



Public Works and  
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**



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

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  
**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 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:**

1. EXISTING SITE INFORMATION WAS TAKEN FROM DRAWINGS RECEIVED FROM PARKS CANADA 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.
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9. SITE CONFIRM EXACT QUANTITIES OF ITEMS TO BE DEMOLISHED PRIOR TO TENDER CLOSE.
10. ALL CONSTRUCTION MATERIAL, RECYCLING & WASTE TO BE TAKEN OFF SITE BY CONTRACTOR.
11. ALL WORK MUST REMAIN WITHIN THE SITE BOUNDARY TO ENSURE THERE IS NO DISRUPTION OR DAMAGE TO THE BUTTERFLY HABITAT.

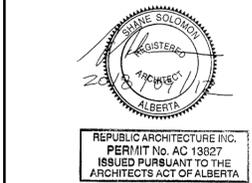
**ABBREVIATIONS:**

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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www.republicarchitecture.ca



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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

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**

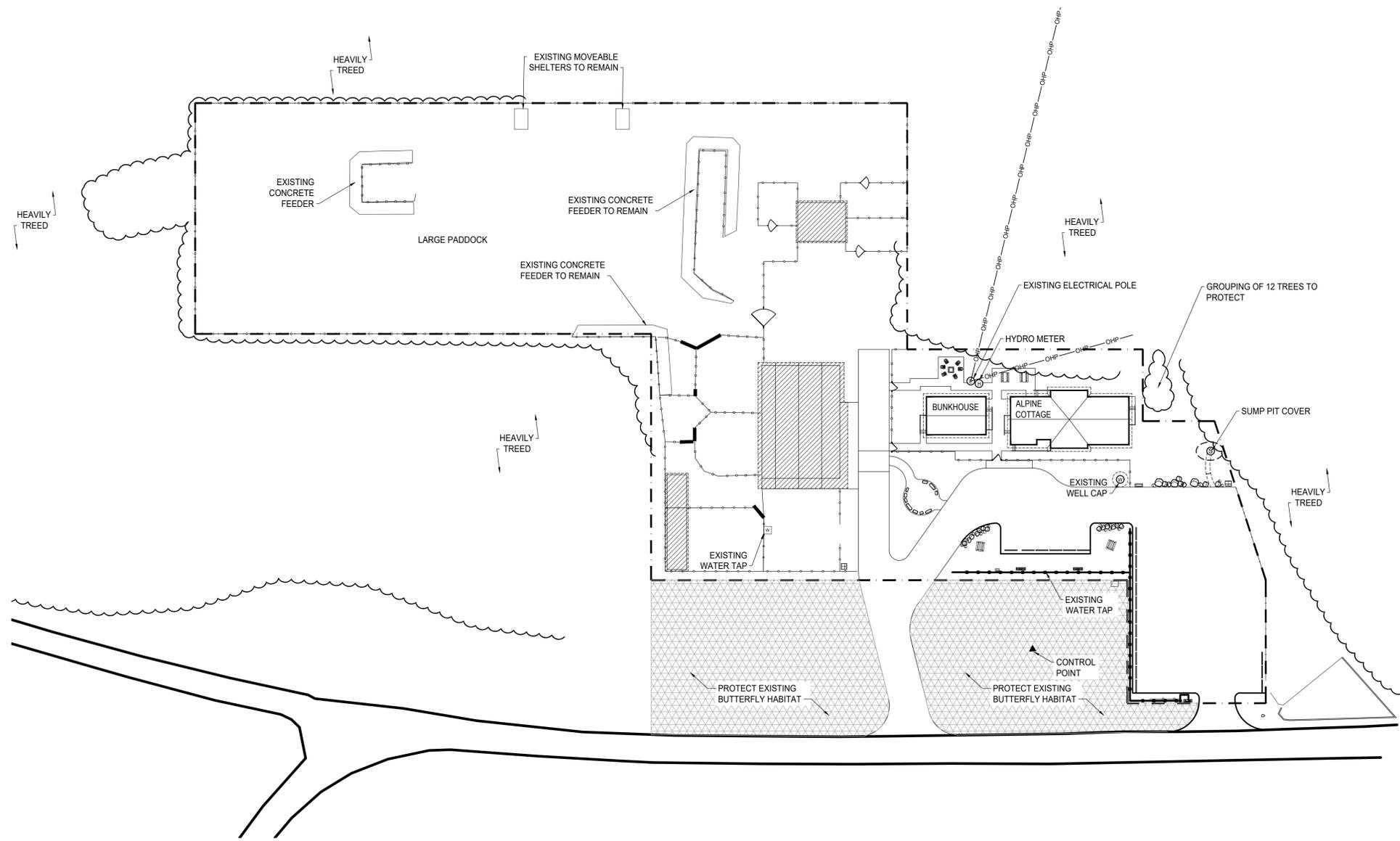
Approved by  
**JR**

PWGC Project Manager  
**MICHAEL LYZANOWSKI**

Drawing title

**LIST OF CONSULTANTS  
LIST OF DRAWINGS, CODE REVIEW  
GENERAL NOTES**

Project no.	Drawing no.	Revision no.
<b>R.096286.001</b>	<b>A0.1</b>	<b>2</b>



**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
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	SHP 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	UIS Underside
FHC Fire Hose Cabinet	PT Pressure Treated	WI Win

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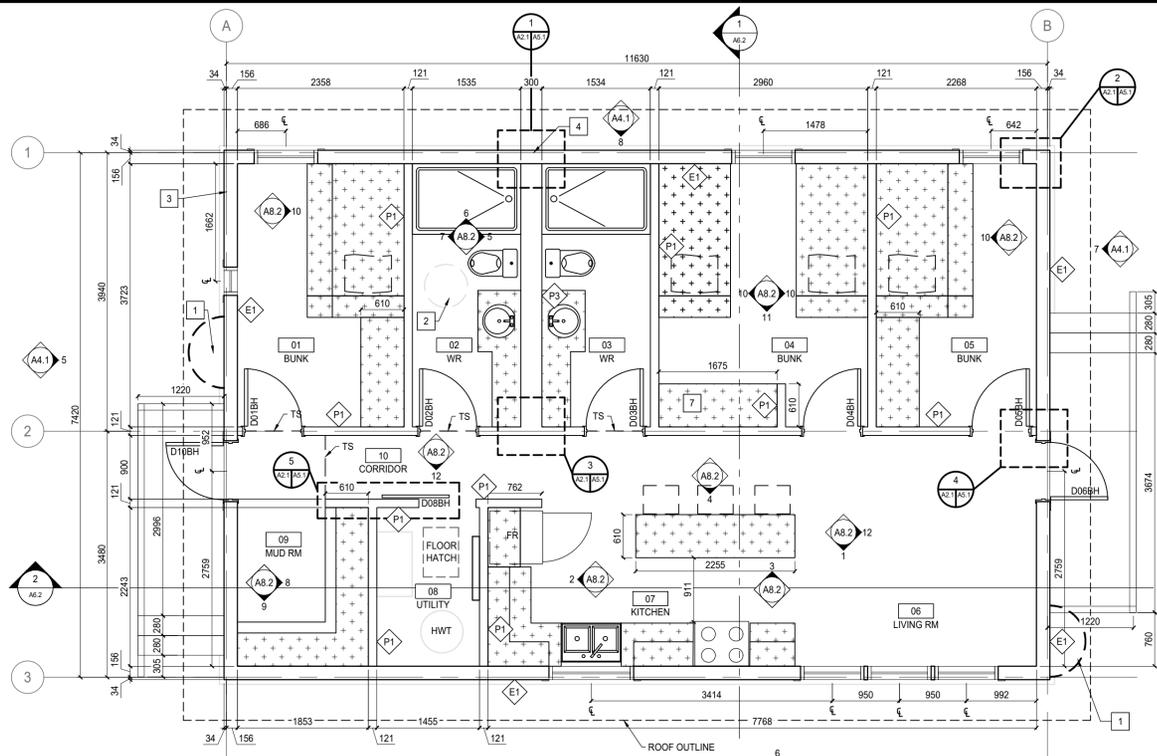
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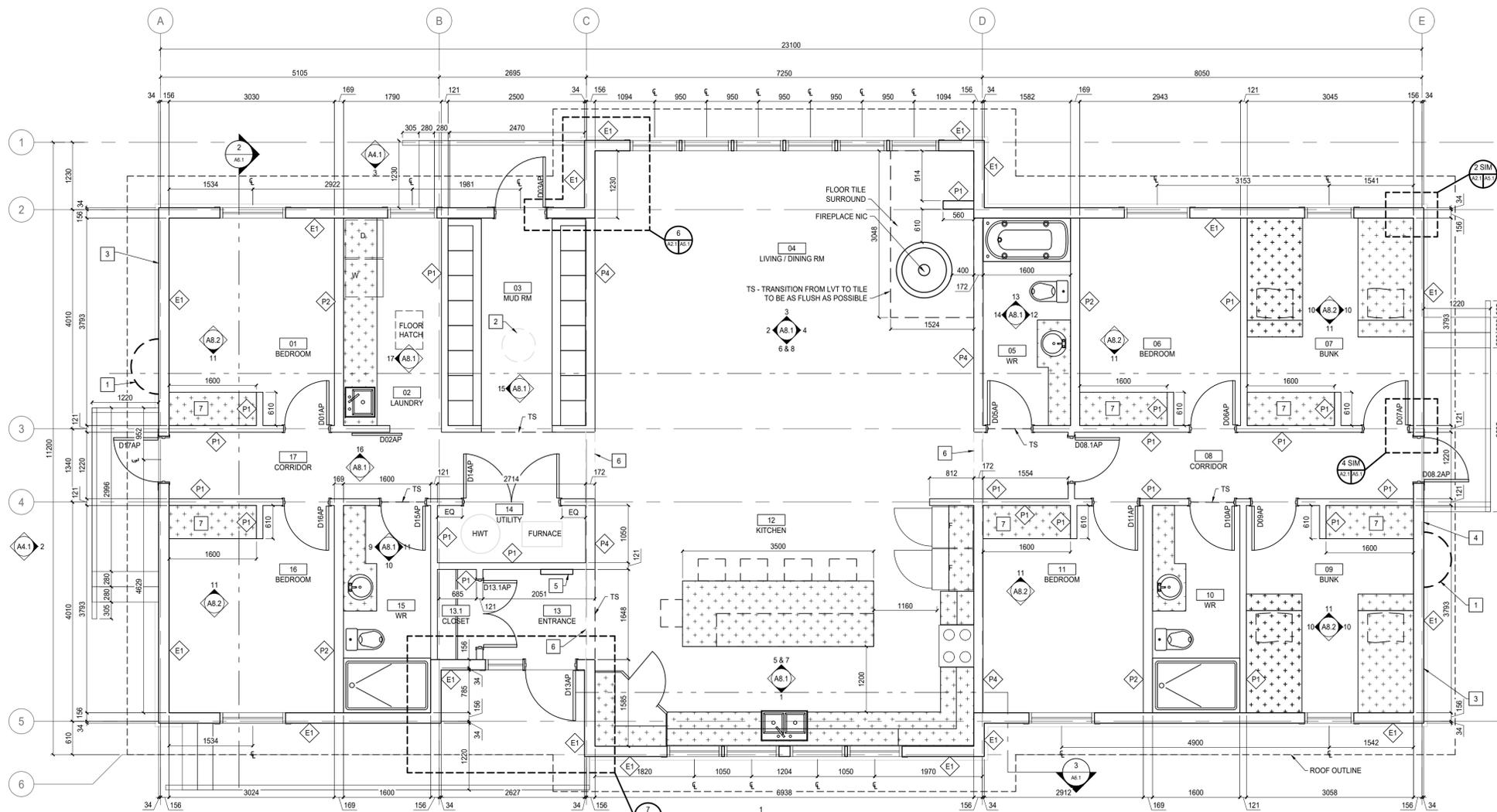
Designed by  
**MS**  
Drawn by  
**HA**  
Approved by  
**JR**  
PWGC Project Manager  
**MICHAEL LYZANOWSKI**

Drawing title  
**SITE PLAN**

Project no.	Drawing no.	Revision no.
<b>R.096286.001</b>	<b>A1.0</b>	<b>2</b>



**1 BUNKHOUSE CONSTRUCTION PLAN**  
A2.1 1:50



**2 ALPINE COTTAGE CONSTRUCTION PLAN**  
A2.1 1:50

**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:**

- |      |                       |      |                        |      |                          |
|------|-----------------------|------|------------------------|------|--------------------------|
| 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              |
| ANP  | 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             | SHIP | 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              | O/C  | On Centre              | TV   | Television               |
| EXP  | Exposed               | PLY  | Plywood                | TYP  | Typical                  |
| FD   | Floor Drain           | PT   | Pressure Treated       | U/S  | Underside                |
| FHC  | Fire Hose Cabinet     |      |                        | W    | With                     |

**FLOOR PLAN KEY NOTES:**

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

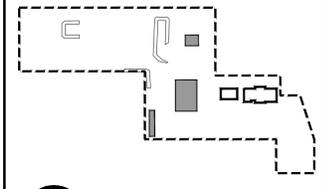
**RESIDENCE NEW WALL TYPES:**

- EXTERIOR WALL - CEMENT SIDING**
  - 8 mm FIBER CEMENT SIDING EXTERIOR WALL FINISH
  - 13 mm PT 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 FASTENERS
  - 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 FASTENERS
  - 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 SKIM COAT
  - 100 mm RIGID INSULATION
  - 16 MI VAPOUR BARRIER

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F 204 989 0094  
www.republicarchitecture.ca



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

**REPUBLIC ARCHITECTURE INC.**  
REGISTERED ARCHITECT  
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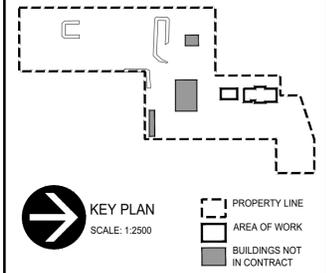
Project title: **SECTION 25, NE CORNER, TOWNSHIP ONE, RANGE 30, WEST OF THE 4TH WATERTON, ALBERTA**

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

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

Drawing title: **ALPINE COTTAGE AND BUNKHOUSE NEW CONSTRUCTION FLOOR PLANS**

Project no.	Drawing no.	Revision no.
<b>R.096286.001</b>	<b>A2.1</b>	<b>2</b>



**GENERAL NOTES:**

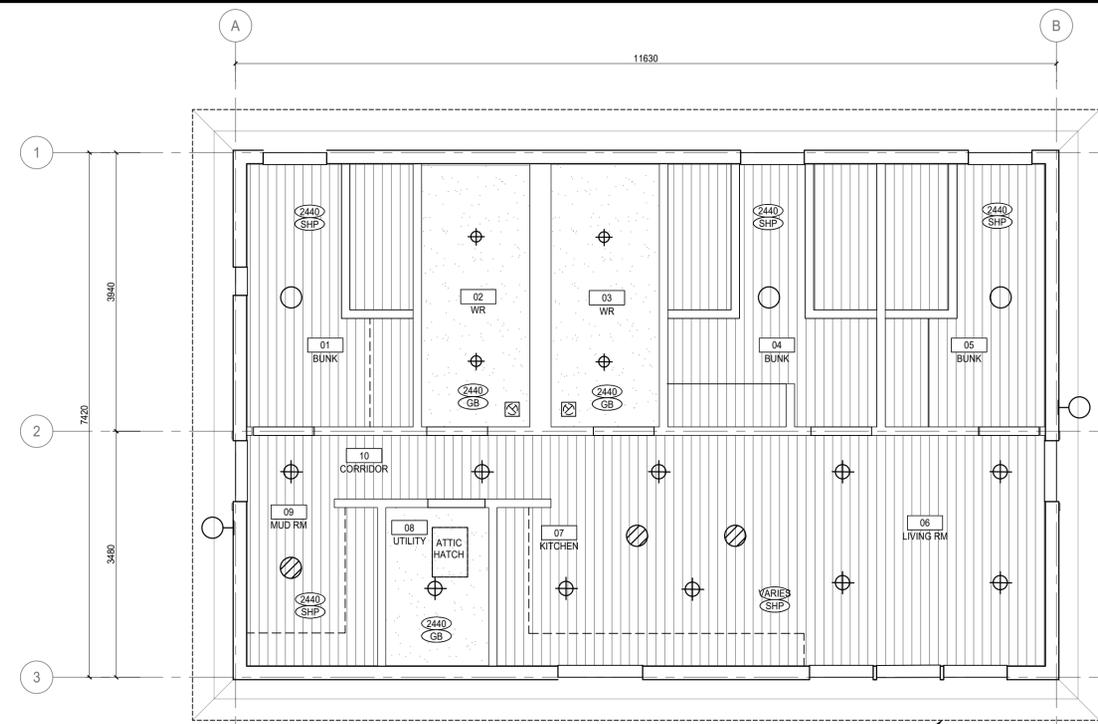
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**ABBREVIATIONS:**

- |      |                       |      |                        |      |                          |
|------|-----------------------|------|------------------------|------|--------------------------|
| 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             |
| 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   | Track 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                     |

**PLAN LEGEND**

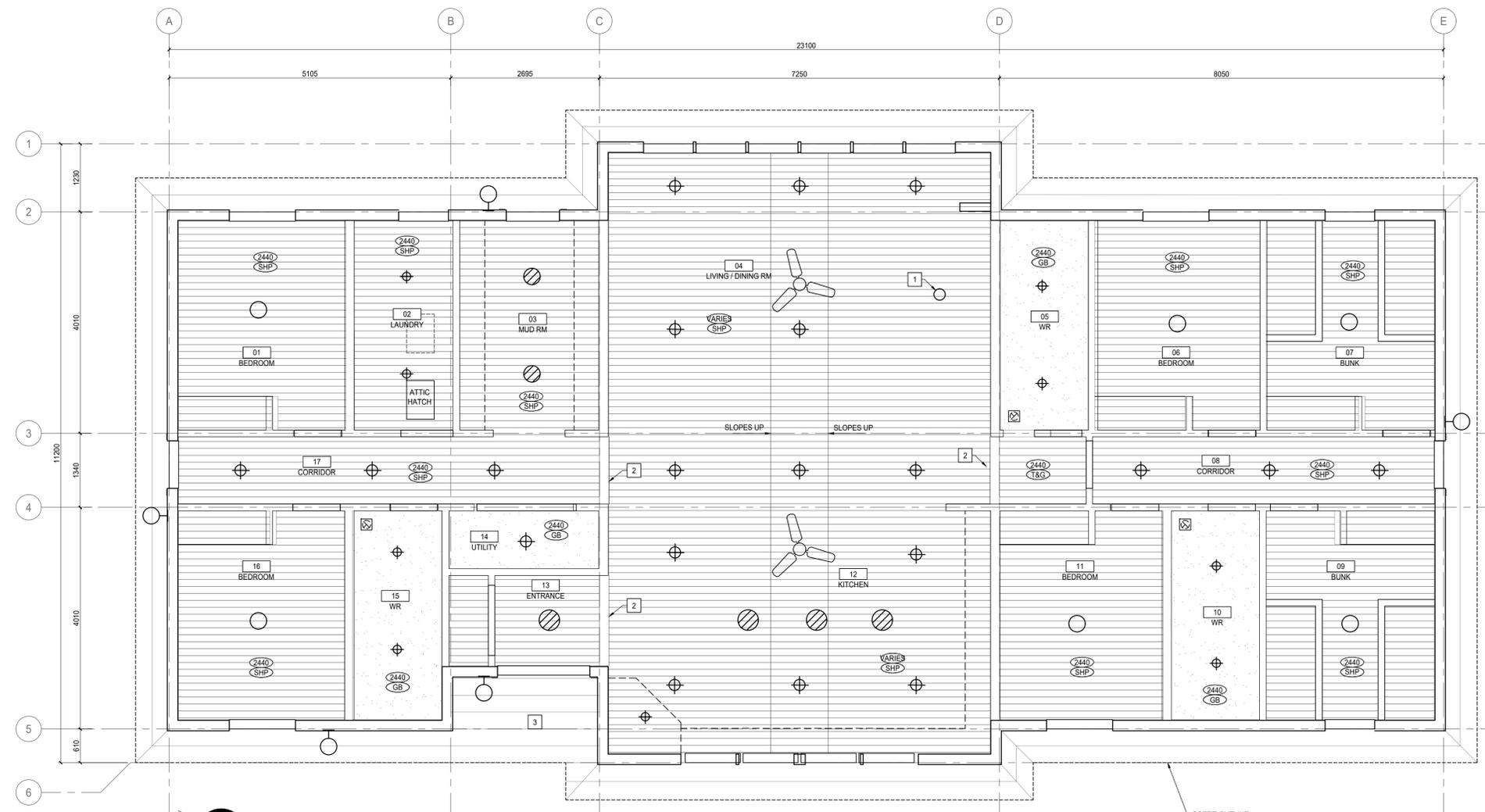
- NEW DOWNLIGHT
- ⊕ NEW POTLIGHT
- I WALL MOUNTED FIXTURE
- I NEW SUSPENDED LIGHT FIXTURE
- ⊕ MECHANICAL VENT
- NEW GYPSUM CEILING - PAINTED
- NEW SHIP LAP PINE CEILING - PAINTED. BOARDS TO BE RUN IN DIRECTION AS INDICATED. WIDTH OF BOARD REPRESENTATIVE ONLY.
- CEILING HEIGHT, A.F.F. CEILING FINISH
-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



1 BUNKHOUSE REFLECTED CEILING PLAN  
A3.1 1:50

**KEY NOTES:**

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



2 ALPINE COTTAGE REFLECTED CEILING PLAN  
A3.1 1:50



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

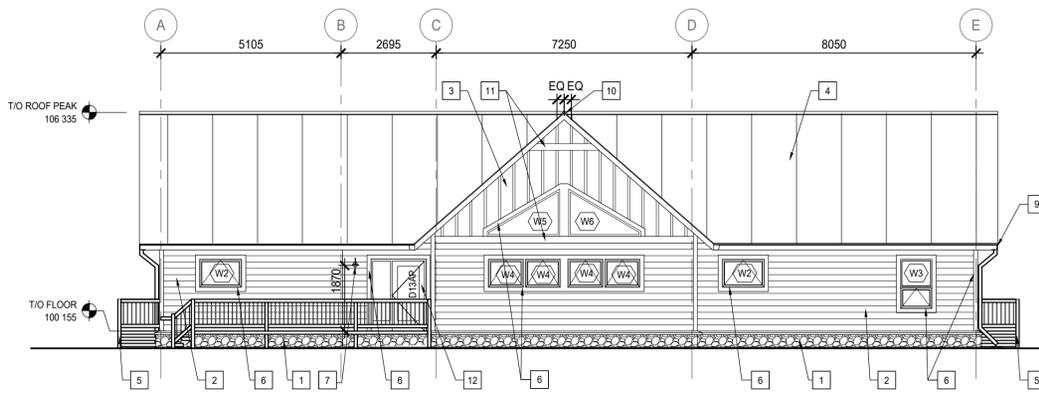
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Drawn by  
**HA**  
Approved by  
**JR**  
PWGSC Project Manager  
**MICHAEL LYZANIVSKI**

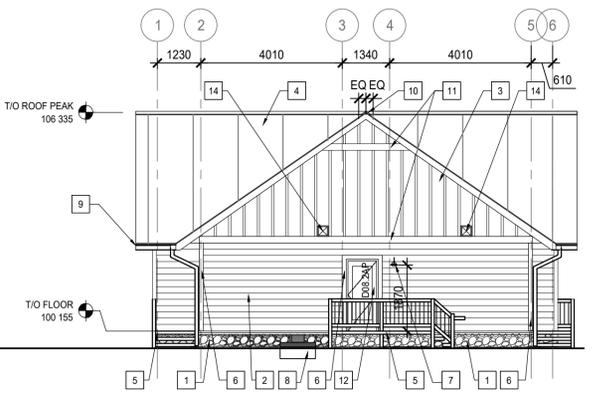
Drawing title  
**ALPINE COTTAGE AND BUNKHOUSE REFLECTED CEILING PLANS**

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

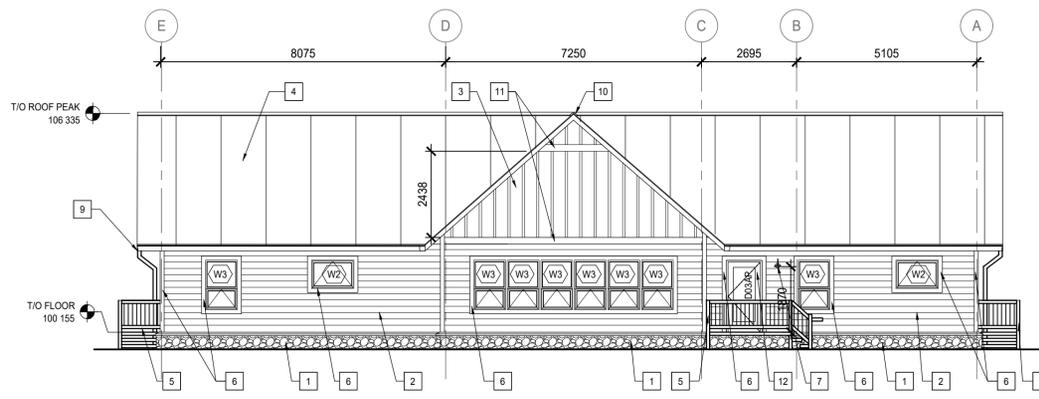




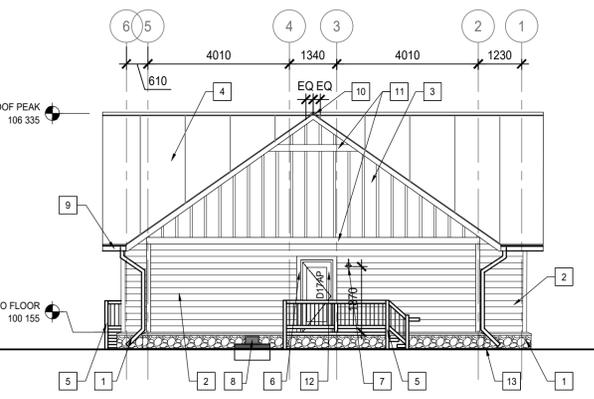
1 ALPINE COTTAGE - EAST ELEVATION  
A4.1 1:100



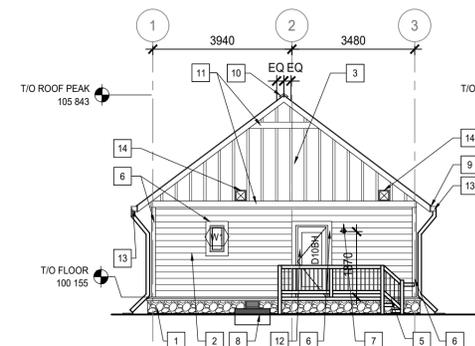
2 ALPINE COTTAGE - SOUTH ELEVATION  
A4.1 1:100



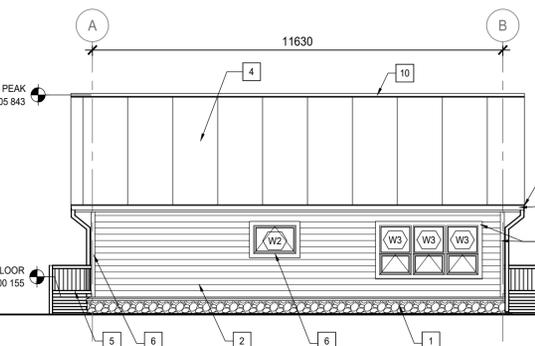
3 ALPINE COTTAGE - WEST ELEVATION  
A4.1 1:100



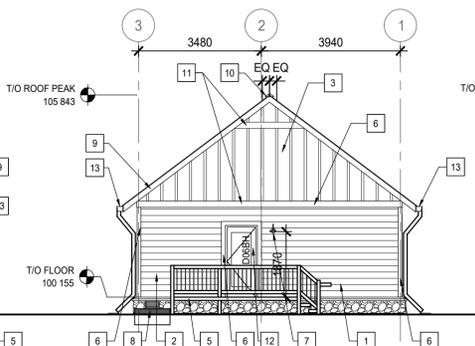
4 ALPINE COTTAGE - NORTH ELEVATION  
A4.1 1:100



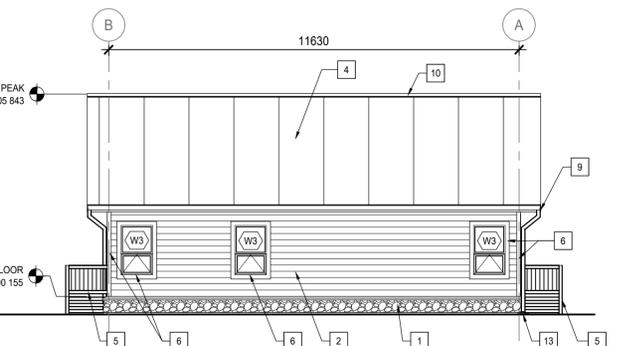
5 BUNK HOUSE - SOUTH ELEVATION  
A4.1 1:100



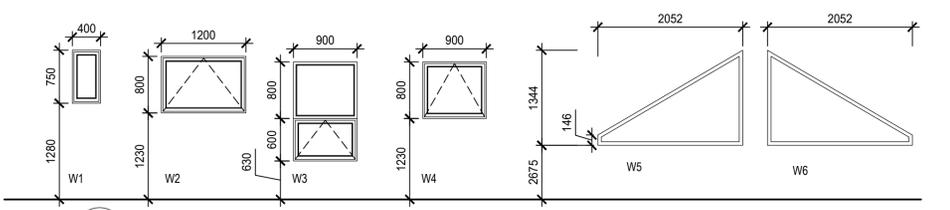
6 BUNK HOUSE - EAST ELEVATION  
A4.1 1:100



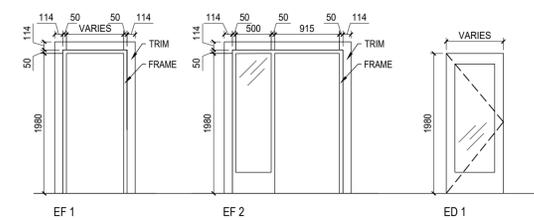
7 BUNK HOUSE - NORTH ELEVATION  
A4.1 1:100



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

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B/W Between	HWT Hot Water Tank	RTF Resilient Tile Floor
CPT Carpet Tile	MAX Maximum	RM Room
CG Corner Guard	MECH Mechanical	SHIP Ship
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FD Floor Drain	PLY Plywood	UIS Underside
FHC Fire Hose Cabinet	PT Pressure Treated	W/ With

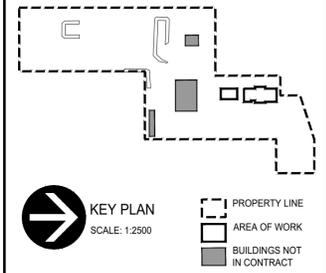
**ALPINE COTTAGE AND BUNKHOUSE KEY NOTES:**

- 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 406MM 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.

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

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

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



**KEY PLAN**  
SCALE: 1:2500

PROPERTY LINE  
AREA OF WORK  
BUILDINGS NOT IN CONTRACT

SEAN SOLOMON  
REGISTERED ARCHITECT  
2018  
ALBERTA

REPUBLIC ARCHITECTURE INC.  
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0	66% Construction Documents Submission	2018 07 26

**Client**

**PWGC / TPSGC**

ATB Place North Tower  
10025 Jasper Ave, 5th Floor  
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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**  
MS

**Drawn by**  
HA

**Approved by**  
JR

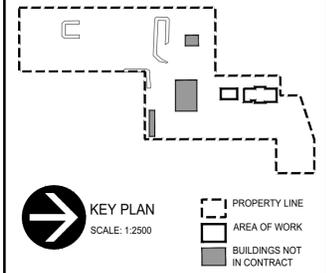
PWGC Project Manager  
**MICHAEL LYZANOWSKI**

**Drawing title**

**ALPINE COTTAGE AND BUNKHOUSE  
EXTERIOR ELEVATIONS**

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





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**ALPINE COTTAGE AND BUNKHOUSE**

Designed by  
**MS**

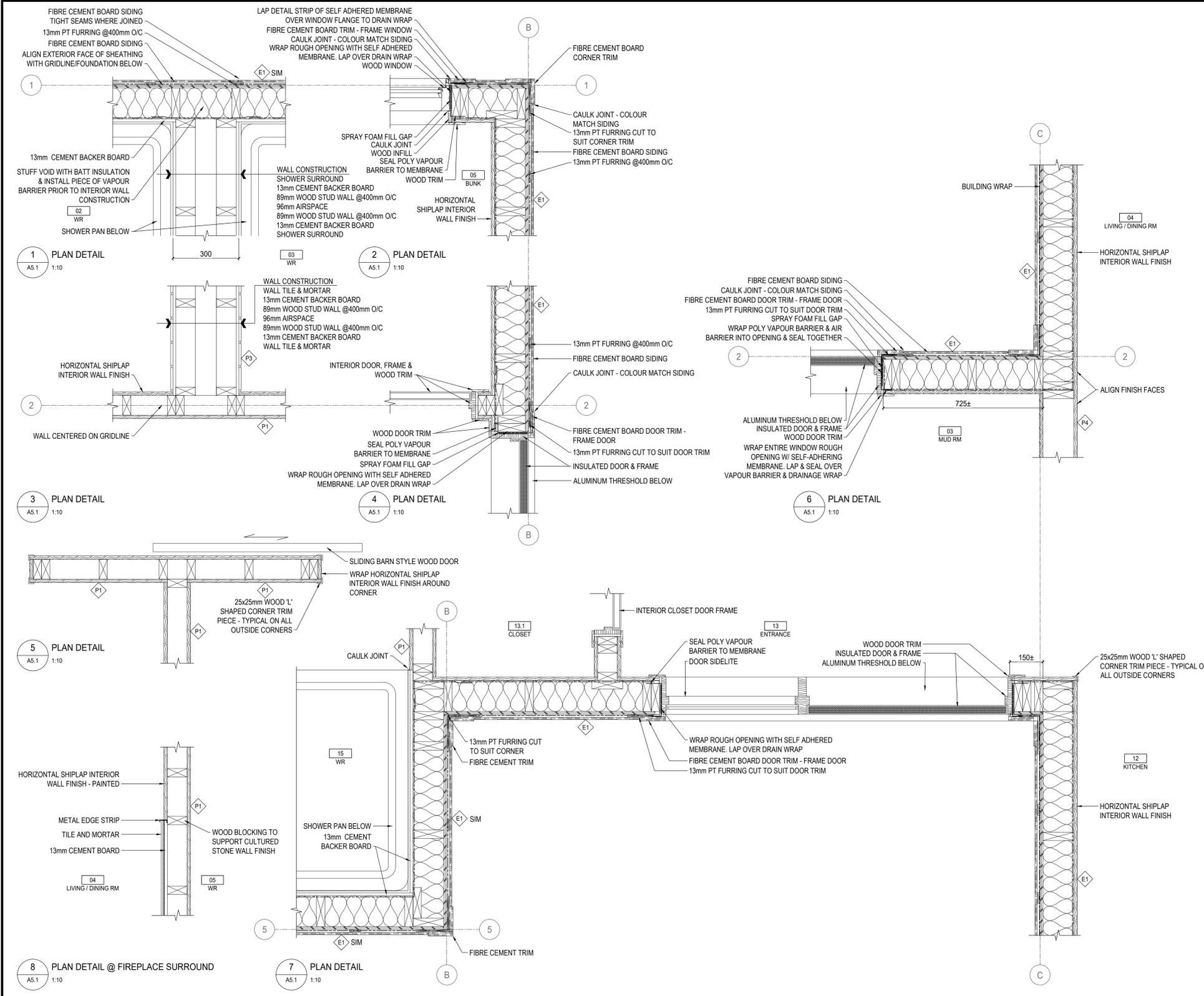
Drawn by  
**JL**

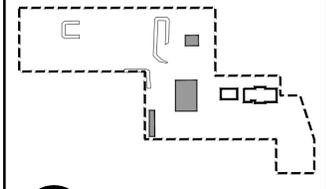
Approved by  
**JR**

PWGC Project Manager  
**MICHAEL LYZANSKI**

Drawing title  
**ALPINE COTTAGE AND BUNKHOUSE**  
**PLAN DETAILS**

Project no.	Drawing no.	Revision no.
<b>R.096286.001</b>	<b>A5.1</b>	<b>2</b>





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**WLNP ALPINE STABLES RECONSTRUCTION  
ALPINE COTTAGE  
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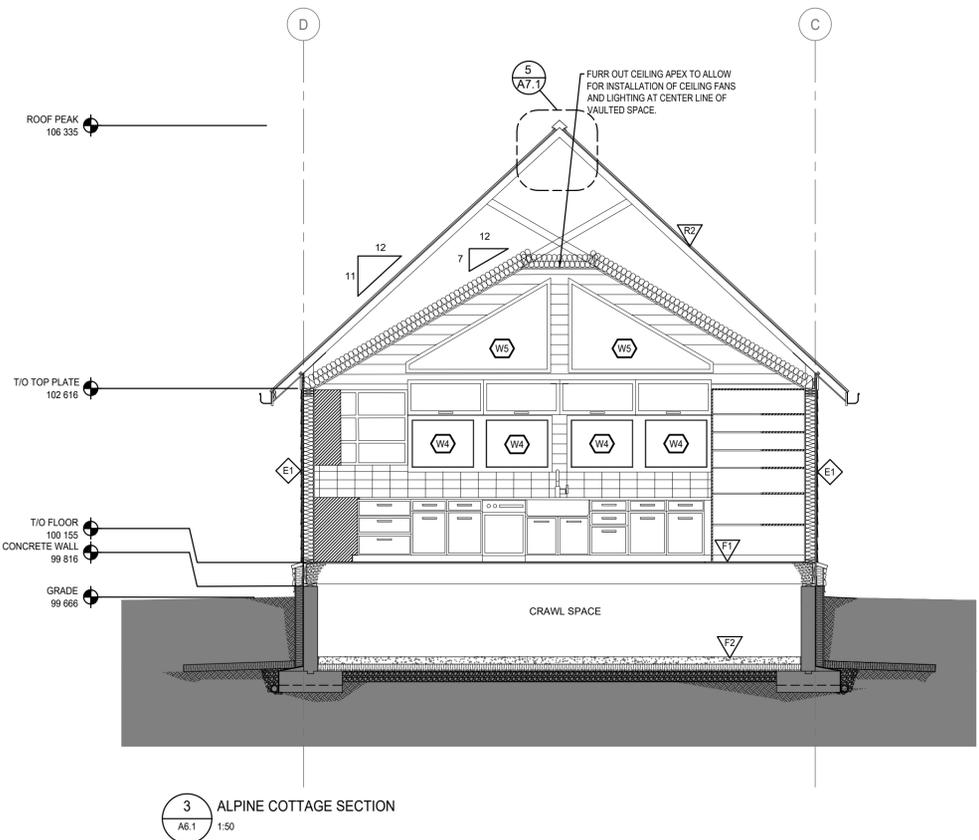
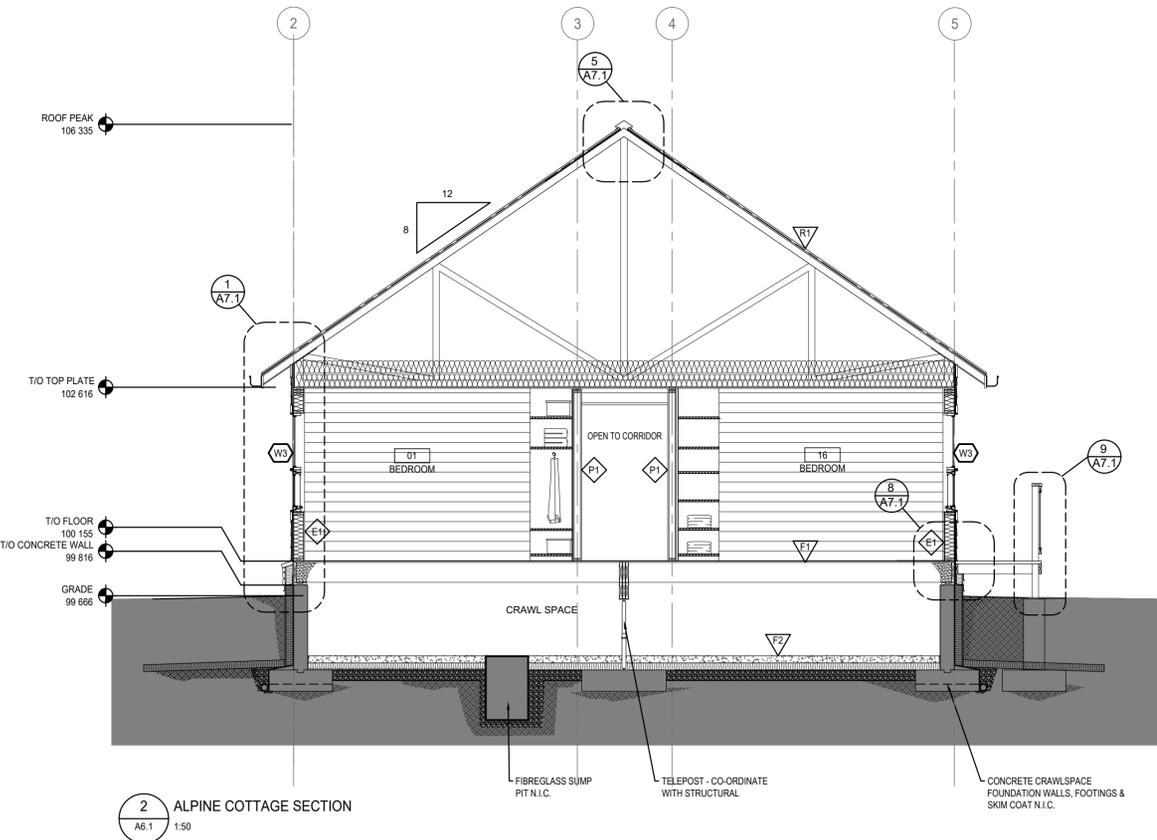
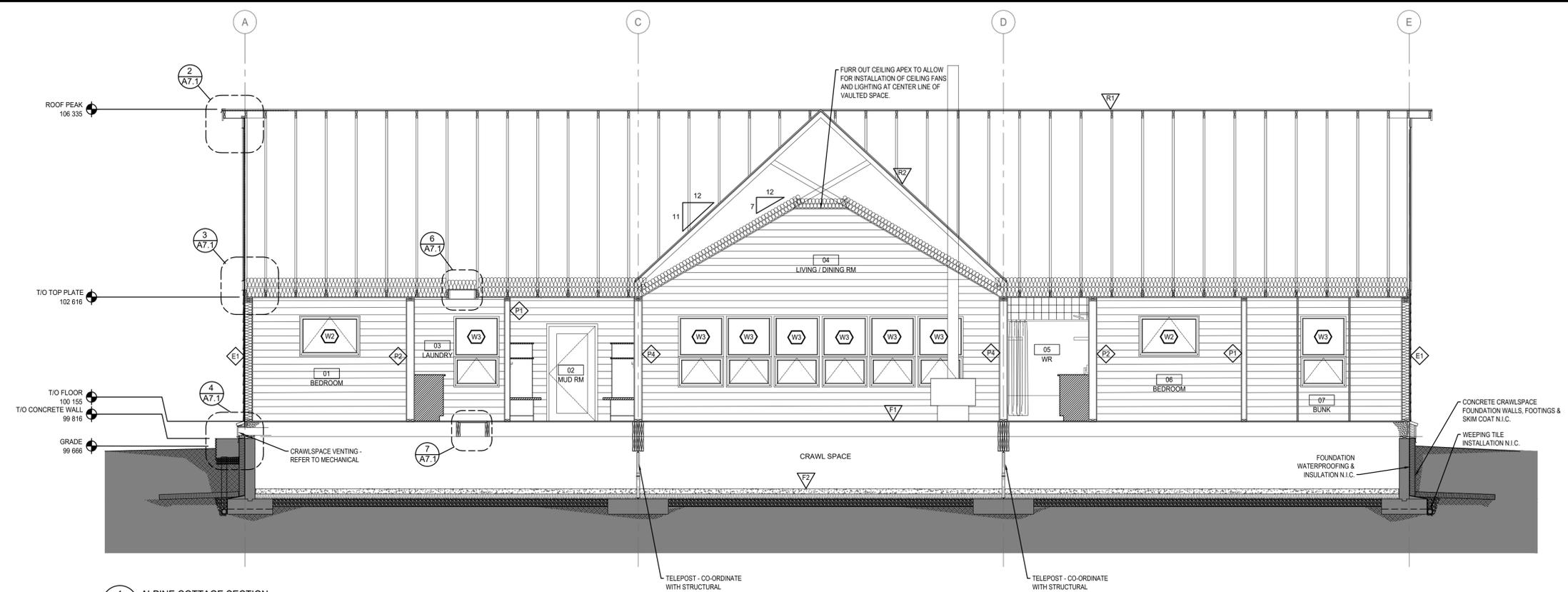
Designed by  
**MS**

Drawn by  
**RA**

Approved by  
**JR**

PWGC Project Manager  
**MICHAEL LYZANOWSKI**

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



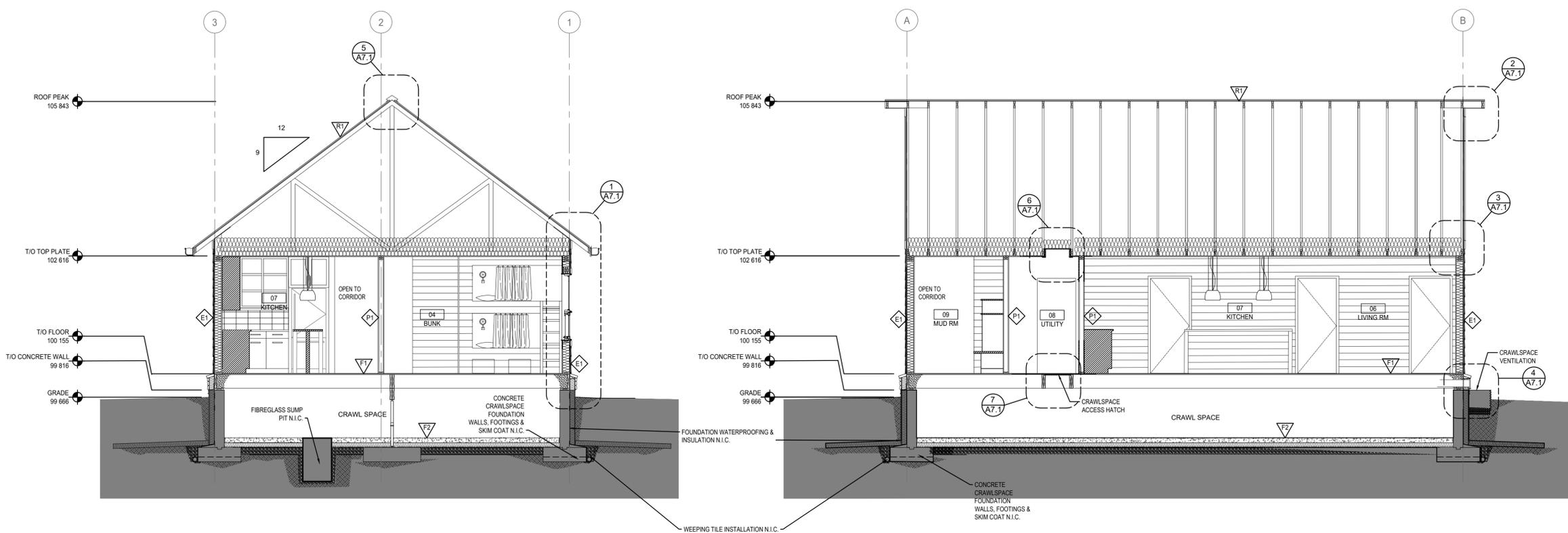
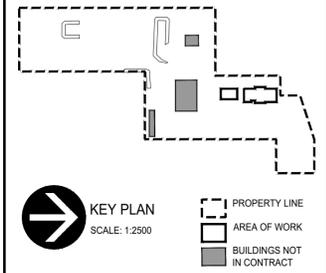
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**LEGEND**

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





**1 BUNKHOUSE SECTION**  
A6.2 1:50

**2 BUNKHOUSE SECTION**  
A6.2 1:50

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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  
**MS**

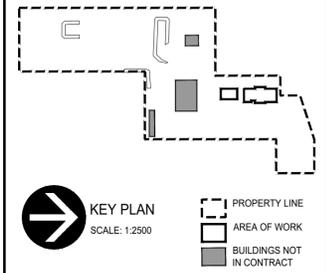
Drawn by  
**HA**

Approved by  
**JR**

PWGC Project Manager  
**MICHAEL LYZANOWSKI**

Drawing title  
**BUNKHOUSE SECTIONS**

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



Revision	Description	Date
2	Issued for Construction	2018 09 12
1	99% Construction Drawing 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  
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**WLNP ALPINE STABLES RECONSTRUCTION ALPINE COTTAGE AND BUNKHOUSE**

Designed by  
**MS**

Drawn by  
**RA**

Approved by  
**JR**

PWGC Project Manager  
**MICHAEL LYZANOWSKI**

Drawing title  
**ALPINE COTTAGE AND BUNKHOUSE SECTION DETAILS**

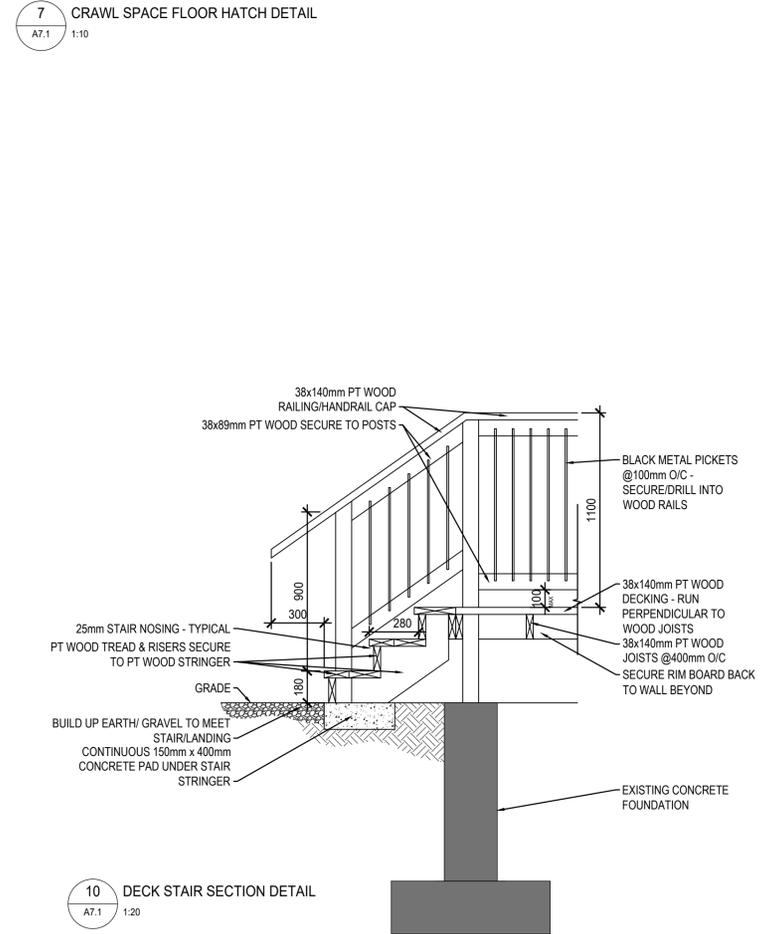
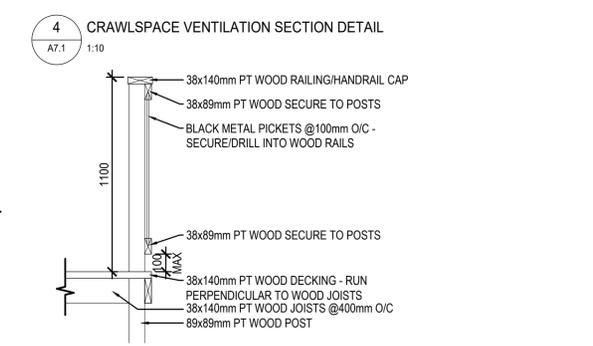
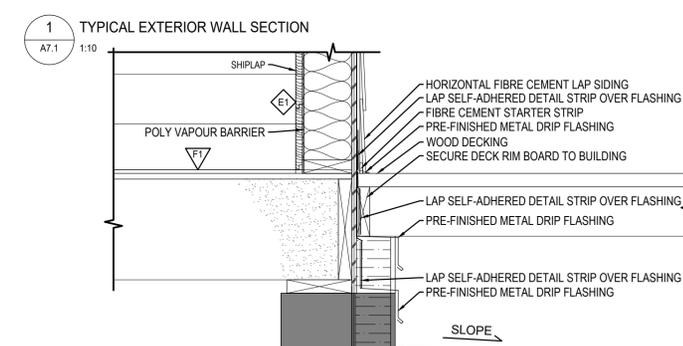
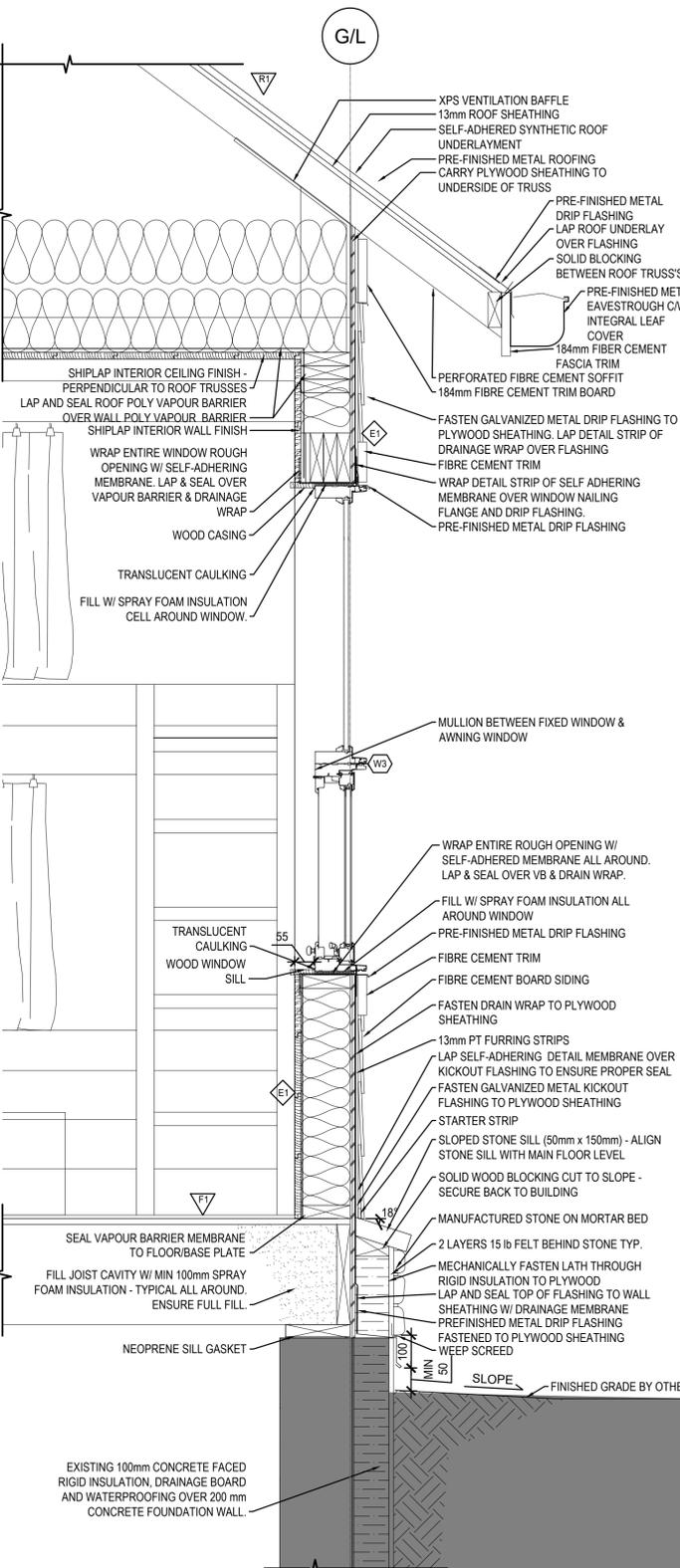
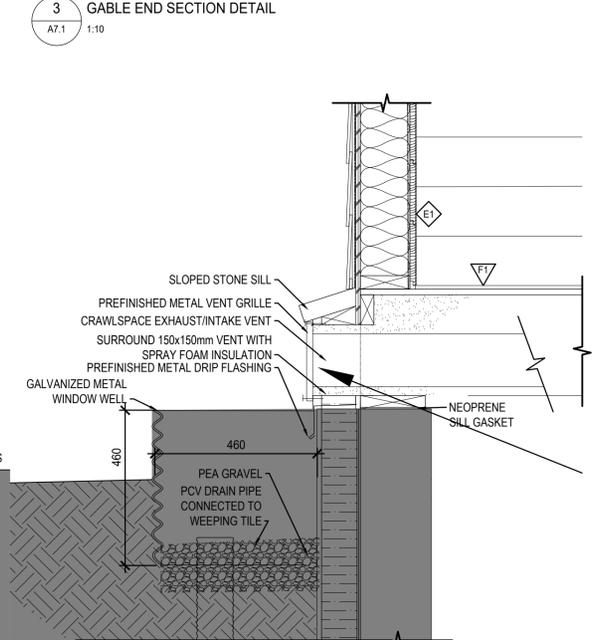
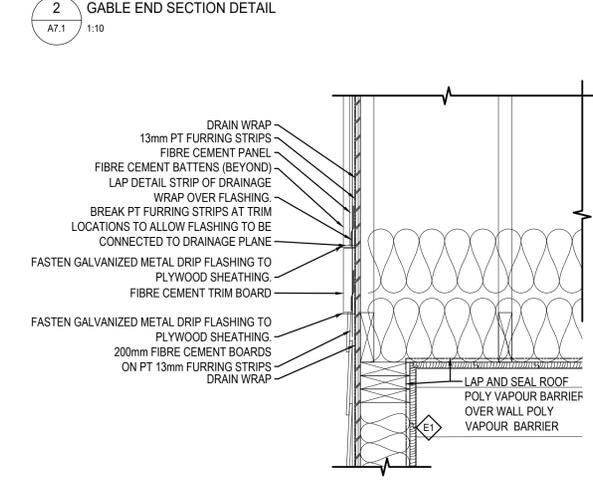
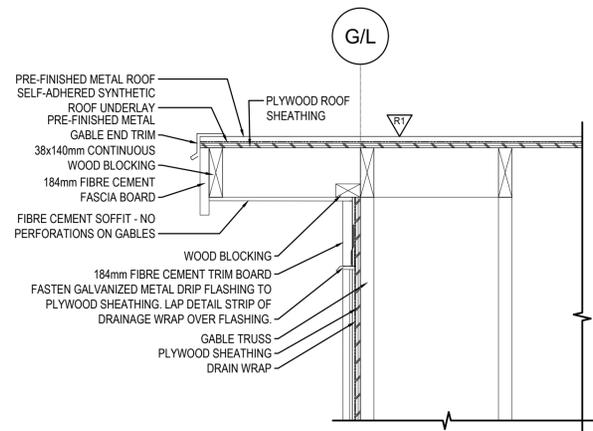
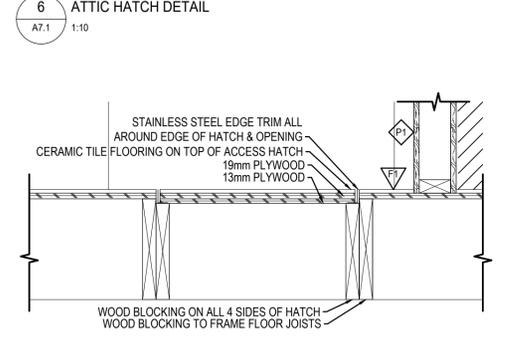
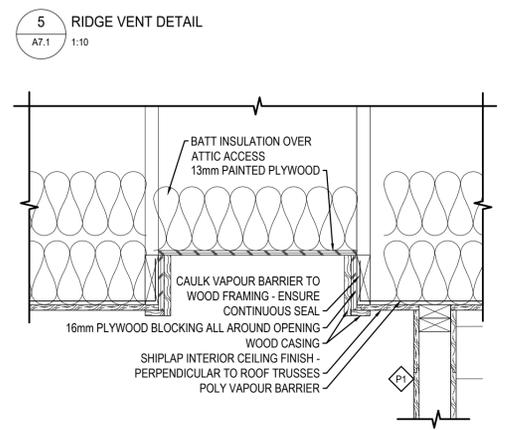
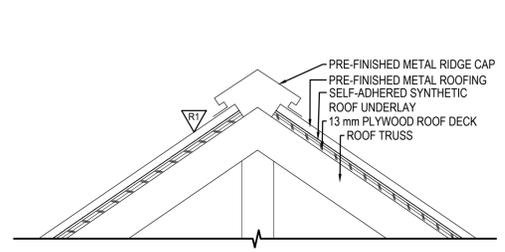
Project no.	Drawing no.	Revision no.
<b>R.096286.001</b>	<b>A7.1</b>	<b>2</b>

**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:**

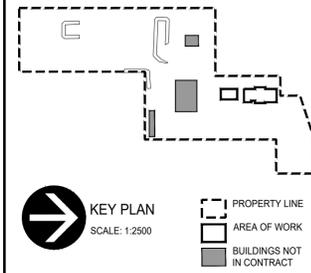
ACT	Acoustic Ceiling Tile	FR	Fridge	PTD	Painted
ADO	Automatic Door Opener	FRR	Fire Resistance Rating	QTY	Quantity
AFF	Above Finished Floor	GB	Gypsum Board	RB	Rubber Base
AWP	Acoustic Wall Panels	HPL	High Pressure Laminate	RCP	Reflected Ceiling Plan
BFL	Baffle	HR	Hour	REQS	Requirements
BW	Between	HWT	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	Tack Board
ELEC	Electrical	NBC	National Building Code	TBD	To Be Determined
EO	Equal	NIS	Not in Contract	TV	Television
EX	Existing	NTS	Not to Scale	TYP	Typical
EXP	Exposed	O/C	On Centre	UIS	Underside
FD	Floor Drain	PLY	Plywood	WI	With
FHC	Fire Hose Cabinet	PT	Pressure Treated		



**LEGEND**

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





REPUBLIC ARCHITECTURE INC.  
PERMIT No. AC 13527  
ISSUED PURSUANT TO THE ARCHITECTS ACT OF ALBERTA

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

Designed by  
**MS**  
Drawn by  
**HA**  
Approved by  
**JR**

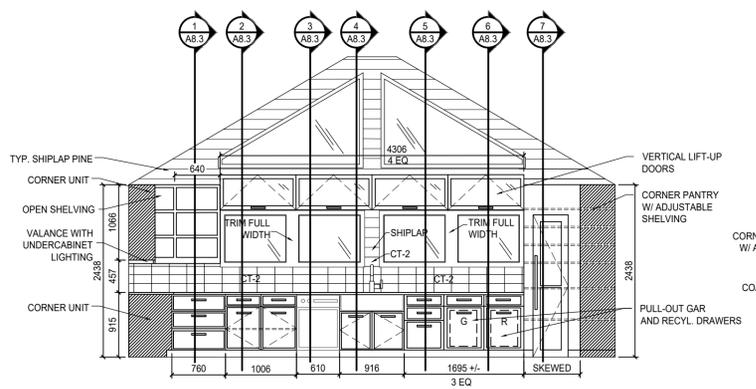
PWGC Project Manager  
**MICHAEL LYZANOWSKI**

Drawing title  
**ALPINE COTTAGE  
INTERIOR ELEVATIONS**

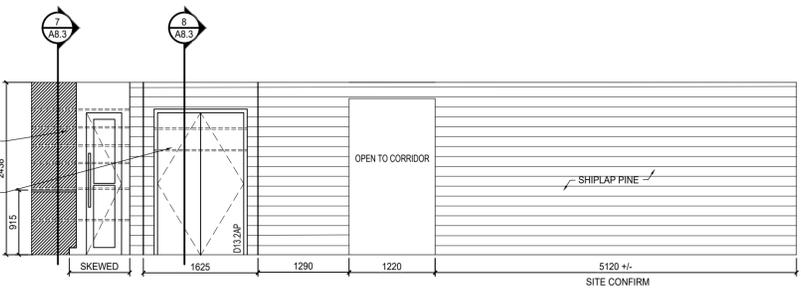
Project no.	Drawing no.	Revision no.
R.096286.001	A8.1	2

**GENERAL NOTES**

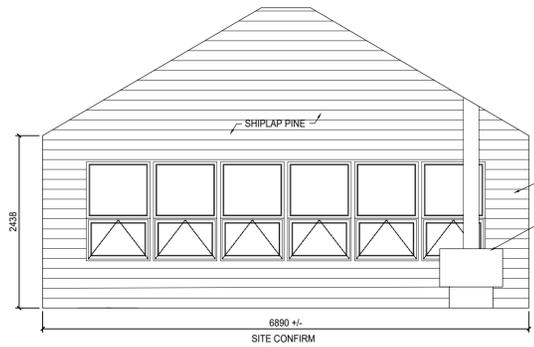
- COORDINATE EXACT MILLWORK DIMENSIONS WITH EQUIPMENT SPECIFICATIONS.
- GC TO SITE CONFIRM EXACT DIMENSIONS.



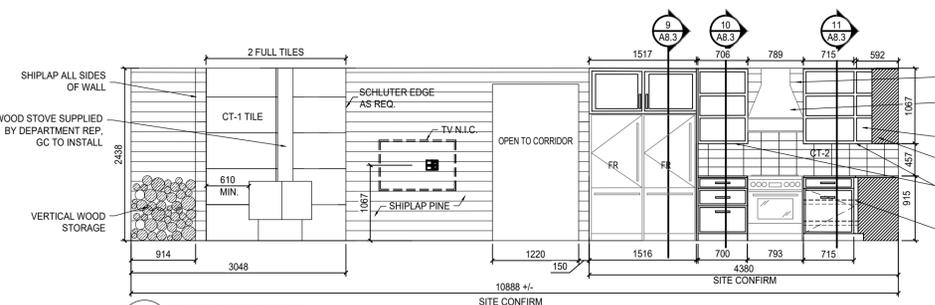
1 EAST KITCHEN ELEVATION  
A8.1 1:50



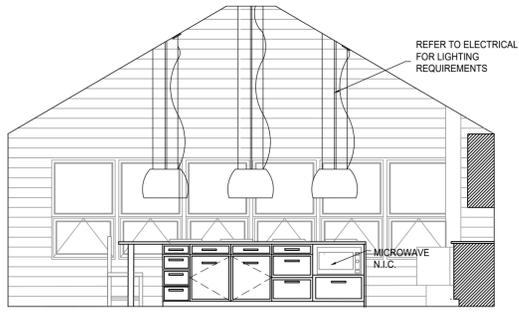
2 SOUTH ELEVATION  
A8.1 1:50



3 WEST ELEVATION  
A8.1 1:50



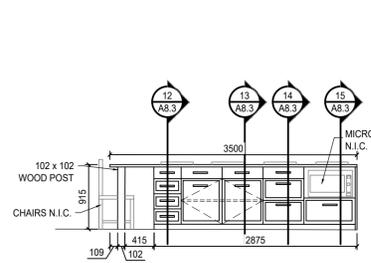
4 NORTH ELEVATION  
A8.1 1:50



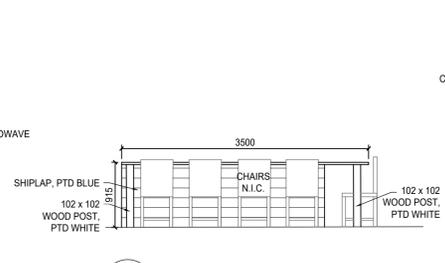
5 ISLAND WEST ELEVATION  
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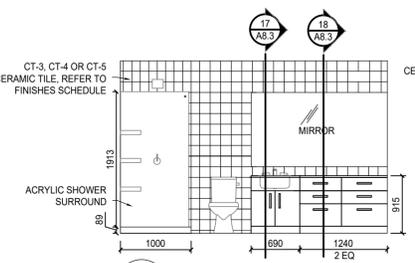
6 ISLAND EAST ELEVATION  
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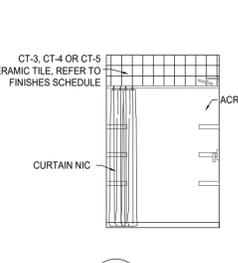
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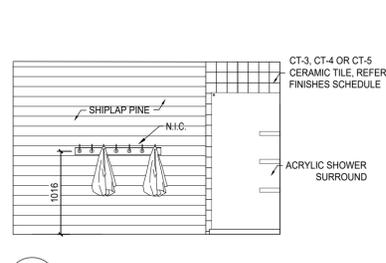
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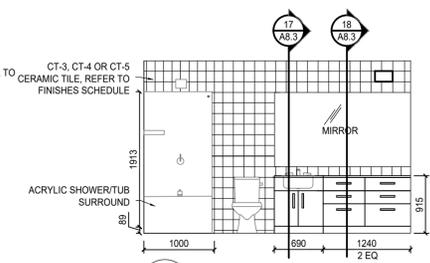
9 TYP W/C VANITY ELEVATION  
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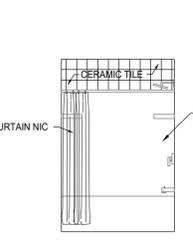
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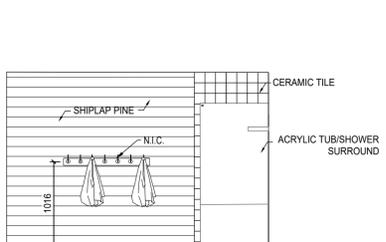
11 TYP SHOWER AND TOWEL HOOKS ELEVATION  
A8.1 1:50



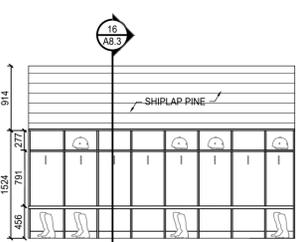
12 TYP W/C VANITY ELEVATION  
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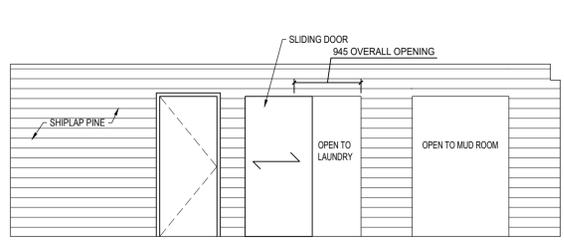
13 TYP SHOWER & TUB ELEVATION  
A8.1 1:50



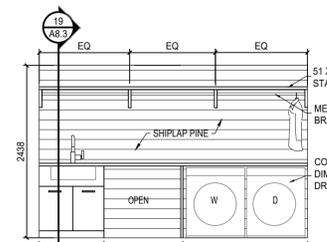
14 TYP SHOWER /TUB AND TOWEL HOOKS ELEVATION  
A8.1 1:50



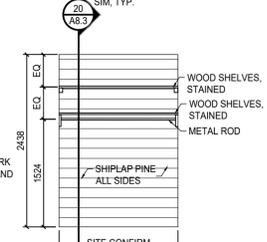
15 TYPICAL MUDROOM ELEVATION  
A8.1 1:50



16 CORRIDOR 17 ELEVATION  
A8.1 1:50

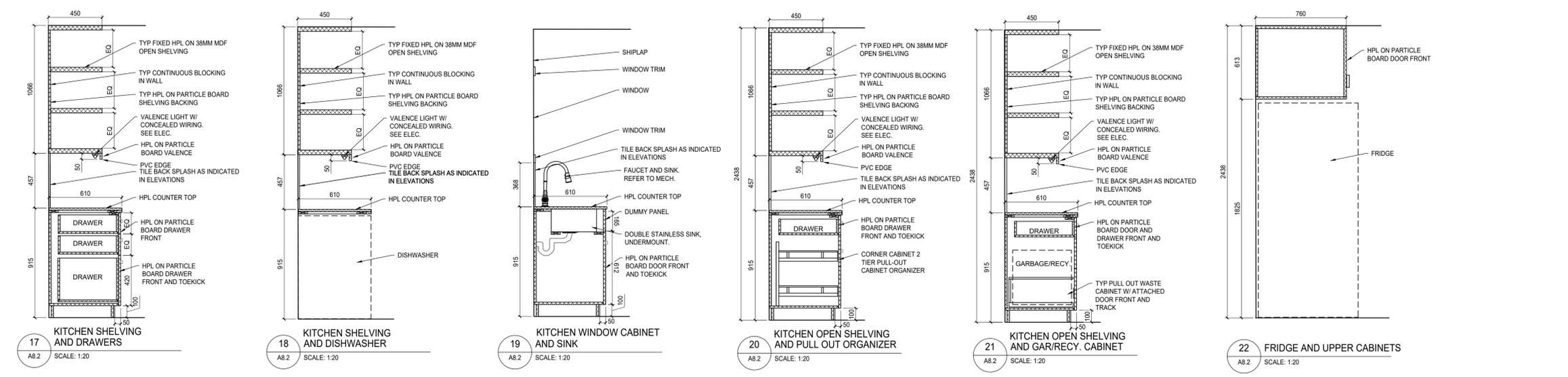
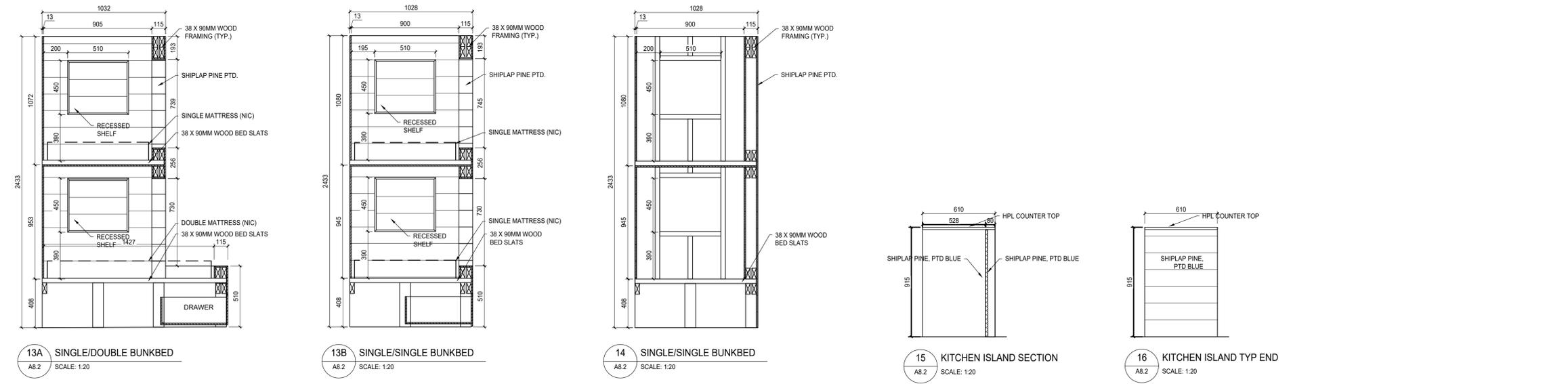
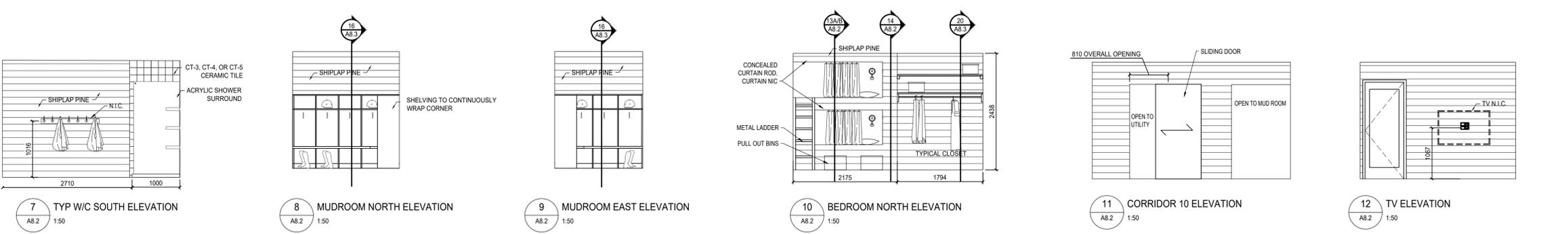
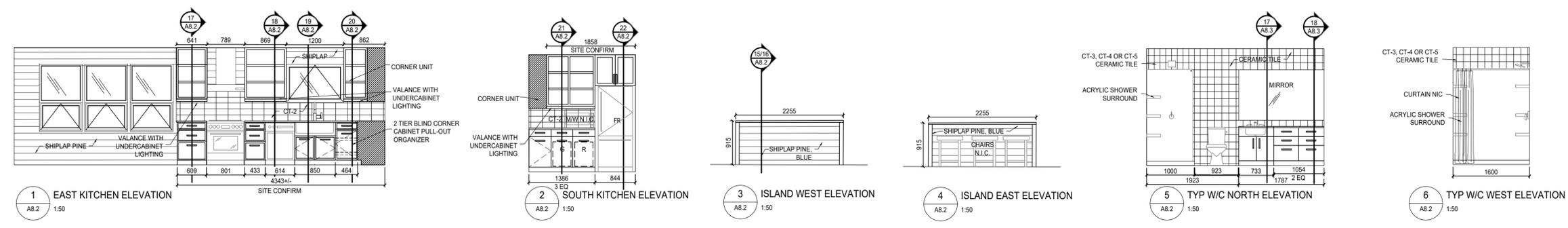
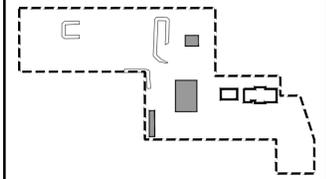


17 LAUNDRY ROOM ELEVATION  
A8.1 1:50



18 TYP BEDROOM CLOSET  
A8.1 1:50





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

Designed by  
**MS**

Drawn by  
**HA**

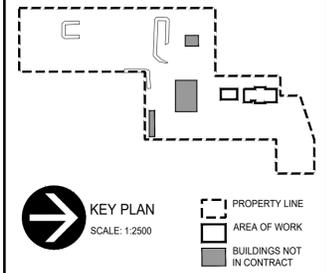
Approved by  
**JR**

PWGC Project Manager  
**MICHAEL LYZANOWSKI**

Drawing title  
**BUNKHOUSE INTERIOR ELEVATIONS AND SECTIONS**

Project no.	Drawing no.	Revision no.
R.096286.001	A8.2	2





REPUBLIC ARCHITECTURE INC.  
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Designed by  
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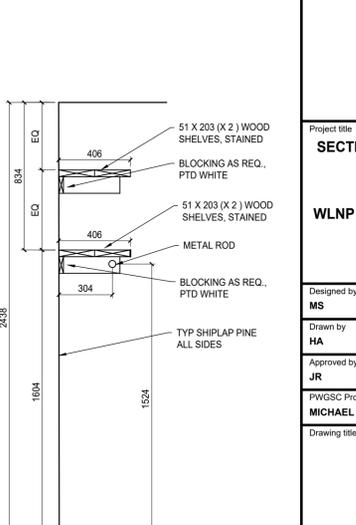
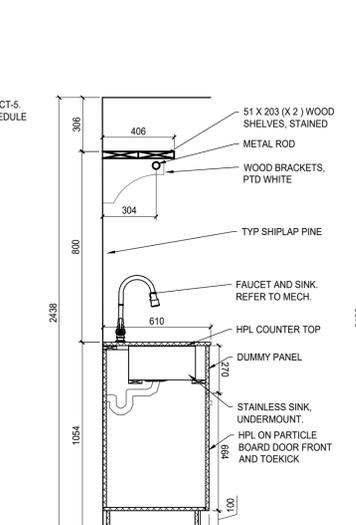
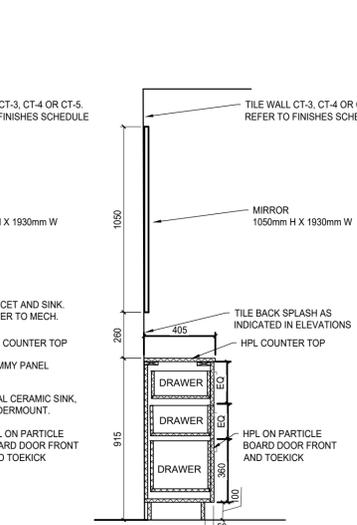
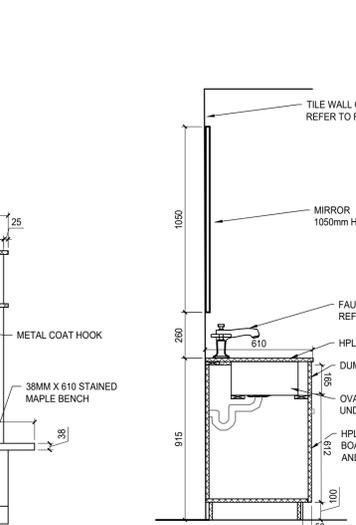
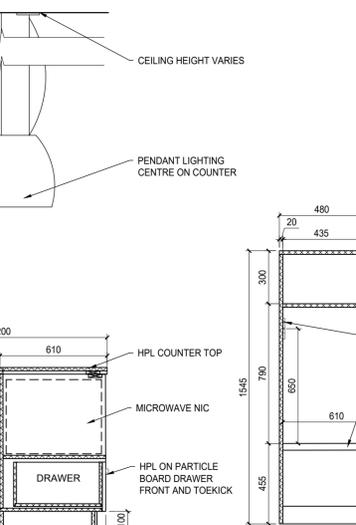
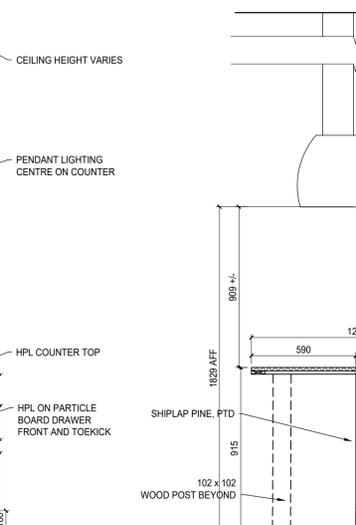
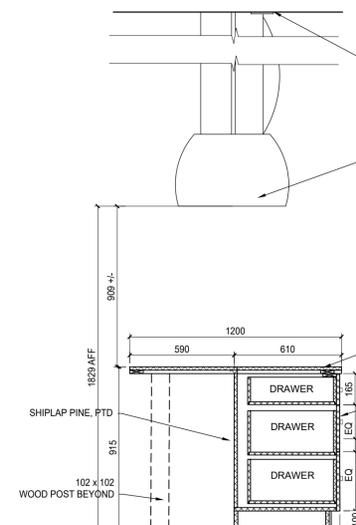
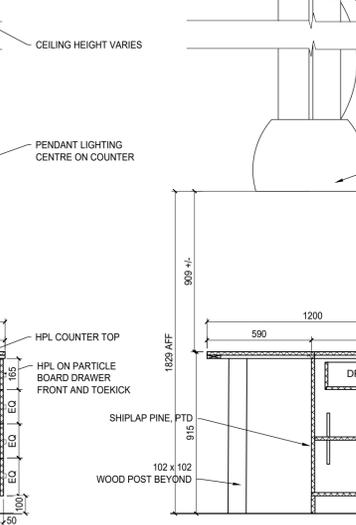
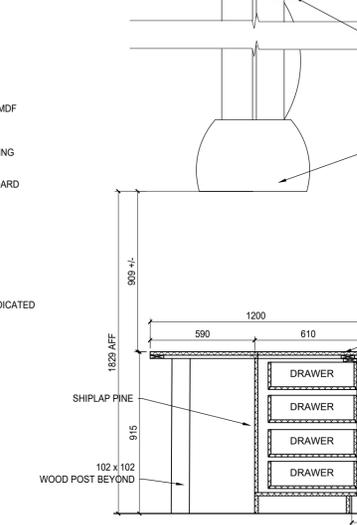
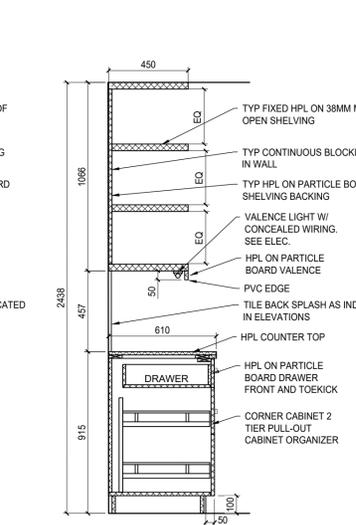
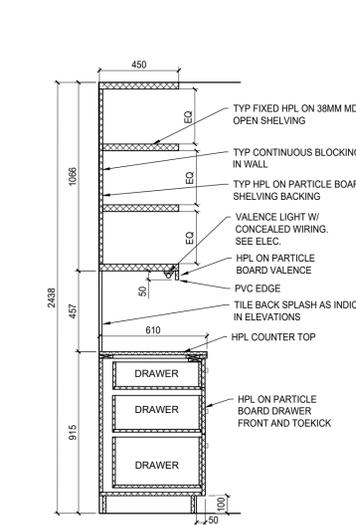
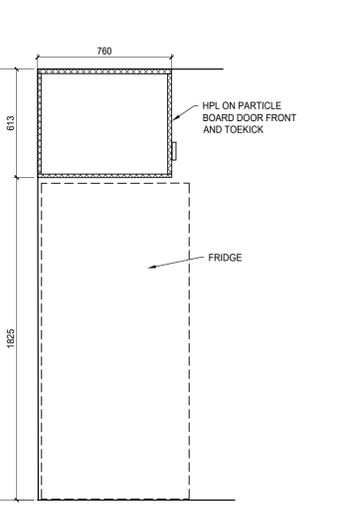
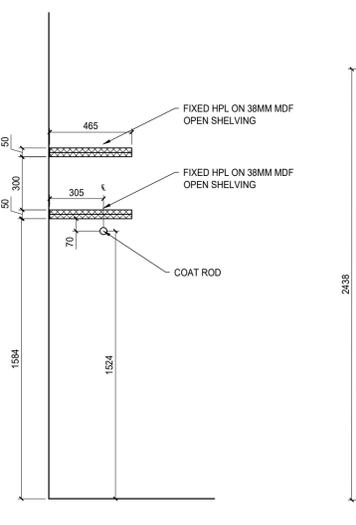
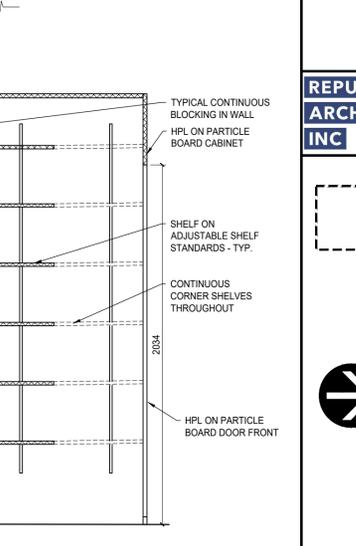
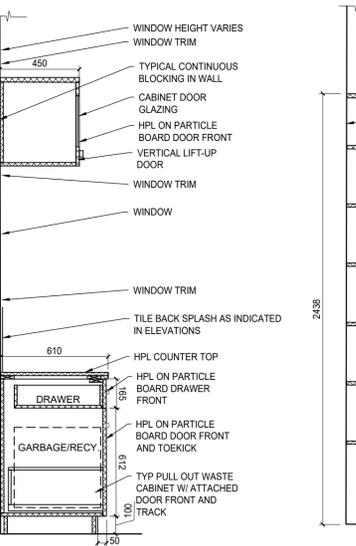
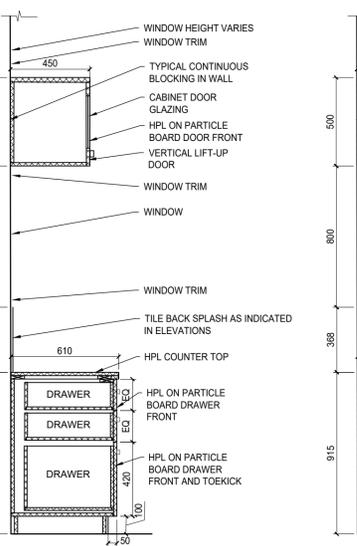
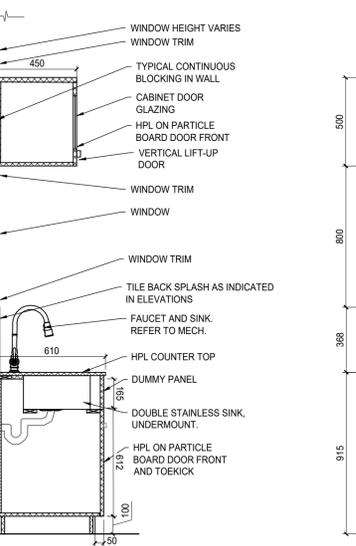
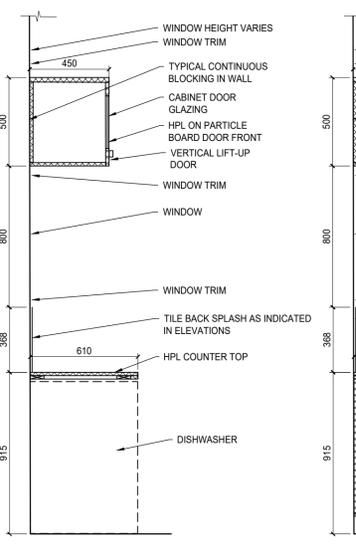
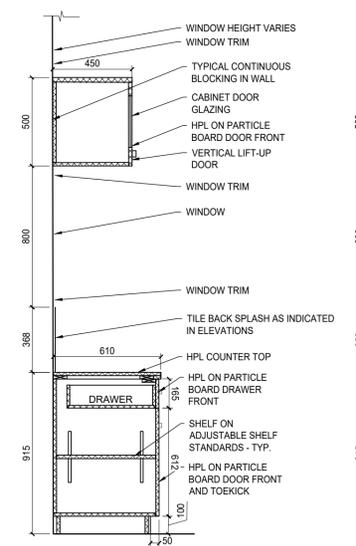
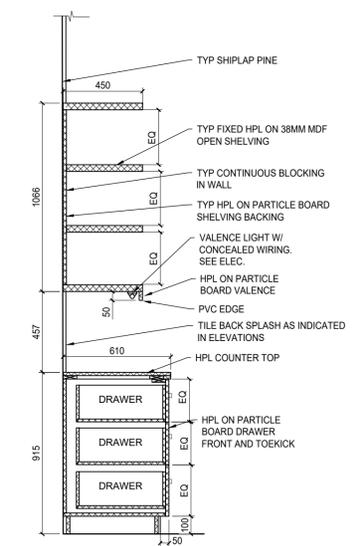
Drawn by  
**HA**

Approved by  
**JR**

PWGCSC Project Manager  
**MICHAEL LYZANOWSKI**

Drawing title  
**ALPINE COTTAGE MILLWORK SECTIONS**

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



ALPINE COTTAGE AND BUNKHOUSE  
FINISHES SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	WALL								CEILING		NOTES
				NORTH		EAST		SOUTH		WEST		MAT	FINISH	
				MAT	FINISH	MAT	FINISH	MAT	FINISH	MAT	FINISH			
<b>ALPINE COTTAGE</b>														
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	
<b>BUNKHOUSE</b>														
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	

ABBREVIATIONS

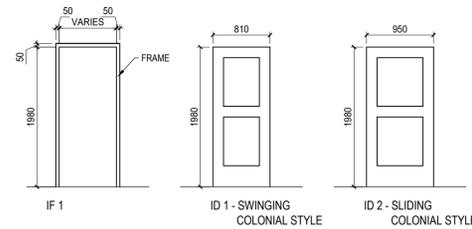
CT CERAMIC TILE  
GWB GYPSUM WALLBOARD  
PTD PAINTED  
SHP SHIPLAP PINE (5.5")  
LVT LUXURY VINYL TILE

GENERAL FINISHES NOTES

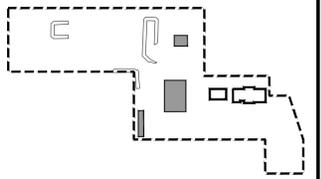
- ALL MDF BASE TO BE 150MM SQUARE PROFILE, PAINTED WHITE.
- ALL WASHROOM BASE TO BE CERAMIC TILE, 4", TO MATCH FLOOR COMPLETE WITH STAINLESS STEEL CAP.
- REFER TO ELEVATIONS AND DETAILS FOR EXACT LOCATIONS OF FINISHES.
- ALL FLOOR TILE TO BE INSTALLED STACK BOND.
- ALL KITCHEN ISLAND SHIPLAP TO BE PAINTED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



1 TYPICAL INTERIOR DOOR AND FRAME ELEVATIONS  
A8.4 1:50



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  
**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.
<b>R.096286.001</b>	<b>A8.4</b>	<b>2</b>

**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	ST1E	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	MPO	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, P	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 1 3/8 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



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**

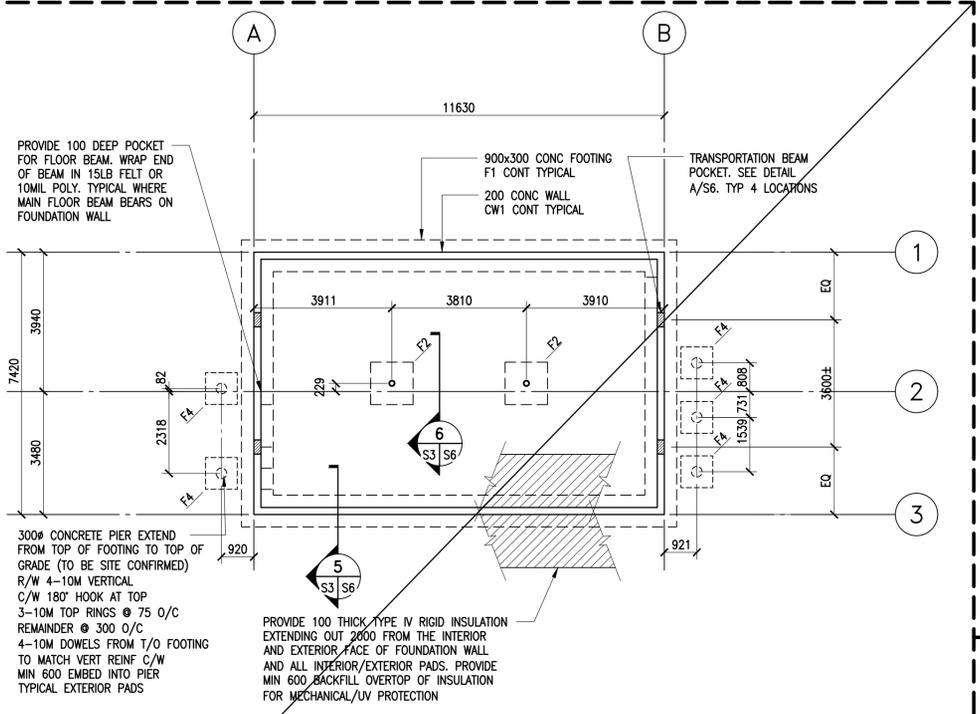
Drawn by  
**JLP**

Approved by  
**BF**

PWGSC Project Manager  
**MICHAEL LYZANOWSKI**

Drawing title  
**SCHEDULES AND ABBREVIATIONS**

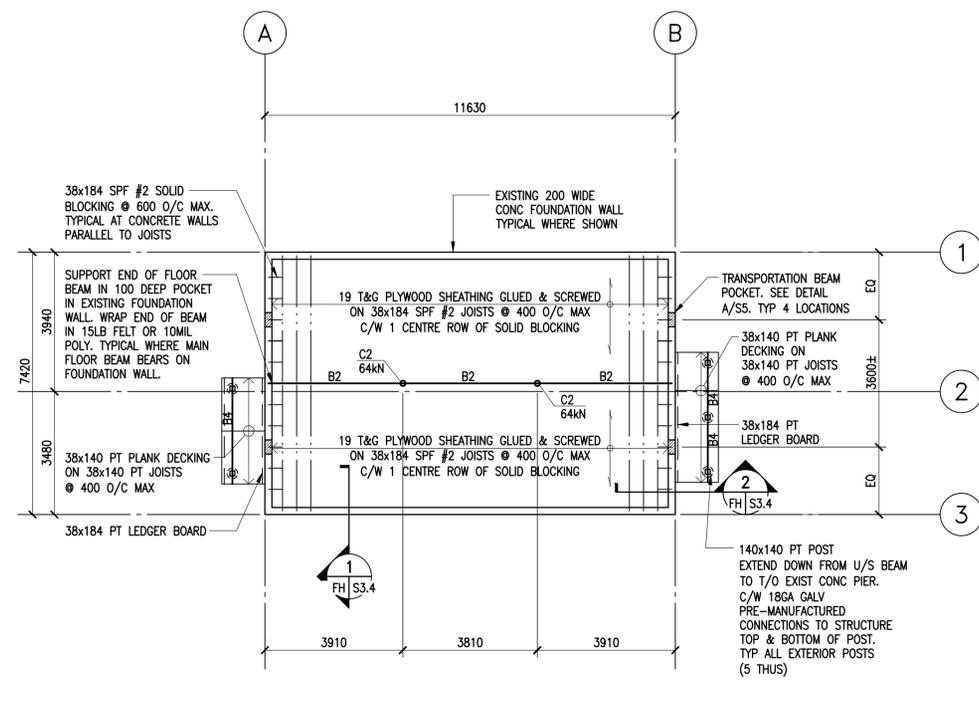




**BUNK HOUSE FOUNDATION PLAN**  
1 : 100

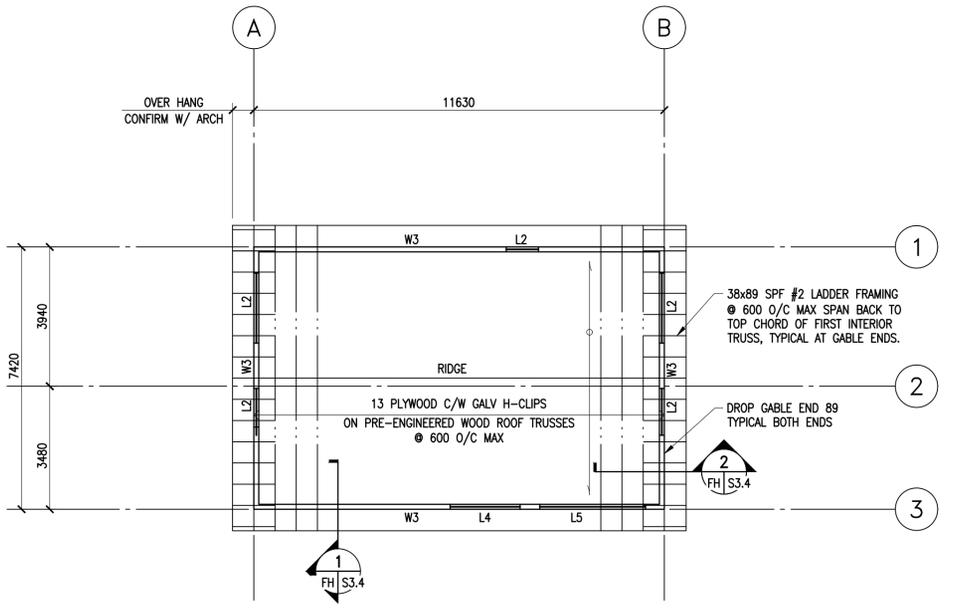
- DESIGN BEARING PRESSURE ULS = 250 kPa ( $\phi=0.5$ )
- SEE S1 FOR SCHEDULES.
- COORDINATE SIZE AND LOCATION OF ALL HOLES IN CONCRETE WALL WITH MECHANICAL AND ARCHITECTURAL PRIOR TO CONSTRUCTION. PROVIDE 1-15M EXTRA EACH FACE EACH SIDE OF OPENINGS. VERTICAL 15M EXTRA BARS TO EXTEND FULL HEIGHT OF WALL. HORIZONTAL TO EXTEND MINIMUM 600 PAST EDGE OF OPENING.
- EXTERIOR UNDERGROUND RIGID INSULATION SHALL BE SANDWICHED BETWEEN 2 LAYERS OF 75mm BEDDING SAND AND SLOPED AWAY FROM STRUCTURE 1%.

FOUNDATION PLAN AND RELATED DETAILS N.I.C. SHOWN FOR REFERENCE ONLY



**BUNK HOUSE MAIN FLOOR FRAMING PLAN**  
1 : 100

- FLOOR DESIGN LIVE LOAD = 1.92 kPa
- FLOOR DESIGN DEAD LOAD = 0.96 kPa
- SEE S3.1 FOR SCHEDULES.
- COORDINATE CRAWLSPACE HATCH LOCATION AND SIZE WITH ARCH. PROVIDE 2-PLY 38x184 FRAMING ON ALL 4 SIDES OF HATCH OPENING C/W 18GA GALV PRE-MANUFACTURED FLUSH MOUNTED CONNECTIONS. TYPICAL
- PROVIDE DOUBLE 38x184 SPF #2 FLOOR JOISTS BELOW ALL INTERIOR WALLS IN LINE WITH FLOOR JOISTS TYPICAL. SEE ARCH FOR INTERIOR WALL LAYOUT
- PROVIDE DOUBLE 38x184 SPF #2 FLOOR JOIST BELOW HOT WATER TANK. SEE ARCH/MECH FOR INTERIOR LAYOUT.
- ON EXTERIOR DECKS, PROVIDE DOUBLE 38x140 PT EDGE JOISTS AND END JOISTS, TYPICAL.
- REFER TO ARCH FOR ALL EXTERIOR DECK RAILINGS AND GUARDRAIL DETAILS.
- ALL EXTERIOR WOOD TO BE PRESSURE TREATED COMPLETE WITH HOT DIPPED GALV/STAINLESS STEEL FASTENERS.
- FINISH CRAWLSPACE FLOOR WITH 'S1' SLAB AS PER SCHEDULE. REFER TO ELEVATIONS AND ARCH DRAWINGS FOR DETAILS.



**BUNK HOUSE ROOF FRAMING PLAN**  
1 : 100

- ROOF DESIGN SNOW LOAD = 3.8 kPa
- ROOF DESIGN DEAD LOAD = 0.72 kPa

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**

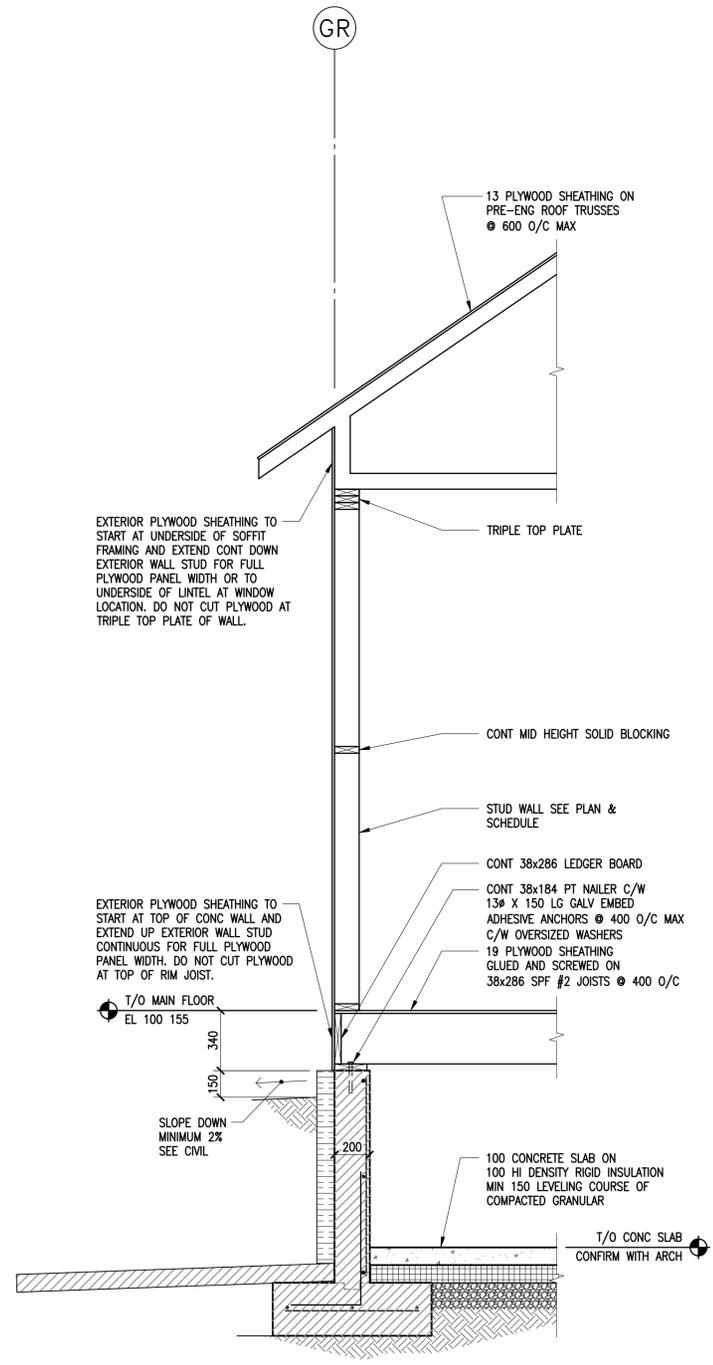
Approved by  
**BF**

PWGSC Project Manager  
**MICHAEL LYZANOWSKI**

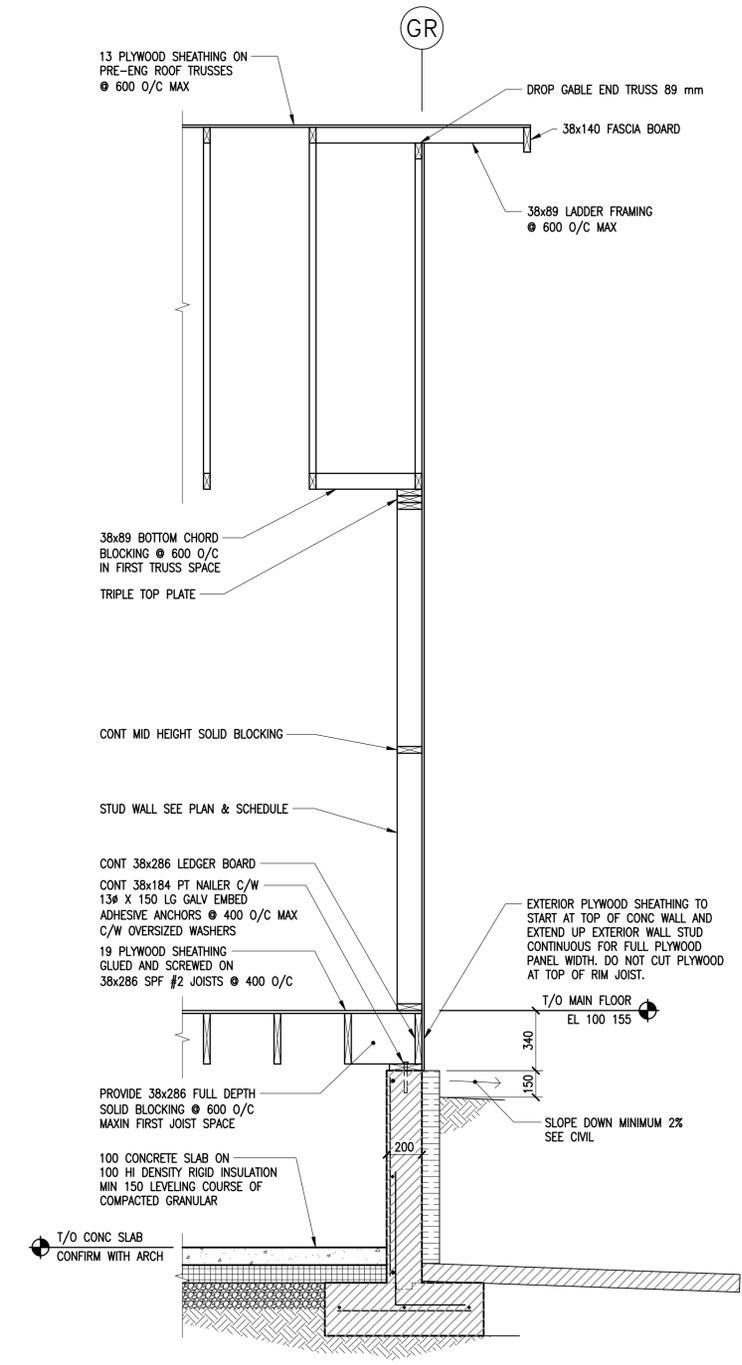
Drawing title  
**BUNK HOUSE FRAMING PLANS**

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

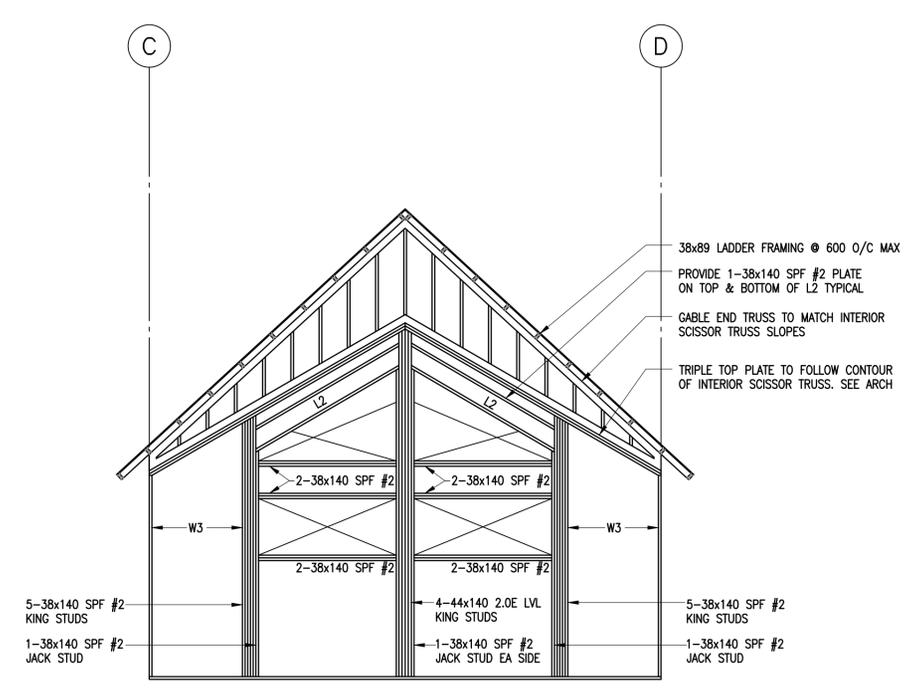




**1 SECTION**  
FH S3.4 1 : 20

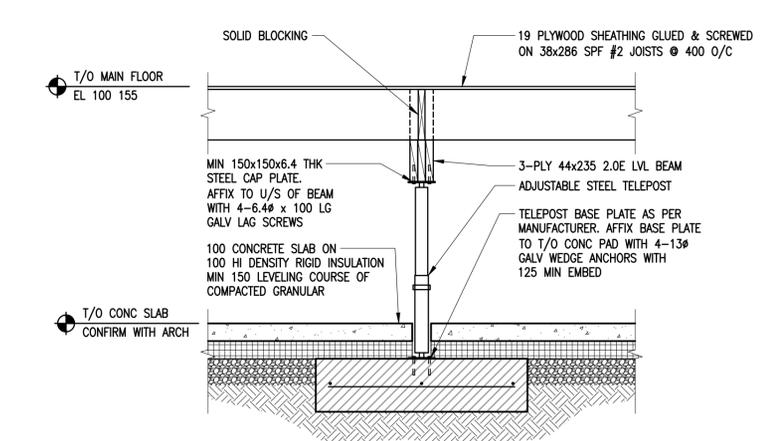


**2 SECTION**  
FH S3.4 1 : 20



**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  
**PWGS/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**

PWGS/TPSGC Project Manager  
**MICHAEL LYZANOWSKI**

Drawing title  
**ELEVATION AND SECTIONS**

Project no.	Drawing no.	Revision no.
<b>R.096286.001</b>	<b>S3.4</b>	<b>0</b>



**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							
	<table border="0"> <tr> <td>GRILLE / DIFFUSER TYPE</td> <td rowspan="4">} GRILLE OR DIFFUSER DESIGNATION</td> </tr> <tr> <td>NECK SIZE</td> </tr> <tr> <td>QUANTITY OR NUMBER OF</td> </tr> <tr> <td>FLOW RATE ( L/S )</td> </tr> <tr> <td>FACE SIZE OR THROW</td> <td></td> </tr> </table>	GRILLE / DIFFUSER TYPE	} GRILLE OR DIFFUSER DESIGNATION	NECK SIZE	QUANTITY OR NUMBER OF	FLOW RATE ( L/S )	FACE SIZE OR THROW	
GRILLE / DIFFUSER TYPE	} GRILLE OR DIFFUSER DESIGNATION							
NECK SIZE								
QUANTITY OR NUMBER OF								
FLOW RATE ( L/S )								
FACE SIZE OR THROW								

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 18-123-01

**SMS ENGINEERING**

PROFESSIONAL ENGINEER ALBERTA  
 12 SEPT 2018

Revision	Description	Date
3	ISSUED FOR CONSTRUCTION	2018 09 12
2	ISSUED FOR 90% REVIEW	2018 08 21
1	ISSUED FOR 50% PRICING	2018 08 08
0	ISSUED FOR 60% REVIEW	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  
**JRB**

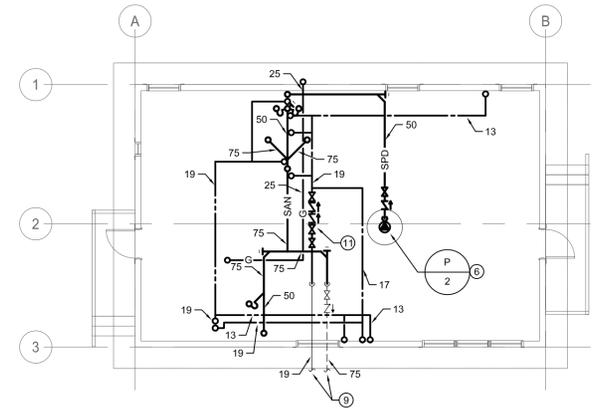
Drawn by  
**IE**

Approved by  
**JRB**

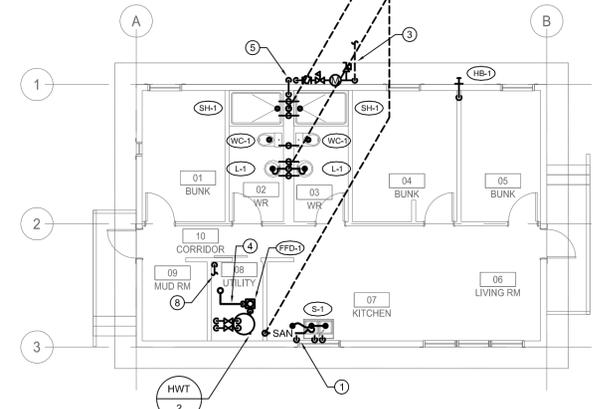
PWGC Project Manager  
**MICHAEL LYZANIWSKI**

Drawing title  
**DRAWING LIST AND  
 SYMBOL LEGEND**

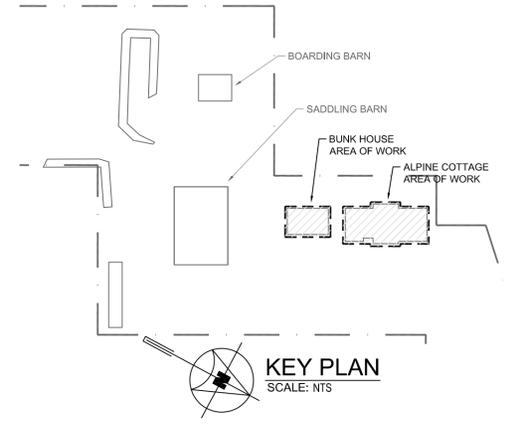
Project no.	Drawing no.	Revision no.
<b>R.096286.001</b>	<b>M0</b>	<b>3</b>
	<b>OF 4</b>	



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

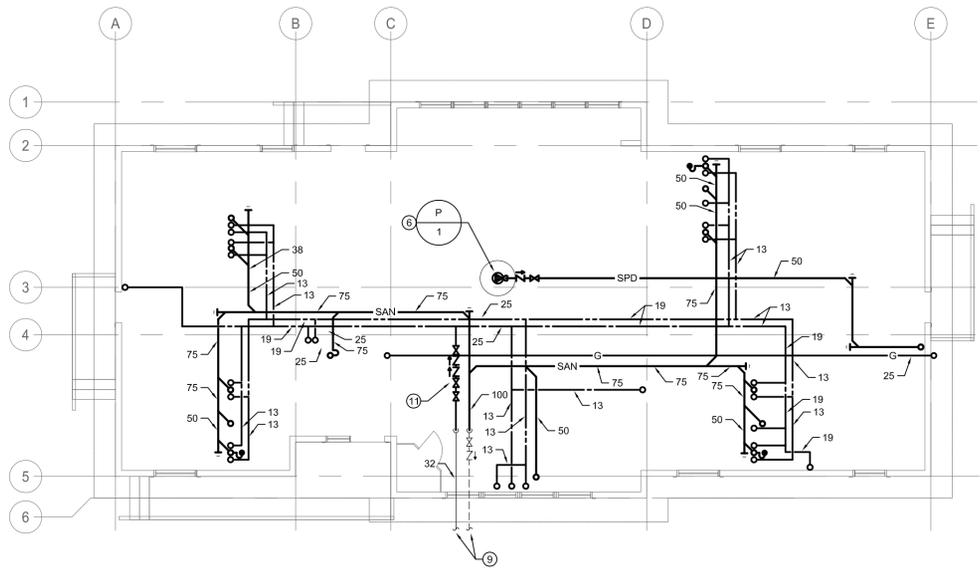


**2 BUNK HOUSE MAIN FLOOR PLAN - PLUMBING**  
SCALE: 1:100

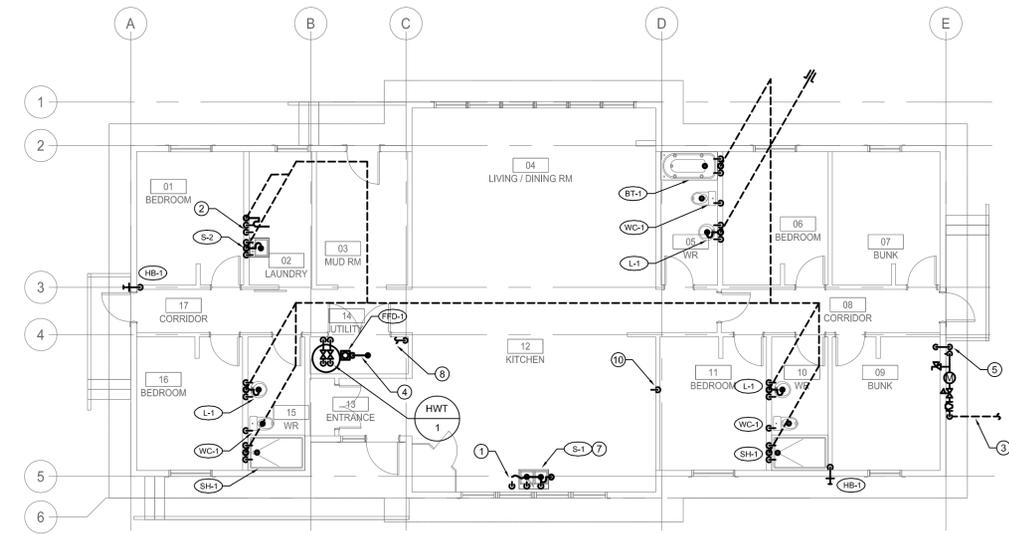


**KEY NOTES**

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.

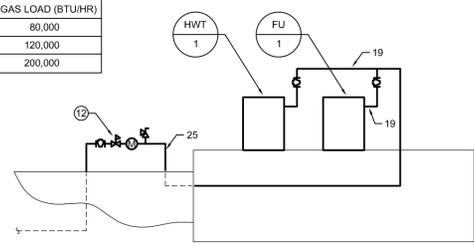


**3 ALPINE COTTAGE CRAWLSPACE FLOOR PLAN - PLUMBING**  
SCALE: 1:100



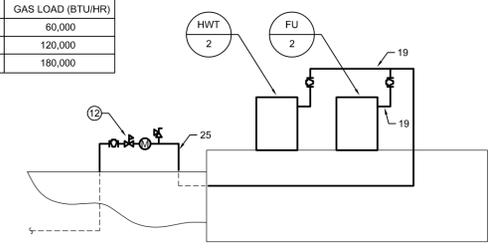
**4 ALPINE COTTAGE MAIN FLOOR PLAN - PLUMBING**  
SCALE: 1:100

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	80,000
HWT-2	HOT WATER TANK	120,000
	TOTAL	180,000



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

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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  
**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  
**JRB**  
Drawn by  
**IE**  
Approved by  
**JRB**  
PWGC Project Manager  
**MICHAEL LYZANOWSKI**

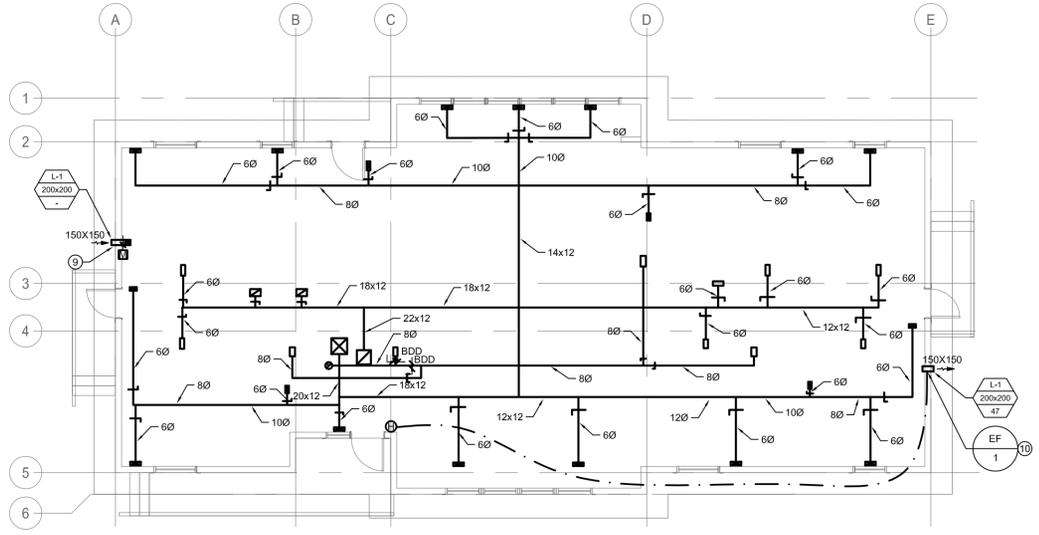
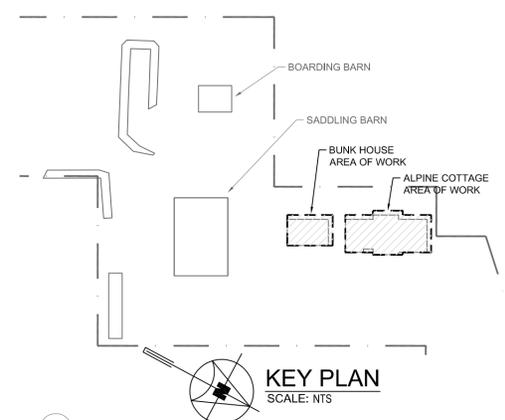
Drawing title  
**ALPINE COTTAGE AND  
BUNK HOUSE FLOOR PLANS -  
PLUMBING**

Project no.	Drawing no.	Revision no.
<b>R.096286.001</b>	<b>M1</b>	<b>3</b>

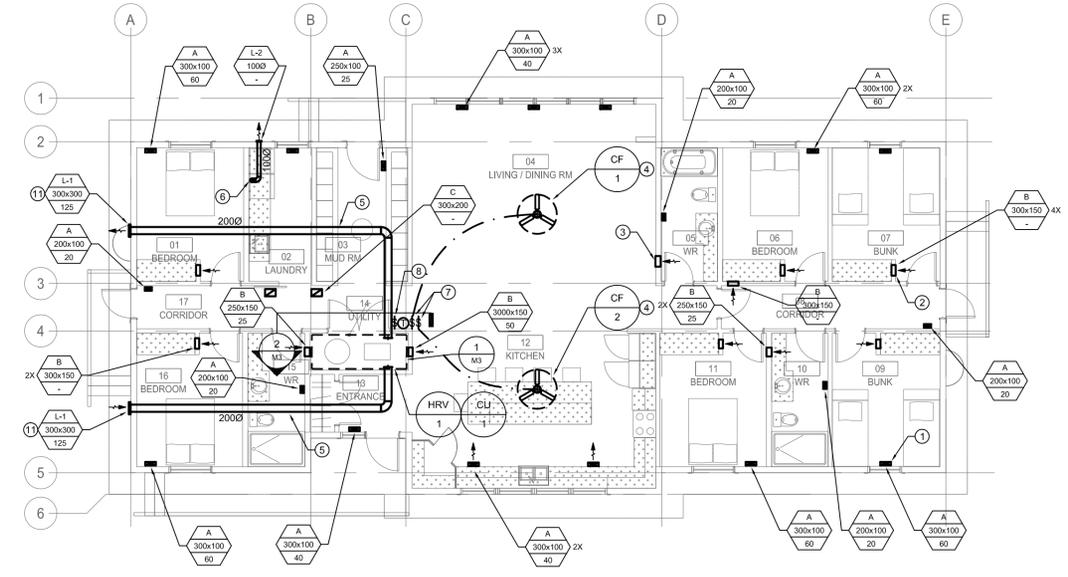


**GENERAL NOTES**

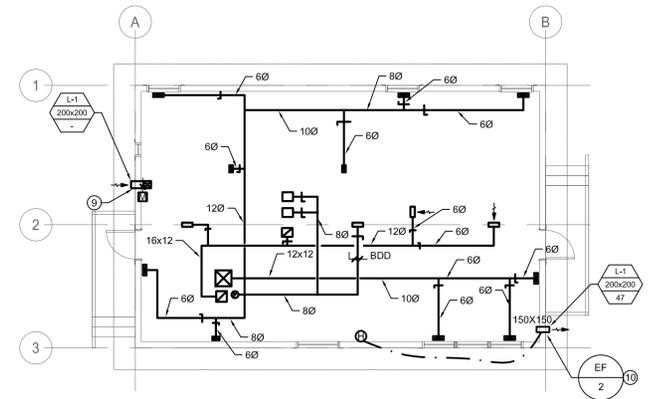
- A. DRAWING ARE SCHEMATIC, DO NOT SCALE.
- B. VENT PIPING SHALL BE SIZED IN ACCORDANCE WITH THE CURRENT VERSION OF THE PLUMBING CODE AND EXACT ROUTING ON SITE.
- C. CONTRACTOR SHALL PROVIDE ROUGH AND FINAL CONNECTIONS FOR ALL APPLIANCES.



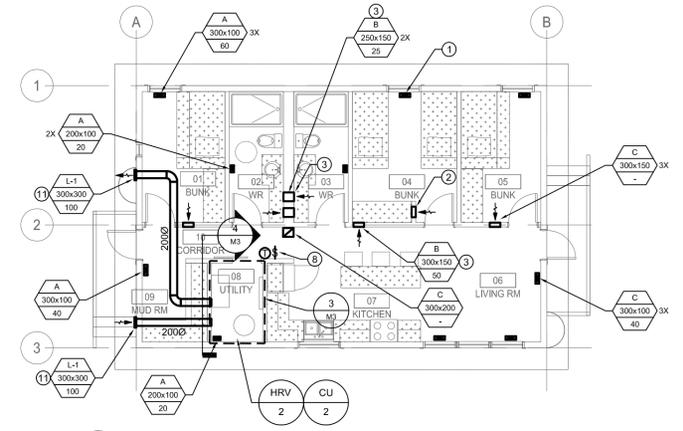
1 ALPINE COTTAGE CRAWLSPACE FLOOR PLAN - HVAC  
SCALE: 1:100



2 ALPINE COTTAGE MAIN FLOOR PLAN - HVAC  
SCALE: 1:100



3 BUNK HOUSE CRAWLSPACE FLOOR PLAN - HVAC  
SCALE: 1:100



4 BUNK HOUSE MAIN FLOOR PLAN - HVAC  
SCALE: 1:100

**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.

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**PWGC / TPSGC**

**ATB Place North Tower**  
10025 Jasper Ave, 5th Floor  
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Project title  
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**WLNP ALPINE STABLES RECONSTRUCTION ALPINE COTTAGE AND BUNKHOUSE**

Designed by  
**JRB**

Drawn by  
**IE**

Approved by  
**JRB**

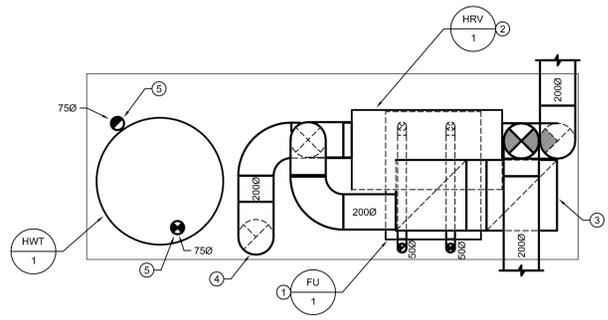
PWGC Project Manager  
**MICHAEL LYZANOWSKI**

**ALPINE COTTAGE AND BUNK HOUSE FLOOR PLANS - HVAC**

Project no.	Drawing no.	Revision no.
<b>R.096286.001</b>	<b>M2</b>	<b>3</b>

OF 4





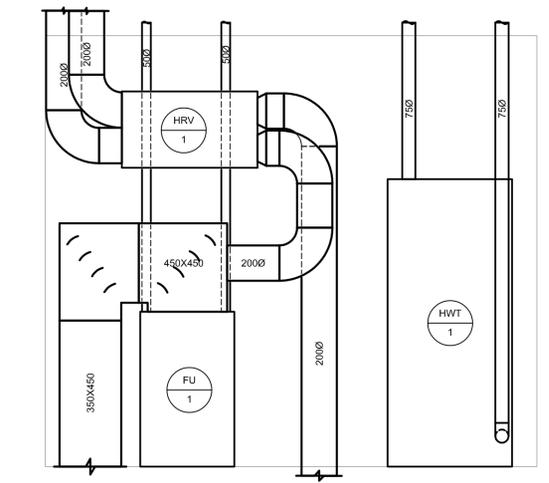
**1 ENLARGED ALPINE COTTAGE - UTILITY ROOM**  
SCALE: 1:20  
M3

**GENERAL NOTES**

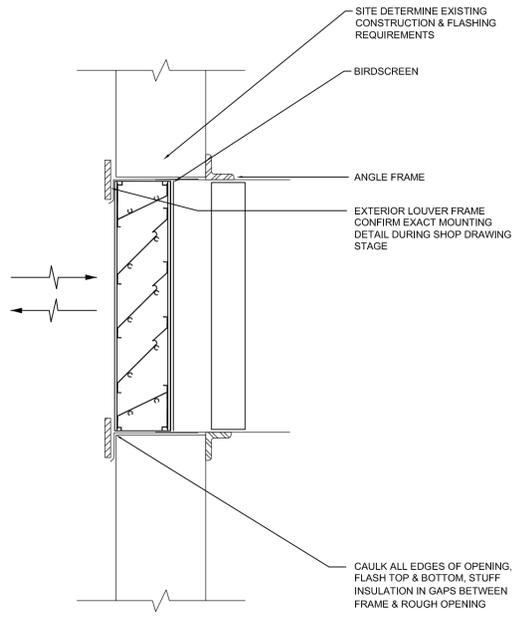
- A. DRAWING ARE SCHEMATIC, DO NOT SCALE.
- B. VENT PIPING SHALL BE SIZED IN ACCORDANCE WITH THE CURRENT VERSION OF THE PLUMBING CODE AND EXACT ROUTING ON SITE.
- C. CONTRACTOR SHALL PROVIDE ROUGH AND FINAL CONNECTIONS FOR ALL APPLIANCES.

**KEY NOTES**

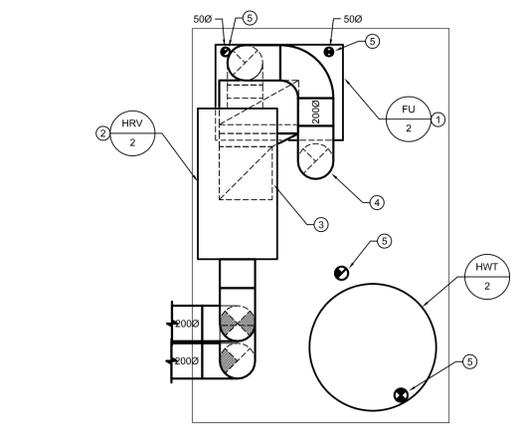
- 1. PROVIDE FLOOR MOUNTED DOWN DISCHARGE FURNACE.
- 2. SUSPEND HRV FROM THE UNDERSIDE OF STRUCTURE COMPLETE WITH VIBRATION ISOLATION, PROVIDE FLEXIBLE CONNECTION ON ALL DUCT CONNECTIONS.
- 3. RETURN AIR DUCT UP FROM CRAWLSPACE.
- 4. EXHAUST AIR DUCT UP FROM CRAWLSPACE.
- 5. EXHAUST / INTAKE UP THROUGH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



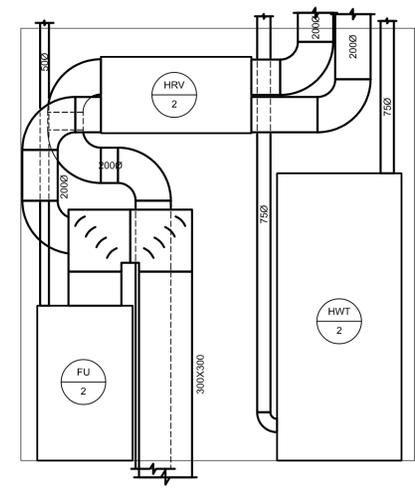
**2 ELEVATION VIEW - ALPINE COTTAGE - UTILITY ROOM**  
SCALE: 1:20  
M3



**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	REMARKS
A	Steel	Floor Supply	Flat	-	-	-	Screw White	Double Deflection Refer to DWG for sizes
B	Steel	Sidewall Return	Flat	-	-	-	Screw White	45° Deflection Refer to DWG for sizes
C	Steel	Floor Return	Flat	-	-	-	Screw White	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 Sumersible Pump	50 3.15	25 7.6	0.5 0.37	-	50mm discharge
P-2	Weeping Tile Sump Pump	Crawspace Bunkhouse	Effluent Sumersible 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.	SPD. (rpm)	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	-	35° 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	REMARKS
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	Rated for site elevation (~1,300 meters above sea level)
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	Rated for site elevation (~1,300 meters above sea level)



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**PWGSC / TPSGC**

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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**

Project no.	Drawing no.	Revision no.
<b>R.096286.001</b>	<b>M3</b>	<b>3</b>

OF 4

**DRAWING LIST**

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

**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 T' 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

**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 1Ø					AC-35	AT UNIT	2#12			NATURAL GAS, POWER FOR CONTROLS ONLY
HRV-1	HEAT RECOVERY VENTILATOR	ALPINE COTTAGE MECH ROOM	252W	120 1Ø					AC-36	AT UNIT	2#12			PLUG IN CORD
P-1	SUMP PUMP	ALPINE COTTAGE CRAWLSPACE	0.5	120 1Ø					AC-38	CRAWLSPACE	2#10			PLUG IN CORD
FU-1	FURNACE	ALPINE COTTAGE MECH ROOM	FRAC	120 1Ø					AC-37	AT UNIT	2#12			
CF-1	CEILING FAN	ALPINE COTTAGE MAIN AREA	100W	120 1Ø	✓				AC-34	MAIN AREA SWITCH	2#12			SWITCH PROVIDED BY MECHANICAL
CF-2	CEILING FAN	ALPINE COTTAGE MAIN AREA	100W	120 1Ø	✓				AC-34	MAIN AREA SWITCH	2#12			SWITCH PROVIDED BY MECHANICAL
EF-1	EXHAUST FAN	ALPINE COTTAGE CRAWLSPACE	0.25	120 1Ø		✓			AC-39	ALPINE COTTAGE MECH ROOM	2#12			
HWT-2	HOT WATER TANK	BUNK HOUSE MECH ROOM	FRAC	120 1Ø					BH-19	AT UNIT	2#12			NATURAL GAS, POWER FOR CONTROLS ONLY
HRV-2	HEAT RECOVERY VENTILATOR	BUNK HOUSE MECH ROOM	252W	120 1Ø					BH-21	AT UNIT	2#12			PLUG IN CORD
P-2	SUMP PUMP	BUNK HOUSE CRAWLSPACE	0.5	120 1Ø	✓				BH-23	CRAWLSPACE	2#10			PLUG IN CORD
EF-2	EXHAUST FAN	BUNK HOUSE CRAWLSPACE	0.25	120 1Ø		✓			BH-22	BUNK HOUSE MECH ROOM	2#12			
FU-2	FURNACE	BUNK HOUSE MECH ROOM	FRAC	120 1Ø					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/1Ø	STEEL BASEBOARD WITHOUT FLOOR PEDESTAL WHITE EXTERIOR 1683 mm LENGTH		OUELLET: OFM1500 Q-MARK: 2546W STELPRO: B1502ERW
BBH-2	1000W	240V/1Ø	STEEL BASEBOARD WITHOUT FLOOR PEDESTAL WHITE EXTERIOR 1207 mm LENGTH		OUELLET: OFM1000 Q-MARK: 2544W STELPRO: B1002ERW
TA		240V/1Ø	SINGLE POLE BI-METAL THERMOSTAT RATED AT 25A		OUELLET: TB6 Q-MARK: TA1AW STELPRO: B1T1W

\* PLEASE NOTE \*  
 ALL EQUIPMENT SHOWN "FADED BACK" IS EXISTING TO REMAIN UNLESS OTHERWISE NOTED.



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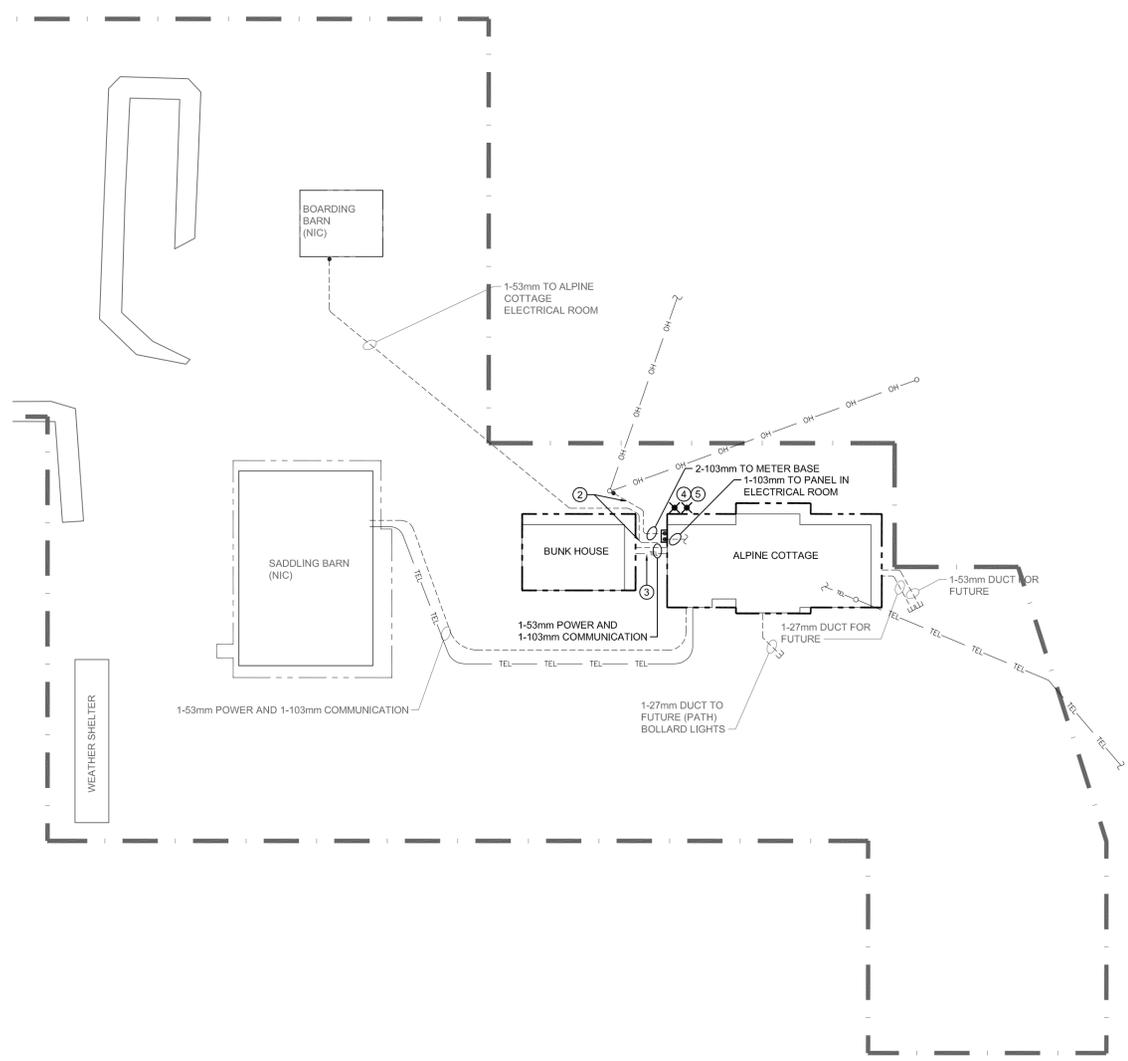
Designed by  
**SS**  
 Drawn by  
**WPD**  
 Approved by  
**SS**  
 PWGC Project Manager  
**MICHAEL LYZANOWSKI**

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

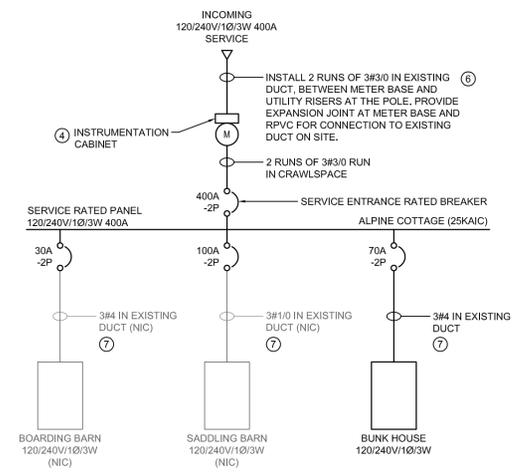
Project no.	Drawing no.	Revision no.
R.096286.001	<b>E0</b>	<b>3</b>
	OF 4	

**KEY NOTES**

1. 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.
2. CONTRACTOR TO INSTALL WIRE IN EXISTING DUCT AS NOTED ON SINGLE LINE DIAGRAM. COORDINATE WITH UTILITY PRIOR TO MAIN FEEDER INSTALLATION.
3. CONTRACTOR TO INSTALL FIBRE CABLE IN EXISTING CONDUIT FROM ALPINE COTTAGE COMMUNICATION BACK BOARD TO BOARDING BARN. REFER TO DETAIL 5, DRAWING E2.
4. 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.
5. 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.
6. CONDUCTOR SIZED PER TABLE D11A, DETAIL 2. INSTALL PER DIAGRAM D11, DETAIL 2.
7. INSTALL PER DETAIL D11.



**SITE PLAN**  
SCALE: 1:400



**1 SINGLE LINE DIAGRAM**  
SCALE: NTS

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Designed by  
**SS**

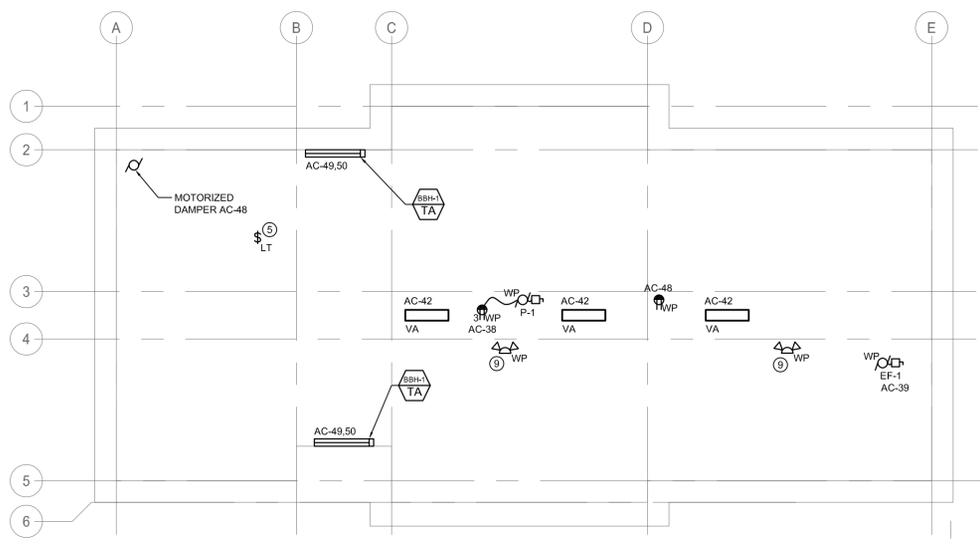
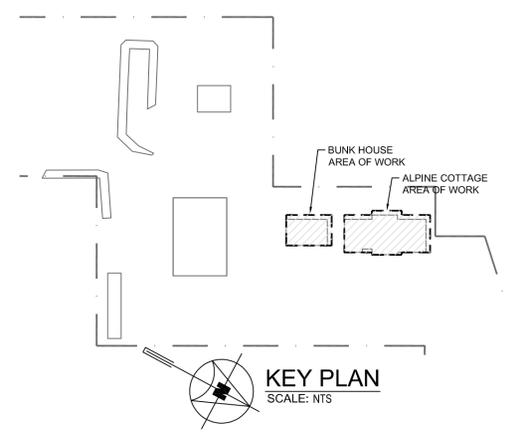
Drawn by  
**WPD**

Approved by  
**SS**

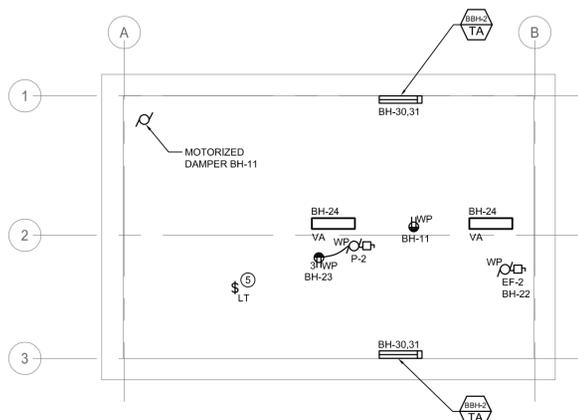
PWGC Project Manager  
**MICHAEL LYZANIEWSKI**

Drawing title  
**SITE PLAN AND SINGLE LINE DIAGRAM**

Project no.	Drawing no.	Revision no.
<b>R.096286.001</b>	<b>E1</b>	<b>3</b>



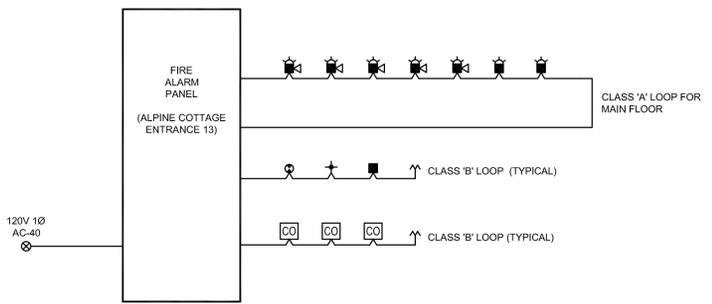
**1 ALPINE COTTAGE CRAWLSPACE FLOOR PLAN - ELECTRICAL**  
SCALE: 1:100



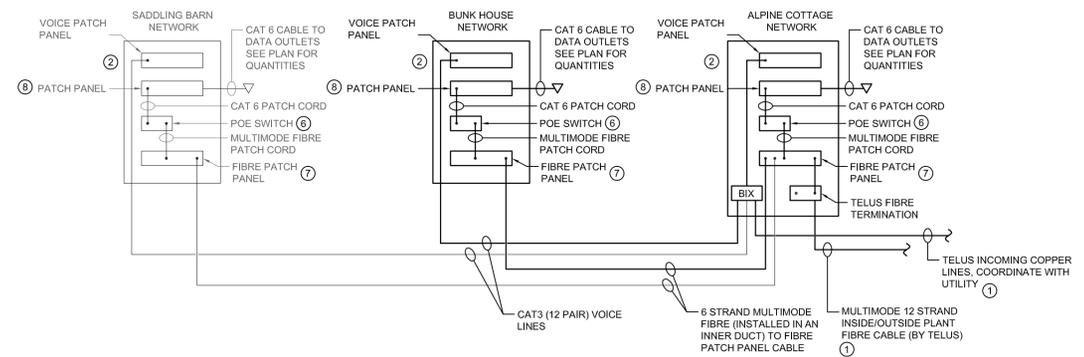
**2 BUNK HOUSE CRAWLSPACE FLOOR PLAN - ELECTRICAL**  
SCALE: 1:100

**KEY NOTES**

1. INCOMING TELUS CABLE TO BE PROVIDED AND INSTALLED BY TELUS, COORDINATE REQUIREMENTS WITH COMMUNICATION UTILITY.
2. PROVIDE AND INSTALL NETWORK ENCLOSURE TILT OUT RACK TYPE AND PROVIDE ALL NECESSARY SWITCHES AND PATCH PANELS WITHIN RACK.
3. TYPICAL FOR BUNK HOUSE. PROVIDE SEPARATE CONTACTOR PANEL AND TIME CLOCK FOR BUNK HOUSE TO CONTROL EXTERIOR LIGHTING FOR BUNK HOUSE.
4. TIME CLOCK TO BE SET TO WATERTON LAKE NATIONAL PARK STANDARDS.
5. PROVIDE AND INSTALL LINE VOLTAGE SWITCH NEAR CRAWLSPACE HATCH ENTRANCE TO CONTROL FIXTURES SERVING CRAWLSPACE. COORDINATE EXACT LOCATION ON SITE.
6. POE/ETHERNET SWITCH TO BE C/W 10Gb FIBER PORTS, PROVIDE AND INSTALL GIGABIT INTERFACE CONVERTERS C/W REQUIRED BANDWIDTH (AS REQUIRED) TO ACCOMMODATE FIBER CABLING. QUANTITY OF POE/ETHERNET SWITCHES TO SUIT NUMBER OF FIELD OUTLETS/DEVICES. SWITCH TO BE SUPPLIED BY DEPARTMENT REPRESENTATIVE. COORDINATE AND INSTALL EQUIPMENT IN RACK.
7. FIBER OPTIC PATCH PANEL(S). QUANTITY OF PATCH PANELS AND PORTS TO SUIT NUMBER OF INCOMING FIBER STRANDS.
8. 24-PORT CAT 6 PATCH PANEL(S). QUANTITY OF PATCH PANELS TO SUIT NUMBER OF FIELD OUTLETS.
9. CONNECT TO BATTERY BANK ON MAIN FLOOR.



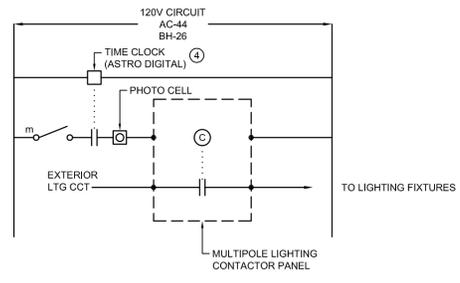
**3 FIRE ALARM RISER DIAGRAM**  
SCALE: NTS



**5 NETWORK WIRING DIAGRAM**  
SCALE: NTS

**COMMS CABINET DETAIL NOTES**

- A. FIBER CABLING 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 TYPES 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.



**4 EXTERIOR LIGHTING CONTROL SCHEMATIC**  
SCALE: NTS

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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  
**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  
**SS**

Drawn by  
**WPD**

Approved by  
**SS**

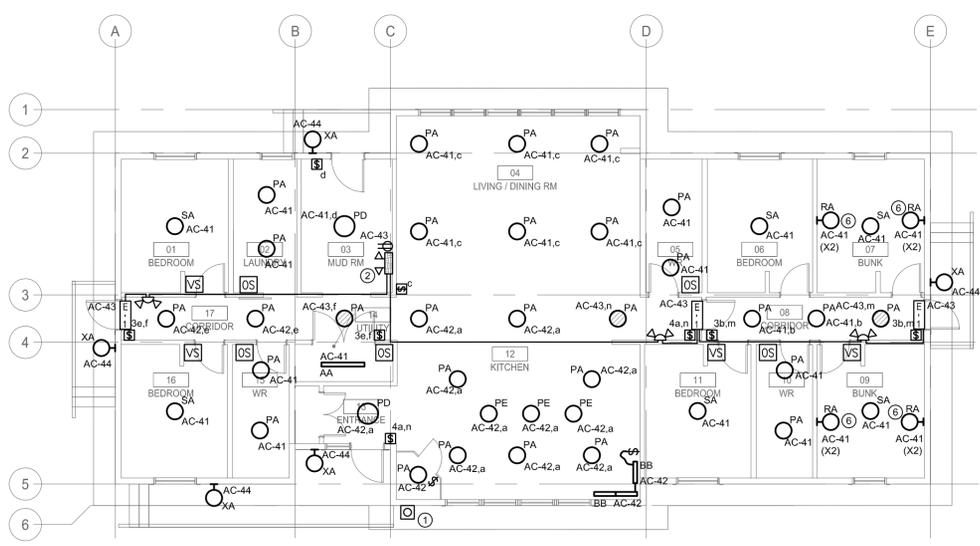
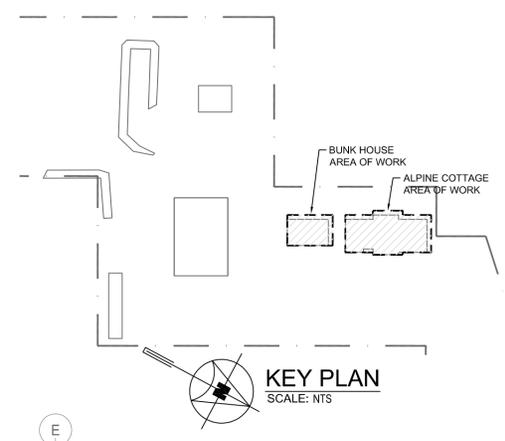
PWGC Project Manager  
**MICHAEL LYZANOWSKI**

Drawing title  
**ALPINE COTTAGE AND BUNK HOUSE CRAWLSPACE PLAN - ELECTRICAL AND RISER DIAGRAM**

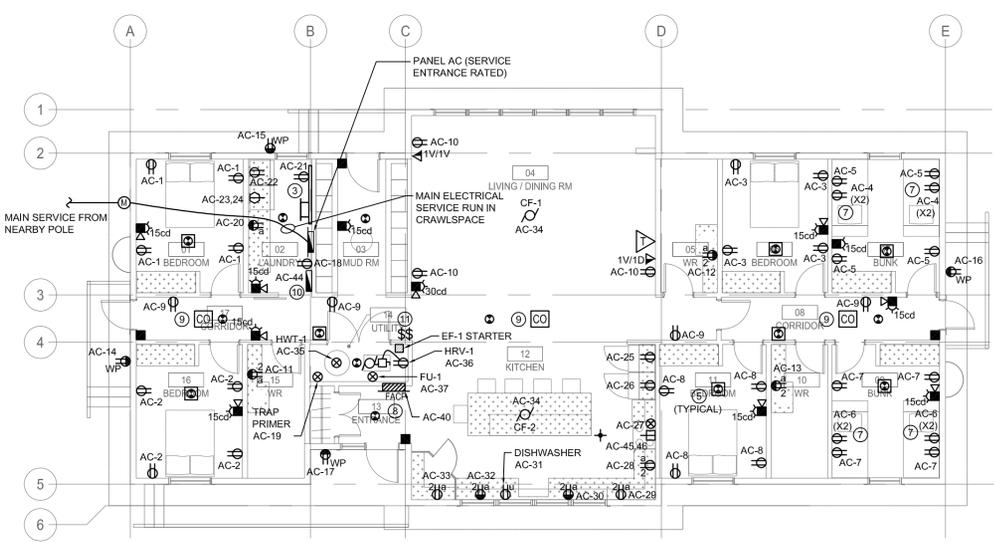
Project no.	Drawing no.	Revision no.
<b>R.096286.001</b>	<b>E2</b>	<b>3</b>

**GENERAL NOTES**

- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING EXACT LAYOUT, ROUTING, ETC. VERIFY EXISTING SERVICES ON SITE.
- CONTRACTOR SHALL ENSURE COORDINATION BETWEEN ALL TRADES AND CONSULTANT, ON AND OFF SITE, AS REQUIRED FOR INSTALLATION OF ELECTRICAL EQUIPMENT.
- EXACT LOCATIONS OF ALL POWER & SYSTEM DEVICES/OUTLETS TO BE CONFIRMED ON SITE WITH INTERIOR DESIGNER PRIOR TO ROUGH-IN.
- REFER TO FOUNDATIONS PACKAGE FOR SITE PLAN AND POWER DISTRIBUTION.
- PC AND PE TYPE FIXTURES OVER KITCHEN TABLE IN KITCHEN 12 AND 07 ARE TO BE MOUNTED AT 3 METERS AFF. COORDINATE FINAL ELEVATION WITH ARCHITECT.



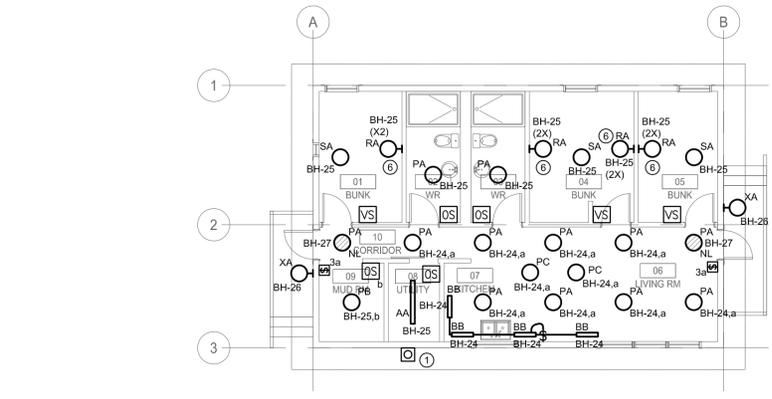
**1 ALPINE COTTAGE FLOOR PLAN - LIGHTING**  
SCALE: 1:100



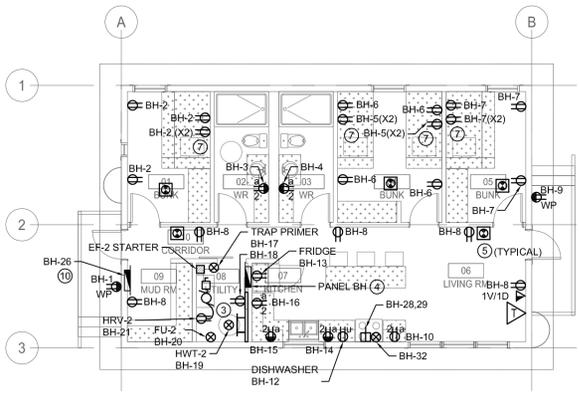
**3 ALPINE COTTAGE FLOOR PLAN - POWER AND SYSTEMS**  
SCALE: 1:100

- KEY NOTES**
- 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.
  - PROVIDE 12VDC, 100W DC EMERGENCY LIGHTING BATTERY BANK. WIRE TO ALL DC LIGHTING WITH #10 AWG IN CONDUIT. BATTERY BANK TO PROVIDE 30 MINUTES OF EMERGENCY POWER. PROVIDE ZONE RELAY TO ALSO MONITOR CIRCUIT AC-22.
  - PROVIDE BACKBOARD C/W GROUND BAR AND RACK FOR VOICE/DATA. BUS BAR TO BE 6mm THICK BY 150mm LONG AND TO BE ON STAND-OFFS. REFER TO DETAIL 5 ON DRAWING E2 FOR NETWORK WIRING. PROVIDE #10 FT4 INSULATED, BOND TO BUILDING GROUND. LABEL TELECOM BONDING CONDUCTOR.
  - FED FROM MAIN CDP LOCATED IN THE ALPINE COTTAGE, REFER TO SINGLE LINE DIAGRAM DRAWING E1.
  - 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.
  - READING LIGHT FOR EACH BED (2x BUNK BEDS), REFER TO ARCHITECTURAL ELEVATION FOR DETAILS.
  - RECEPTACLES MOUNTED NEXT TO EACH READING LIGHT. REFER TO ARCHITECTURAL ELEVATION FOR DETAILS.
  - PROVIDE AND INSTALL A RECESSED SINGLE STAGE ADDRESSABLE FIRE ALARM PANEL. REFER TO DETAILS 3 ON DRAWING E2 FOR FIRE ALARM RISER DIAGRAM.
  - SUPPLY, WIRE AND INSTALL NEW CARBON MONOXIDE DETECTOR. INSTALL PER NFPA 720. WIRE AS A DEDICATED NOTIFICATION LOOP. FIRE ALARM SYSTEM TO PROVIDE A DISTINCT SIGNAL UPON CARBON MONOXIDE ACTIVATION.
  - 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.
  - SWITCHES FOR CEILING FANS, SUPPLIED BY MECHANICAL AND INSTALLED BY ELECTRICAL.

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**2 BUNK HOUSE FLOOR PLAN - LIGHTING**  
SCALE: 1:100



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

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Project title		
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<b>WLNP ALPINE STABLES RECONSTRUCTION ALPINE COTTAGE AND BUNKHOUSE</b>		
Designed by SS		
Drawn by WPD		
Approved by SS		
PWGC Project Manager MICHAEL LYZANOWSKI		
Drawing title		
<b>ALPINE COTTAGE AND BUNK HOUSE FLOOR PLANS - LIGHTING, POWER AND SYSTEMS</b>		
Project no.	Drawing no.	Revision no.
R.096286.001	<b>E3</b>	<b>3</b>
OF 4		

