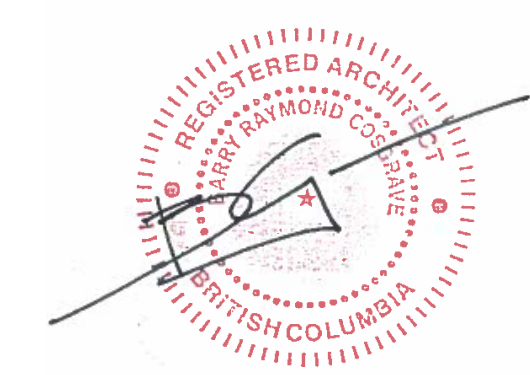
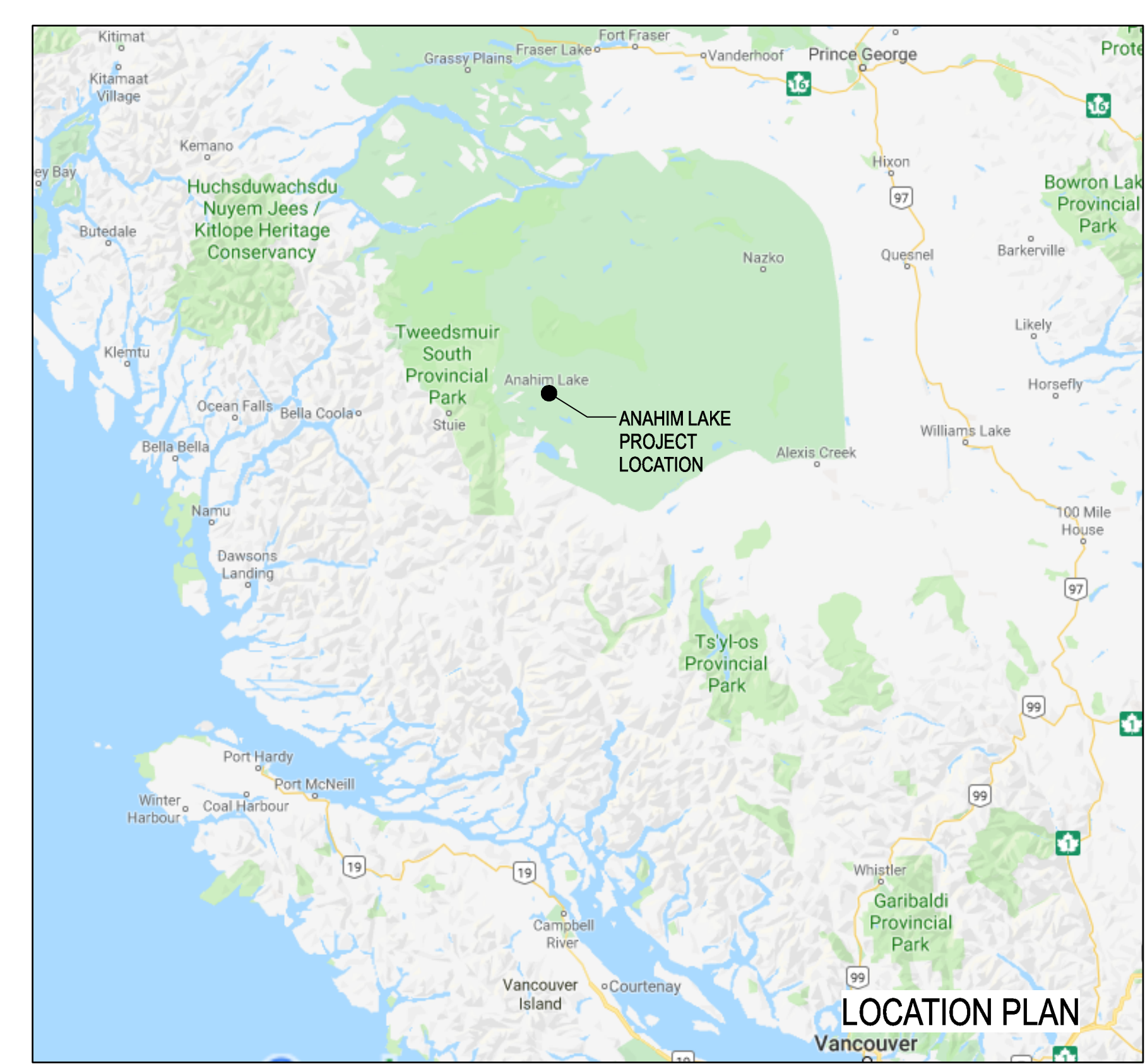


RCMP ANAHIM LAKE HOUSING RENOVATIONS

6661 CHRISTENSEN ROAD, ANAHIM LAKE, B.C.



0	ISSUED FOR TENDER	2019 12 09
B	95% REVIEW SUBMISSION	2019 10 25
A	50% REVIEW SUBMISSION	2019 09 13
Revision/	Description/Description	Date/Date

BUILDING CODE DATA		
BUILDING CODE DATA – PART 3 & PART 9		
Project: RCMP Anahim Lake – Housing Renovations Location: 6661 Christensen Road, Anahim Lake, BC		
Item	2015 National Building Code of Canada (NBC) Part 3 & Part 9	NBC Code Reference
1	Project Description: This project consists of two components: 1. Demolition and removal of two abandoned residences (structures 6652, & 6665) including structures, basements, footings, utilities, and all other associated items. 2. Renovation of the ex-detachment structure into a single family residence.	
2	Major Occupancy: C Residential	9.10.2
3	Building Area : 200 m ²	1.4.1.2
4	Number of Storeys: 1	1.4.1.2(A)
5	Number of Streets: 1	3.2.2.10
6	Building Classification: Group C, up to 3 storeys	3.2.2.53
7	Sprinkler System: No	9.10.18.2 (3)
9	Smoke Alarm Required: Yes	9.10.19.1
10	Occupant load : Residence: 2 persons per bedroom = 6 persons	9.9.1.3(2)
11	Spatial separation: Limiting distances are not a factor as the proposed residence is distant from property lines and adjacent buildings	9.10.15
12	Fire resistance ratings for structure and assemblies: Not Required	9.10.8, 9.10.9

ABBREVIATIONS		
ACM	ASBESTOS CONTAINING MATERIAL	MPD. MODIFIED PROCTOR DENSITY
ACT	ACOUSTIC CEILING TILE	MTD. MOUNTED
ALT.	ALTERNATE	(N) NEW (PROPOSED)
ALUM.	ALUMINUM	N.I.C. NOT IN CONTRACT
ANOD.	ANODIZED	N.T.S. NOT TO SCALE
A.F.F.	ABOVE FINISH FLOOR	O.C. ON CENTER
CARP.	CARPET	O.O. OVERFLOW DRAIN
CARP. T.	CARPET TILE	OH OVERHANG
CL.	CENTER LINE	P.I.P. POURED IN PLACE
C.C.	CENTER TO CENTER	PT. PAINT
C.O.	CLEAN OUT	P.T. PRESSURE TREATED
C.J.	CONTROL JOINT	P.V. PLUMBING VENT
CT.	CARPET TILE	RB RUBBER BASE
CW	COMPLETE WITH CONCRETE	RD ROOF DRAIN
CONC.	DEMOLITION	RCP REFLECTED CEILING PLAN
(D)	DEPARTMENTAL REPRESENTATIVE	REQ. REQUIRED
D.R.	EXISTING	RM. ROOM
(E)	EXPANSION JOINT	RWL. RAINWATER LEADER
ELECT.	ELECTRICAL	SAN. SANITARY
ELEV.	ELEVATION OR ELEVATOR	SG. SHEET GOODS FLOORING
F.D.C.	FIRE DEPARTMENT CONNECTION	SIM. SIMILAR
F.E.	FIRE EXTINGUISHER	S.O.G. SLAB ON GRADE
F.E.C.	FIRE EXTINGUISHER CABINET	SQ. SQUARE
FIN.	FINISH	S.S. STAINLESS STEEL
FN.DT.	FOUNDATION	ST. STEEL
FR.	FIRE RESISTANCE RATING	STRUCT. STRUCTURAL OR STRUCTURE
FTG.	FOOTING	SV. SHEET VINYL
GW.B.	GYPSON WALL BOARD	TBD. TO BE DETERMINED
GA.	GAUGE	T.O. TOP OF
G.I.	GALVANIZED	TYP. TYPICAL
H.D.	HIGH DENSITY	U.G. UNDER GROUND
H.M.	HOLLOW METAL	U.N.O. UNLESS NOTED OTHERWISE
HT.	HEIGHT	U.S. UNDERSIDE
HDWR.	HARDWARE	VAR / VAR. VARIABLE OR VARIES
HORIZ.	HORIZONTAL	VB. VAPOUR BARRIER
INSUL.	INSULATION	VERT. VERTICAL
MATL.	MATERIAL	VCT. VINYL COMPOSITE TILE
MECH.	MECHANICAL OR MECHANICALLY	W. WITH
MFG.	MANUFACTURER	WD. WOOD
		W/O. WITH OUT
		W.COV. WALL COVERING

LEGEND	
	DETAIL NUMBER SHEET NUMBER
	ASSEMBLY TYPE R-ROOF, F-FLOOR W-WALL, P-PARTITION
	GRID MARKER
	BUILDING SECTION
	WALL SECTION
	DETAIL
	ELEVATION
	INTERIOR ELEVATION
	ROOM NAME AND NUMBER
	RCP ELEVATION MARKER (MATERIAL HEIGHT AFF.)
	REFERENCE INFORMATION BUBBLE

DRAWING LIST	
ARCHITECTURAL	AS BUILT DRAWING LIST
A0.00 COVER SHEET	A-1 TITLE SHEET
A1.01 EXISTING & DEMOLITION SITE PLAN	A-2 SITE PLAN
A1.02 ARCHITECTURAL SITE PLAN	A-3 FLOOR PLAN
A2.01 DEMOLITION PLAN AND ELEVATIONS	A-4 REFLECTED CEILING PLAN
A2.02 PLANS	A-5 BUILDING ELEVATIONS
A3.01 ELEVATIONS	A-6 BUILDING SECTIONS
A4.01 BUILDING AND WALL SECTIONS	A-7 MISCELLANEOUS DETAILS
A5.01 WALL SECTIONS	A-8 WALL SECTIONS & WINDOW DETAILS
A6.01 DETAILS	A-9 INTERIOR DETAILS
A6.02 DETAILS	A-10 INTERIOR DETAILS
A7.01 INTERIOR ELEVATIONS	A-11 CELL DETAILS
A8.01 SCHEDULES	A-12 CELL DETAILS
STRUCTURAL	S1 FOUNDATION GROUND FLOOR AND CEILING PLANS AND DETAILS
S2.00 GENERAL NOTES AND TYPICAL DETAILS	S2 ROOF FRAMING PLAN AND DETAILS
S2.01 EXISTING/DEMOLISHED & NEW FLOOR PLANS	M-1 MECHANICAL CRAWL SPACE PLAN
S2.02 ELEVATIONS, SECTIONS & DETAILS	M-2 MECHANICAL FLOOR PLAN
MECHANICAL	E1 LEGEND & SCHEDULES
M0.01 LEGEND DRAWING LIST & SCHEDULES	E2 FLOOR PLAN ELECTRICAL LAYOUT
M1.00 PLUMBING AND MECHANICAL DEMOLITION	
M2.00 PLUMBING NEW	
M3.00 HVAC NEW	
ELECTRICAL	
E-001 ELECTRICAL SITE PLAN, LEGEND AND GENERAL NOTES	
E-002 ELECTRICAL SINGLE LINE DIAGRAM - EXISTING AND NEW	
E-003 ELECTRICAL SITE PLAN DEMOLITION AND NEW	
E-100 ELECTRICAL SITE PLAN DEMOLITION AND NEW	
E-200 ELECTRICAL POWER & SYSTEMS LIGHTING PLANS - NEW	
E-300 ELECTRICAL SCHEDULES	
E-301 ELECTRICAL DETAILS	
CIVIL	
C-001 GENERAL NOTES, EXISTING CONDITIONS AND DEMOLITION PLAN	
C-002 PROPOSED SITE SERVICING PLAN	
C-003 DETAILS	
LANDSCAPE	
L1 LANDSCAPE PLAN	
SURVEY - BY PWGSC	
SU SURVEY BY PWGSC	

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RCMP
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Surrey, B.C.

Project title/Titre du projet

RCMP ANAHIM LAKE HOUSING RENOVATIONS

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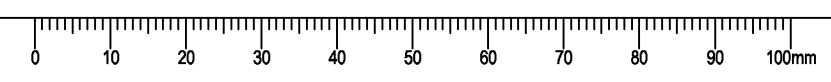
Designed by/Concept par
LS

Drawn by/Dessiné par
CM

PWGSC Project Manager/Administrateur de Projets TPSGC
Philip Fung
 PWGSC Regional Manager, Architectural and Engineering Services /
 Gestionnaire régional, Services d'architecture et de génie, TPSGC
Preetpal Paul

Drawing title/Titre du dessin
COVER SHEET

Project No./No. du projet	Sheet/ Feuille	Revision no./ La Révision no.
R.103948.001	A0.00	0





17



11



16



10



15



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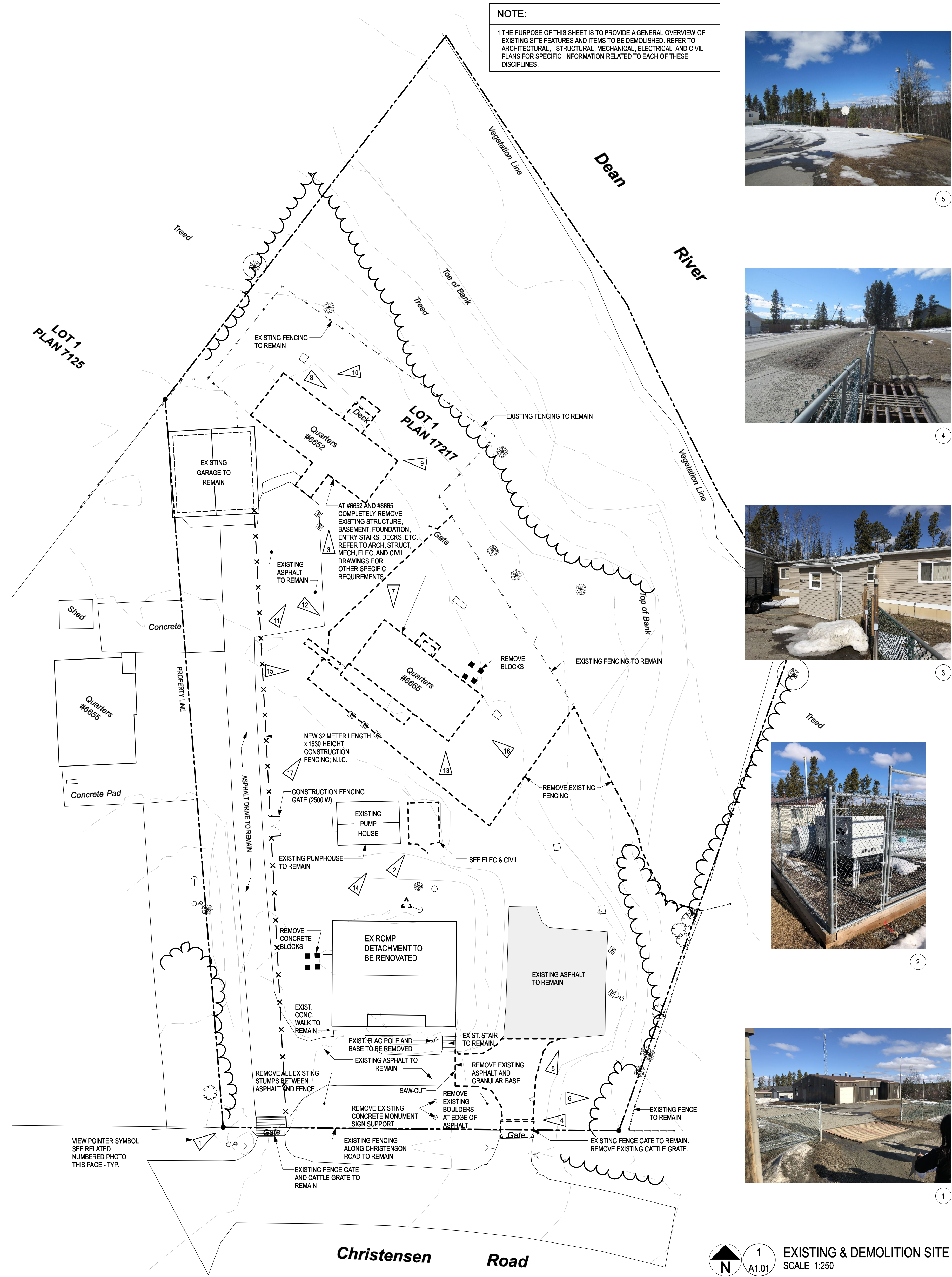


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6

NOTE:
1. THE PURPOSE OF THIS SHEET IS TO PROVIDE A GENERAL OVERVIEW OF EXISTING SITE FEATURES AND ITEMS TO BE DEMOLISHED. REFER TO ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, AND CIVIL PLANS FOR SPECIFIC INFORMATION RELATED TO EACH OF THESE DISCIPLINES.



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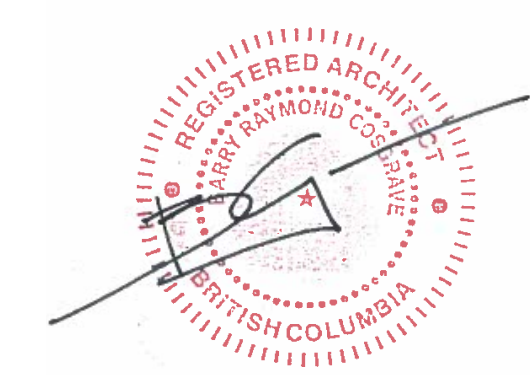
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2



1



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PWGSC Project Manager/Administrateur de Projets TPSGC
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PWGSC Regional Manager, Architectural and Engineering Services /
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Preetpal Paul

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EXISTING & DEMOLITION SITE PLAN

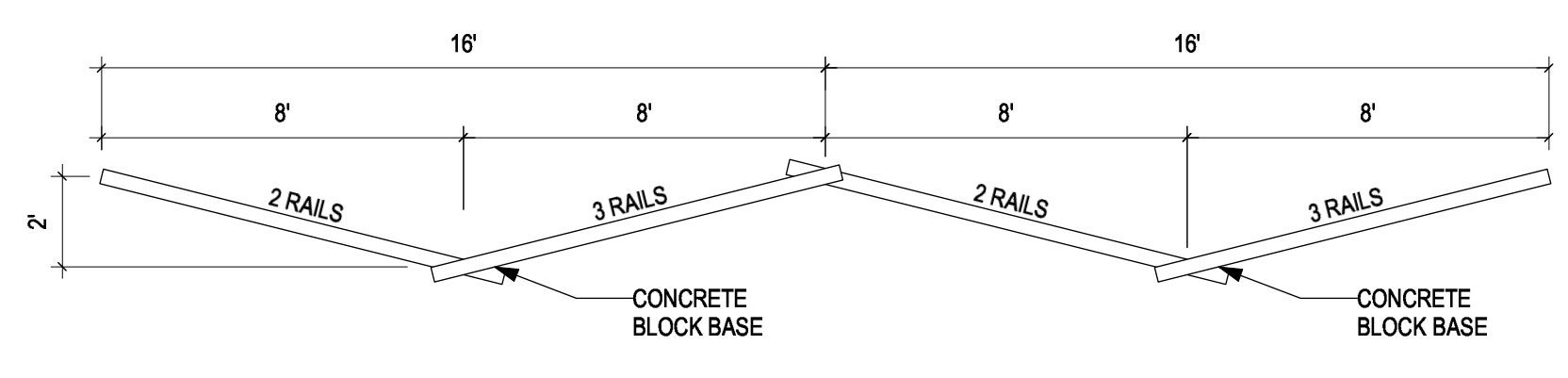
Project No./No. du projet R.103948.001	Sheet/ Feuille A1.01	Revision no./ La Révision no. 0
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PROJECT NORTH
EXISTING & DEMOLITION SITE PLAN
SCALE 1:250

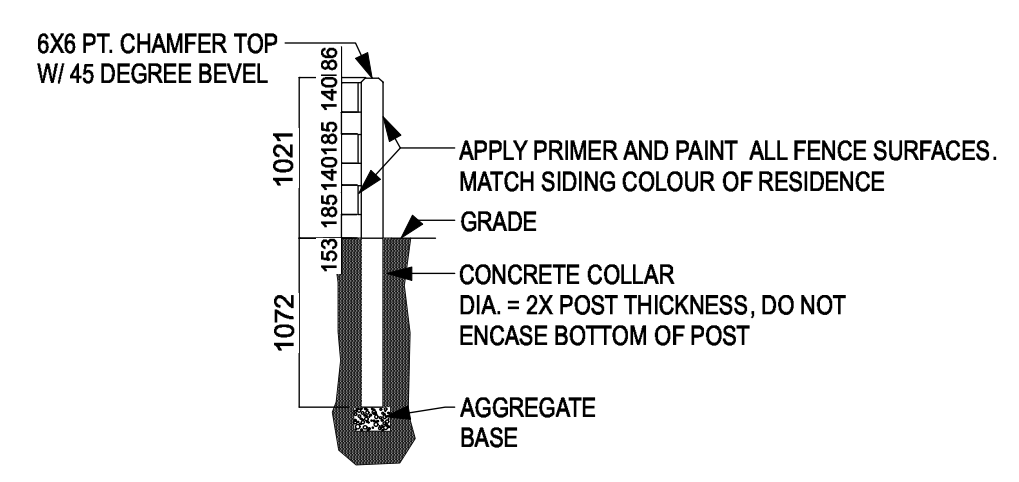
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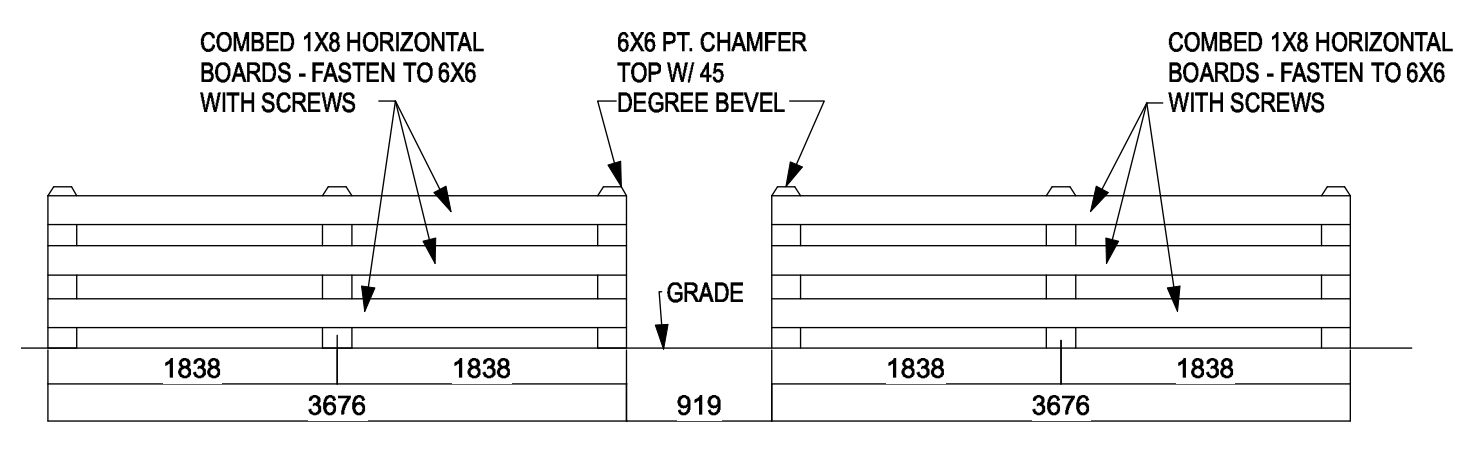
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A1.02



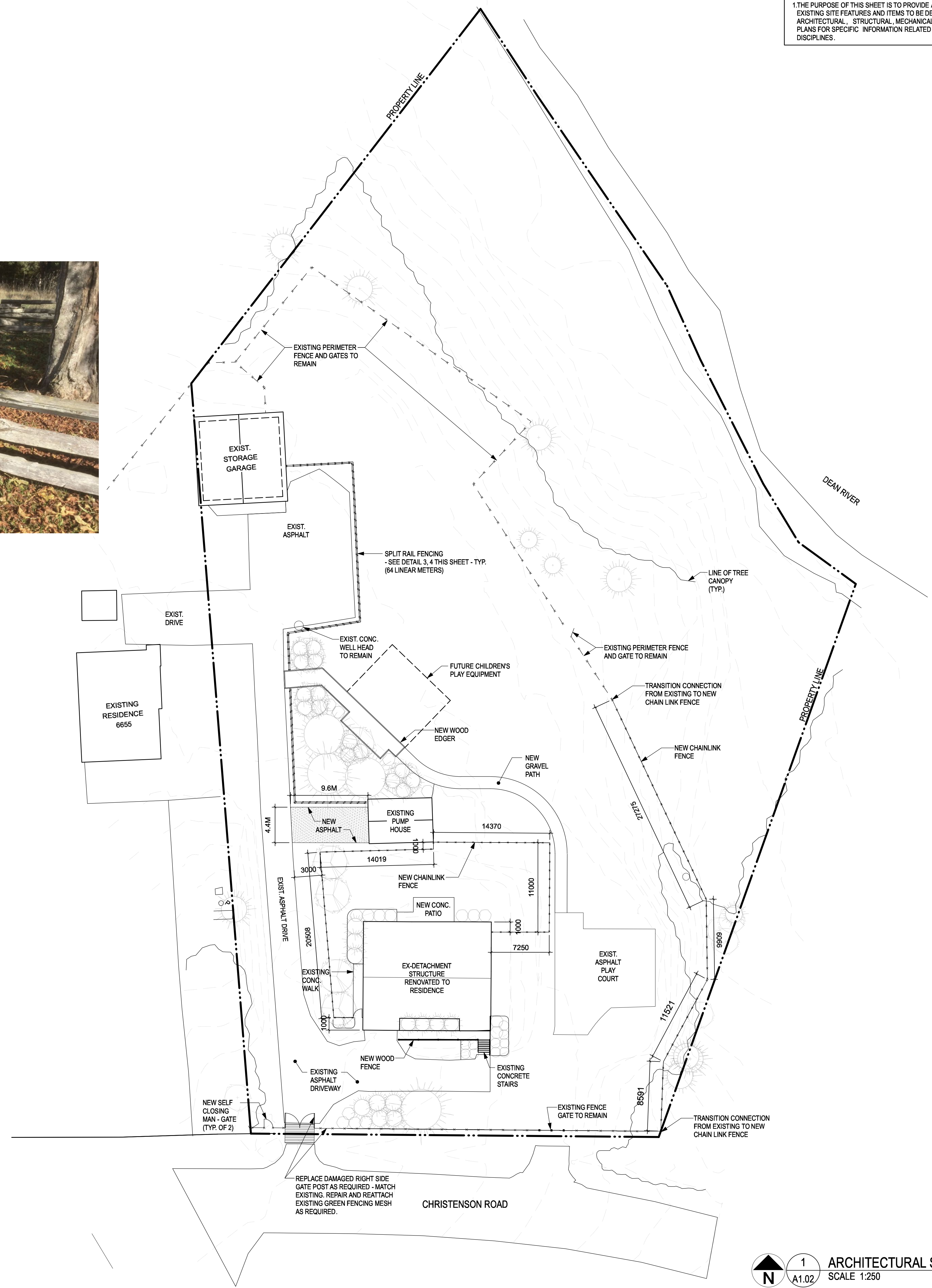
4 TYP. SPLIT RAIL FENCE PLAN
A1.02



3 WOOD FENCE SECTION
SCALE: 1:20
A1.02



2 WOOD FENCE ELEVATION
SCALE: 1:20
A1.02



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Preetpal Paul

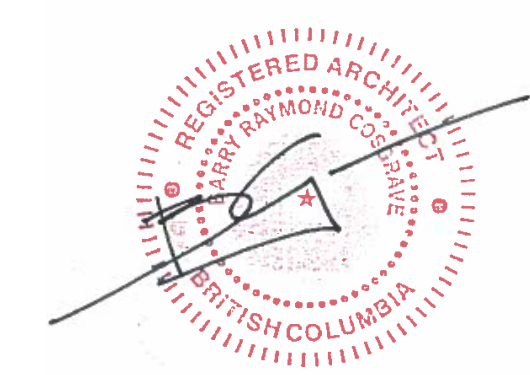
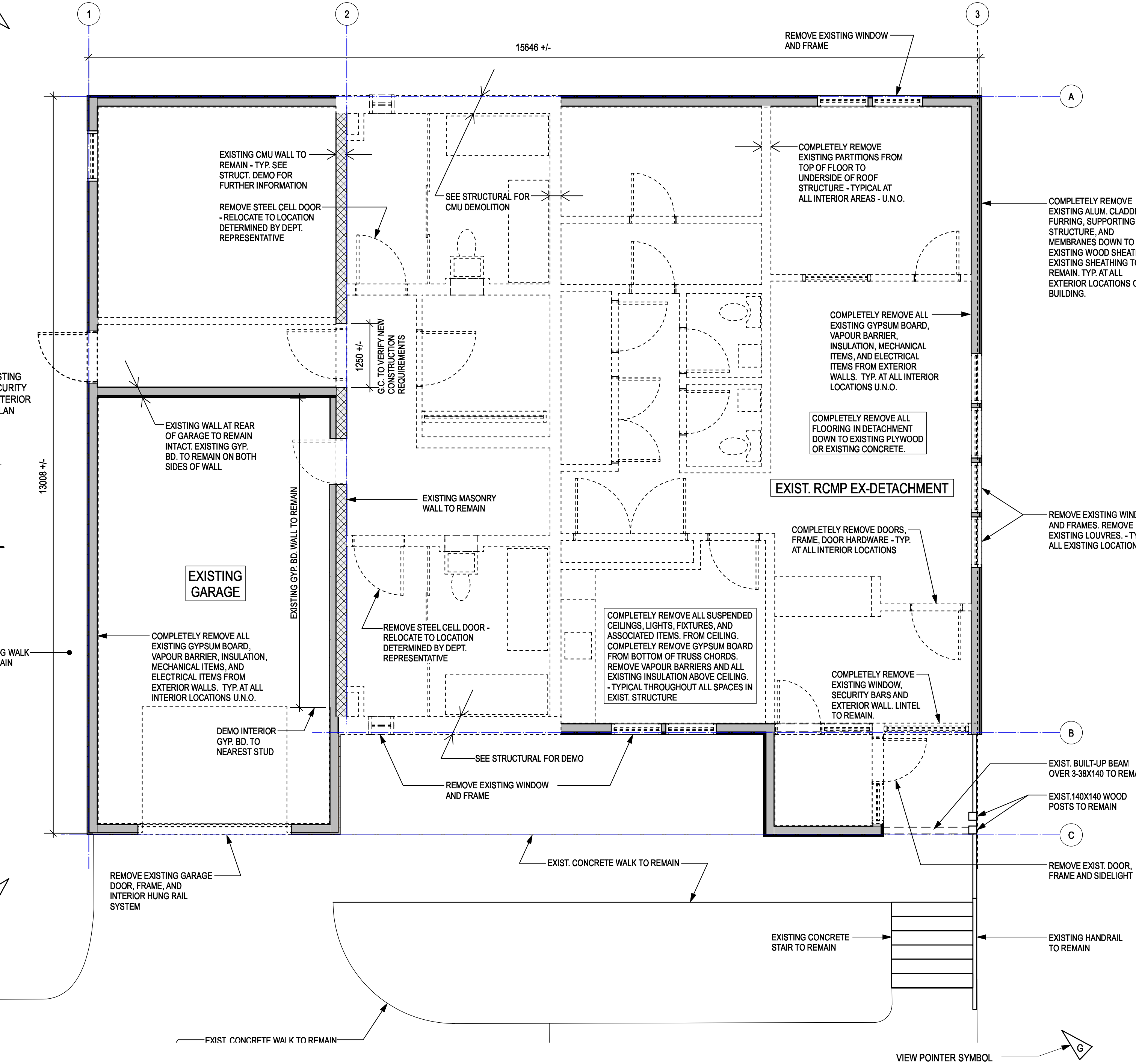
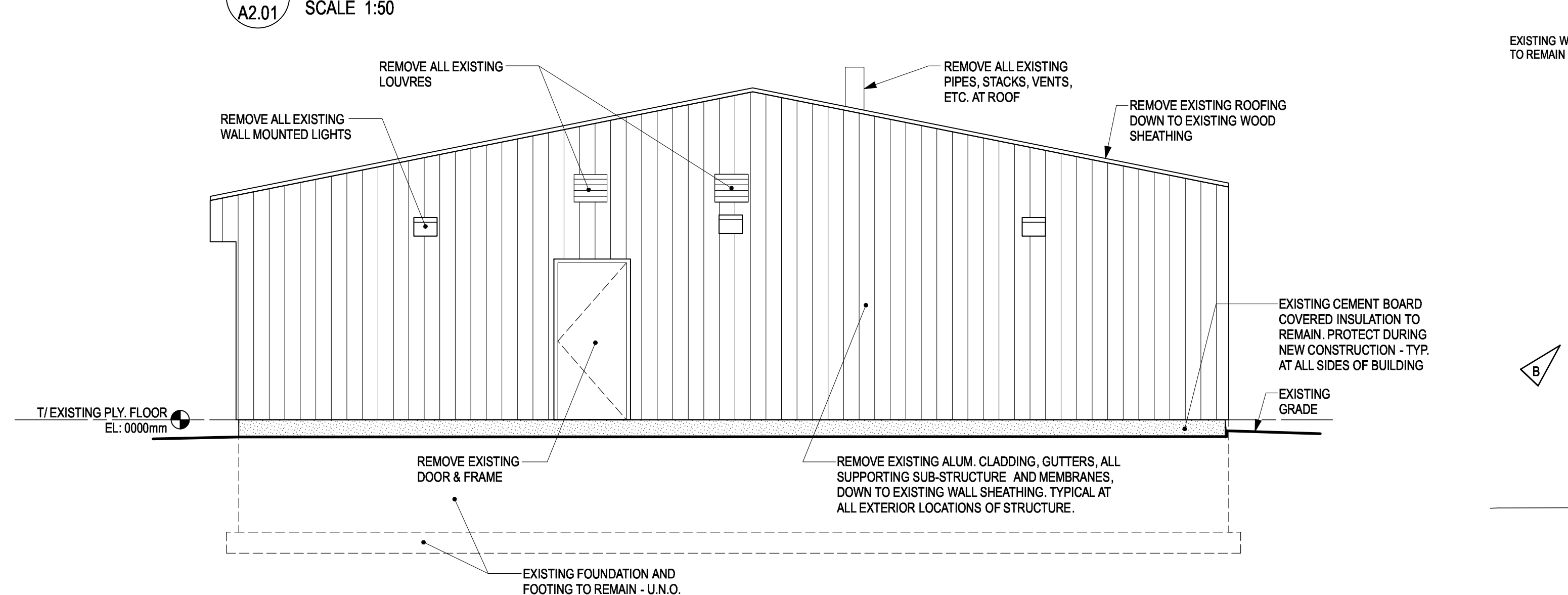
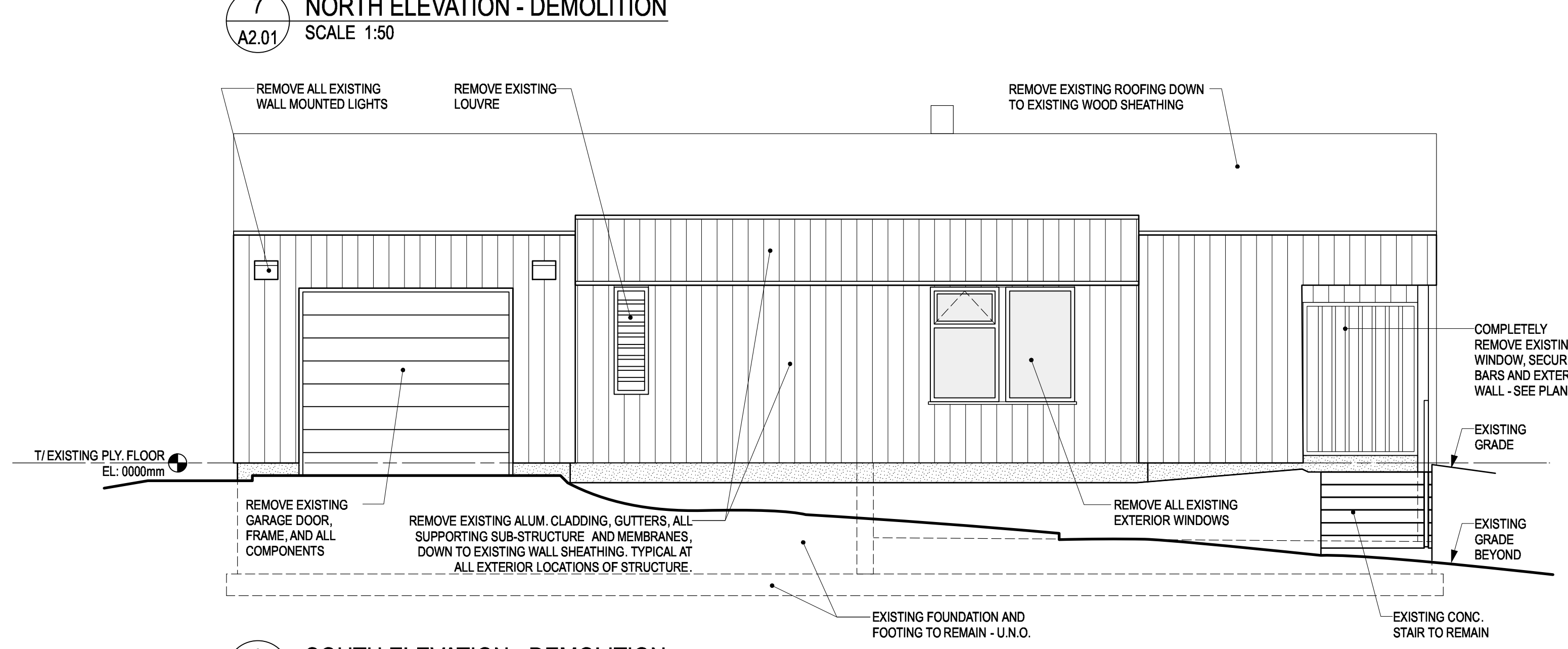
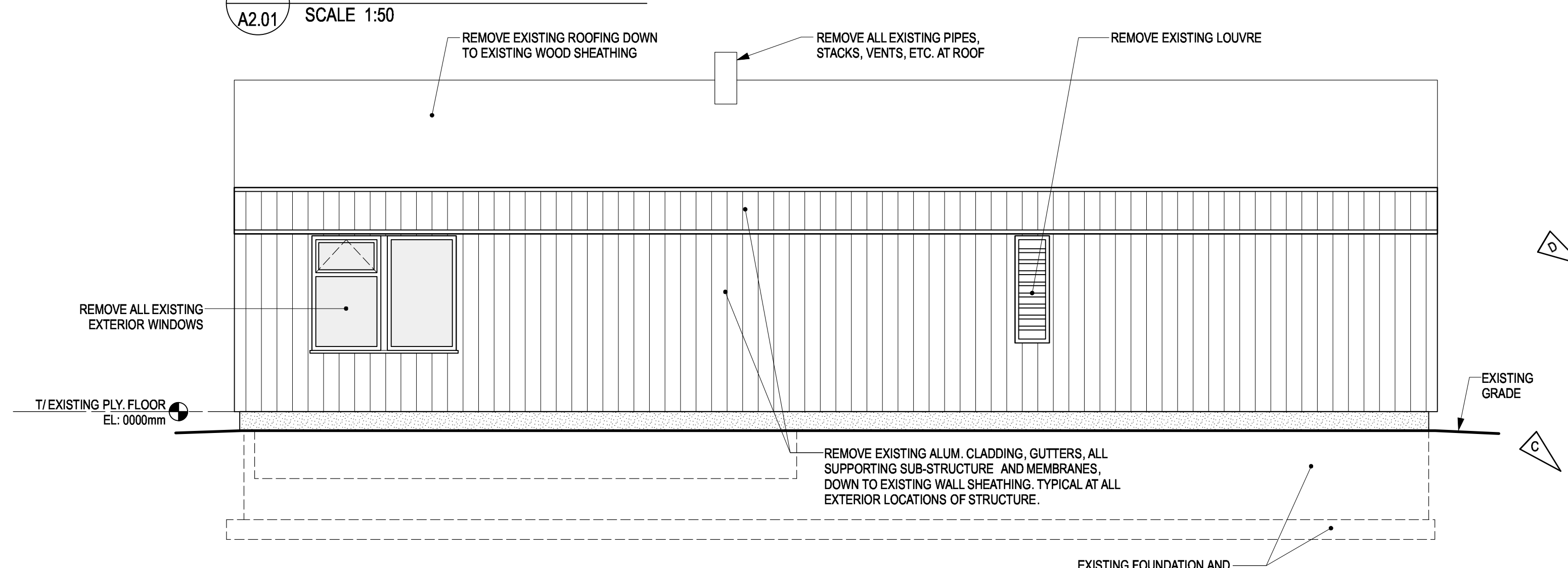
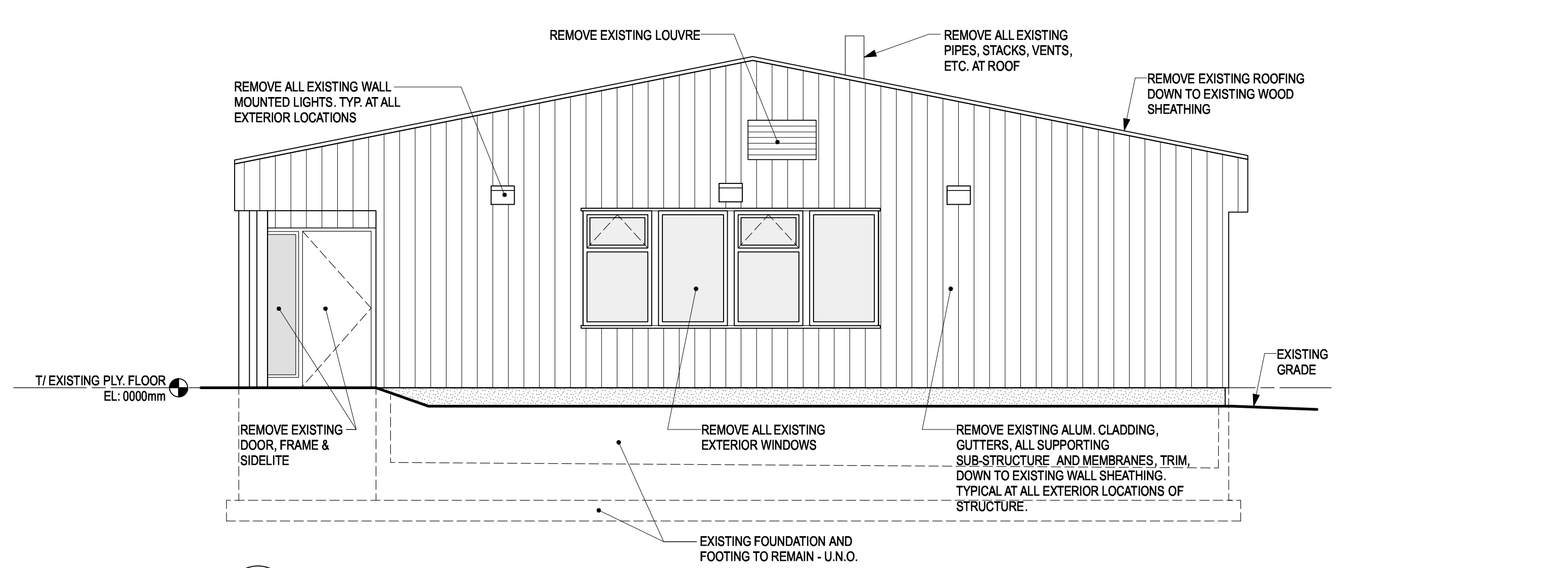
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ARCHITECTURAL SITE PLAN

Project No./No. du projet	Sheet/ Feuille	Revision no./ La Révision no.
R.103948.001	A1.02	0

1 ARCHITECTURAL SITE PLAN
SCALE 1:250
PROJECT NORTH

DEMO LEGEND:

- EXISTING TO BE REMOVED
- EXISTING WOOD FRAMING AND EXTERIOR PLYWOOD SHEATHING TO REMAIN



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Preetpal Paul

Drawing title/Titre du dessin

DEMOLITION PLAN AND ELEVATIONS

Project No./No. du projet	Sheet/ Feuille	Revision no./ La Révision no.
R.103948.001	A2.01	0

GENERAL ARCHITECTURAL 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 OWNER'S REPRESENTATIVE BEFORE PROCEEDING.
- VARIATIONS AND MODIFICATIONS TO WORK SHOWN ON THESE DRAWINGS SHALL NOT BE CARRIED OUT WITHOUT WRITTEN PERMISSION OF OWNER'S 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 OWNER'S REPRESENTATIVE BEFORE PROCEEDING.
- PROTECT EXISTING ITEMS DESIGNATED TO REMAIN. MAKE GOOD ANY DAMAGE TO EXISTING ITEMS DESIGNATED TO REMAIN THAT IS THE RESULT OF DEMOLITION OR CONSTRUCTION.
- 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.
- AT ALL WALL & ROOF PENETRATIONS IN EXISTING ENVELOPE, PROVIDE WOOD BLOCKING AND PLYWOOD SHEATHING PRIOR TO NEW CONSTRUCTION.
- PROVIDE BLOCKING SUPPORT AND NEW FLOOR SHEATHING AT EXISTING DEMOLISHED FLOOR HATCH.
- PROVIDE FULL LENGTH SHELF & ROD AT ALL (4) CLOSET LOCATIONS.



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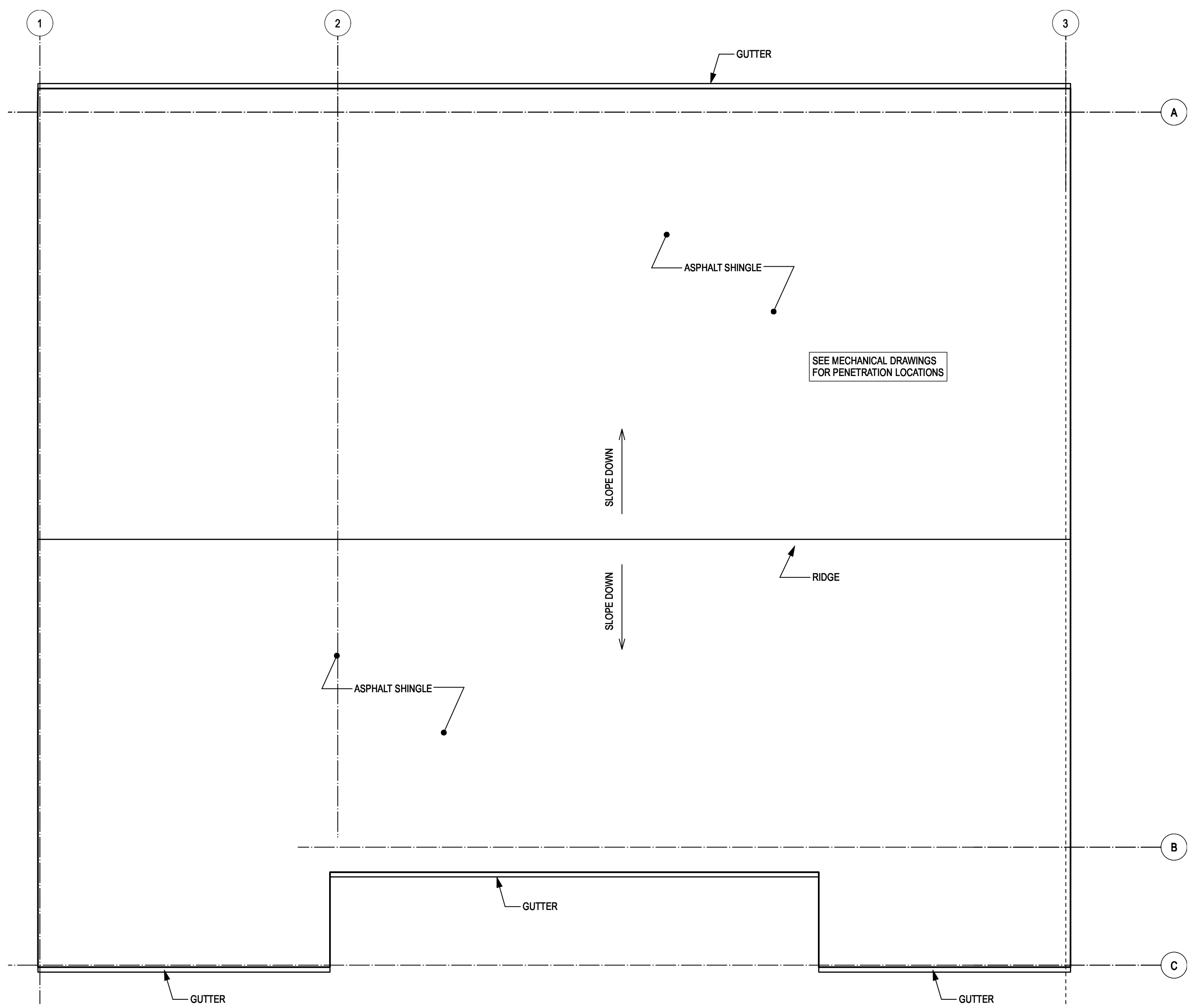
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Preetpal Paul

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PLANS

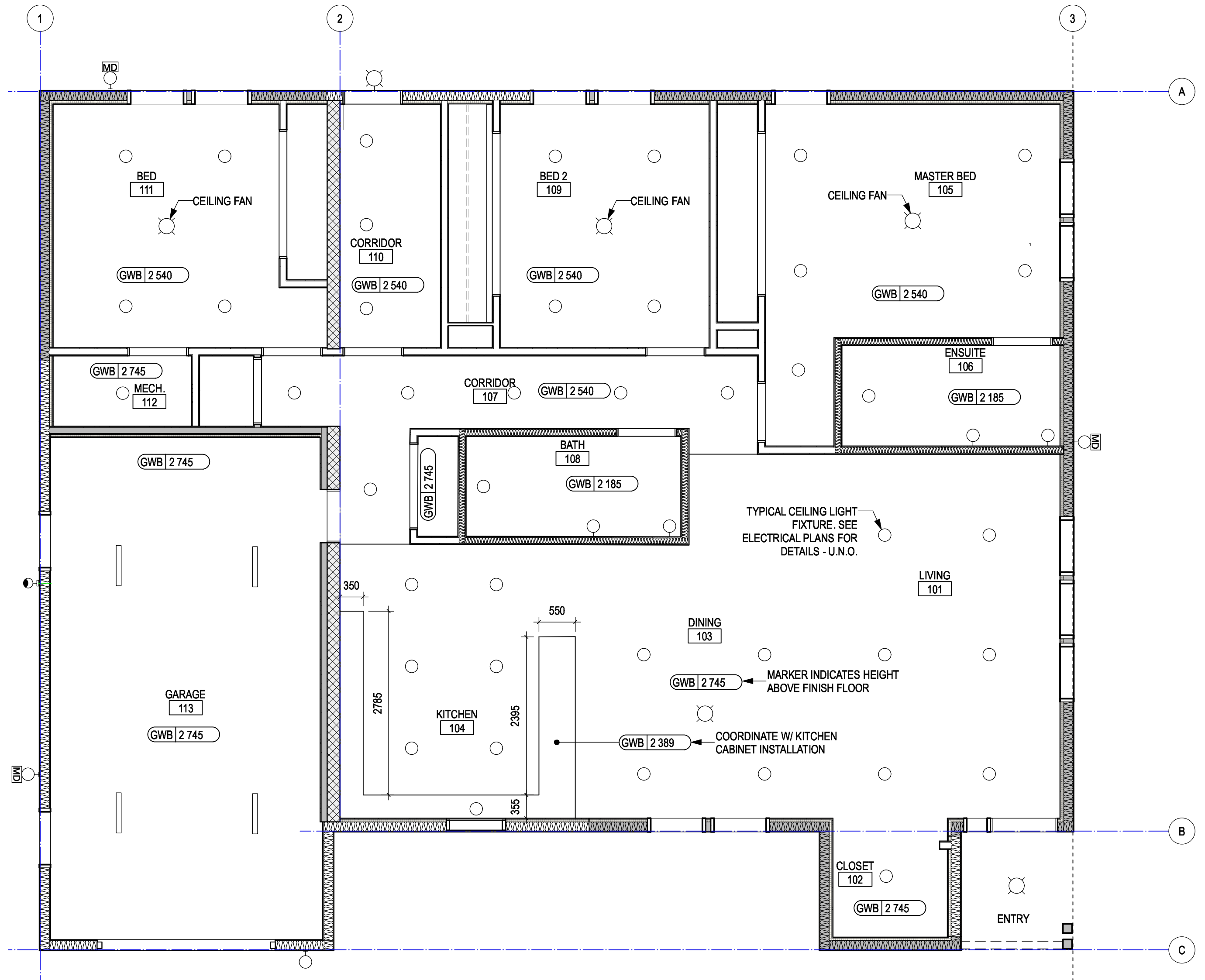
Project No./No. du projet	Sheet/ Feuille	Revision no./ La Révision no.
R.103948.001	A2.02	0

WALL ASSEMBLIES

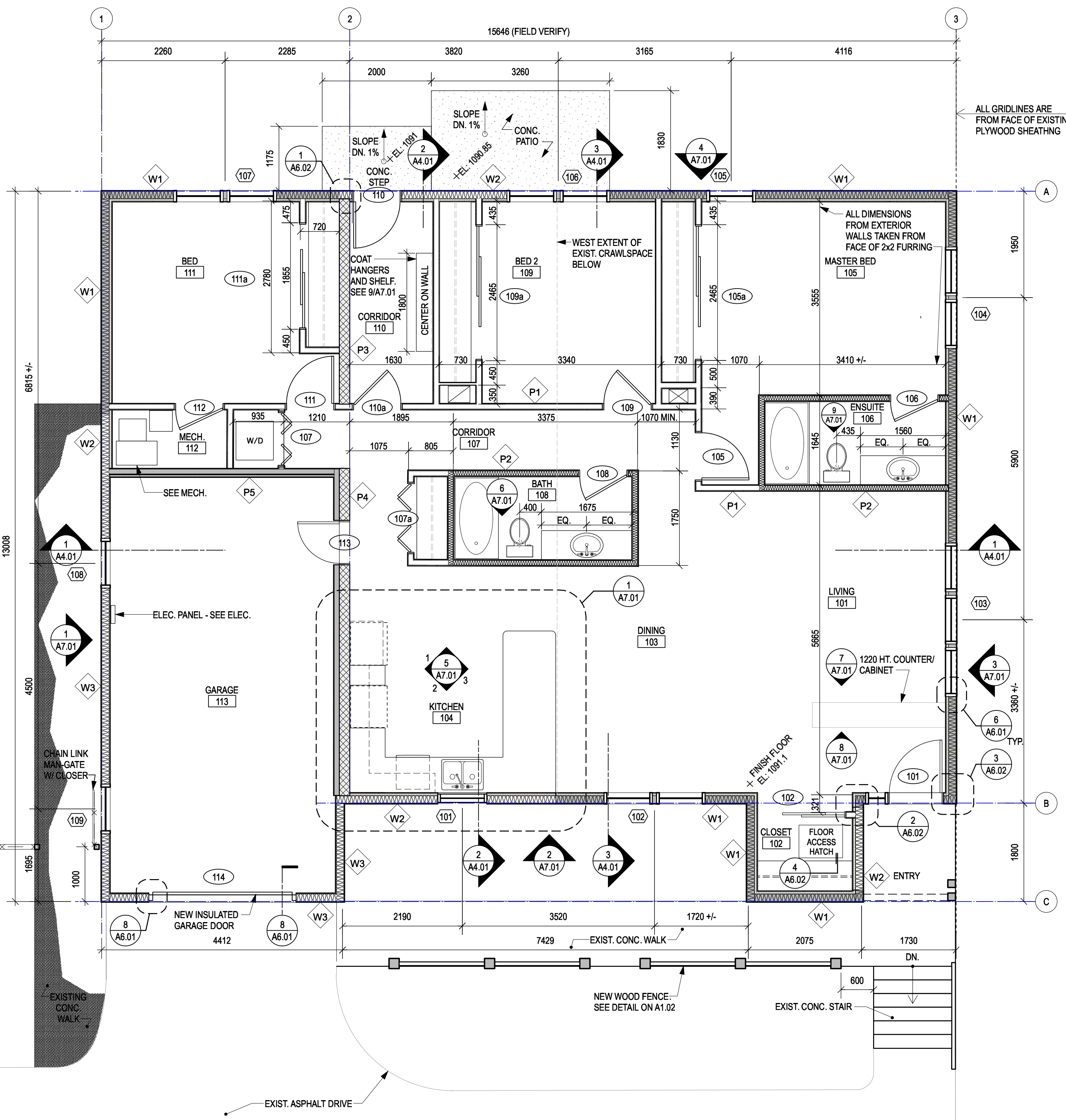
- W1** CEMENTITIOUS LAP SIDING
 - CEMENTITIOUS LAP SIDING
 - AIRMOISTURE BARRIER
 - EXISTING 12 mm PLYWOOD SHEATHING TO REMAIN
 - EXISTING WOOD STUDS TO REMAIN
 - 140 mm MINERAL WOOL BATT INSULATION
 - 38x38 mm FURRING @ 810 mm HORIZONTAL O.C.
 - 38mm MINERAL WOOL SEMI RIGID INSULATION
 - VAPOUR BARRIER
 - 16mm TYPE X GYPSUM BOARD
- W2** CEMENTITIOUS LAP SIDING AT DEMOLISHED WALL
 - CEMENTITIOUS LAP SIDING
 - AIRMOISTURE BARRIER
 - 12 mm PLYWOOD SHEATHING
 - 38x140 WOOD STUDS @400mm O.C.
 - 140 mm MINERAL WOOL BATT INSULATION
 - 38x38 mm FURRING @ 810 mm HORIZONTAL O.C.
 - 38mm MINERAL WOOL SEMI RIGID INSULATION
 - VAPOUR BARRIER
 - 16mm TYPE X GYPSUM BOARD
- W3** CEMENTITIOUS LAP SIDING
 - CEMENTITIOUS LAP SIDING
 - AIRMOISTURE BARRIER
 - EXISTING 12 mm PLYWOOD SHEATHING
 - EXISTING WOOD STUDS TO REMAIN
 - 140 mm MINERAL WOOL BATT INSULATION
 - 38x38 mm FURRING @ 810 mm HORIZONTAL O.C.
 - 38mm MINERAL WOOL SEMI RIGID INSULATION
 - VAPOUR BARRIER
 - 16mm TYPE X GYPSUM BOARD
- P1** 38x89 INTERIOR PARTITION WALL
 - 16mm TYPE X GYPSUM BOARD
 - 38x89 WOOD STUDS @400mm O.C. TO UNDERSIDE CEILING
 - 16mm TYPE X GYPSUM BOARD
- P2** 38x89 INTERIOR PARTITION WALL
 - 16mm TYPE X GYPSUM BOARD
 - 38x89 WOOD STUDS @400mm O.C. TO UNDERSIDE CEILING
 - 89 mm MINERAL WOOL BATT INSULATION
 - 16mm TYPE X GYPSUM BOARD
- P3** EXISTING CMU
 - EXISTING CMU
 - 16mm GYPSUM BOARD ADHERED TO FACE OF CMU (BOTH SIDES)
 - EXTEND TO UNDERSIDE OF GYPSUM BOARD CEILING
- P4** EXISTING CMU
 - EXISTING CMU
 - 16mm GYPSUM BOARD ADHERED TO FACE OF CMU (NON-GARAGE SIDE ONLY)
 - EXTEND TO UNDERSIDE OF GYPSUM BOARD CEILING
- P5** EXISTING GARAGE WALL
 - EXISTING GARAGE WALL
 - 38mm MINERAL WOOL SEMI RIGID INSULATION WITH 38x38 FURRING
 - 16mm TYPE X



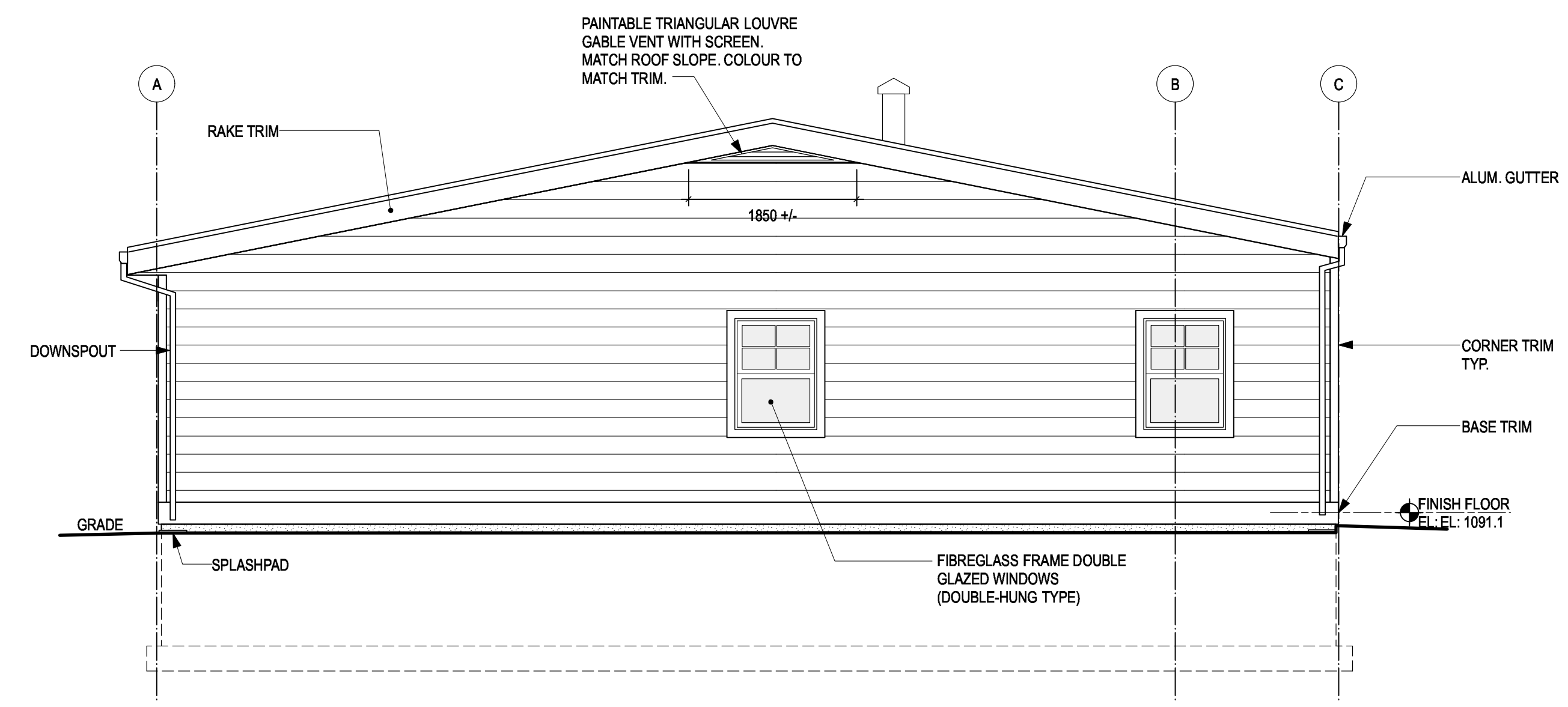
3 ROOF PLAN
SCALE 1:50
PROJECT NORTH



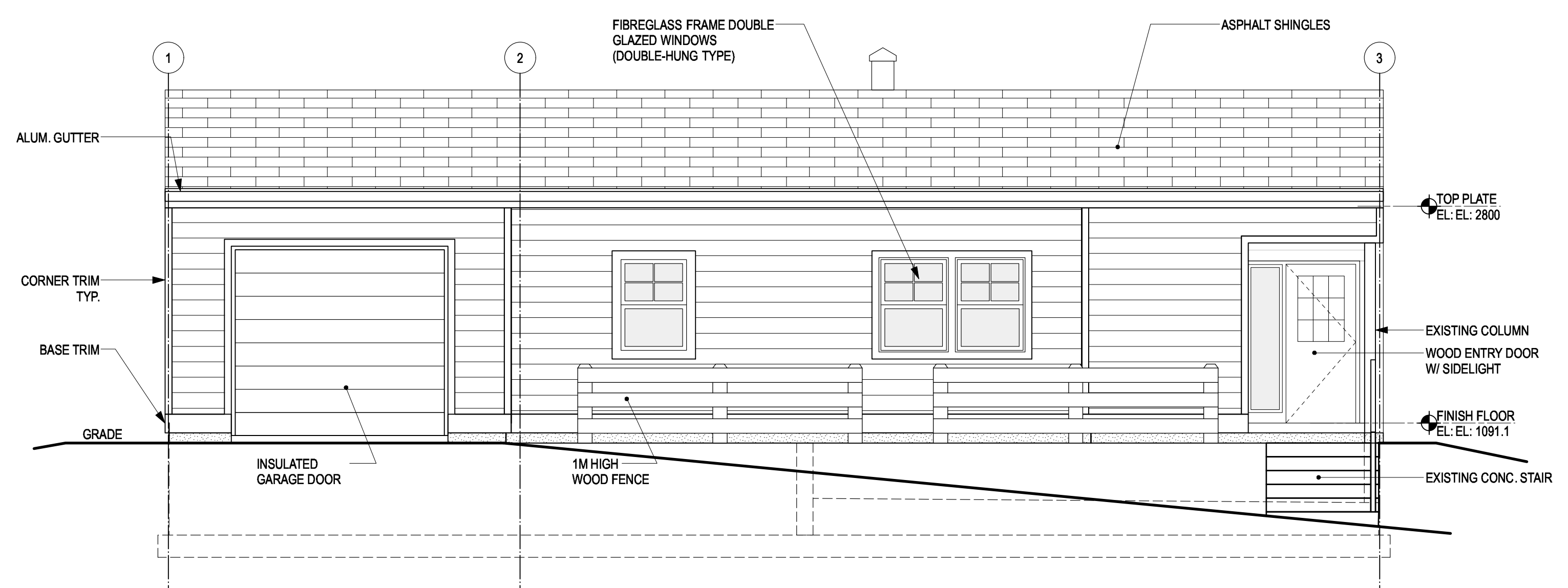
2 REFLECTED CEILING PLAN
SCALE 1:50
PROJECT NORTH



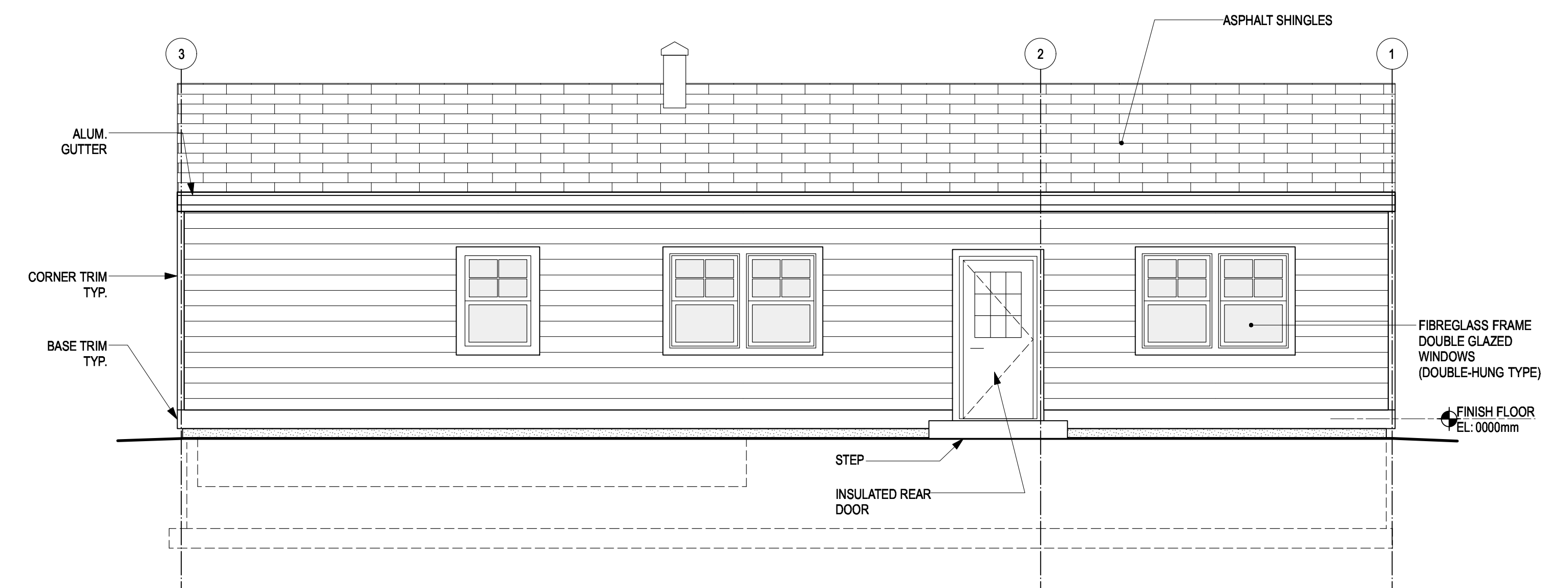
1 FLOOR PLAN
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PROJECT NORTH



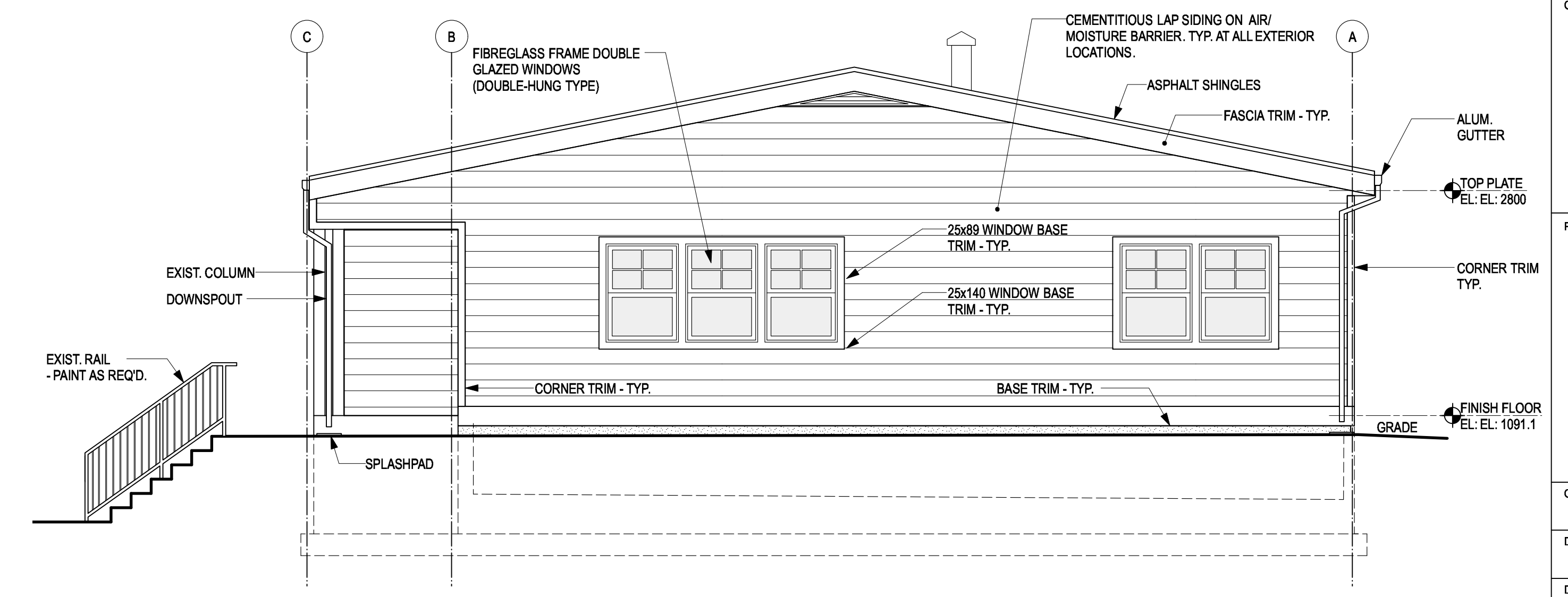
1 WEST ELEVATION
 SCALE: 1:50



2 SOUTH ELEVATION
 SCALE: 1:50



3 EAST ELEVATION
 SCALE: 1:50



4 NORTH ELEVATION
 SCALE: 1:50



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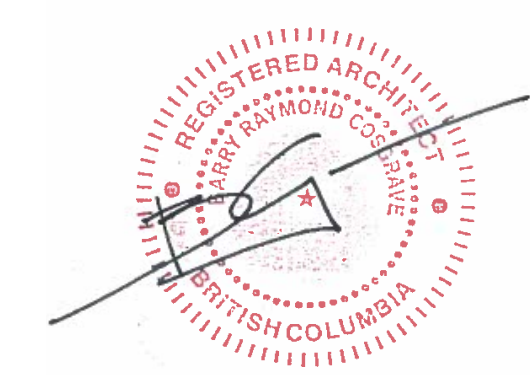
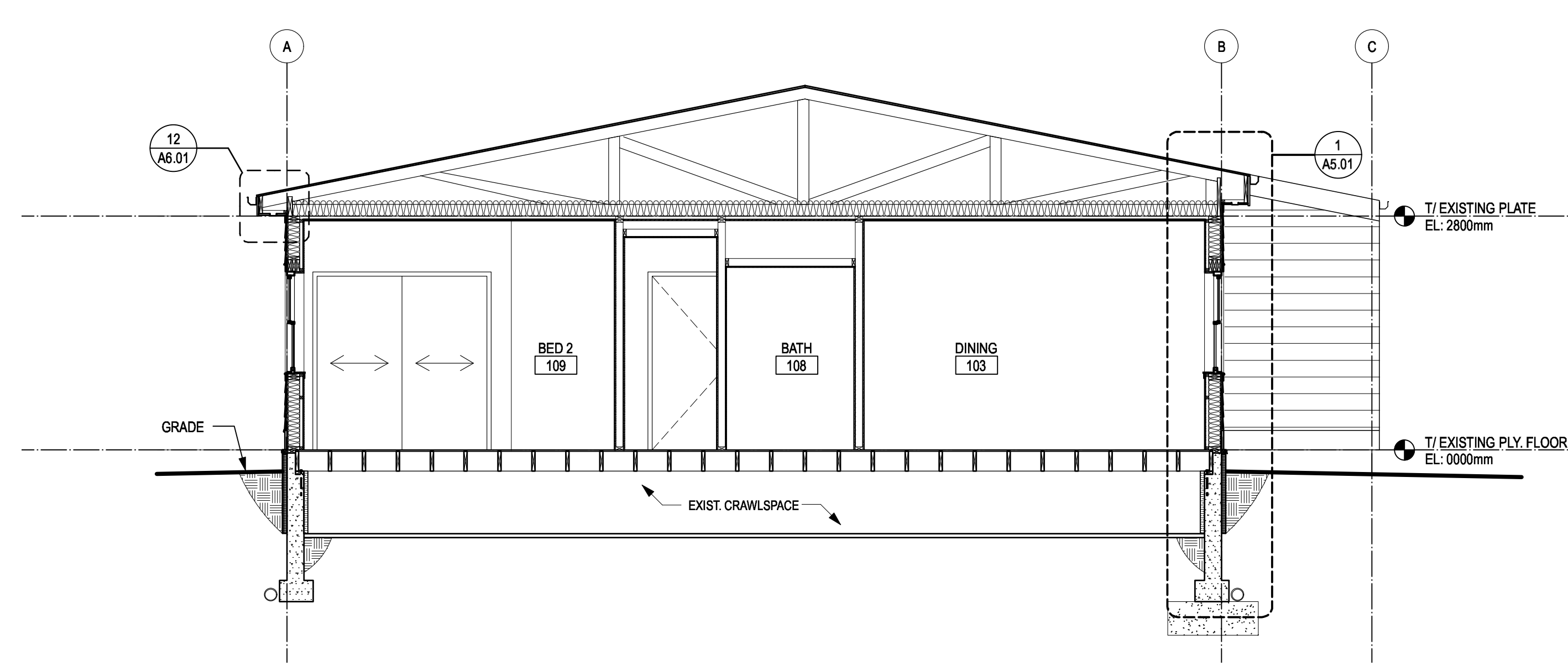
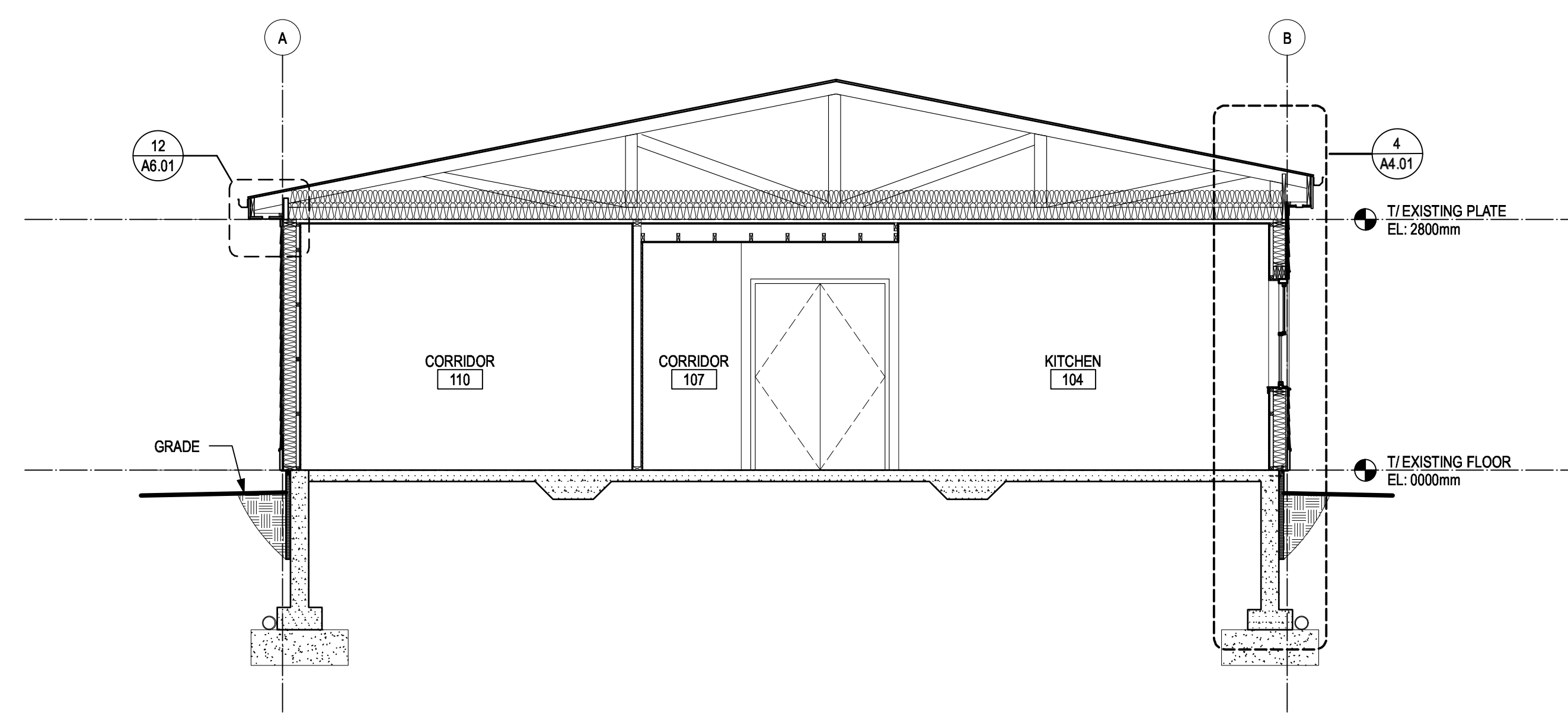
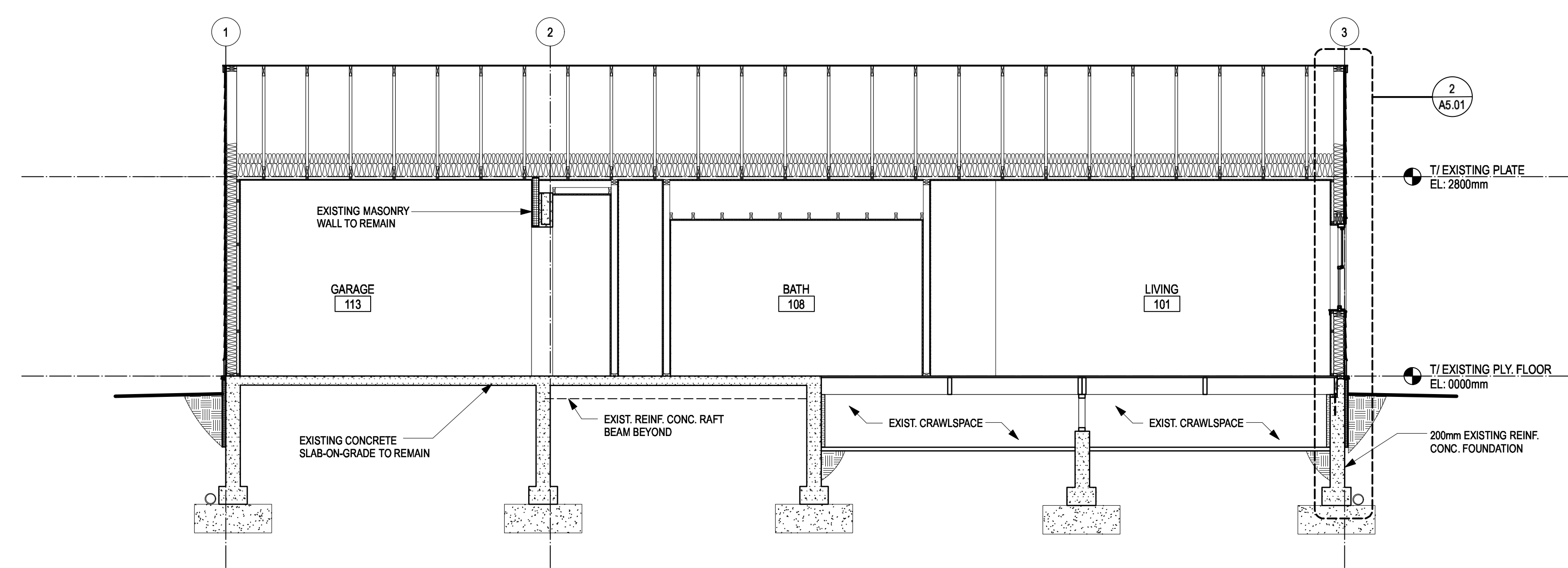
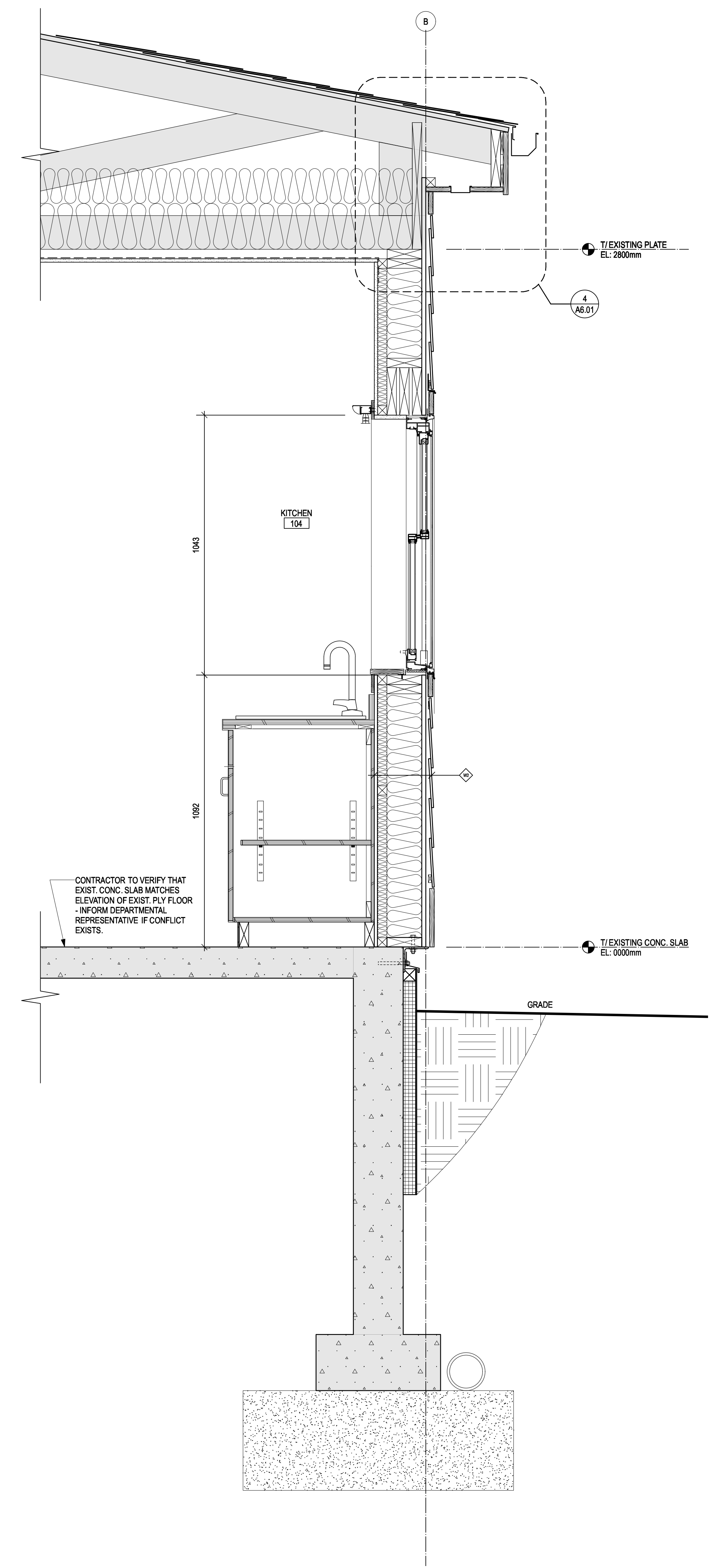
Client/Client
RCMP
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Surrey, B.C.

Project title/Titre du projet
RCMP ANAHIM LAKE HOUSING RENOVATIONS

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Philip Fung
 PWGSC Regional Manager, Architectural and Engineering Services /
 Gestionnaire régional, Services d'architecture et de génie, TPSGC
Preetpal Paul

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ELEVATIONS

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R.103948.001	A3.01	0



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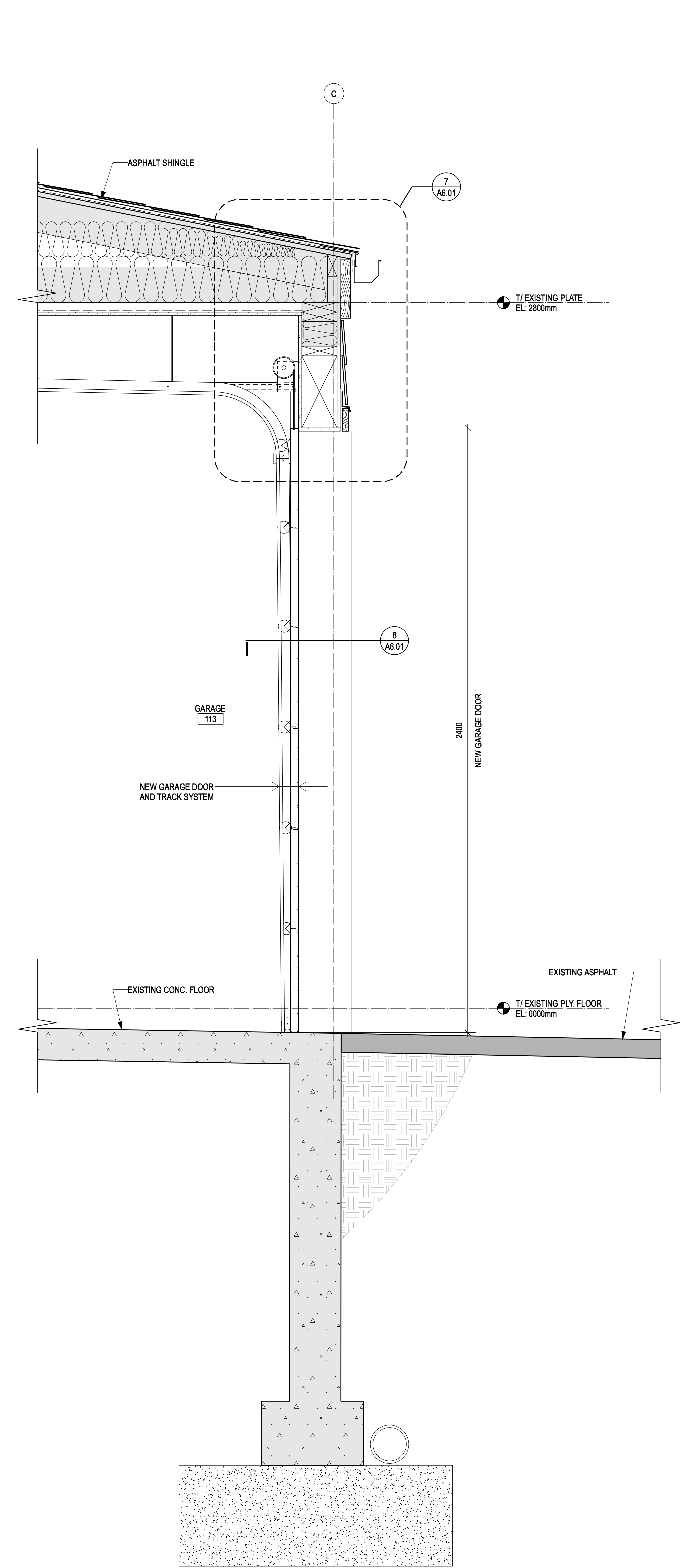
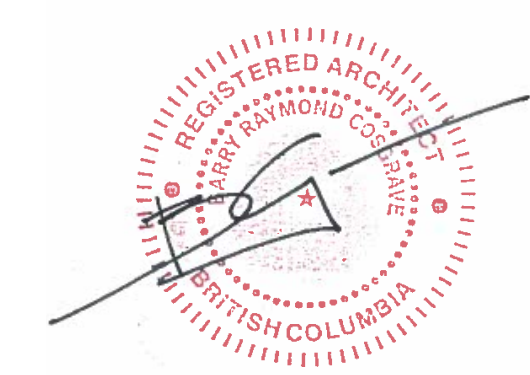
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RCMP ANAHIM LAKE HOUSING RENOVATIONS

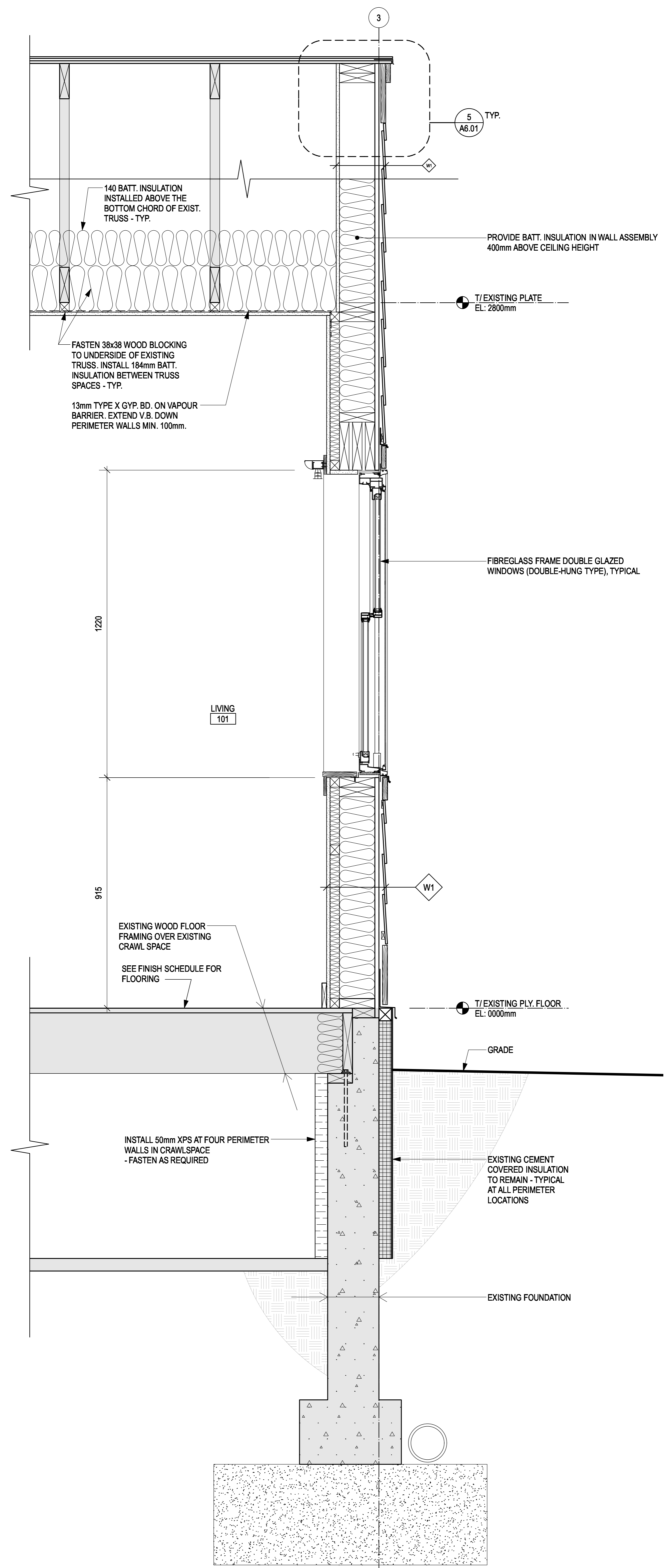
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Philip Fung
 PWGSC Regional Manager, Architectural and Engineering Services /
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Preetpal Paul

Drawing title/Titre du dessin
BUILDING AND WALL SECTIONS

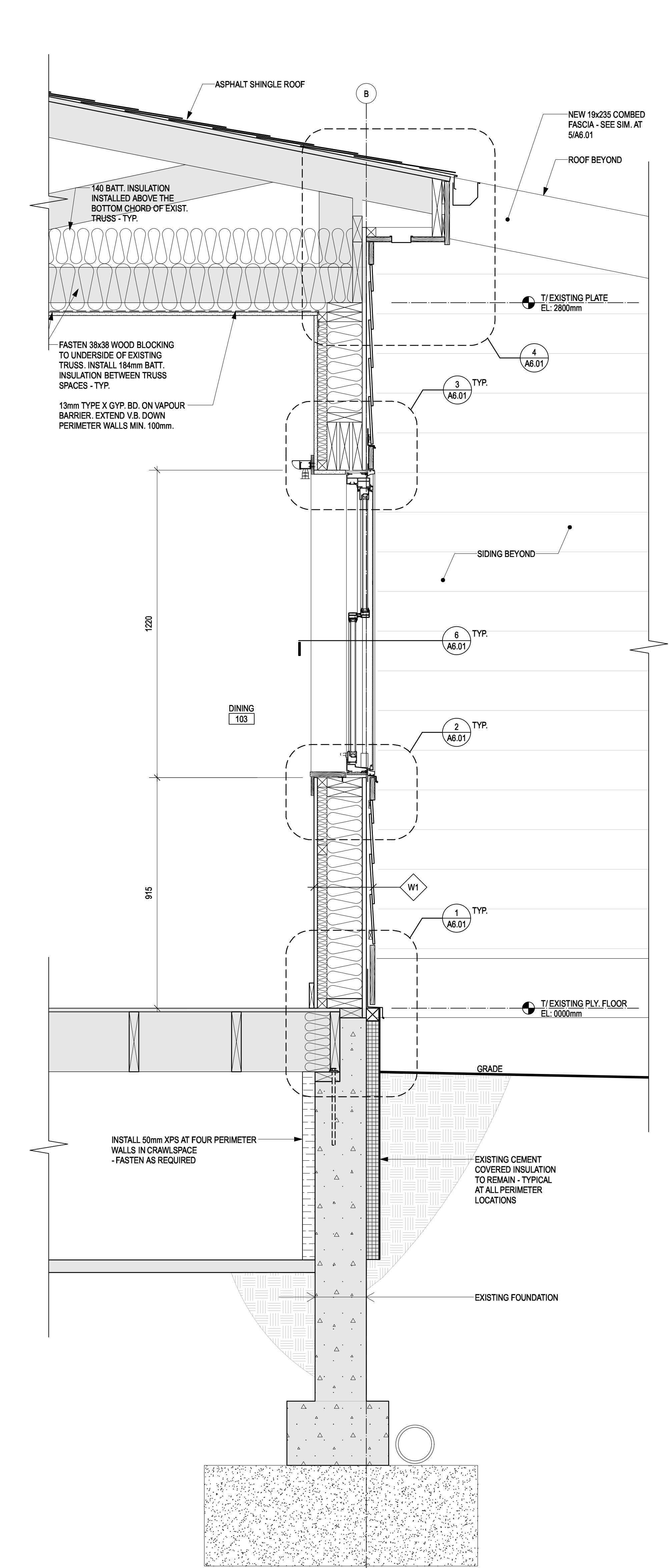
Project No./No. du projet	Sheet/ Feuille	Revision no./ La Révision no.
R.103948.001	A4.01	0



3 WALL SECTION AT GARAGE DOOR
A5.01 SCALE 1:10



2 WALL SECTION AT EXIST. WOOD FRAME CONSTRUCTION
A5.01 SCALE 1:10



1 WALL SECTION AT EXIST. WOOD FRAME CONSTRUCTION
A5.01 SCALE 1:10

Revision/Revision	Description/Description	Date/Date
0	ISSUED FOR TENDER	2019 12 09
B	95% REVIEW SUBMISSION	2019 10 25
A	50% REVIEW SUBMISSION	2019 09 13

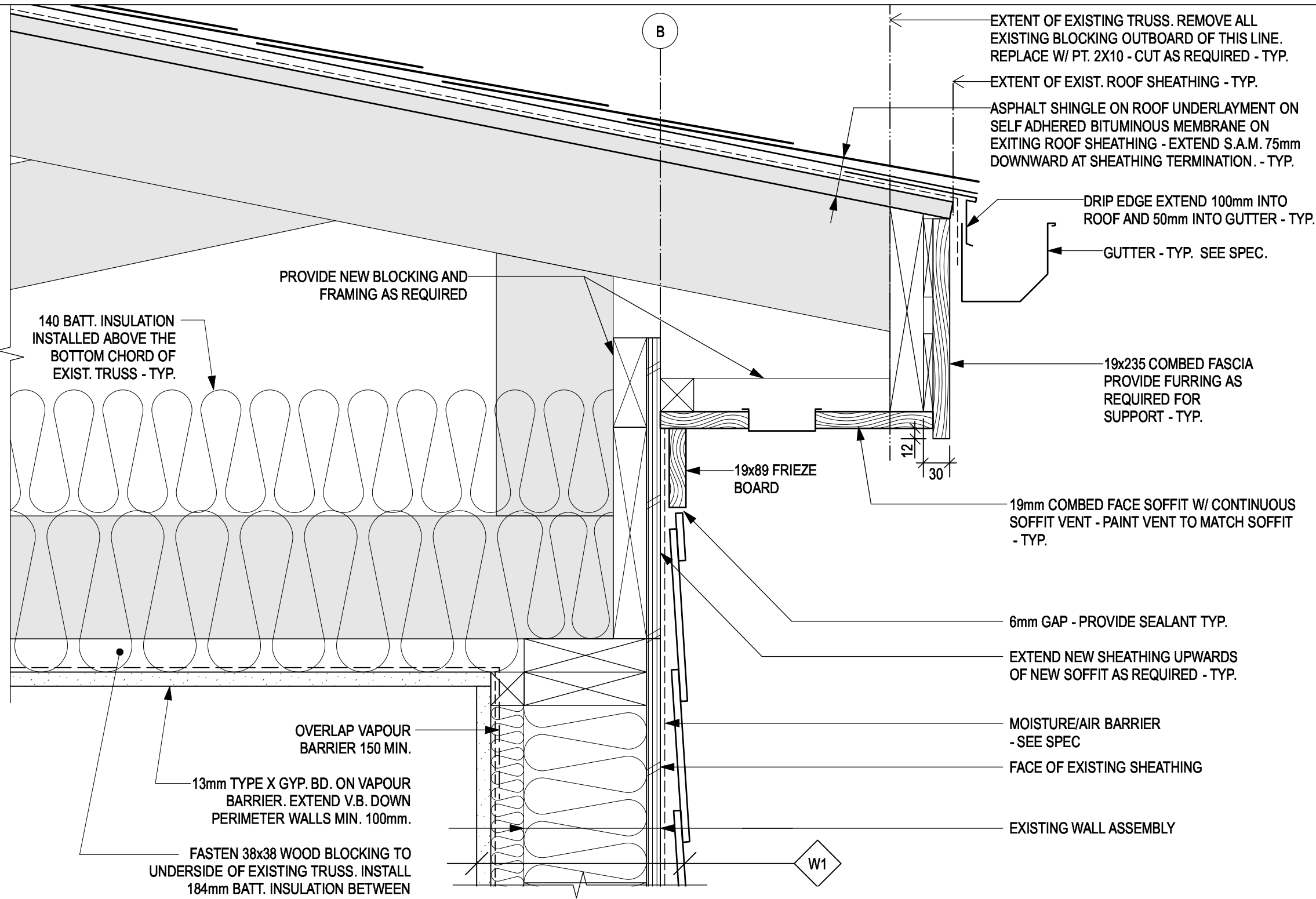
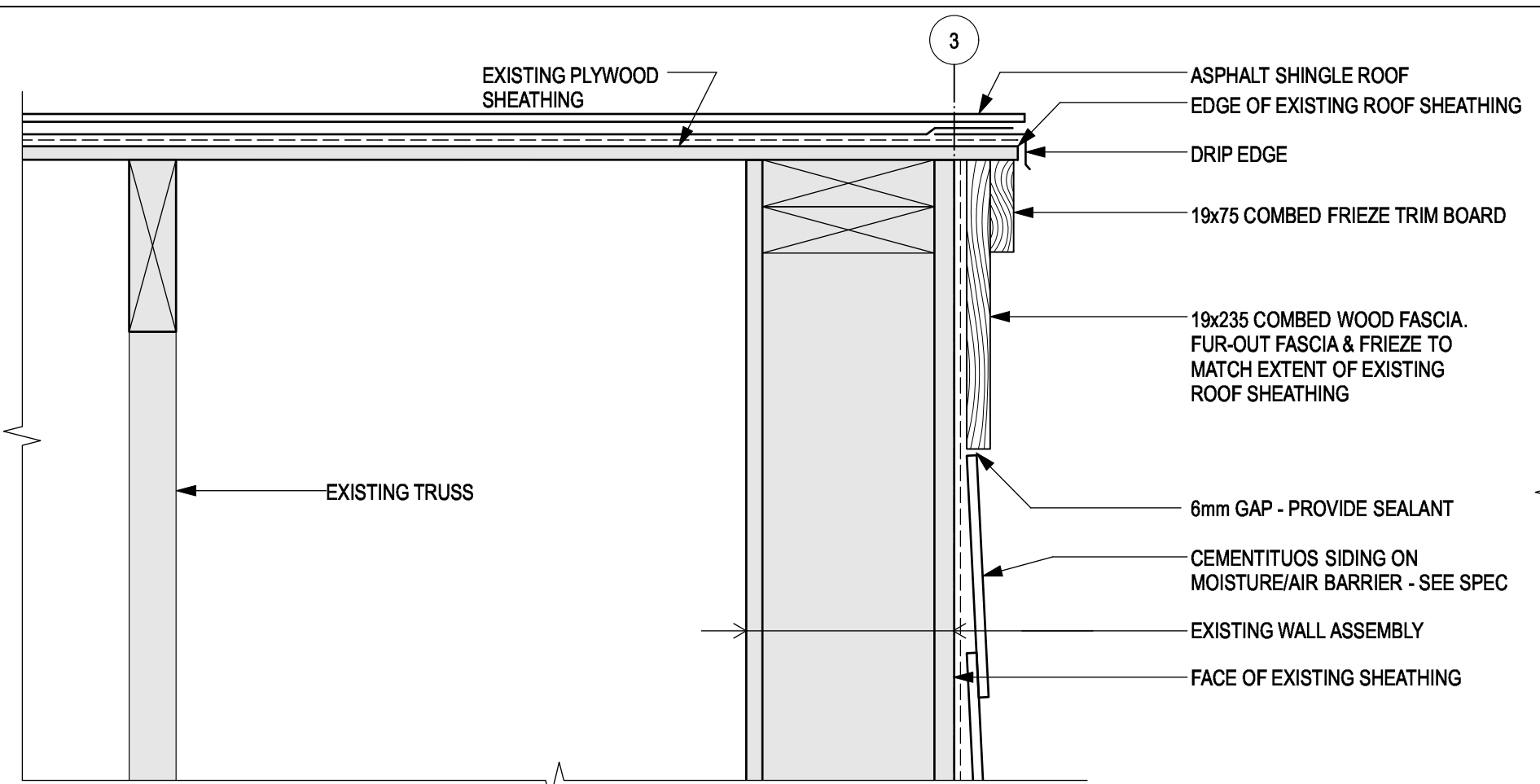
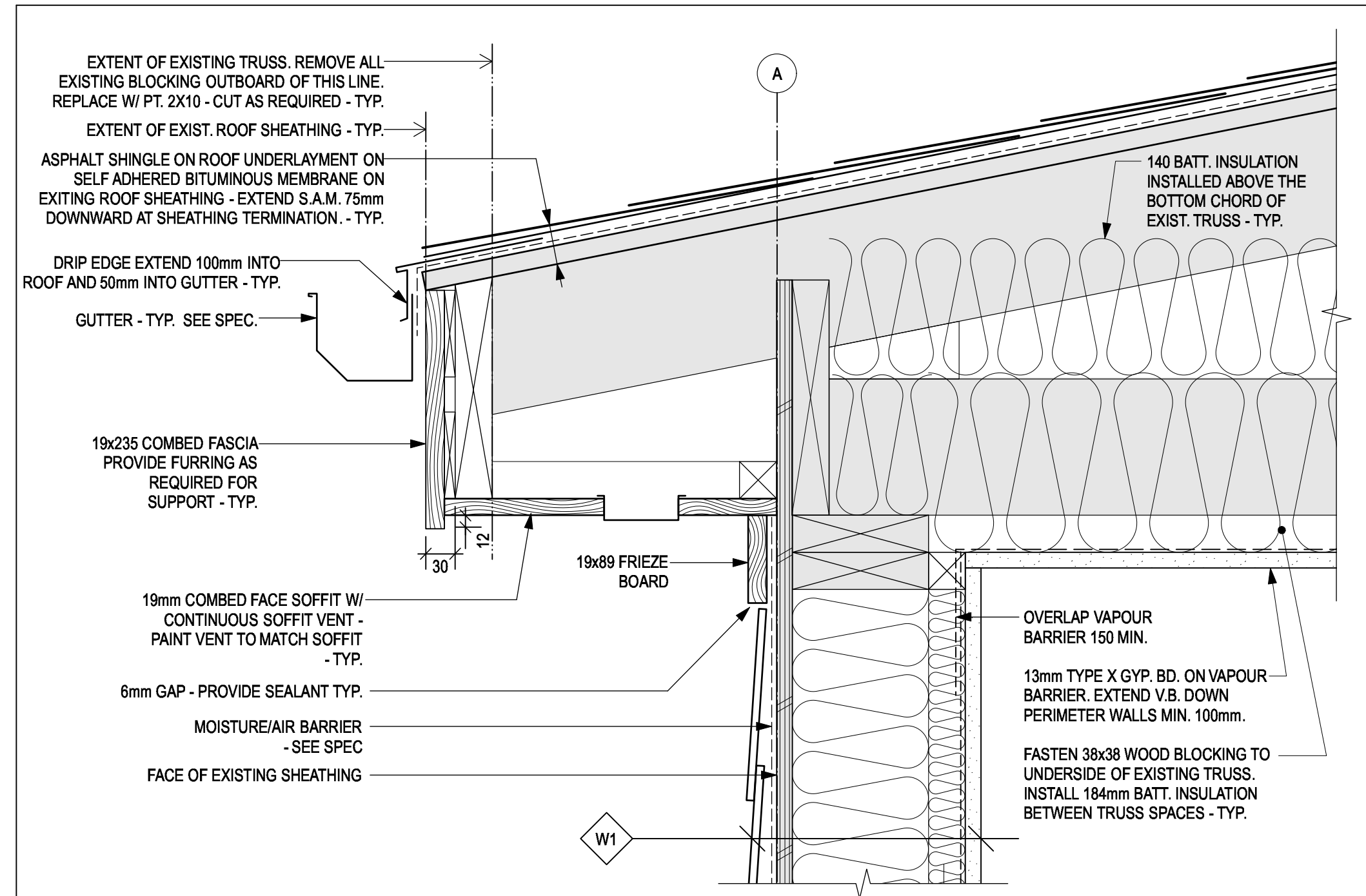
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RCMP
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Surrey, B.C.

Project title/Titre du projet
RCMP ANAHIM LAKE HOUSING RENOVATIONS

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Philip Fung
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Preetpal Paul

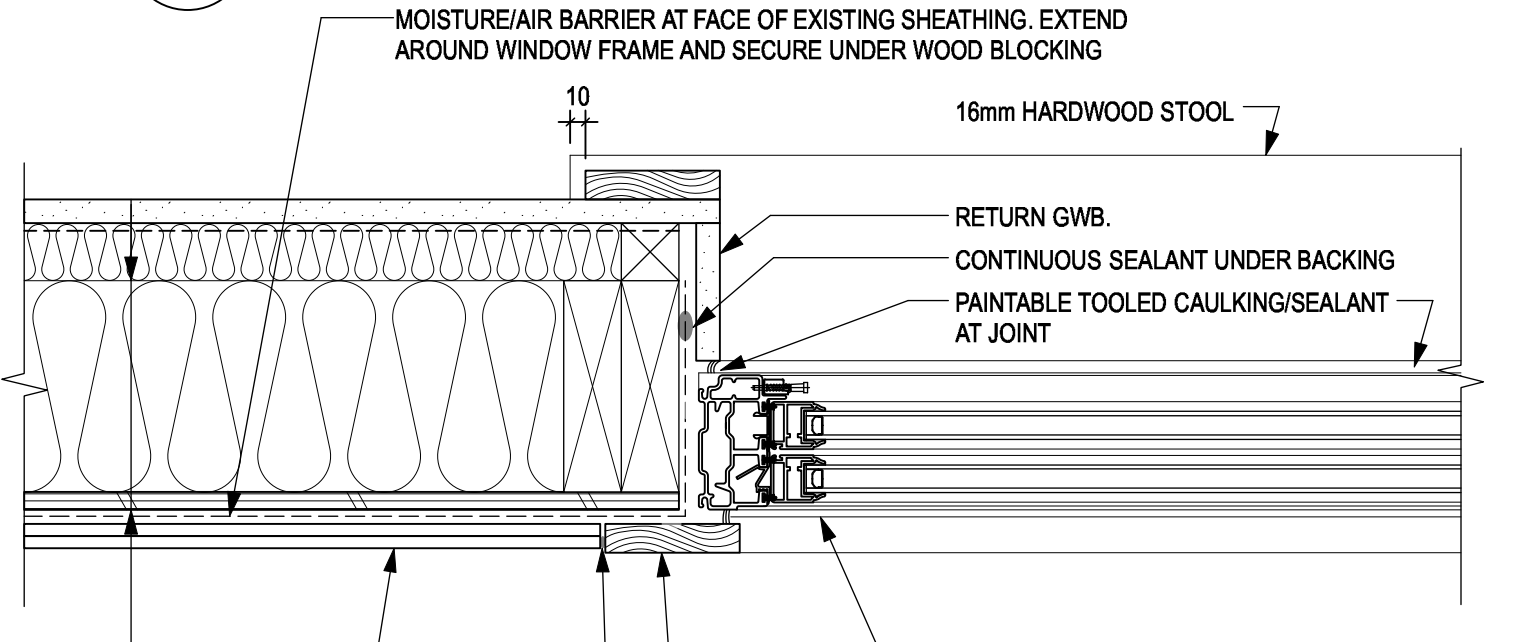
Drawing title/Titre du dessin
WALL SECTIONS

Project No./No. du projet	Sheet/ Feuille	Revision no./ La Révision no.
R.103948.001	A5.01	0



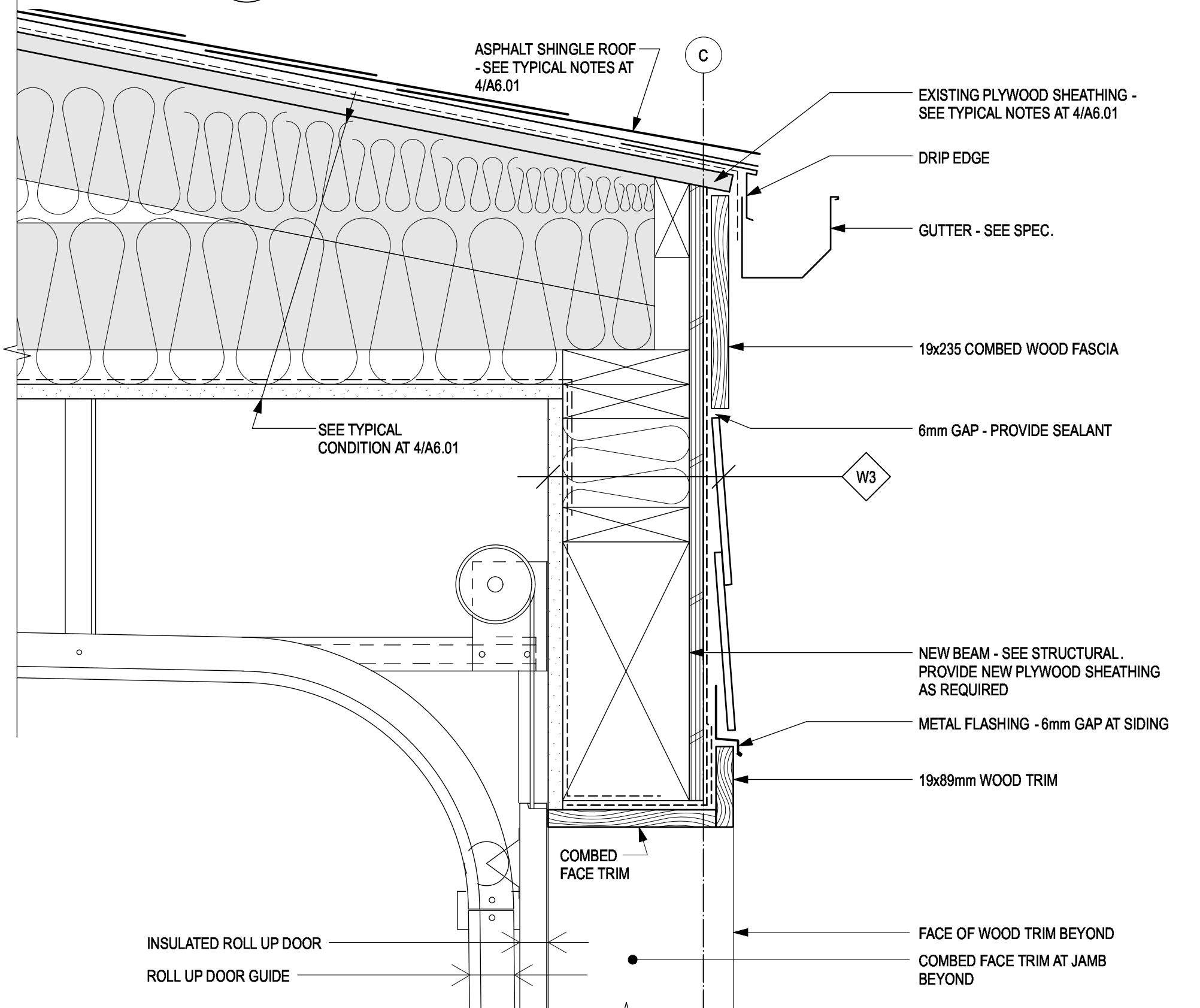
5 ROOF GABLE DETAIL

SCALE: 1:5



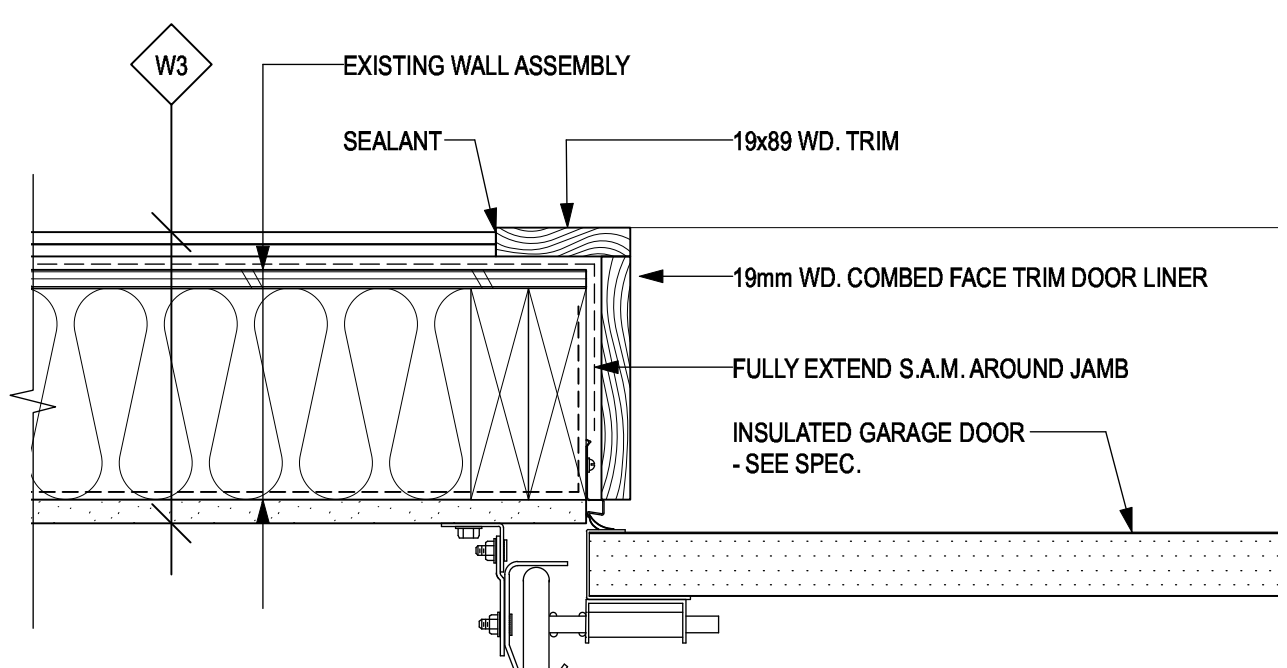
6 WINDOW JAMB DETAIL

SCALE: 1:5



7 GARAGE DOOR HEAD DETAIL

SCALE: 1:5

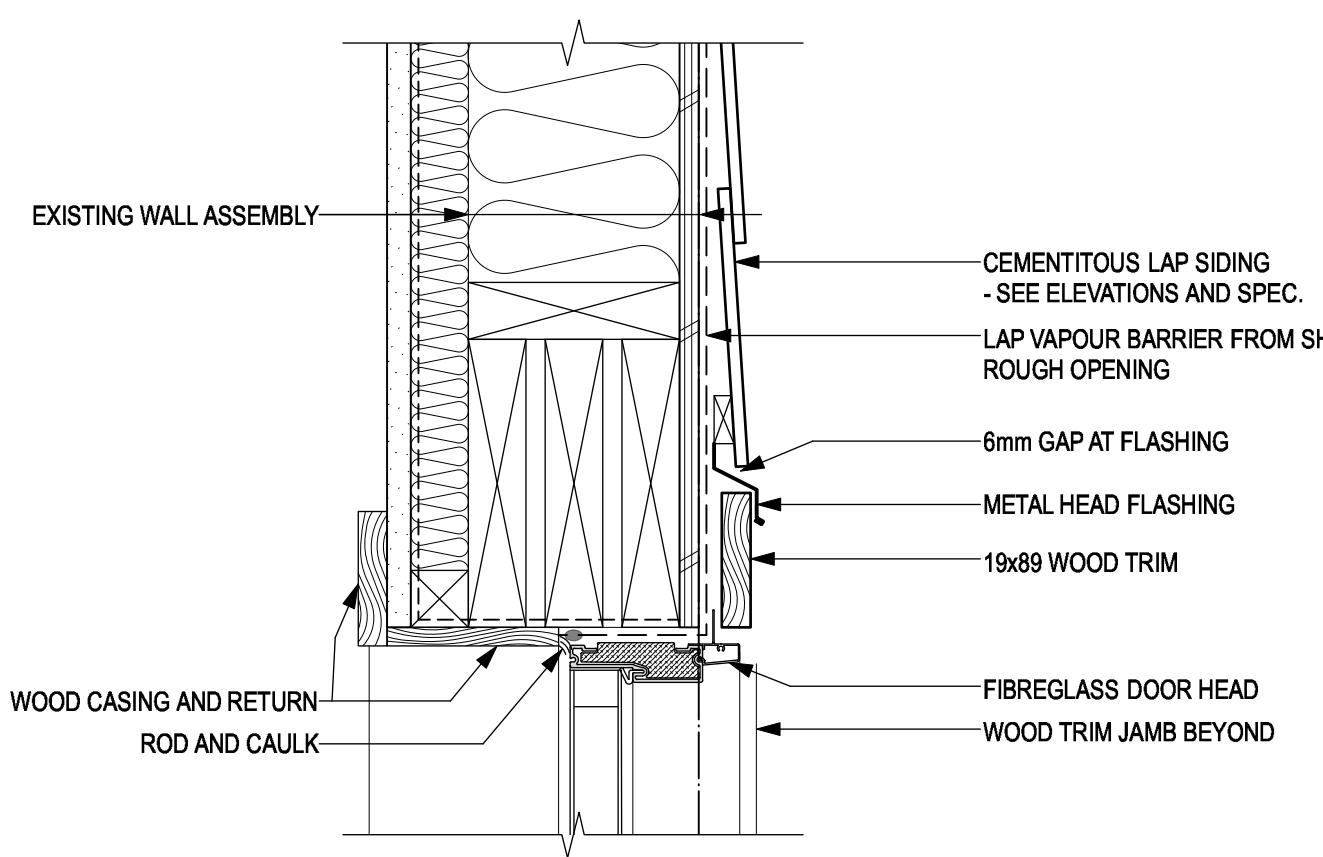


8 GARAGE DOOR JAMB DETAIL

SCALE: 1:5

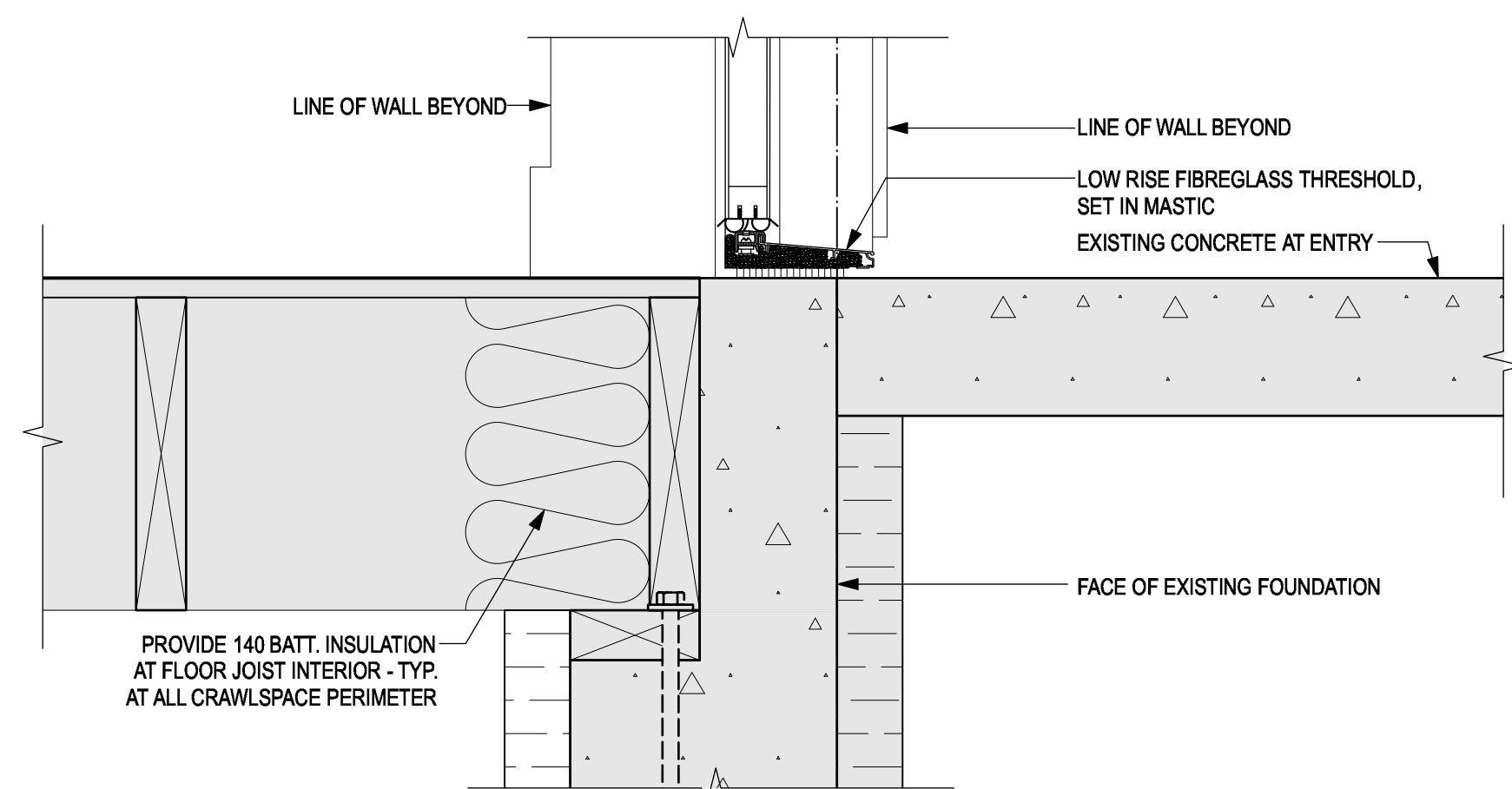
12 TYP. SOFFIT DETAIL

SCALE: 1:5



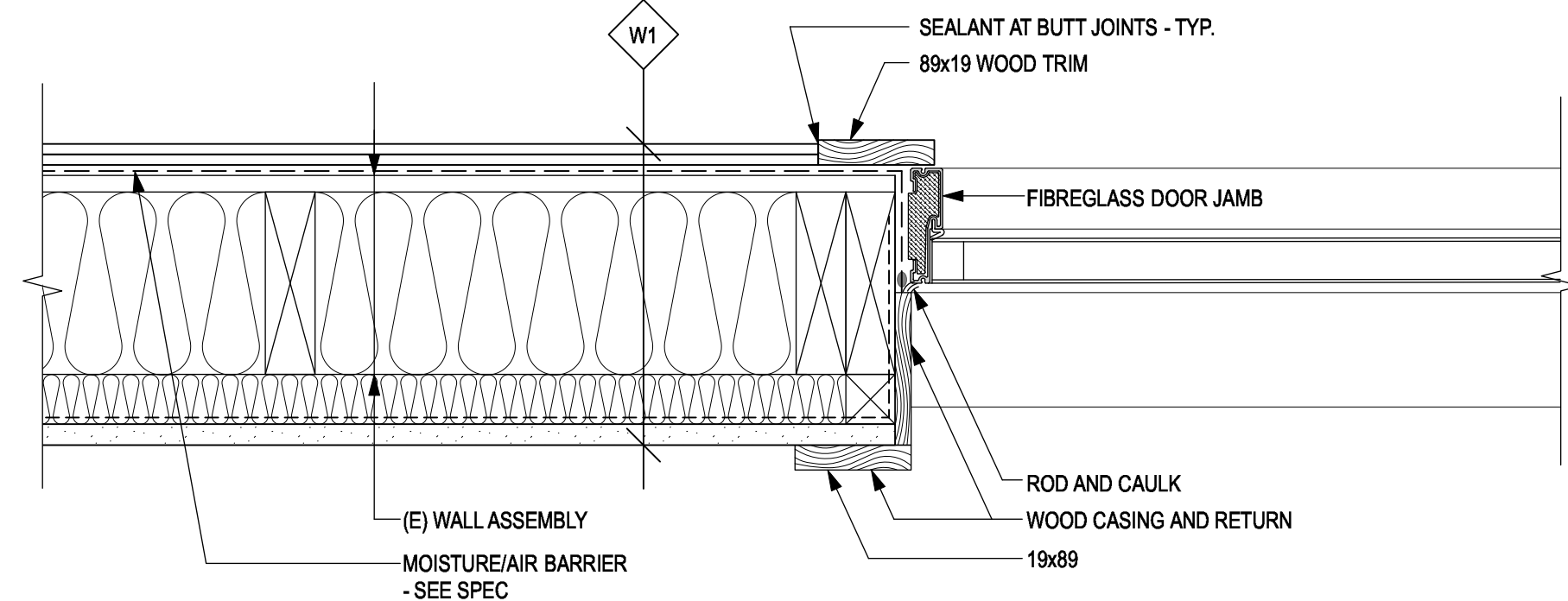
11 EXTERIOR DOOR HEAD DETAIL

SCALE: 1:5



10 EXTERIOR DOOR THRESHOLD DETAIL

SCALE: 1:5

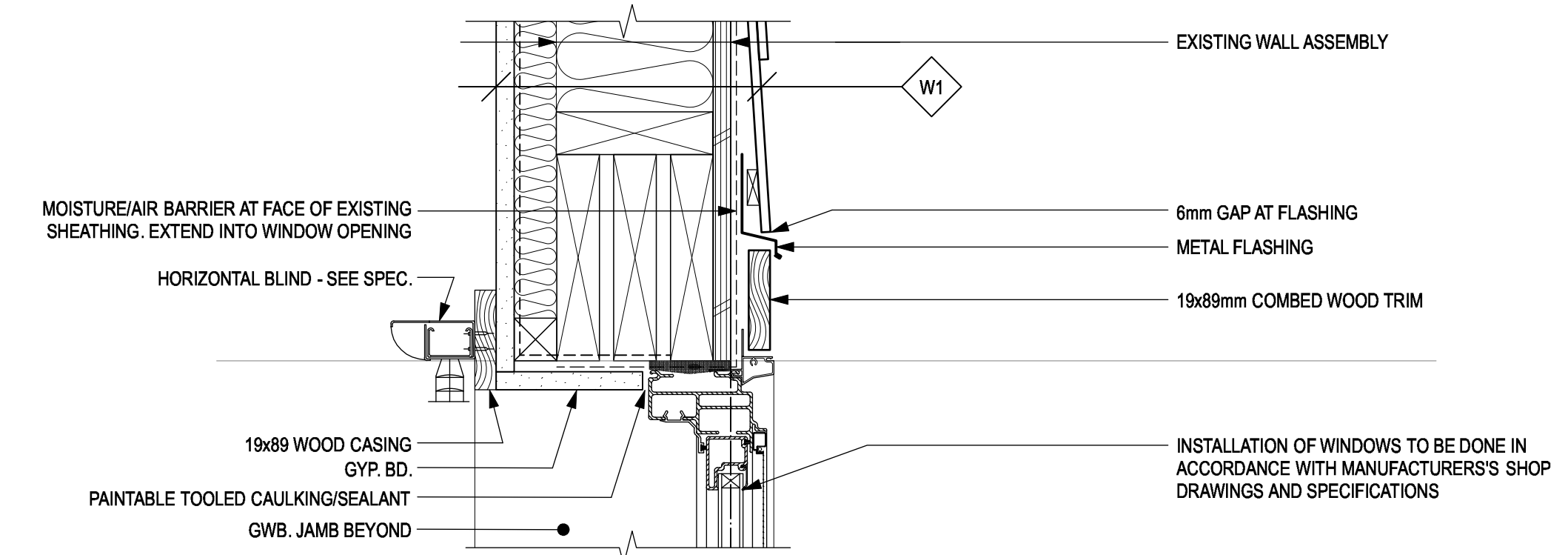


9 EXTERIOR DOOR JAMB DETAIL

SCALE: 1:5

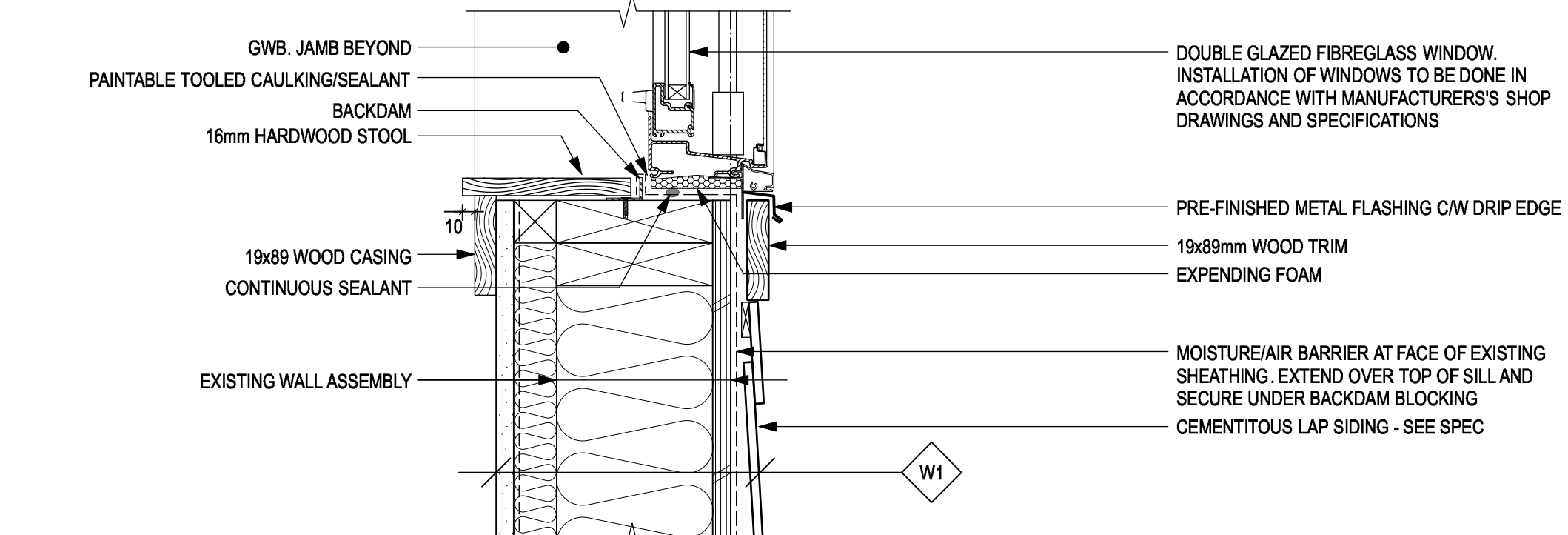
4 SOFFIT DETAIL

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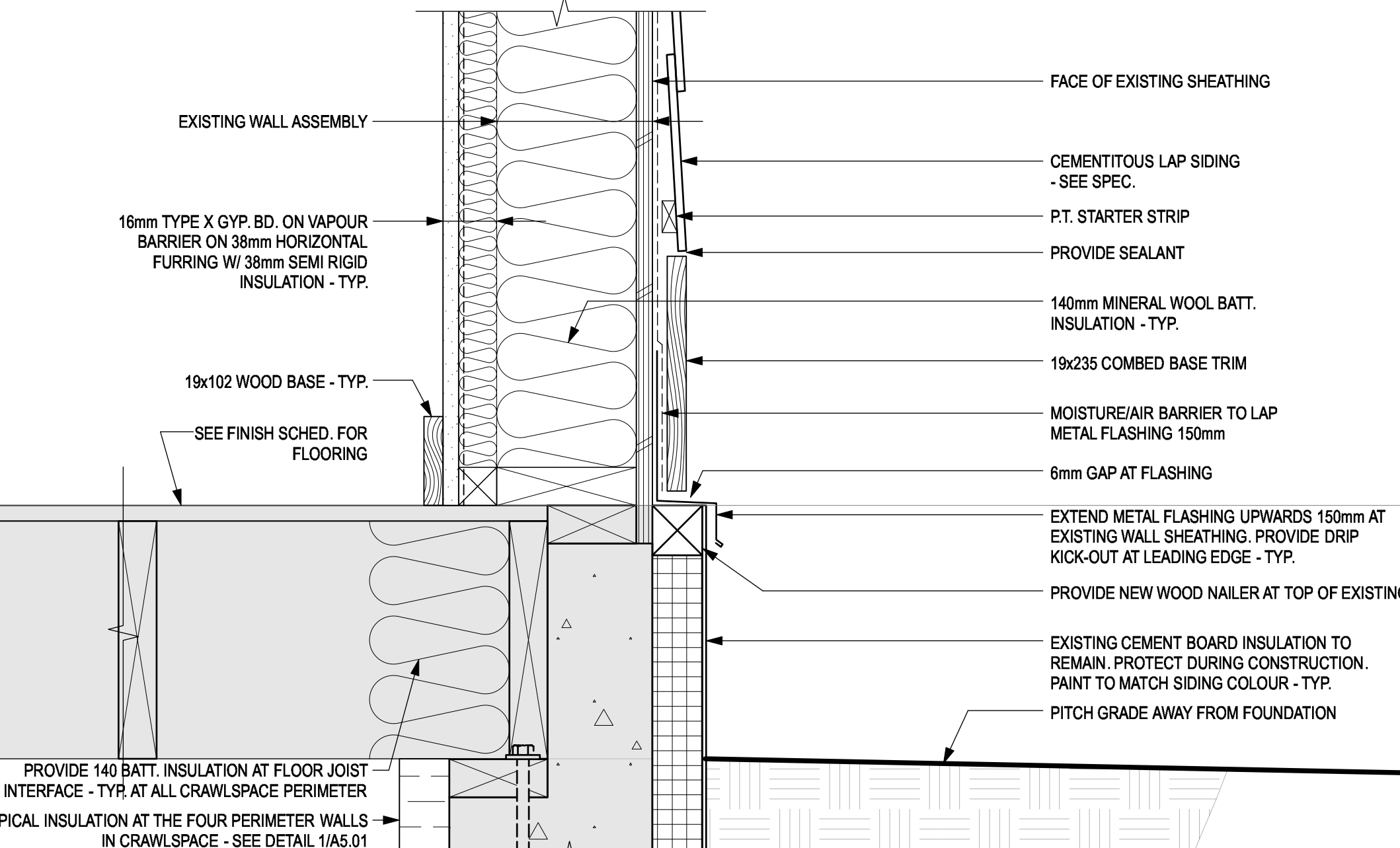
3 TYP. WINDOW HEAD DETAIL

SCALE: 1:5



2 TYP. WINDOW SILL DETAIL

SCALE: 1:5



1 TYP. CLADDING BASE DETAIL

SCALE: 1:5

GENERAL NOTES:

GREY HATCH INDICATES EXISTING STRUCTURE

Revision/Revision	Description/Description	Date/Date
0	ISSUED FOR TENDER	2019 12 09
B	95% REVIEW SUBMISSION	2019 10 25
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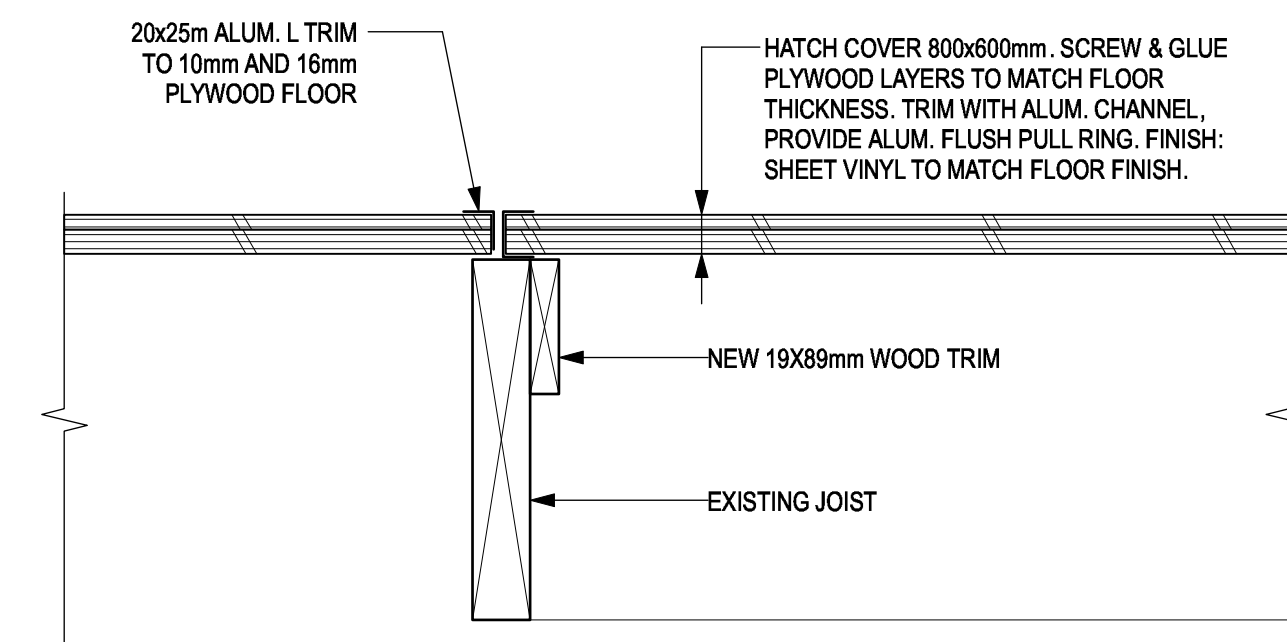
Drawn by/Designe par
CM

PWGSC Project Manager/Administrateur de Projets TPSGC
Philip Fung
PWGSC Regional Manager, Architectural and Engineering Services / Gestionnaire régional, Services d'architecture et de génie, TPSGC
Preetpal Paul

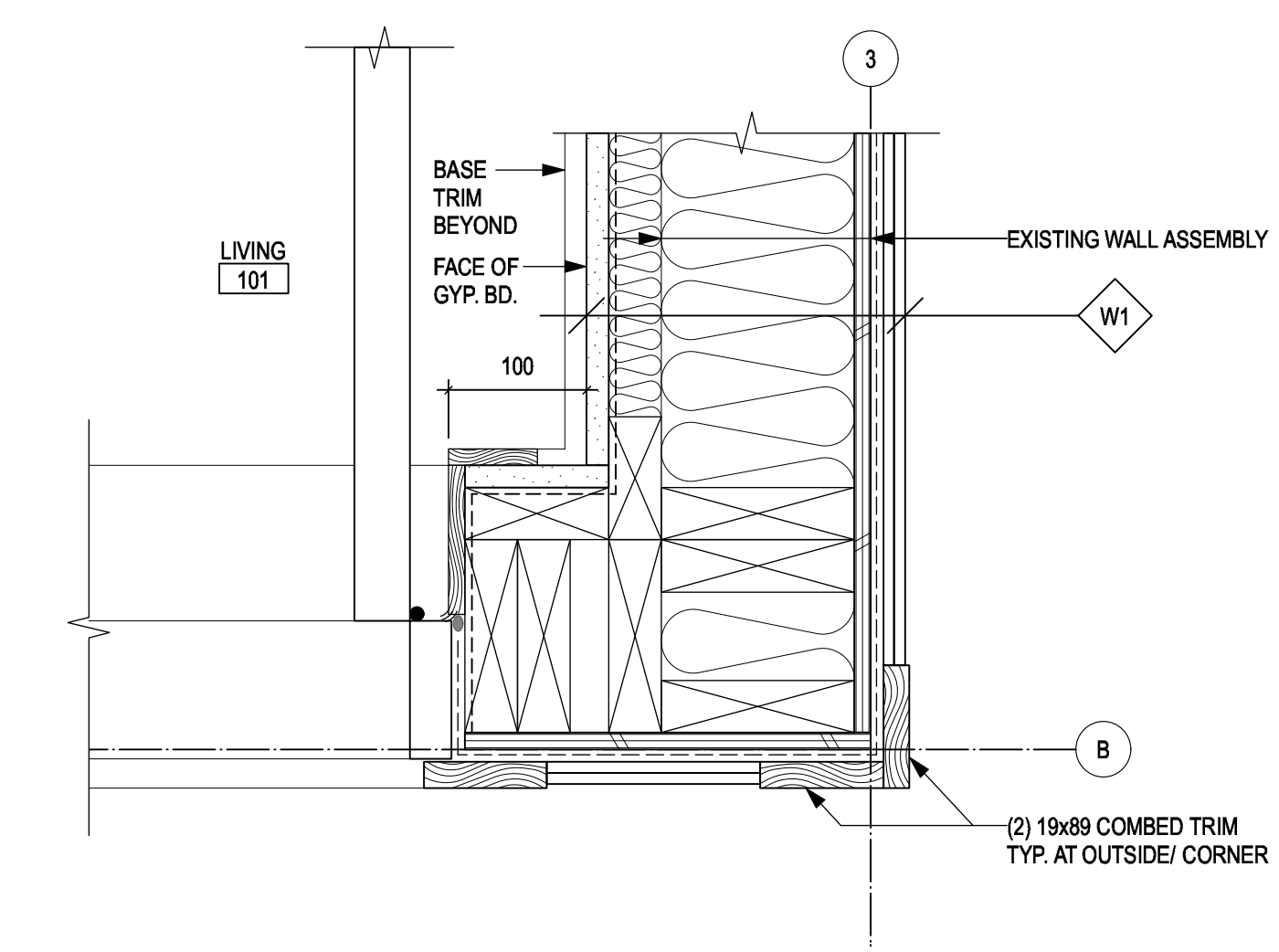
Drawing title/Titre du dessin

DETAILS

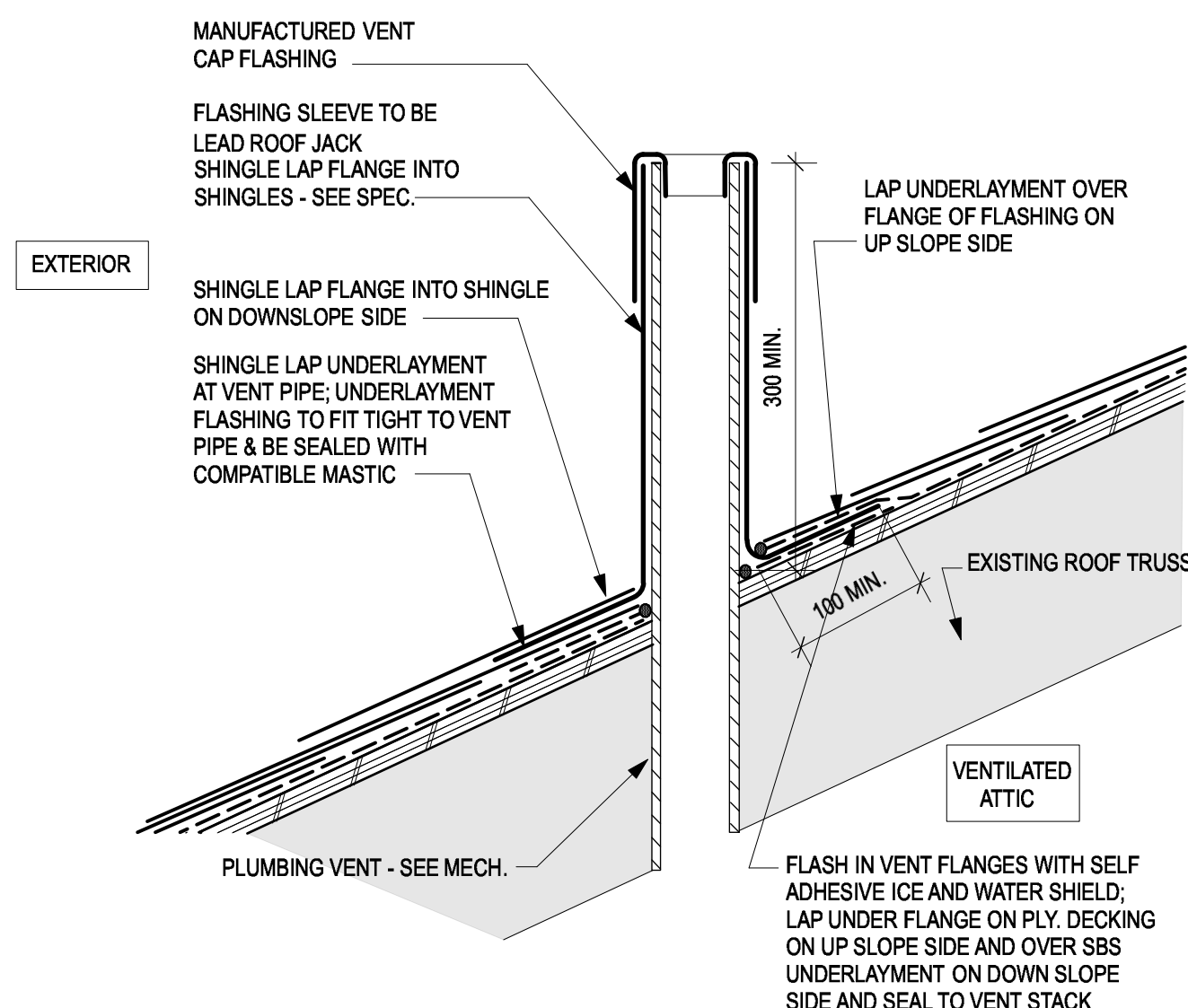
Project No./No. du projet	Sheet/ Feuille	Revision no./ La Révision no.
R.103948.001	A6.01	0



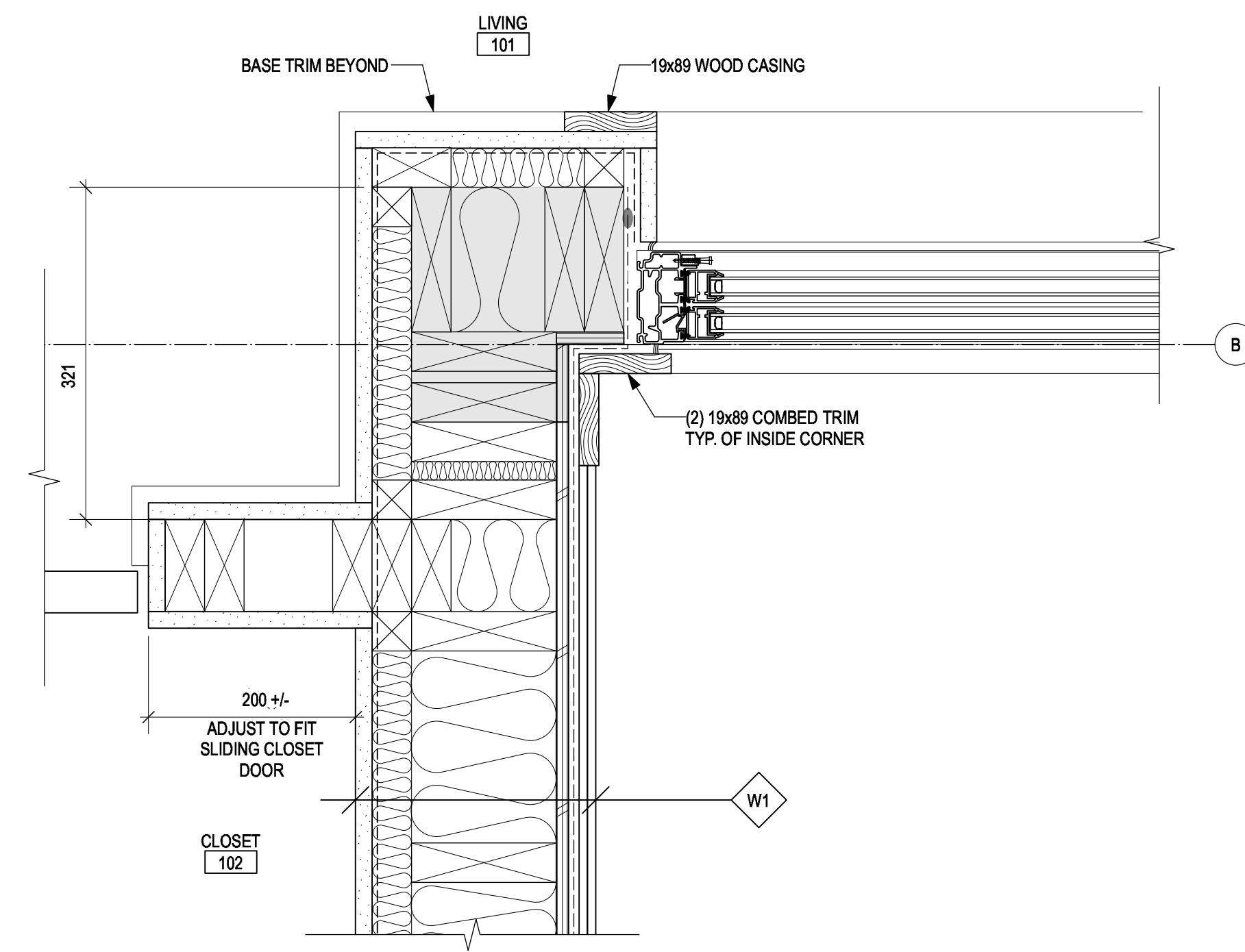
4 FLOOR HATCH DETAIL
A6.02 SCALE: 1:5



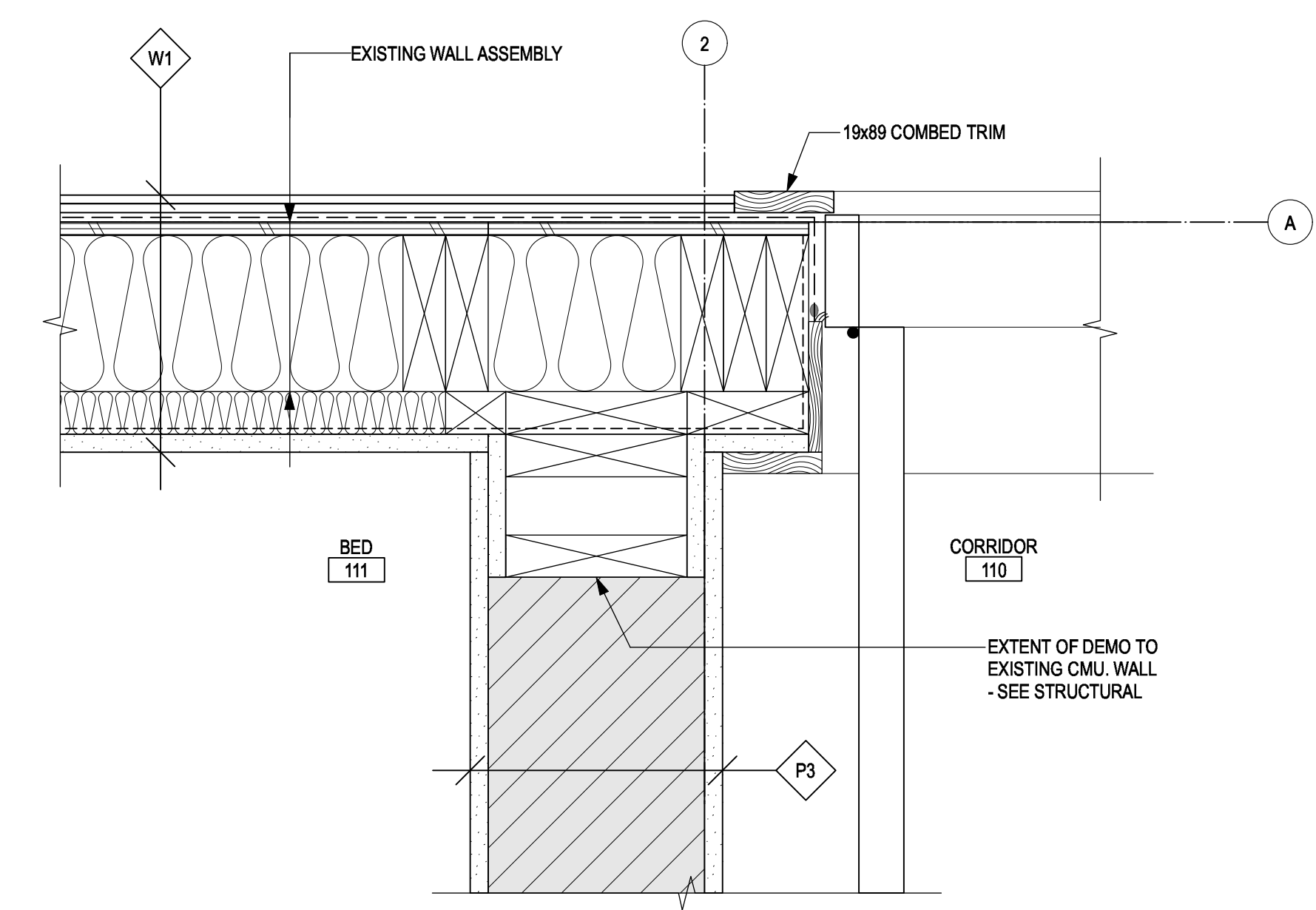
3 DOOR JAMB DETAIL
A6.02 SCALE: 1:5



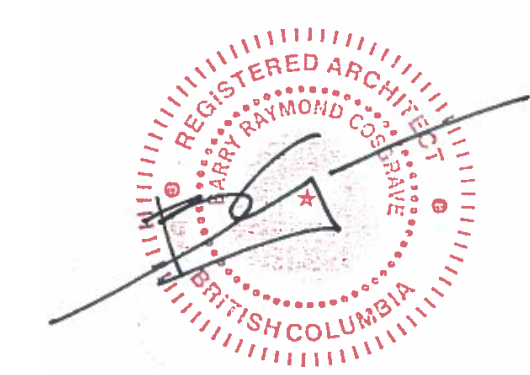
5 ROOF VENT DETAIL
A6.02 SCALE: 1:5



2 CORNER DETAIL
A6.02 SCALE: 1:5



1 DOOR JAMB DETAIL
A6.02 SCALE: 1:5



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RCMP ANAHIM LAKE HOUSING RENOVATIONS

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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
DETAILS

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R.103948.001	A6.02	0



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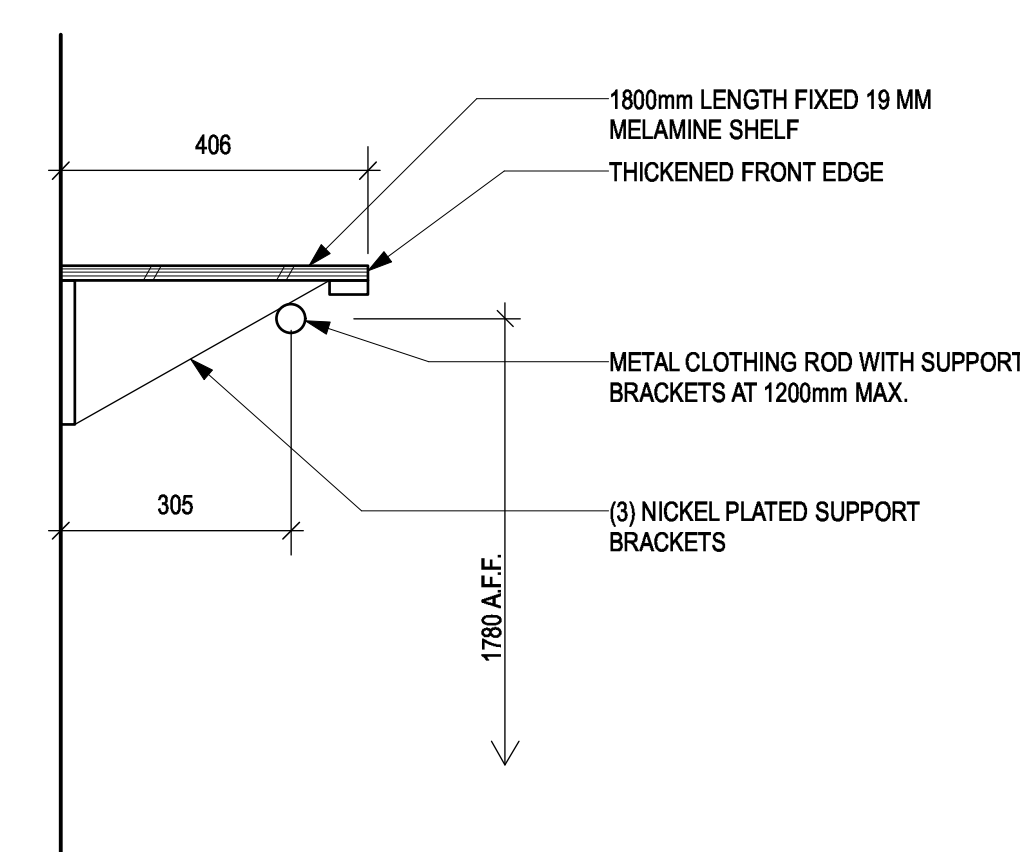
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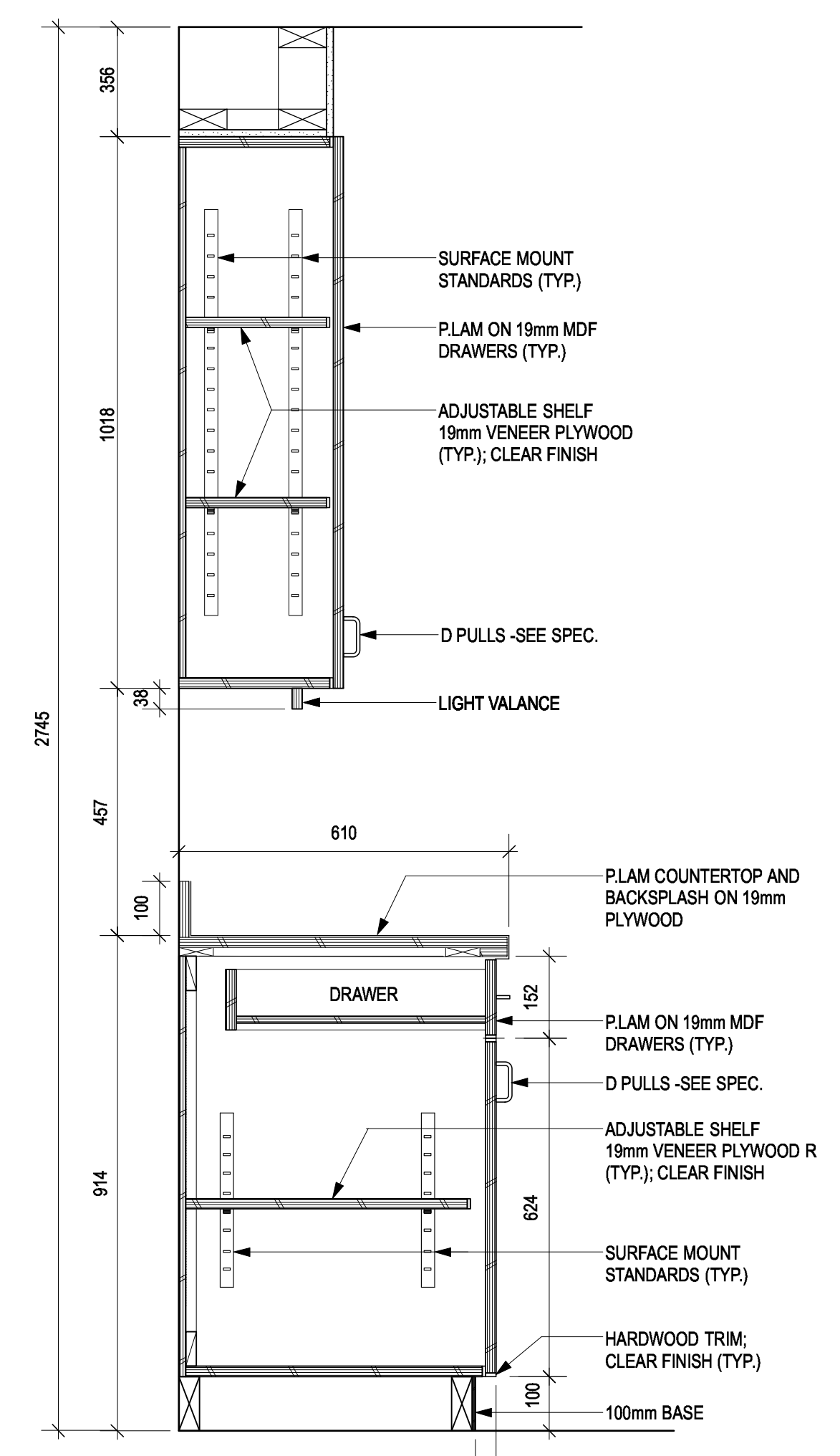
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Philip Fung
PWGSC Regional Manager, Architectural and Engineering Services / Gestionnaire régional, Services d'architecture et de génie, TPSGC
Preetpal Paul

INTERIOR ELEVATIONS

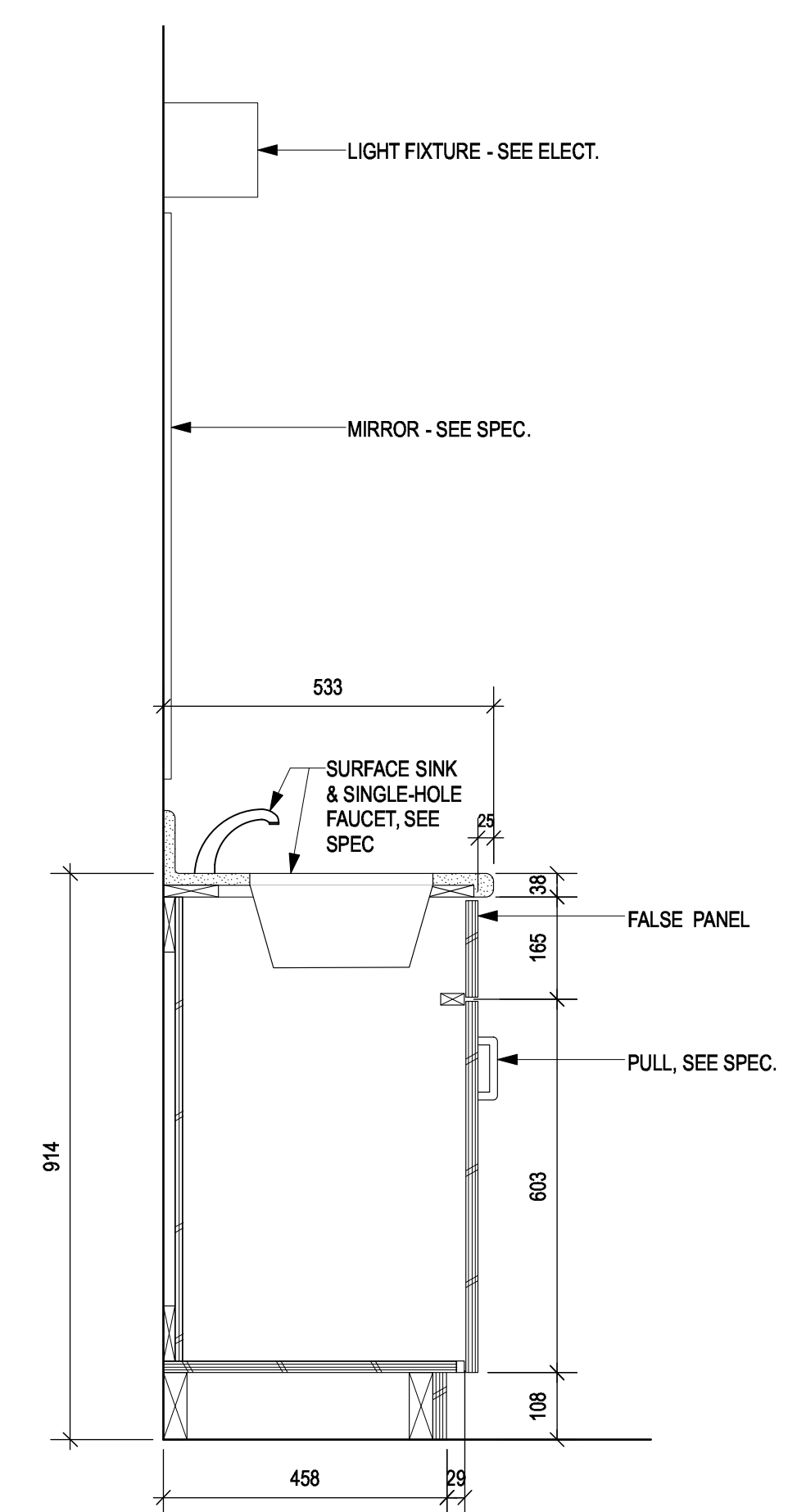
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R.103948.001	A7.01	0



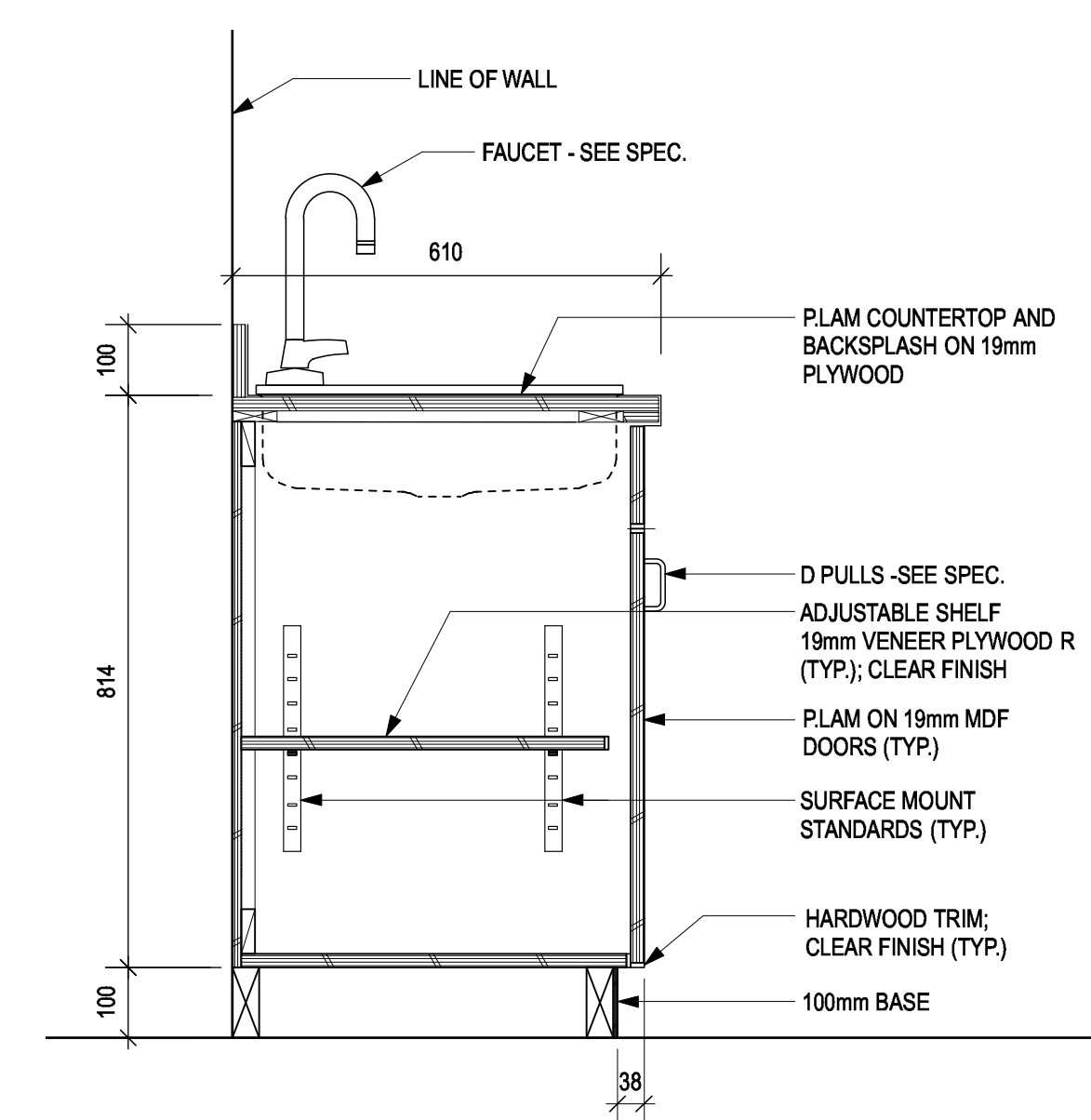
9 COAT HANGER AND SHELF
SCALE: 1:10



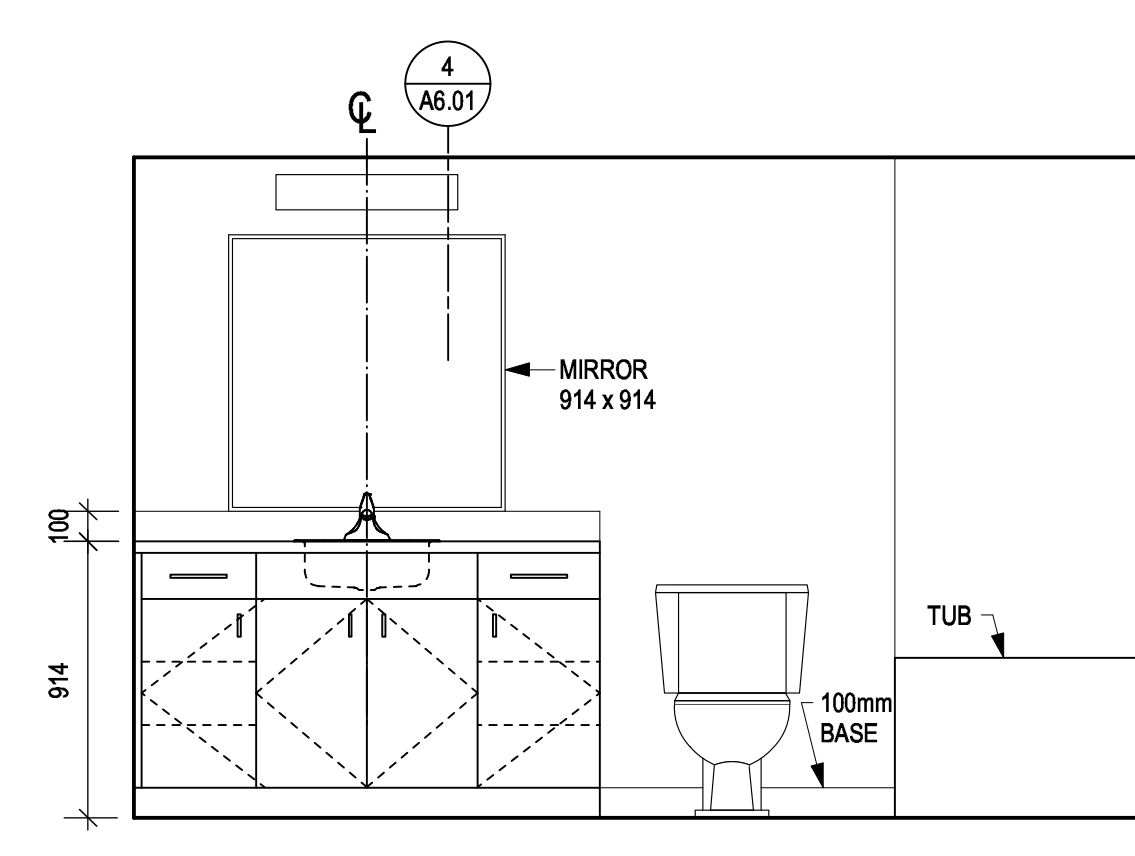
3 TYPICAL COUNTER
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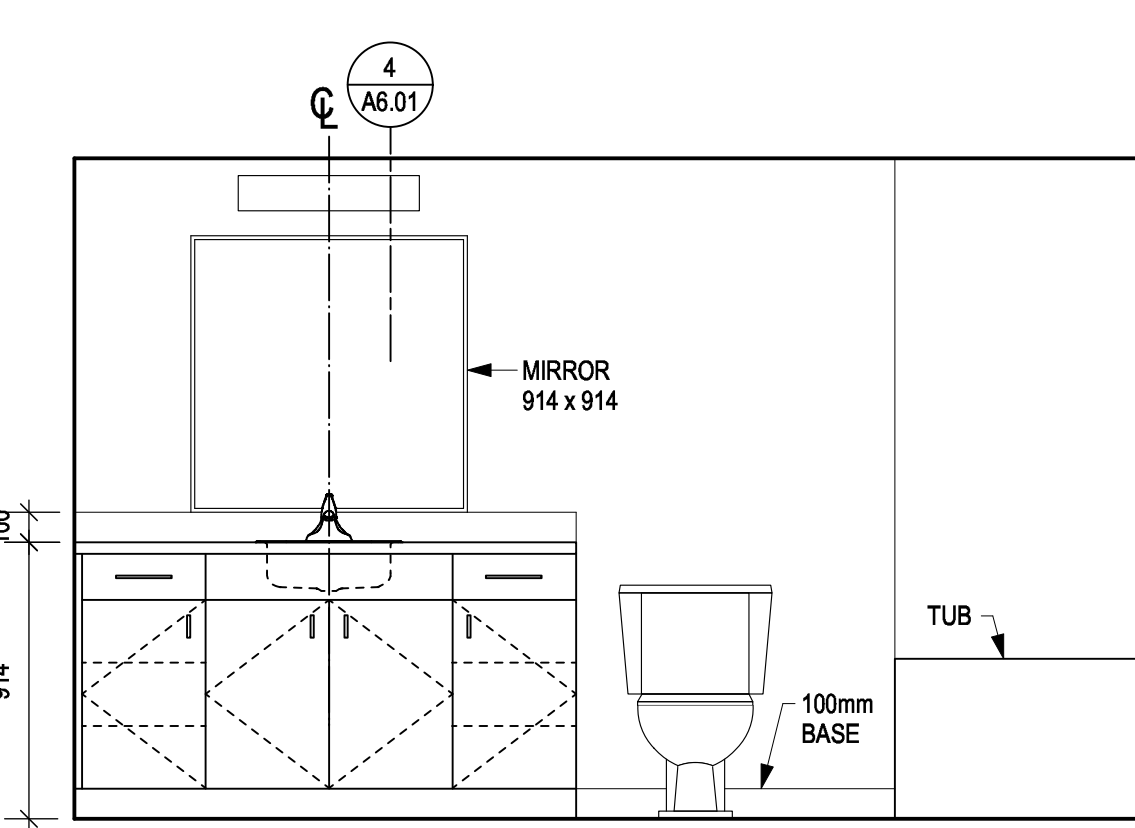
4 BATHROOM COUNTER
SCALE: 1:10



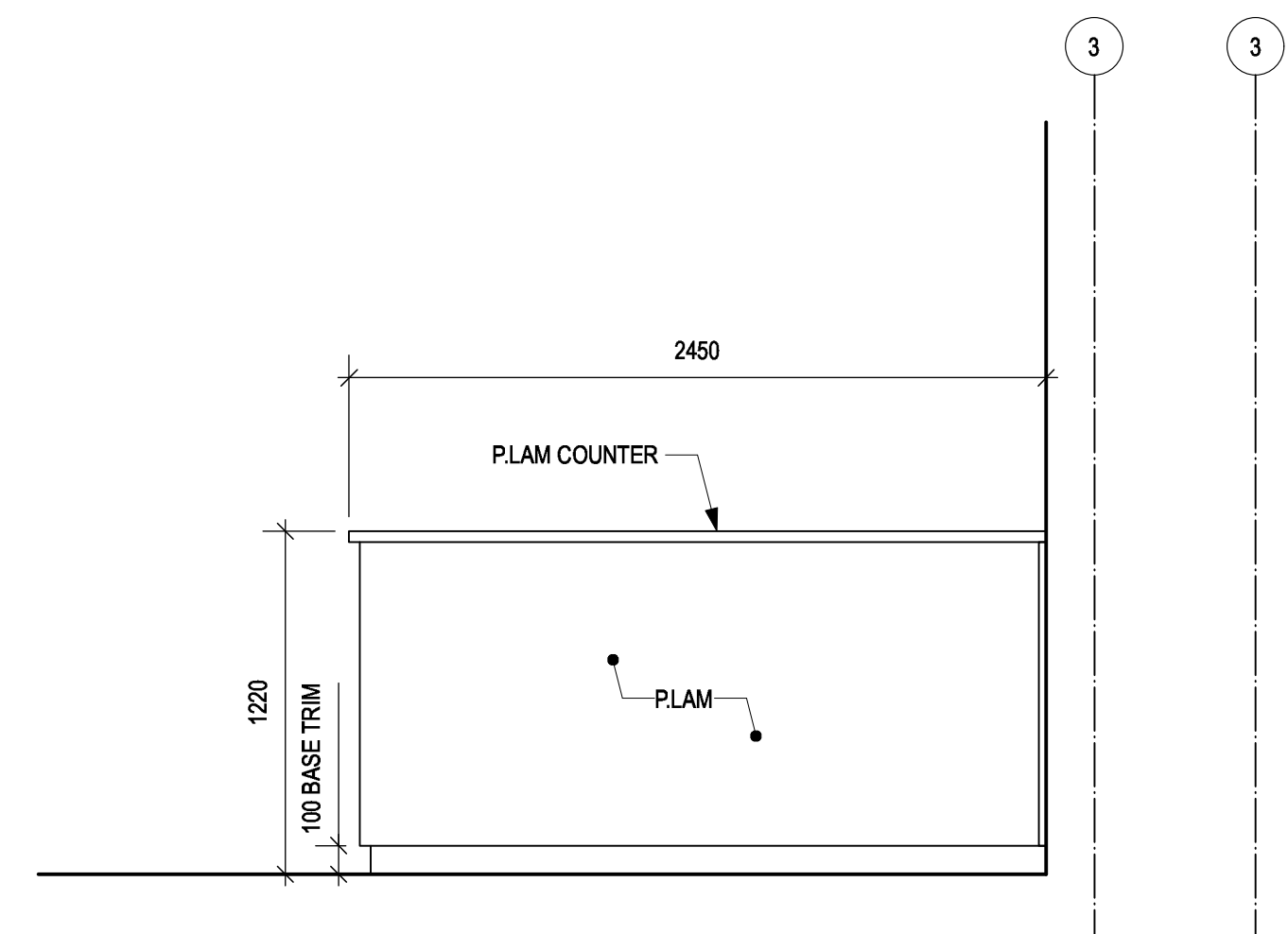
2 TYPICAL COUNTER @ SINK
SCALE: 1:10



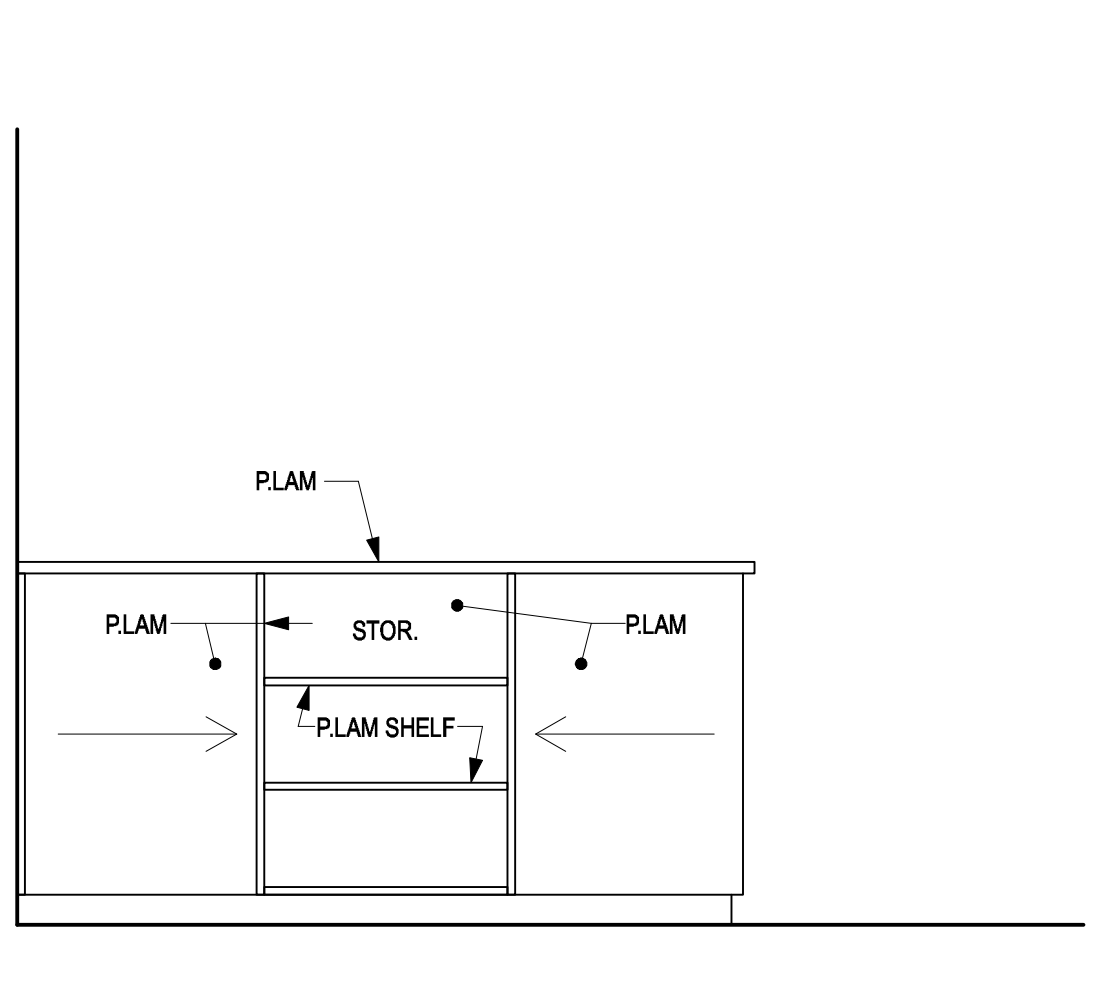
9 ENSUITE 106
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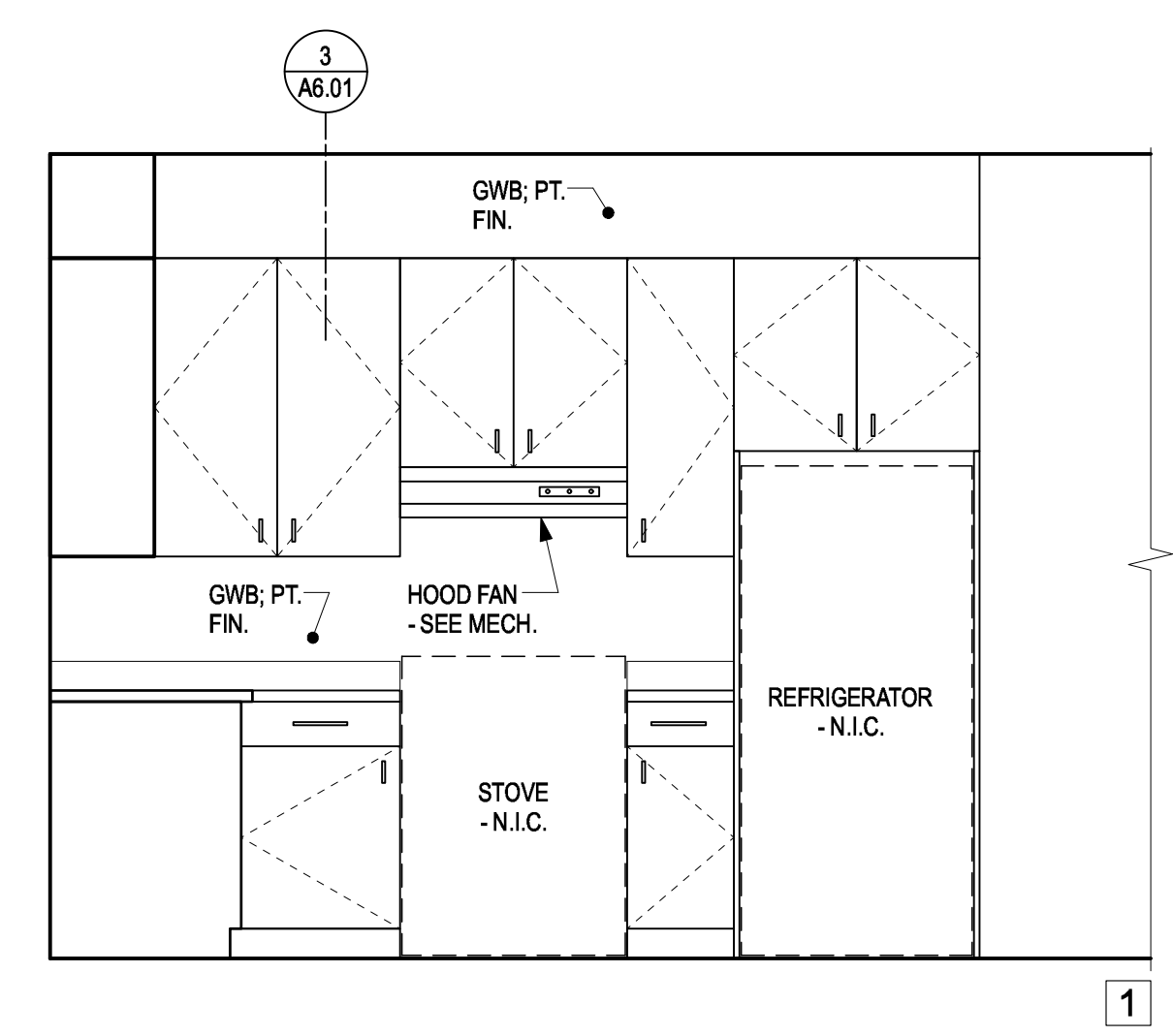
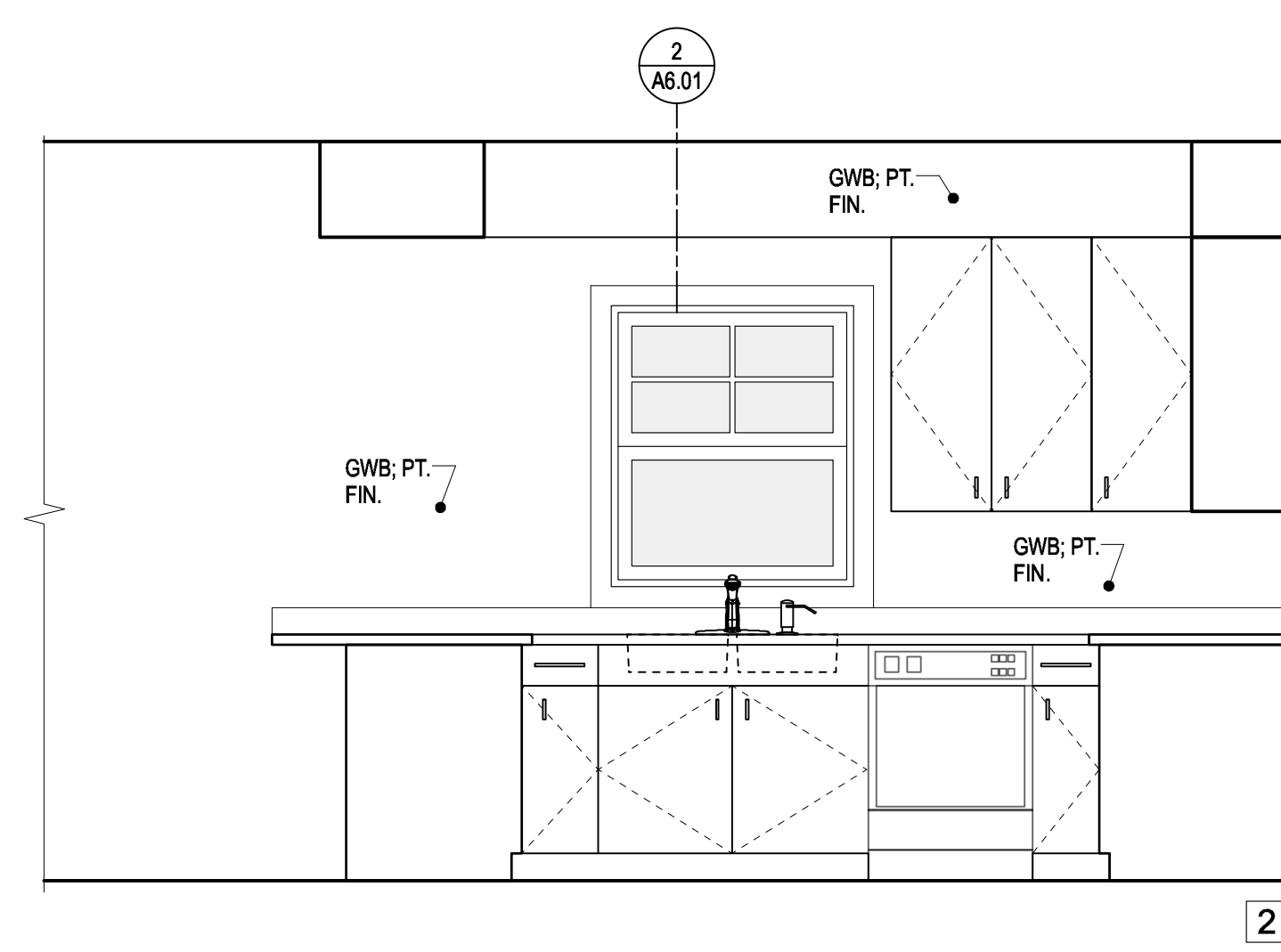
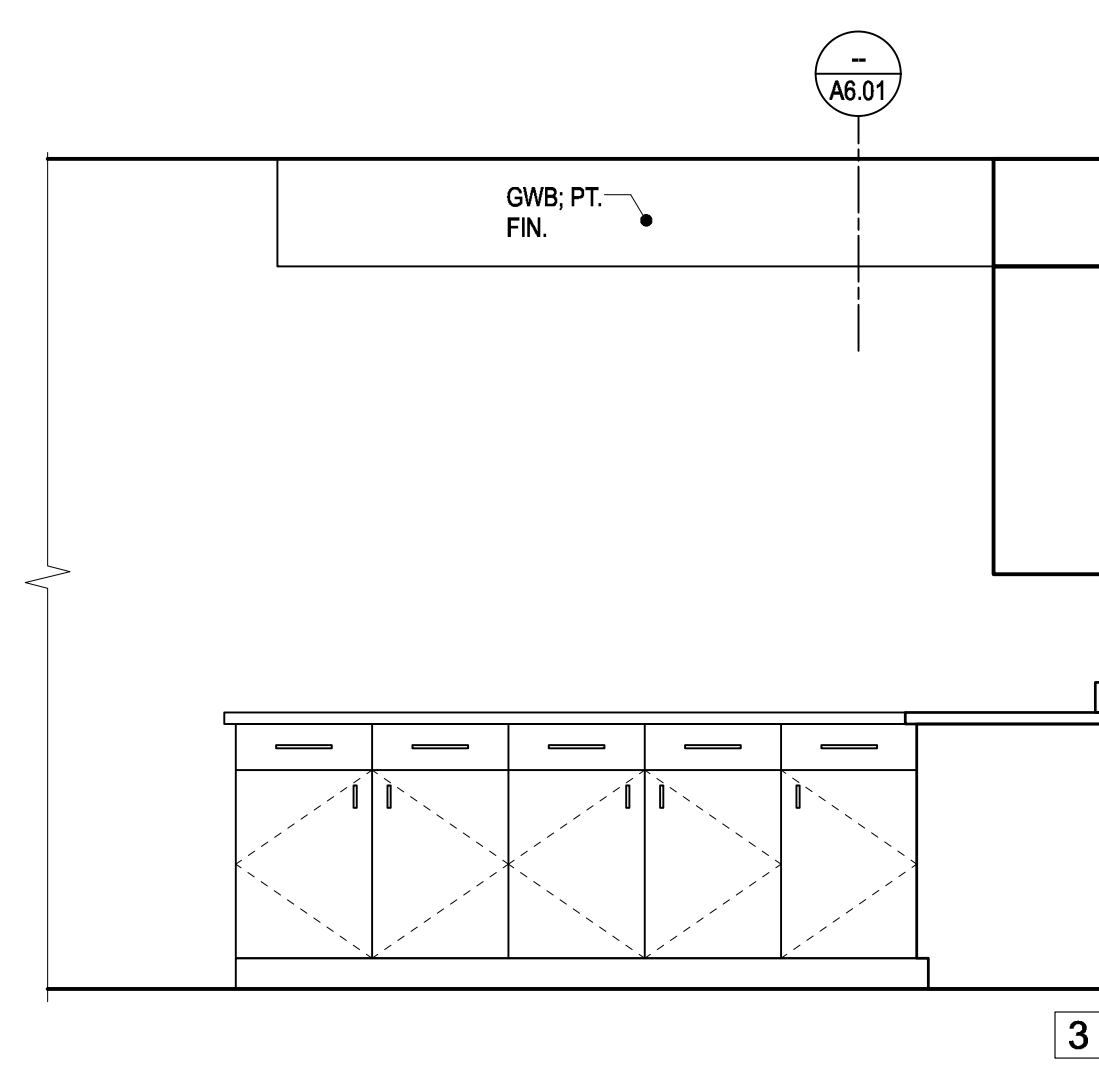
6 BATH 108
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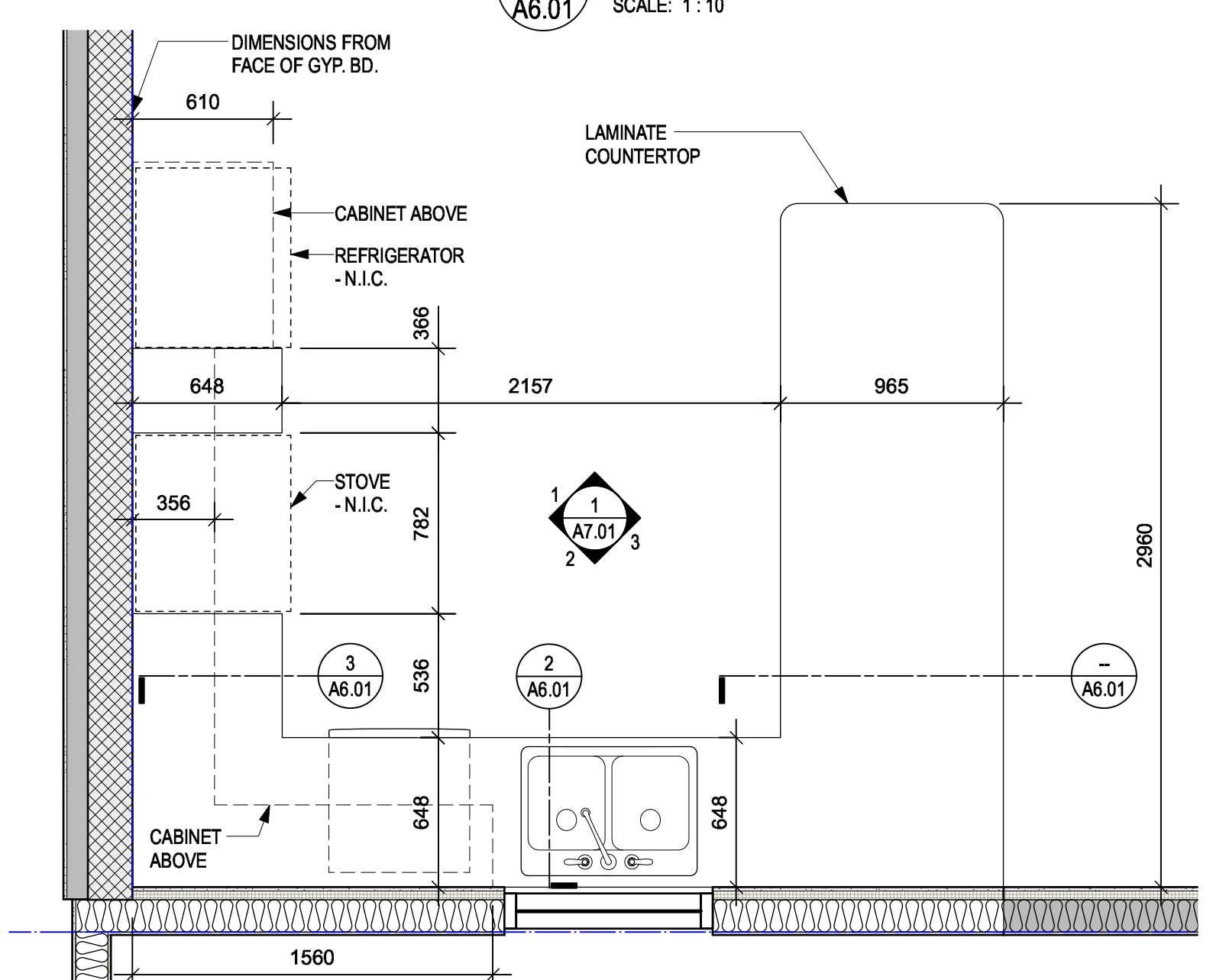
8 CABINET
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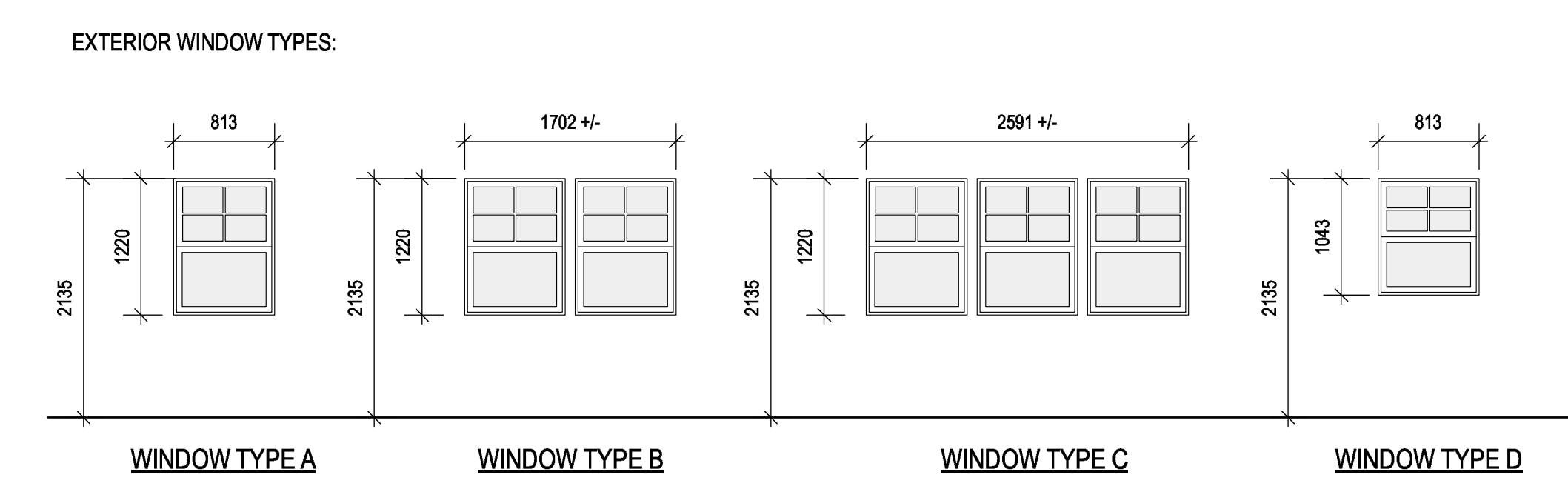
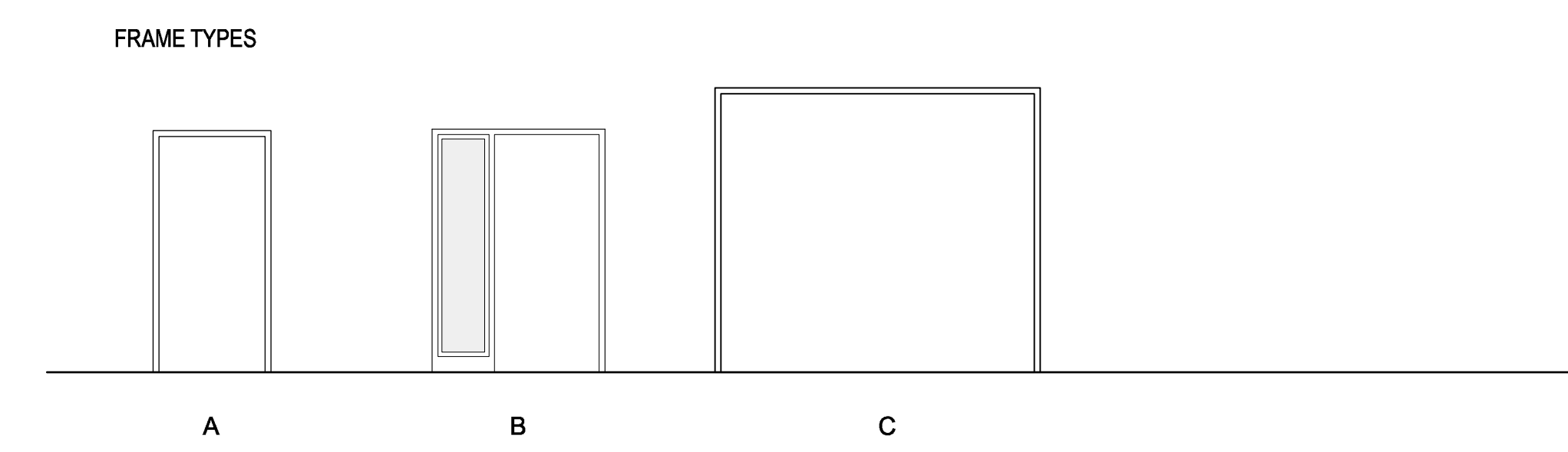
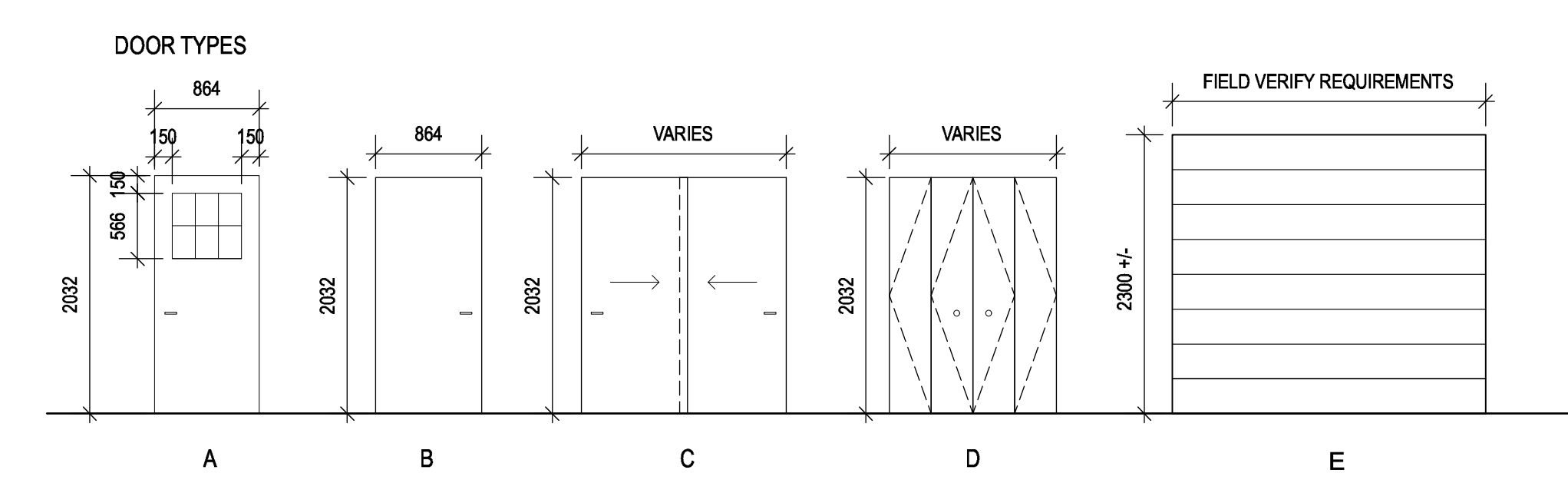
7 CABINET
SCALE: 1:25



5 KITCHEN 104
SCALE: 1:25



1 KITCHEN 104 PLAN
SCALE: 1:25



EXTERIOR WINDOW SCHEDULE							
NUM.	R.O. SIZE (W x H)	TYPE	FRAME MATL.	GLAZING	FINISH	COLOUR	REMARKS
101	813x1043 mm	D	FIBREGLASS	D.G.	T.B.D.	WHITE	
102	1702x1220 mm	B	FIBREGLASS	D.G.	T.B.D.	WHITE	
103	2591x1220 mm	C	FIBREGLASS	D.G.	T.B.D.	WHITE	
104	1702x1220 mm	B	FIBREGLASS	D.G.	T.B.D.	WHITE	
105	813x1220 mm	A	FIBREGLASS	D.G.	T.B.D.	WHITE	
106	1702x1220 mm	B	FIBREGLASS	D.G.	T.B.D.	WHITE	
107	1702x1220 mm	B	FIBREGLASS	D.G.	T.B.D.	WHITE	
108	813x1220 mm	A	FIBREGLASS	D.G.	T.B.D.	WHITE	
109	813x1220 mm	A	FIBREGLASS	D.G.	T.B.D.	WHITE	

DOOR SCHEDULE													REMARKS			
OPENING		DOOR				FRAME										
NUM.	FROM	TO	SIZE (W x H x THICK)	HWDR	TYPE	MATL.	CORE	FINISH	COLOUR	GLAZ.	MATL.	TYPE	FINISH	COLOUR	GLAZ.	
101	LIVING	EXTERIOR	864 x 2030 x 44	1	A	F.G.	INSUL.	PAINT	-	D.G.	F.G.	B	PAINT	-	DG.	KEYED ACCESS
102	LIVING	CLOSET 102	1524 x 2030 x 44	3	C	WD.	-	P.F.	-	-	-	-	-	-	-	BOX TRACK - SEE SPEC.
105	CORRIDOR 107	MASTER BED 105	864 x 2030 x 44	2	B	WD.	-	P.F.	-	WD.	A	PAINT	-	-	-	-
105a	MASTER BED 105	CLOSET	2438 x 2030 x 44	3	C	WD.	-	P.F.	-	-	-	-	-	-	-	BOX TRACK - SEE SPEC.
106	MASTER BED 105	ENSUITE 106	864 x 2030 x 44	2	B	WD.	-	P.F.	-	WD.	A	PAINT	-	-	-	-
107a	CORRIDOR 107	CLOSET	1219 x 2030 x 44	4	D	WD.	-	PAINT	-	-	-	-	-	-	-	STEEL TRACK - SEE SPEC.
107b	CORRIDOR 107	LAUNDRY	1016 x 2030 x 44	4	D	WD.	-	PAINT	-	-	-	-	-	-	-	STEEL TRACK - SEE SPEC.
108	CORRIDOR 107	BATH 108	864 x 2030 x 44	2	B	WD.	-	P.F.	-	WD.	A	PAINT	-	-	-	-
109	CORRIDOR 107	BATH 108	864 x 2030 x 44	2	B	WD.	-	P.F.	-	WD.	A	PAINT	-	-	-	-
109a	BED 2	CLOSET	2438 x 2030 x 44	3	C	WD.	-	P.F.	-	WD.	A	PAINT	-	-	-	BOX TRACK - SEE SPEC.
110	CORRIDOR 110	EXTERIOR	864 x 2030 x 44	1	A	F.G.	INSUL.	PAINT	-	D.G.	F.G.	A	PAINT	-	DG.	KEY ACCESS
110a	CORRIDOR 107	CORRIDOR 110	864 x 2030 x 44	2	B	WD.	-	P.F.	-	WD.	A	PAINT	-	-	-	-
111	CORRIDOR 107	BED 111	864 x 2030 x 44	2	B	WD.	-	P.F.	-	WD.	A	PAINT	-	-	-	-
111a	BED 111	CLOSET	1629 x 2030 x 44	3	C	WD.	-	P.F.	-	-	-	-	-	-	-	-
112	BED 111	MECH. 112	762 x 2030 x 44	2	B	WD.	-	P.F.	-	WD.	A	PAINT	-	-	-	-
113	KITCHEN 104	GARAGE 113	864 x 2030 x 44	1	B	F.G.	-	PAINT	-	F.G.	A	PAINT	-	-	-	-
114	EXTERIOR	GARAGE 113	2700+/- x 2300+/-	E	E	INSUL.	INSUL.	PAINT	-	-	-	-	-	-	-	FIELD VERIFY EXISTING OPENING

F.G. = FIBREGLASS
WD. = WOOD
P.F. = PRE-FINISHED
T.B.D. = FROM MANUFACTURERS STANDARD RANGE

FINISH SCHEDULE																						
NUM.	ROOM NAME	FLOOR		BASE		CEILING			NORTH WALL			EAST WALL			SOUTH WALL			WEST WALL			REMARKS	
		FINISH	COLOUR	MATERIAL	SIZE	COLOUR	MATERIAL	FINISH	COLOUR	MATERIAL	FINISH	COLOUR	MATERIAL	FINISH	COLOUR	MATERIAL	FINISH	COLOUR	MATERIAL	FINISH		COLOUR
101	LIVING	VINYL PLANK	T.B.D.	T.B.D.	100mm	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	-
102	CLOSET	VINYL PLANK	T.B.D.	T.B.D.	100mm	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	-
103	DINING	VINYL PLANK	T.B.D.	T.B.D.	100mm	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	-	-	T.B.D.	G.W.B.	PAINT	T.B.D.	-	-	T.B.D.	-
104	KITCHEN	VINYL PLANK	T.B.D.	T.B.D.	100mm	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	-	-	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	-
105	MASTER BED	VINYL PLANK	T.B.D.	T.B.D.	100mm	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	-
106	ENSUITE	SHEET PLANK	T.B.D.	T.B.D.	100mm	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	PROVIDE TRANSITION STRIPS AS PER 11
107	CORRIDOR	SHEET PLANK	T.B.D.	T.B.D.	100mm	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	PROVIDE TRANSITION STRIPS AS PER 11
108	BATH	SHEET PLANK	T.B.D.	T.B.D.	100mm	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	PROVIDE TRANSITION STRIPS AS PER 11
109	BED 2	VINYL PLANK	T.B.D.	T.B.D.	100mm	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	-
110	CORRIDOR	VINYL PLANK	T.B.D.	T.B.D.	100mm	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	-
111	BEDROOM	VINYL PLANK	T.B.D.	T.B.D.	100mm	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	-
112	MECH.	VINYL PLANK	T.B.D.	T.B.D.	100mm	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	-
113	GARAGE	CONC.	T.B.D.	T.B.D.	100mm	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	G.W.B.	PAINT	T.B.D.	-



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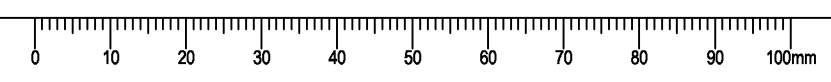
Project title/Titre du projet
RCMP ANAHIM LAKE HOUSING RENOVATIONS

Consultant Signature Box Only
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SCHEDULES

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GENERAL

- THIS IS A METRIC PROJECT. UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE IN MILLIMETERS AND ALL FORCES ARE IN METRIC UNITS.
- PRIOR TO CONSTRUCTION, REVIEW STRUCTURAL DRAWINGS IN CONJUNCTION WITH DRAWINGS PROVIDED BY ALL OTHER CONSULTANTS. CONFIRM ALL DIMENSIONS, ELEVATIONS AND HEADROOM CLEARANCES, AND COORDINATE ALL OPENINGS, SLEEVES AND EMBEDDED ITEMS.
- REPORT ANY DISCREPANCIES OR CONFLICTS BEFORE PROCEEDING WITH THE WORK.
- DO NOT CUT OR DRILL ANY OPENINGS IN STRUCTURAL MEMBERS WITHOUT WRITTEN PERMISSION FROM DEPARTMENTAL REPRESENTATIVE.
- EXISTING STRUCTURAL INFORMATION IS BASED UPON DRAWINGS PREPARED FOR PUBLIC SERVICES AND PROCUREMENT CANADA (PSPC), DATED JANUARY 15, 1983.
- VERIFY EXISTING DIMENSIONS AND CONDITIONS ON SITE PRIOR TO CONSTRUCTION.
- DO NOT USE INFORMATION ON THESE DRAWINGS FOR ANY OTHER PROJECT OR WORKS.
- DO NOT SCALE THESE DRAWINGS.
- UNLESS OTHERWISE NOTED ON DRAWINGS, FOLLOW TYPICAL DETAILS SHOWN ON S2.00 DRAWING SERIES. TYPICAL DETAILS SHOW STRUCTURAL INTENT RATHER THAN ACTUAL CONDITIONS FOR THIS PROJECT. IF A TYPICAL DETAIL INCLUDES A CROSS REFERENCE TO ANOTHER TYPICAL DETAIL WHICH IS NOT INCLUDED IN THE DRAWING SET, THE CROSS-REFERENCED DETAIL IS NOT APPLICABLE ON THIS PROJECT.
- ALL SECTIONS, DETAILS AND STATEMENTS NOTED AS "TYPICAL" APPLY TO LIKE / SIMILAR CONDITIONS IN THE STRUCTURE.
- REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR WATERPROOFING, SEALERS, ETC.
- REFER TO ARCHITECTURAL / CIVIL DRAWINGS AND SPECIFICATIONS FOR ALL SOIL WORKS.
- DRAWINGS SHOW COMPLETED STRUCTURE ONLY. THEY DO NOT SHOW TEMPORARY WORKS FOR WHICH THE CONTRACTOR IS RESPONSIBLE AND WHICH MAY BE REQUIRED FOR EXECUTION OF THE PROJECT, INCLUDING TEMPORARY SHORING, BRACING, GUYS AND TIE DOWNS. THE CONTRACTOR TO ESTABLISH CONSTRUCTION PROCEDURE AND SEQUENCE TO ENSURE SAFETY OF THE WHOLE STRUCTURE AND ALL ITS COMPONENTS DURING ERECTION.
- DESIGN AND CONSTRUCTION REVIEW OF ALL TEMPORARY WORKS TO BE CARRIED OUT BY A PROFESSIONAL ENGINEER RETAINED BY THE CONTRACTOR, LICENSED IN THE PLACE WHERE THE PROJECT IS LOCATED.
- ANCHOR BOLTS AND OTHER EMBEDDED ITEMS ARE DESIGNED FOR LOADS ACTING ON THE COMPLETED STRUCTURE ONLY AND ARE NOT TO BE USED OR RELIED UPON FOR TEMPORARY SUPPORT OR BRACING DURING ERECTION UNLESS REVIEWED AND APPROVED BY THE CONTRACTOR'S ENGINEER RESPONSIBLE FOR THE ERECTION PROCEDURES.
- CONSTRUCTION LOADS ON COMPLETED STRUCTURE NOT TO EXCEED DESIGN LOADS INDICATED ON DRAWINGS.
- UNLESS SHOWN ON STRUCTURAL DRAWINGS, DESIGN OF NON-STRUCTURAL AND SECONDARY STRUCTURAL ELEMENTS AND THEIR CONNECTIONS TO THE PRIMARY BUILDING STRUCTURE ARE NOT WITHIN THE SCOPE OF SERVICES PROVIDED BY DEPARTMENTAL REPRESENTATIVE. SUCH ELEMENTS INCLUDE (BUT ARE NOT LIMITED TO) THE FOLLOWING:
 - MISCELLANEOUS STEEL ELEMENTS: STAIRS, RAILINGS, GUARDRAILS.
 - PARTITIONS
 - BULKHEADS, SUSPENDED CEILINGS, INTERIOR AND EXTERIOR SIGNAGE.
 - EXTERIOR CLADDING: METAL WALL SYSTEMS AND WINDOWS.
 - SUPPORTS FOR MECHANICAL AND ELECTRICAL EQUIPMENT: HANGERS, BRACES, POSTS, RACKS, SLEEPERS, SEISMIC RESTRAINTS, SUPPORT PLATFORMS AND PADS, SERVICE PLATFORMS.
 - SUPPORTS AND SEISMIC RESTRAINTS FOR OTHER EQUIPMENT.
 - LANDSCAPING ELEMENTS: WALLS, CURBS, BENCHES, PLANTERS, WATER FEATURES.
 - LIGHT POLES, FLAG POLES, SIGNS AND THEIR FOUNDATIONS.
- DEPARTMENTAL REPRESENTATIVE WILL NOT REVIEW DESIGN, DETAILING AND INSTALLATION OF THESE ELEMENTS, FOR WHICH SUPPLIERS AND / OR SPECIALTY PROFESSIONAL ENGINEERS ARE RESPONSIBLE; THE ONLY REVIEW PROVIDED (WHERE APPLICABLE) WILL BE FOR IMPACT ON THE BASE BUILDING STRUCTURE.
- MAINTAIN A QUALITY CONTROL PLAN FOR STRUCTURAL WORK, AND MAKE IT AVAILABLE TO THE CONSULTANT UPON REQUEST. AT A MINIMUM, THE PLAN TO INCLUDE:
 - NAMES OF PERSONNEL RESPONSIBLE FOR EXECUTION OF THE PLAN.
 - MEANS AND METHODS FOR CONFIRMING MATERIAL COMPLIANCE WITH SPECIFICATIONS AND ASSOCIATED DOCUMENTATION PROCEDURES.
 - PROGRAM FOR CONFIRMING AND DOCUMENTING COMPLIANCE WITH REQUIRED SUB-TRADE QUALIFICATIONS AND QUALIFICATIONS OF THEIR INDIVIDUAL EMPLOYEES AND SUB-CONTRACTORS.
 - PROCEDURES FOR REVIEWING FIELD COMPLIANCE WITH CONSTRUCTION DOCUMENTS, INCLUDING DOCUMENTATION OF LOCATIONS REVIEWED, PHOTOGRAPHS TAKEN AND TIMING OF REVIEW. THE CONTRACTOR'S REVIEW TO BE COMPLETED PRIOR TO REVIEW BY THE CONSULTANT.
 - PROCEDURES FOR RECTIFYING DEFICIENCIES NOTED BY THE CONTRACTOR, SUB-CONTRACTORS, CONSULTANTS AND INDEPENDENT INSPECTION AGENCIES.
- FOR INSPECTION AND TESTING REQUIREMENTS, REFER TO SPECIFICATIONS.
- IN CASE OF DISCREPANCY BETWEEN GENERAL NOTES, DRAWINGS AND SPECIFICATIONS, COMPLY WITH THE MOST STRINGENT REQUIREMENTS.

FIELD REVIEW

- DEPARTMENTAL REPRESENTATIVE WILL PROVIDE PERIODIC FIELD REVIEW OF A REPRESENTATIVE SAMPLE OF THE STRUCTURAL WORKS DETAILED ON THESE DRAWINGS FOR GENERAL CONFORMANCE WITH CONTRACT DOCUMENTS. THESE REVIEWS DO NOT REPLACE THE CONTRACTOR'S RESPONSIBILITY TO IMPLEMENT AND MAINTAIN A QUALITY CONTROL PROGRAM, AND DO NOT MAKE DEPARTMENTAL REPRESENTATIVE A GUARANTOR OF THE CONTRACTOR'S WORK.
- CONSTRUCTION REVIEW REPORTS WILL OUTLINE ANY DEFICIENCIES FOUND.
- ASSIST DEPARTMENTAL REPRESENTATIVE DURING FIELD REVIEW, AND PROVIDE SAFE ACCESS TO WORK AREAS AS REQUIRED.
- CHECK THE WORK PRIOR TO FIELD REVIEW TO CONFIRM IT IS COMPLETED AND IN ACCORDANCE WITH CONTRACT DOCUMENTS.
- BRING TO THE ATTENTION OF DEPARTMENTAL REPRESENTATIVE ANY DEFICIENCIES FOUND IN THE WORK TOGETHER WITH A PROPOSAL FOR REMEDY. DEPARTMENTAL REPRESENTATIVE WILL DECIDE WHAT CORRECTIVE ACTION MAY BE TAKEN AND ISSUE THE NECESSARY INSTRUCTIONS.
- PROVIDE REASONABLE NOTICE TO ALLOW FOR THE FIELD REVIEW OF THE FOLLOWING:
 - WOOD FRAMING: BEFORE COVERING UP
 - CONCRETE: BEFORE EACH POUR
- SCHEDULE REVIEW WORK TO OCCUR DURING NORMAL BUSINESS HOURS.

DESIGN DATA

- STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE 2015 NATIONAL BUILDING CODE (NBC), SUPPLEMENTED BY THE USER'S GUIDE - NBC 2015 STRUCTURAL COMMENTARIES.
- STEEL ELEMENTS ARE DESIGNED PER CSA S16-14 - LIMIT STATE DESIGN OF STEEL STRUCTURES.
- SAWN LUMBER STRUCTURAL ELEMENTS ARE DESIGNED PER CSA O86-14 - ENGINEERING DESIGN IN WOOD.
- THE VALUES FOR CLIMATIC DATA USED IN THE DETERMINATION OF DESIGN LOADS HAVE BEEN OBTAINED FROM THE 2015 NBC, USING AN AVERAGE OF THE VALUES OBTAINED FOR THE SPECIFIC LOCATIONS OF BELLA COOLA, PRINCE GEORGE, AND WILLIAMS LAKE.
- BASED ON THE USE AND OCCUPANCY, THE BUILDING IS DESIGNED TO THE REQUIREMENTS OF A NORMAL IMPORTANCE CATEGORY.
- SELF WEIGHT (SWT) IS DUE TO THE WEIGHT OF THE STRUCTURE ITSELF. IT VARIES WITH THE STRUCTURAL SYSTEM.
- SUPERIMPOSED DEAD LOADS (SDL) ARE NON-STRUCTURAL DEAD LOADS DUE TO NON-STRUCTURAL TOPPING, FINISHES, PARTITIONS, ROOFING MATERIALS, SUSPENDED EQUIPMENT, PAVERS, SOIL, ETC.
- DEAD LOAD (DL) IS THE SELF WEIGHT OF THE STRUCTURE PLUS THE SUPERIMPOSED DEAD LOAD.
- LIVE LOAD (LL) REDUCTION HAS NOT BEEN USED.
- UNLESS OTHERWISE NOTED, DESIGN LOADS SHOWN ON DRAWINGS ARE SPECIFIED (UNFACTORED) LOADS. TO BE USED FOR ULS DESIGN. FOR SLS DESIGN, THESE LOADS CAN BE REDUCED BY MULTIPLYING WITH THE RATIO OF APPROPRIATE IMPORTANCE FACTORS $\gamma(SLS) / \gamma(ULS)$ GIVEN BELOW.
- IF ONLY ONE VALUE IS GIVEN FOR A LOAD, CONSIDER IT LIVE LOAD.
- SNOW:

$S_s = 3.4 \text{ kPa}$	$S_r = 0.4 \text{ kPa}$	$I_s (ULS) = 1.0$	$I_s (SLS) = 0.9$
MINIMUM UNFACTORED SNOW LOAD = $3.1 \text{ kPa} \times I_s$			
- LATERAL LOADS IN THIS STRUCTURE ARE RESISTED BY SHEAR WALLS, AND ARE DETERMINED BASED ON THE WIND AND SEISMIC DATA BELOW.
- WIND:

$q_{50} = 0.37 \text{ kPa}$	$I_w (ULS) = 1.0$	$I_w (SLS) = 0.75$
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 BUILDING IS: LOW RISE
 TERRAIN TYPE: OPEN
 INTERNAL PRESSURE CATEGORY: 2
 $C_e = 0.9$
 WIND LOAD AT GRADE LEVEL FOR DESIGN OF OVERALL BUILDING LATERAL LOAD RESISTING SYSTEM:
 0.65 kPa
 FACTORED BASE SHEARS & OVERTURNING MOMENTS:
 $V(NS) = 19 \text{ kN}$
 $M(NS) = 63 \text{ kNm}$
 $V(EW) = 16 \text{ kN}$
 $M(EW) = 44 \text{ kNm}$
- SEISMIC:

$S_a(0.2) = 0.129$	$PGA = 0.065$	$I_e \alpha S_a(0.2) = 0.129$
$S_a(0.5) = 0.132$	$R_d = 3.0$ (WOOD), 1.5 (CMU)	
$S_a(1.0) = 0.111$	$R_o = 1.7$ (WOOD), 1.3 (CMU)	SITE CLASSIFICATION = C (ASSUMED)

 $S_a(2.0) = 0.084$ $I_e = 1.0$
 SEISMIC FORCE RESISTING SYSTEM (SFRS):
 - NORTH/SOUTH: NAILED SHEARWALLS (WOOD-BASED PANEL)
 - EAST/WEST: NAILED SHEARWALLS (WOOD-BASED PANEL)
 FACTORED BASE SHEARS & OVERTURNING MOMENTS:
 $V(NS) = 6 \text{ kN}$
 $M(NS) = 18 \text{ kNm}$
 $V(EW) = 7 \text{ kN}$
 $M(EW) = 20 \text{ kNm}$

EXISTING STRUCTURES

- EXISTING CONDITIONS ARE ASSUMED. SURVEY THE EXISTING STRUCTURE AFTER REMOVING FINISHES AND REPORT ANY VARIATIONS TO DEPARTMENTAL REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK.
- DESIGN OF STRUCTURAL WORKS RELATED TO THE EXISTING BUILDING HAS BEEN CARRIED OUT AS FAR AS PRACTICAL, GIVEN LIMITED AVAILABILITY OF THE EXISTING DRAWINGS AND LIMITED RECORDS OF THE STRUCTURAL MODIFICATIONS LIKELY TO HAVE BEEN MADE THROUGH THE LIFE OF THE BUILDING. MODIFICATIONS TO THE PROPOSED STRUCTURAL FRAMING AND / OR DETAILS MAY BE REQUIRED IF EXISTING CONDITIONS ARE FOUND TO BE DIFFERENT FROM THOSE ASSUMED AND SHOWN ON DRAWINGS.
- TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING STRUCTURES DURING DEMOLITION AND NEW CONSTRUCTION.
- DISCONNECT ALL SERVICES IN THE AREAS AFFECTED BY DEMOLITION AND NEW CONSTRUCTION. REROUTE SERVICES AS REQUIRED TO KEEP THE REMAINDER OF THE BUILDING OPERATIONAL.
- SAFELY STORE ALL STRUCTURAL ELEMENTS AND OTHER PRODUCTS WHICH ARE TO BE RE-USED.
- REMOVE FROM SITE ALL OTHER STRUCTURAL ELEMENTS AND PRODUCTS WHICH ARE NOT INDICATED TO BE HANDED OVER TO THE OWNER.
- ALL DEMOLITION, SHORING AND OTHER TEMPORARY WORKS TO BE DESIGNED BY A PROFESSIONAL ENGINEER RETAINED BY THE CONTRACTOR, LICENSED IN THE PLACE WHERE THE PROJECT IS LOCATED. PREPARE DRAWINGS SIGNED AND SEALED BY THAT ENGINEER SHOWING DEMOLITION PROCEDURE AND SEQUENCE AND ALL THE NECESSARY SHORING.
- INSTALL AND AFTERWARDS REMOVE ALL TEMPORARY SHORING AND BRACING REQUIRED TO ENSURE THE INTEGRITY OF THE EXISTING STRUCTURE DURING CONSTRUCTION.
- ASSESS CAPACITY OF THE EXISTING STRUCTURE AND CONSTRUCTION LOADS APPLIED TO IT. PROVIDE ADEQUATE SHORING IF THE LOADS EXCEED THE EXISTING STRUCTURAL CAPACITY.
- MAKE GOOD ALL EXISTING WORK DISTURBED BY THE SHORING OPERATIONS, DEMOLITION, EXCAVATION AND OTHER CONSTRUCTION PROCEDURES.

STRUCTURAL STEEL

- CONFORM TO CSA S16.
- MATERIALS: TO CSA G40.21 UNLESS OTHERWISE NOTED, WITH THE FOLLOWING GRADES:

W SECTIONS, CHANNELS AND ANGLES:	ASTM A992, GRADE 50 (345MPa)
PLATES, BARS:	300W
BOLTS:	ASTM F3125 GRADE A325M
- DO NOT CUT HOLES OR OTHERWISE MODIFY STRUCTURAL MEMBERS ON SITE.
- PROVIDE ALL ERECTION BRACING REQUIRED TO KEEP THE STRUCTURE STABLE AND IN ALIGNMENT DURING CONSTRUCTION.
- ALL EXTERIOR STEEL TO BE HOT-DIPPED GALVANIZED.

CAST-IN-PLACE CONCRETE

- CONCRETE IS SPECIFIED PER ALTERNATIVE 1 - PERFORMANCE SPECIFICATION, AS OUTLINED IN CSA A23.1. THE CONTRACTOR AND THE CONCRETE SUPPLIER TO MEET ALL CERTIFICATION, DOCUMENTATION, AND QUALITY CONTROL REQUIREMENTS.
- CONTRACTOR AND CONCRETE SUPPLIER TO ENSURE THAT PLASTIC AND HARDENED MIX PROPERTIES MEET SITE REQUIREMENTS FOR PLACING, FINISHING AND THE SPECIFIED PERFORMANCE REQUIREMENTS.
- CEMENT TO BE PORTLAND CEMENT TYPE GU UNLESS NOTED OTHERWISE OR REQUIRED BY EXPOSURE CLASS.
- CONCRETE TO BE NORMAL DENSITY (MIN. 2300 kg/m^3) UNLESS NOTED OTHERWISE.
- NOMINAL MAXIMUM SIZE OF COARSE AGGREGATE TO BE 20 (3/4") UNLESS NOTED OTHERWISE.
- UNLESS NOTED OTHERWISE, CONCRETE TO BE IN ACCORDANCE WITH THE FOLLOWING SCHEDULE:

ELEMENT	COMPRESSIVE STRENGTH (MPa) AT 28 DAYS	EXPOSURE CLASS
EXTERIOR SLAB-ON-GRADE	35 MPa	C1
- REFER TO CSA A23.1 FOR THE MAXIMUM WATER/CEMENT RATIO, MINIMUM COMPRESSIVE STRENGTH, AIR CONTENT, CURING REQUIREMENTS, CHLORIDE ION PENETRABILITY AND ALTERNATE CEMENT TYPES TO MEET THE REQUIREMENTS FOR THE NOTED EXPOSURE CLASS.
- DO NOT ADD WATER TO CONCRETE ON SITE.
- CONVEY CONCRETE FROM TRUCK TO FINAL LOCATION BY METHODS WHICH WILL PREVENT SEPARATION OR LOSS OF MATERIAL. MAXIMUM FREE FALL NOT TO EXCEED 1.5m (5'-0"). CONSOLIDATE CONCRETE USING MECHANICAL VIBRATORS.
- PLACE CONCRETE AS CLOSE AS POSSIBLE TO FINAL LOCATION TO AVOID SEGREGATION. VIBRATE ALL CONCRETE.
- PROTECT CONCRETE FROM FREEZING. DO NOT PLACE CONCRETE AGAINST FROZEN GROUND. USE COLD WEATHER CONCRETING METHODS IN ACCORDANCE WITH CSA-A23.1.
- PROTECT CONCRETE FROM EXCESSIVE HEAT AND DRYING. USE HOT WEATHER CONCRETING METHODS IN ACCORDANCE WITH CSA-A23.1.
- SLABS:
 - DO NOT USE STEEL TROWEL TO FINISH AIR-ENTRAINED CONCRETE.

CONCRETE REINFORCEMENT

- REINFORCEMENT TO CONFORM TO CSA G30.18, GRADE 400R OR 400W.
- BARs MARKED CONTINUOUS TO BE TERMINATED IN STANDARD HOOKS AT ENDS AND SPLICED USING CLASS B LAPS. FOR LAP LENGTHS AND DEVELOPMENT LENGTHS, REFER TO DETAILS ON S2.02.
- ALL REBAR HOOKS TO BE STANDARD LENGTH 90° OR 180° HOOKS. REBAR LENGTHS LISTED ON DRAWINGS DO NOT INCLUDE THE HOOK LENGTH.
- PROVIDE ADDITIONAL SUPPORT BARS AS REQUIRED TO ADEQUATELY SUPPORT AND SECURE ALL REINFORCEMENT AND PREVENT MOVEMENT WHEN PLACING CONCRETE.
- PROVIDE SUFFICIENT CHAIRS TO REINFORCING TO MAINTAIN SPECIFIED CONCRETE COVER.
- ALL REINFORCING TO BE CLEAN, FREE OF LOOSE SCALE, OIL, DIRT, RUST, AND ANY OTHER FOREIGN COATING THAT AFFECT BONDING CAPACITY.

WOOD FRAMING

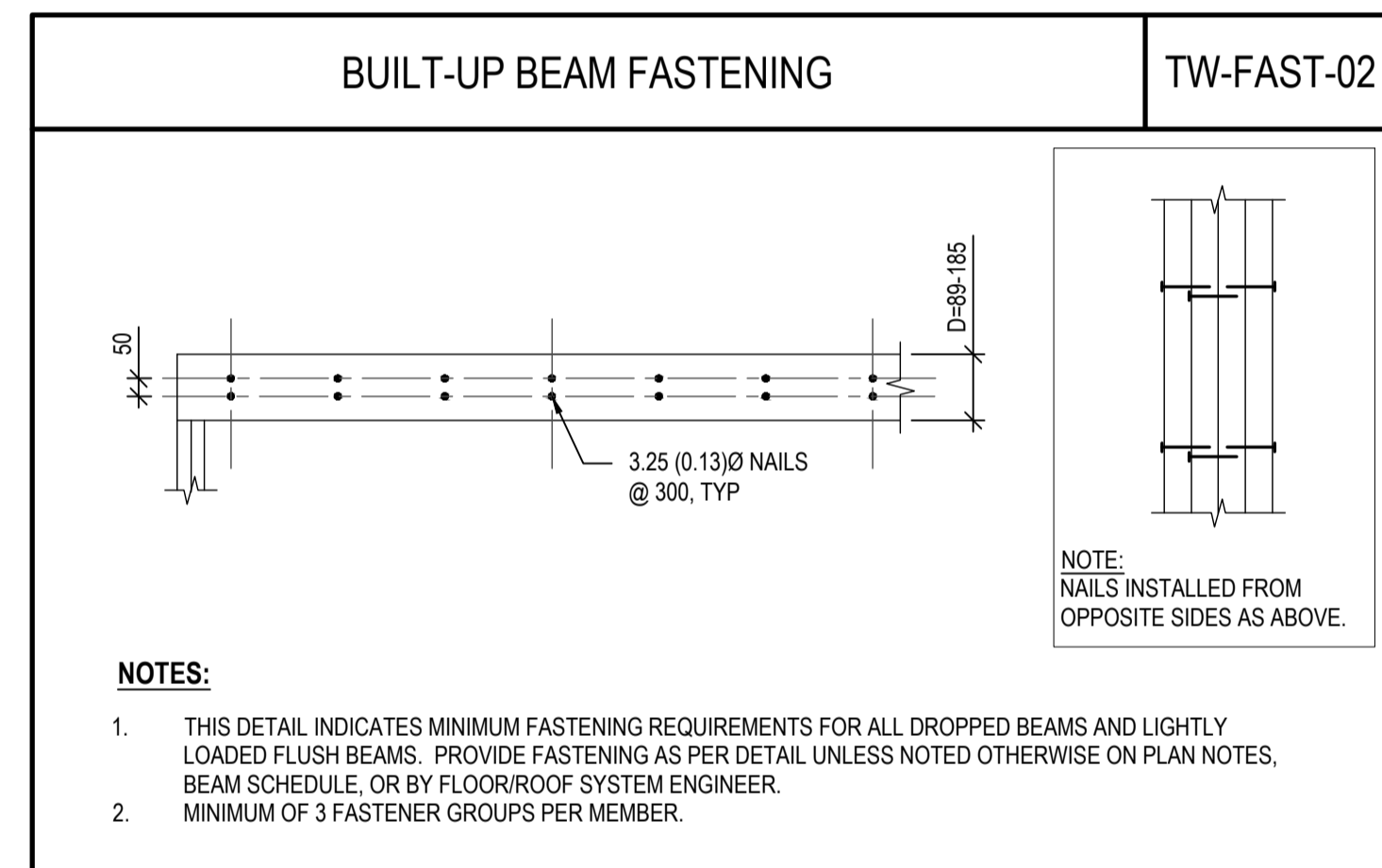
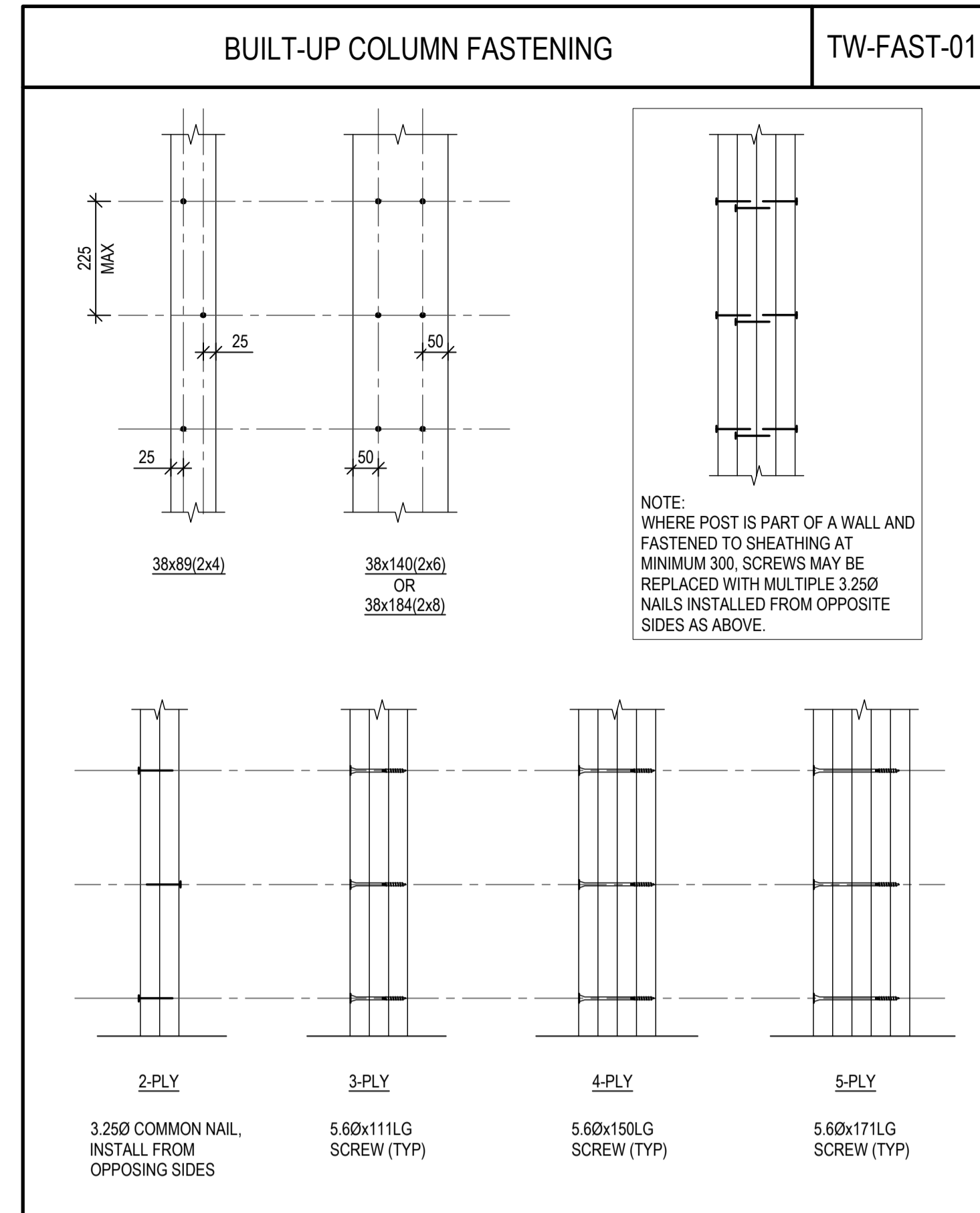
- CONFORM TO CSA O86.
- MATERIALS:

LUMBER: GRADE MARKED TO CONFORM TO CSA O141; KILN DRIED; SPF NO. 2 OR BETTER; MOISTURE CONTENT NOT TO EXCEED 19% AT TIME OF MANUFACTURE AND INSTALLATION, UNLESS NOTED OTHERWISE.

PLYWOOD SHEATHING: TO CSA O151 SOFTWOOD SPRUCE; OR CSA 0121 DOUGLAS FIR

PARALLEL STRAND LUMBER (PSL): MINIMUM GRADE 2.0E, 2900Fb (Fb=37MPa) OR BETTER

NAILS: COMMON ROUND STEEL WIRE NAILS
- UNLESS NOTED OTHERWISE, ALL WOOD FRAMING DETAILS TO BE IN ACCORDANCE WITH PART 9 OF THE REFERENCED BUILDING CODE.
- PROTECT ALL WOOD PRODUCTS FROM THE ELEMENTS AS REQUIRED TO MAINTAIN THEIR INTEGRITY.
- PROVIDE ALL ERECTION BRACING REQUIRED TO KEEP THE STRUCTURE STABLE AND IN ALIGNMENT DURING CONSTRUCTION.
- SUBSTITUTION OF COMMON NAILS WITH POWER DRIVEN NAILS OF THE SAME LENGTH AND DIAMETER IS ACCEPTABLE. SUBSTITUTION OF POWER DRIVEN NAILS OF SMALLER DIAMETER MUST BE APPROVED IN WRITING BY DEPARTMENTAL REPRESENTATIVE PRIOR TO USE. POWER DRIVEN NAILS NOT TO BE OVER-DRIVEN INTO WOOD OR SHEATHING.
- MEMBER SIZES INDICATED ON DRAWINGS ARE A MINIMUM AND ARE TO BE INCREASED AS REQUIRED TO MEET DESIGN FOLLOWING THE ORIGINAL DESIGN INTENT.
- PROPOSED NOTCHING AND DRILLING OF FRAMING MEMBERS MUST BE SUBMITTED TO THE ENGINEER FOR REVIEW. SIGNIFICANT NOTCHES CONFORMING TO PART 9 MAY BE REJECTED IF THEY COMPROMISE THE STRUCTURAL INTEGRITY.
- ALL COMPONENTS OF BUILT UP MEMBERS TO BE CONTINUOUS FOR FULL SPAN. DO NOT SPLICE OR USE BUTT JOINTS.
- UNLESS NOTED OTHERWISE, BUILT-UP TIMBER COLUMNS TO BE FASTENED AS PER TYPICAL DETAIL TW-FAST-01.
- UNLESS NOTED OTHERWISE ON PLAN BUILT-UP BEAMS TO BE FASTENED AS PER TYPICAL DETAIL TW-FAST-02.
- UNTREATED WOOD NOT TO BE IN DIRECT CONTACT WITH CONCRETE OR CMU. PROVIDE FOAM GASKET BETWEEN WOOD AND CONCRETE/CMU, OR USE PRESSURE TREATED WOOD.



NOTES:

- THIS DETAIL INDICATES MINIMUM FASTENING REQUIREMENTS FOR ALL DROPPED BEAMS AND LIGHTLY LOADED FLUSH BEAMS. PROVIDE FASTENING AS PER DETAIL UNLESS NOTED OTHERWISE ON PLAN NOTES, BEAM SCHEDULE, OR BY FLOOR/ROOF SYSTEM ENGINEER.
- MINIMUM OF 3 FASTENER GROUPS PER MEMBER.

ABBREVIATIONS:

BOT	-	BOTTOM
BTWN	-	BETWEEN
CCJ	-	CRACK CONTROL JOINT
CLR	-	CLEAR
CMU	-	CONCRETE MASONRY UNITS
CONC	-	CONCRETE
CONT	-	CONTINUOUS
C/W	-	COMPLETE WITH
DP	-	DEEP
(E)	-	EXISTING
EA	-	EACH
EMBED	-	EMBEDMENT
ES	-	EACH SIDE
EW	-	EACH WAY
GALV	-	GALVANIZED
H1E	-	HOOK ONE END
H2E	-	HOOK BOTH ENDS
HGG	-	HOT DIPPED GALVANIZED
LG	-	LONG
(N)	-	NEW
OC	-	ON CENTER
REINF	-	REINFORCEMENT
REQD	-	REQUIRED
R/W	-	REINFORCE WITH
SOG	-	SLAB ON GRADE
SS	-	STAINLESS STEEL
STAGG	-	STAGGERED
T&B	-	TOP AND BOTTOM
TYP	-	TYPICAL
UN, UNO	-	UNLESS NOTED OTHERWISE

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Revision	Description/Description	Date/Date

Client/Client

RCMP
14200 Green Timbers Way
Surrey, B.C.

**RCMP ANAHIM LAKE
HOUSING RENOVATIONS**

Consultant Signature Box Only

Designed by/Concept par

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Drawn by/Dessiné par

GM

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Drawing title/Titre du dessin

**GENERAL NOTES
AND TYPICAL DETAILS**

Project No./No. du projet	Sheet/ Feuille	Revision no./ La Revision no.
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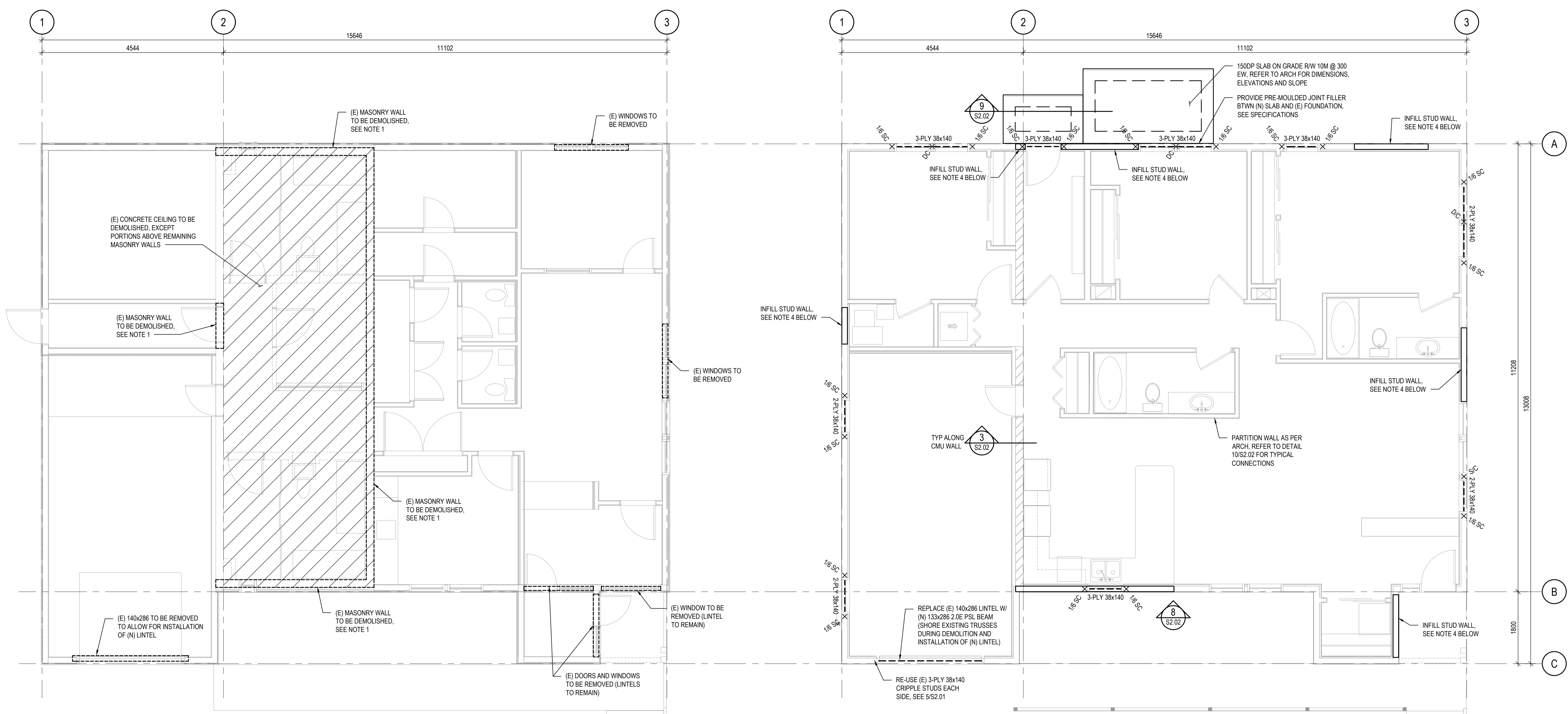
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Prestipal Paul

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EXISTING/DEMOLISHED & NEW FLOOR PLANS

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DEMOLITION NOTES

- EXISTING MASONRY WALLS ARE 190 WIDE AND REINFORCED WITH 15M AT 600 OC VERTICALLY WITH MATCHING DOWELS TO FOUNDATION AND HAVE JOINT REINFORCING AT EVERY SECOND COURSE.

1
S2.01 1:50
MAIN FLOOR PLAN - DEMO

WOOD FRAMING LEGEND

- WOOD BEAM OR LINTEL
- X AB A = NO. OF PLYS IN BUILT-UP COL
B = NOMINAL STUD DEPTH (6 = 2x6)
- X AB XX A = NO. OF KING STUDS
B = NOMINAL STUD DEPTH (6 = 2x6)
XX = NO. OF CRIPPLES
- [SC] SINGLE CRIPPLE
[DC] DOUBLE CRIPPLE
[TC] TRIPLE CRIPPLE

2
S2.01 1:50
MAIN FLOOR PLAN - NEW

MAIN FLOOR FRAMING PLAN NOTES

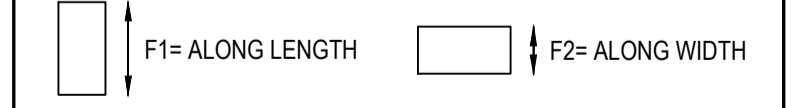
- SEE GENERAL NOTES AND TYPICAL DETAILS ON S2.00.
- MAIN FLOOR DATUM ELEVATION IS 0.0m (GEODETTIC 1091.1m).
- UNLESS NOTED OTHERWISE ON PLAN, DESIGN LOADS ARE:
LIVE LOAD (LL) = 4.8 kN/m²
SUPERIMPOSED DEAD LOAD (SDL) = 1.0 kN/m²
SELF WEIGHT (SWT) = 0.2 kN/m²
PARTITION LOAD IS INCLUDED IN THE SDL
- WOOD STUD WALLS:
 - ONLY LOAD BEARING WALLS ARE SHOWN ON PLAN. REFER TO ARCHITECTURAL DRAWINGS FOR ALL NON-LOAD BEARING WALLS AND REQUIREMENTS.
 - ALL NEW STUD INFILL WALLS TO BE 38x140 STUDS AT 406 OC WITH D.FIR PLYWOOD SHEATHING ON OUTSIDE FACE. SHEATHING THICKNESS TO MATCH EXISTING. FASTEN SHEATHING WITH 2.84mm DIAMETER x 51 LONG COMMON WIRE NAILS AT 150 ON CENTER ALONG PANEL EDGES AND AT 300 ON CENTER ALONG INTERMEDIATE SUPPORTS.
 - UNLESS OTHERWISE NOTED ON PLAN OR IN SECTION, CONNECT NEW WOOD STUD WALLS TO EXISTING CONCRETE STRUCTURE BELOW WITH POST-INSTALLED 12.7mm DIAMETER SCREW ANCHORS AT A MAXIMUM SPACING OF 1200 AND A MINIMUM EMBEDMENT OF 100. LOCATE ONE ANCHOR WITHIN 300 MINIMUM OF EACH END OF THE BOTTOM PLATE OF THE NEW WALL AT ALL NEW WALL LOCATIONS. MINIMUM TWO ANCHORS PER NEW WALL SEGMENT. REFER TO SPECIFICATIONS.
 - ALL GRIDS ARE LOCATED AT OUTSIDE FACE OF EXISTING EXTERIOR SHEATHING OR AT FACE OF EXISTING MASONRY.
 - WHERE MECHANICAL OR ELECTRICAL SERVICES RUN THROUGH EXISTING CONCRETE FOUNDATION WALLS OR SLABS, CORE HOLES THROUGH EXISTING CONCRETE TO ALLOW THE SERVICES TO PASS THROUGH. DO NOT CORE HOLES WITHOUT THE DEPARTMENTAL REPRESENTATIVE'S APPROVAL. SCAN CONCRETE PRIOR TO CORING TO LOCATE EXISTING REINFORCING BARS. LOCATE CORING HOLES TO AVOID EXISTING REINFORCING. IF CORE LOCATIONS CANNOT BE LOCATED TO MISS THE EXISTING REINFORCING, NOTIFY DEPARTMENTAL REPRESENTATIVE IMMEDIATELY.

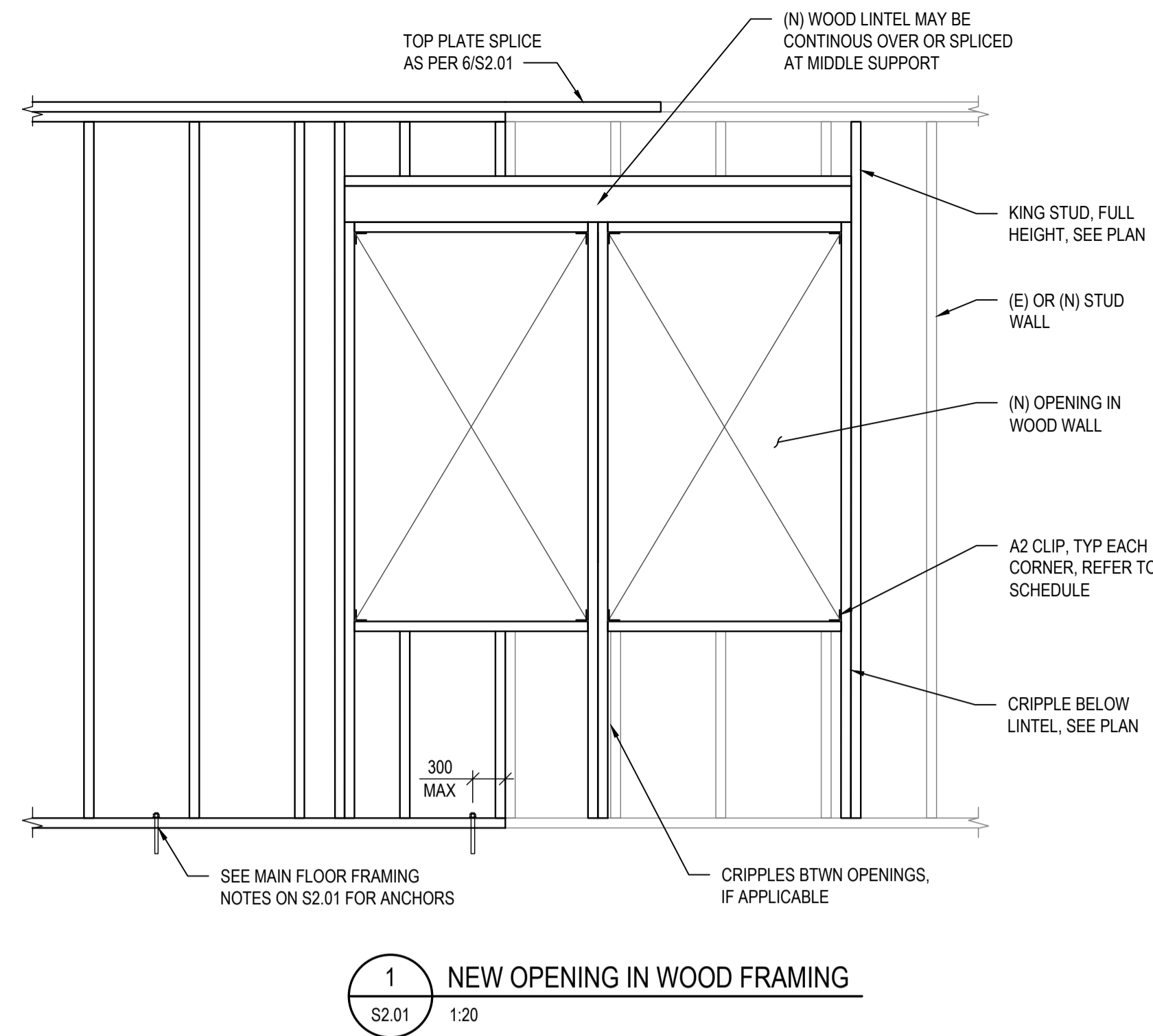
ROOF FRAMING PLAN NOTES

- UNDERSIDE OF TRUSS ELEVATION IS 2.8m.
- UNLESS NOTED OTHERWISE ON PLAN, DESIGN LOADS ARE:
LIVE LOAD (SNOW) = 3.1 kN/m² MINIMUM
SUPERIMPOSED DEAD LOAD = 0.1 kN/m² (CEILING) + 0.15 kN/m² (M&E) = 0.25 kN/m²
SELF WEIGHT (SWT) = 0.37 kN/m² (ROOF) + 0.2 kN/m² (TRUSSES) = 0.57 kN/m²

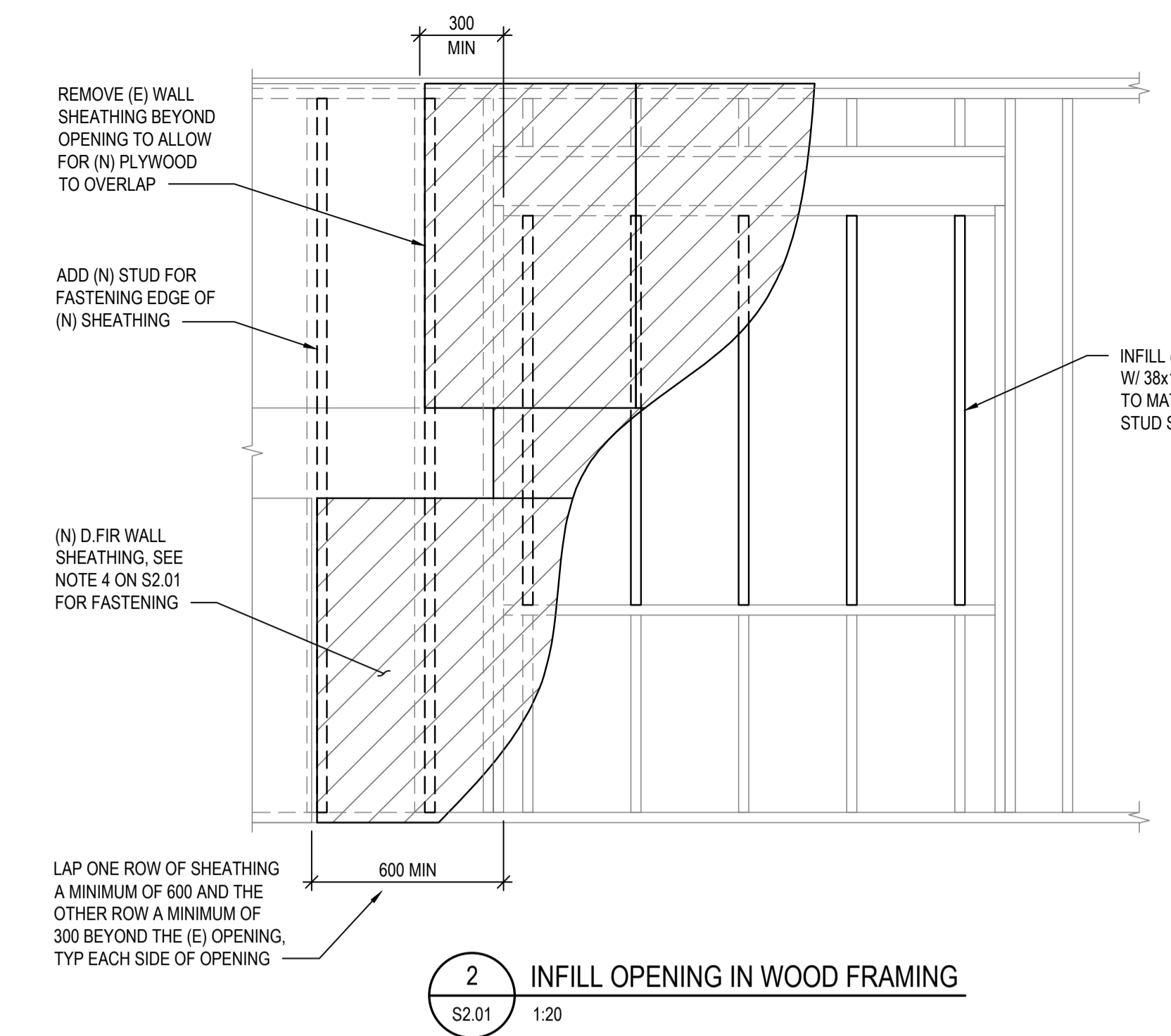
MARK	GUAGE	FACTORED RESISTANCE (KN), (K _c =1.15)							
		D.FIR			SPF				
		UPLIFT	LATERAL		UPLIFT	LATERAL			
	F1	F2		F1	F2		F1	F2	
H1	18	3.29	3.05	1.33	3.02	2.16	0.96		

MARK	DIRECTION OF LOAD	FACTORED RESISTANCE (KN)			
		D.FIR		SPF	
		K _c =1.00	K _c =1.15	K _c =1.00	K _c =1.15
A2	F1	4.23	4.25	3.00	3.00
	F2	4.09	4.09	2.89	2.89
P1	F1	3.63	3.63	2.58	2.58
	F2	3.71	3.71	2.65	2.65

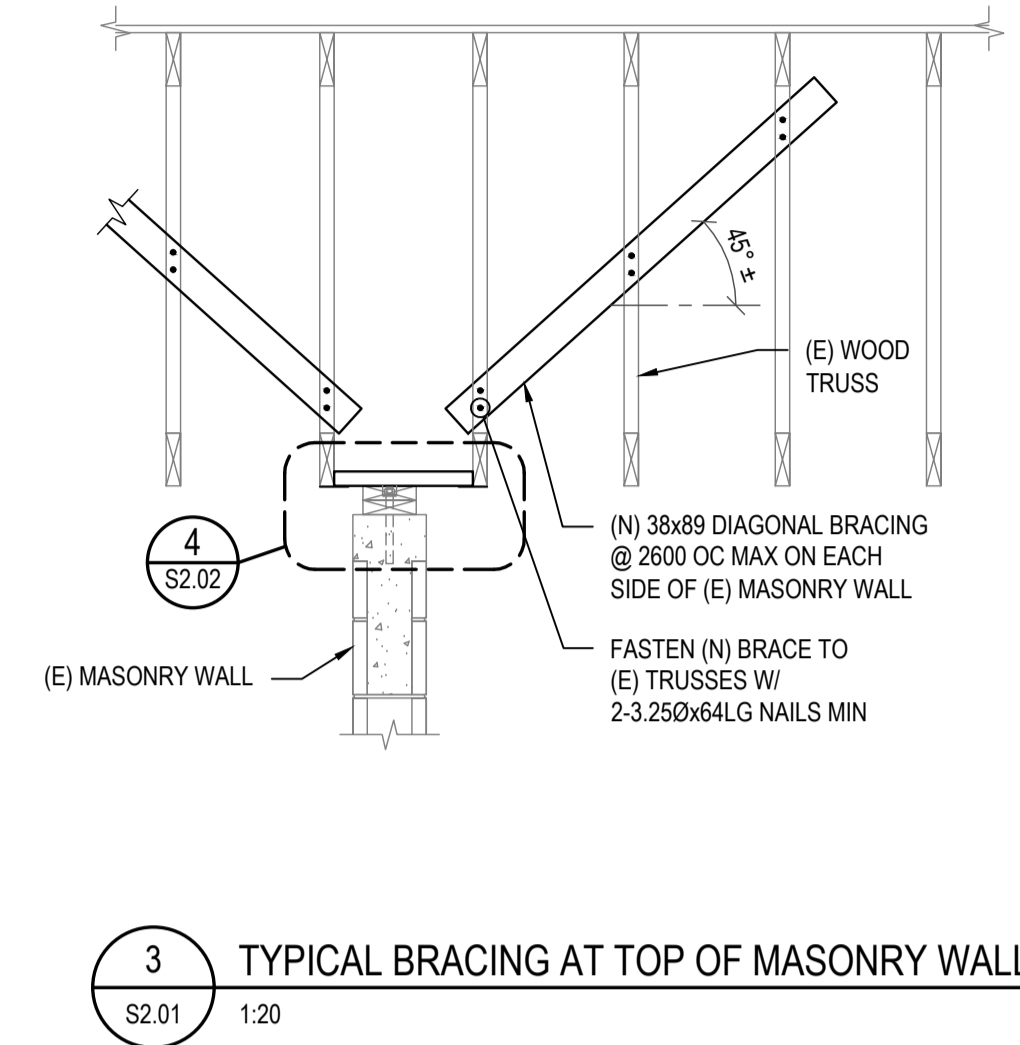




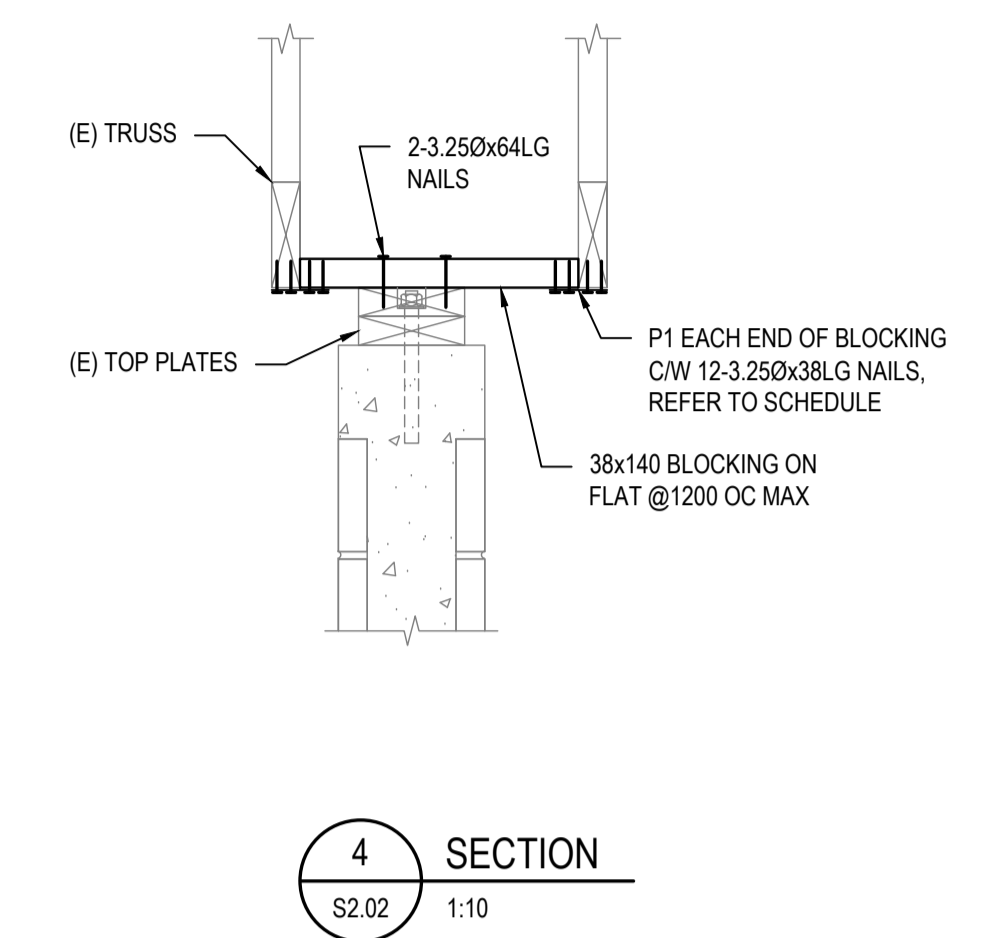
1 NEW OPENING IN WOOD FRAMING
S2.01 1:20



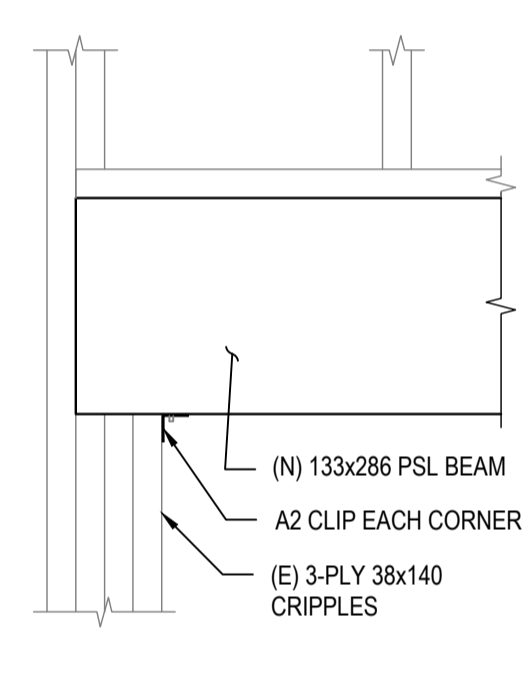
2 INFILL OPENING IN WOOD FRAMING
S2.01 1:20



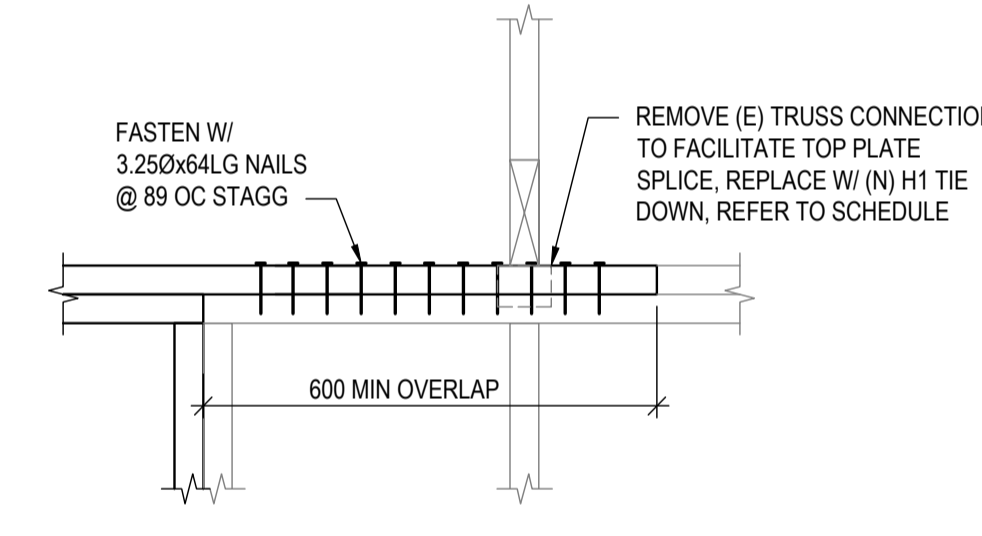
3 TYPICAL BRACING AT TOP OF MASONRY WALL
S2.01 1:20



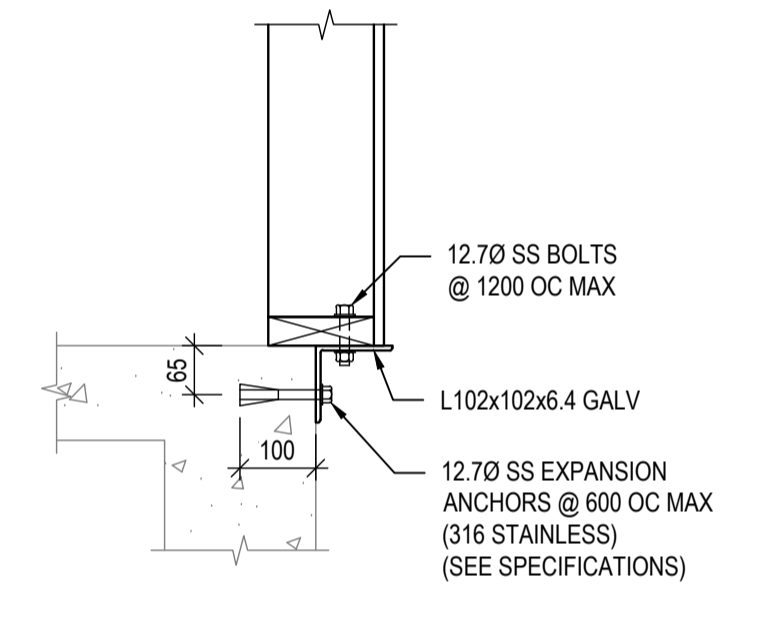
4 SECTION
S2.02 1:10



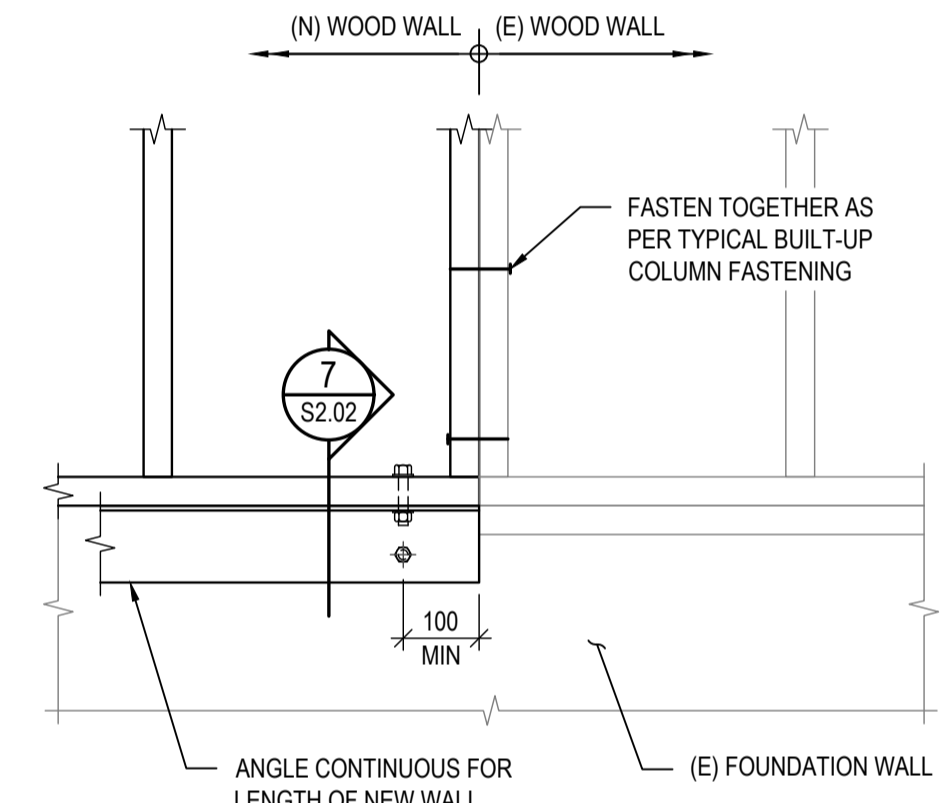
5 ELEVATION
S2.01 1:10



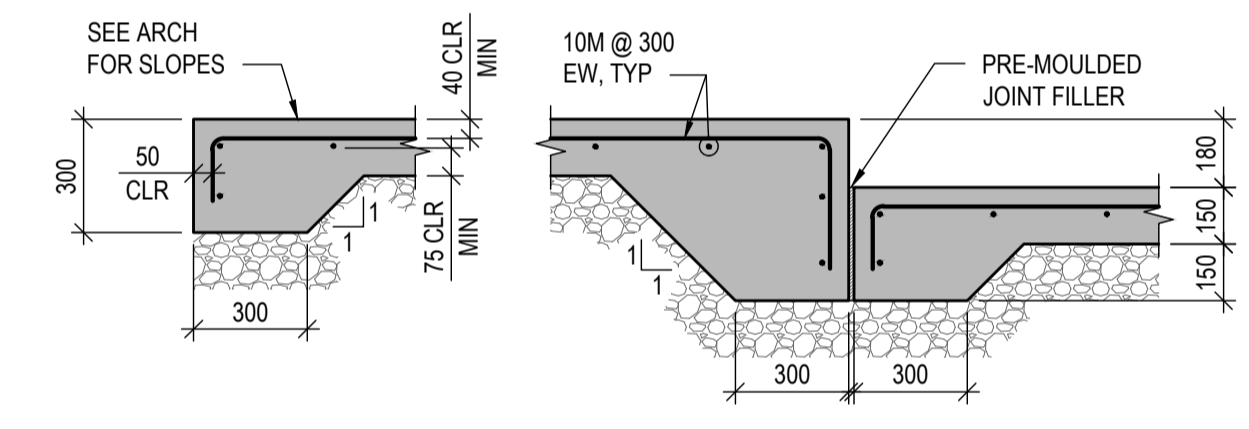
6 ELEVATION
S2.01 1:10



7 SECTION
S2.02 1:10



8 ELEVATION
S2.01 1:10



9 SECTION
S2.01 1:20

NOTES:
MIN HOOK LENGTH - 150
MIN REBAR LAP LENGTH - 450



0	ISSUED FOR TENDER	2019.12.09
B	99% REVIEW SUBMISSION	2019.10.25
A	50% REVIEW SUBMISSION	2019.09.13
Revision/	Description/Description	Date/Date

Client/Client

RCMP
14200 Green Timbers Way
Surrey, B.C.

Project title/Titre du projet

RCMP ANAHIM LAKE HOUSING RENOVATIONS

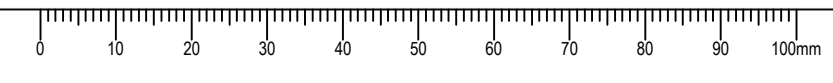
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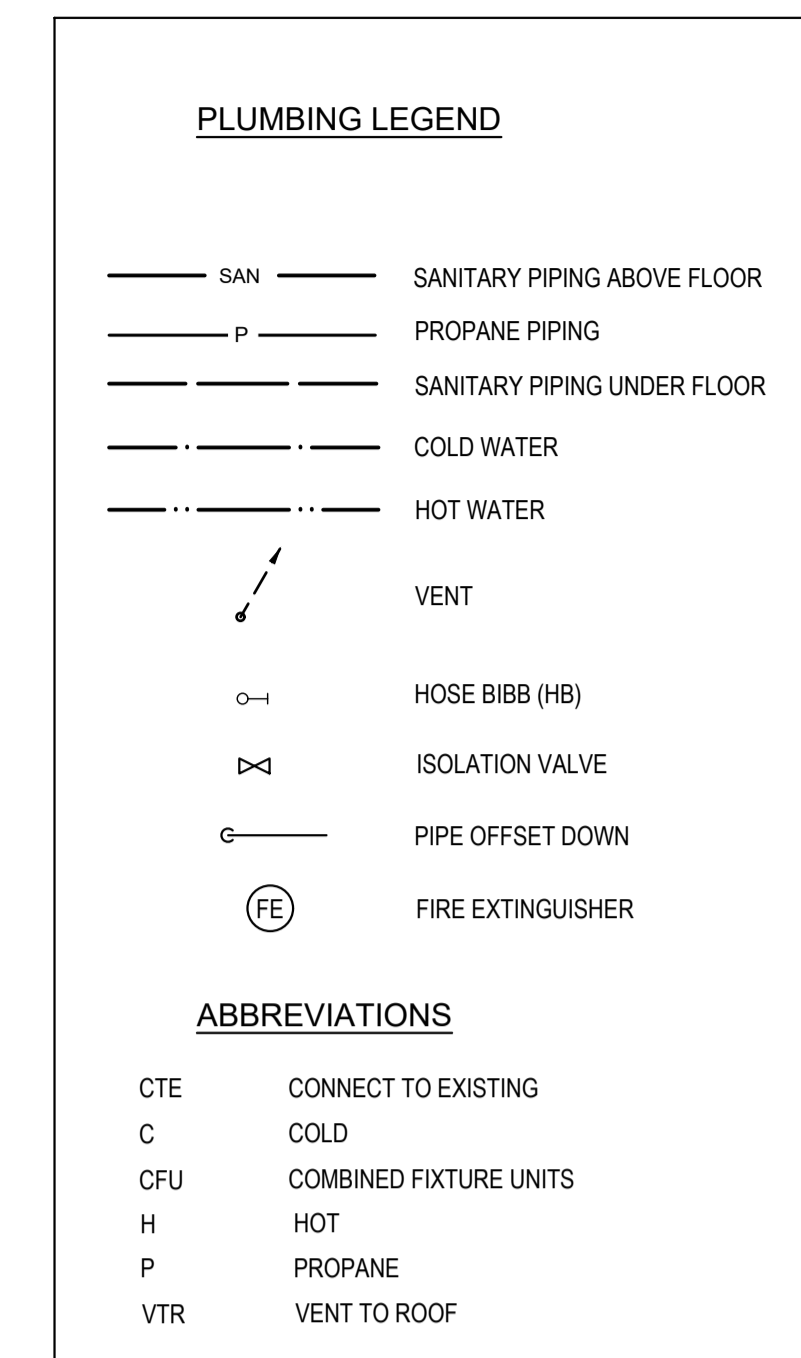
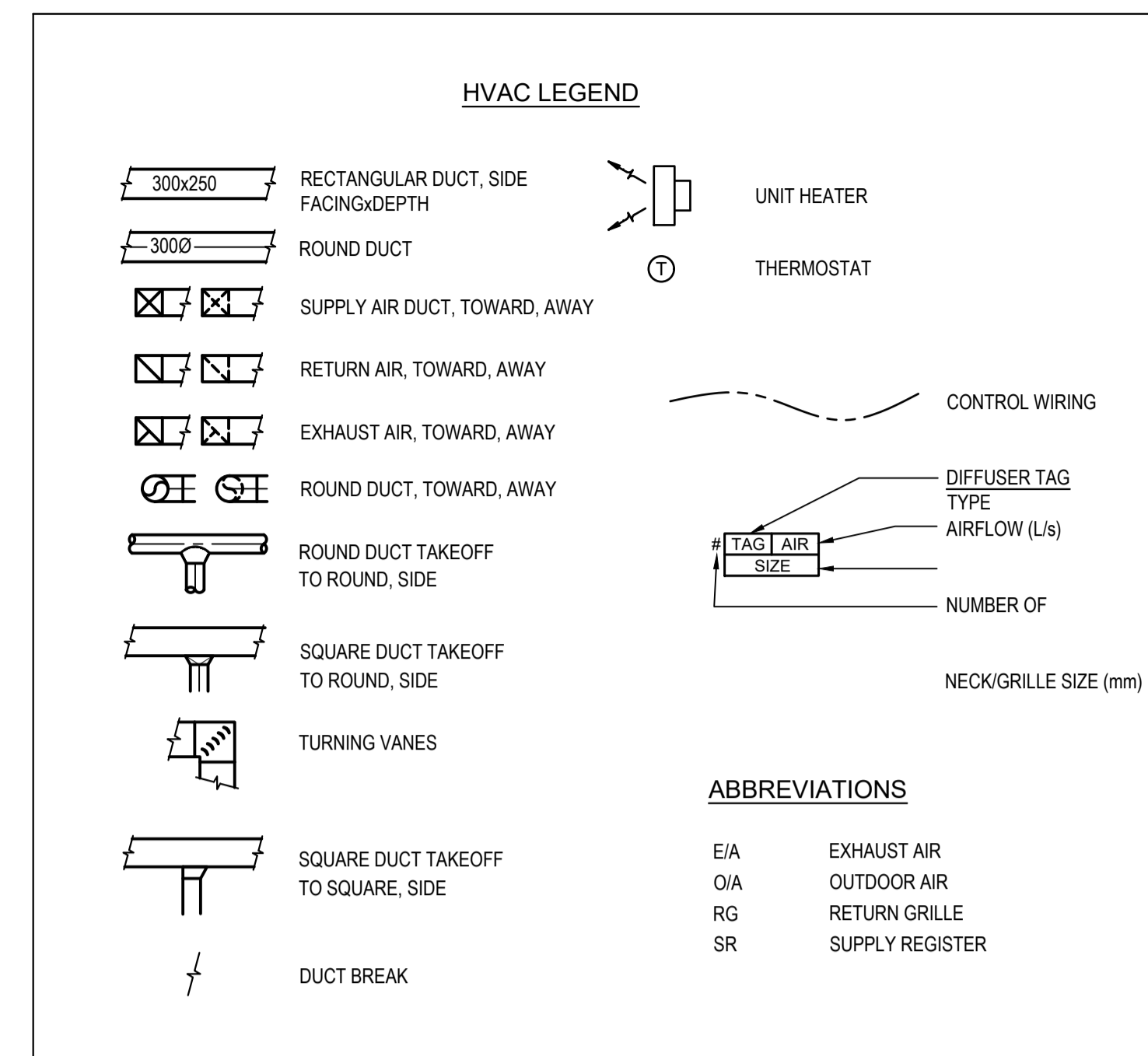
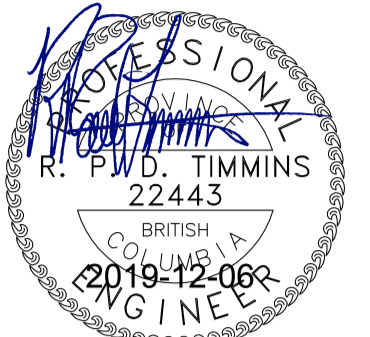
Designed by/Concept par
CP
Drawn by/Dessiné par
GM
PMWGC Project Manager/Administrateur de Projets TPSGC
Philip Fung
PMWGC, Regional Manager, Architectural and Engineering Services/
Gestionnaire régionale, Services d'architectural et de génie, TPSGC
Prestipal Paul

Drawing title/Titre du dessin

ELEVATIONS, SECTIONS AND DETAILS

Project No./No. du projet	Sheet/ Feuille	Revision no./ La Revision no.
R.103948.001	S2.02	0





MECHANICAL DRAWING LIST

DRAWING NO.	DRAWING NAME	SCALE
M0.01	LEGEND, DRAWING LIST & SCHEDULES	N/A
M1.00	PLUMBING AND MECHANICAL DEMOLITION	1:50
M2.00	PLUMBING NEW	1:50
M3.00	HVAC NEW	1:50

GRILLE, REGISTER AND DIFFUSER SCHEDULE

TAG	TYPE	BORDER	MATERIAL	CORE STYLE	LOUVRE ORIENT.	VOLUME DAMPER	FASTENING	FINISH
SR1	SUPPLY REGISTER FLOOR	SURFACE	ALUMINIUM	BAR GRILLE NOTE 1	L	NO	CONCEALED	NOTE 2
SR2	SUPPLY REGISTER CEILING / WALL	NOTE 1	ALUMINIUM	AIRFOIL DOUBLE DEFLECTION	L	YES	SCREW	NOTE 2
RG1	RETURN GRILLE	NOTE 1	ALUMINIUM	AIRFOIL LOUVRED FIXED GRILLE	L 45°, 20mm	NO	CONCEALED	NOTE 2
ER1	EXHAUST REGISTER	NOTE 1	ALUMINIUM	AIRFOIL LOUVRED FIXED GRILLE	L 45°, 20mm	YES	SCREW	NOTE 2

NOTE:
 1. BORDER/MOUNTING FRAME: ALUMINIUM FLAT FACE FOR WALL OR CEILING TO SUIT APPLICATION.
 2. COLOUR TO ARCHITECT'S CHOICE.

FURNACE SCHEDULE

TAG	TYPE	INPUT kW / MBH	OUTPUT kW / MBH	AFUE EFFICIENCY	AIR FLOW l/s / cfm	ESP Pa / in	MOTOR HP	ELECTRICAL DATA VOLTS PHASE	NOTES
F-1	PROPANE VERTICAL	17.6 / 60.0	17.3 / 59.0	97.4%	450 / 950	50 / 0.2	1	120 1	1, 2, 3

NOTES:
 1. HEATING RATED AT: IAT 70°F(21.1°C), OAT 47°F(8.3°C).
 2. COMPLETE WITH PROGRAMMABLE 7-DAY THERMOSTAT.
 3. COMPLETE WITH MERV 13 FILTERS.

HEAT RECOVERY VENTILATOR SCHEDULE

TAG	LOCATION	SERVICE	AIR FLOW l/s / cfm	EXT. STATIC PRESS. Pa / in	O/A EAT			SENSIBLE EFFICIENCY	FILTERS		ELECT DATA		NOTES
					°C / °F	°C / °F	°C / °F		THICKNESS - NO. x SIZE	RATING	MOTOR W	VOLTS PHASE	
HRV-1	GARAGE	OUTDOOR AIR EXHAUST AIR	35 / 70 35 / 70	100 / 0.4 100 / 0.4	-17.8 / 0	23.9 / 75	66.0%	400x180x25	MERV 8	160	120 1	1	

NOTE:
 1. REFER TO SPECIFICATIONS

DUCT HEATER SCHEDULE

TAG	SERVICE	DUCT SIZE (DIA)	AIR FLOW l/s / cfm	ELECT DATA		NOTES
			kW	VOLTS	PHASE	
EHC-1	VENTILATION AIR	200	35 / 70	3	240	1 1

NOTE:
 1. REFER TO SPECIFICATIONS.

HEATING UNIT SCHEDULE

TAG	TYPE	AIR FLOW l/s / cfm	INLET	OUTLET	HEATING CAPACITY kW	ELECT DATA		NOTES
					VOLTS	PHASE		
UH-113	ELECTRIC UNIT HEATER	125 / 270	BACK	FRONT LOUVRE	3.0	240	1	1

NOTE:
 1. CEILING MOUNTED UNIT COMPLETE WITH ALL MOUNTING AND SUSPENSION HARDWARE.

DOMESTIC HOT WATER HEATER

TAG	TYPE	MINIMUM INPUT kW / MBH	MAXIMUM INPUT kW / MBH	DELIVERY TEMP.		FLOW l/min / gpm	ELECT DATA		NOTES
				MIN. °C / °F	MAX. °C / °F		VOLTS	PHASE	
WH-1	TANKLESS PROPANE	5.3 / 18	58.3 / 199	26.7 / 80	60.0 / 140	10 / 2	120	1	1, 2

NOTE:
 1. REFER TO SPECIFICATIONS.
 2. UNIT COMPLETE CONCENTRIC VENT KIT.

HOOD SCHEDULE

TAG	SERVICE	AIR FLOW l/s / cfm	SONES	MOTOR HP	ELECT DATA		NOTES
					VOLTS	PHASE	
RH-1	RANGE HOOD	140 / 300	1.5	0.65 Amp	120	1	1

NOTE:
 1. HOOD COMPLETE WITH ALUMINIUM ROOF CAP.

FAN SCHEDULE

TAG	SERVICE	AIR FLOW l/s / cfm	DIAMETER mm / in	POWER	ELECT DATA		NOTES
					VOLTS	PHASE	
CF-1	CEILING FAN	1490 / 3155	1321 / 52	18 W	120	1	1, 2
CF-2	CEILING FAN	1490 / 3155	1321 / 52	18 W	120	1	1, 2
CF-3	CEILING FAN	1490 / 3155	1321 / 52	18 W	120	1	1, 2

NOTE:
 1. REFER TO SPECIFICATIONS.
 2. AIRFLOW AT HIGH SPEED.

Revision	Description/Description	Date/Date
0	ISSUE FOR TENDER	2019-12-09
B	99% REVIEW SUBMISSION	2019-10-25
A	50% REVIEW SUBMISSION	2019-09-13

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RCMP
 14200 Green Timbers Way
 Surrey, B.C.

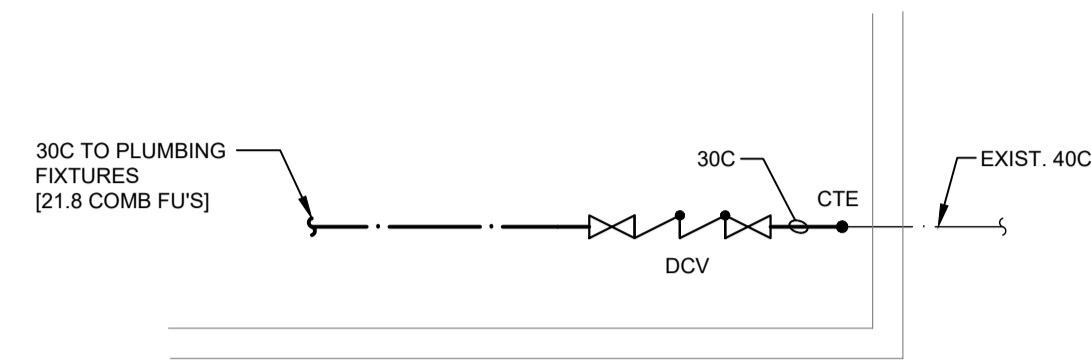
Project title/Titre du projet
RCMP ANAHIM LAKE HOUSING RENOVATIONS

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 Designed by/Concept par
PDT
 Drawn by/Dessiné par
RS
 PWGSC Project Manager/Administrateur de Projets TPSGC
Philip Fung
 PWGSC, Regional Manager, Architectural and Engineering Services /
 Gestionnaire régionale, Services d'architecture et de génie, TPSGC
Prestipal Paul

Drawing title/Titre du dessin
LEGEND DRAWING LIST AND SCHEDULES

Project No./No. du projet	Sheet/ Feuille	Revision no./ La Revision no.
R.103948.001	M0.01	0

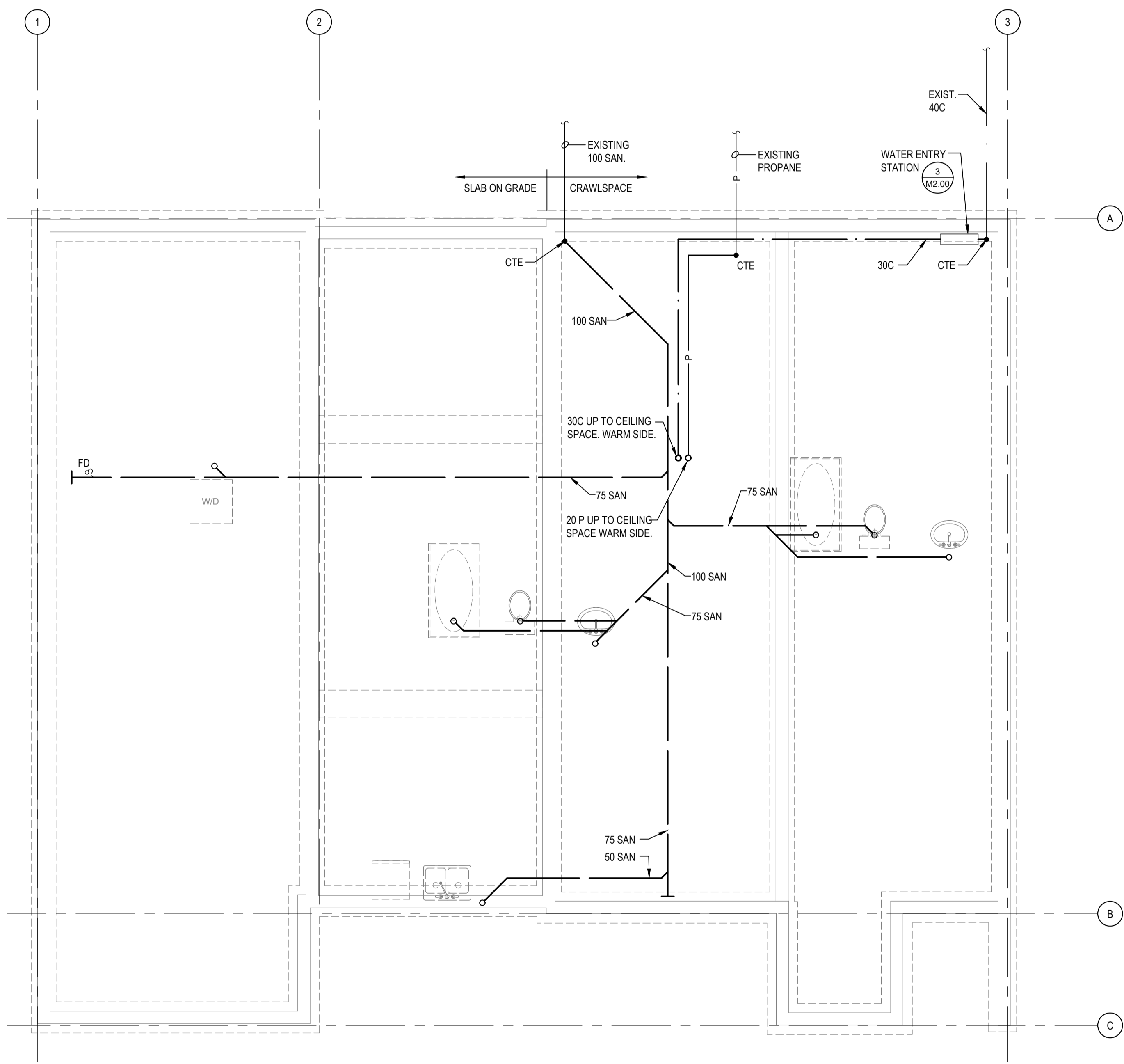




3 WATER ENTRY STATION
M2.00 SCALE: NTS

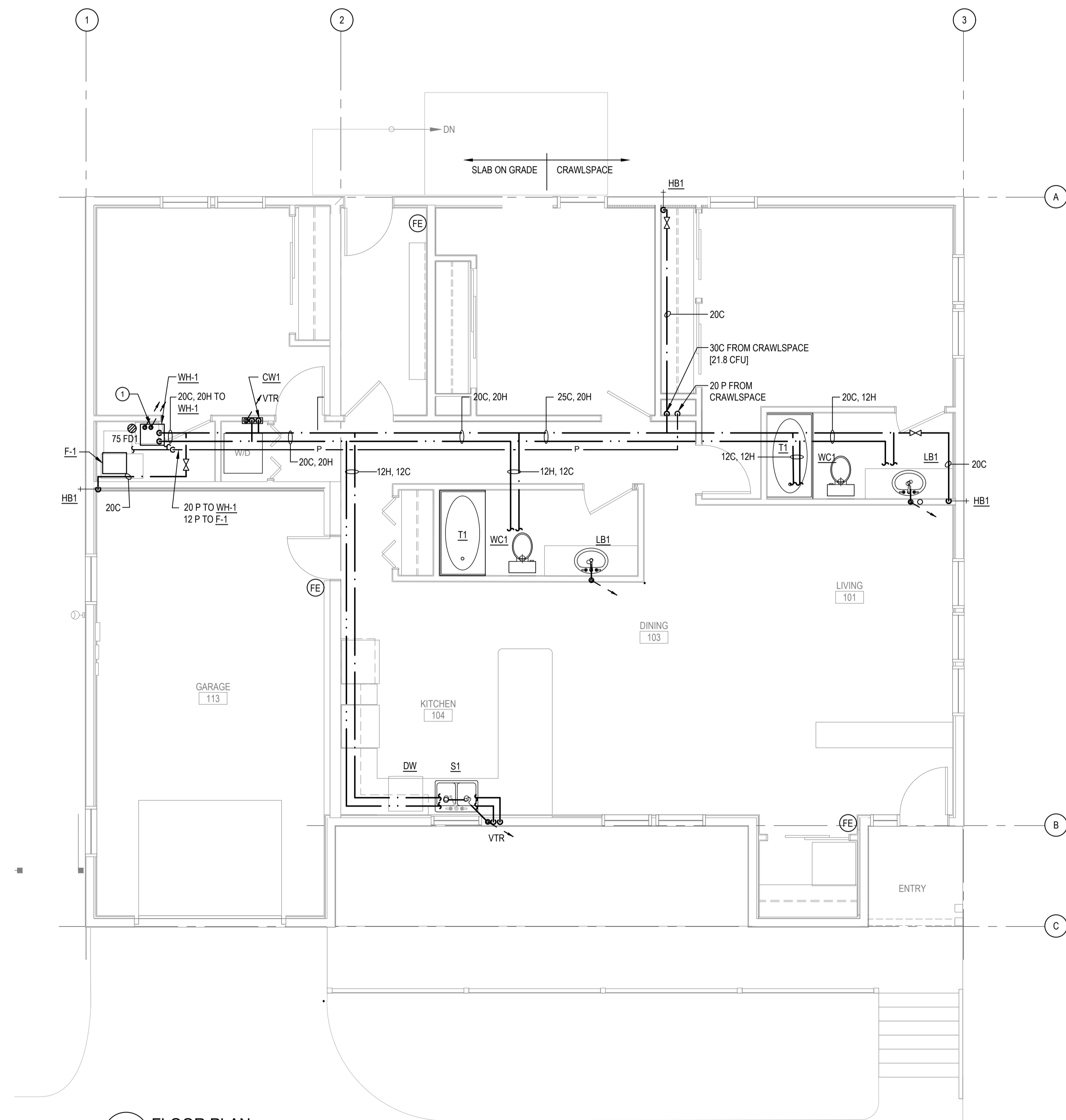
TAG	DCW	DHW	SAN	NOTES
WC1	12	-	75	-
LB1	12	12	30	-
T1	12	12	40	-
S1	12	12	40	-
DW	-	12	20	1
FRIDGE	12	-	-	2

NOTES:
 1. SAN. PIPED TO SINK TRAP.
 2. VALVE AND CAP UNDER SINK FOR FUTURE CONNECTION.



1 CRAWLSPACE
M2.00 SCALE: 1:50

NOTE:
 1. ALL SANITARY PIPING AT 2% SLOPE UNLESS OTHERWISE NOTED.



2 FLOOR PLAN
M2.00 SCALE: 1:50

DRAWING NOTES:
 ① PIPE O/A AND E/A VENT CONNECTIONS FROM WH-1 TO CONCENTRIC VENT THROUGH ROOF.

Revision	Description/Description	Date/Date
D	ISSUE FOR TENDER	2019-12-09
B	99% REVIEW SUBMISSION	2019-10-25
A	50% REVIEW SUBMISSION	2019-09-13

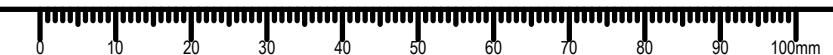
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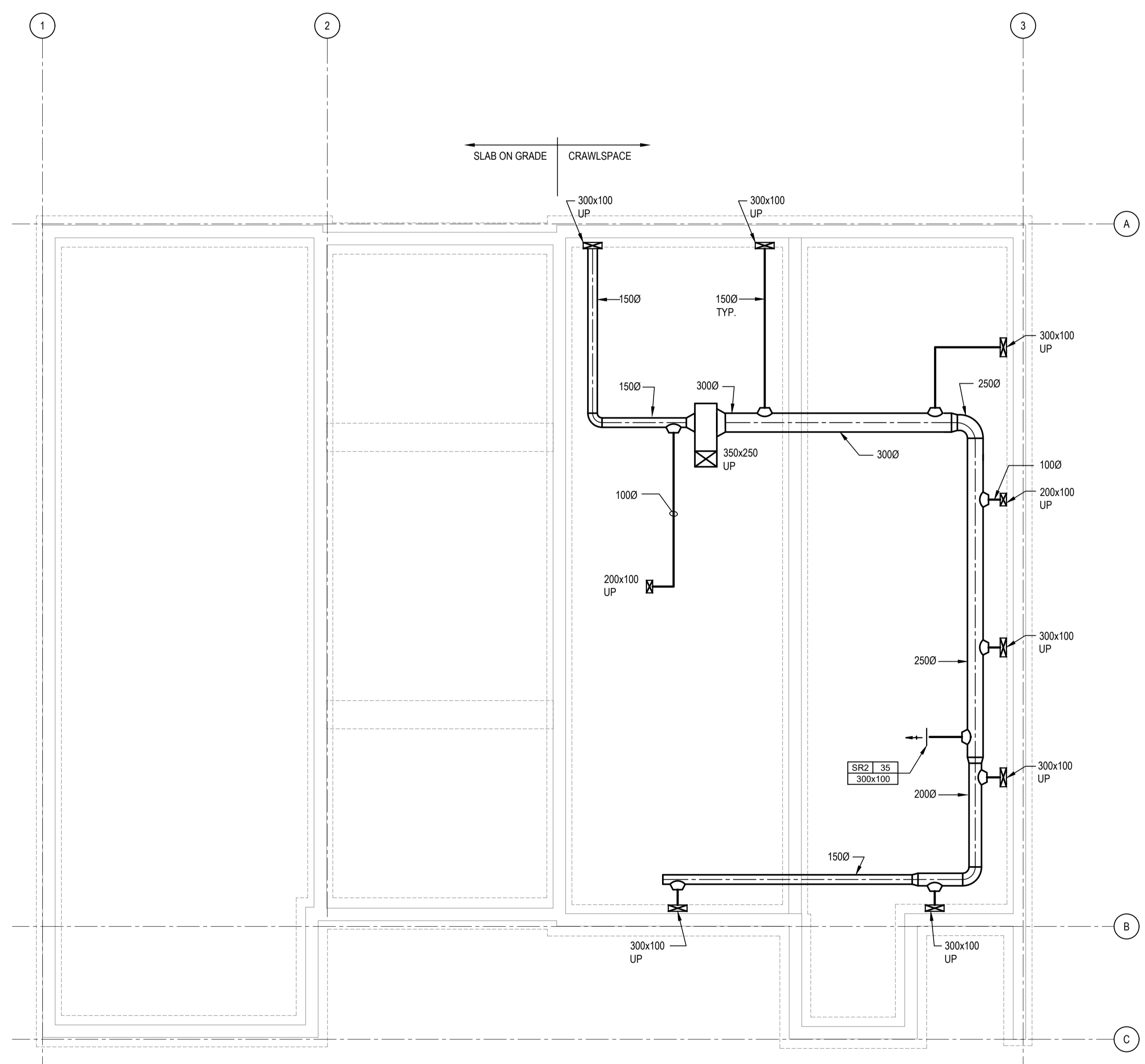
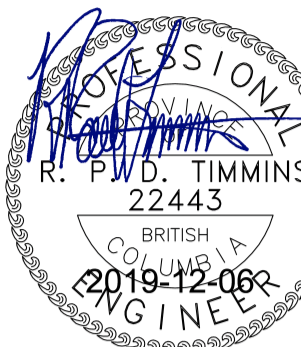
Project title/Titre du projet:
RCMP ANAHIM LAKE HOUSING RENOVATIONS

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 Designed by/Concept par: **PDT**
 Drawn by/Dessiné par: **RS**
 PWGSC Project Manager/Administrateur de Projets TPSGC: **Philip Fung**
 PWGSC Regional Manager/Architectural and Engineering Services/Gestionnaire régionale, Services d'architecture et de génie: **Preestipal Paul**

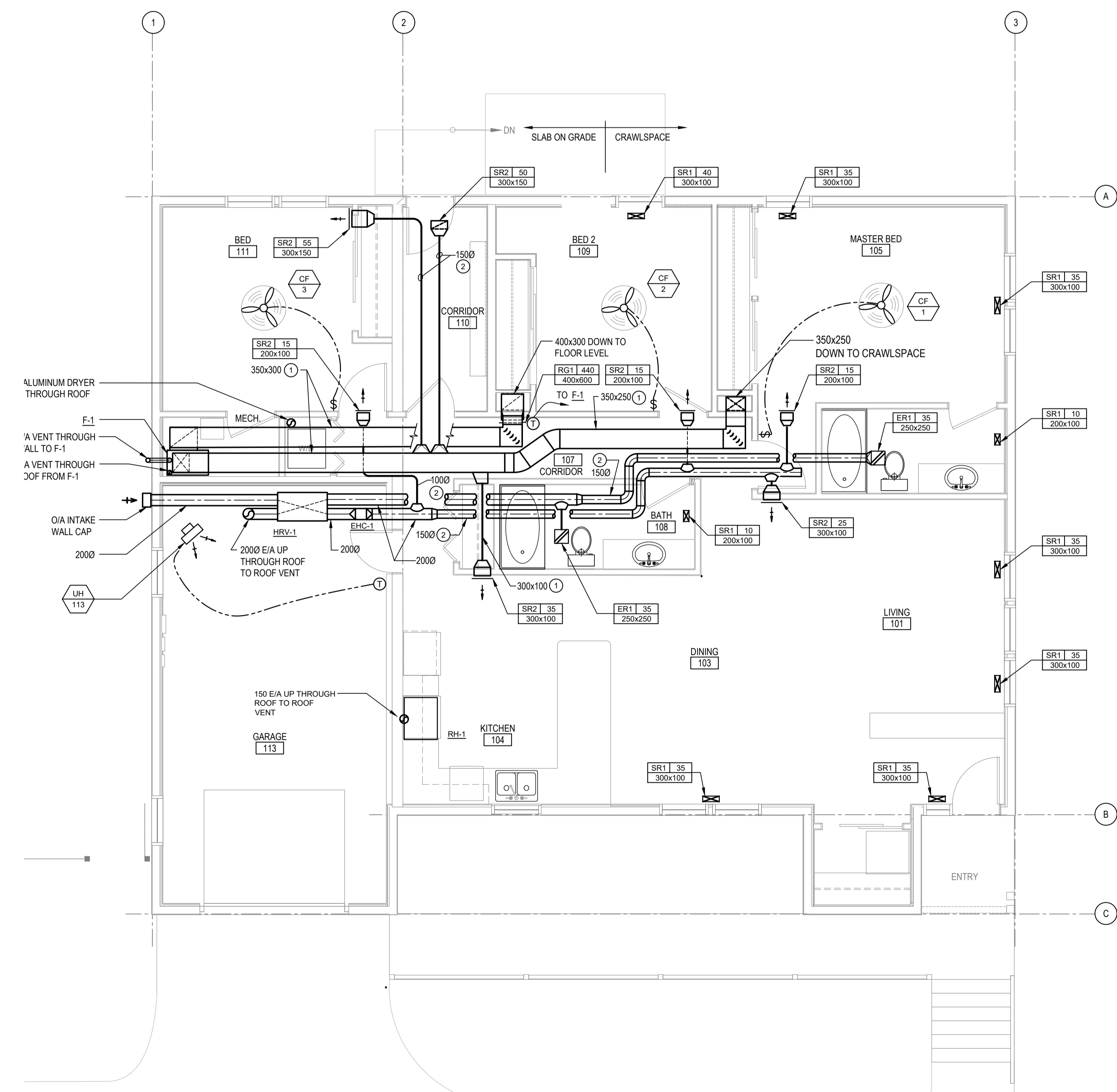
Drawing title/Titre du dessin:
PLUMBING NEW

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.103948.001	M2.00	0





1 CRAWLSPACE
M3.00 SCALE: 1:50



2 FLOOR PLAN
M3.00 SCALE: 1:50

DRAWING NOTES:
 ① IN TRUSS SPACE
 ② IN CEILING SPACE

Revision/Revision	Description/Description	Date/Date
0	ISSUE FOR TENDER	2019-12-09
B	99% REVIEW SUBMISSION	2019-10-25
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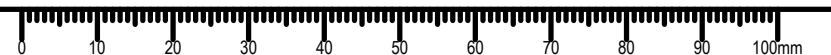
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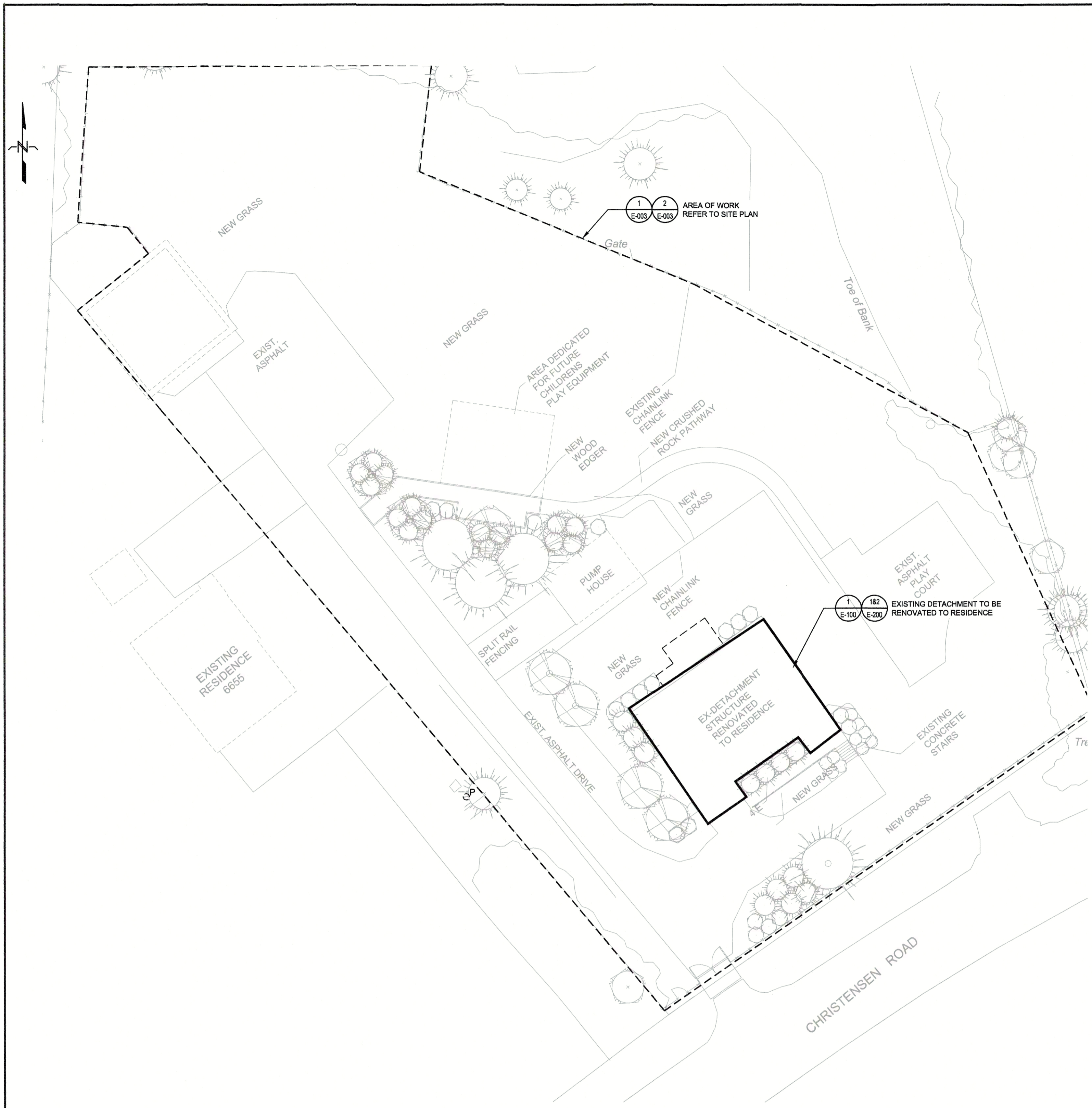
Project title/Titre du projet
**RCMP ANAHIM LAKE
 HOUSING RENOVATIONS**

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 Gestionnaire régionale, Services d'architecture et de génie, TPSCG
Preetipal Paul

Drawing title/Titre du dessin
HVAC NEW

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.103948.001	M3.00	0





1 ELECTRICAL KEYPLAN
E-001 SCALE: 1:250

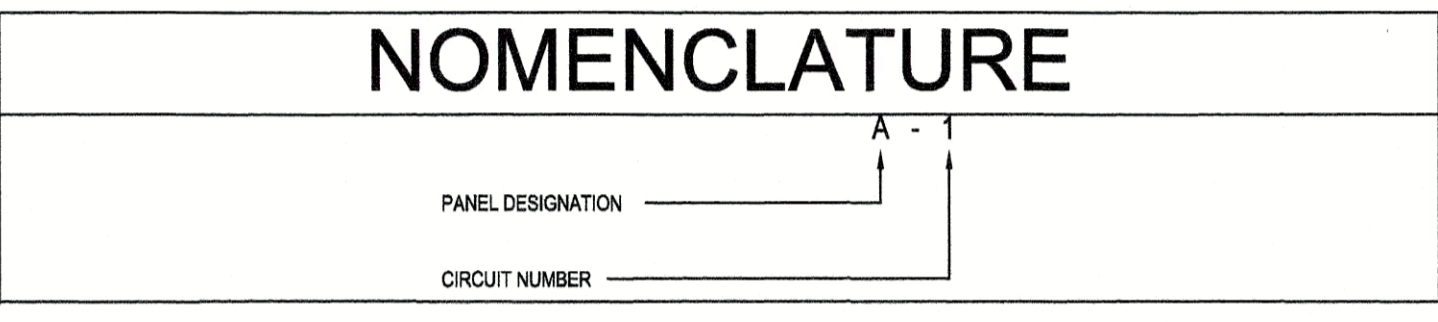
- GENERAL NOTES:**
- CONTRACTOR SHALL READ ELECTRICAL DRAWINGS IN CONJUNCTION WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL AND CIVIL DRAWINGS IN ORDER TO PROVIDE A COMPLETE AND ACCURATE TENDER BID.
 - CONTRACTOR SHALL PROVIDE ALL SEISMIC BRACING, RESTRAINTS, AND ASSOCIATED HARDWARE, ENGAGE A STRUCTURAL ENGINEER TO ADVISE AND REVIEW SEISMIC ANCHORAGE AND RESTRAINT OF NEW ELECTRICAL EQUIPMENT/DEVICES.
 - EXISTING INFORMATION WITHIN THESE DRAWINGS IS BASED ON INFORMATION PROVIDED BY OTHERS, EXTRACTED FROM HISTORICAL RECORDS AND SITE OBSERVATION. EXISTING INFORMATION IS PROVIDED TO FACILITATE THE CONTRACTOR IN PROVIDING A FAIR AND ACCURATE TENDER BID BY PROVIDING A GREATER UNDERSTANDING OF THE SCOPE OF WORK. BY NO MEANS SHALL THE CONTRACTOR RELY SOLELY ON THE EXISTING INFORMATION PROVIDED TO DETERMINE A COMPLETE AND FULLY ACCURATE SCOPE OF WORK AS NOT ALL ELECTRICAL EQUIPMENT, DEVICES OR ASSOCIATED EQUIPMENT THAT ARE REQUIRED TO BE RELOCATED, REMOVED OR REPLACED MAY BE NOTED. CONTRACTOR SHALL PERFORM A SITE VISIT TO DETERMINE THE EXACT SCOPE OF WORK PRIOR TO PROVIDING THEIR TENDER BID.
 - WHERE IT IS REQUIRED TO REMOVE FIXTURES, ELECTRICAL DEVICES OR WIRING DEVICES BUT THE OUTLET BOX IS REQUIRED TO BE RETAINED TO MAINTAIN BRANCH CIRCUITS TO NEW DEVICES OR DEVICES TO REMAIN, CONTRACTOR SHALL PROVIDE THE NECESSARY WIRING SPLICES AND BLANK COVER PLATES. (MATCH EXISTING COLOR SCHEME). ALLOW TIME TO SITE VERIFY NOTED EXISTING CONDITIONS. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES.
 - WHEN RELOCATING ELECTRICAL AND ASSOCIATED DEVICES CARE SHALL BE TAKE TO AVOID DAMAGE TO DEVICES BEING REMOVED, AND TO THE EXISTING DEVICES WITHIN BUILDING.
 - MAKE GOOD ALL EXISTING SURFACES INCLUDING BUT NOT LIMITED TO DRYWALL, PAINT, CEILING TILES, AND FINISHES.
 - CONTRACTOR SHALL X-RAY FLOORS/WALLS BEFORE CORING TO ACCOMMODATE NEW CONDUIT AND CONDUCTORS. ENGAGE A STRUCTURAL ENGINEER BEFORE CORING FLOORS.
 - ALL CONDUCTORS SHALL BE RUN IN CONDUIT SUITABLE FOR THE APPLICATION IN ACCORDANCE WITH THE CEC.
 - CONTRACTOR TO FIELD LOCATE THE EXACT ROUTING OF ALL FEEDERS AND PROVIDE AN INSTALLATION THAT IS THE LEAST OBTRUSIVE AND DISRUPTIVE TO THE FACILITY.
 - ALL CONDUITS CROSSING A SEISMIC GAP OR EXPANSION JOINT SHALL ALLOW UP TO 150mm MOVEMENT IN ALL DIRECTIONS.

DRAWING NUMBER	DRAWING TITLE
E-001	ELECTRICAL KEYPLAN, LEGEND, DRAWING LIST AND GENERAL NOTES
E-002	ELECTRICAL SINGLELINE LINE DIAGRAM - EXISTING AND NEW
E-003	ELECTRICAL SITE PLAN - EXISTING AND NEW
E-100	ELECTRICAL FLOOR PLAN - DEMOLITION
E-200	ELECTRICAL FLOOR PLAN POWER AND SYSTEMS, LIGHTING - NEW
E-300	ELECTRICAL SCHEDULES
E-301	ELECTRICAL DETAILS

ELECTRICAL CODE LOAD	
AS PER SECTION 8-200 C22.1-18 APPROXIMATE FLOOR AREA: 191m ²	
a) SERVICE LOAD	
i) FIRST 90M ² : 5000W	
ii) SECOND 90M ² : 1000W	
iii) HWY MECHANICAL LOAD: 3000W	
iv) ELECTRIC RANGE: 6000W	
v) ELECTRIC DRYER: 5500W	
TOTAL: 23,500W @ 120/240V = 97.91A X 1.25 = 122.3A 200A SERVICE	

ANNOTATIONS			
DENOTE	DESCRIPTION	DENOTE	DESCRIPTION
BND	BOND WIRE (AS PER SPECIFICATIONS)	F/A	FIRE ALARM
GND	GROUND WIRE (#6)	GFI	GROUND FAULT INTERRUPTOR
CW	COMPLETE WITH	SPD	SURGE PROTECTION DEVICE
DISC	DISCONNECT	TR	TAMPER RESISTANT
RR	REMOVE	WP	WEATHERPROOF
EX	EXISTING TO REMAIN	WT	WATER TIGHT
ER	EXISTING TO BE RELOCATED	AFF	ABOVE FINISHED FLOOR
RE	REPLACE EXISTING WITH NEW DEVICE IN SAME LOCATION	AFG	ABOVE FINISHED GRADE
RL	EXISTING DEVICE IN RELOCATED LOCATION		

SYMBOL	DESCRIPTION
	MECHANICAL EQUIPMENT TAG
	REFERENCE NOTE (1 DENOTES SEE NOTE 1)
	KITCHEN EQUIPMENT TAG
	OWNER SUPPLIED EQUIPMENT TAG
	CONDUIT TAG
	REVISION IDENTIFICATION TAG
	PANEL IDENTIFICATION TAG
	NEW EQUIPMENT
	EXISTING EQUIPMENT TO REMAIN
	EXISTING EQUIPMENT TO BE REMOVED



SINGLE LINE DIAGRAM SYMBOLS	
	POWER TRANSFORMER
	MOLDED CASE CIRCUIT BREAKER
	UNFUSED VOLTAGE DISCONNECT SWITCH
	FUSE DISCONNECT SWITCH
	AUTOMATIC TRANSFER SWITCH WITHOUT MANUAL BYPASS
	METER
	BUSBAR
	H.V. POT HEAD
	GENERATOR
	PANELBOARD
	PANELBOARD COMPLETE WITH MAIN BREAKER

POWER SYMBOLS	
	DUPLEX U-GROUND 15A, 125 VOLT, 2 POLE, 3 WIRE GROUNDING RECEPTACLE
	WP WHERE SHOWN, DENOTES WEATHERPROOF MOUNTED IN WEATHERPROOF F.S. BOX WITH WEATHERPROOF COVER
	GFI WHERE SHOWN, DENOTES GROUND FAULT INTERRUPTER TYPE DUPLEX RECEPTACLE
	HK WHERE SHOWN, DENOTES DEVICE DEDICATED TO "HOUSEKEEPING" SERVICE CW ENGRAVED NAMEPLATE.
	TL WHERE SHOWN, DENOTES TWISTLOCK
	OC WHERE SHOWN, DENOTES OVER THE COUNTER MOUNTED
	UC WHERE SHOWN, DENOTES UNDER THE COUNTER MOUNTED
	DW, F, W, D, MW RESIDENTIAL EQUIPMENT: DISHWASHER, FRIDGE, WASHER, DRYER, MICROWAVE
	SIMILAR TO ABOVE, BUT MOUNTED APPROXIMATELY 3'-0" (1050 mm) ABOVE FINISHED FLOOR LEVEL OR ABOVE COUNTER, UNLESS OTHERWISE NOTED
	DUPLEX U-GROUND 15A, 125V, 2P, 3 WIRE GROUNDING RECEPTACLE PROTECTED BY G.F.C.I. BREAKER AT PANELBOARD, MOUNTED APPROXIMATELY 3'-6" (1050 mm) ABOVE FINISHED FLOOR.
	TWO DUPLEX U-GROUND 15A, 125 VOLT, 2 POLE, 3 WIRE GROUNDING RECEPTACLES IN COMMON FACEPLATE.
	SIMILAR TO ABOVE, BUT MOUNTED APPROXIMATELY 3'-6" (1050 mm) ABOVE FINISHED FLOOR LEVEL OR ABOVE COUNTER.
	TAMPERPROOF (SAFETY SHUTTER) DUPLEX U-GROUND 15A, 125 VOLT, 2 POLE, 3 WIRE GROUNDING RECEPTACLE
	15/20A, 125V, DUPLEX U-GROUND RECEPTACLE (S-20R)
	SPECIAL PURPOSE RECEPTACLE AS DENOTED
	HARDWIRED EQUIPMENT CONNECTION
	SINGLE SURFACE MOUNTED / FLUSH MOUNTED PANELBOARD, *PP* DENOTES POWER PANEL, *LP* DENOTES LIGHTING AND POWER PANEL.
	SINGLE SURFACE MOUNTED / FLUSH MOUNTED LOW VOLTAGE *LV* DENOTES LOW VOLTAGE PANEL
	JUNCTION BOX
	PULLBOX
	FLUSH-MOUNTED PUSHBUTTON MOUNTED 4'-0" (1.2 m) ABOVE FINISHED FLOOR LEVEL. *WP* WHERE SHOWN, DENOTES WEATHERPROOF.
	MOTOR
	DISCONNECT SWITCH UNLESS NOTED OTHERWISE
	ELECTRIC BASEBOARD HEATER
	THERMOSTAT
	GROUND ROD

LIGHTING SYMBOLS	
	1'x4' SURFACE LUMINAIRE, LETTER "A" INDICATES LUMINAIRE TYPE AS PER LUMINAIRE SCHEDULE.
	STRIP SURFACE LUMINAIRE, LETTER "F" INDICATES LUMINAIRE TYPE AS PER LUMINAIRE SCHEDULE.
	CEILING MOUNTED RECESSED DOWNLIGHT
	SURFACE MOUNTED DOWN LIGHT
	CEILING MOUNTED PENDANT DOWN LIGHT
	WALL MOUNTED STRIP LIGHT, LETTER "E" INDICATES LUMINAIRE TYPE AS PER LUMINAIRE SCHEDULE.
	WALL MOUNTED LUMINAIRE, LETTER "E" INDICATES TYPE AS PER LUMINAIRE SCHEDULE.
	FLUSH WALL MOUNTED LUMINAIRE
	SURFACE MOUNTED TRACK LUMINAIRE, LENGTH AS INDICATED; NUMBER OF HEADS INDICATED
	ONE, TWO, THREE LINE VOLTAGE TOGGLE SWITCH AND LOW VOLTAGE SWITCH MOUNTED 4'-0" (1.2m) ABOVE FINISHED FLOOR LEVEL, UNLESS OTHERWISE NOTED.
	K WHERE SHOWN, DENOTES KEY SWITCH
	P WHERE SHOWN, DENOTES SWITCH AND PILOT LIGHT
	3 WHERE SHOWN, DENOTES 3-WAY SWITCH
	4 WHERE SHOWN, DENOTES 4-WAY SWITCH
	M WHERE SHOWN, DENOTES MOTOR SWITCH
	DS WHERE SHOWN, DENOTES DOOR SWITCH
	T WHERE SHOWN, DENOTES MANUAL TIME SWITCH
	D WHERE SHOWN, DENOTES DIMMER SWITCH
	OCCUPANCY SENSOR - CEILING MOUNTED, WALL MOUNTED

** - LETTER "A" INDICATES TYPE AS PER LUMINAIRE SCHEDULE
 -3A-1-R1 INDICATES ALL LUMINAIRES CONNECTED TO PANEL 3A, CIRCUIT 1, RELAY 1.
 - EMERGENCY SYSTEM, REFER TO LUMINAIRE SCHEDULE AND FLOOR PLANS FOR FURTHER DETAILS.
 - *N* INDICATE NIGHT LIGHT, 24HR OPERATION

COMMUNICATIONS SYMBOLS	
	COMMUNICATION OUTLET (IF MULTIPLE DROPS ARE REQUIRED ADD TEXT) *2* WHERE SHOWN, DENOTES 2 DATA DROPS *4* WHERE SHOWN, DENOTES 4 DATA DROPS
	WIRELESS ACCESS POINT
	ANALOG TELEPHONE OUTLET, MINIMUM 4"(100mm) SQUARE BOX c/w PLASTER RING AND FACEPLATE.
	CABLE TELEVISION SIGNAL OUTLET.
	TELEPHONE/COMMUNICATIONS SIGNAL TERMINAL PLYWOOD BACKBOARD.
	COPPER BUSS BAR (PRE-DRILLED)

SECURITY SYMBOLS	
	SECURITY SYSTEM DOOR ALARM CONTACTS, RECESSED IN DOOR AND FRAME.
	SECURITY SYSTEM MOTION DETECTOR
	SECURITY SYSTEM CARD READER OUTLET
	SECURITY SYSTEM DISARMING KEYPAD
	CEILING OR WALL MOUNTED CLOSED CIRCUIT TELEVISION CAMERA FOR SECURITY SYSTEM. *WP* DENOTES ENVIRONMENTAL HOUSING.
	MASTER INTERCOM
	SECURITY SYSTEM ALARM SPEAKER

FIRE ALARM SYMBOLS	
	COMBINATIONAL SMOKE ALARM / CARBON MONOXIDE DETECTOR (HARDWIRED CONNECTION)

SITE SYMBOL	
	EXTERIOR LUMINAIRE WITH POLE ASSEMBLY
	EXTERIOR BOLLARD WITH LUMINAIRE
	WALL MOUNTED WEATHERPROOF PHOTOCCELL
	POWER POLE
	UNDERGROUND POWER CONDUIT
	OVERHEAD POWER CABLE
	PULL BOX (FIBRE GLASS, P.V.C, ETC.)

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

REAL PROPERTY SERVICES / Pacific Region / SERVICES IMMOBILIERS / Région de Pacifique

numberTEN architectural group

PROFESSIONAL ENGINEER / R. O'CONNOR / Dec 6, 2019

0	ISSUED FOR TENDER	2019-12-09
B	99% REVIEW SUBMISSION	2019-10-31
A	50% REVIEW SUBMISSION	2019-09-08
Revision/Revisé	Description/Description	Date/Date

Client/Client

RCMP
14200 Green Timbers Way
Surrey, B.C.

Project title/Titre du projet

RCMP ANAHIM LAKE HOUSING RENOVATIONS

Consultant Signature Box Only

Designed by/Concept par
MRO

Drawn by/Dessiné par
MRO

PWSSC Project Manager/Administrateur de Projets TP9SGC
Dianne Dy

PWSSC, Regional Manager, Architectural and Engineering Services / Gestionnaire régionale, Services architecturaux et de génie, TP9SGC
Philip Fung

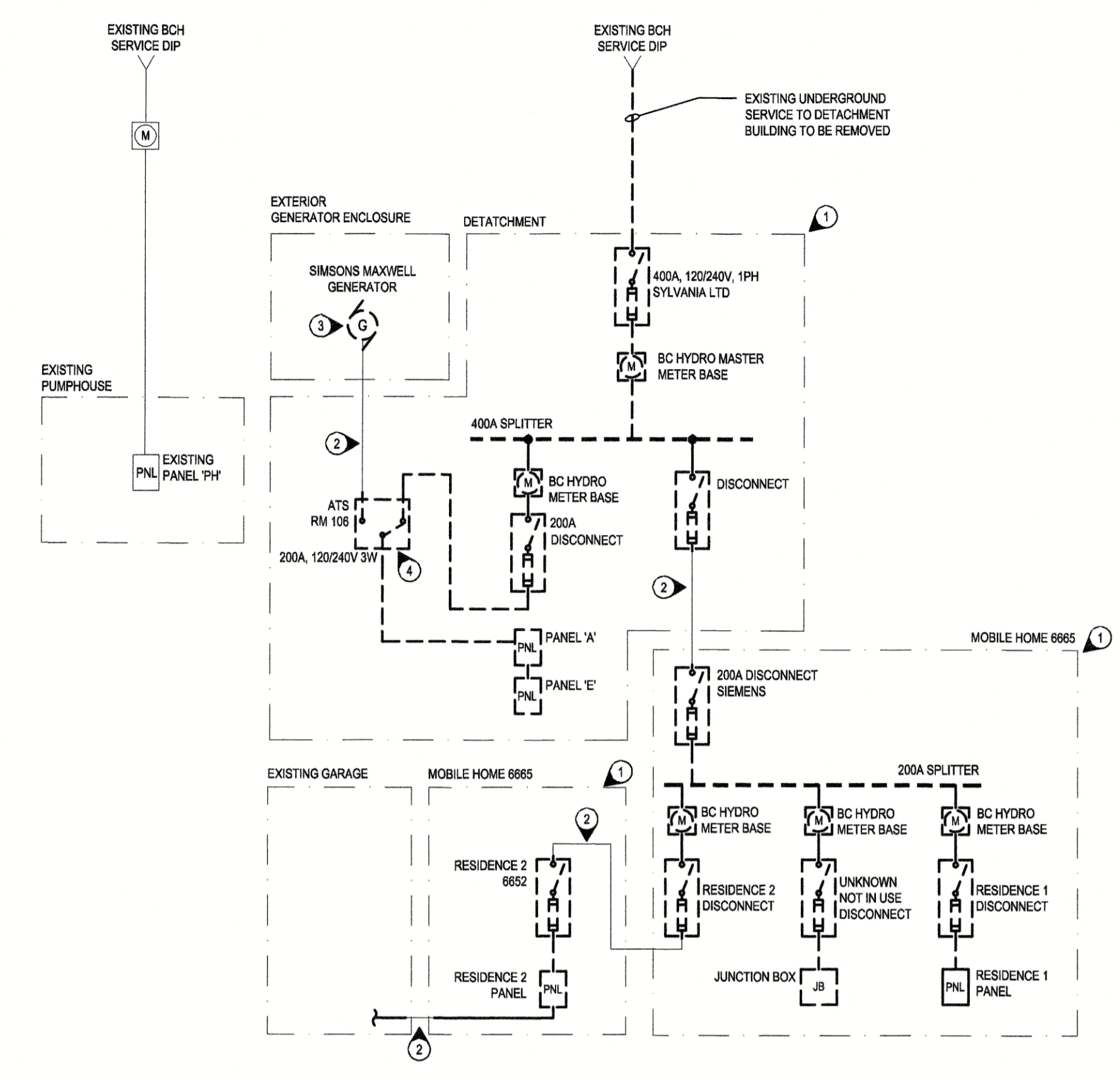
Drawing title/Titre du dessin

ELECTRICAL SITE PLAN, LEGEND AND GENERAL NOTES

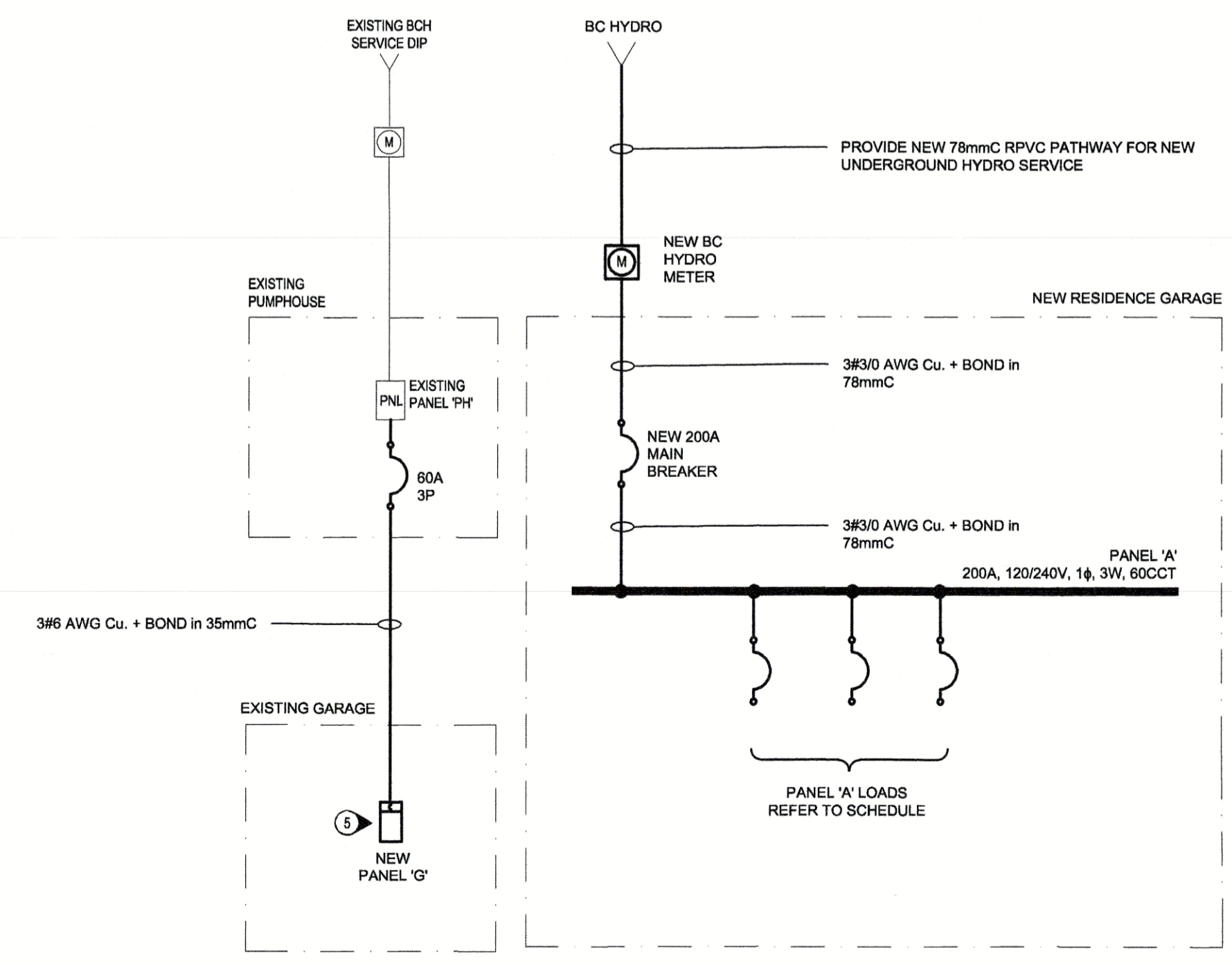
Project No./No. du projet	Sheet/Feuille	Revision no./La révision no.
R.103948.001	E-001	0

Scale: 0 5 10 15 20m / 1:250

- KEYNOTES:**
- 1 CONTRACTOR REMOVE/DEMOLISH ALL EXISTING DISTRIBUTION INCLUDING CONDUCTORS, CONDUIT, JUNCTION BOXES, AT ALL ASSOCIATED ELECTRICAL DEVICES. TYPICAL OF ALL.
 - 2 CONTRACTOR TO ABANDON DIRECT BURIED TECK CONDUCTORS IN PLACE WHERE IT IS UNFEASIBLE TO REMOVE. COIL EXISTING CONDUCTORS AT BUILDING BOUNDARY. PROVIDE LABEL INDICATING CONDUCTOR HEAD AND TAIL LOCATIONS.
 - 3 CONTRACTOR TO DISCONNECT EXISTING ELECTRICAL CONNECTIONS TO GENERATOR. GENERATOR TO BE TURNED OVER TO RCMP DEPARTMENT REPRESENTATIVE.
 - 4 CONTRACTOR TO DISCONNECT EXISTING ASCO 7000 SERIES AUTOMATIC TRANSFER SWITCH. ATS TO BE TURNED OVER TO RCMP DEPARTMENT REPRESENTATIVE.
 - 5 CONNECT EXISTING GARAGE CIRCUITS TO NEW PANEL 'G' AS NOTED ON DRAWINGS.



1 ELECTRICAL SINGLE LINE DIAGRAM - EXISTING
 SCALE: NTS



2 ELECTRICAL SINGLE LINE DIAGRAM - NEW
 SCALE: NTS



Revision/Revisión	Description/Description	Date/Date
0	ISSUED FOR TENDER	2019-12-09
B	99% REVIEW SUBMISSION	2019-10-21
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Client/client
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RCMP ANAHIM LAKE HOUSING RENOVATIONS

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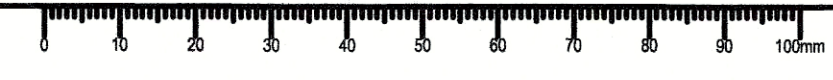
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PWSSC Project Manager/Administrateur de Projets TPSGC
Dianne Dy

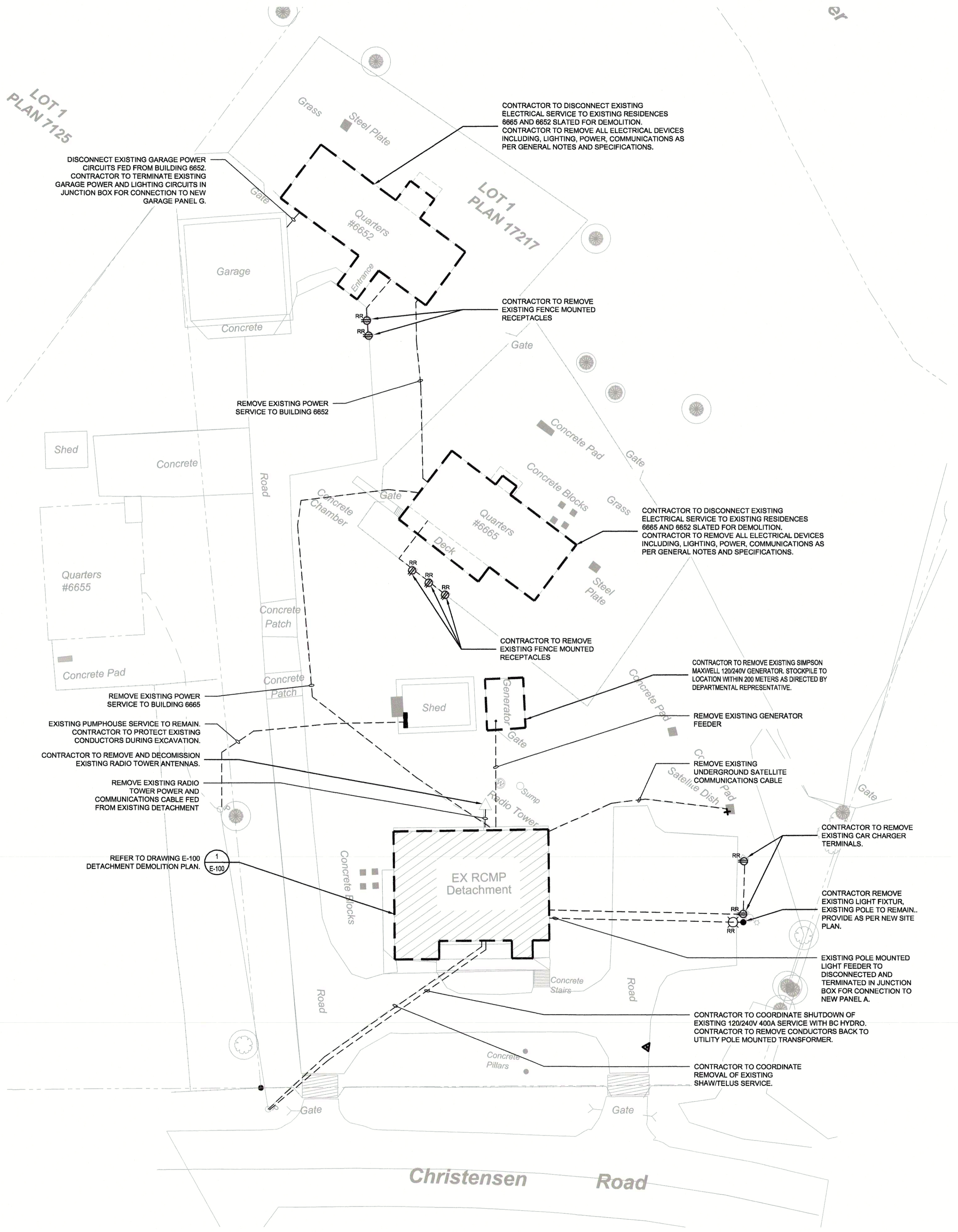
PWSSC Regional Manager, Architectural and Engineering Services / Gestionnaire régionale, Services architecturaux et de génie, TPSGC
Philip Fung

Drawing title/Titre du dessin
ELECTRICAL SINGLE LINE DIAGRAM - EXISTING AND NEW

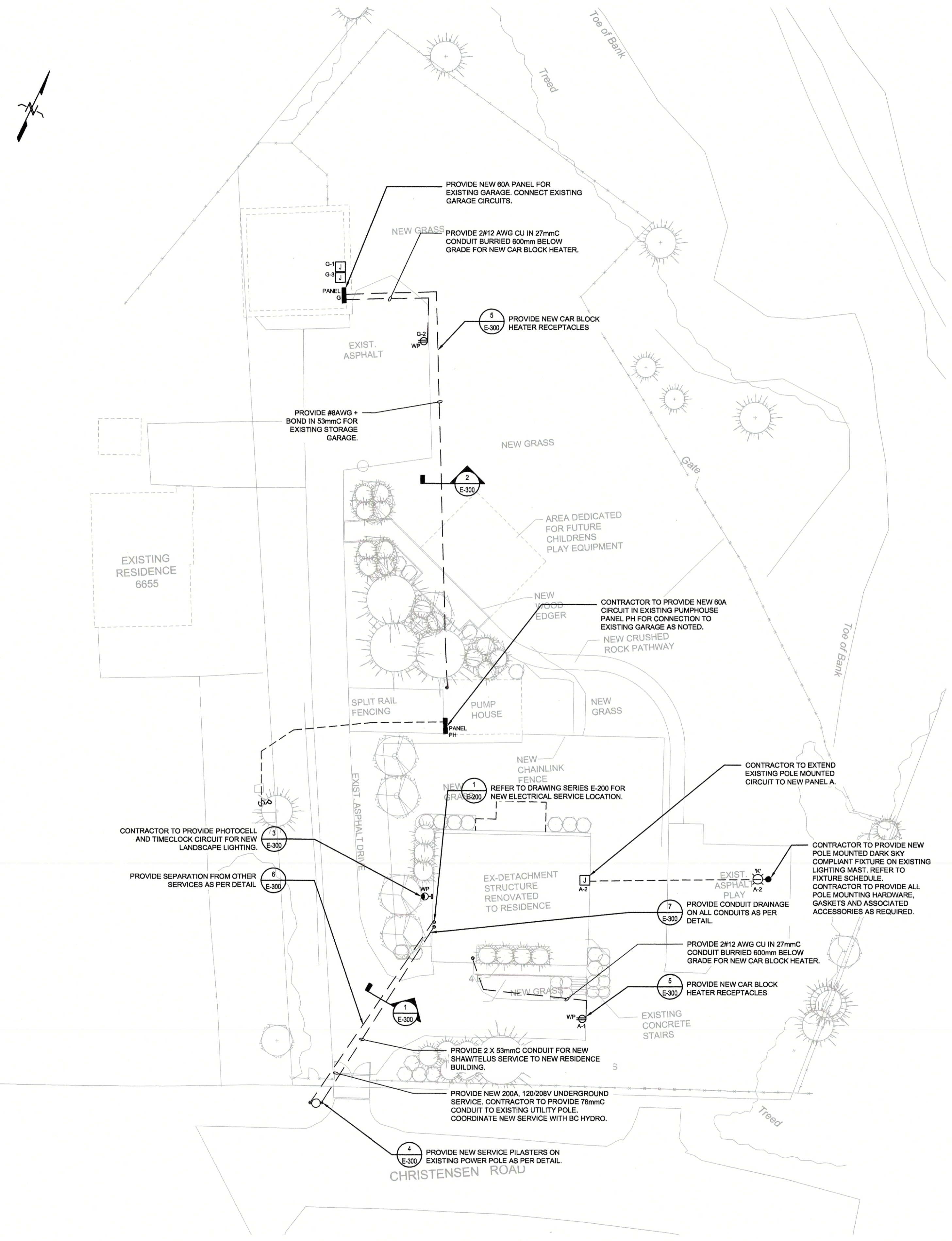
Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.103948.001	E-002	0



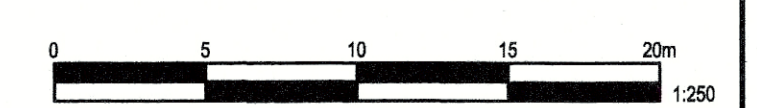
SITE NOTE:
CONTRACTOR TO LOCATE AND MARK EXISTING UNDERGROUND ELECTRICAL SITE SERVICES USING GROUND PENETRATING RADAR. CONTRACTOR TO CALL BC 1 CALL PRIOR TO TRENCHING NEW SERVICES.



1 ELECTRICAL SITE PLAN - DEMO
E-003 SCALE: 1:250



2 ELECTRICAL SITE PLAN - NEW
E-003 SCALE: 1:250



Revision No./Révis	Description/Description	Date/Date
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Client/Client
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RCMP ANAHIM LAKE HOUSING RENOVATIONS

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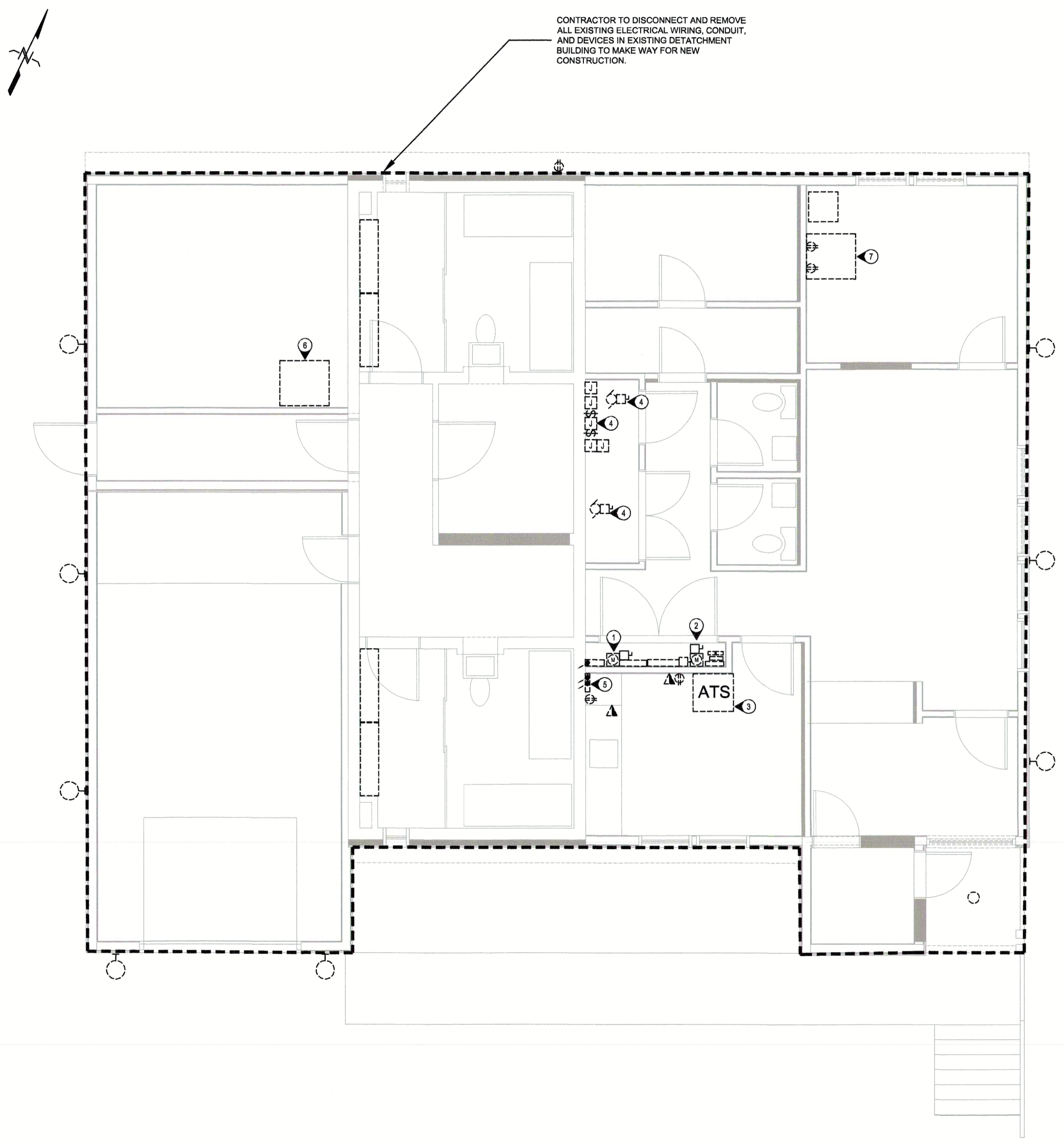
Drawing title/Titre du dessin
ELECTRICAL SITE PLAN DEMOLITION AND NEW

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.103948.001	E-003	0



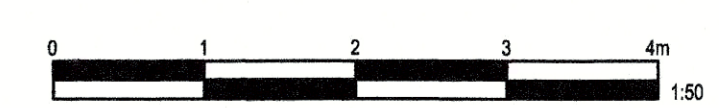
DEMOLITION NOTE:
1. CONTRACTOR TO NOTE THAT THE SCOPE OF DEMOLITION INCLUDES REMOVAL OF ALL ELECTRICAL AND COMMUNICATIONS DEVICES INCLUDING BUT NOT LIMITED TO LIGHTING, RECEPTACLES, DISTRIBUTION, JUNCTION BOXES, LOW VOLTAGE CONTROLS, CONDUIT, COVE AND SECURITY AND ASSOCIATED ELECTRICAL EQUIPMENT. CONTRACTOR TO ATTEND SITE ASSESSMENT TO CONFIRM FULL SCOPE OF DEMOLITION, ANY CLARIFICATION REQUIRED TO BE BROUGHT TO THE ATTENTION OF THE CONSULTANT FOR CLARIFICATION DURING TENDER. ADDITIONAL DEMOLITION SCOPE IDENTIFIED BY THE CONTRACTOR AFTER TENDER WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AT NO ADDITIONAL COST TO THE CLIENT.
2. ALL SERVICES FEEDING EXISTING RESIDENCES 8855 AND 8852 TO BE DISCONNECTED AND REMOVED AS PER SITE DRAWINGS.

KEYNOTES:
① CONTRACTOR TO COORDINATE SHUT/DOWN OF EXISTING SERVICE AND REMOVAL OF EXISTING SERVICE CONDUCTORS. CONTRACTOR TO REMOVE EXISTING WIREWAY, DISCONNECT, CONDUIT, CT CABINET AND METER BASE.
② CONTRACTOR TO REMOVE EXISTING DISTRIBUTION AND ELECTRICAL SERVICES INCLUDING EXISTING SUB ANALOG METERING, DISCONNECTS, SPLITTERS, PANELS AND ALARM CONTACTORS.
③ CONTRACTOR TO DISCONNECT EXISTING GENERATOR ATS AND HANDOVER TO OWNERS FORCES.
④ CONTRACTOR TO REMOVE EXISTING MECHANICAL ROOM ELECTRICAL DEVICES INCLUDING CONTACTORS, RELAYS, TIMELOCKS, ISOLATION TRANSFORMERS AND ASSOCIATED. CONTRACTOR TO DISCONNECT ALL MECHANICAL EQUIPMENT.
⑤ CONTRACTOR TO COORDINATE WITH SHAWTELUS TO REMOVE EXISTING SERVICE PULLBOX AND ASSOCIATED CONDUIT.
⑥ CONTRACTOR TO REMOVE EXISTING WALL MOUNTED COMMUNICATIONS AND ASSOCIATED NETWORK EQUIPMENT INCLUDING SATELLITE ROUTER AND NETWORK PATCH PANELS.
⑦ CONTRACTOR TO EXISTING CCTV 2 POST RACK, PULLBOX, CONDUIT AND WIRING.



CONTRACTOR TO DISCONNECT AND REMOVE ALL EXISTING ELECTRICAL WIRING, CONDUIT, AND DEVICES IN EXISTING DETACHMENT BUILDING TO MAKE WAY FOR NEW CONSTRUCTION.

1 ELECTRICAL FLOOR PLAN - DEMOLITION
E-100 SCALE: 1:50



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RCMP ANAHIM LAKE HOUSING RENOVATIONS

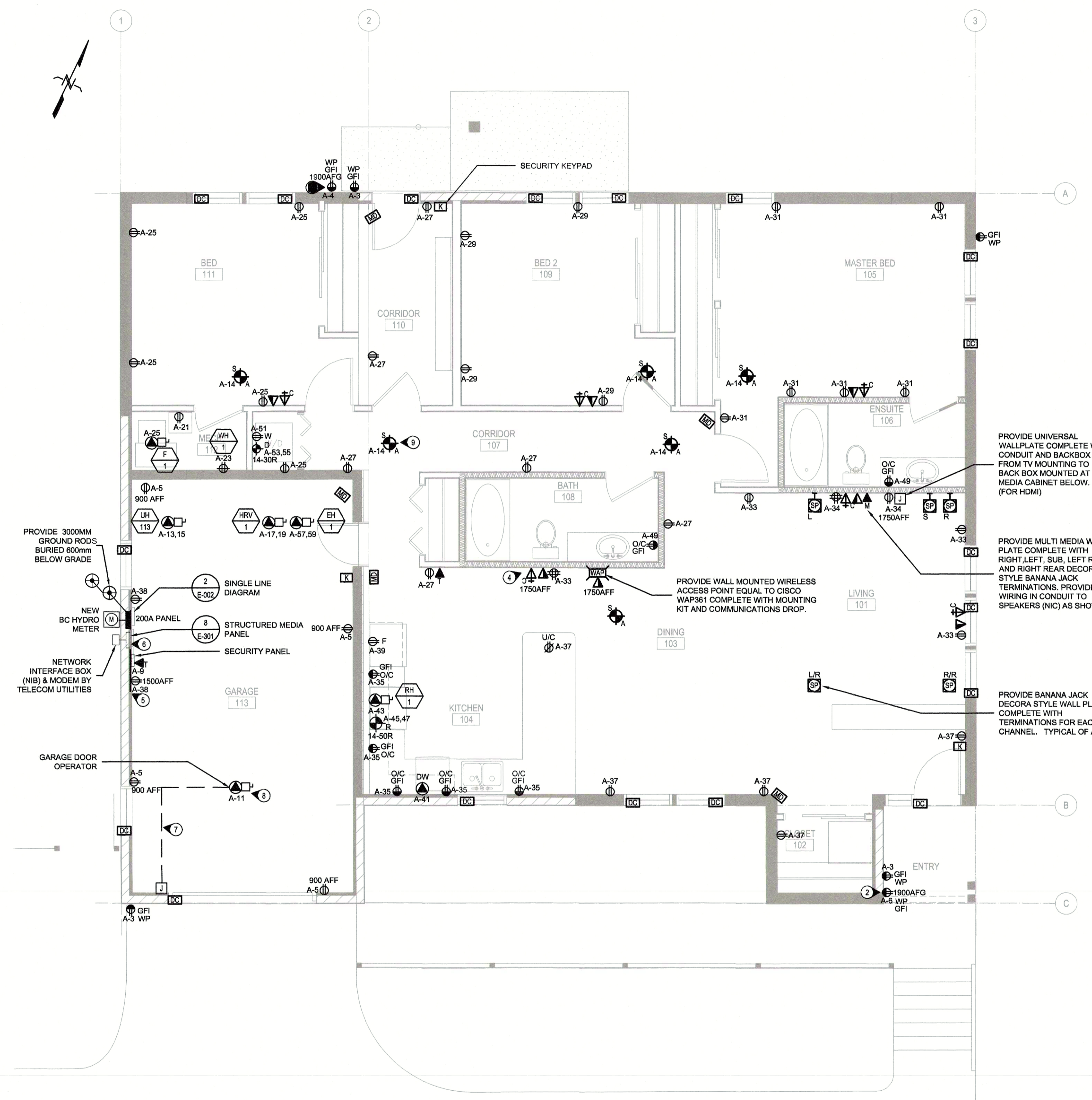
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PWGSC Project Manager/Administrateur de Projets TPSGC
Dianne Dy
PWGSC, Regional Manager, Architectural and Engineering Services /
Gestionnaire régionale, Services architecturaux et de génie, TPSGC
Philip Fung

Drawing title/Titre du dessin
ELECTRICAL SITE PLAN DEMOLITION AND NEW

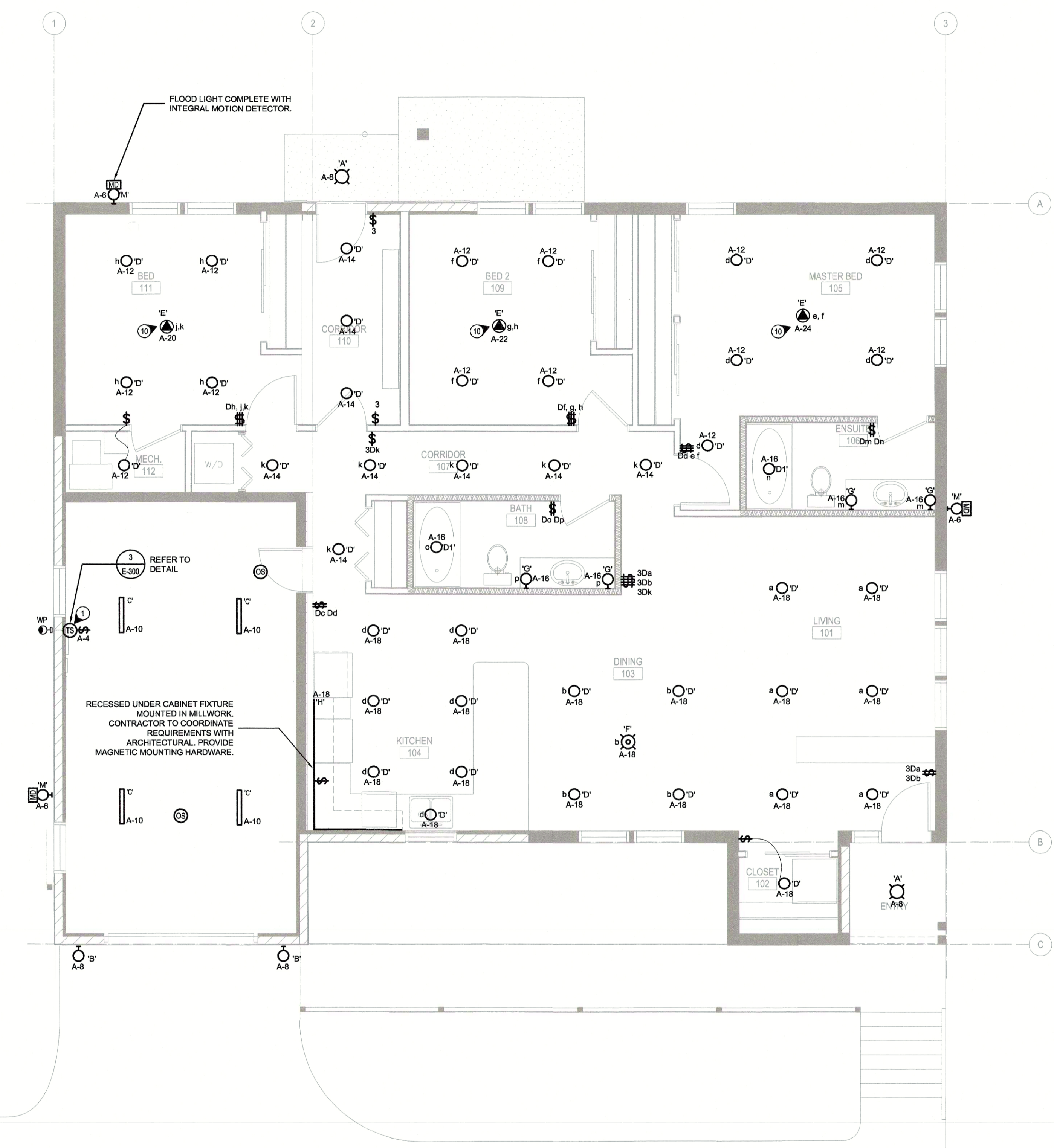
Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.103948.001	E-100	0

GENERAL NOTE:
 1. CONTRACTOR TO PROVIDE 27mm CONDUIT FOR LOW VOLTAGE SYSTEMS INCLUDING TELECOM, INTRUSION AND SMOKE ALARMS.

- KEYNOTES:**
- CONTRACTOR TO PROVIDE NEW ASTRONOMICAL TIME CLOCK CIRCUIT FOR LANDSCAPE AND EXTERIOR LIGHTING.
 - CONTRACTOR TO MOUNT SWITCHED RECEPTACLE BELOW SOFFIT FOR SEASONAL LIGHTING. CONNECT TO EXTERIOR TIME CLOCK CIRCUIT.
 - NOT USED.
 - CONTRACTOR TO PROVIDE 27mm CONDUIT TO SHAWTELUS PANEL LOCATED IN GARAGE FOR COMMUNICATIONS, TELEVISION COAX AND TELEPHONE SYSTEMS. CONTRACTOR TO PROVIDE ALL WIRING TO SHAWTELUS DEMARCATION. TYPICAL OF ALL.
 - CONTRACTOR TO PROVIDE FIRE RATED PLYWOOD BACKBOARD PAINTED TO MATCH NEW SURFACE. COORDINATE WITH ARCHITECTURAL.
 - CONTRACTOR TO PROVIDE 28" STRUCTURED MEDIA CABINET EQUAL TO LEVITON 4865-28X FOR MOUNTING OF NEW TELECOM MODEM AND ASSOCIATED EQUIPMENT. PANEL TO COME COMPLETE WITH CAT 6 NETWORK PATCH BAY, TELEPHONE PATCH BAY, PATCH CORDS, CATY SPLITTERS, SHELF BRACKETS, SADDLE TIES AND ALL MOUNTING ACCESSORIES. PROVIDE WITH 2 INTEGRATED SURGE PROTECTED RECEPTACLES. REFER TO DETAIL.
 - CONTRACTOR TO PROVIDE 27mmG FROM DOOR OPERATOR TO GARAGE DOOR PHOTO EYE BY OTHERS. COORDINATE WITH DOOR SUPPLIER FOR EXACT REQUIREMENTS.
 - CONTRACTOR TO PROVIDE RELAY, CONDUIT AND LOW VOLTAGE CONNECTION TO SECURITY PANEL TO ALLOW DOOR CONTACTOR OVERRIDE UPON INPUT FROM DOOR OPERATOR. SECURITY SYSTEM TO ALLOW SEPARATE GARAGE ZONE FOR ADDITIONAL ARMED/ISARM DELAY.
 - CONTRACTOR TO PROVIDE 3#12 AWG CU FROM EACH COMBINATION COX/COKE ALARM AND FROM THE BRANCH CIRCUIT PANEL A.
 - CEILING FAN WITH DEDICATED SWITCH FOR THE FAN CONTROL AND THE INTEGRAL LIGHTING. PROVIDE METAL OCTAGON BOX AND BACKING THAT IS RATED FOR CARRYING A FAN.



1 ELECTRICAL POWER AND SYSTEMS PLAN - NEW
 E-200 SCALE: 1:50



2 ELECTRICAL LIGHTING PLAN - NEW
 E-200 SCALE: 1:50



Revision/Revisión	Description/Description	Date/Date
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Client/Client

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Project title/Titre du projet

**RCMP ANAHIM LAKE
 HOUSING RENOVATIONS**

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Designed by/Concept par
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Drawn by/Dessiné par
MRO

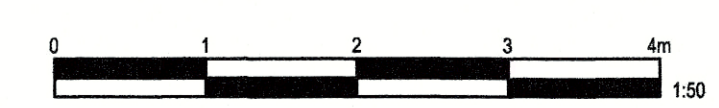
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Philip Fung

Drawing title/Titre du dessin

**ELECTRICAL POWER & SYSTEMS
 LIGHTING PLANS - NEW**

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.103948.001	E-200	0



LIGHTING FIXTURE SCHEDULE						
FIXTURE TYPE	DESCRIPTION	TYPICAL LOCATION	MINIMAL ACCEPTABLE STANDARD	VOLTAGE	LIGHT SOURCE	NOTES
A	EXTERIOR CEILING MOUNT SEMI FLUSH	EXTERIOR ENTRANCE	BEGA - 55 942 - J3	120V	744L, 8.7W, 3000K	IP65 WET LOCATION RATED COMPLETE WITH 120V DRIVER AND QUICK CONNECT CABLE
B	EXTERIOR WALL SCONCE	GARAGE EXTERIOR	DALS - LEDWALL010 - SZ	120V	540L, 7W, 3000K	WEATHERPROOF EXTERIOR FIXTURE COMPLETE WITH INTEGRAL DRIVER
C	SURFACE MOUNT STRIP	GARAGE INTERIOR	SIGNIFY - FS8E2-4-40L-835-UNV-LXR10	120V	3653L, 32W, 3000K	COMPLETE WITH INTEGRAL MOTION SENSOR
D	RECESSED DOWNLIGHT	INTERIOR	WILLIAMS, HOUSING: 4DR-TL15-80-30-01A-UNV TRIM: O-M-SG-MWT MOUNTING: N	120V	147L, 13.9W, 3000K	
D1	WET LOCATION RECESSED DOWNLIGHT	WASHROOM	WILLIAMS, HOUSING: 4DR-TL15-80-30-01A-UNV TRIM: S-M-SG-WET-CC MOUNTING: N	120V	1319L, 13.9W, 3000K	WET LOCATION, AIR TIGHT, NON CONDUCTIVE VERSION FOR SHOWER APPLICATION
E	CEILING FAN	BEDROOM	SPECIFIED BY OTHERS	120V		
F	SUSPENDED FEATURE	LIVING ROOM	EUREKA - 4428-10-RAP-7-LED9-30-120-0V-C-80-WHE-WH-4902	120V		FAN LIGHT AND SWITCH TO BE SWITCHED VIA WALL SWITCH AT ROOM ENTRANCE.
G	WALL MOUNT VANITY	WASHROOM	ASTRO - TAKETA WALL 7833	120V		PROVIDE LED BULB
H	UNDERCABINET	KITCHEN	VLT-ELL-8SL-4740-30-AL-0-LENGTH PER DRAWINGS - WE1-UL-MAG	120V		PROVIDE MAGNETIC MOUNTING SYSTEM
J	NOT USED					
K	EXTERIOR POLE MOUNT	EXTERIOR PLAY AREA	HE WILLIAMS - VA1-L110-7-30-T4-F-S-GRAY-0F-0M	120V		
M	EXTERIOR FLOOD LIGHT	PERIMETER LIGHTING	WAC - WP-LED335-30-AGH MOTION DETECTOR: MS-120-GY	120V		

RCMP Anahim Lake Renovation		Project No: 191-10513-00		MECHANICAL EQUIPMENT SCHEDULE																							
TAG	DESCRIPTION	LOCATION	POWER REQUIREMENTS										STARTER			DISCONNECT			CONTROL DEVICE			NOTES					
			HP	KW	VOLTS	RH	AMPS FLA	MCA	OVERCURRENT	SOURCE	FEEDERS	Single Pt Conn	Type	Location	S	I	W	Type	S	I	W		Type	S	I	W	
WH-1	Propane fired water heater	Mech Room			120	1					15	A	2#12AWG CU + BOND IN 27mmC	Y	SS		M	M	M	E	E	E	T	M	M	M	1,16,17
F-1	Gas Fired Furnace	Mech Room	1		120	1					15	A	2#12AWG CU + BOND IN 27mmC	Y	SS		M	M	M	E	E	E	T	M	M	M	1,16
HRV-1	Heat Recovery Ventilator	Garage			120	1	1.5				15	A	2#12AWG CU + BOND IN 27mmC	Y	SS		M	M	M	E	E	E	T	M	M	M	1,16
EHC-1	Duct Heaters - Electric	Garage		3	240	1					20	A	2#12AWG CU + BOND IN 27mmC	Y	SS		M	M	M	E	E	E	T	M	M	M	1,16
UH-113	Electric unit heater	Garage		3	240	1					20	A	2#12AWG CU + BOND IN 27mmC	Y	SS		M	M	M	E	E	E	T	M	M	M	1,16
RH-1	Range Hood	Kitchen			120	1	1.5				15	A	2#12AWG CU + BOND IN 27mmC	Y	SS		M	M	M	E	E	E	SS	M	M	M	1

LEGEND
 Ex = Existing W = Wired E = by Electrical DSC = Appliance Unfused Disconnect HOA = Magnetic Hand/Off/Auto REL = Relay AM = Arminder Timer HUM = Humidistat RAS = Rev Acting Stat DISCONNECT
 I = Installed wit = wire to M = by Mechanical FASR = Fire Alarm System Relay MAG = Magnetic starter, no external control SS = Start/Stop CO = CO detector I = Interlock T = Thermostat ND - Non - Fused Disconnect FD - Fused Disconnect
 S = Supplied O = by Others OA = Off/Auto MAN = Unfused Manual Starter VFD = Var. Freq. Drive DDC = Bldg Automation (BAS) M = Manual TC = Time Clock

GENERAL NOTES
 1. Magnetic starters with pilot light and four auxiliary dry contacts for interlocks, 2 NO and 2 NC; thermal overload protection (review Mechanical shop drawings to ensure proper selection); flexible connections for power wiring to all equipment.
 2. Electrical to confirm that all electrical panels in mechanical rooms can fit into the allocated space. (Electrical to review panel shop drawings for dimensions.) Shafts for ducts and/or pipes cannot used for electrical distribution.
 3. Line voltage thermostats shall be supplied by Mechanical and installed by Electrical.

- NOTES:**
 1. PROVIDE DISCONNECT FOR UNIT (WEATHERPROOF WHERE REQUIRED).
 2. MOUNT AND CONNECT TO MECHANICALLY SUPPLIED STARTER/VFD
 3. MOUNT AND CONNECT TO MECHANICALLY SUPPLIED THERMOSTAT
 4. CONTROLS BY MECHANICAL
 5. UNIT TO SHUT OFF ON FIRE ALARM ACTIVATION
 6. CONTROLLED VIA DDC, BY MECHANICAL
 7. PROVIDE AND INSTALL 24V DC CONTACTOR FOR CONTROL BY MECHANICAL
 8. PROVIDE AND INSTALL ON/OFF SWITCH COMPLETE WITH PILOT LIGHT
 9. CONNECT TO 2P OCCUPANCY SENSOR
 10. UNIT TO RUN CONTINUOUSLY
 11. PROVIDE AND INSTALL COMBINATION MAGNETIC STARTER C/W H/O/A SWITCH
 12. PROVIDE AND INSTALL COMBINATION MAGNETIC STARTER C/W H/O/A SWITCH IN MCC
 13. PROVIDE AND INSTALL RECEPTACLE ON UNIT WITH WEATHER PROOF COVER
 14. CONNECT TO FLUID COOLER CONTROL PANEL; AND FROM CONTROL PANEL TO THE HEATER, FAN AND PUMP. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS
 15. PROVIDE 15A RECEPTACLE CONNECTION
 16. PROVIDE 21mmC FROM MECHANICAL CONTROLS TO UNIT
 17. CONFIRM ON SITE DIRECT CONNECTION OR RECEPTACLE CONNECTION

NEW PANEL G											
Voltage: - 120/240V, 3P, 4W Location: - GARAGE Mounting: - Flush Bus Size: - 60A Fault Current Rating: - 10 KA Other: - COMBINATION PANEL 60A BREAKER											
CCT	Description	Bkr	X	A	B	X	Bkr	Description	CCT		
1	EXISTING GARAGE POWER CIRCUITS	15A	X				20A	EXTERIOR CAR BLOCK HEATER	2		
3	EXISTING GARAGE POWER CIRCUITS	15A		X					4		
5				X					6		
7				X					8		
9				X					10		
11				X					12		
13				X					14		
15				X					16		
17				X					18		
19				X					20		
21				X					22		
23				X					24		

EXISTING PANEL PH											
Voltage: - 120/240V, 3P, 4W Location: - PUMPHOUSE Mounting: - Flush Bus Size: - 100A Fault Current Rating: - 10 KA Other: - COMBINATION PANEL 100A BREAKER											
CCT	Description	Bkr	X	A	B	X	Bkr	Description	CCT		
1	BLANK	15A		X			60A	GARAGE PANEL G	2		
3	BLANK	15A		X					4		
5	BLANK	15A		X					6		
7	EXISTING HEAT TAPE	15A			X				8		
9	EXISTING WELL PUMP	20A		X			15A	EXISTING FAN	10		
11	EXISTING ALARM SYSTEM	15A		X			15A	EXISTING PUMP	12		
13	EXISTING LIGHTING	15A		X			15A	EXISTING RECEPTACLES	14		
15	EXISTING RECEPTACLES	15A		X			15A	EXISTING HEAT	16		
17	BLANK	15A		X					18		
19	BLANK	15A		X					20		
21	BLANK	15A		X					22		
23	BLANK	15A		X			100A	EXISTING SERVICE DISCONNECT	24		

NEW PANEL A											
Voltage: - 120/240V, 3P, 4W Location: - RESIDENCE GARAGE 113 Mounting: - Flush Bus Size: - 225A Fault Current Rating: - 10 KA Other: - COMBINATION PANEL 200A BREAKER											
CCT	Description	Bkr	X	A	B	X	Bkr	Description	CCT		
1	CAR BLOCK HEATER	15A		X			20A	LIGHTING - PLAY COURT POLE	2		
3	EXTERIOR - RECEPTACLE GFCI	15A		X			20A	PHOTOCELL/TIMECLOCK/RELAYS	4		
5	GARAGE - RECEPTACLES	15A		X			20A	LIGHTING - EXTERIOR FLOOD	6		
7	MEDIA CENTER PANEL POWER	15A		X			20A	LIGHTING - EXTERIOR ENTRANCE	8		
9	SECURITY PANEL POWER	15A		X			20A	LIGHTING - GARAGE	10		
11	GARAGE DOOR OPERATOR	15A		X			20A	LIGHTING - BEDROOMS	12		
13		20A		X			20A	LIGHTING - CORRIDORS	14		
15	GARAGE UH-113	20A		X			20A	LIGHTING - WASHROOMS	16		
17		20A		X			20A	LIGHTING - KITCHEN / LIVING	18		
19	GARAGE HRV-1	20A		X			15A	BEDROOM (111) CIRCULATION FAN	20		
21	FURNACE F-1	15A		X			15A	BEDROOM (109) CIRCULATION FAN	22		
23	WATER HEATER WH-1	15A		X			15A	BEDROOM (105) CIRCULATION FAN	24		
25	BED 111 - RECEPTACLES	15A		X					26		
27	CORRIDOR RECEPTACLES	15A		X					28		
29	BED 109 - RECEPTACLES	15A		X					30		
31	BED 105 - RECEPTACLES	15A		X					32		
33	LIVING ROOM - RECEPTACLES	15A		X			15A	LIVING ROOM MEDIA RECEPTACLE	34		
35	KITCHEN - RECEPTACLES GFCI	15A		X			15A	SMOKE ALARMS (RED BREAKER)	36		
37	LIVING - RECEPTACLES	15A		X			15A	GARAGE PANEL RECEPTACLE	38		
39	FRIDGE	15A		X			15A	SPARE	40		
41	DISHWASHER	15A		X			15A	SPARE	42		
43	RANGE HOOD	15A		X			15A	SPARE	44		
45	RANGE	50A		X			15A	SPARE	46		
47		50A		X			15A	SPARE	48		
49	WASHROOM - RECEPTACLES GFCI	15A		X			15A	SPARE	50		
51	WASHER	15A		X			15A	SPARE	52		
53	DRYWWR	30A		X			15A	SPARE	54		
55		30A		X			15A	SPARE	56		
57	GARAGE BH-1	20A		X			15A	SPARE	58		
59		20A		X			15A	SPARE	60		



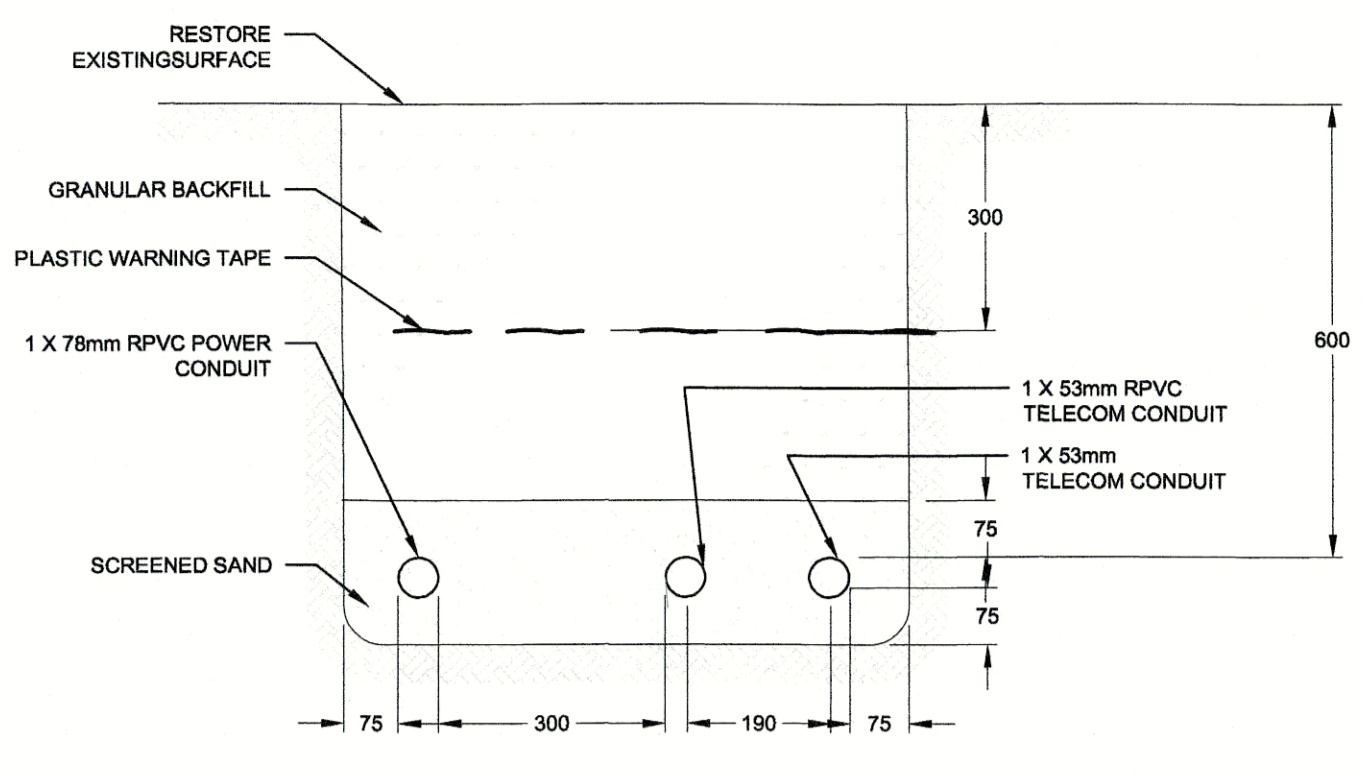
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0	ISSUED FOR TENDER	2019-12-09
B	90% REVIEW SUBMISSION	2019-10-21
A	50% REVIEW SUBMISSION	2019-09-06

RCMP
 14200 Green Timbers Way
 Surrey, B.C.

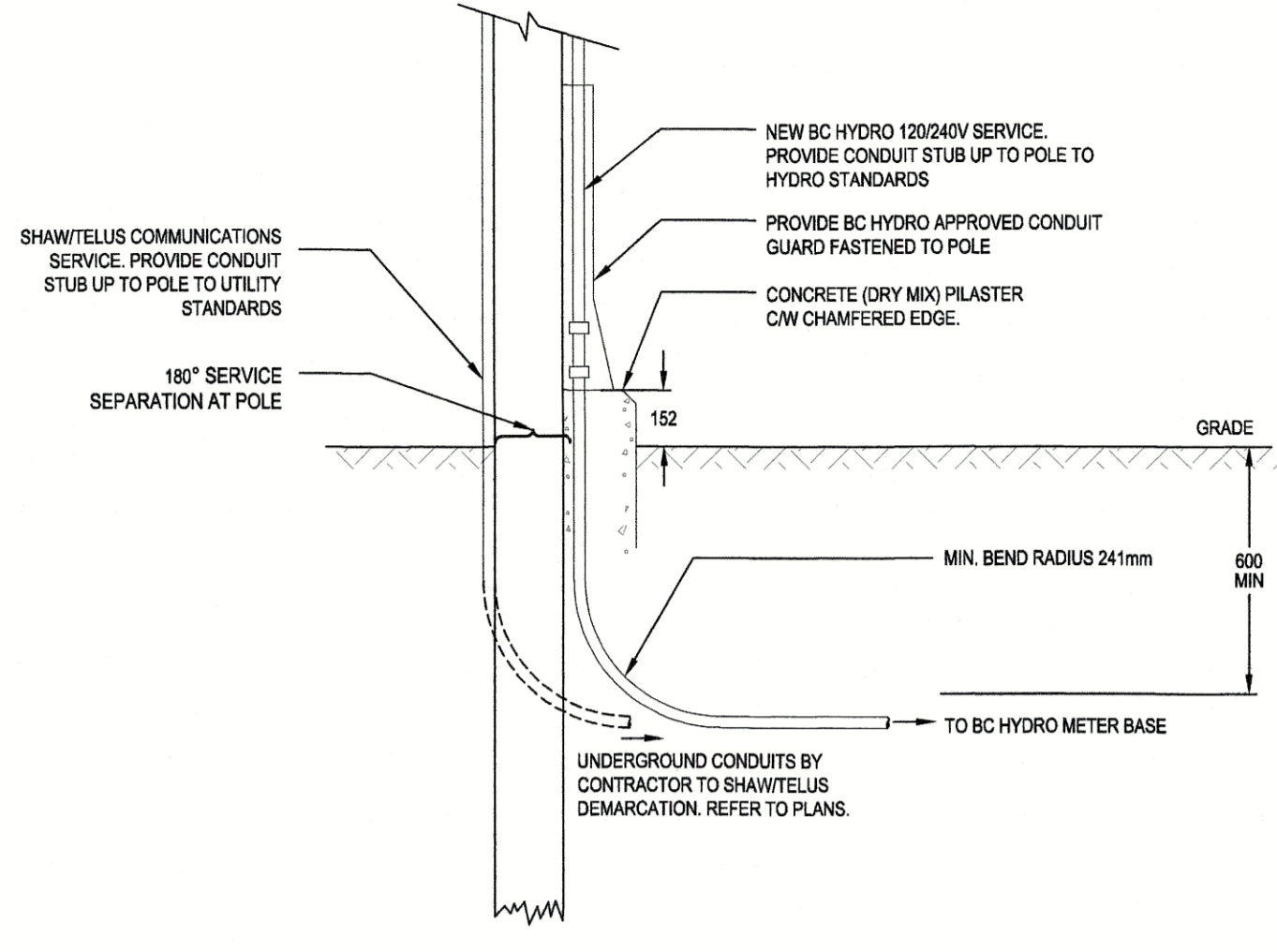
Project title/Titre du projet
RCMP ANAHIM LAKE HOUSING RENOVATIONS

Consultant Signature Box Only
 Designed by/Concept par
MRO
 Drawn by/Dessiné par
MRO
 PWGSC Project Manager/Administrateur de Projets TPSGC
Dianne Dy
 PWGSC Regional Manager, Architectural and Engineering Services
 Gestionnaire régionale, Services d'architecture et de génie, TPSGC
Philip Fung

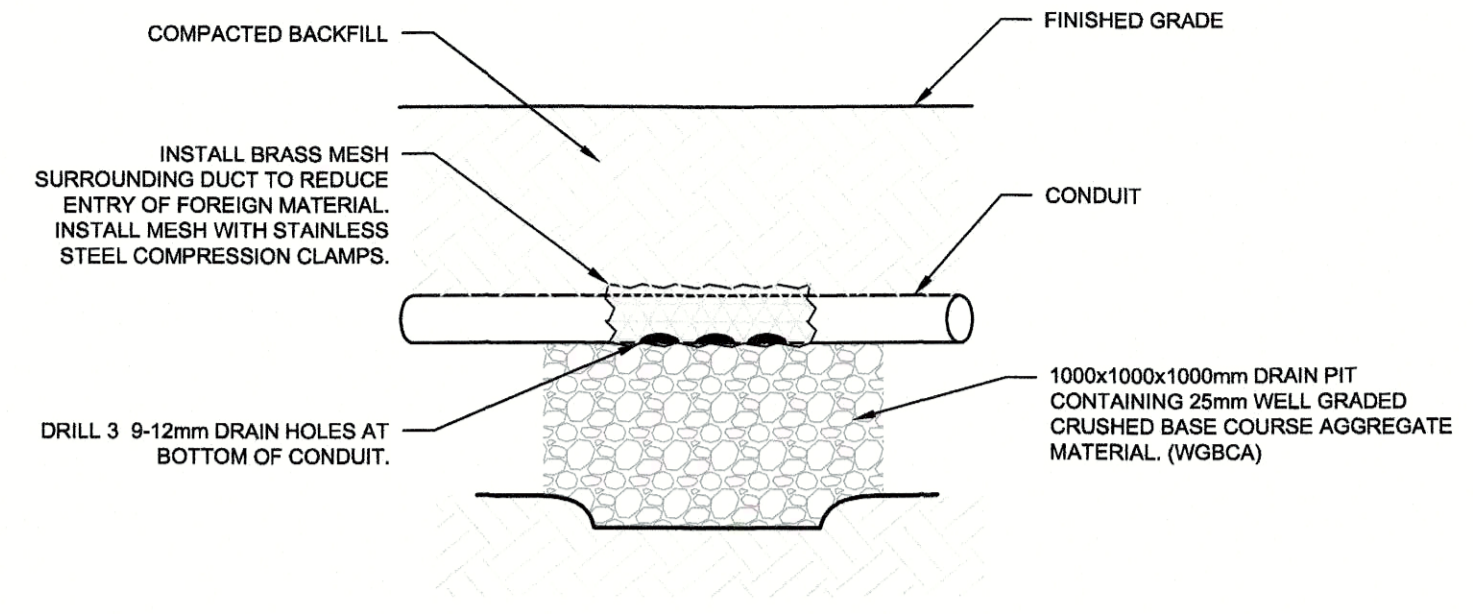
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ELECTRICAL SCHEDULES



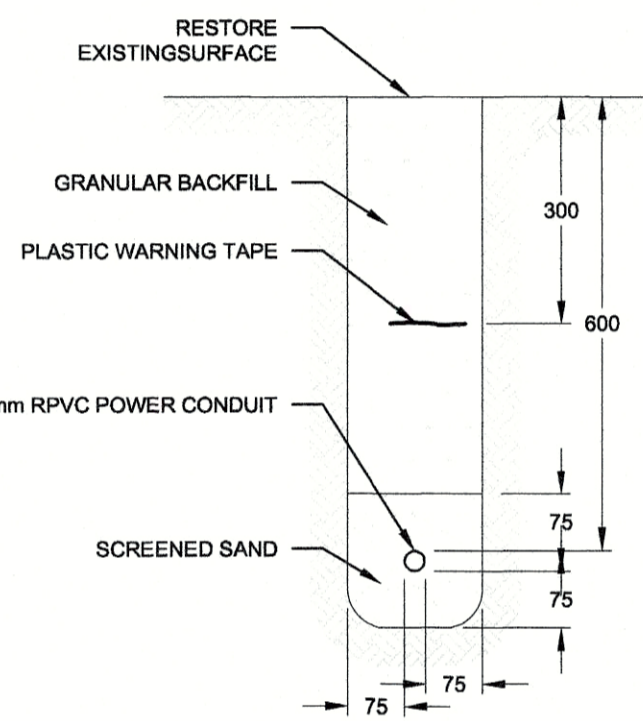
1 UTILITY TRENCH DETAIL
E-301 SCALE: 1:10



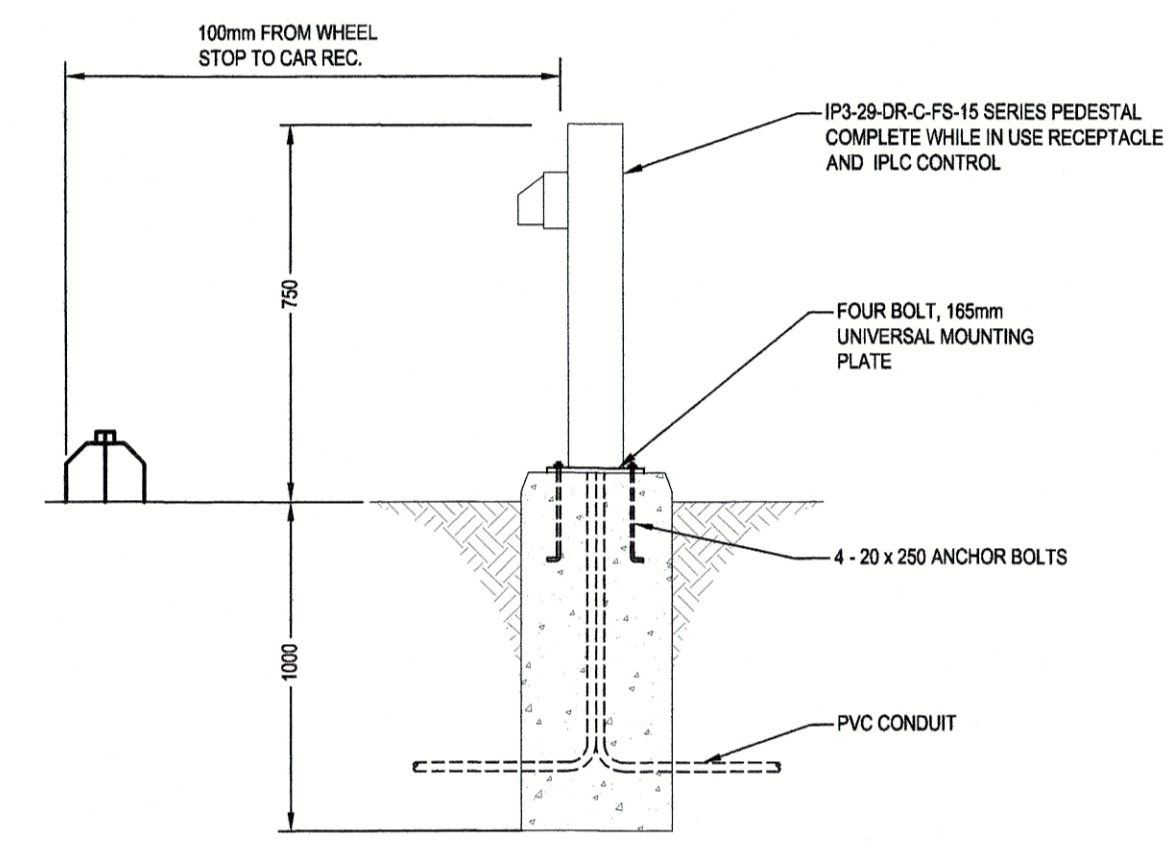
4 SERVICE DIP DETAIL
E-301 SCALE: 1:10



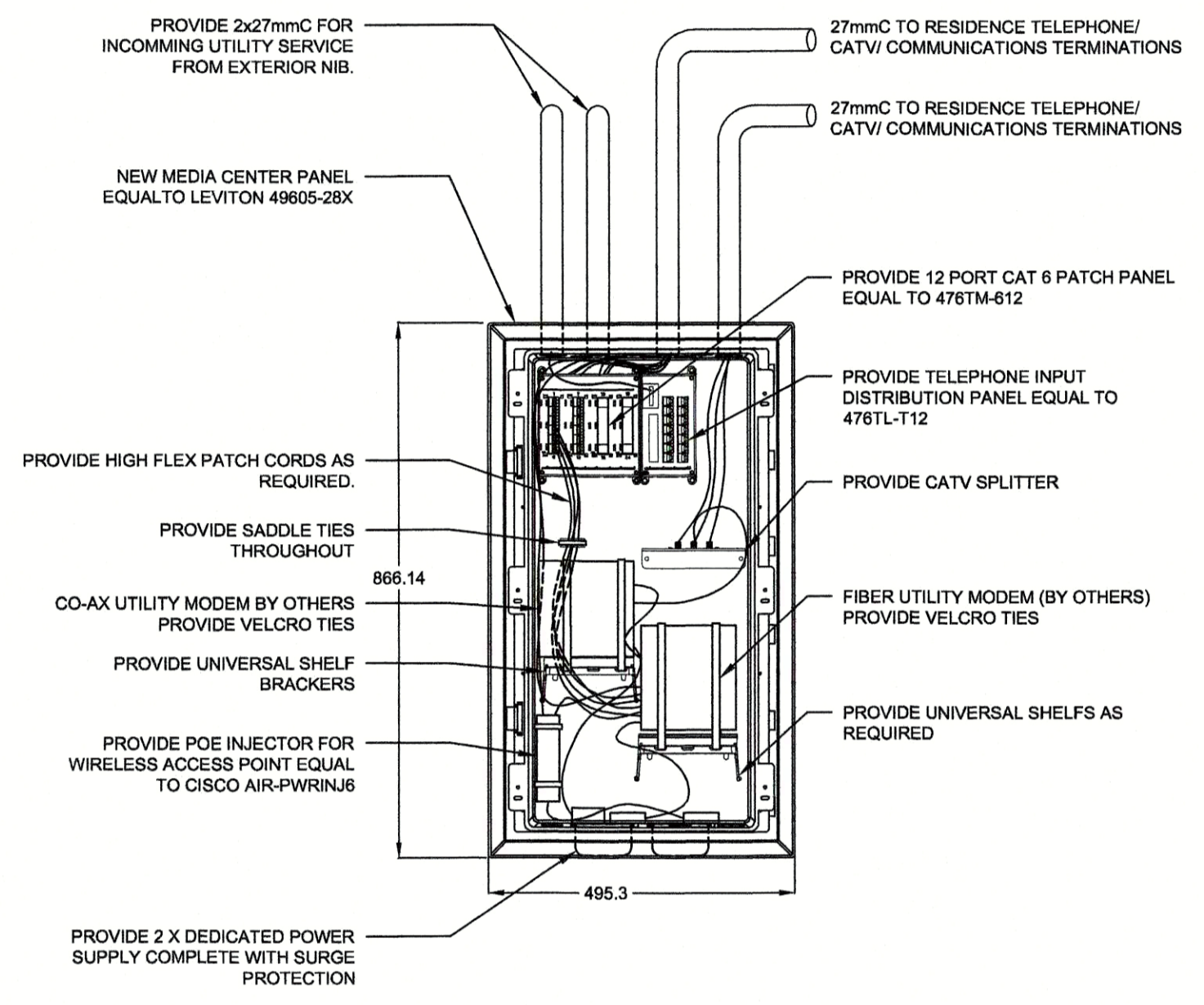
7 SERVICE SEPERATION DETAIL
E-301 SCALE: NTS



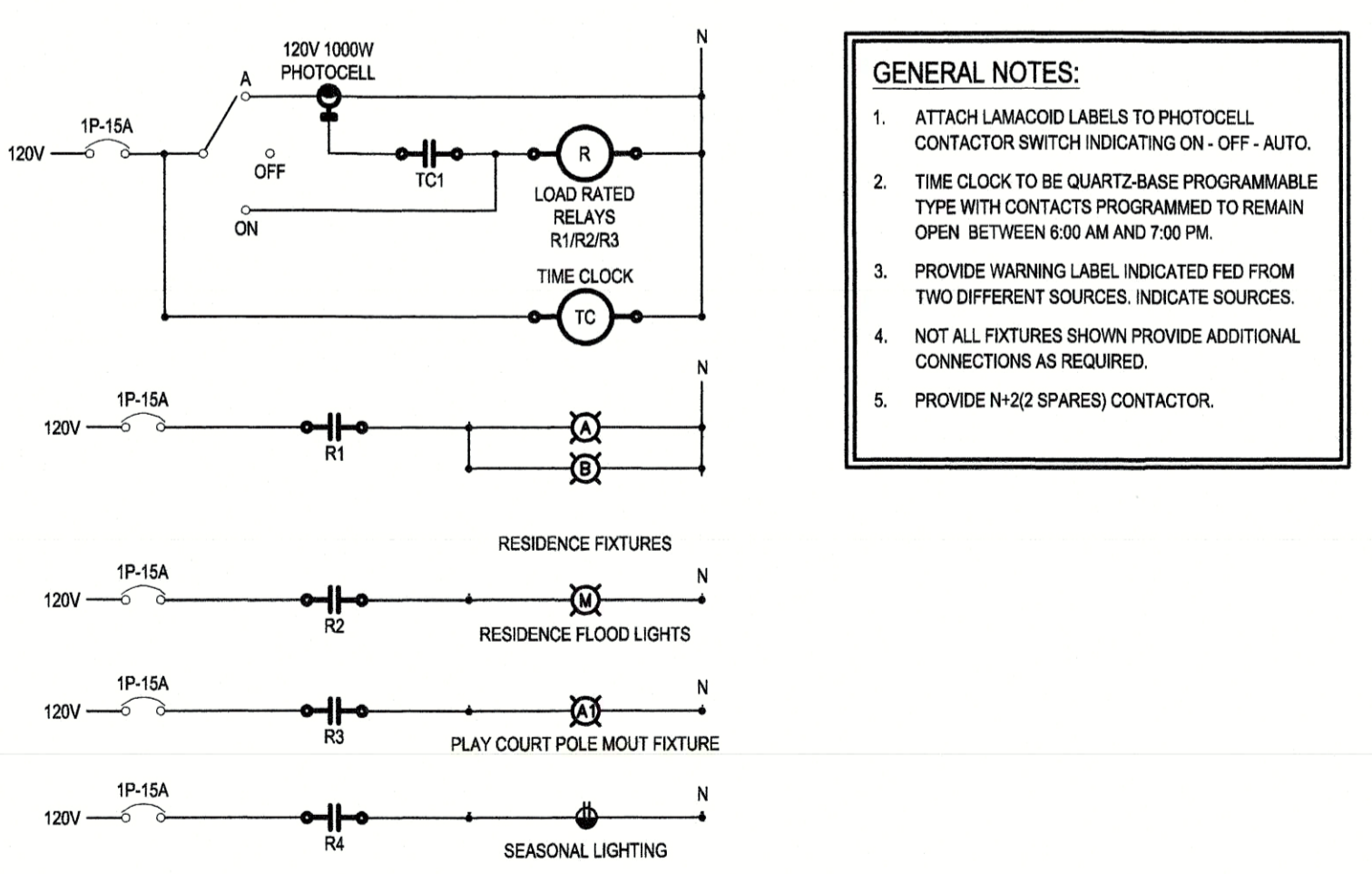
2 GARAGE & PERGOLA TRENCH DETAIL
E-301 SCALE: 1:10



5 BLOCK HEATER PEDESTAL DETAIL
E-301 SCALE: NTS



8 MEDIA CENTER DETAIL
E-301 SCALE: NTS

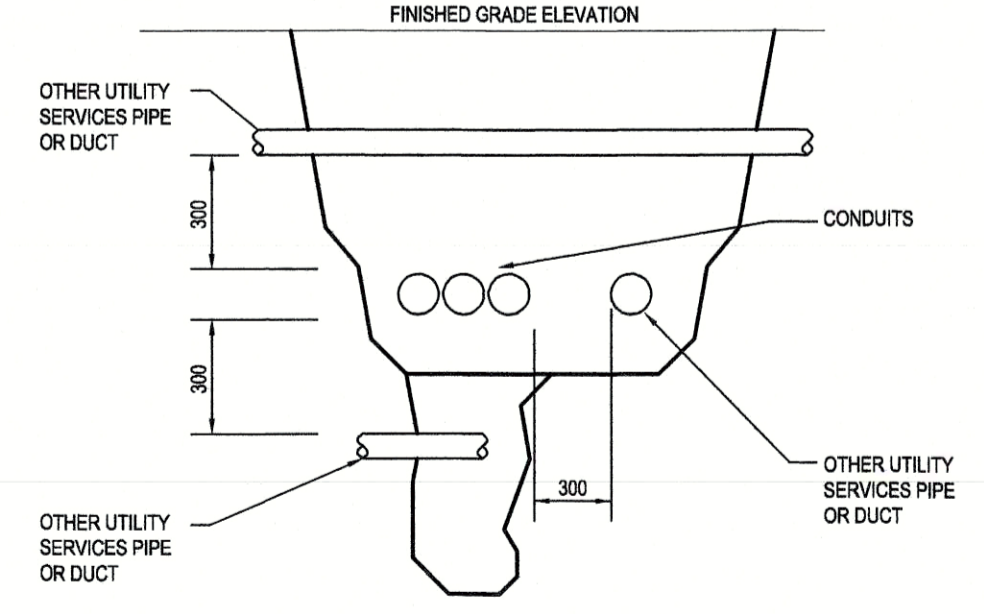


3 EXTERIOR LIGHTING CONTROL BLOCK DIAGRAM
E-301 SCALE: 1:10

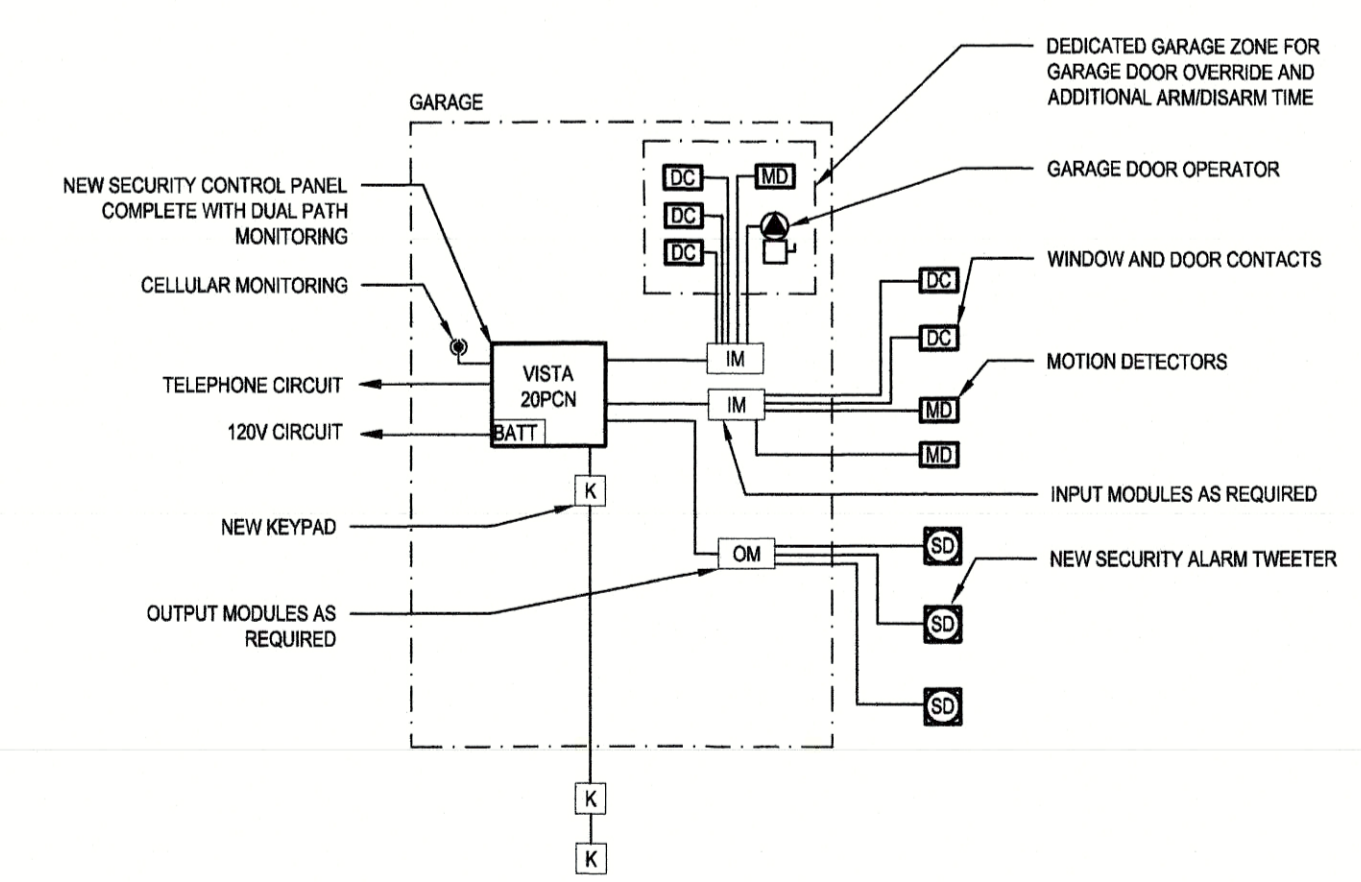
GENERAL NOTES:
 1. ATTACH LAMACOID LABELS TO PHOTOCCELL, CONTACTOR SWITCH INDICATING ON-OFF-AUTO.
 2. TIME CLOCK TO BE QUARTZ-BASE PROGRAMMABLE TYPE WITH CONTACTS PROGRAMMED TO REMAIN OPEN BETWEEN 6:00 AM AND 7:00 PM.
 3. PROVIDE WARNING LABEL INDICATED FED FROM TWO DIFFERENT SOURCES, INDICATE SOURCES.
 4. NOT ALL FIXTURES SHOWN PROVIDE ADDITIONAL CONNECTIONS AS REQUIRED.
 5. PROVIDE N/2(2 SPARES) CONTACTOR.

MAINTAIN REQUIRED DISTANCE FROM OTHER STRUCTURES AS FOLLOWS:

STRUCTURE	CONDUIT	MINIMUM SEPARATION	MANHOLE
POWER OR OTHER FOREIGN CONDUIT		100mm OF CONCRETE OR BRICK MASONRY, OR 300mm OF EARTH	100mm
PFRS (GAS, OIL, WATER)		300mm	300mm



6 SERVICE SEPERATION DETAIL
E-301 SCALE: NTS



9 SECURITY SYSTEM BLOCK DIAGRAM
E-301 SCALE: NTS

PROFESSIONAL ENGINEER
 B.L. O'CONNOR
 Dec 6, 2019

Revision/	Description/	Date/
0	ISSUED FOR TENDER	2019-12-09
B	99% REVIEW SUBMISSION	2019-10-21
A	50% REVIEW SUBMISSION	2019-09-06

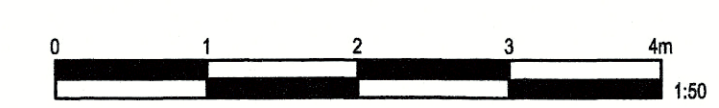
RCMP
 14200 Green Timbers Way
 Surrey, B.C.

RCMP ANAHIM LAKE HOUSING RENOVATIONS

Client/Client
 Project title/Titre du projet
 Consultant Signature Box Only
 Designed by/Concept par
MRO
 Drawn by/Dessiné par
MRO
 PWGSC Project Manager/Administrateur de Projets TPSGC
Dianne Dy
 PWGSC, Regional Manager, Architectural and Engineering Services
 Gestionnaire régionale, Services d'architecture et de génie, TPSGC
Philip Fung

Drawing title/Titre du dessin
ELECTRICAL DETAILS

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.103948.001	E-301	0





KEITH N. GRANT
LANDSCAPE ARCHITECTURE LTD.

0	ISSUED FOR TENDER	2019 12 09
B	90% REVIEW SUBMISSION	2019 10 25
A	50% REVIEW SUBMISSION	2019 10 25
Revision	Description/Description	Date/Date
Revision		

RCMP
14200 Green Timbers Way
Surrey, B.C.

RCMP ANAHIM LAKE HOUSING RENOVATIONS

Consultant Signature Box Only

Designed by/Concept par
KNG
Drawn by/Dessiné par
KNG
PWGSC Project Manager/Administrateur de Projets TFSGC
Philip Fung

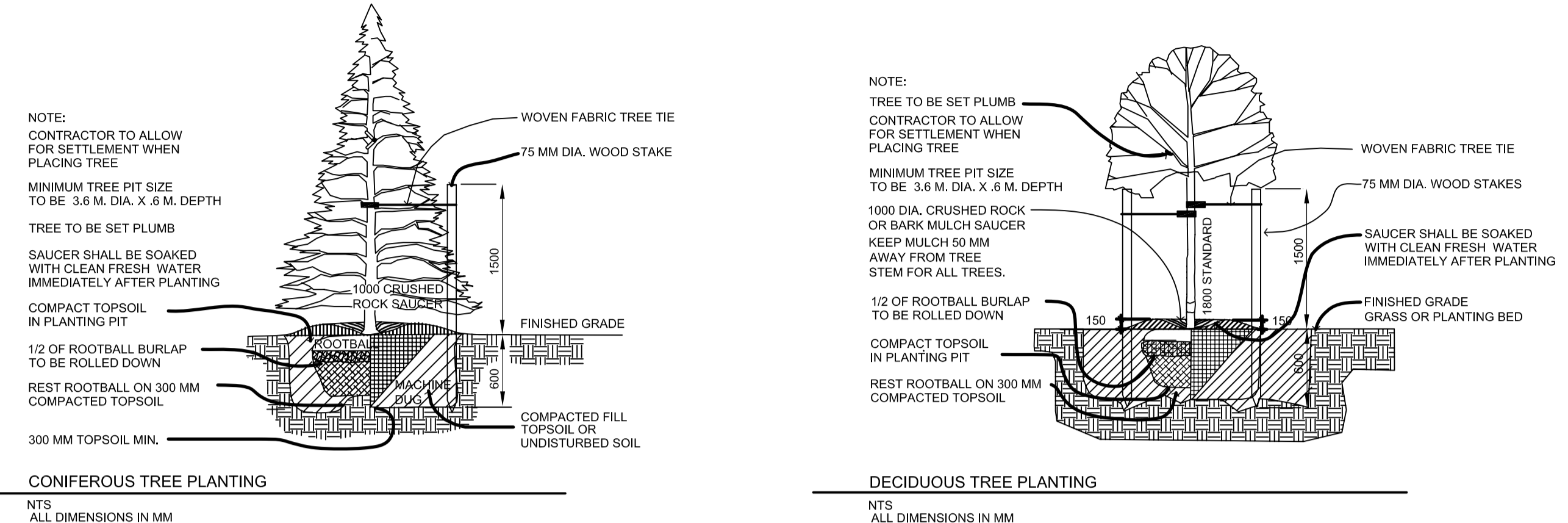
Prepared by
Preetpal Paul

LANDSCAPE PLAN

Project No./No. du projet
R.103948.001

Sheet/ Feuille
L1

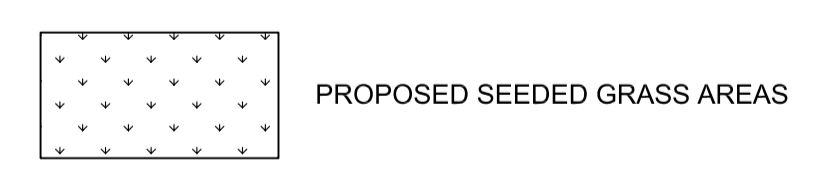
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GENERAL NOTES

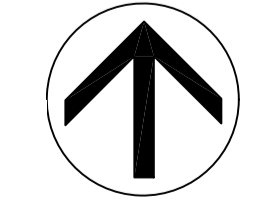
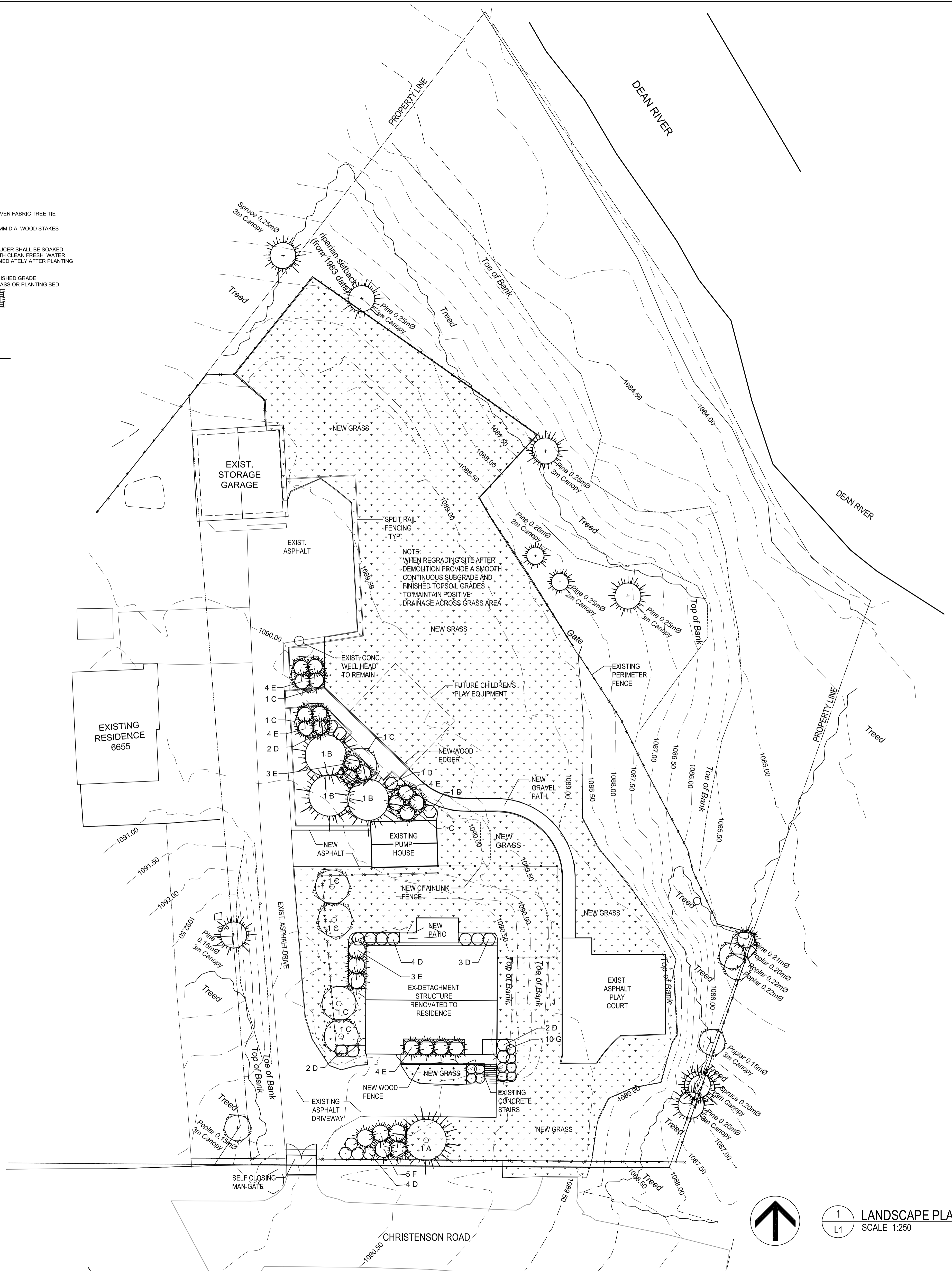
- ALL SOFT LANDSCAPE ELEMENTS TO BE INSTALLED TO BRITISH COLUMBIA LANDSCAPE STANDARD 2012 EDITION.
- REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR LANDSCAPE INSTALLATION.
- CONTRACTOR TO REPORT ALL ERRORS, OMISSIONS AND DISCREPANCIES TO LANDSCAPE CONSULTANT IMMEDIATELY AND PRIOR TO COMMENCEMENT OF WORK.
- **SUB-GRADE PREPARATION**
- SUBGRADES TO BE PREPARED IN ACCORDANCE WITH SPECIFICATION SECTION 32 91 21 TOPSOIL PLACEMENT AND GRADING.
- **TOPSOIL**
- TOPSOIL TO BE INSTALLED TO STANDARDS IDENTIFIED IN SPECIFICATION SECTION 32 91 21 AND THE BRITISH COLUMBIA LANDSCAPE STANDARD - 2012 EDITION, SECTION 6.
- LANDSCAPE CONTRACTOR TO PROVIDE A SOIL TEST OF THE IMPORTED TOPSOIL WITH RECOMMENDATIONS FROM THE TESTING LAB TO AMMEND TOPSOIL TO MEET STANDARDS IN TABLE T-6.3.5.4 LEVEL 4 - OPEN SPACE/PLAY.
- SOIL TEST AND RECOMMENDATIONS CAN BE OBTAINED FROM PACIFIC SOIL ANALYSIS INC., #5-11720 VOYAGEUR WAY, RICHMOND, B.C. V6X 3G9. PHONE: 604 278 8226.
- **TOPSOIL DEPTHS**
- SHRUB PLANTING AREAS = 450 MM.
- SEEDED GRASS AREAS = 100 MM.
- TREE PLANTING AREAS = 600 MM. DEPTH FOR 10 SQ. M. OF AREA PER TREE.
- **GRASS SEEDING**
- AREAS TO BE SEEDED TO GRASS TO BE INSTALLED IN ACCORDANCE WITH SPECIFICATION SECTION 32 92 20 SEEDING. SEE LANDSCAPE PLAN FOR EXTENTS OF AREAS TO BE SEEDED TO GRASS.
- SEE ESTABLISHMENT MAINTENANCE NOTES BELOW FOR REQUIREMENTS FOR MAINTENANCE.
- **TREES, SHRUBS AND GROUND COVER PLANTING**
- SEE SPECIFICATION SECTION 32 93 10 TREES, SHRUBS AND GROUND COVER PLANTING FOR PLANTING REQUIREMENTS.
- SEE ESTABLISHMENT MAINTENANCE NOTES BELOW FOR REQUIREMENTS FOR MAINTENANCE.
- **BARK MULCH**
- BARK MULCH TO BE INSTALLED IN ACCORDANCE WITH SPECIFICATION SECTION 32 93 10 TREES, SHRUBS AND GROUND COVER PLANTING. SEE LANDSCAPE PLAN FOR EXTENTS OF PLANTING BEDS TO BE MULCHED.
- **CRUSHED GRAVEL PATHWAY**
- CRUSHED GRAVEL SURFACING TO CONSIST OF 100 MM DEPTH OF 19 MM MINUS CRUSHED ROCK SET ON COMPACTED SUBGRADE.
- NO EDGERS ARE REQUIRED FOR PATHWAY EDGES.
- **WOOD EDGER**
- EDGER TO CONSIST OF 100 MM X 100 MM ROUGH CEDAR TIMBERS.
- TOP EDGE OF TIMBER SURROUNDING EDGE OF CRUSHED ROCK PATHWAY TO BE FLUSH WITH ADJACENT CRUSHED ROCK, PLANTING BED TOPSOIL AND GRASS SURFACES.
- ANCHOR WOOD EDGER WITH REINFORCING BAR AT 2.0 M SPACING AND AT CORNERS. PLUG REINFORCING BAR OPENINGS WITH WOOD PLUGS.
- WOOD EDGERS TO BE PLACED ON 150 MM DEPTH OF COMPACTED 19 MM CRUSHED ROCK.
- **ESTABLISHMENT MAINTENANCE OF TREES, PLANTING BEDS AND GRASS AREAS**
- SEE SPECIFICATION SECTION 32 92 20 SEEDING FOR ESTABLISHMENT MAINTENANCE REQUIREMENTS.
- SEE SPECIFICATION SECTION 32 93 10 TREES, SHRUBS AND GROUND COVER PLANTING FOR ESTABLISHMENT MAINTENANCE REQUIREMENTS.

LEGEND



PLANT LIST

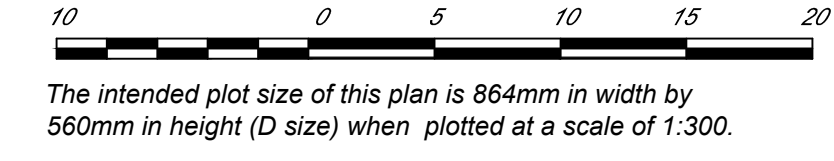
KEY	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS
A	1	PICEA GLAUCA	ENGELMAN SPRUCE	3.0 M. HT.	STAKE
B	3	PINUS CONTORTA LATIFOLIA	LOGEPOLE PINE	3.0 M. HT.	STAKE
C	8	POPULUS TREMULOIDES	TREMBLING ASPEN	5.0 CM. CAL.	1.8 M. STANDARD STAKE
D	19	CORNUS STOLONIFERA "ARCTIC FIRE"	ARCTIC FIRE DOGWOOD	#3 POT	
E	22	JUNIPERUS CHINENSIS "MINT JULIP"	MINT JULIP JUNIPER	#3 POT	
F	5	PINUS MUGO MUGHUS	MUGO PINE	#3 POT	
G	10	POTENTILLA FRUTICOSA KLONDYKE	KLONDYKE POTENTILLA	#3 POT	



1
L1 LANDSCAPE PLAN
SCALE 1:250

TOPOGRAPHIC PLAN OF LOT 1 DISTRICT LOT 405 RANGE 3 COAST DISTRICT, PLAN 17217. PID 011-547-375

BCGS 93C.030
 Anahim Lake
 Scale 1:300



The intended plot size of this plan is 864mm in width by 560mm in height (D size) when plotted at a scale of 1:300.

Distances are in metres and decimals thereof.

Grid bearings are derived from differential dual frequency GNSS observations and are referred to the central meridian of UTM zone 10 (123° west longitude).

The UTM coordinates and estimated horizontal positional accuracy achieved are derived from dual frequency GNSS static observations and processed by NRCAN Precise Point Positioning system.

This plan shows horizontal ground-level distances, unless otherwise specified. To compute grid distances, multiply ground-level distances by the average combined factor of 0.999730. The average combined factor has been determined based on an ellipsoidal elevation of 1077.884m.

Elevations are Geodetic and derived from dual frequency carrier phase GPS observations processed using PPP.

Control Point: 3239
 N: 5815342.868
 E: 343855.469
 Elev: 1089.590

Control Point Datum: NAD83
 Control Point Vertical Datum: CGVD 2013a
 Control Point Projection: UTM Zone 10

CONTOUR INTERVAL = 0.5m

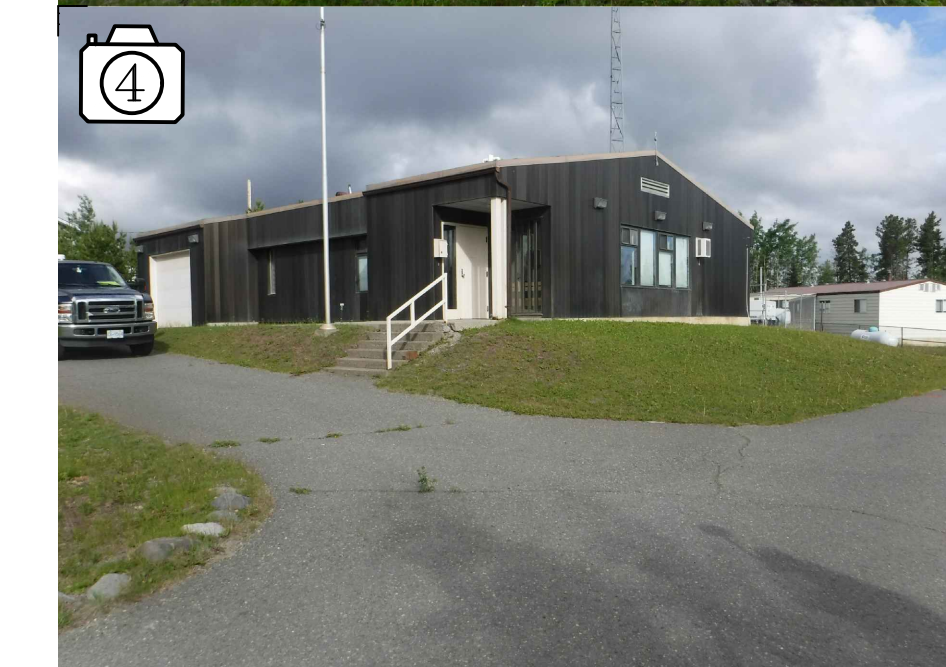
All Distances Shown are Ground

Note: Utility Locator was unable to directly connect to water lines. As such, all water lines are approximate based on previous surveys/locates. Note: Only trees having a diameter of 0.25m or larger are shown

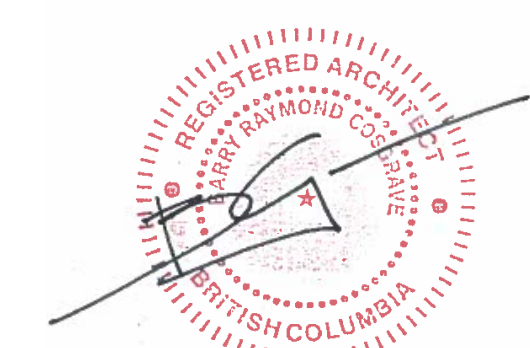
- Legend:**
- Y DENOTES CULVERT
 - DENOTES GUY WIRE
 - ⊕ DENOTES POWER POLE
 - △ DENOTES CONCRETE NAIL
 - DENOTES IRON PIN FOUND
 - ⊙ DENOTES WELL
 - ⊠ DENOTES ELECTRICAL BOX
 - ⊞ DENOTES LAMP STANDARD
 - ⊞ DENOTES FLAGPOLE
 - DENOTES CONCRETE BLOCK
 - DENOTES OLD GAS LINE
 - DENOTES CONCRETE CHAMBER
 - DENOTES TREE LINE
 - DENOTES VEGETATION LINE
 - DENOTES ROOF OVERHANG
 - DENOTES MAJOR CONTOUR
 - DENOTES MINOR CONTOUR
 - DENOTES EDGE OF CHIP SEAL
 - DENOTES CENTERLINE OF ROAD
 - DENOTES TOP/TOE OF BANK
 - DENOTES POWER LINE
 - DENOTES UNDERGROUND ELECTRICAL LINE
 - DENOTES UNDERGROUND GAS LINE
 - DENOTES UNDERGROUND COMMUNICATION LINE
 - DENOTES APPROXIMATE LOCATION OF UNDERGROUND WATER LINE
 - DENOTES WOOD FENCE
 - DENOTES CHAINLINK FENCE
 - DENOTES PROPANE TANK
 - DENOTES PAVEMENT
 - DENOTES CONCRETE SLAB / SIDEWALK
 - DENOTES STAIRS
 - DENOTES STEEL PLATE
 - DENOTES DITCH
 - DENOTES CATTLE GUARD
 - DENOTES TREE SPRUCE
 - DENOTES TREE PINE
 - DENOTES TREE POPLAR
 - DENOTES TREE ALDER



LOT A PLAN 25014



GNSS Control Hub (3239) Coordinates
 Datum: NAD83 (CSRS) 2013a
 UTM Zone: 10
 UTM Northing: 5815342.868
 UTM Easting: 343855.469
 Ortho Elev: 1089.590
 Combined scale factor: 0.999730



0	ISSUED FOR TENDER	2019 12 09
B	95% REVIEW SUBMISSION	2019 10 25
A	50% REVIEW SUBMISSION	2019 09 13
Revision/Revision	Description/Description	Date/Date

RCMP
 14200 Green Timbers Way
 Surrey, B.C.

RCMP ANAHIM LAKE HOUSING RENOVATIONS

Consultant Signature Box Only
 Designed by/Concept par: **LS**
 Drawn by/Dessine par: **CM**
 PWGSC Project Manager/Administrateur de Projets TPSGC: **Philip Fung**
 PWGSC Regional Manager, Architectural and Engineering Services/Gestionnaire régional, Services architecturaux et de génie, TPSGC: **Preetpal Paul**

SURVEY

Project No./No. du projet	Sheet/ Feuille	Revision no./ La Révision no.
R.103948.001	SU	0

This plan was prepared for planning and discussion purposes only and is for the exclusive use of our client. It should not be relied upon as definitive proof of encroachments or the true location of structures, natural boundaries or fill in relation to any property boundary. Any questions to the above should be followed up with an additional in-depth legal field survey.

Underground utilities were located by a 3rd party consultant. The Signatory accepts no responsibility or liability for any damages that may be suffered by a third party as a result of reproduction, transmission or alteration to this document without consent of the signatory.

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CERTIFIED CORRECT ON THE 8TH DAY OF JULY 2019

Ian R. Robertson, BCLS # 749

This plan lies within the Cariboo Regional District

DRAWING INDEX

ARCHITECTURAL

- A1 TITLE SHEET
- A2 SITE PLAN
- A3 FLOOR PLAN
- A4 REFLECTED CEILING PLAN
- A5 BUILDING ELEVATIONS
- A6 BUILDING SECTIONS
- A7 MISCELLANEOUS DETAILS
- A8 WALL SECTIONS & WINDOW DETAILS
- A9 INTERIOR DETAILS
- A10 INTERIOR DETAILS
- A11 CELL DETAILS
- A12 CELL DETAILS

STRUCTURAL

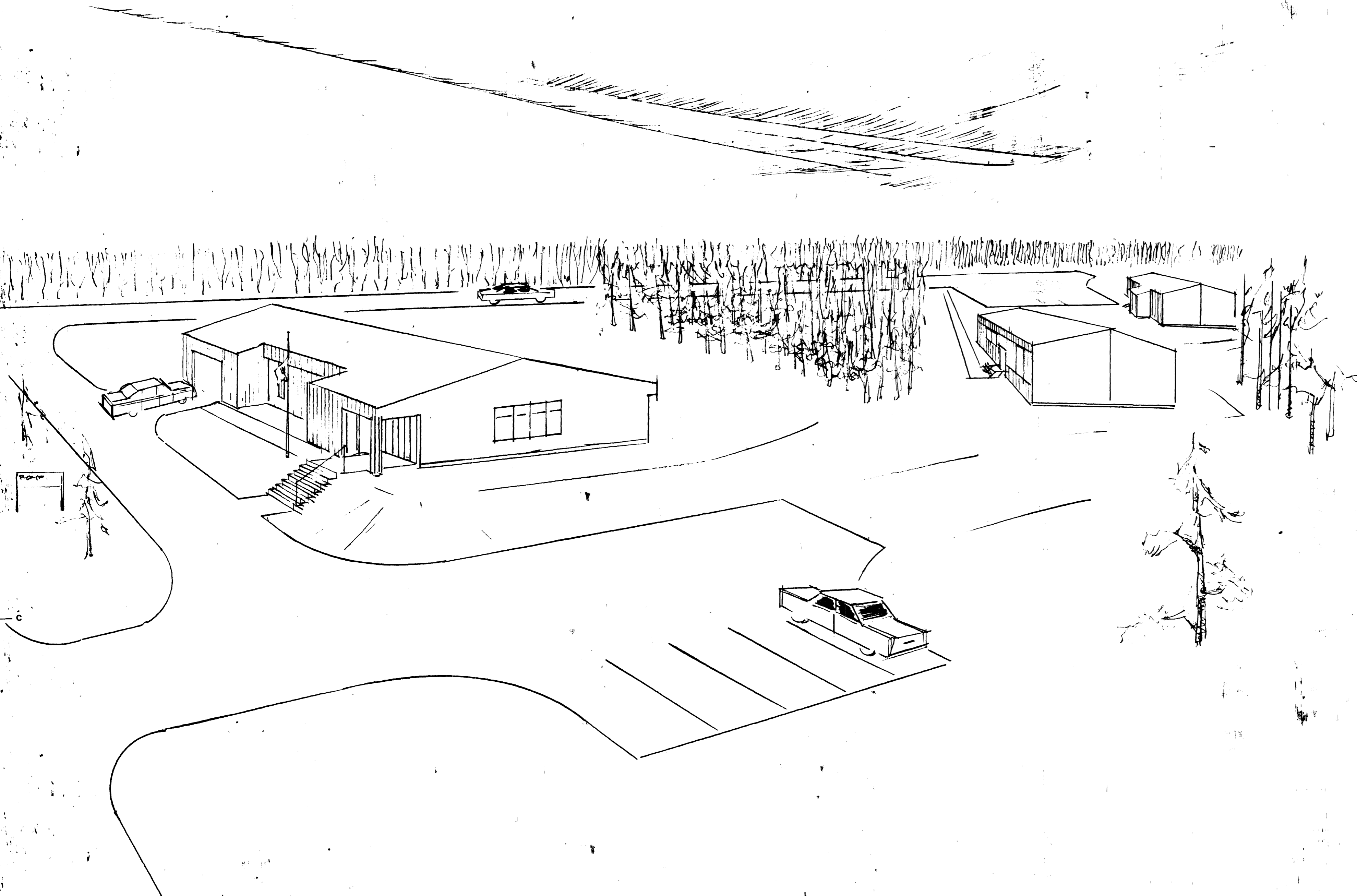
- S1 FOUNDATION, GROUND FLOOR & CEILING PLANS AND DETAILS
- S2 ROOF FRAMING PLAN & DETAILS

MECHANICAL

- M1 MECHANICAL CRAWL SPACE PLAN & DETAILS
- M2 MECHANICAL FLOOR PLAN & DETAILS

ELECTRICAL

- E1 LEGEND & SCHEDULE
- E2 FLOOR PLAN ELECTRICAL LAYOUT
- E3 FIXTURE DETAILS AND SITE PLAN



DRAWINGS BOUND SEPARATELY IN SPECIFICATION

- | | |
|---------------------------------|---------------------------------------|
| DA 1 Finish Schedule | DA 12 Radio Tower Base Detail 2 |
| DA 2 Door Schedule | DA 13 Radio Tower Installation |
| DA 3 C. I.P. Concrete Steps | DA 14 Project Identification Sign Bd. |
| DA 4 Concrete Walk | DA 15 Block Heater Outlet |
| DA 5 Asphalt Dr. & Parking | DA 16 Seepage Bed Detail |
| DA 6 1st Concrete Wheel Stop | DA 17 Standard Detail-Septic Tank |
| DA 7 Concrete Porch & Steps | DA 18 Well & Pump |
| DA 8 Flagpole & Base Detail | DA 19 Pressure System Layout |
| DA 9 Exterior Sign Detail | DA 20 Trench Drain Detail |
| DA 10 Parking 1st Flight Base | DA 21 Foundation Detail Residences |
| DA 11 Radio Tower Base Detail 1 | |

ANAHIM LAKE B. C.

R. C. M. P. MODULAR IN - SITU DETACHMENT & 2 RESIDENCES

approved by *[Signature]*
date 01.04.07 Region: *[Blank]* *[Blank]*

AS BUILT 83-01-15

revisions *[Blank]* date *[Blank]*

A	A detail no. no. du détail B location drawing no. sur dessin no. C drawing no. dessin no.	A
C		B C

project *[Blank]* projet *[Blank]*

**ANAHIM LAKE B.C.
R.C.M.P.
MODULAR IN SITU
DETACHMENT &
2 RESIDENCES**

drawing *[Blank]* dessin *[Blank]*

TITLE SHEET



designed *[Blank]* conçu *[Blank]*

date *[Blank]*

drawn *[Blank]* dessiné *[Blank]*

date *[Blank]*

reviewed *RWT* examiné *[Blank]*

date *[Blank]*

approved *[Blank]* approuvé *[Blank]*

date *[Blank]*

Tender: *M. HUNTER* Soumission

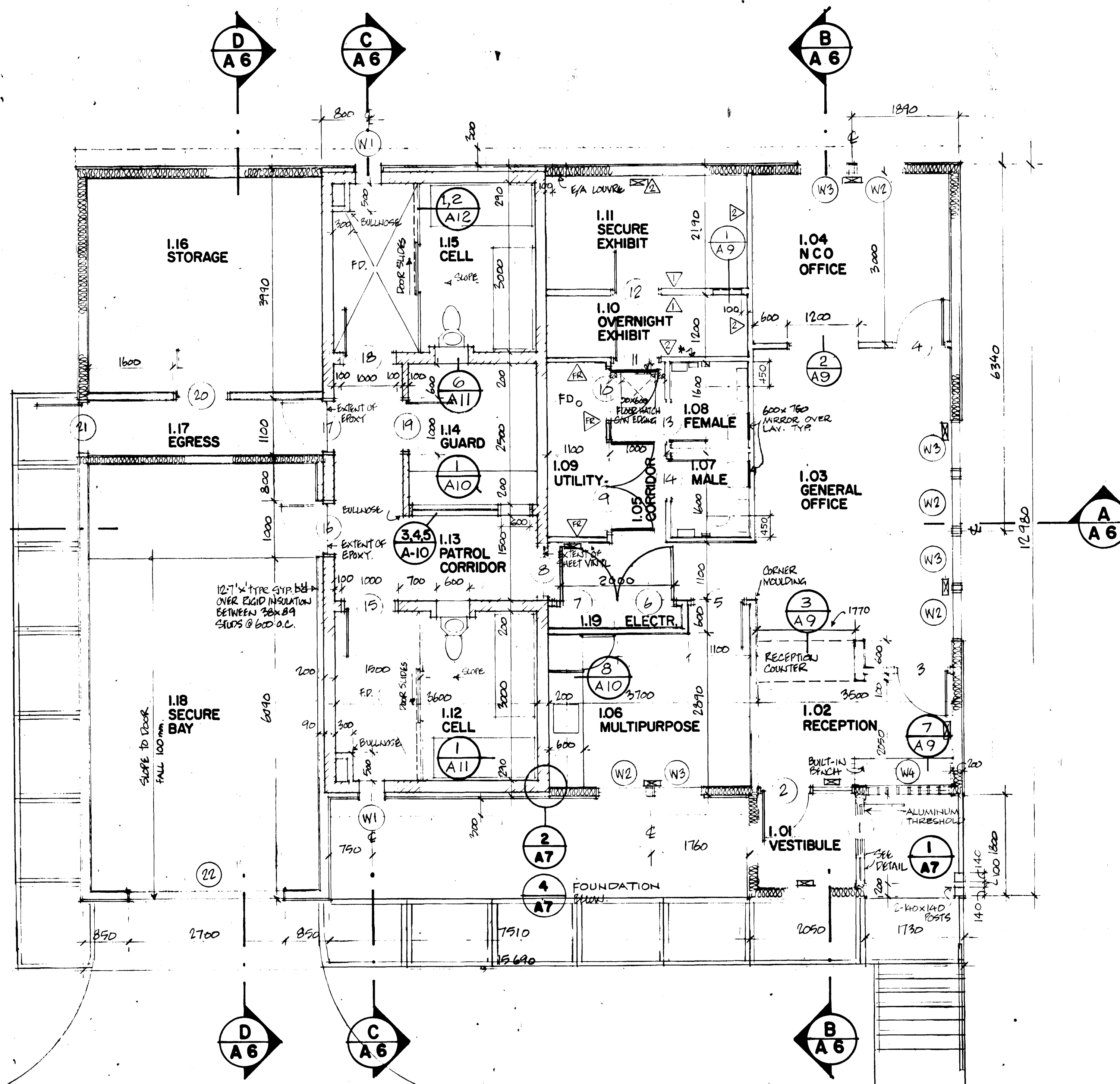
PWC Project Manager Administrateur de projets TPC

project number *[Blank]* no. du projet

011850

drawing no. *[Blank]* no. du dessin

A-1 of 12



- TYPICAL WOOD FRAME EXTERIOR WALL (INSULATED)
2x 140 STUDS @ 400mm O.C. WITH BATT INSULATION
- TYPICAL WOOD FRAME EXTERIOR WALL
2x 140 STUDS @ 400mm O.C.
- TYPICAL CONCRETE BLOCK WALL (INSULATED)
200mm CONC. BLOCK WITH RIGID INSULATION
- TYPICAL INTERIOR PARTITION WALLS
3x 89 STUDS @ 400mm O.C. 12mm GYPSUM BR. EACH SIDE
- 1 HOUR FIRE RATED PARTITION
3x 89 STUDS @ 400mm O.C. 16mm GYPSUM BR. EACH SIDE
- 2 LAYERS 20mm THICK PLYWOOD ON GYPSUM BOARD
STAGGERED JOINTS APPLIED ON SIDE INDICATED.
* NOTE: USE 16mm GYPSUM BR. THIS SECTION OF WALL IN LIEU OF 12mm.
- 1 LAYER 20mm THICK PLYWOOD ON EACH SIDE OF
3x 89 STUDS @ 400mm O.C.
- CONCRETE WALK - SCORE JOINTS EVERY 1500mm
EXPANSION JOINTS EVERY 7500mm
BROOM FINISH, TRAVEL EDGES.

UNLESS OTHERWISE NOTED ALL DIMENSIONS ARE TAKEN FROM FACE TO FACE OF STUDS OR CONC. BLOCK.

approved by: [Signature]
date: 8/04/07 Regional Fire Commissioner

AS BUILT 83-01-15

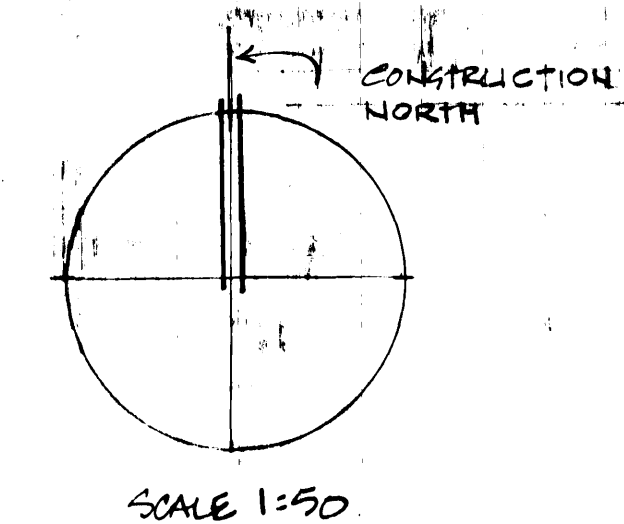
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C drawing no. dessin no.	

project: ANAHIM LAKE B.C.
RCMP MODULAR IN SITU DETACHMENT

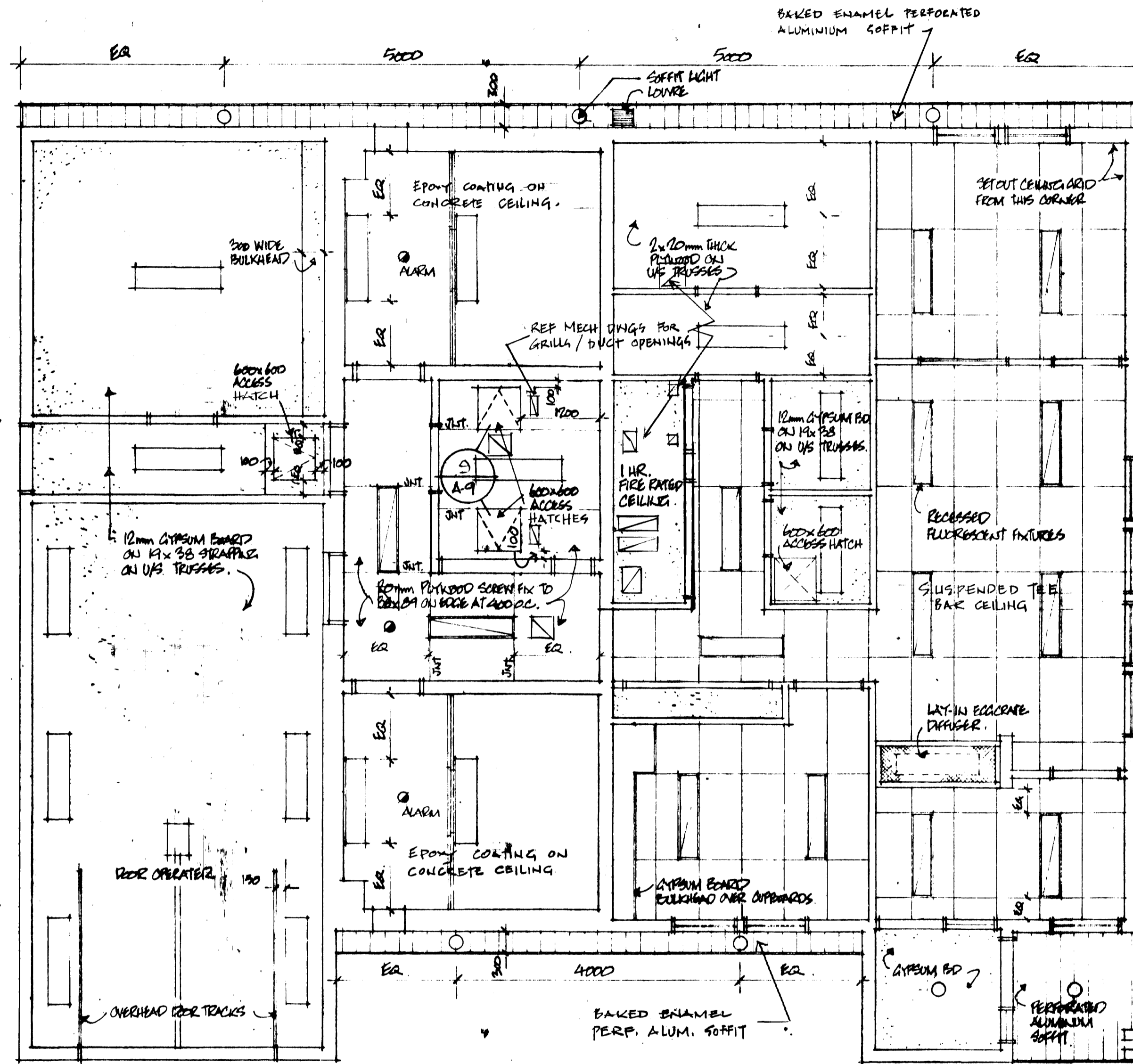
FLOOR PLAN
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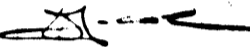


designed: RCMP STANDARD	conçu:
drawn: V. WALSWORTH 80-12-5	dessiné:
date:	
reviewed: RWT	examiné:
date:	
approved:	approuvé:
date:	
Team: M. HUNTER	Submission:
PWC Project Manager: Administrateur de projets TPC	
project number: 011850	no. du projet:
drawing no.:	no. d. dessin:



PACIFIC REGION



approved by 
 date 01.04.07 Regional Fire Commissioner

revisions

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C	C drawing no. dessin no.	C

project

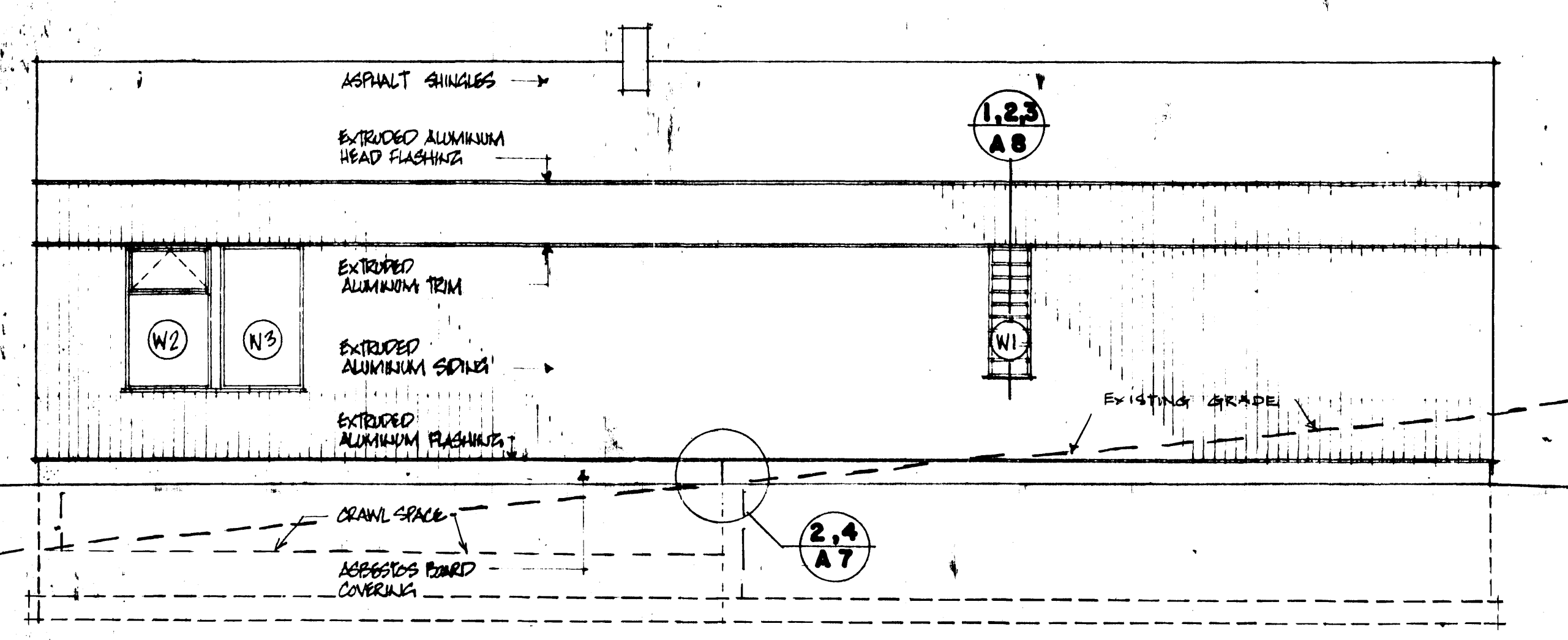
ANAHIM LAKE B.C.
RCMP MODULAR IN SITU DETACHMENT

drawing

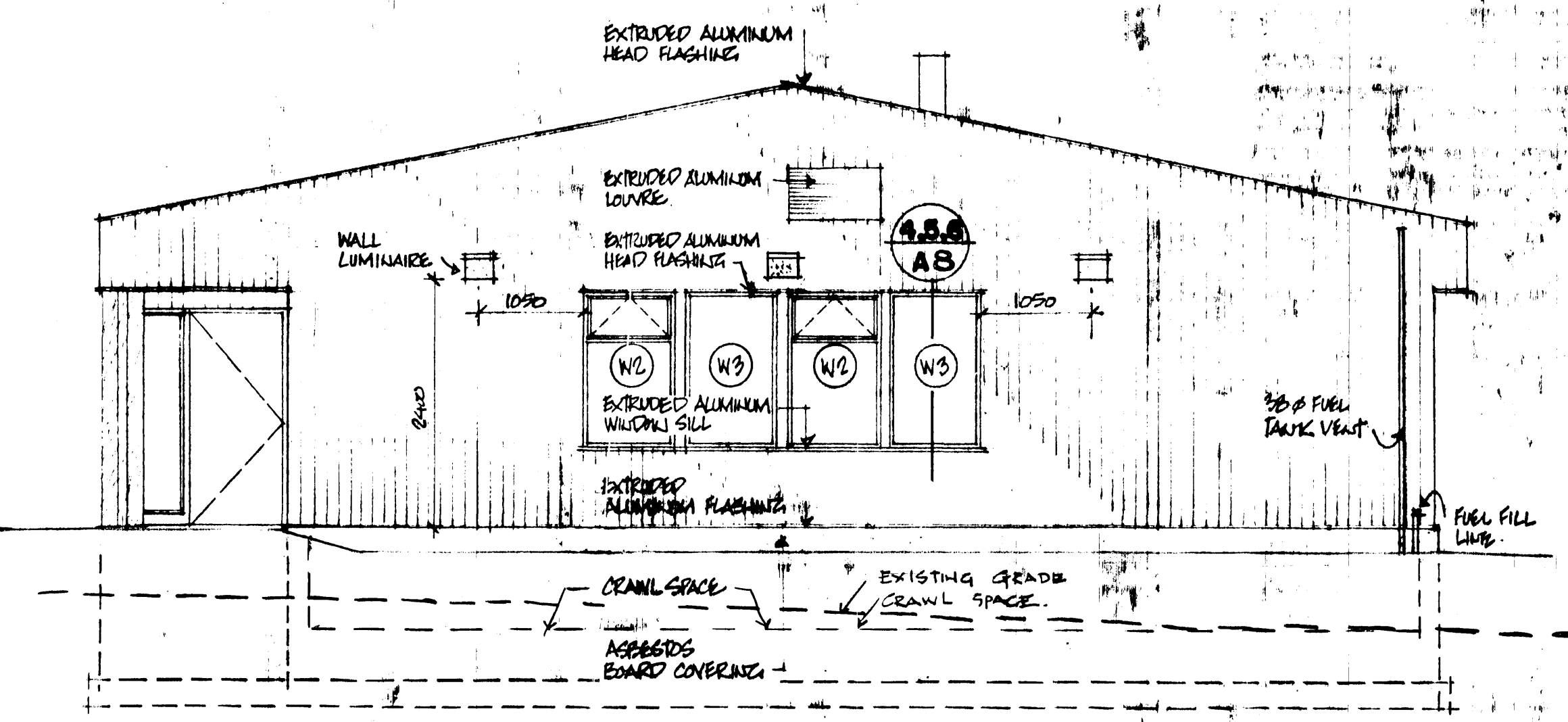
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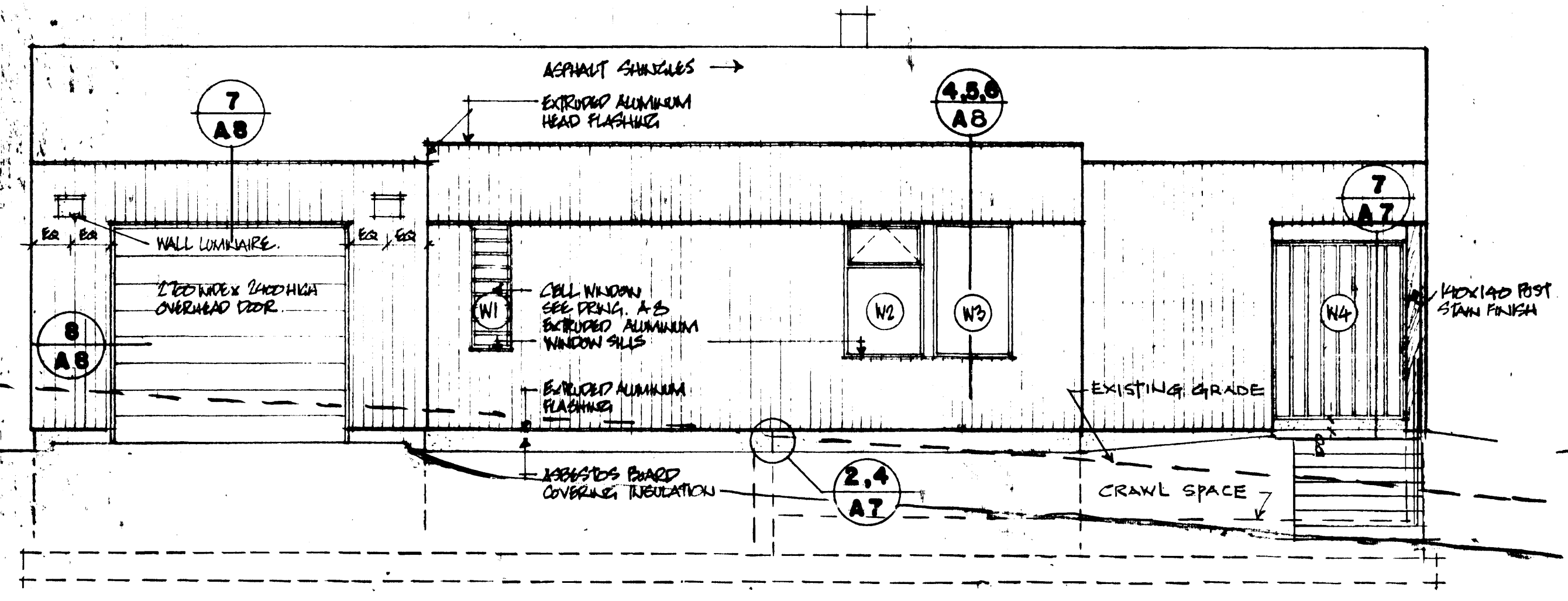
designed	RCMP STANDARD	comp
date		
drawn	V. WALSKRITH 00.12.05	desain
date		
reviewed	RWT	examin
date		
approved		approv
date		
Tender	M. HUNTER	Source
PWC Project Manager	Administrateur de projet	
project number	011850	no. du projet
drawing no.		



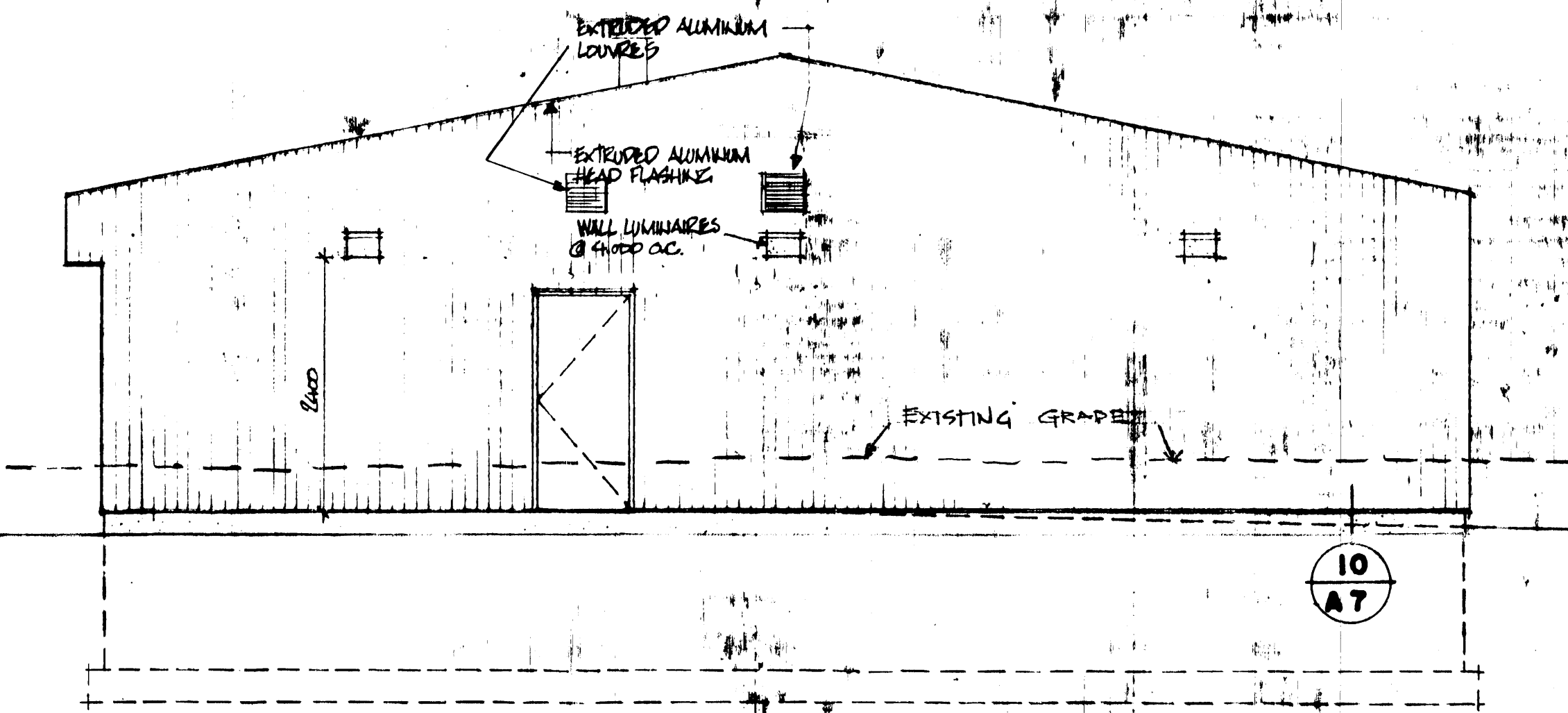
NORTH ELEVATION



EAST ELEVATION



SOUTH ELEVATION



WEST ELEVATION

approved by _____
date 8/10/07 Regional Fire Commissioner

AS BUILT 83-01-15

revisions _____ date _____

A C	A detail no. no. du détail	A B C
	B location drawing no. sur dessin no.	
	C drawing no. dessin no.	

project _____

ANAHIM LAKE B.C.
RCMP
MODULAR IN SITU
DETACHMENT

drawing _____

BUILDING ELEVATIONS
scale 1:50



designed _____

date _____

drawn _____

date _____

reviewed _____

date _____

approved _____

date _____

Tender _____

PWC Project Manager _____

project number 011850

drawing no. _____

A5 of 12

approved by *[Signature]*
date 8/10/07 Regional Fire Commissioner

AS BUILT 82-01-15

revisions _____ date _____

A C	A detail no. no. du détail B location drawing no. sur dessin no. C drawing no. dessin no.	A B C
--------	--	----------

project _____ projet _____

ANAHIM LAKE B.C.
RCMP
MODULAR IN SITU
DETACHMENT

drawing _____ dessin _____

BUILDING SECTIONS
Scale 1:50



designed by STANJARD conçu _____

date _____ date _____

drawn by _____ dessiné _____

date 80-12-5 date _____

reviewed by RWT examiné _____

date _____ date _____

approved _____ approuvé _____

date _____ date _____

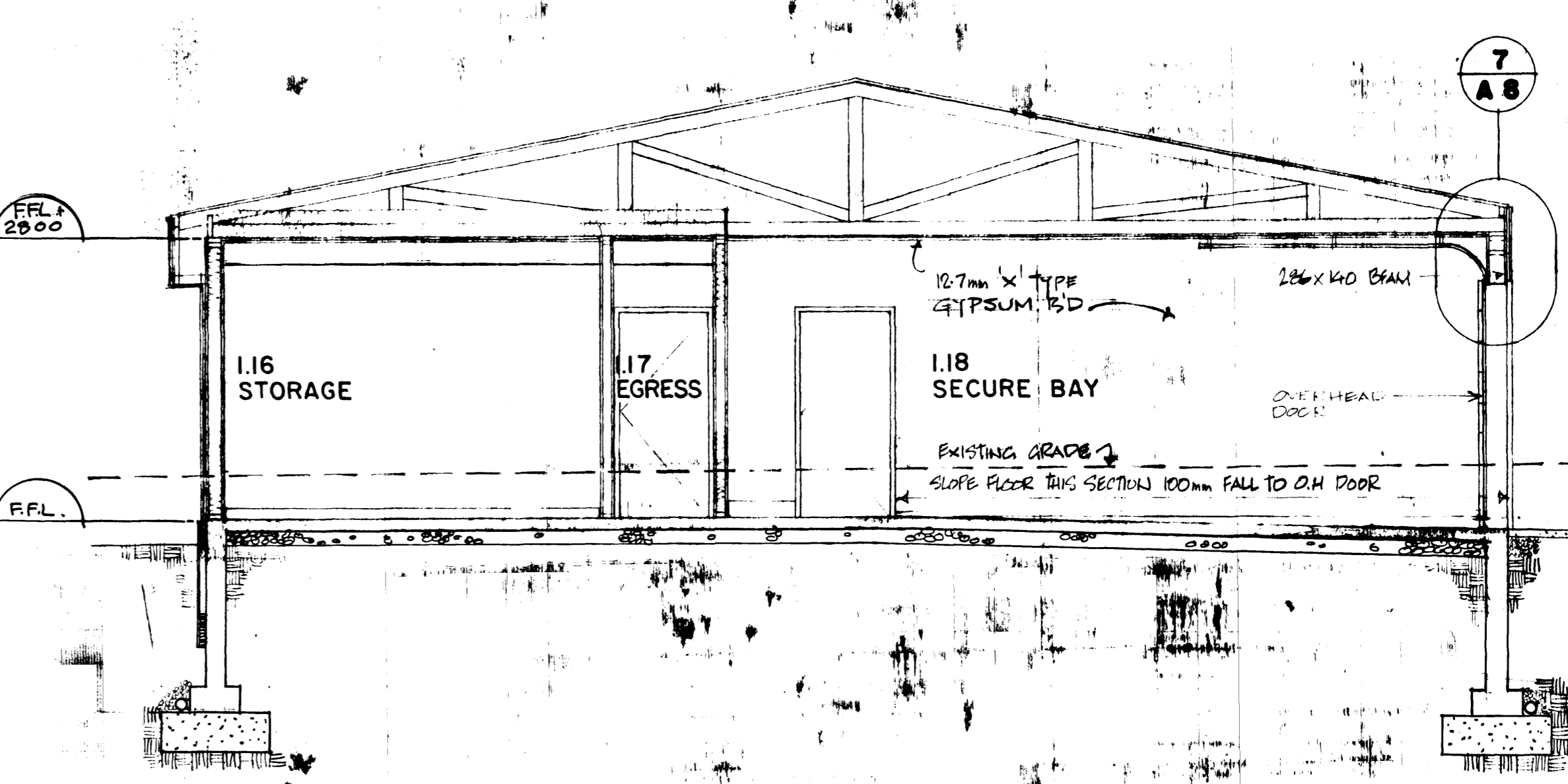
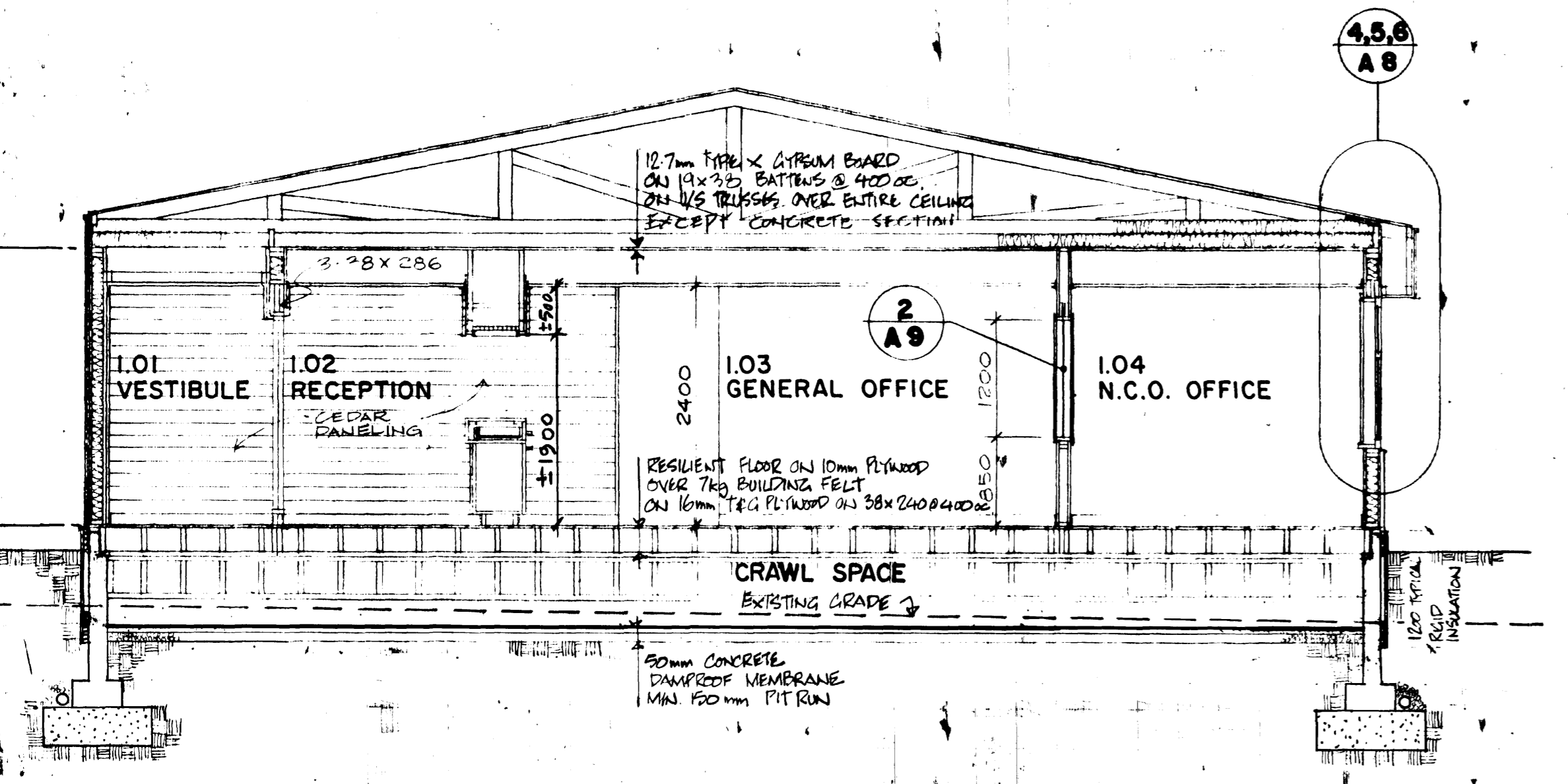
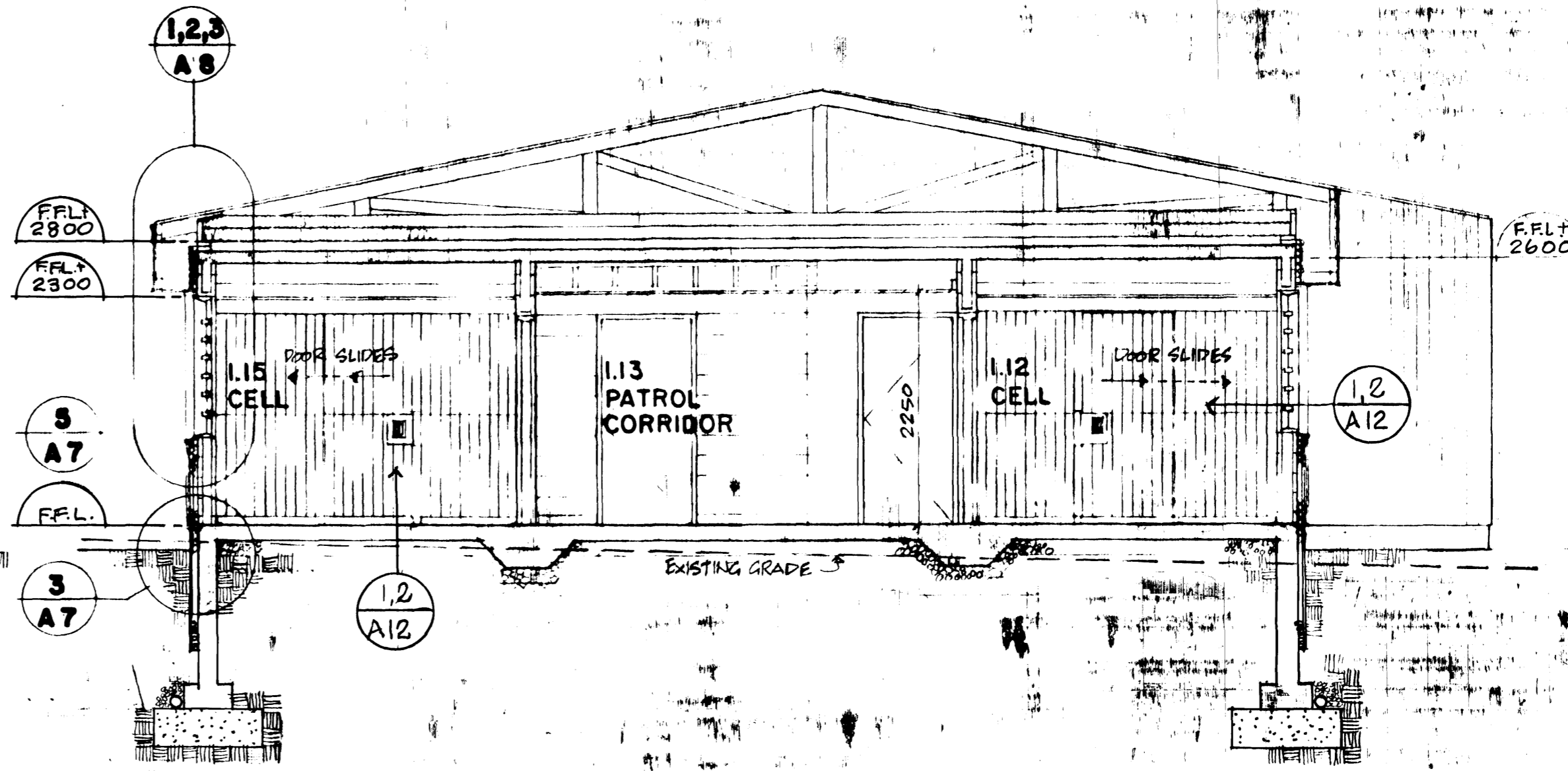
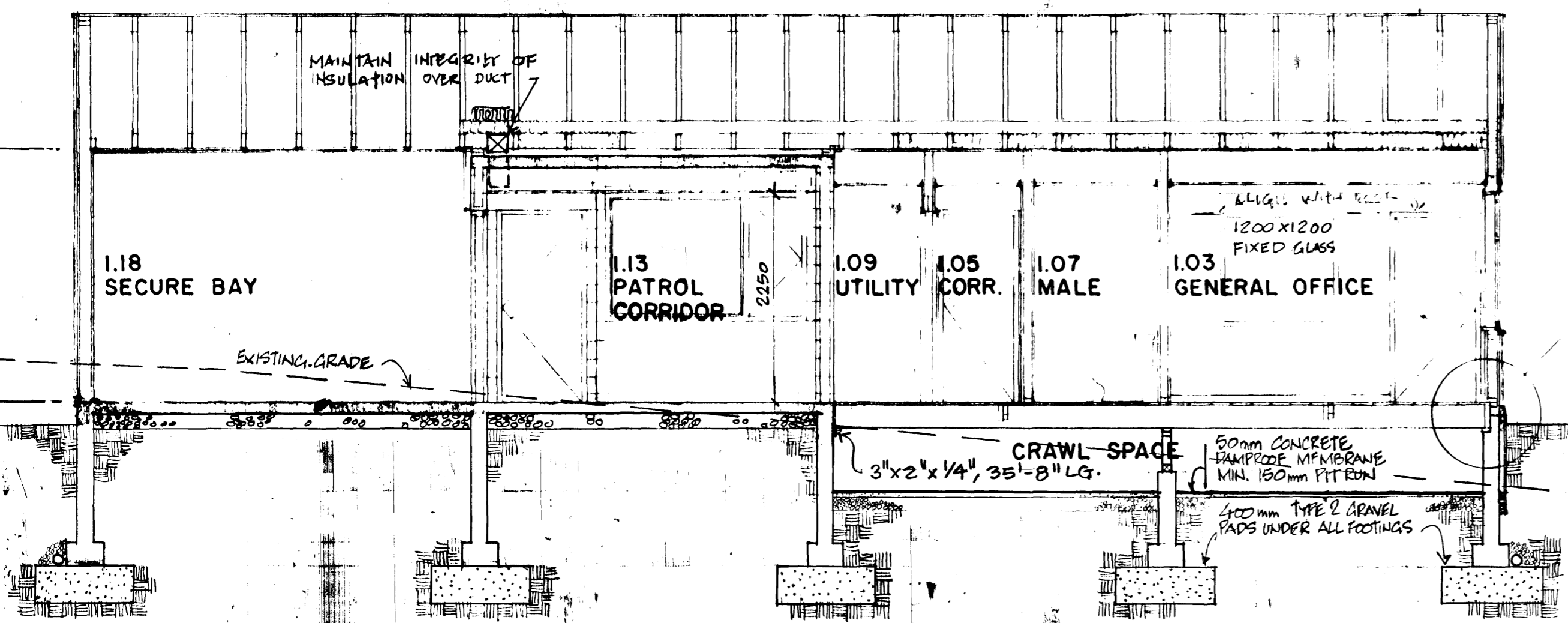
Tender M. HUNTER Soumission _____

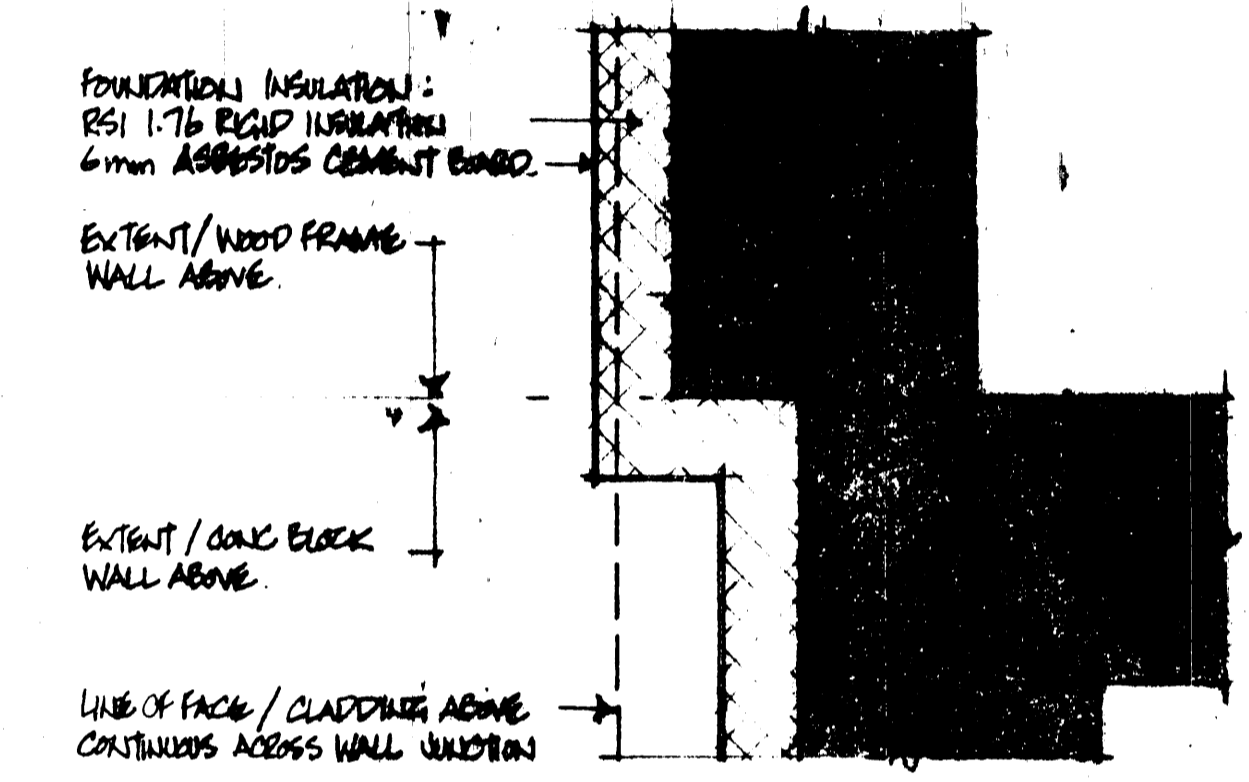
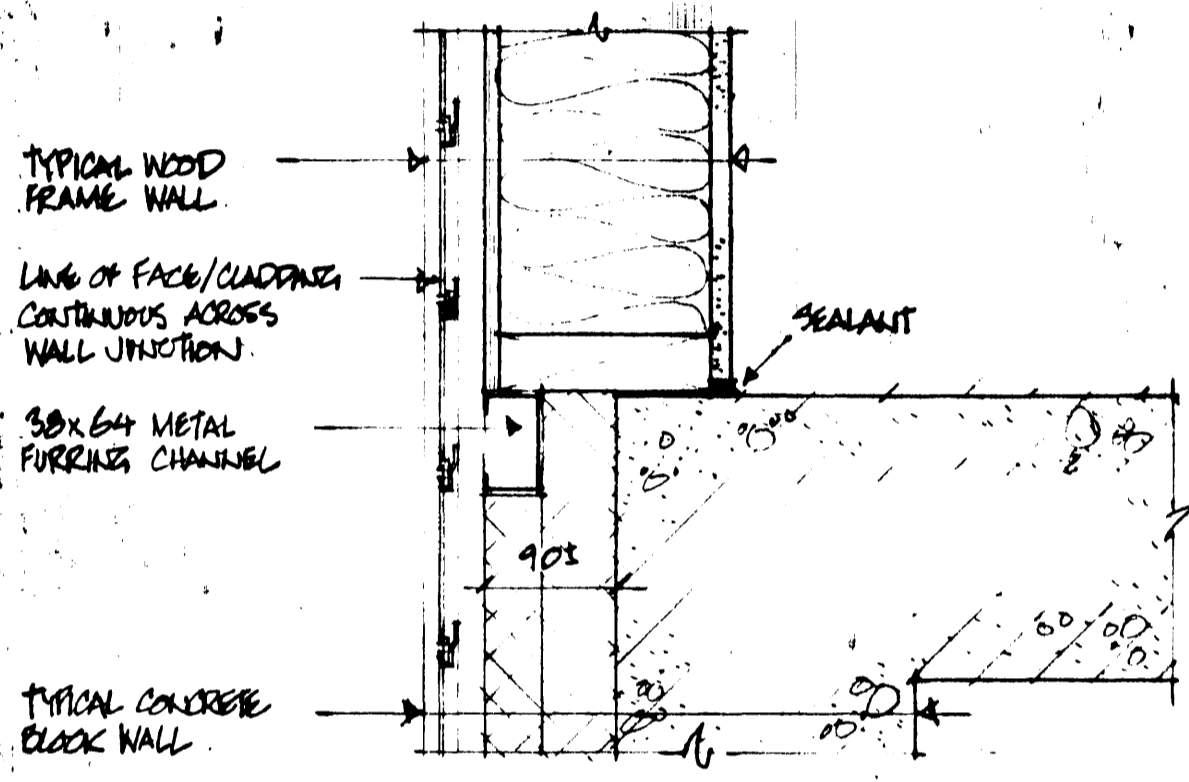
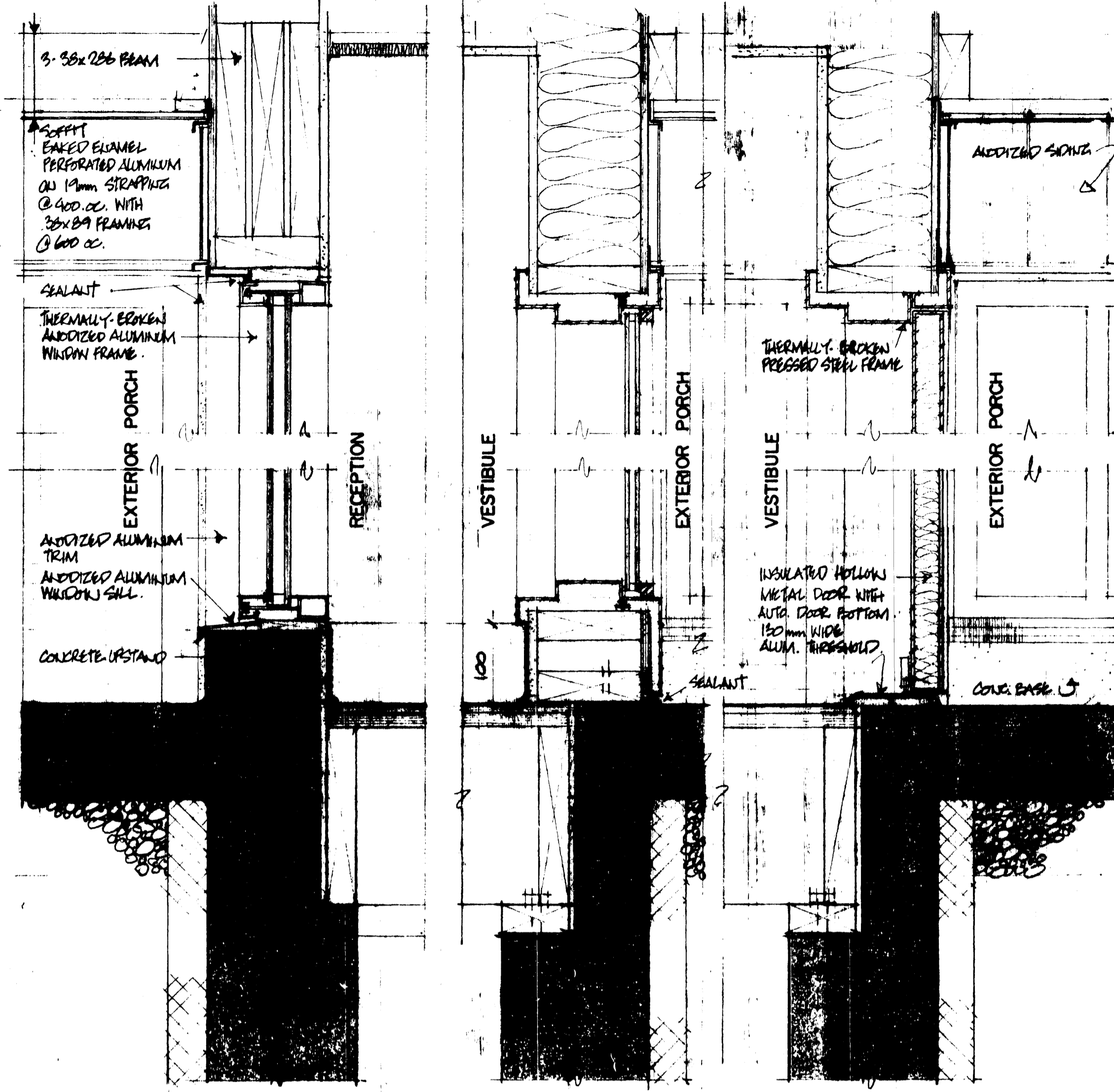
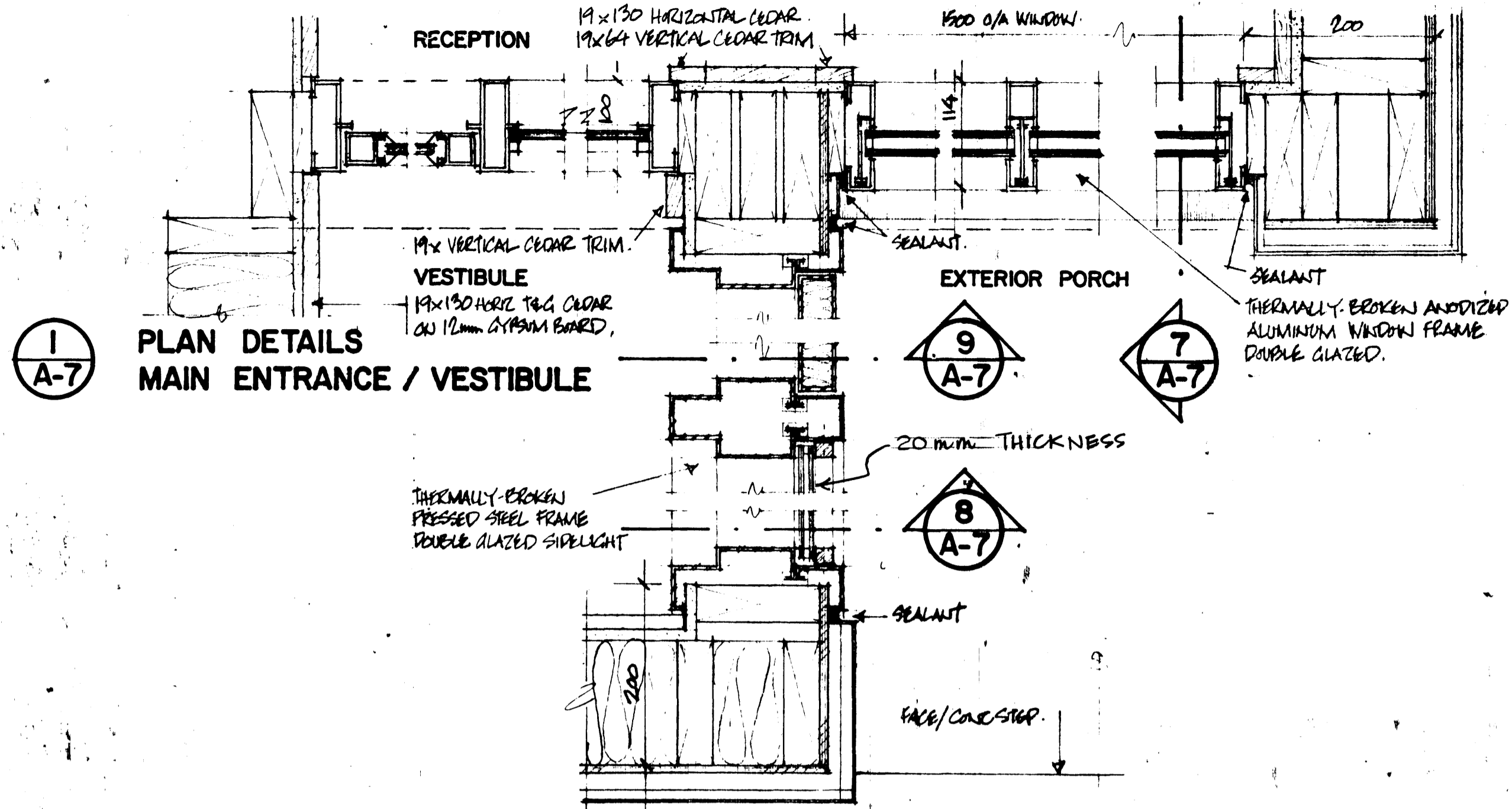
PWC Project Manager Administrateur de projets TPC _____

project number 011850 no. du projet _____

drawing no. _____ no. du dessin _____

A6 of 12





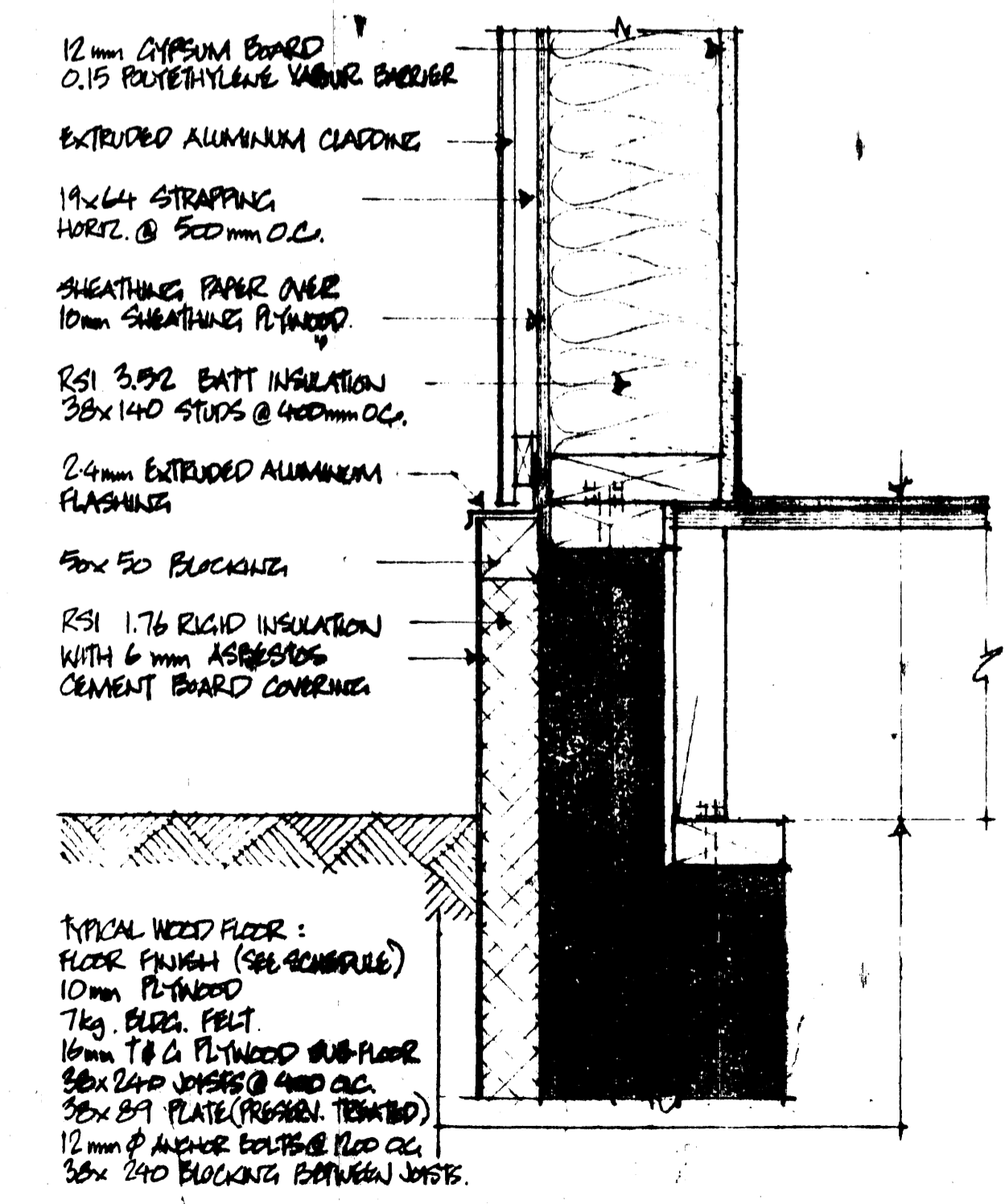
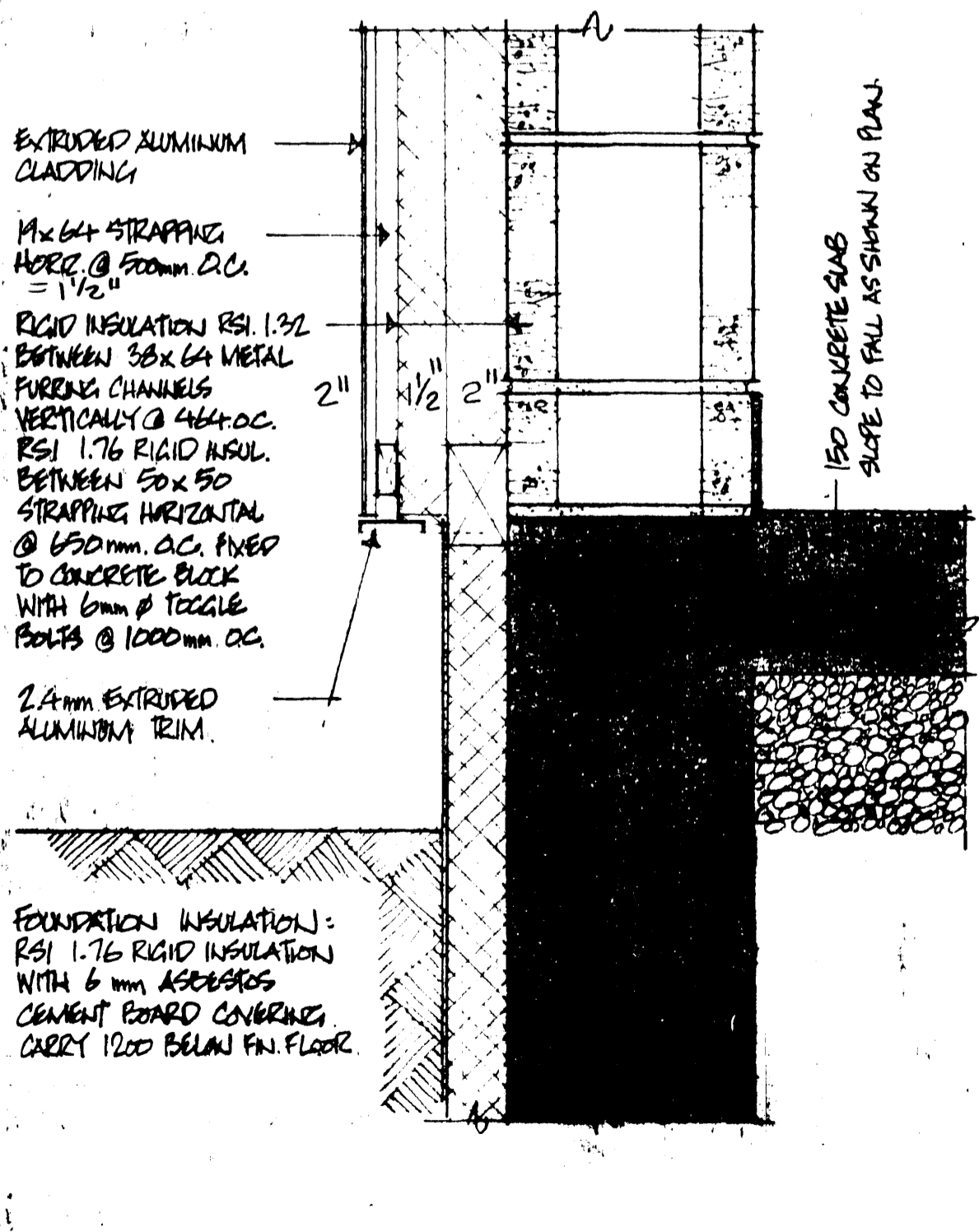
2 PLAN DETAIL JUNCTION WOOD FRAME / CONCRETE

4 PLAN DETAIL FOUNDATION WALL AT JUNCTION

7 RECEPTION WINDOW

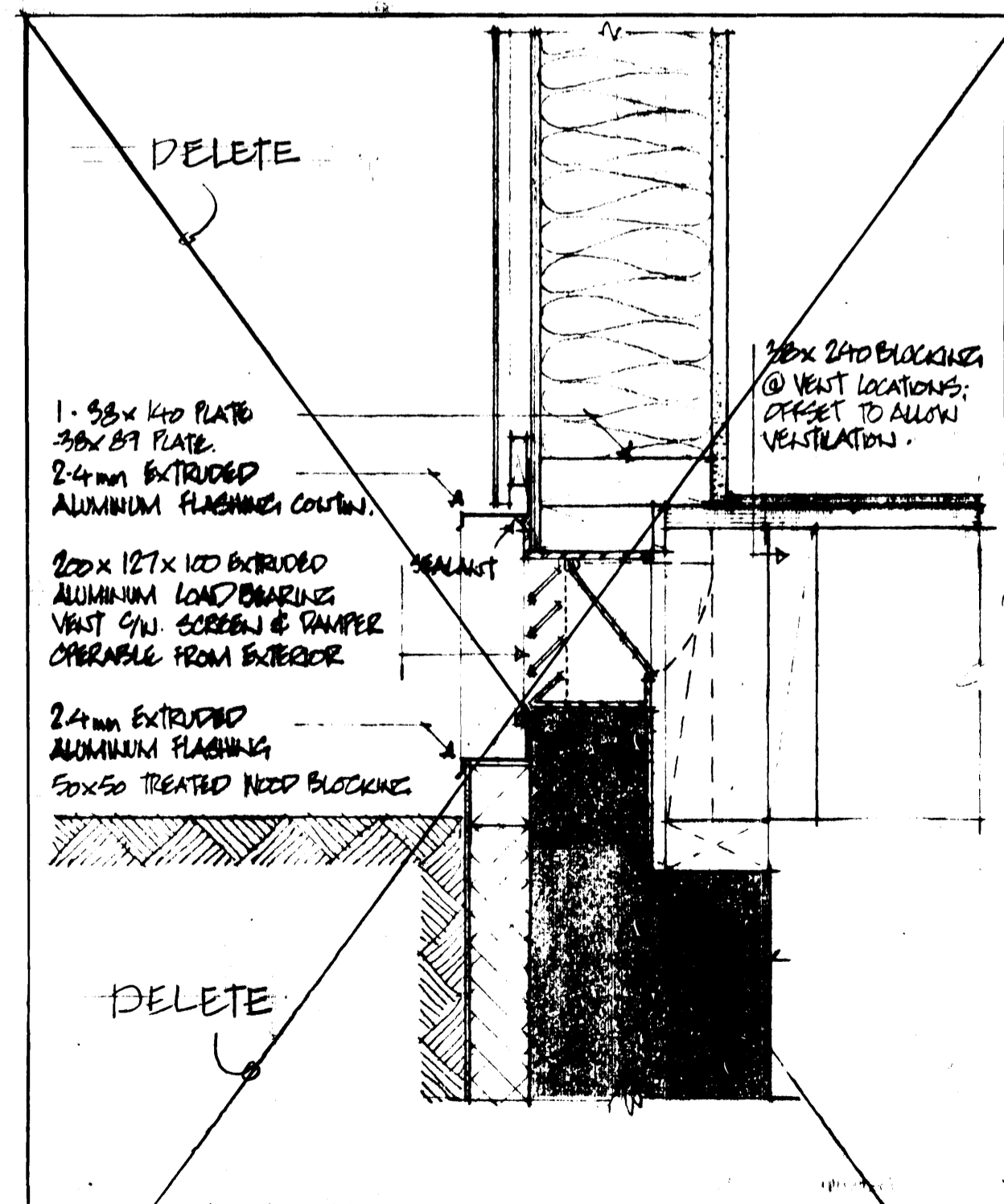
8 ENTRANCE SIDELIGHT

9 ENTRANCE DOOR SILL

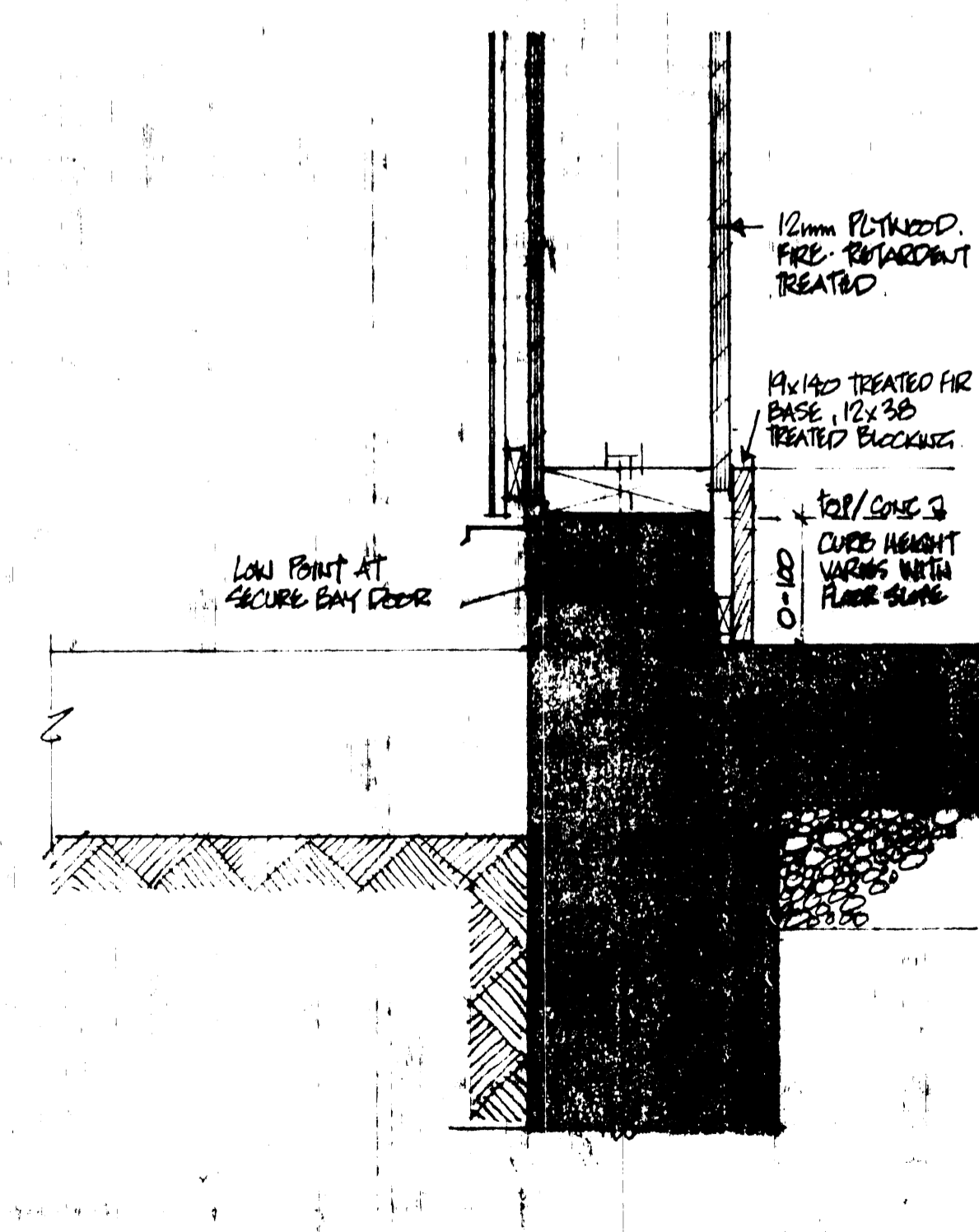


3 TYPICAL CONCRETE BLOCK WALL

5 TYPICAL WOOD FRAME WALL



6 CRAWL SPACE VENTS



10 SECURE BAY CURB

approved by [Signature] date 8/10/07 regional Fire Commissioner

AS BUILT = 83-01-15

revisions	date
A	A detail no. no. du détail
B	B location drawing no. sur dessin no.
C	C drawing no. dessin no.

project ANAHIM LAKE B.C.

RCMP MODULAR IN SITU DETACHMENT

drawing MISCELLANEOUS DETAILS

designed R.C.M.P. STANDARD
date
drawn V. WALSHORTH 80-12-5
date
reviewed R.W.T. examining
date
approved approving

Tender M. HUNTER
PWC Project Manager Administrateur de projets TPC
project number 011850
drawing no. A7 of 12

approved by [Signature] date 31.04.07 Regional Fire Commissioner

AS BUILT 83-01-15

revisions [Table] date

A detail no. du détail
B location drawing no. sur dessin no.
C drawing no. dessin no.

project [Blank] projet

**ANAHIM LAKE B.C.
RCMP
MODULAR IN SITU
DETACHMENT**

drawing [Blank] dessin

**WALL SECTIONS &
WINDOW DETAILS**



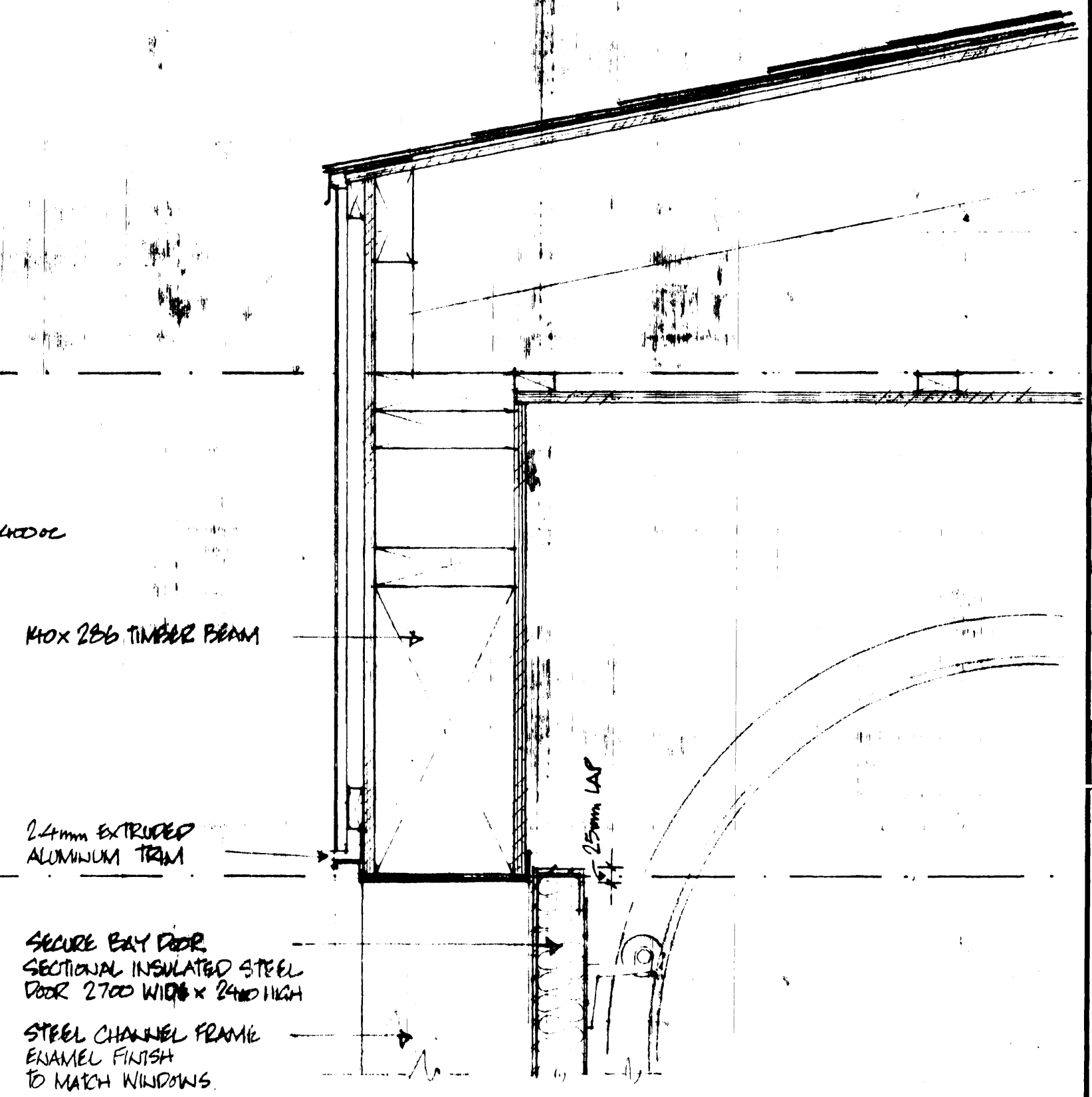
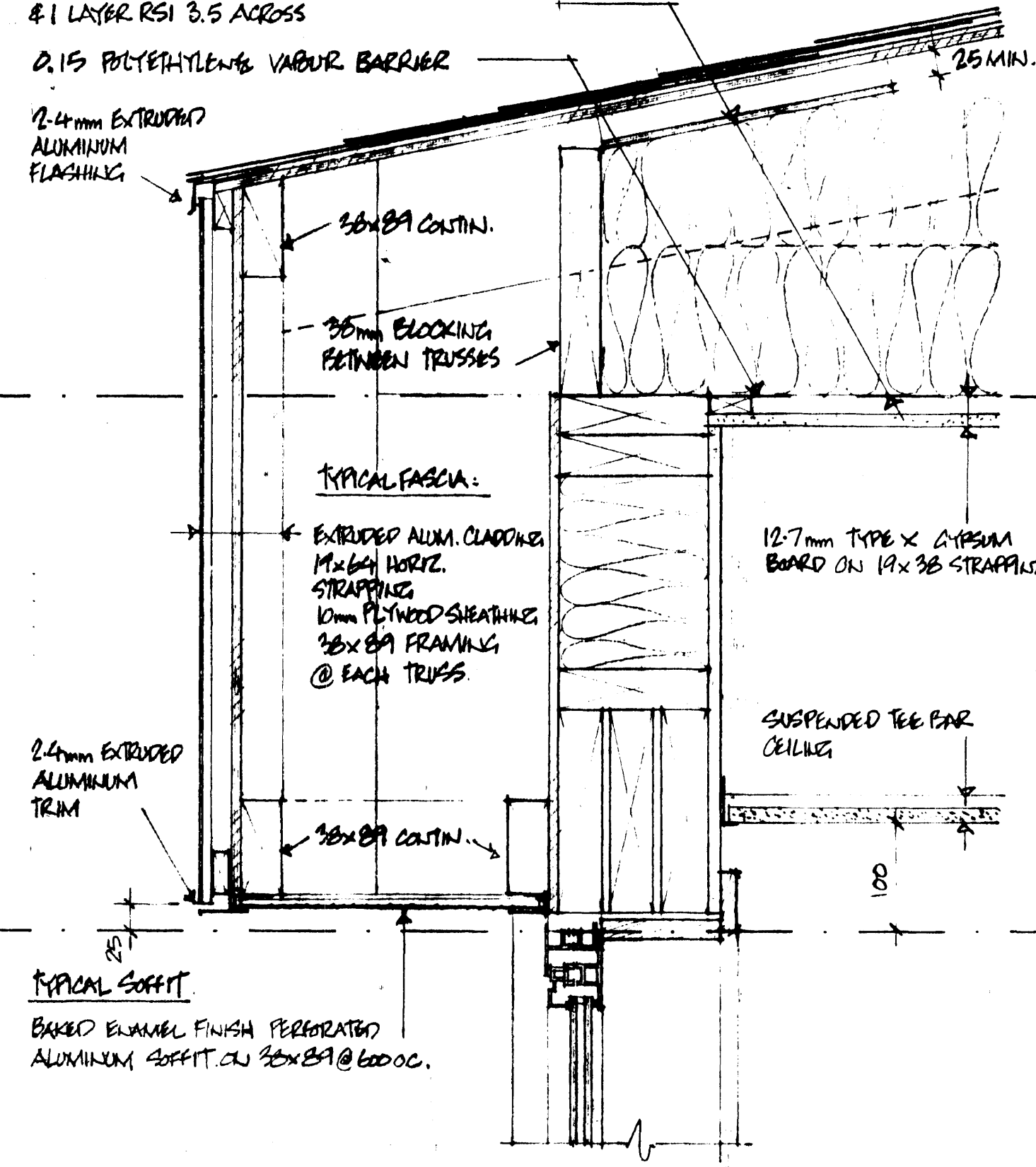
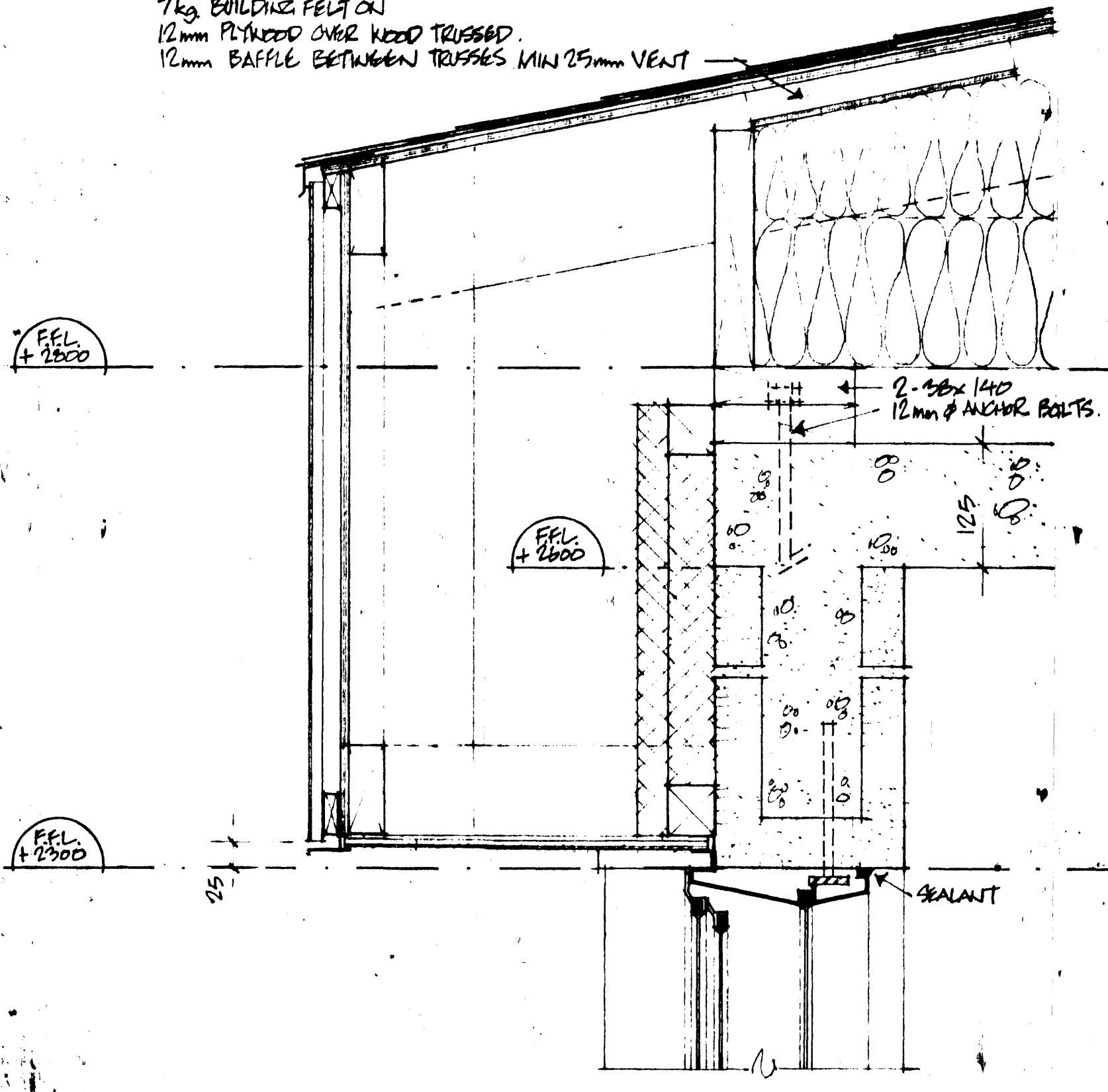
designed **RCMP STANDARD** conçu
date [Blank]
drawn **V. WALSWORTH** 20.12.15. dessiné
date [Blank]
reviewed [Blank] vérifié
date [Blank]
approved [Blank] approuvé
date [Blank]
Tender **M. HUNTER** Submission
PWC Project Manager Administrateur de projets TPC
project number [Blank] no. du projet

O11850

drawing no. [Blank] no. du dessin

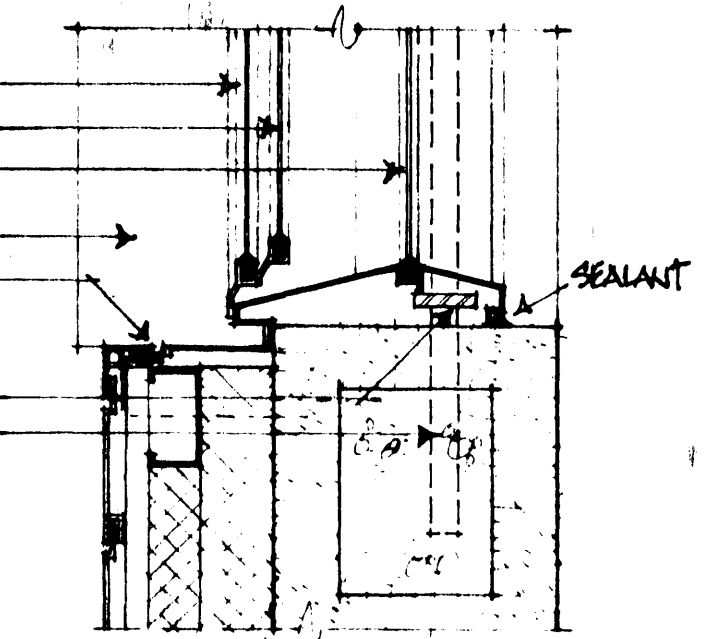
TYPICAL ROOF CONSTRUCTION:
ASPHALT SHINGLES (LOW SLOPE APPLICATION)
35 kg BUILDING FELT EXTENDING 300mm
BAST INSIDE FACE/WALL
7kg BUILDING FELT ON
12mm PLYWOOD OVER WOOD TRUSS
12mm Baffle BETWEEN TRUSSES MIN 25mm VENT

ROOF INSULATION:
1 LAYER RSI 3.5 BETWEEN LOWER TRUSS CHORDS
& 1 LAYER RSI 3.5 ACROSS
0.15 POLYETHYLENE VAPOUR BARRIER
2.4mm EXTRUDED ALUMINUM FLASHING



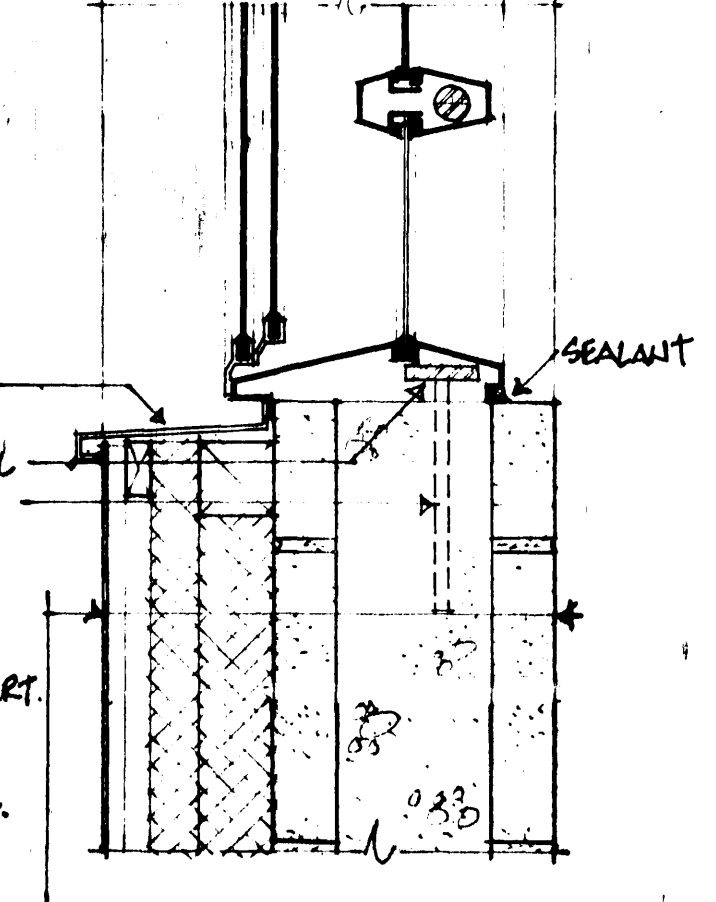
**1
A-8
CELL WINDOW HEAD**

SECURITY WINDOW AS SPEC
6mm TEMPERED GLASS (CLEAR)
POLYCARBONATE (CLEAR)
6mm TEMPERED GLASS (OBSCURED)
EXTRUDED ALUMINUM WINDOW SILL
EXTRUDED ALUMINUM CLADDING
10x50 TOOL RESISTANT PERIMETER STEEL
22mm Ø TOOL RESISTANT STEEL BAR



**2
A-8
CELL WINDOW JAMB**

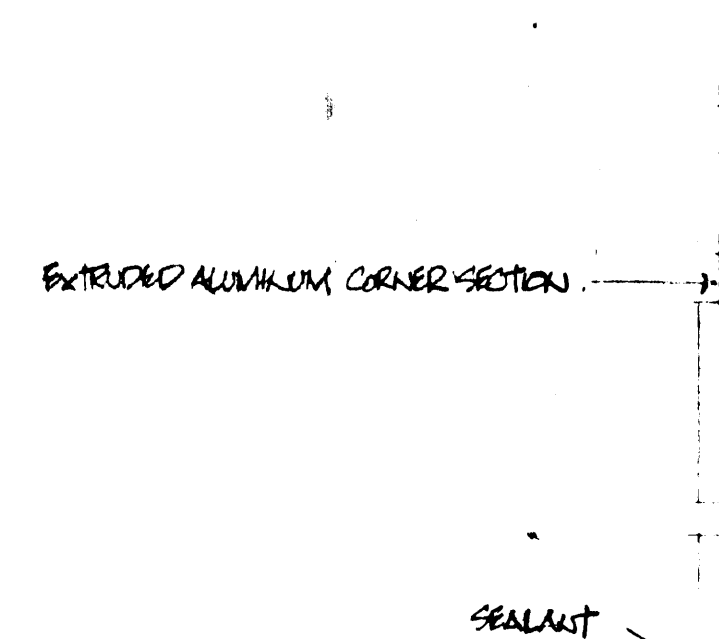
EXTRUDED ALUMINUM WINDOW SILL
10x50mm TOOL RESISTANT PERIMETER STEEL
10x50x150mm TOOL RESISTANT ANCHOR
TYPICAL EXTERIOR BLOCK WALL CONST.
EXTRUDED ALUMINUM CLADDING
19x64 HORIZ. STRAPPING @ 500mm O.C.
VERT. 38x64 METAL FURRING CHANNELS
VERTICALLY @ 464 O.C.
50x150 HORIZ. STRAPPING @ 650mm O.C.
FIXED TO 200mm CONC. BLOCK WITH
6mm Ø TIE-BARS @ 1000mm O.C.



**3
A-8
CELL WINDOW SILL**

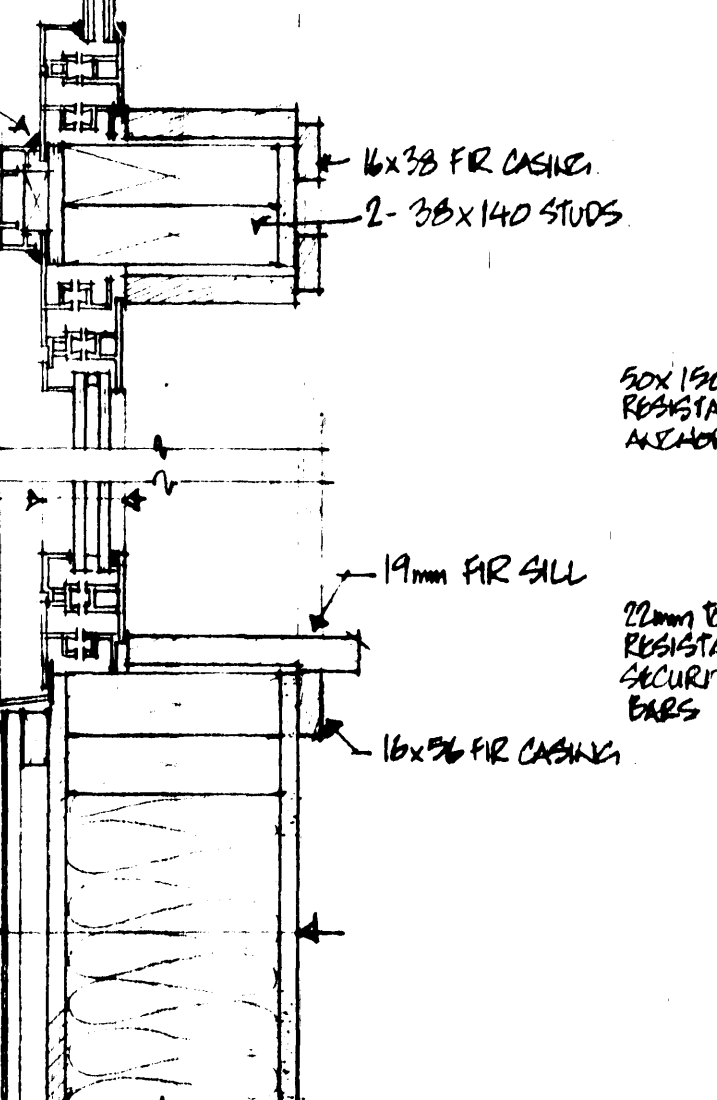
**4
A-8
TYPICAL WINDOW HEAD
SOFFIT / FASCIA**

TYPICAL SOFFIT
BAKED ENAMEL FINISH PERFORATED
ALUMINUM SOFFIT @ 38x89 @ 600 O.C.



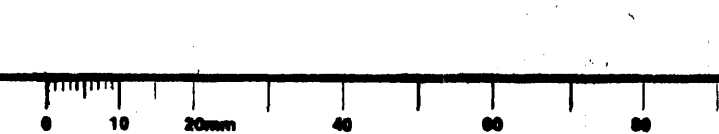
**5
A-8
TYPICAL WINDOW JAMB
& MULLION**

EXTRUDED ALUMINUM COVER TO MATCH SIDING
OVER 19x38 BLOCKING
THERMALLY BROKEN ALUMINUM
WINDOW FRAME, DOUBLE GLAZED
BAKED ENAMEL FINISH
EXTRUDED ALUMINUM WINDOW SILL
TYPICAL EXTERIOR FRAME WALL
EXTRUDED ALUMINUM CLADDING
19x64 HORIZ. STRAPPING @ 500mm O.C.
12mm PLYWOOD SHEATHING
38x140 STUDS @ 400mm O.C.
RSI 3.52 BATT INSULATION
0.15mm POLYETHYLENE VAPOUR BARRIER
12mm GYPSUM BOARD



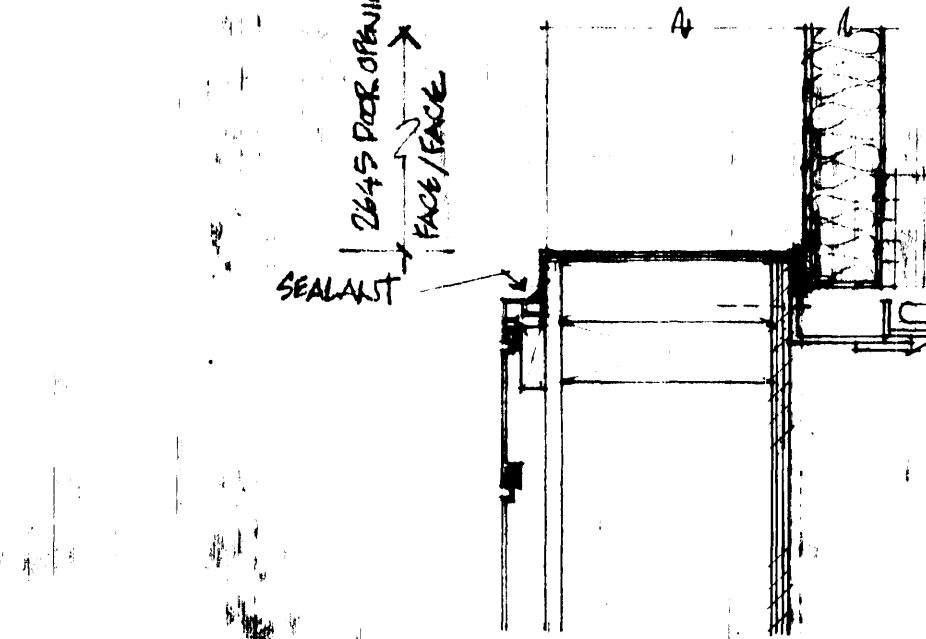
**6
A-8
TYPICAL WINDOW SILL**

EXTRUDED ALUMINUM WINDOW SILL
10x50x150mm TOOL RESISTANT ANCHOR

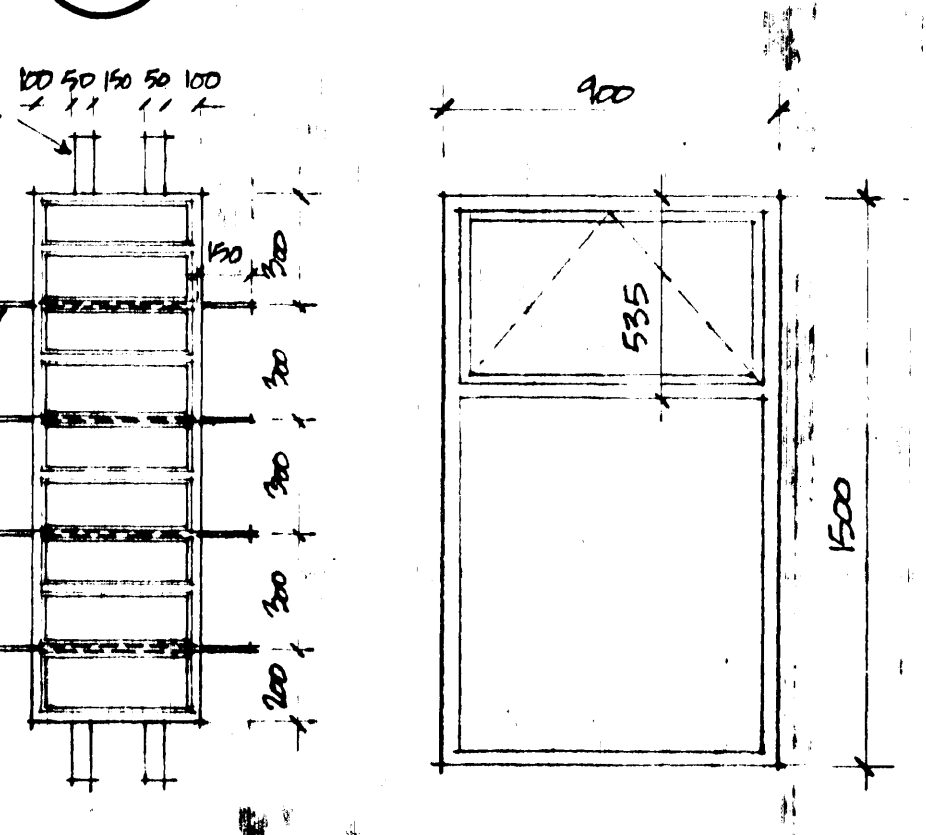


**7
A-8
SECURE BAY DOOR HEAD**

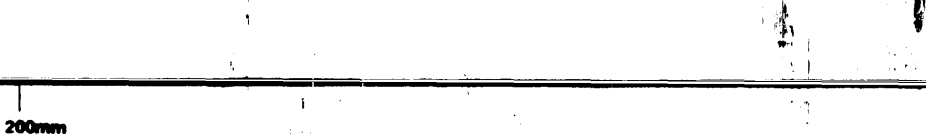
SECURE BAY DOOR
SECTIONAL INSULATED STEEL
DOOR 2700 WIDE x 2940 HIGH
STEEL CHANNEL FRAME
ENAMEL FINISH
TO MATCH WINDOWS



**8
A-8
SECURE BAY DOOR JAMB**



WINDOW TYPES



PACIFIC REGION

APPROVED BY DATE
REGIONAL FIRE COMMISSIONER

AS-BUILT 83-01-15

revisions date

A detail no. no. du détail
B location drawing no. sur dessin no.
C drawing no. dessin no.

project project

ANAHIM LAKE B.C.
R.C.M.P.
MODULAR IN-SITU
DETACHMENT

drawing dessin

INTERIOR DETAILS
SCALE AS NOTED



designed STANDARD conçu

date 80-12-5

drawn RS dessiné

date 80-12-5

reviewed RWT. examiné

date approved approuvé

Tender M. HUNTER Soumission

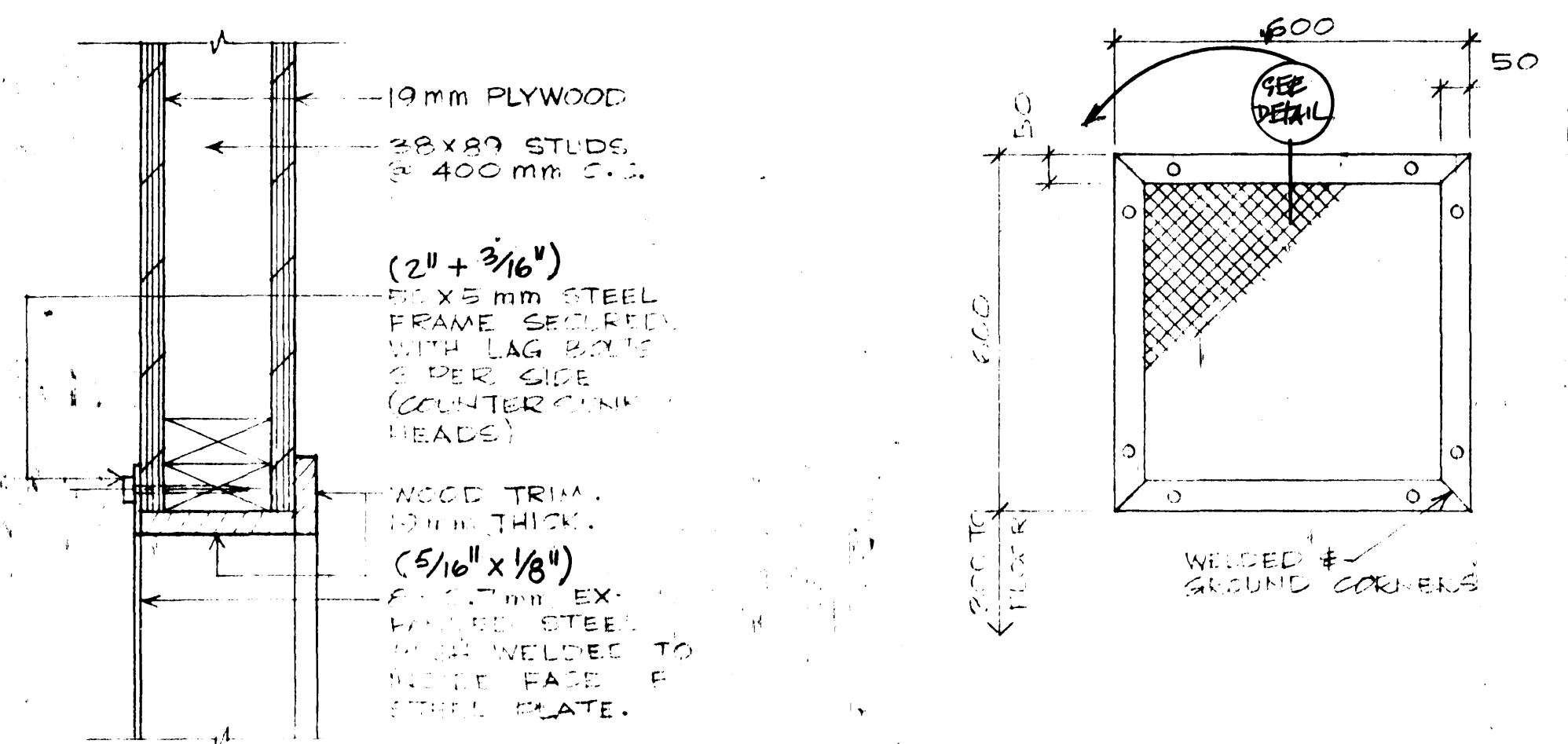
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project number no. de projet

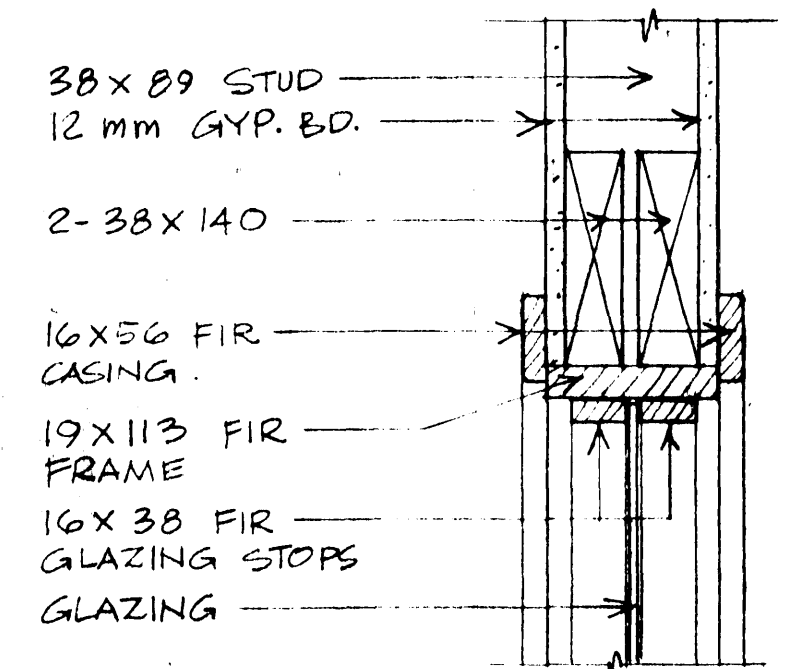
011850

drawing no. no. du dessin

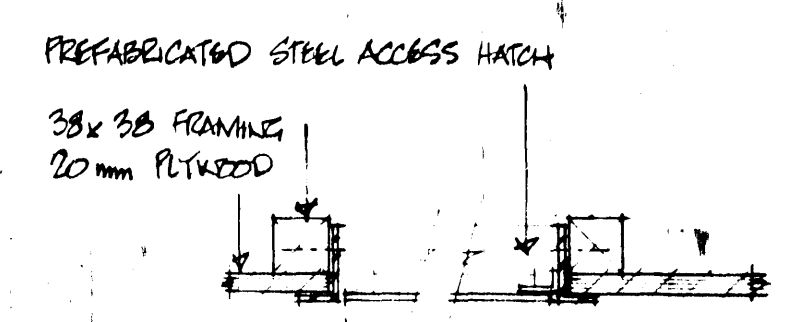
A9 of 12



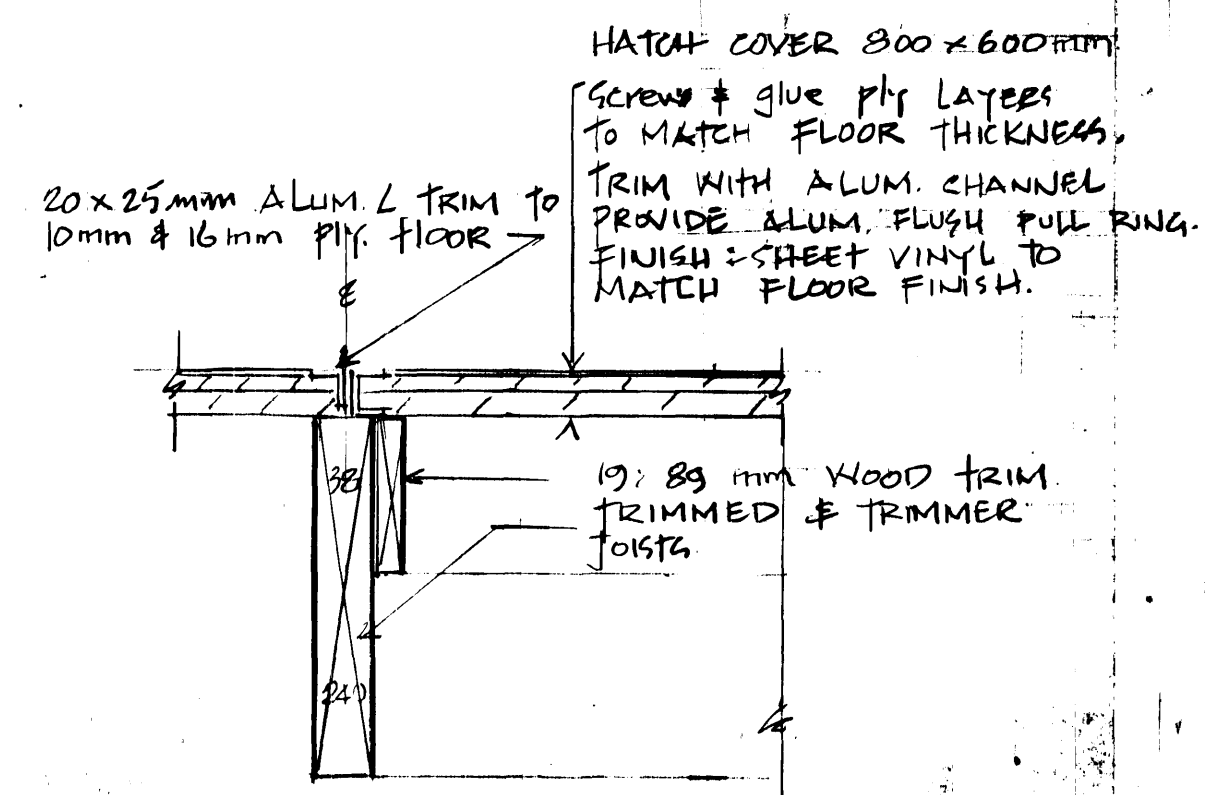
1 SECURITY GRILLE DETAIL
A9 1:5



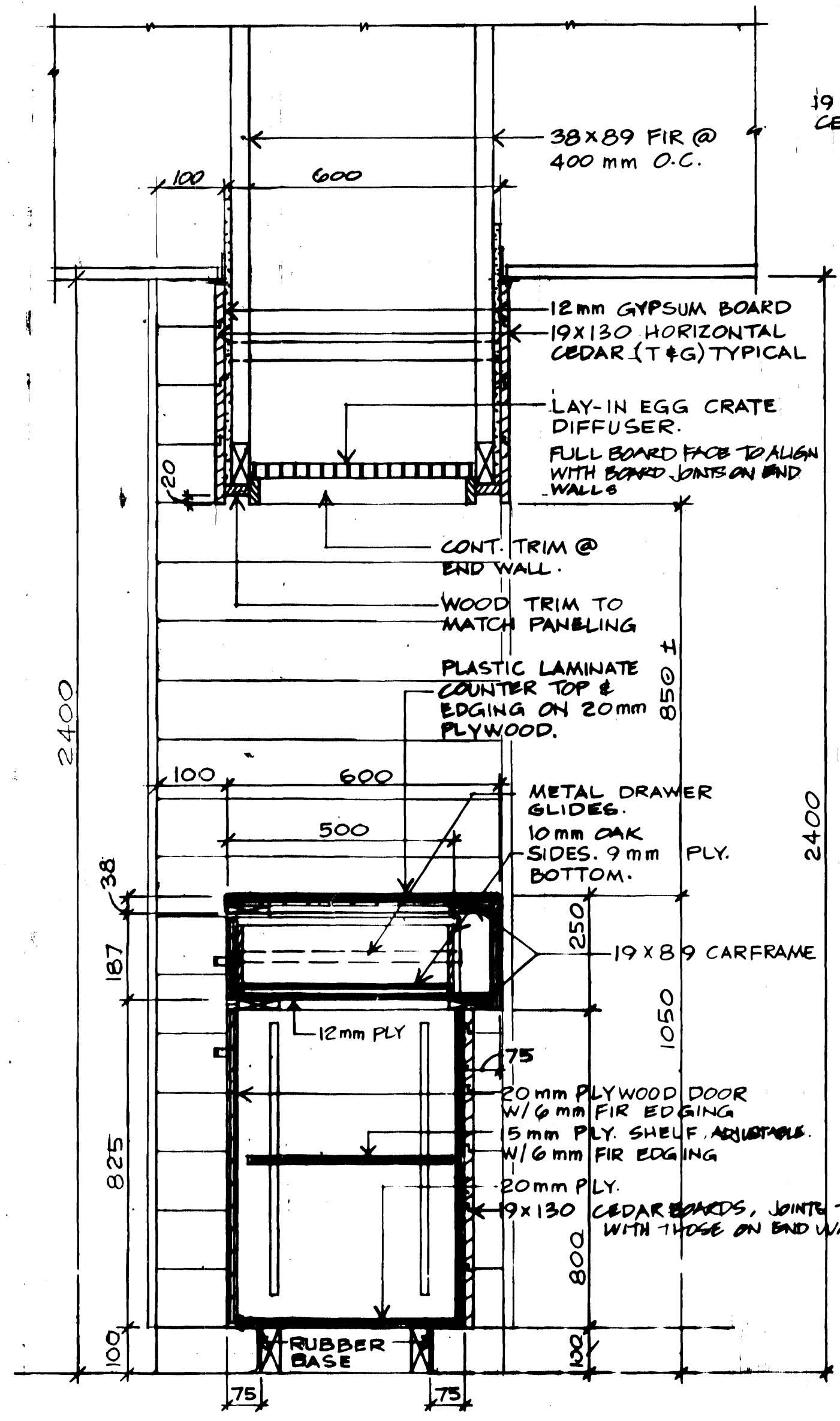
2 WINDOW DETAIL
A9 1:5
NOTE: HEAD, JAMBS & SILL TYPICAL.
1200x1200. HEAD TO LINE UP WITH DOOR HEAD.



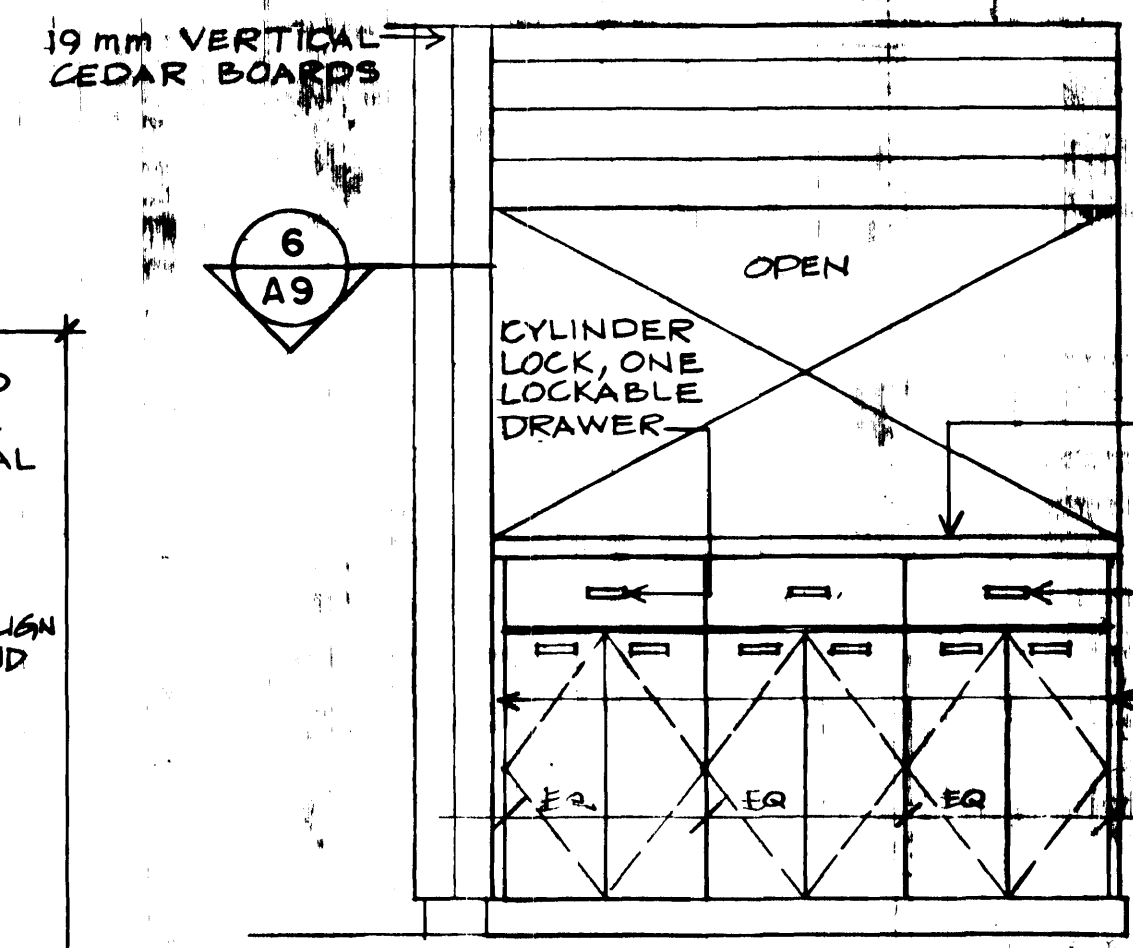
3 CEILING HATCH
A9 1:5



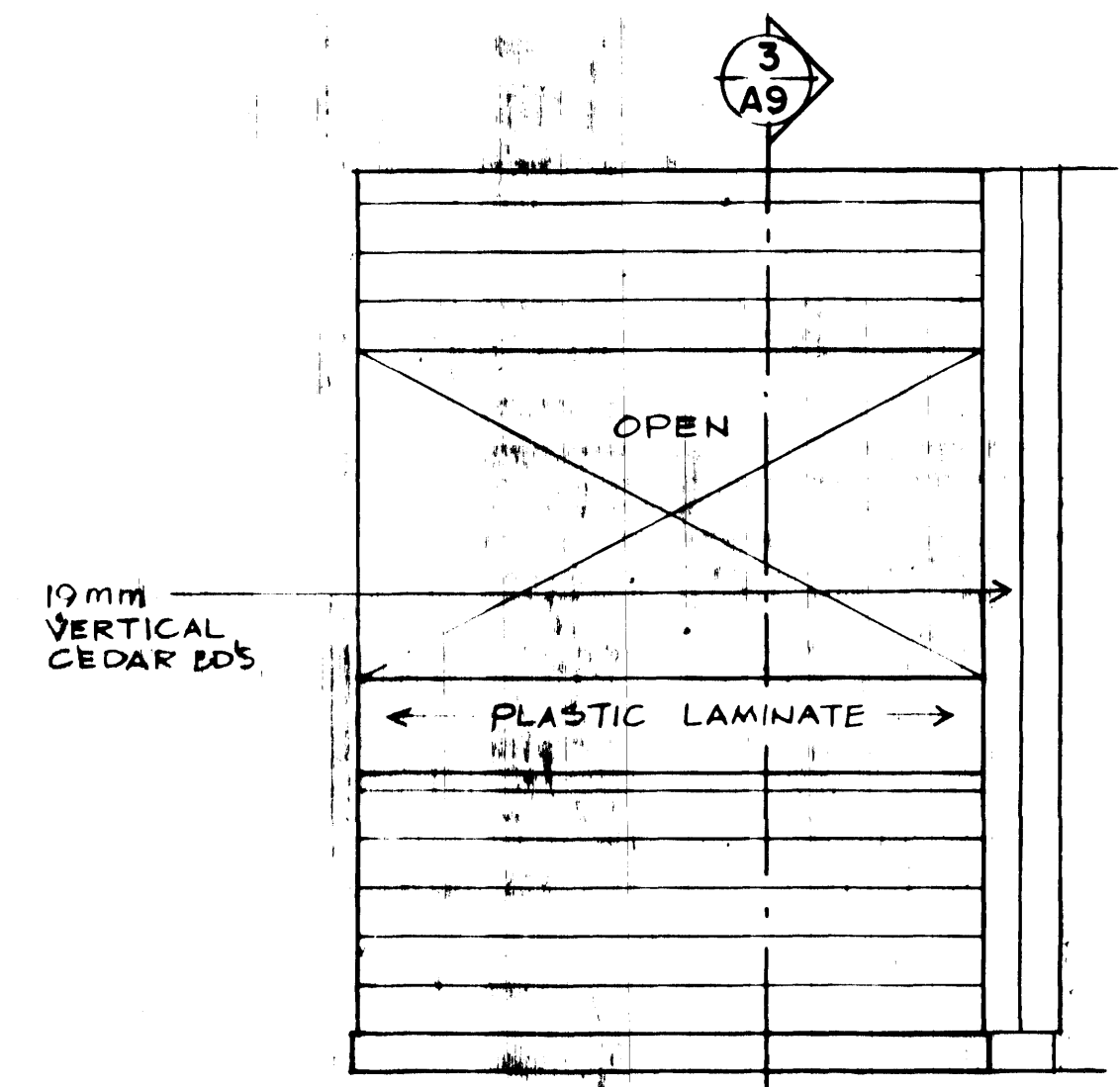
4 FLOOR HATCH
A9 1:5



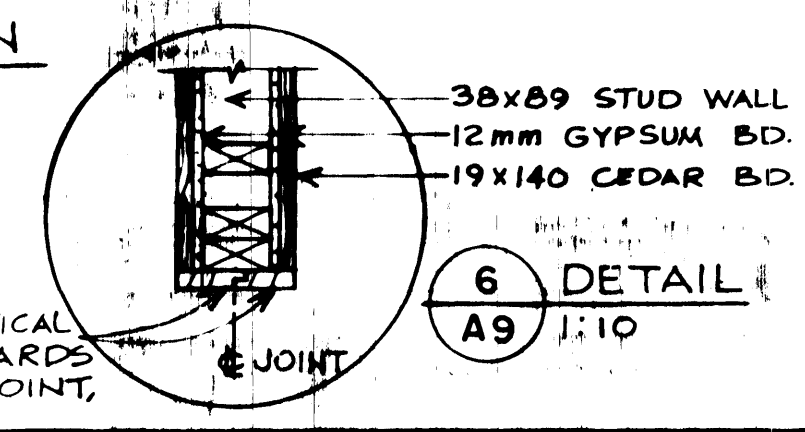
5 RECEPTION COUNTER - SECTION
A9 SCALE 1:10



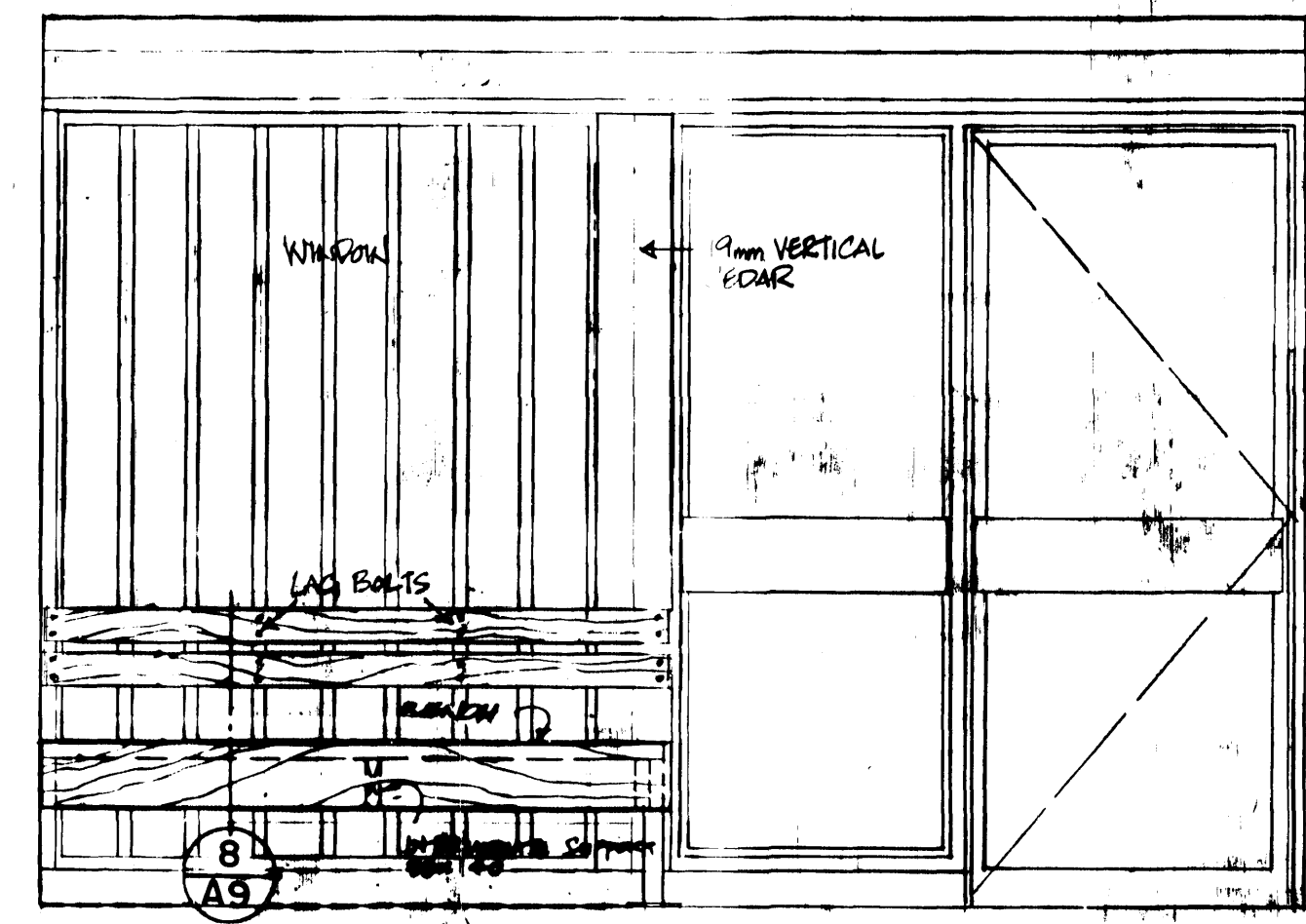
6 REAR ELEVATION
A9 1:20



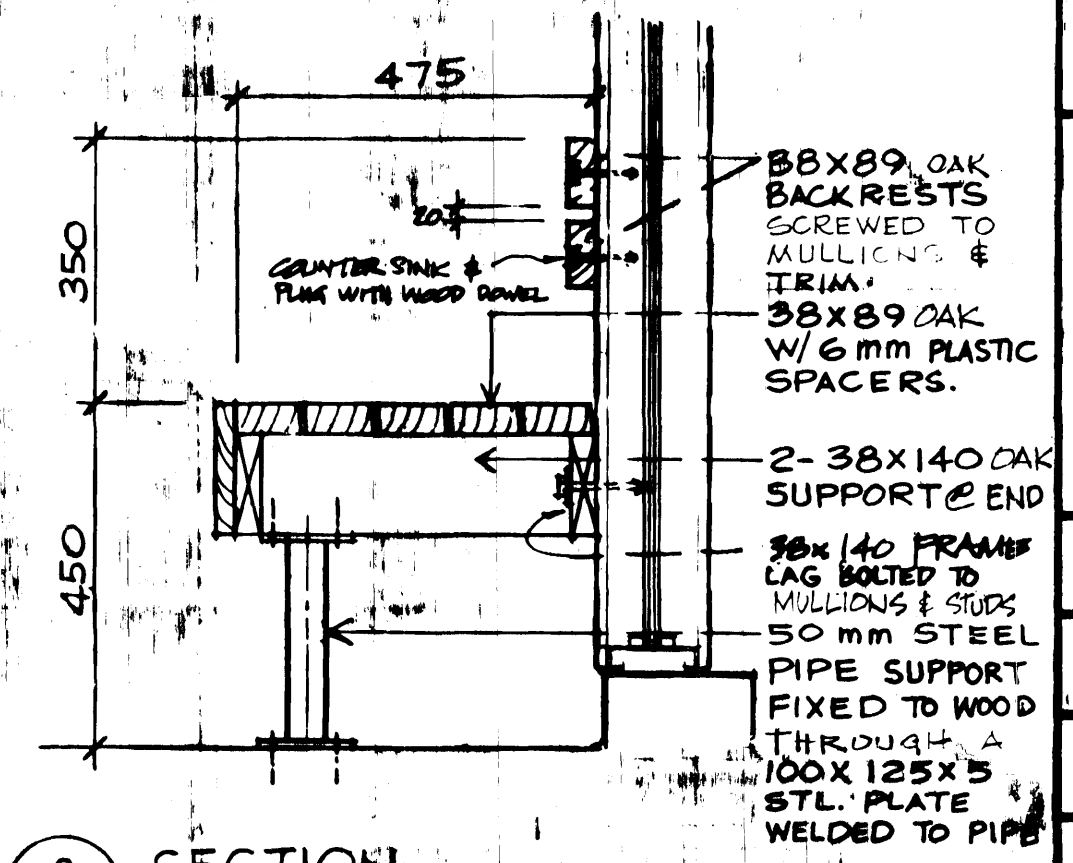
7 FRONT ELEVATION
A9 1:20



8 DETAIL
A9 1:10

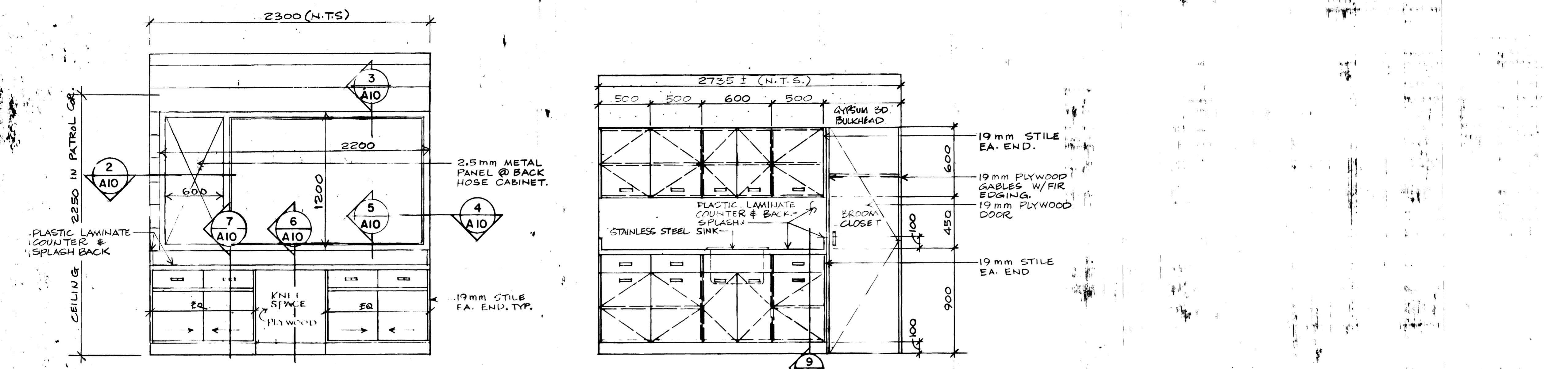


9 RECEPTION BENCH & WALL ELEVATION
A9 1:20



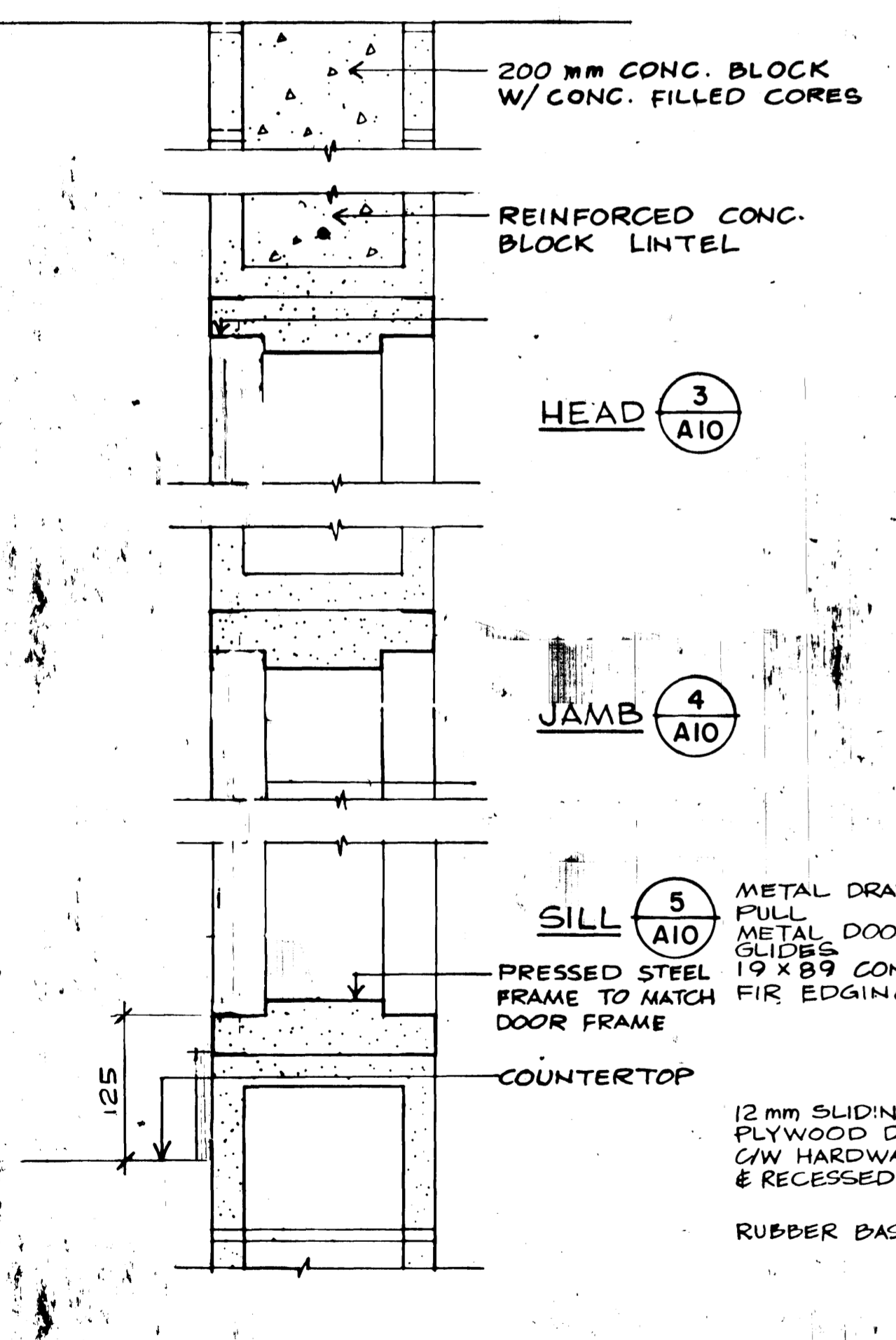
10 SECTION
A9

PACIFIC REGION

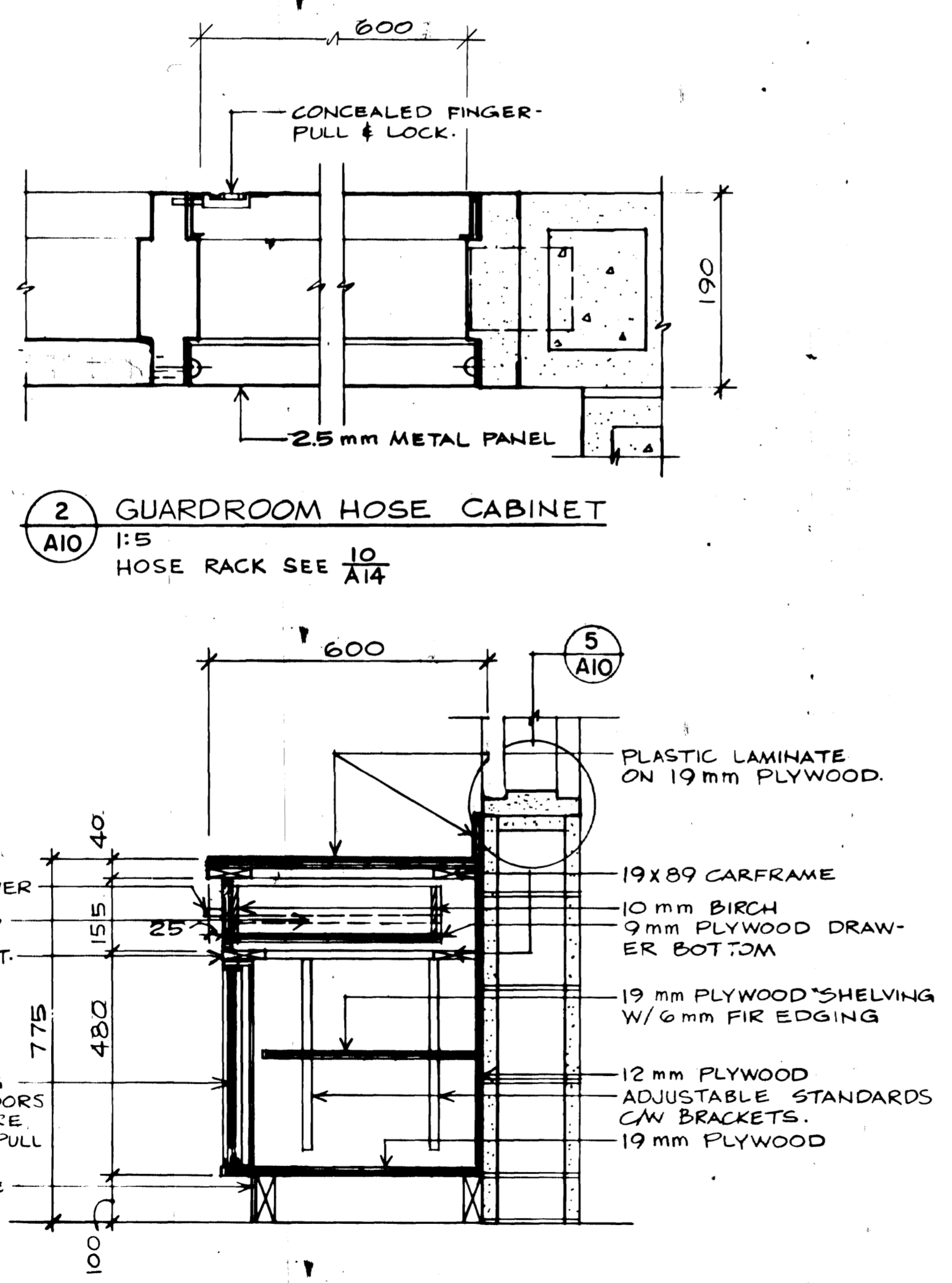


1 GUARDROOM DESK
A10 1:20

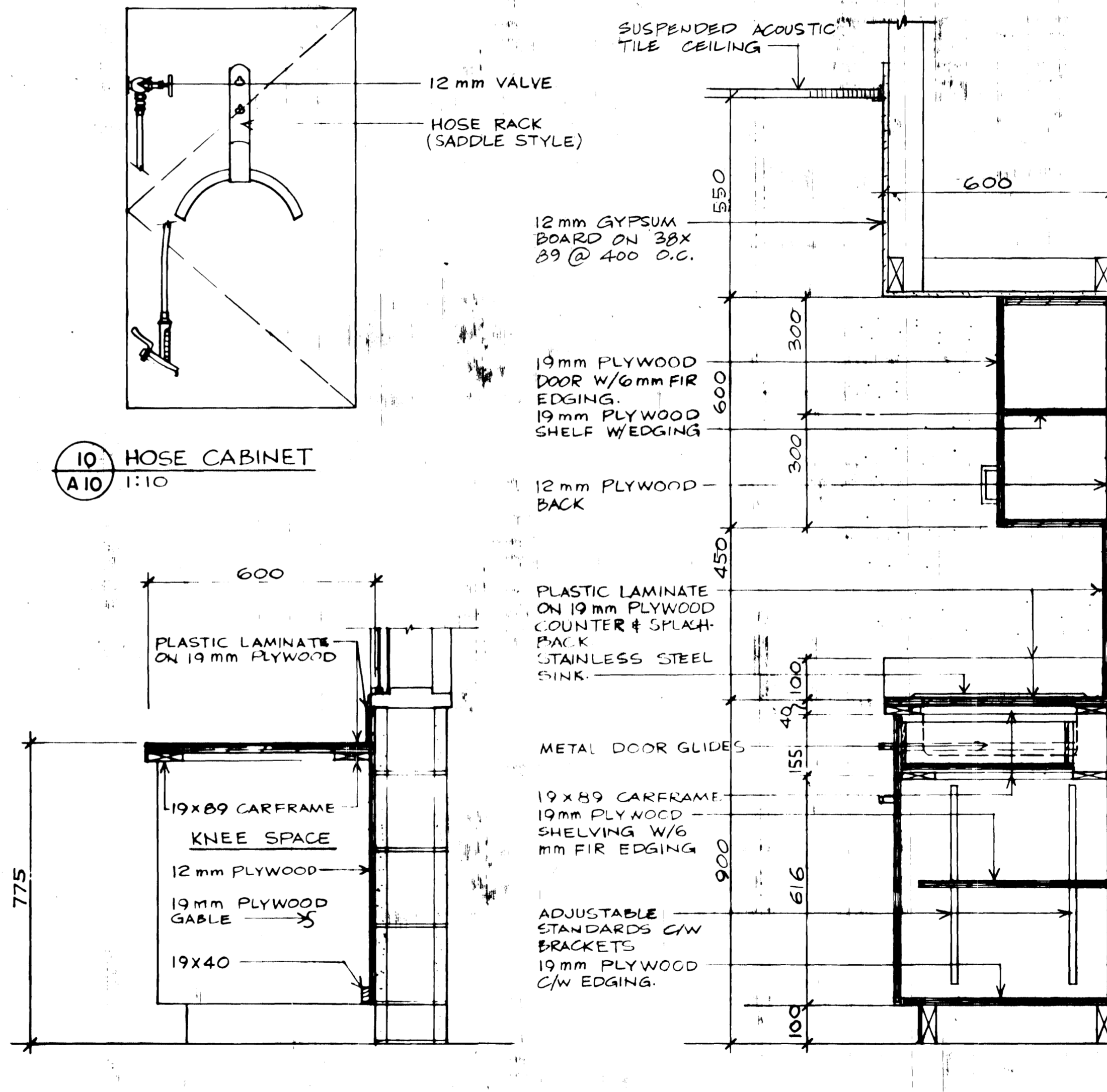
8 PARADE ROOM COUNTER
A10 1:20



GUARDROOM WINDOW SECTION
1:5



6 GUARDROOM DESK SECTION
A10 1:10



7 GUARDROOM COUNTER SECTION
A10 1:10

9 PARADE ROOM COUNTER
A10 1:10

NOTE: USE CONCEALED PIN HINGES (TYPICAL)

APPROVED BY DATE
REGIONAL FIRE COMMISSIONER

AS BUILT. 83-01-15

revisions	date
A	A detail no. no. du détail
B	B location drawing no. sur dessin no.
C	C drawing no. dessin no.

project project
ANAHIM LAKE B. C.
R.C.M.P.
MODULAR IN-SITU DETACHMENT

drawing dessin
INTERIOR DETAILS
SCALE AS NOTED



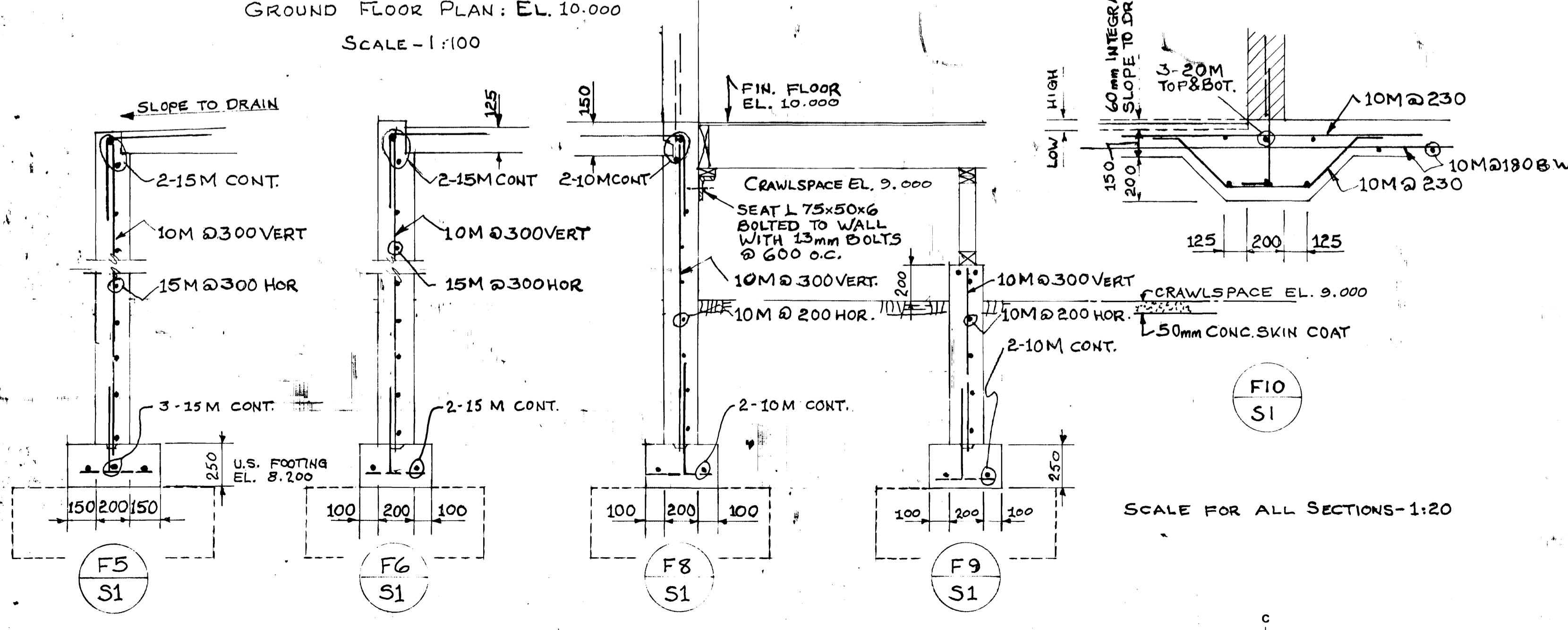
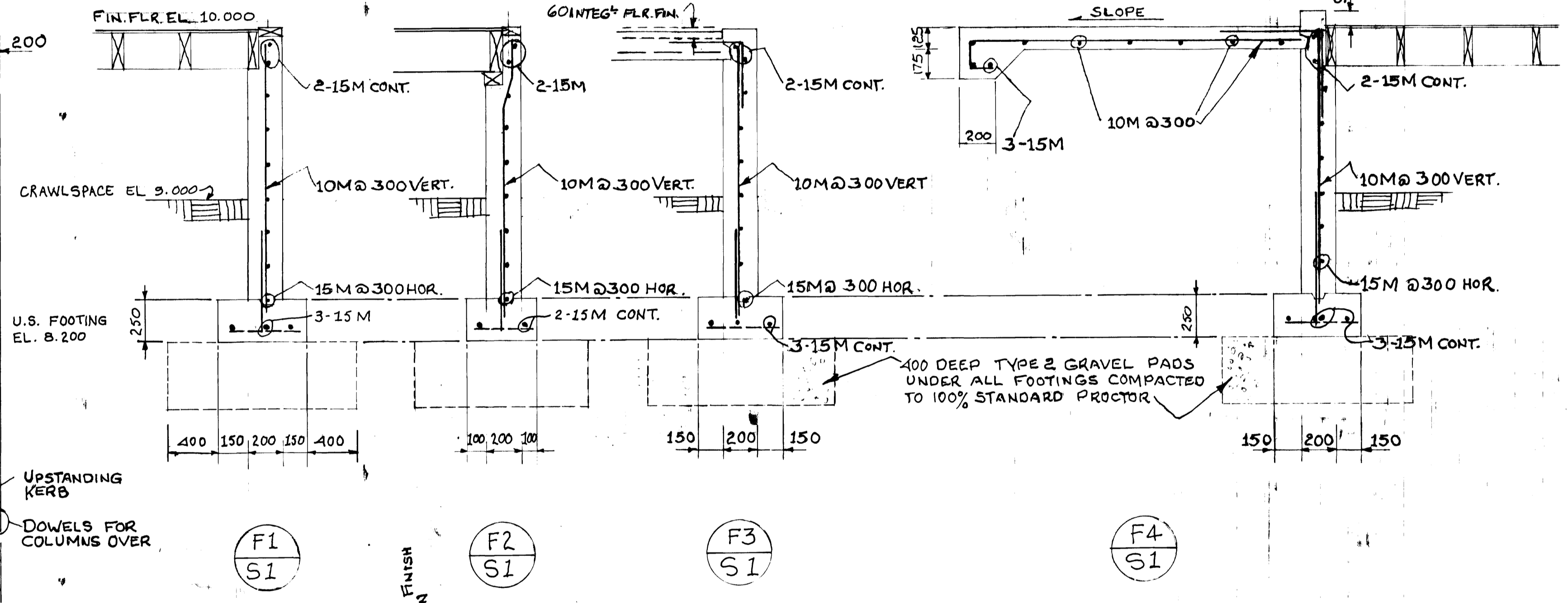
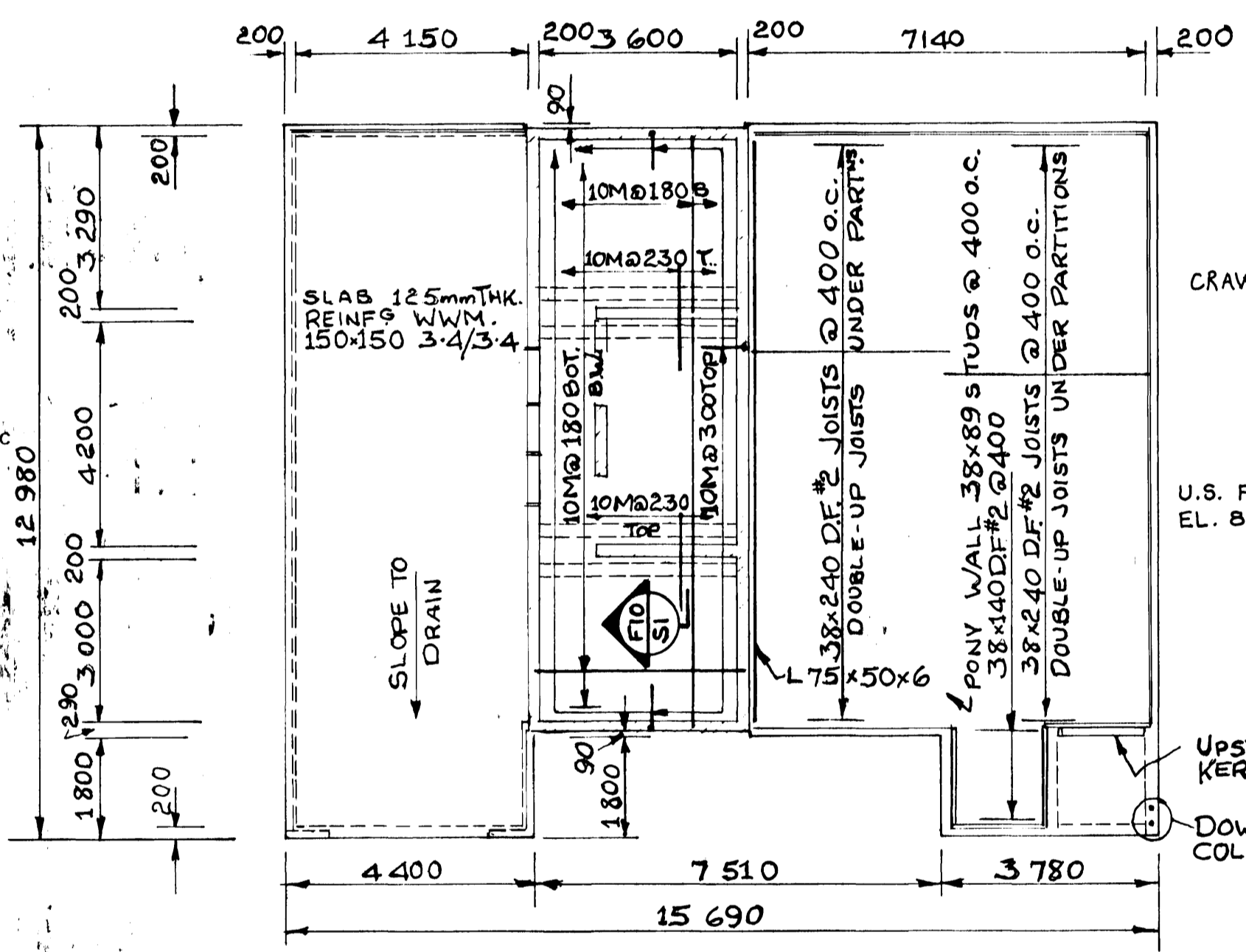
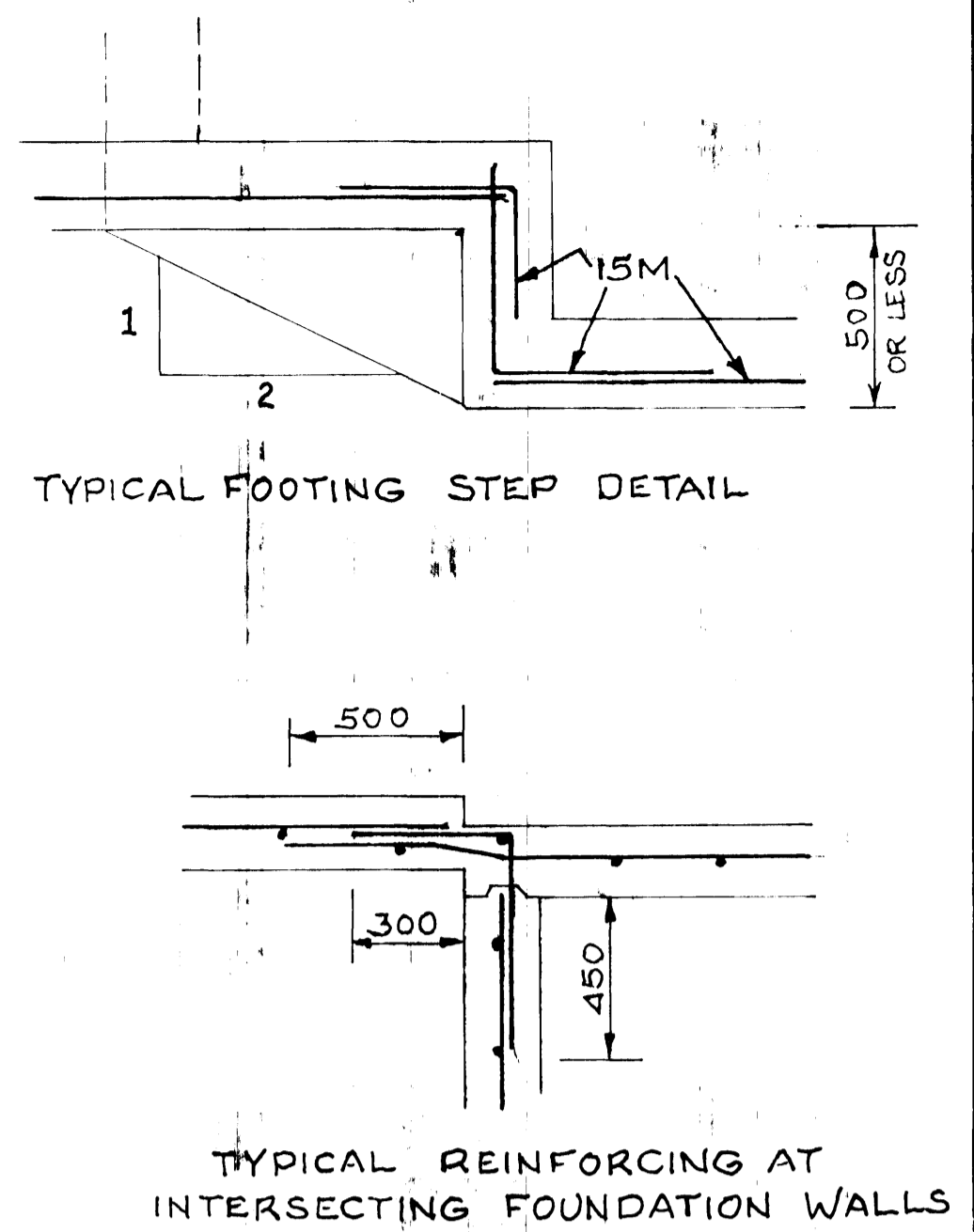
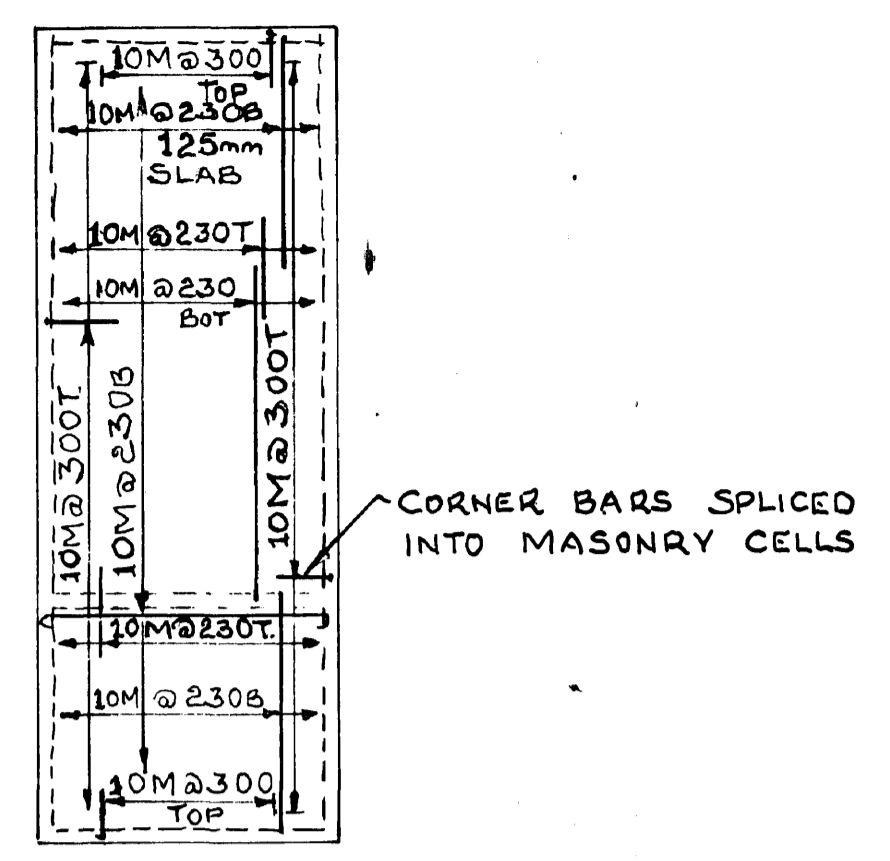
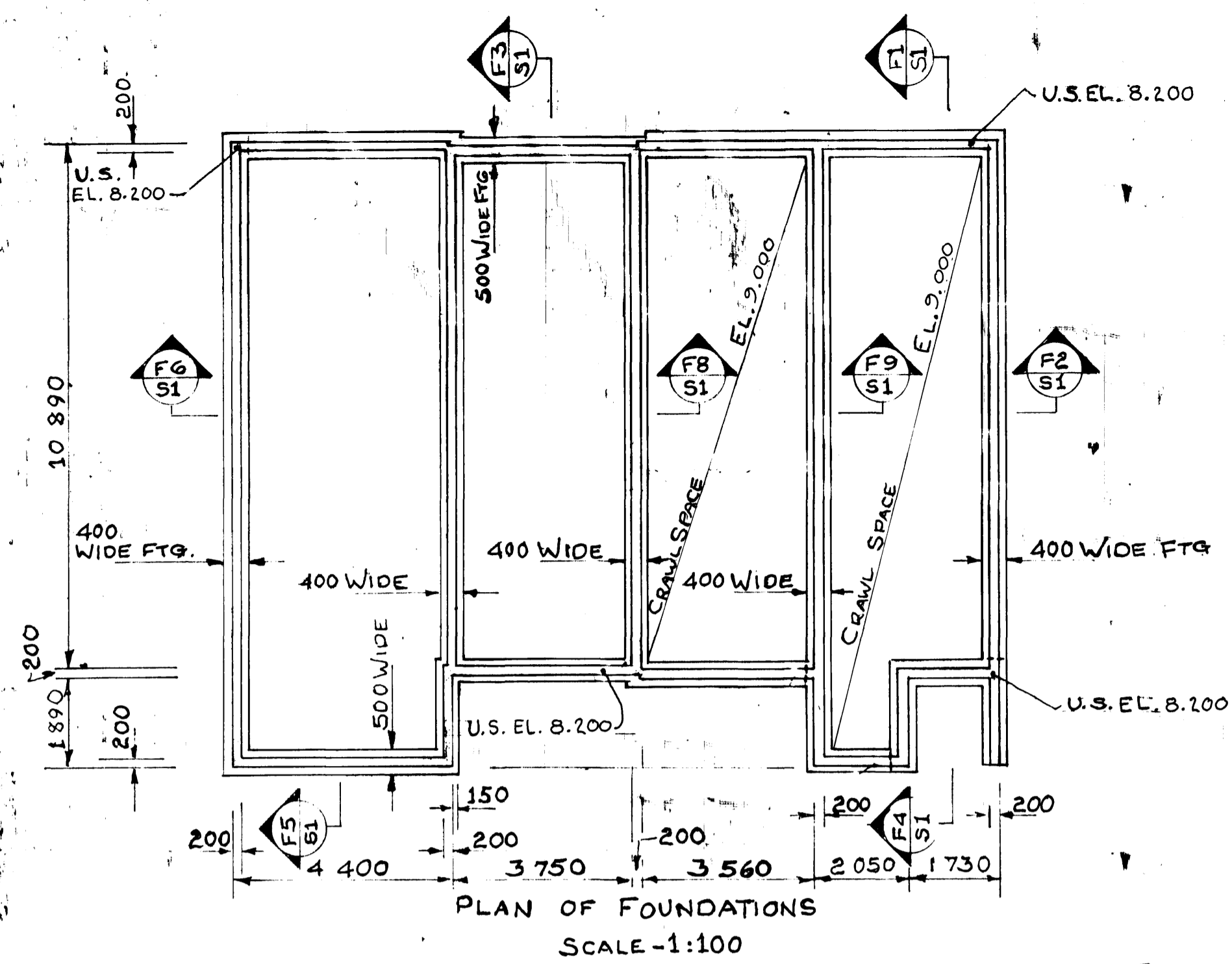
designed	STANDARD	conçu
date	80-12-5	
drawn	RS	dessiné
date	80-12-5	
reviewed	FXT	examiné
date		
approved		approuvé
date		

Tender M. HUNTER Soumission

PWC Project Manager Administrateur de projets TPC

project number no. du projet
011850

drawing no. no. du dessin
A10 of 12



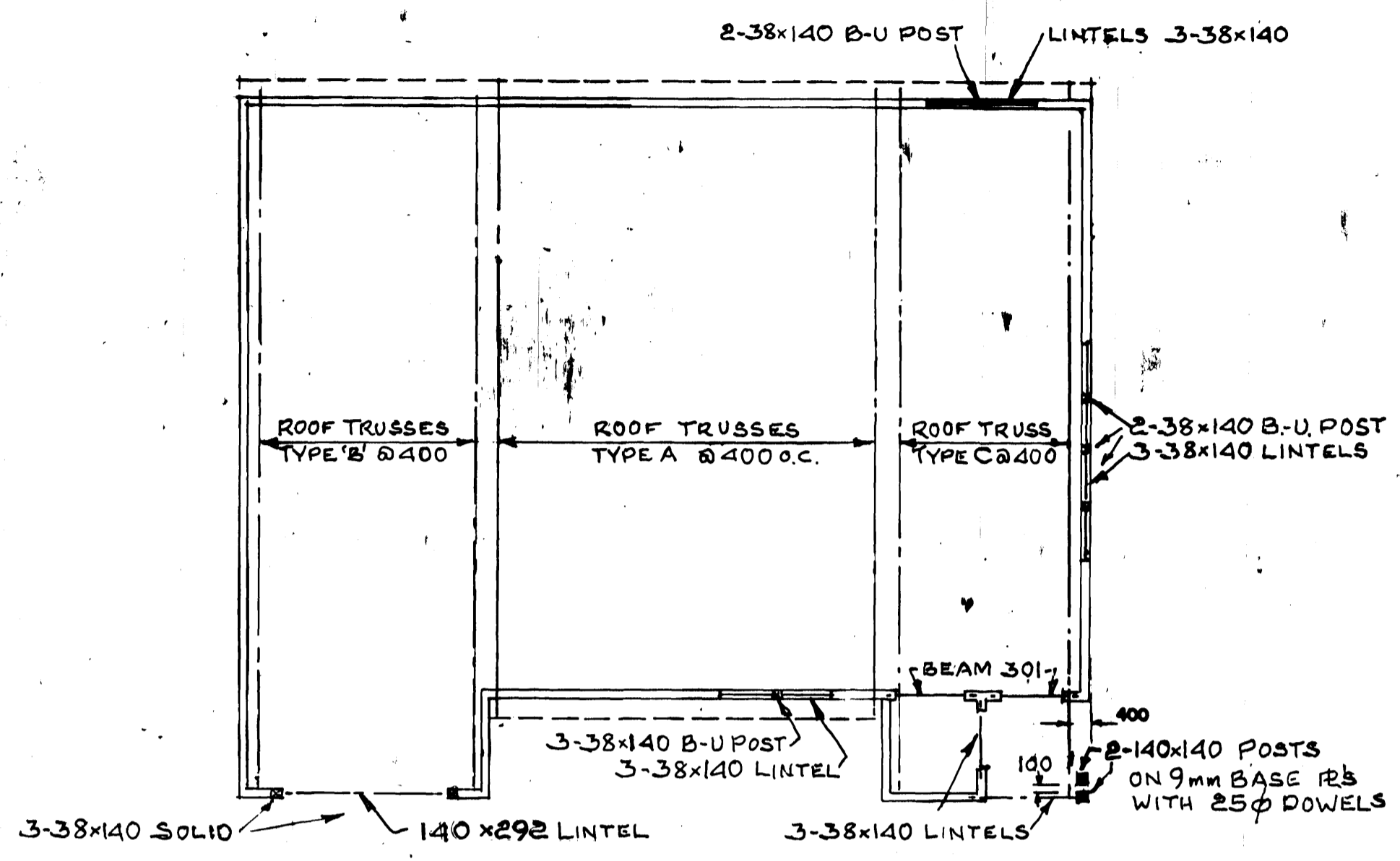
- GENERAL NOTES**
- DESIGN IS IN ACCORDANCE WITH THE NATIONAL BUILDING CODE, 1980.
 - GROUND FLOOR DESIGN LIVE LOAD IS 1.8 KN/M².
 - CEILING SLAB AND ATTIC DESIGN LIVE LOAD IS 0.18 KN/M².
 - ROOF DESIGN LIVE LOAD 2.0 KN/M².
 - FOOTINGS SHALL BE FOUND ON A PAD OF TYPE 2 GRAVEL 400mm THICK COMPACTED IN 200mm LAYERS TO 100% PROCTOR AND BE LOCATED AT LEAST 1500 BELOW FINISHED GRADE.
 - BACKFILL UNDER SLABS SHALL BE APPROVED GRANULAR FILL, TYPE 2, COMPACTED TO 100% STANDARD PROCTOR DENSITY.
 - CONCRETE STRENGTH AT 28 DAYS SHALL BE 25 MPa WITH 6% ENTRAINED AIR. REINFORCING SHALL BE 300 MPa STEEL DETAILED IN ACCORDANCE WITH ACI MANUAL. CONCRETE COVER TO REINFORCING SHALL BE 75mm IN BOTTOM AND 50mm AT SIDES OF FOUNDATIONS AND FOR SLABS ON GRADE, AND 20mm FOR SLABS ELSEWHERE.
 - MASONRY WALLS SHALL BE H/12.5/A/M BLOCKS WITH TYPE M MORTAR. ALL MASONRY SHALL BE REINFORCED WITH 15M @ 600mm O.C. VERTICALLY AND 9 GAUGE TRUSS OR LADDER JOINT REINFORCING EVERY SECOND COURSE. ALL REINFORCED CORES SHALL BE FILLED WITH GROUT. A 200x200 MASONRY Lintel BEAM WITH 200 BEARING REINFORCED WITH 2-15M BOTTOM SHALL BE PROVIDED OVER ALL OPENINGS UNLESS NOTED OTHERWISE.
 - ALL STEEL ANGLES, BOLTS, PLATES ETC. LEFT EXPOSED SHALL BE GALVANIZED.
 - PROVIDE ALL APERTURES, FIXING INSERTS, RECESSES AND SLAB SLOPES INDICATED ON THE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS. DISCREPANCIES BETWEEN DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.

AS BUILT 83-01-15

REVISIONS	DATE
A	
B	
C	

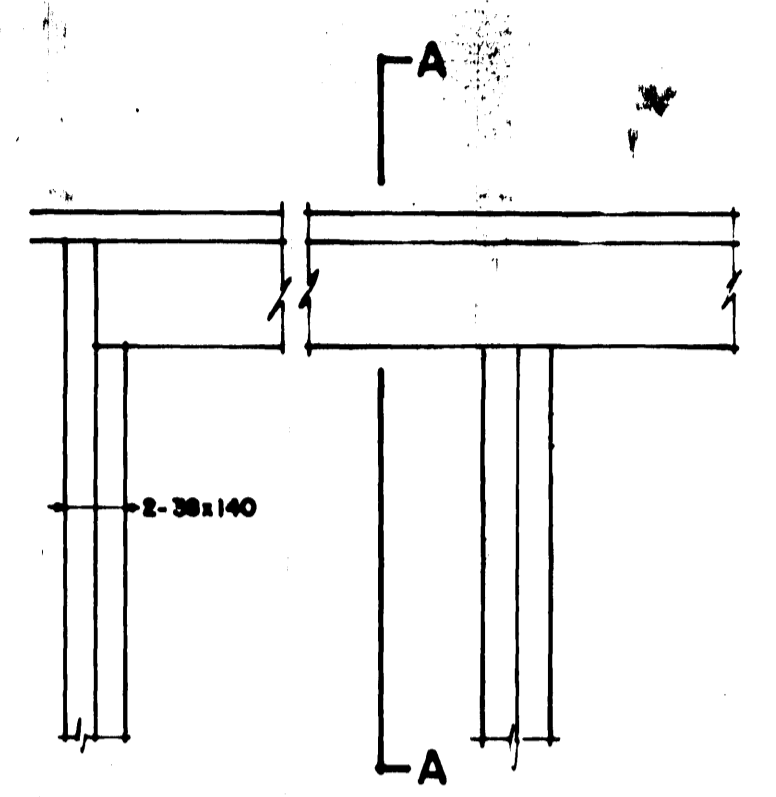
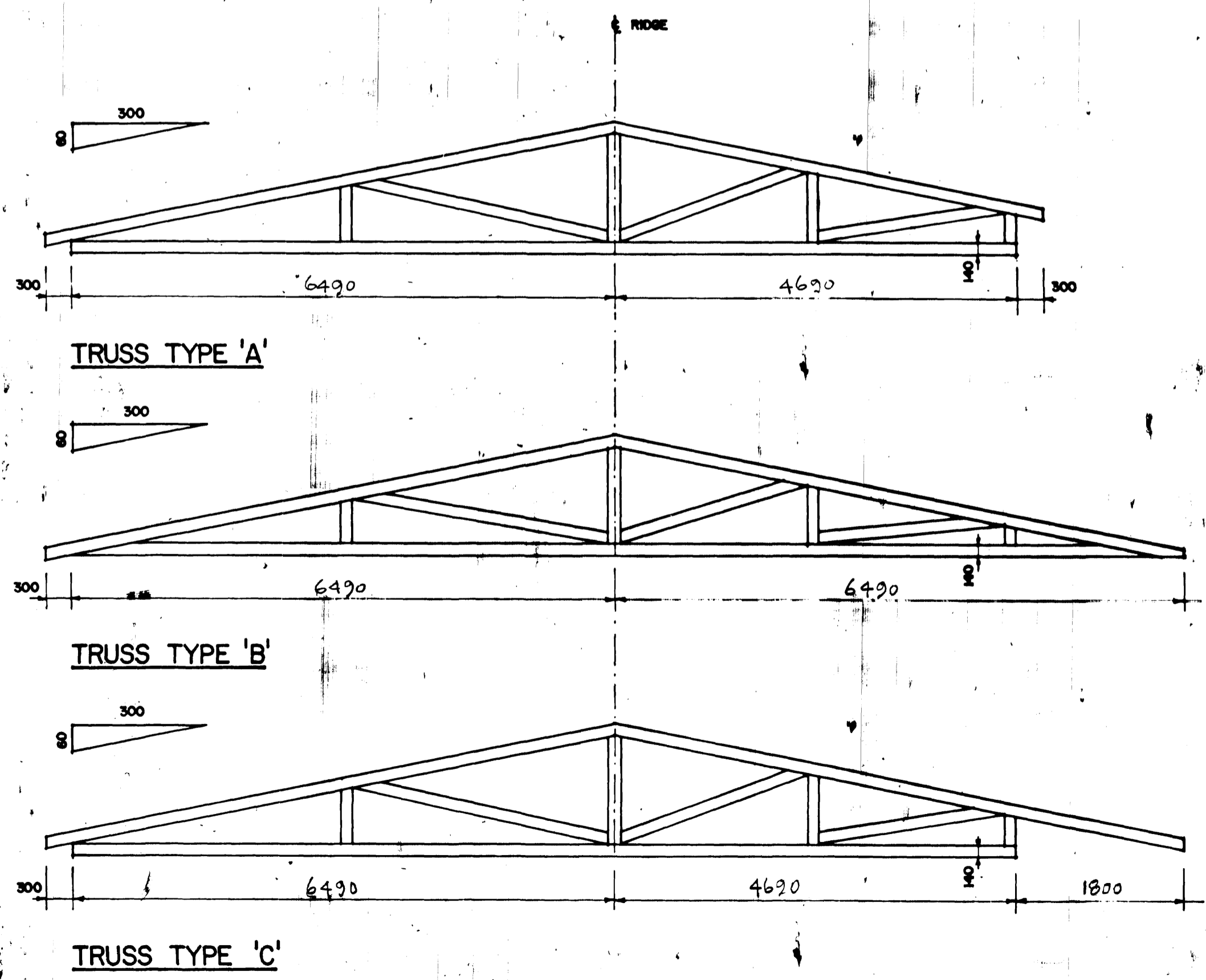
ANAHIM LAKE, B.C.,
RCMP
MODULAR-IN-SITU
DETACHMENT

DESIGNED	CONQU
DATE	
DRAWN	F.F.G.
DATE	
REVIEWED	EXAMINE
DATE	
APPROVED	APPROVE
DATE	
TENDER	SUBMISSION
PWC Project Manager	Administrateur de projets IPC
PROJECT NUMBER	no. du projet
011850	
DRAWING NO.	no. du dessin
S1 OF 2	



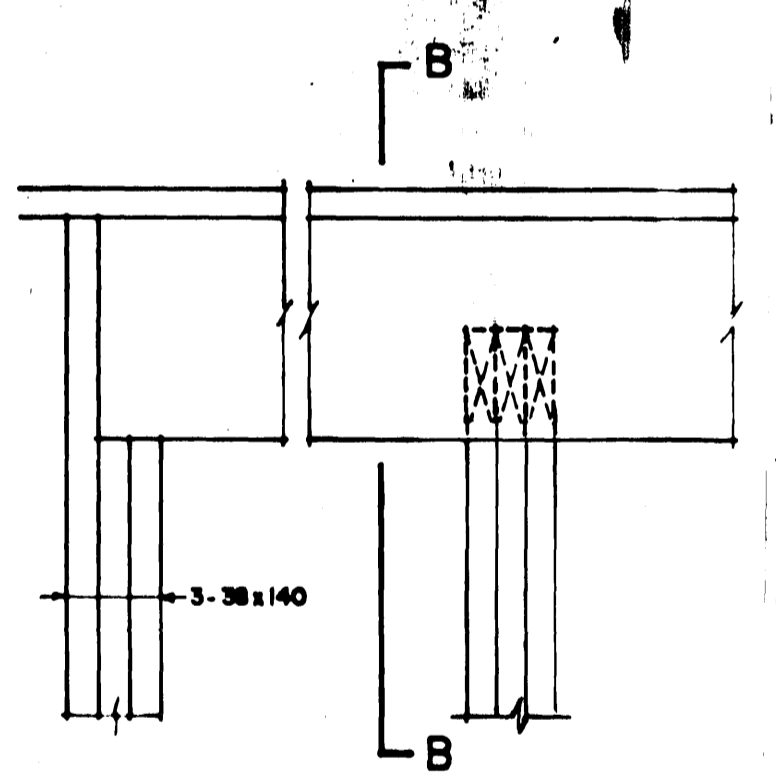
PLAN OF ROOF FRAMING

SCALE - 1:100



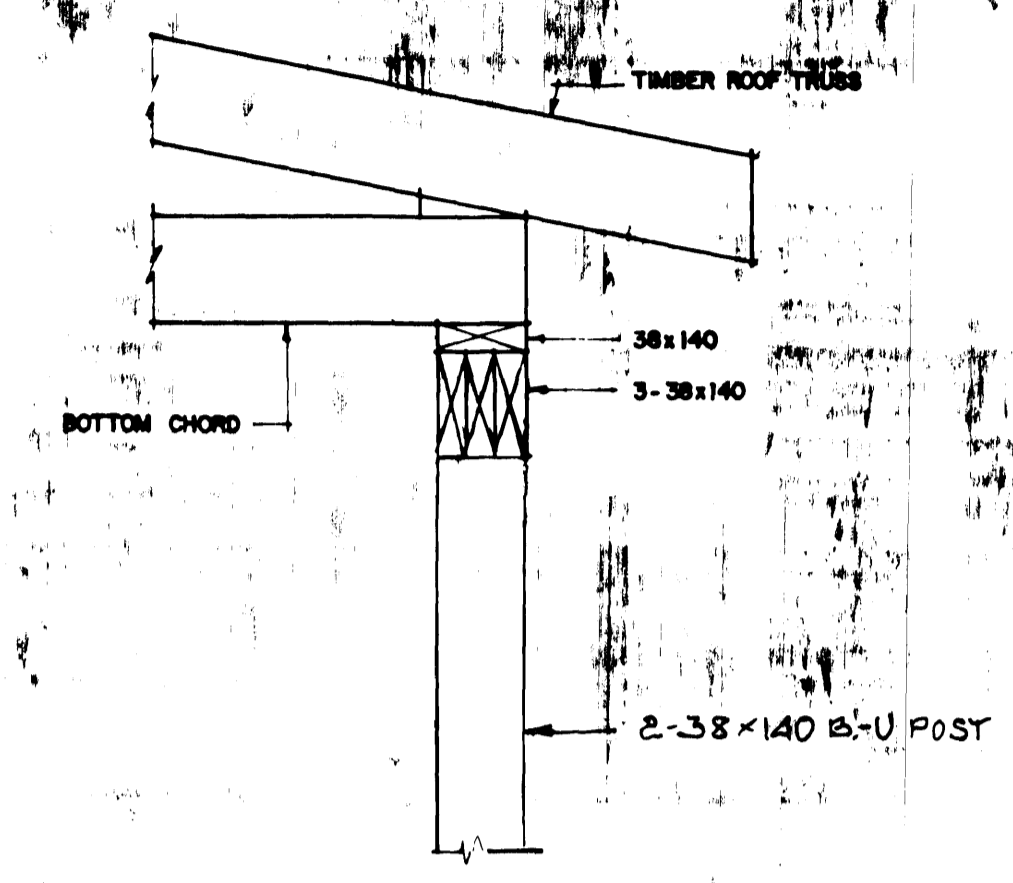
TYPICAL LINTEL OVER WINDOWS

SCALE 1:10

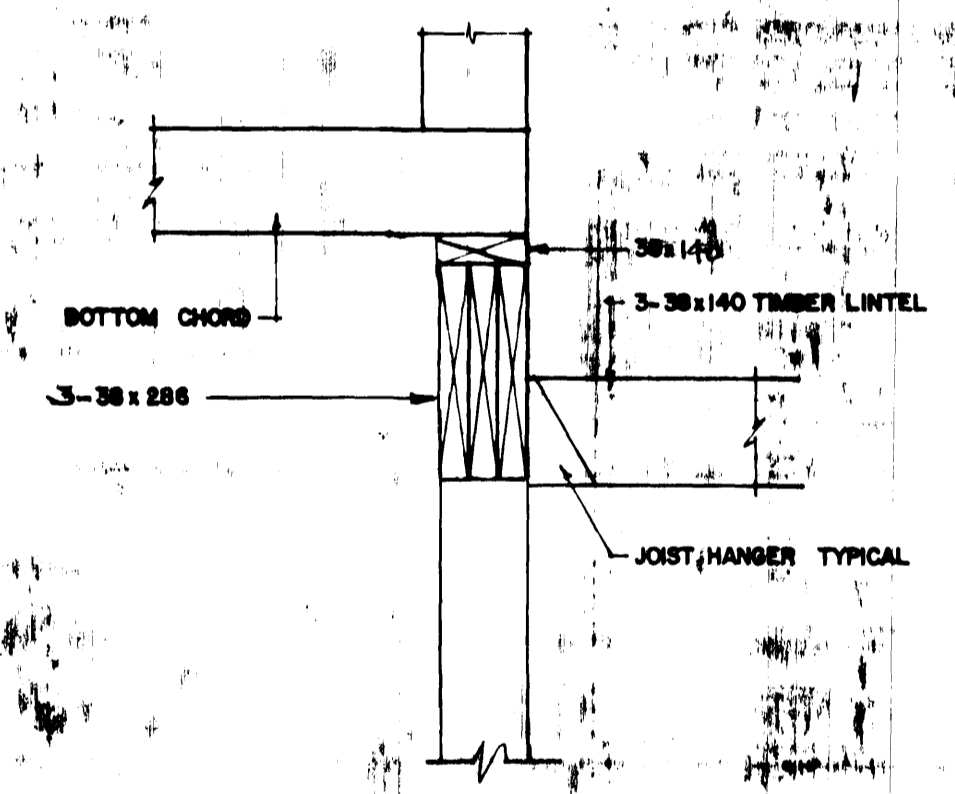


ELEVATION OF BEAM 301

SCALE 1:10



SECTION A-A



SECTION B-B

- NOTES
- ALL TIMBER TO BE SPRUCE-PINE-FIR #2 GRADE OR BETTER, EXCEPT WHERE INDICATED OR NOTED OTHERWISE.
 - NAILS TO BE SPIRAL NAILS.
 - ALL MEMBERS WITHIN BEAM SHALL BE INDIVIDUALLY NAILED TOGETHER WITH 80mm NAILS AT 250mm o.c. STAGGERED.
 - GALVANIZE ALL BOLTS, PLATES, ANGLES ETC. TO BE LEFT EXPOSED TO THE ATMOSPHERE.
 - ROOF DESIGN LIVE LOAD = 2.0kN/m²
 - THE ARRANGEMENT OF TRUSS WEB MEMBERS INDICATED ON THIS DRAWING IS A SUGGESTED LAYOUT ONLY. THE TRUSSES SHALL BE DESIGNED FOR A ROOF LIVE LOAD OF 2.0kN/m² AND AN ATTIC LIVE LOADING OF 0.48kN/m². DESIGN MUST BE BY P.E.N.G.
 - ALL TRUSSES SHALL BE SECURELY FIXED TO TOP PLATE OF TIMBER STUD WALL.

AS BUILT 83-01-15

revisions	date

A	A detail no. no. du détail	A
B	B location drawing no. sur dessin no.	B C
C	C drawing no. dessin no.	C

project project

ANAHIA LAKE, B.C.,
RCMP
MODULAR-IN-SITU
DETACHMENT

drawing BC020748

ROOF FRAMING
PLAN AND
DETAILS

designed	conçu
date	80-11-12
drawn	P.F.G.
date	80-11-14
reviewed	examiné
date	
approved	approuvé
date	
Tender	Soumission
PRC Project Manager	Administrateur de projet JPC

project number 011850

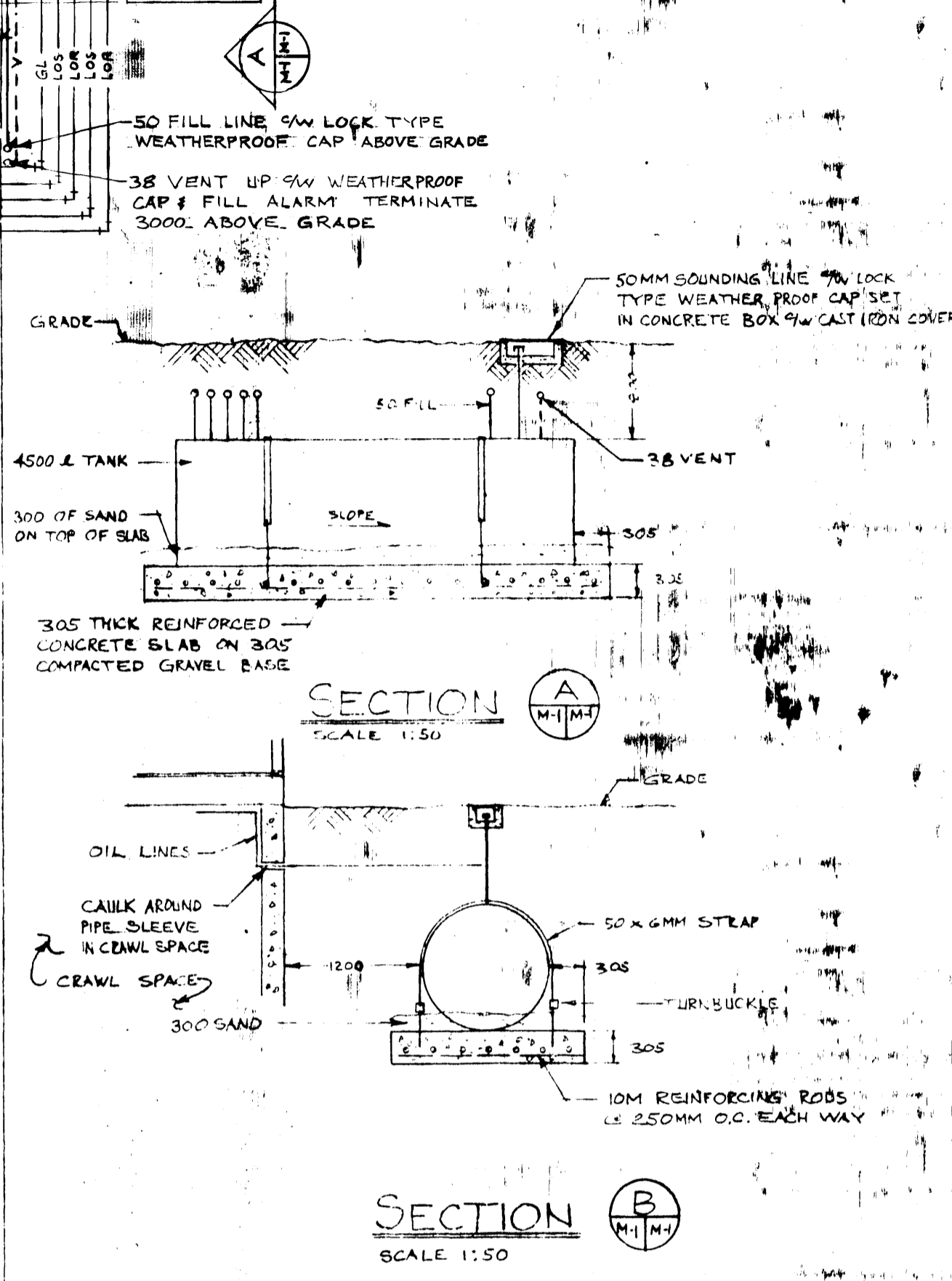
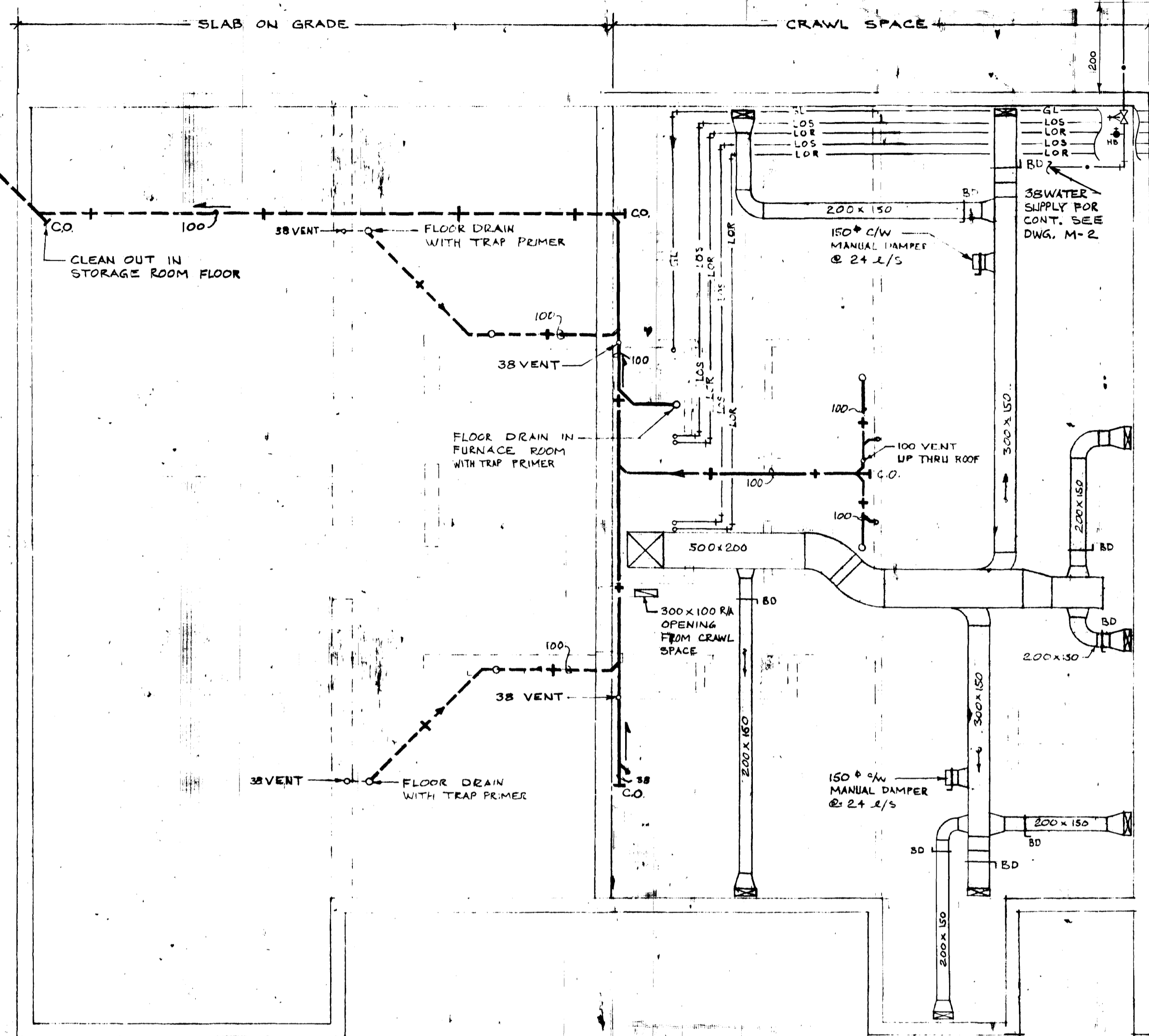
drawing no. 52 of 2



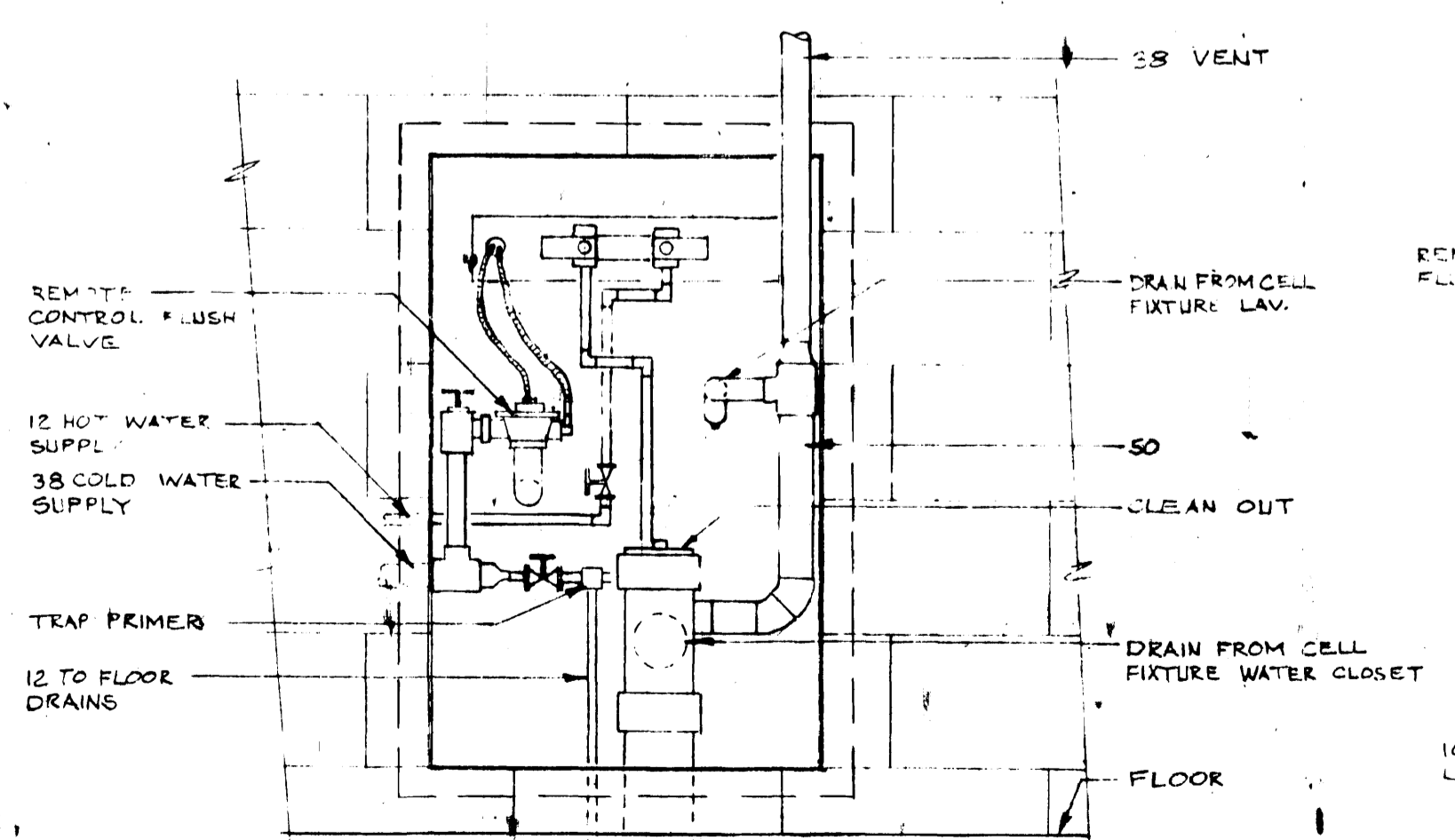
NOTE
1. INSTALL OIL TANK 1200MM FROM FOUNDATION WALL

LEGEND

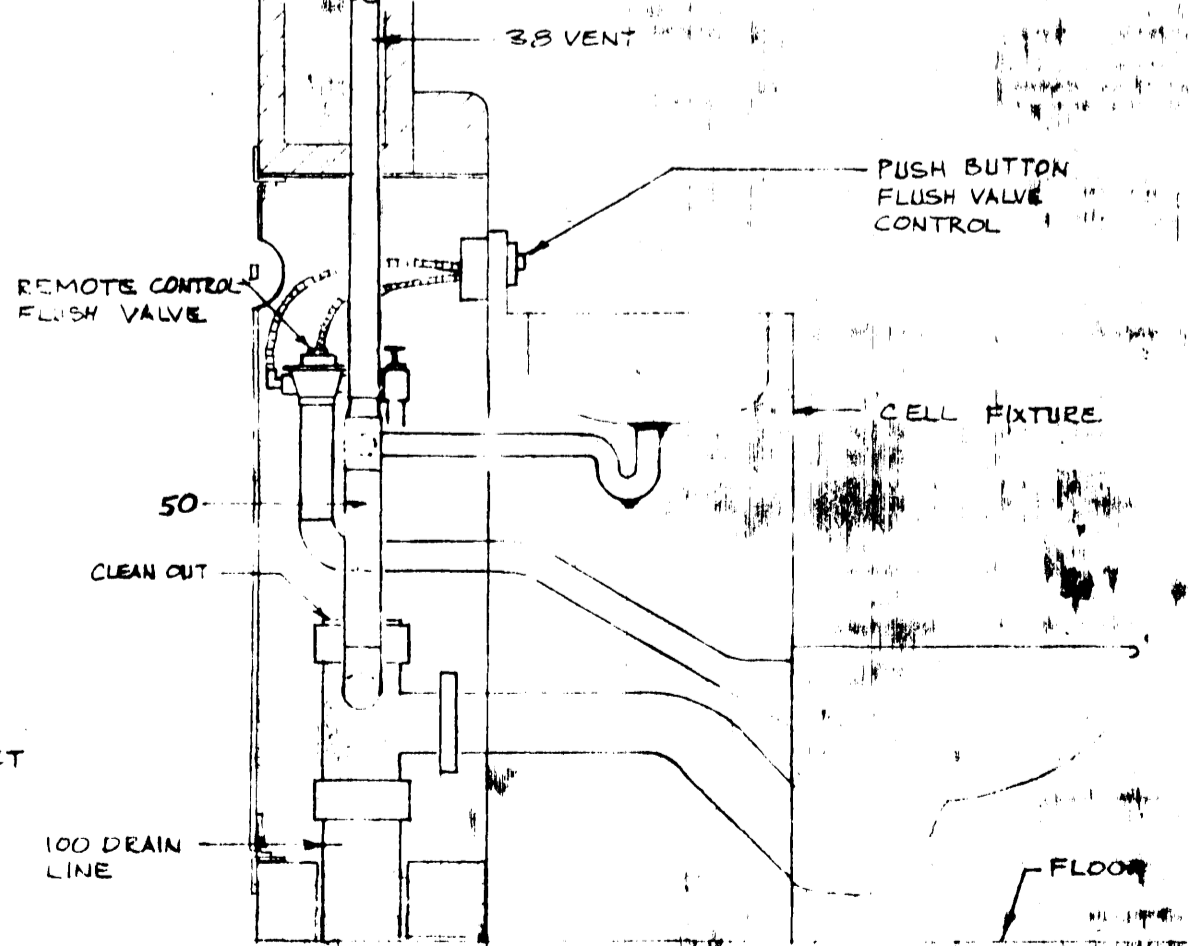
- DOMESTIC COLD WATER
- DOMESTIC HOT WATER
- - - - - SANITARY WASTE BELOW GROUND
- - - - - SANITARY WASTE ABOVE GROUND
- - - - - VENT
- |—|— GATE VALVE
- |—|— GLOBE VALVE
- |—|— STRAINER
- |—|— UNION
- |—|— RELIEF VALVE
- |—|— CLEAN OUT
- |—|— I.C.O.
- |—|— H.B.
- |—|— W.H.
- |—|— Q.V.B.
- |—|— VACUUM BREAKER
- |—|— SUPPLY OR OUTSIDE AIR
- |—|— RETURN OR EXHAUST AIR
- |—|— FLEXIBLE DUCT CONNECTION
- |—|— ACCESS PANEL
- |—|— ACCESS DOOR
- |—|— BALANCING DAMPER
- |—|— FIRE DAMPER
- |—|— ACCoustically INSULATED DUCT
- W.C. WATER CLOSET
- LAV LAVATORY
- WG/LAV COMBINATION CELL FIXTURE
- F.D. FLOOR DRAIN
- ⊙ THERMOSTAT
- ⊙ HUMIDISTAT
- S SINK
- LOS LIGHT OIL SUPPLY
- LOR LIGHT OIL RETURN
- G.L. GAUGE LINE
- SPRINKLER
- S/A SUPPLY AIR
- R/A RETURN AIR
- O/A OUTSIDE AIR
- E/A EXHAUST AIR
- C/A COMBUSTION AIR
- D.G. DOOR GRILLE



CRAWL SPACE PLAN
SCALE 1:50



BACK VIEW CELL FIXTURE
SCALE 1:10



SECTION THROUGH CELL FIXTURE
SCALE 1:10

approved by [Signature] date 81.04.07 Regional Fire Commissioner

AS BUILT 83-0115

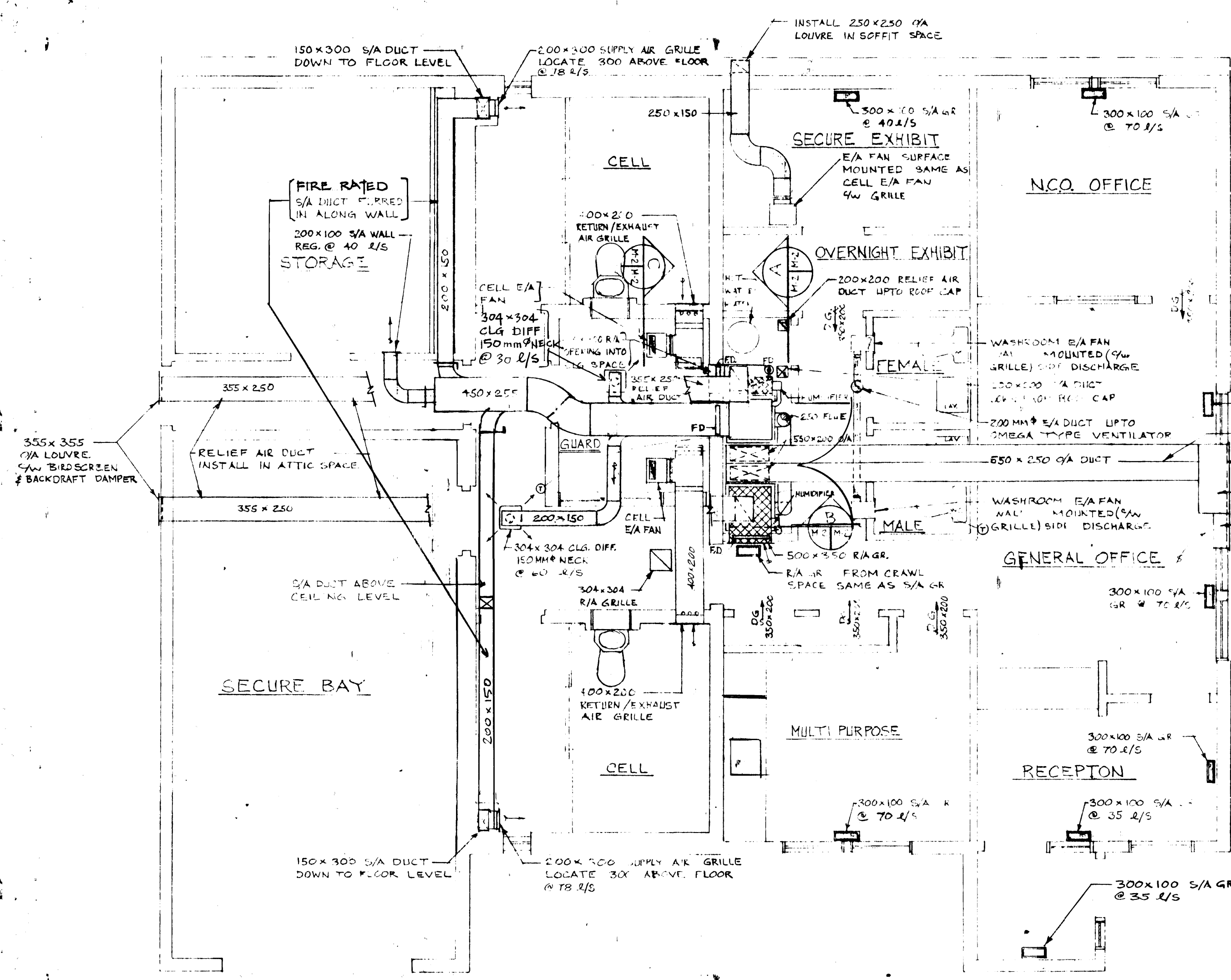
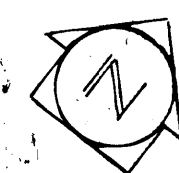
revisions	date												
<table border="1"> <tr> <td>A</td> <td>A detail no. no. du détail</td> </tr> <tr> <td>B</td> <td>B location drawing no. sur dessin no.</td> </tr> <tr> <td>C</td> <td>C drawing no. dessin no.</td> </tr> </table>	A	A detail no. no. du détail	B	B location drawing no. sur dessin no.	C	C drawing no. dessin no.	<table border="1"> <tr> <td>A</td> <td>A detail no. no. du détail</td> </tr> <tr> <td>B</td> <td>B location drawing no. sur dessin no.</td> </tr> <tr> <td>C</td> <td>C drawing no. dessin no.</td> </tr> </table>	A	A detail no. no. du détail	B	B location drawing no. sur dessin no.	C	C drawing no. dessin no.
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B	B location drawing no. sur dessin no.												
C	C drawing no. dessin no.												

project ANAHIM LAKE, B.C. R.C.M.P. MODULAR IN-SITE DETACHMENT

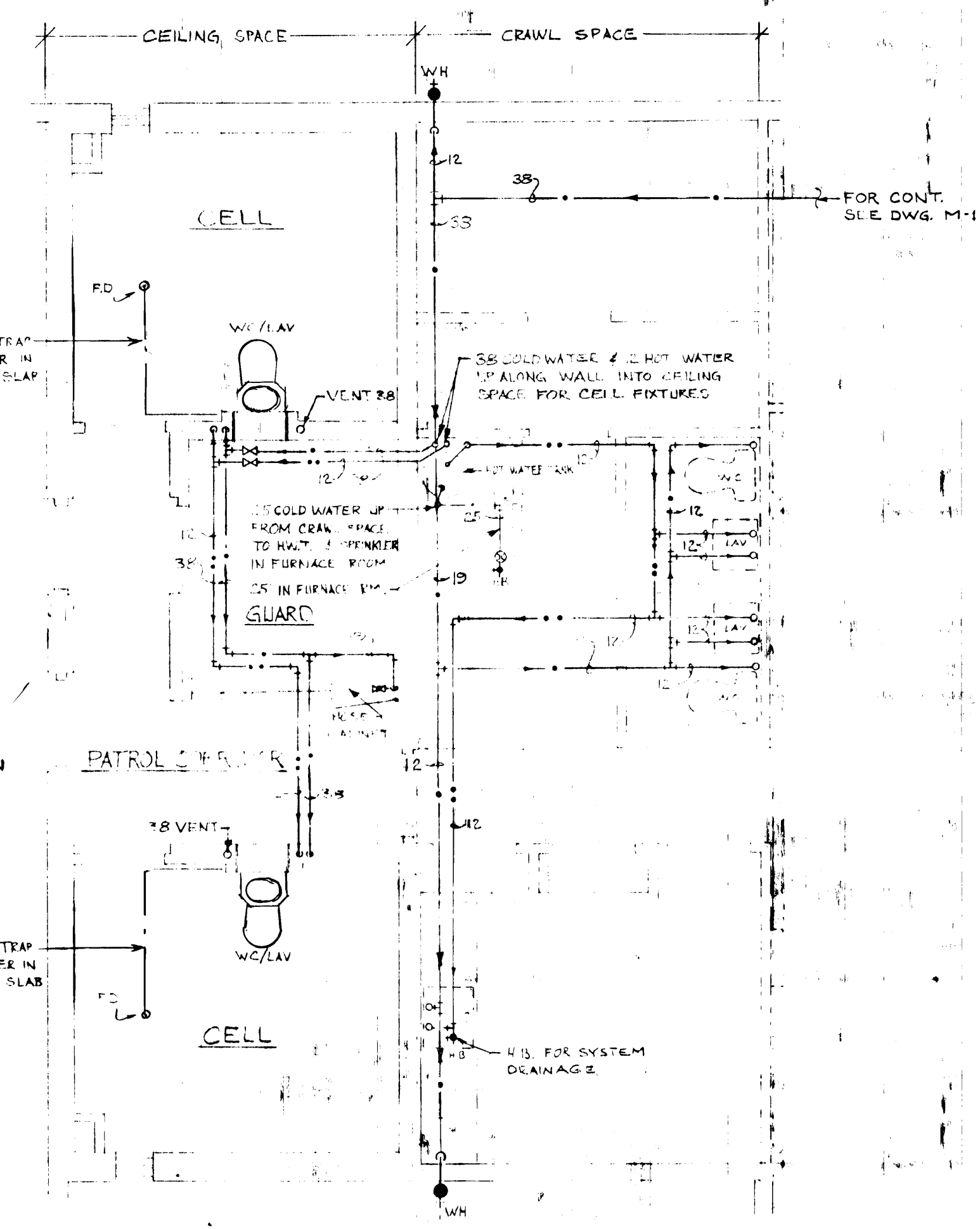
drawing MECHANICAL CRAWL SPACE PLAN



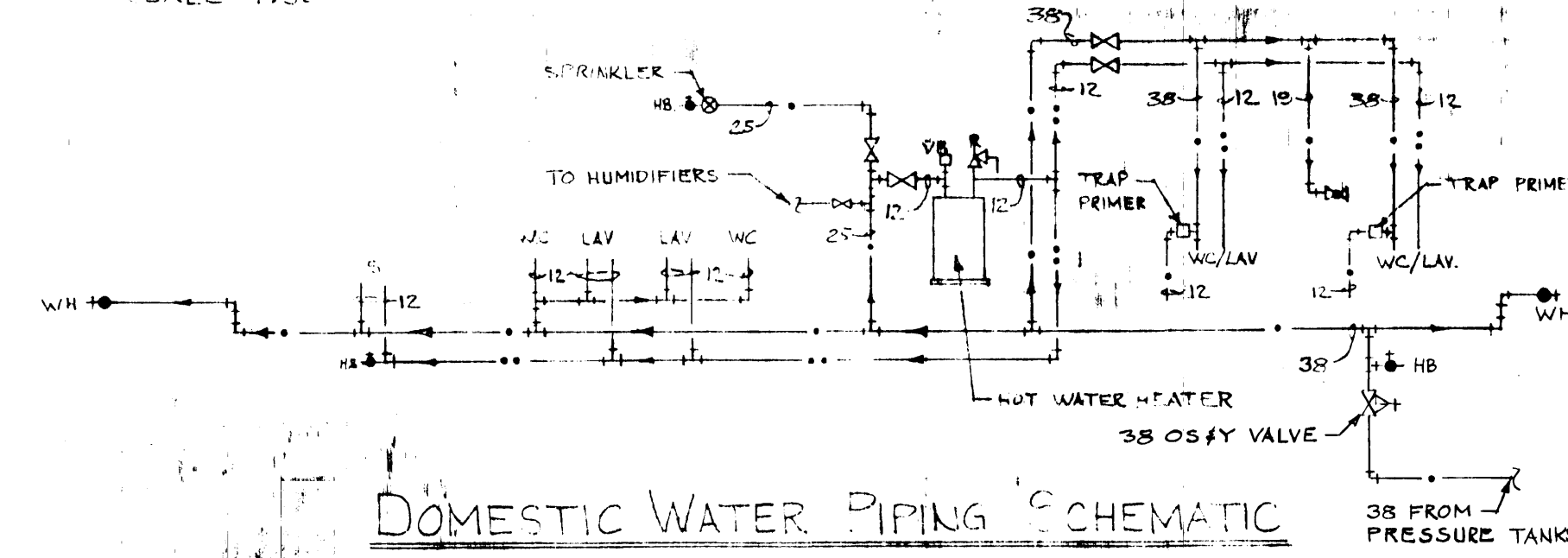
designed L.A. KINGHORN	conçu L.A. KINGHORN	date FEB 1981
drawn L.A. KINGHORN	dessiné L.A. KINGHORN	date FEB 1981
reviewed DHR.	examiné DHR.	date MARCH 1981
approved	approuvé	date
Tender	Submission	
PWC Project Manager	Administrateur de projets TPC	
project number Q11850	no. du projet	
drawing no. M71 of M72	no. du dessin	



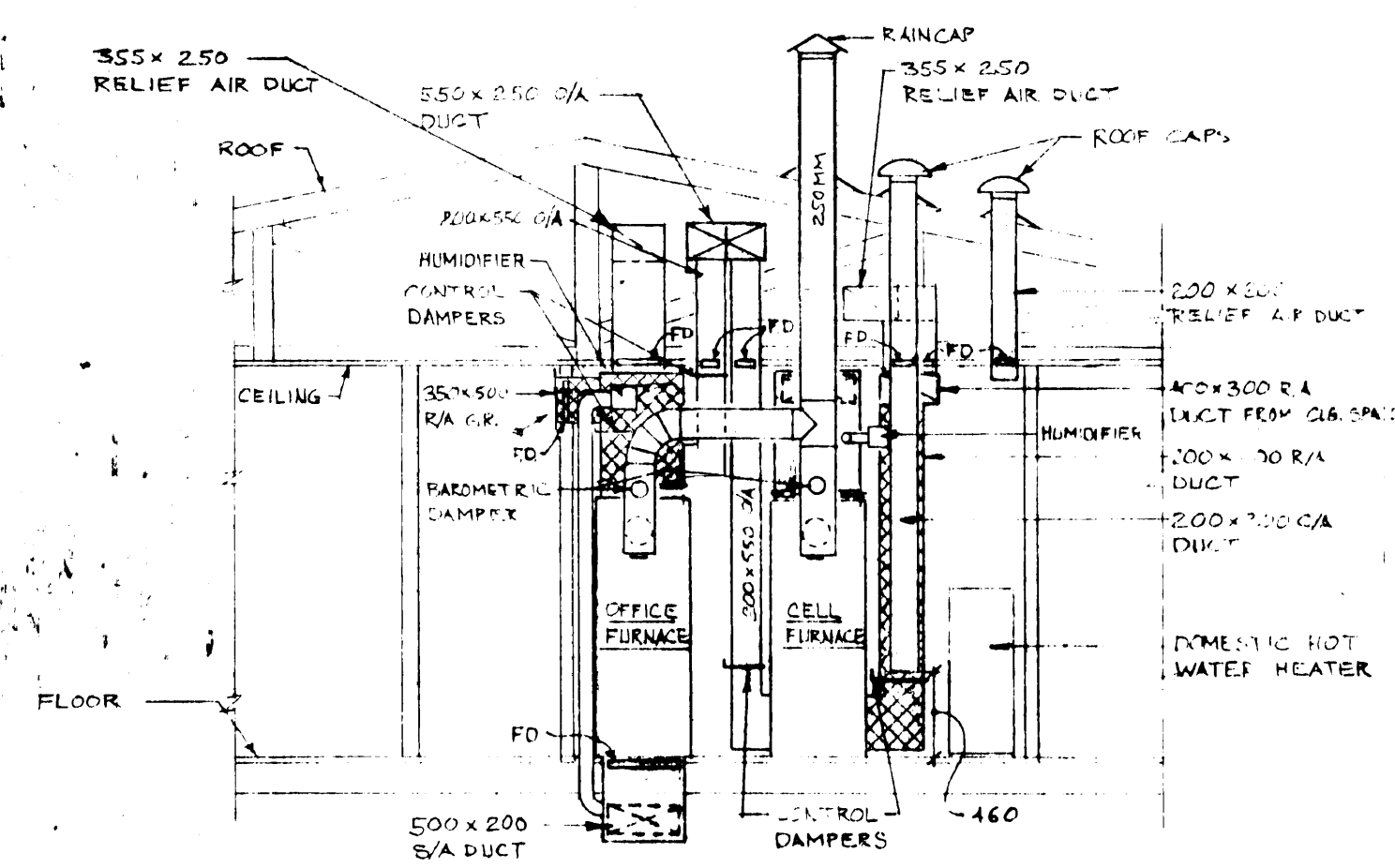
FLOOR PLAN
SCALE 1:50



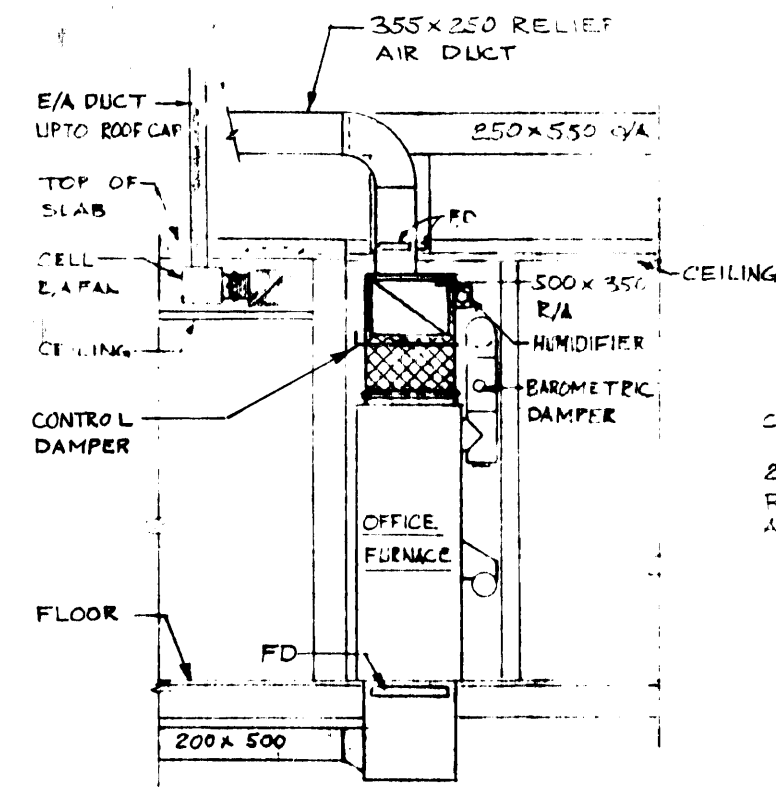
PART PLAN VIEW WATER SUPPLY
SCALE 1:50



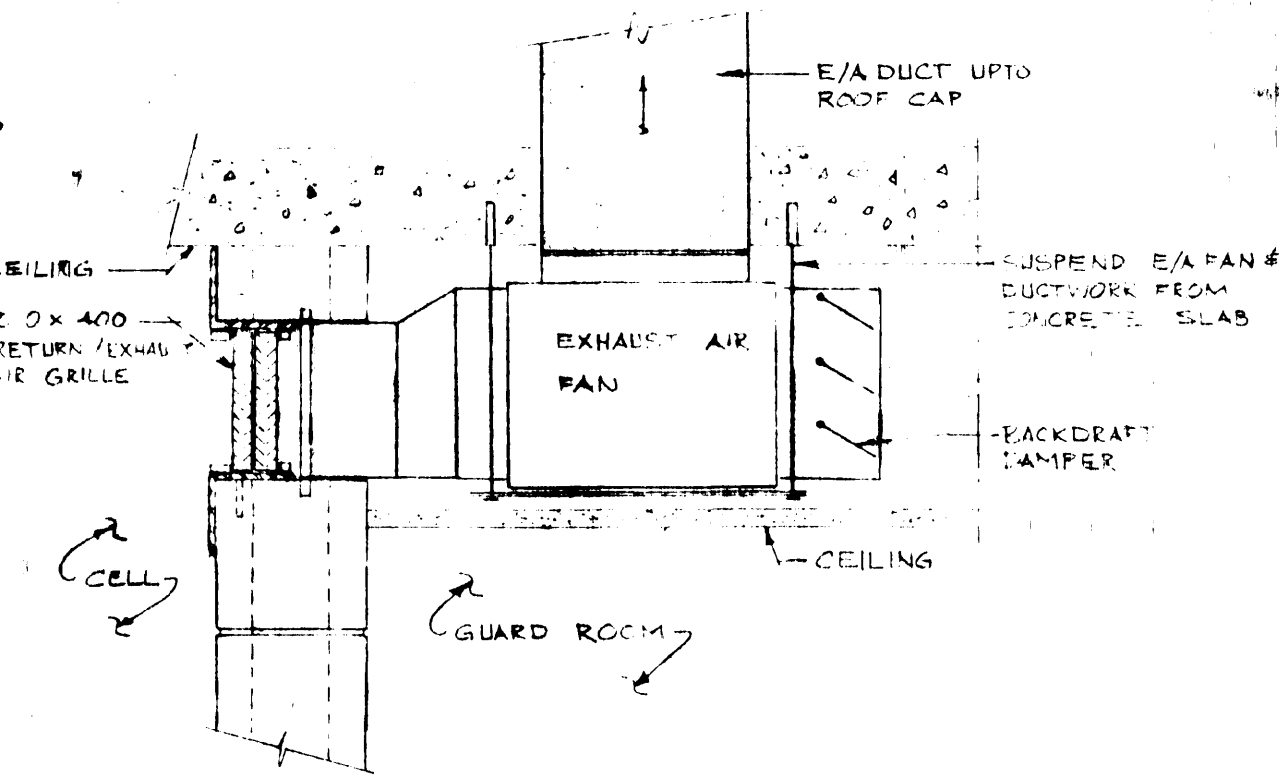
DOMESTIC WATER PIPING SCHEMATIC
SCALE TO SCALE



SECTION A
SCALE 1:50



SECTION B
SCALE 1:50



SECTION C
SCALE 1:50

approved by [Signature]
date 31.04.07 Regional Fire Commissioner

AS BUILT 83-01-15

revisions	date												
<table border="1"> <tr> <td>A</td> <td>A detail no. no. du détail</td> </tr> <tr> <td>B</td> <td>B location drawing no. sur dessin no.</td> </tr> <tr> <td>C</td> <td>C drawing no. dessin no.</td> </tr> </table>	A	A detail no. no. du détail	B	B location drawing no. sur dessin no.	C	C drawing no. dessin no.	<table border="1"> <tr> <td>A</td> <td></td> </tr> <tr> <td>B</td> <td></td> </tr> <tr> <td>C</td> <td></td> </tr> </table>	A		B		C	
A	A detail no. no. du détail												
B	B location drawing no. sur dessin no.												
C	C drawing no. dessin no.												
A													
B													
C													

project ANAHIM LAKE, B.C.
R.C.M.P.
MODULAR IN-SITU DETACHMENT

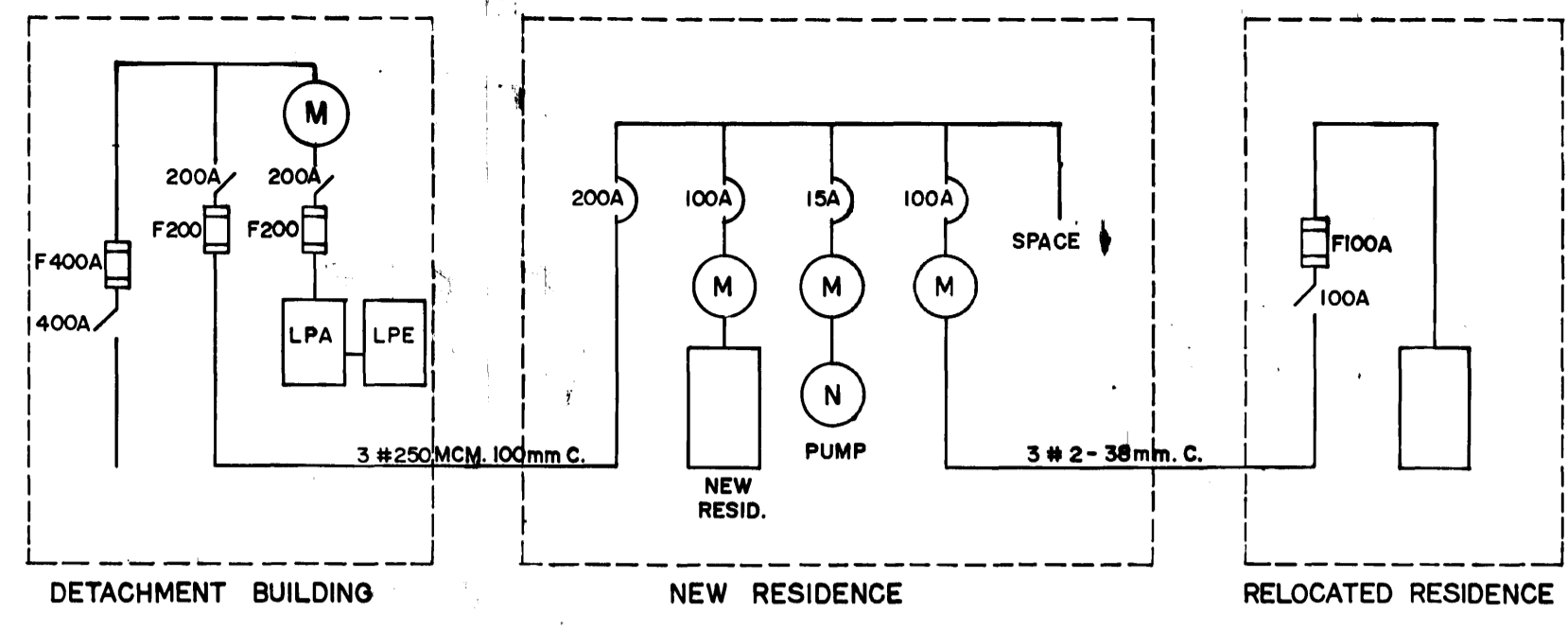
drawing MECHANICAL FLOOR PLAN



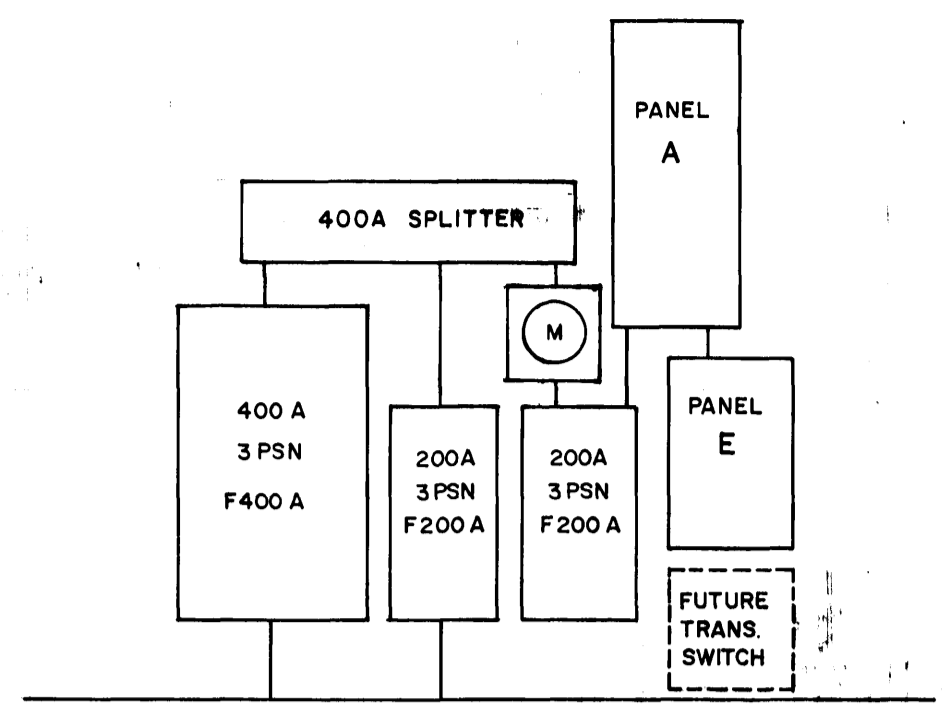
designed L.A. KINGHORN	conçu FEB. 1981
drawn L.A. KINGHORN	dessiné FEB. 1981
reviewed [Signature]	examiné 11/28/81
approved [Signature]	approuvé

Tender Soumission
PWC Project Manager Administrateur de projets TPC
project number 011850
no. du projet

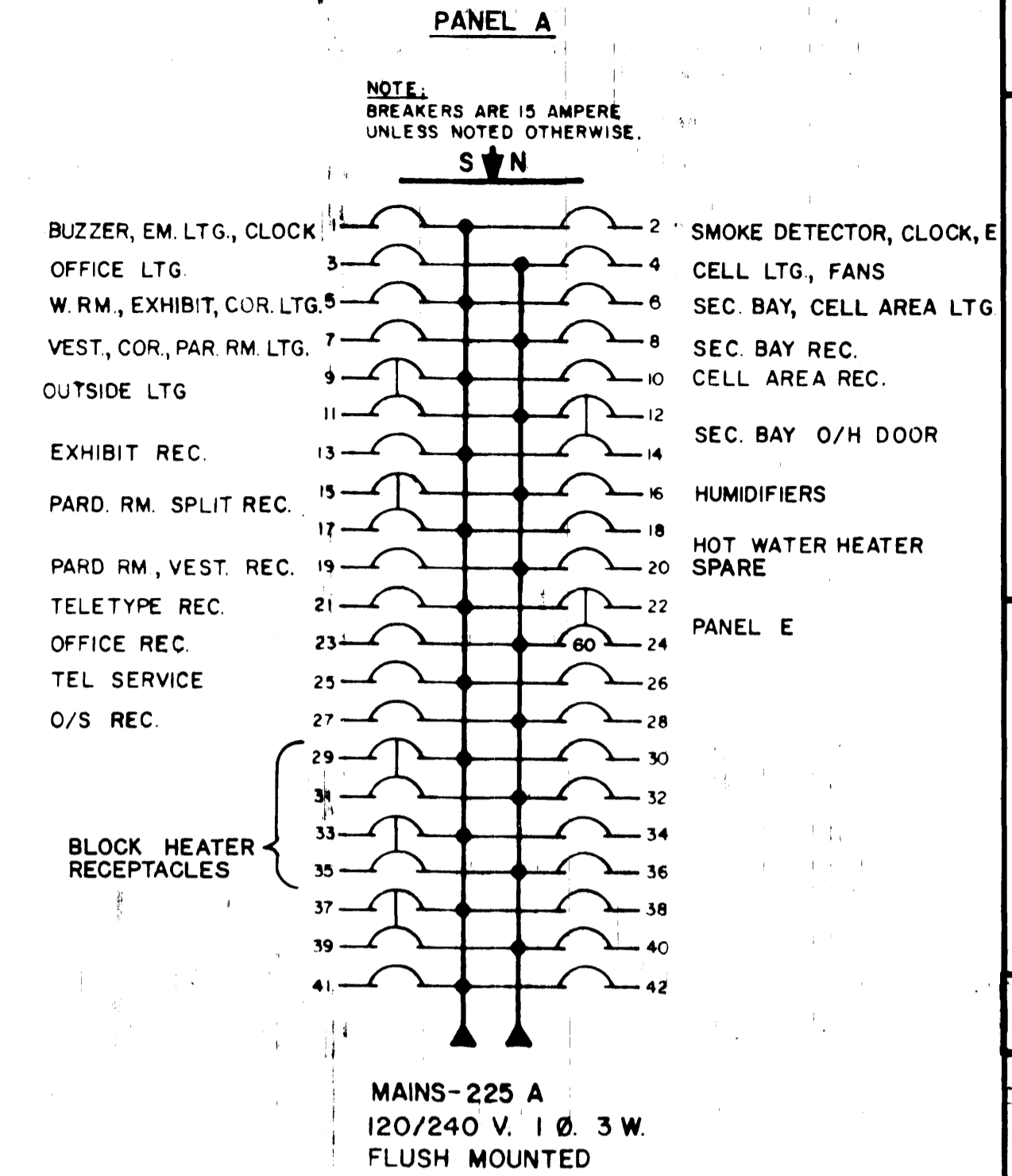
LEGEND	
J	300x1200mm FLUORESCENT LIGHTING FIXTURE, SURFACE MOUNTED. J-DENOTES FIXTURE TYPE, B1-DENOTES LIGHTING PANEL 'B' CIRCUIT #1 SWITCH 'a'
○	INCANDESCENT LIGHTING FIXTURE, CEILING MOUNTED
⊖	H.P.S. LIGHTING FIXTURE, WALL MOUNTED
⊙	H.P.S. SOFFIT LIGHTING FIXTURE
⊕	POLE MOUNTED FLOODLIGHT
⊖	WALL MOUNTED EMERGENCY LIGHTING UNIT c/w 2 HEADS
⊖	REMOTE EMERGENCY LIGHTING FIXTURE
⊖	SINGLE POLE TOGGLE SWITCH
⊖	2 CIRCUIT SWITCH
⊖	3 WAY SWITCH
⊖	MANUAL MOTOR STARTER c/w PILOT LIGHT
⊖	DUPLEX RECEPTACLE
⊖	SPLIT RECEPTACLE
⊖	WEATHER PROOF
⊖	CLOCK OUTLET - 2300mm ABOVE FLOOR FINISH
⊖	RAZOR OUTLET
⊖	TELEPHONE OUTLET
⊖	IONIZATION COMBUSTION DETECTOR, CEILING MOUNTED
⊖	SMOKE ALARM KLAXON HORN
⊖	DOOR CHIME PUSHBUTTON
⊖	DOOR SWITCH
⊖	CELL BLOCK ALARM SYSTEM PUSHBUTTON
⊖	SECURE BAY ALARM / CORRIDOR PUSHBUTTON
⊖	2-DOOR CHIME
⊖	DOOR BUZZER
⊖	SECURE BAY BUZZER / CORRIDOR BELL
⊖	CELL BLOCK ALARM SYSTEM HORN
⊖	CELL BLOCK ALARM RELAY / SILENCING PUSHBUTTON
⊖	THERMOSTAT
⊖	DISCONNECT SWITCH, UNFUSED
⊖	FUSED DISCONNECT SWITCH
⊖	MAGNETIC MOTOR STARTER
⊖	LIGHTING PANELBOARD
⊖	SMOKE ALARM PANEL
⊖	SINGLE PHASE MOTOR, 2-DENOTES MOTOR NUMBER
GFP	GROUND FAULT PROTECTION



MAIN DISTRIBUTION

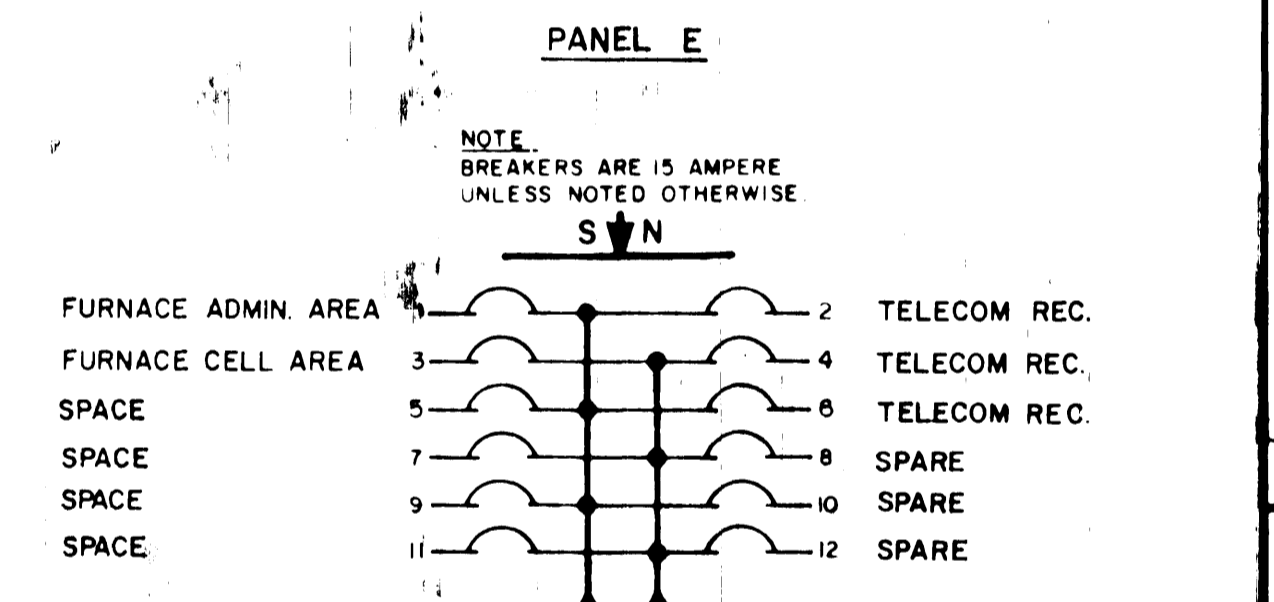


ELECTRICAL ROOM



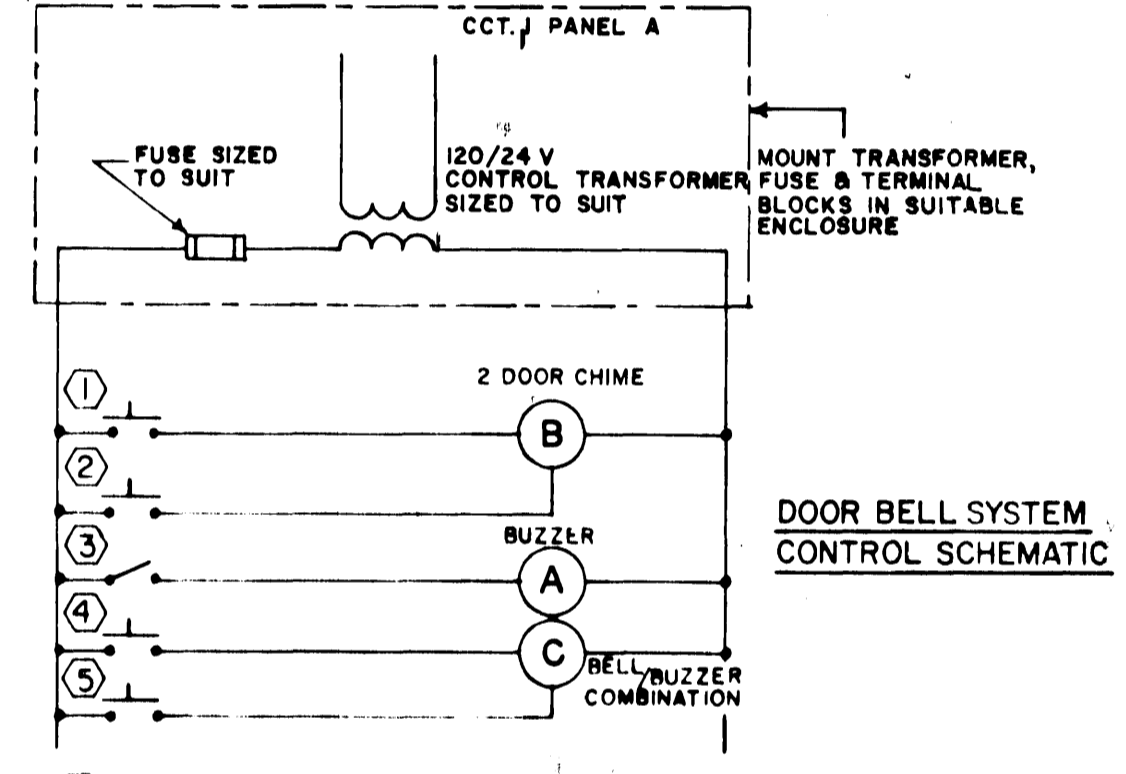
NOTE: BREAKERS ARE 15 AMPERE UNLESS NOTED OTHERWISE.

MAINS-225 A
120/240 V. 1 Ø. 3 W.
FLUSH MOUNTED

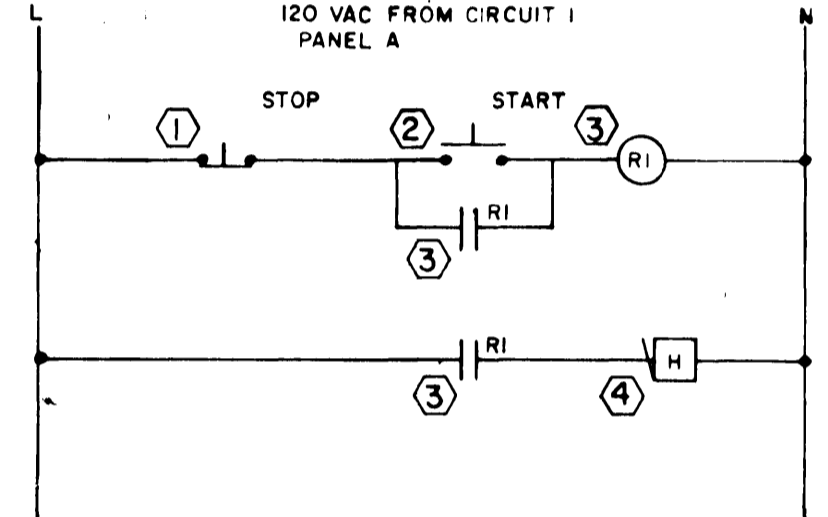


NOTE: BREAKERS ARE 15 AMPERE UNLESS NOTED OTHERWISE.

MAINS-100 A
120/240 V. 1 Ø. 3 W.
SURFACE MOUNTED

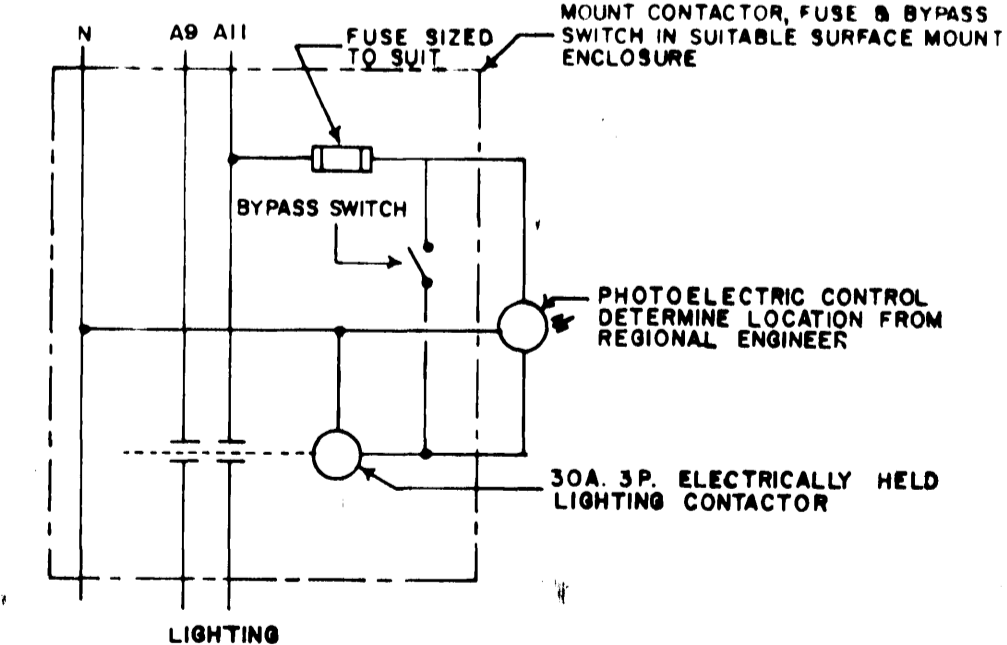


- ① FRONT DOOR PUSHBUTTON
- ② REAR DOOR PUSHBUTTON
- ③ DOOR SWITCH, FRONT DOOR
- ④ SECURE BAY PUSHBUTTON
- ⑤ GUARDROOM ENTRANCE PUSHBUTTON

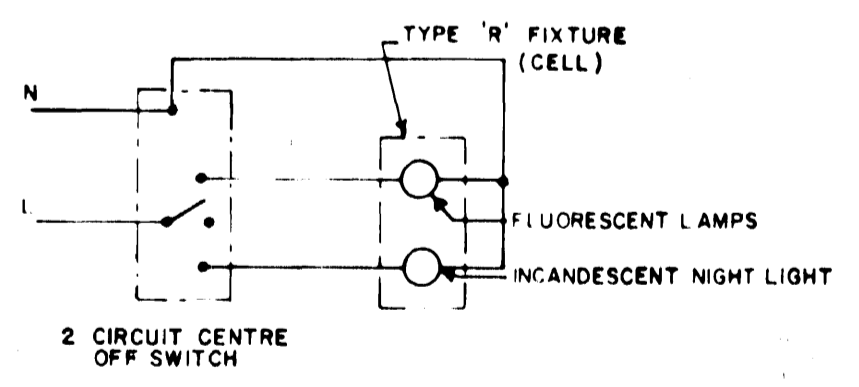


- ① ALARM SILENCING PUSHBUTTON IN CORRIDOR TO CELL AREA
- ② MUSHROOM ALARM PUSHBUTTON IN GUARD ROOM
- ③ RELAY MOUNTED IN SUITABLE FLUSH MOUNTED ENCLOSURE
- ④ HORN MOUNTED IN CORRIDOR TO CELL AREA

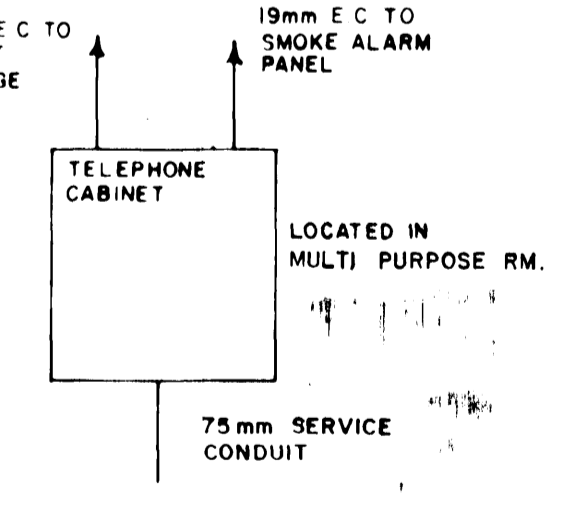
CELL BLOCK ALARM SYSTEM CONTROL SCHEMATIC



SOFFIT LIGHTING CONTROL SCHEMATIC



CELL LIGHT CONTROL DIAGRAM



TELEPHONE CABINET

EQUIPMENT SCHEDULE					
ITEM	DESCRIPTION	KW	V	PHASE	PANEL
1,2	FLL EXHAUST FANS	0.1	120		A-4
3,4	WR EXHAUST FANS	0.1	120		A-5
5	O/H DOOR	1/2 HP	240		A-12, 14
6	EXHIBIT EXHAUST FAN		120		A-5
H.W.	HW HEATER	1500	120		A-18
7	FURNACE NO. 1	0.25	120		E
8	FURNACE NO. 2	0.25	120		E
9	HUMIDIFIER NO. 1	0.1	120		A-16
10	HUMIDIFIER NO. 2	0.1	120		A-16

approved by: [Signature]
date: 8/10/01 Regional Fire Commissioner

AS BUILT 83-01-15

revisions	date						
<table border="1"> <tr> <td>A</td> <td>A detail no. no du détail</td> </tr> <tr> <td>B</td> <td>B location drawing no. sur dessin no.</td> </tr> <tr> <td>C</td> <td>C drawing no. dessin no.</td> </tr> </table>		A	A detail no. no du détail	B	B location drawing no. sur dessin no.	C	C drawing no. dessin no.
A	A detail no. no du détail						
B	B location drawing no. sur dessin no.						
C	C drawing no. dessin no.						

project: ANAHIM LAKE, B.C.
RCMP MODULAR IN-SITU

LEGEND & SCHEDULES

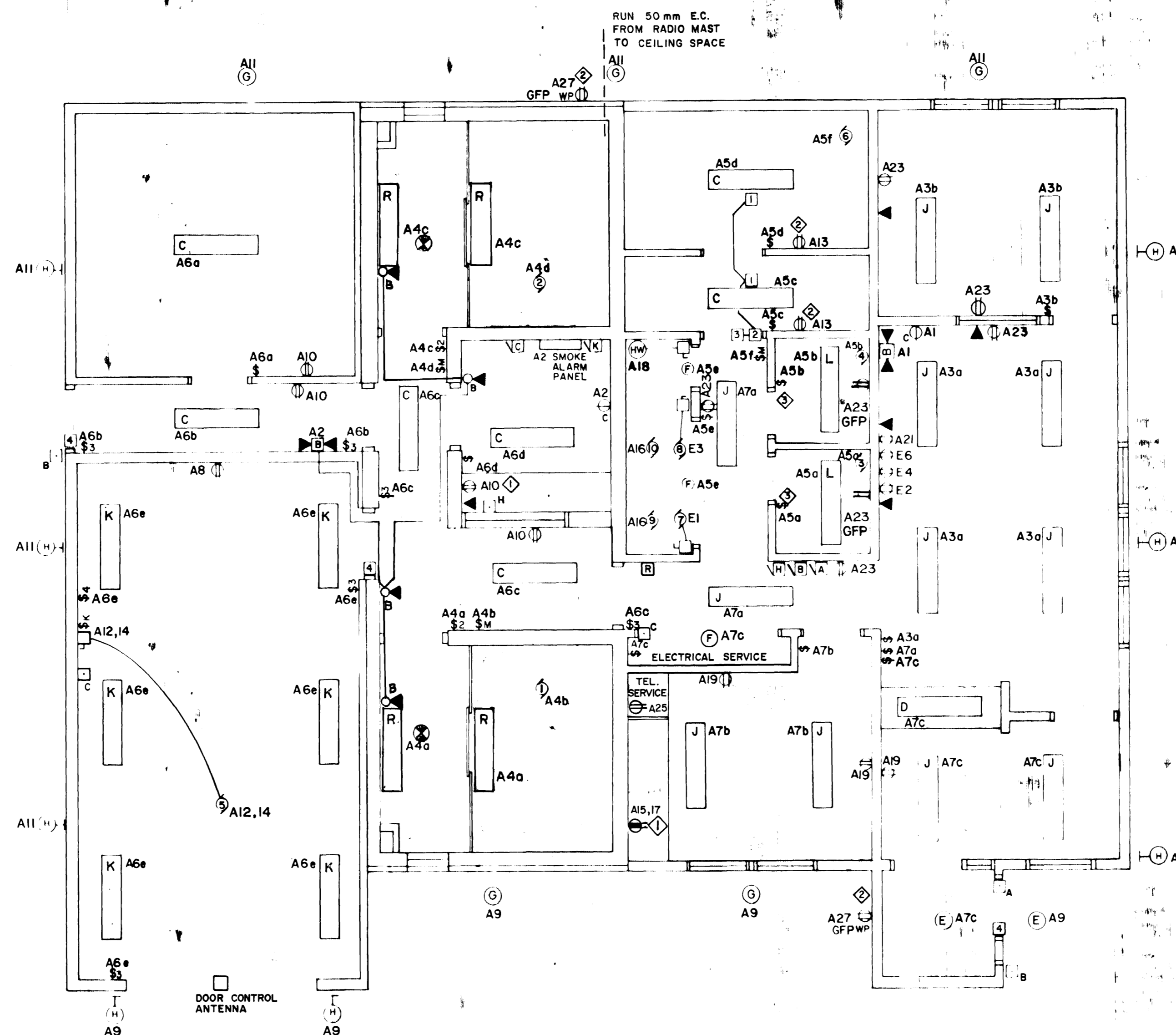


designed: L.P. bonçu
date:
drawn: L.P. dessine
date:
revised: P.M. examine
date: FEB. 10. 81
approved: approuvé
date:

Tender: M. HUNTER Soumission
P.W. Project Manager: Administrateur de projets TPC
project number: no. du projet

011850

drawing no. no. du dessin
E1 of 3



LEGEND

- [1] 100mm x 100mm x 50mm PULL BOX NEAR CENTRE OF CEILING
- [2] 100mm x 100mm x 50mm PULL BOX - 50mm MAX ABOVE LEADING EDGE OF DOOR
- [3] 100mm x 100mm x 50mm PULL BOX - 1500mm ABOVE FLOOR - 50mm MAX BACK FROM LEADING EDGE OF DOOR, RUN 125mm E.C. TO TELEPHONE ROOM
- [4] PULL BOX SIMILAR TO 2 ABOVE WITH 125mm E.C. STURDIED OUT TO CEILING SPACE ON THROUGH TO SECOND FLOOR AND CAPPED

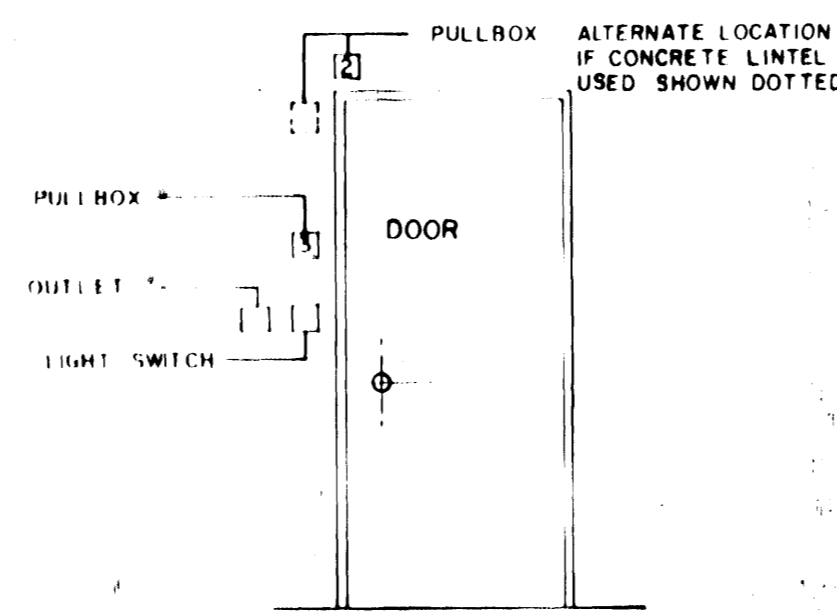


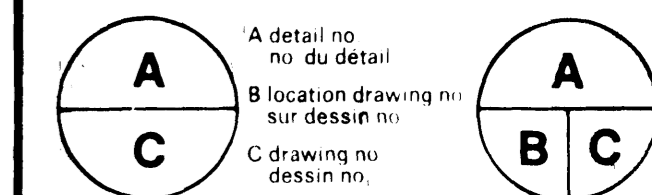
DIAGRAM OF EXHIBIT ROOM DOOR

NOTES:

- 1 MOUNT ABOVE COUNTER OR SPLASHBACK
- 2 MOUNT 1800mm ABOVE FLOOR FINISH
- 3 PROVIDE WR FANS WITH TIME-DELAY ON DE-ENERGIZATION RELAY - ADJUSTABLE 0-2 MIN

approved by _____
date 8/04/07 Regional Fire Commissioner

AS BUILT 83-01-15



project ANAHIM LAKE, B.C.
RCMP MODULAR
IN-SITU

FLOOR PLAN
ELECTRICAL
LAYOUT



designed L.P. copcu
date
drawn L.F. dessiné
date
reviewed P.M. examiner
date FEB. 10. 81
approved approuvé

Tender M. HUNTER soumission

PWC Project Manager Administrateur de projets TPC

project number 011850 no. du projet

drawing no. E2 of 3 no. du dessin