

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

SADDLING BARN, BOARDING BARN,  
WEATHER SHELTER AND LANDSCAPE

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

WATERTON, ALBERTA

DATE: September 12, 2018  
ISSUED FOR CONSTRUCTION



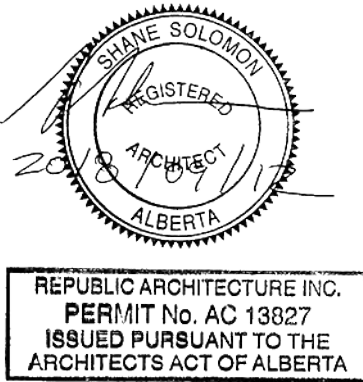
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Revision	Description	Date
2	Issued for Construction	2018 09 12
1	99% Construction Documents Submission	2018 08 21
0	66% Construction Documents Submission	2018 07 26

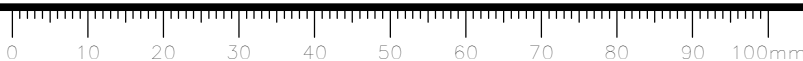
Client  
**PWGC / TPSGC**  
  
ATB Place North Tower  
10025 Jasper Ave, 5th Floor  
Edmonton, Alberta T5J 1S6

Project title  
**SECTION 25, NE CORNER, TOWNSHIP ONE,  
RANGE 30, WEST OF THE 4TH  
WATERTON, ALBERTA**  
  
**WLNP ALPINE STABLES RECONSTRUCTION  
SADDLING BARN, BOARDING BARN,  
WEATHER SHELTER AND LANDSCAPE**

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

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 KGS GROUP INC.

385 ST. MARY AVENUE  
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CIVIL

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LANDSCAPE

SCATLIFF + MILLER + MURRAY

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

STRUCTURAL

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300-275 CARLTON STREET  
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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

CIVIL

- C01 GRADING PLAN  
C02 GRADING PLAN  
C03 PROPOSED SITE COORDINATES

LANDSCAPE

- L1 EXISTING AND REMOVAL PLAN  
L2 OVERALL SITE PLAN  
L3 DETAILED LANDSCAPE PLAN  
L4 LANDSCAPE LAYOUT PLAN  
L5 PLANTING PLAN  
L6 LANDSCAPE DETAILS - PAVING  
L7 LANDSCAPE DETAILS - SITE FURNITURE  
L8 LANDSCAPE DETAILS - PLANTING  
L9 LANDSCAPE DETAILS - METAL FENCE AND GATE  
L10 LANDSCAPE DETAILS - WOOD FENCE & GATES  
L11 LANDSCAPE DETAILS - SIGNAGE

ARCHITECTURAL

- A1.0 SITE PLAN  
A2.1 SADDLING BARN, BOARDING BARN AND WEATHER SHELTER NEW CONSTRUCTION FLOOR PLANS  
A3.1 SADDLING BARN, BOARDING BARN AND WEATHER SHELTER NEW CONSTRUCTION REFLECTED CEILING PLANS  
A4.1 SADDLING BARN, BOARDING BARN AND WEATHER SHELTER EXTERIOR ELEVATIONS  
A5.1 SADDLING BARN, BOARDING BARN PLAN DETAILS  
A6.1 SADDLING BARN BUILDING SECTIONS  
A6.2 BOARDING BARN AND WEATHER SHELTER BUILDING SECTIONS  
A7.1 SADDLING BARN SECTION DETAILS  
A7.2 BOARDING BARN & WEATHER SHELTER SECTION DETAILS, SADDLE STATION, SADDLE TREES & TACK ALLEY DETAILS  
A8.1 SADDLING BARN INTERIOR ELEVATIONS AND SECTIONS  
A8.2 SADDLING BARN AND BOARDING BARN FINISHES SCHEDULE AND INTERIOR DOOR ELEVATIONS

STRUCTURAL

- S2.1 SCHEDULES AND ABBREVIATIONS  
S2.2 SADDLING BARN FRAMING PLAN  
S2.3 BOARDING BARN, WEATHER SHELTER FRAMING PLANS  
S2.4 ELEVATIONS, DETAILS & SECTIONS  
S2.5 SECTIONS & SECTION DETAILS

MECHANICAL

- M0 DRAWING LIST, SYMBOL LEGEND, SCHEDULES AND DETAILS  
M1 SADDLING BARN & BOARDING BARN FLOOR PLANS - PLUMBING AND HVAC

ELECTRICAL

- E0 DRAWING LIST, SYMBOL LEGEND, MOTOR AND HEATER SCHEDULES  
E1 SITE PLAN AND SINGLE LINE DIAGRAM  
E2 SADDLING BARN & BOARDING BARN FLOOR PLANS - LIGHTING, POWER AND SYSTEMS

CODE REVIEW

SADDLING BARN - NBC 2015 - PART 9

OCCUPANCY: GROUP F DIVISION 3 LOW HAZARD INDUSTRIAL  
BUILDING AREA: 330 M2  
OCCUPANCY:  
SADDLING AREA: 5 PEOPLE (DESIGNED OCCUPANCY)  
OFFICE: 5.6M2/PERSON = 4 PEOPLE  
TOTAL OCCUPANCY = 9 PEOPLE

BARRIER FREE  
9.5.2 IN ALL PUBLIC AREAS: OFFICE + WASHROOMS  
ACCESSIBILITY / ENTRANCES  
3.8.2.2 THE OFFICE SHOULD HAVE AT LEAST 1 BARRIER-FREE ENTRANCE. AT LEAST 1 ENTRANCE DOOR IN THE OFFICE WILL REQUIRE A POWER DOOR OPERATOR IF THE PUBLIC ENTERS THE OFFICE.

PLUMBING FACILITIES  
3.8.2.8 A WASHROOM IN A STOREY TO WHICH A BARRIER-FREE PATH OF TRAVEL IS REQUIRED SHALL BE BARRIER FREE. WASHROOM WILL REQUIRE A POWER DOOR OPERATOR.

SIGNS  
3.8.2.10 SIGNS SHALL BE INSTALLED AT BARRIER-FREE ENTRANCES AND WASHROOMS.

COUNTERS  
3.8.2.11 EVERY COUNTER MORE THAN 2 METERS LONG SHALL BE BARRIER-FREE.

BARRIER-FREE PATH OF TRAVEL  
3.8.3.2 MINIMUM 920 MM WIDE WITH WALKING SURFACES W/ NO OPENINGS THAT WILL PERMIT THE PASSAGE OF A SPHERE MORE THAN 13 MM IN DIAMETER OR HAVE ANY ELONGATED OPENINGS ORIENTED PERPENDICULAR TO THE DIRECTION OF TRAVEL. PATHS SHOULD BE STABLE, FIRM AND SLIP-RESISTANT.

DOORWAYS + DOORS  
3.8.3.6 WIDTH MUST BE A MINIMUM OF 800 MM WHEN THE DOOR IS OPEN POSITION.

EGRESS DOORS  
9.9.7.4 TWO EGRESS DOORS SHALL BE PROVIDED TO ANY SUITE MORE THAN 200 M2 AND 15 M TO AN EGRESS DOOR.

FIRE RESISTANCE  
9.10.8.1 THERE IS NO FIRE RESISTANCE RATING REQUIRED FOR THE ROOF.

SPATIAL SEPARATION BETWEEN BUILDINGS 9.10.14.

NORTH FACE IS 12 M /2 = 6 M. THE EXPOSED BUILDING FACE IS 93 M2. 45 MINUTE FRR COMBUSTIBLE OR NON-COMBUSTIBLE CONSTRUCTION. CLADDING TO BE NONCOMBUSTIBLE. 34% UNPROTECTED OPENINGS ALLOWED (31 M2).

EAST FACE IS 20 M TO PROPERTY LINE/2 = 10 M THE EXPOSED BUILDING FACE IS 85 M2. 45 MINUTE FRR COMBUSTIBLE OR NON-COMBUSTIBLE CONSTRUCTION. CLADDING TO BE COMBUSTIBLE OR NONCOMBUSTIBLE. 84% UNPROTECTED OPENINGS ALLOWED.

SOUTH FACE IS 22 M TO PROPERTY LINE /2 = 11 M. THE EXPOSED BUILDING FACE IS 80 M2. 45 MINUTE FRR COMBUSTIBLE OR NON-COMBUSTIBLE CONSTRUCTION. CLADDING TO BE COMBUSTIBLE OR NONCOMBUSTIBLE. 94% UNPROTECTED OPENINGS ALLOWED.

WEST FACE IS 12M /2 = 6 M. THE EXPOSED BUILDING FACE IS 93 M2. 45 MINUTE FRR COMBUSTIBLE OR NON-COMBUSTIBLE CONSTRUCTION. CLADDING TO BE NONCOMBUSTIBLE. 34% UNPROTECTED OPENINGS ALLOWED (31 M2).

FIRE EXTINGUISHERS  
9.10.20. ARE REQUIRED. SHALL BE INSTALLED.

BOARDING BARN - NATIONAL FARM BUILDING CODE 1995

MAJOR OCCUPANCY: 3.1.2.1 / 3.2.2.8 FARM BUILDINGS OF LOW HUMAN OCCUPANCY - LIVESTOCK HOUSING.  
DESCRIPTION OF USE: THREE HORSE STALLS AND A TACK STORAGE ROOM.  
BUILDING AREA: 67 M2  
BUILDING CLASSIFICATION: PART 9 - GROUP F DIVISION 3 LOW HAZARD INDUSTRIAL  
CONSTRUCTION: COMBUSTIBLE  
FIRE RESISTANCE RATINGS: 45 MINUTES ON THE EAST ELEVATION.

SPATIAL SEPARATIONS  
3.1.2.1 \* BECAUSE THIS BUILDING IS CLOSER THAN 30 M FROM THE PROPERTY LINE, THE LDS FOR MEDIUM HAZARD INDUSTRIAL MUST BE USED.

NORTH FACE 12 M TO PROPERTY LINE/2 = 6 M. EXPOSED BUILDING FACE IS 32 M2. 45 MINUTE FRR COMBUSTIBLE OR NON-COMBUSTIBLE CONSTRUCTION. CLADDING TO BE COMBUSTIBLE OR NONCOMBUSTIBLE. 34% UNPROTECTED OPENINGS ALLOWED.

EAST FACE IS 12M /2 = 6 M. THE EXPOSED BUILDING FACE IS 29 M2.45 MINUTE FRR COMBUSTIBLE OR NON-COMBUSTIBLE CONSTRUCTION. CLADDING TO BE COMBUSTIBLE OR NONCOMBUSTIBLE. 44% UNPROTECTED OPENINGS ALLOWED.

SOUTH FACE 100% UNPROTECTED OPENINGS ALLOWED.

WEST FACE IS 19 M TO PROPERTY LINE/2 = 9.5 M. EXPOSED BUILDING FACE IS 32 M2. 45 MINUTE FRR COMBUSTIBLE OR NON-COMBUSTIBLE CONSTRUCTION. CLADDING TO BE COMBUSTIBLE OR NONCOMBUSTIBLE. 61% UNPROTECTED OPENINGS ALLOWED.

EGRESS  
3.2.1.2 FARM BUILDINGS OF LOW HUMAN OCCUPANCY NOT MORE THAN 200 M2 IN FLOOR AREA MAY BE SERVED BY ONE EXIT.

GENERAL NOTES:

- EXISTING SITE INFORMATION WAS TAKEN FROM DRAWINGS RECEIVED FROM PARKS CANADA AND IS ASSUMED CORRECT.
- THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF SITE MEASUREMENTS AND QUANTITIES OF MATERIALS REQUIRED.
- PERFORM WORK IN STRICT ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA AND ANY OTHER CODE OF APPLICATION OR ANY AUTHORITY HAVING JURISDICTION.
- DRAWINGS MUST NOT BE SCALED.
- 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.
- 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.
- 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.
- DIMENSIONS TO FINISHED FACE OF WALL UNLESS OTHERWISE INDICATED.
- SITE CONFIRM EXACT QUANTITIES OF ITEMS TO BE DEMOLISHED PRIOR TO TENDER CLOSE.
- ALL CONSTRUCTION MATERIAL, RECYCLING & WASTE TO BE TAKEN OFF SITE BY CONTRACTOR.
- ALL WORK MUST REMAIN WITHIN THE SITE BOUNDARY TO ENSURE THERE IS NO DISRUPTION OR DAMAGE TO THE BUTTERFLY HABITAT.

ABBREVIATIONS:

ACT	Acoustic Ceiling Tile	FR	Fridge	PTD	Painted
ADO	Automatic Door Opener	FRR	Fire Resistance Rating	QTY	Quantity
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	US	Underside
FHC	Fire Hose Cabinet	PT	Pressure Treated	W/	With



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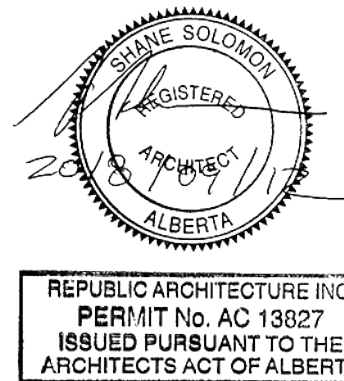
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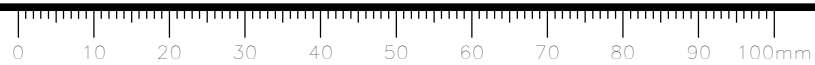
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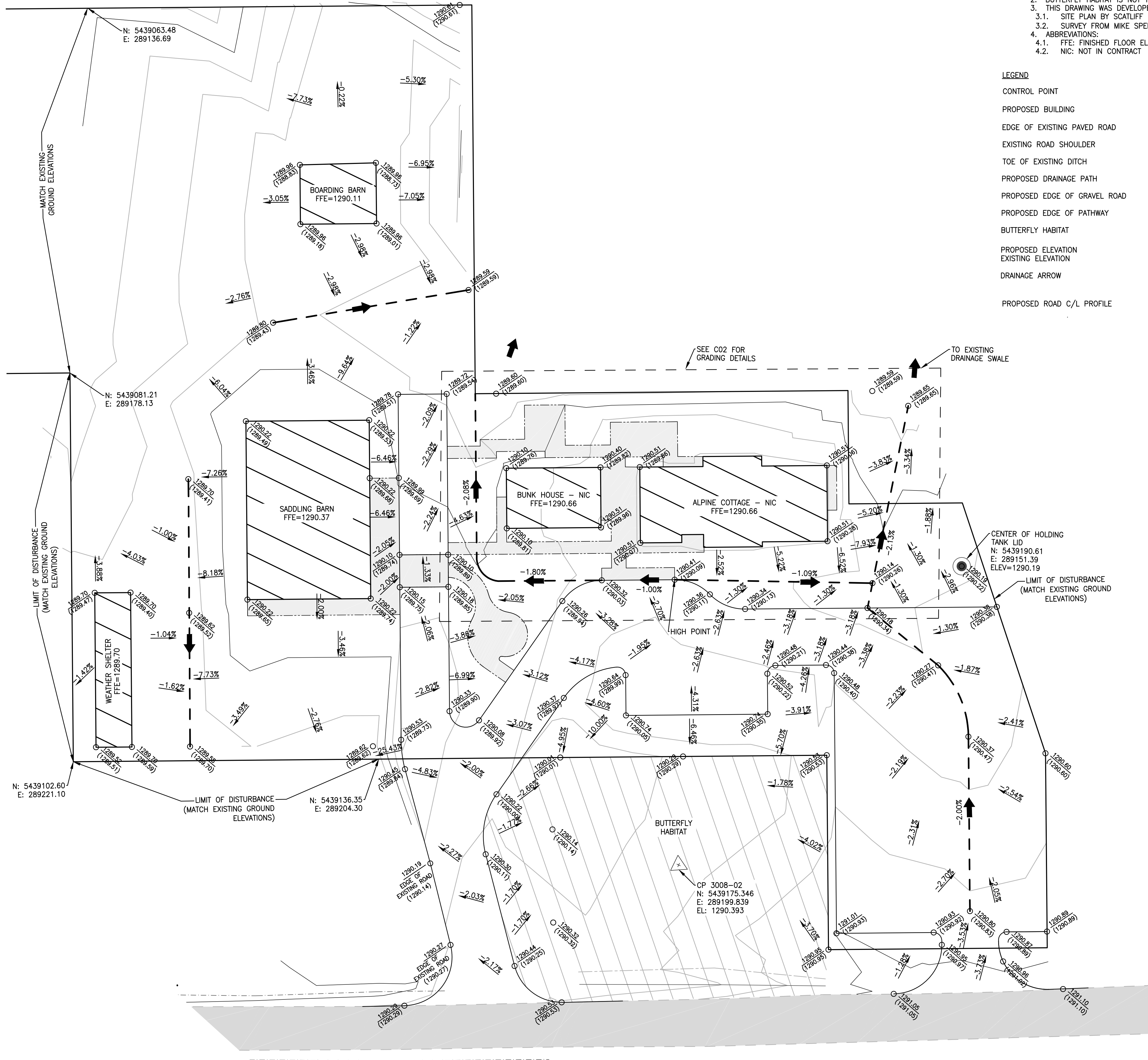
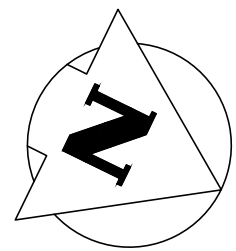
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Client		
PWGSC / TPSGC		
ATB Place North Tower 10025 Jasper Ave, 5th Floor Edmonton, Alberta T5J 1S6		
Project title		
SECTION 25, NE CORNER, TOWNSHIP ONE, RANGE 30, WEST OF THE 4TH WATERTON, ALBERTA		
WLNP ALPINE STABLES RECONSTRUCTION SADDLING BARN, BOARDING BARN, WEATHER SHELTER AND LANDSCAPE		
Designed by		
MS		
Drawn by		
HA		
Approved by		
JR		
PWGSC Project Manager		
MICHAEL LYZANIVSKI		
Drawing title		
LIST OF CONSULTANTS LIST OF DRAWINGS, CODE REVIEW GENERAL NOTES		
Project no.	Drawing no.	Revision no.
R.096286.001	A0.1	2







- NOTES:**
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  4. ABBREVIATIONS:
    - 4.1. FFE: FINISHED FLOOR ELEVATION
    - 4.2. NIC: NOT IN CONTRACT

**LEGEND**

CONTROL POINT

PROPOSED BUILDING

EDGE OF EXISTING PAVED ROAD

EXISTING ROAD SHOULDER

TOE OF EXISTING DITCH

PROPOSED DRAINAGE PATH

PROPOSED EDGE OF GRAVEL ROAD

PROPOSED EDGE OF PATHWAY

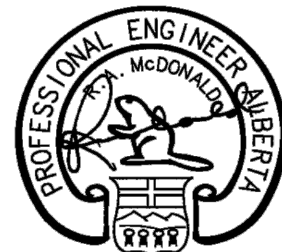
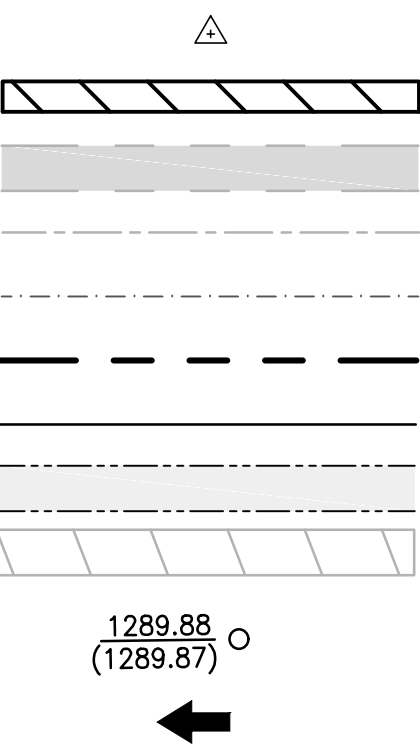
BUTTERFLY HABITAT

PROPOSED ELEVATION

EXISTING ELEVATION

DRAINAGE ARROW

PROPOSED ROAD C/L PROFILE



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**PWGSC/TPSGC**

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

Project title  
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**RANGE 30, WEST OF THE 4TH**  
**WATERTON, ALBERTA**

**WLNP ALPINE STABLES RECONSTRUCTION**  
**SADDLING BARN, BOARDING BARN,**  
**WEATHER SHELTER AND LANDSCAPE**

Designed by

AH

Drawn by

KNS

Approved by

RM

PWGSC Project Manager

MICHAEL LYZANIWSKI

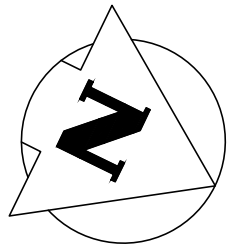
Drawing title

**GRADING PLAN**

Project no.	Drawing no.	Revision no.
<b>R.096286.001</b>	<b>C01</b>	<b>0</b>

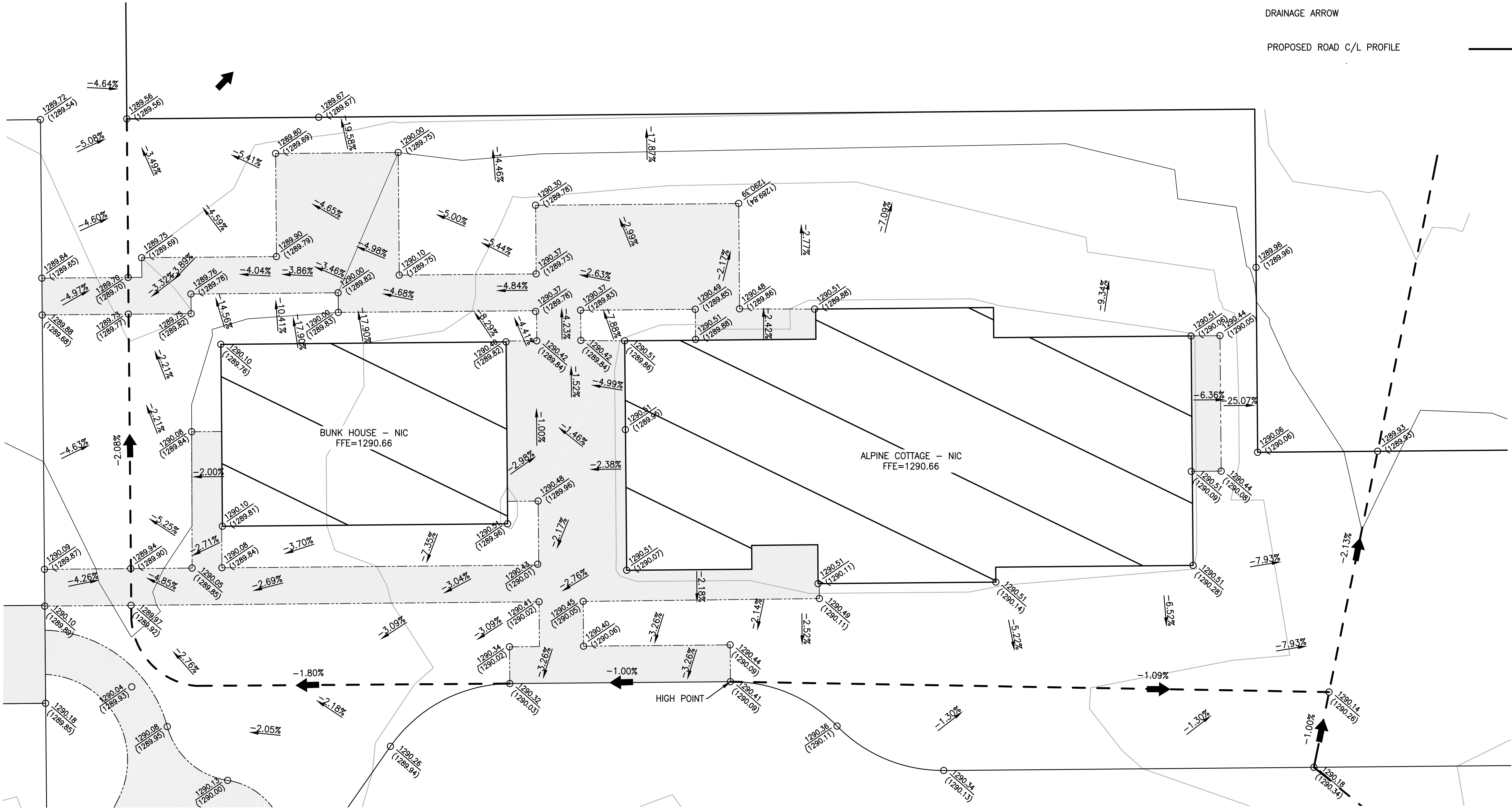
OF 3



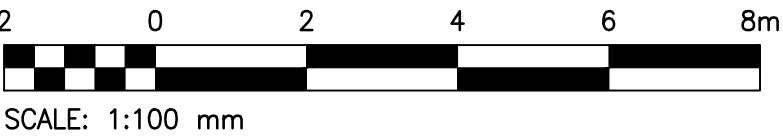


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- LEGEND**
- CONTROL POINT
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- EDGE OF EXISTING PAVED ROAD
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- TOE OF EXISTING DITCH
- PROPOSED DRAINAGE PATH
- PROPOSED EDGE OF GRAVEL ROAD
- PROPOSED EDGE OF PATHWAY
- BUTTERFLY HABITAT
- PROPOSED ELEVATION  
EXISTING ELEVATION
- DRAINAGE ARROW
- PROPOSED ROAD C/L PROFILE



**1 GRADING PLAN**  
C02 SCALE: 1:100



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**KGS GROUP**  
CONSULTING ENGINEERS

Proj #: 18-0109-009  
Package #2

 PROFESSIONAL ENGINEER (P.Eng.)  
KGS GROUP  
P07205

Permit to Practice  
**KGS GROUP**  
P07205

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SADDLING BARN, BOARDING BARN,  
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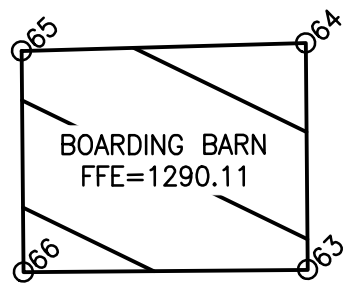
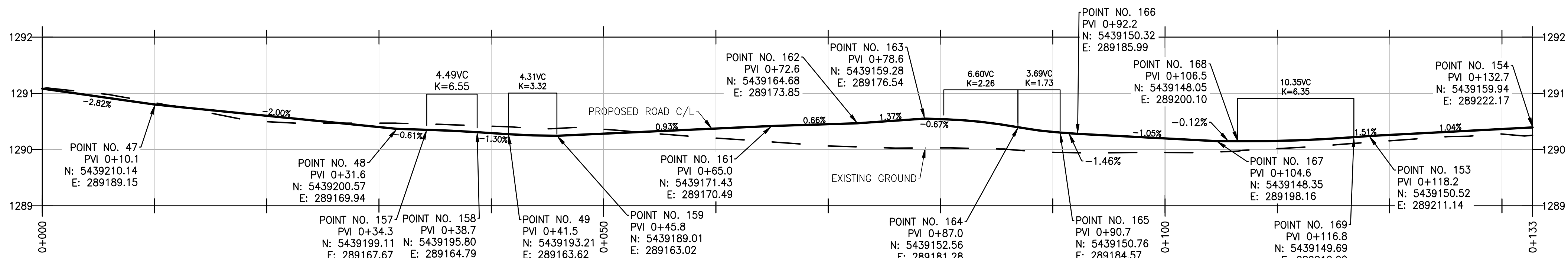
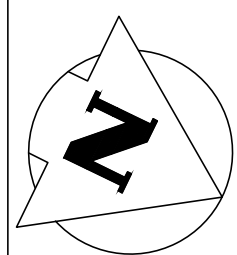
PWGSC Project Manager  
**MICHAEL LYZANIWSKI**

Drawing title

**GRADING PLAN**

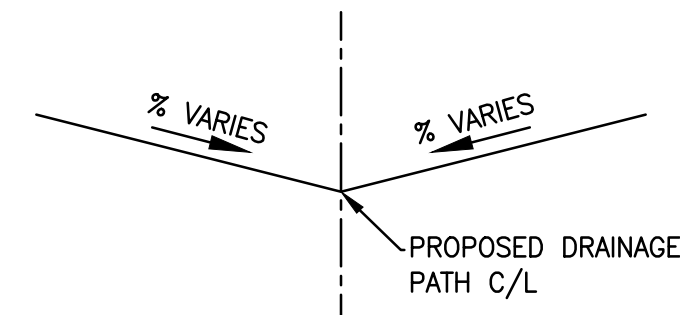
Project no.	Drawing no.	Revision no.
<b>R.096286.001</b>	<b>C02</b> OF 3	<b>0</b>





### PROPOSED ROAD C/L PROFILE

SCALE: H: 1:250  
V: 1:100



### DRAINAGE PATH CROSS SECTION

SCALE: NTS

#### LEGEND

CONTROL POINT

PROPOSED BUILDING

EDGE OF EXISTING PAVED ROAD

EXISTING ROAD SHOULDER

TOE OF EXISTING DITCH

PROPOSED DRAINAGE PATH

PROPOSED EDGE OF GRAVEL ROAD

PROPOSED EDGE OF PATHWAY

BUTTERFLY HABITAT

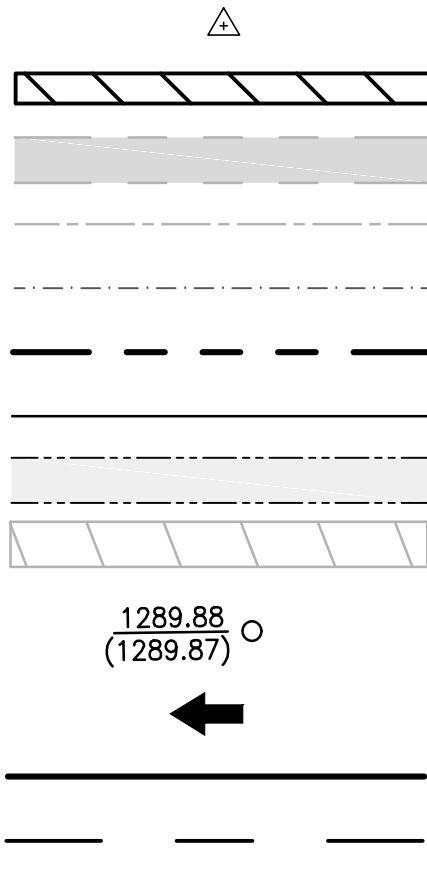
PROPOSED ELEVATION

EXISTING ELEVATION

DRAINAGE ARROW

PROPOSED ROAD C/L PROFILE

EXISTING ROAD C/L PROFILE

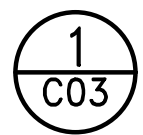
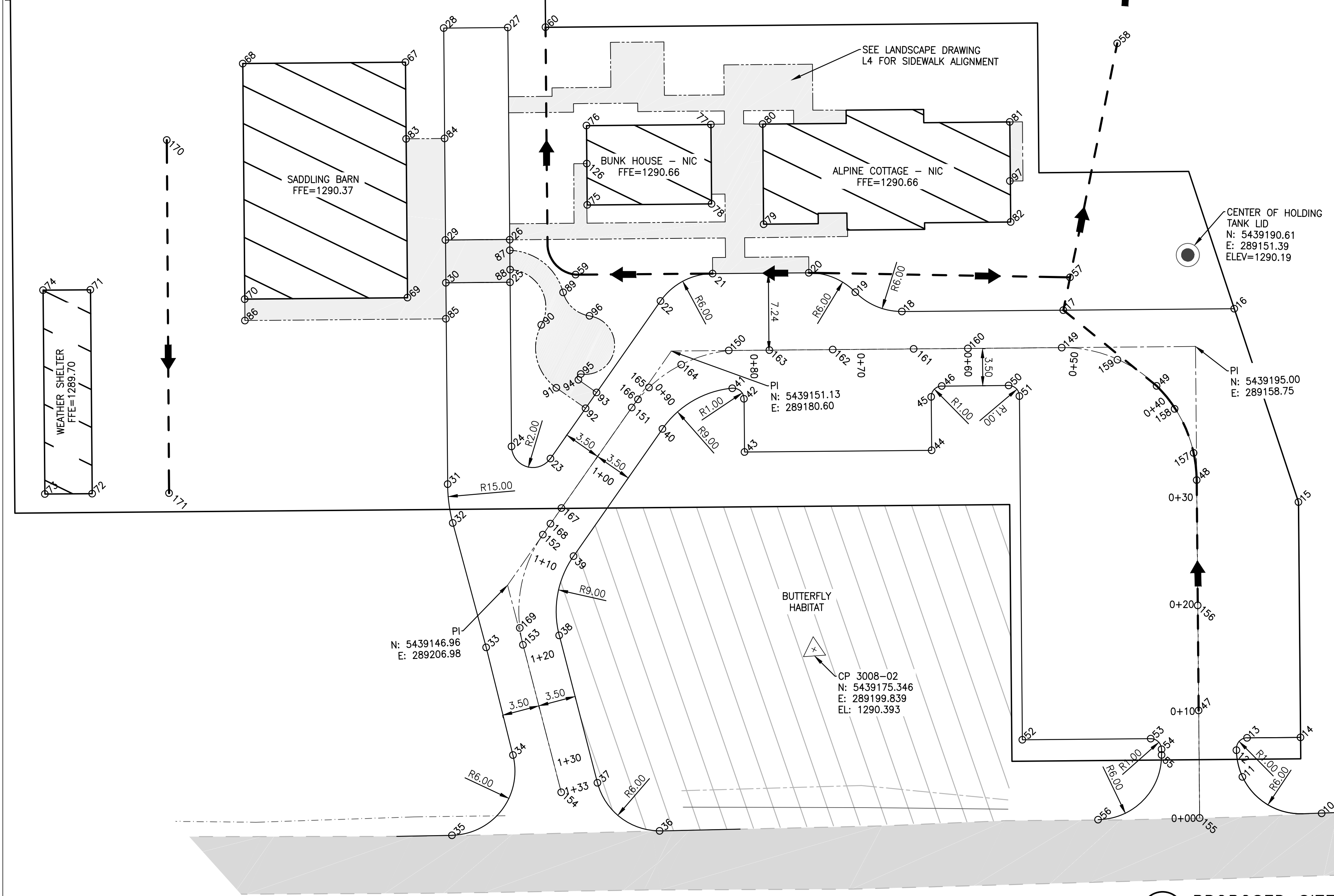


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  - 4.3. PVI: POINT OF VERTICAL INTERSECTION
  - 4.4. PI: POINT OF INTERSECTION
  - 4.5. C/L: CENTERLINE
  - 4.6. VC: VERTICAL CURVE

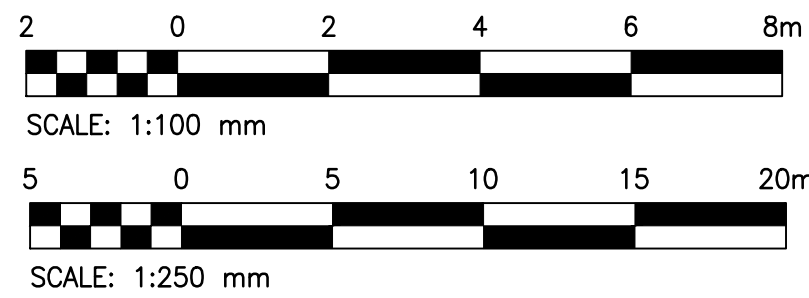
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Point No.	Northing	Easting	Elevation (Proposed)	Elevation (Existing)	Description
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12	5439214.97	289191.01	1290.91	1290.89	Edge of Proposed Gravel Road
13	5439215.35	289189.54	1290.87	1290.89	Edge of Proposed Gravel Road
14	5439219.83	289187.31	1290.89	1290.89	Edge of Proposed Gravel Road
15	5439210.02	289167.62	1290.60	1290.60	Edge of Proposed Gravel Road
16	5439196.71	289153.99	1290.38	1290.38	Edge of Proposed Gravel Road
17	5439182.41	289161.11	1290.18	1290.34	Edge of Proposed Gravel Road
18	5439168.90	289167.84	1290.34	1290.13	Edge of Proposed Gravel Road
19	5439164.19	289168.12	1290.36	1290.11	Edge of Proposed Gravel Road
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21	5439151.43	289172.40	1290.32	1290.03	Edge of Proposed Gravel Road
22	5439148.18	289176.84	1290.26	1289.94	Edge of Proposed Gravel Road
23	5439145.38	289194.58	1290.08	1289.92	Edge of Proposed Gravel Road
24	5439141.61	289195.16	1290.33	1289.90	Edge of Proposed Gravel Road
25	5439134.77	289181.42	1290.18	1289.85	Edge of Proposed Gravel Road
26	5439132.99	289177.83	1290.10	1289.89	Edge of Proposed Gravel Road
27	5439124.15	289160.10	1289.72	1289.54	Edge of Proposed Gravel Road
28	5439118.79	289162.77	1289.78	1289.51	Edge of Proposed Gravel Road
29	5439127.61	289180.51	1290.10	1289.74	Edge of Proposed Gravel Road
30	5439129.40	289184.09	1290.15	1289.75	Edge of Proposed Gravel Road
31	5439137.79	289200.94	1290.53	1289.73	Edge of Proposed Gravel Road
32	5439139.81	289204.00	1290.45	1289.84	Edge of Proposed Gravel Road
33	5439147.71	289213.08	1290.19	1290.14	Edge of Proposed Gravel Road
34	5439154.37	289221.04	1290.27	1290.27	Edge of Proposed Gravel Road
35	5439152.53	289230.28	1290.29	1290.29	Edge of Proposed Gravel Road
36	5439169.80	289221.41	1290.53	1290.53	Edge of Proposed Gravel Road
37	5439162.61	289219.91	1290.44	1290.25	Edge of Proposed Gravel Road
38	5439153.36	289209.09	1290.30	1290.11	Edge of Proposed Gravel Road
39	5439151.32	289201.84	1290.22	1290.00	Edge of Proposed Gravel Road
40	5439153.58	289187.51	1290.37	1289.97	Edge of Proposed Gravel Road
41	5439157.79	289181.25	1290.61	1290.00	Edge of Proposed Gravel Road
42	5439159.20	289181.64	1290.64	1289.99	Edge of Proposed Gravel Road
43	5439161.42	289186.09	1290.74	1290.05	Edge of Proposed Gravel Road
44	5439177.08	289178.29	1290.74	1290.35	Edge of Proposed Gravel Road
45	5439174.85	289173.81	1290.52	1290.22	Edge of Proposed Gravel Road
46	5439175.30	289172.47	1290.48	1290.21	Edge of Proposed Gravel Road
47	5439210.14	289189.15	1290.80	1290.83	PVI & C/L of Proposed Road
48	5439200.57	289169.94	1290.37	1290.47	PVI & C/L of Proposed Road
49	5439193.21	289163.62	1290.27	1290.41	C/L of Proposed Road
50	5439180.89	289169.69	1290.44	1290.38	Edge of Proposed Gravel Road
51	5439182.23	289170.14	1290.48	1290.40	Edge of Proposed Gravel Road
52	5439196.56	289198.90	1291.01	1290.93	Edge of Proposed Gravel Road
53	5439207.30	289193.55	1290.93	1290.92	Edge of Proposed Gravel Road
54	5439208.64	289194.00	1290.95	1290.95	Edge of Proposed Gravel Road
55	5439208.88	289194.48	1290.95	1290.97	Edge of Proposed Gravel Road
56	5439206.19	289202.52	1291.05	1291.05	Edge of Proposed Gravel Road
57	5439181.62	289158.08	1290.14	1290.26	C/L of Proposed Swale
58	5439176.01	289136.48	1289.65	1289.65	C/L of Proposed Swale
59	5439139.96	289178.09	1290.09	1289.94	C/L of Proposed Swale
60	5439127.30	289158.53	1289.56	1289.56	C/L of Proposed Swale
61	5439101.04	289161.57	1289.80	1289.43	C/L of Proposed Swale
62	5439121.05	289147.30	1289.59	1289.59	C/L of Proposed Swale
63	5439107.15	289144.98	1289.96	1289.01	Boarding Barn

64	5439103.81	289138.27	1289.96	1288.73	Boarding Barn
65	5439095.48	289142.62	1289.96	1288.83	Boarding Barn
66	5439098.74	289149.17	1289.96	1289.96	Boarding Barn
67	5439116.97	289167.20	1290.22	1289.53	Saddling Barn
68	5439103.35	289173.98	1290.22	1289.49	Saddling Barn
69	5439126.78	289186.91	1290.22	1289.74	Saddling Barn
70	5439131.16	289193.70	1290.22	1289.65	Saddling Barn
71	5439099.81	289199.23	1289.70	1289.40	Weather Shelter
72	5439108.31	289116.29	1289.70	1289.59	Weather Shelter
73	5439104.34	289218.26	1289.52	1289.51	Weather Shelter
74	5439095.85	289201.20	1289.70	1289.47	Weather Shelter
75	5439138.09	289171.76	1290.10	1289.81	Bunk House
76	5439134.78	289165.12	1290.10	1289.76	Bunk House
77	5439145.19	289159.94	1290.40	1289.82	Bunk House
78	5439148.50	289166.58	1290.51	1289.96	Bunk House
79	5439153.70	289166.16	1290.51	1290.07	Alpine Cottage
80	5439149.52	289157.78	1290.51	1289.86	Alpine Cottage
81	5439170.20	289147.48	1290.51	1290.06	Alpine Cottage
82	5439174.37	289155.86	1290.51	1290.28	Alpine Cottage
83	5439120.16	289173.62	1290.22	1289.68	Proposed Pathway
84	5439123.38	289172.01	1289.99	1289.69	Proposed Pathway
85	5439130.87	289187.12	1290.18	1289.79	Proposed Pathway
86	5439114.05	289195.49	1290.18	1289.58	Proposed Pathway
87	5439133.44	289178.74	1290.12	1289.89	Proposed Pathway
88	5439134.26	289180.35	1290.16	1289.88	Proposed Pathway
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90	5439139.14	289183.72	1290.10	1289.94	Proposed Pathway
91	5439142.98	289188.40	1290.08	1289.99	Proposed Pathway
92	5439146.27	289188.92	1290.14	1289.92	Proposed Pathway
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94	5439144.51	289186.82	1290.12	1289.98	Proposed Pathway
95	5439144.47	289186.24	1290.12	1290.01	Proposed Pathway
96	5439142.82	289180.99	1290.13	1290.00	Proposed Pathway
97	5439172.63	289152.45	1290.51	1290.09	Proposed Pathway
149	5439183.81	289164.32	1290.28	1290.34	C/L of Proposed Road
150	5439155.94	289178.20	1290.52	1290.02	C/L of Proposed Road
151	5439150.12	289186.96	1290.27	1289.94	C/L of Proposed Road
152	5439147.86	289201.29	1290.15	1289.99	C/L of Proposed Road
153	5439150.52	289211.14	1290.24	1290.13	PVI & C/L of Proposed Road
154	5439159.94	289222.17	1290.39	1290.25	PVI & C/L of Proposed Road
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158	5439195.80	289164.79	1290.31	1290.43	PVI & C/L of Proposed Road
159	5439189.01	289163.02	1290.25	1290.38	PVI & C/L of Proposed Road
160	5439175.95	289168.24	1290.38	1290.20	C/L of Proposed Road
161	5439171.43	289170.49	1290.42	1290.14	PVI & C/L of Proposed Road
162	5439164.68	289173.85	1290.47	1290.05	PVI & C/L of Proposed Road
163	5439159.28	289176.54	1290.55	1290.03	PVI & C/L of Proposed Road
164	5439152.56	289181.28	1290.39	1289.99	PVI & C/L of Proposed Road
165	5439150.76	289184.57	1290.30	1289.95	PVI & C/L of Proposed Road
166	5439150.32	289185.99	1290.28	1289.94	PVI & C/L of Proposed Road
167	5439148.35	289198.16	1290.15	1289.96	PVI & C/L of Proposed Road
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170	5439100.09	289183.51	1289.70	1289.41	C/L of Proposed Swale
171	5439114.74	289213.10	1289.59	1289.70	C/L of Proposed Swale



### PROPOSED SITE COORDINATES

SCALE: 1:250



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

KGS GROUP CONSULTING ENGINEERS

Proj #: 18-0109-009  
Package #2

Permit to Practice

KGS GROUP

P07205

2	Issued for Construction	2018 09 12
1	99% Construction Documents Submission	2018 08 21
0	60% 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  
SADDLING BARN, BOARDING BARN,  
WEATHER SHELTER AND LANDSCAPE

Designed by  
AH

Drawn by  
KNS

Approved by  
RM

PWGSC Project Manager  
MICHAEL LYZANIWSKI

Drawing title

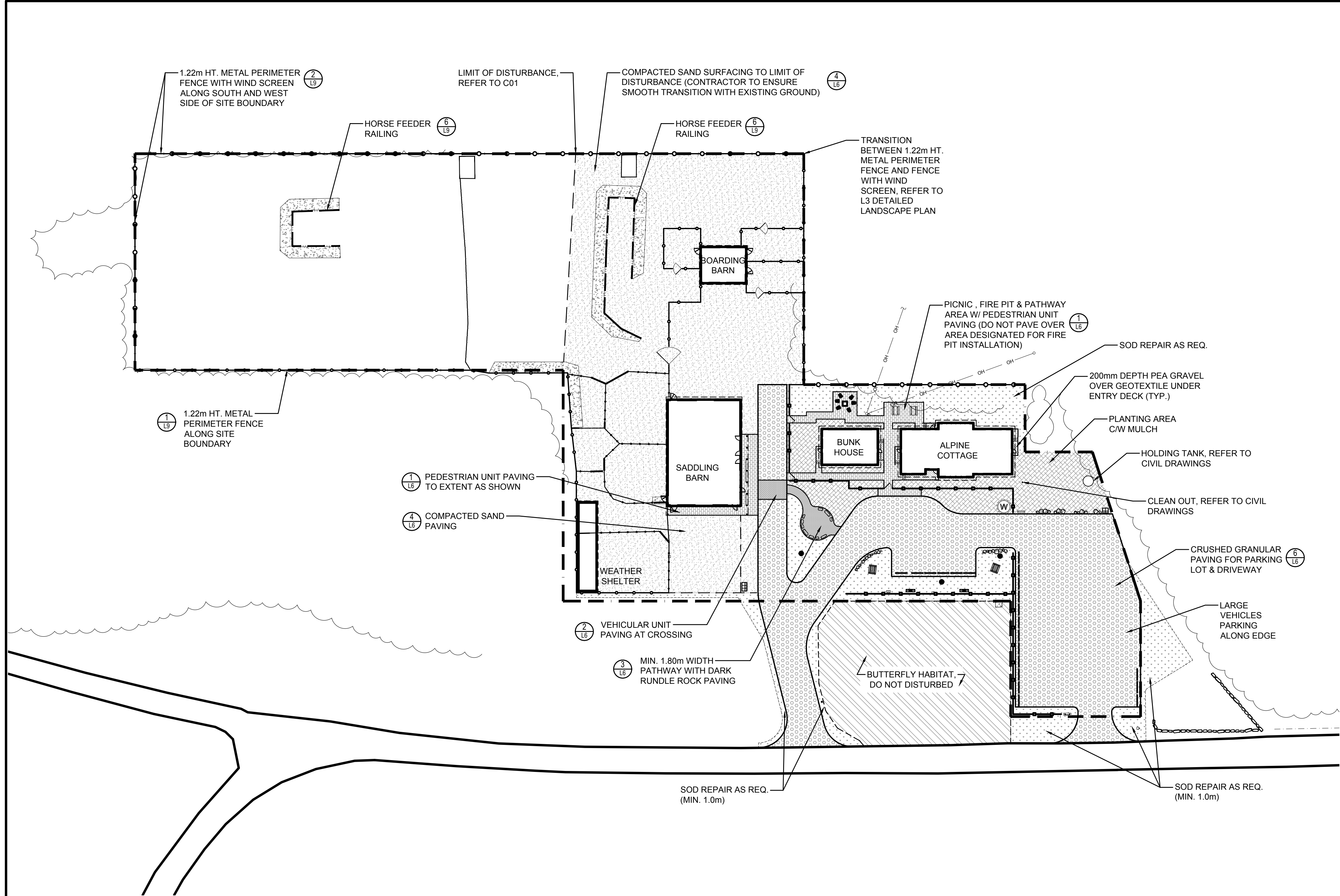
PROPOSED SITE COORDINATES

Project no.	Drawing no.	Revision no.
R.096286.001	C03	0
	OF 3	









1 OVERALL SITE PLAN  
L2 SCALE - 1:500



- 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. REFER ALSO TO WRITTEN SPECIFICATIONS.


LEGEND

EXISTING

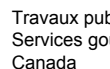
- SITE BOUNDARY
- BUTTERFLY HABITAT - DO NOT DISTURB
- EXISTING TREE / VEGETATION TO REMAIN AND PROTECTED
- EXISTING WATER WELL TO REMAIN
- EXISTING WATER TAP TO REMAIN
- EXISTING ELECTRICAL POLE & PANEL TO REMAIN
- EXISTING STEEL FENCE TO REMAIN
- EXISTING TEMPORARY FENCE TO REMAIN
- EXISTING GATE TO REMAIN
- EXISTING CONCRETE PAD
- EXISTING BOULDERS TO REMAIN
- PROPOSED PARK OUTDOOR FAUCET UNDER SEPARATE CONTRACT, INSTALLED PRIOR TO CURRENT CONTRACT

PROPOSED

- CONCRETE UNIT PAVER PAVING - PEDESTRIAN (272 sq.m.)
- CONCRETE UNIT PAVER PAVING - VEHICULAR (24 sq.m.)
- CRUSHED GRANULAR PAVING (2,110 sq.m.)
- DARK RUNDLE ROCK PAVING (54 sq.m.)
- COMPACTED SAND PAVING (3,215 sq.m.)
- PEA GRAVEL UNDER STAIRS / DECKS (34 sq.m.)
- SOD AREA (1,125 sq.m.)
- PLANTING AREA C/W MULCH COVER (590 sq.m.)
- METAL PERIMETER FENCE (293 l.m.)
- METAL PERIMETER FENCE WITH WIND SCREEN (233 l.m.)
- METAL HITCHING RAIL (39 l.m.)
- METAL FEEDER RAILING (83 l.m.)
- WOOD CROSSBUCK FENCE (146 l.m.)
- WOOD GATE & END POST
- METAL GATE
- BENCH
- TYPICAL PICNIC TABLE
- HEAVY DUTY ADIRONDACK CHAIR



Public Works and  
Government Services  
Canada



Travaux publics et  
Services gouvernementaux  
Canada

REAL PROPERTY SERVICES


Western Region

SERVICES IMMOBILIERS

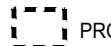
Région de l'ouest


SCATLIFF + MILLER + MURRAY

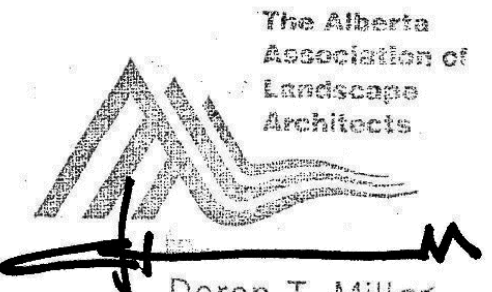
visionary urban design + landscapes

KEY PLAN

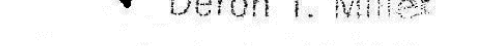
SCALE: 1:2500

PROPERTY LINE

AREA OF WORK



The Alberta  
Association of  
Landscape  
Architects



Deron T. Miller

September 13, 2018

2	ISSUED FOR CONSTRUCTION	2018 09 13
1	99% CONSTRUCTION DOCUMENTS SUBMISSION	2018 08 21
0	66% Construction Documents Submission	2018 07 26
Revision	Description	Date

Client

PWGSC / TPSGC

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

Project title

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

WLNP ALPINE STABLES RECONSTRUCTION  
SADDLING BARN, BOARDING BARN,  
WEATHER SHELTER AND LANDSCAPE

Designed by

CD

Drawn by

WF

Approved by

DM

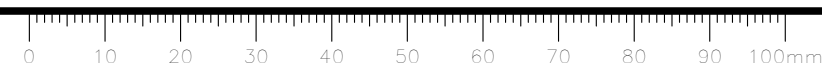
PWGSC Project Manager

MICHAEL LYZANIWSKI

Drawing title

OVERALL SITE PLAN

Project no.	Drawing no.	Revision no.
R.096286.001	L2	0
	OF	







EXISTING

- PROPOSED

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Client \_\_\_\_\_

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## WINP ALPINE STABLES RECONSTRUCTION

Designed by \_\_\_\_\_

Drawn by \_\_\_\_\_

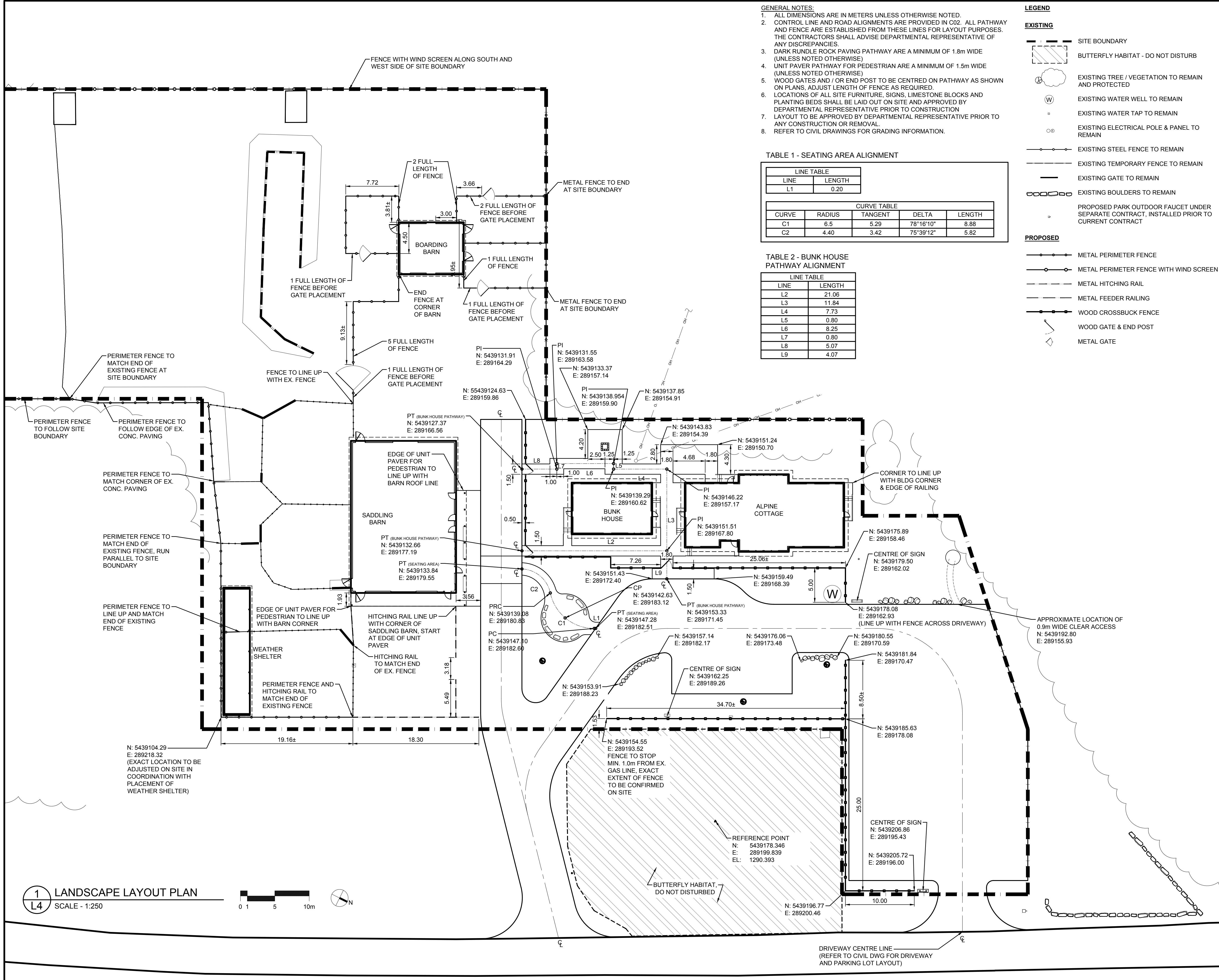
Approved by \_\_\_\_\_

PWGSC Project Manager

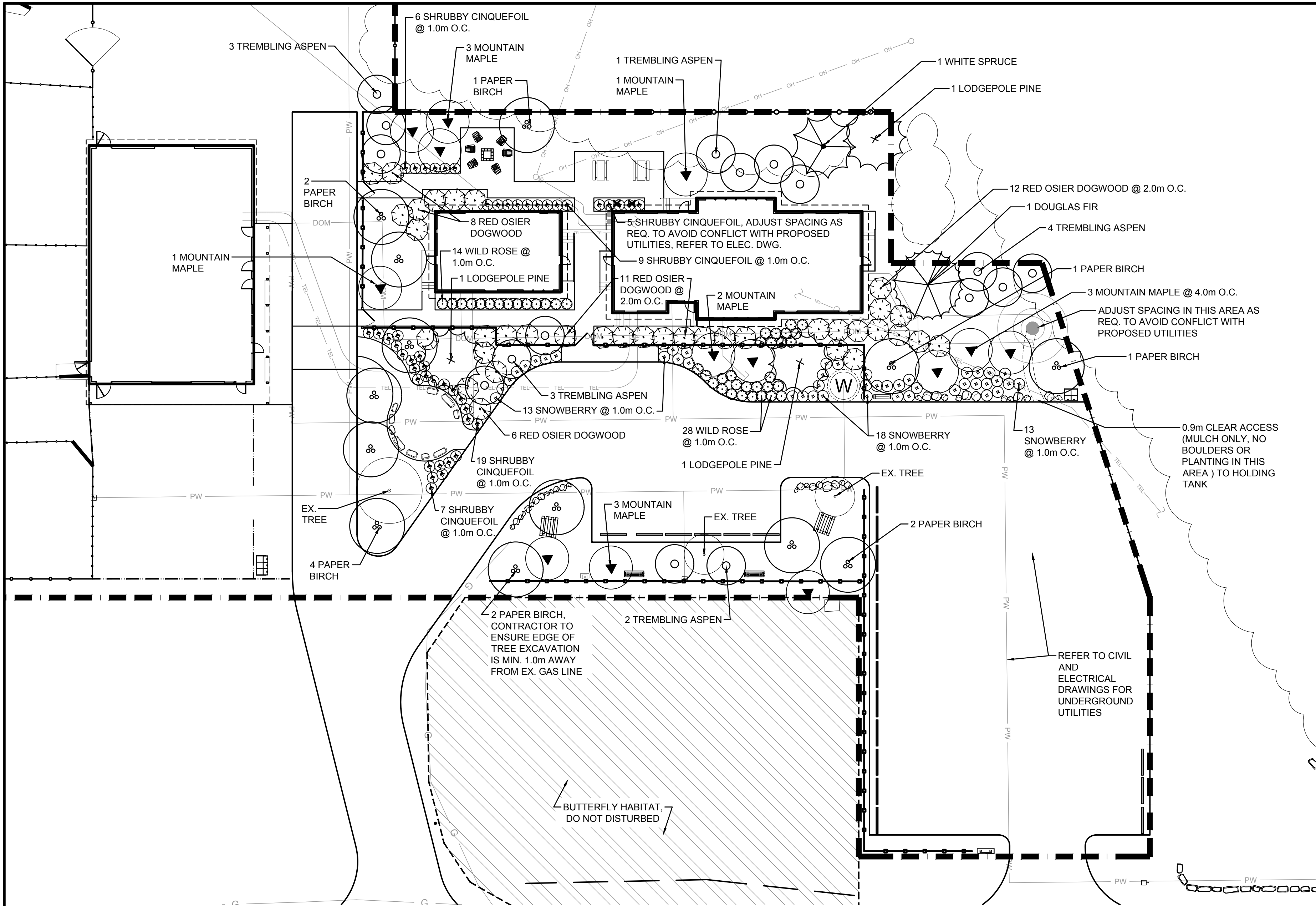
Drawing title

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**1**  
**L5** **PLANTING PLAN**  
SCALE - 1:250

PLANT SCHEDULE (Refer to L8 for Planting Details)

QTY.	COMMON NAME	BOTANICAL NAME	SIZE AND REMARKS (shown are min. spec.)	SPACING
CONIFEROUS TREES				
1	DOUGLAS FIR	<i>Pseudotsuga menziesii</i>	2.4m ht., 900mm Base Width, Min. 900mm wide Root Ball, Single Upright Leader, Well Branched, Full Form 360° to grade. Machine Dug. Root Flare to be Visible.	AS SHOWN
1	WHITE SPRUCE	<i>Picea glauca</i>	2.4m ht., 900mm Base Width, Min. 900mm wide Root Ball, Single Upright Leader, Well Branched, Full Form 360° to grade. Machine Dug. Root Flare to be Visible.	AS SHOWN
3	LODGEPOLE PINE	<i>Pinus contorta</i>	2.4m ht., 900mm Base Width, Min. 900mm wide Root Ball, Single Upright (No Broken) Leader, Well Branched, Full Form 360° to grade. Machine Dug. Root Flare to be Visible.	AS SHOWN
DECIDUOUS TREES				
13	PAPER BIRCH	<i>Betula papyrifera</i>	60mm Calliper, 3.5 - 4.0m ht., 11 Major Branches in Well Formed Head 2.0m Above Grade. Straight Trunk. Wire Basket Machine Dug. Root Flare to be Visible.	AS SHOWN
16	TREMBLING ASPEN	<i>Populus tremuloides</i>	60mm Calliper, 3.5 - 4.0m ht., 11 Major Branches in Well Formed Head 2.0m Above Grade. Straight Trunk. Wire Basket Machine Dug. Root Flare to be Visible.	AS SHOWN
DECIDUOUS SHRUBS				
13	MOUNTAIN MAPLE	<i>Acer glabrum</i>	Multi-Stem, 30mm Calliper (All Stems), 2.5 - 3.0m ht., Well Branched and Balanced, Min. 5 Major Branches. 1.75m Above Grade. Wire Basket Machine Dug. Root Flare to be Visible.	4.0m O.C.
46	SHRUBBY CINQUEFOIL	<i>Pontentilla fruticosa</i>	500-600mm ht. Min. 5 major basal branches. Well formed, bushy plants. Free of pests and disease. Container Grown	1.0m O.C.
37	RED OSIER DOGWOOD	<i>Cornus stolonifera</i>	600-800mm ht. Min. 5 major basal branches. Well formed, bushy plants. Free of pests and disease. Container Grown	2.0m O.C.
44	SNOWBERRY	<i>Symphoricarpos albus</i>	500-600mm ht. Min. 5 major basal branches. Well formed, bushy plants. Free of pests and disease. Container Grown	1.0m O.C.
42	COMMON WILD ROSE	<i>Rosa woodsii</i>	500-600mm ht. Min. 5 major basal branches. Well formed, bushy plants. Free of pests and disease. Container Grown	1.0m O.C.

GENERAL NOTES:  
1. ALL TREE LOCATIONS TO BE STAKED FOR APPROVAL BY DEPARTMENTAL REPRESENTATIVE PRIOR TO PLANTING.  
2. REFER ALSO TO WRITTEN SPECIFICATIONS.

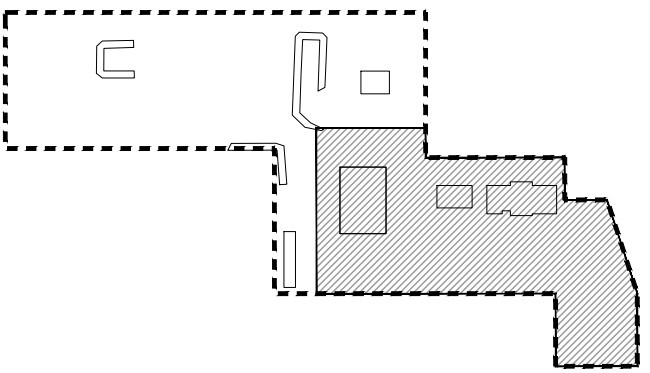
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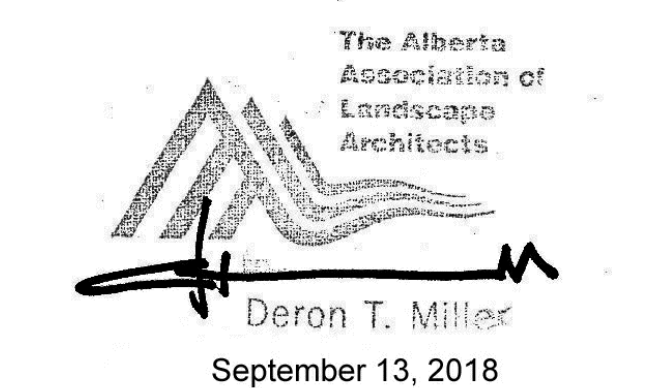
- SITE BOUNDARY
- BUTTERFLY HABITAT - DO NOT DISTURB
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- EXISTING WATER TAP TO REMAIN
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- EXISTING TEMPORARY FENCE TO REMAIN
- EXISTING GATE TO REMAIN
- EXISTING BOULDERS TO REMAIN
- PROPOSED PARK OUTDOOR FAUCET UNDER SEPARATE CONTRACT, INSTALLED PRIOR TO CURRENT CONTRACT

PROPOSED

- METAL PERIMETER FENCE
- METAL PERIMETER FENCE WITH WIND SCREEN
- METAL HITCHING RAIL
- METAL FEEDER RAILING
- WOOD CROSSBUCK FENCE
- WOOD GATE & END POST
- METAL GATE
- BENCH
- TYPICAL PICNIC TABLE
- HEAVY DUTY ADIRONDACK CHAIR



**KEY PLAN**  
SCALE: 1:2500  
PROPERTY LINE  
AREA OF WORK



September 13, 2018

Revision	Description	Date
2	ISSUED FOR CONSTRUCTION	2018 09 13
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**

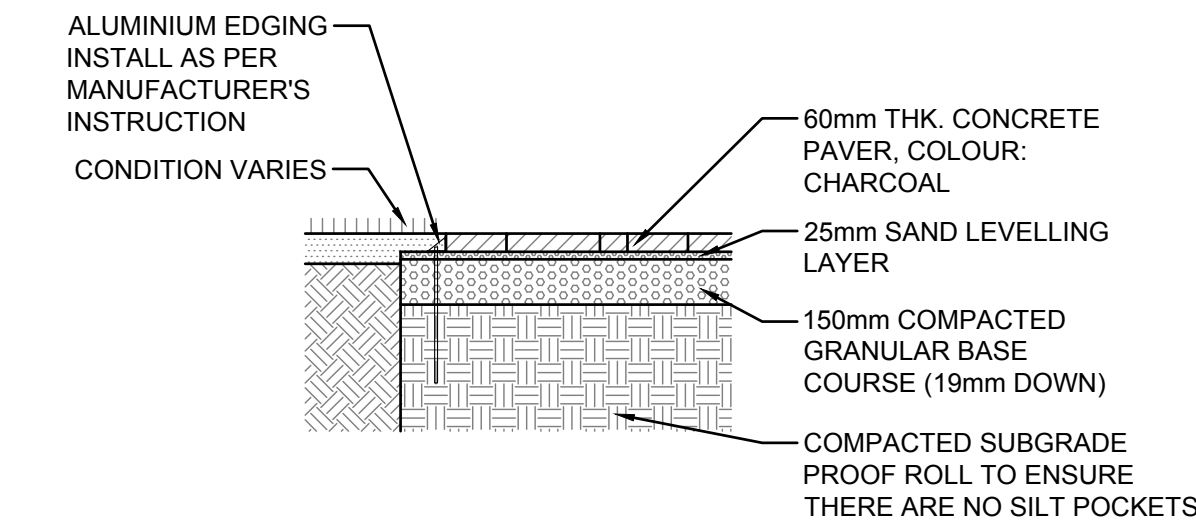
Project title  
**SECTION 25, NE CORNER, TOWNSHIP ONE,**  
**RANGE 30, WEST OF THE 4TH**  
**WATERTON, ALBERTA**  
**WLNP ALPINE STABLES RECONSTRUCTION**  
**SADDLING BARN, BOARDING BARN,**  
**WEATHER SHELTER AND LANDSCAPE**

Designed by  
**CD**  
Drawn by  
**WF**  
Approved by  
**DM**  
PWGSC Project Manager  
**MICHAEL LYZANIWSKI**

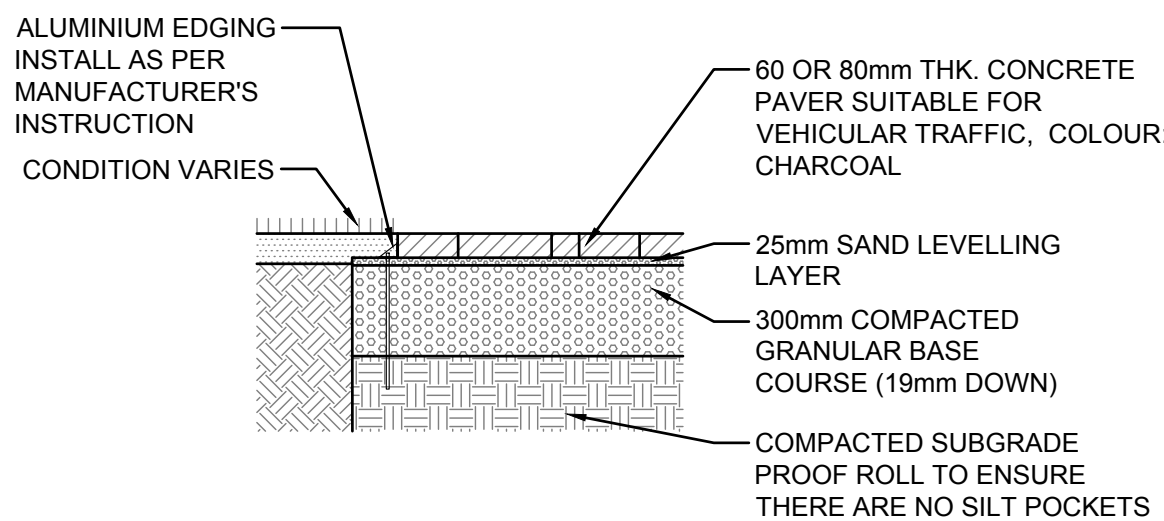
Drawing title  
**PLANTING PLAN**

Project no.	Drawing no.	Revision no.
<b>R.096286.001</b>	<b>L5</b> OF	<b>0</b>

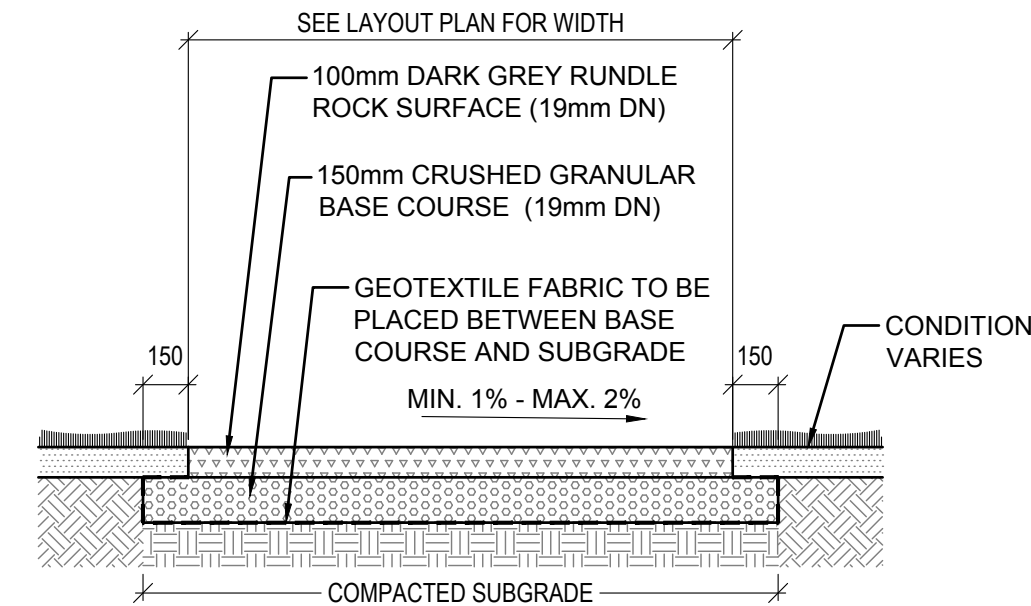




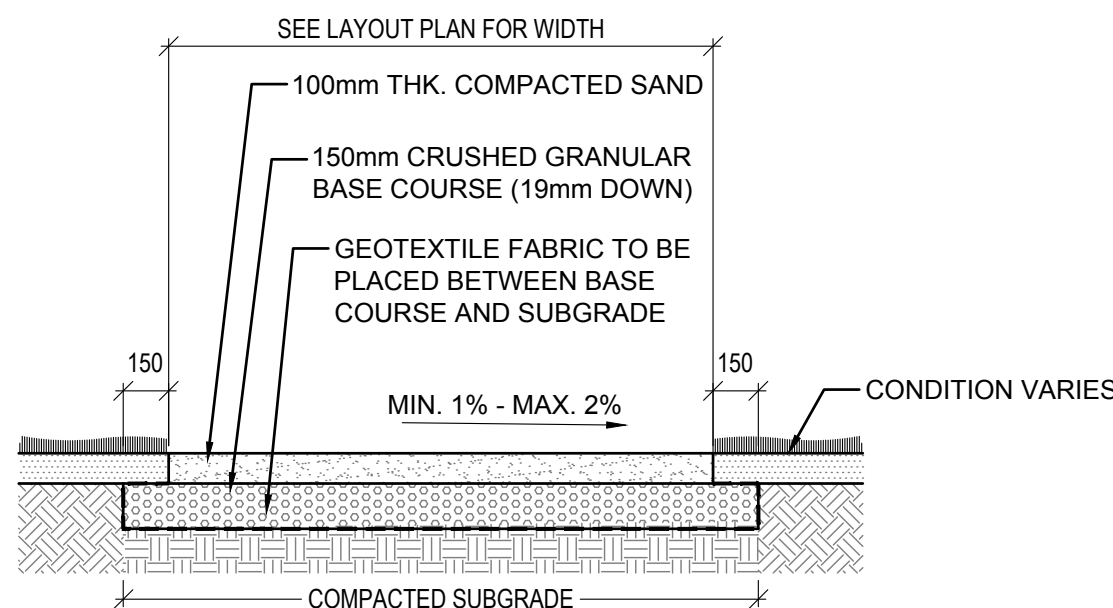
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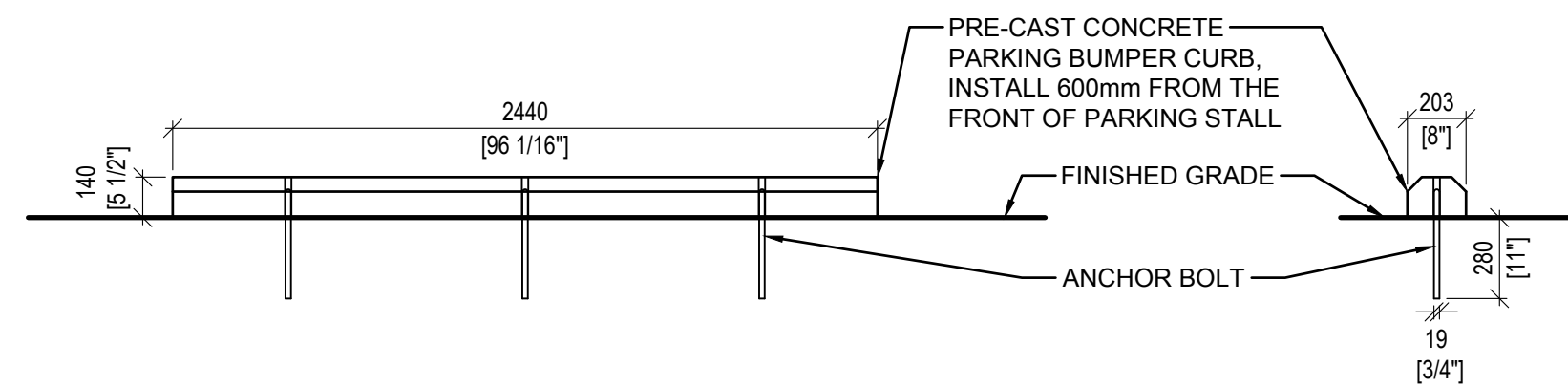
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L6 SCALE - 1:25



3 DARK RUNDLE ROCK PAVING DETAILS  
L6 SCALE - 1:25

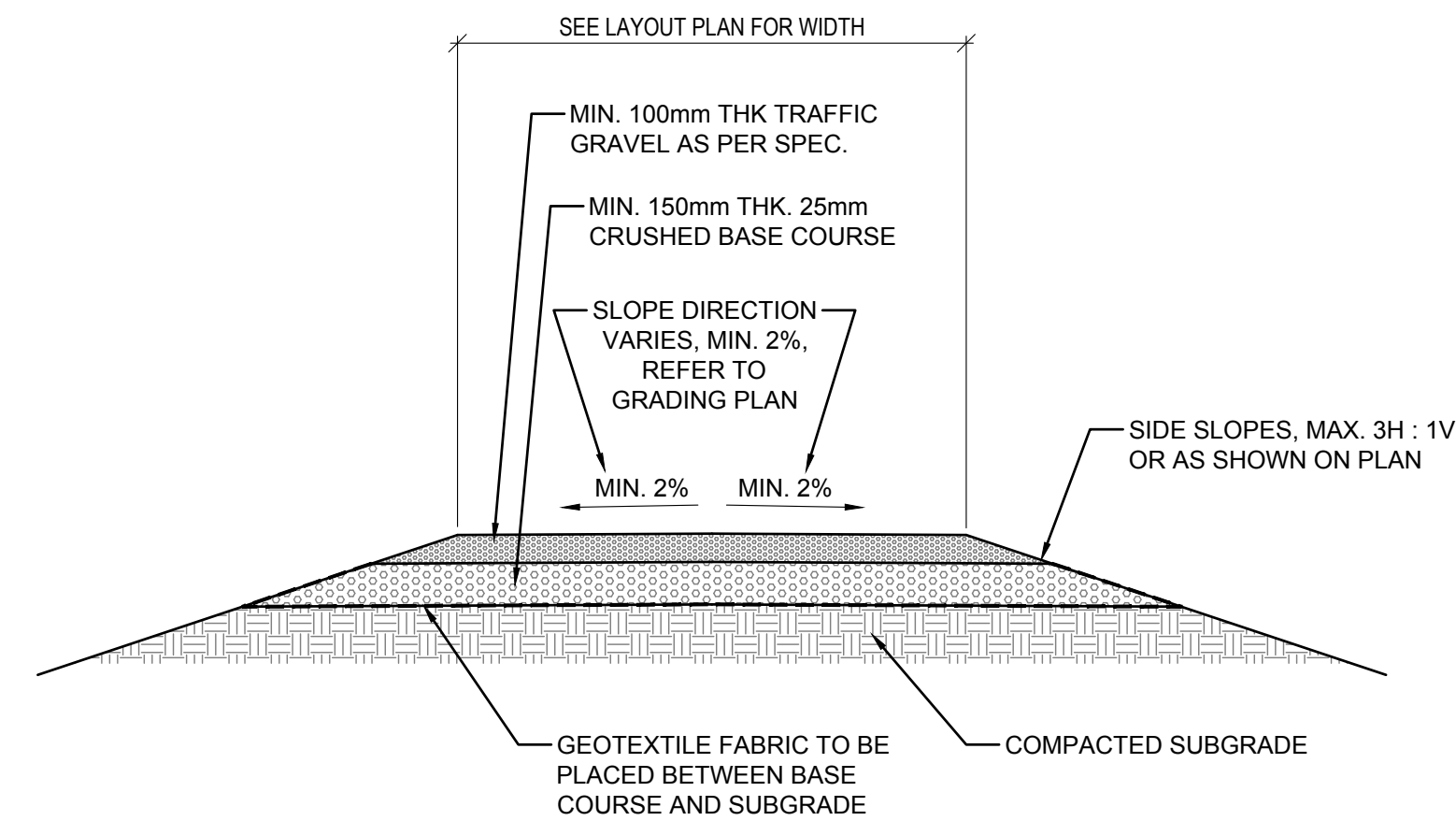


4 COMPACTED SAND SURFACING DETAILS  
L6 SCALE - 1:25

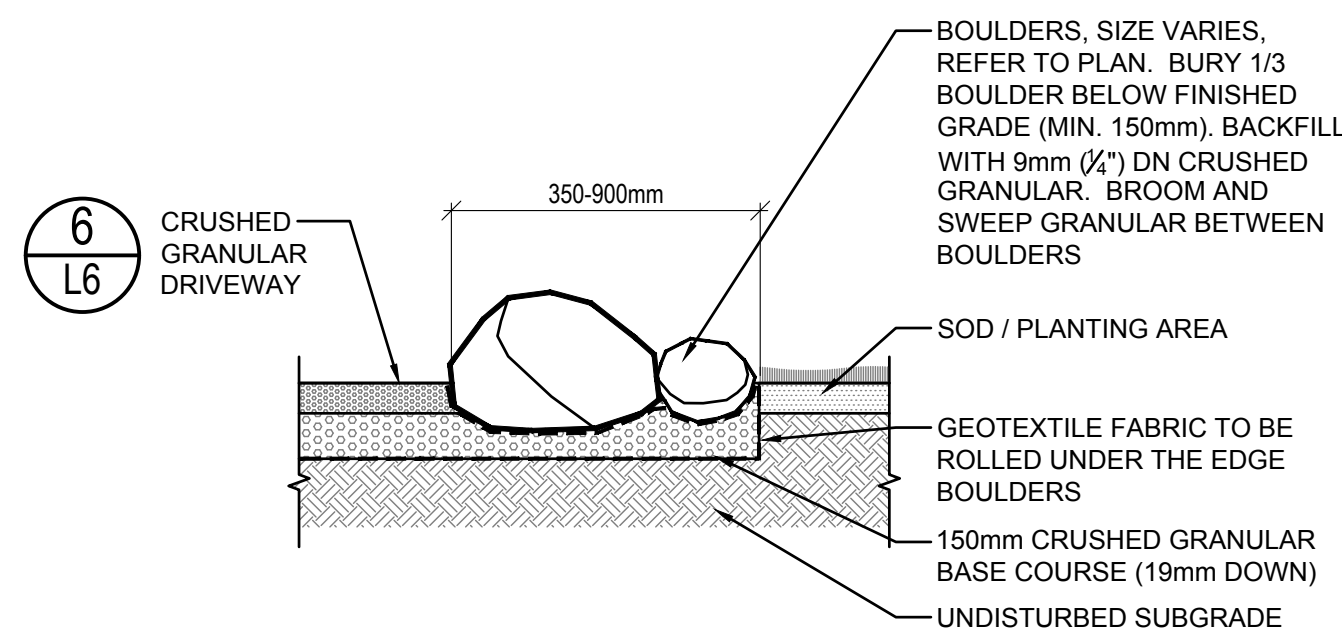


A LONGITUDINAL SECTION  
SCALE - 1 : 25

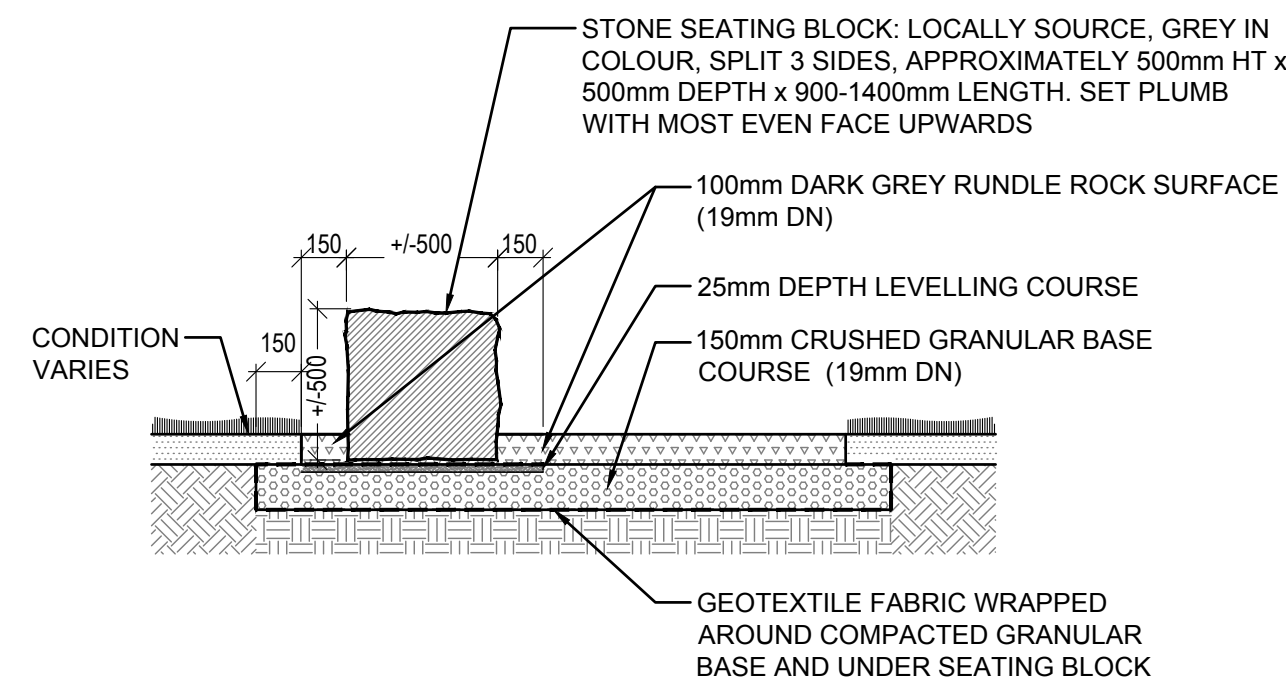
B SIDE SECTION  
SCALE - 1 : 25



6 CRUSHED GRANULAR PAVING DETAILS  
L6 SCALE - 1:25



7 BOULDER DETAILS  
L6 SCALE - AS SHOWN



8 SEATING BLOCK DETAILS  
L6 SCALE - AS SHOWN

Revision	Description	Date
2	ISSUED FOR CONSTRUCTION	2018 09 13
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  
SADDLING BARN, BOARDING BARN,  
WEATHER SHELTER AND LANDSCAPE

Designed by  
CD

Drawn by  
WF

Approved by  
DM

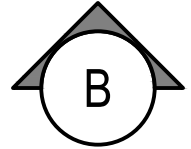
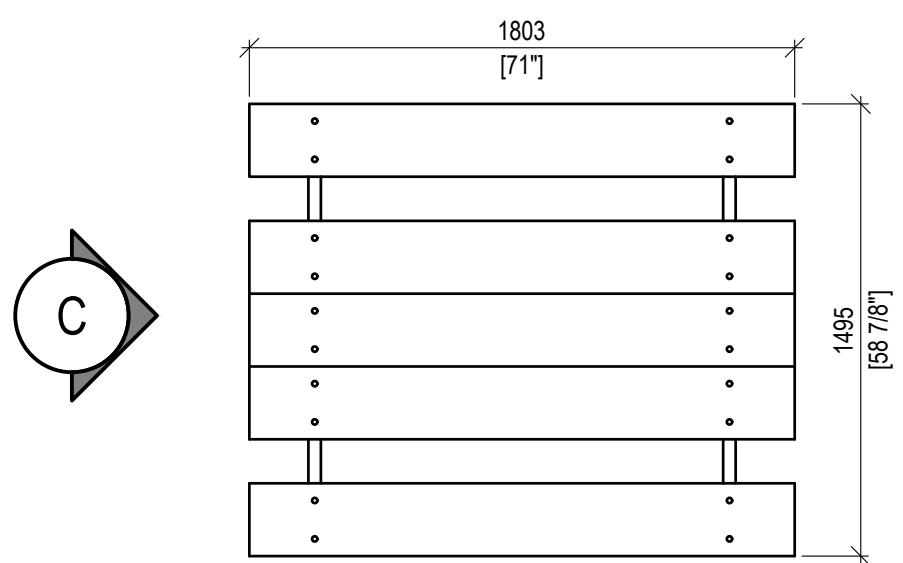
PWGSC Project Manager  
MICHAEL LYZANIWSKI

Drawing title

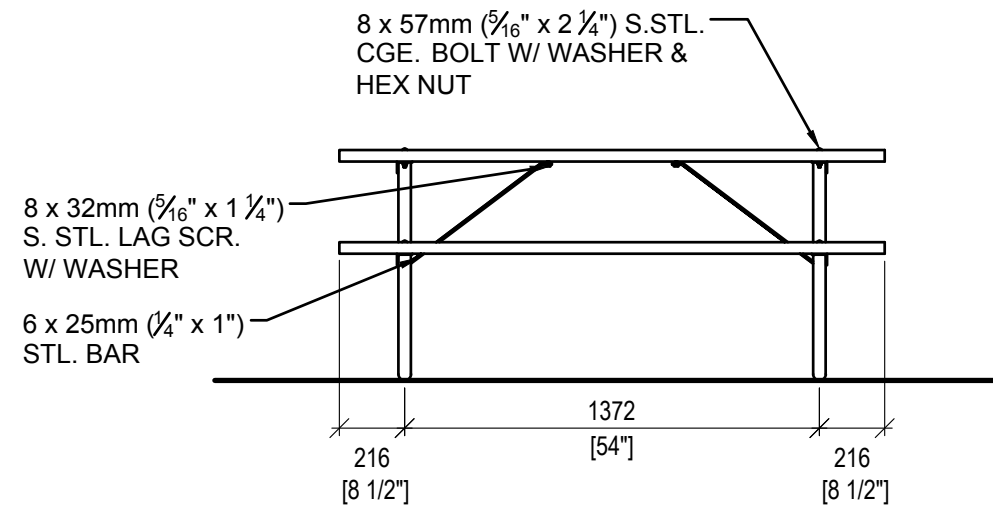
LANDSCAPE DETAILS -  
PAVING

Project no.	Drawing no.	Revision no.
R.096286.001	L6 OF	0

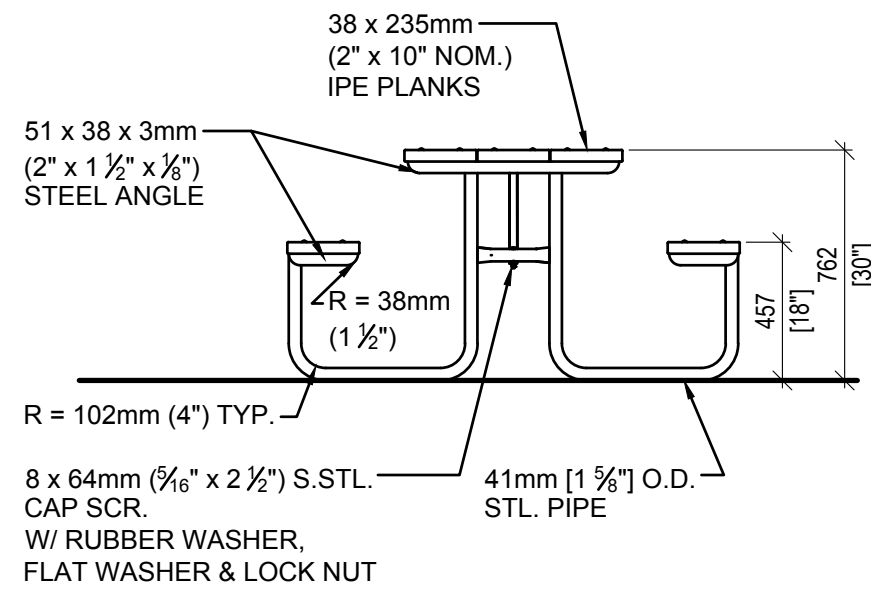




**A** PLAN  
SCALE - 1 : 25

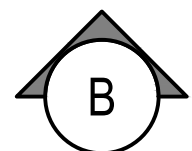
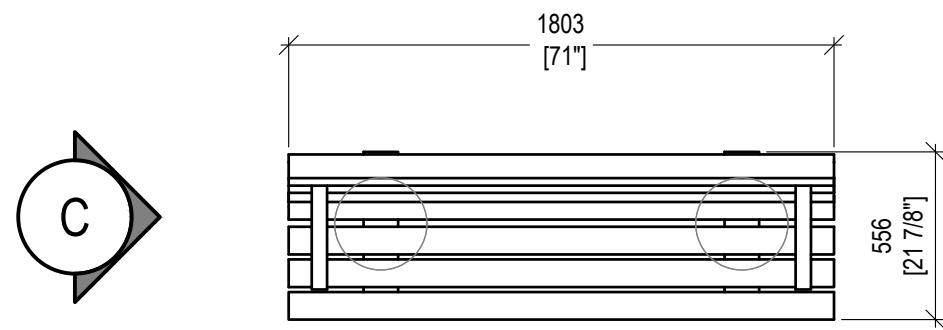


**B** FRONT ELEVATION  
SCALE - 1 : 25

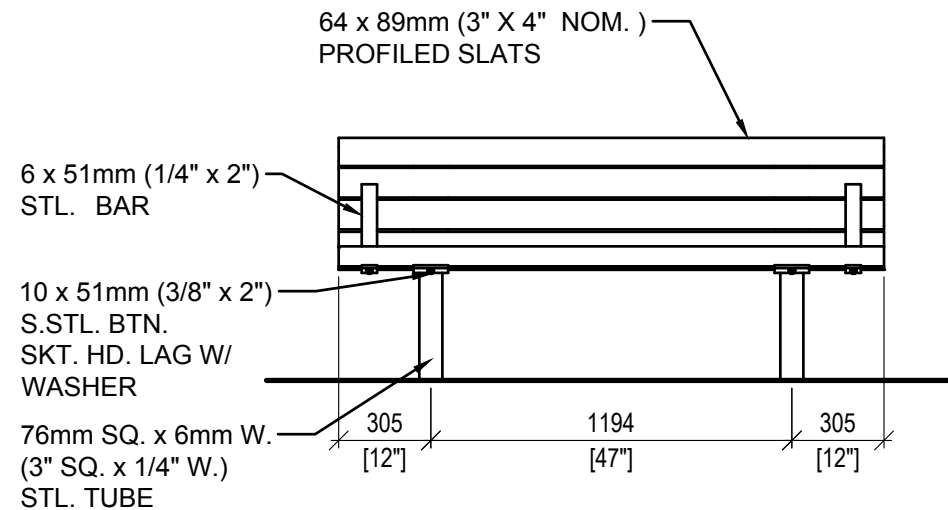


**C** SIDE ELEVATION  
SCALE - 1 : 25

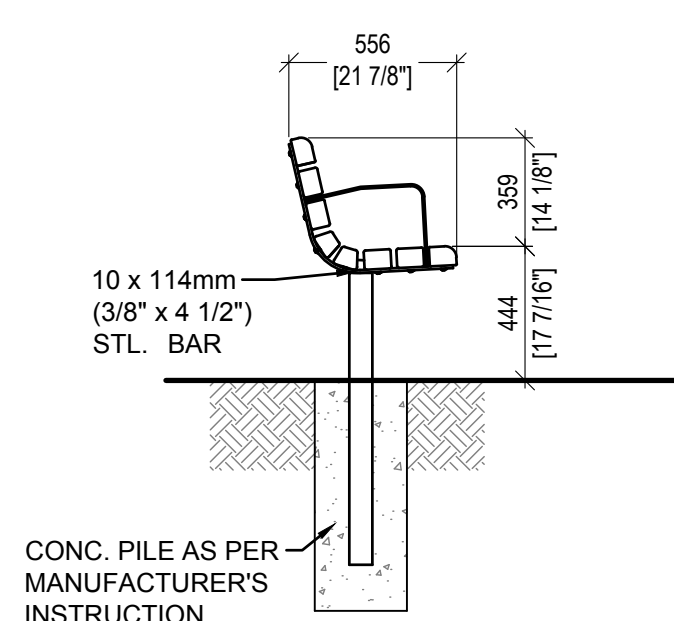
**1** TYPICAL PICNIC TABLE DETAILS  
SCALE - AS SHOWN



**A** PLAN  
SCALE - 1 : 25

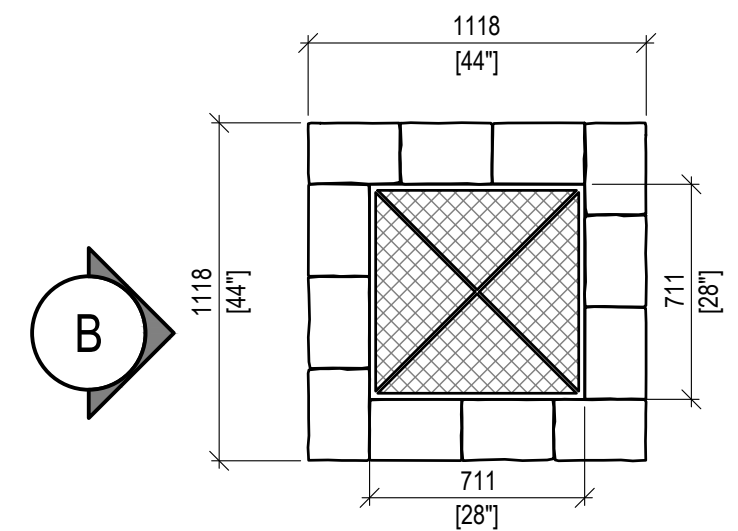


**B** FRONT ELEVATION  
SCALE - 1 : 25

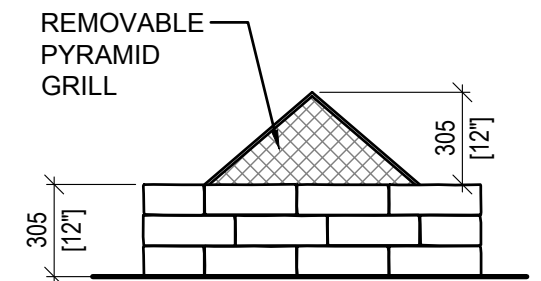


**C** SIDE SECTION  
SCALE - 1 : 25

**2** BACKED BENCH DETAILS  
SCALE - AS SHOWN



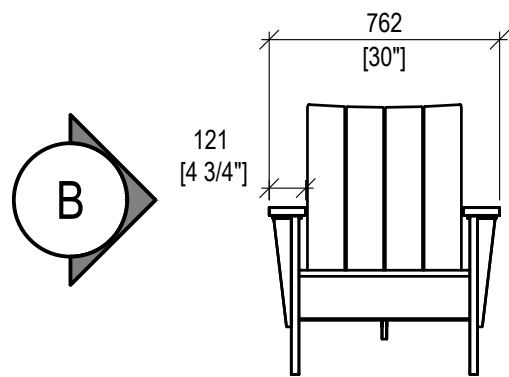
**A** PLAN  
SCALE - 1 : 25



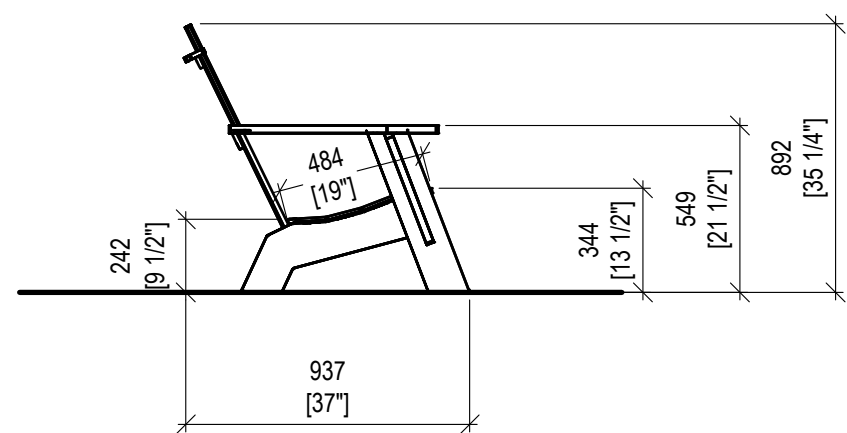
**B** ELEVATION  
SCALE - 1 : 25

GENERAL REQUIREMENT FOR FIRE PIT:  
• STONE SIZE: 300 x 200 x 100mm (12" x 8" x 4")  
• STONE COLOUR: CHARCOAL

**3** FIRE PIT DETAILS  
SCALE - AS SHOWN



**A** FRONT ELEVATION  
SCALE - 1 : 25



**B** SIDE ELEVATION  
SCALE - 1 : 25

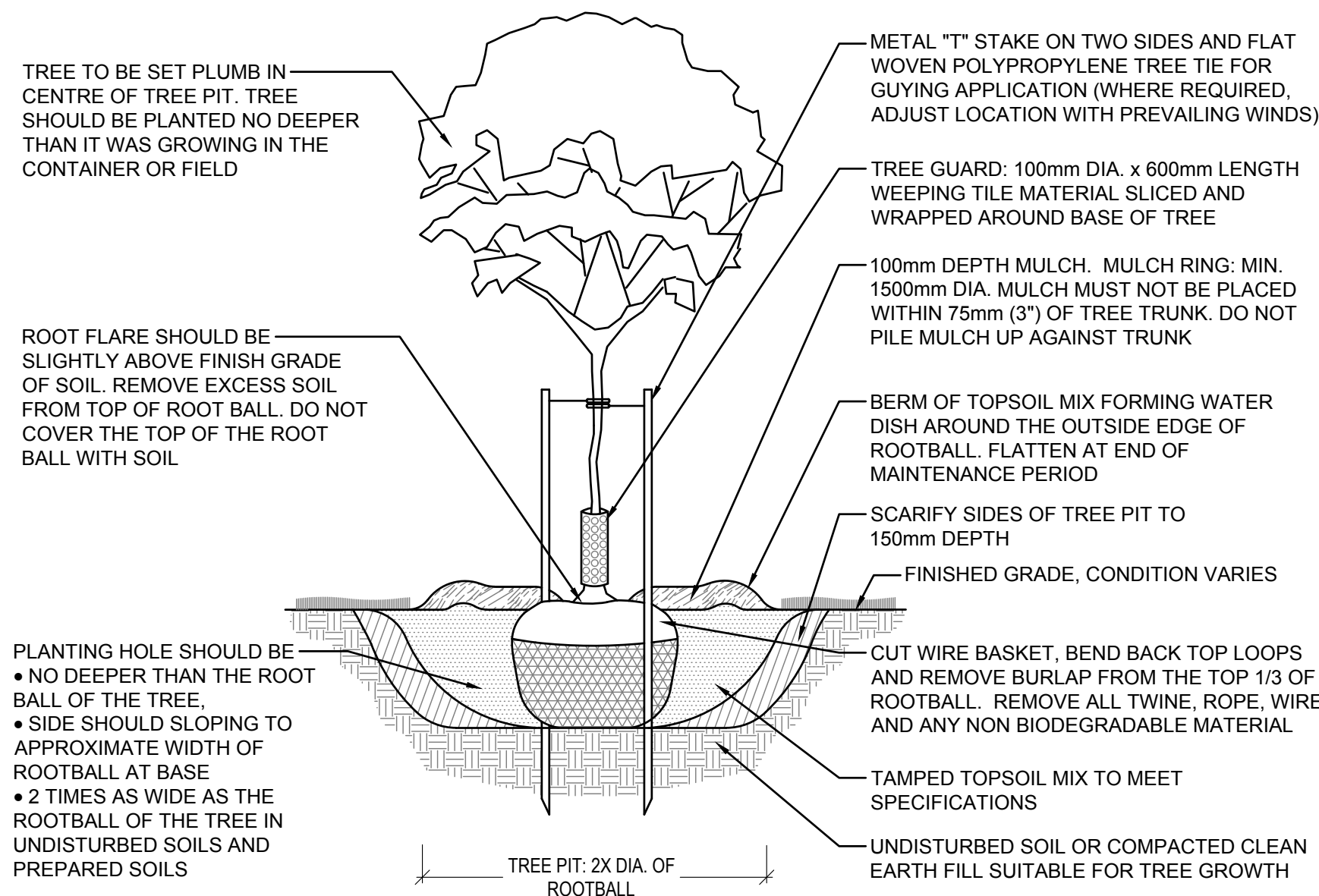
**4** ADIRONDACK CHAIR DETAILS  
SCALE - AS SHOWN

GENERAL REQUIREMENT FOR ADIRONDACK CHAIR:  
• HEAVY DUTY, INTENDED FOR OUTDOOR, COMMERCIAL USE  
• COLOUR: LEAF GREEN  
• 1" THK. DURABLE 100% HDPE RECYCLED PLASTIC  
• MIN. WEIGHT: 24.9KG (55 LBS)

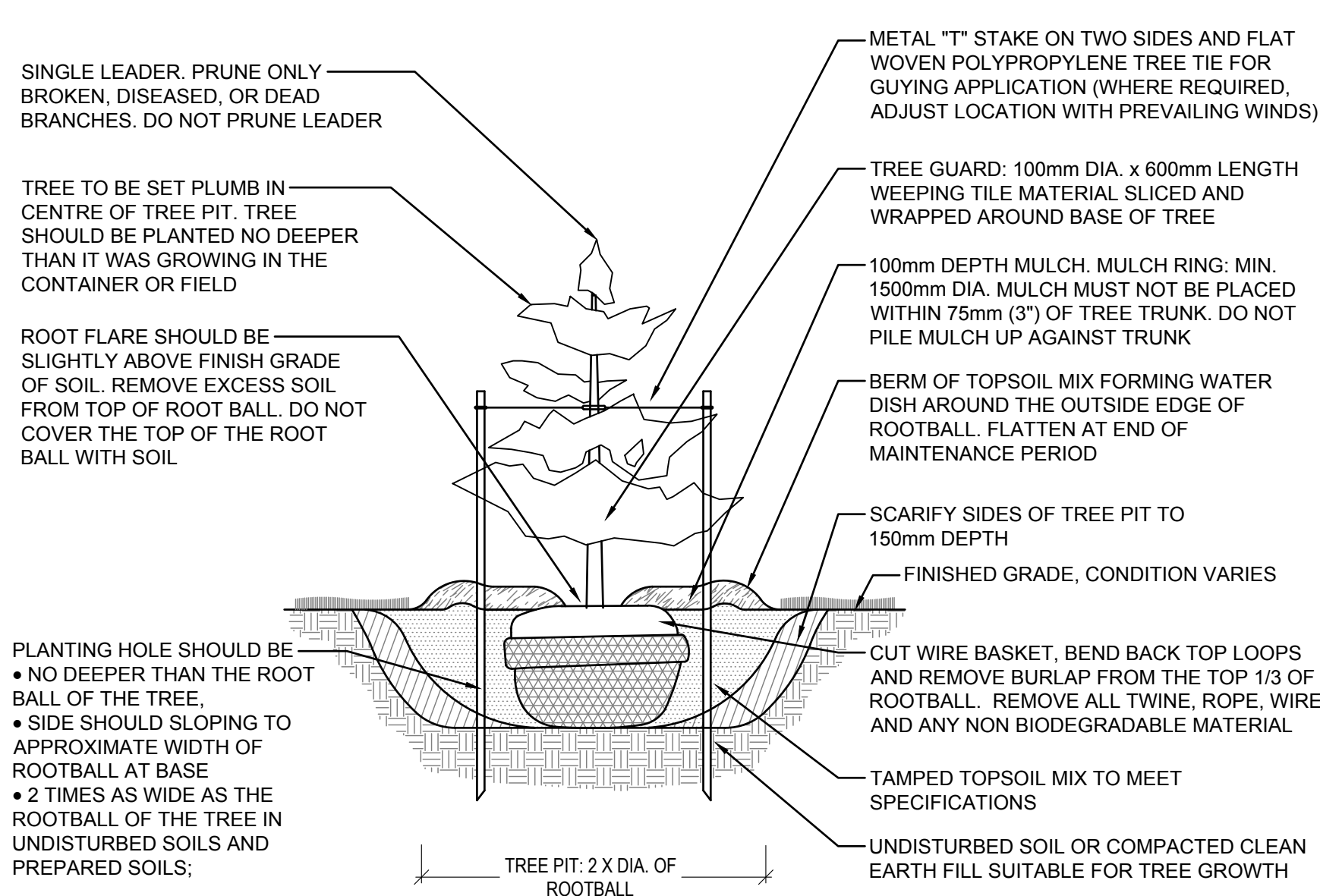
Revision	Description	Date
2	ISSUED FOR CONSTRUCTION	2018 09 13
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Client	<b>PWGSC / TPSGC</b>	
	<b>ATB Place North Tower 10025 Jasper Ave, 5th Floor Edmonton, Alberta T5J 1S6</b>	
Project title	<b>SECTION 25, NE CORNER, TOWNSHIP ONE, RANGE 30, WEST OF THE 4TH WATERTON, ALBERTA</b>	
	<b>WLNP ALPINE STABLES RECONSTRUCTION SADDLING BARN, BOARDING BARN, WEATHER SHELTER AND LANDSCAPE</b>	
Designed by	<b>CD</b>	
Drawn by	<b>WF</b>	
Approved by	<b>DM</b>	
PWGSC Project Manager	<b>MICHAEL LYZANIWSKI</b>	
Drawing title	<b>LANDSCAPE DETAILS - SITE FURNITURE</b>	
Project no.	Drawing no.	Revision no.
<b>R.096286.001</b>	<b>L7</b> OF	<b>0</b>

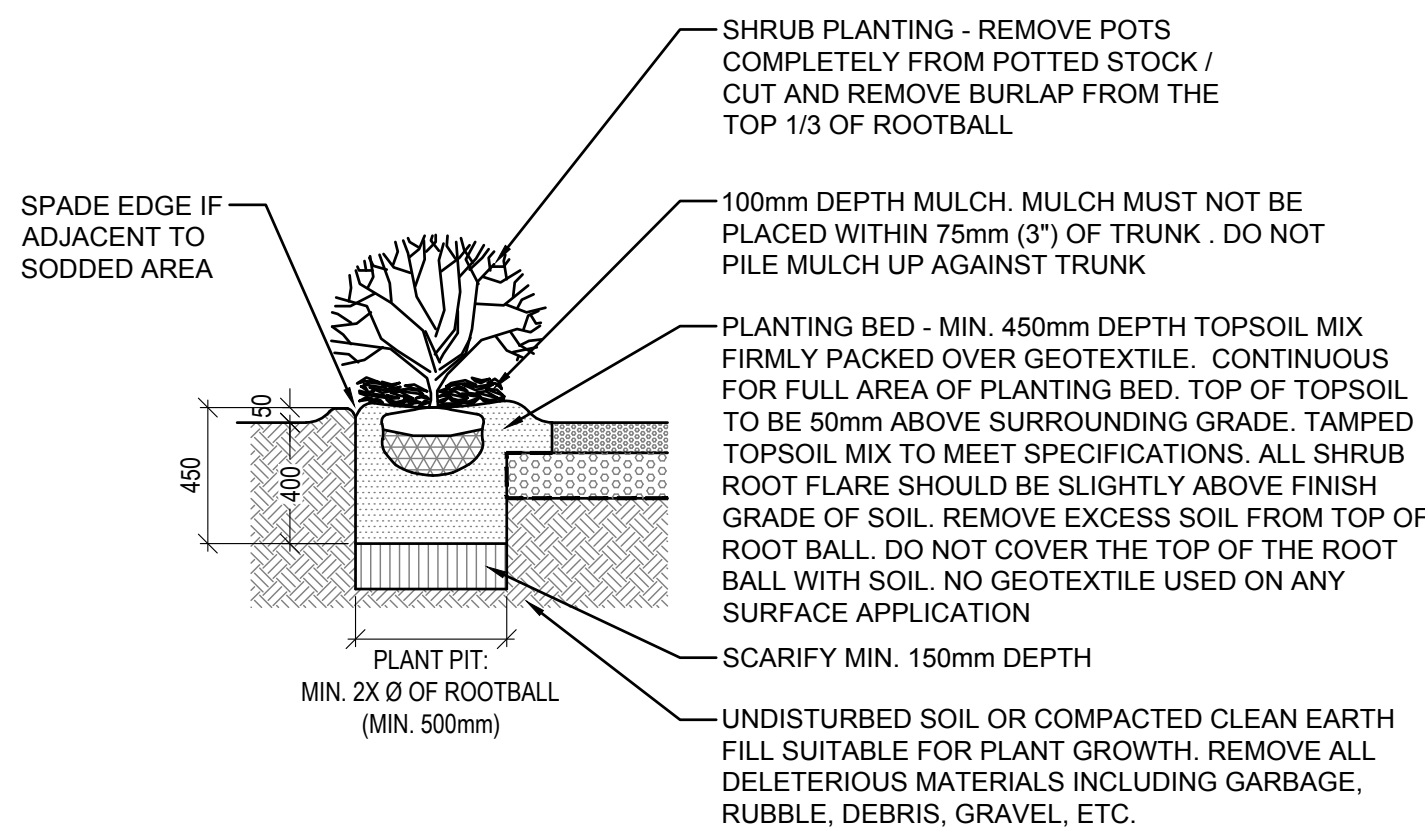




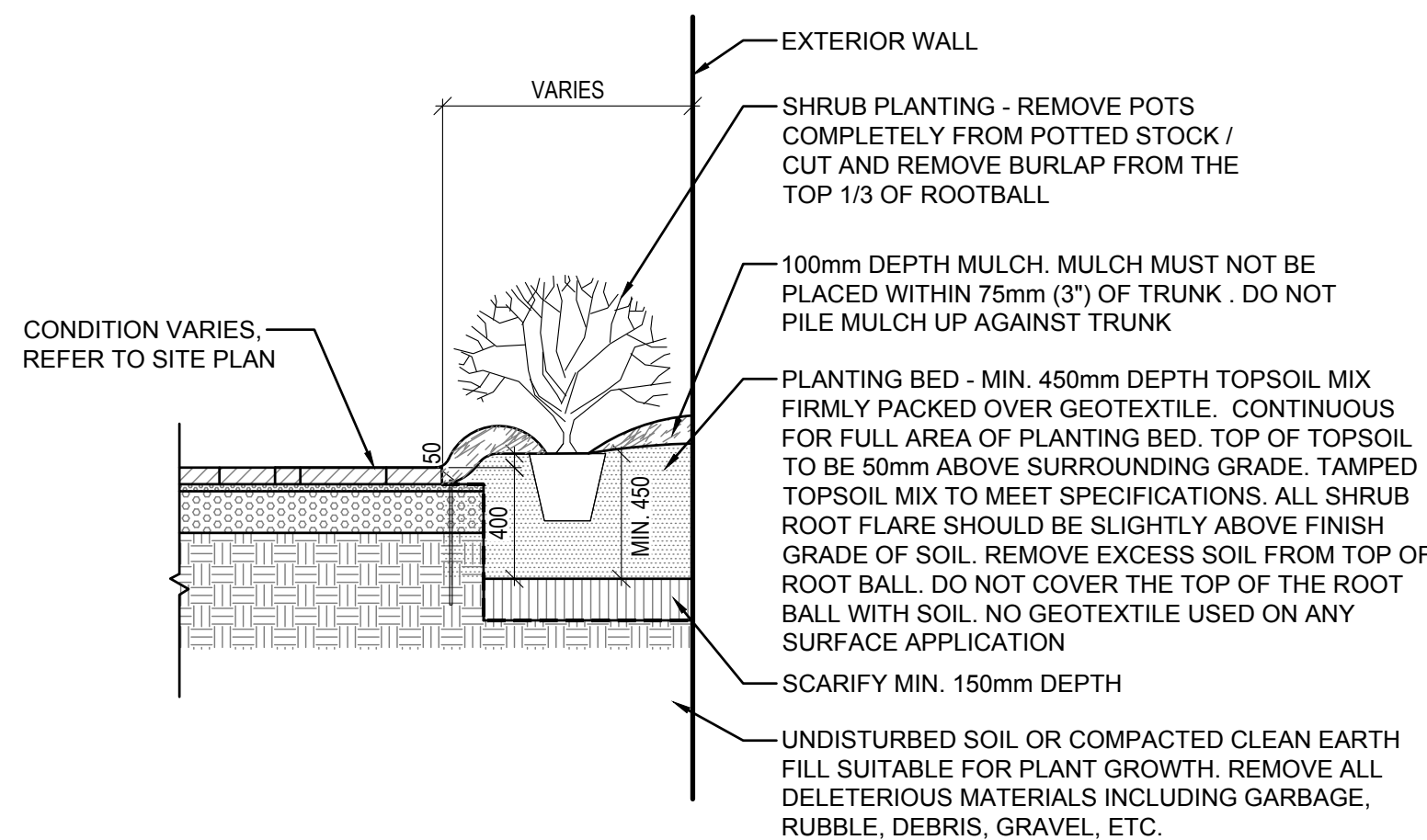
1  
L8  
TYPICAL DECIDUOUS TREE PLANTING DETAILS  
SCALE - 1:25



2  
L8  
TYPICAL CONIFEROUS TREE PLANTING DETAILS  
SCALE - 1:25



3  
L8  
TYPICAL SHRUB PLANTING DETAILS  
SCALE - 1:25



4  
L8  
SHRUB PLANTING ADJACENT TO BUILDING DETAILS  
SCALE - 1:25

- NOTES:
1. LAYOUT OF PLANT MATERIAL TO BE APPROVED BY L.A. PRIOR TO INSTALLATION.
  2. PIT TO BE DUG WITH BACK HOE NOT TREE SPADE.
  3. CONTRACTOR TO ENSURE T-BARS DO NOT PENETRATE ROOT BALL.
  4. SECURE T-BARS TO TREE @ APPROX. 2/3 TOTAL TREE HEIGHT ABOVE FIN. GRADE.
  5. TREE SHALL BE PRUNED IMMEDIATELY AFTER PLANTING TO REMOVE DEAD, BROKEN, DISEASED, DYING OR RUBBING BRANCHES. CO-DOMINANT STEMS LESS THAN 100mm (4") DIA. AT THE FORKS SHALL BE PRUNED OFF AND ONE MAIN STEM SHOULD REMAIN. TREE TOPPING OR HEADING IS NOT PERMITTED AT ANY TIME.
  6. STAKES & TIES TO BE REMOVED BY CONTRACTOR AT END OF MAINTENANCE PERIOD AND UPON ACCEPTANCE BY L.A.
  7. MULCH TO BE RECYCLED WOOD PALETTE MULCH, NATURAL COLOUR. THE RECOMMENDED MULCH SHALL CONSIST OF CHIPS NOT LESS THAN 15mm NOT LARGER THAN 75mm IN SIZE AND NOT MORE THAN 20mm THICK.
  8. ALSO REFER TO WRITTEN SPECIFICATION.

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

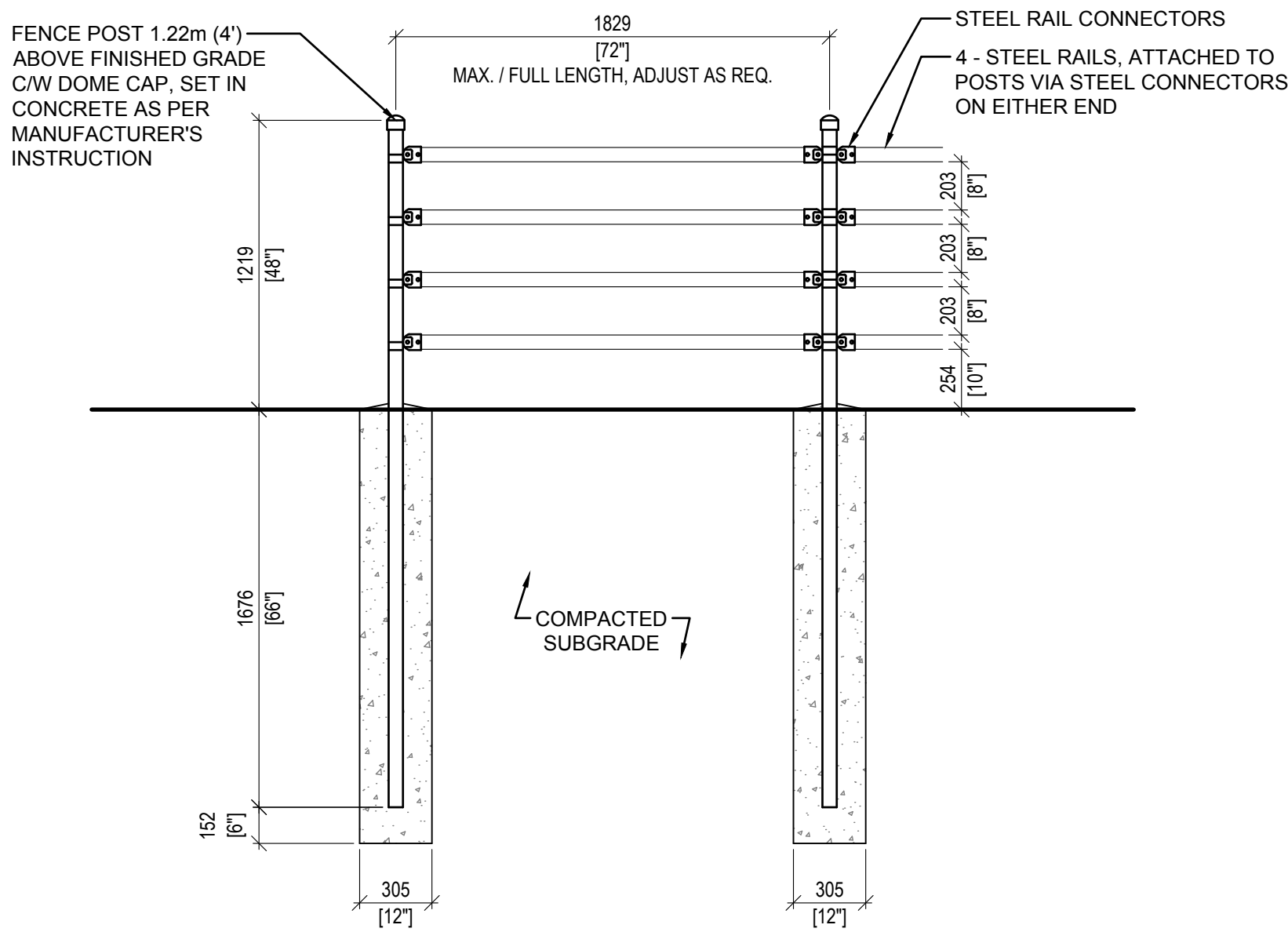
Project title  
**SECTION 25, NE CORNER, TOWNSHIP ONE, RANGE 30, WEST OF THE 4TH WATERTON, ALBERTA**  
  
**WLNP ALPINE STABLES RECONSTRUCTION SADDLING BARN, BOARDING BARN, WEATHER SHELTER AND LANDSCAPE**

Designed by  
**CD**  
Drawn by  
**WF**  
Approved by  
**DM**  
PWGSC Project Manager  
**MICHAEL LYZANIWSKI**

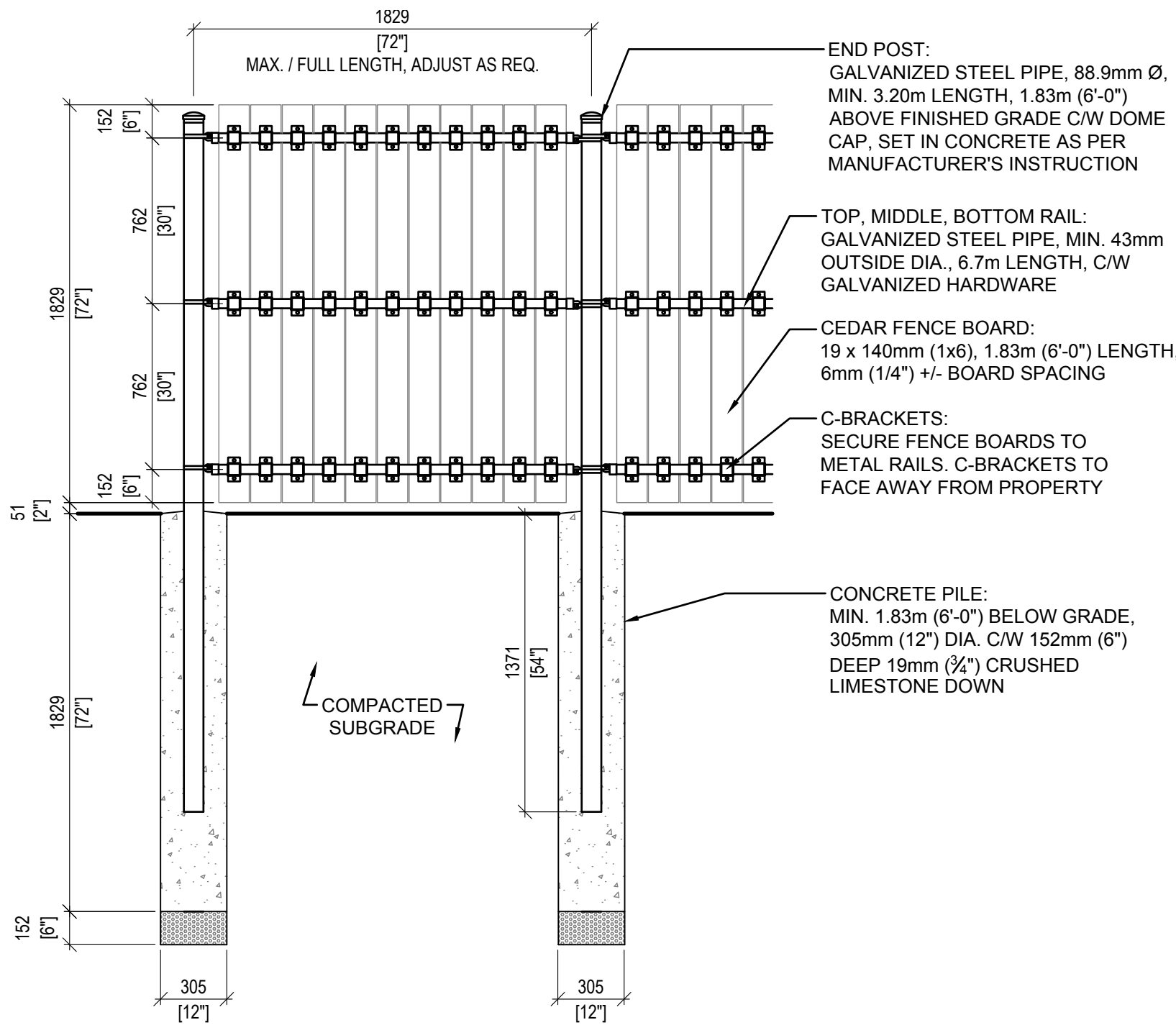
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**LANDSCAPE DETAILS - PLANTING**

Project no.	Drawing no.	Revision no.
<b>R.096286.001</b>	<b>L8</b> OF	<b>0</b>

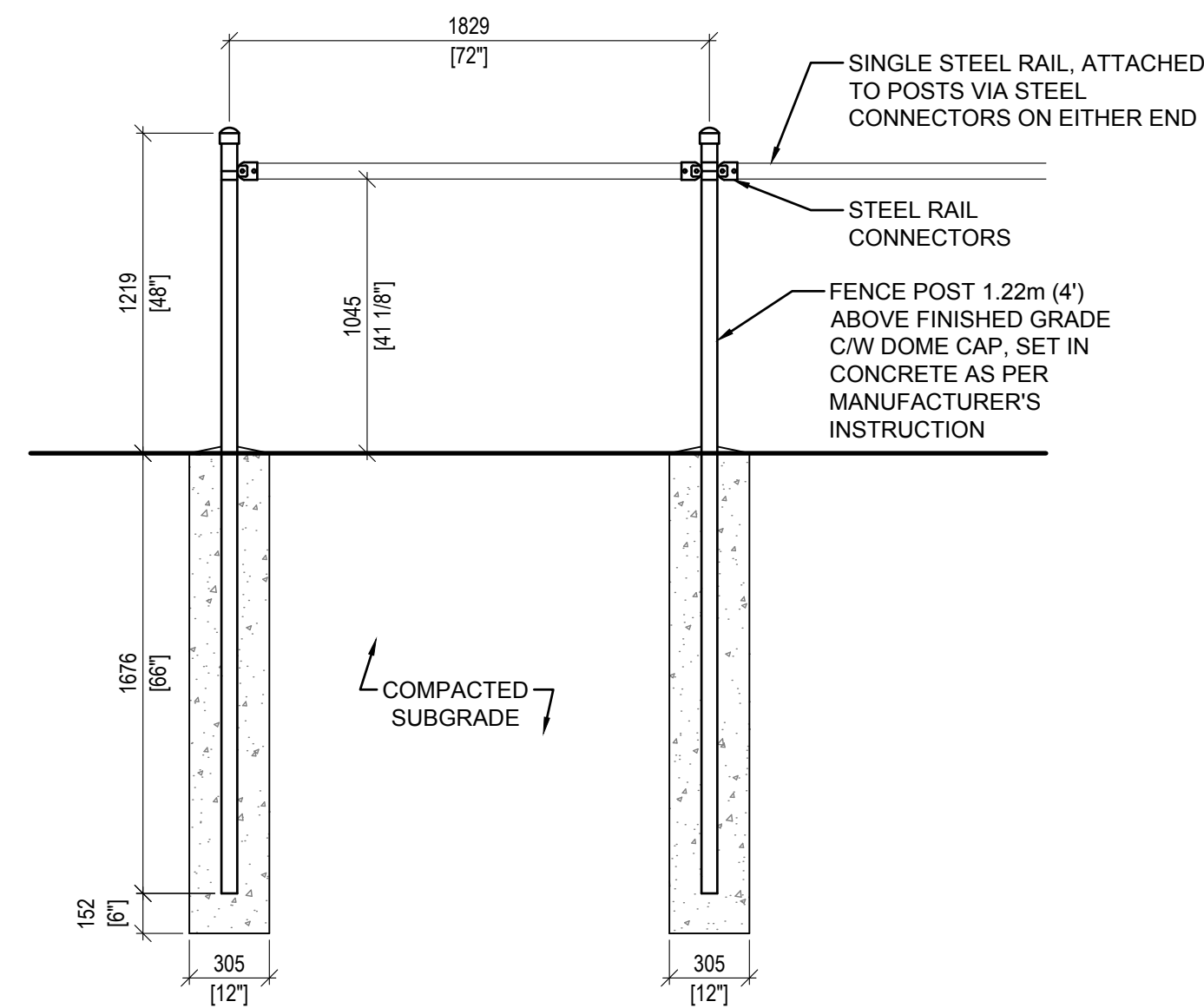




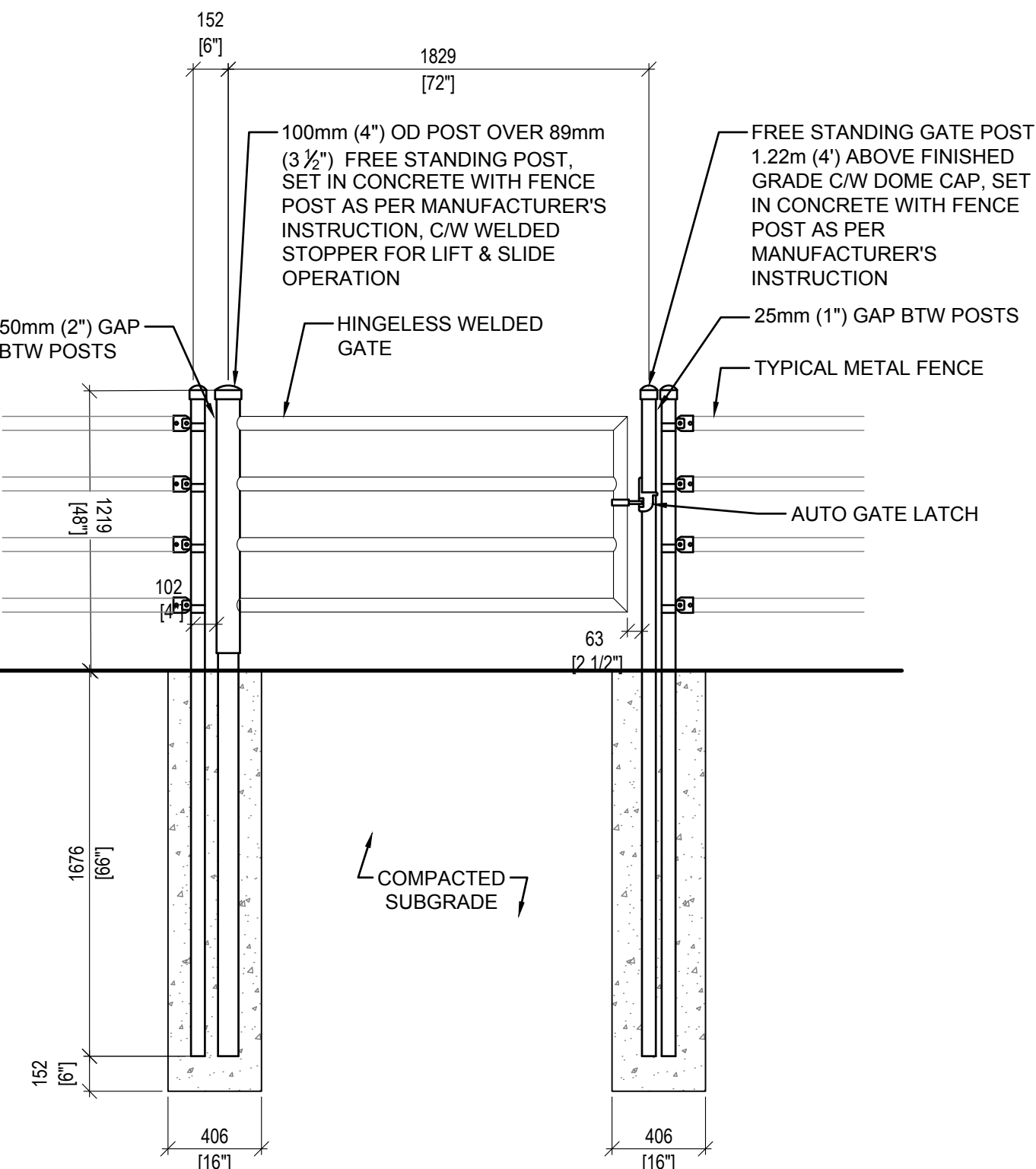
**1**  
L9  
**TYPICAL METAL PERIMETER FENCE DETAILS**  
SCALE - 1:25



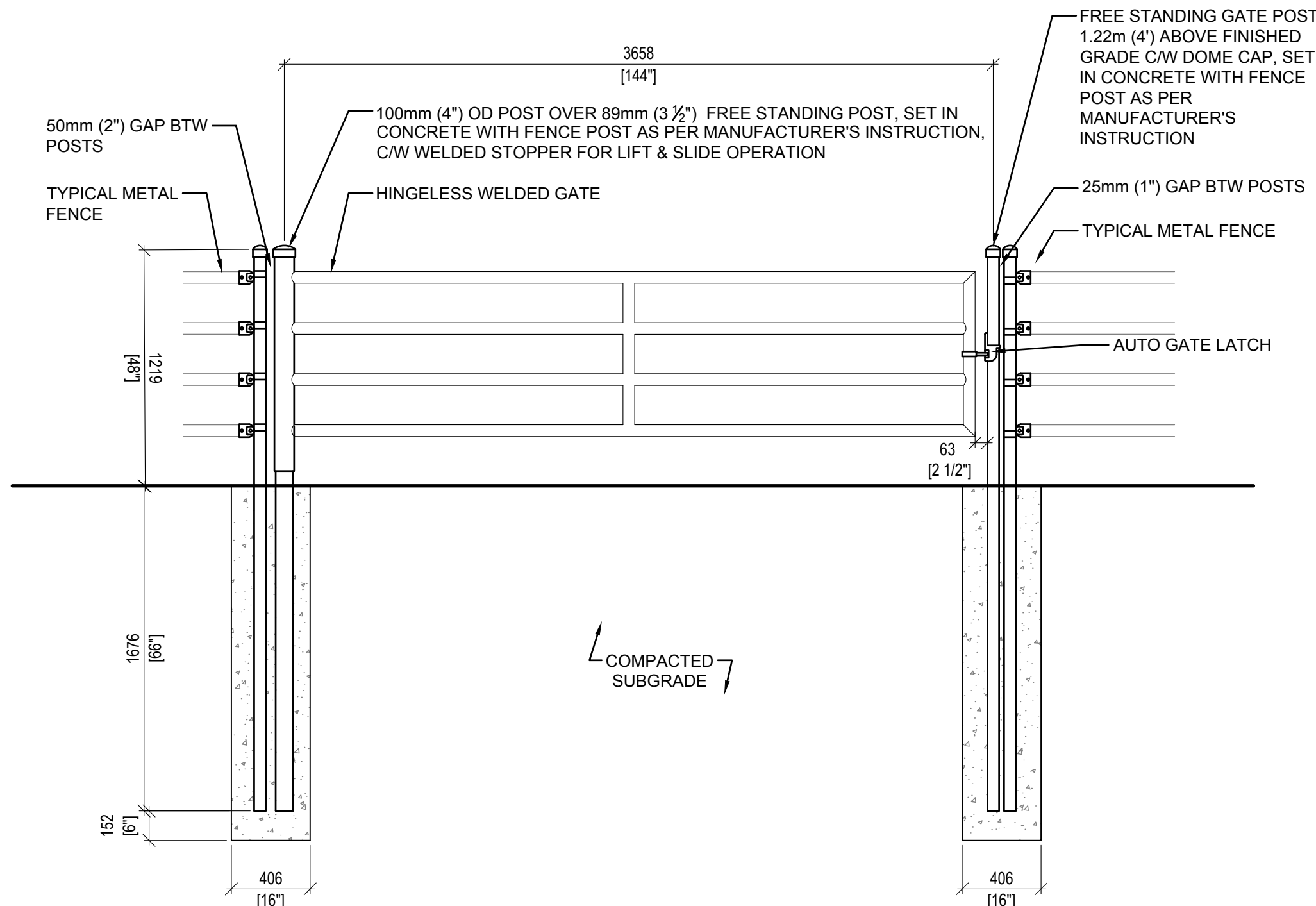
**2**  
L9  
**METAL PERIMETER FENCE WITH WIND SCREEN DETAILS**  
SCALE - 1:25



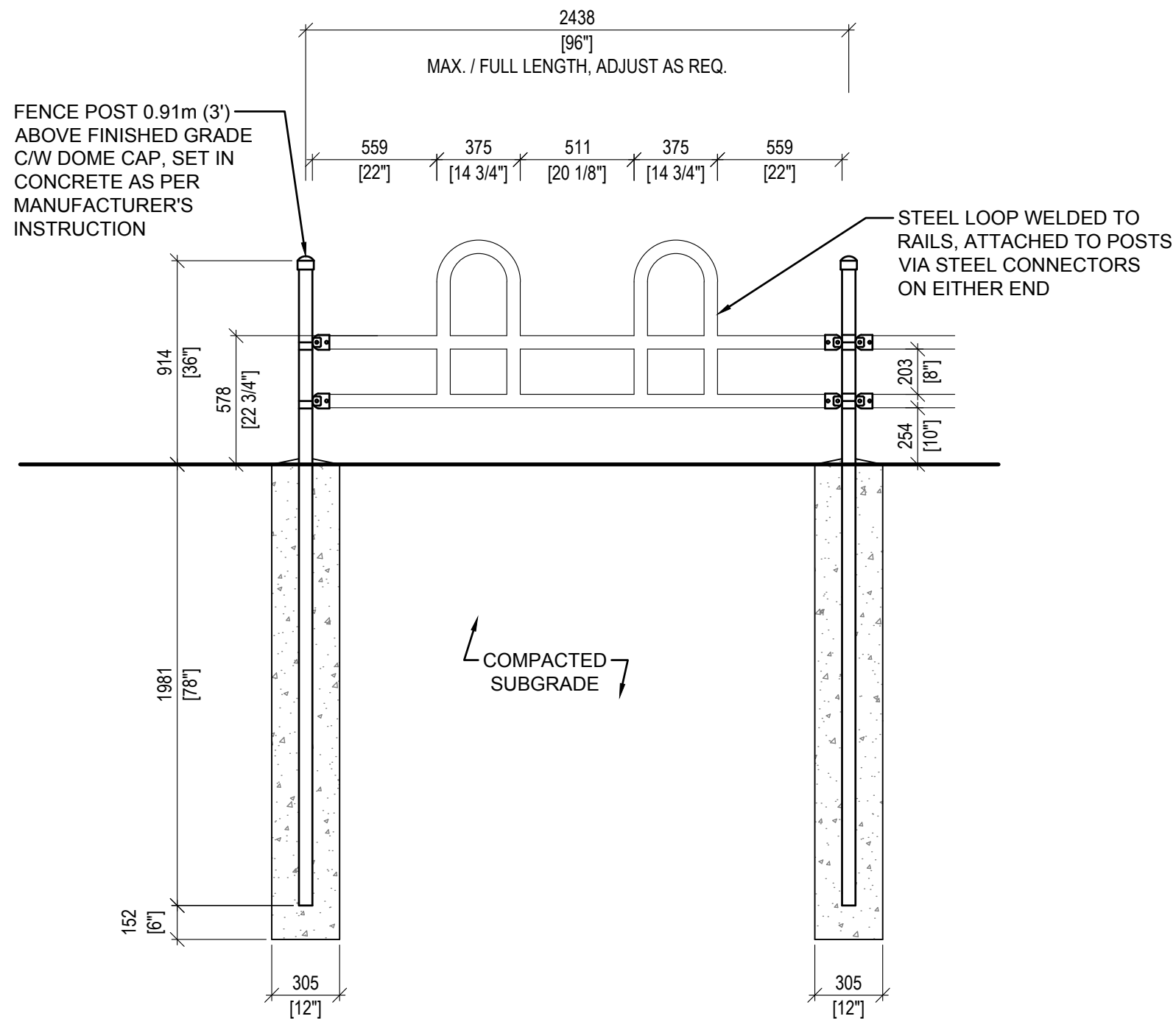
**3**  
L9  
**METAL HITCHING RAIL DETAILS**  
SCALE - 1:25



**4**  
L9  
**METAL HORSE GATE DETAILS**  
SCALE - 1:25



**5**  
L9  
**METAL TRACTOR GATE DETAILS**  
SCALE - 1:25



**6**  
L9  
**HORSE FEEDER RAILING DETAILS**  
SCALE - 1:25

Public Works and Government Services Canada

Travaux publics et Services gouvernementaux Canada

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

**SCATLIFF + MILLER + MURRAY**  
visionary urban design + landscapes

**GENERAL NOTES:**

- CONTRACTOR TO SUBMIT SHOP DRAWINGS WITH ENGINEER STAMPS FOR ALL STRUCTURES AND FABRICATION FOR REVIEW AND APPROVAL BY DEPARTMENTAL REPRESENTATIVE PRIOR TO CONSTRUCTION**
- ALSO REFER TO WRITTEN SPECIFICATIONS**

**METAL FENCE, RAILING AND GATE NOTES**

- ALL POSTS & RAILS TO BE 2.375" OD x 13 GA 1015 CARBON STEEL, FULLY GALVANIZED, POWDER COATED BLACK, UNLESS NOTED OTHERWISE**
- INSTALL AS PER MANUFACTURER'S INSTRUCTION**

The Alberta Association of Landscape Architects

*Deron T. Miller*

September 13, 2018

2	ISSUED FOR CONSTRUCTION	2018 09 13
1	99% CONSTRUCTION DOCUMENTS SUBMISSION	2018 08 21
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Revision	Description	Date
Client		
<b>PWGSC / TPSGC</b>		
<b>ATB Place North Tower</b> <b>10025 Jasper Ave, 5th Floor</b> <b>Edmonton, Alberta T5J 1S6</b>		
Project title		
<b>SECTION 25, NE CORNER, TOWNSHIP ONE,</b> <b>RANGE 30, WEST OF THE 4TH</b> <b>WATERTON, ALBERTA</b>		
<b>WLNP ALPINE STABLES RECONSTRUCTION</b> <b>SADDLING BARN, BOARDING BARN,</b> <b>WEATHER SHELTER AND LANDSCAPE</b>		
Designed by		
CD		
Drawn by		
WF		
Approved by		
DM		
PWGSC Project Manager		
MICHAEL LYZANIWSKI		
Drawing title		
<b>LANDSCAPE DETAILS -</b> <b>METAL FENCE AND GATES</b>		
Project no.	Drawing no.	Revision no.
<b>R.096286.001</b>	<b>L9</b>	<b>0</b>
	OF	

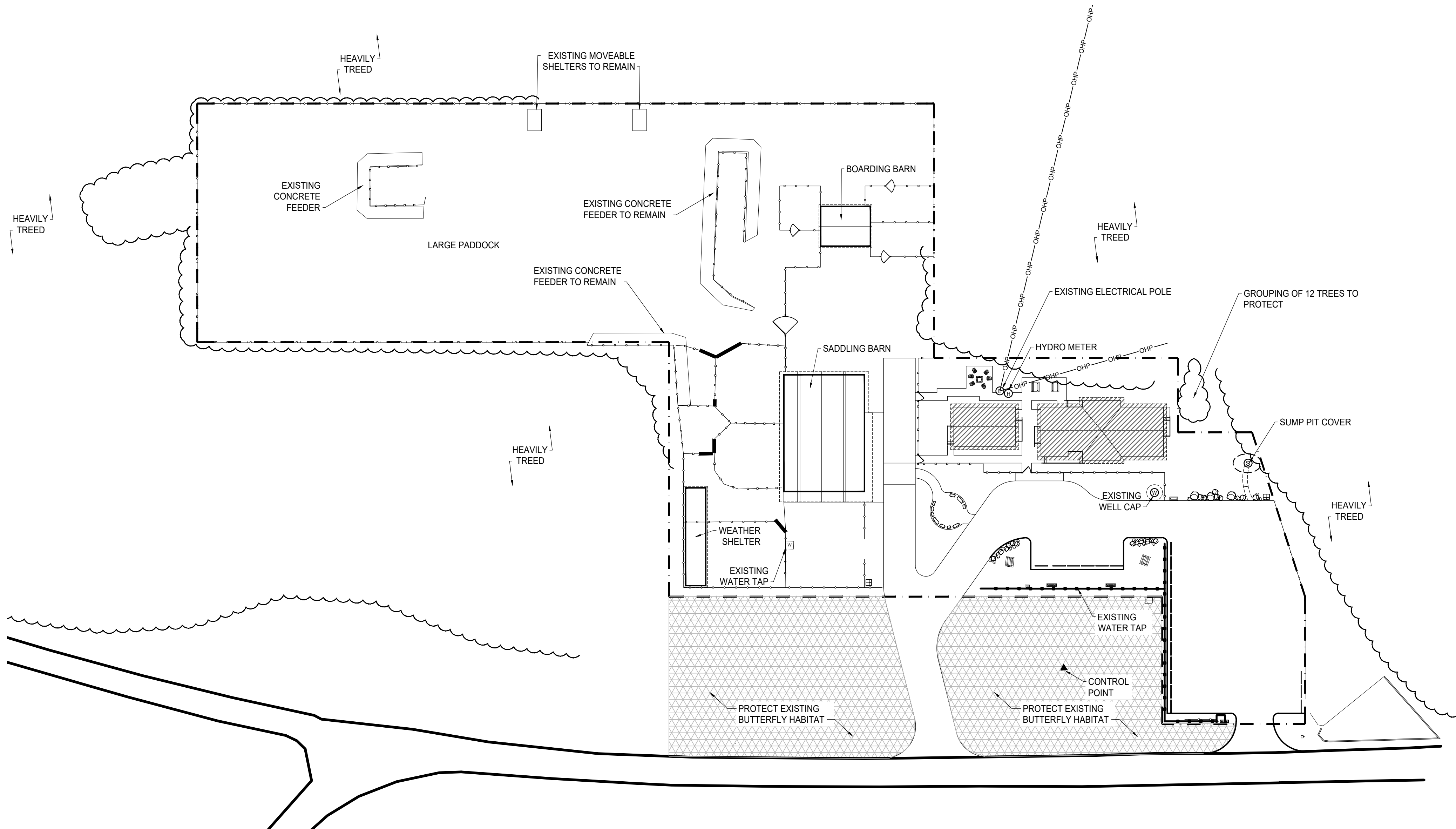




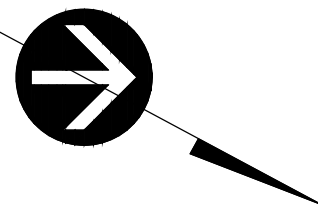








1 SITE PLAN  
A1.0 1:500



#### GENERAL NOTES:

- EXISTING SITE INFORMATION WAS TAKEN FROM DRAWINGS RECEIVED FROM PARKS CANADA AND IS ASSUMED CORRECT.
- THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF SITE MEASUREMENTS AND QUANTITIES OF MATERIALS REQUIRED.
- PERFORM WORK IN STRICT ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA AND ANY OTHER CODE OF APPLICATION OR ANY AUTHORITY HAVING JURISDICTION.
- DRAWINGS MUST NOT BE SCALED.
- 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.
- 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.
- 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.
- DIMENSIONS TO FINISHED FACE OF WALL UNLESS OTHERWISE INDICATED.
- SITE CONFIRM EXACT QUANTITIES OF ITEMS TO BE DEMOLISHED PRIOR TO TENDER CLOSE.
- ALL CONSTRUCTION MATERIAL, RECYCLING & WASTE TO BE TAKEN OFF SITE BY CONTRACTOR.
- ALL WORK MUST REMAIN WITHIN THE SITE BOUNDARY TO ENSURE THERE IS NO DISRUPTION OR DAMAGE TO THE BUTTERFLY HABITAT.




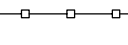


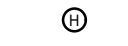







#### ABBREVIATIONS:

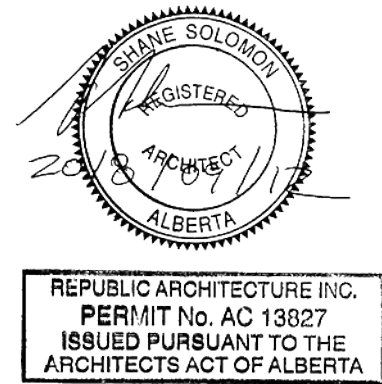
ACT	Acoustic Ceiling Tile	FR	Fridge	PTD	Painted
ADO	Automatic Door Opener	FRR	Fire Resistance Rating	QTY	Quantity
AFF	Above Finished Floor	GB	Gypsum Board	RB	Rubber Base
AWP	Acoustic Wall Panels	HPL	High Pressure Laminate	RCP	Reflected Ceiling Plan
BFL	Buttle	HR	Hour	REGS	Requirements
B/W	Between	HWT	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

#### 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.

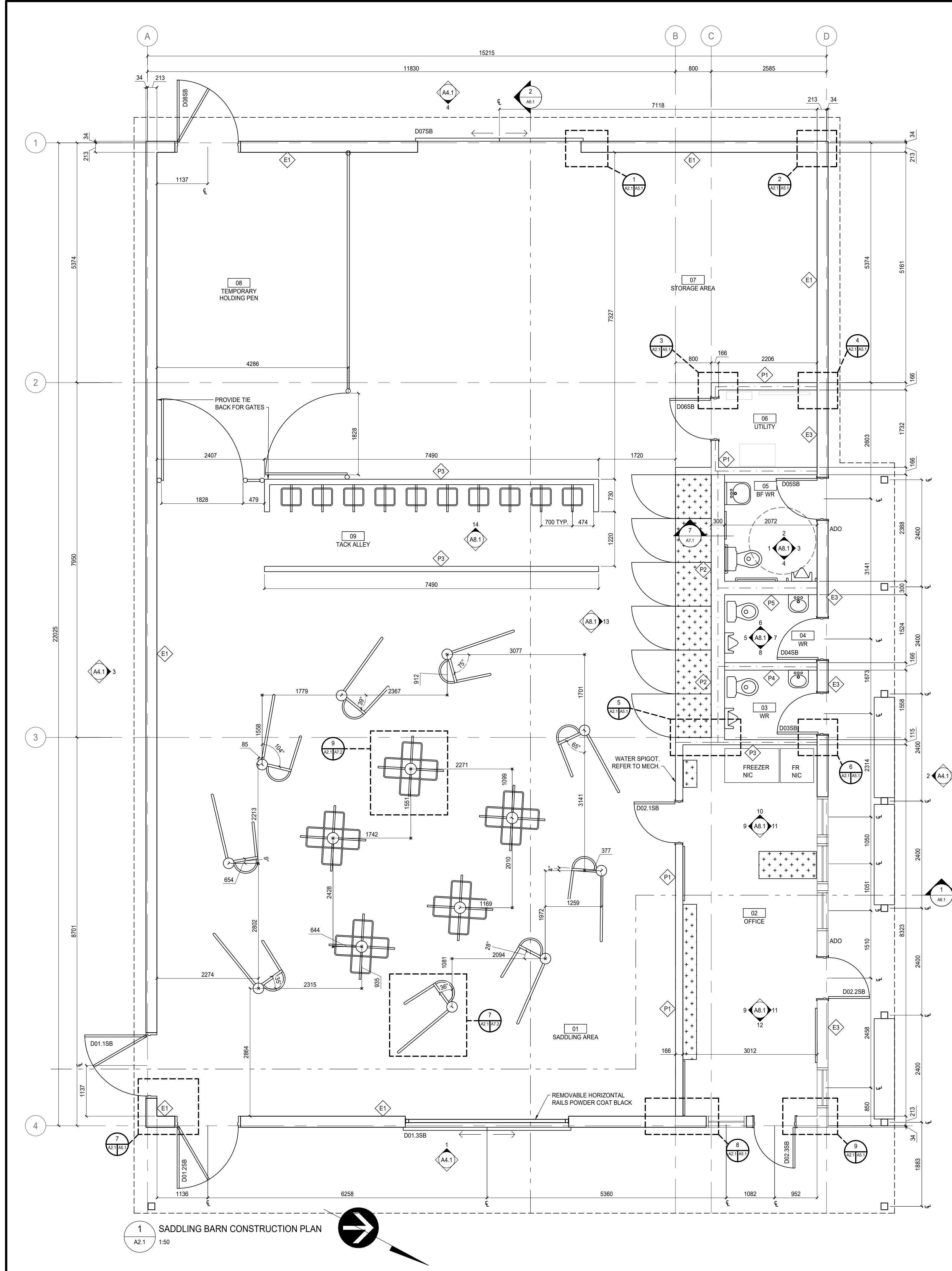
#### LEGEND:

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



2	Issued for Construction	2018 09 12
1	99% Construction Documents Submission	2018 08 21
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WLNP ALPINE STABLES RECONSTRUCTION SADDLING BARN, BOARDING BARN, WEATHER SHELTER AND LANDSCAPE		
Designed by MS		
Drawn by HA		
Approved by JR		
PWGSC Project Manager MICHAEL LYZANIWSKI		
Drawing title		
SITE PLAN		
Project no.	Drawing no.	Revision no.
R.096286.001	A1.0	2





**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
- CONCRETE CURB AT BASE OF WALL  
CONSTRUCTION. REFER TO STRUCTURAL  
FOR CURB DETAIL.

**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

**SADDLING BARN, BOARDING BARN & WEATHER SHELTER WALL TYPES:**

**EXTERIOR WALL - 45 MIN FRR - CEMENT SIDING**

- 8 mm FIBER CEMENT SIDING EXTERIOR WALL
- FINISH - CEMENT BOARD PANELS C/W BATTENS
- 13 mm PT PLYWOOD VERTICAL FURRING STRIPS @ 400 mm O/C
- BUILDING WRAP
- 13 mm PLYWOOD
- 38 x 184 mm WOOD STUDS @ 400 mm O/C
- 16 mm TYPE 'X' EXTERIOR GRADE GYPSUM
- 13 mm GOOD ONE SIDE PLYWOOD

**EXTERIOR WALL - 45 MIN FRR - CEMENT SIDING**

- 8 mm FIBER CEMENT SIDING EXTERIOR WALL
- FINISH - CEMENT BOARD PANELS C/W BATTENS
- 13 mm PT PLYWOOD VERTICAL FURRING STRIPS @ 400 mm O/C
- BUILDING WRAP
- 13 mm PLYWOOD
- 38 x 140 mm WOOD STUDS @ 400 mm O/C
- 16 mm TYPE 'X' EXTERIOR GRADE GYPSUM
- 13 mm GOOD ONE SIDE PLYWOOD

**EXTERIOR WALL - 45 MIN FRR / RSI 2.97 - CEMENT SIDING**

- 8 mm FIBER CEMENT SIDING EXTERIOR WALL
- FINISH - CEMENT BOARD PANELS C/W BATTENS
- 13 mm PT PLYWOOD VERTICAL FURRING STRIPS @ 400 mm O/C
- BUILDING WRAP
- 13 mm PLYWOOD
- 38 x 184 mm WOOD STUDS @ 400 mm O/C
- FILL CAVITY WITH MINERAL WOOL INSULATION
- POLY VAPOUR BARRIER
- 16 mm TYPE 'X' EXTERIOR GRADE GYPSUM
- 13 mm GOOD ONE SIDE PLYWOOD

**EXTERIOR WALL - CEMENT SIDING**

- 8 mm FIBER CEMENT SIDING EXTERIOR WALL
- FINISH - CEMENT BOARD PANELS C/W BATTENS
- 13 mm PT PLYWOOD VERTICAL FURRING STRIPS @ 400 mm O/C
- BUILDING WRAP
- 13 mm PLYWOOD
- 38 x 140 mm PT WOOD STUDS @ 400 mm O/C

**INTERIOR WALL - RSI 2.81**

- 13 mm GOOD ONE SIDE PLYWOOD
- BUILDING WRAP (BARN SIDE)
- 38 x 140 mm WOOD STUDS @ 400 mm O/C
- FILL CAVITY WITH MINERAL WOOL INSULATION
- VAPOUR BARRIER (OFFICE SIDE)
- 13 mm GOOD ONE SIDE PLYWOOD

**INTERIOR WALL - RSI 2.81**

- 13 mm GOOD ONE SIDE PLYWOOD
- BUILDING WRAP (BARN SIDE)
- 38 x 89 mm WOOD STUDS @ 400 mm O/C
- 96 mm AIRSPACE
- FILL CAVITY WITH MINERAL WOOL INSULATION
- 38 x 89 mm WOOD STUDS @ 400 mm O/C
- VAPOUR BARRIER (WASHROOM SIDE)
- 13 mm GOOD ONE SIDE PLYWOOD

**INTERIOR WALL**

- 13 mm GOOD ONE SIDE PLYWOOD
- 38 x 89 mm WOOD STUDS @ 400 mm O/C
- 13 mm GOOD ONE SIDE PLYWOOD

**INTERIOR WALL - PLUMBING WALL**

- 13 mm GOOD ONE SIDE PLYWOOD
- 38 x 140 mm WOOD STUDS @ 400 mm O/C
- 13 mm GOOD ONE SIDE PLYWOOD

**INTERIOR WALL - PLUMBING WALL**

- 13 mm GOOD ONE SIDE PLYWOOD
- 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 GOOD ONE SIDE PLYWOOD

**SADDLING BARN, BOARDING BARN & WEATHER SHELTER ROOF TYPES:**

**ROOF ASSEMBLY**

- PREFINISHED METAL ROOF
- SELF-ADHERED SYNTHETIC ROOF UNDERLAY
- 13 mm PLYWOOD C/W H-CLIPS
- 38 mm SEMI-RIGID MINERAL WOOL
- WOOD TRUSSES

**ROOF ASSEMBLY**

- PREFINISHED METAL ROOF
- SELF-ADHERED SYNTHETIC ROOF UNDERLAY
- 13 mm PLYWOOD C/W H-CLIPS
- WOOD RAFTERS

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**

**REGISTERED ARCHITECT**  
2018  
ALBERTA

**REPUBLIC ARCHITECTURE INC.**  
PERMIT No. AC 13927  
ISSUED PURSUANT TO THE ARCHITECTS ACT OF ALBERTA

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**  
**SADDLING BARN, BOARDING BARN, WEATHER SHELTER AND LANDSCAPE**

Designed by  
**MS**

Drawn by  
**HA**

Approved by  
**JR**

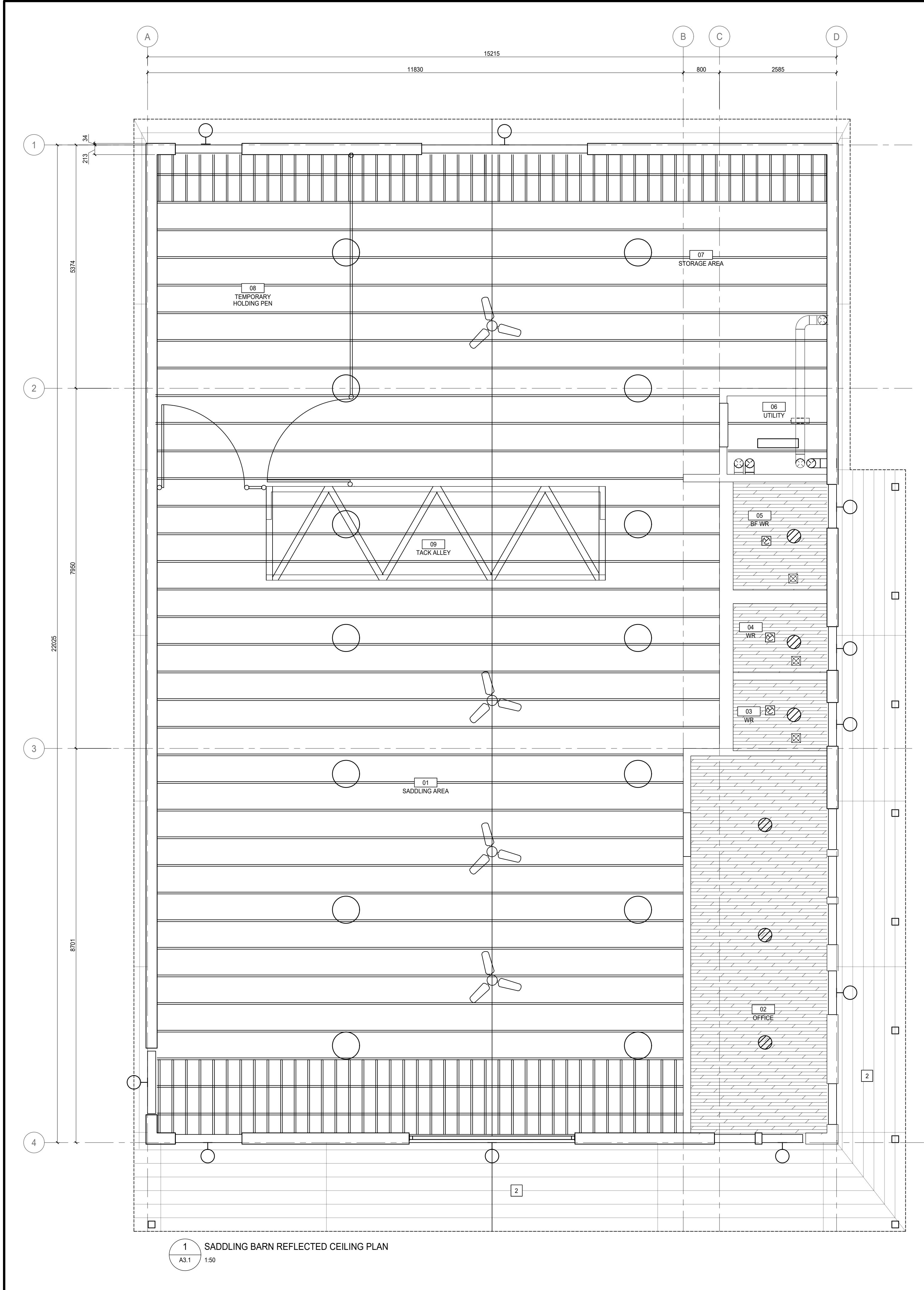
PWGC Project Manager  
**MICHAEL L'YZANWISKI**

Drawing title

**SADDLING BARN, BOARDING BARN AND WEATHER SHELTER**  
**NEW CONSTRUCTION FLOOR PLANS**

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





1 SADDLING BARN REFLECTED CEILING PLAN  
A3.1 1:50

#### PLAN LEGEND

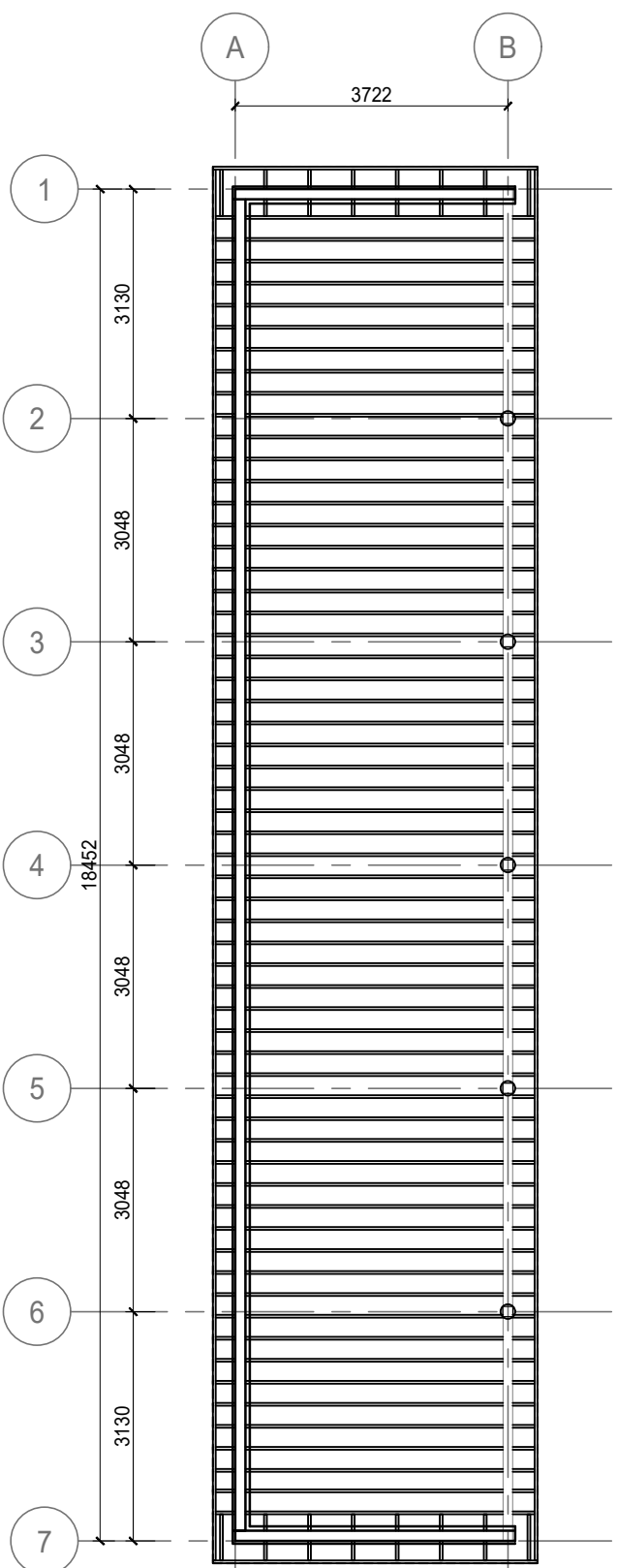
- LED FIXTURE
- WALL MOUNTED FIXTURE
- CEILING HEIGHT, A.F.F.
- CEILING FINISH
- HIGH BAY LED FIXTURE
- PENDANT
- CEILING FAN
- PLYWOOD CEILING
- MECHANICAL VENT
- CONSTRUCTION NORTH
- TRUE NORTH

#### GENERAL NOTES:

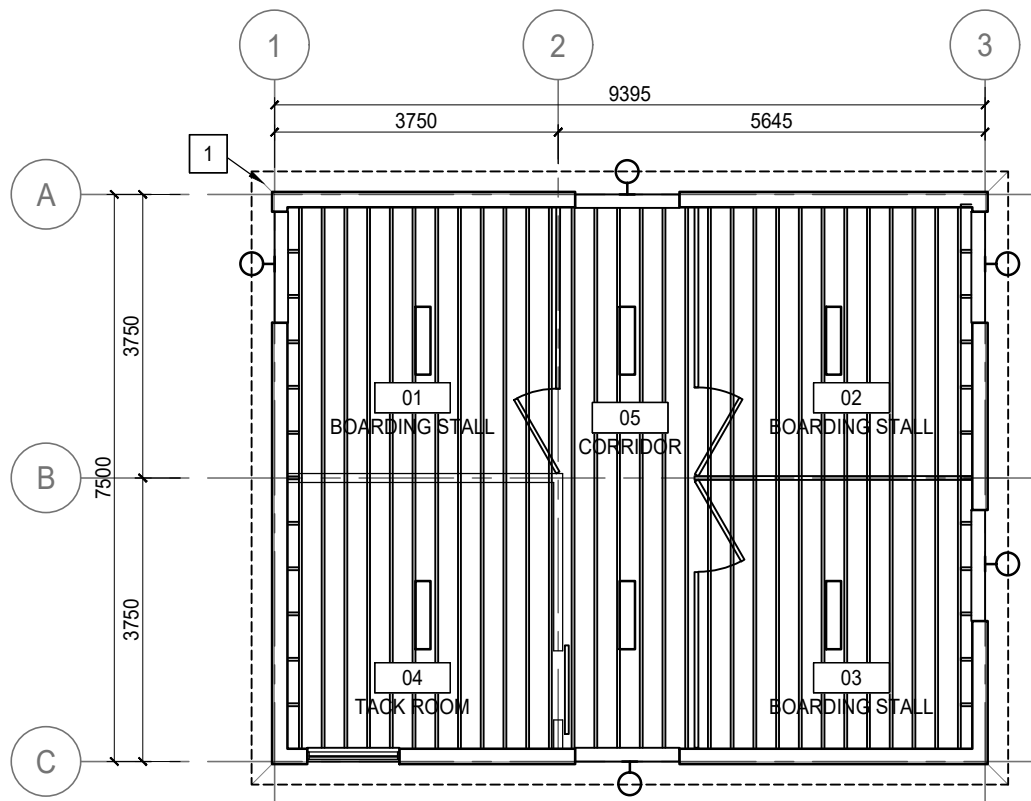
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- ALL WORK MUST REMAIN WITHIN THE SITE BOUNDARY TO ENSURE THERE IS NO DISRUPTION OR DAMAGE TO THE BUTTERFLY HABITAT.

#### 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                     |



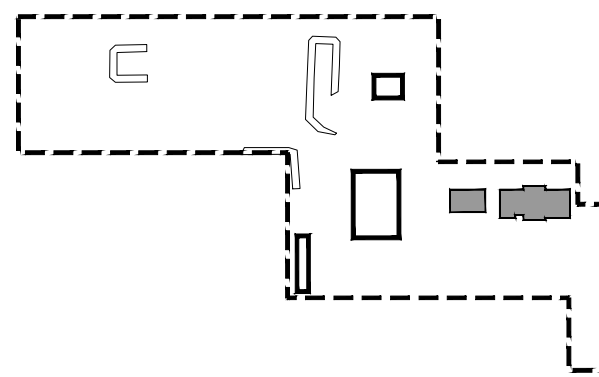
2 WEATHER SHELTER REFLECTED CEILING PLAN  
A3.1 1:100



3 BOARDING BARN REFLECTED CEILING PLAN  
A3.1 1:100

#### KEY NOTES:

- FIBRE CEMENT SOFFIT, FACTORY FINISH COLOUR SIMILAR TO, BENJAMIN MOORE HC-5.
- TONGUE AND GROOVE CEDAR SOFFIT, NON-TOXIC WOOD TREATMENT.



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



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**PWGSC / TPSGC**

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WATERTON, ALBERTA**

**WLNP ALPINE STABLES RECONSTRUCTION  
SADDLING BARN, BOARDING BARN,  
WEATHER SHELTER AND LANDSCAPE**

Designed by  
**MS**

Drawn by  
**HA**

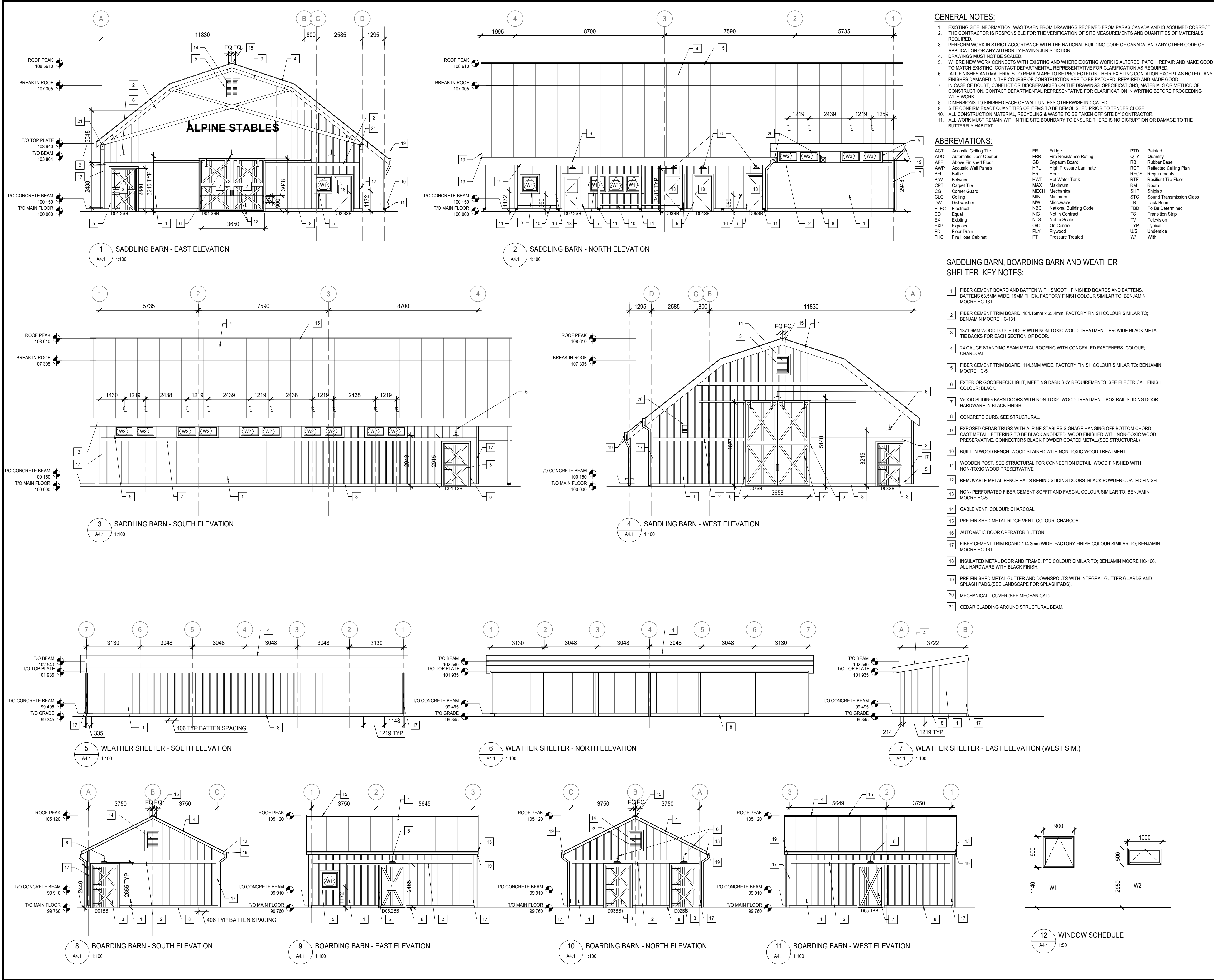
Approved by  
**JR**

PWGSC Project Manager  
**MICHAEL L. ZYZANSKI**

Drawing title  
**SADDLING BARN, BOARDING BARN  
AND WEATHER SHELTER  
NEW CONSTRUCTION  
REFLECTED CEILING PLANS**

Project no.	Drawing no.	Revision no.
<b>R.096286.001</b>	<b>A3.1</b>	<b>2</b>





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**ABBREVIATIONS:**

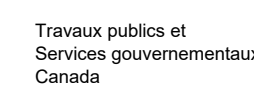
ACT	Acoustic Ceiling Tile	FR	Fridge	PTD	Painted
ADD	Automatic Door Opener	FRR	Fire Resistance Rating	QTY	Quantity
AFF	Above Finished Floor	GB	Gypsum Board	RB	Rubber Base
AWP	Acoustic Wall Panels	HPL	High Pressure Laminate	RCP	Reflected Ceiling Plan
BFL	Baffle	HR	Hour	RECS	Requirements
BW	Between	HWT	Hot Water Tank	RFT	Resilient Tile Floor
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EQ	Equal	NIC	Not in Contract	TS	Transition Strip
EX	Exposed	NTS	Not to Scale	TV	Television
FD	Floor Drain	O/C	On Centre	TYP	Typical
FHC	Fire Hose Cabinet	PLY	Plywood	UIS	Underside
		PT	Pressure Treated	W/	With

**SADDLING BARN, BOARDING BARN AND WEATHER SHELTER KEY NOTES:**

- FIBER CEMENT BOARD AND BATTEN WITH SMOOTH FINISHED BOARDS AND BATTENS. BATTENS 63.5MM WIDE, 15MM THICK. FACTORY FINISH COLOUR SIMILAR TO; BENJAMIN MOORE HC-131.
- FIBER CEMENT TRIM BOARD. 184.15mm x 25.4mm. FACTORY FINISH COLOUR SIMILAR TO; BENJAMIN MOORE HC-131.
- 1371.6MM WOOD DUTCH DOOR WITH NON-TOXIC WOOD TREATMENT. PROVIDE BLACK METAL TIE BAKES FOR EACH SECTION OF DOOR.
- 24 GAUGE STANDING SEAM METAL ROOFING WITH CONCEALED FASTENERS. COLOUR: CHARCOAL.
- FIBER CEMENT TRIM BOARD. 114.3MM WIDE. FACTORY FINISH COLOUR SIMILAR TO; BENJAMIN MOORE HC-5.
- EXTERIOR GOOSENECK LIGHT. MEETING DARK SKY REQUIREMENTS. SEE ELECTRICAL. FINISH COLOUR: BLACK.
- WOOD SLIDING BARN DOORS WITH NON-TOXIC WOOD TREATMENT. BOX RAIL SLIDING DOOR HARDWARE IN BLACK FINISH.
- CONCRETE CURB. SEE STRUCTURAL.
- EXPOSED CEDAR TRUSS WITH ALPINE STABLES SIGNAGE HANGING OFF BOTTOM CHORD. CAST METAL LETTERING TO BE BLACK ANODIZED. WOOD FINISHED WITH NON-TOXIC WOOD PRESERVATIVE. CONNECTORS BLACK POWDER COATED METAL (SEE STRUCTURAL).
- BUILT IN WOOD BENCH. WOOD STAINED WITH NON-TOXIC WOOD TREATMENT.
- WOODEN POST. SEE STRUCTURAL FOR CONNECTION DETAIL. WOOD FINISHED WITH NON-TOXIC WOOD PRESERVATIVE.
- REMOVABLE METAL FENCE RAILS BEHIND SLIDING DOORS. BLACK POWDER COATED FINISH.
- NON-PERFORATED FIBER CEMENT SOFFIT AND FASCIA. COLOUR SIMILAR TO; BENJAMIN MOORE HC-5.
- GABLE VENT. COLOUR: CHARCOAL.
- PRE-FINISHED METAL RIDGE VENT. COLOUR: CHARCOAL.
- AUTOMATIC DOOR OPERATOR BUTTON.
- FIBER CEMENT TRIM BOARD 114.3mm WIDE. FACTORY FINISH COLOUR SIMILAR TO; BENJAMIN MOORE HC-131.
- INSULATED METAL DOOR AND FRAME. PTD COLOUR SIMILAR TO; BENJAMIN MOORE HC-166. ALL HARDWARE WITH BLACK FINISH.
- PRE-FINISHED METAL GUTTER AND DOWNSPOUTS WITH INTEGRAL GUTTER GUARDS AND SPLASH PADS. (SEE LANDSCAPE FOR SPLASHPADS).
- MECHANICAL LOUVER (SEE MECHANICAL).
- CEDAR CLADDING AROUND STRUCTURAL BEAM.



Public Works and Government Services Canada



Travaux publics et Services gouvernementaux Canada

REAL PROPERTY SERVICES

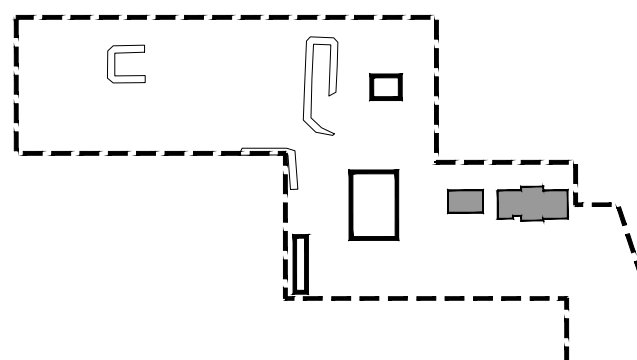
Western Region

SERVICES IMMOBILIERS

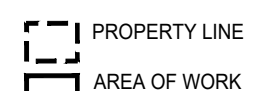
Région de l'ouest

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



REGISTERED ARCHITECT  
2018  
ALBERTA

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PERMIT No. AC 13827

ISSUED PURSUANT TO THE ARCHITECTS ACT OF ALBERTA

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PWGC / TPSGC

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SECTION 25, NE CORNER, TOWNSHIP ONE,  
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WATERTON, ALBERTA

WLNP ALPINE STABLES RECONSTRUCTION  
SADDLING BARN, BOARDING BARN,  
WEATHER SHELTER AND LANDSCAPE

Designed by

MS

Drawn by

HA

Approved by

JR

PWGC Project Manager

MICHAEL LYZANIWSKI

Drawing title

SADDLING BARN, BOARDING BARN  
AND WEATHER SHELTER  
EXTERIOR ELEVATIONS

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

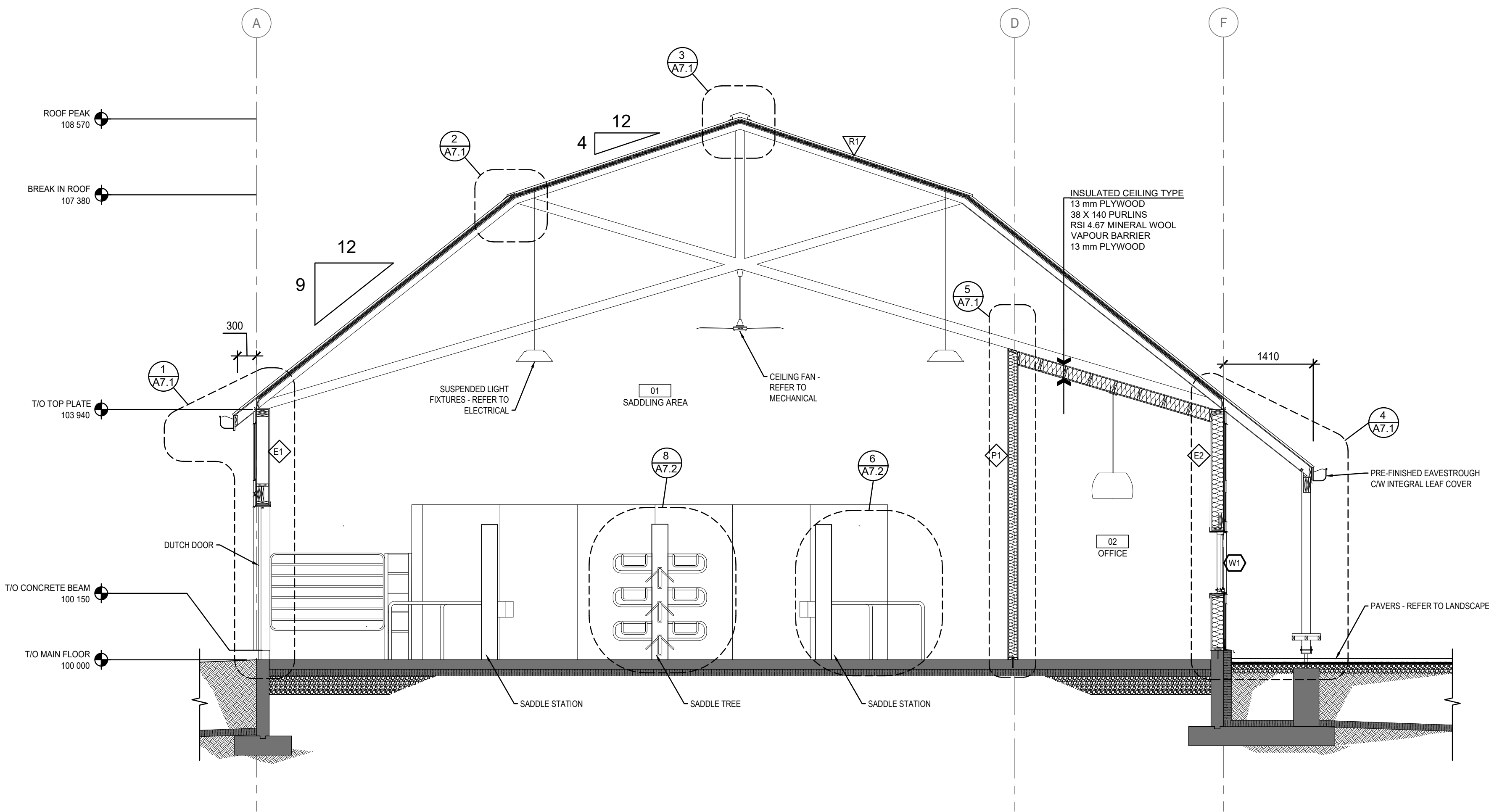
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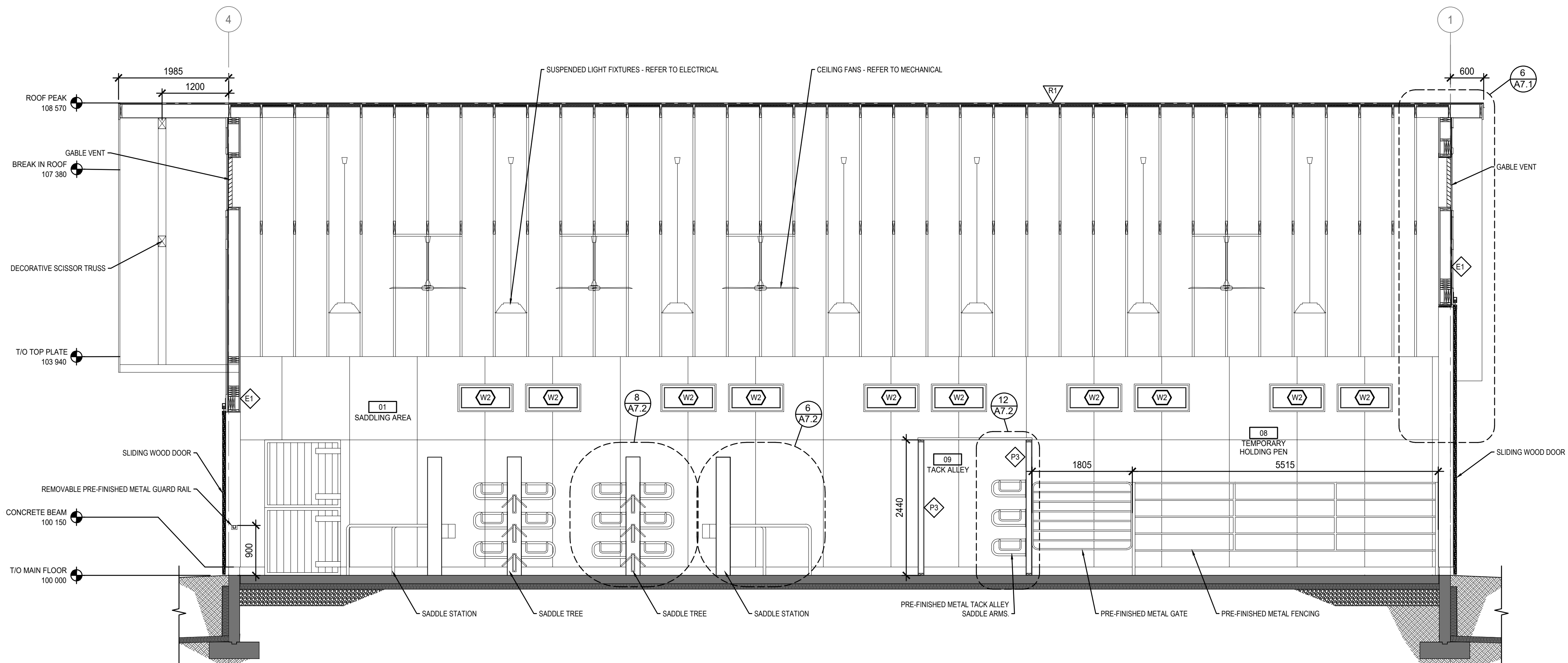








1 SADDLING BARN SECTION  
A6.1 1:50



2 SADDLING BARN SECTION  
A6.1 1:50

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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
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ELEC	Electrical	NBC	National Building Code	TBD	To Be Determined
EQ	Equal	NIC	Not in Contract	TS	Transition Strip
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EXP	Exposed	O/C	On Centre	TYP	Typical
FD	Floor Drain	PLY	Plywood	U/S	Underside
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#### LEGEND

EXISTING

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Région de l'ouest

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KEY PLAN

SCALE: 1:2500

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AREA OF WORK

BUILDINGS NOT IN CONTRACT



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**WLNP ALPINE STABLES RECONSTRUCTION**  
**SADDLING BARN, BOARDING BARN,  
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Designed by  
**MS**

Drawn by  
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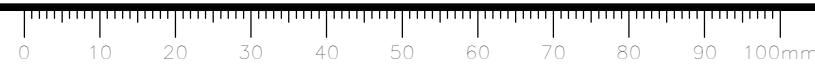
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PWGC Project Manager  
**MICHAEL LYZANOWSKI**

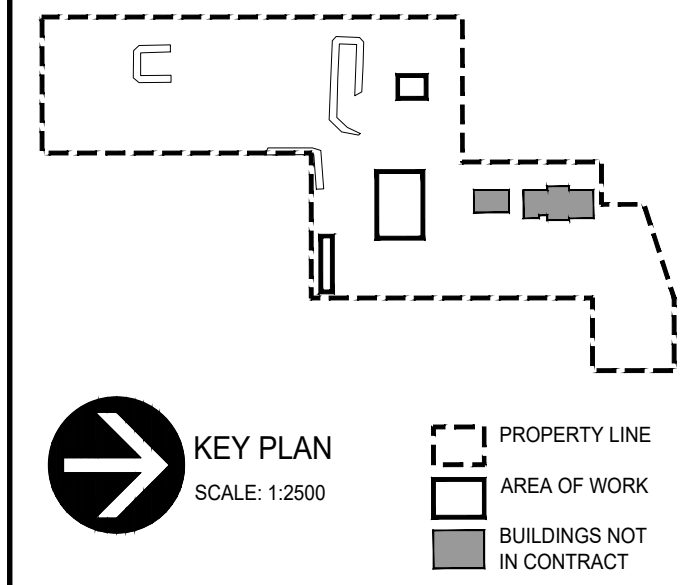
Drawing title

**SADDLING BARN BUILDING SECTIONS**

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



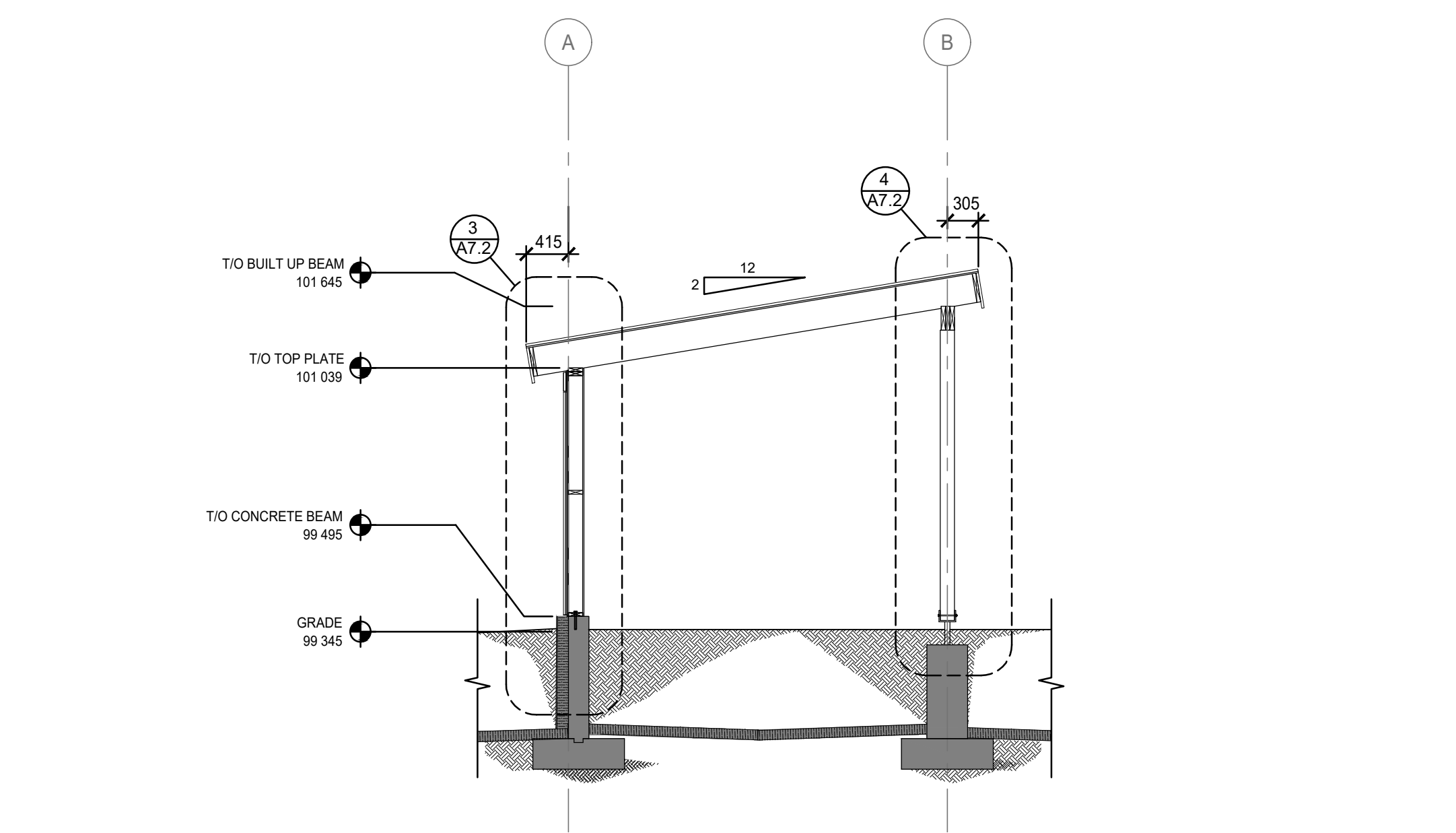




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Project title	SECTION 25, NE CORNER, TOWNSHIP ONE, RANGE 30, WEST OF THE 4TH WATERTON, ALBERTA	
Project title	WLNP ALPINE STABLES RECONSTRUCTION SADDLING BARN, BOARDING BARN, WEATHER SHELTER AND LANDSCAPE	
Designed by	MS	
Drawn by	RA	
Approved by	JR	
PWGSC Project Manager	MICHAEL LYZANIEWSKI	
Drawing title	BOARDING BARN AND WEATHER SHELTER BUILDING SECTIONS	
Project no.	Drawing no.	Revision no.
R.096286.001	A6.2	3

1 BOARDING BARN SECTION  
A6.2 1:50



3 WEATHER SHELTER SECTION  
A6.2 1:50



2 BOARDING BARN SECTION  
A6.2 1:50



LEGEND

EXISTING

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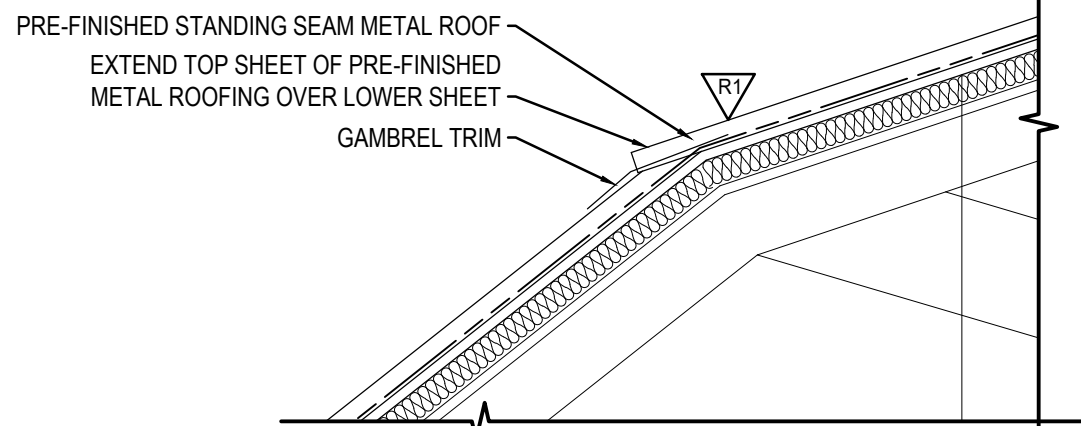
ABBREVIATIONS:

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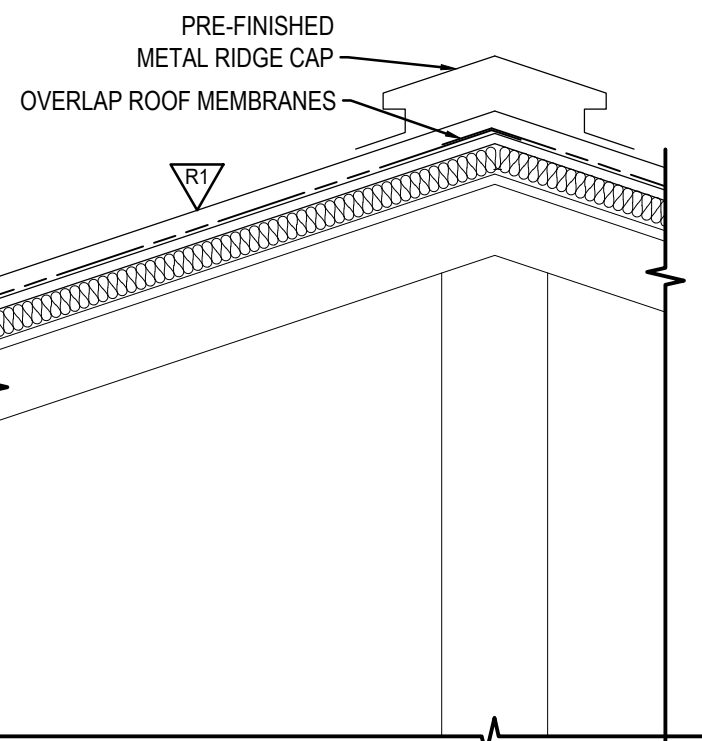


LEGEND

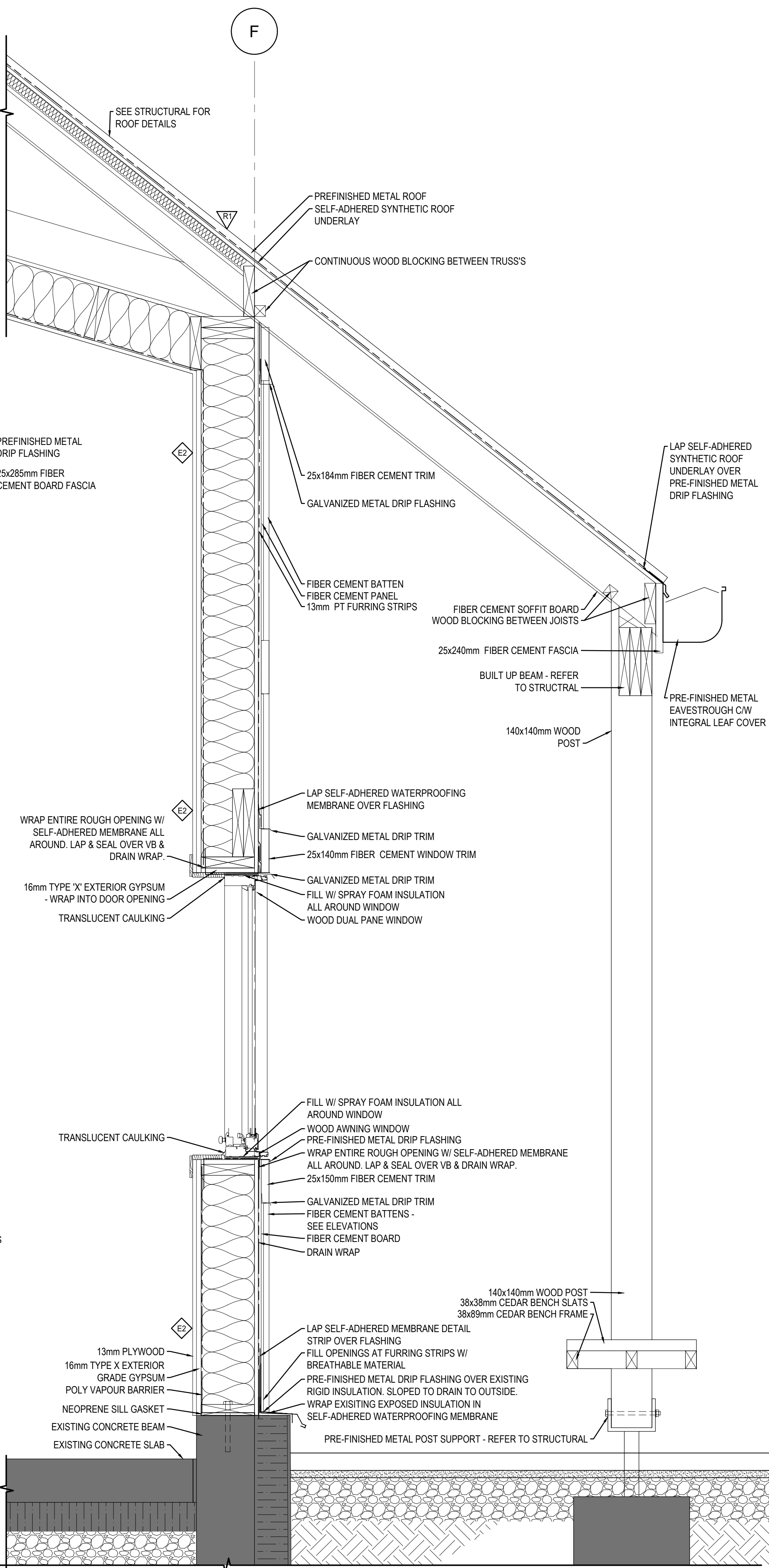
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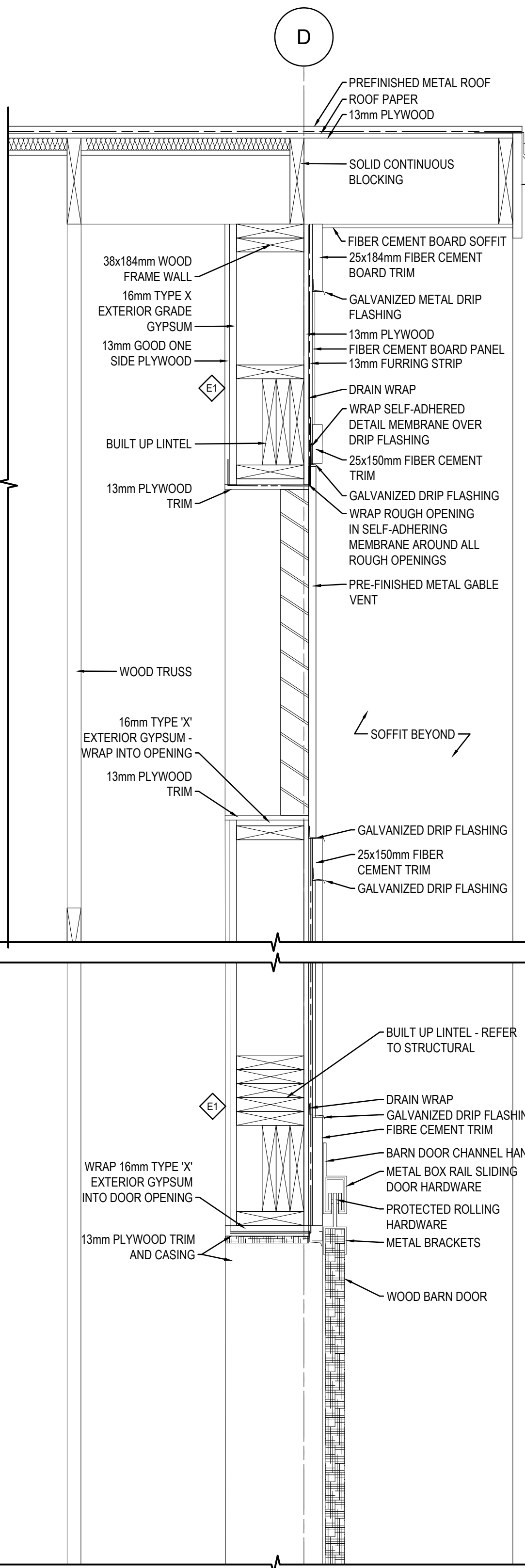
2 SECTION DETAIL @ SLOPE CHANGE  
A7.1 1:10



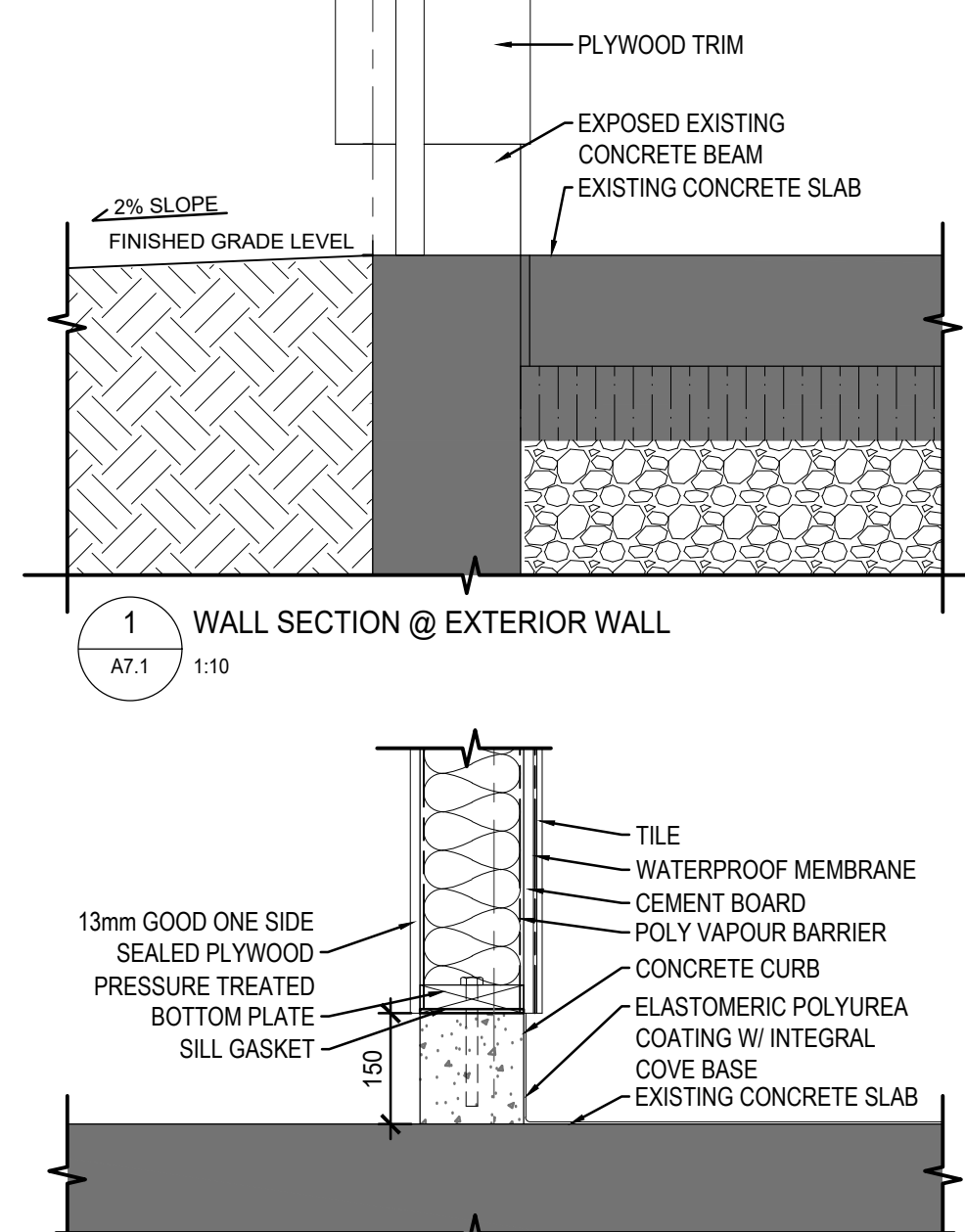
3 SECTION DETAIL @ RIDGE CAP  
A7.1 1:10



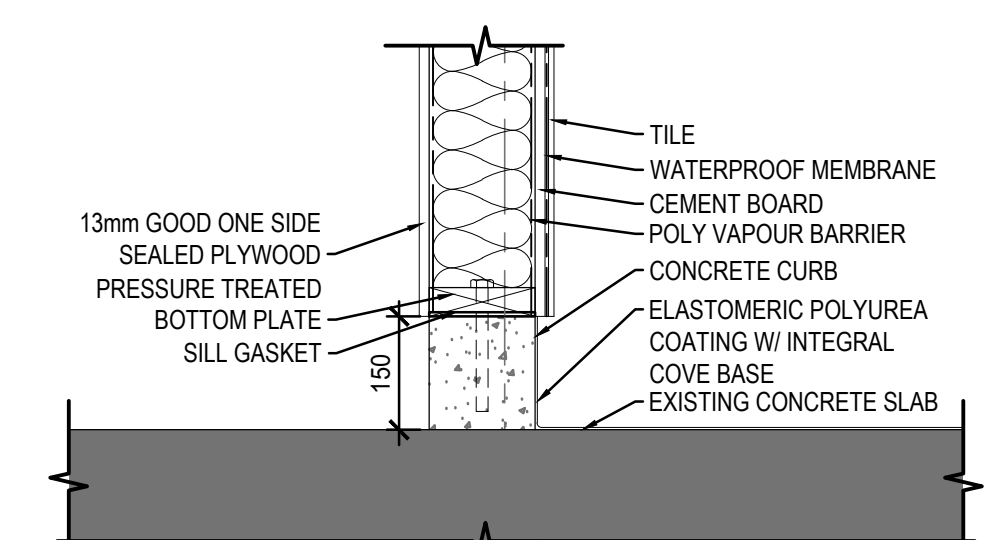
4 WALL SECTION  
A7.1 1:10



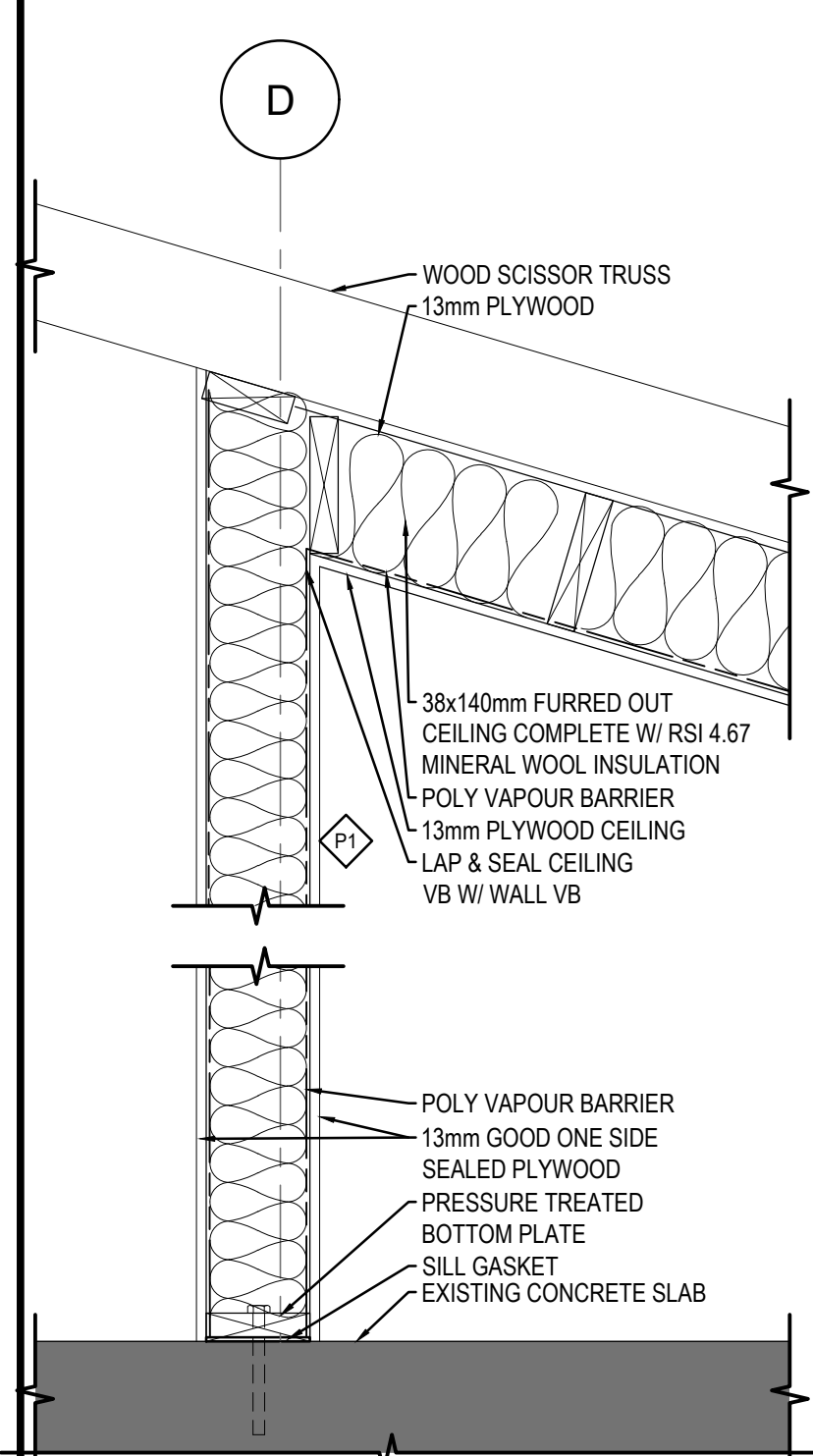
6 WALL SECTION @ EXTERIOR WALL  
A7.1 1:10



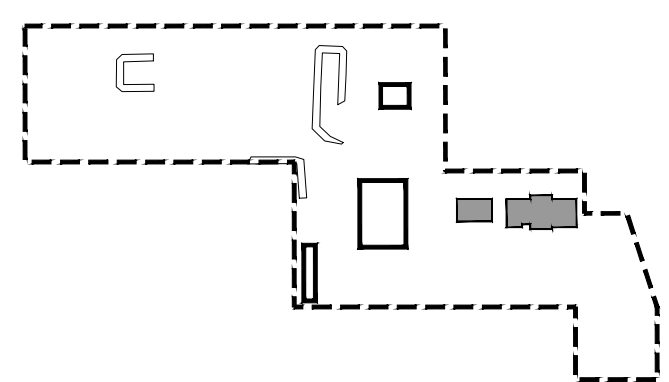
1 WALL SECTION @ EXTERIOR WALL  
A7.1 1:10



7 W/C TILE WALL @ CONCRETE CURB  
A7.1 1:10



5 OFFICE PARTITION WALL  
A7.1 1:10



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



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

Revision	Description	Date
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**  
**SADDLING BARN, BOARDING BARN, WEATHER SHELTER AND LANDSCAPE**

Designed by  
**MS**  
Drawn by  
**RA**  
Approved by  
**JR**  
PWGC Project Manager  
**MICHAEL LYZANSKI**

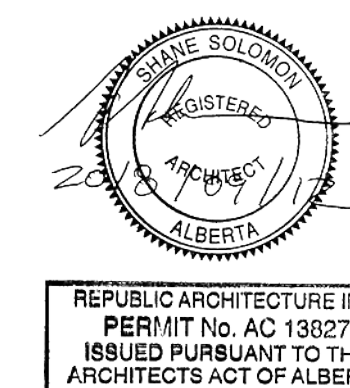
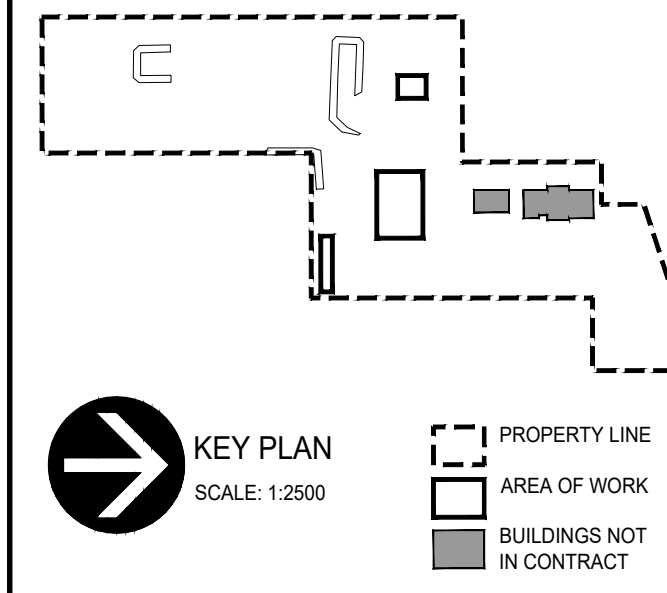
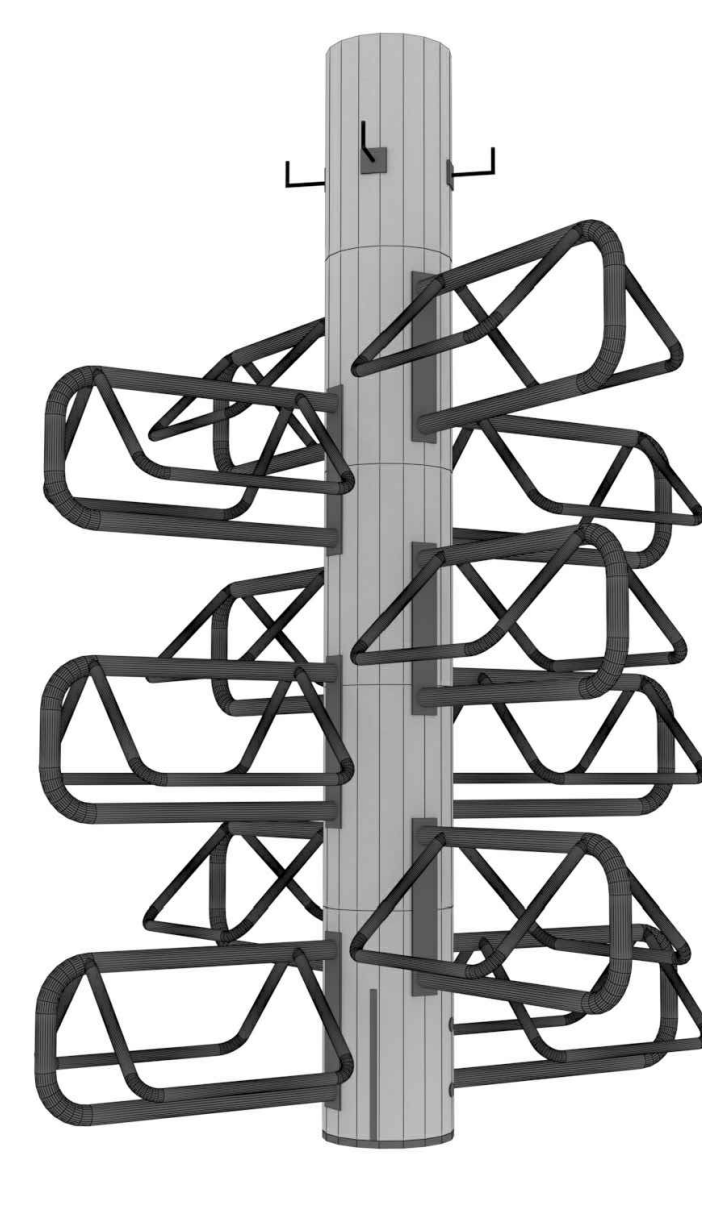
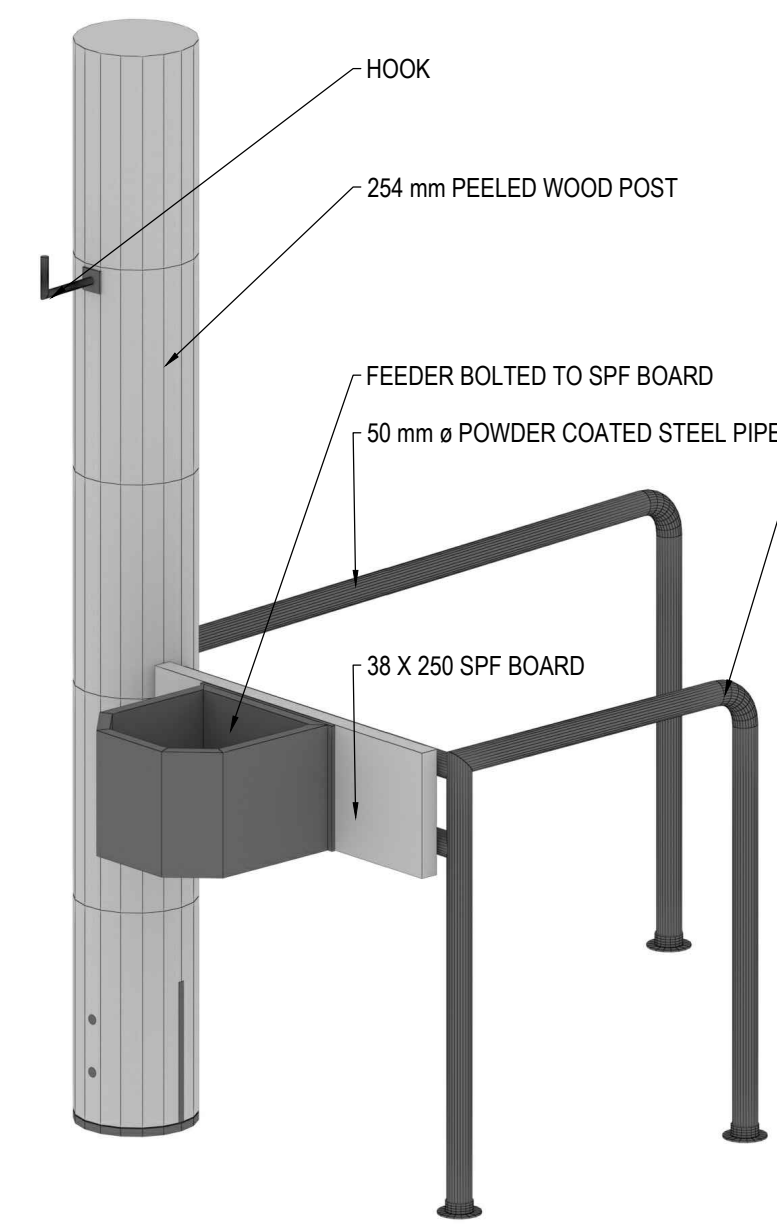
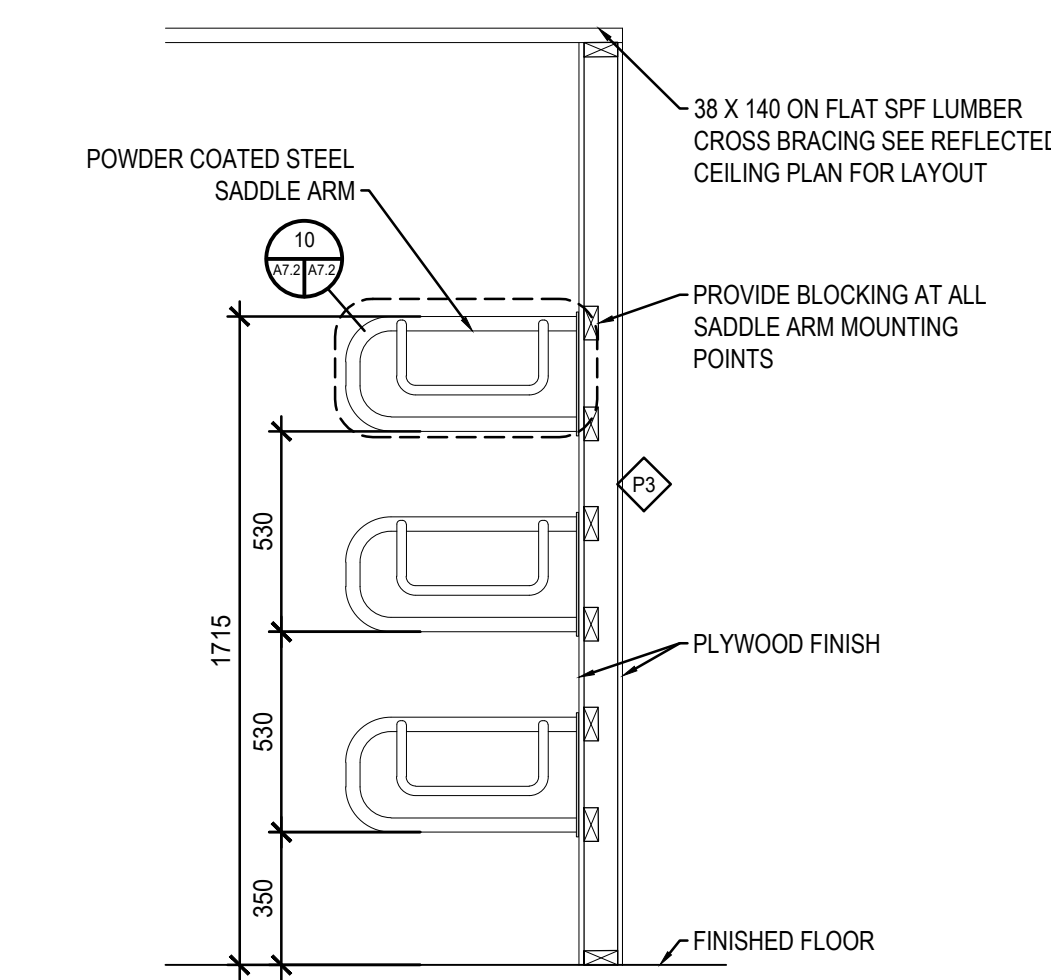
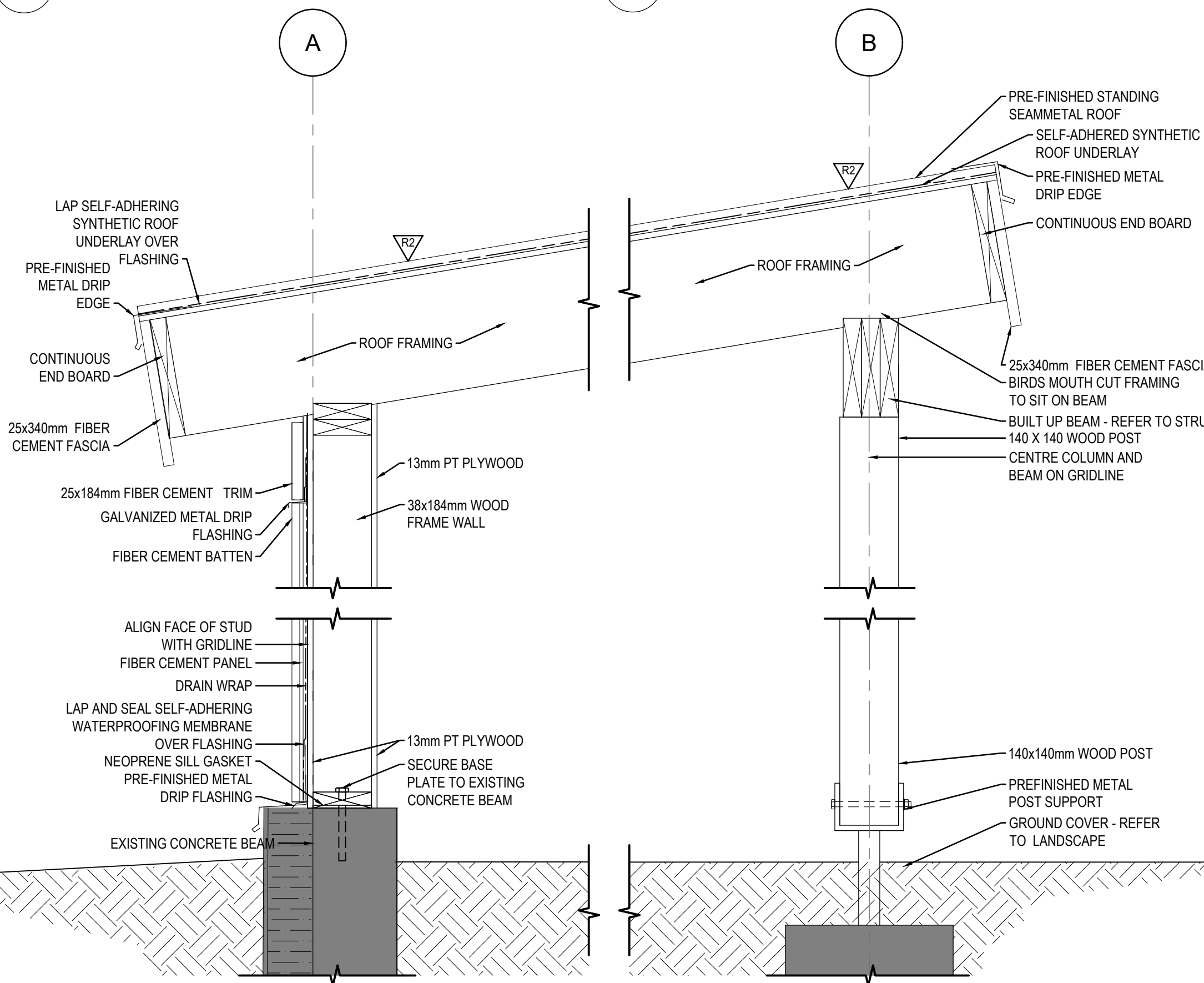
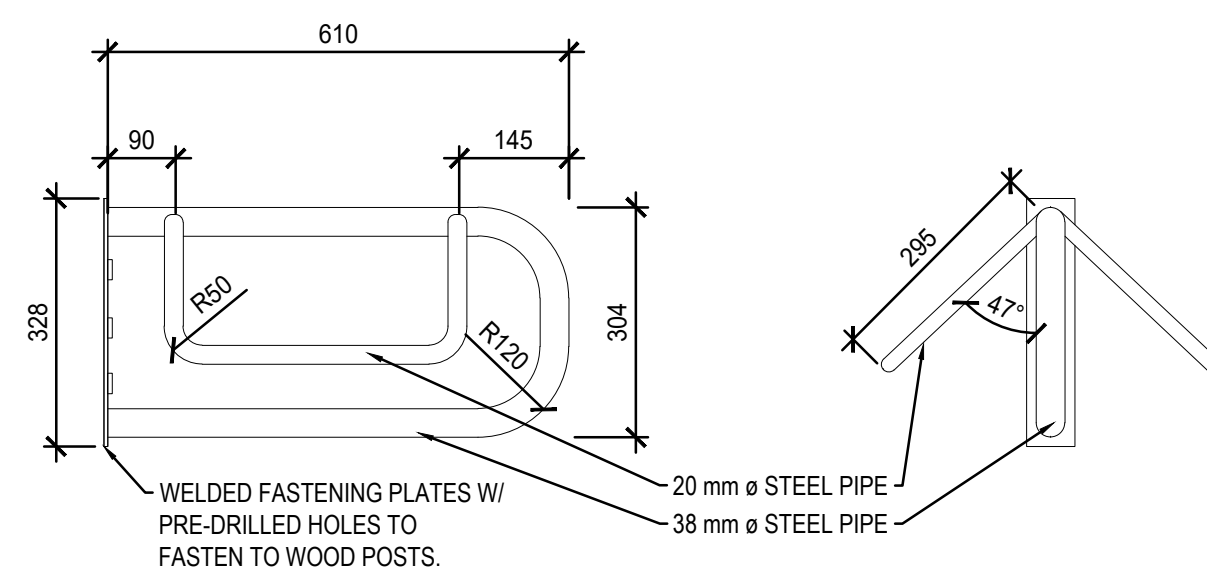
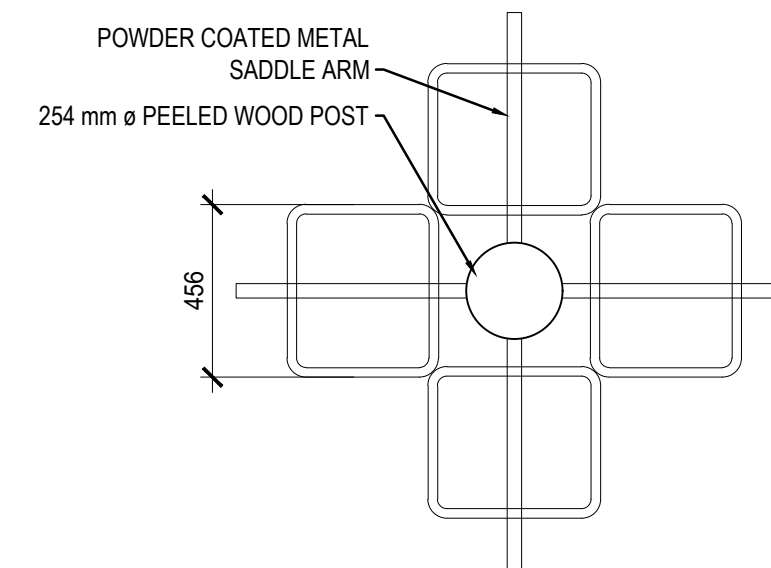
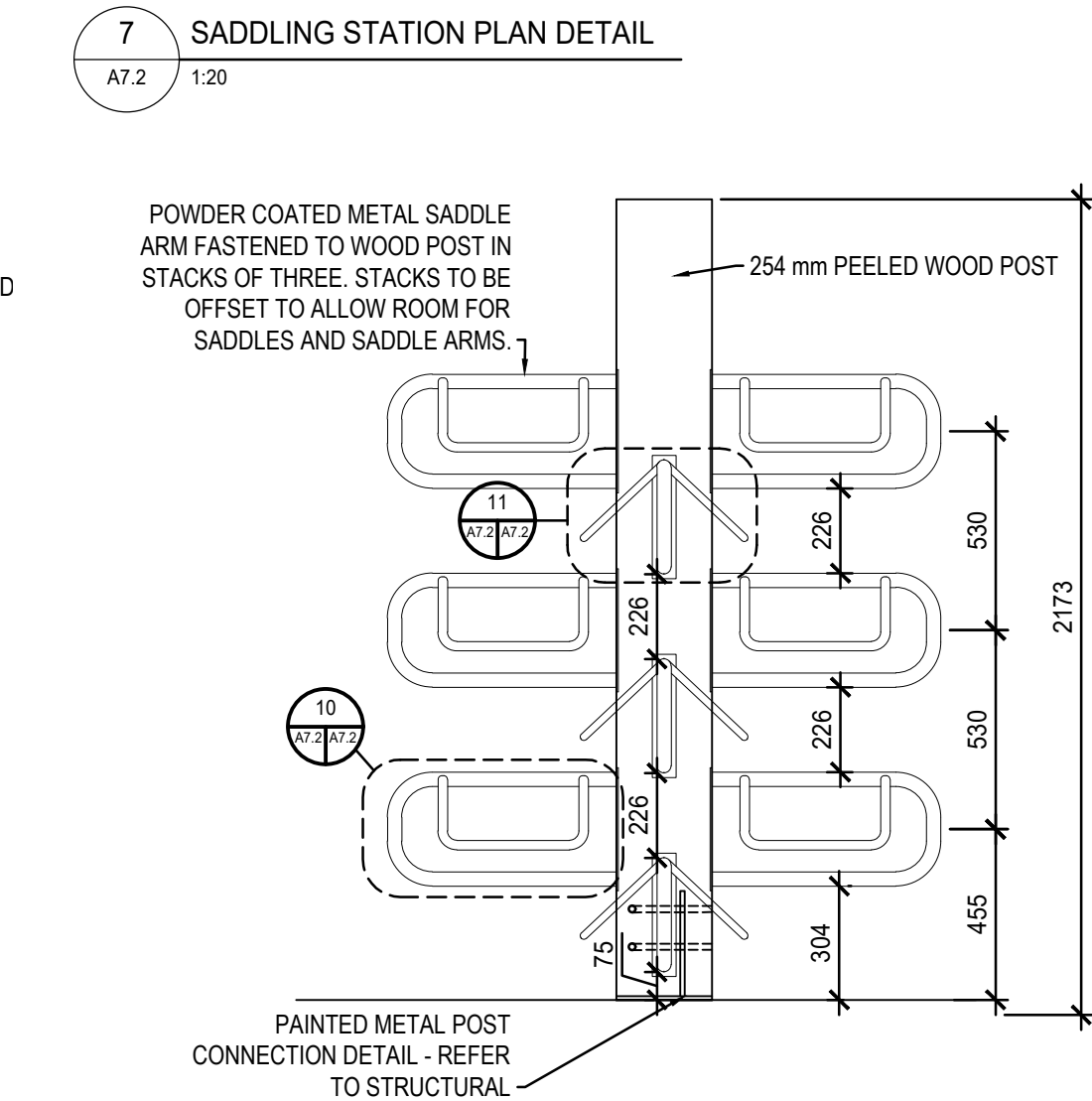
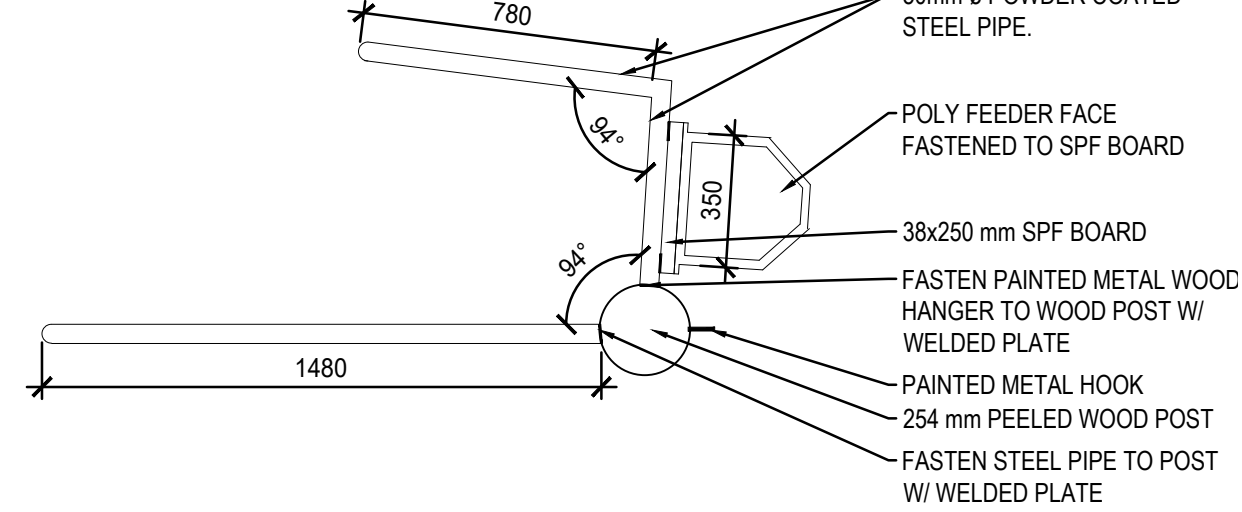
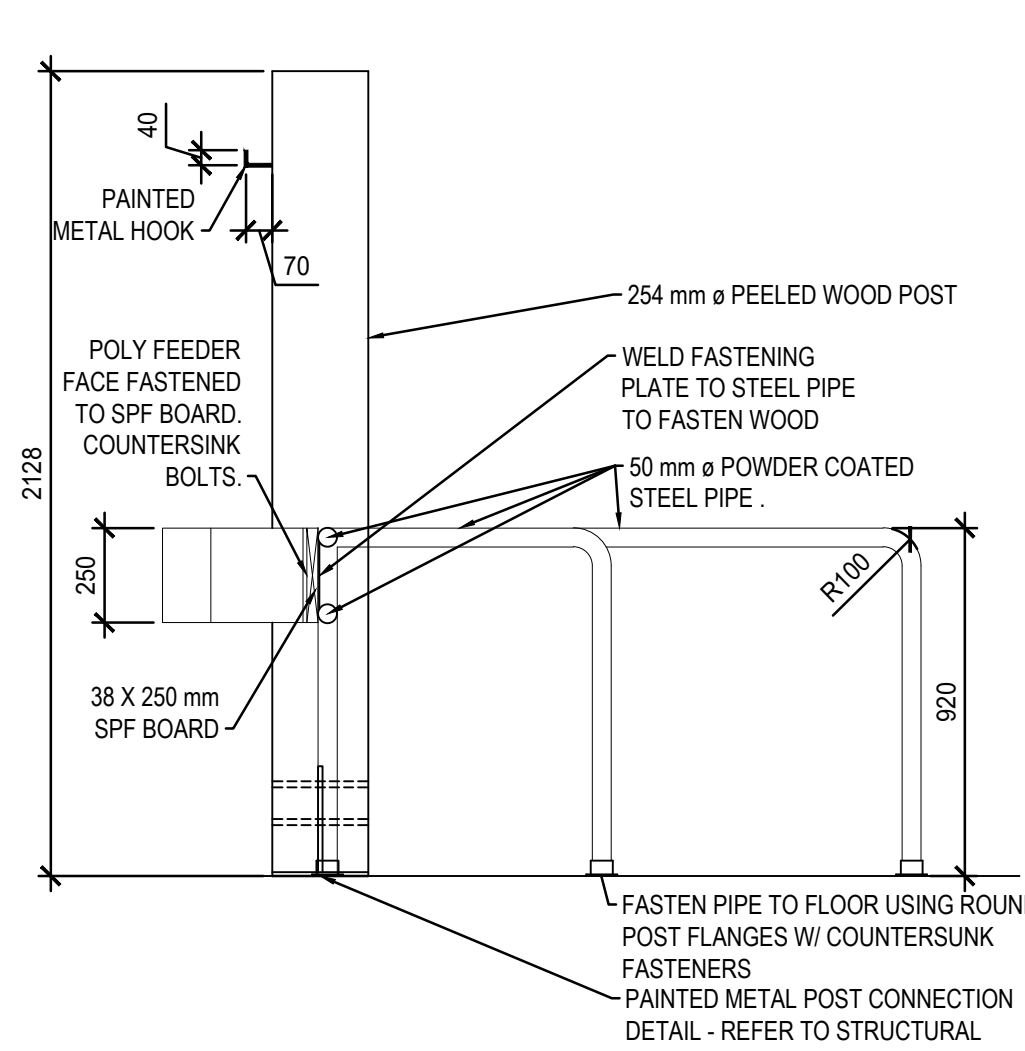
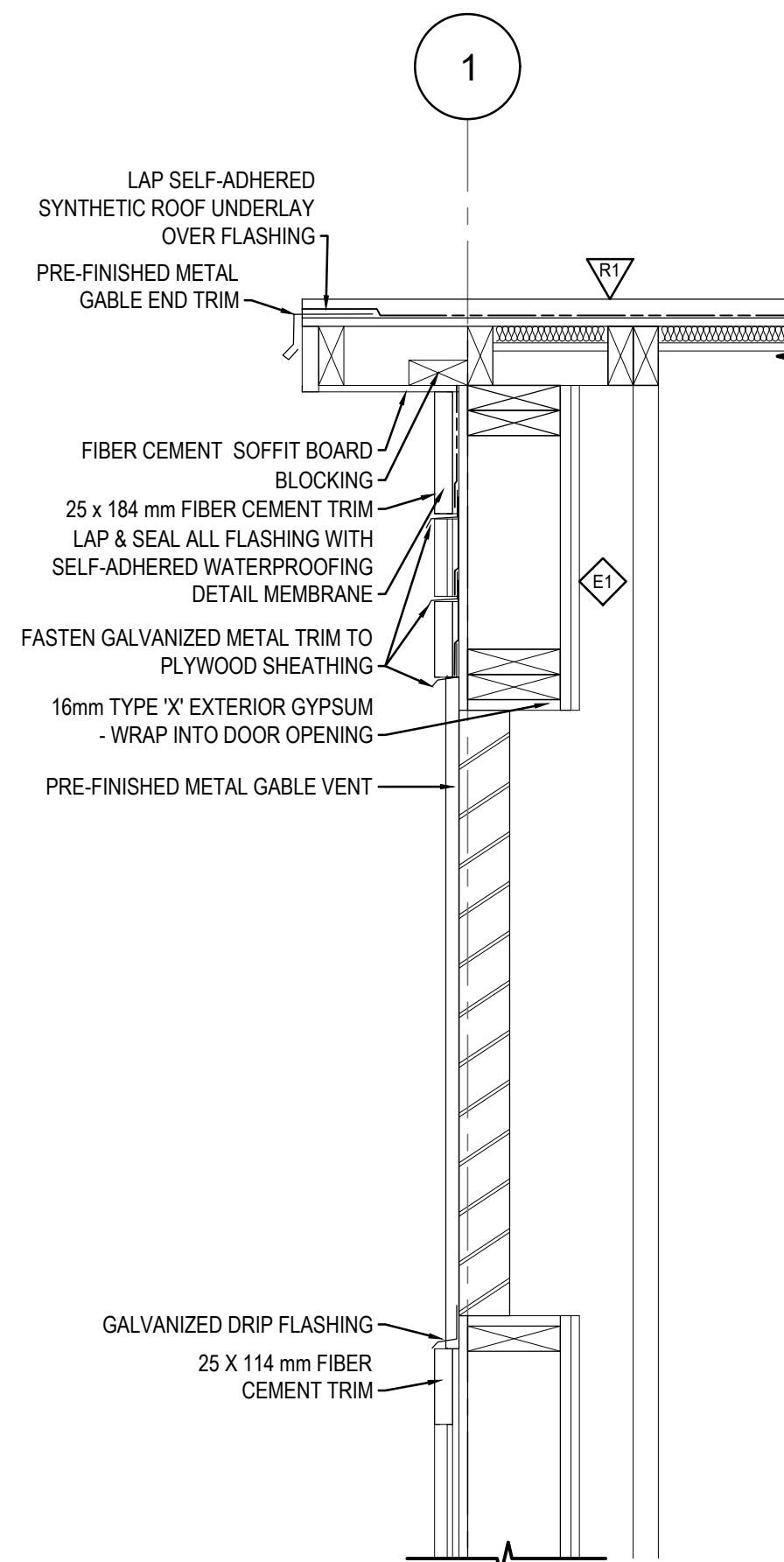
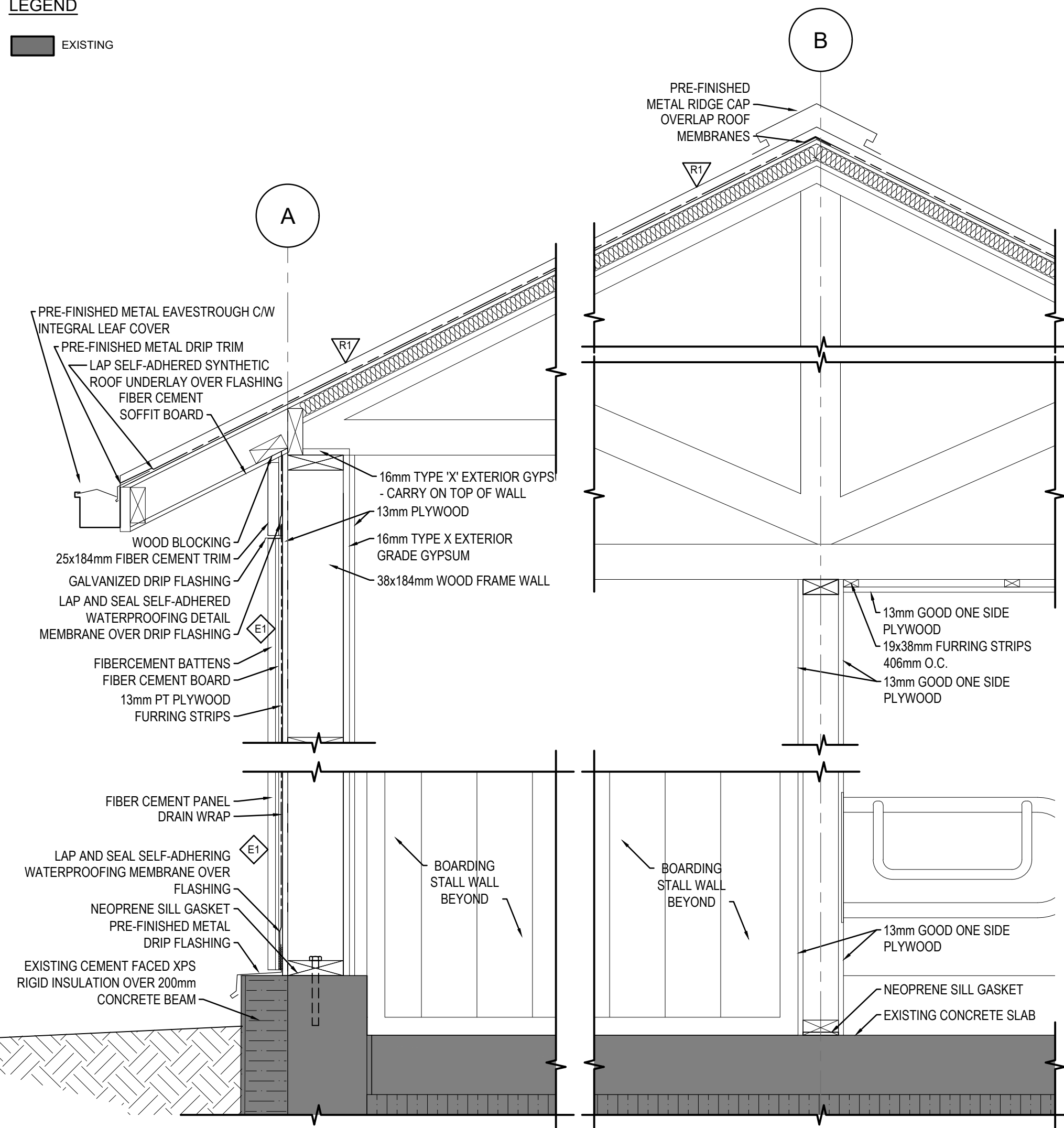
Drawing title  
**SADDLING BARN SECTIONS DETAILS**

Project no.  
**R.096286.001**  
Drawing no.  
**A7.1**  
Revision no.  
**2**



# LEGEND

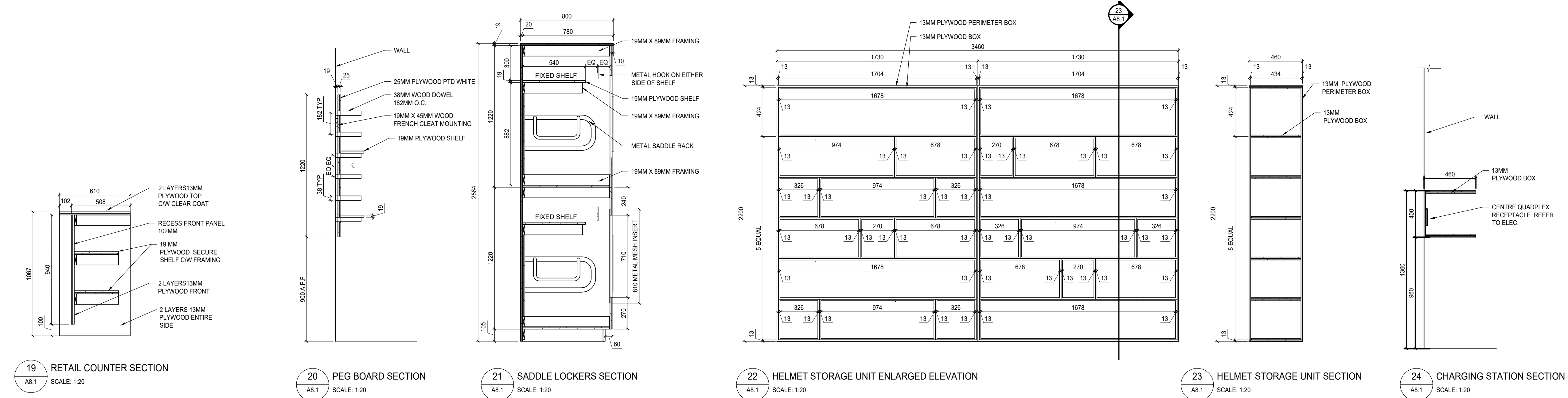
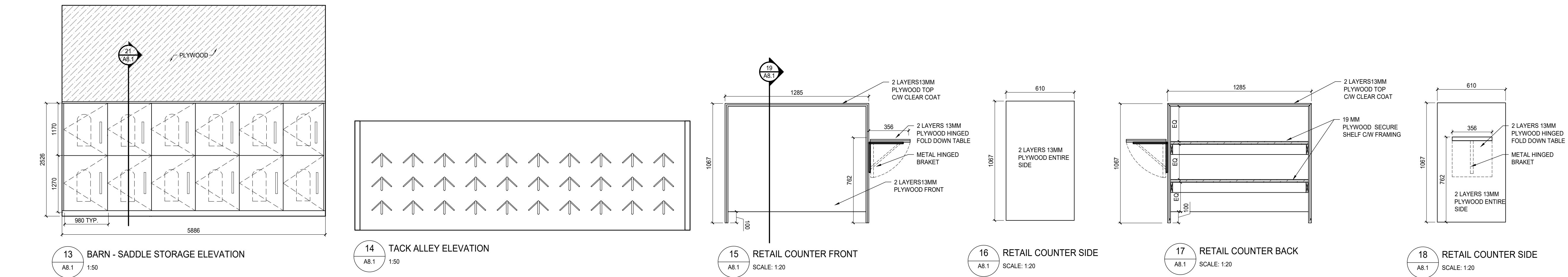
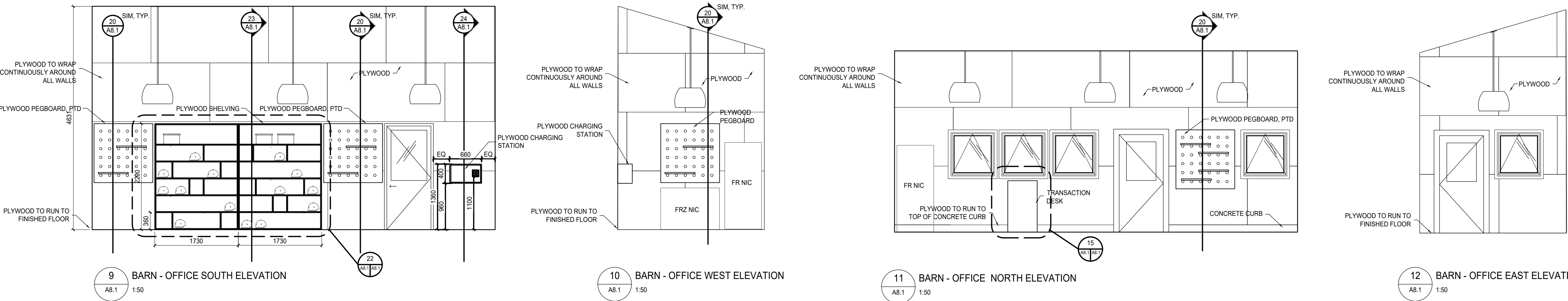
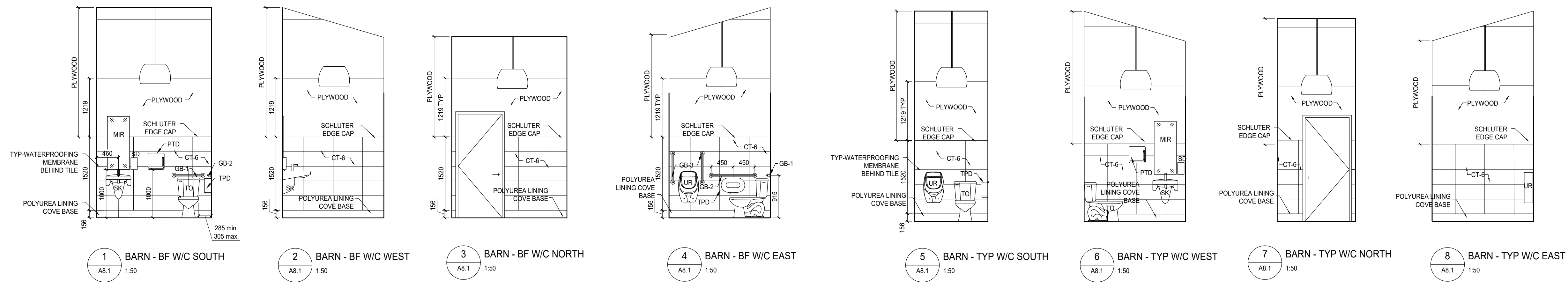
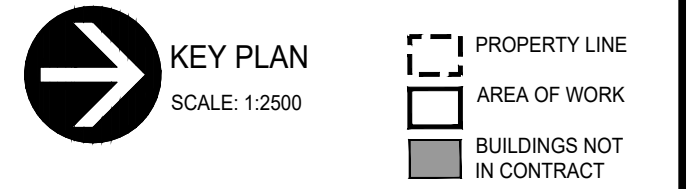
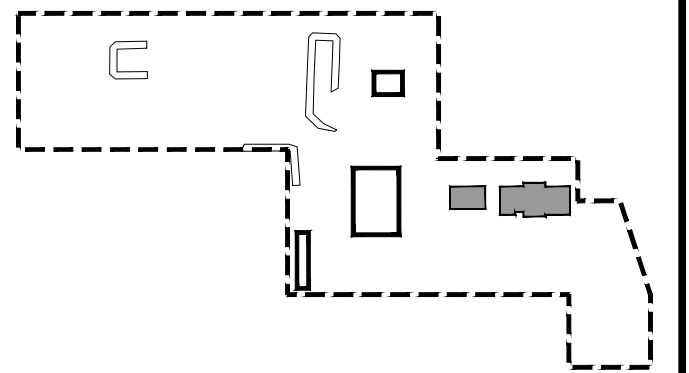
EXISTING



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		
<b>PWGC / TPSGC</b>		
ATB Place North Tower 10025 Jasper Ave, 5th Floor Edmonton, Alberta T5J 1S6		
Project title		
<b>SECTION 25, NE CORNER, TOWNSHIP ONE, RANGE 30, WEST OF THE 4TH WATERTON, ALBERTA</b>		
<b>WLNP ALPINE STABLES RECONSTRUCTION</b> <b>SADDLING BARN, BOARDING BARN, WEATHER SHELTER AND LANDSCAPE</b>		
Designed by <b>MS</b>		
Drawn by <b>RA</b>		
Approved by <b>JR</b>		
PWGC Project Manager <b>MICHAEL LYANOWSKI</b>		
Drawing title		
<b>BOARDING BARN &amp; WEATHER SHELTER SECTION DETAILS, SADDLE STATION, SADDLE TREES &amp; TACK ALLEY DETAILS</b>		
Project no. <b>R.096286.001</b>	Drawing no. <b>A7.2</b>	Revision no. <b>2</b>





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	<b>PWGS / TPSGC</b>	
Project title	<b>ATB Place North Tower 10025 Jasper Ave, 5th Floor Edmonton, Alberta T5J 1S6</b>	
Project title	<b>SECTION 25, NE CORNER, TOWNSHIP ONE, RANGE 30, WEST OF THE 4TH WATERTON, ALBERTA</b>	
Project title	<b>WLNP ALPINE STABLES RECONSTRUCTION SADDLING BARN, BOARDING BARN, WEATHER SHELTER AND LANDSCAPE</b>	
Designed by	<b>MS</b>	
Drawn by	<b>HA</b>	
Approved by	<b>JR</b>	
PWSSC Project Manager	<b>MICHAEL LYZANOWSKI</b>	
Drawing title	<b>SADDLING BARN INTERIOR ELEVATIONS AND SECTIONS</b>	
Project no.	<b>R.096286.001</b>	Drawing no. <b>A8.1</b>
		Revision no. <b>2</b>



SADDLING AND BOARDING BARN  
FINISHES SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	WALL								CEILING		NOTES
		MAT	MAT	NORTH		EAST		SOUTH		WEST		MAT	FINISH	
				MAT	FINISH	MAT	FINISH	MAT	FINISH	MAT	FINISH			
SADDLING BARN														
01	Saddling Area	CO	-	PL	CL	PL	CL	PL	CL	PL	CL	EXP	-	
03	Office	CO	-	PL	CL	PL	CL	PL	CL	PL	CL	PL	CL	
02	Washroom	CO/PLS	PLS	PL/CT	CL	PL/CT	CL	PL/CT	CL	PL/CT	CL	PL	CL	
04	Washroom	CO/PLS	PLS	PL/CT	CL	PL/CT	CL	PL/CT	CL	PL/CT	CL	PL	CL	
05	BF Washroom	CO/PLS	PLS	PL/CT	CL	PL/CT	CL	PL/CT	CL	PL/CT	CL	PL	CL	
06	Utility	CO/PLS	PLS	PL	CL	PL	CL	PL	CL	PL	CL	EXP	-	
07	Storage Area	CO	-	PL	CL	PL	CL	PL	CL	PL	CL	EXP	-	
08	Holding Pen	CO	-	PL	CL	PL	CL	PL	CL	PL	CL	EXP	-	
09	Tack Alley	CO	-	PL	CL	PL	CL	PL	CL	PL	CL	EXP	-	
BOARDING BARN														
01	Boarding Stall	CO	-	PL	CL	PL	CL	PL	CL	PL	CL	EXP	-	
02	Boarding Stall	CO	-	PL	CL	PL	CL	PL	CL	PL	CL	EXP	-	
03	Boarding Stall	CO	-	PL	CL	PL	CL	PL	CL	PL	CL	EXP	-	
04	Tack Room	CO	-	PL	CL	PL	CL	PL	CL	PL	CL	EXP	-	
05	Corridor	CO	-	PL	CL	PL	CL	PL	CL	PL	CL	EXP	-	

ABBREVIATIONS

CL CLEAR COAT  
CO CONCRETE  
EXP EXPOSED  
PL PLYWOOD  
PLS POLYUREA LINING SYSTEM

GENERAL FINISHES NOTES

- ALL CONCRETE FLOORS TO BE SEALED AS NECESSARY.
- PLYWOOD ON WALLS TO BUTT UP TO CONCRETE UNLESS OTHERWISE NOTED.
- REFER TO ELEVATIONS AND DETAILS FOR EXACT LOCATIONS.
- PROVIDE COLOUR OPTIONS OF POLYUREA LINING SYSTEM TO ARCHITECT FOR APPROVAL.
- ALL PLYWOOD TO BE ½" X 4' X 8' BIRCH, A-D FINISH GRADE ON SIDE C/W CLEAR COAT.
- ALL AREAS INDICATED TO RECEIVE POLYUREA LINING OVER CONCRETE FLOORING TO RECEIVE 6" POLYUREA LINING COVE BASE TO MATCH.

GENERAL DOOR NOTES

- ALL DOORS TO BE STAINED OR PAINTED AS PER SPECIFICATIONS.



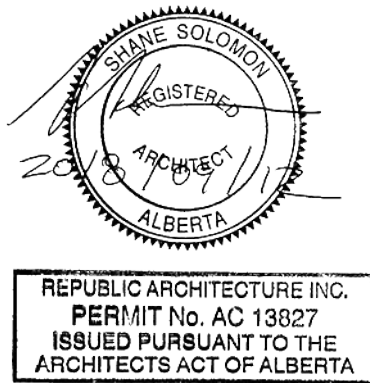
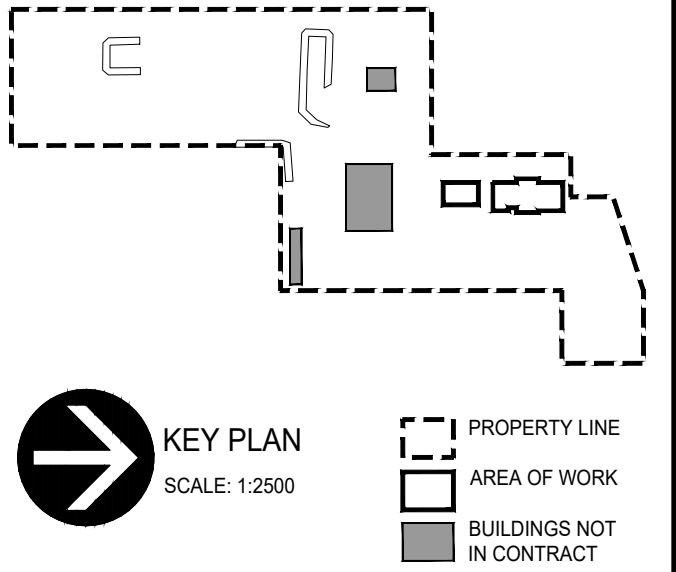
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2	Issued for Construction	2018 09 12
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Revision	Description	Date

Client

PWGC / TPSGC

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

Project title

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

WLNP ALPINE STABLES RECONSTRUCTION  
SADDLING BARN, BOARDING BARN  
WEATHER SHELTER AND LANDSCAPE

Designed by  
MS

Drawn by  
HA

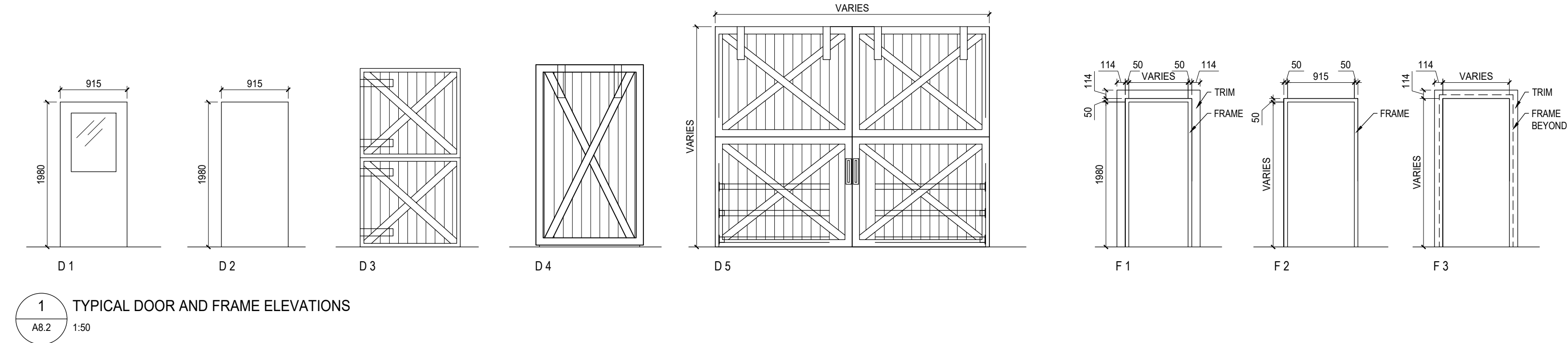
Approved by  
JR

PWGC Project Manager  
MICHAEL LYZANIWSKI

Drawing title

SADDLING BARN AND BOARDING BARN  
FINISHES SCHEDULE AND  
INTERIOR DOOR ELEVATIONS

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





AB	AT (SPACING)	GA	GAUGE	REV	REVISION, REVISED
AG	ANCHOR BOLT	GA	GALVANIZED	RO	ROUGH OPENING
ADJ	ADJUSTABLE	GEN	GENERAL	R/W	REINFORCE WITH
AFB	ABOVE FINISHED FLOOR	GR	GRADE	SCHED	SCHEDULE
ALT	ALTERNATE	GRAN	GRANULAR	SECT	SECTION
ARCH	ARCHITECT, ARCHITECTURAL	H	HIGH	SIM	SIMILAR
ROT, B	BOTTOM	H	HORIZONTAL FORCE (UNFACTORED)	SJ	SLUIT JOIST
B PL	BASE PLATE	HC	HOLLOW CORE	S1E	STRUT ONE END
BC	BOTTOM CHORD	HEX	HEXAGON	SL	SLAB
BD	BOARD	HORIZ	HORIZONTAL	SOG	SLAB ON GRADE
BTWN	BETWEEN	HF	HORIZONTAL FORCE (FACTORED)	SPEC	SPECIFICATIONS
BLDG	BUILDING	HM	HOLLOW METAL	SPF	SPRUCE-PINE-FIR
BLK	BLOCK	HP	HIGH POINT	SO	SQUARE
BLLL	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
C	CENTRE LINE	KLW	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	TYM	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	CONCRETE	M	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	MARK	MARK	X-BRACE	CROSS BRACING
ø, DIA	DIAMETER	MO	MASONRY OPENING		
DIAG	DIAGONAL	MOM	MOMENT		
DIM	DIMENSION	MPa	MEGAPASCAL		
DIR	DIRECTION	NIC	NOT IN CONTRACT		
DL	DEAD LOAD	NF	NEAR FACE		
DN	DOWN	NO	NUMBER		
DP	DEEP	NOM	NOMINAL		
DR	DOOR	NTS	NOT TO SCALE		
DFIR	DOUGLAS FIR	N-S	NORTH-SOUTH		
DWG	DRAWING(S)	NS	NELSON STUD		
DWL	DOWEL(S)	O/C	ON CENTRE		
EA	EACH	OD	OUTSIDE DIAMETER		
EE	EACH END	O/O	OUT TO OUT		
EF	EACH FACE	O/F	OUTSIDE FACE		
EJ	EXPANSION JOINT	OH	OVERHEAD		
EL	ELEVATION	OPNG	OPENING		
ELEV	ELEVATOR	OWSJ	OPEN WEB STEEL JOIST		
ELEC	ELECTRICAL	Pa	PASCAL		
ENG	ENGINEER	PC	PRECAST		
EQU	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				

MARK	DESCRIPTION
B1	INTENTIONALLY OMITTED
B2	INTENTIONALLY OMITTED
B3	3-PLY 44x235 2.0E LVL <u>NOTE:</u> BEAM TO BE COVERED ON EXTERIOR AS REQUIRED TO PROTECT FROM MOISTURE
B4	INTENTIONALLY OMITTED
B5	3-PLY 38x235 PT
B6	INTENTIONALLY OMITTED
B7	4-PLY 44x235 2.0E LVL <u>NOTE:</u> BEAM TO BE COVERED ON EXTERIOR AS REQUIRED TO PROTECT FROM MOISTURE

MARK	DESCRIPTION
C1	140x140 PT WOOD COLUMN
C2	<div style="border: 1px solid black; padding: 10px; display: inline-block;">           INTENTIONALLY OMITTED         </div>
C3	3-38x184 SPF #2 BUILT-UP STUD IN WALL

MARK	DESCRIPTION
HD1	<p>100 WIDE x 6.4 THK BENT PLATE</p> <p>Technical drawing of a bent plate (HD1) with a total width of 100. The plate is bent into a U-shape. The top flange has a width of 50. The bottom flange has a width of 50. The plate thickness is 6.4. The drawing shows two views: a front view and a side view. The front view shows the plate bent into a U-shape with a total width of 100. The side view shows the plate bent into a U-shape with a total width of 100. The drawing includes dimensions for the plate width, flange width, and plate thickness. The drawing also includes specifications for the plate material and the fasteners used.</p> <p>3-13# GALV THRU BOLTS C/W OVERSIZED WASHERS SPACED AS SHOWN INTO MIN 3 PLY BUILT-UP SPF #2 WOOD STUD</p> <p>2-19# GALV ADHESIVE ANCHORS WITH MIN 171 EMBED INTO CONCRETE SPACED AS SHOWN</p> <p>50 175 50 255 50 100</p>
HD2	<p>150 WIDE x 6.4 THK BENT PLATE</p> <p>Technical drawing of a bent plate (HD2) with a total width of 150. The plate is bent into a U-shape. The top flange has a width of 75. The bottom flange has a width of 75. The plate thickness is 6.4. The drawing shows two views: a front view and a side view. The front view shows the plate bent into a U-shape with a total width of 150. The side view shows the plate bent into a U-shape with a total width of 150. The drawing includes dimensions for the plate width, flange width, and plate thickness. The drawing also includes specifications for the plate material and the fasteners used.</p> <p>8-13# GALV THRU BOLTS C/W OVERSIZED WASHERS SPACED AS SHOWN INTO MIN 3 PLY BUILT-UP SPF #2 WOOD STUD</p> <p>2-19# GALV ADHESIVE ANCHORS WITH MIN 225 EMBED INTO CONCRETE SPACED AS SHOWN</p> <p>50 175 50 255 75 75 150</p>

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
SA (1.0) = 0.122	RD = 3.0
SA (2.0) = 0.273	RO = 1.7
SA (0.2)FAE = 0.273	TA = 0.317 SEC
PGA = 0.152	

B) WIND DESIGN PARAMETERS:

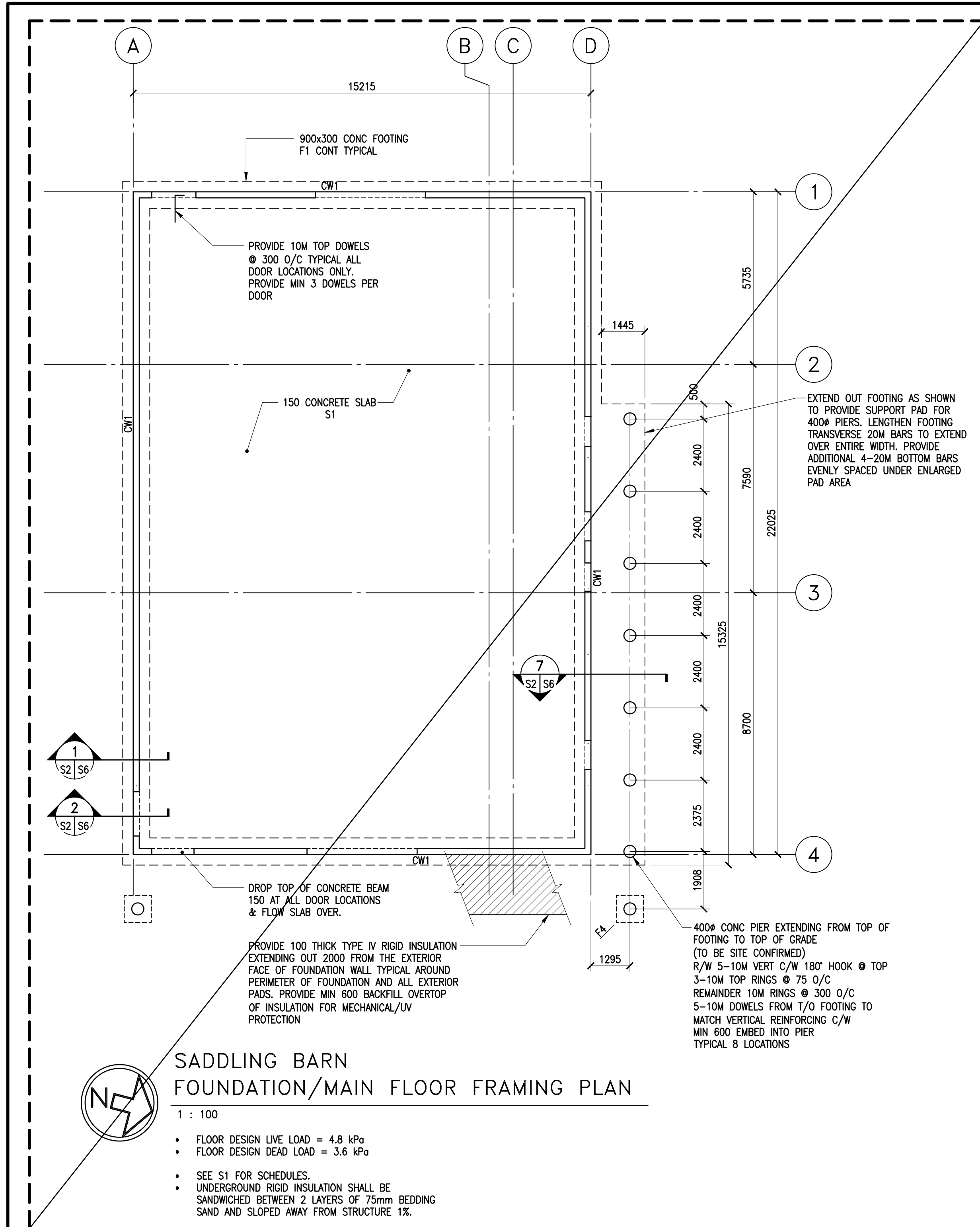
CE, CG AND CP ARE BASED ON NBCC CL. 4.1.7

Q50 = 1.58 KPA, LW = 1.25 ULS, 0.75 SLS

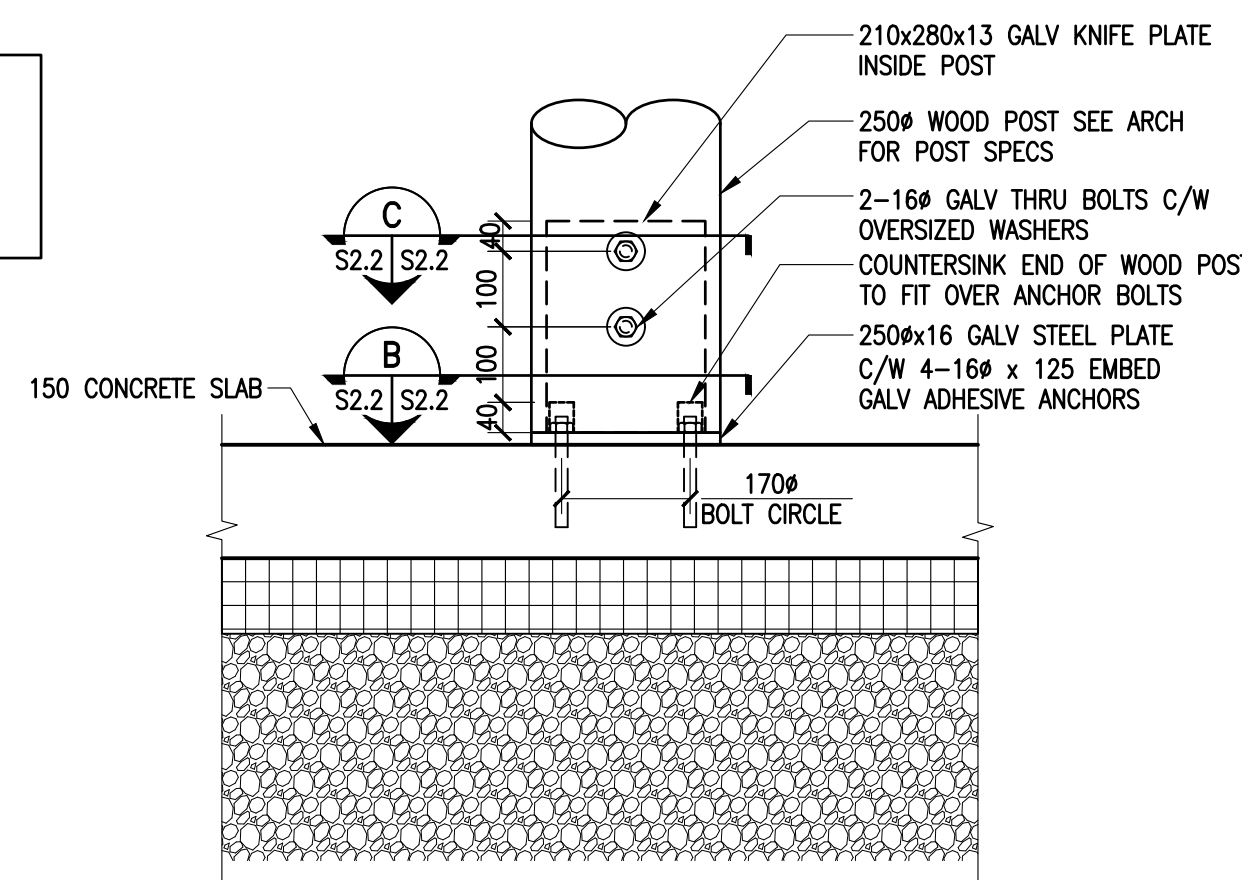
MARK	DESCRIPTION
W1	38x184 SPF #2 STUDS @ 300 O/C MAX C/W TRIPLE 38x184 SPF TOP PLATE SINGLE 38x184 PT BOTTOM PLATE 13 PLYWOOD SHEATHING ON EXTERIOR 38x184 SPF #2 BLOCKING @ 1200 O/C MAX TO PROVIDE BACKING AT ALL PLYWOOD PANEL EDGES FASTEN PLYWOOD TO STUDS WITH 3.33ø x 63 mm LG NAILS @ 75 O/C AROUND PLYWOOD PANEL EDGES @ 300 O/C IN THE FIELD
W2	38x140 SPF #2 STUDS @ 400 O/C MAX C/W DOUBLE 38x140 SPF TOP PLATE SINGLE 38x140 PT BOTTOM PLATE 13 PLYWOOD SHEATHING ON EXTERIOR 38x140 SPF #2 BLOCKING @ 1200 O/C MAX TO PROVIDE BACKING AT ALL PLYWOOD PANEL EDGES FASTEN PLYWOOD TO STUDS WITH 3.33ø x 63 mm LG NAILS @ 75 O/C AROUND PLYWOOD PANEL EDGES @ 300 O/C IN THE FIELD
W3	<div>INTENTIONALLY OMITTED</div>
W4	38x140 PT STUDS @ 400 O/C MAX C/W DOUBLE 38x140 PT TOP PLATE SINGLE 38x140 PT BOTTOM PLATE 13 PT PLYWOOD SHEATHING ON EXTERIOR 38x140 PT BLOCKING @ 1200 O/C MAX TO PROVIDE BACKING AT ALL PLYWOOD PANEL EDGES FASTEN PLYWOOD TO STUDS WITH 3.33ø x 63 mm LG GALV/STAINLESS STEEL NAILS @ 75 O/C AROUND PLYWOOD PANEL EDGES @ 300 O/C IN THE FIELD
W5	<div>INTENTIONALLY OMITTED</div>
W6	44x184 SPF 2.0E LVL STUDS @ 300 O/C MAX C/W TRIPLE 38x184 SPF TOP PLATE SINGLE 38x184 PT BOTTOM PLATE 13 PLYWOOD SHEATHING ON EXTERIOR 38x184 SPF #2 BLOCKING @ 1200 O/C MAX TO PROVIDE BACKING AT ALL PLYWOOD PANEL EDGES FASTEN PLYWOOD TO STUDS WITH 3.33ø x 63 mm LG NAILS @ 75 O/C AROUND PLYWOOD PANEL EDGES @ 300 O/C IN THE FIELD

MARK	DESCRIPTION
L1	3-PLY 38x235 SPF #2 2-38x184 SPF #2 JACK STUDS 1-38x184 SPF #2 KING STUDS
L2	2-PLY 38x235 SPF #2 1-38x140 SPF #2 JACK STUDS 1-38x140 SPF #2 KING STUDS
L3	3-PLY 38x235 SPF #2 2-38x184 SPF #2 JACK STUDS 5-44x184 2.0E LVL KING STUDS 5-38x140 SPF #2 PLATES ON TOP OF LINTEL (WIND BEAM)
L4	INTENTIONALLY OMITTED
L5	INTENTIONALLY OMITTED
L6	INTENTIONALLY OMITTED
L7	3-PLY 38x235 SPF #2 2-38x140 SPF #2 JACK STUDS 2-38x140 SPF #2 KING STUDS
L8	3-PLY 38x235 SPF #2 1-38x184 SPF #2 JACK STUD 2-44x184 2.0E LVL KING STUDS

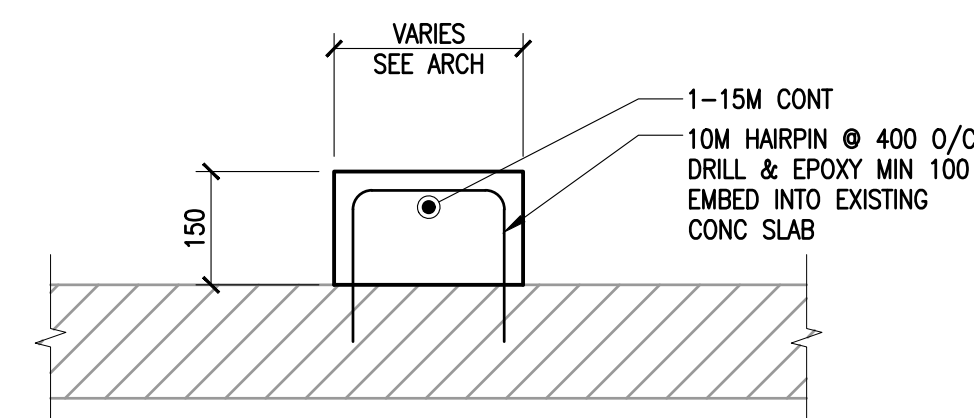
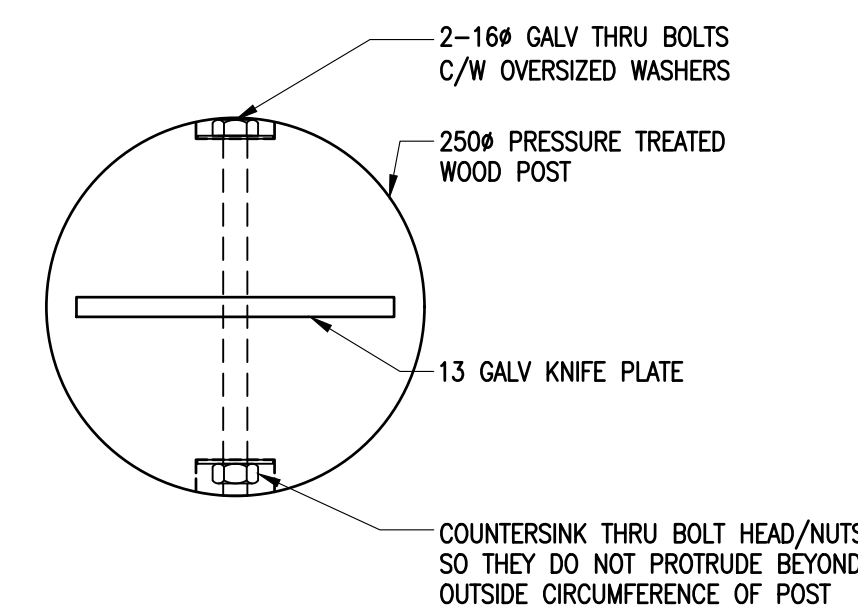
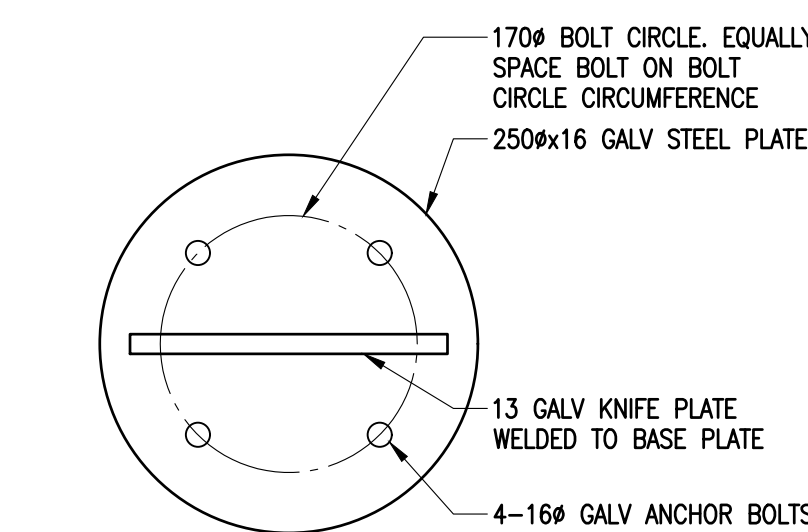




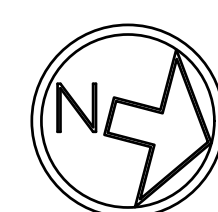
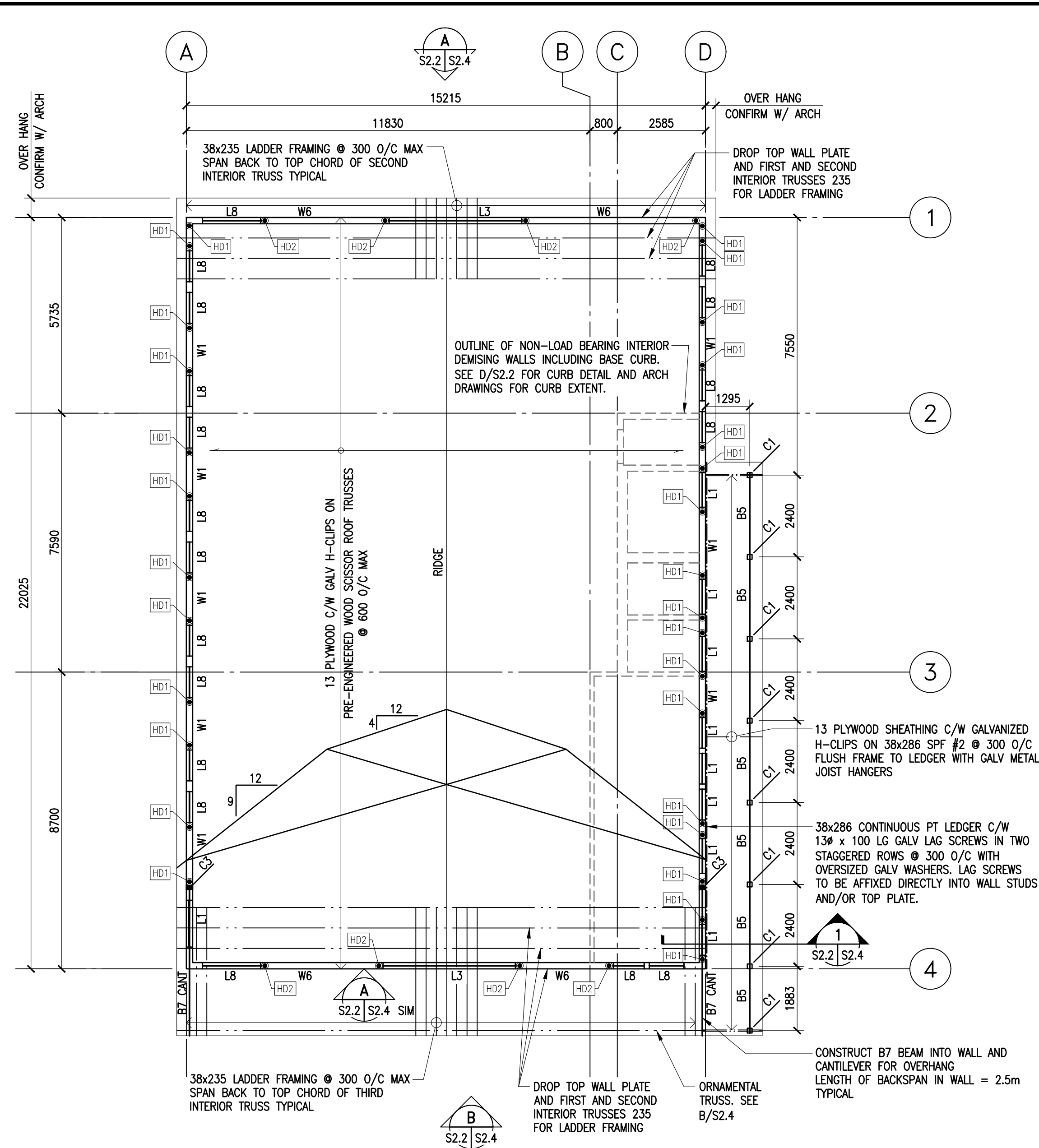
FOUNDATION/MAIN FLOOR FRAMING PLAN & RELATED DETAILS N.I.C. SHOWN FOR REFERENCE ONLY



• REFER TO ARCH FOR ALL POST LOCATIONS



• REFER TO ARCH FOR ALL CURB LOCATIONS



## SADDLING BARN ROOF FRAMING PLAN

- ROOF DESIGN SNOW LOAD = 3.8 kPa
- ROOF DESIGN DEAD LOAD = 0.72 kPa
- SEE S2.1 FOR SCHEDULES



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  
SADDLING BARN, BOARDING BARN,  
WEATHER SHELTER AND LANDSCAPE**

Designed by  
**AJG**

Drawn by  
**JLP/MPP**

Approved by  
**BF**

PWGSC Project Manager  
**MICHAEL LYZANIWSKI**

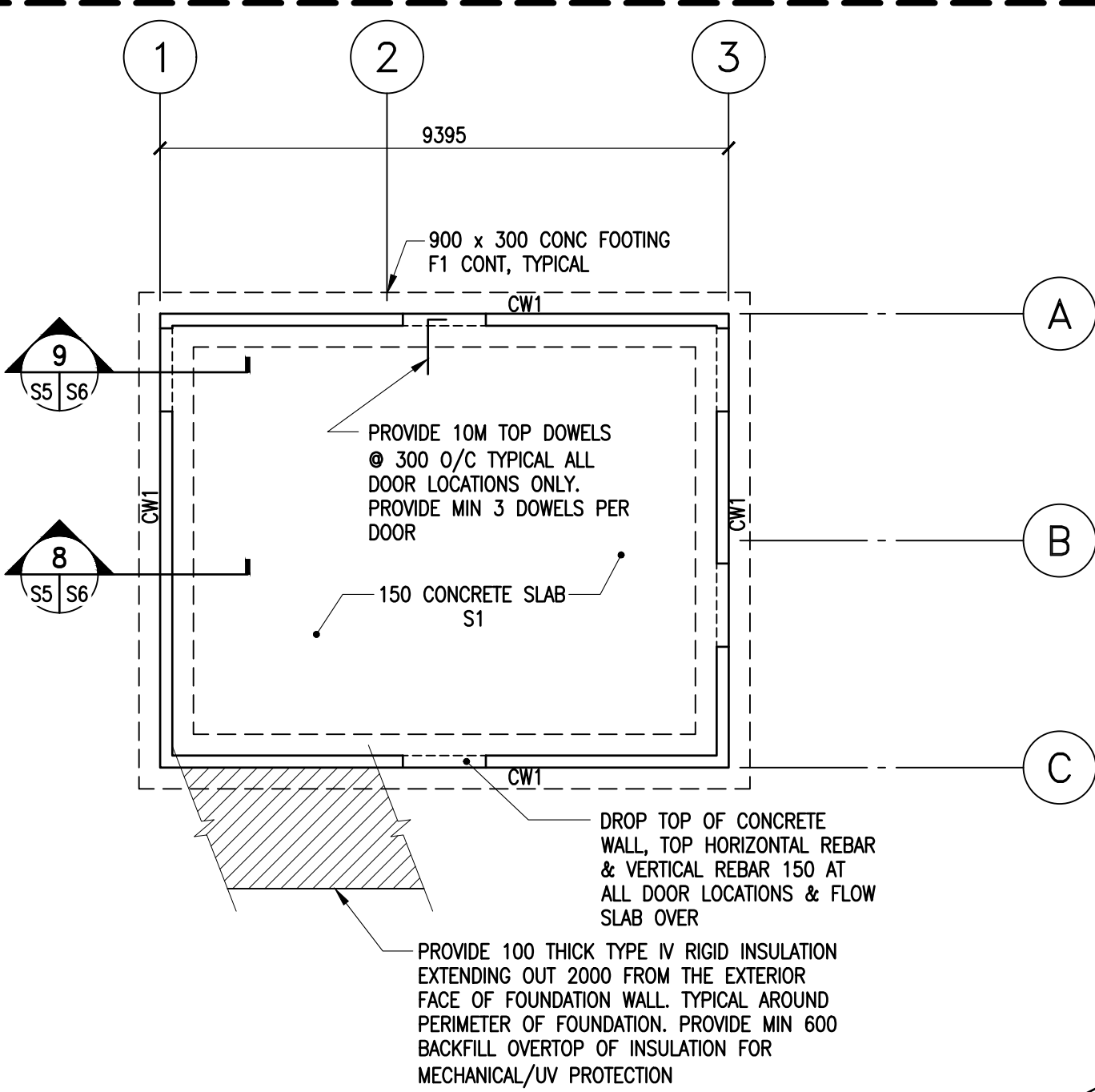
Drawing title  
**SADDLING BARN FRAMING PLANS**

Project no.	Drawing no.	Revision no.
<b>R.096286.001</b>	<b>S2.2</b> OF	<b>0</b>





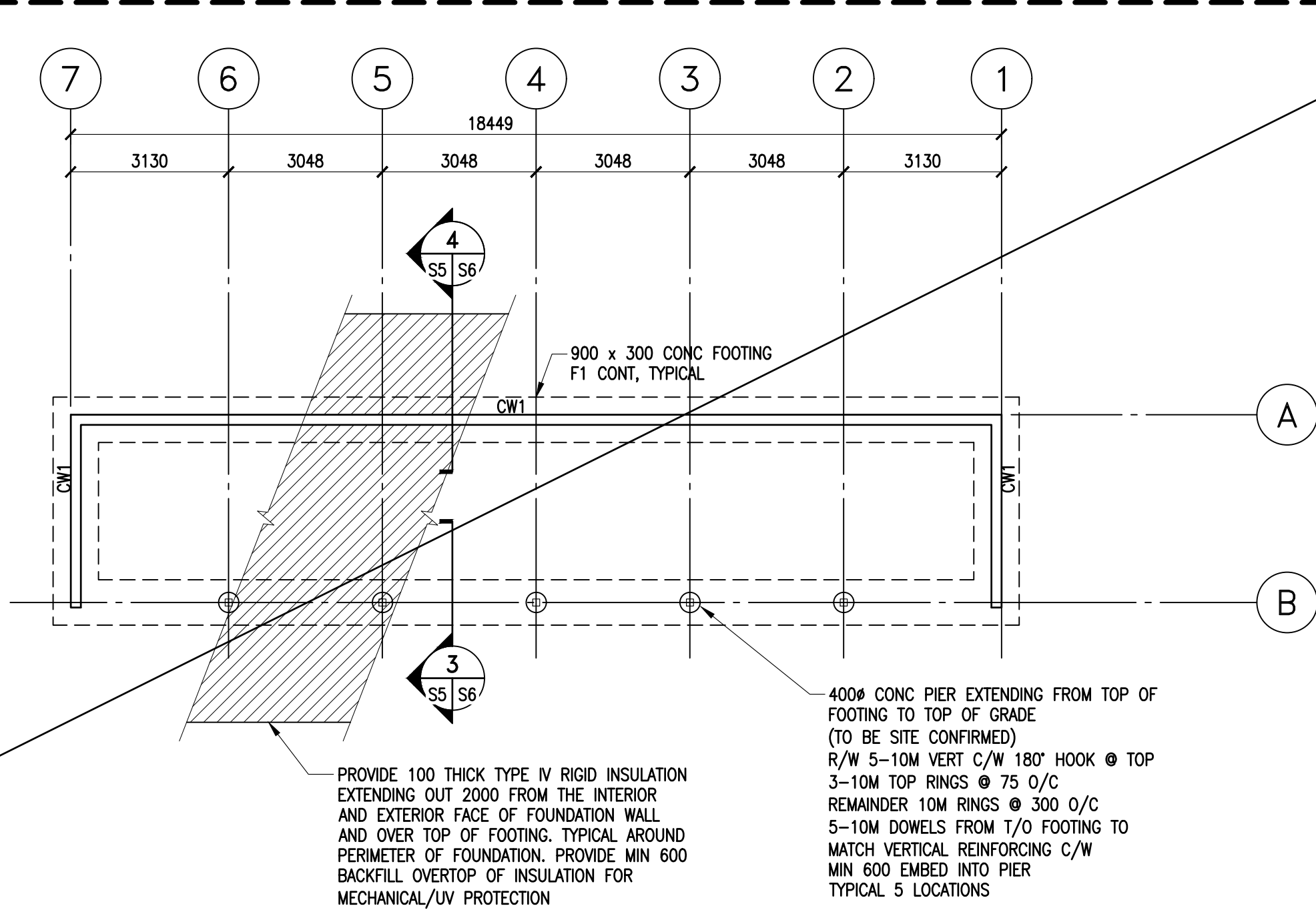
FOUNDATION PLAN & RELATED  
DETAILS N.I.C. SHOWN FOR  
REFERENCE ONLY



### BOARDING BARN FOUNDATION/MAIN FLOOR FRAMING PLAN

1 : 100

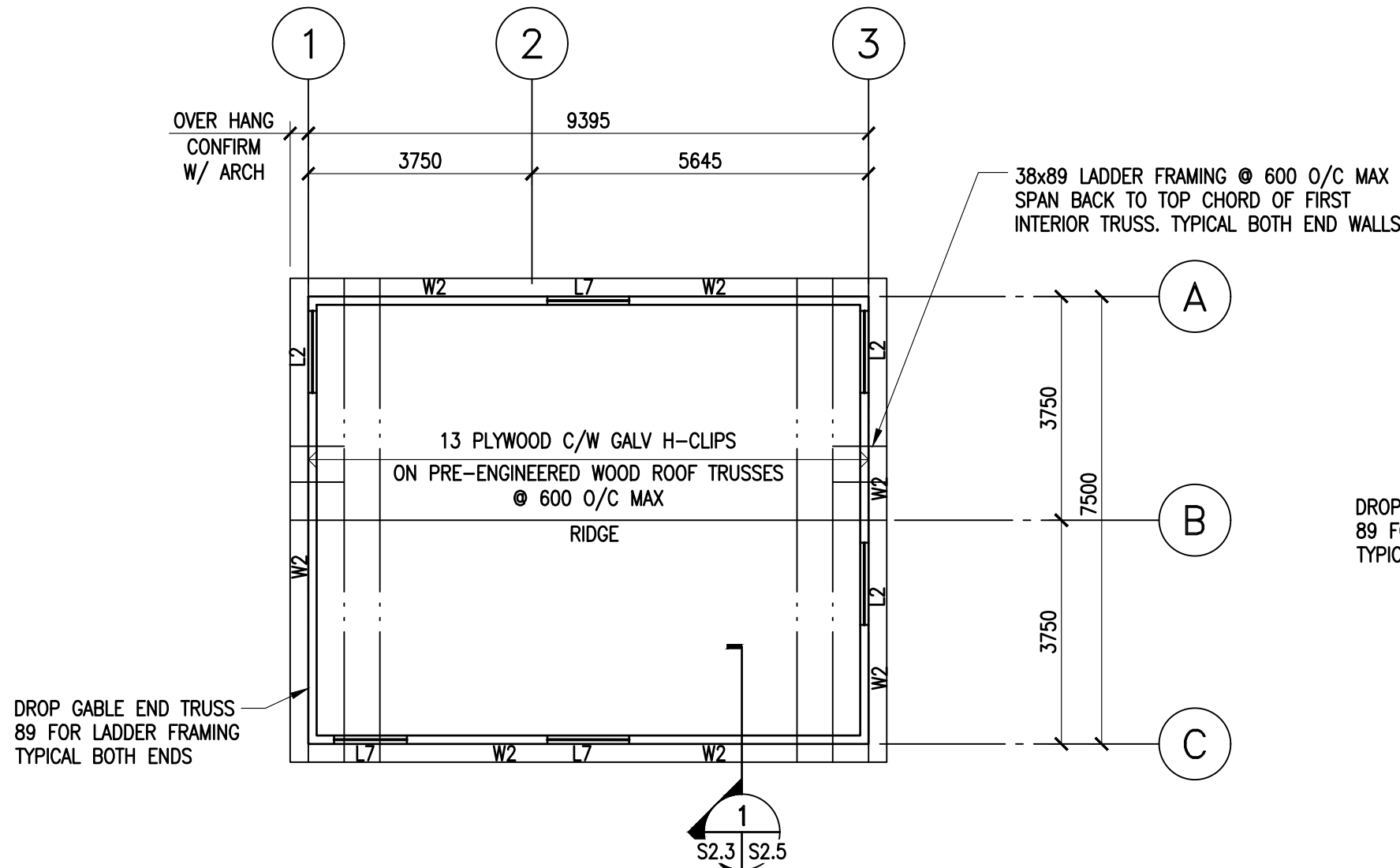
- FLOOR DESIGN LIVE LOAD = 4.8 kPa
- FLOOR DESIGN DEAD LOAD = 3.6 kPa
- DESIGN BEARING PRESSURE = 250 kPa ( $\theta=0.5$ )
- TOP OF CONCRETE BEAM CB1 TO BE MIN 150 ABOVE FLOOR/EXTERIOR GRADE U/N.
- SEE S1 FOR SCHEDULES.
- EXTERIOR UNDERGROUND RIGID INSULATION SHALL BE SANDWICHED BETWEEN 2 LAYERS OF 75mm BEDDING SAND AND SLOPED AWAY FROM STRUCTURE 1%.



### WEATHER SHELTER FOUNDATION/MAIN FLOOR FRAMING PLAN

1 : 100

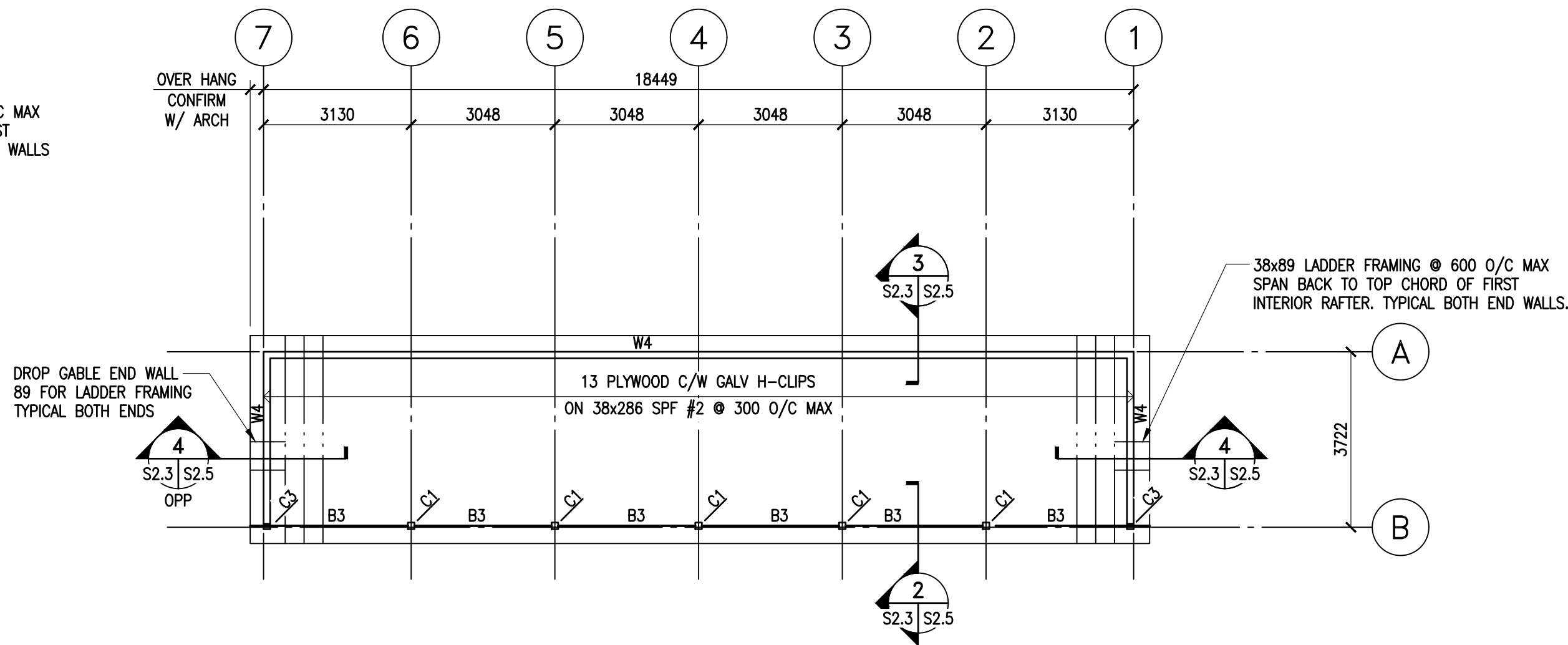
- FLOOR DESIGN LIVE LOAD = 4.8 kPa
- FLOOR DESIGN DEAD LOAD = 3.6 kPa
- DESIGN BEARING PRESSURE = 250 kPa ( $\theta=0.5$ )
- NO CONCRETE SLAB REQUIRED, REFER TO ARCH FOR FLOOR FINISH
- TOP OF CONCRETE BEAM CB1 TO BE MIN 150 ABOVE FLOOR/EXTERIOR GRADE
- SEE S1 FOR SCHEDULES.
- EXTERIOR UNDERGROUND RIGID INSULATION SHALL BE SANDWICHED BETWEEN 2 LAYERS OF 75mm BEDDING SAND AND SLOPED AWAY FROM STRUCTURE 1%.



### BOARDING BARN ROOF FRAMING PLAN

1 : 100

- ROOF DESIGN LIVE LOAD = 3.8 kPa
- ROOF DESIGN DEAD LOAD = 0.72 kPa
- SEE S2.1 FOR SCHEDULES



### WEATHER SHELTER ROOF FRAMING PLAN

1 : 100

- ROOF DESIGN LIVE LOAD = 3.8 kPa
- ROOF DESIGN DEAD LOAD = 0.72 kPa
- SEE S2.1 FOR SCHEDULES

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

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RANGE 30, WEST OF THE 4TH  
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SADDLING BARN, BOARDING BARN,  
WEATHER SHELTER AND LANDSCAPE

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Approved by  
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PWGSC Project Manager  
MICHAEL LYZANIWSKI

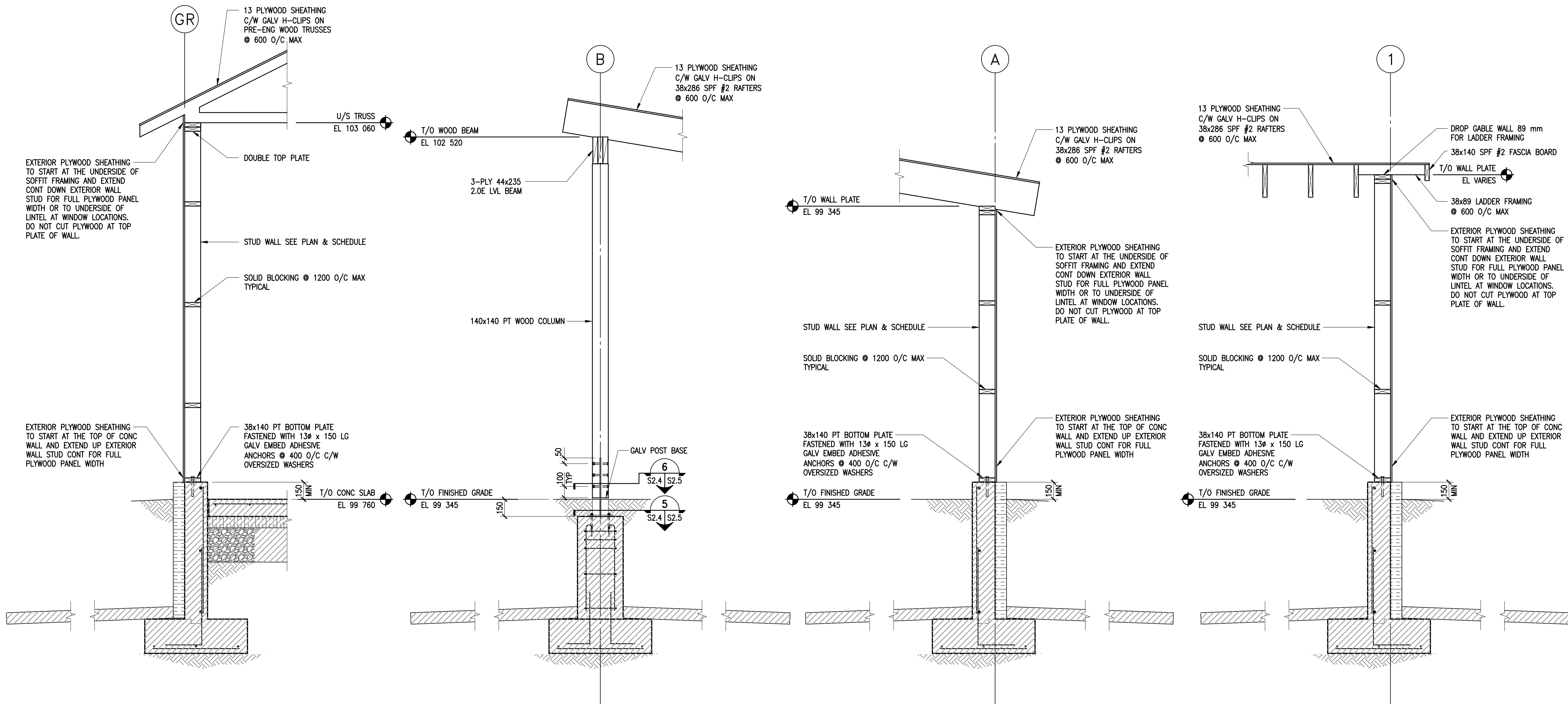
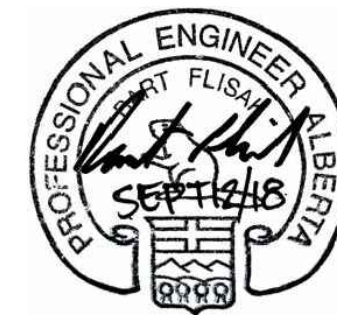
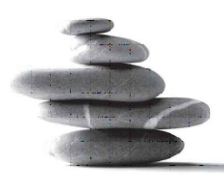
Drawing title  
BOARDING BARN  
WEATHER SHELTER  
FRAMING PLANS

Project no.	Drawing no.	Revision no.
R.096286.001	S2.3 OF	0







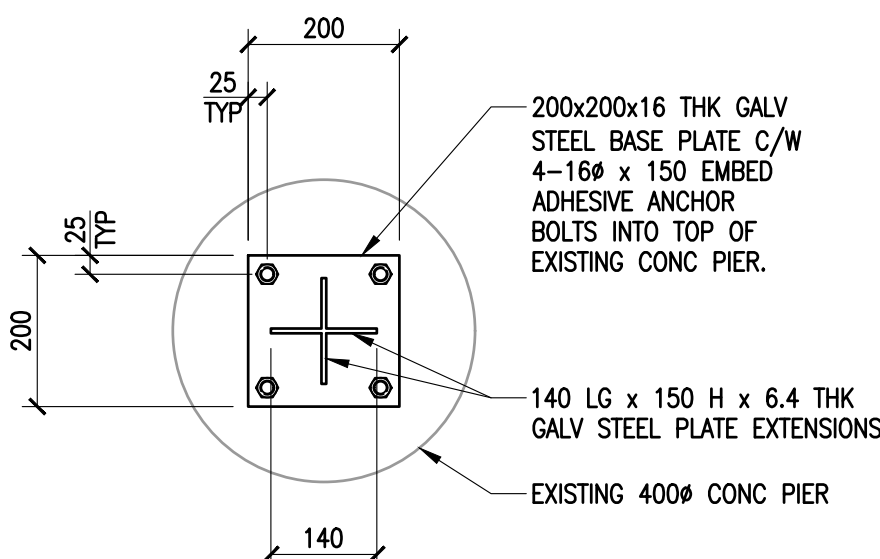


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S2.3 S2.5 1 : 20

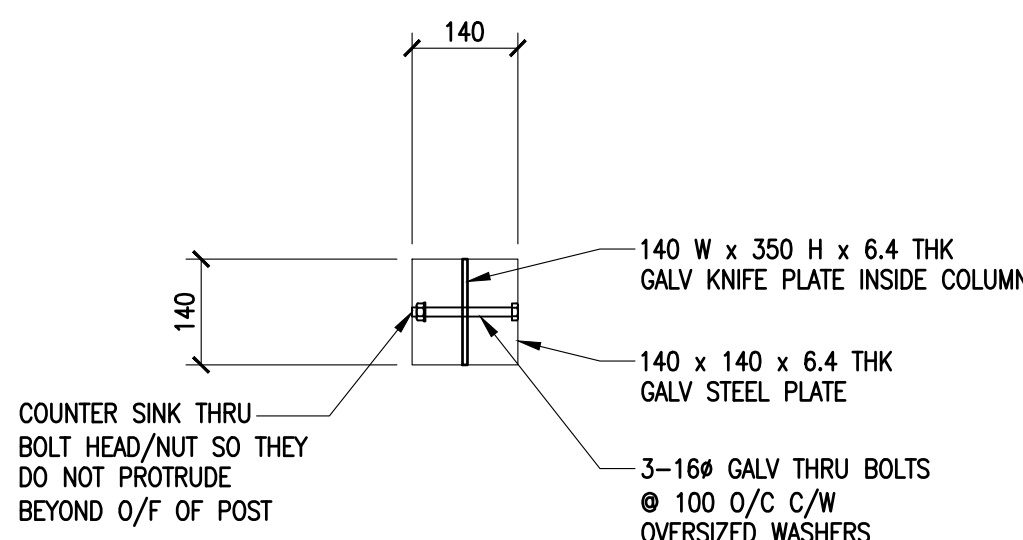
2 SECTION  
S2.3 S2.5 1 : 20

3 SECTION  
S2.3 S2.5 1 : 20

4 SECTION  
S2.3 S2.5 1 : 20



5 SECTION DETAIL  
S2.4 S2.5 1:10



6 SECTION DETAIL  
S2.4 S2.5 1:10

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

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WEATHER SHELTER AND LANDSCAPE

Designed by

AJG

Drawn by

JLP/MPP

Approved by

BF

PWGSC Project Manager

MICHAEL LYZANIWSKI

Drawing title

SECTIONS & SECTION DETAILS

Project no.

R.096286.001

Drawing no.

S2.5

OF

Revision no.

0



DRAWING LIST

- M0DRAWING LIST, SYMBOL LEGEND, SCHEDULES AND DETAILS
- M1SADDLING BARN AND BOARDING BARN FLOOR PLANS - PLUMBING AND HVAC

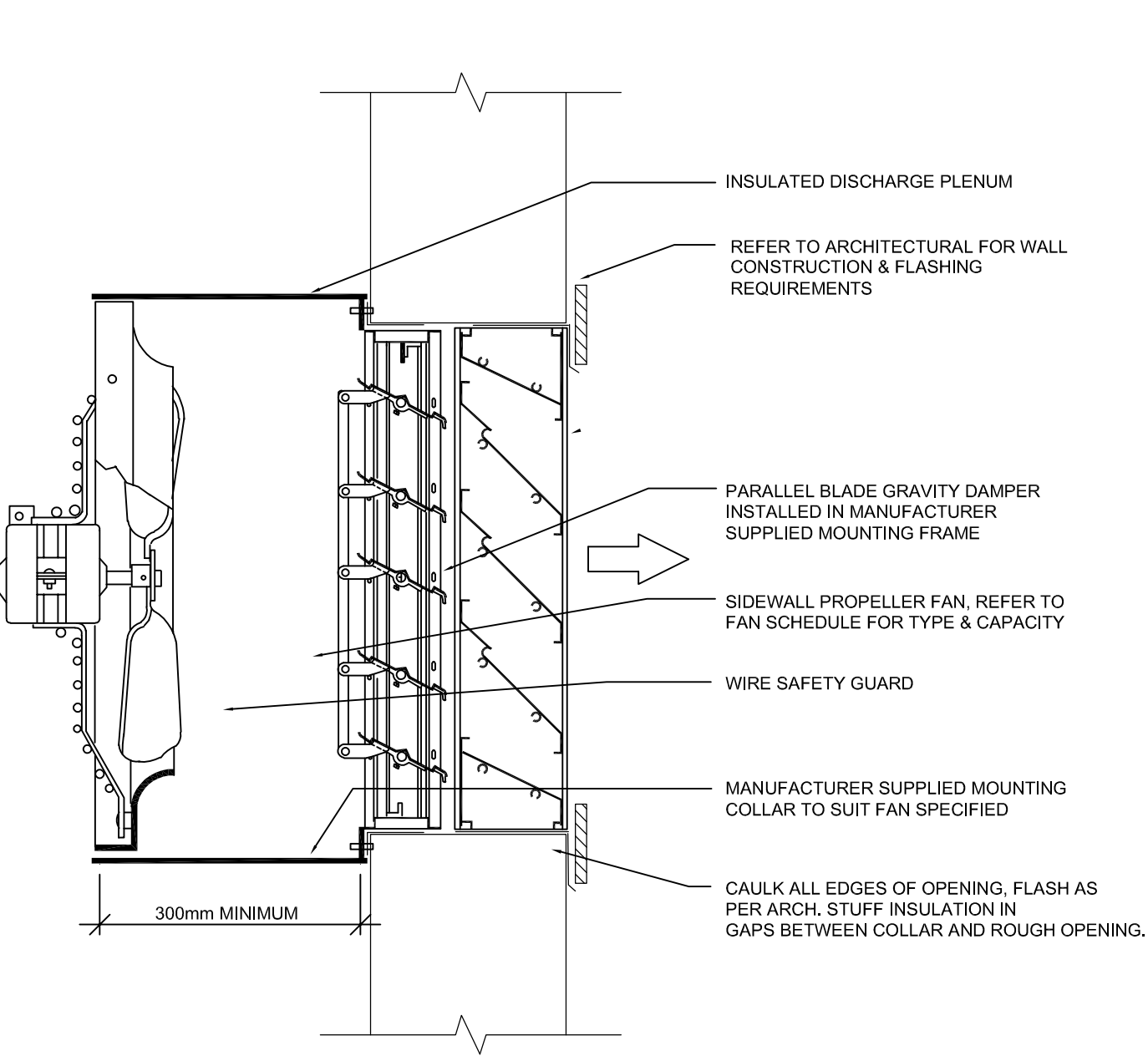
PLUMBING LEGEND	
	SANITARY WASTE ABOVE FLOOR OR GRADE
	SANITARY WASTE BELOW FLOOR OR GRADE
	VENT LINE
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	SHUT-OFF VALVE
	CHECK VALVE
	NATURAL GAS VALVE
	BACKFLOW PREVENTER
	GAS METER
	PUMP
	VENT THRU ROOF
	FLOOR DRAIN
	CLEANOUT
	PRESSURE REGULATING VALVE
	VENT THRU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

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

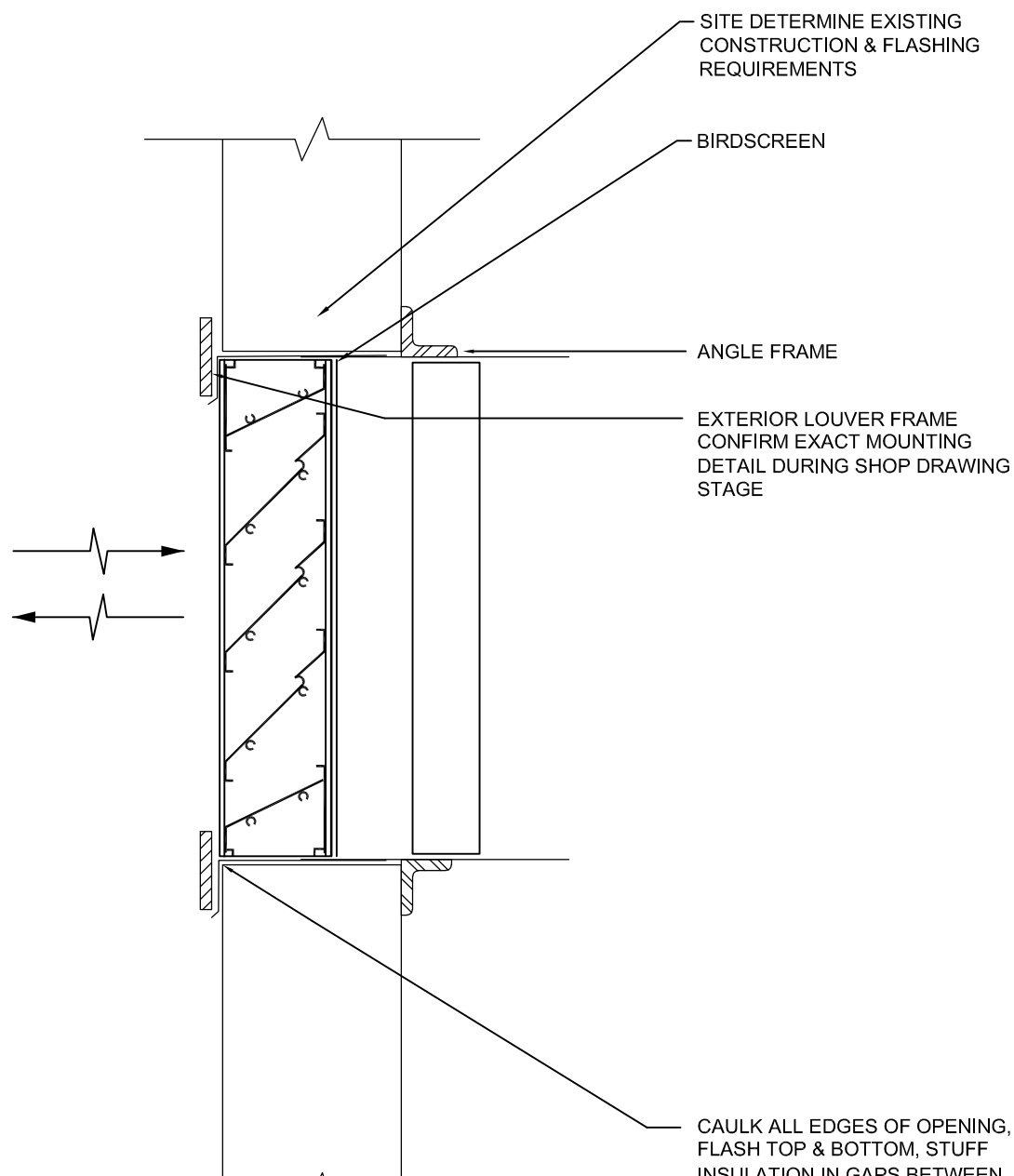
\* PLEASE NOTE \*

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

ALL EQUIPMENT SHOWN "DASHED" IS EXISTING TO BE DEMOLISHED.



1  
M1  
SCALE: N.T.S.  
SIDEWALL PROPELLER FAN



2  
M1  
SCALE: N.T.S.  
LOUVRE ASSEMBLY

Grilles, Registers and Diffusers									
TYPE	Material	MODEL	BOR- DER	CORE	VOLUME CONT.	FRAME	FASTNG.	FINISH	REMARKS
A	Steel	Louvered Supply	Flat	-	-	-	Screw	Black	Double Deflection Refer to DWG for sizes
B	Steel	Eggcrate Return	Flat	-	-	-	Screw	White	Refer to DWG for sizes
C	Steel	Louvered Return	Flat	-	-	-	Screw	Black	45° 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	Electric	5,123 1.5	5,123 1.5	1	6 23	14.3 394	14.3 362	

Heat Recovery Ventilator						
NO.	MODEL	EXHAUST AIR FLOW cfm l/s	OUTSIDE AIR FLOW cfm l/s	EXTERNAL STATIC PRESSURE "W.C.(Pa)	EFFCTIVENESS %	ACCESSORIES
HRV-1	-	299 141	299 141	0.5 125	60	Vibration isolation, 6" ports Plug in power

Electric Heating Coils							
NO.	CAPACITY (kW)	LOCATION	SIZE IN MM	AIR VOL. (cfm) (l/s)	TEMP. (°F) (°C)	REMARK	
EHC 1	5.0	Refer to drawing	8 x 8 200 x 200	299 141	-30.0 -34.4	23.0 -5.0	SCR c/w duct thermostat

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	Exhaust Fan	Direct Drive Sidewall Mounted Propeller Fan	Barn Area	307 650	125 0.50	1750	N/A	N/A	0.19 0.25	
CF-1	Ceiling Fan	Ceiling Fan	Barn Area	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	Barn Area	N/A	N/A	44 - 141	N/A	N/A	0.10 0.13	Ceiling mounted fan c/w wall speed controller
CF-3	Ceiling Fan	Ceiling Fan	Barn Area	N/A	N/A	44 - 141	N/A	N/A	0.10 0.13	Ceiling mounted fan c/w wall speed controller
CF-4	Ceiling Fan	Ceiling Fan	Barn Area	N/A	N/A	44 - 141	N/A	N/A	0.10 0.13	Ceiling mounted fan c/w wall speed controller

Louvres				
TYPE	MANUFACTURER	MODEL	FINISH	REMARKS
L-1	-	35" Blade 6" Depth	Black	Birdscreen

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

Client

PWGSC / TPSGC

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

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

WLNP ALPINE STABLES RECONSTRUCTION  
SADDLING BARN AND  
BOARDING BARN

Designed by  
JRB

Drawn by  
IE

Approved by  
JRB

PWGSC Project Manager  
MICHAEL LYZANIEWSKI

Drawing title  
DRAWING LIST,  
SYMBOL LEGEND,  
SCHEDULES AND  
DETAILS

Project no.	Drawing no.	Revision no.
R.096286.001	M0 OF 2	3



- ### 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.
- D. BELOW SLAB PLUMBING WILL BE INSTALLED UNDER THE FOUNDATIONS PACKAGE.

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18-123-01



**SMS**  
ENGINEERING



12 SEPT 2018

Revision	Description	Date
3	ISSUED FOR CONSTRUCTION	2018 09 12
2	ISSUED FOR 99% REVIEW	2018 08 21
1	ISSUED FOR 90% PRICING	2018 08 08
0	ISSUED FOR 60% REVIEW	2018 07 26

Client

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RANGE 30, WEST OF THE 4TH  
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SADDLING BARN AND  
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Designed by  
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IE

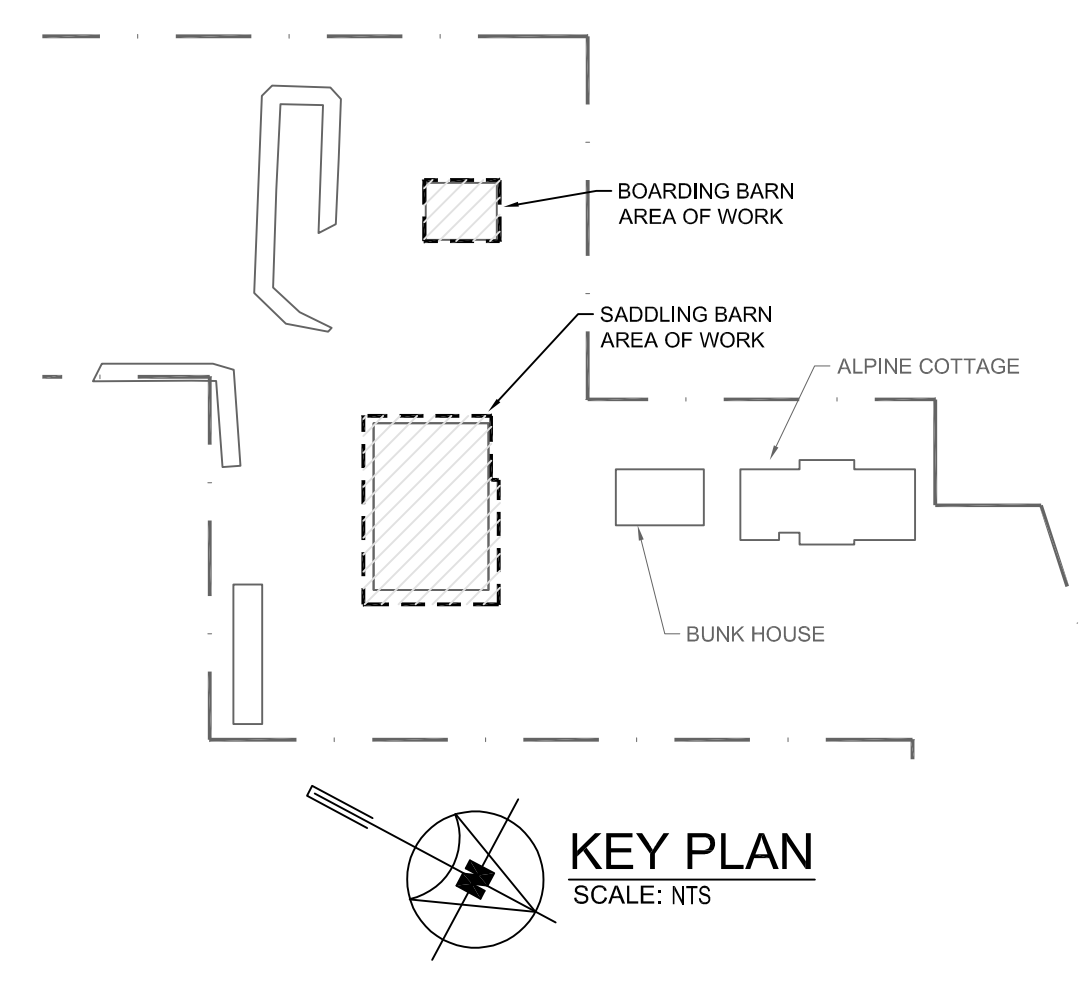
Approved by  
JRB

PWGSC Project Manager  
MICHAEL LYZANIEWSKI

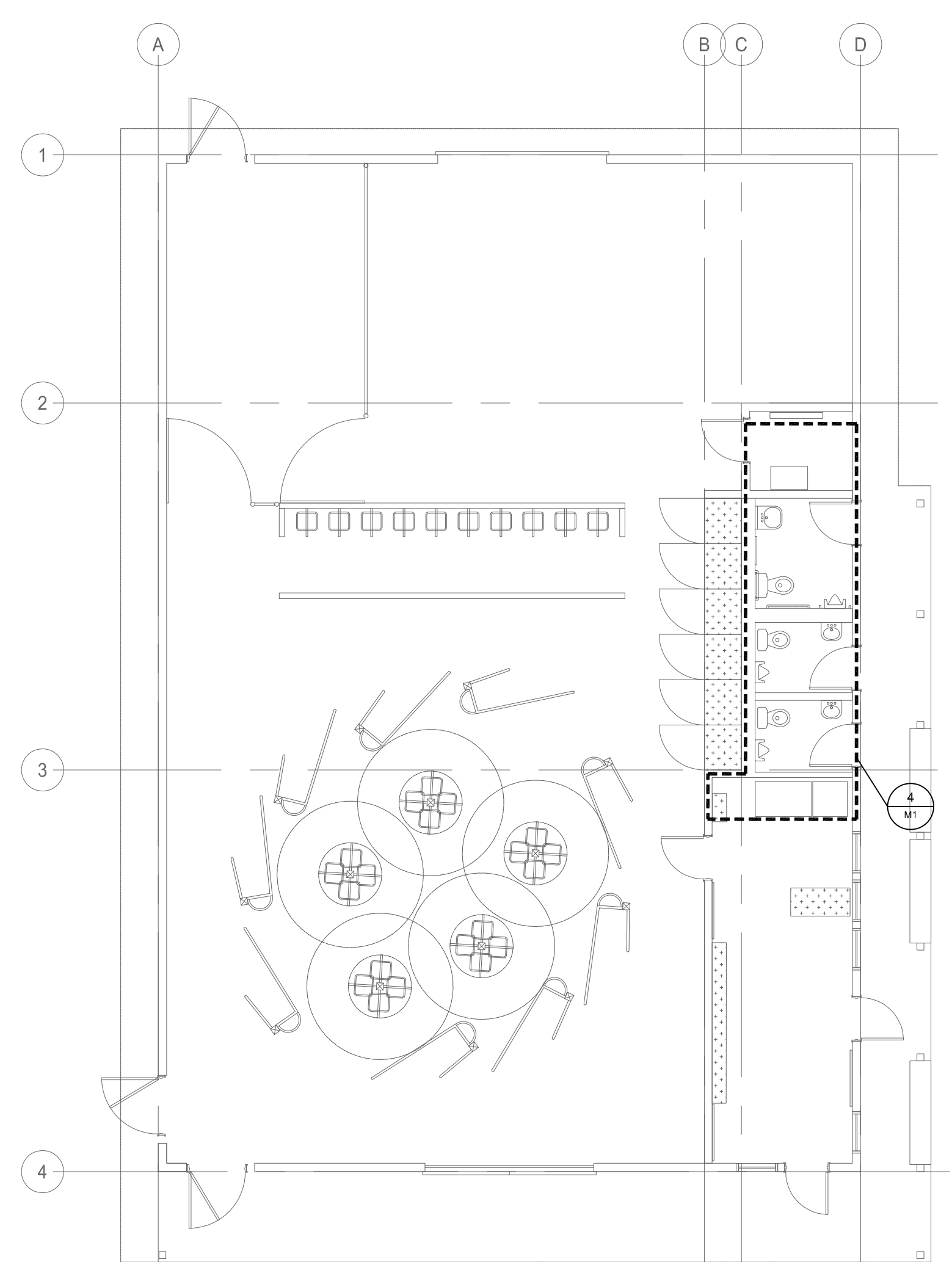
Drawing title

SADDLING BARN AND BOARDING BARN  
FLOOR PLANS -  
PLUMBING AND HVAC

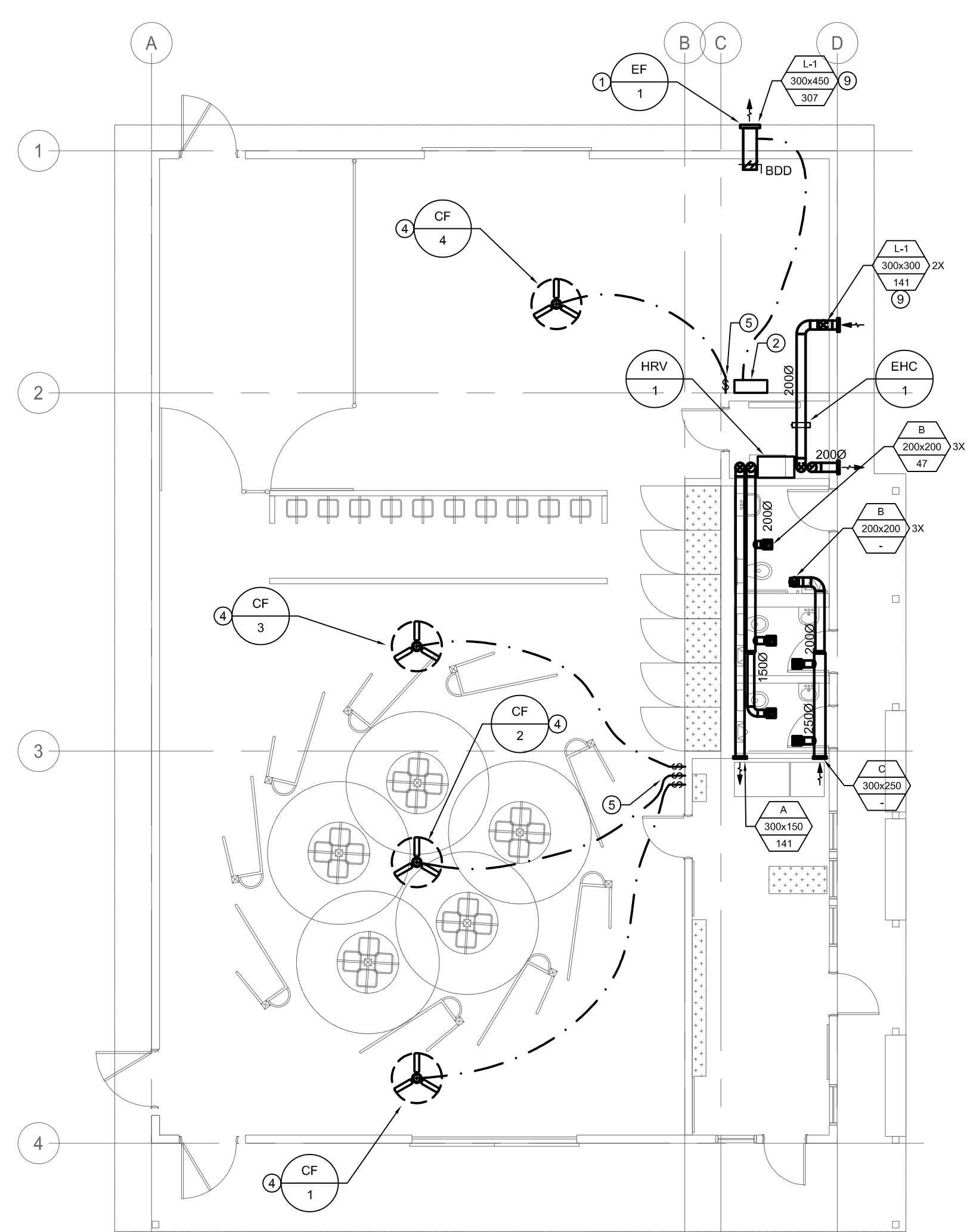
Project no.	Drawing no.	Revision no.
R.096286.001	M1	3
	OF 2	



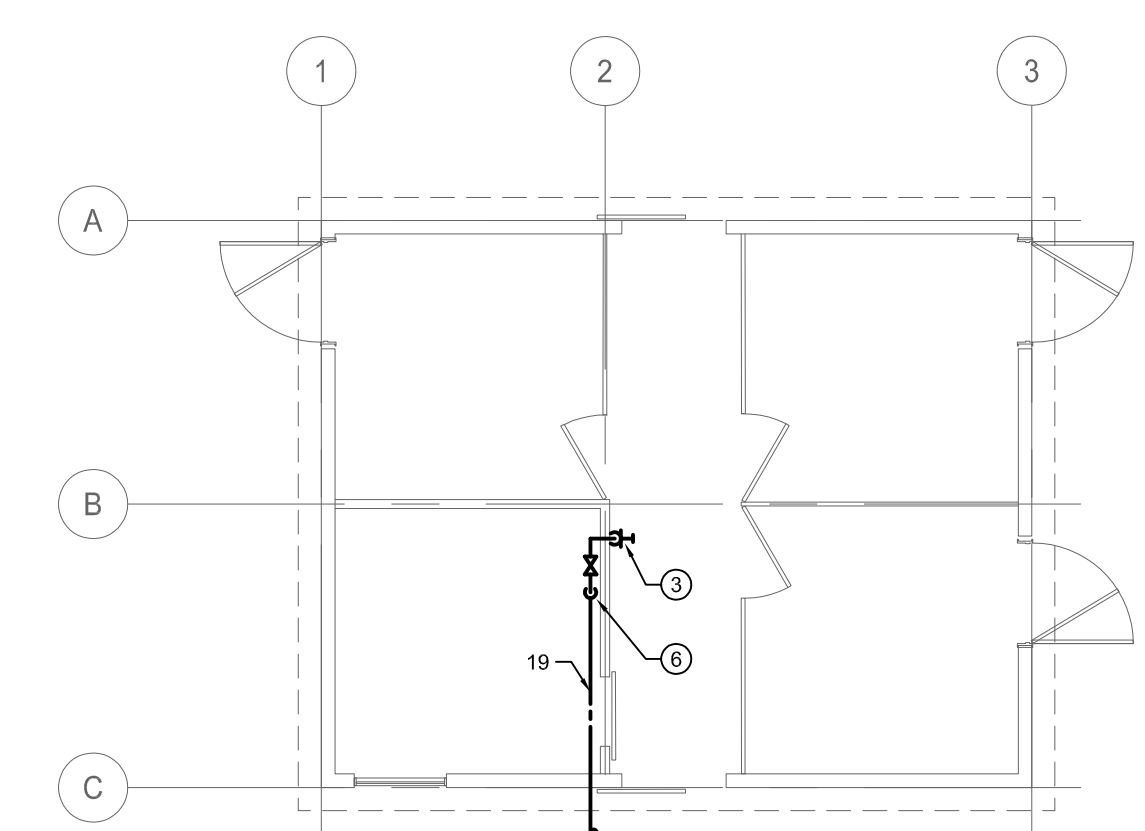
- ### KEY NOTES
1. PROVIDE EXHAUST FAN MOUNTED ON WALL.
  2. PROVIDE GAS DETECTION PANEL ON WALL, COMPLETE WITH NO2 AND CO SENSORS.
  3. PROVIDE HOSE BIBB.
  4. PROVIDE CEILING FAN MOUNTED TO THE BOTTOM OF TRUSS. COORDINATE EXACT MOUNTING LOCATION ON SITE WITH ARCHITECT PRIOR TO ROUGH IN.
  5. PROVIDE CONTROL SWITCH ON WALL.
  6. PROVIDE PROVISIONS TO WINTERIZE DOMESTIC WATER SYSTEM. SYSTEM SHALL BE CAPABLE OF BEING DRAINED AND BLOWN OUT BACK TO CURB STOP.
  7. SANITARY PIPING INSTALLED AS PART OF FOUNDATION DRAWING PACKAGE. COORDINATE WITH FOUNDATION PACKAGE CONTRACTOR AND CIVIL CONTRACTOR.
  8. BELOW SLAB DOMESTIC WATER PIPING INSTALLED AS PART OF FOUNDATION DRAWING PACKAGE. COORDINATE WITH FOUNDATION PACKAGE CONTRACTOR AND CIVIL CONTRACTOR.
  9. COORDINATE EXACT LOUVER LOCATION ON SITE WITH ARCHITECT PRIOR TO ROUGH IN.
  10. PROVIDE REDUCED PRESSURE ZONE BACKFLOW DEVICE.



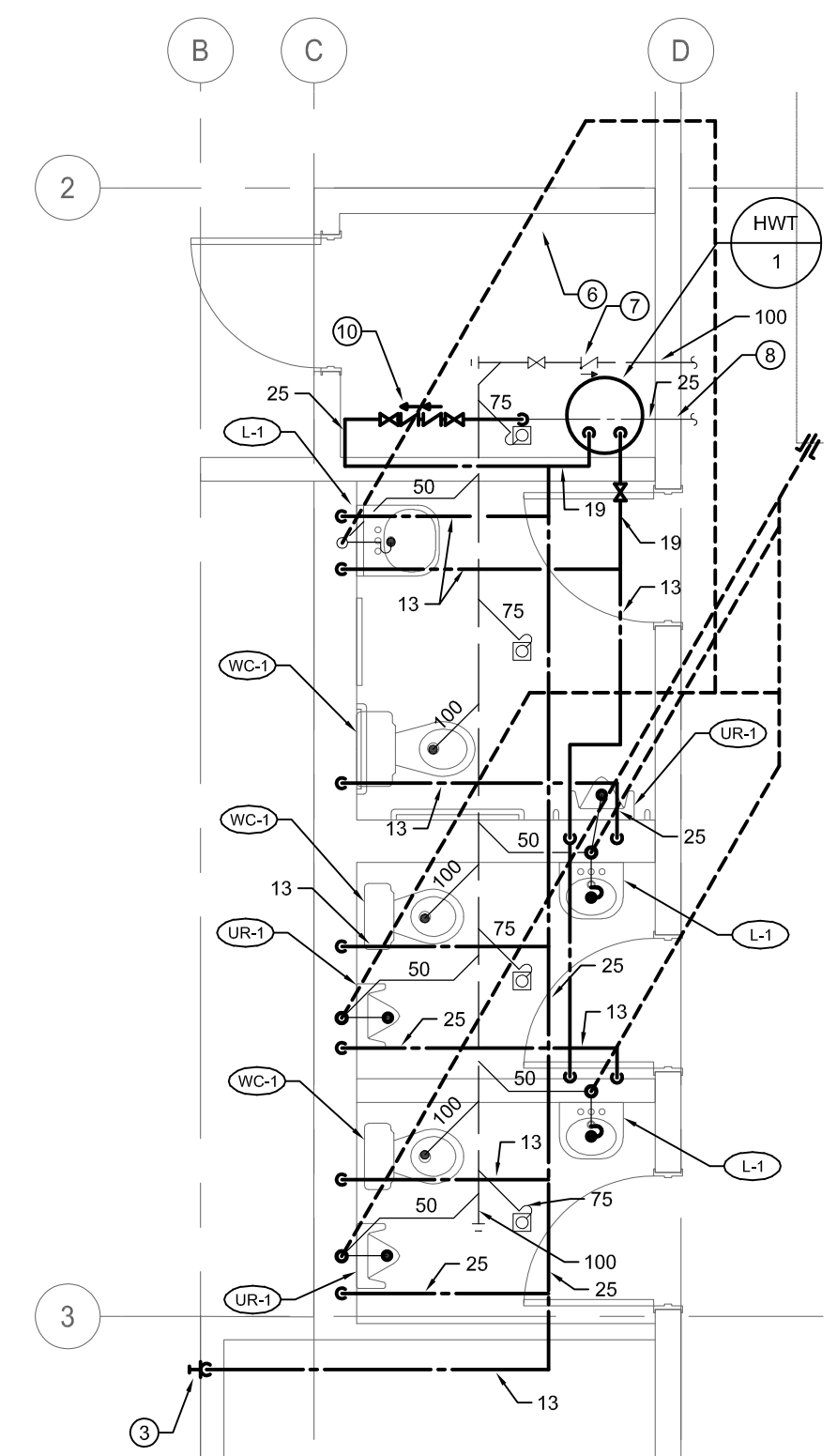
1 SADDLING BARN FLOOR PLAN - PLUMBING  
SCALE: 1:100  
M1



2 SADDLING BARN FLOOR PLAN - HVAC  
SCALE: 1:100  
M1



3 BOARDING BARN FLOOR PLAN - PLUMBING  
SCALE: 1:100  
M1



4 ENLARGED SADDLING BARN FLOOR PLAN - PLUMBING  
SCALE: 1:50  
M1



DRAWING LIST

- E0DRAWING LIST, SYMBOL LEGEND, MOTOR AND HEATER SCHEDULES
- E1SITE PLAN AND SINGLE LINE DIAGRAM
- E2SADDLING BARN AND BOARDING BARN FLOOR PLANS - LIGHTING, POWER AND SYSTEMS

MOTOR SCHEDULE SADDLING BARN

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	MECH ROOM	1.5kW	240 1ø					SB-18,19	AT UNIT	2#12			
HRV-1	HEAT RECOVER VENTILATOR	MECH ROOM	252W	120 1ø					SB-11	AT UNIT	2#12			PLUG IN CORD
BHC-1	ELECTRIC HEATING COIL	BACK BARN AREA	5kW	240 1ø					SB-15,16	AT UNIT	2#10			
EF-1	EXHAUST FAN	BACK BARN AREA	0.25	120 1ø		✓	✓	✓	SB-17	BARN AREA UTILITY ROOM	2#12			
CF-1	CEILING FAN	BARN AREA	100W	120 1ø	✓				SB-6	BARN AREA NEAR OFFICE	2#12			BLACK SWITCH PROVIDED BY MECHANICAL
CF-2	CEILING FAN	BARN AREA	100W	120 1ø	✓				SB-6	BARN AREA NEAR OFFICE	2#12			BLACK SWITCH PROVIDED BY MECHANICAL
CF-3	CEILING FAN	BARN AREA	100W	120 1ø	✓				SB-6	BARN AREA NEAR OFFICE	2#12			BLACK SWITCH PROVIDED BY MECHANICAL
CF-4	CEILING FAN	BARN AREA	100W	120 1ø	✓				SB-6	BARN AREA STORAGE AREA	2#12			BLACK SWITCH PROVIDED BY MECHANICAL

HEATER SCHEDULE  
BARNs

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 \$TELPRO: B1502ERW
FF-1	1000W	240V/1ø	FORCE FLOW SURFACE MOUNTED HEATER, WHITE C/W TAMPERPROOF THERMOSTAT CONTROL		OUELLET: OVS1000 Q-MARK: CWH1202DSF \$TELPRO: RWF1002W
TA		240V/1ø	SINGLE POLE BI-METAL THERMOSTAT RATED AT 25A		OUELLET: TB6 Q-MARK: TA1AW \$TELPRO: B1T1W \$TELPRO: RWFT1W FOR FF-1

SYMBOL LEGEND

	DATA OUTLET C/W 2-CAT 6 CABLES
	PUSH BUTTON
	DUPLEX RECEPTACLE
	DUPLEX RECEPTACLE 20A 1" T" SLOT 5-20R
	GFI DUPLEX RECEPTACLE
	GFI DUPLEX RECEPTACLE 20A
	JUNCTION BOX
	MOTOR AND DISCONNECT
	MAGNETIC STARTER
	UTILITY METER
	SURFACE MOUNTED PANEL
	CEILING MOUNTED ELECTRIC UNIT HEATER
	ELECTRIC BASEBOARD HEATER
	GROUND BAR
	LUMINAIR, A1-PANEL AND CIRCUIT, a-CONTROL
	LUMINAIR CONNECTED TO NIGHT LIGHT CIRCUIT (TYPICAL FOR ALL LIGHT FIXTURES)
	DOWN LIGHT
	WALL MOUNTED FIXTURE
	SWITCH
	3 WAY SWITCH, a - CONTROL
	PHOTOCELL
	OCCUPANCY SENSOR
	HEATER AND CONTROL TYPE
	MOUNTED ABOVE COUNTER
	NOT IN CONTRACT, COORDINATE AS REQUIRED ON SITE.
	WEATHER PROOF

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

GENERAL NOTES

- (APPLICABLE TO ALL DRAWINGS)
- A. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING EXACT LAYOUT, ROUTING, ETC. VERIFY EXISTING SERVICES ON SITE.
- B. CONTRACTOR SHALL ENSURE COORDINATION BETWEEN ALL TRADES AND CONSULTANT, ON AND OFF SITE, AS REQUIRED FOR INSTALLATION OF ELECTRICAL EQUIPMENT.
- C. CONFIRM ALL ELECTRICAL REQUIREMENT FOR EQUIPMENT NOT IN CONTRACT PRIOR TO ROUGH-IN.
- D. EXACT LOCATIONS OF ALL POWER & SYSTEM DEVICES/OUTLETS TO BE CONFIRMED ON SITE WITH INTERIOR DESIGNER PRIOR TO ROUGH-IN.
- E. CONTRACTOR TO REVIEW HEIGHTS AND PLACEMENT OF OUTLETS. SHOULD THERE BE ANY CONFUSION OR DISCREPANCIES IT WILL BE THE RESPONSIBILITY OF CONTRACTOR TO CLARIFY WITH THE ARCHITECT PRIOR TO INSTALLATION.
- F. ALL DATA CABLING TO RUN IN CONDUIT.
- G. ALL CONDUIT TO BE 3/4" UNLESS NOTED OTHERWISE.
- H. THE ELECTRICAL INSTALLATION IN ANIMAL AREAS SHALL COMPLY WITH CEC CLAUSE 22.204. ALL WIRING SHALL BE COPPER. ALL CONDUITS IN ANIMAL SPACES SHALL BE PVC. TECK 90 IS PERMITTED. ALL DEVICES AND ELECTRICAL PANELS SHALL BE WEATHERPROOF. PANELS SHALL BE STAINLESS STEEL. REFER TO FLOOR PLANS FOR AREAS DEFINED AS ANIMAL AREAS.
- I. ANIMAL AREAS ARE DEFINED AS CATEGORY 1 UNDER CEC SECTION 22.

Public Works and Government Services Canada

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REAL PROPERTY SERVICES  
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SERVICES IMMOBILIERS  
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Revision	Description	Date

Client

PWGSC / TPSGC

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

Project title

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

WLNP ALPINE STABLES RECONSTRUCTION  
SADDLING BARN AND  
BOARDING BARN

Designed by  
SS

Drawn by  
WPD

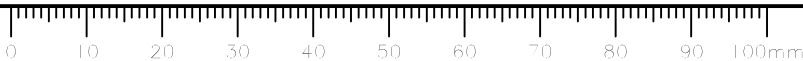
Approved by  
SS

PWGSC Project Manager  
MICHAEL LYZANIEWSKI

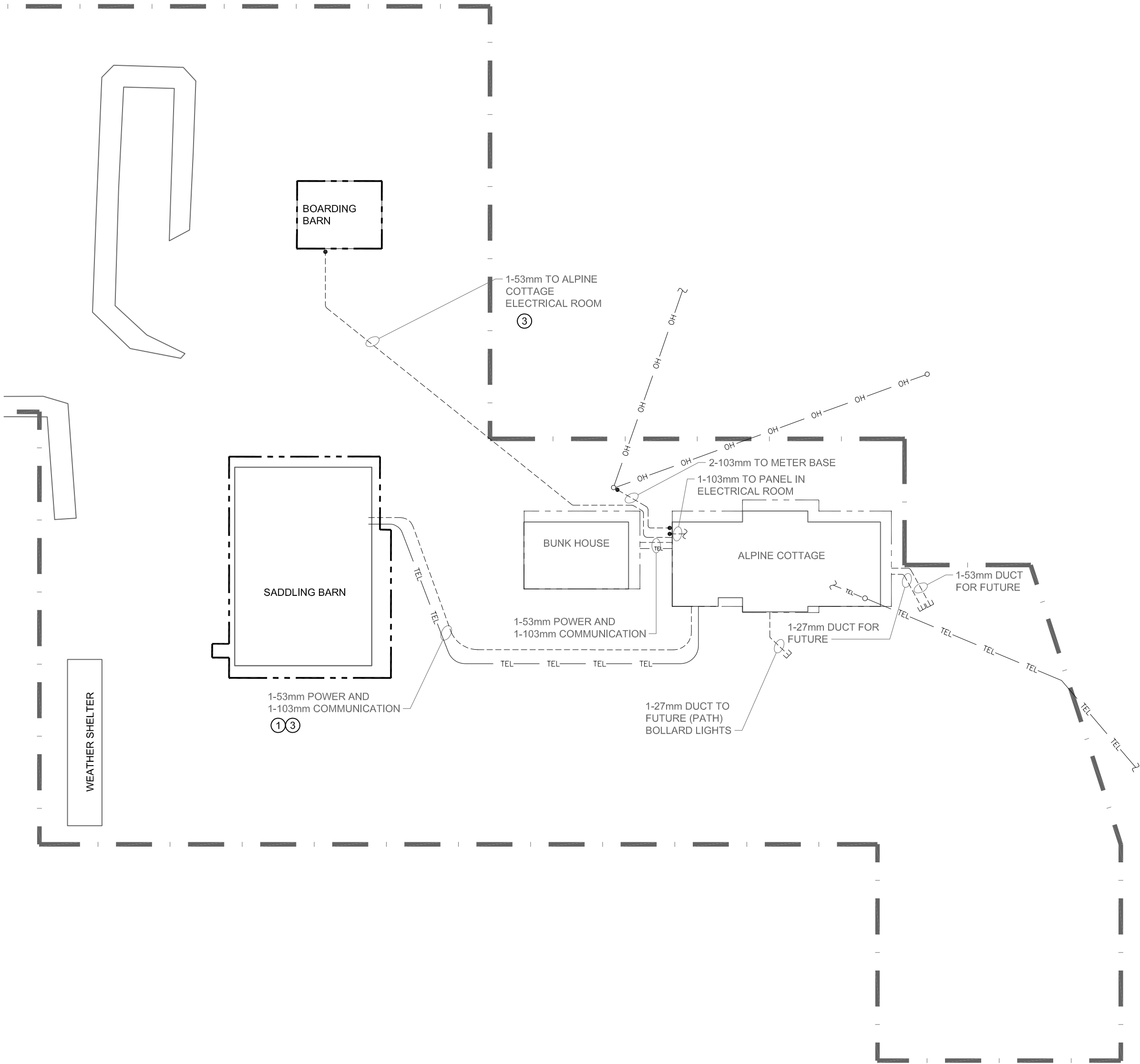
Drawing title

DRAWING LIST,  
SYMBOL LEGEND,  
MOTOR AND HEATER SCHEDULES

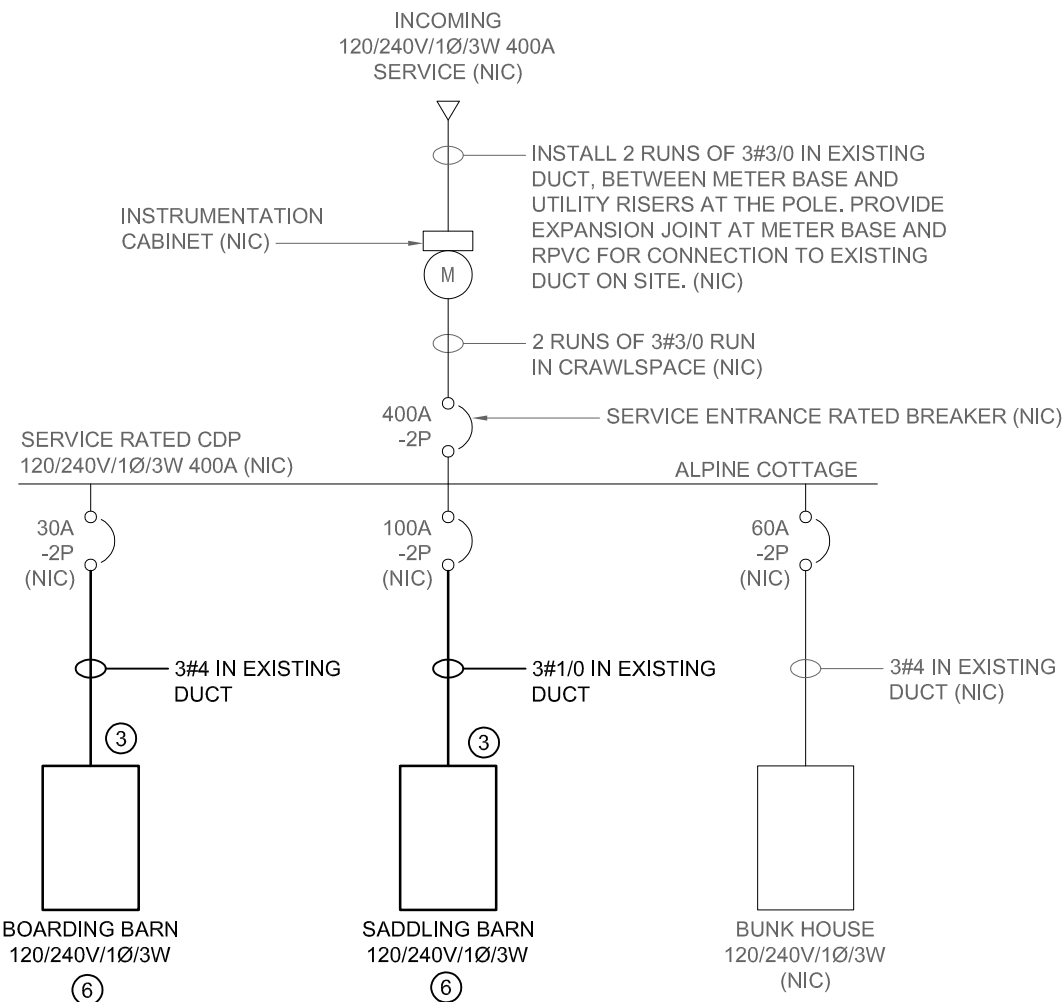
Project no.	Drawing no.	Revision no.
R.096286.001	E0 OF 3	3







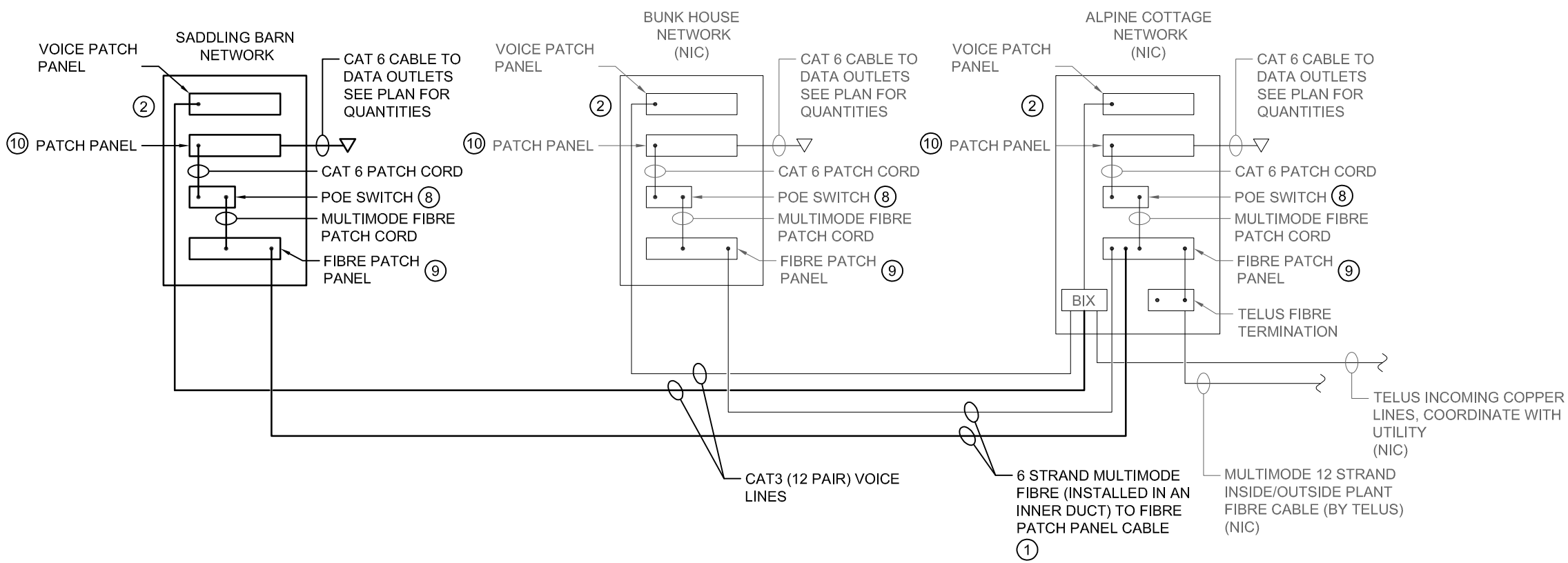
SITE PLAN ⑦  
SCALE: 1:400



1 SINGLE LINE DIAGRAM  
SCALE: NTS

## KEY NOTES

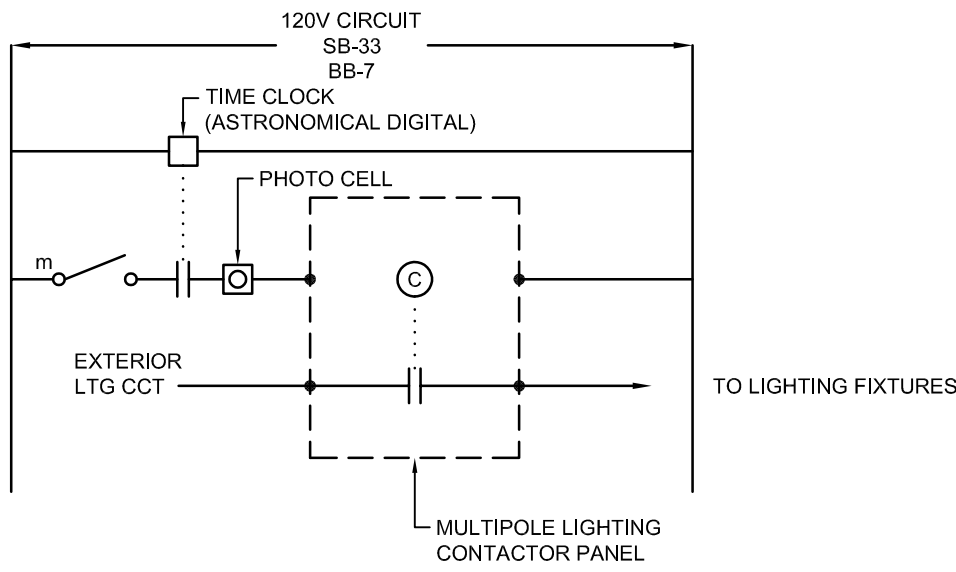
- CONTRACTOR TO SUPPLY AND INSTALL FIBRE CABLE IN EXISTING DUCT BETWEEN ALPINE COTTAGE AND SADDLING BARN. TERMINATE FIBRE CABLE IN FIBRE PATCH PANEL AT BOTH ENDS. COORDINATE WORK WITH DEPARTMENT REPRESENTATIVE.
- NETWORK ENCLOSURE TO BE TILT OUT RACK TYPE.
- CONTRACTOR TO PULL POWER CABLES THROUGH EXISTING DUCT FROM MAIN CDP LOCATED IN ALPINE COTTAGE TO SADDLING BARN AND BOARDING BARN.
- OPEN NUMBER.
- TYPICAL FOR SADDLING AND BOARDING BARN. PROVIDE SEPARATE CONTACTOR PANEL AND TIME CLOCK FOR EACH BARN TO CONTROL EXTERIOR LIGHTING AT EACH BUILDING.
- CONTRACTOR TO SUPPLY, INSTALL AND WIRE NEW PANEL AS SHOWN ON DRAWING E2. REFER TO PANEL SCHEDULE INCLUDED WITH SPECIFICATION.
- 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 BUILDINGS.
- 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 CABLEING. QUANTITY OF POE/ETHERNET SWITCHES TO SUIT NUMBER OF FIELD OUTLETS/DEVICES. SWITCH TO BE SUPPLIED BY DEPARTMENTAL REPRESENTATIVE. COORDINATE AND INSTALL EQUIPMENT IN RACK.
- FIBER OPTIC PATCH PANEL(S). QUANTITY OF PATCH PANELS AND PORTS TO SUIT NUMBER OF INCOMING FIBER STRANDS.
- 24-PORT CAT 6 PATCH PANEL(S). QUANTITY OF PATCH PANELS TO SUIT NUMBER OF FIELD OUTLETS.



2 NETWORK WIRING DIAGRAM  
SCALE: NTS

## COMMS CABINET DETAIL NOTES

- FIBER CABLEING AND TERMINATIONS BY ELECTRICAL CONTRACTOR.
- ELECTRICAL CONTRACTOR TO MAKE ALL 120V CONNECTIONS.
- 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.
- QUANTITY OF PATCH PANELS AND SWITCHES IS TYPICAL.
- PATCH PANELS, SWITCHES AND CABINET TO BE INSTALLED BY ELECTRICAL CONTRACTOR. ALL ACTIVE EQUIPMENT TO BE SUPPLIED BY DEPARTMENTAL REPRESENTATIVE. COORDINATE REQUIREMENTS WITH DEPARTMENTAL REPRESENTATIVE.



3 EXTERIOR LIGHTING CONTROL SCHEMATIC ⑤  
SCALE: NTS

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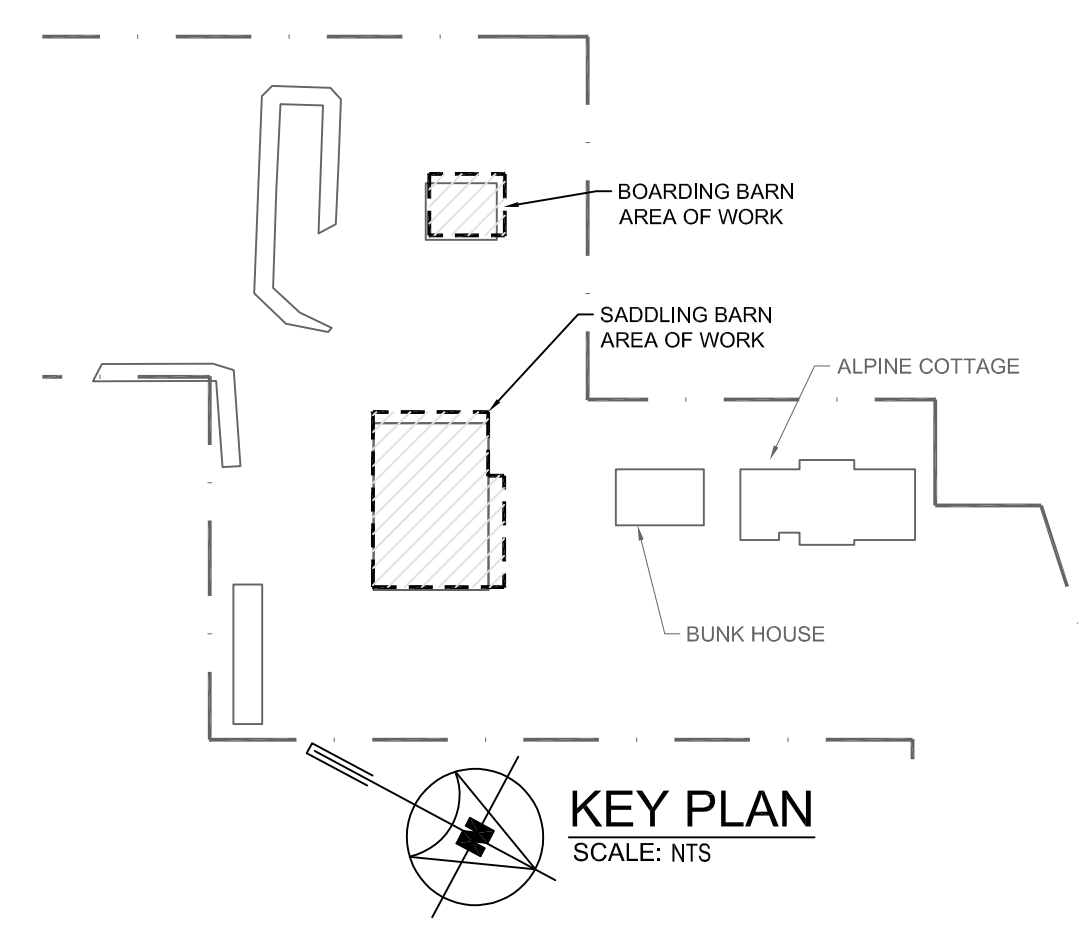
Approved by  
SS

PWGS Project Manager  
MICHAEL LYZANOWSKI

Drawing title  
SITE PLAN AND  
SINGLE LINE DIAGRAM

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





### KEY NOTES

1. PROVIDE ON/OFF PHOTO SENSOR TO AUTOMATICALLY TURN EXTERIOR FIXTURES ON OR OFF BASED ON SELECTED AMBIENT LIGHT LEVELS. LOCATE PHOTO SENSOR HIGH UP ON EXTERIOR WALL WHERE SHOWN.
2. PROVIDE BACKBOARD C/W GROUND BAR AND RACK FOR VOICE/DATA. REFER TO DETAIL 2 ON DRAWING E1 FOR NETWORK WIRING DETAIL. PROVIDE #30 FT4 INSULATED. BOND TO ALPINE COTTAGE GROUND BAR TMGB. LABEL 'TELECOM BONDING CONDUCTOR'.
3. FED FROM MAIN CDP LOCATED IN THE ALPINE COTTAGE, REFER TO SINGLE LINE DIAGRAM DRAWING E1.
4. WIRE AND CONNECT TO CEILING FANS. CONTROLS PROVIDED AND INSTALLED BY MECHANICAL. COORDINATE WITH MECHANICAL.
5. PROVIDE 120V CIRCUIT FOR GAS DETECTION PANEL.
6. 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.
7. PROVIDE AND INSTALL A 240V, 1 kW SURFACE MOUNTED FORCE FLOW HEATER IN BATHROOM. HEATER TO BE COMPLETE WITH BUILT-IN-THERMOSTAT.
8. PROVIDE AND INSTALL A 240V, 1.5 kW BASEBOARD HEATER IN OFFICE SPACE. HEATER TO HAVE BUILT-IN-THERMOSTAT.
9. PROVIDE AND INSTALL LIGHTING CONTACTOR PANEL TO CONTROL EXTERIOR LIGHTING. PROVIDE AND INSTALL TIME CLOCK AND INTERCONNECT WITH CONTACTOR PANEL. REFER TO DETAIL 3 DRAWING E1 FOR LIGHTING CONTROL SCHEMATIC.
10. PROVIDE RELAY FOR HRV-1 SO THAT HRV TURNS ON WHEN THE LIGHT SWITCH FOR THE WASHROOM OR OFFICE IS IN THE 'ON' POSITION. COORDINATE WORK WITH MECHANICAL CONTRACTOR.
11. AREA DEFINED AS 'ANIMAL AREA'.
12. SWITCHES FOR CEILING FANS, SUPPLIED BY MECHANICAL AND INSTALLED BY ELECTRICAL.

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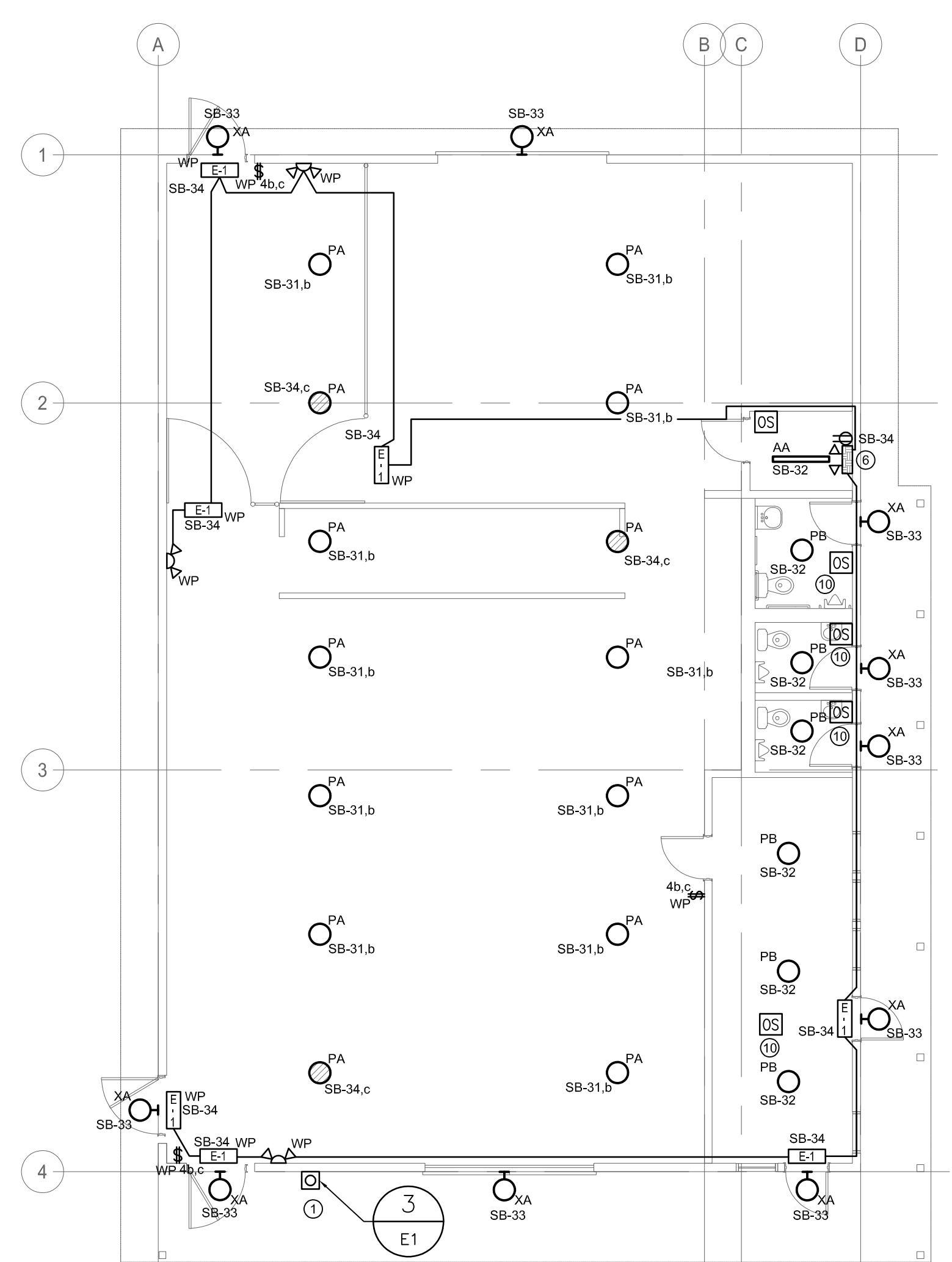
PWGC Project Manager  
MICHAEL LYZANOWSKI

Drawing title

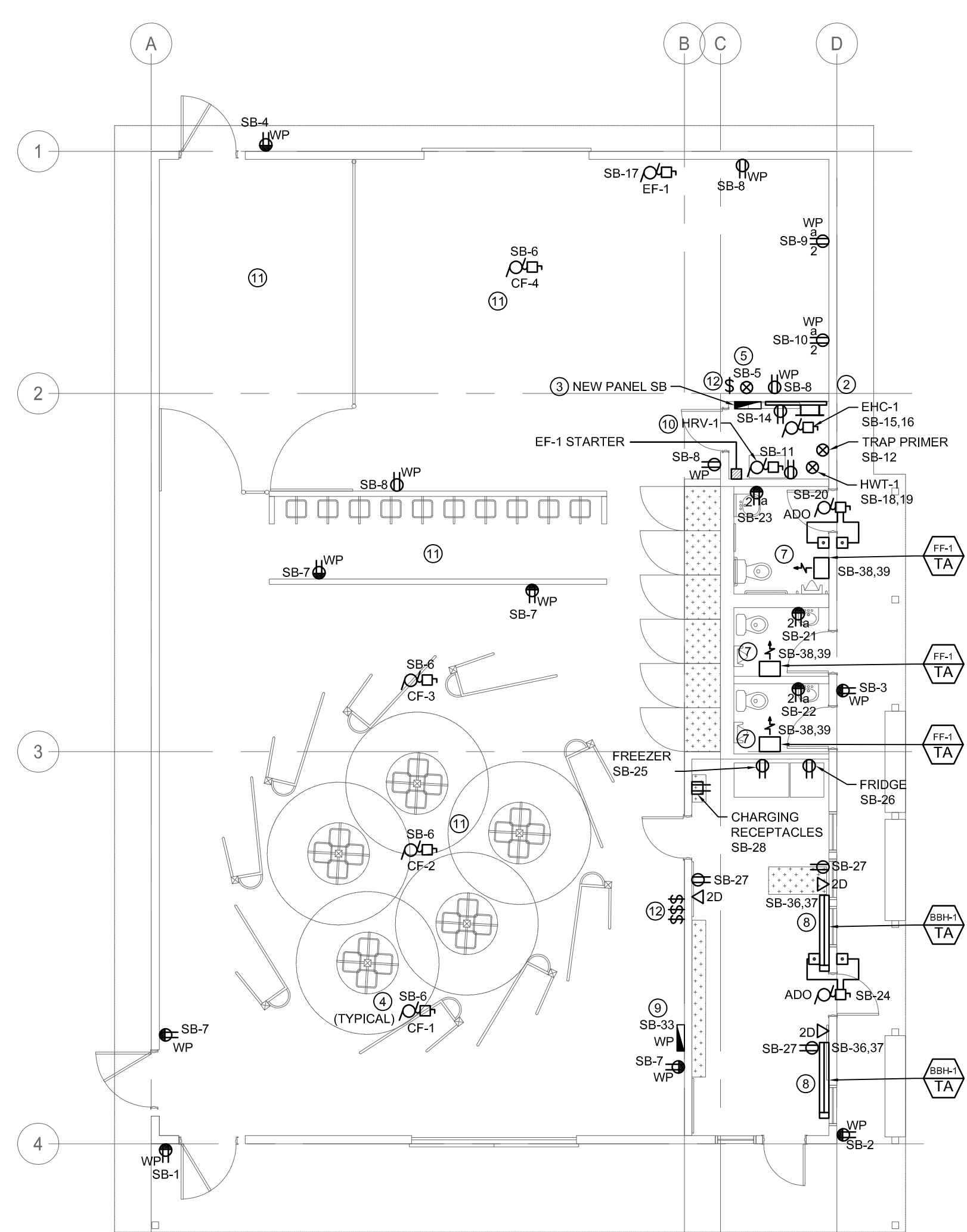
SADDLING BARN AND BOARDING BARN  
FLOOR PLANS - LIGHTING,  
POWER AND SYSTEMS

Project no.	Drawing no.	Revision no.
R.096286.001	E2	3

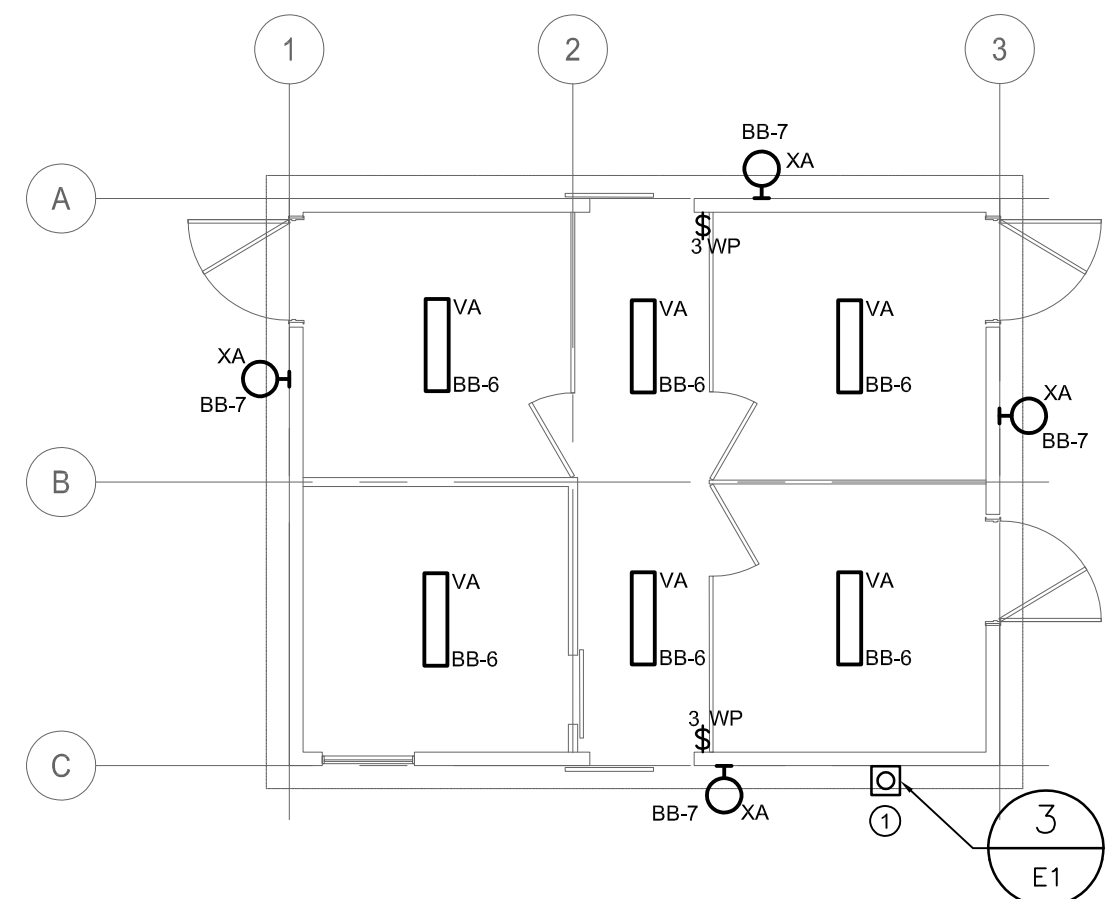
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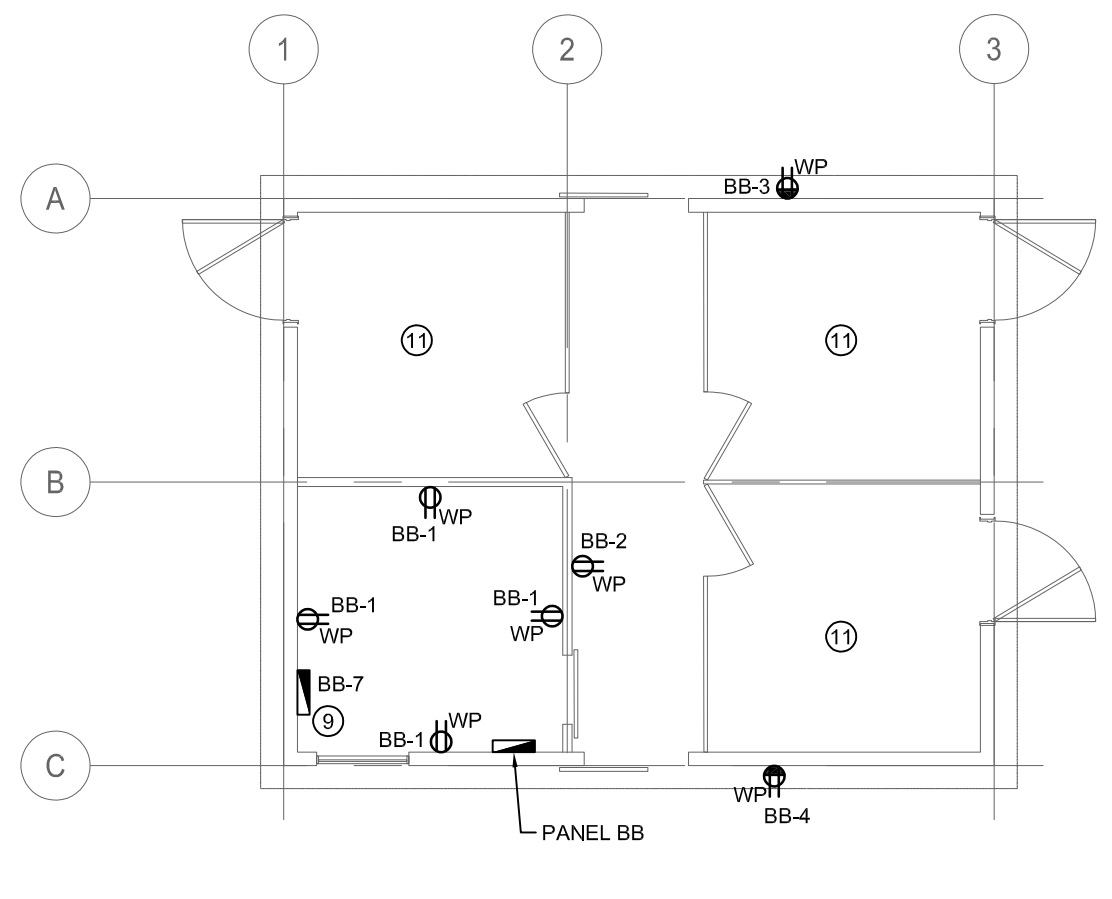
1 SADDLING BARN FLOOR PLAN - LIGHTING  
SCALE: 1:100



3 SADDLING BARN FLOOR PLAN - POWER AND SYSTEMS  
SCALE: 1:100



2 BOARDING BARN FLOOR PLAN - LIGHTING  
SCALE: 1:100



4 BOARDING BARN FLOOR PLAN - POWER AND SYSTEMS  
SCALE: 1:100