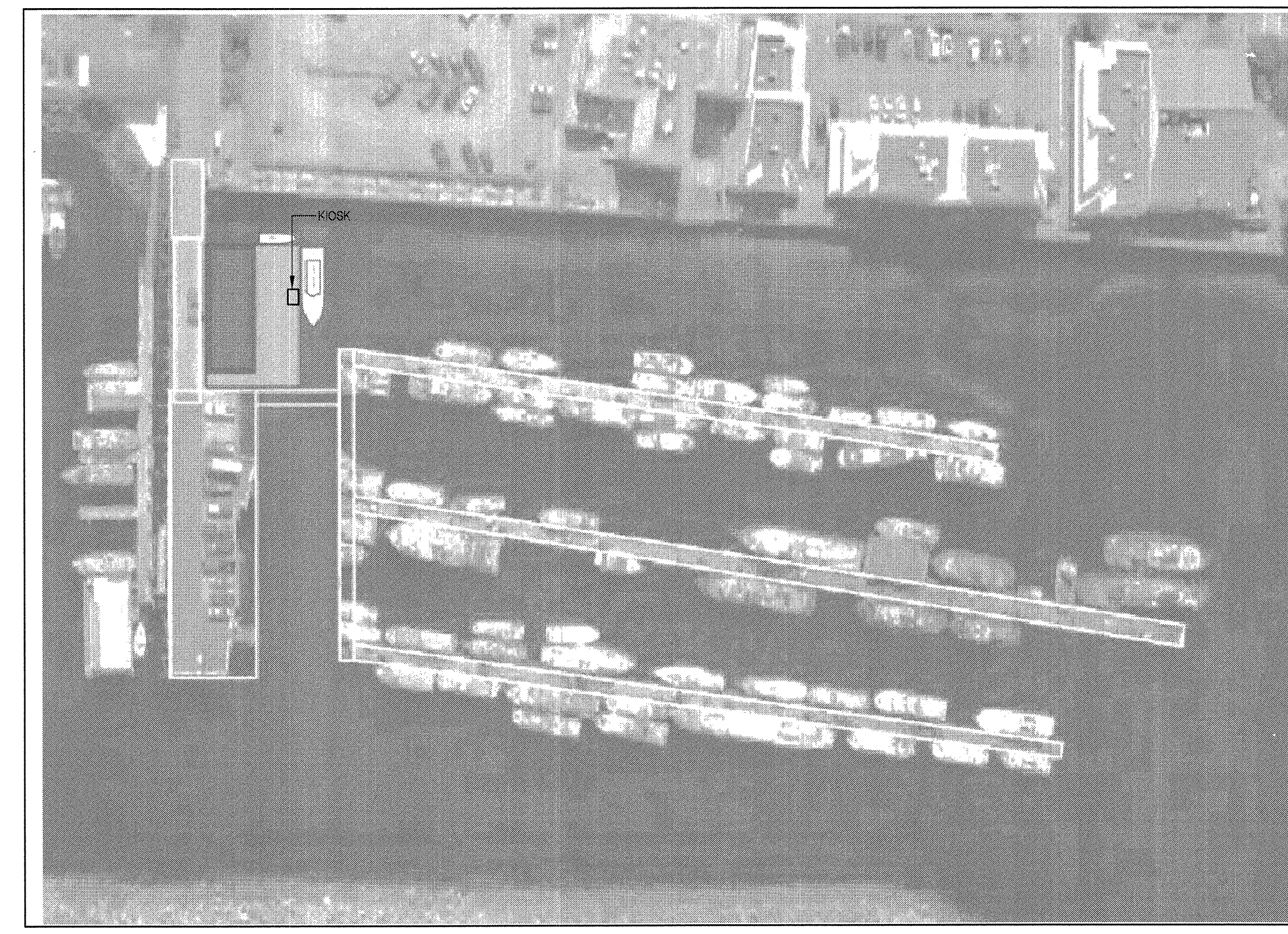
ELECTRICAL SYMBOL LEGEND	
ABBREVIATIONS	POWER
NOTE: EQUIPMENT SHOWN DOTTED IS EXISTING AND TO REMAIN UNLESS INDICATED OTHERWISE	⊕ SINGLE RECEPTACLE
<b>LIGHTING</b>	⊕ DUPLEX RECEPTACLE
□ SURFACE MOUNTED LUMINAIRE	⊕ ABOVE COUNTER 5-20R GFCI DUPLEX RECEPTACLE (T-SLOT)
— FLUORESCENT STRIP LIGHT	⊕ 5-20R DUPLEX RECEPTACLE (T-SLOT)
⊕ WALL MOUNTED LIGHT	⊕ GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE
⊕ SINGLE POLE TOGGLE SWITCH, GANGED AS SHOWN	⊕ WP WEATHER PROOF
⊕ THREE WAY TOGGLE SWITCH	⊕ MECHANICAL EQUIPMENT DIRECT CONNECTION
⊕ VACANCY SWITCH	⊕ MECHANICAL MOTOR CONNECTION
⊕ DIMMER SWITCH	⊕ DISCONNECT SWITCH
⊕ OCCUPANCY SENSOR, WALL MOUNTED	⊕ PANEL BOARD
⊕ OCCUPANCY SENSOR, CEILING MOUNTED	— CONDUIT RUN UP
⊕ EXIT SIGN PICTOGRAM STYLE - ARROWS AS INDICATED	<b>COMMUNICATIONS</b>
⊕ DUAL HEAD LED 12V LED LIGHT	⊕ COMBINATION TELEPHONE AND DATA OUTLET, WALL MOUNTED
⊕ 12V EMERGENCY BATTERY	

LUMINAIRE SCHEDULE:

- TYPE 'A' SURFACE AND SUSPENDED 1200mm LONG LED LUMINAIRE COMPLETE WITH FROSTED LENS, 4000 LUMENS, 35K, 120V, 0-10V DIMMING.
- TYPE 'A1' SAME AS TYPE 'A' EXCEPT 900mm LONG.
- TYPE 'B' SURFACE LED WITH LOW PROFILE, 35K, 1000 LUMENS, WHITE, WET LOCATION.
- TYPE 'C' MINI WALL PACK, 1000L, 4000K, 120V, PHOTO CELL AND BRONZE FINISH.
- TYPE 'D' WALL MOUNTED LED MICRO FLOOD LIGHT, 4000K, 120V, BRONZE FINISH.
- EXIT GREEN PICTORIAL RUNNING MAN WITH EMERGENCY BATTERY BACK-UP.



3 LUMINAIRE MOUNTING DETAIL  
E1.0 NOT TO SCALE



2 SITE PLAN  
E1.0 NOT TO SCALE

Revision/Revision	Description/Description	Date/Date
3	TENDER	16/09/22
2	95% SUBMISSION	16/08/21
1	60% SUBMISSION	16/07/21

FISHERIES AND OCEANS, REAL PROPERTY, SAFETY AND SECURITY  
VANCOUVER, BC  
200-401 BURRARD ST.

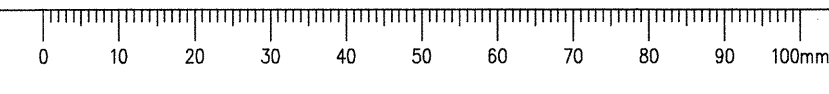
Project title/Titre du projet  
705 ISLAND HIGHWAY  
CAMPBELL RIVER, B.C.  
CAMPBELL RIVER  
SAR STATION

Consultant Signature Box Only  
Designed by/Concept par  
CT  
Drawn by/Dessine par  
RAJ  
PWGSC Project Manager/Administrateur de Projets TPSGC

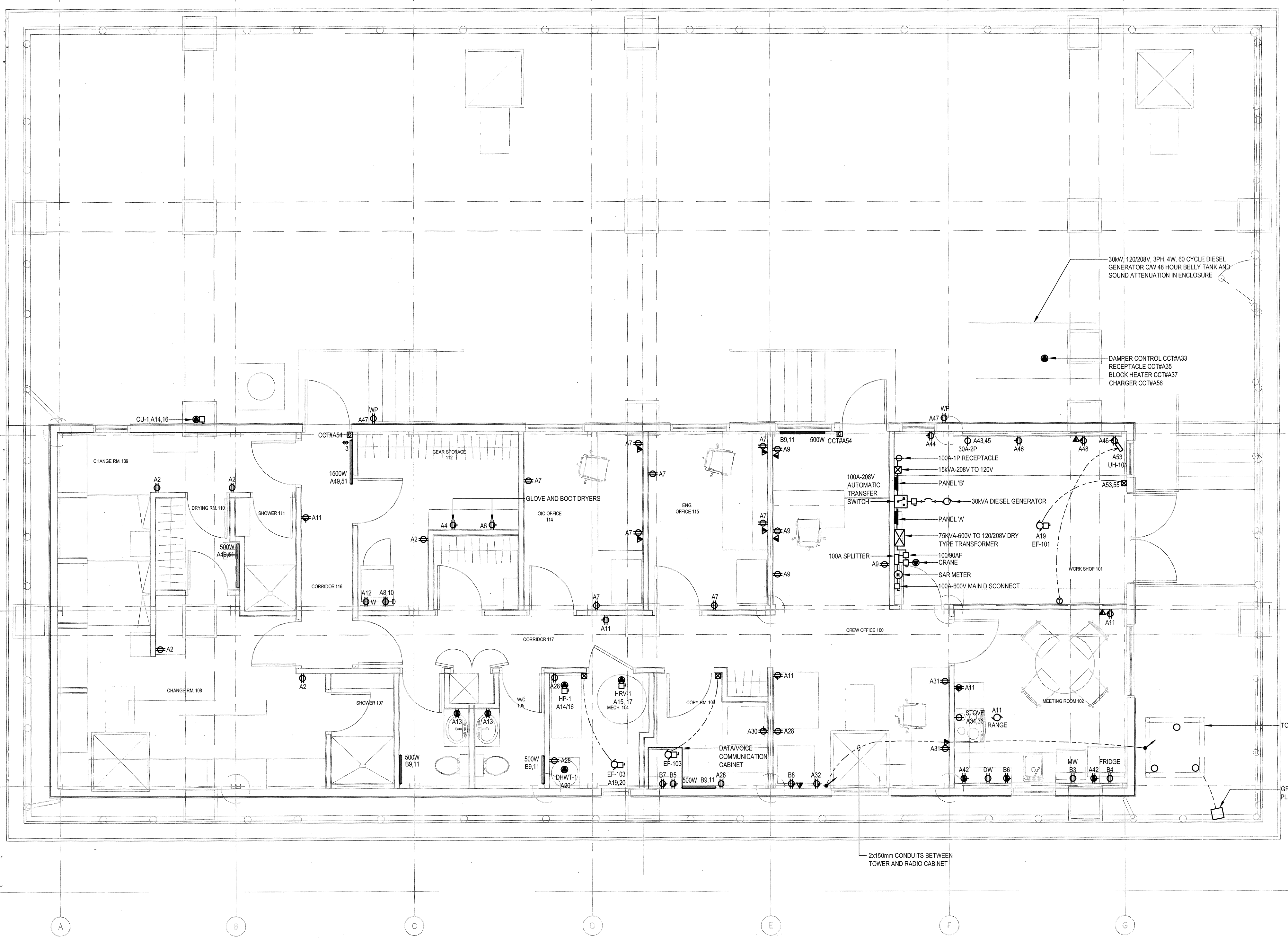
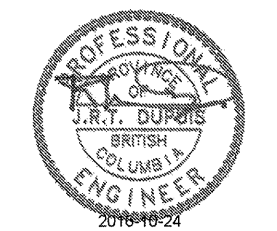
PWGSC, Regional Manager, Architectural and Engineering Services/  
Gestionnaire Régionale, Services d'architectural et de génie, TPSGC  
PRETIPAL PAUL

Drawing title/Titre du dessin  
SITE PLAN, LIGHTING, DETAILS  
AND LEGEND

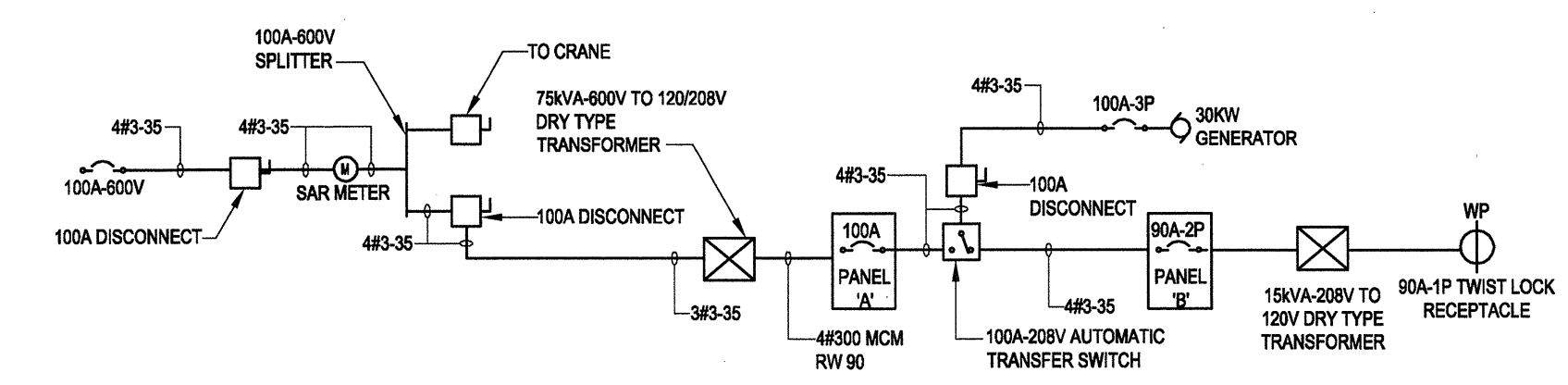
Project No./No. du projet	Sheet/Fauille	Revision no./ La Révision no.
R.000000.000	E1.0 OF 2	3



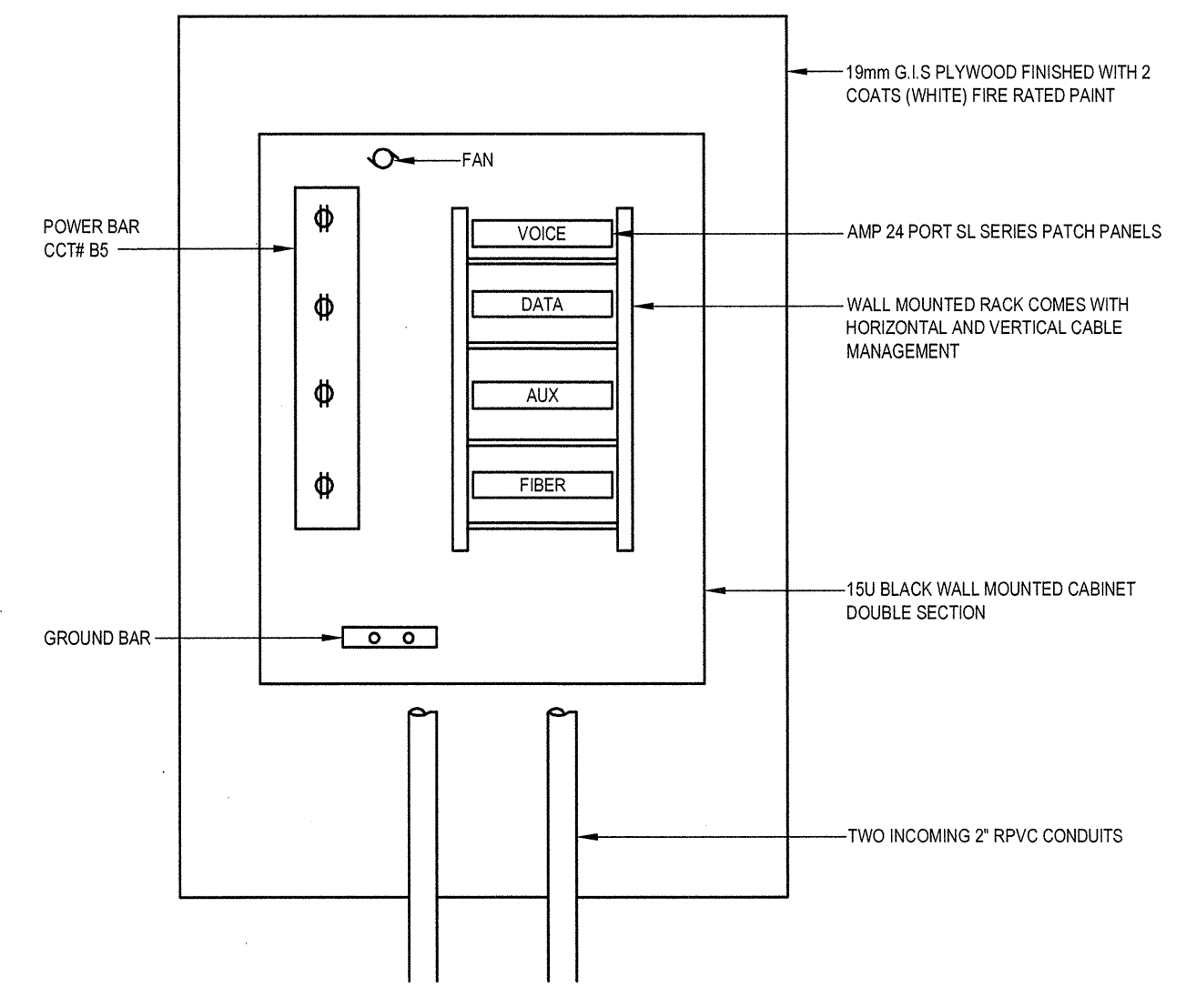




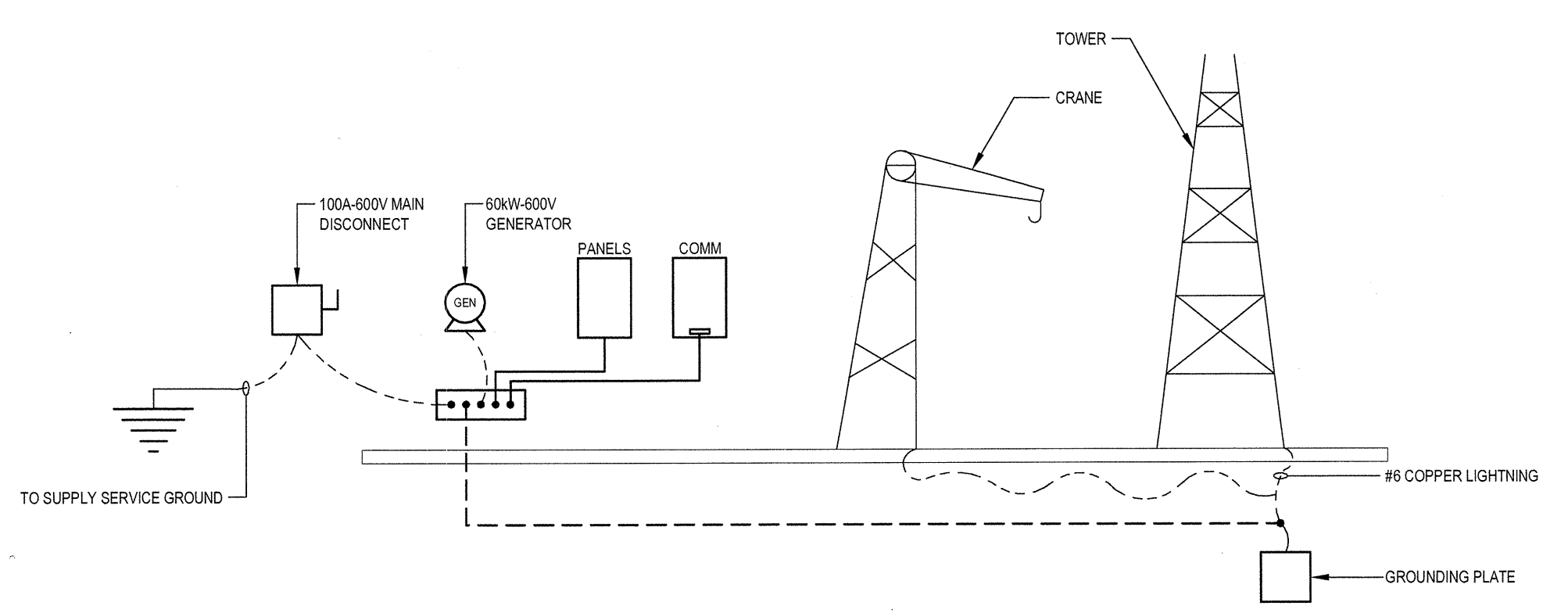
1 ELECTRICAL AND POWER LAYOUT  
E2.0 NOT TO SCALE



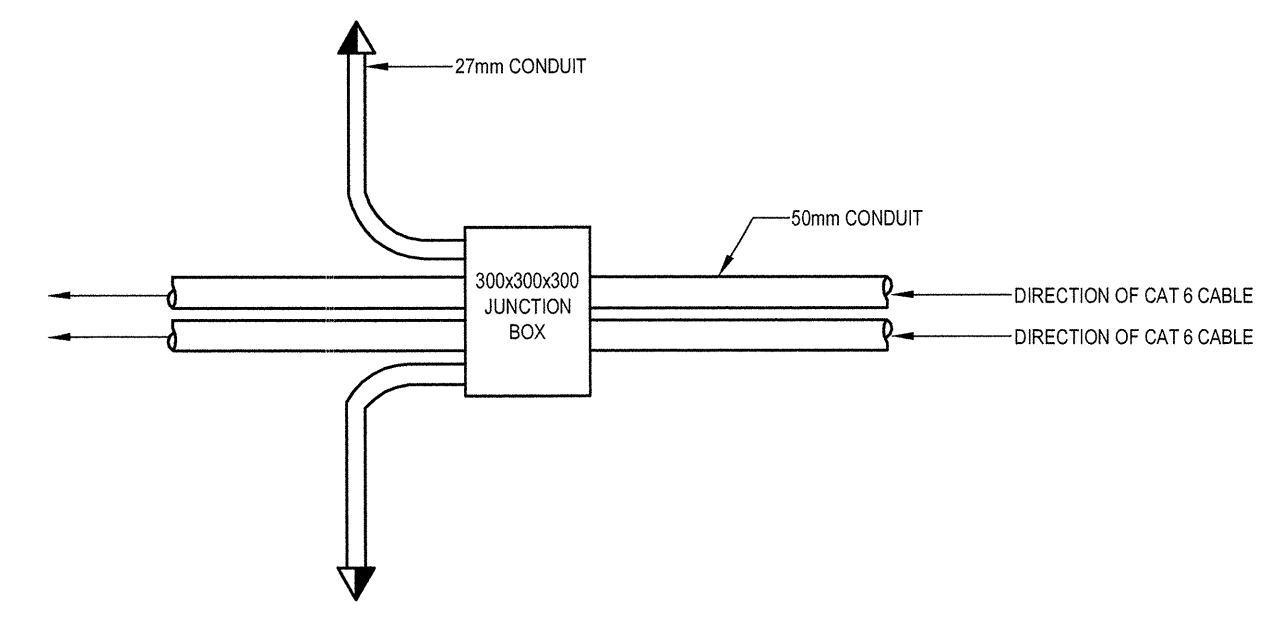
2 ELECTRICAL DISTRIBUTION RISE DIAGRAM  
347/600V TO 120/208, 3PH, 4W  
E2.0 NOT TO SCALE



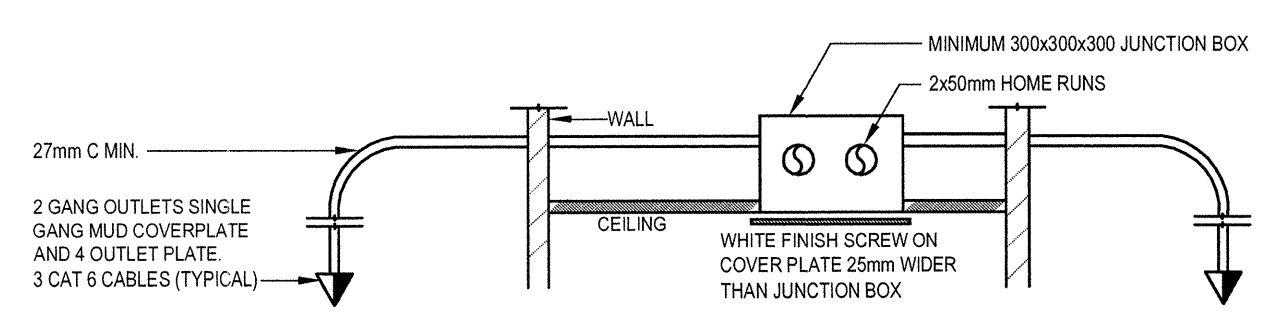
3 COMMUNICATION CABINET  
E2.0 NOT TO SCALE



4 GROUNDING LAYOUT  
E2.0 NOT TO SCALE



5 PLAN DETAIL  
E2.0 NOT TO SCALE



6 COMMUNICATION DISTRIBUTION  
E2.0 NOT TO SCALE

Revision/	Description/Description	Date/Date
3	TENDER	16/09/22
2	95% SUBMISSION	16/08/21
1	60% SUBMISSION	16/07/21

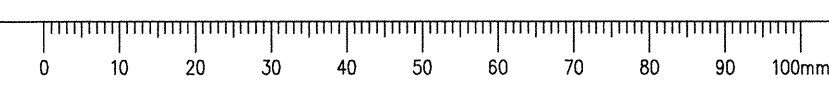
Client/client  
**FISHERIES AND OCEANS,  
REAL PROPERTY,  
SAFETY AND SECURITY**  
VANCOUVER, BC  
200-401 BURRARD ST.

Project title/Titre du projet  
**705 ISLAND HIGHWAY  
CAMPBELL RIVER, B.C.**  
**CAMPBELL RIVER  
SAR STATION**

Consultant Signature Box Only  
Designed by/Concept par  
CT  
Drawn by/Dessiné par  
RAJ  
PWGSC Project Manager/Administrateur de Projets TPSGC

Drawing title/Titre du dessin  
**ELECTRICAL AND POWER LAYOUT  
SYSTEM, DETAILS AND SCHEDULES**

Project No./No. du projet	Sheet/Fauille	Revision no./ La Révision no.
R.000000.000	E2.0	3





MECHANICAL EQUIPMENT SCHEDULE																									
Q#	DESCRIPTION	EQUIPMENT LOCATION	LOAD			VOLTS	UNIT			STARTER			DISC			CONTROL			SUPPLY PANEL			WIRE & CONDUIT			NOTE
			MCA	KW	HP		PHASE	SUPPLY	UNIT	CONNECT	SUPPLY	UNIT	CONNECT	SUPPLY	UNIT	CONNECT	TYPE	FIRE ALARM PANEL#	PANEL LOCATION	AMPS	P	CCT NOS	WIRE SIZE	NO	
HP-1	2.5 TON SPLIT HEAT PUMP	104	-	-	-	208	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	1
CU-1	2.5 TON SPLIT COOLING UNIT	OUTSIDE	-	-	-	208	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	1	
HRV-1	HEAT RECOVERY VENTILATION	104	-	0.5	-	208	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	-	
EF-101	WORKSHOP EXHAUST FAN	101	-	-	FHP	120	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	-	
EF-103	COPY ROOM EXHAUST FAN	103	-	-	FHP	120	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	-	
DHW	DOM HOT WATER TANK	104	-	4.5	-	208	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	-	
P-51	DUAL PUMPS	104	-	-	1/2	120	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	2	
P-52	SEWAGE		-	-	1/2	120	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	2	
UH-101	WORKSHOP HEATING	101	-	2.5	-	208	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	3	
	RANGE HOOD	102	-	-	FHP	120	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	-	

**LEGEND**  
M = DENOTES BY MECHANICAL CONTRACTOR  
E = DENOTES BY ELECTRICAL CONTRACTOR  
T = THERMOSTAT  
SW = H.P. RATED SWITCH  
MCA = MAGNETIC STARTER WITH HAND-OFF-AUTO SELECTOR  
MAN = MANUAL STARTER

**NOTES**  
1. HP-1 AND CU-1 TO BE INTERCONNECTED  
2. SINGLE SOURCE TO COMMON CONTROL PANEL  
3. PROVIDE LOW VOLTAGE THERMOSTAT

PANELBOARD SCHEDULE														
JOB NO./NAME	1-16-103 / CAMPBELL RIVER													
PANEL	B													
SYSTEM	120/208V, 3ph, 4W													
TYPE	LOAD CENTRE													
LOCATION	WORKSHOP													
MOUNTING	SURFACE													
NO. CIRCUITS	15													
BUS SIZE	200A													
SYM. FAULT RATING	10,000A													
DESCRIPTION	BRK	POLE	CCT	CCT	POLE	BRK	DESCRIPTION	BRK	POLE	CCT	CCT	POLE	BRK	DESCRIPTION
247 EMERGENCY	15	1	01	02	1	15	LIGHTS							
MICROWAVE	15	1	03	04	1	15	FRIDGE							
COMMUNICATION	20	1	05	06	1	20	RECEPTACLE							
COMMUNICATION	20	1	07	08	1	15	RADIO							
HEATER	15	2	09	10	2	90	15KVA TRANSFORMER							
			11	12										
			13	14										
			15	16										

**CAMPBELL RIVER - DEMAND LOAD**

OFFICE - 50Wsq. m  
157 sq. m x 50W = 7850W  
STOVE = 8000W  
FRIDGE = 250W  
DRYER = 500W  
MICROWAVE = 300W  
HEAT WATER TANK = 1000W  
ELECTRIC HEAT = 750W  
ELECTRIC HEAT = 2500W

OWNER = 5000W  
MECHANICAL = 5000W  
BOAT POWER = 15000W  
50,000W ÷ 208V x 1.73 = 138A

**ELECTRIC HEAT**

2.5kW, 1.5kW, 0.5kW, 1.5kW, 0.5kW, 0.5kW = TOTAL = 7.5kW @ 100%

PANELBOARD SCHEDULE														
JOB NO./NAME	1-16-103 CAMPBELL RIVER													
PANEL	A													
SYSTEM	120/208V, 3ph, 4W													
TYPE	LOAD CENTRE													
LOCATION	WORKSHOP													
MOUNTING	SURFACE													
NO. CIRCUITS	60													
BUS SIZE	400A													
SYM. FAULT RATING	10,000A													
DESCRIPTION	BRK	POLE	CCT	CCT	POLE	BRK	DESCRIPTION	BRK	POLE	CCT	CCT	POLE	BRK	DESCRIPTION
LIGHTS	15	1	01	02	1	15	RECEPTACLE							
LIGHTS	15	1	03	04	1	20	GLOVE							
LIGHTS	15	1	05	06	1	20	BOOTS							
RECEPTACLE	15	1	07	08	2	30	DRYER							
RECEPTACLE	15	1	09	10										
RECEPTACLE	20	1	11	12	1	15	WASHER							
RECEPTACLE	15	1	13	14	3	30	HP-1, CU-1							
HRV-1	20	2	15	16										
			17	18										
EF 101, 103	15	1	19	20	3	20	DHW-1							
DUAL PUMP	30	1	21	22										
RECEPTACLE	15	1	23	24										
PANEL 'B'	200	3	25	26	1	15	RANGE HOOD							
			27	28	1	15	RECEPTACLE							
			29	30	1	20	COPIER							
RECEPTACLE	15	1	31	32	1	20	RECEPTACLE							
DAMPER CONTROL	15	1	33	34	2	50	STOVE							
RECEPTACLE	15	1	35	36										
BLOCK HEATER	15	1	37	38	1	20	RECEPTACLE							
FRIDGE	15	1	39	40	1	20	RECEPTACLE							
	15	1	41	42	1	20	RECEPTACLE							
RECEPTACLE	30	2	43	44	1	20	RECEPTACLE							
			45	46	1	20	RECEPTACLE							
RECEPTACLE	15	1	47	48	1	20	RECEPTACLE							
BASEBOARD	20	2	49	50	2	15	HEATER							
			51	52										
UNIT HEATER 101	20	-	53	54	1	15	ACCESS CONTROL							
			55	56	1	15	CHARGER							
			57	58										
			59	60										

\* GFCI Breaker  
\*\* Arc Fault Breaker  
PANEL CW --A - P MAIN BREAKER

Revision/Revision	Description/Description	Date/Date
3	TENDER	16/09/22
2	95% SUBMISSION	16/08/21
1	60% SUBMISSION	16/07/21

**FISHERIES AND OCEANS,  
REAL PROPERTY,  
SAFETY AND SECURITY**

VANCOUVER, BC  
200-401 BURRARD ST.

Project title/Titre du projet  
**705 ISLAND HIGHWAY  
CAMPBELL RIVER, B.C.**

**CAMPBELL RIVER  
SAR STATION**

Consultant Signature Box Only

Designed by/Concept par  
**CT**

Drawn by/Dessine par  
**RAJ**

PWGSC Project Manager/Administrateur de Projets TPSGC

PWGSC, Regional Manager, Architectural and Engineering Services/  
Gestionnaire régionale, Services d'architecture et de génie, TPSGC  
**PREETIPAL PAUL**

Drawing title/Titre du dessin  
**SCHEDULES, PANELS AND  
LOAD CALCULATION**

