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Government Services  
Canada

Travaux publics et  
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Canada

REAL PROPERTY SERVICES  
Western Region  
SERVICES IMMOBILIERS  
Région de l'ouest

WATERTON LAKES NATIONAL PARK  
ALPINE STABLES RECONSTRUCTION  
  
ALPINE COTTAGE AND BUNKHOUSE

SECTION 25, NE CORNER  
TOWNSHIP ONE, RANGE 30, WEST OF THE 4TH  
  
WATERTON, ALBERTA

DATE: September 12, 2018  
ISSUED FOR CONSTRUCTION



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2	Issued for Construction	2018 09 12
1	99% Construction Documents Submission	2018 08 21
0	66% Construction Documents Submission	2018 07 26
Revision	Description	Date

Client

**PWGC / TPSGC**

ATB Place North Tower  
10025 Jasper Ave, 5th Floor  
Edmonton, Alberta T5J 1S6

Project title

**SECTION 25, NE CORNER, TOWNSHIP ONE,  
RANGE 30, WEST OF THE 4TH  
WATERTON, ALBERTA**

**WLNP ALPINE STABLES RECONSTRUCTION  
ALPINE COTTAGE  
AND BUNKHOUSE**

Designed by  
**MS**

Drawn by  
**HA**

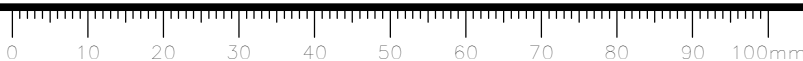
Approved by  
**JR**

PWGC Project Manager  
**MICHAEL LYZANIEWSKI**

Drawing title

**COVER**

Project no.	Drawing no.	Revision no.
<b>R.096286.001</b>	<b>A0.0</b>	<b>2</b>



CONSULTANTS

ARCHITECTURAL

REPUBLIC ARCHITECTURE INC.

385 ST. MARY AVENUE  
WINNIPEG, MANITOBA R3C 0N1

CIVIL

KGS GROUP

SUITE 200-4561 PARLIAMENT AVE  
REGINA, SASKATCHEWAN S4W 0G3

LANDSCAPE

SCATLIFF + MILLER + MURRAY

1120-201 PORTAGE AVE,  
WINNIPEG, MANITOBA R3B 3K6

STRUCTURAL

CROSIER KILGOUR & PARTNERS LTD.

300-275 CARLTON STREET  
WINNIPEG, MANITOBA R3C 5R6

MECHANICAL, ELECTRICAL

SMS ENGINEERING LTD.

770 BRADFORD STREET  
WINNIPEG, MANITOBA R3H 0N3

DRAWING LIST

- A0.0 COVER
- A0.1 LIST OF CONSULTANTS, LIST OF DRAWINGS, CODE REVIEW, GENERAL NOTES

ARCHITECTURAL

- A1.0 SITE PLAN
- A2.1 ALPINE COTTAGE AND BUNKHOUSE NEW CONSTRUCTION FLOOR PLANS
- A3.1 ALPINE COTTAGE AND BUNKHOUSE NEW CONSTRUCTION REFLECTED CEILING PLANS
- A4.1 ALPINE COTTAGE AND BUNKHOUSE EXTERIOR ELEVATIONS
- A5.1 ALPINE COTTAGE AND BUNKHOUSE PLAN DETAILS
- A6.1 ALPINE COTTAGE SECTIONS
- A6.2 ALPINE COTTAGE AND BUNKHOUSE BUNKHOUSE SECTIONS
- A7.1 ALPINE COTTAGE AND BUNKHOUSE SECTION DETAILS
- A8.1 ALPINE COTTAGE INTERIOR ELEVATIONS
- A8.2 BUNKHOUSE INTERIOR ELEVATIONS AND SECTIONS
- A8.3 ALPINE COTTAGE MILLWORK SECTIONS
- A8.4 ALPINE COTTAGE AND BUNKHOUSE FINISHES SCHEDULE AND INTERIOR DOOR ELEVATIONS

STRUCTURAL

- S3.1 SCHEDULES AND ABBREVIATIONS
- S3.2 BUNK HOUSE FRAMING PLANS
- S3.3 ALPINE COTTAGE FRAMING PLANS
- S3.4 ELEVATIONS AND SECTIONS ELEVATIONS

MECHANICAL

- M0 DRAWING LIST AND SYMBOL LEGEND
- M1 ALPINE COTTAGE AND BUNKHOUSE FLOOR PLANS PLUMBING
- M2 ALPINE COTTAGE AND BUNKHOUSE FLOOR PLANS HVAC
- M3 MECHANICAL DETAILS AND SCHEDULES

ELECTRICAL

- E0 DRAWING LIST, SYMBOL LEGEND, MOTOR AND HEATER SCHEDULES
- E1 SITE PLAN AND SINGLE LINE DIAGRAM
- E2 ALPINE COTTAGE AND BUNKHOUSE CRAWLSPACE PLAN - ELECTRICAL AND RISER DIAGRAM
- E3 ALPINE COTTAGE AND BUNKHOUSE FLOOR PLANS - LIGHTING, POWER AND SYSTEMS

CODE REVIEW - NBC 2015

ALPINE COTTAGE

BUILDING AREA: 227 M2 1 STOREY  
BUILDING CLASSIFICATION: RESIDENTIAL - PART 9

BARRIER FREE 3.8.2.1 IS NOT REQUIRED TO BE BARRIER-FREE BECAUSE IT IS A DETACHED HOUSE.

BEDROOM WINDOWS  
9.9.10 MUST BE A MINIMUM OF 0.35 M2 FOR EGRESS WITH NO DIMENSION LESS THAN 380MM.

FIRE RESISTANCE RATINGS:  
9.10.8.1 ROOFS DO NOT REQUIRE A FIRE RESISTANCE RATING. FLOORS (EXCEPT OVER THE CRAWL SPACE) REQUIRE A 45 MINUTE FIRE RESISTANCE RATING.

LIMITING DISTANCE + FIRE DEPARTMENT RESPONSE  
9.10.15.3 A LIMITING DISTANCE EQUAL TO HALF THE ACTUAL LIMITING DISTANCE SHALL BE USED AS INPUT WHERE THE TIME FROM RECEIPT OF NOTIFICATION OF A FIRE BY THE FIRE DEPARTMENT UNTIL THE FIRST FIRE DEPARTMENT VEHICLE ARRIVES AT THE BUILDING EXCEEDS 10 MIN IN 10% OR MORE OF ALL CALLS TO THE BUILDING AND ANY STOREY IN THE BUILDING THAT IS NOT SPRINKLERED.

NORTH FACE IS 2.6 M TO PROPERTY LINE/2 = 1.3 M. THE EXPOSED BUILDING FACE IS 27 M2. 7 % UNPROTECTED OPENINGS ALLOWABLE (1.8 M2).  
EAST FACE IS 25 M TO PROPERTY LINE /2 =12.5 M. THE EXPOSED BUILDING FACE IS 67 M2. 100% UNPROTECTED OPENING IS ALLOWABLE.  
SOUTH FACE IS 2.4 M /2 = 1.2 M. THE EXPOSED BUILDING FACE IS 27 M2. 7% UNPROTECTED OPENING ALLOWABLE (1.8 M2)  
WEST FACE IS 8 M TO PROPERTY LINE /2 = 4 M. THE EXPOSED BUILDING FACE IS 67 M2. 28% UNPROTECTED OPENING IS ALLOWABLE. (18.8 M2)

FIRE ALARM SYSTEM  
9.10.18.2 REQUIRED FOR OCCUPANT LOADS ABOVE 10 RESIDENTIAL SLEEPING ACCOMMODATIONS.

LOCATION OF SMOKE ALARMS  
9.10.19.3 INSTALLED ON EACH STOREY, IN EACH SLEEPING ROOM, IN A LOCATION BETWEEN THE SLEEPING ROOMS AND THE REMAINDER OF THE STOREY, AND IF THE SLEEPING ROOMS ARE SERVED BY A HALLWAY, THE SMOKE ALARM SHALL BE LOCATED IN THE HALLWAY. INSTALLED NEAR CEILING. SHALL BE INSTALLED WITH PERMANENT CONNECTIONS TO AN ELECTRICAL CIRCUIT. ALL SMOKE ALARMS SHALL BE INTERCONNECTED.

FIRE FIGHTING  
9.10.20.3 FIRE FIGHTING ACCESS PROVIDED TO EACH BUILDING BY MEANS OF A STREET, PRIVATE ROADWAY OR YARD.

BUNKHOUSE

BUILDING AREA: 86 M2 1.5 STOREY  
BUILDING CLASSIFICATION: RESIDENTIAL - PART 9

BARRIER FREE 3.8.2.1 IS NOT REQUIRED TO BE BARRIER-FREE BECAUSE IT IS A DETACHED HOUSE.

BEDROOM WINDOWS  
9.9.10 MUST BE A MINIMUM OF 0.35 M2 FOR EGRESS WITH NO DIMENSION LESS THAN 380MM.

FIRE RESISTANCE RATINGS:  
9.10.8.1 ROOFS DO NOT REQUIRE A FIRE RESISTANCE RATING. FLOORS (EXCEPT OVER THE CRAWL SPACE) REQUIRE A 45 MINUTE FIRE RESISTANCE RATING.  
9.10.8.3 ALL LOAD BEARING WALLS, COLUMNS, AND ARCHES SHALL HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN THAT REQUIRED FOR THE SUPPORTED FLOOR OR ROOF ASSEMBLY = 45 MINUTES.

LIMITING DISTANCE + FIRE DEPARTMENT RESPONSE  
9.10.14.  
NORTH FACE IS 2.4 M TO ALPINE COTTAGE/2 = 1.2 M. THE EXPOSED BUILDING FACE IS 19 M2. 7% UNPROTECTED OPENINGS ALLOWED (1.3 M2).  
EAST FACE IS 28 M TO PROPERTY LINE /2 =14 M. THE EXPOSED BUILDING FACE IS 24 M2. 100% UNPROTECTED OPENING IS ALLOWABLE.  
SOUTH FACE IS 4 M LD/2 = 2 M. THE EXPOSED BUILDING FACE IS 19 M2. 12% UNPROTECTED OPENINGS ALLOWED (2.28 M2).  
WEST FACE IS 9 M TO PROPERTY LINE /2 = 4.5 M. THE EXPOSED BUILDING FACE IS 24 M2. 100% UNPROTECTED OPENING IS ALLOWABLE.

LOCATION OF SMOKE ALARMS  
9.10.19.3 INSTALLED ON EACH STOREY, IN EACH SLEEPING ROOM, IN A LOCATION BETWEEN THE SLEEPING ROOMS AND THE REMAINDER OF THE STOREY, AND IF THE SLEEPING ROOMS ARE SERVED BY A HALLWAY, THE SMOKE ALARM SHALL BE LOCATED IN THE HALLWAY. INSTALLED NEAR CEILING. SHALL BE INSTALLED WITH PERMANENT CONNECTIONS TO AN ELECTRICAL CIRCUIT. ALL SMOKE ALARMS SHALL BE INTERCONNECTED.

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9.10.20.3 FIRE FIGHTING ACCESS PROVIDED TO EACH BUILDING BY MEANS OF A STREET, PRIVATE ROADWAY OR YARD.

GENERAL NOTES:

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- SITE CONFIRM EXACT QUANTITIES OF ITEMS TO BE DEMOLISHED PRIOR TO TENDER CLOSE.
- ALL CONSTRUCTION MATERIAL, RECYCLING & WASTE TO BE TAKEN OFF SITE BY CONTRACTOR.
- ALL WORK MUST REMAIN WITHIN THE SITE BOUNDARY TO ENSURE THERE IS NO DISRUPTION OR DAMAGE TO THE BUTTERFLY HABITAT.

ABBREVIATIONS:

ACT	Acoustic Ceiling Tile	FR	Fridge	PTD	Painted
ADO	Automatic Door Opener	FRR	Fire Resistance Rating	QTY	Quantity
AFF	Above Finished Floor	GB	Gypsum Board	RB	Rubber Base
AWP	Acoustic Wall Panels	HPL	High Pressure Laminate	RCP	Reflected Ceiling Plan
BFL	Baffle	HR	Hour	REQS	Requirements
B/W	Between	HWT	Hot Water Tank	RTF	Resilient Tile Floor
CPT	Carpet Tile	MAX	Maximum	RM	Room
CG	Corner Guard	MECH	Mechanical	SHF	Shiplap
CLG	Ceiling	MIN	Minimum	STC	Sound Transmission Class
DW	Dishwasher	MW	Microwave	TB	Tack Board
ELEC	Electrical	NBC	National Building Code	TBD	To Be Determined
EQ	Equal	NIC	Not in Contract	TS	Transition Strip
EX	Existing	NTS	Not to Scale	TV	Television
EXP	Exposed	O/C	On Centre	TYP	Typical
FD	Floor Drain	PLY	Plywood	U/S	Underside
FHC	Fire Hose Cabinet	PT	Pressure Treated	W/	With



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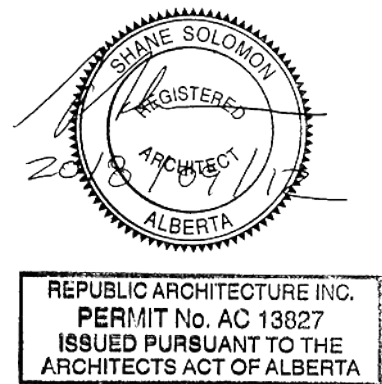


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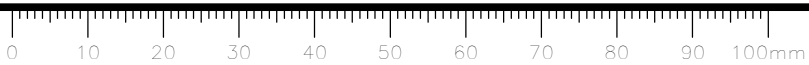
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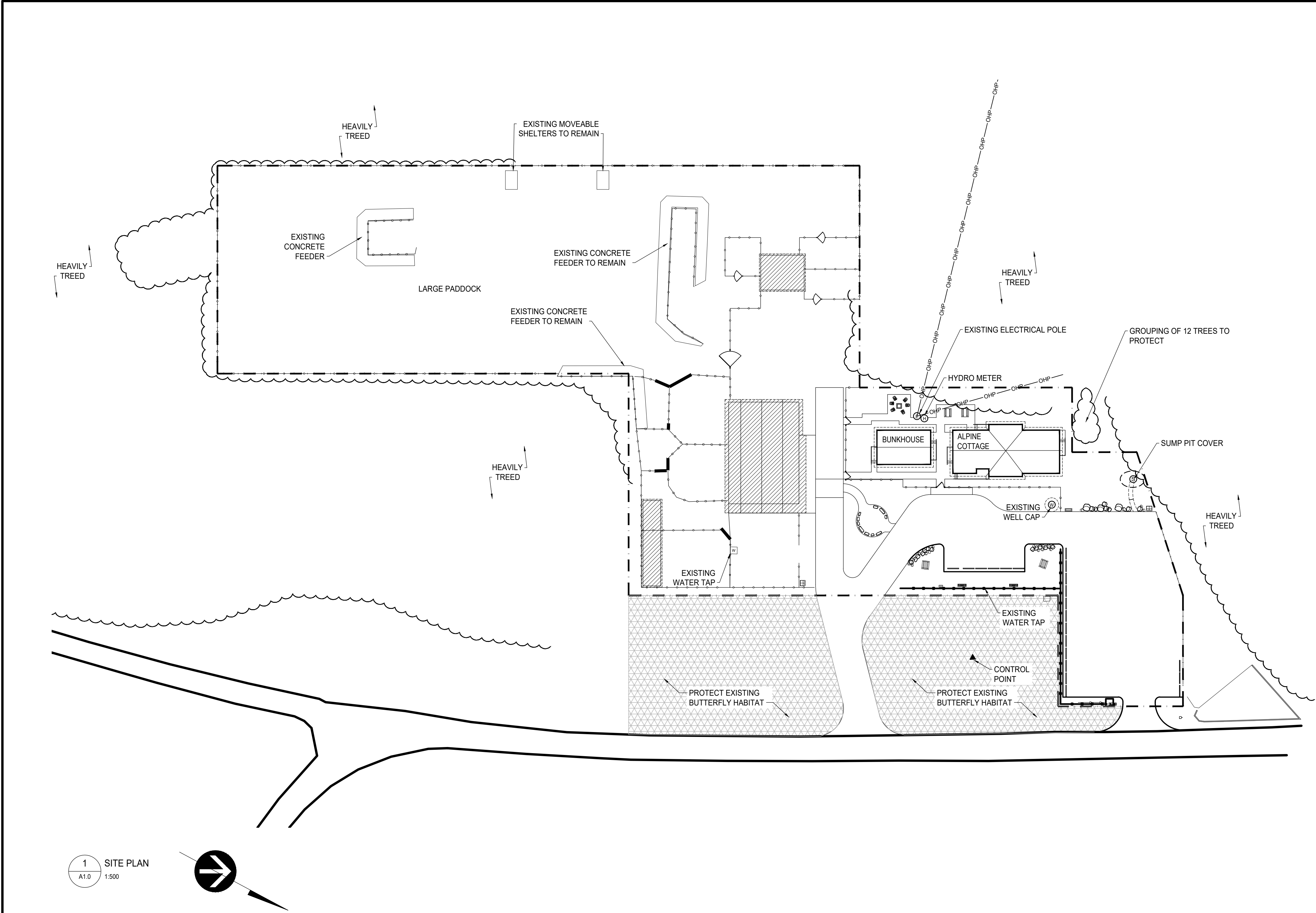
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SECTION 25, NE CORNER, TOWNSHIP ONE, RANGE 30, WEST OF THE 4TH WATERTON, ALBERTA		
WLNP ALPINE STABLES RECONSTRUCTION ALPINE COTTAGE AND BUNKHOUSE		
Designed by MS		
Drawn by HA		
Approved by JR		
PWGSC Project Manager MICHAEL LYZANIWSKI		
Drawing title		
LIST OF CONSULTANTS LIST OF DRAWINGS, CODE REVIEW GENERAL NOTES		
Project no.	Drawing no.	Revision no.
R.096286.001	A0.1	2







1 SITE PLAN  
A1.0 1:500

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ABBREVIATIONS:

ACT	Acoustic Ceiling Tile	FR	Fridge	PTD	Painted
ADO	Automatic Door Opener	FRR	Fire Resistance Rating	QTY	Quantity
AFB	Above Finished Floor	GB	Gypsum Board	RB	Rubber Base
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BFL	Baffle	HR	Hour	REQS	Requirements
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CPT	Carpet Tile	MAX	Maximum	RM	Room
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ELEC	Electrical	NBC	National Building Code	TBD	To Be Determined
EQ	Equal	NIC	Not in Contract	TS	Transition Strip
EX	Existing	NTS	Not to Scale	TV	Television
EXP	Exposed	O/C	On Centre	TYP	Typical
FD	Floor Drain	PLY	Plywood	UIS	Underside
FHC	Fire Hose Cabinet	PT	Pressure Treated	W/	With

SITE GENERAL NOTES:

- SITE DIMENSIONS ARE TO OUTSIDE FACE OF CONCRETE FOUNDATIONS.
- ALL WORK IS TO REMAIN WITHIN THE ALPINE STABLES SITE BOUNDARY / PROPERTY LINE.
- EXISTING BUTTERFLY HABITAT TO BE PROTECTED OVER COURSE OF CONSTRUCTION.

LEGEND:

	BUILDINGS NOT IN CONTRACT
	BUTTERFLY HABITAT - DO NOT DISTURB. PROTECT DURING CONSTRUCTION.
	GATE - NOT IN CONTRACT
	WOOD FENCE - NOT IN CONTRACT
	METAL FENCE - NOT IN CONTRACT
	PROPERTY LINE / SITE BOUNDARY
	CONTROL POINT
	HYDRO METER
	EXISTING ELECTRICAL POWER POLE
	WATER TAP
	SUMP PIT COVER
	WELL
	CONSTRUCTION NORTH
	TRUE NORTH

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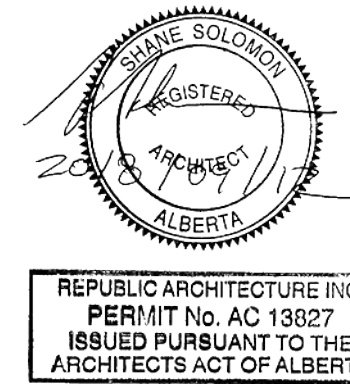
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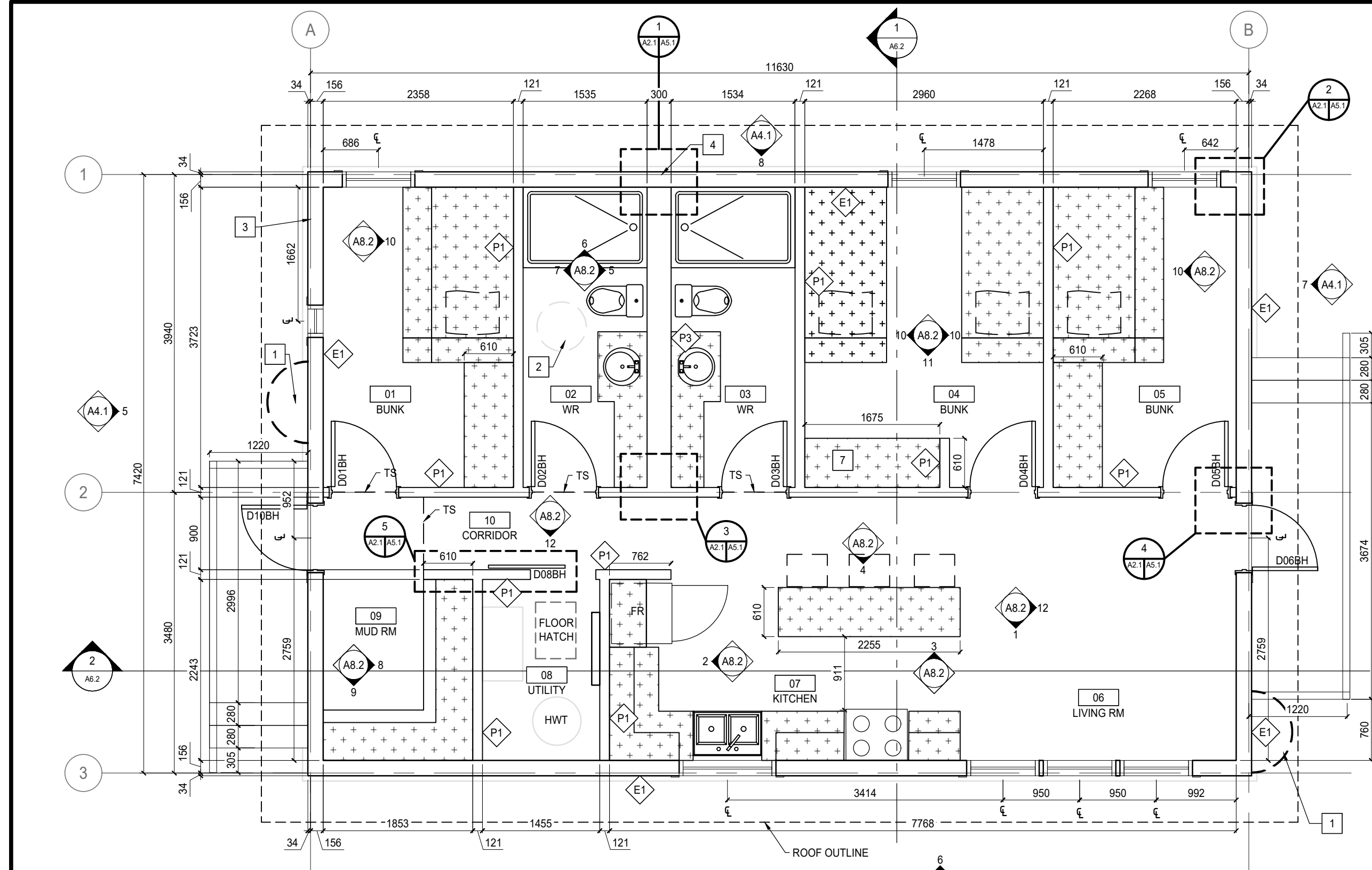
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SITE PLAN		
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- LEGEND:**
- CONSTRUCTION NORTH
  - TRUE NORTH
  - NEW WALL CONSTRUCTION
  - NEW DOOR
  - GRIDLINE
  - MILLWORK
  - INTERIOR ELEVATION MARKER
  - SECTION MARKER  
A - DETAIL NUMBER  
B - SHEET DETAIL IS LOCATED ON
  - NEW WALL TYPE
  - ROOM NAME / NUMBER

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#### ABBREVIATIONS:

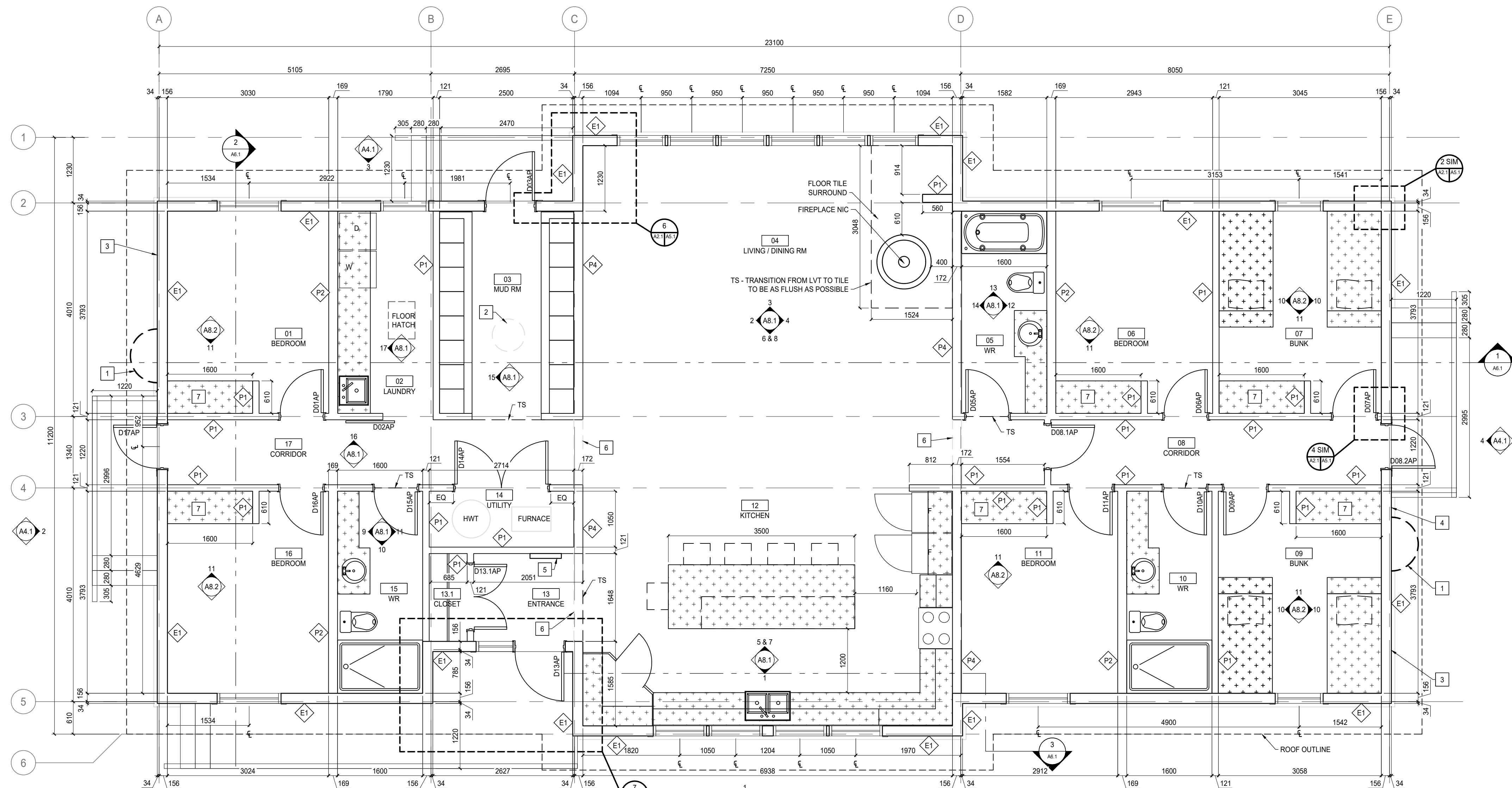
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FHC	Fire Hose Cabinet	PT	Pressure Treated	W/	With


#### FLOOR PLAN KEY NOTES:

- EXISTING CRAWLSPACE VENTILATION WINDOW WELL
- EXISTING SUMP PIT BELOW
- HOSE BIB
- SUMP PIT DISCHARGE
- ANNUNCIATOR PANEL
- DASHED LINE INDICATES STRUCTURAL LINTEL ABOVE OPENING - REFER TO STRUCTURAL
- TYPICAL CLOSET LAYOUT AS PER ELEVATION 18/A8.1

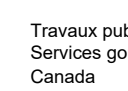
#### RESIDENCE NEW WALL TYPES:

- EXTERIOR WALL - CEMENT SIDING**
  - 8 mm FIBER CEMENT SIDING EXTERIOR WALL FINISH
  - 13 mm P1 PLYWOOD VERTICAL FURRING STRIPS @ 400 mm O/C
  - DRAIN WRAP
  - 13 mm PLYWOOD
  - 38 x 140 mm WOOD STUDS @ 600 mm O/C
  - FILL CAVITY WITH MINERAL WOOL INSULATION (R-22 MIN)
  - POLY VAPOUR BARRIER
  - 16 mm SHIPLAP INTERIOR WALL FINISH
- INTERIOR WALL - PARTITION**
  - 16 mm SHIPLAP
  - 38 x 89 mm WOOD STUDS @ 400 mm O/C
  - 16 mm SHIPLAP
- INTERIOR WALL - PLUMBING WALL**
  - 16 mm SHIPLAP
  - 38 x 140 mm WOOD STUDS @ 400 mm O/C
  - 13 mm CEMENT BACKER BOARD (BATHROOM SIDE)
  - WALL TILE & MORTAR (BATHROOM SIDE)
- INTERIOR WALL - PLUMBING WALL**
  - WALL TILE & MORTAR
  - 13 mm CEMENT BACKER BOARD
  - 38 x 89 mm WOOD STUDS @ 400 mm O/C
  - 96 mm AIRSPACE
  - 38 x 89 mm WOOD STUDS @ 400 mm O/C
  - 13 mm CEMENT BACKER BOARD
  - WALL TILE & MORTAR
- INTERIOR LOAD BEARING WALL**
  - 16 mm SHIPLAP
  - 38 x 140 mm WOOD STUDS @ 400 mm O/C
  - 16 mm SHIPLAP
- ROOF TYPE 1 - CEILING WITH ATTIC**
  - 50mm PRE-FINISHED STANDING SEAM METAL ROOF WITH CONCEALED FASTNERS
  - SELF-ADHERED SYNTHETIC UNDERLAY
  - 13mm PLYWOOD
  - WOOD TRUSSES
  - RSI 8.67 MINERAL WOOL
  - POLY VAPOUR BARRIER
  - 16 mm SHIPLAP
- ROOF TYPE 2 - CATHEDRAL CEILING**
  - 50mm PRE-FINISHED STANDING SEAM METAL ROOF WITH CONCEALED FASTNERS
  - SELF-ADHERED SYNTHETIC UNDERLAY
  - 13mm PLYWOOD
  - WOOD SCISSOR TRUSSES
  - RSI 4.67 MINERAL WOOL
  - POLY VAPOUR BARRIER
  - 16 mm SHIPLAP
- FLOOR TYPE 1**
  - FINISHED FLOOR
  - PLYWOOD DECK
  - FLOOR JOISTS
- FLOOR TYPE 2 - CRAWLSPACE**
  - 100 mm CONCRETE SKIN COAT
  - 100 mm RIGID INSULATION
  - 16 MI VAPOUR BARRIER





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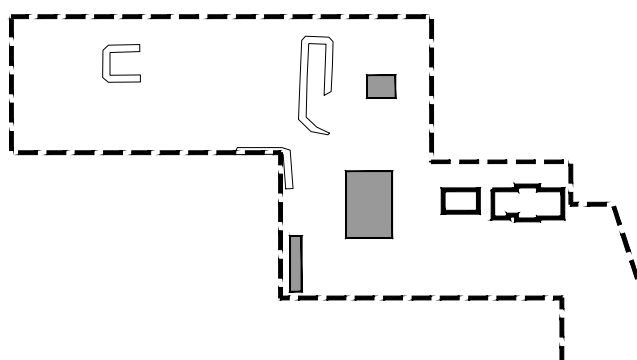



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SERVICES IMMOBILIERS  
Région de l'ouest


385 St. Mary Avenue  
Winnipeg, MB R3C 0N1  
T 204 989 0102  
F 204 989 0094  
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REPUBLIC  
ARCHITECTURE  
INC







KEY PLAN  
SCALE: 1:2500



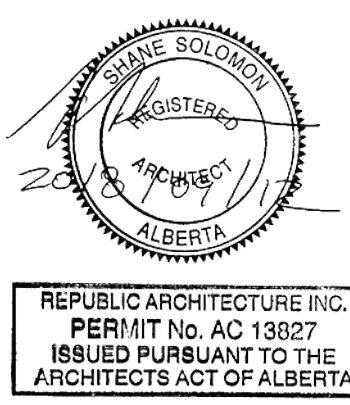
PROPERTY LINE



AREA OF WORK



BUILDINGS NOT  
IN CONTRACT



2	Issued for Construction	2018 09 12
1	99% Construction Documents Submission	2018 08 21
0	66% Construction Documents Submission	2018 07 26

Revision Description Date

PWGC / TPSGC

ATB Place North Tower  
10025 Jasper Ave, 5th Floor  
Edmonton, Alberta T5J 1S6

Project title

SECTION 25, NE CORNER, TOWNSHIP ONE,  
RANGE 30, WEST OF THE 4TH  
WATERTON, ALBERTA

WLNP ALPINE STABLES RECONSTRUCTION  
ALPINE COTTAGE  
AND BUNKHOUSE

Designed by  
MS

Drawn by  
HA

Approved by  
JR

PWGC Project Manager  
MICHAEL L'YZANOWSKI

Drawing title

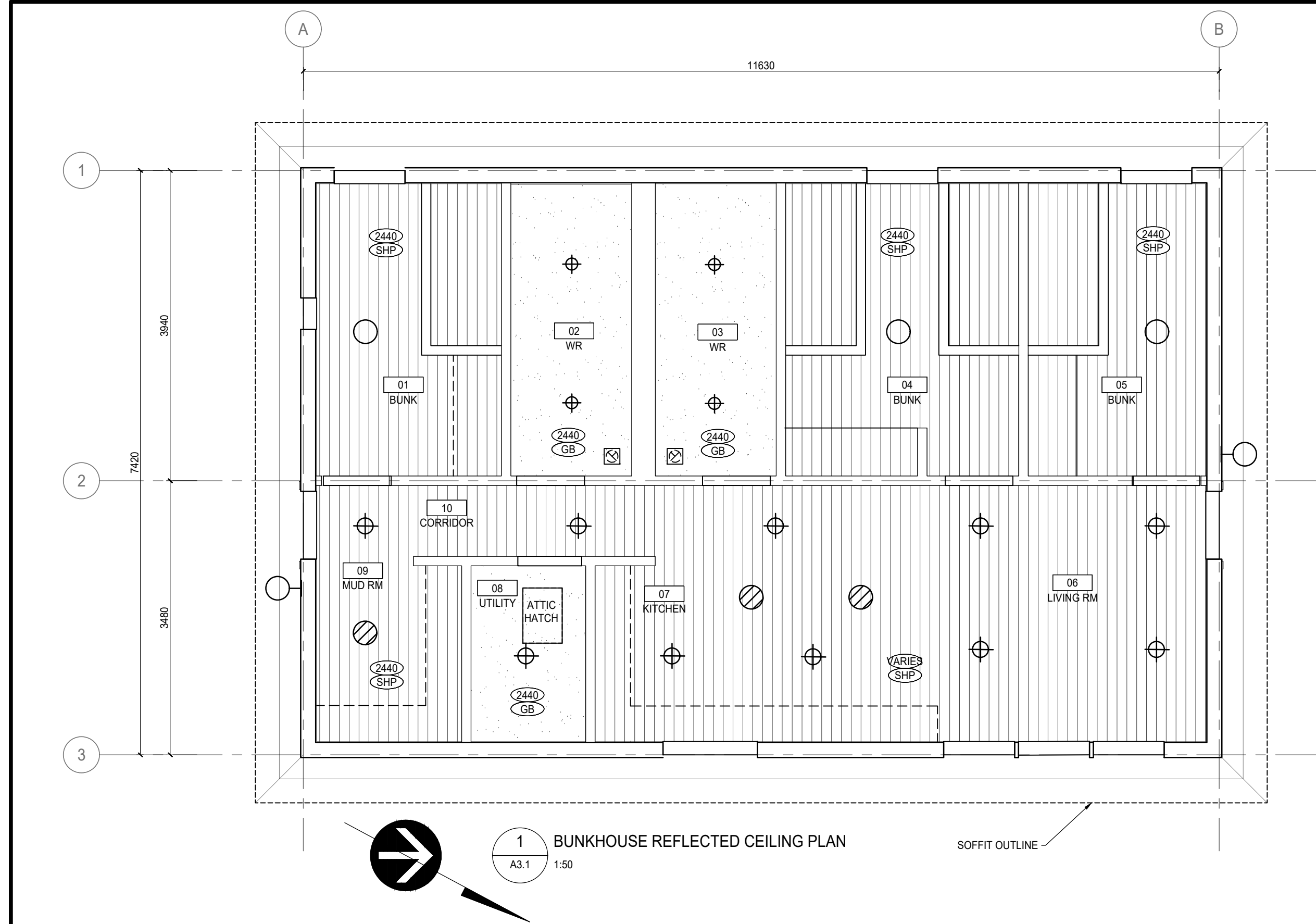
ALPINE COTTAGE AND BUNKHOUSE  
NEW CONSTRUCTION FLOOR PLANS

Project no.  
R.096286.001

Drawing no.  
A2.1

Revision no.  
2





PLAN LEGEND

- NEW DOWNLIGHT
- NEW POTLIGHT
- WALL MOUNTED FIXTURE
- NEW SUSPENDED LIGHT FIXTURE
- MECHANICAL VENT
- NEW GYPSUM CEILING - PAINTED
- NEW SHIP LAP PINE CEILING - PAINTED. BOARDS TO BE RUN IN DIRECTION AS INDICATED. WIDTH OF BOARD REPRESENTATIVE ONLY.
- CEILING HEIGHT, A.F.F. CEILING FINISH
- CEILING FAN
- CONSTRUCTION NORTH
- TRUE NORTH

GENERAL NOTES:

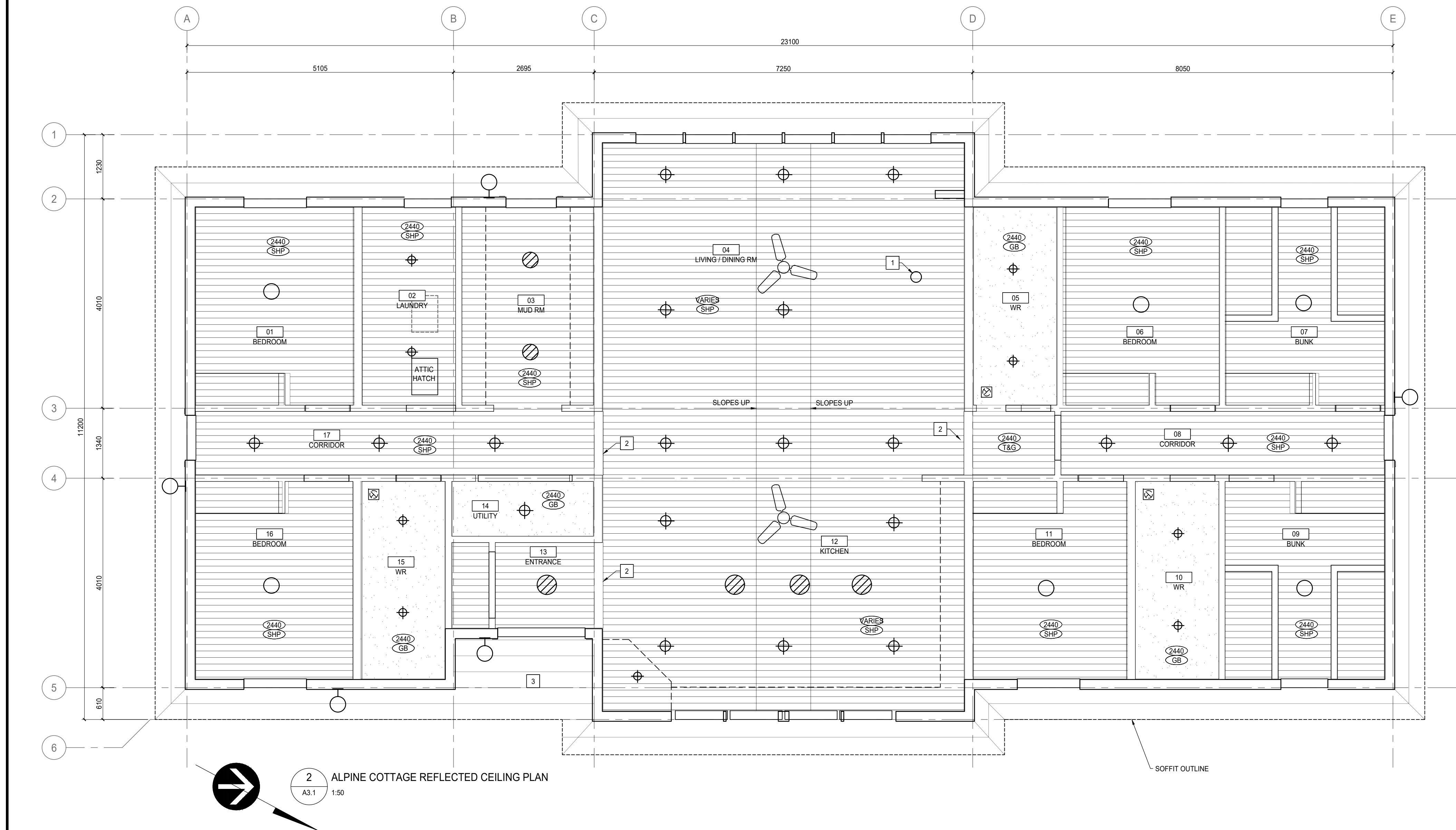
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ABBREVIATIONS:

ACT	Acoustic Ceiling Tile	FR	Fridge	PTD	Painted
ADO	Automatic Door Opener	FRR	Fire Resistance Rating	QTY	Quantity
AFF	Above Finished Floor	GB	Gypsum Board	RB	Rubber Base
AWP	Acoustic Wall Panels	HPL	High Pressure Laminate	RCP	Reflected Ceiling Plan
BFL	Baffle	HR	Hour	REQS	Requirements
B/W	Between	HWT	Hot Water Tank	RTF	Resilient Tile Floor
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FD	Floor Drain	PLY	Plywood	UIS	Underside
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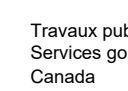
KEY NOTES:

- WOOD STOVE STOVEPIPE
- STRUCTURAL BEAM (SEE STRUCTURAL)
- FIBRE CEMENT SOFT. FACTORY FINISH COLOUR SIMILAR TO JAMES HARDIE COBBLESTONE.





Public Works and Government Services Canada



Travaux publics et Services gouvernementaux Canada

REAL PROPERTY SERVICES

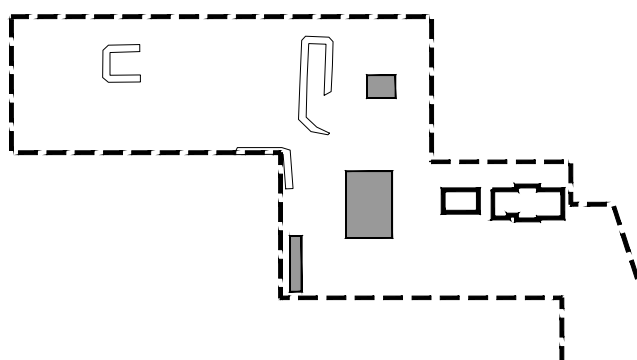
Western Region

SERVICES IMMOBILIERS




Région de l'ouest


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KEY PLAN  
SCALE: 1:2500

 PROPERTY LINE  
 AREA OF WORK  
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PERMIT No. AC 13827  
ISSUED PURSUANT TO THE ARCHITECTS ACT OF ALBERTA

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1	99% Construction Documents Submission	2018 08 21
0	66% Construction Documents Submission	2018 07 26

Client

PWGSC / TPSGC

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10025 Jasper Ave, 5th Floor  
Edmonton, Alberta T5J 1S6

Project title

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ALPINE COTTAGE  
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JR

PWGSC Project Manager

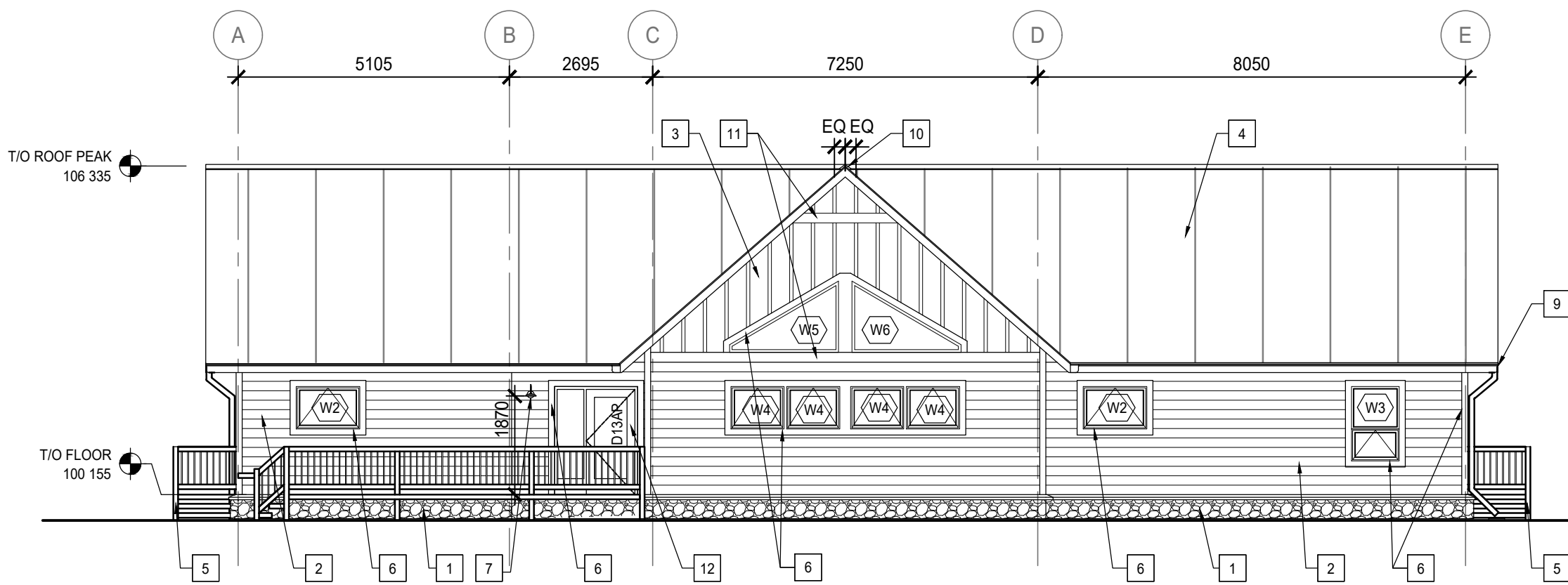
MICHAEL LYZANOWSKI

Drawing title

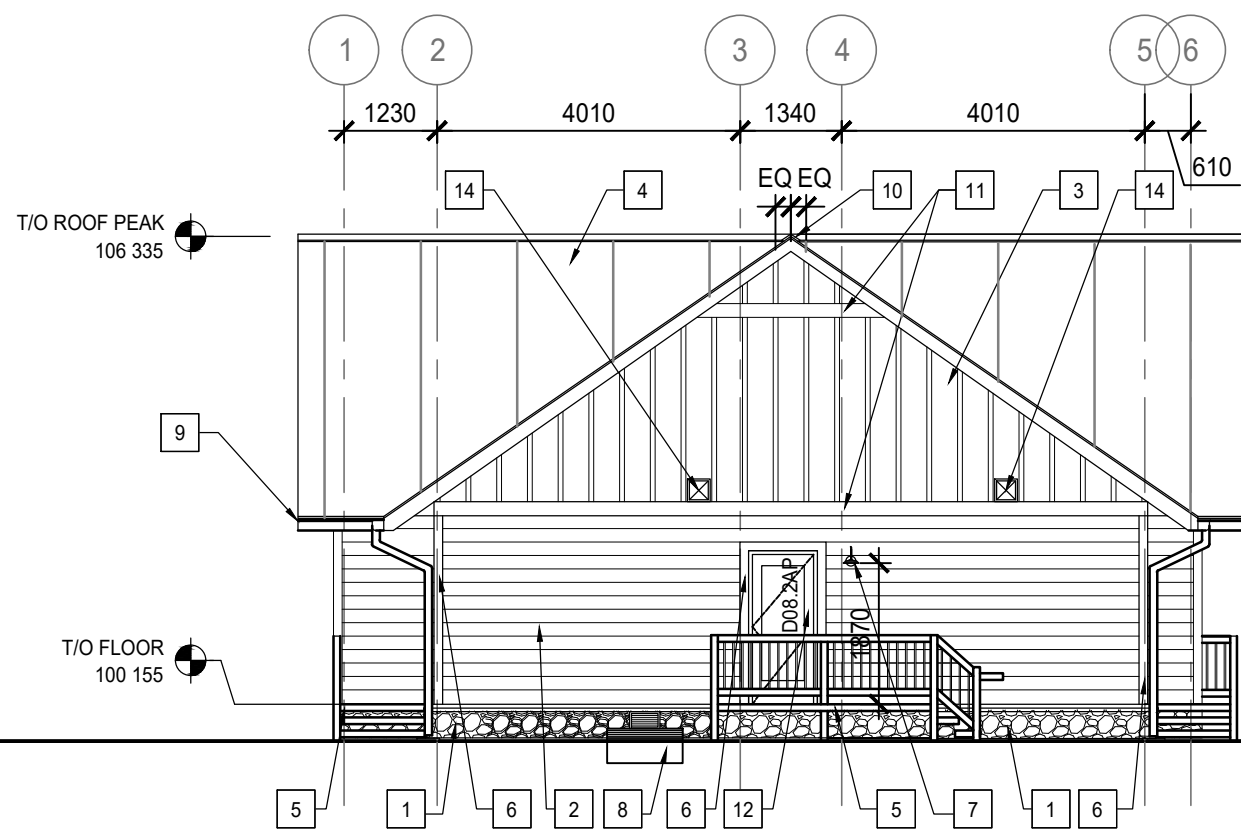
ALPINE COTTAGE AND BUNKHOUSE  
REFLECTED CEILING PLANS

Project no.	Drawing no.	Revision no.
R.096286.001	A3.1	2

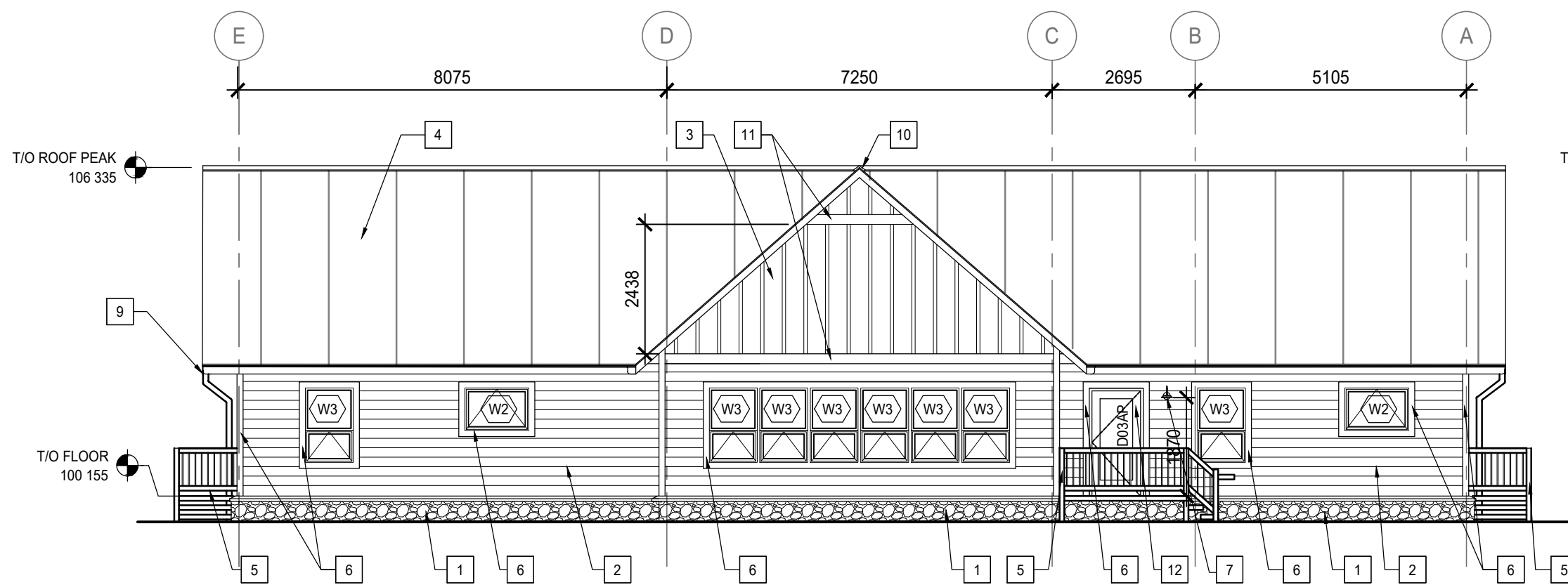




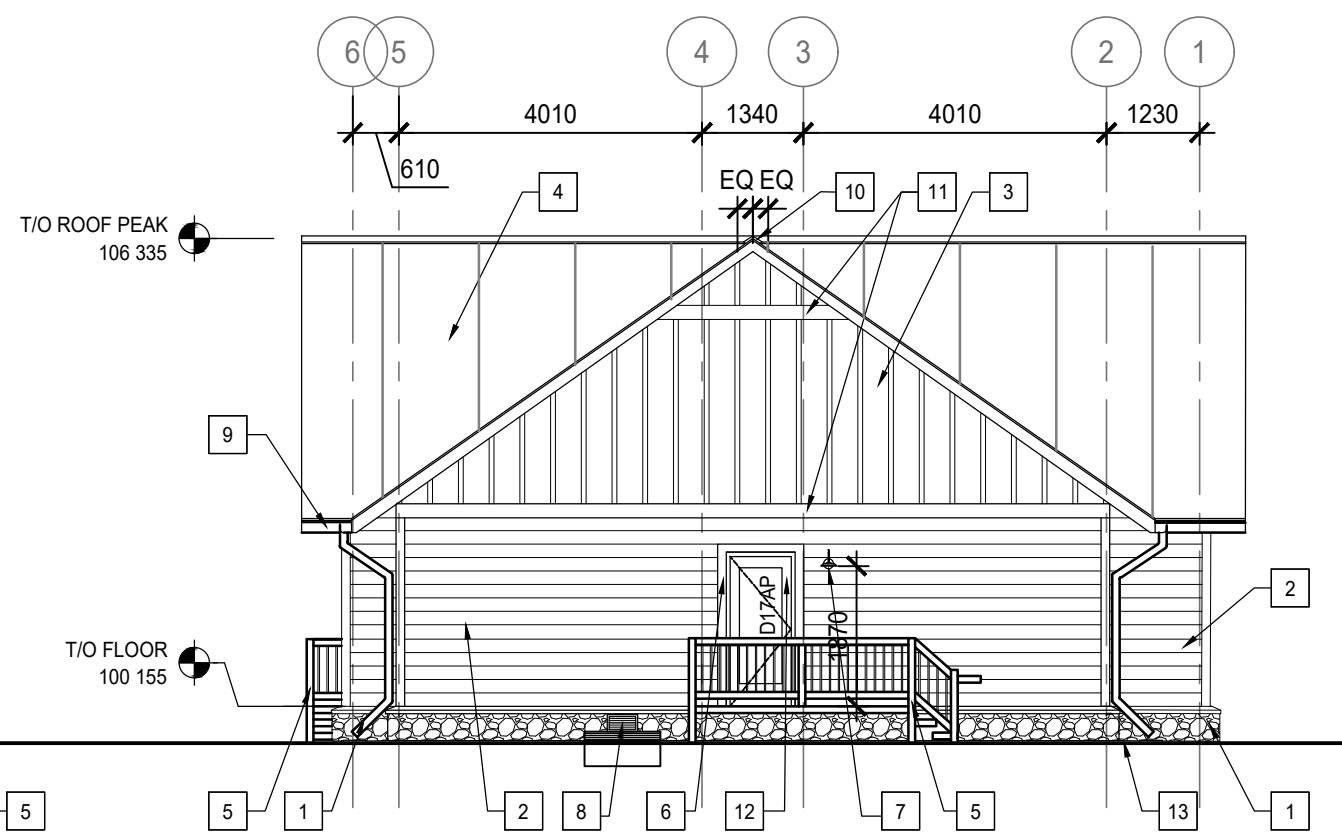
1 ALPINE COTTAGE - EAST ELEVATION  
A4.1 1:100



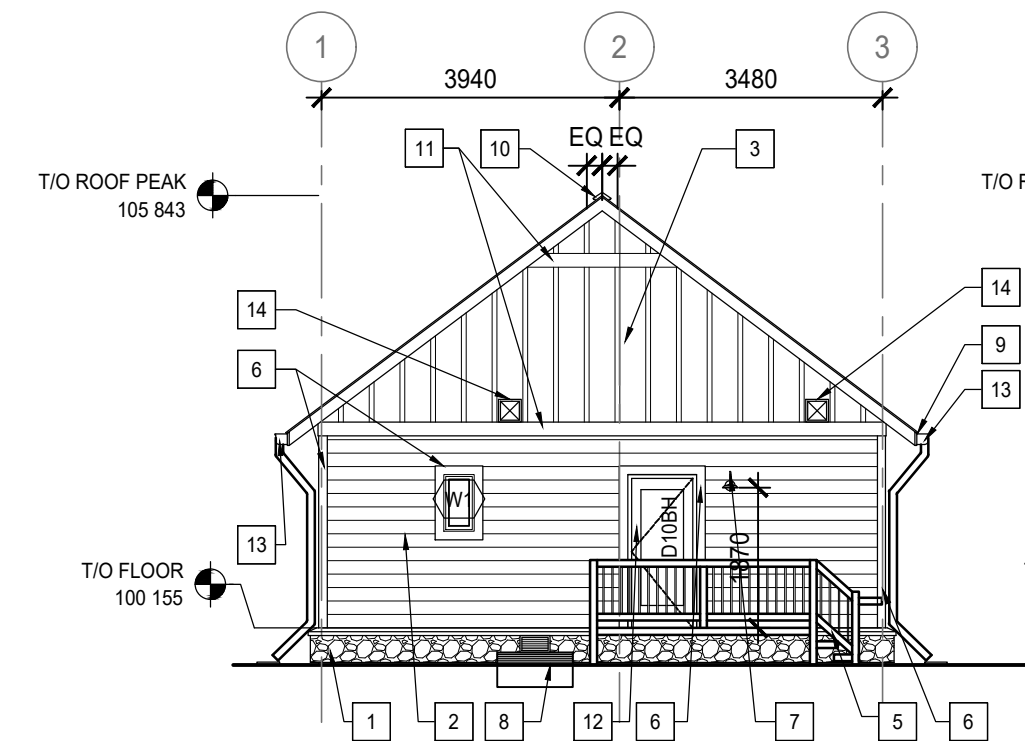
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A4.1 1:100



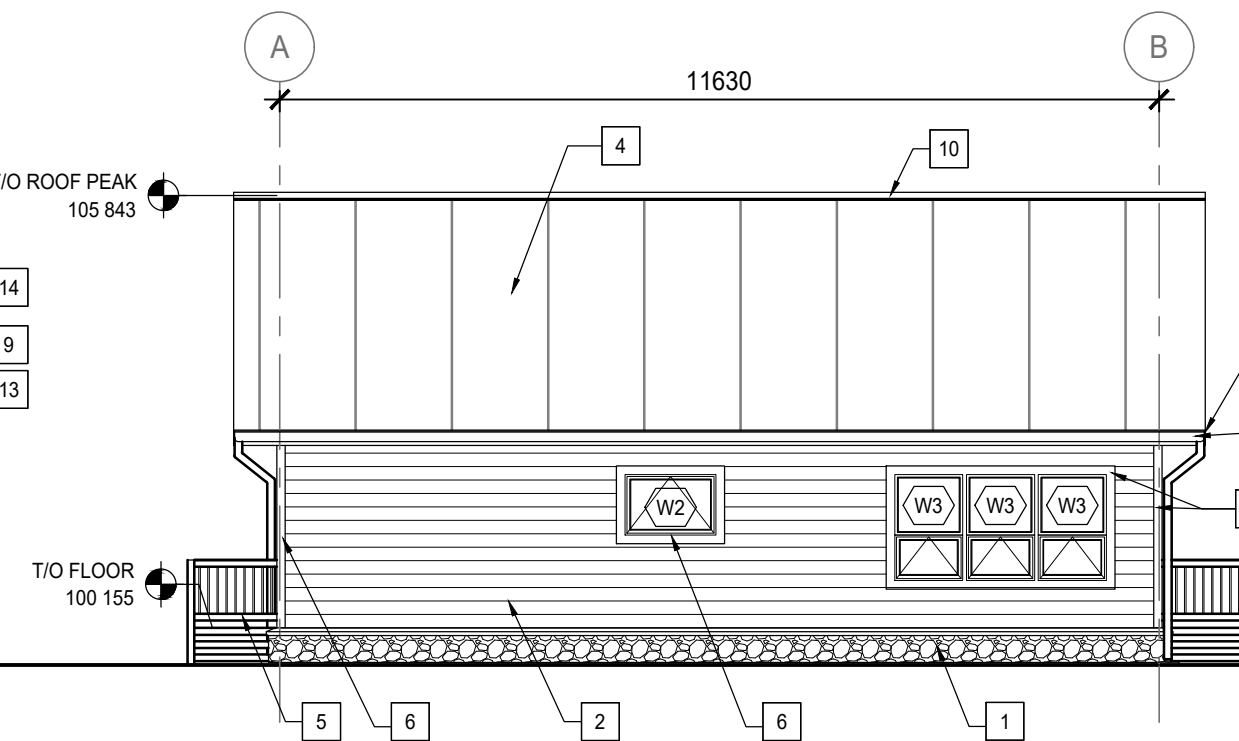
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A4.1 1:100



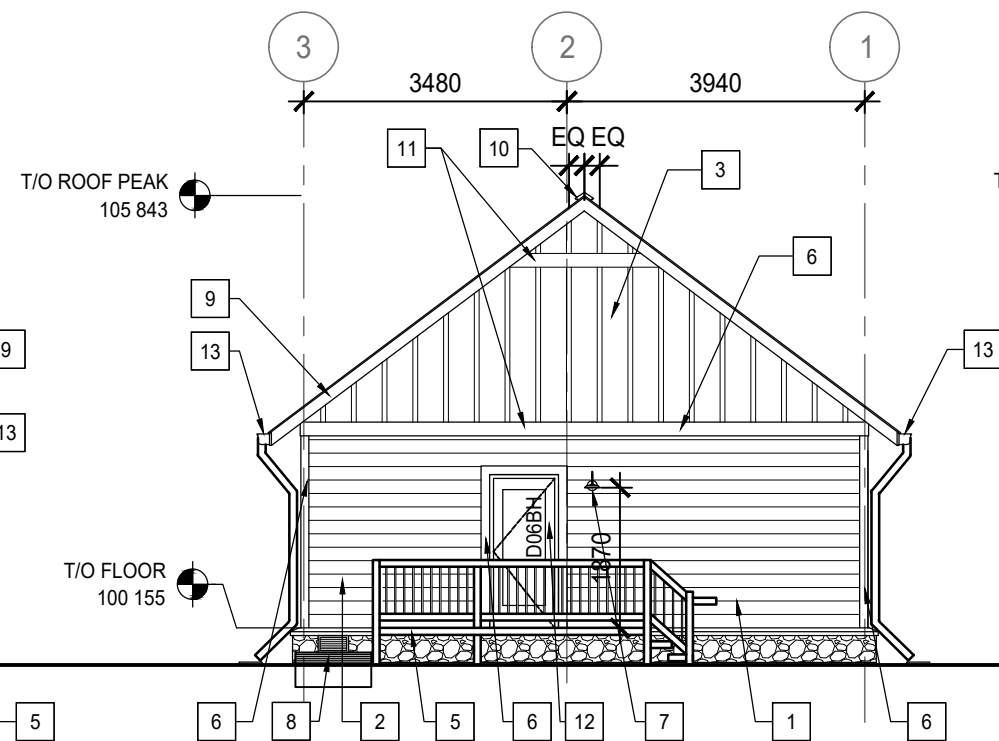
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A4.1 1:100



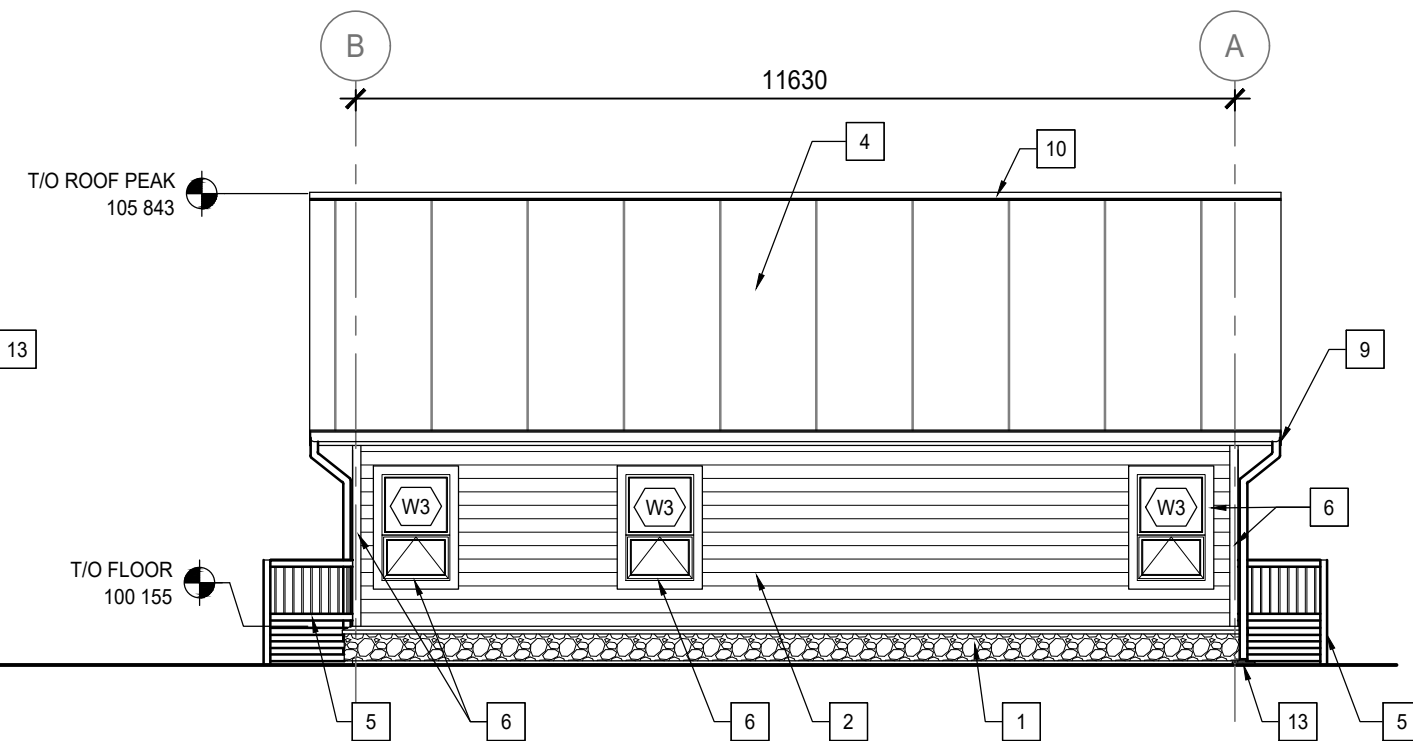
5 BUNK HOUSE - SOUTH ELEVATION  
A4.1 1:100



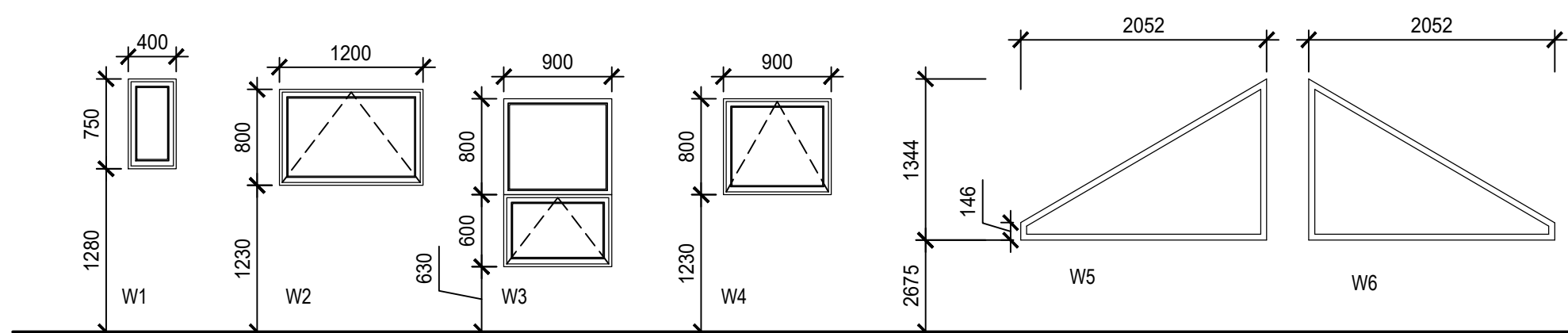
6 BUNK HOUSE - EAST ELEVATION  
A4.1 1:100



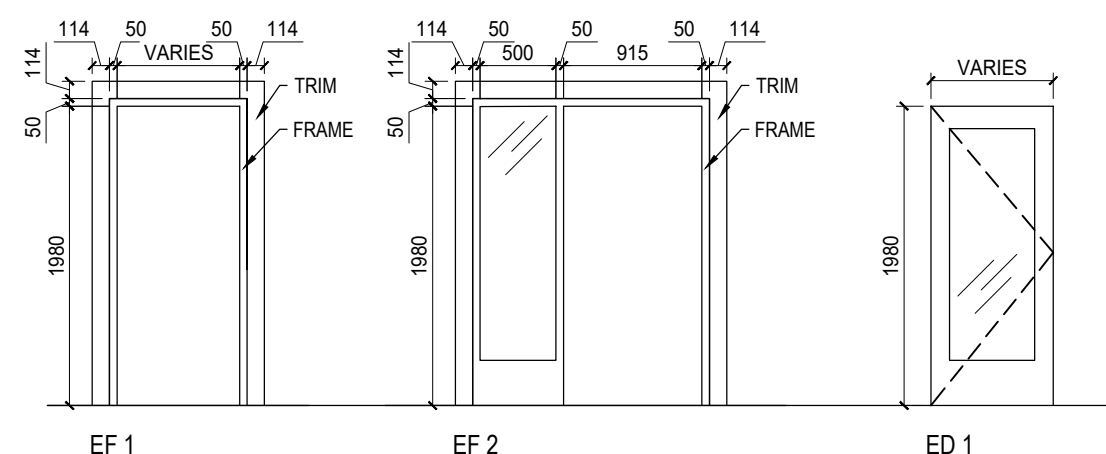
7 BUNK HOUSE - NORTH ELEVATION  
A4.1 1:100



8 BUNK HOUSE - WEST ELEVATION  
A4.1 1:100



9 WINDOW SCHEDULE  
A4.1 1:50



10 TYPICAL EXTERIOR DOOR AND FRAME ELEVATIONS  
A4.1 1:50

#### GENERAL NOTES:

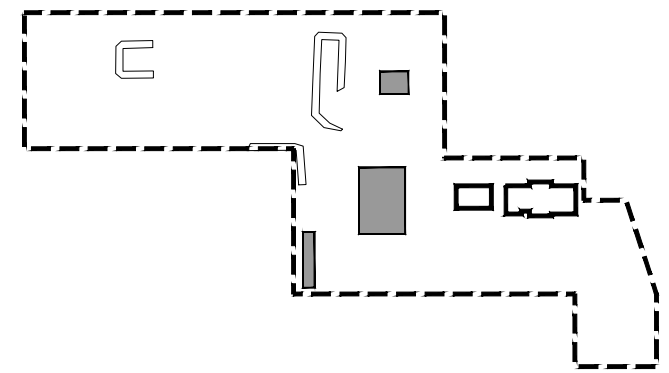
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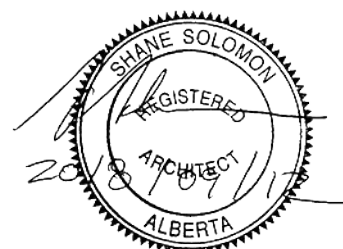
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FHC	Fire Hose Cabinet	PT	Pressure Treated	W/	With

#### ALPINE COTTAGE AND BUNKHOUSE KEY NOTES:

- STONE VENEER.
- HORIZONTAL FIBER CEMENT LAP SIDING. CEDARMILL FINISH, 209.55MM WIDE (177.8MM EXPOSURE), FACTORY FINISH COLOUR SIMILAR TO, BENJAMIN MOORE: 2057-10.
- FIBER CEMENT BOARD AND BATTEN WITH SMOOTH BOARDS AND BATTENS. BATTENS 63.5MM WIDE, 19MM THICK, FACTORY FINISH COLOUR SIMILAR TO, BENJAMIN MOORE: 2057-10. SPREAD EQUALLY ACROSS BUILDING FACE. BATTENS 408MM O.C.
- 24 GAUGE STANDING SEAM METAL ROOFING WITH CONCEALED FASTENERS. COLOUR: CHARCOAL.
- WOOD DECK AND POSTS WITH BLACK METAL PICKETS. DECK FINISHED WITH NON-TOXIC WOOD PRESERVATIVE.
- FIBER CEMENT TRIM BOARD. 114.3MM WIDE. FACTORY FINISH COLOUR SIMILAR TO, BENJAMIN MOORE 2057-10.
- EXTERIOR LIGHT. BLACK FINISH. SEE ELECTRICAL.
- LOCATION OF MECHANICAL VENT AND EXISTING WINDOW WELL.
- NON-PERFORATED FIBER CEMENT SOFFIT AND FASCIA. COLOUR SIMILAR TO, JAMES HARDIE COBBLE STONE.
- PRE-FINISHED METAL RIDGE VENT. COLOUR: CHARCOAL.
- FIBER CEMENT TRIM BOARD. 184.15mm x 25.4mm. FACTORY FINISH COLOUR SIMILAR TO, BENJAMIN MOORE 2057-10.
- DOORS AND FRAMES PTD COLOUR SIMILAR TO, BENJAMIN MOORE HC-166.
- PRE-FINISHED METAL GUTTER AND DOWNSPOUTS WITH INTEGRAL GUTTER GUARDS AND SPLASH PADS.(SEE LANDSCAPE FOR SPLASHPADS).
- MECHANICAL LOUVER. SEE MECHANICAL.



KEY PLAN  
SCALE: 1:2500  
PROPERTY LINE  
AREA OF WORK  
BUILDINGS NOT IN CONTRACT



REPUBLIC ARCHITECTURE INC.  
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ARCHITECTS ACT OF ALBERTA

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1	98% Construction Documents Submission	2018 08 21
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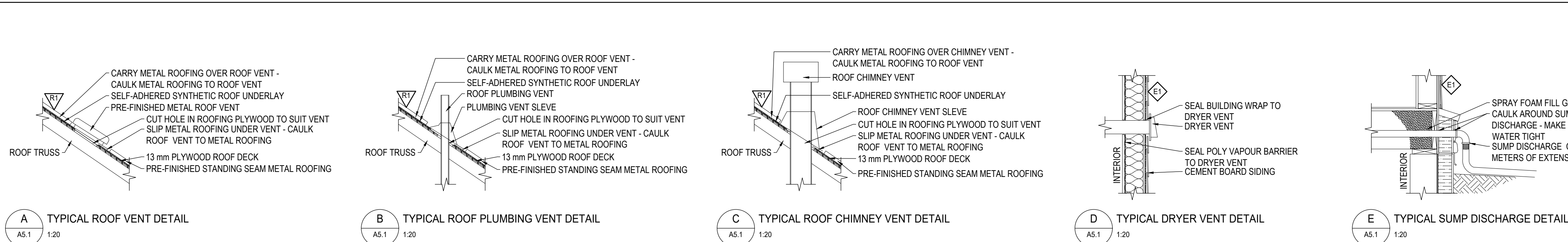
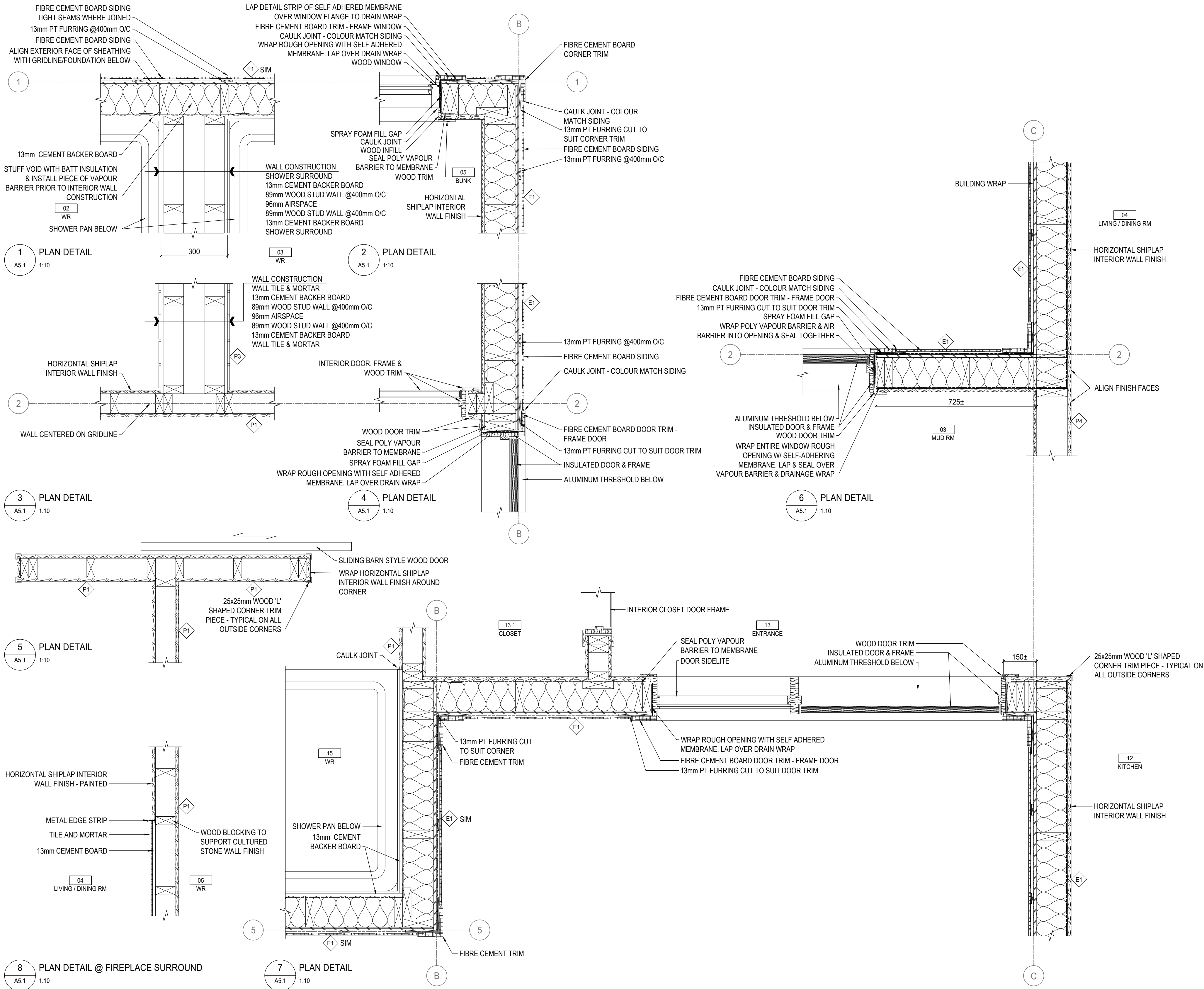
PWGC Project Manager  
MICHAEL LYZANIWSKI

Drawing title

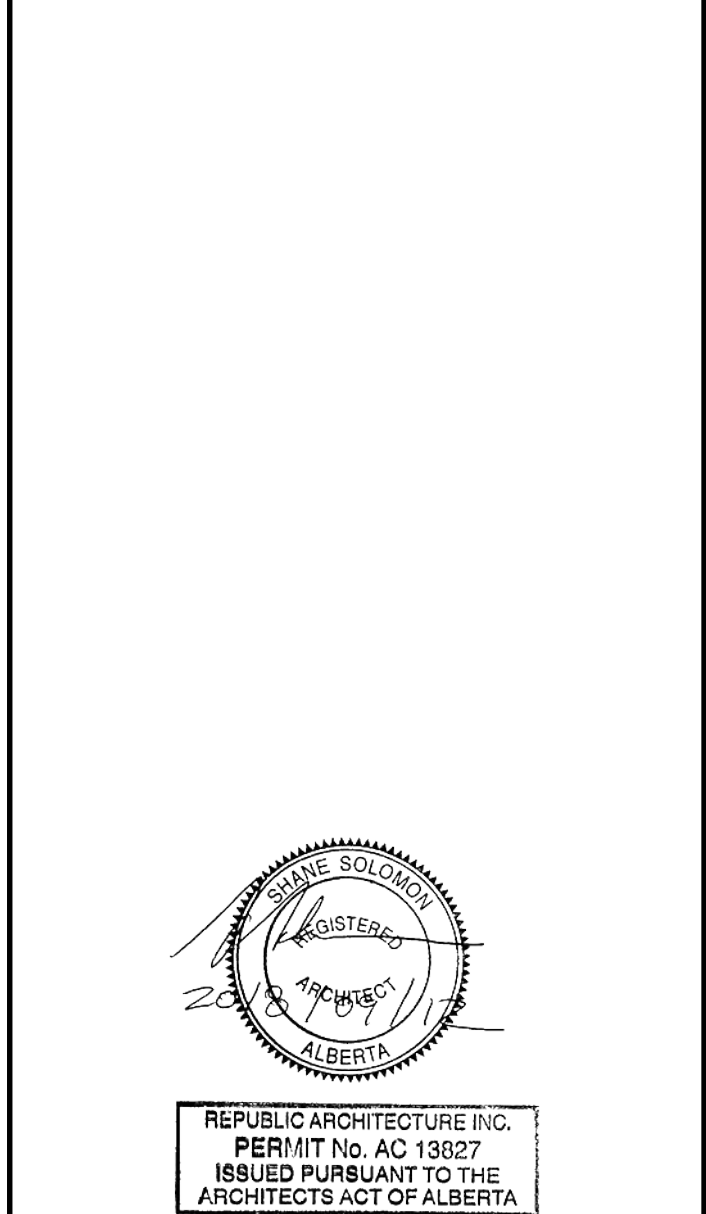
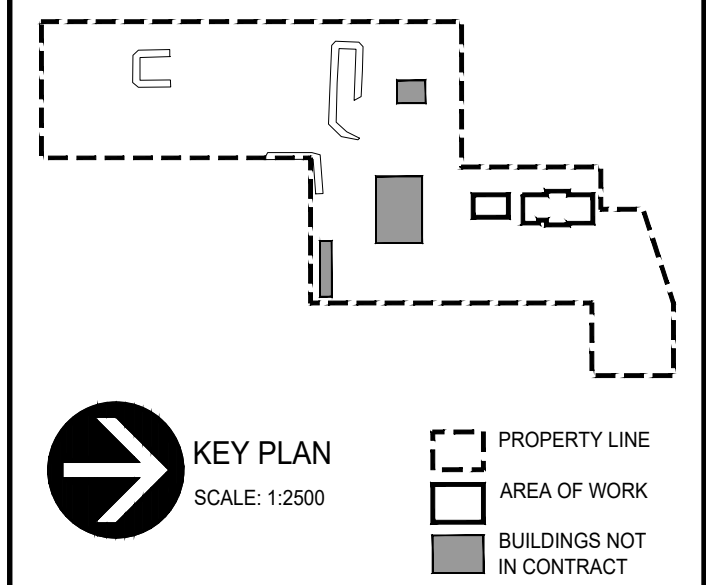
ALPINE COTTAGE AND BUNKHOUSE  
EXTERIOR ELEVATIONS

Project no.	Drawing no.	Revision no.
R.096286.001	A4.1	2





TYPICAL ROOF & WALL PENETRATION DETAILS - SCALE AS SHOWN

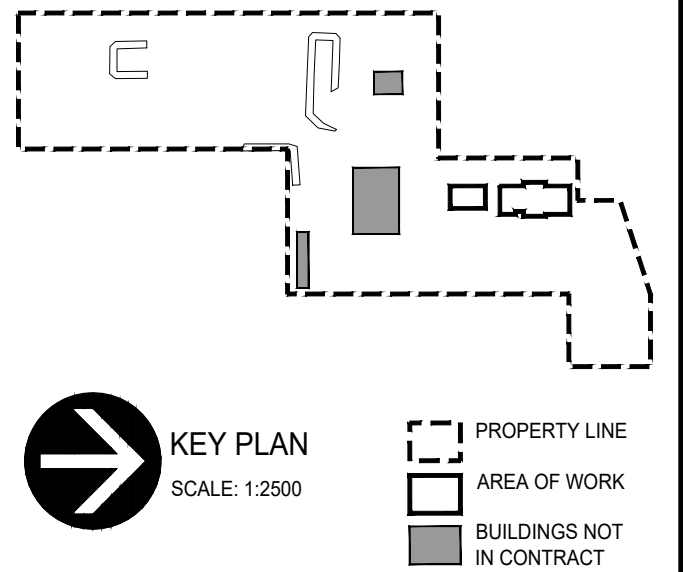


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**AND BUNKHOUSE**

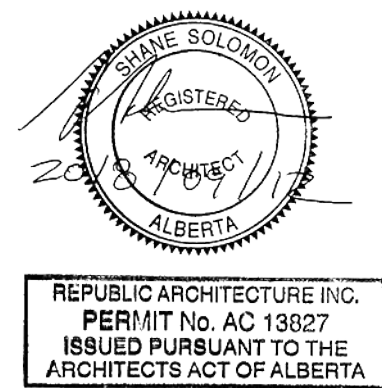
Designed by <b>MS</b>	Drawn by <b>JL</b>	Approved by <b>JR</b>
PWGC Project Manager <b>MICHAEL LYKANOWSKI</b>	Drawing title <b>ALPINE COTTAGE AND BUNKHOUSE</b> <b>PLAN DETAILS</b>	
Project no. <b>R.096286.001</b>	Drawing no. <b>A5.1</b>	Revision no. <b>2</b>





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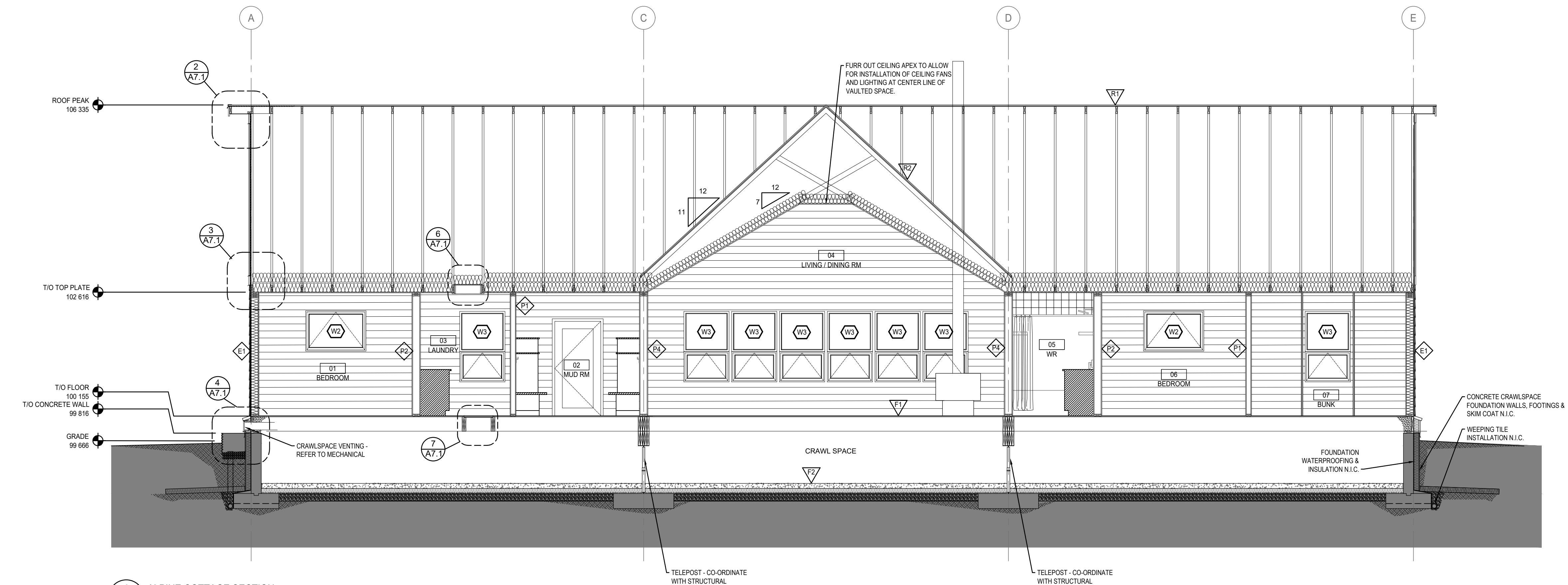
Designed by  
**MS**

Drawn by  
**RA**

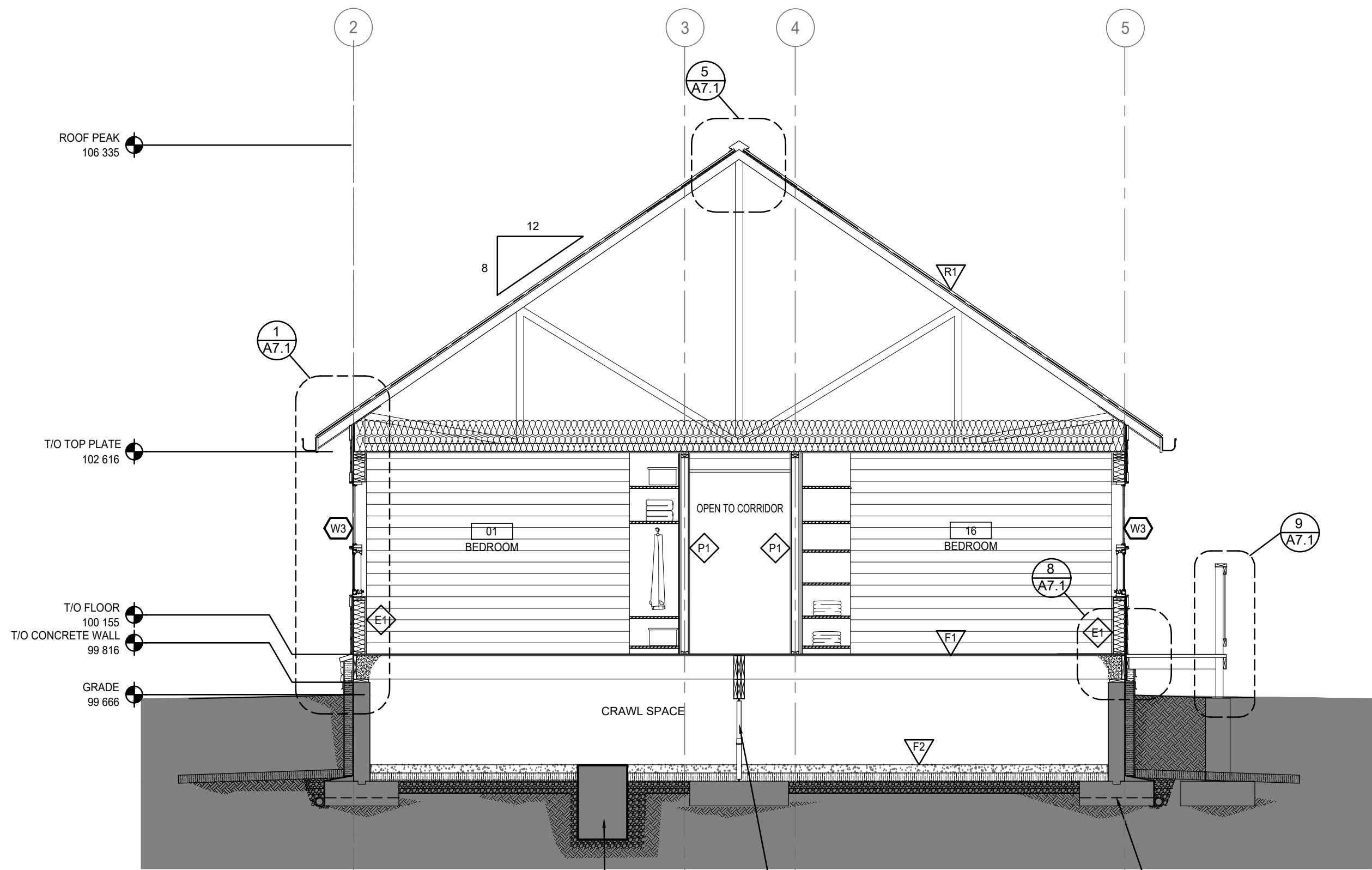
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PWGC Project Manager  
**MICHAEL L. YZANSKI**

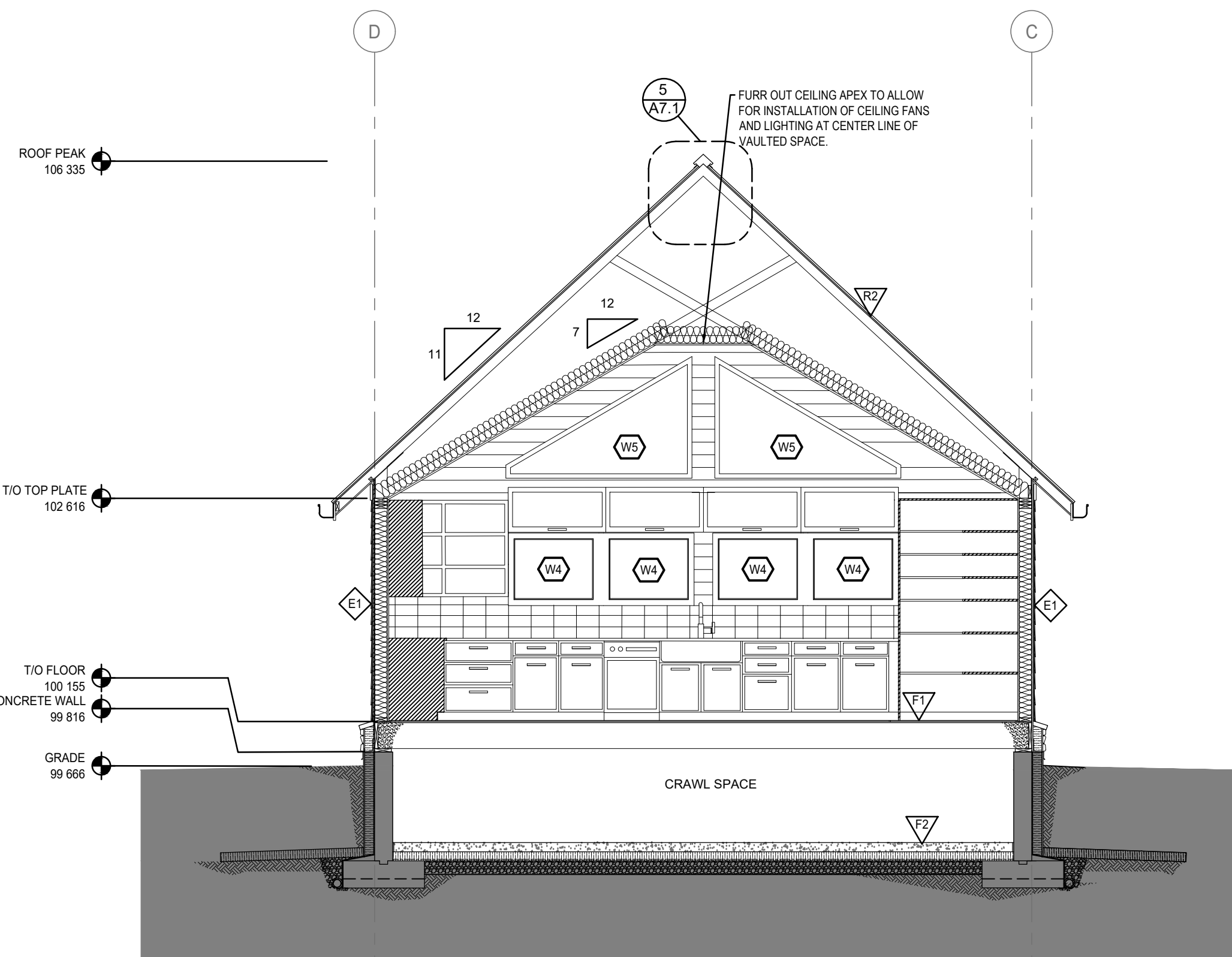
Project no.	Drawing no.	Revision no.
<b>R.096286.001</b>	<b>A6.1</b>	<b>2</b>



1 ALPINE COTTAGE SECTION  
A6.1 1:50



2 ALPINE COTTAGE SECTION  
A6.1 1:50



3 ALPINE COTTAGE SECTION  
A6.1 1:50

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8. DIMENSIONS TO FACE OF FINISHED GB UNLESS OTHERWISE INDICATED.
9. SITE CONFIRM EXACT QUANTITIES OF ITEMS TO BE DEMOLISHED PRIOR TO TENDER CLOSE.
10. TURN OVER EXISTING ITEMS ON WALLS TO BE DEMOLISHED TO DEPARTMENTAL REPRESENTATIVE FOR FIRST RIGHT OF REFUSAL.
11. ALL CONSTRUCTION MATERIAL, RECYCLING & WASTE TO BE TAKEN OFF SITE BY CONTRACTOR.

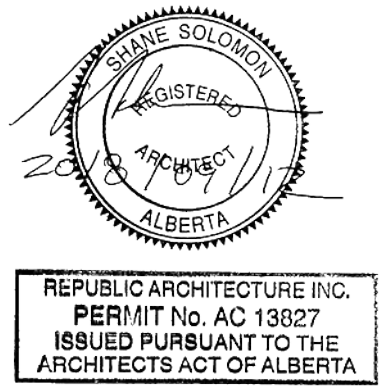
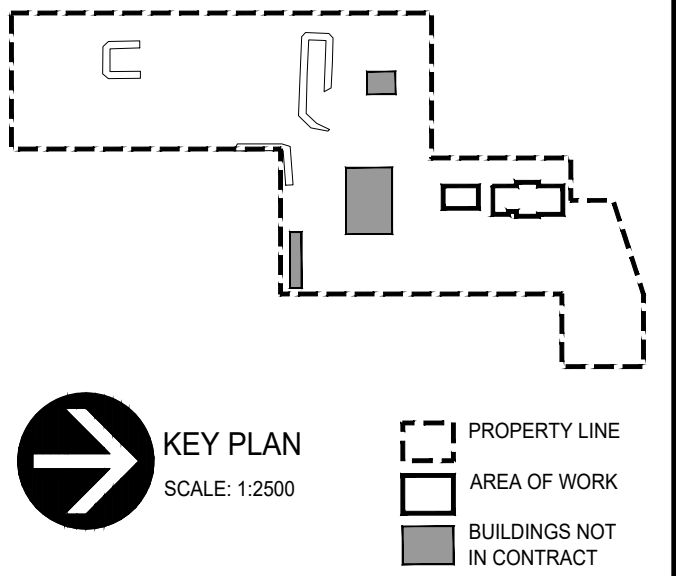
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#### LEGEND

EXISTING CONCRETE CRAWLSPACE COMPLETE WITH WEeping TILE, WATERPROOFING AND INSULATION. SITE CONFIRM DIMENSIONS PRIOR TO CONSTRUCTION





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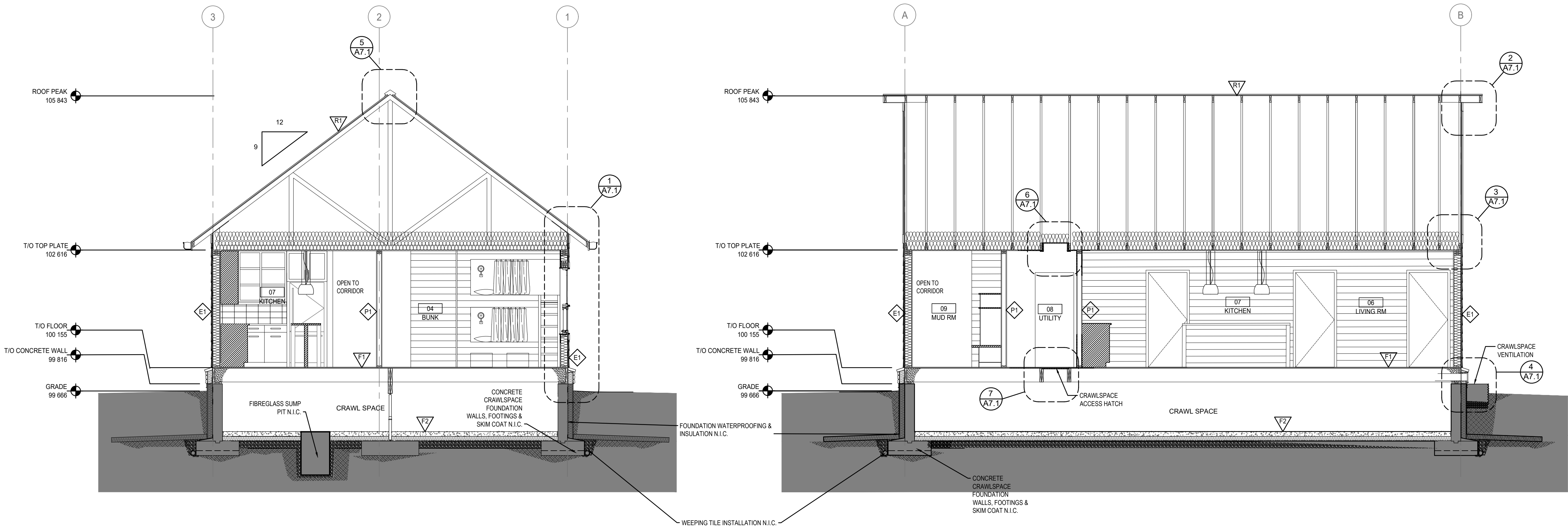
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Approved by  
**JR**

PWGC Project Manager  
**MICHAEL LYZANOWSKI**

Project no.	Drawing no.	Revision no.
<b>R.096286.001</b>	<b>A6.2</b>	<b>2</b>



#### LEGEND

EXISTING CONCRETE CRAWLSPACE COMPLETE  
WITH WEEPING TILE, WATERPROOFING AND  
INSULATION. SITE CONFIRM DIMENSIONS PRIOR  
TO CONSTRUCTION

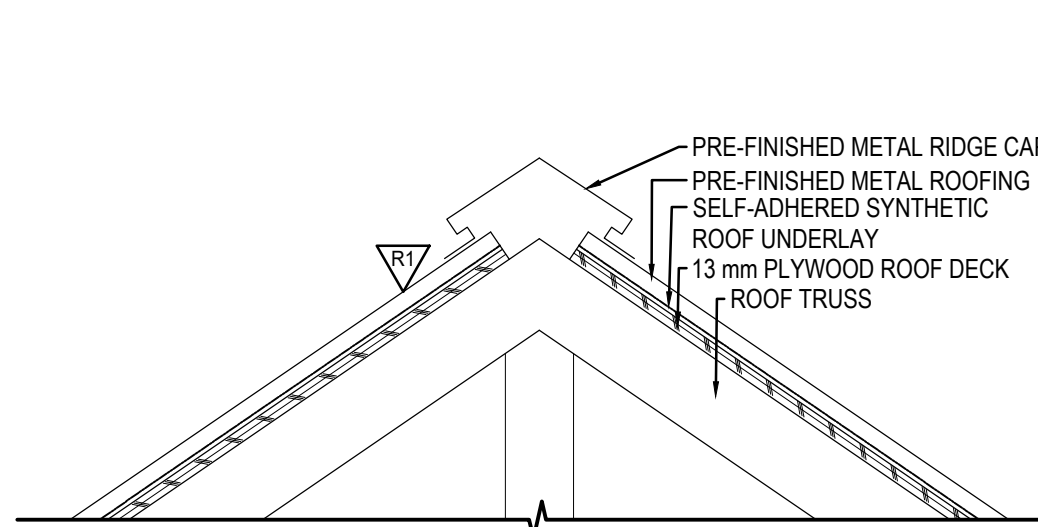
#### GENERAL NOTES:

1. INFORMATION CONCERNING EXISTING CONSTRUCTION WAS TAKEN FROM ORIGINAL DRAWINGS AND IS ASSUMED CORRECT.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF SITE MEASUREMENTS AND QUANTITIES OF MATERIALS REQUIRED.
3. PERFORM WORK IN STRICT ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA AND ANY OTHER CODE OF APPLICATION OR ANY AUTHORITY HAVING JURISDICTION.
4. DRAWINGS MUST NOT BE SCALED.
5. WHERE NEW WORK CONNECTS WITH EXISTING AND WHERE EXISTING WORK IS ALTERED, PATCH, REPAIR AND MAKE GOOD TO MATCH EXISTING. CONTACT DEPARTMENTAL REPRESENTATIVE FOR CLARIFICATION AS REQUIRED.
6. ALL FINISHES AND MATERIALS TO REMAIN ARE TO BE PROTECTED IN THEIR EXISTING CONDITION EXCEPT AS NOTED. ANY FINISHES DAMAGED IN THE COURSE OF CONSTRUCTION ARE TO BE PATCHED, REPAIRED AND MADE GOOD.
7. IN CASE OF DOUBT, CONFLICT OR DISCREPANCIES ON THE DRAWINGS, SPECIFICATIONS, MATERIALS OR METHOD OF CONSTRUCTION, CONTACT DEPARTMENTAL REPRESENTATIVE FOR CLARIFICATION IN WRITING BEFORE PROCEEDING WITH WORK.
8. DIMENSIONS TO FACE OF FINISHED GB UNLESS OTHERWISE INDICATED.
9. SITE CONFIRM EXACT QUANTITIES OF ITEMS TO BE DEMOLISHED PRIOR TO TENDER CLOSE.
10. TURN OVER EXISTING ITEMS ON WALLS TO BE DEMOLISHED TO DEPARTMENTAL REPRESENTATIVE FOR FIRST RIGHT OF REFUSAL.
11. ALL CONSTRUCTION MATERIAL, RECYCLING & WASTE TO BE TAKEN OFF SITE BY CONTRACTOR.

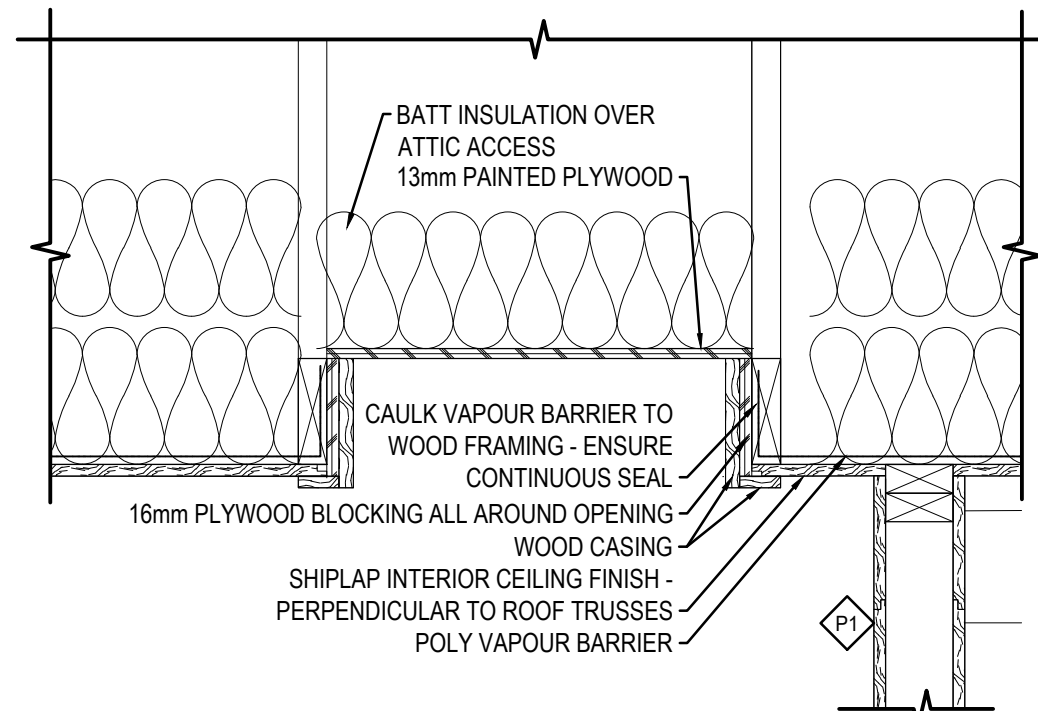
#### ABBREVIATIONS:

ACT	Acoustic Ceiling Tile	FR	Fridge	PTD	Painted
ADO	Automatic Door Opener	FRR	Fire Resistance Rating	QTY	Quantity
AFB	Above Finished Floor	GB	Gypsum Board	RB	Rubber Base
AWP	Acoustic Wall Panels	HPL	High Pressure Laminate	RCP	Reflected Ceiling Plan
BFL	Baffle	HR	Hour	REQS	Requirements
BW	Between	HWT	Hot Water Tank	RTF	Resilient Tile Floor
CPT	Carpet Tile	MAX	Maximum	RM	Room
CG	Corner Guard	MECH	Mechanical	SHP	Shiplap
CLG	Ceiling	MIN	Minimum	STC	Sound Transmission Class
DW	Dishwasher	MW	Microwave	TB	Task Board
ELEC	Electrical	NBC	National Building Code	TBD	To Be Determined
EQ	Equal	NIC	Not in Contract	TS	Transition Strip
EX	Existing	NTS	Not to Scale	TV	Television
EXP	Exposed	O/C	On Centre	TYP	Typical
FD	Floor Drain	PLY	Plywood	UIS	Underside
FHC	Fire Hose Cabinet	PT	Pressure Treated	W/	With

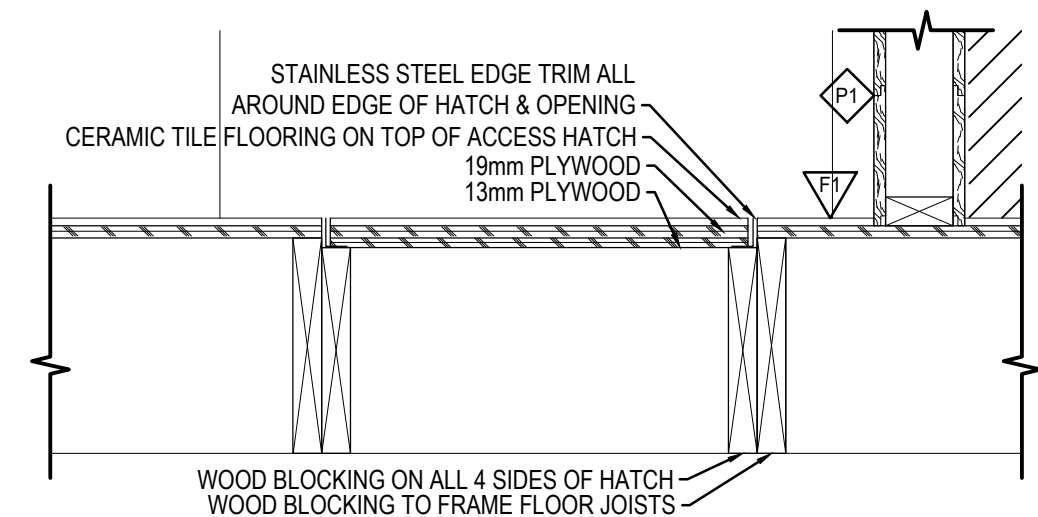




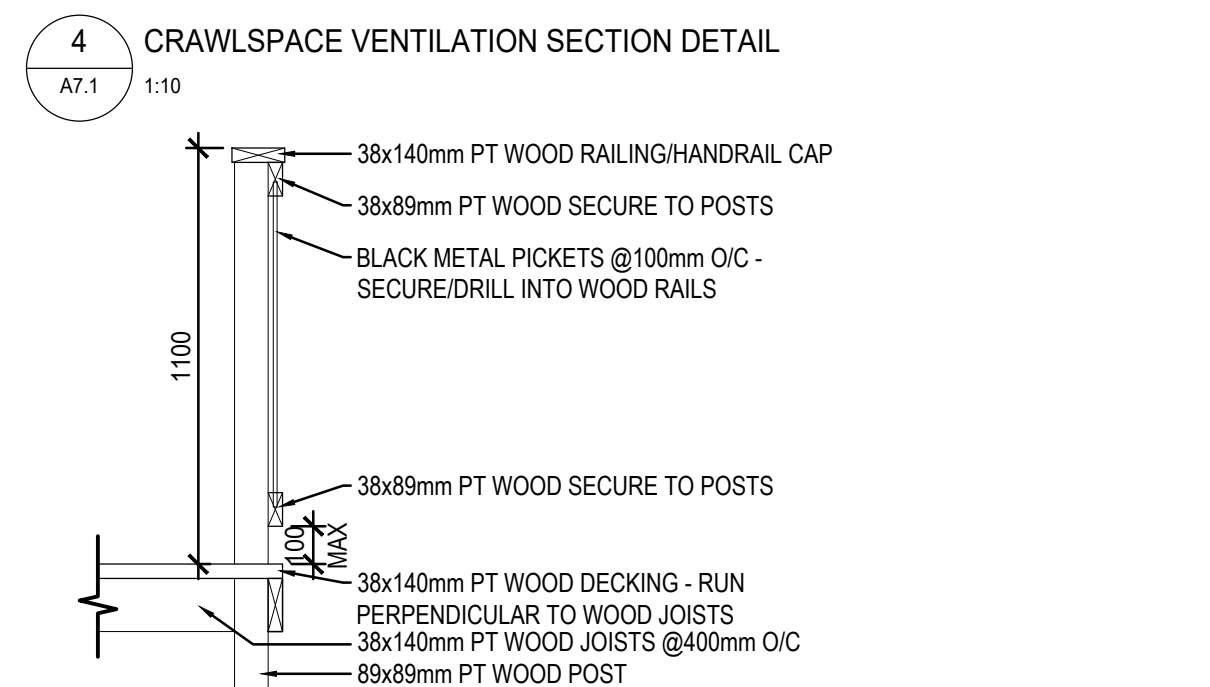
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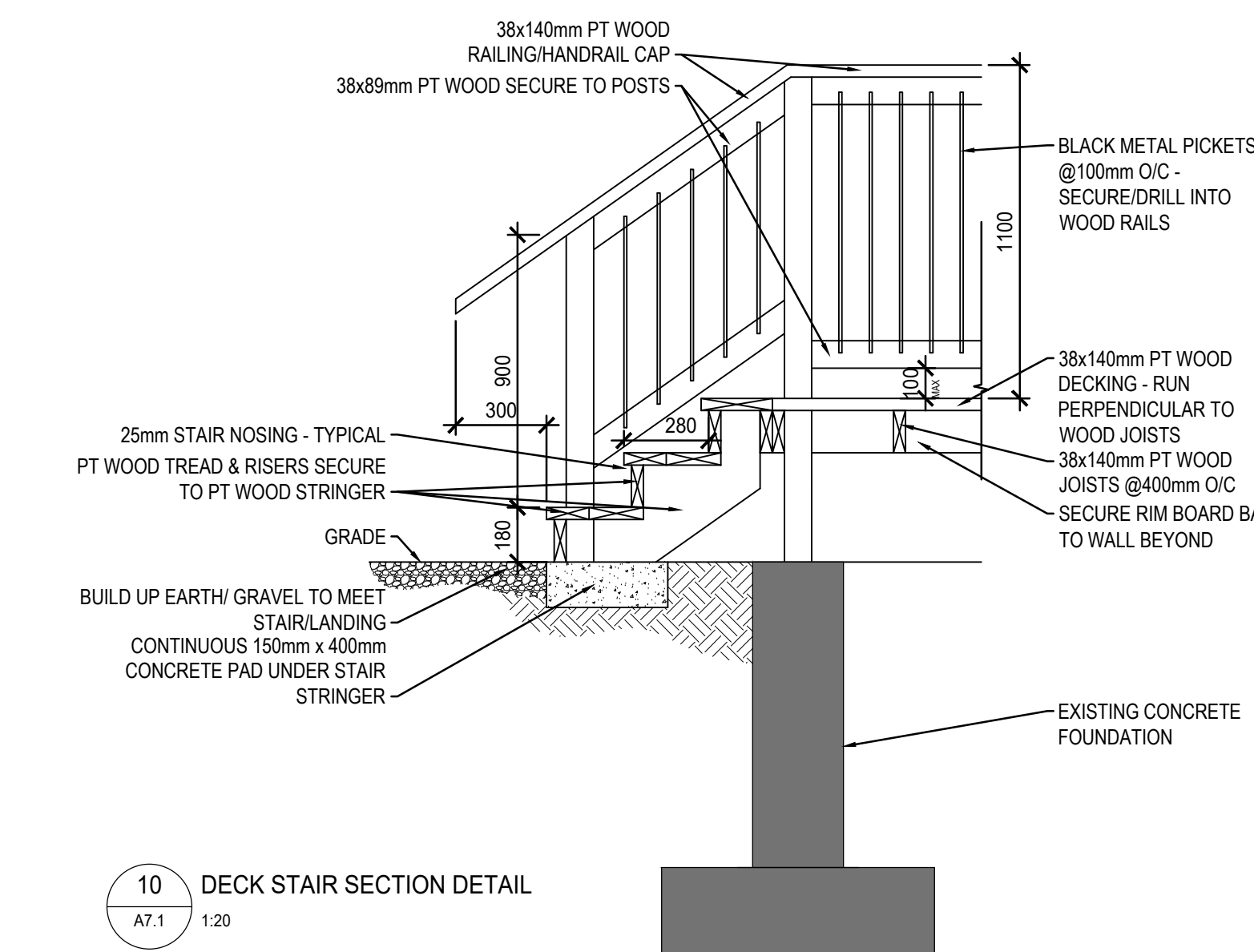
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A7.1 1:10



A7.1 1:10

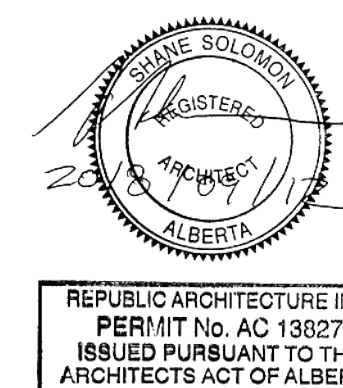
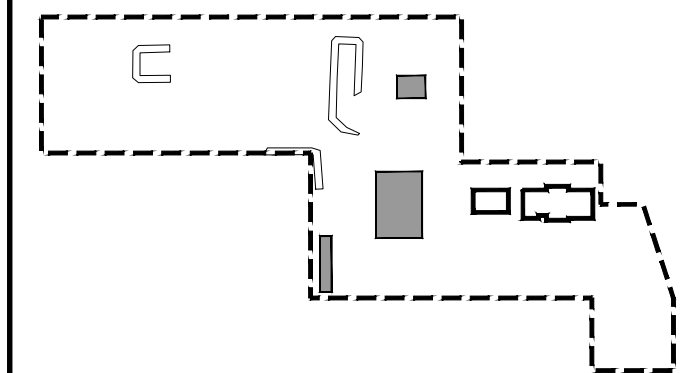


A7

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U/S	Underside
W/	With



2	Issued for Construction	2018 09 12
1	99% Construction Drawing Submission	2018 08 21
0	66% Construction Documents Submission	2018 07 26
Revision	Description	Date

PWGSC / TPSGC

**ATB Place North Tower  
10025 Jasper Ave, 5th Floor  
Edmonton, Alberta T5J 1S6**

Project title

**SECTION 25, NE CORNER, TOWNSHIP ONE,  
RANGE 30, WEST OF THE 4TH  
WATERTON, ALBERTA**

**WLNP ALPINE STABLES RECONSTRUCTION  
ALPINE COTTAGE  
AND BUNKHOUSE**

Designed by

Drawn by

Approved by \_\_\_\_\_

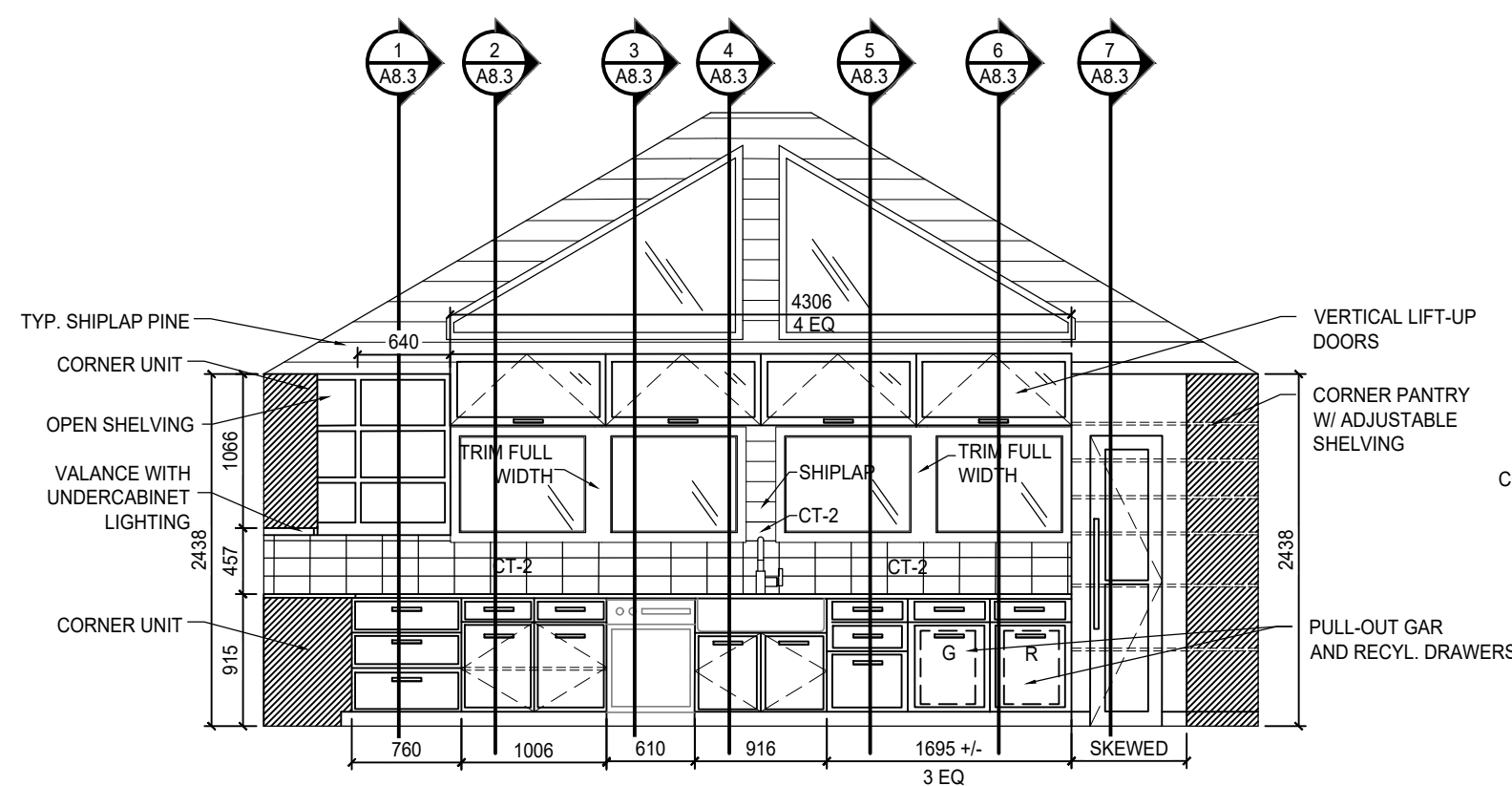
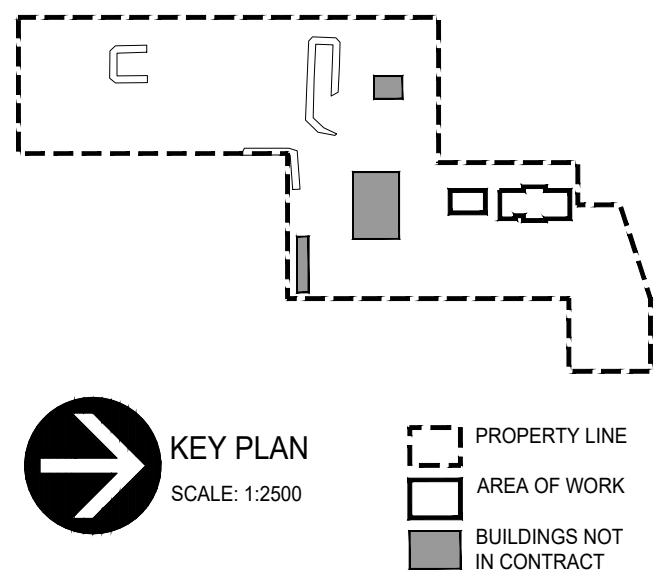
PWGSC Project Manager  
**MICHAEL LYZANIWSKI**

Drawing title
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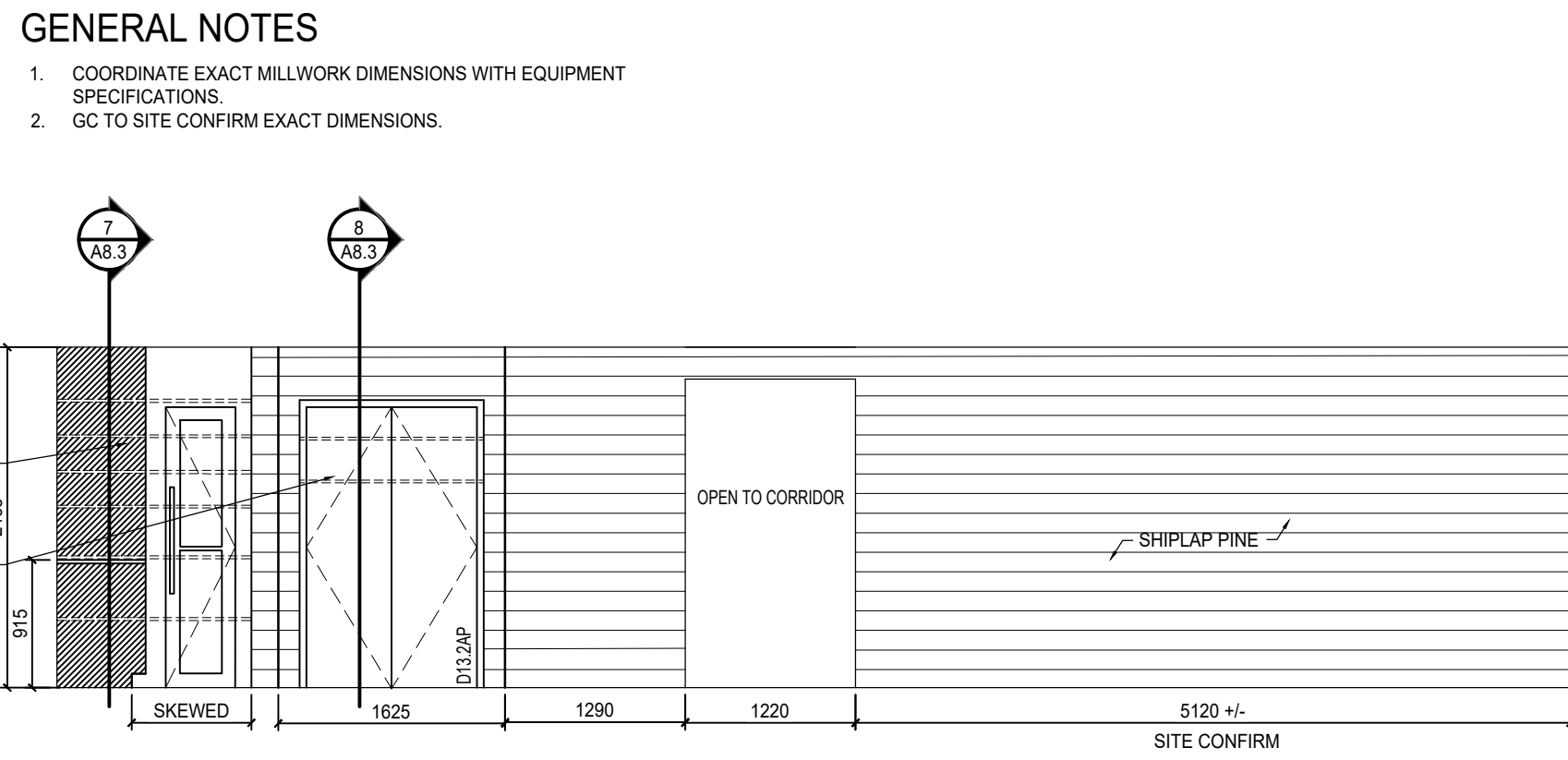
### ALPINE COTTAGE AND BUNKHOUSE SECTION DETAILS

Project no.  <b>R.096286.001</b>	Drawing no.  <b>A7.1</b>	Revision no.  <b>2</b>
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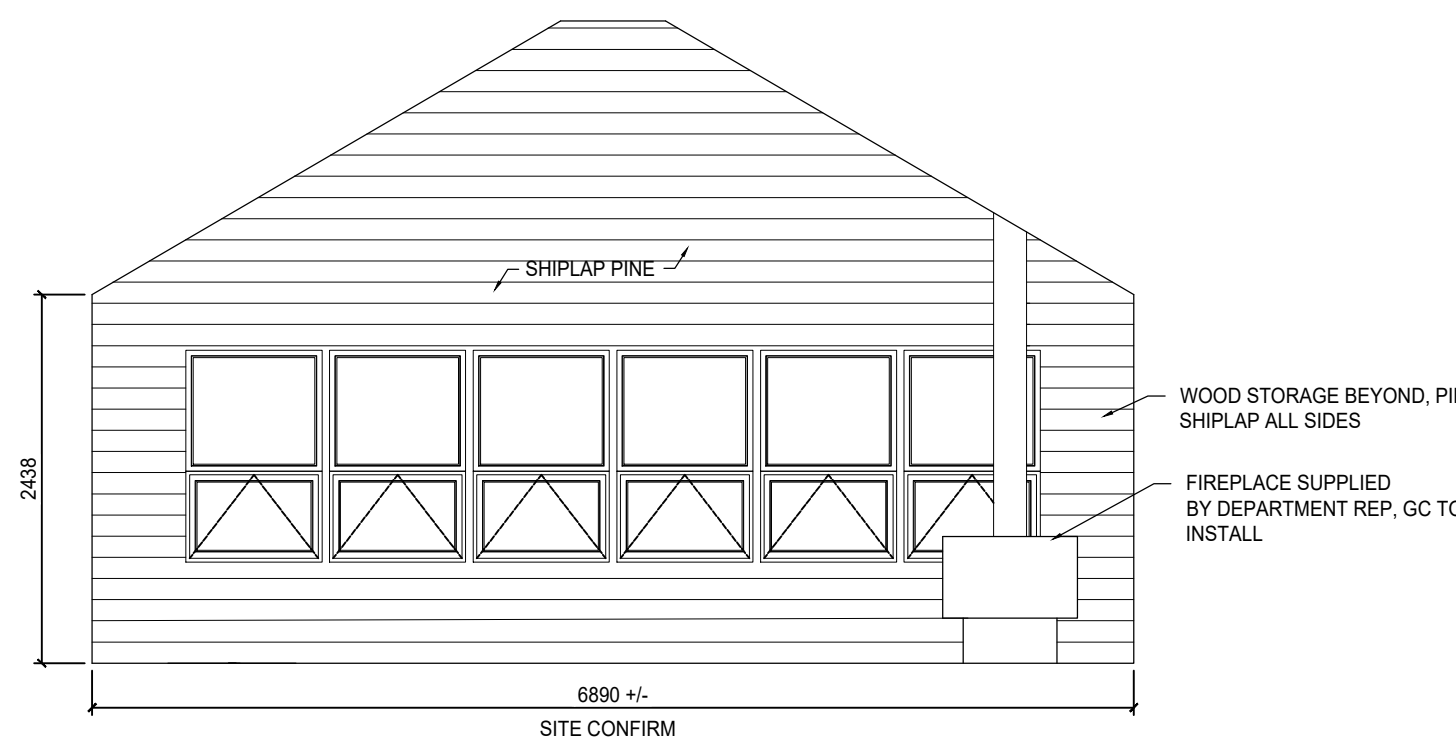




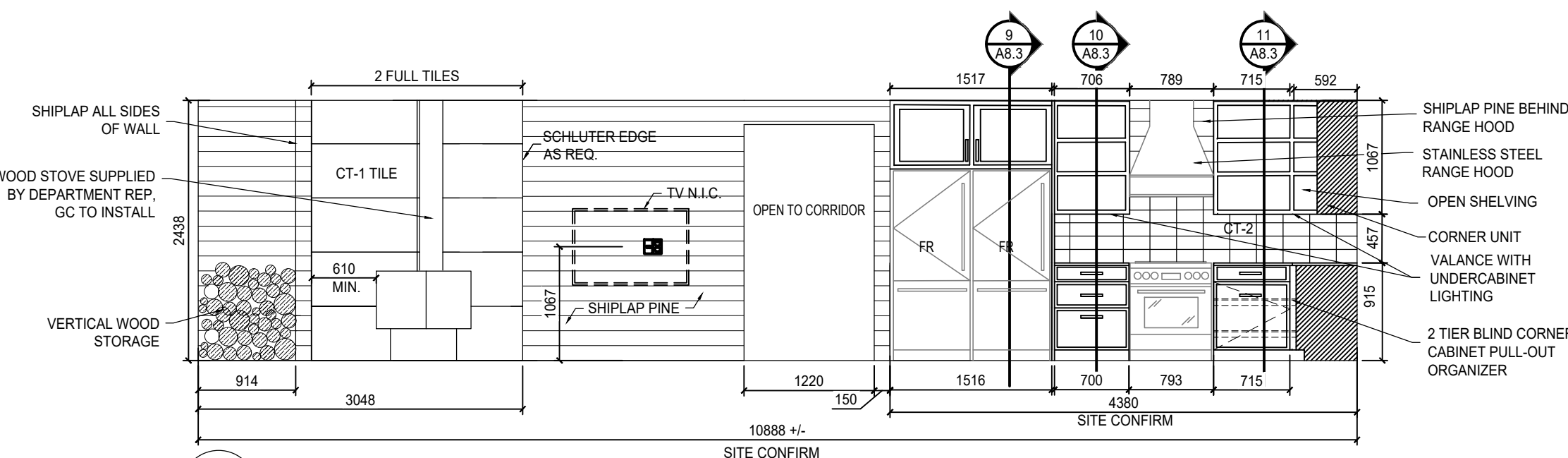
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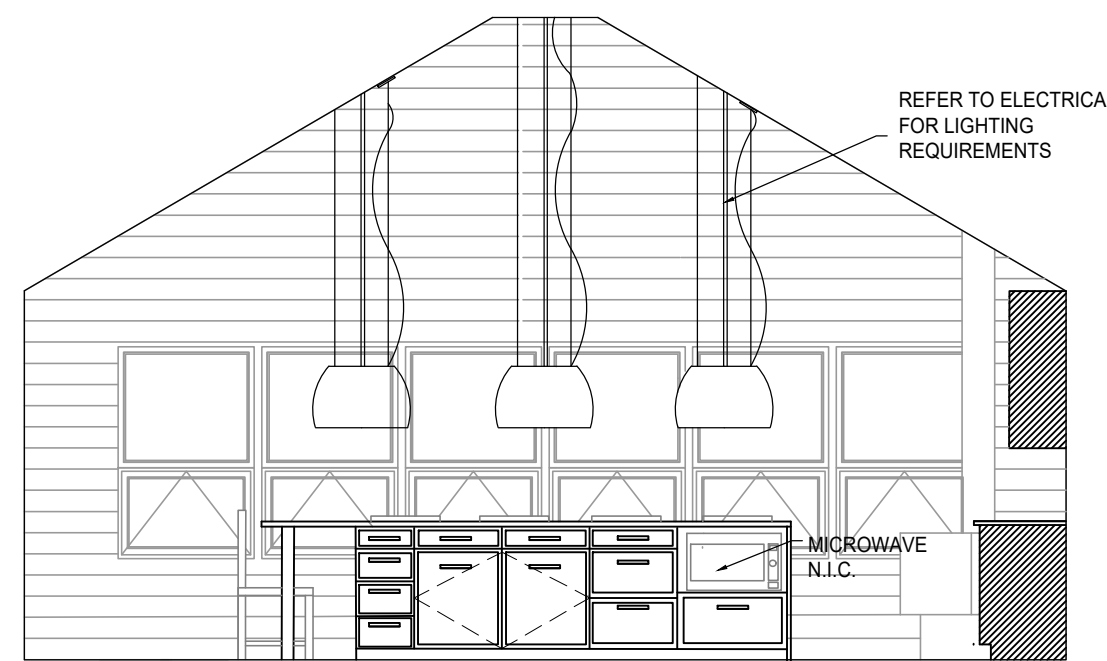
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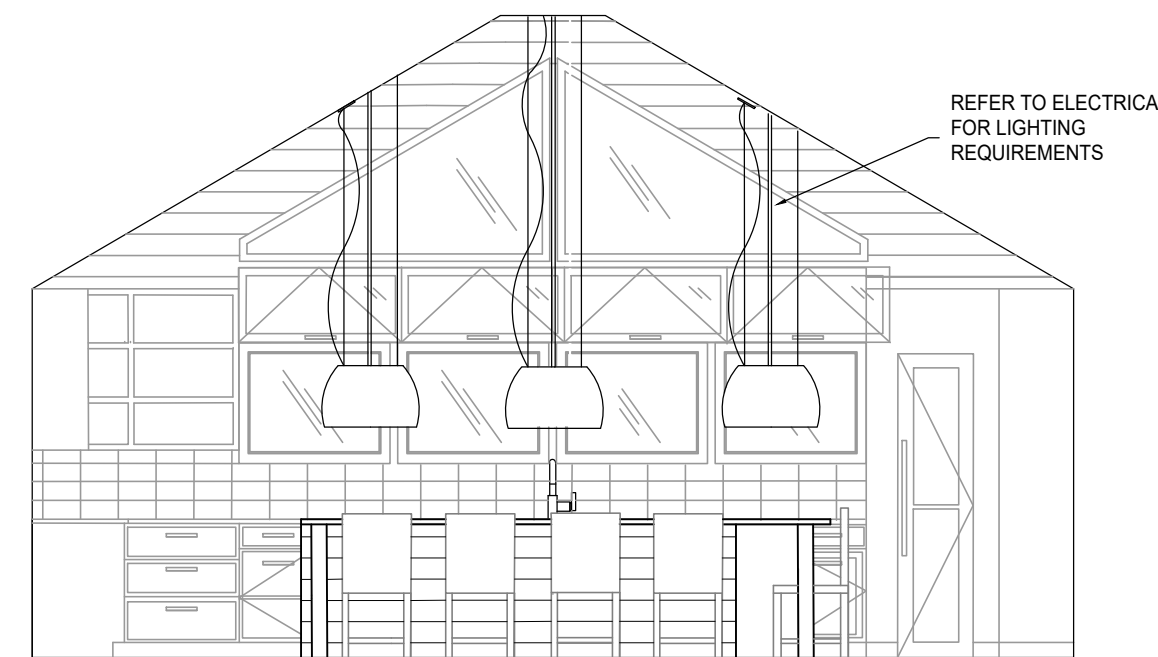
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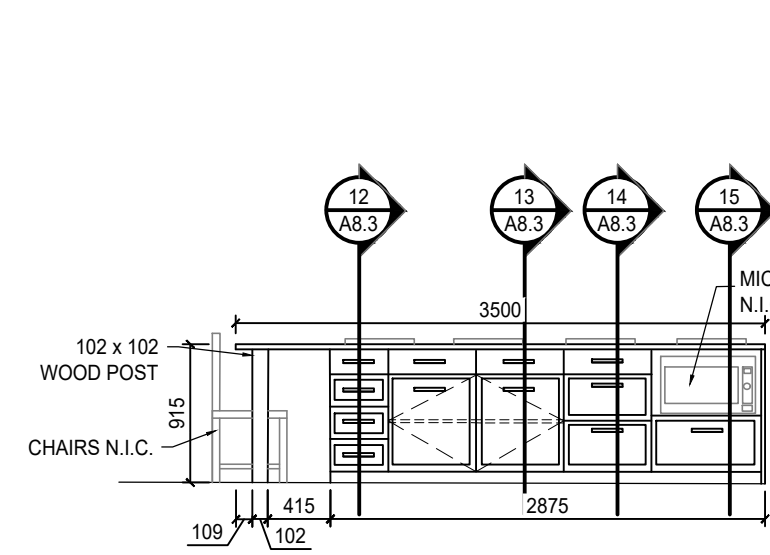
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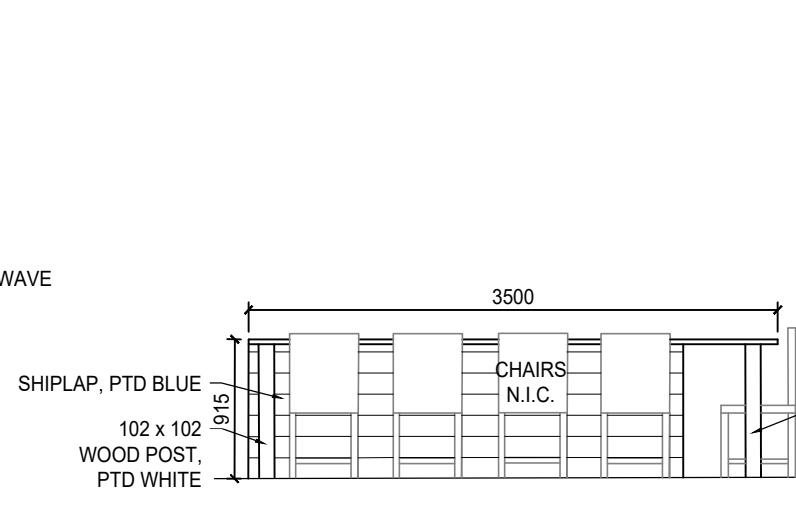
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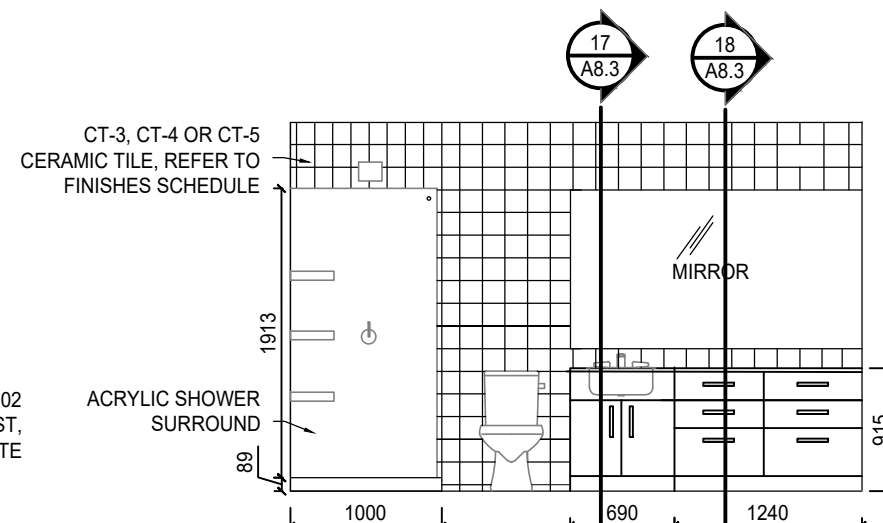
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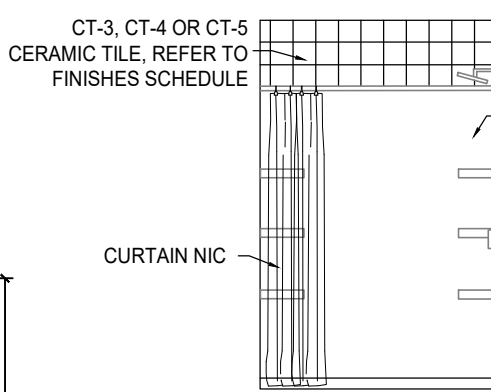
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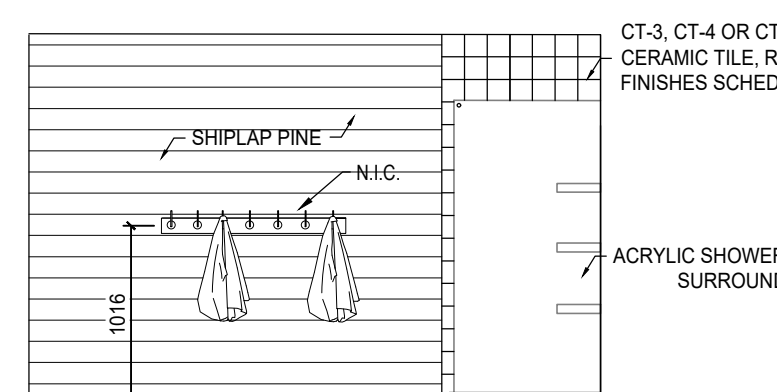
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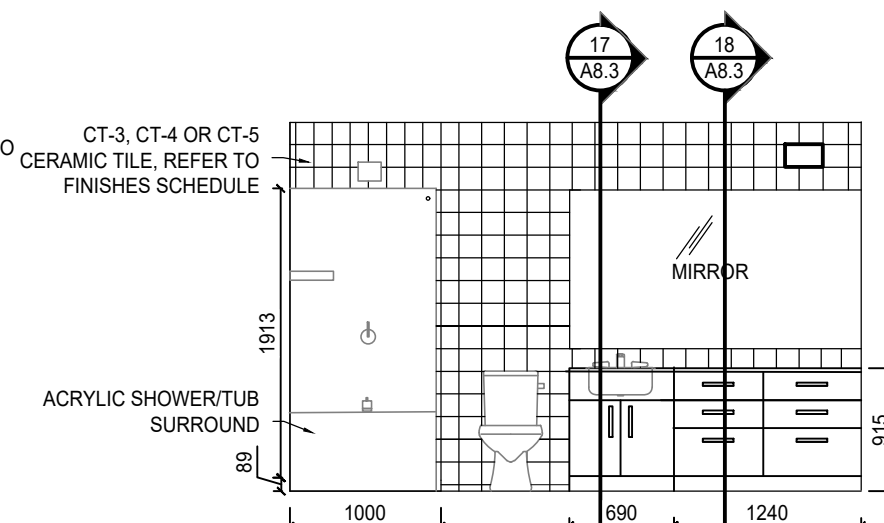
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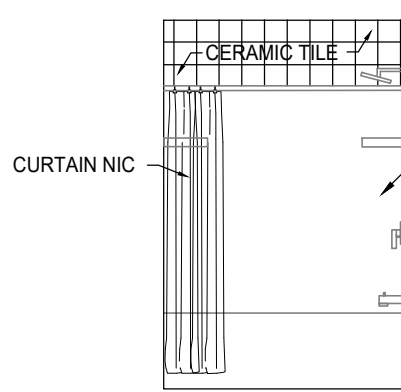
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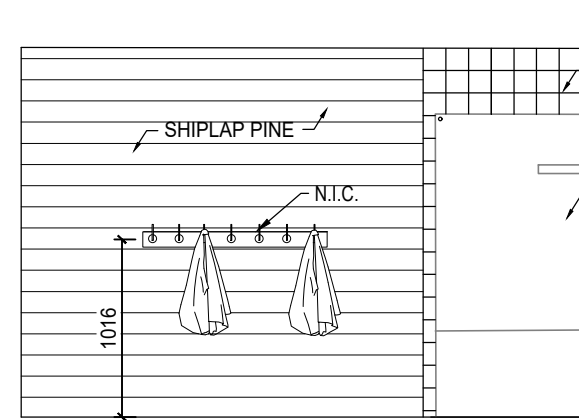
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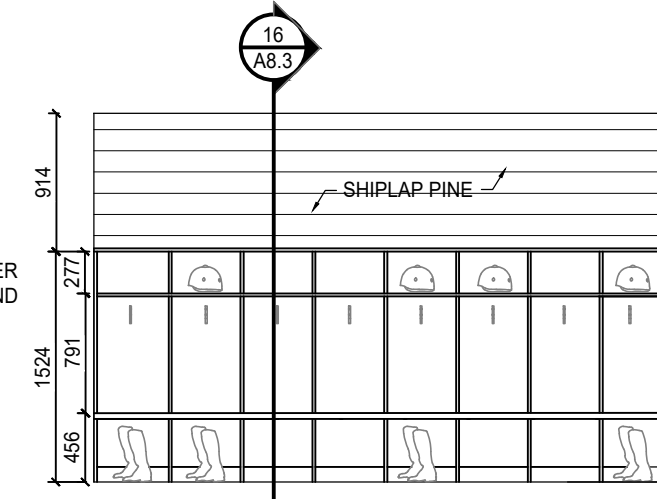
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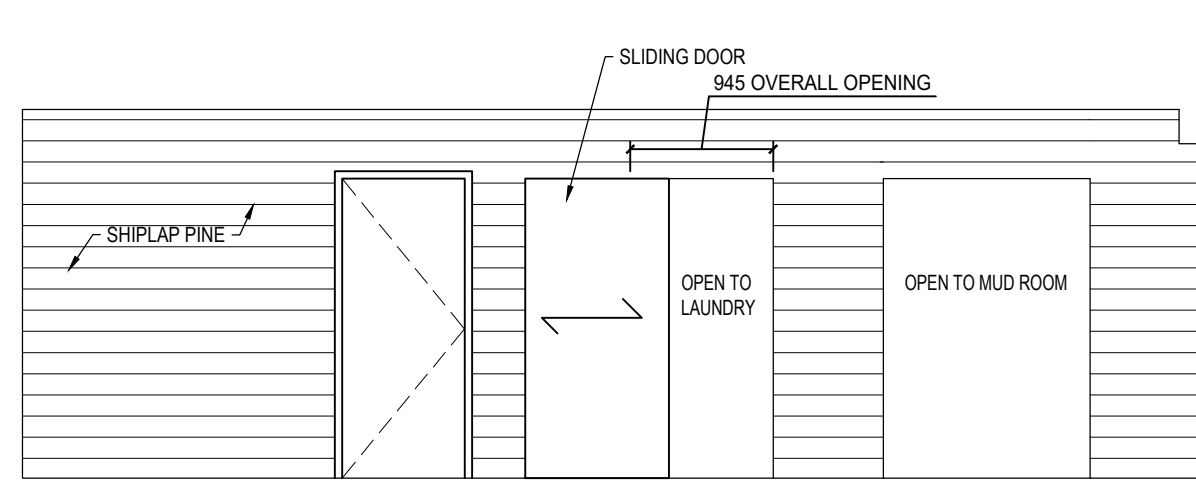
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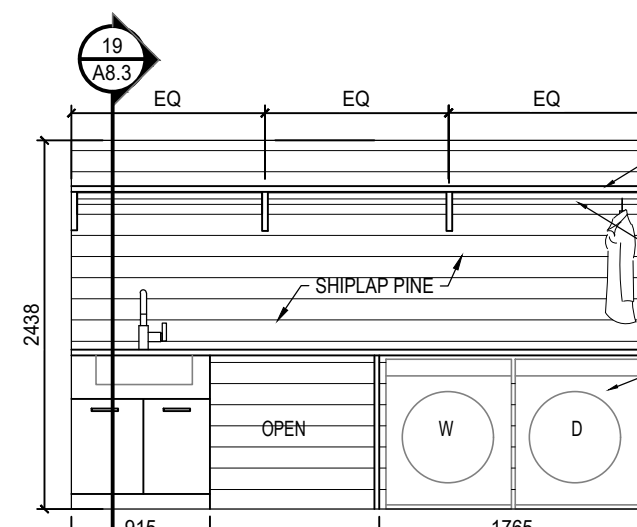
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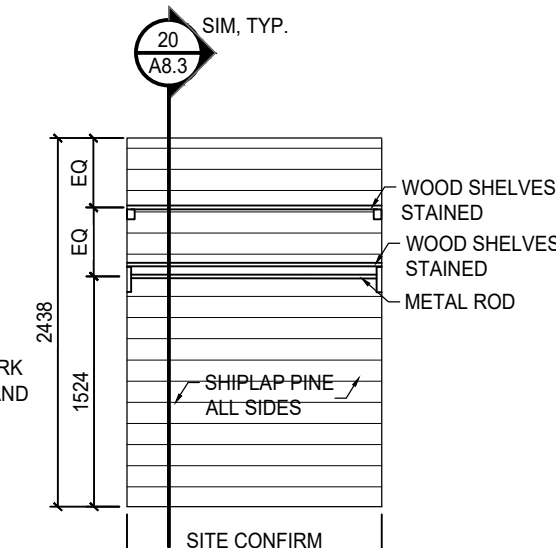
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16 CORRIDOR 17 ELEVATION  
A8.1 1:50



17 LAUNDRY ROOM ELEVATION  
A8.1 1:50



18 TYP BEDROOM CLOSET  
A8.1 1:50

2	Issued for Construction	2018 09 12
1	99% Construction Documents Submission	2018 08 21
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Client	PWGSC / TPSGC	
ATB Place North Tower 10025 Jasper Ave, 5th Floor Edmonton, Alberta T5J 1S6		

Project title	SECTION 25, NE CORNER, TOWNSHIP ONE, RANGE 30, WEST OF THE 4TH WATERTON, ALBERTA	
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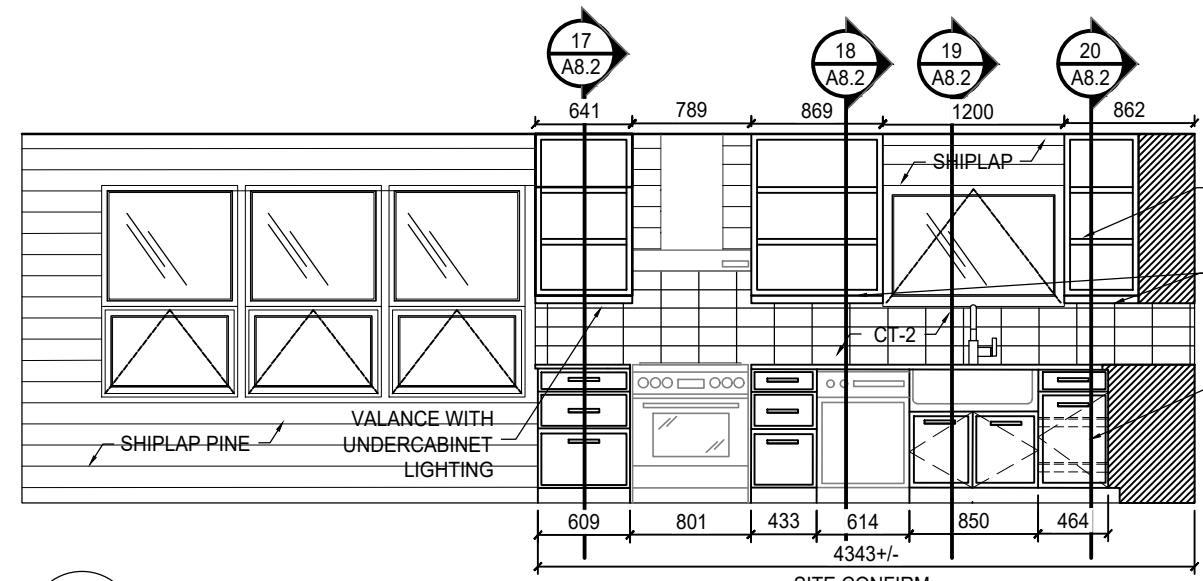
Project title	WLNP ALPINE STABLES RECONSTRUCTION ALPINE COTTAGE AND BUNKHOUSE	
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Designed by	MS	
Drawn by	HA	
Approved by	JR	
PWGSC Project Manager	MICHAEL L'YZANOWSKI	

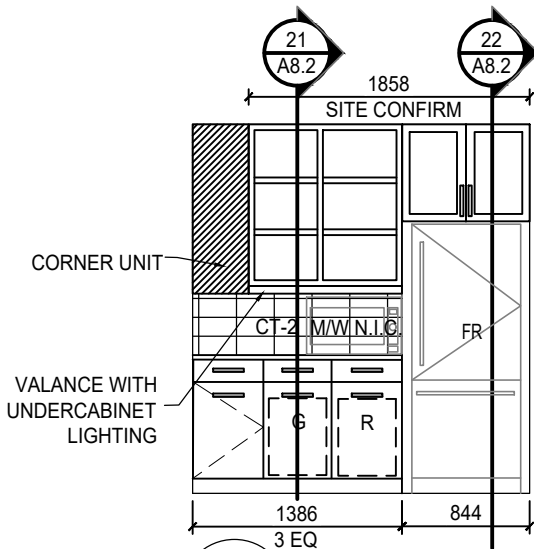
Drawing title	ALPINE COTTAGE INTERIOR ELEVATIONS	
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Project no.	Drawing no.	Revision no.
R.096286.001	A8.1	2

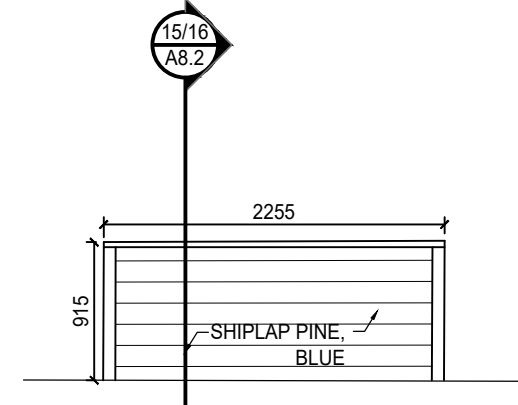




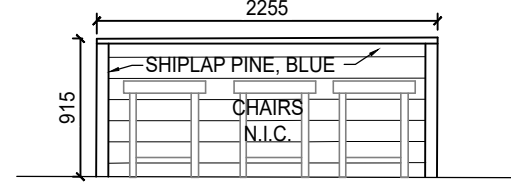
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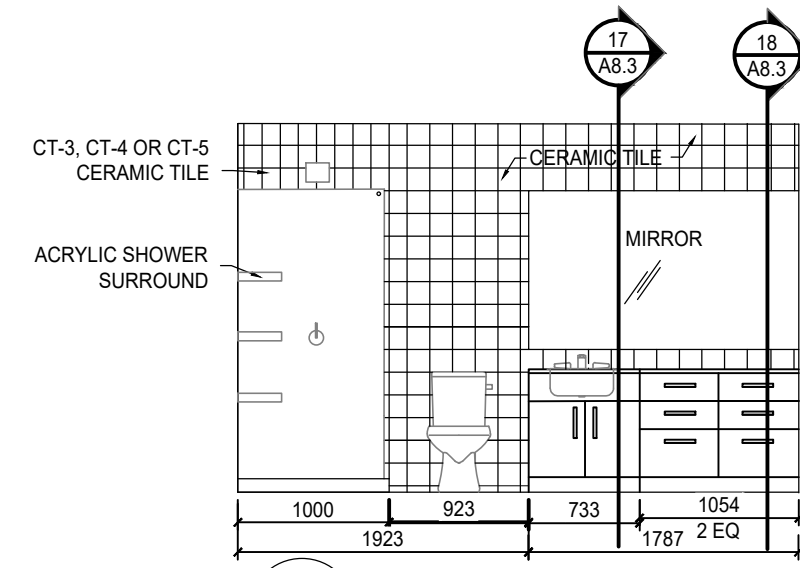
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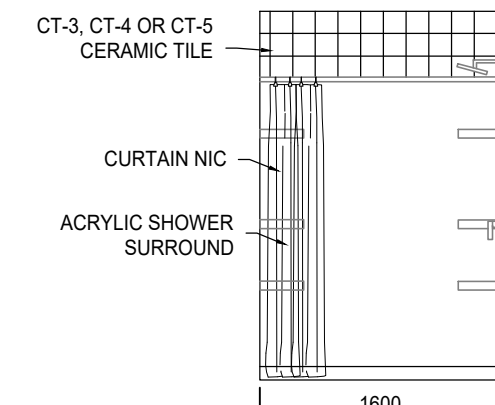
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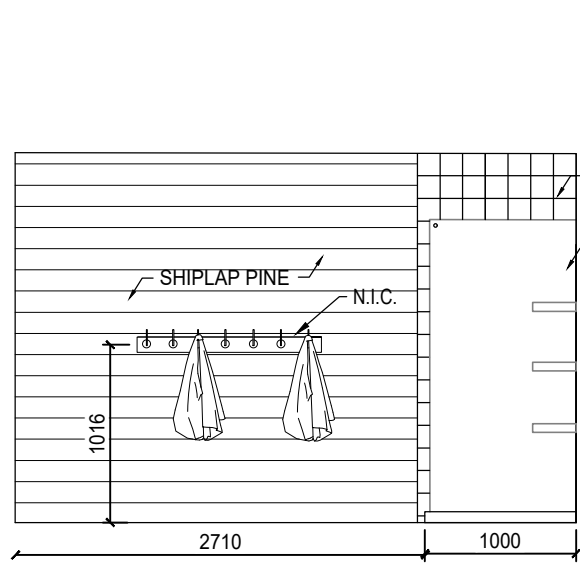
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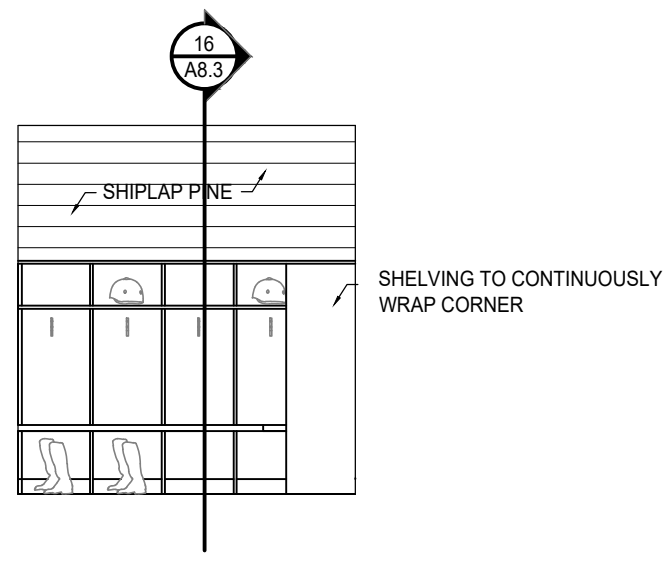
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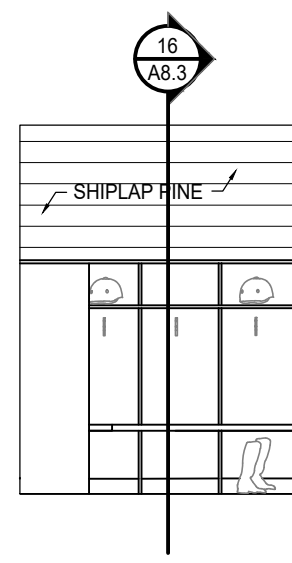
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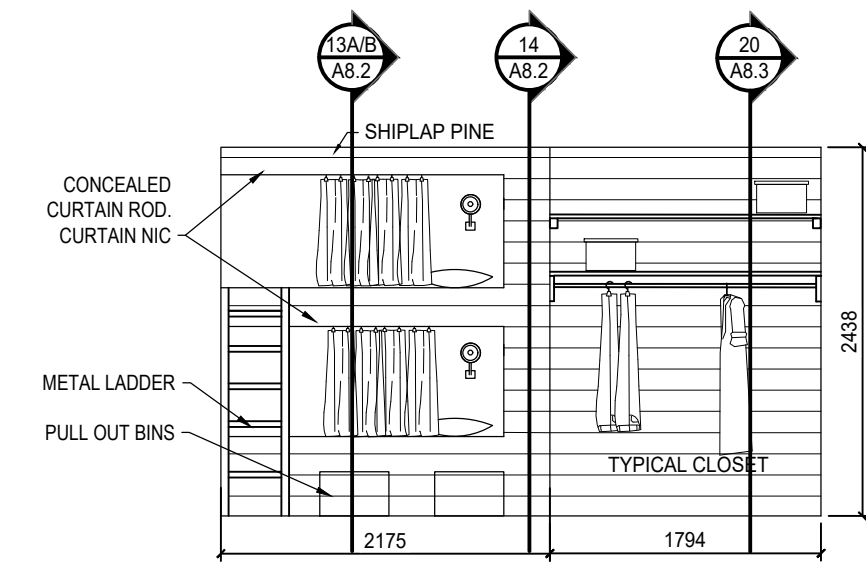
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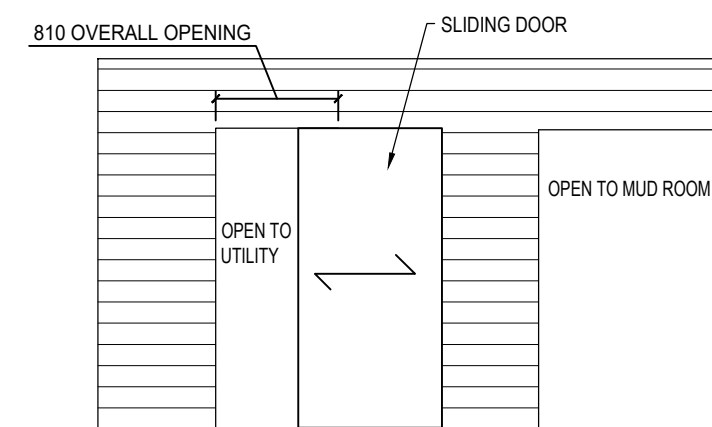
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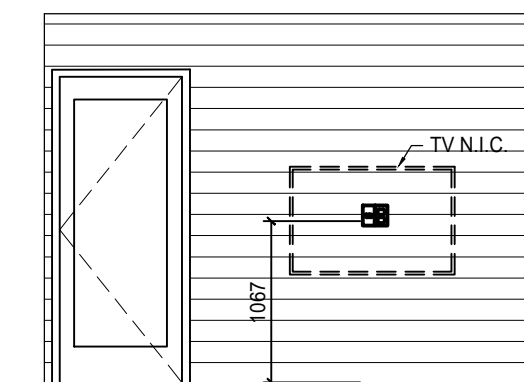
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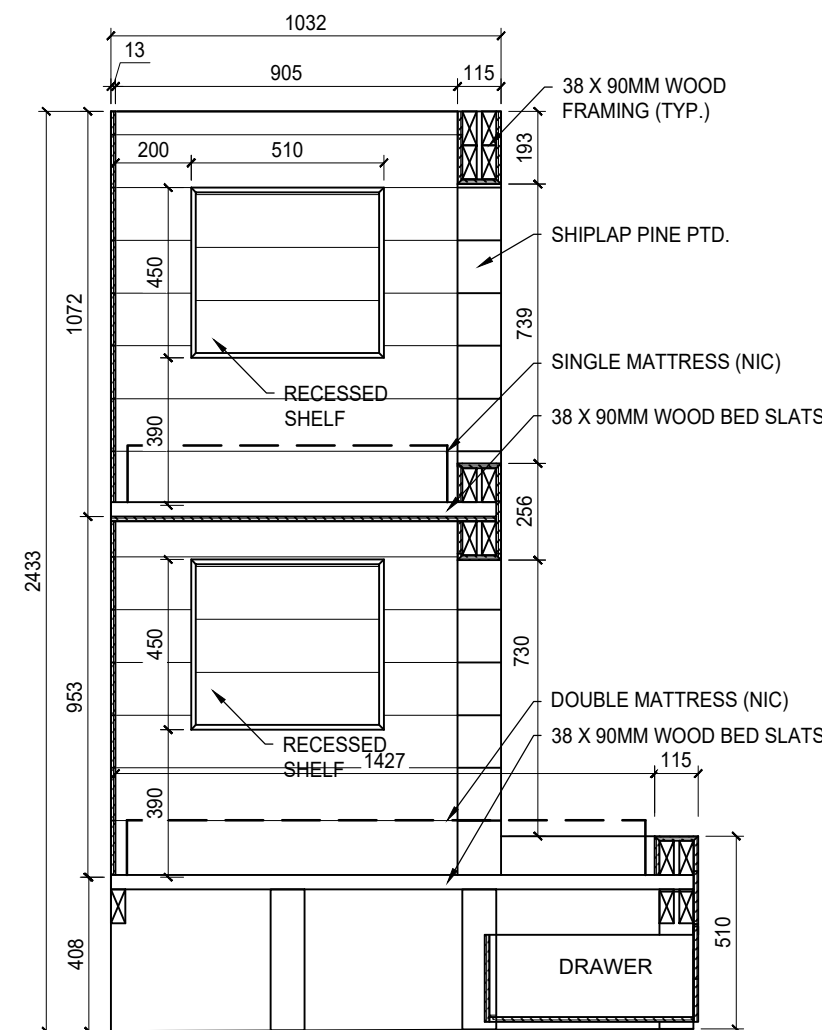
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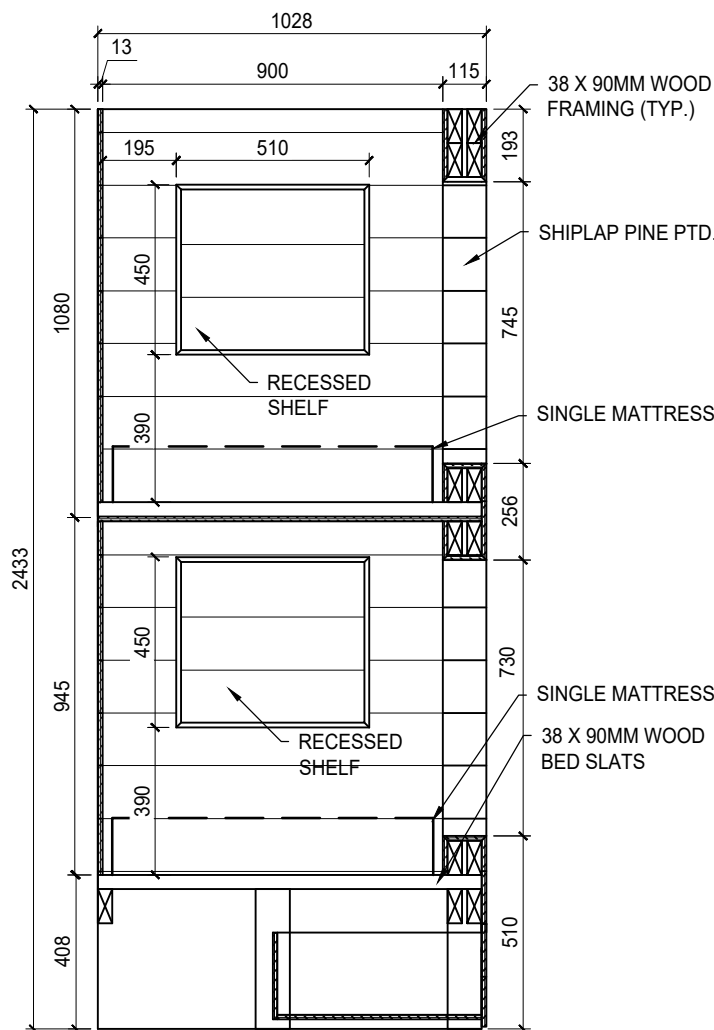
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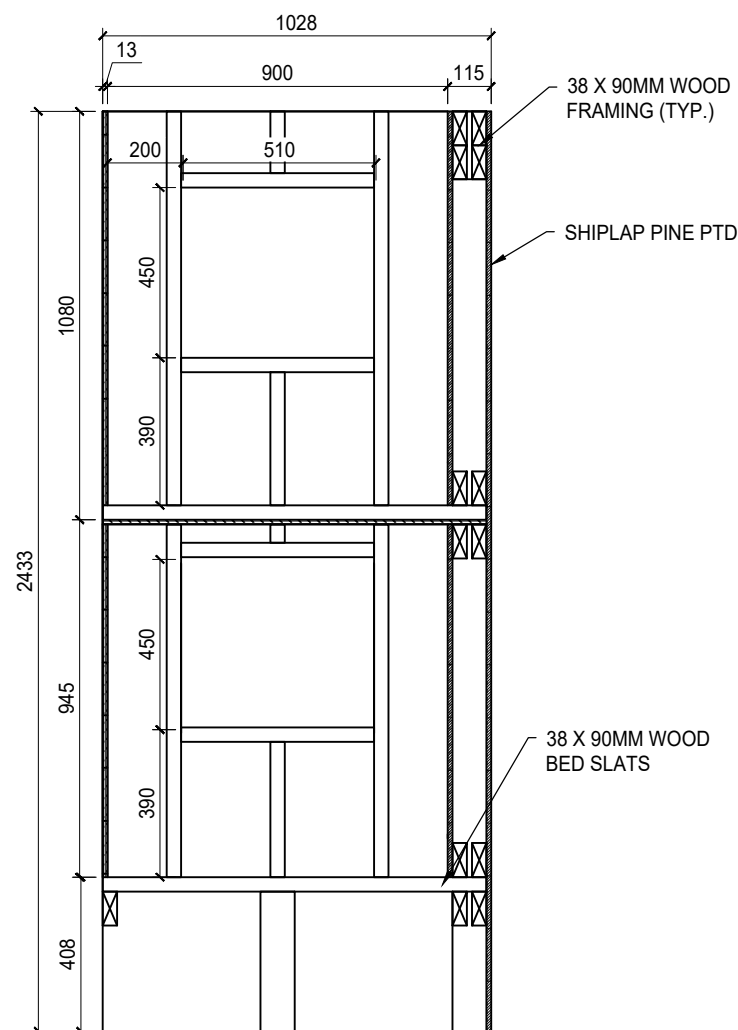
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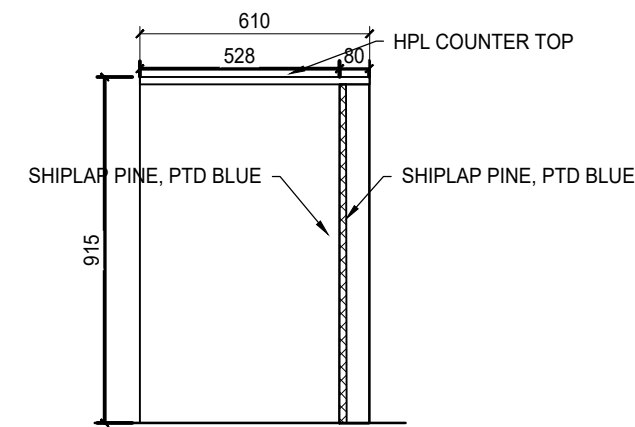
13A SINGLE/DOUBLE BUNKBED  
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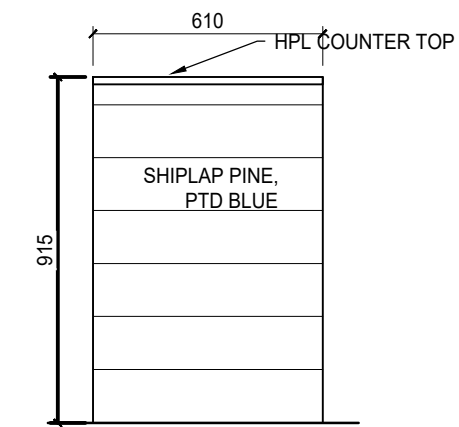
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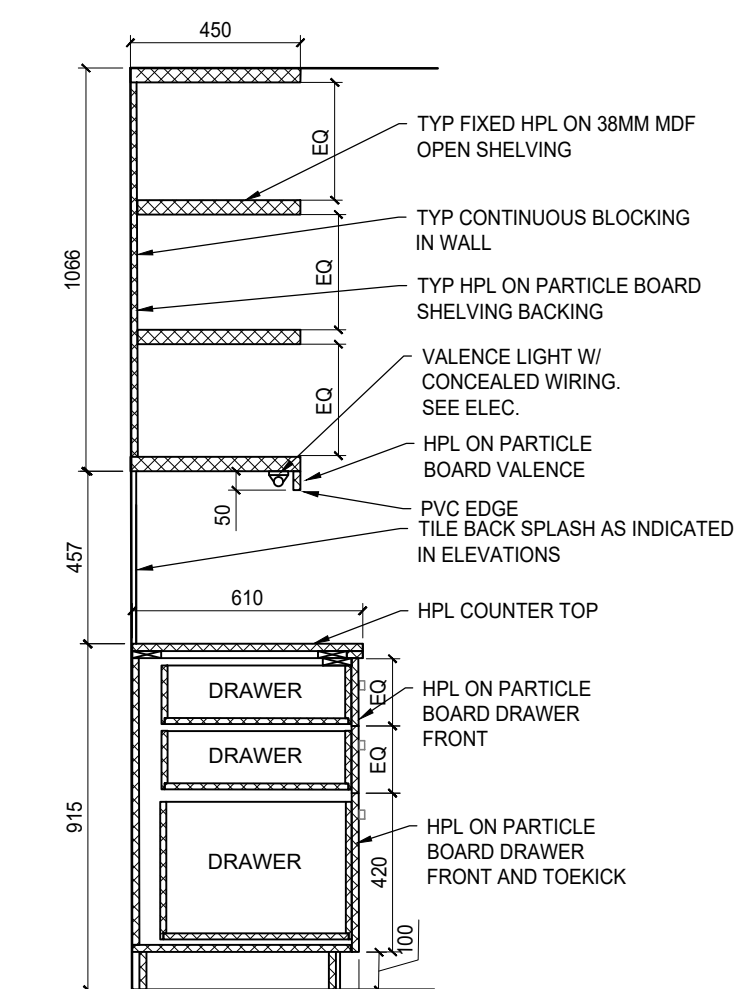
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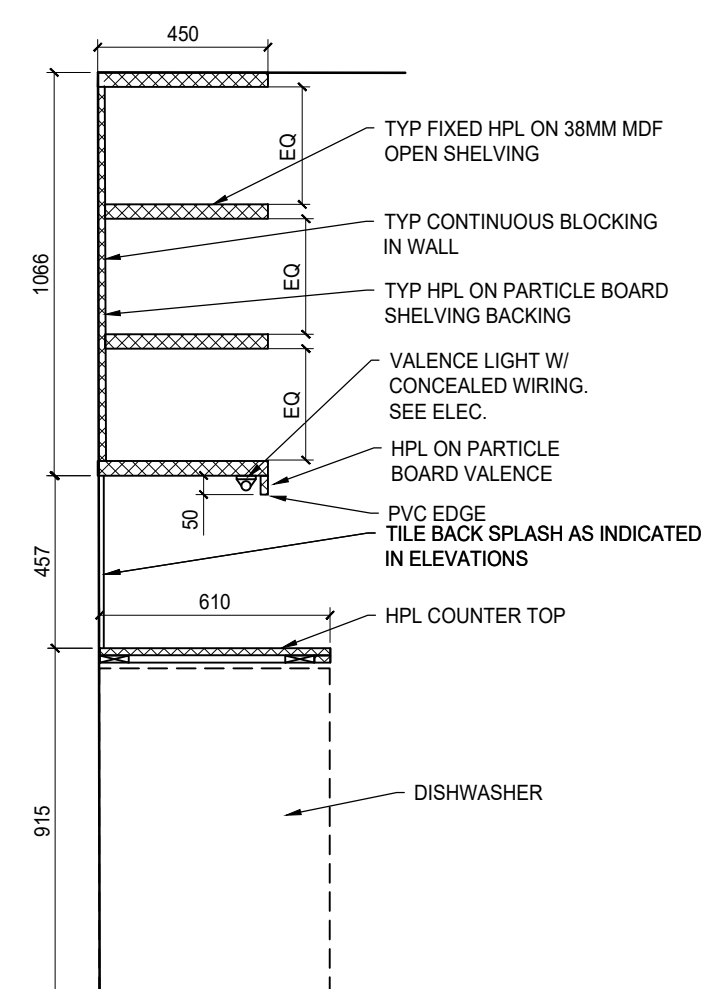
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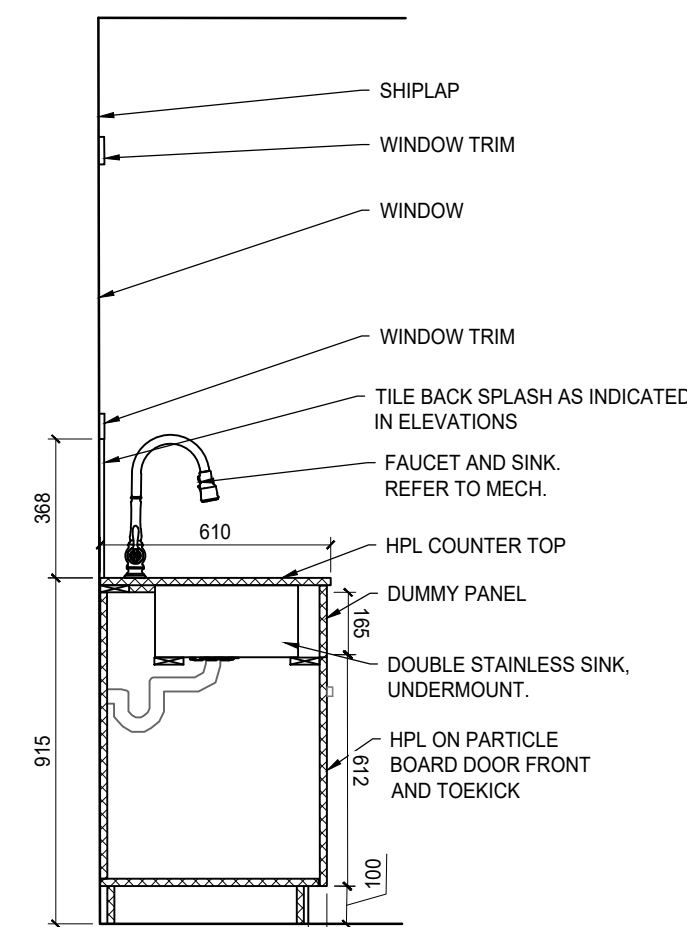
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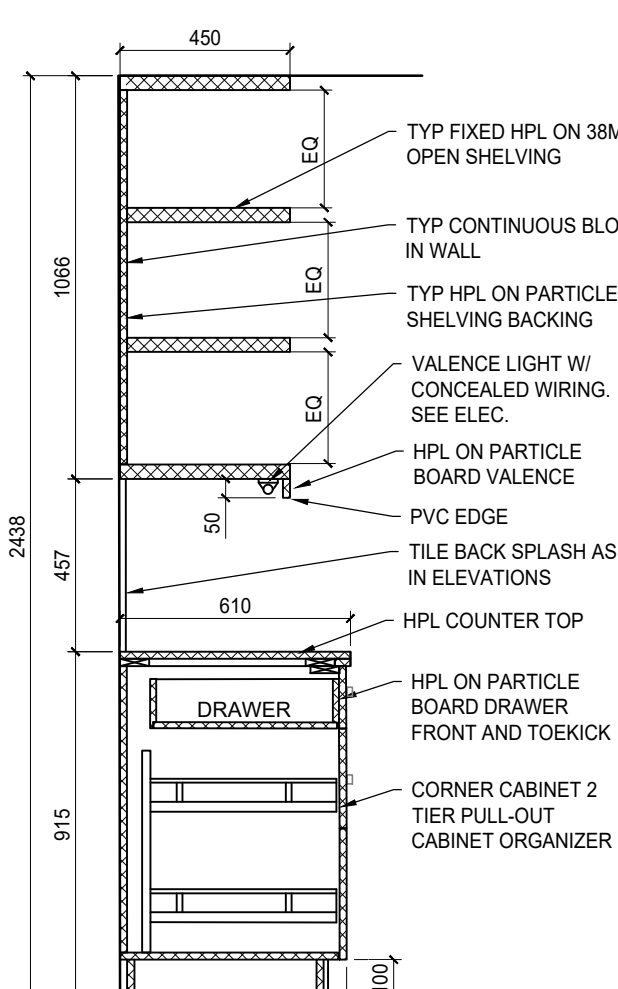
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A8.2 SCALE: 1:20



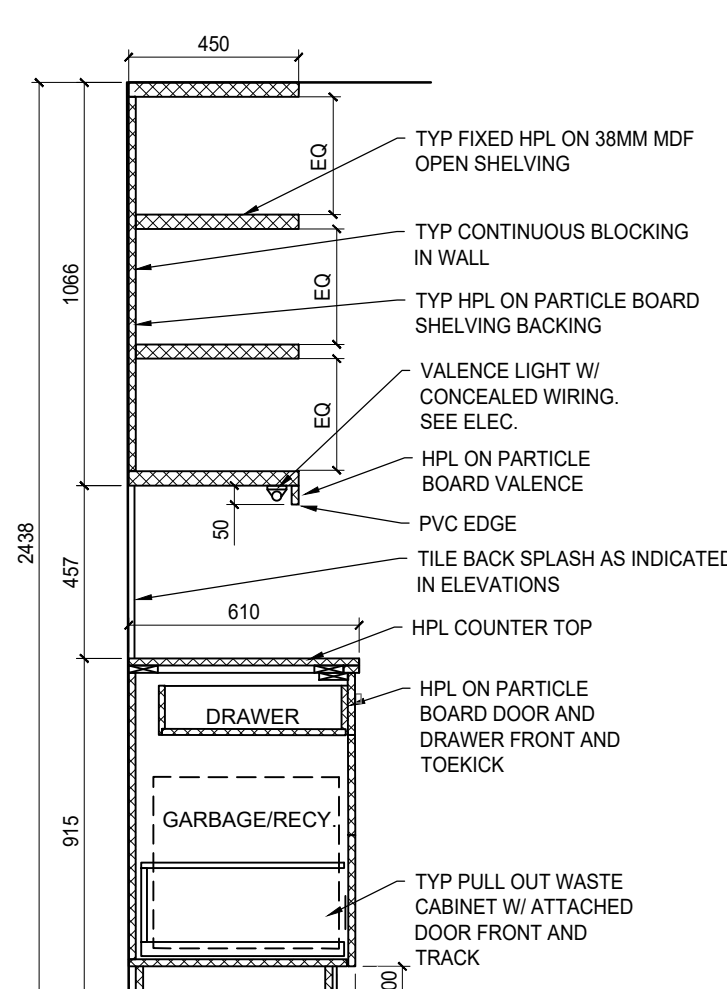
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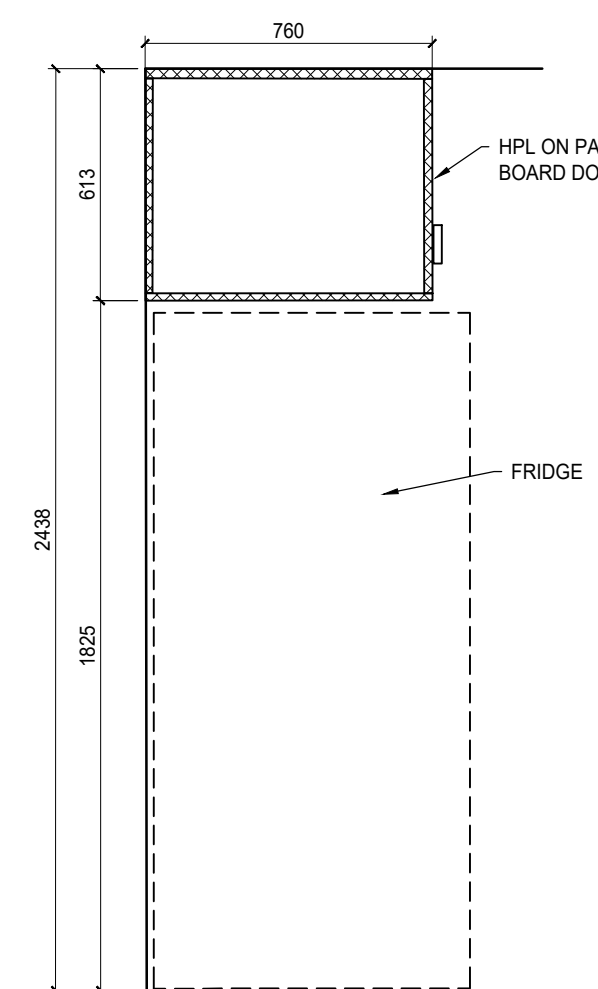
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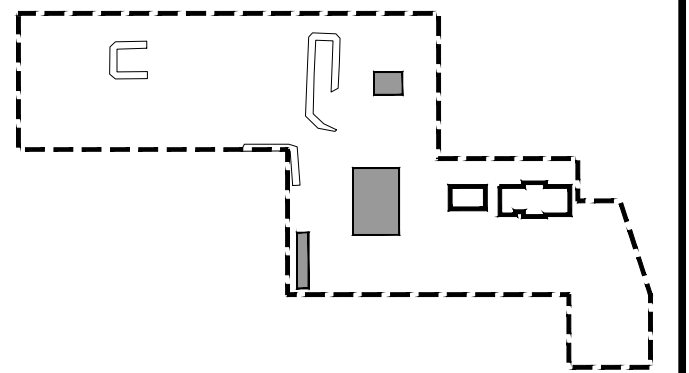
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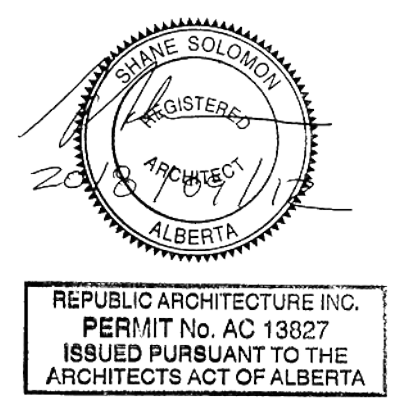
21 KITCHEN OPEN SHELVING AND GAR/RECY. CABINET  
A8.2 SCALE: 1:20



22 FRIDGE AND UPPER CABINETS  
A8.2 SCALE: 1:20



KEY PLAN  
SCALE: 1:2500  
PROPERTY LINE  
AREA OF WORK  
BUILDINGS NOT IN CONTRACT



Revision	Description	Date
2	Issued for Construction	2018 09 12
1	99% Construction Documents Submission	2018 08 21
0	66% Construction Documents Submission	2018 07 26

Client  
**PWGC / TPSGC**  
**ATB Place North Tower**  
**10025 Jasper Ave, 5th Floor**  
**Edmonton, Alberta T5J 1S6**

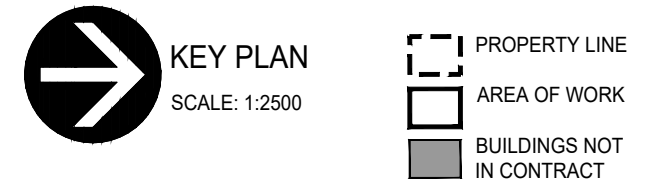
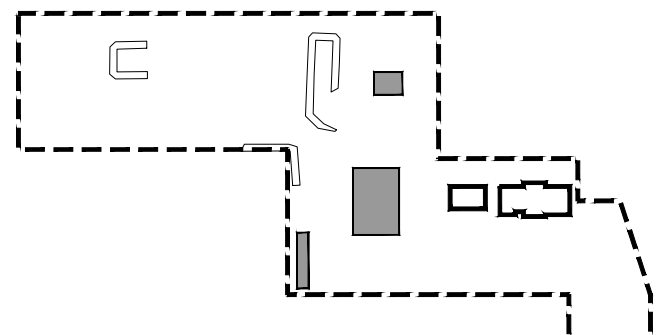
Project title  
**SECTION 25, NE CORNER, TOWNSHIP ONE,**  
**RANGE 30, WEST OF THE 4TH**  
**WATERTON, ALBERTA**  
**WLNP ALPINE STABLES RECONSTRUCTION**  
**ALPINE COTTAGE**  
**AND BUNKHOUSE**

Designed by  
**MS**  
Drawn by  
**HA**  
Approved by  
**JR**  
PWGC Project Manager  
**MICHAEL LYZANOWSKI**

Drawing title  
**BUNKHOUSE**  
**INTERIOR ELEVATIONS AND SECTIONS**

Project no.	Drawing no.	Revision no.
<b>R.096286.001</b>	<b>A8.2</b>	<b>2</b>





KEY PLAN  
SCALE: 1:2500

PROPERTY LINE  
AREA OF WORK  
BUILDINGS NOT  
IN CONTRACT



REPUBLIC ARCHITECTURE INC.  
PERMIT No. AC 13827  
ISSUED PURSUANT TO THE  
ARCHITECTS ACT OF ALBERTA

Revision	Description	Date
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Client

**PWGS / TPSGC**

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10025 Jasper Ave, 5th Floor  
Edmonton, Alberta T5J 1S6**

Project title  
**SECTION 25, NE CORNER, TOWNSHIP ONE,  
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WATERTON, ALBERTA**

**WLNP ALPINE STABLES RECONSTRUCTION  
ALPINE COTTAGE  
AND BUNKHOUSE**

Designed by  
**MS**

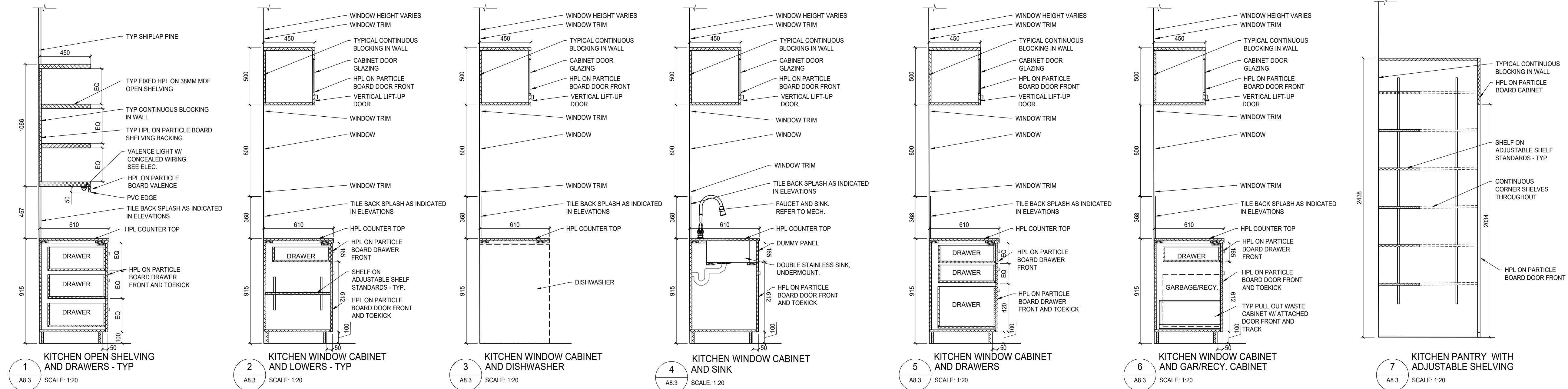
Drawn by  
**HA**

Approved by  
**JR**

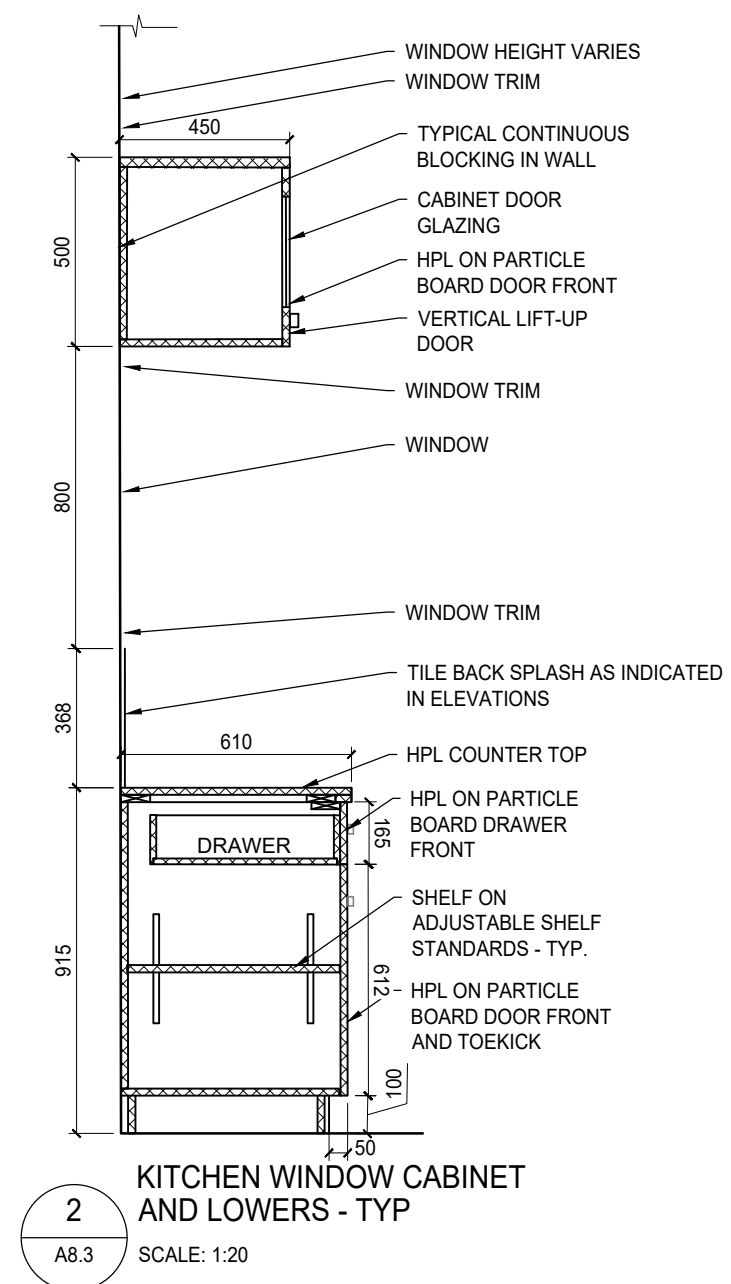
PWSSC Project Manager  
**MICHAEL L'YZANWISKI**

Drawing title  
**ALPINE COTTAGE  
MILLWORK SECTIONS**

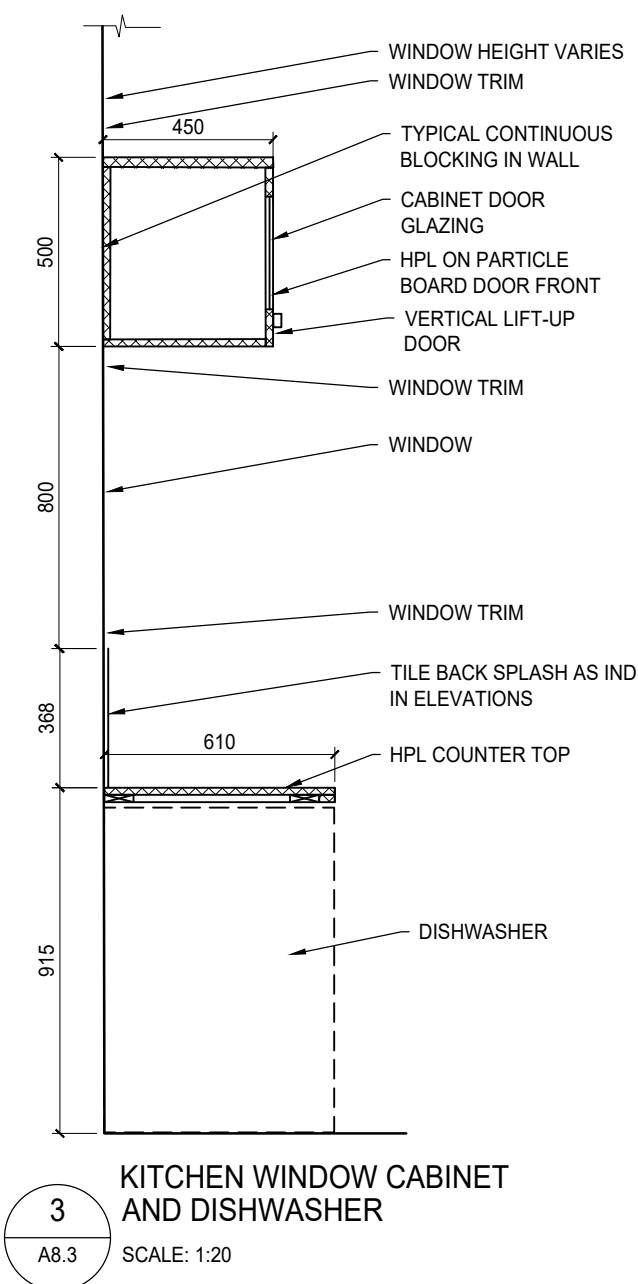
Project no.	Drawing no.	Revision no.
<b>R.096286.001</b>	<b>A8.3</b>	<b>2</b>



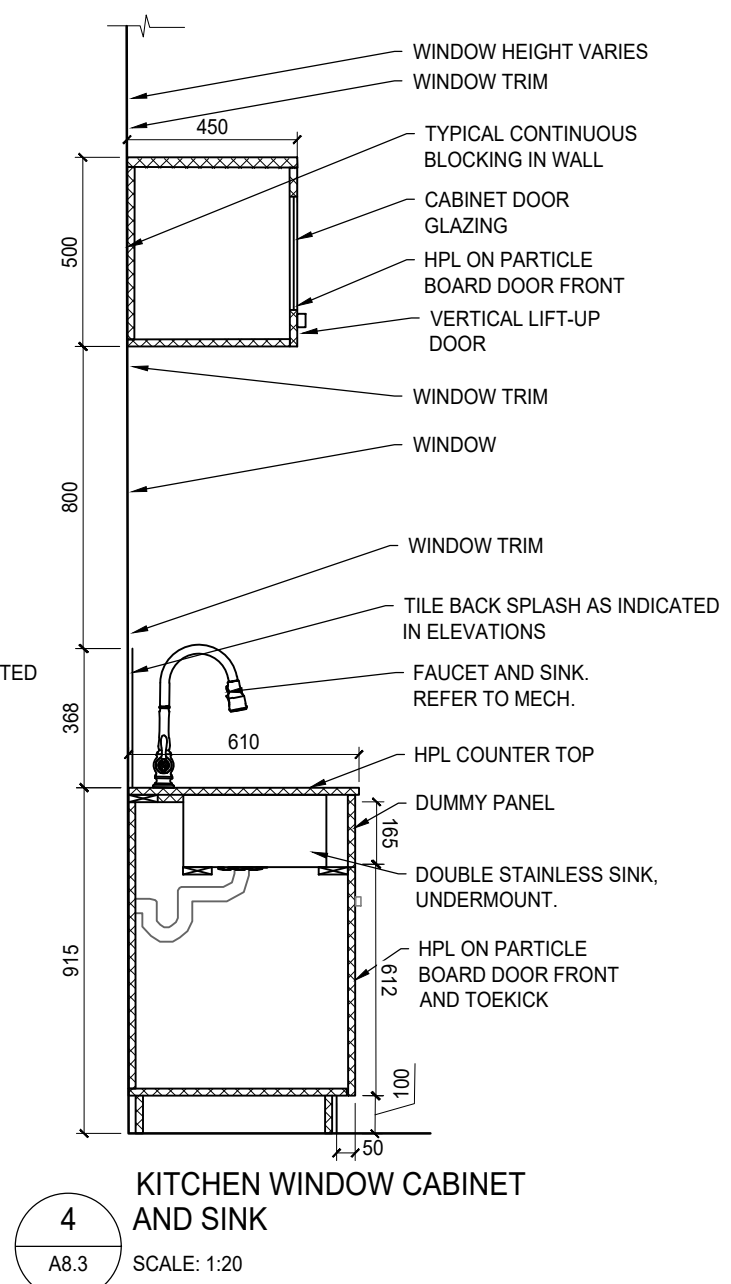
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A8.3  
KITCHEN OPEN SHELVING  
AND DRAWERS - TYP  
SCALE: 1:20



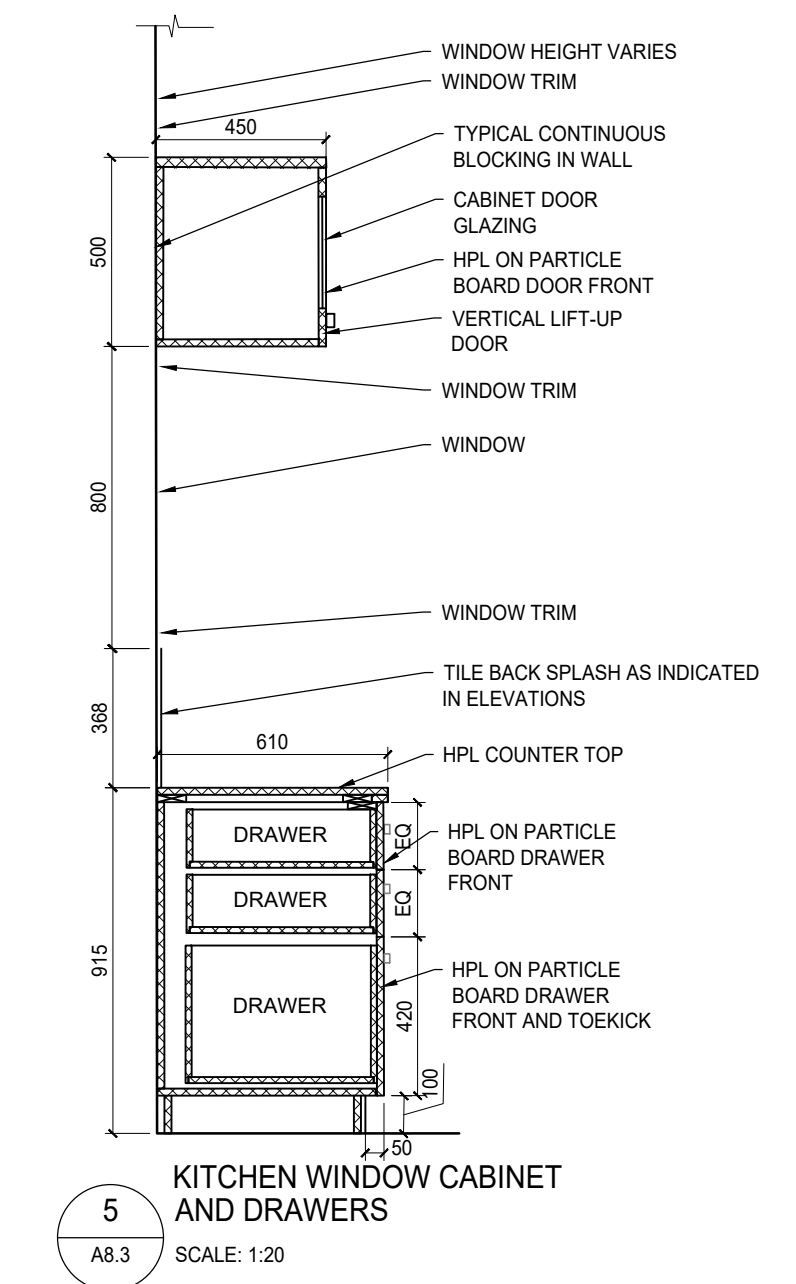
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KITCHEN WINDOW CABINET  
AND LOWERS - TYP  
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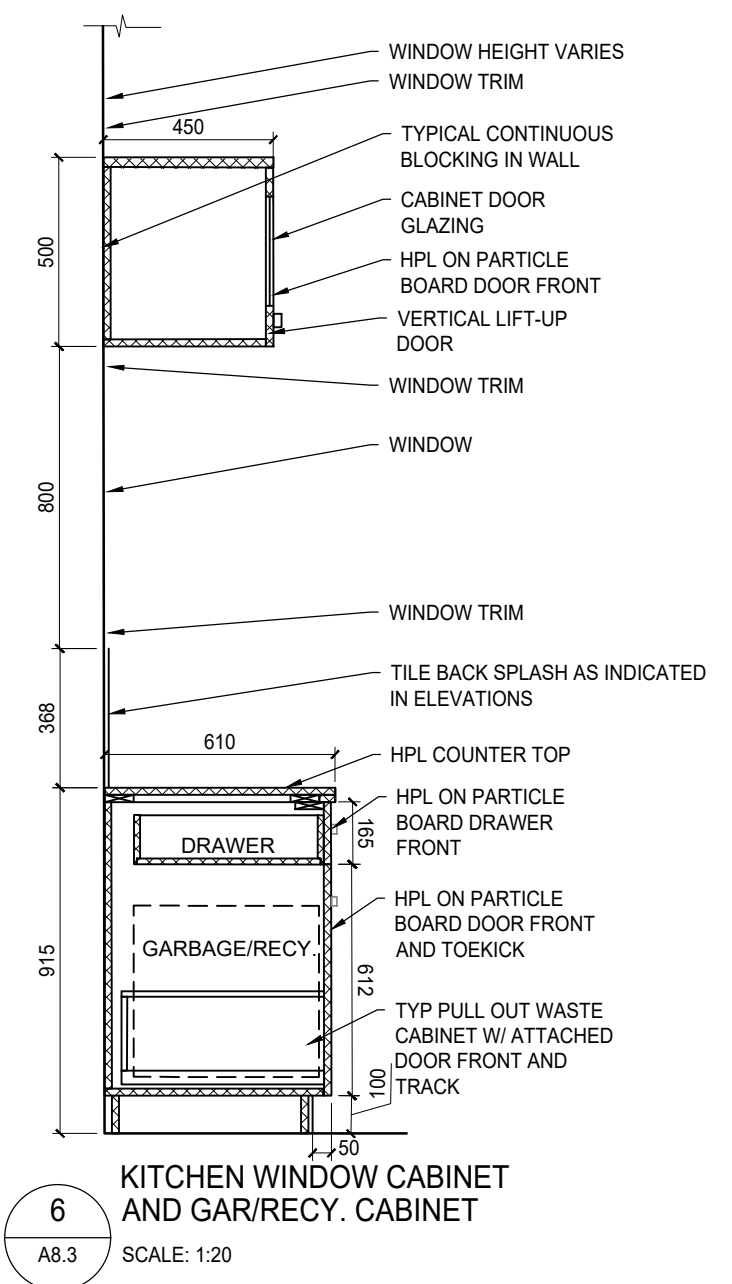
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KITCHEN WINDOW CABINET  
AND DISHWASHER  
SCALE: 1:20



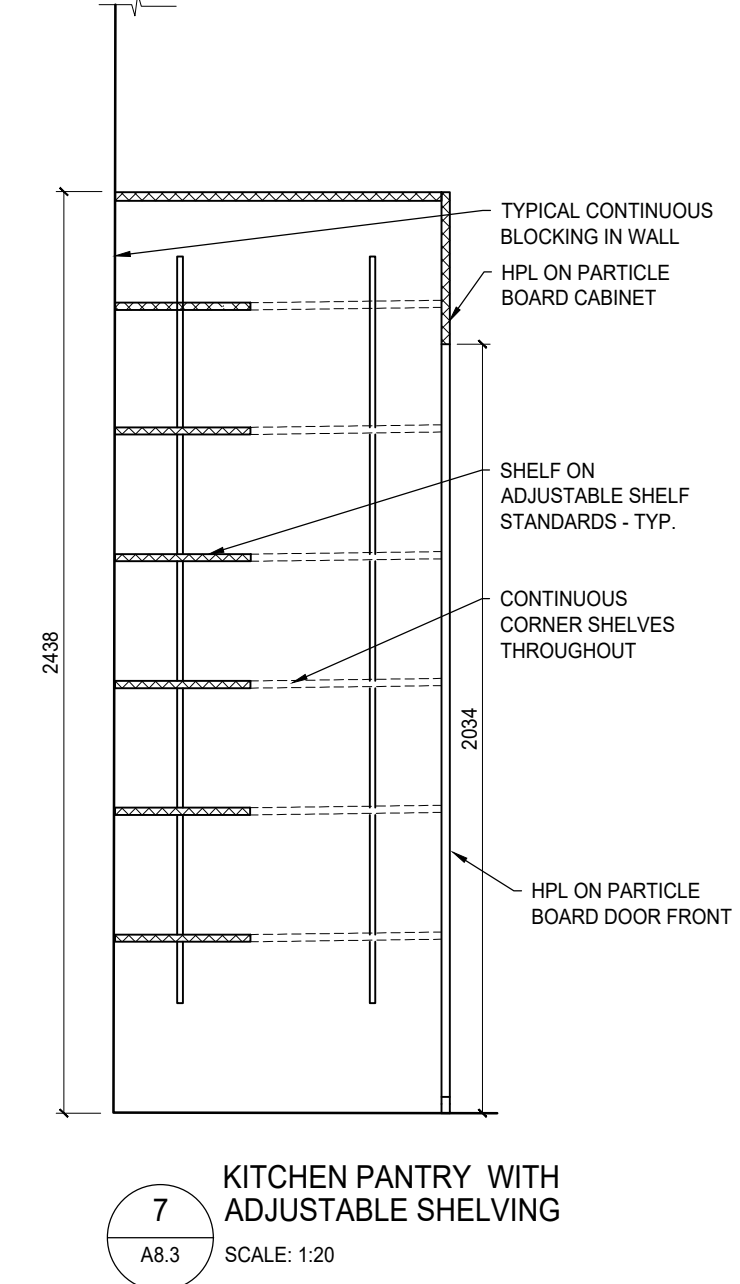
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KITCHEN WINDOW CABINET  
AND SINK  
SCALE: 1:20



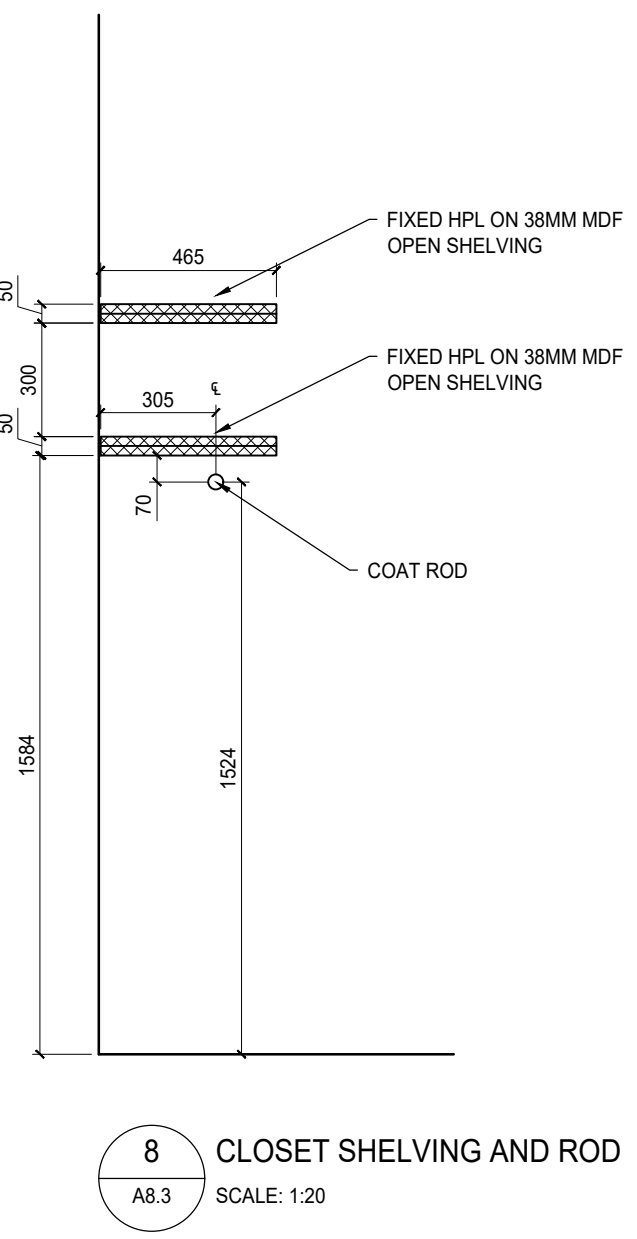
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KITCHEN WINDOW CABINET  
AND DRAWERS  
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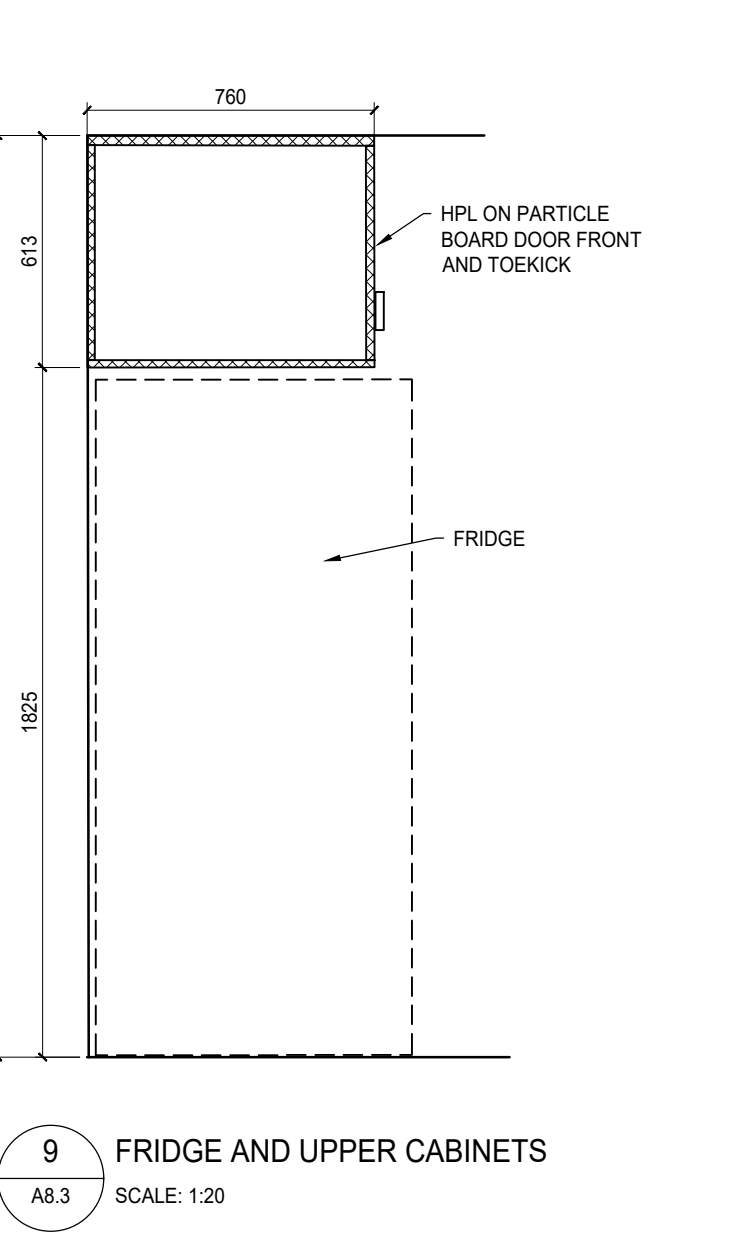
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KITCHEN WINDOW CABINET  
AND GAR/RECY. CABINET  
SCALE: 1:20



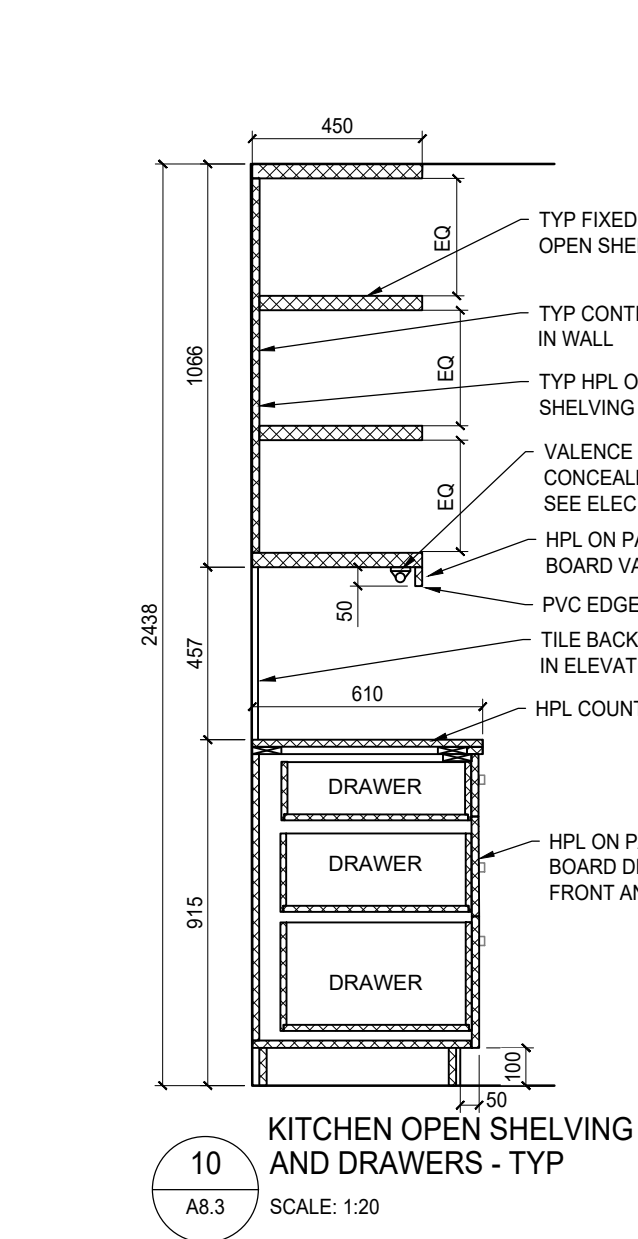
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KITCHEN PANTRY WITH  
ADJUSTABLE SHELVING  
SCALE: 1:20



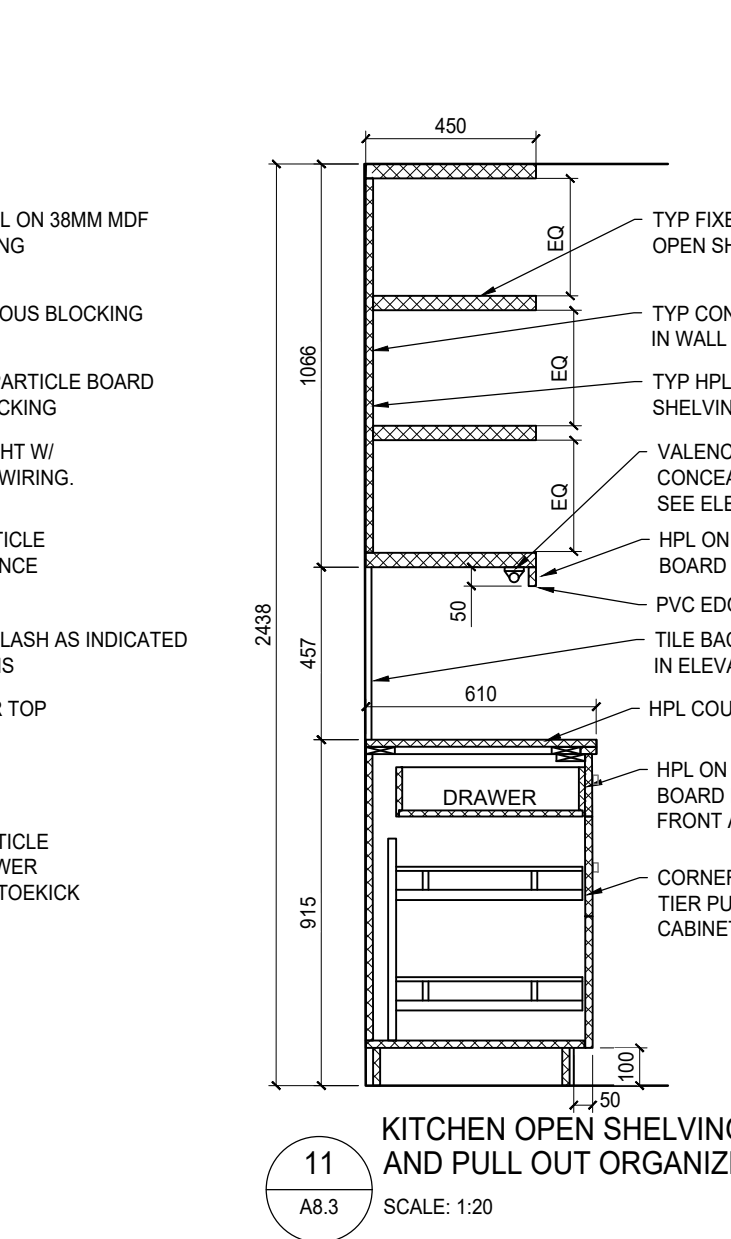
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CLOSET SHELVING AND ROD  
SCALE: 1:20



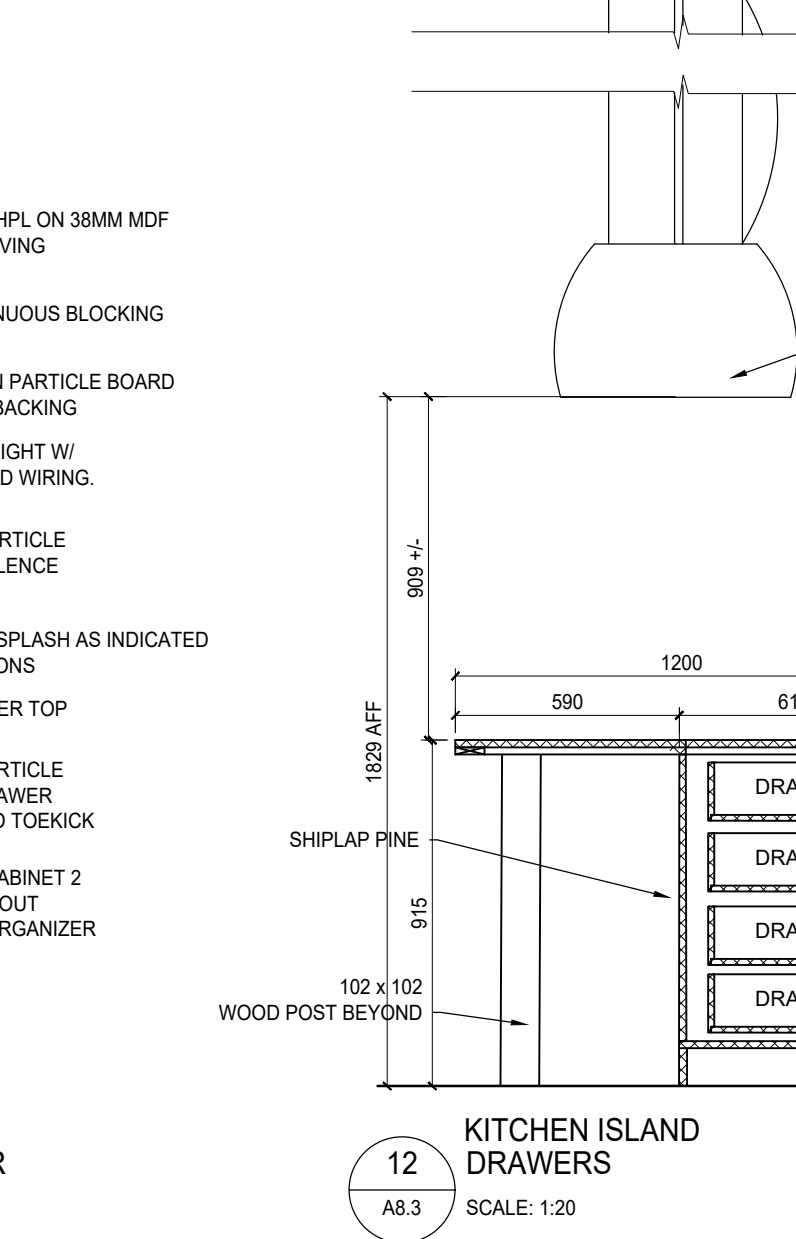
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FRIDGE AND UPPER CABINETS  
SCALE: 1:20



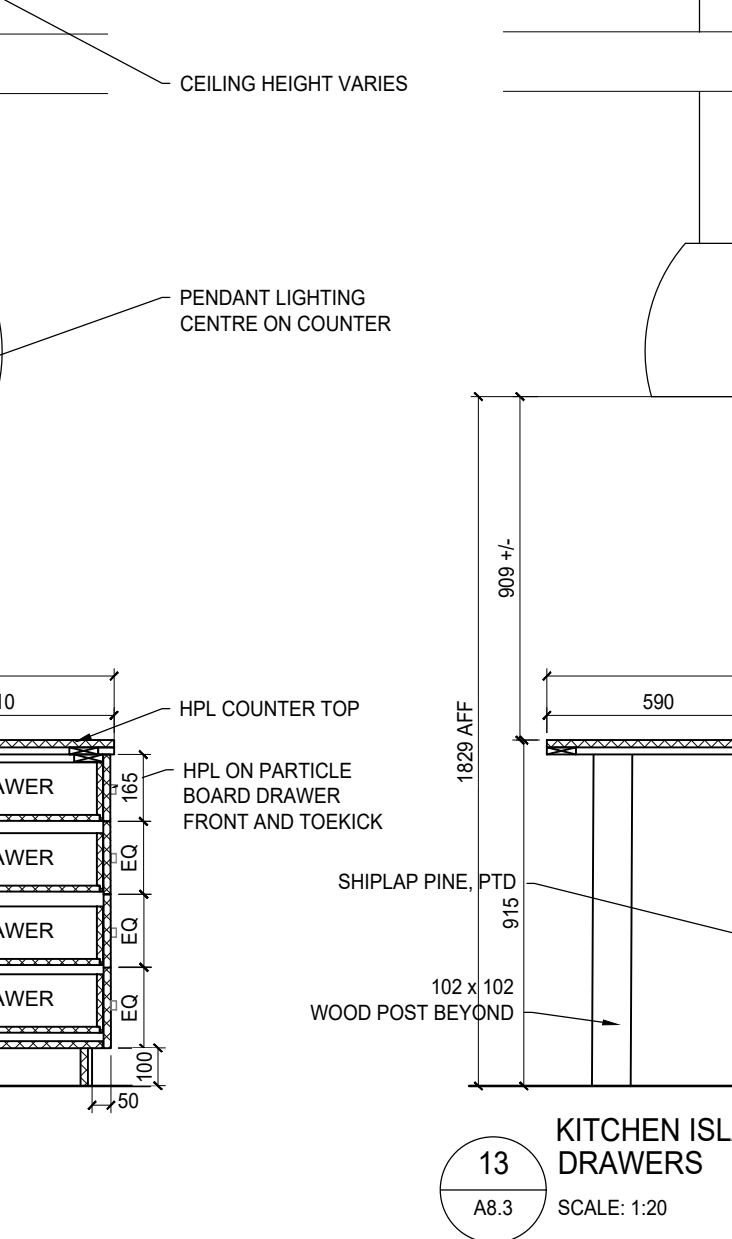
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KITCHEN OPEN SHELVING  
AND DRAWERS - TYP  
SCALE: 1:20



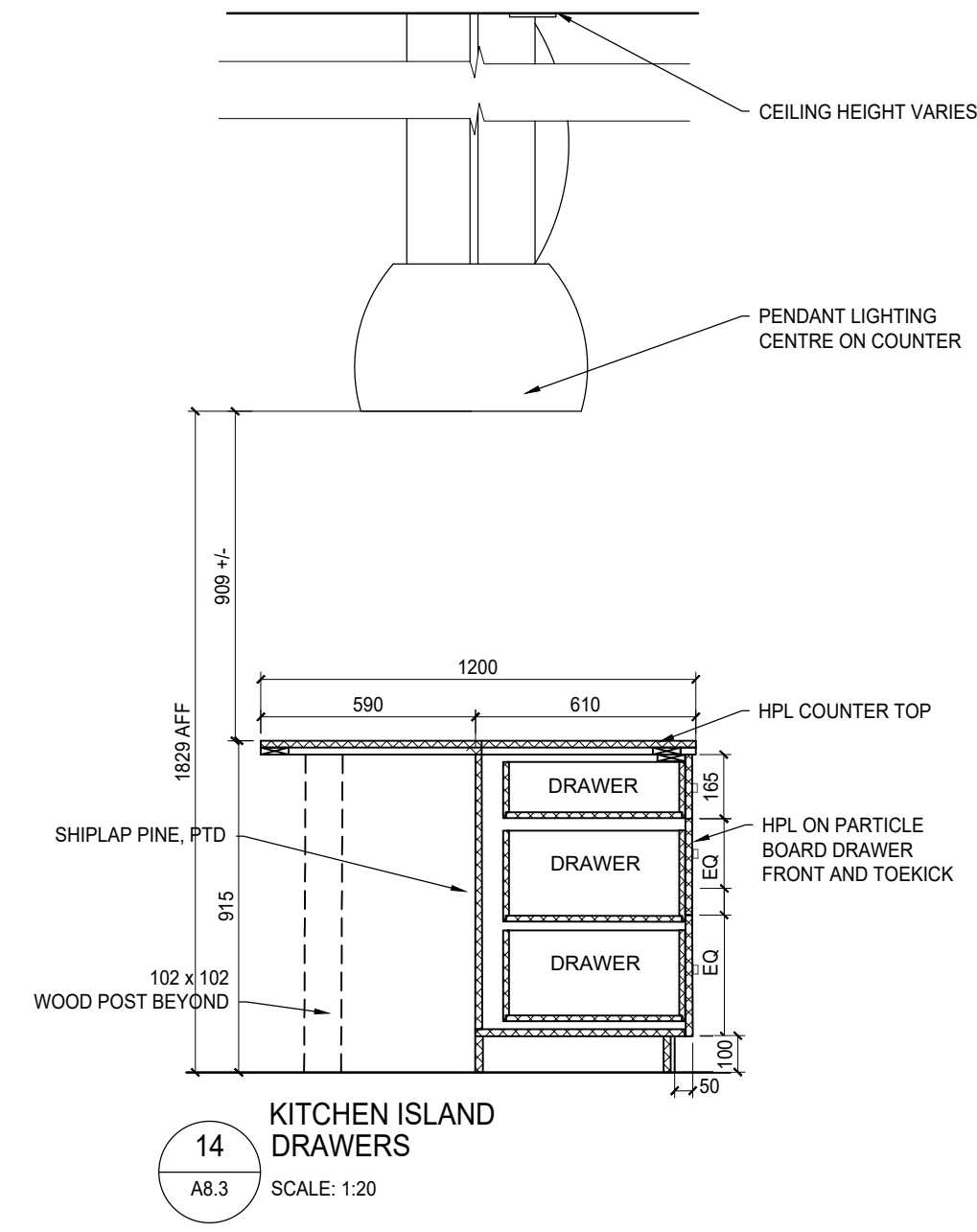
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KITCHEN OPEN SHELVING  
AND PULL OUT ORGANIZER  
SCALE: 1:20



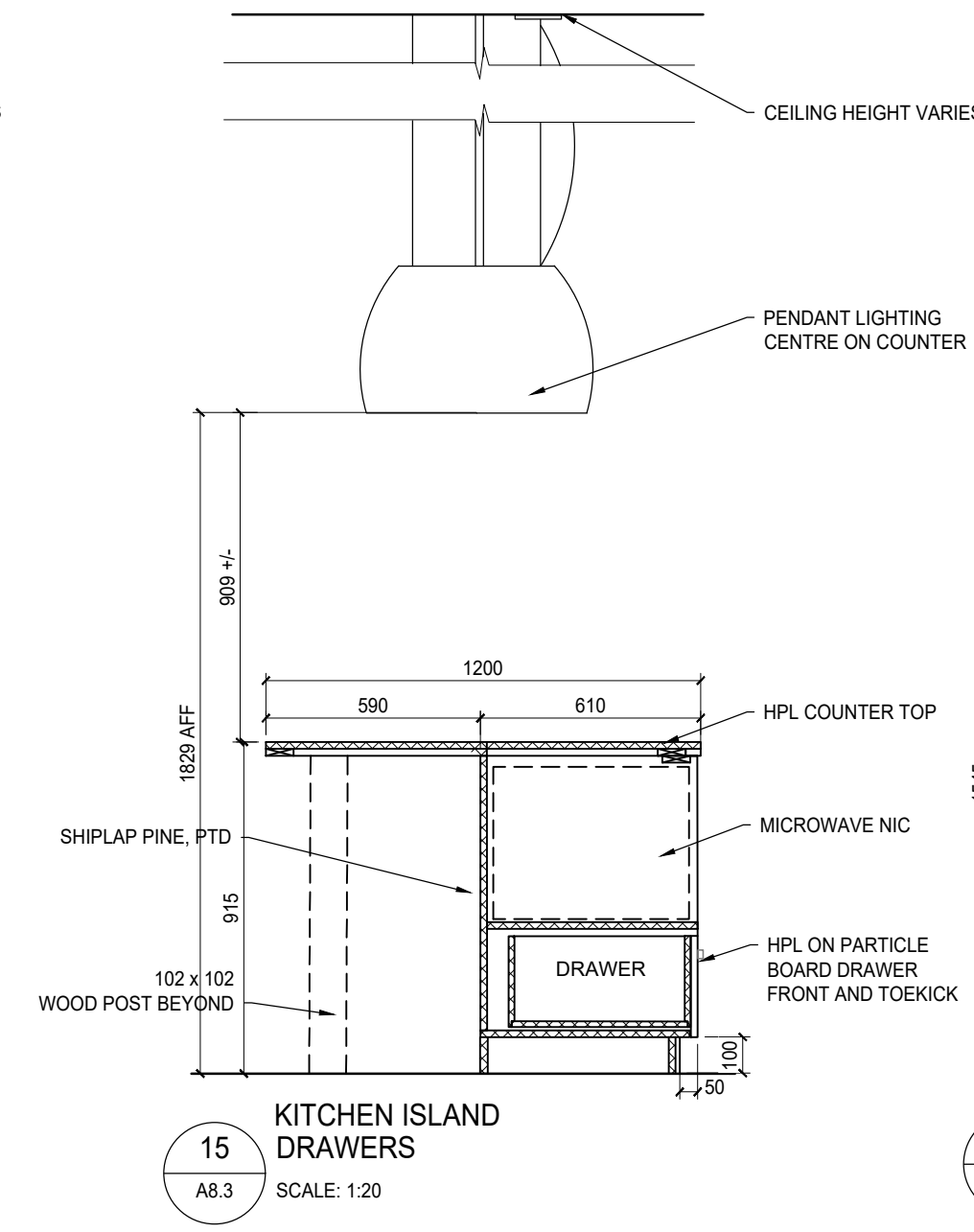
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KITCHEN ISLAND  
DRAWERS  
SCALE: 1:20



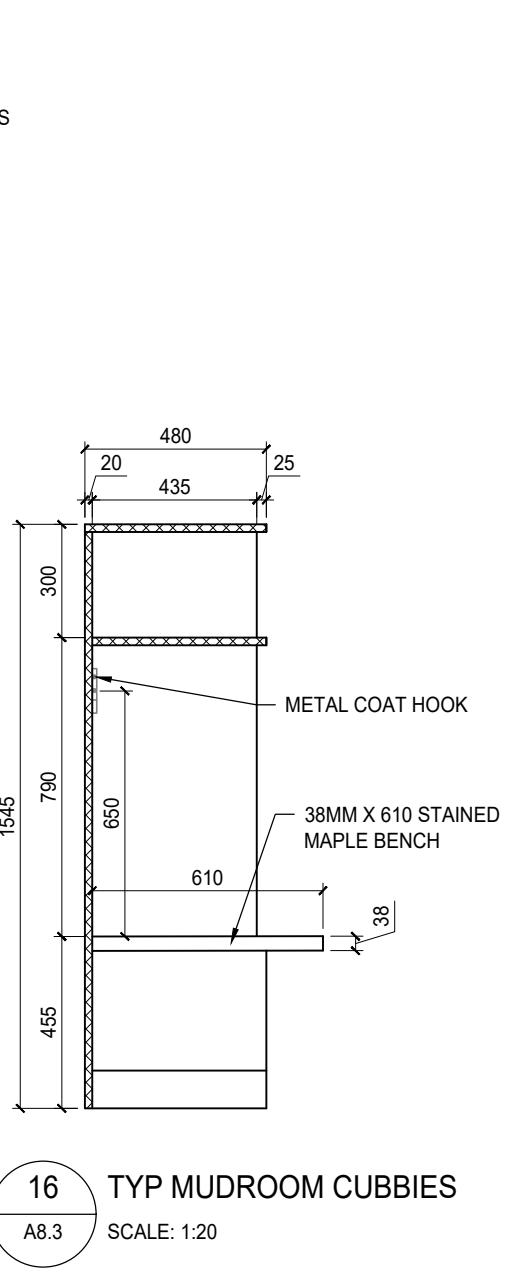
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A8.3  
KITCHEN ISLAND  
DRAWERS  
SCALE: 1:20



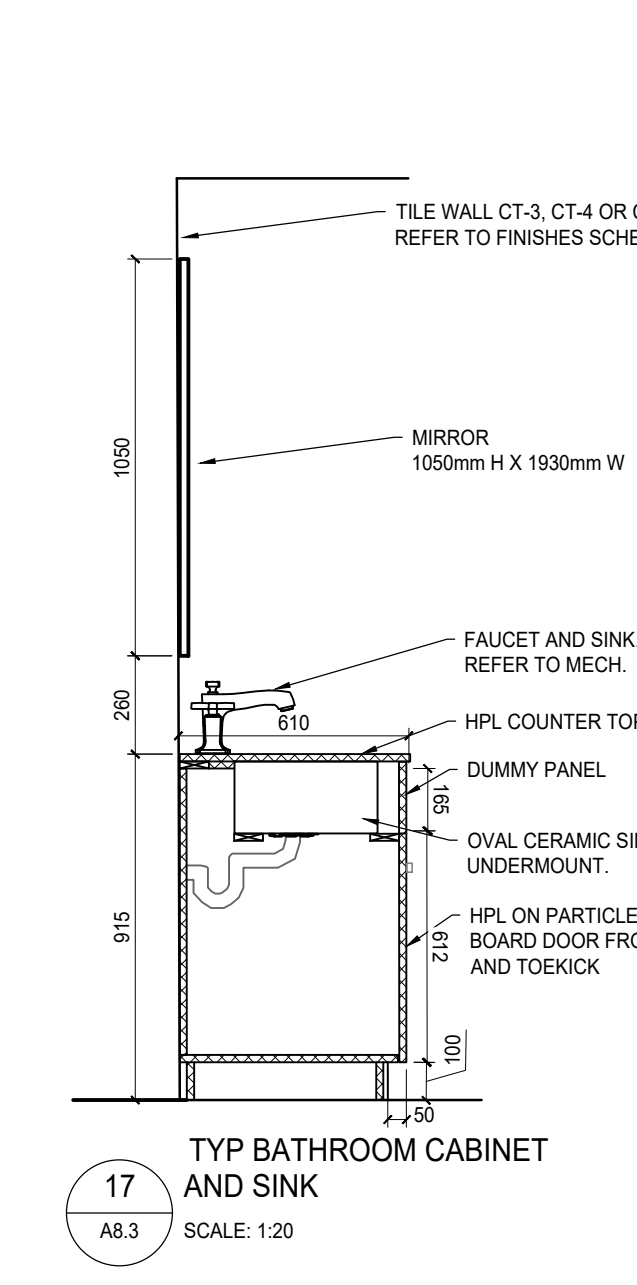
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KITCHEN ISLAND  
DRAWERS  
SCALE: 1:20



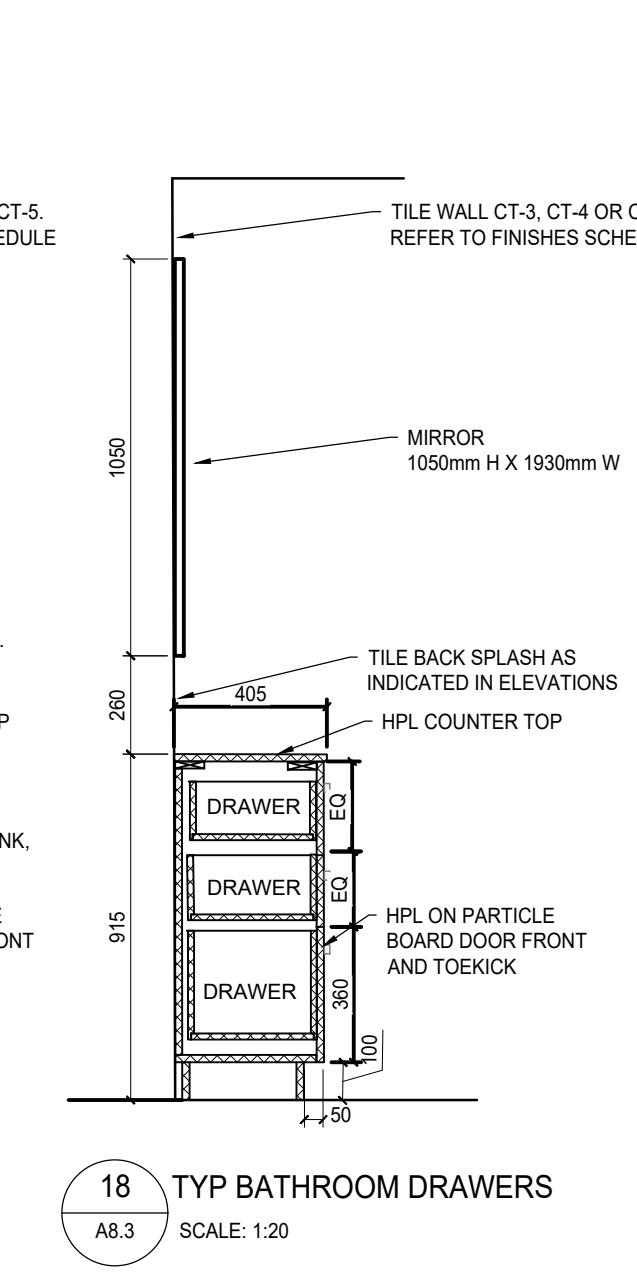
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KITCHEN ISLAND  
DRAWERS  
SCALE: 1:20



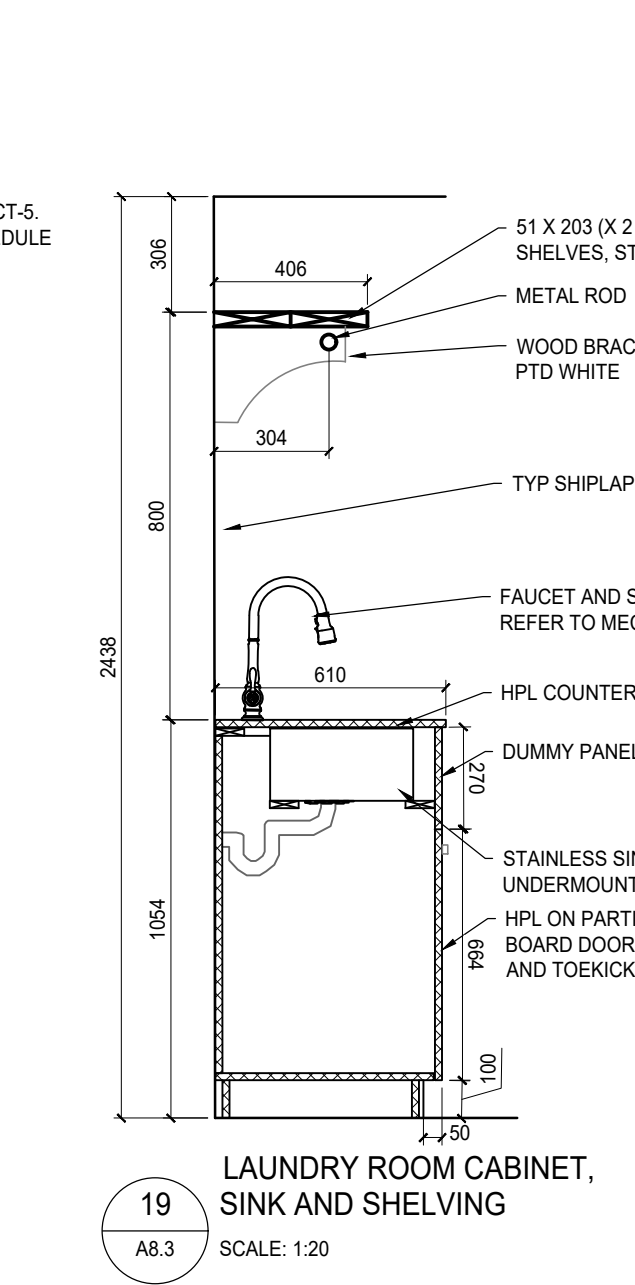
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TYP MUDROOM CUBBIES  
SCALE: 1:20



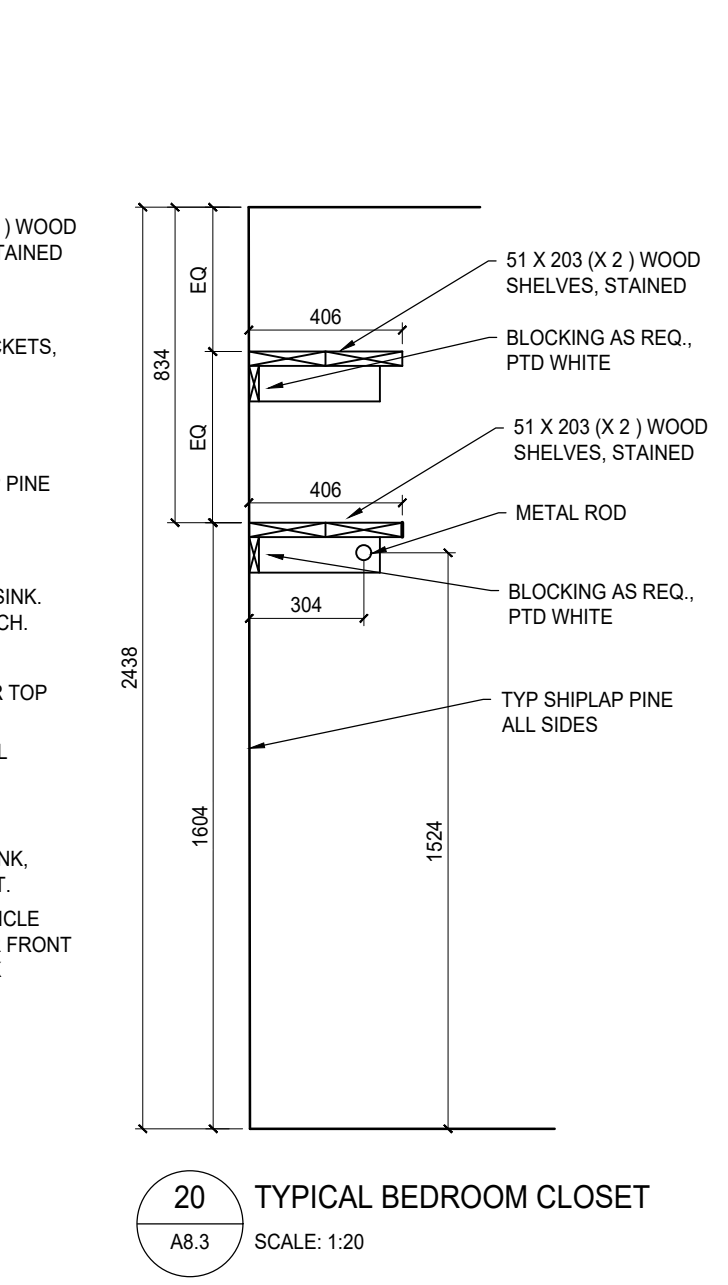
**17**  
A8.3  
TYP BATHROOM CABINET  
AND SINK  
SCALE: 1:20



**18**  
A8.3  
TYP BATHROOM DRAWERS  
SCALE: 1:20



**19**  
A8.3  
LAUNDRY ROOM CABINET,  
SINK AND SHELVING  
SCALE: 1:20

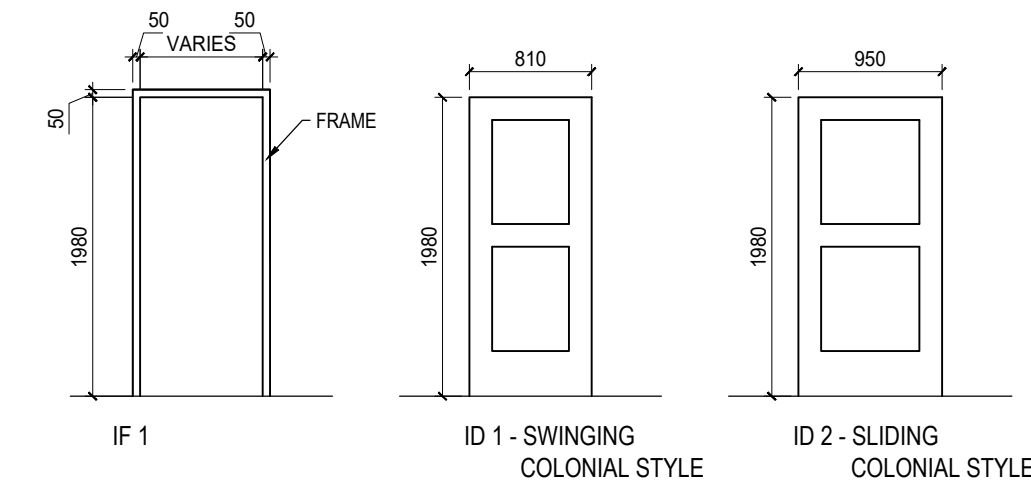


**20**  
A8.3  
TYPICAL BEDROOM CLOSET  
SCALE: 1:20



ALPINE COTTAGE AND BUNKHOUSE  
FINISHES SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	WALL								CEILING		NOTES	
		MAT	MAT	NORTH		EAST		SOUTH		WEST		MAT	FINISH		
				MAT	FINISH	MAT	FINISH	MAT	FINISH	MAT	FINISH				
	ALPINE COTTAGE														
01	Bedroom	LVT	MDF	SHP	PTD	SHP	PTD	SHP	PTD	SHP	PTD	SHP	PTD		
03	Mud Room	CT1	MDF	SHP	PTD	SHP	PTD	SHP	PTD	SHP	PTD	SHP	PTD		
02	Laundry	LVT	MDF	SHP	PTD	SHP	PTD	SHP	PTD	SHP	PTD	SHP	PTD		
04	Living/Dining	LVT/CT1	MDF	SHP/CT1	PTD	-	-	SHP	PTD	SHP	PTD	SHP	PTD		
05	Washroom	CT1	CT1	CT3	-	CT3	-	SHP/CT3	PTD	SHP	PTD	GWB	PTD		
06	Bedroom	LVT	MDF	SHP	PTD	SHP	PTD	SHP	PTD	SHP	PTD	SHP	PTD		
07	Bedroom	LVT	MDF	SHP	PTD	SHP	PTD	SHP	PTD	SHP	PTD	SHP	PTD		
08	Corridor	LVT	MDF	SHP	PTD	SHP	PTD	-	-	SHP	PTD	SHP	PTD		
09	Bedroom	LVT	MDF	SHP	PTD	SHP	PTD	SHP	PTD	SHP	PTD	SHP	PTD		
10	Washroom	CT1	CT1	SHP/CT4	PTD	CT4	-	CT4	-	SHP	PTD	GWB	PTD		
11	Bedroom	LVT	MDF	SHP	PTD	SHP	PTD	SHP	PTD	SHP	PTD	SHP	PTD		
12	Kitchen	LVT	MDF	SHP/CT2	PTD	SHP/CT2	PTD	SHP/CT2	PTD	-	-	SHP	PTD		
13	Entrance	CT1	MDF	-	-	SHP	PTD	SHP	PTD	SHP	PTD	SHP	PTD		
14	Utility	LVT	MDF	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD		
15	Washroom	CT1	CT1	SHP/CT5	PTD	CT5	-	CT5	-	SHP	PTD	GWB	PTD		
16	Bedroom	LVT	MDF	SHP	PTD	SHP	PTD	SHP	PTD	SHP	PTD	SHP	PTD		
17	Corridor	LVT	MDF	-	-	SHP	PTD	SHP	PTD	SHP	PTD	SHP	PTD		
	BUNKHOUSE														
01	Bedroom	LVT	MDF	SHP	PTD	SHP	PTD	SHP	PTD	SHP	PTD	SHP	PTD		
02	Washroom	CT1	CT1	CT3	-	SHP	PTD	SHP/CT3	PTD	CT3	-	GWB	PTD		
03	Washroom	CT1	CT1	SHP/CT5	PTD	SHP	PTD	CT5	-	CT5	-	GWB	PTD		
04	Bedroom	LVT	MDF	SHP	PTD	SHP	PTD	SHP	PTD	SHP	PTD	SHP	PTD		
05	Bedroom	LVT	MDF	SHP	PTD	SHP	PTD	SHP	PTD	SHP	PTD	SHP	PTD		
06	Living Room	LVT	MDF	SHP	PTD	SHP	PTD	-	-	-	-	SHP	PTD		
07	Kitchen	LVT	MDF	-	-	SHP/CT2	PTD	SHP/CT2	PTD	-	-	SHP	PTD		
08	Utility	LVT	MDF	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD		
09	Mud Room	CT1	MDF	SHP	PTD	SHP	PTD	SHP	PTD	-	-	SHP	PTD		
10	Corridor	LVT	MDF	SHP	PTD	SHP	PTD	SHP	PTD	SHP	PTD	SHP	PTD		



1  
A8.4  
1:50

TYPICAL INTERIOR DOOR AND FRAME ELEVATIONS

ABBREVIATIONS

CT CERAMIC TILE  
GWB GYPSUM WALLBOARD  
PTD PAINTED  
SHP SHIPLAP PINE (5.5")  
LVT LUXERY VINYL TILE

GENERAL FINISHES NOTES

- ALL MDF BASE TO BE 150MM SQUARE PROFILE, PAINTED WHITE.
- ALL WASHROOM BASE TO BE CERAMIC TILE, 4", TO MATCH FLOOR COMPLETE WITH STAINLESS STEEL CAP.
- REFER TO ELEVATIONS AND DETAILS FOR EXACT LOCATIONS OF FINISHES.
- ALL FLOOR TILE TO BE INSTALLED STACK BOND.
- ALL KITCHEN ISLAND SHIPLAP TO BE PAINTED BLUE AS PER SPECIFICATIONS.

GENERAL DOOR NOTES

- ALL INTERIOR DOORS TO BE STAINED AS PER SPECIFICATIONS.
- ALL EXTERIOR DOORS TO BE PAINTED AS PER SPECIFICATIONS.



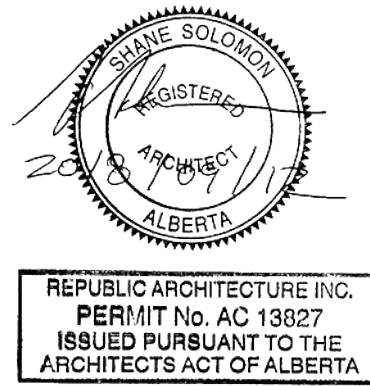
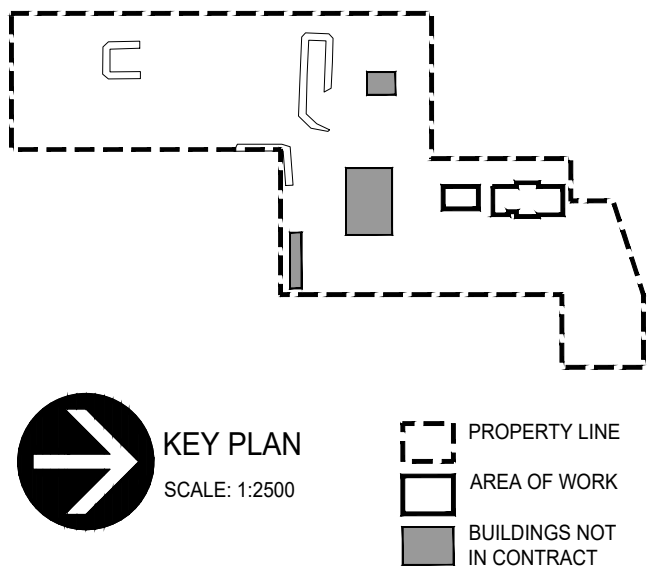
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2	Issued for Construction	2018 09 12
1	99% Construction Documents Submission	2018 08 21
0	66% Construction Documents Submission	2018 07 26
Revision	Description	Date
Client		
PWGSC / TPSGC		
ATB Place North Tower 10025 Jasper Ave, 5th Floor Edmonton, Alberta T5J 1S6		
Project title		
SECTION 25, NE CORNER, TOWNSHIP ONE, RANGE 30, WEST OF THE 4TH WATERTON, ALBERTA		
WLNP ALPINE STABLES RECONSTRUCTION ALPINE COTTAGE AND BUNKHOUSE		
Designed by MS		
Drawn by HA		
Approved by JR		
PWGSC Project Manager MICHAEL LYZANIWSKI		
Drawing title		
ALPINE COTTAGE AND BUNKHOUSE FINISHES SCHEDULE AND INTERIOR DOOR ELEVATIONS		
Project no.	Drawing no.	Revision no.
R.096286.001	A8.4	2



ABBREVIATIONS:

Ø	AT (SPACING)	GA	GAUGE	REV	REVISION, REVISED
AB	ANCHOR BOLT	GALV	GALVANIZED	RO	ROUGH OPENING
ADJ	ADJUSTABLE	GEN	GENERAL	R/W	REINFORCE WITH
AFF	ABOVE FINISHED FLOOR	GR	GRADE	SCHED	SCHEDULE
ALT	ALTERNATE	GRAN	GRANULAR	SECT	SECTION
ARCH	ARCHITECT, ARCHITECTURAL	H	HIGH	SIM	SIMILAR
BOT, B	BOTTOM	H	HORIZONTAL FORCE (UNFACTORED)	SJ	STRUT JOIST
B PL	BASE PLATE	HC	HOLLOW CORE	S1E	STRUT ONE END
BC	BOTTOM CHORD	HEX	HEXAGON	SL	SLAB
BD	BOARD	HORIZ	HORIZONTAL	SOG	SLAB ON GRADE
BTWN	BETWEEN	HF	HORIZONTAL FORCE (FACTORED)	SPEC	SPECIFICATIONS
BLDG	BUILDING	HM	HOLLOW METAL	SPF	SPRUCE-PINE-FIR
BLK	BLOCK	HP	HIGH POINT	SQ	SQUARE
BLL	BOTTOM LOWER LAYER	HT	HEIGHT	STD	STANDARD
BM	BEAM	IC	IN CENTRE	STR	STAIR
BRDG	BRIDGING	ID	INSIDE DIAMETER	STIFF	STIFFENER
BRG	BEARING	I/F	INSIDE FACE	STIR	STIRRUP
BRG PL	BEARING PLATE	INSUL	INSULATION	STL	STEEL
BS	BOTH SIDES	INT	INTERIOR	STRUCT	STRUCTURAL
BSMT	BASEMENT	JST	JOIST	SYM	SYMMETRICAL
BUL	BOTTOM UPPER LAYER	JT	JOINT	T	TENSION (UNFACTORED)
C	COMPRESSION (UNFACTORED)	kg	KILOGRAM	T	TOP
C/C	CENTRE TO CENTRE	KIP, K	1000 LB	T/O	TOP OF
C/W	COMPLETE WITH	KLF	kip(s) PER LINEAL FOOT	T&B	TOP & BOTTOM
CL	CENTRE LINE	KN	KILONEWTON	TEMP	TEMPORARY
CANT	CANTILEVER	KO	KNOCKOUT	TF	TENSION FORCE (FACTORED)
CAP.	CAPACITY	kPa	KILOPASCAL	THRU	THROUGH
CEM	CEMENT	KSF	kip(s) PER SQUARE FOOT	TJ	TIE JOIST
CF	COMPRESSIVE FORCE (FACTORED)	KSI	kip(s) PER SQUARE INCH	TLL	TOP LOWER LAYER
CHAN	CHANNEL	L	LOW	TRANS	TRANSVERSE
CI	CAST IRON	LB, #	POUND(S)	TS	TEMPERATURE STEEL
CIP	CAST IN PLACE	LG	LONG	TUL	TOP UPPER LAYER
CJ	CONTROL JOINT	LL	LIVE LOAD	TYP	TYPICAL
CLR	CLEAR	LL	LOWER LAYER	UHMW	ULTRA HIGH MOLECULAR WEIGHT
CMU	CONCRETE MASONRY UNIT	LLV	LONG LEG VERTICAL	UL	UPPER LAYER
COL	COLUMN	LLH	LONG LEG HORIZONTAL	U/N	UNLESS OTHERWISE NOTED
COMP	COMPOSITE	LONG	LONGITUDINAL	U/S	UNDERSIDE
CONC	CONCRETE	LP	LOW POINT	V	VERTICAL SHEAR (UNFACTORED)
CONN	CONNECT, CONNECTION	m	METRE	VERT	VERTICAL
CONSTR	CONSTRUCTION	mm	MILLIMETRE	Vf	VERTICAL SHEAR (FACTORED)
CONT	CONTINUOUS	MAS	MASONRY	W	WIDE, WIDTH
CORR	CORRIDOR	MAX	MAXIMUM	W/	WITH
DBL	DOUBLE	MECH	MECHANICAL	W/O	WITHOUT
DEFL	DEFLECTION	MEZZ	MEZZANINE	WD	WOOD
DEMO	DEMOLISH, DEMOLITION	Mf	FACTORED MOMENT	WP	WORK POINT
DEPR	DEPRESSION	MIN	MINIMUM	WT	WEIGHT
DET	DETAIL	MISC	MISCELLANEOUS	WWM	WELDED WIRE MESH
DEV	DEVELOP, DEVELOPMENT	MK	MARK	X-BRACE	CROSS BRACING
Ø, DIA	DIAMETER	MO	MASONRY OPENING		
DIAG	DIAGONAL	MOM	MOMENT		
DIM	DIMENSION	MPa	MEGAPASCAL		
DIR	DIRECTION	NIC	NOT IN CONTRACT		
DL	DEAD LOAD	NF	NEAR FACE		
DN	DOWN	NO.	NUMBER		
DP	DEEP	NOM	NOMINAL		
DR	DOOR	NTS	NOT TO SCALE		
DFIR	DOUGLAS FIR	N-S	NORTH-SOUTH		
DWG	DRAWING(S)	NS	NELSON STUD		
DWL	DOWEL(S)	O/C	ON CENTRE		
EA	EACH	OD	OUTSIDE DIAMETER		
EE	EACH END	O/O	OUT TO OUT		
EF	EACH FACE	O/F	OUTSIDE FACE		
EJ	EXPANSION JOINT	OH	OVERHEAD		
EL	ELEVATION	OPNG	OPENING		
ELEV	ELEVATOR	OWSJ	OPEN WEB STEEL JOIST		
ELEC	ELECTRICAL	Pa	PASCAL		
ENG	ENGINEER	PC	PRECAST		
EQ	EQUAL	PERP	PERPENDICULAR		
EQUIP	EQUIPMENT	PL, PL	PLATE		
ES	EACH SIDE	PLF	POUNDS PER LINEAL FOOT		
E-W	EAST-WEST	PLYWD	PLYWOOD		
EW	EACH WAY	PREFAB	PREFABRICATED		
EXIST	EXISTING	PROJ	PROJECTION		
EXP	EXPANSION	PSF	POUNDS PER SQUARE FOOT		
EXT	EXTERIOR	PSI	POUNDS PER SQUARE INCH		
FDN	FOUNDATION	PT	PRESSURE TREATED		
FF	FAR FACE	R	RADIUS, REACTION		
FIN	FINISHED	REF	REFERENCE		
FL	FLOOR	REINF	REINFORCE, REINFORCEMENT		
FS	FAR SIDE	REM	REMAINDER		
FT	FOOT/FEET	REQ	REQUIRED		
FTG	FOOTING				

CONCRETE SLAB SCHEDULE

MARK	DESCRIPTION	REINFORCING
S1	100 CONCRETE SLAB ON 100 HI DENSITY RIGID INSULATION MIN 150 LEVELING COURSE OF COMPACTED GRANULAR	N/A

COLUMN SCHEDULE

MARK	DESCRIPTION
C1	INTENTIONALLY OMITTED
C2	ADJUSTABLE STEEL TELEPOST DESIGNED TO RESIST FACTORED LOAD SHOWN CAP & BASE PLATE AS SUPPLIED BY MANUFACTURER ENSURE CAP PLATE IS MIN 150x150x6.4 STEEL PLATE
C3	INTENTIONALLY OMITTED

WOOD BEAM SCHEDULE

MARK	DESCRIPTION
B1	INTENTIONALLY OMITTED
B2	2-PLY 44x235 2.0E LVL
B3	3-PLY 44x235 2.0E LVL
B4	3-PLY 38x184 PT
B5	INTENTIONALLY OMITTED
B6	5-PLY 44x286 2.0E LVL FASTEN PLIES TOGETHER C/W 13# GALV THRU BOLTS WITH OVERSIZED GALV WASHERS @ 300 O/C

SEISMIC AND WIND DESIGN:

THE LATERAL SYSTEM FOR THIS PROJECT CONSIST OF BRACE FRAMES  
AND IS DESIGNED FOR THE FOLLOWING EARTHQUAKE FACTORS:

A) EARTHQUAKE DESIGN PARAMETERS

SA (0.2) = 0.273	SITE CLASSIFICATION: SITE CLASS 'C'	
SA (0.5) = 0.203	IE = 1.0	FA = 1.0
SA (1.0) = 0.122	RD = 3.0	FV = 1.0
SA (2.0) = 0.273	RO = 1.7	TA = 0.317 SEC
SA (0.2)/FAIE = 0.273	PGA = 0.152	

B) WIND DESIGN PARAMETERS:

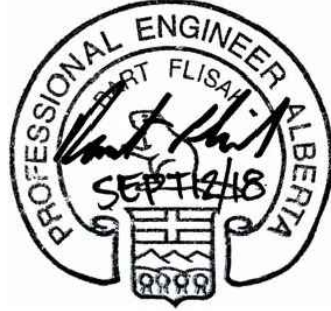
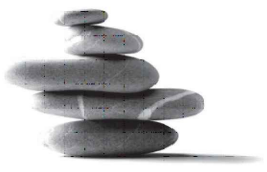
CE, CG AND CP ARE BASED ON NBCC CL. 4.1.7.  
Q50 = 0.58 KPA, LW = 1.25 ULS, 0.75 SLS

WALL SCHEDULE

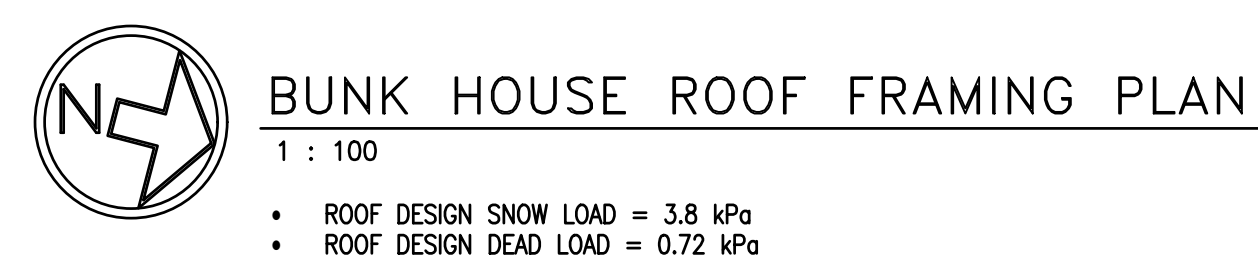
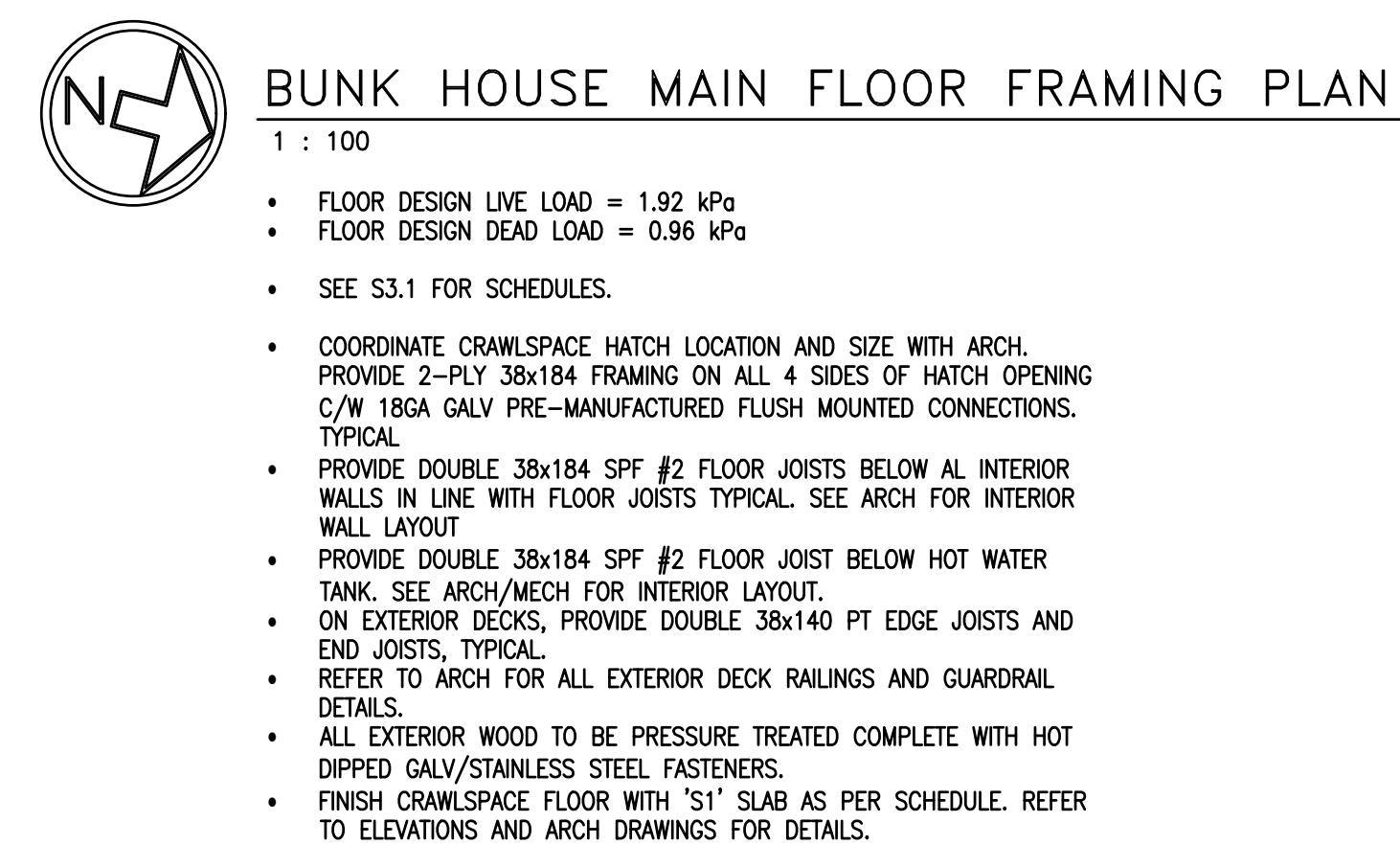
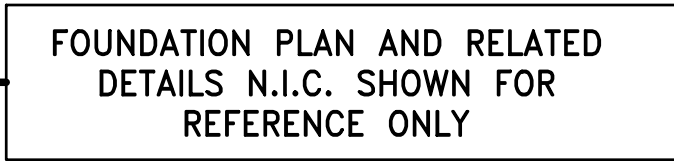
MARK	DESCRIPTION
W1	INTENTIONALLY OMITTED
W2	INTENTIONALLY OMITTED
W3	38x140 SPF #2 STUDS @ 600 O/C MAX C/W TRIPLE 38x140 SPF #2 TOP PLATE SINGLE 38x140 PT BOTTOM PLATE 13 PLYWOOD SHEATHING ON EXTERIOR 1 ROW CONTINUOUS 38x140 BLOCKING AT MID-HEIGHT FASTEN PLYWOOD TO STUDS WITH 3.33# x 63 mm LG NAILS @ 100 O/C AROUND PLYWOOD PANEL EDGES @ 300 O/C IN THE FIELD
W4	INTENTIONALLY OMITTED
W5	INTENTIONALLY OMITTED
W6	38x140 SPF #2 STUDS @ 400 O/C MAX C/W TRIPLE 38x140 SPF TOP PLATE SINGLE 38x140 PT BOTTOM PLATE C/W 1 ROW CONTINUOUS 38x140 BLOCKING @ MID HEIGHT WALL FINISH AS PER ARCH

LINTEL SCHEDULE

MARK	DESCRIPTION
L1	INTENTIONALLY OMITTED
L2	2-PLY 38x235 SPF #2 1-38x140 SPF #2 JACK STUDS 1-38x140 SPF #2 KING STUDS
L3	INTENTIONALLY OMITTED
L4	2-PLY 44x235 2.0E LVL 2-38x140 SPF #2 JACK STUDS 2-38x140 SPF #2 KING STUDS
L5	3-PLY 44x235 2.0E LVL 2-38x140 SPF #2 JACK STUDS 3-38x140 SPF #2 KING STUDS
L6	INTENTIONALLY OMITTED
L7	INTENTIONALLY OMITTED
L8	2-PLY 44x235 2.0E LVL 2-38x140 SPF #2 JACK STUDS 1-38x140 SPF #2 KING STUDS





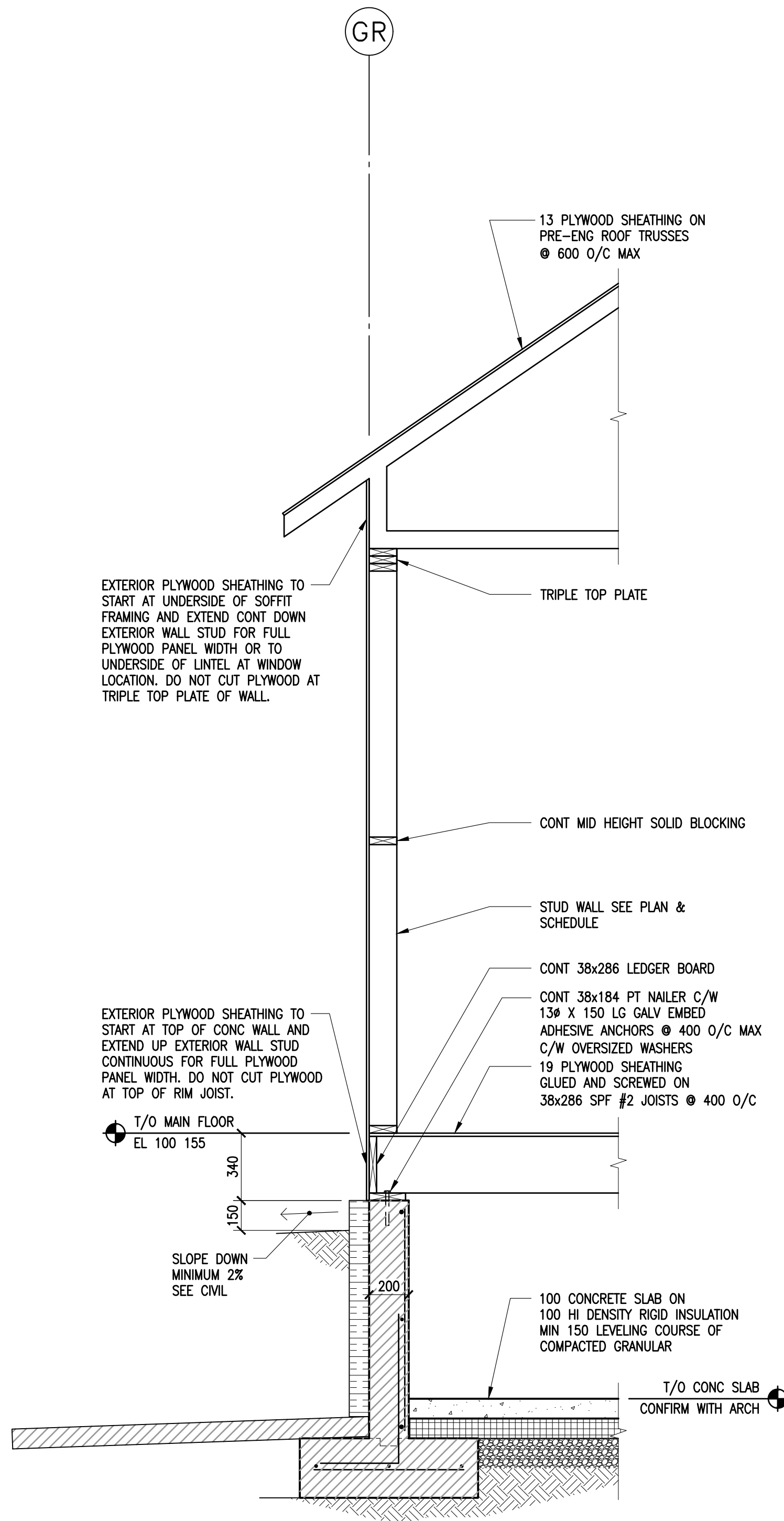
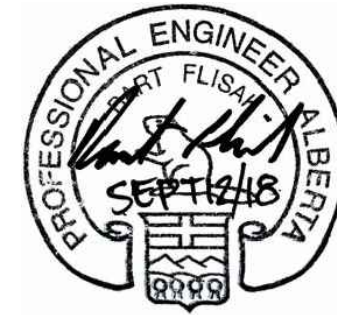
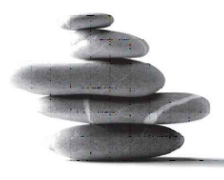


Project no.	Drawing no.	Revision no.
<b>R.096286.001</b>	<b>S3.2</b>	<b>0</b>

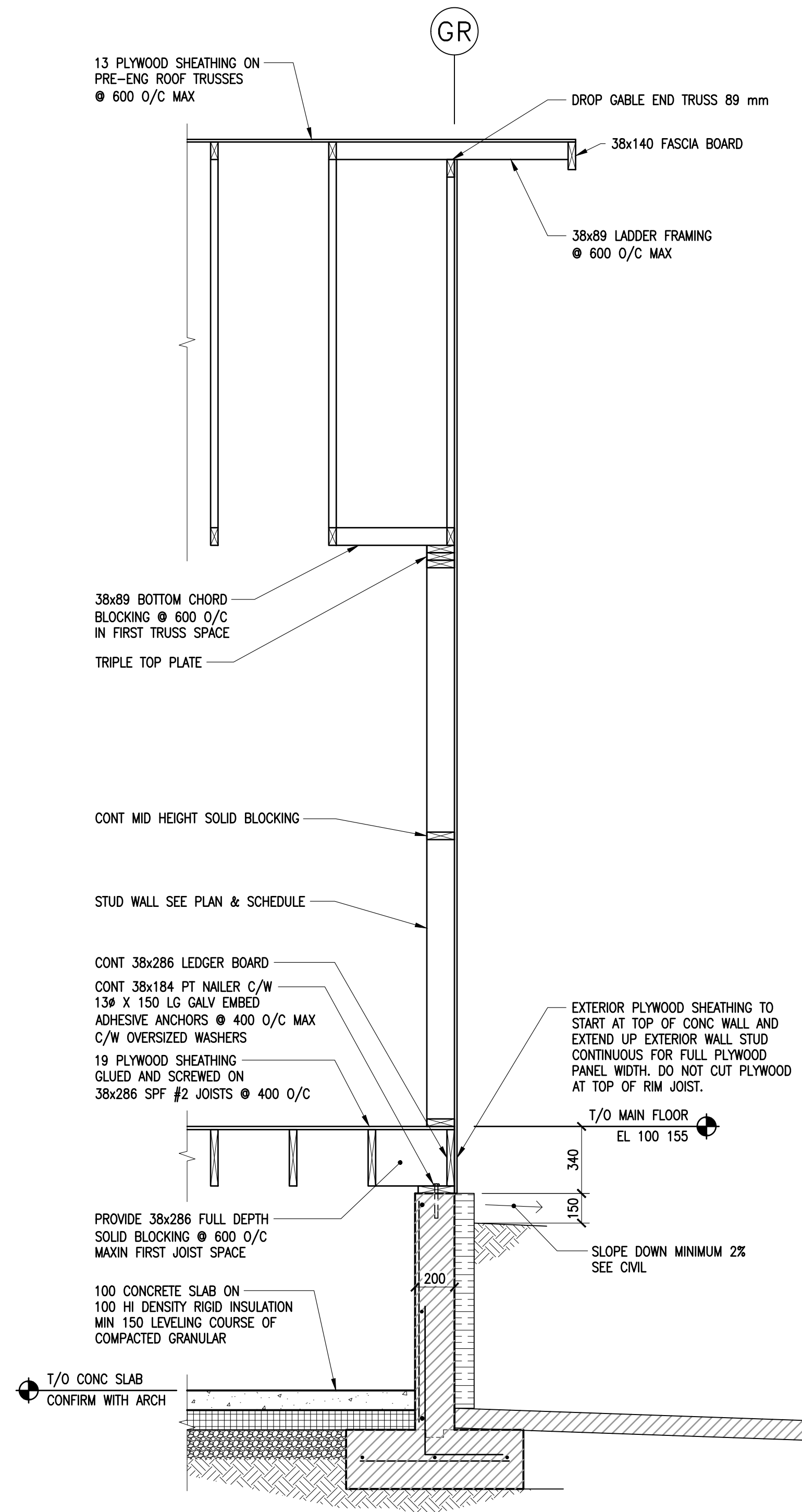




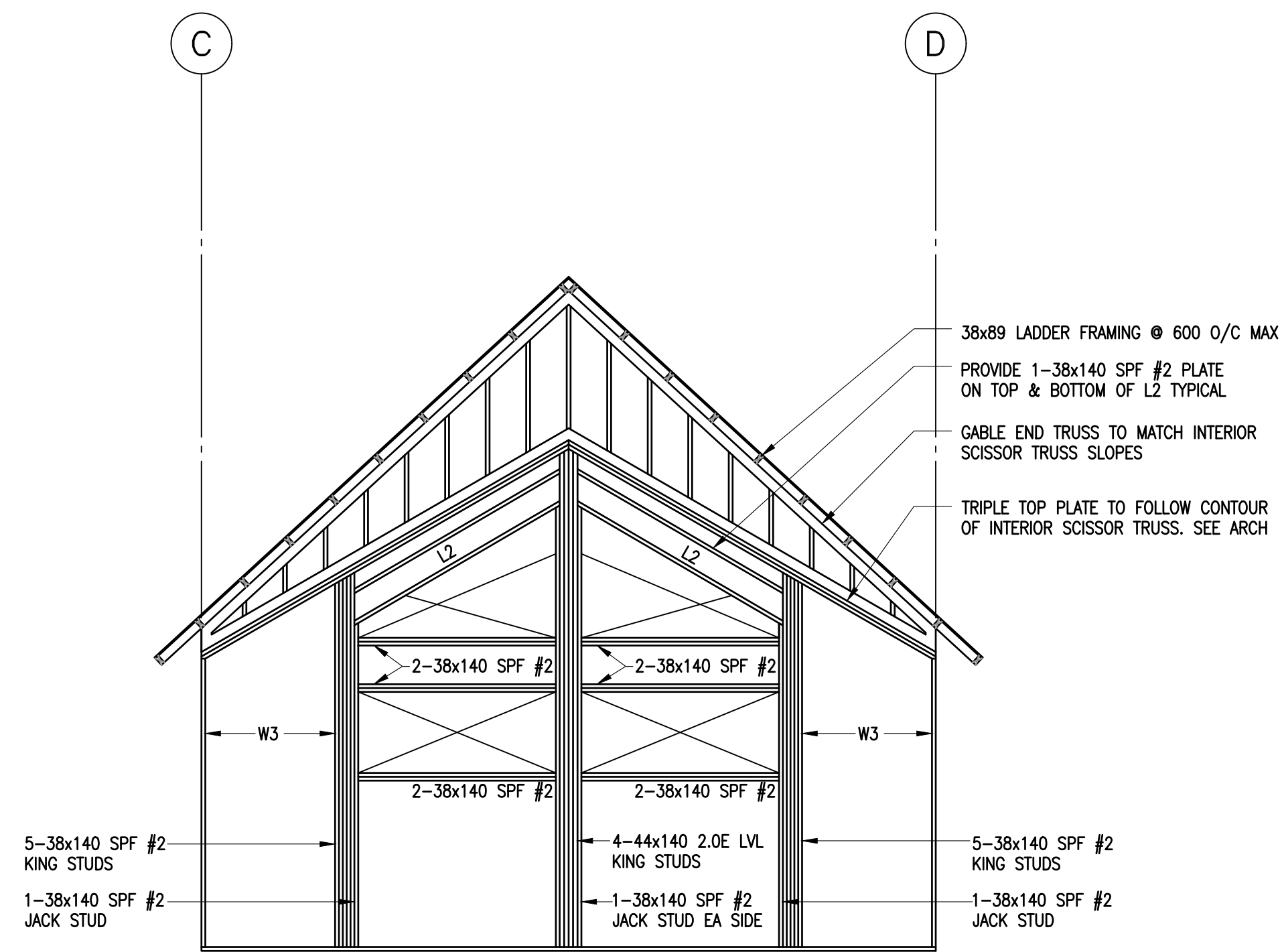




1 SECTION  
FH S3.4 1 : 20



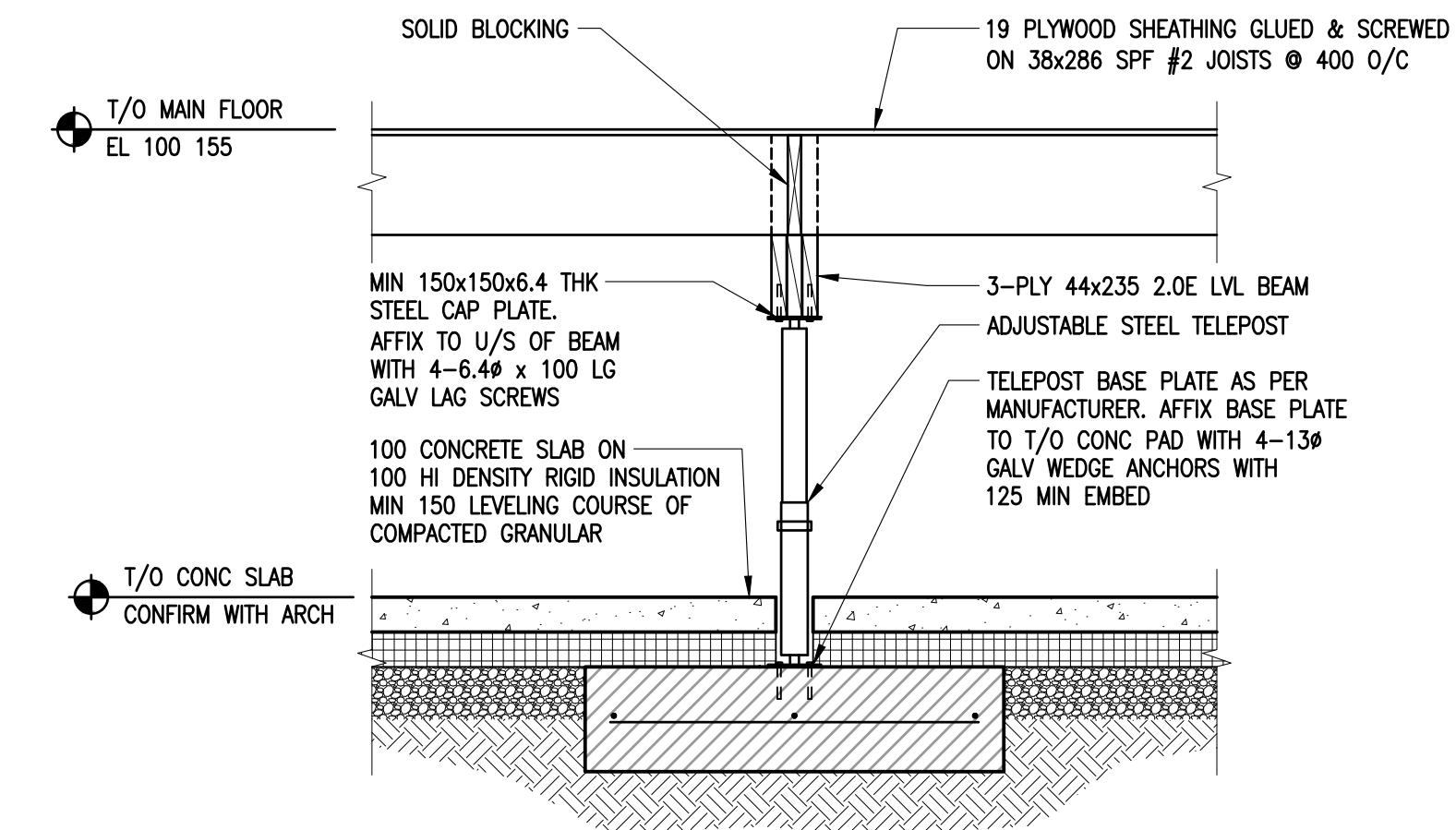
2 SECTION  
FH S3.4 1 : 20



3 SECTION  
S3.3 S3.4 1 : 20

A ALPINE COTTAGE EAST WALL FRAMING ELEVATION  
S3.3 S3.4 1 : 50

- ALL STUDS TO BE CONTINUOUS FROM BOTTOM PLATE TO TRIPLE TOP PLATE. DO NOT CUT STUDS.
- INFILL WALL AREAS ABOVE AND BELOW WINDOW ROUGH OPENINGS. TO BE FRAMED AS 'W3'. TYPICAL AS REQUIRED.



3 SECTION  
S3.3 S3.4 1 : 20

Revision	Description	Date
0	ISSUED FOR CONSTRUCTION	2018-09-12

Client

PWGSC/TPSGC

ATB Place North Tower  
10025 Jasper Ave, 5th Floor  
Edmonton, Alberta T5J 1S6

Project title  
SECTION 25, NE CORNER, TOWNSHIP ONE,  
RANGE 30, WEST OF THE 4TH  
WATERTON, ALBERTA

WLNP ALPINE STABLES RECONSTRUCTION  
ALPINE COTTAGE  
AND BUNKHOUSE

Designed by  
AJG

Drawn by  
JLP

Approved by  
BF

PWGSC Project Manager  
MICHAEL LYZANIWSKI

Drawing title  
ELEVATION AND SECTIONS

Project no.	Drawing no.	Revision no.
R.096286.001	S3.4 OF	0



DRAWING LIST

M0	DRAWING LIST AND SYMBOL LEGEND
M1	ALPINE COTTAGE AND BUNK HOUSE FLOOR PLANS - PLUMBING
M2	ALPINE COTTAGE AND BUNK HOUSE FLOOR PLANS - HVAC
M3	MECHANICAL DETAILS AND SCHEDULES

PLUMBING LEGEND	
	SANITARY WASTE ABOVE FLOOR OR GRADE
	SANITARY WASTE BELOW FLOOR OR GRADE
	VENT LINE
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	SHUT-OFF VALVE
	CHECK VALVE
	NATURAL GAS VALVE
	BACKFLOW PREVENTER
	GAS METER
	PUMP
	VENT THRU ROOF
	FLOOR DRAIN
	CLEANOUT
	PRESSURE REGULATING VALVE
	VENT THRU ROOF
	PRESSURE RELIEF VALVE
	PLUMBING FIXTURE DESIGNATION
	EQUIPMENT DESIGNATION

HVAC LEGEND	
	SUPPLY / MAKE-UP / OUTSIDE / COMBUSTION AIR DUCT UP / DOWN
	RETURN AIR DUCT UP / DOWN
	EXHAUST / RELIEF AIR DUCT UP / DOWN
	THERMOSTAT
	FLOW ARROW
	EQUIPMENT DESIGNATION
	GRILLE / DIFFUSER TYPE NECK SIZE QUANTITY OR NUMBER OF FLOW RATE ( L/S ) FACE SIZE OR THROW GRILLE OR DIFFUSER DESIGNATION

Revision	Description	Date
3	ISSUED FOR CONSTRUCTION	2018 09 12
2	ISSUED FOR 90% REVIEW	2018 08 21
1	ISSUED FOR 90% PRICING	2018 08 08
0	ISSUED FOR 60% REVIEW	2018 07 26

Client

**PWGSC / TPSGC**

**ATB Place North Tower  
10025 Jasper Ave, 5th Floor  
Edmonton, Alberta T5J 1S6**

Project title

**SECTION 25, NE CORNER, TOWNSHIP ONE,  
RANGE 30, WEST OF THE 4TH  
WATERTON, ALBERTA**

**WLNP ALPINE STABLES RECONSTRUCTION  
ALPINE COTTAGE  
AND BUNKHOUSE**

Designed by  
**JRB**

Drawn by  
**IE**

Approved by  
**JRB**

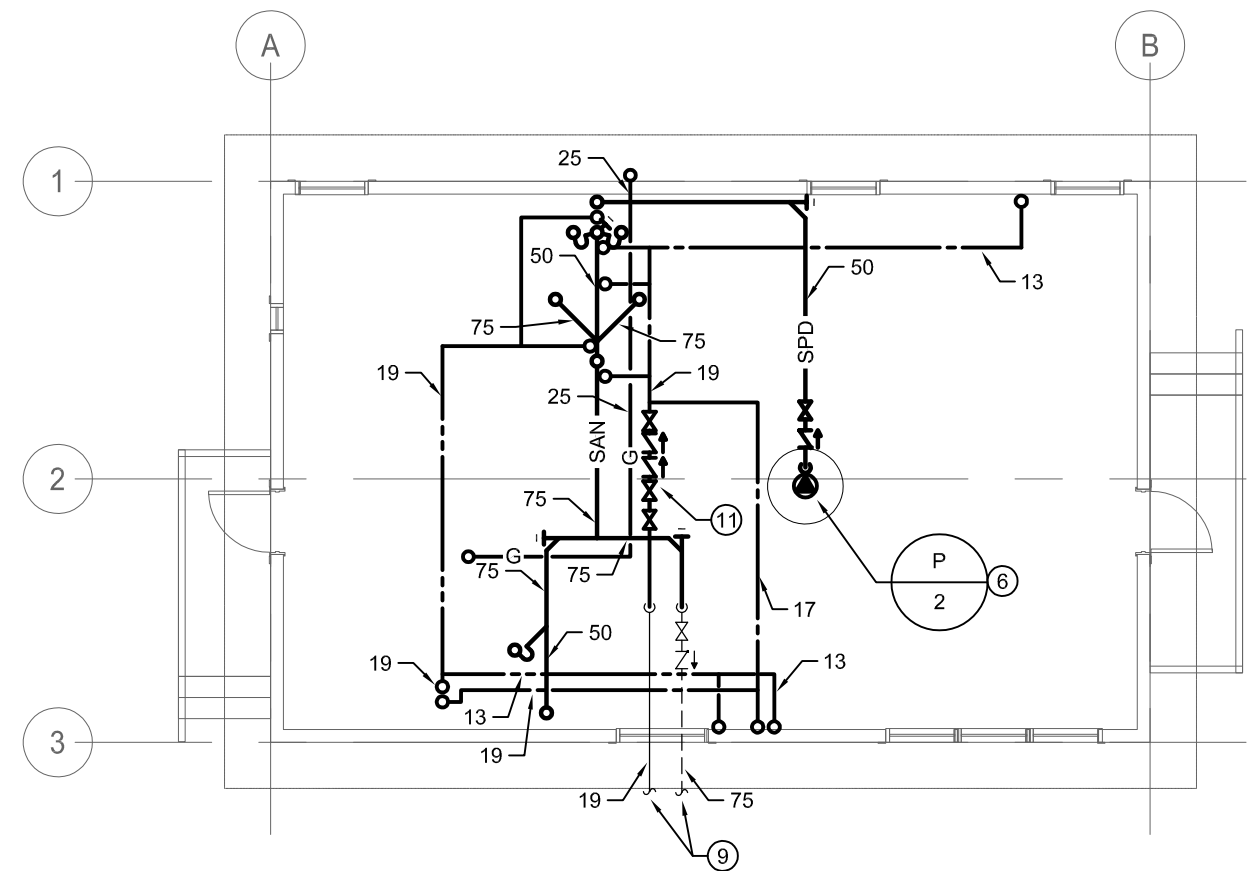
PWGSC Project Manager  
**MICHAEL LYZANIWSKI**

Drawing title

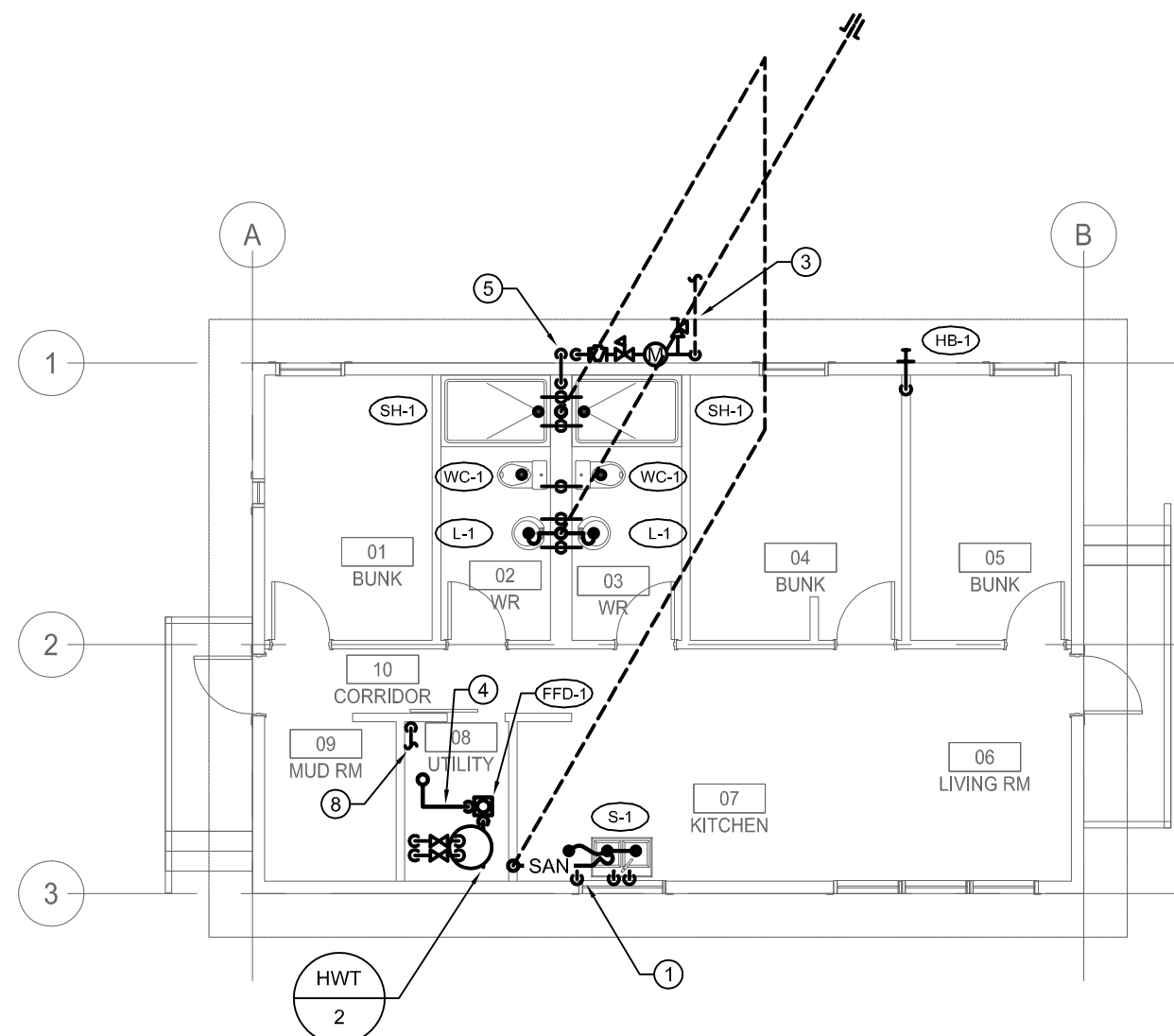
**DRAWING LIST AND  
SYMBOL LEGEND**



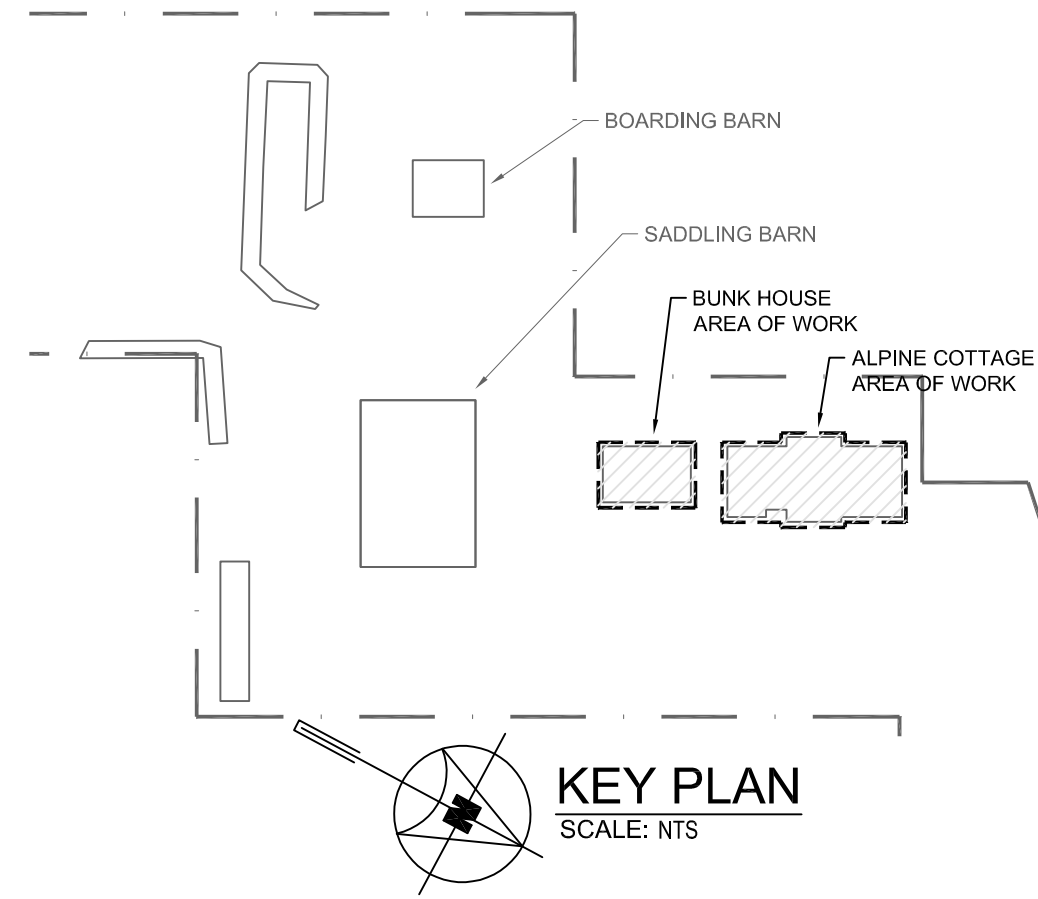




1 BUNK HOUSE CRAWLSPACE FLOOR PLAN - PLUMBING  
SCALE: 1:100

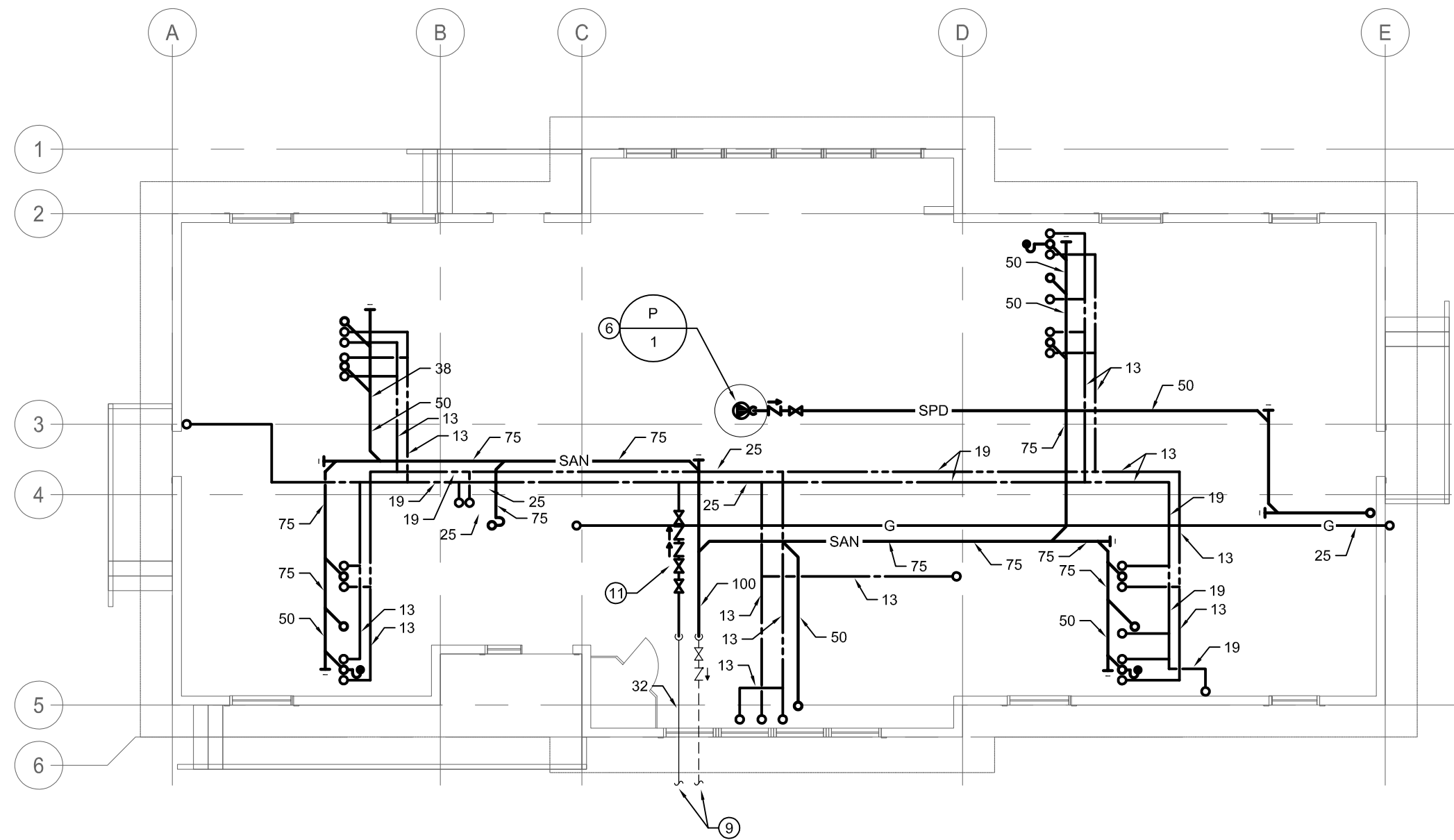


2 BUNK HOUSE MAIN FLOOR PLAN - PLUMBING  
SCALE: 1:100

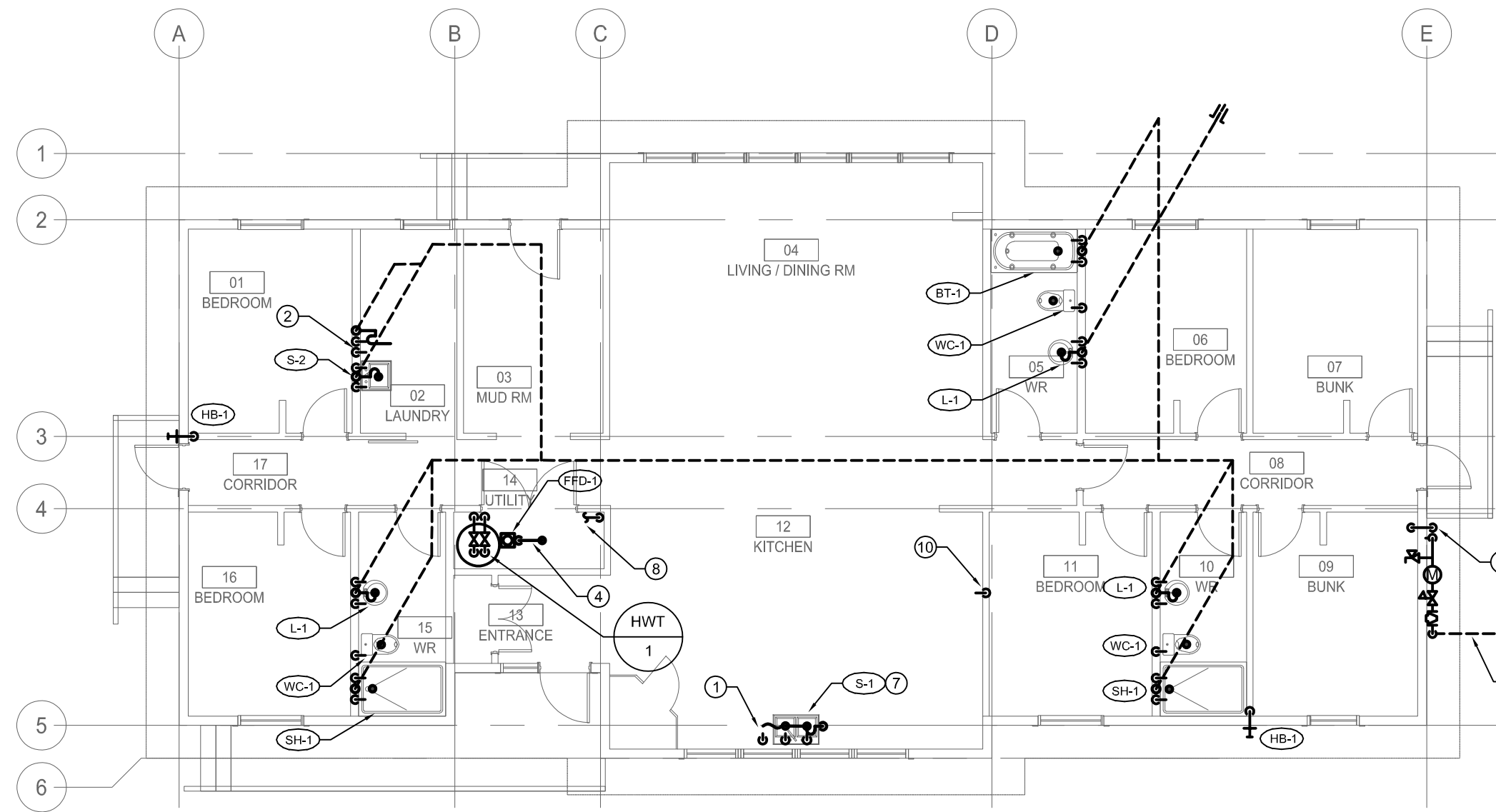


KEY NOTES

1. PROVIDE WATER SUPPLY AND DRAIN TO DISHWASHER.
2. PROVIDE AUTOMATIC WASHER FITTING FOR CLOTHES WASHER.
3. NEW GAS SERVICE BY CHIEF MOUNTAIN GAS. CONTRACTOR TO COORDINATE AND PROVIDE EQUIPMENT AS REQUIRED. INCLUDE ALL FEES, PERMITS AND INSPECTIONS.
4. ROUT HRV CONDENSATE DRAIN TO DRAIN INDIRECTLY OVER FLOOR DRAIN.
5. SUMP PUMP DISCHARGE, SPLASH TO GRADE.
6. PROVIDE SUMP PUMP REFER TO DETAIL.
7. PROVIDE AIR ADMITTANCE VALVE TO VENT KITCHEN SINK.
8. CONNECT NATURAL GAS PIPING TO FURNACE AND HOT WATER TANK.
9. DOMESTIC COLD WATER AND SANITARY SERVICE BROUGHT INTO BUILDING AS PART OF FOUNDATION PACKAGE.
10. PROVIDE POT FILLER. COORDINATE INSTALLATION WITH STOVE.
11. PROVIDE DUAL CHECK VALVE ASSEMBLY BACKFLOW PREVENTION.
12. CONTRACTOR COORDINATE NATURAL GAS PRESSURE REQUIRED FOR APPLIANCES.

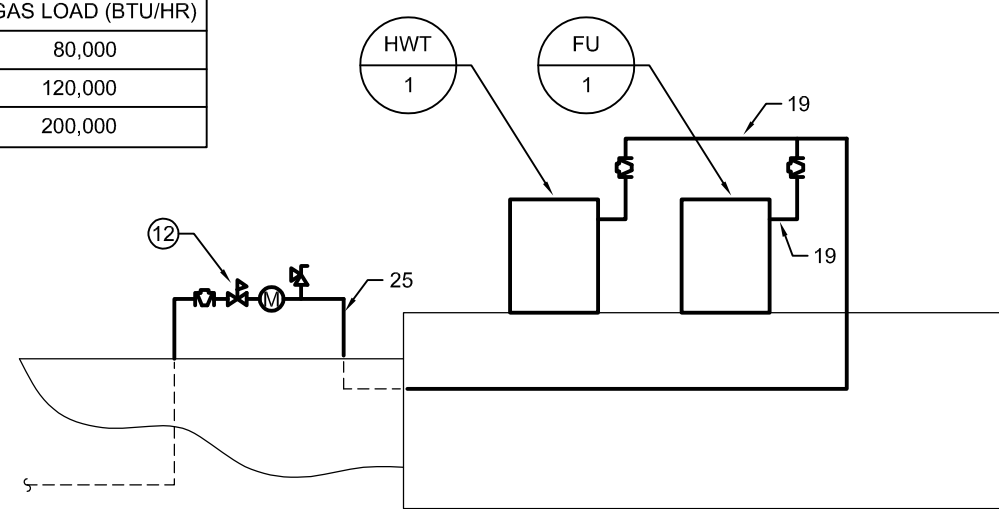


3 ALPINE COTTAGE CRAWLSPACE FLOOR PLAN - PLUMBING  
SCALE: 1:100



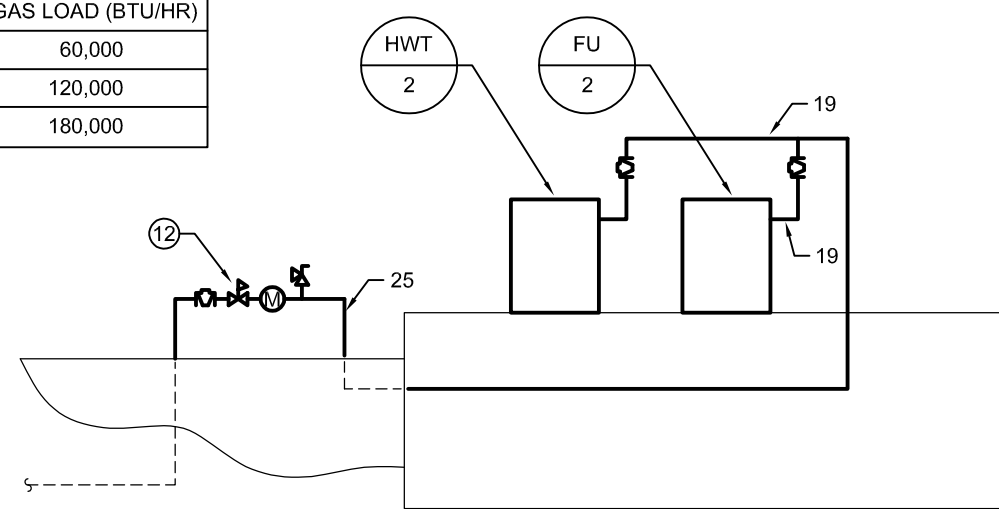
4 ALPINE COTTAGE MAIN FLOOR PLAN - PLUMBING  
SCALE: 1:100

TAG	NAME	GAS LOAD (BTU/HR)
FU-1	FURNACE	80,000
HWT-1	HOT WATER TANK	120,000
TOTAL		200,000



5 ALPINE COTTAGE GAS PIPING SCHEMATIC  
SCALE: N.T.S.

TAG	NAME	GAS LOAD (BTU/HR)
FU-2	FURNACE	60,000
HWT-2	HOT WATER TANK	120,000
TOTAL		180,000



6 BUNK HOUSE GAS PIPING SCHEMATIC  
SCALE: N.T.S.

770 Bradford Street  
Winnipeg, Canada  
T 204 775 0291  
SMSeng.com  
18-123-01



SMS  
ENGINEERING



12 SEPT 2018

3	ISSUED FOR CONSTRUCTION	2018 09 12
2	ISSUED FOR 90% REVIEW	2018 08 21
1	ISSUED FOR 90% PRICING	2018 08 08
0	ISSUED FOR 60% REVIEW	2018 07 26
Revision	Description	Date
Client		
PWGSC / TPSGC		
ATB Place North Tower 10025 Jasper Ave, 5th Floor Edmonton, Alberta T5J 1S6		
Project title		
SECTION 25, NE CORNER, TOWNSHIP ONE, RANGE 30, WEST OF THE 4TH WATERTON, ALBERTA		
WLNP ALPINE STABLES RECONSTRUCTION ALPINE COTTAGE AND BUNKHOUSE		
Designed by JRB		
Drawn by IE		
Approved by JRB		
PWGSC Project Manager MICHAEL LYZANIEWSKI		
Drawing title		
ALPINE COTTAGE AND BUNK HOUSE FLOOR PLANS - PLUMBING		
Project no.	Drawing no.	Revision no.
R.096286.001	M1 OF 4	3



REPUBLIC  
ARCHITECTURE  
INC

GENERAL NOTES

A. DRAWING ARE SCHEMATIC, DO NOT SCALE.

B. VENT PIPING SHALL BE SIZED IN ACCORDANCE WITH THE CURRENT VERSION OF THE PLUMBING CODE AND EXACT ROUTING ON SITE.

C. CONTRACTOR SHALL PROVIDE ROUGH AND FINAL CONNECTIONS FOR ALL APPLIANCES.

770 Bradford Street  
Winnipeg, Canada  
T 204 775 0291  
SMSeng.com  
18-123-01



12 SEPT 2018

1  
M2

ALPINE COTTAGE CRAWLSPACE FLOOR PLAN - HVAC

SCALE: 1:100

2  
M2

ALPINE COTTAGE MAIN FLOOR PLAN - HVAC

SCALE: 1:100

3  
M2

BUNK HOUSE CRAWLSPACE FLOOR PLAN - HVAC

SCALE: 1:100

4  
M2

BUNK HOUSE MAIN FLOOR PLAN - HVAC

SCALE: 1:100

KEY PLAN  
SCALE: NTS

KEY NOTES

1. FLOOR SUPPLY GRILLE, (TYPICAL)

2. SIDEWALL RETURN GRILLE, LOCATE AT FLOOR LEVEL, (TYPICAL)

3. SIDEWALL EXHAUST GRILLE, LOCATE NEAR CEILING LEVEL, (TYPICAL)

4. PROVIDE CEILING FAN MOUNTED TO THE UNDERSIDE OF THE CEILING, COORDINATE EXACT MOUNTING LOCATION ON SITE WITH ARCHITECT PRIOR TO ROUGH IN.

5. ROUTE OUTDOOR AIR AND EXHAUST DUCT FOR HRV THROUGH ATTIC SPACE.

6. ROUTE LAUNDRY DUCT EXPOSED TO EXTERIOR WALL.

7. PROVIDE SWITCHES FOR CEILING FANS, COORDINATE EXACT LOCATION ON SITE WITH ARCHITECT PRIOR TO ROUGH IN.

8. PROVIDE THERMOSTAT AND HRV CONTROL, COORDINATE EXACT LOCATION ON SITE WITH ARCHITECT PRIOR TO ROUGH IN.

9. PROVIDE CRAWLSPACE VENTILATION INTAKE DUCT.

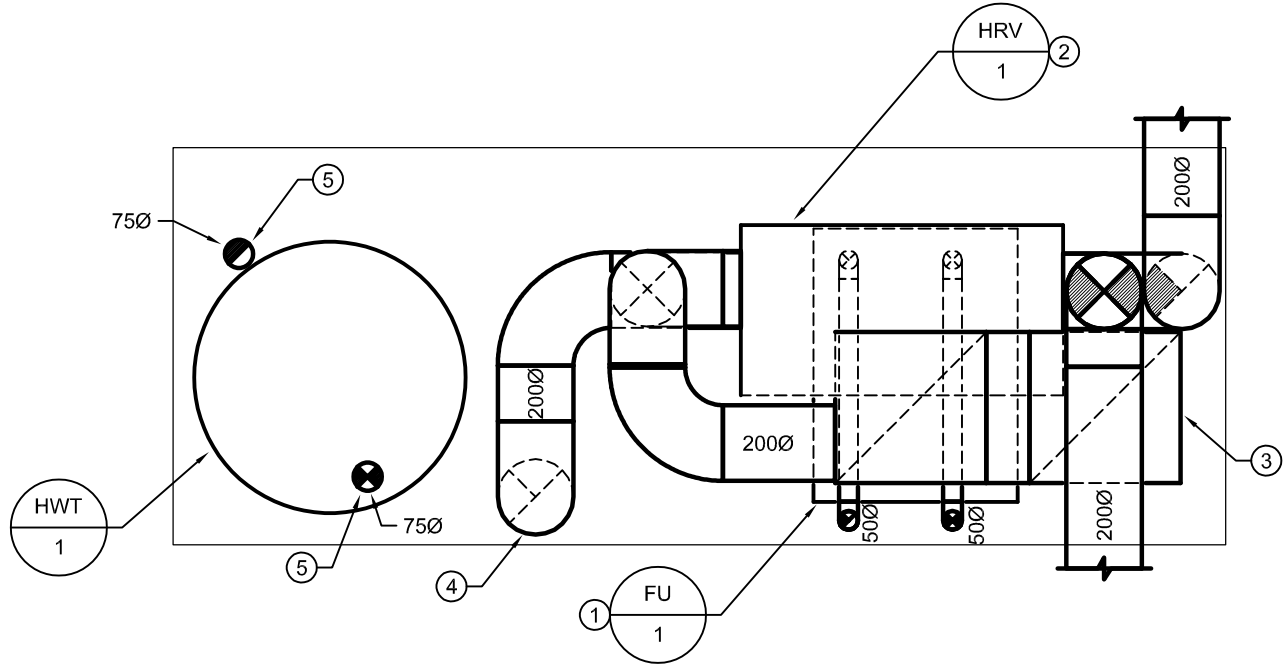
10. PROVIDE CRAWLSPACE EXHAUST FAN COMPLETE WITH BACKDRAFT DAMPER.

11. COORDINATE EXACT LOUVRE LOCATION ON SITE WITH ARCHITECT PRIOR TO ROUGH IN.

0 10 20 30 40 50 60 70 80 90 100mm

PWGSC - A1 - 8410594





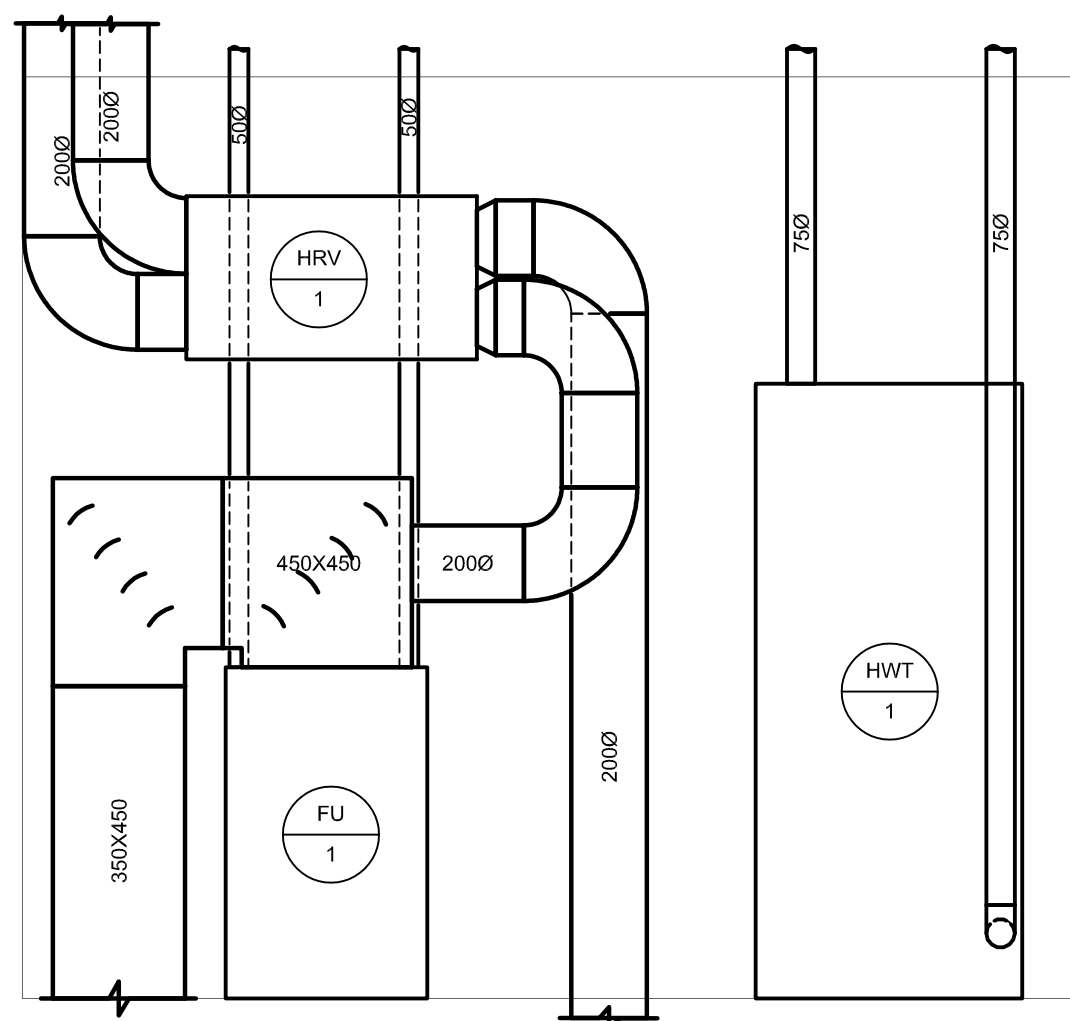
1 ENLARGED ALPINE COTTAGE - UTILITY ROOM  
SCALE: 1:20  
M3

## GENERAL NOTES

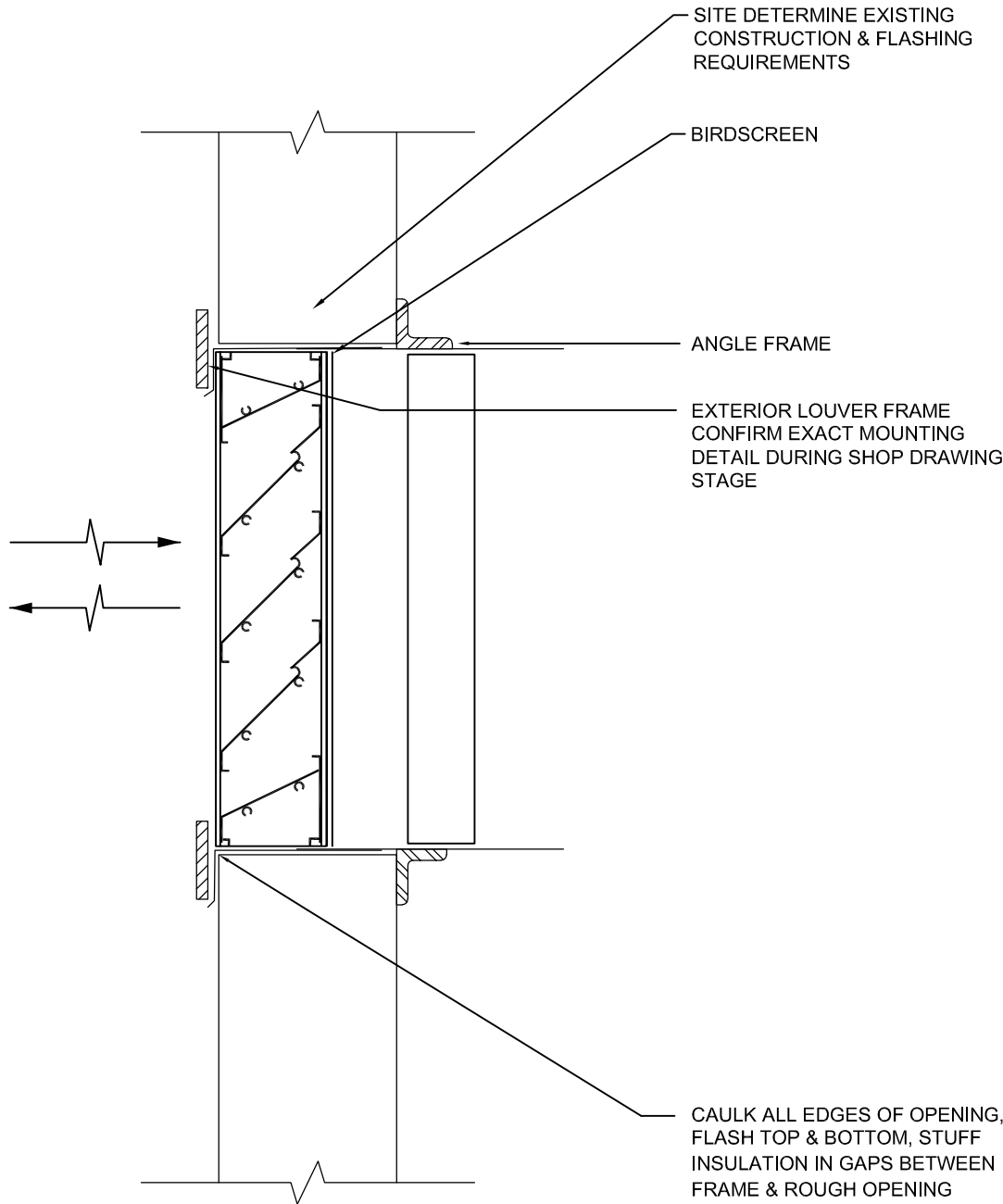
- DRAWING ARE SCHEMATIC, DO NOT SCALE.
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- CONTRACTOR SHALL PROVIDE ROUGH AND FINAL CONNECTIONS FOR ALL APPLIANCES.

## KEY NOTES

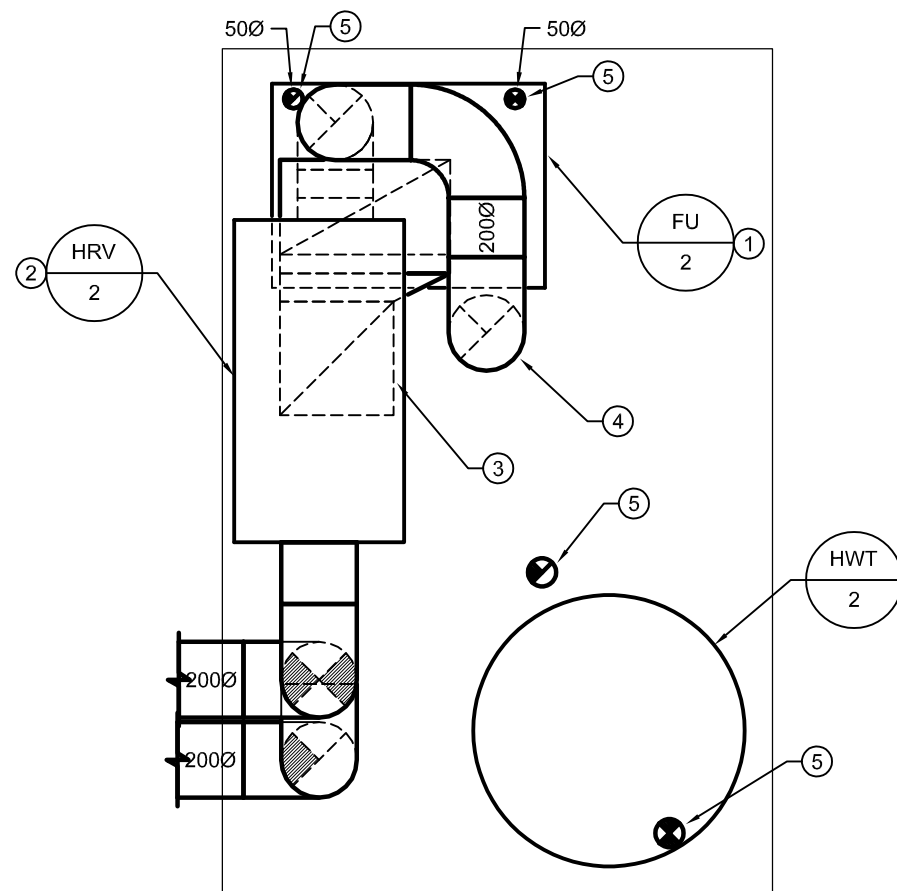
- PROVIDE FLOOR MOUNTED DOWN DISCHARGE FURNACE.
- SUSPEND HRV FROM THE UNDERSIDE OF STRUCTURE COMPLETE WITH VIBRATION ISOLATION, PROVIDE FLEXIBLE CONNECTION ON ALL DUCT CONNECTIONS.
- RETURN AIR DUCT UP FROM CRAWLSPACE.
- EXHAUST AIR DUCT UP FROM CRAWLSPACE.
- EXHAUST / INTAKE UP THROUGH ROOF.



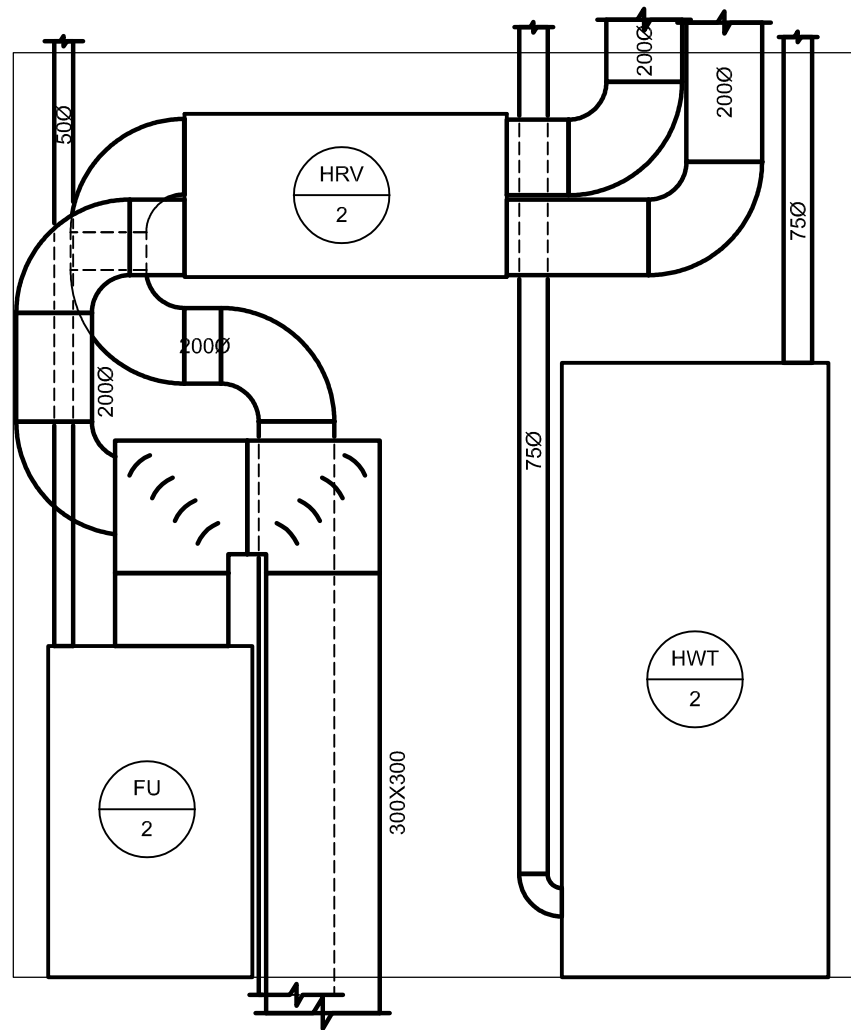
2 ELEVATION VIEW - ALPINE COTTAGE - UTILITY ROOM  
SCALE: 1:20  
M3



3 LOUVRE ASSEMBLY  
SCALE: N.T.S.  
M3



4 ENLARGED BUNK HOUSE - UTILITY ROOM  
SCALE: 1:20  
M3



5 ELEVATION VIEW - BUNK HOUSE - UTILITY ROOM  
SCALE: 1:20  
M3

Grilles, Registers and Diffusers								
TYPE	Material	MODEL	BOR- DER	CORE	VOLUME CONT.	FRAME	FASTNG.	FINISH
A	Steel	Floor Supply	Flat	-	-	-	Screw	White
B	Steel	Sidewall Return	Flat	-	-	-	Screw	White
C	Steel	Floor Return	Flat	-	-	-	Screw	White
								REMARKS
								Double Deflection Refer to DWG for sizes
								45° Deflection Refer to DWG for sizes
								Double Deflection Refer to DWG for sizes

Hot Water Tanks								
NO.	Fuel Type	Input btu/hr kW	Output btu/hr kW	# OF ELEMENTS	TANK CAPACITY US Gal. Litres	TANK HEIGHT IN. MM	TANK DIAMETER IN. MM	REMARKS
HWT-1	Natural Gas	120,000 35.1	114,000 33.4	N/A	73 277	55.5 1410	27.8 705	Rated for site elevation (~1,300 meters above sea level)
HWT-2	Natural Gas	120,000 35.1	114,000 33.4	N/A	73 277	55.5 1410	27.8 705	Rated for site elevation (~1,300 meters above sea level)

Heat Recovery Ventilator						
NO.	Location	EXHAUST AIR FLOW cfm l/s	OUTSIDE AIR FLOW cfm l/s	EXTERNAL STATIC PRESSURE "W.C. (Pa)	EFFECTIVENESS %	ACCESSORIES
HRV-1	Mech RM, Cottage	265 125	265 125	0.5 125	60	Vibration isolation, 6" ports Plug in power
HRV-2	Mech RM, Bunkhouse	212 100	212 100	0.5 125	60	Vibration isolation, 6" ports Plug in power

Pump Schedule									
NO.	SERVICE	LOCATION	MODEL / SIZE	CAP. gpm l/s	HEAD ft m	MTR. (HP) kW	SPD. (rpm)	REMARKS	
P-1	Weeping Tile Sump Pump	Crawspace Cottage	Effluent Summersible Pump	50 3.15	25 7.6	0.5 0.37	-	50mm discharge	
P-2	Weeping Tile Sump Pump	Crawspace Bunkhouse	Effluent Summersible Pump	50 3.15	25 7.6	0.5 0.37	-	50mm discharge	

Fan Schedule									
FAN NO.	SERVICE	FAN TYPE	LOCATION	CAP. l/s cfm	E.S.P. (Pa) in. W.G.	OUT. VEL. (m/s) (fpm)	BKW BHP	MTR. (kW) HP	REMARKS
EF-1	Crawspace Exhaust Fan	Direct Drive Centrifugal Inline Fan	Crawspace Cottage	47 100	125 0.50	1750 N/A	N/A	0.19 0.25	
EF-1	Crawspace Exhaust Fan	Direct Drive Centrifugal Inline Fan	Crawspace Bunkhouse	47 100	125 0.50	1750 N/A	N/A	0.19 0.25	
CF-1	Ceiling Fan	Ceiling Fan	Main Area Cottage	N/A	N/A	44 - 141 N/A	N/A	0.10 0.13	Ceiling mounted fan c/w wall speed controller
CF-2	Ceiling Fan	Ceiling Fan	Main Area Cottage	N/A	N/A	44 - 141 N/A	N/A	0.10 0.13	Ceiling mounted fan c/w wall speed controller

Louvers				
TYPE	MANUFACTURER	MODEL	FINISH	REMARKS
L-1	-	36" Blade 6" Depth	Aluminum	Birdscreen
L-2	-	4" round Laundry Type	Aluminum	Backdraft damper

Furnaces							
NO.	Fuel Type	Input btu/hr kW	Output btu/hr kW	Airflow cfm l/s	Ext. Static in. H2O Pa	HEIGHT IN. MM	Width x Depth IN. MM
FU-1	Natural Gas	80,000 23.4	76,000 22.3	1548 730	0.5 125	35 889	21 x 29 533 x 737
FU-2	Natural Gas	60,000 17.6	57,000 16.7	848 400	0.5 125	35 889	21 x 29 533 x 737
							REMARKS
							Rated for site elevation (~1,300 meters above sea level)
							Rated for site elevation (~1,300 meters above sea level)

NO.	DESCRIPTION	DATE
3	ISSUED FOR CONSTRUCTION	2018 09 12
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0	ISSUED FOR 60% REVIEW	2018 07 26
Revision	Description	Date

Client

PWGSC / TPSGC

ATB Place North Tower  
10025 Jasper Ave, 5th Floor  
Edmonton, Alberta T5J 1S6

Project title  
SECTION 25, NE CORNER, TOWNSHIP ONE,  
RANGE 30, WEST OF THE 4TH  
WATERTON, ALBERTA

WLNP ALPINE STABLES RECONSTRUCTION  
ALPINE COTTAGE  
AND BUNKHOUSE

Designed by  
JRB  
Drawn by  
IE  
Approved by  
JRB  
PWGSC Project Manager  
MICHAEL LYZANOWSKI

Drawing title  
MECHANICAL DETAILS  
AND SCHEDULES

Project no.	Drawing no.	Revision no.
R.096286.001	M3	3



DRAWING LIST

- E0DRAWING LIST, SYMBOL LEGEND, MOTOR AND HEATER SCHEDULES
- E1SITE PLAN AND SINGLE LINE DIAGRAM
- E2ALPINE COTTAGE AND BUNK HOUSE CRAWLSPACE - ELECTRICAL AND RISER DIAGRAM
- E3ALPINE COTTAGE AND BUNK HOUSE FLOOR PLANS - LIGHTING, POWER AND SYSTEMS

MOTOR SCHEDULE ALPINE COTTAGE AND BUNK HOUSE

MOTOR No.	NAME	LOCATION	H.P. (kW)	VOLTS	STARTER & ACC.				CIRCUIT	STARTER LOCATION	FEEDER	TIME DELAY RELAY	FIRE ALARM SHUTDOWN	REMARKS
					MAN	MAG	PL	HOA						
HWT-1	HOT WATER TANK	ALPINE COTTAGE MECH ROOM	FRAC	120 1ϕ					AC-35	AT UNIT	2#12			NATURAL GAS, POWER FOR CONTROLS ONLY
HRV-1	HEAT RECOVERY VENTILATOR	ALPINE COTTAGE MECH ROOM	252W	120 1ϕ					AC-36	AT UNIT	2#12			PLUG IN CORD
P-1	SUMP PUMP	ALPINE COTTAGE CRAWLSPACE	0.5	120 1ϕ					AC-38	CRAWLSPACE	2#10			PLUG IN CORD
FU-1	FURNACE	ALPINE COTTAGE MECH ROOM	FRAC	120 1ϕ					AC-37	AT UNIT	2#12			
CF-1	CEILING FAN	ALPINE COTTAGE MAIN AREA	100W	120 1ϕ	✓				AC-34	MAIN AREA SWITCH	2#12			SWITCH PROVIDED BY MECHANICAL
CF-2	CEILING FAN	ALPINE COTTAGE MAIN AREA	100W	120 1ϕ	✓				AC-34	MAIN AREA SWITCH	2#12			SWITCH PROVIDED BY MECHANICAL
EF-1	EXHAUST FAN	ALPINE COTTAGE CRAWLSPACE	0.25	120 1ϕ		✓			AC-39	ALPINE COTTAGE MECH ROOM	2#12			
HWT-2	HOT WATER TANK	BUNK HOUSE MECH ROOM	FRAC	120 1ϕ					BH-19	AT UNIT	2#12			NATURAL GAS, POWER FOR CONTROLS ONLY
HRV-2	HEAT RECOVERY VENTILATOR	BUNK HOUSE MECH ROOM	252W	120 1ϕ					BH-21	AT UNIT	2#12			PLUG IN CORD
P-2	SUMP PUMP	BUNK HOUSE CRAWLSPACE	0.5	120 1ϕ	✓				BH-23	CRAWLSPACE	2#10			PLUG IN CORD
EF-2	EXHAUST FAN	BUNK HOUSE CRAWLSPACE	0.25	120 1ϕ		✓			BH-22	BUNK HOUSE MECH ROOM	2#12			
FU-2	FURNACE	BUNK HOUSE MECH ROOM	FRAC	120 1ϕ					BH-20	AT UNIT	2#12			

HEATER SCHEDULE

Cottages

HEATER VOLTAGE IS TO BE TAKEN FROM THE VOLTAGE COLUMN IN THE SCHEDULE

TYPE	WATTS	VOLTAGE	DESCRIPTION	NOTES	APPROVED MANUFACTURERS
BBH-1	1500W	240V/1ϕ	STEEL BASEBOARD WITHOUT FLOOR PEDESTAL WHITE EXTERIOR 1683 mm LENGTH		OUELLET: OFM1500 Q-MARK: 2546W STELPRO: B1502ERW
BBH-2	1000W	240V/1ϕ	STEEL BASEBOARD WITHOUT FLOOR PEDESTAL WHITE EXTERIOR 1207 mm LENGTH		OUELLET: OFM1000 Q-MARK: 2544W STELPRO: B1002ERW
TA		240V/1ϕ	SINGLE POLE BI-METAL THERMOSTAT RATED AT 25A		OUELLET: TB6 Q-MARK: TA1AW STELPRO: B1T1W

SYMBOL LEGEND

	RECESSED FIRE ALARM PANEL
	PULL STATION
	SMOKE DETECTOR
	SMOKE ALARM
	HEAT DETECTOR
	STROBE (cd = CANDELA RATING)
	COMBINATION HORN STROBE (cd = CANDELA RATING)
	CARBON MONOXIDE DETECTOR
	END OF LINE RESISTOR
	VOICE DATA OUTLET C/W 2-CAT 6 CABLES (2V DENOTES 2 VOICE OUTLETS, 2D DENOTES 2 DATA OUTLETS)
	CATV OUTLET C/W RG59 AND CAT 6 OUTLETS
	DUPLEX RECEPTACLE
	DUPLEX RECEPTACLE 20A 1T SLOT 5-20R
	GFI DUPLEX RECEPTACLE
	GFI DUPLEX RECEPTACLE 20A
	GFI DUPLEX RECEPTACLE 30A
	RANGE RECEPTACLE
	DRYER RECEPTACLE
	JUNCTION BOX
	MOTOR
	MOTOR AND DISCONNECT
	MAGNETIC STARTER
	UTILITY METER, METER BASE AND INSTRUMENTATION CABINET
	RECESSED MOUNTED PANEL
	GROUND BAR
	DOWN LIGHT
	WALL MOUNTED FIXTURE
	LIGHT FIXTURE CONNECTED TO NIGHT LIGHT CIRCUIT (TYPICAL FOR ALL LIGHT FIXTURES)
	LUMINAIR, A1-PANEL AND CIRCUIT, a-CONTROL
	SWITCH
	3 WAY DIMMER SWITCH, a - CONTROL
	4 WAY DIMMER SWITCH, a - CONTROL
	PHOTOCELL
	OCCUPANCY SENSOR
	VACANCY SENSOR AND SWITCH
	MOUNTED ABOVE COUNTER
	NOT IN CONTRACT
	MOUNTED UNDER COUNTER
	WEATHER PROOF
	LIT TOGGLE

\* PLEASE NOTE \*

ALL EQUIPMENT SHOWN "FADED BACK" IS EXISTING TO REMAIN UNLESS OTHERWISE NOTED.

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Client

**PWGSC / TPSGC**

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Project title

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**WLNP ALPINE STABLES RECONSTRUCTION ALPINE COTTAGE AND BUNKHOUSE**

Designed by  
**SS**

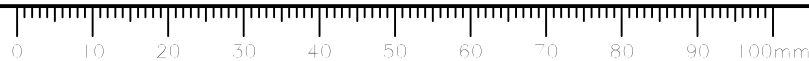
Drawn by  
**WPD**

Approved by  
**SS**

PWGSC Project Manager  
**MICHAEL LYZANIEWSKI**

Drawing title

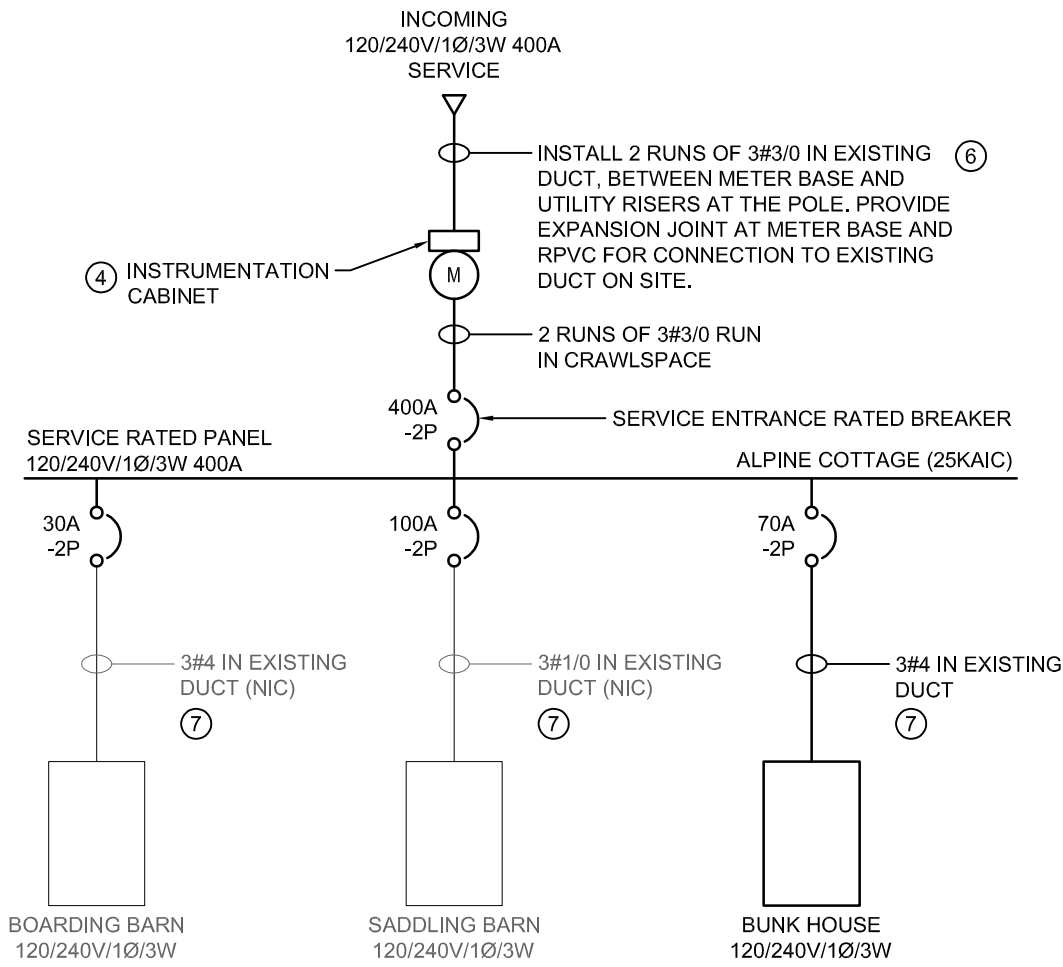
**DRAWING LIST, SYMBOL LEGEND, MOTOR AND HEATER SCHEDULES**





KEY NOTES

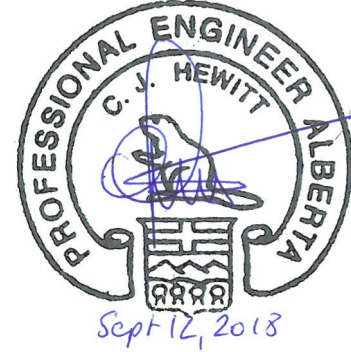
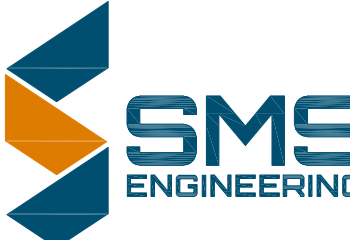
- SITE RELATED DUCT WORK IS NOT IN SCOPE AND IS SHOWN FOR REFERENCE ONLY. WORK IS EXPECTED TO BE COMPLETE UNDER A SEPARATE TENDER PACKAGE (FOUNDATION PACKAGE), EXTEND DUCTS INTO FINAL POSITION IN BUILDING.
- CONTRACTOR TO INSTALL WIRE IN EXISTING DUCT AS NOTED ON SINGLE LINE DIAGRAM. COORDINATE WITH UTILITY PRIOR TO MAIN FEEDER INSTALLATION.
- CONTRACTOR TO INSTALL FIBRE CABLE IN EXISTING CONDUIT FROM ALPINE COTTAGE COMMUNICATION BACK BOARD TO BOARDING BARN. REFER TO DETAIL 5, DRAWING E2.
- CONTRACTOR TO SUPPLY, INSTALL AND TERMINATE OUTDOOR INSTRUMENT CABINET AND UTILITY METER BASE. PERFORM WORK IN ACCORDANCE WITH "FORTIS ALBERTA SERVICE AND METERING GUIDE - NOVEMBER 2015 VERSION 4.0", DRAWING NUMBER SMG 2.16.4.
- 2-19mm Ø COPPER CLAD STEEL DRIVEN ELECTRODES INTERCONNECTED WITH #3 BARE COPPER CONDUCTOR. RUN INSULATED #3 COPPER CONDUCTOR TO GROUND BAR IN MAIN PANEL.
- CONDUCTOR SIZED PER TABLE D11A, DETAIL 2. INSTALL PER DIAGRAM D11, DETAIL 2.
- INSTALL PER DETAIL D11.



1 SINGLE LINE DIAGRAM  
E1 SCALE: NTS

SITE PLAN  
SCALE: 1:400

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Revision	Description	Date
3	ISSUED FOR CONSTRUCTION	2018 09 12
2	ISSUED FOR 90% REVIEW	2018 08 21
1	ISSUED FOR 90% PRICING	2018 08 08
0	ISSUED FOR 60% REVIEW	2018 07 26

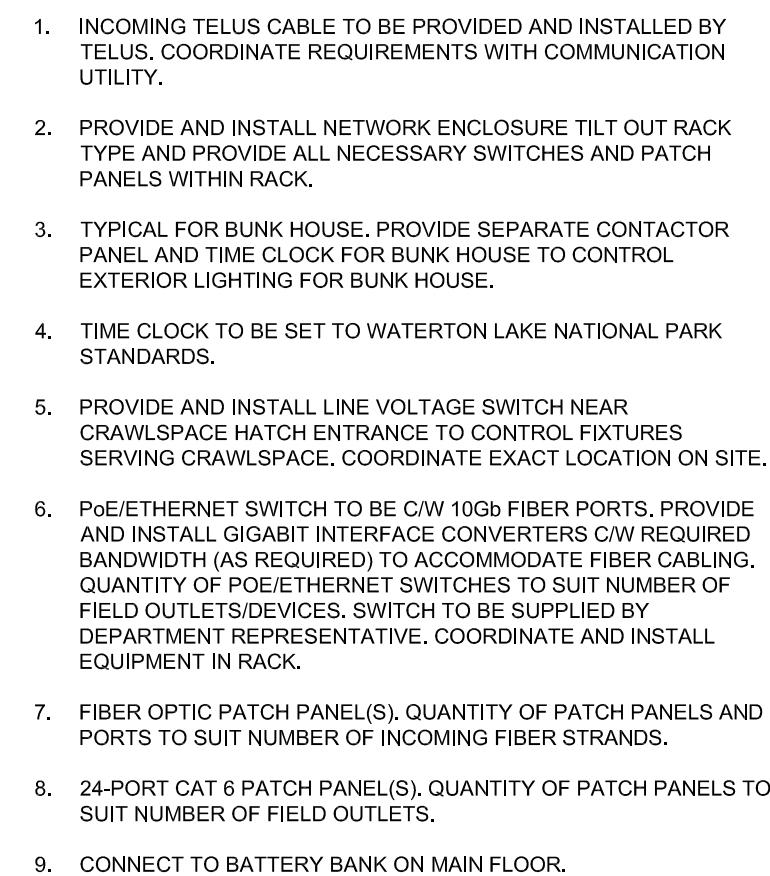
Client	PWGSC / TPSGC	
Project title	SECTION 25, NE CORNER, TOWNSHIP ONE, RANGE 30, WEST OF THE 4TH WATERTON, ALBERTA WLNP ALPINE STABLES RECONSTRUCTION ALPINE COTTAGE AND BUNKHOUSE	
Designed by	SS	
Drawn by	WPD	
Approved by	SS	
PWGSC Project Manager	MICHAEL LYZANIEWSKI	
Drawing title	SITE PLAN AND SINGLE LINE DIAGRAM	

Project no.	Drawing no.	Revision no.
R.096286.001	E1 OF 4	3





- A. FIBER CABLEING AND TERMINATIONS BY ELECTRICAL CONTRACTOR.
- B. ELECTRICAL CONTRACTOR TO MAKE ALL 120V CONNECTIONS.
- C. ELECTRICAL CONTRACTOR TO SUPPLY COMMS. CABINET COMPLETE WITH ALL PATCH PANELS, ALL SWITCHES AND CABLES (UNLESS INDICATED ON PLANS). ELECTRICAL CONTRACTOR IS TO INSTALL AND PULL ALL CABLES TO CABINET FROM ALL DEVICES AND IS TO COORDINATE ALL CABLE TYPE PRIOR TO INSTALL. ELECTRICAL CONTRACTOR TO SUPPLY ALL CABLES AND MAKE ALL CABLE TERMINATIONS.
- D. QUANTITY OF PATCH PANELS AND SWITCHES IS TYPICAL.
- E. PATCH PANELS, SWITCHES AND CABINET TO BE INSTALLED BY ELECTRICAL CONTRACTOR. ALL ACTIVE EQUIPMENT TO BE SUPPLIED BY DEPARTMENT REPRESENTATIVE. COORDINATE REQUIREMENTS WITH DEPARTMENT REPRESENTATIVE.



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**WLNP ALPINE STABLES RECONSTRUCTION  
ALPINE COTTAGE  
AND BUNKHOUSE**

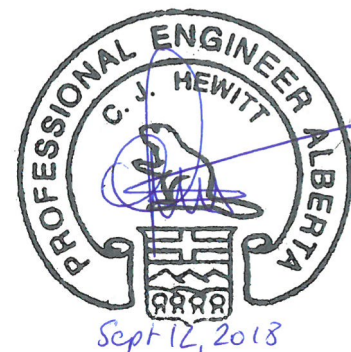
PWGSC Project Manager  
**MICHAEL LYZANOWSKI**



1. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING EXACT LAYOUT, ROUTING, ETC. VERIFY EXISTING SERVICES ON SITE.
2. CONTRACTOR SHALL ENSURE COORDINATION BETWEEN ALL TRADES AND CONSULTANT, ON AND OFF SITE, AS REQUIRED FOR INSTALLATION OF ELECTRICAL EQUIPMENT.
3. EXACT LOCATIONS OF ALL POWER & SYSTEM DISCONNECTS TO BE CONFIRMED ON SITE WITH INTERIOR DESIGNER PRIOR TO ROUGH-IN.
4. REFER TO FOUNDATIONS PACKAGE FOR SITE PLAN AND POWER DISTRIBUTION.
5. PC AND PE TYPE FIXTURES OVER KITCHEN TABLE IN KITCHEN 12 AND 17 ARE TO BE MOUNTED AT 3 METERS AFF. COORDINATE FINAL ELEVATION WITH ARCHITECT.

## KEY NOTES

1. PROVIDE ON/OFF PHOTO SENSOR TO AUTOMATICALLY TURN EXTERIOR FIXTURES ON OR OFF BASED ON SELECTED AMBIENT LIGHT LEVELS. LOCATE PHOTO SENSOR HIGH UP ON WALL OF THE BUILDING.
2. PROVIDE 12VDC, 100W DC EMERGENCY LIGHTING BATTERY BANK. WIRE TO ALL DC LIGHTING WITH #10 AWG IN CONDUIT. BATTERY BANK TO PROVIDE 12VDC BACKUP OF EMERGENCY POWER. PROVIDE ZONE RELAY TO ALSO MONITOR CIRCUIT AC-42.
3. PROVIDE BACKBOARD C/W GROUND BARS AND RACK FOR VOICE/DATA, BUS BAR TO BE 5" MIN THICK BY 150mm LONG AND TO BE ON STAND-OFFS. REFER TO DETAIL 5 ON DRAWING E2 FOR NETWORK WIRING. PROVIDE #3/0 FT4 INSULATED, BOND TO BUILDING GROUND, LABEL TELECOM BONDING CONDUCTOR.
4. FED FROM MAIN CPD LOCATED IN THE ALPINE COTTAGE, REFER TO SINGLE LINE DIAGRAM DRAWING E1.
5. PROVIDE AND INSTALL SMOKE ALARM, WIRE TO LINE SIDE OF LIGHTING CIRCUIT AC-41 FOR ALPINE COTTAGE AND BH-25 FOR BUNK HOUSE, INTERCONNECT SMOKE ALARMS WITHIN EACH BUILDING SO THAT IF ONE ALARM IS ACTIVATED, ALL OTHER ALARMS WITHIN BUILDING ARE ALSO ACTIVATED.
6. READING LIGHT FOR EACH BED (2x BUNK BEDS). REFER TO ARCHITECTURAL ELEVATION FOR DETAILS.
7. RECEPTACLES MOUNTED NEXT TO EACH READING LIGHT. REFER TO ARCHITECTURAL ELEVATION FOR DETAILS.
8. PROVIDE AND INSTALL A RECESSED SINGLE STAGE ADDRESSABLE FIRE ALARM PANEL. REFER TO DETAILS 3 ON DRAWING E2 FOR FIRE ALARM RISER DIAGRAM.
9. SUPPLY, WIRE AND INSTALL NEW CARBON MONOXIDE DETECTOR. INSTALL PER NFPA 720, WIRE PWS A DEDICATED NOTIFICATION LOOP, FIRE ALARM SYSTEM TO PROVIDE A DISTINCT SIGNAL UPON CARBON MONOXIDE ACTIVATION.
10. PROVIDE AND INSTALL LIGHTING CONTACTOR PANEL TO CONTROL EXTERIOR LIGHTING. PROVIDE AND INSTALL TIME CLOCK AND INTERCONNECT WITH CONTACTOR PANEL. REFER TO DETAIL 4 DRAWING E2 FOR LIGHTING CONTROL SCHEMATIC.
11. SWITCHES FOR CEILING FANS, SUPPLIED BY MECHANICAL AND INSTALLED BY ELECTRICAL.



**PWGSC / TPSGC**

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Project title

**SECTION 25, NE CORNER, TOWNSHIP ONE,  
RANGE 30, WEST OF THE 4TH  
WATERTON, ALBERTA**

**WLNP ALPINE STABLES RECONSTRUCTION  
ALPINE COTTAGE  
AND BUNKHOUSE**

Designed by

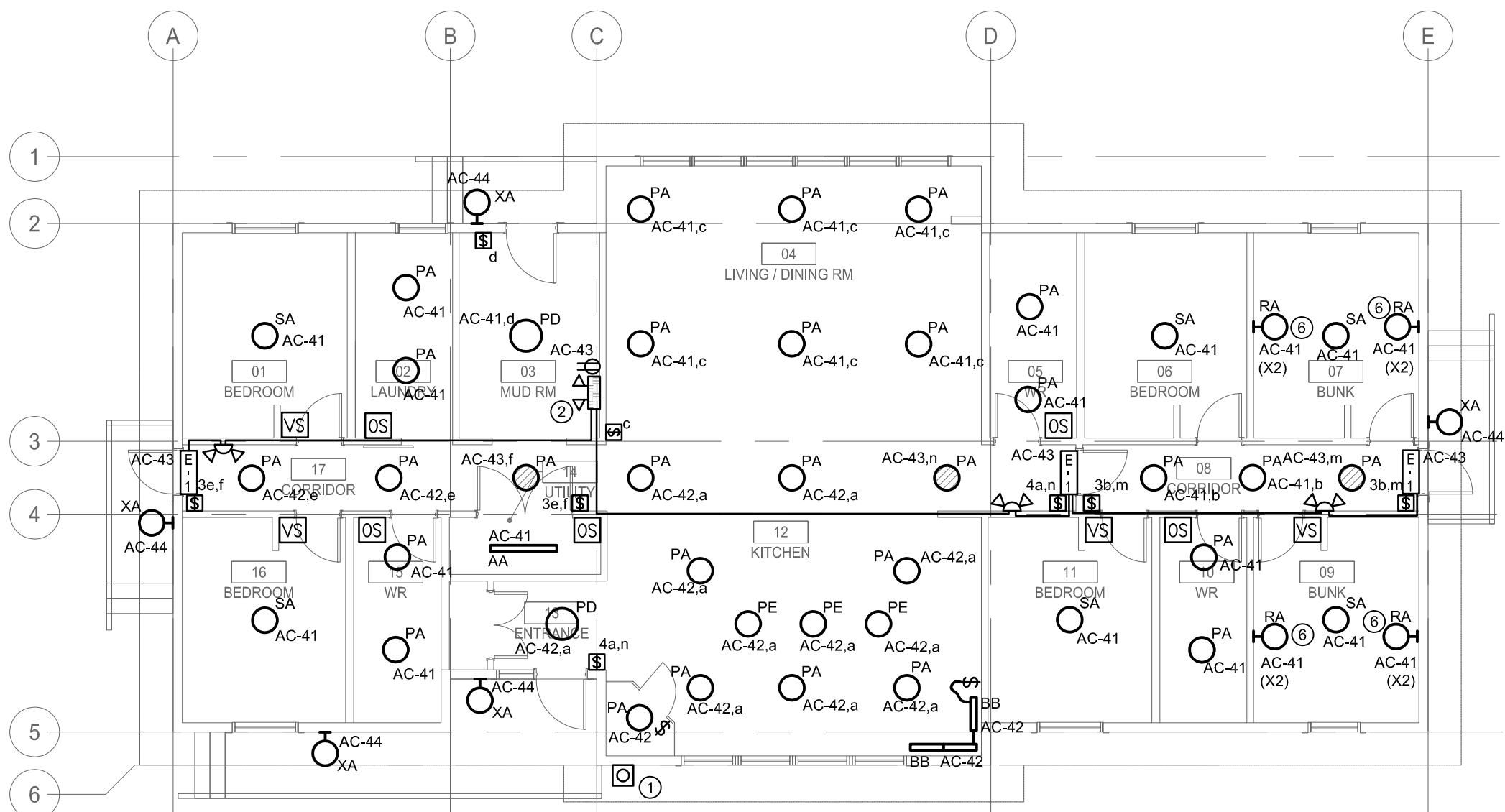
Drawn by

Approved by

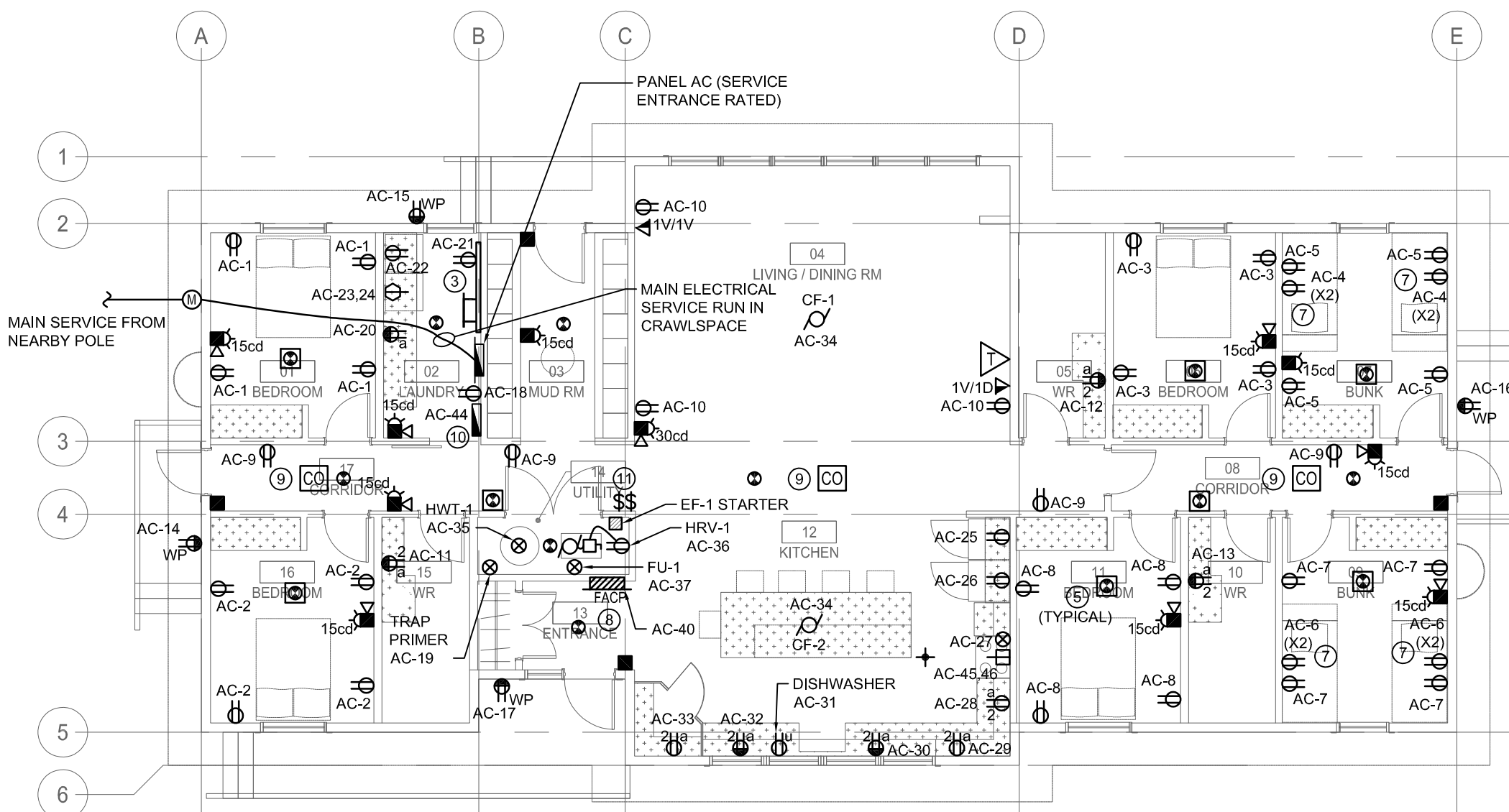
PWGSC Project Manager

## ALPINE COTTAGE AND BUNK HOUSE FLOOR PLANS - LIGHTING, POWER AND SYSTEMS

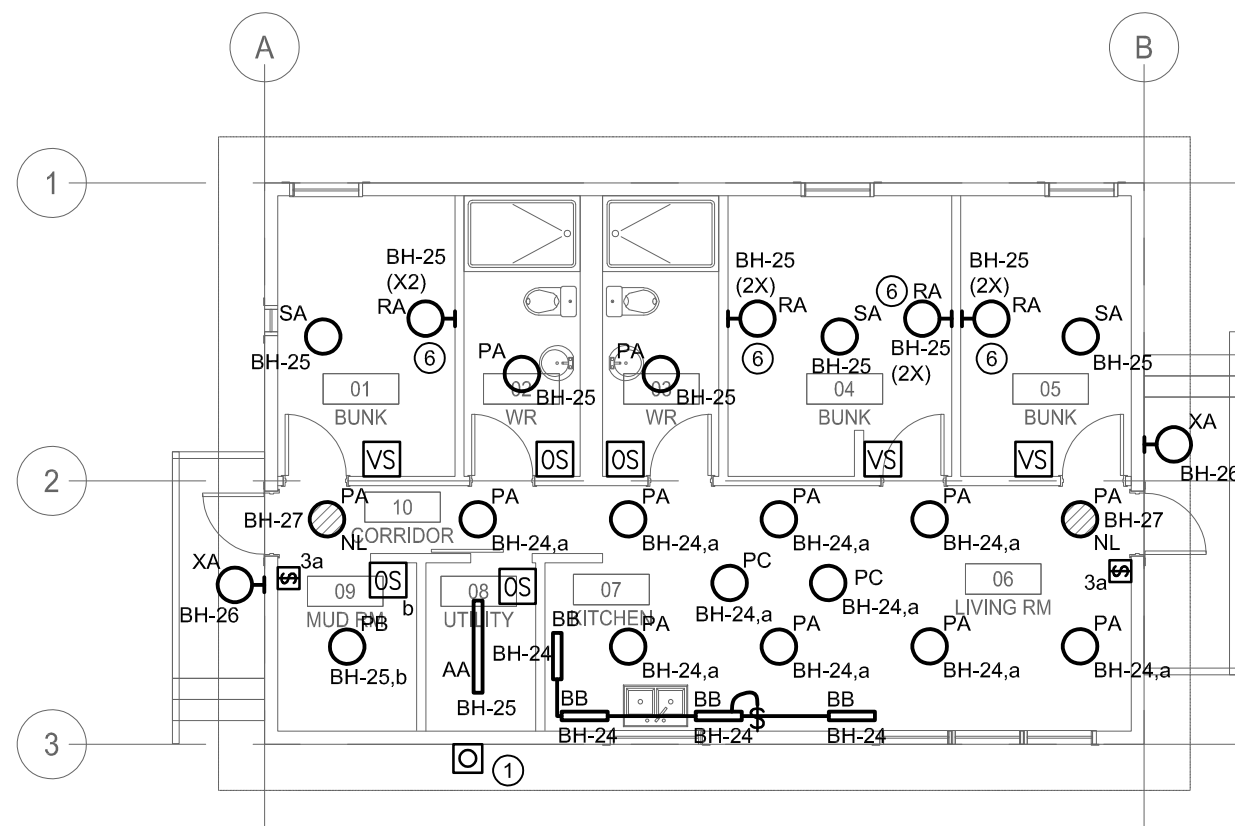
Project no.	Drawing no.	Revision no.
<b>R.096286.001</b>	<b>E3</b>	<b>3</b>



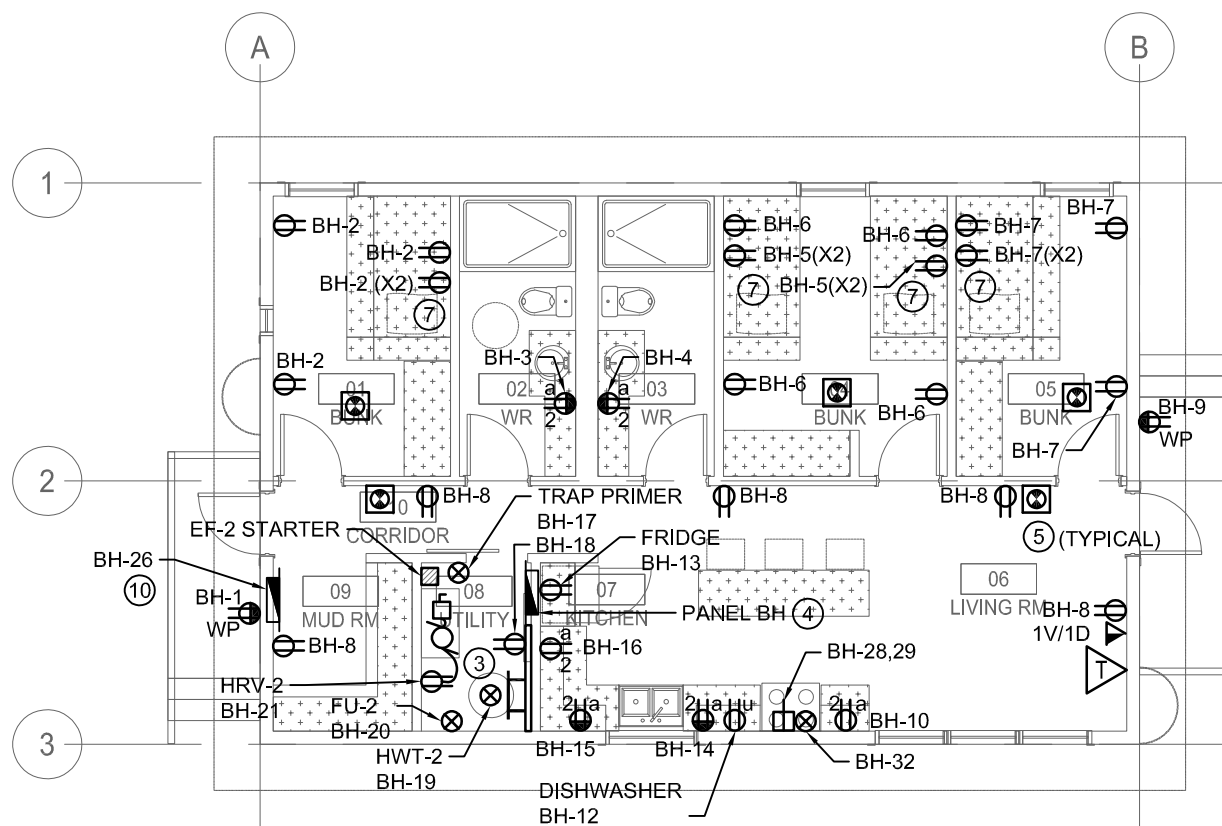
1 ALPINE COTTAGE FLOOR PLAN - LIGHTING  
E3 SCALE: 1:100



# 3 ALPINE COTTAGE FLOOR PLAN - POWER AND SYSTEMS E3 SCALE: 1:100



## 2 BUNK HOUSE FLOOR PLAN - LIGHTING



4 BUNK HOUSE FLOOR PLAN - POWER AND SYSTEMS  
E3 SCALE: 1:100

