

November 16, 2016

Re-issued for FDN Permit

MacKay-Lyons Sweetapple Architects Limited

2188 Gottingen Street
Halifax, Nova Scotia Canada B3K 3B4
ph: (902) 429-1867 fax: (902) 429-6276

Blackwell Structural Engineers

19 Duncan Street, Suite 405
Toronto, Ontario Canada M5H 3H1
ph: (416) 593-5300 fax: (416) 593-4840

Salmon Electrical Contractors Electrical Engineers

1778 West 1180 South
Woods Cross, Utah, United States 84087
ph: (801) 292-3444

Layton Construction Company Construction Management

9090 South Sandy Parkway
Sandy, Utah, United States, 84070
ph: (801) 568-9090

Mechanical Systems and Service Inc. Mechanical Engineers

1055 South 700 West
Salt Lake City, Utah, United States 84104
ph: (801) 255-9333 fax: (801) 924-8583

Langvardt Design Group Landscape

328 200 South
Salt Lake City, Utah, United States 84101
ph: (801) 583-1295

NV5 Civil Engineers

5217 S State St #200
Murray, Utah, United States 84107
ph: (801) 743-1300

CIVIL

C1.00	Keyplan
C1.01	General Notes, Key Notes and Legend
C1.02	Overall Key Map
C2.00	Site and Utility Plan - West
C2.01	Site and Utility Plan - East
C3.00	Grading and Drainage Plan - West
C3.01	Grading and Drainage Plan - East
C4.00	Erosion Control Plan Overall
C6.00	Details
C6.01	Booster Pump Details
C6.02	Booster Pump Details
C6.03	Sewer Ejector Details
C6.04	Details
E-01	Legends, Notes, and Schedules
GE-01	Electrical Details
E-02	Power One-Line Diagram

ARCHITECTURAL

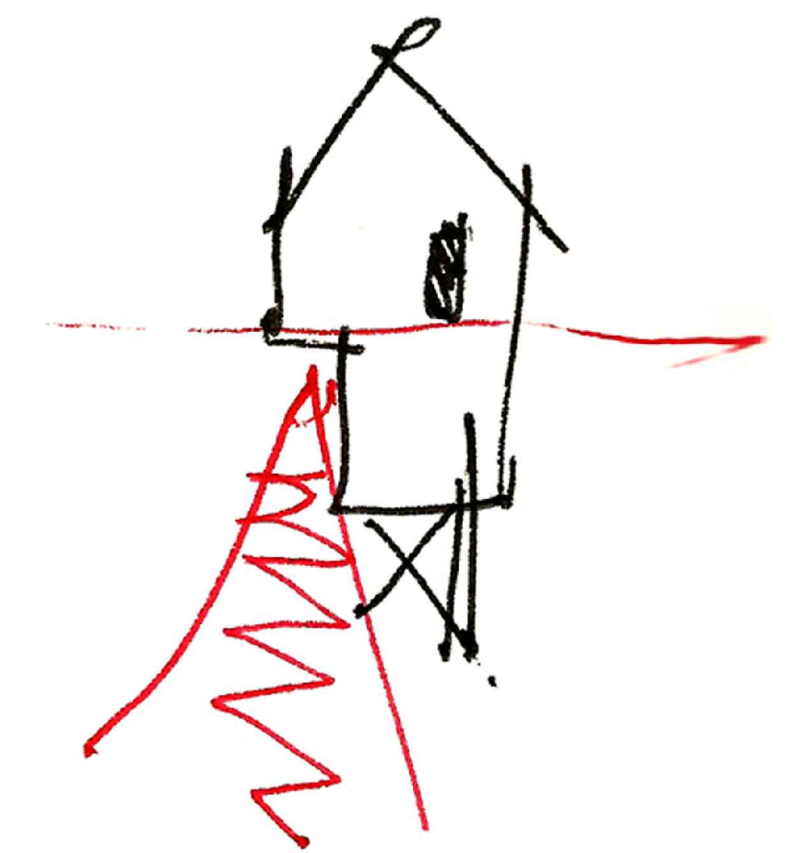
A000	Specifications (not incl.)
A001	Abbreviations, Key Plan & Partition Types
A100	Site Plan
A101	Code Review, Fire Separation Plan & Finish Schedule
A200	Lower Level Plan
A201	Main Level Plan
A202	Lower and Main Level Reflected Ceiling Plan (not incl.)
A300	Exterior Elevations
A301	Exterior Elevations
A302	Exterior Elevations
A400	Building Sections
A401	Building Sections
A500	Plan Details (not incl.)
A510	Section Details (not incl.)
A511	Section Details (not incl.)
A520	Flashing and Membrane Details (not incl.)
A530	Hearth Details (not incl.)
A600	Millwork (not incl.)
A601	Millwork (not incl.)
A602	Millwork (not incl.)
A603	Millwork Details (not incl.)
A604	Millwork Details (not incl.)
A605	Porch Millwork (not incl.)
A610	Stair (not incl.)
A700	Bridge (not incl.)
A900	Window/Door Schedule (not incl.)

STRUCTURAL

S-001	General Notes
S-002	Statement of Special Inspections
S-003	Typical Details Foundations
S-010	Site Plan
S-100	Foundation Plan
S-101	Lower Level Framing Plan
S-102	Upper Level Framing Plan
S-103	Roof Framing Plan
S-104	Column Schedule
S-200	Steel Elevations
S-201	Steel Elevations
S-202	Steel Elevations
S-203	Steel Elevations
S-300	Shearwall Elevations
S-301	Shearwall Elevations
S-400	Foundation Sections
S-401	Lower Floor Framing Sections
S-402	Upper Floor Framing Sections
S-403	Roof Framing Sections

MECHANICAL (not incl.)

ELECTRICAL (not incl.)



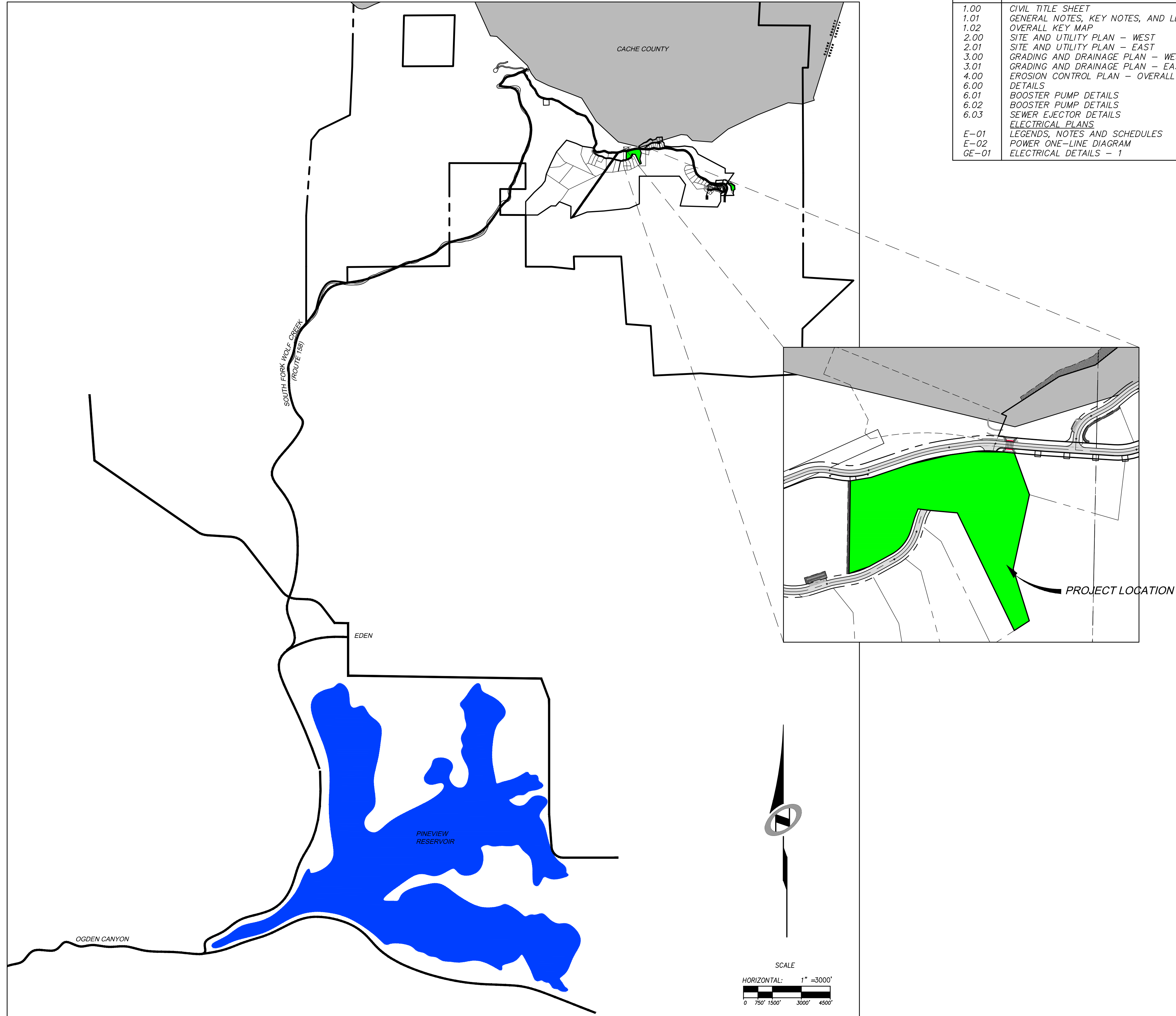
Horizon Neighborhood Cabins

2500 SF Cabin

Summit Powder Mountain, Eden UT

HORIZON NEIGHBORHOOD PRUD AT SUMMIT POWDER MOUNTAIN CONSTRUCTION DRAWINGS

Located in Sec 08 T7N R2E
Weber County, Utah



SHEET INDEX:

SHEET NO.	SHEET DESCRIPTION
1.00	CIVIL TITLE SHEET
1.01	GENERAL NOTES, KEY NOTES, AND LEGEND
1.02	OVERALL KEY MAP
2.00	SITE AND UTILITY PLAN - WEST
2.01	SITE AND UTILITY PLAN - EAST
3.00	GRADING AND DRAINAGE PLAN - WEST
3.01	GRADING AND DRAINAGE PLAN - EAST
4.00	EROSION CONTROL PLAN - OVERALL
6.00	DETAILS
6.01	BOOSTER PUMP DETAILS
6.02	BOOSTER PUMP DETAILS
6.03	SEWER EJECTOR DETAILS
	ELECTRICAL PLANS
E-01	LEGENDS, NOTES AND SCHEDULES
E-02	POWER ONE-LINE DIAGRAM
GE-01	ELECTRICAL DETAILS - 1

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BOWDEN
XREFS:

NO.	BY	DATE	REVISIONS

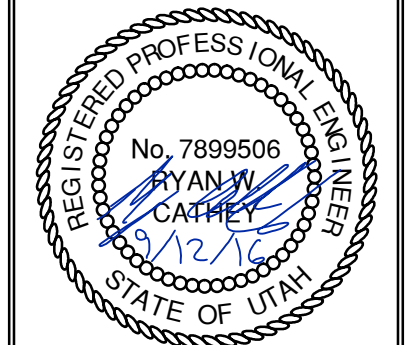
CAUTION
 The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. Any such changes or uses must be approved by the preparer of these plans.

HORIZON NEIGHBORHOOD PRUD
 CIVIL TITLE SHEET

MURRAY, UT 8407
 WWW.NV5.COM

NV5

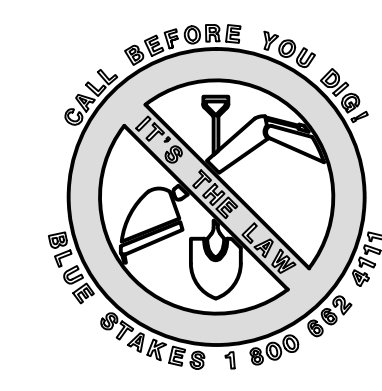
6217 SOUTH STATE STREET, SUITE 200
 801743.8000 TEL. 801743.0800 FAX



SHEET NUMBER
1.00

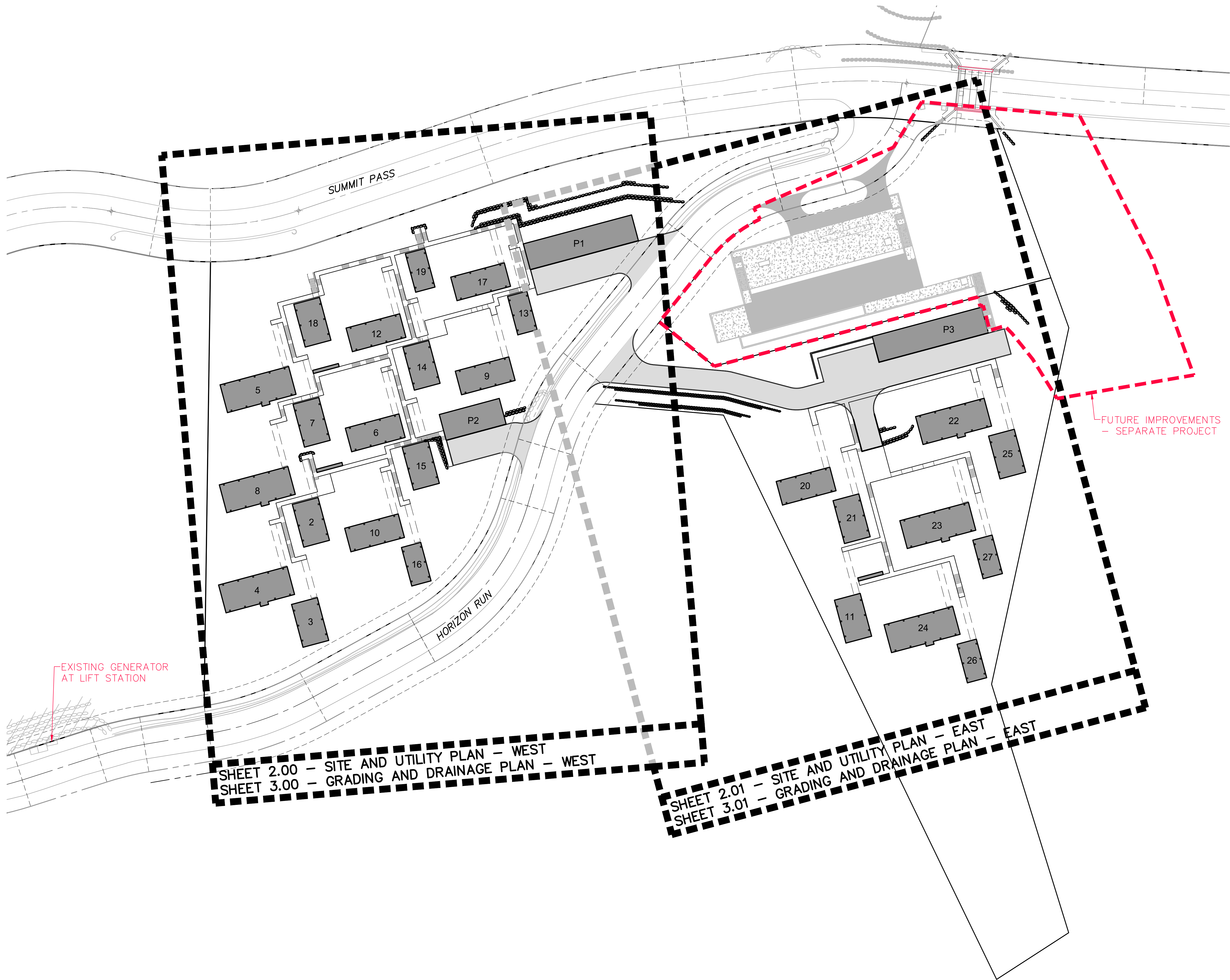
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 VERTICAL: 1" = N/A
 HORIZONTAL: 1" = 3000'

JOB NUMBER
SLB0793



DATE SUBMITTED: 09-12-2016

PREPARED FOR: SUMMIT POWDER MOUNTAIN



EXISTING GENERATOR
 AT LIFT STATION

FUTURE IMPROVEMENTS
 - SEPARATE PROJECT

SHEET 2.00 - SITE AND UTILITY PLAN - WEST
 SHEET 3.00 - GRADING AND DRAINAGE PLAN - WEST

SHEET 2.01 - SITE AND UTILITY PLAN - EAST
 SHEET 3.01 - GRADING AND DRAINAGE PLAN - EAST

SCALE
 HORIZONTAL: 1" = 40'
 0 10' 20' 40' 60'

CALL BEFORE YOU DIG!
 1 800 882 9575

NO.	BY	DATE	REVISIONS

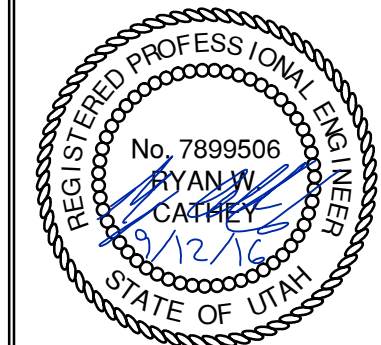
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HORIZON NEIGHBORHOOD PRUD OVERALL KEY MAP

MURRAY, UT 8407
 WWW.NV5.COM



6217 SOUTH STATE STREET, SUITE 200
 8017431800 TEL. 8017430900 FAX



SHEET NUMBER
1.02

SCALE
 VERTICAL: 1" = N/A
 HORIZONTAL: 1" = 40'

JOB NUMBER
SLB0793

DATE SUBMITTED: 09-12-2016

PREPARED FOR: SUMMIT POWDER MOUNTAIN

SEWER INFORMATION

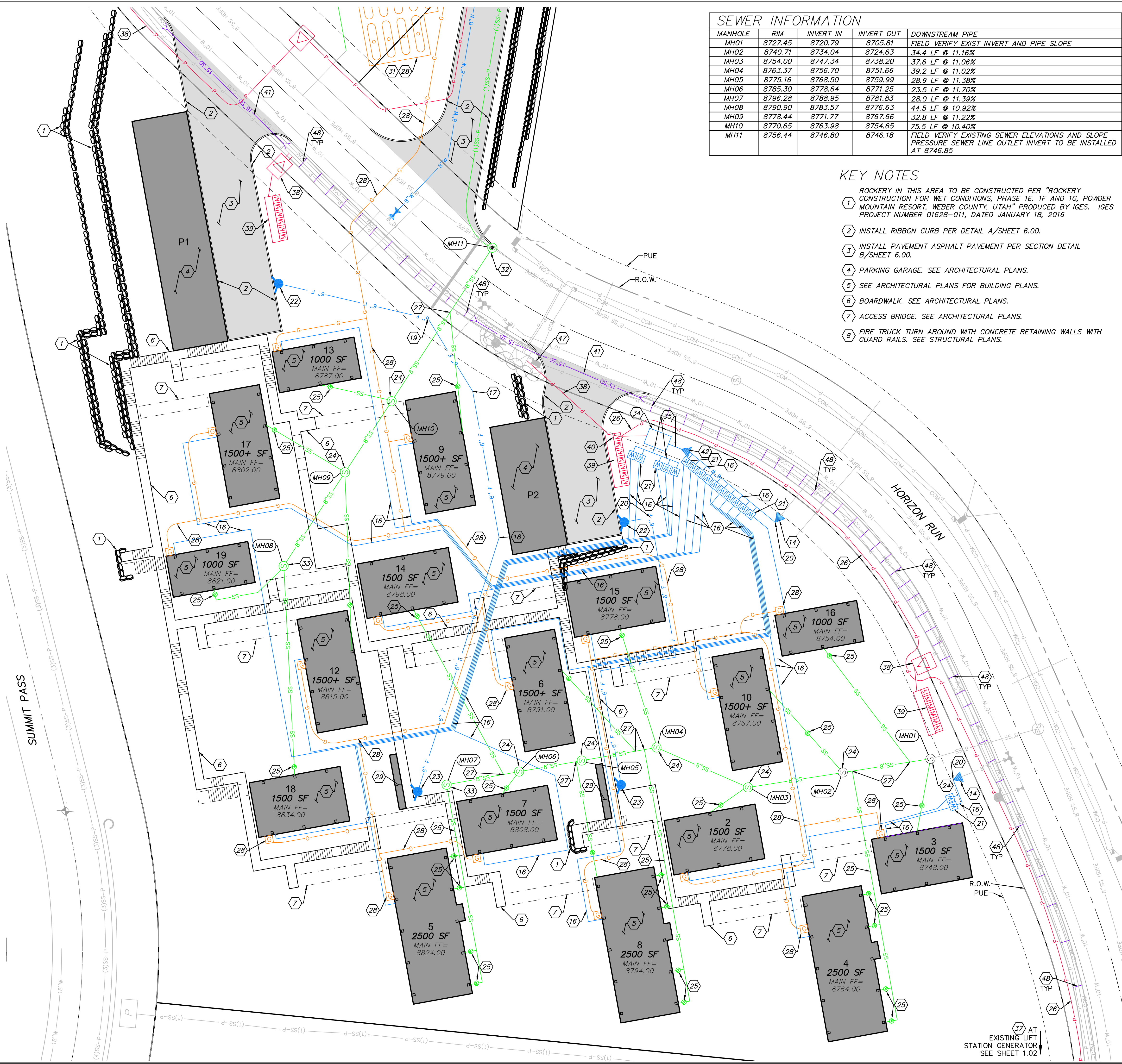
MANHOLE	RIM	INVERT IN	INVERT OUT	DOWNSTREAM PIPE
MH01	8727.45	8720.79	8705.81	FIELD VERIFY EXIST INVERT AND PIPE SLOPE
MH02	8740.71	8734.04	8724.63	34.4 LF @ 11.16%
MH03	8754.00	8747.34	8738.20	37.6 LF @ 11.06%
MH04	8763.37	8756.70	8751.66	39.2 LF @ 11.02%
MH05	8775.16	8768.50	8759.99	28.9 LF @ 11.38%
MH06	8785.30	8778.64	8771.25	23.5 LF @ 11.70%
MH07	8796.28	8788.95	8781.83	28.0 LF @ 11.39%
MH08	8790.90	8783.57	8776.63	44.5 LF @ 10.92%
MH09	8778.44	8771.77	8767.66	32.8 LF @ 11.22%
MH10	8770.65	8763.98	8754.65	75.5 LF @ 10.40%
MH11	8756.44	8746.80	8746.18	FIELD VERIFY EXISTING SEWER ELEVATIONS AND SLOPE PRESSURE SEWER LINE OUTLET INVERT TO BE INSTALLED AT 8746.85

KEY NOTES

- 1 ROCKERY IN THIS AREA TO BE CONSTRUCTED PER "ROCKERY CONSTRUCTION FOR WET CONDITIONS, PHASE 1E. 1F AND 1G, POWDER MOUNTAIN RESORT, WEBER COUNTY, UTAH" PRODUCED BY IGES. IGES PROJECT NUMBER 01628-011, DATED JANUARY 18, 2016
- 2 INSTALL RIBBON CURB PER DETAIL A/SHEET 6.00.
- 3 INSTALL PAVEMENT ASPHALT PAVEMENT PER SECTION DETAIL B/SHEET 6.00.
- 4 PARKING GARAGE. SEE ARCHITECTURAL PLANS.
- 5 SEE ARCHITECTURAL PLANS FOR BUILDING PLANS.
- 6 BOARDWALK. SEE ARCHITECTURAL PLANS.
- 7 ACCESS BRIDGE. SEE ARCHITECTURAL PLANS.
- 8 FIRE TRUCK TURN AROUND WITH CONCRETE RETAINING WALLS WITH GUARD RAILS. SEE STRUCTURAL PLANS.

KEY NOTES (CONT)

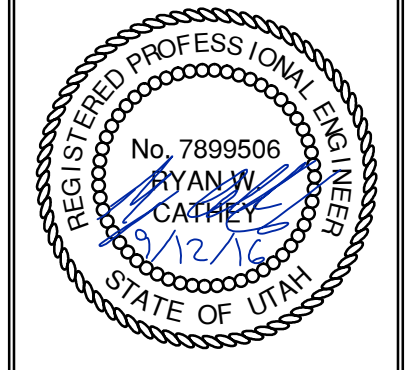
- 9 CONNECT TO WATER MAINLINE WITH 8" HOT TAP.
- 10 INSTALL 8"x6"x8" TEE WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.
- 11 INSTALL 8" GATE VALVE WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.
- 12 INSTALL 8" 11.25' BEND WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.
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- 15 INSTALL 8" 90' BEND WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.
- 16 INSTALL 1 1/2" SERVICE LATERAL PER APWA STANDARD PLAN NO. 552 AND DETAIL D, SHEET 6.00.
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- 21 CONSTRUCT 3/4" METER PER APWA STANDARD PLAN NO. 522.
- 22 INSTALL FIRE DEPARTMENT CONNECTION. COORDINATE WITH WEBER COUNTY FIRE MARSHAL.
- 23 INSTALL STAND PIPE. COORDINATE WITH WEBER COUNTY FIRE MARSHAL.
- 24 INSTALL 4" SANITARY SEWER MANHOLE PER APWA STANDARD PLAN NO. 411 WITH DEEP DROP INLET PER APWA STANDARD PLAN NO. 433.
- 25 INSTALL 4" SANITARY SEWER LATERAL AND CLEANOUT PER APWA STANDARD PLAN NO. 431 AND DETAIL D, SHEET 6.00.
- 26 ELECTRICAL POWER CONDUIT FROM EXISTING GENERATOR AT LIFT STATION TO BOOSTER PUMP VAULT FOR BACKUP POWER. SEE BOWEN COLLINS ELECTRICAL PLANS.
- 27 WYE CONNECT TO 8" SEWER LINE.
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- 38 ELECTRICAL POWER CONDUIT, TRANSFORMERS AND PULL BOXES. SEE SALMON ELECTRICAL PLANS.
- 39 POWER METER BASE AND MAIN CIRCUIT BREAKER, SEE DETAIL X, SHEET 6.01. SEE SALMON ELECTRICAL PLANS.
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- 43 INSTALL E/ONE GRINDER PUMP STATION MODEL DH071. WITH E/ONE SENTRY ALARM PANEL INCLUDING GENERATOR RECEPTACLE WITH AUTO TRANSFER AND GFCI RECEPTACLE. ALARM PANELS SHALL BE INSTALLED WITHIN LINE OF SIGHT OF ENTRY TO UNIT. SEE DETAIL SHEET 6.03.
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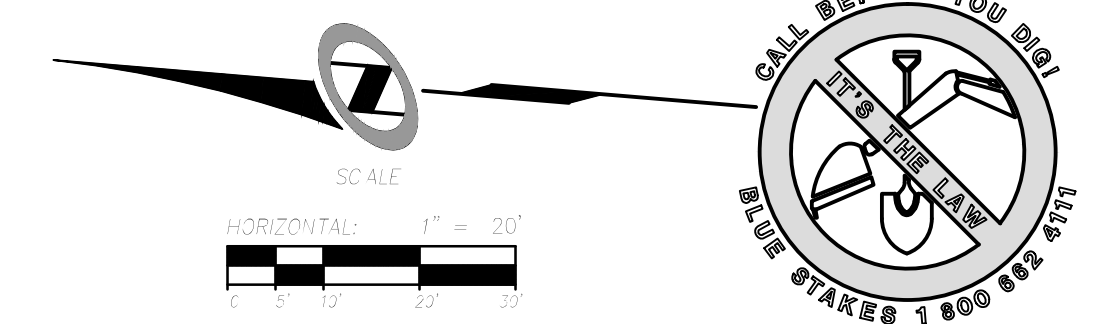
NO.	DATE	BY	REVISIONS

HORIZON NEIGHBORHOOD PRUD
SITE AND UTILITY PLAN - WEST
 PREPARED FOR: SUMMIT POWDER MOUNTAIN
 WWW.NV5.COM
 MURRAY, UT 84007

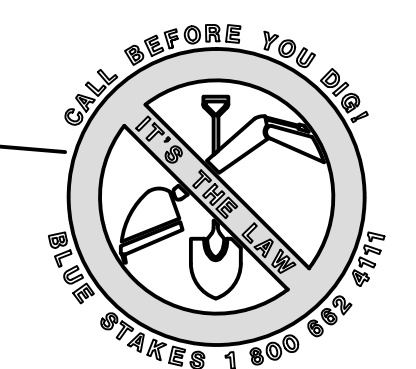
NV5
 5217 SOUTH STATE STREET, SUITE 200
 8017433800 TEL. 8017433800 FAX



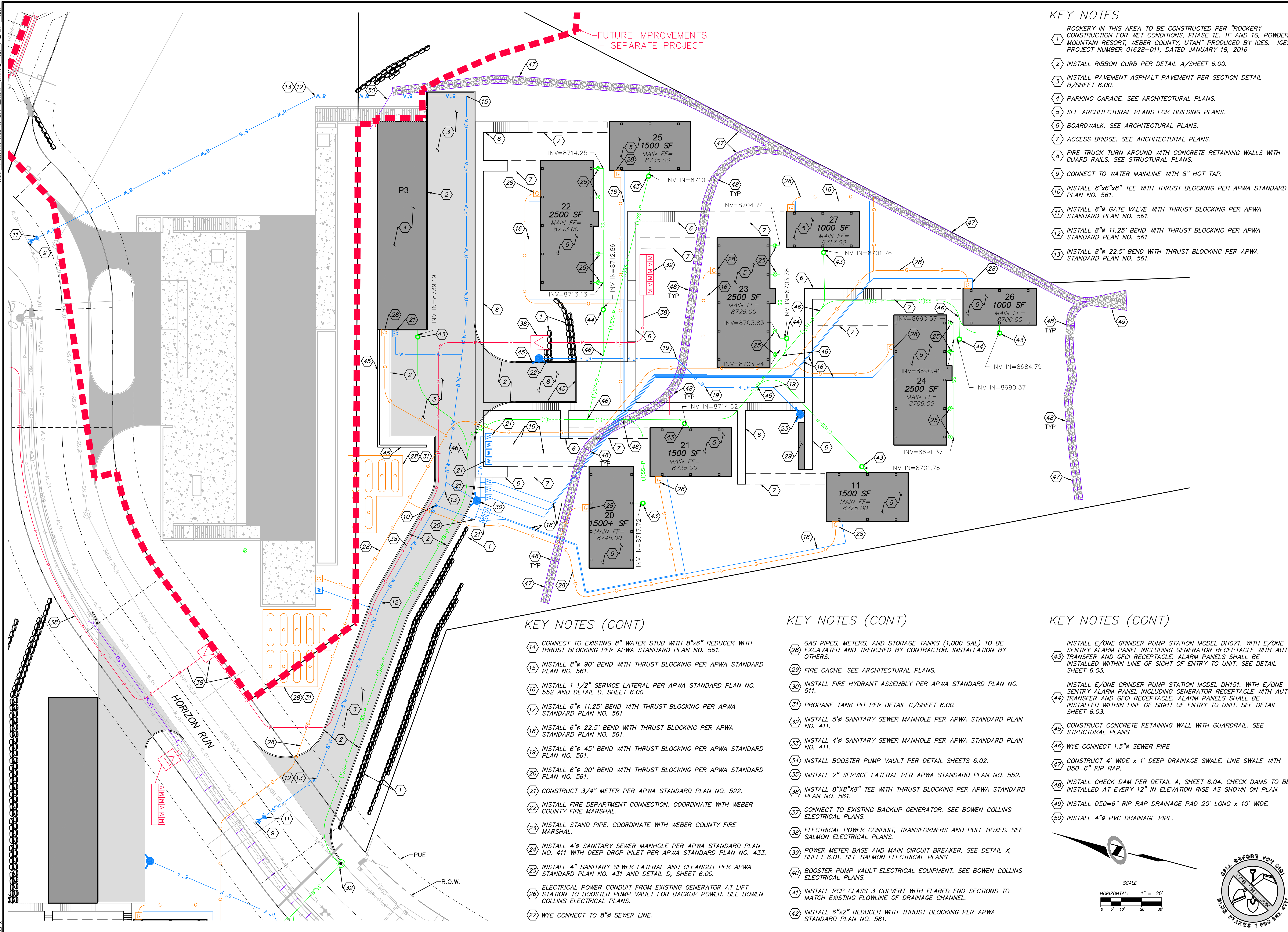
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 JOB NUMBER
SLB0793



37 AT EXISTING LIFT STATION GENERATOR SEE SHEET 1.02



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FUTURE IMPROVEMENTS
 - SEPARATE PROJECT

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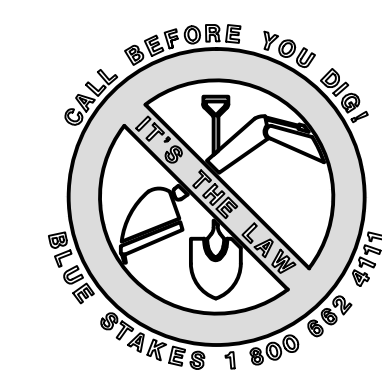
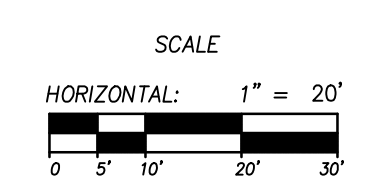
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- 48 INSTALL CHECK DAM PER DETAIL A, SHEET 6.04. CHECK DAMS TO BE INSTALLED AT EVERY 12" IN ELEVATION RISE AS SHOWN ON PLAN.
- 49 INSTALL D50=6" RIP RAP DRAINAGE PAD 20' LONG x 10' WIDE.
- 50 INSTALL 4" PVC DRAINAGE PIPE.



NO.	DATE	BY	REVISIONS

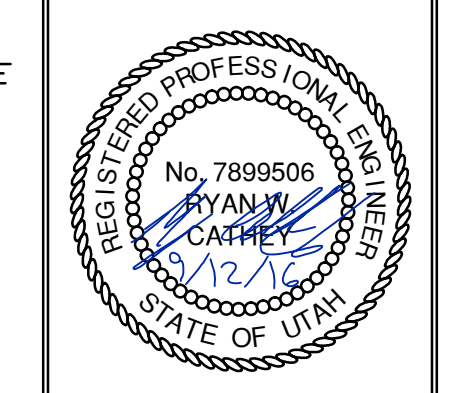
**HORIZON NEIGHBORHOOD PRUD
 SITE AND UTILITY PLAN - EAST**

PREPARED FOR: SUMMIT POWDER MOUNTAIN
 DATE SUBMITTED: 09-12-2016

MURRAY, UT 84007
 WWW.NV5.COM



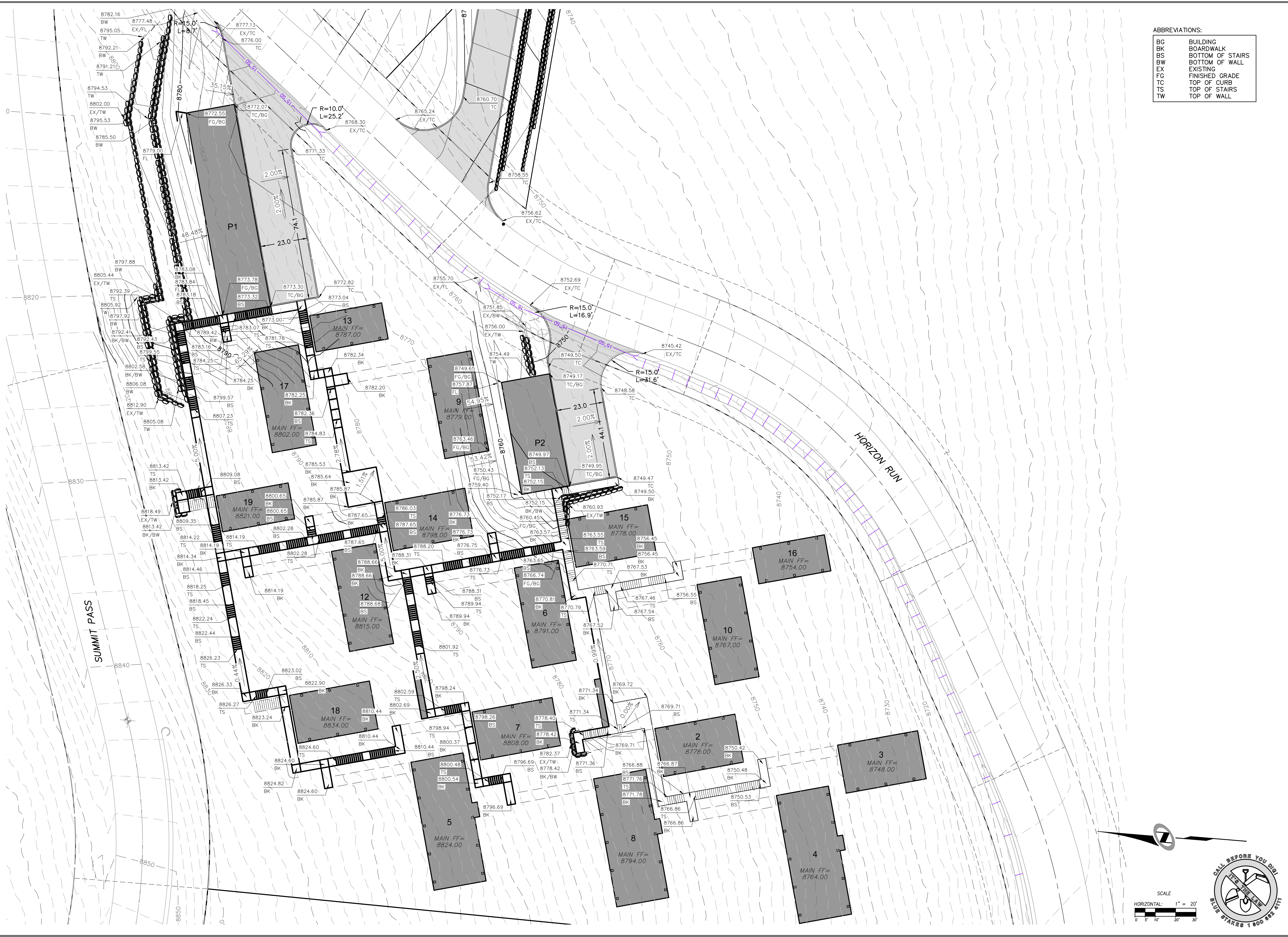
6217 SOUTH STATE STREET, SUITE 200
 8017433800 TEL. 8017433800 FAX



SHEET NUMBER
2.01
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 VERTICAL: 1" = N/A
 HORIZONTAL: 1" = 20'
 JOB NUMBER
SLB0793

DATE: 10/27/16 TIME: 2:52:11 PM DRAWING: GRADING AND DRAINAGE PLAN - WEST.DWG
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BOWDEN
 XREFS:



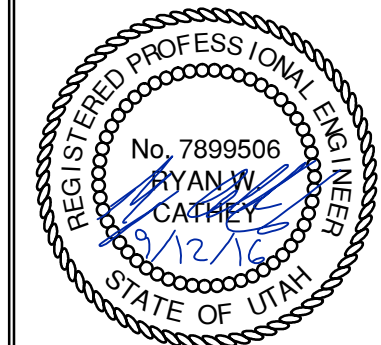
ABBREVIATIONS:

BC	BUILDING
BK	BOARDWALK
BS	BOTTOM OF STAIRS
BW	BOTTOM OF WALL
EX	EXISTING
FG	FINISHED GRADE
TC	TOP OF CURB
TS	TOP OF STAIRS
TW	TOP OF WALL

HORIZON NEIGHBORHOOD PRUD GRADING AND DRAINAGE PLAN - WEST



6217 SOUTH STATE STREET, SUITE 200
 8017433800 TEL. 8017433800 FAX



SHEET NUMBER	3.00
SCALE	HORIZONTAL: 1" = 20' VERTICAL: 1" = 20'
JOB NUMBER	SLB0793

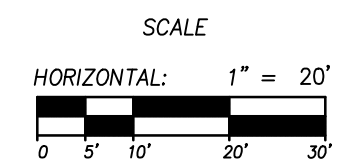
DATE SUBMITTED: 09-12-2016

PREPARED FOR: SUMMIT POWDER MOUNTAIN

MURRAY, UT 8407
 WWW.NVI5.COM

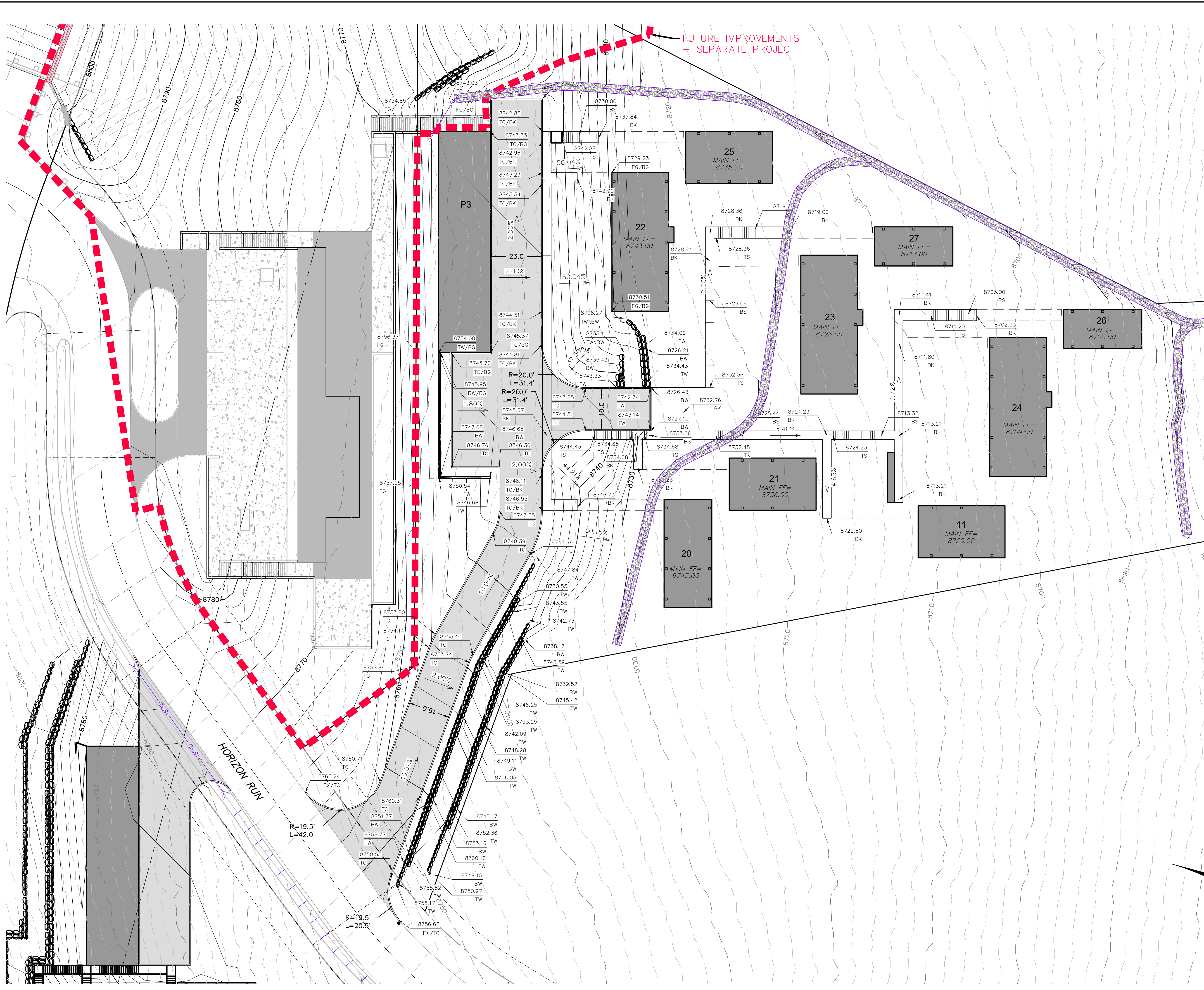
DATE: _____ BY: _____
 NO. _____

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DATE: 10/27/16 TIME: 2:54:12 PM DRAWING: GRADING AND DRAINAGE PLAN - EAST
 SERVER: NONE PLOT SETUP: PPT-1030-24x36 LAYOUT: LAYOUT1
 PATH: N:\S\B0793\CAD\HORIZON VILLAGE V.P. DESIGNED: JMM PROJ. NO: 16011

BOWDEN
 XREFS:



ABBREVIATIONS:

BC	BUILDING
BK	BOARDWALK
BS	BOTTOM OF STAIRS
BW	BOTTOM OF WALL
EX	EXISTING
FG	FINISHED GRADE
TC	TOP OF CURB
TS	TOP OF STAIRS
TW	TOP OF WALL

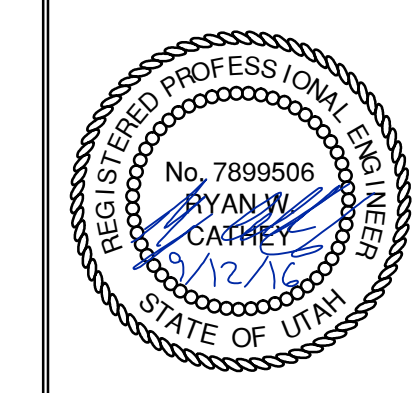
NO.	BY	DATE	REVISIONS

HORIZON NEIGHBORHOOD PRUD

GRADING AND DRAINAGE PLAN - EAST

PREPARED FOR: SUMMIT POWDER MOUNTAIN
 MURRAY, UT 84007
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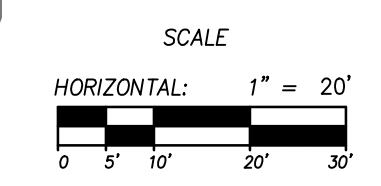
NV5
 6217 SOUTH STATE STREET, SUITE 200
 8017433800 TEL. 8017433800 FAX

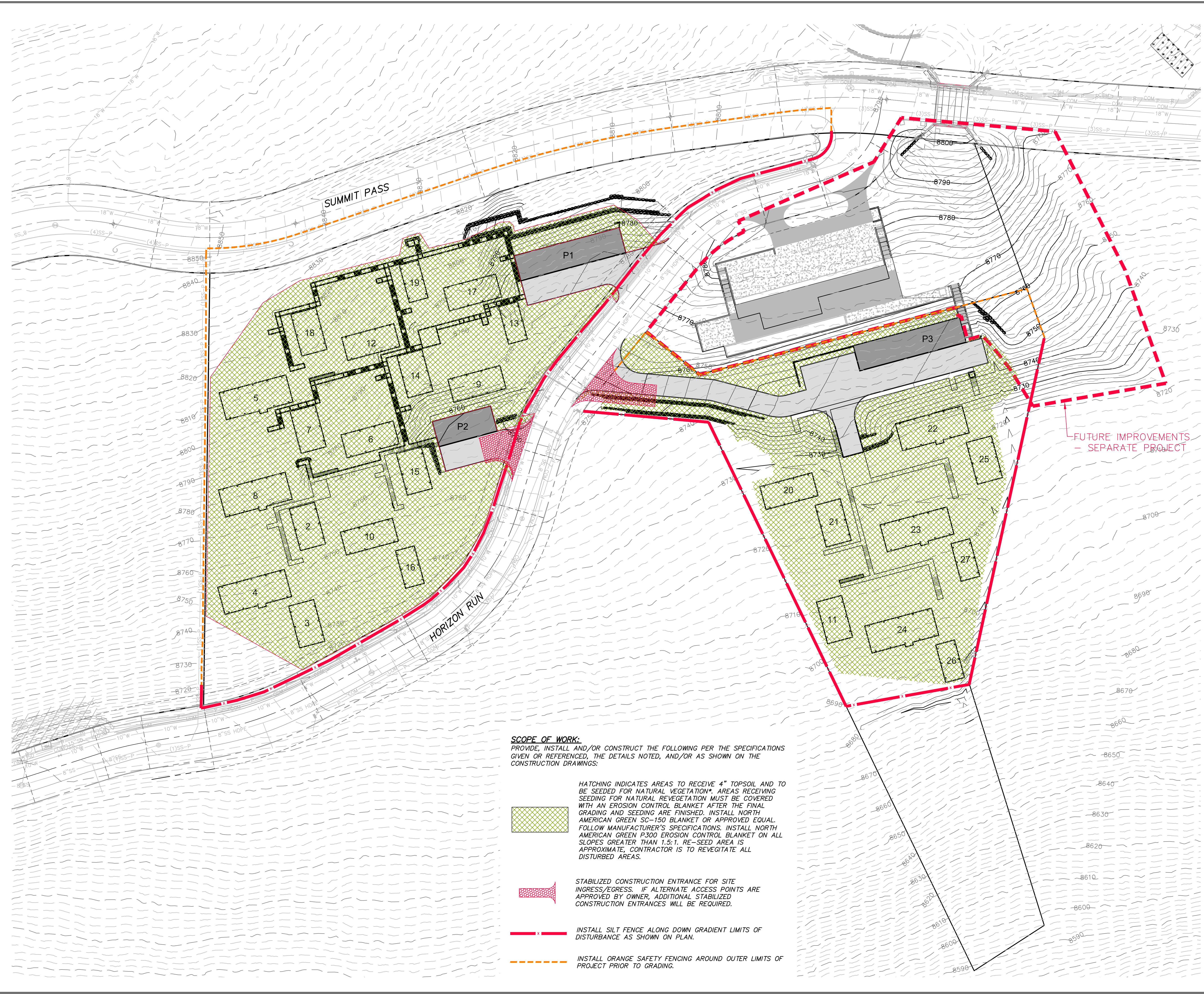


SHEET NUMBER
3.01
 SCALE
 VERTICAL: 1" = N/A
 HORIZONTAL: 1" = 20'
 JOB NUMBER
SLB0793

The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans, and must be approved by the preparer of these plans.

DATE SUBMITTED: 09-12-2016





SCOPE OF WORK:
 PROVIDE, INSTALL AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED, THE DETAILS NOTED, AND/OR AS SHOWN ON THE CONSTRUCTION DRAWINGS:

HATCHING INDICATES AREAS TO RECEIVE 4" TOPSOIL AND TO BE SEEDED FOR NATURAL VEGETATION*. AREAS RECEIVING SEEDING FOR NATURAL REVEGETATION MUST BE COVERED WITH AN EROSION CONTROL BLANKET AFTER THE FINAL GRADING AND SEEDING ARE FINISHED. INSTALL NORTH AMERICAN GREEN SC-150 BLANKET OR APPROVED EQUAL. FOLLOW MANUFACTURER'S SPECIFICATIONS. INSTALL NORTH AMERICAN GREEN P300 EROSION CONTROL BLANKET ON ALL SLOPES GREATER THAN 1.5:1. RE-SEED AREA IS APPROXIMATE. CONTRACTOR IS TO REVEGITATE ALL DISTURBED AREAS.

STABILIZED CONSTRUCTION ENTRANCE FOR SITE INGRESS/EGRESS. IF ALTERNATE ACCESS POINTS ARE APPROVED BY OWNER, ADDITIONAL STABILIZED CONSTRUCTION ENTRANCES WILL BE REQUIRED.

INSTALL SILT FENCE ALONG DOWN GRADIENT LIMITS OF DISTURBANCE AS SHOWN ON PLAN.

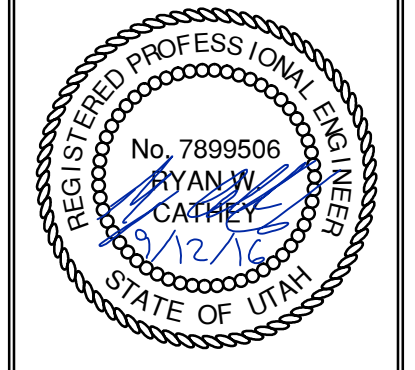
INSTALL ORANGE SAFETY FENCING AROUND OUTER LIMITS OF PROJECT PRIOR TO GRADING.

HORIZON NEIGHBORHOOD PRUD

EROSION CONTROL PLAN - OVERALL



6217 SOUTH STATE STREET, SUITE 200
 801743.8000 TEL. 801743.0800 FAX



SHEET NUMBER
4.00

SCALE
 VERTICAL: 1" = N/A
 HORIZONTAL: 1" = 40'

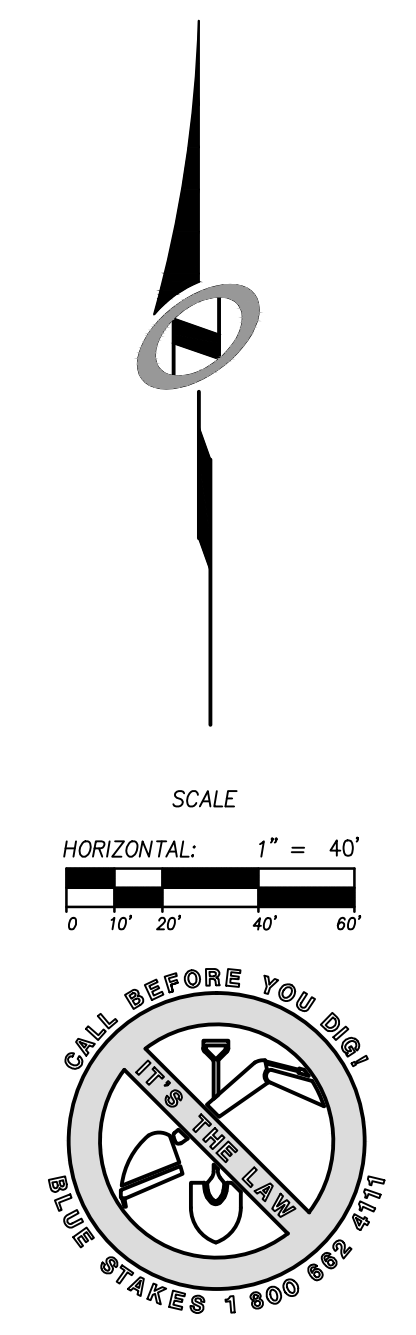
JOB NUMBER
SLB0793

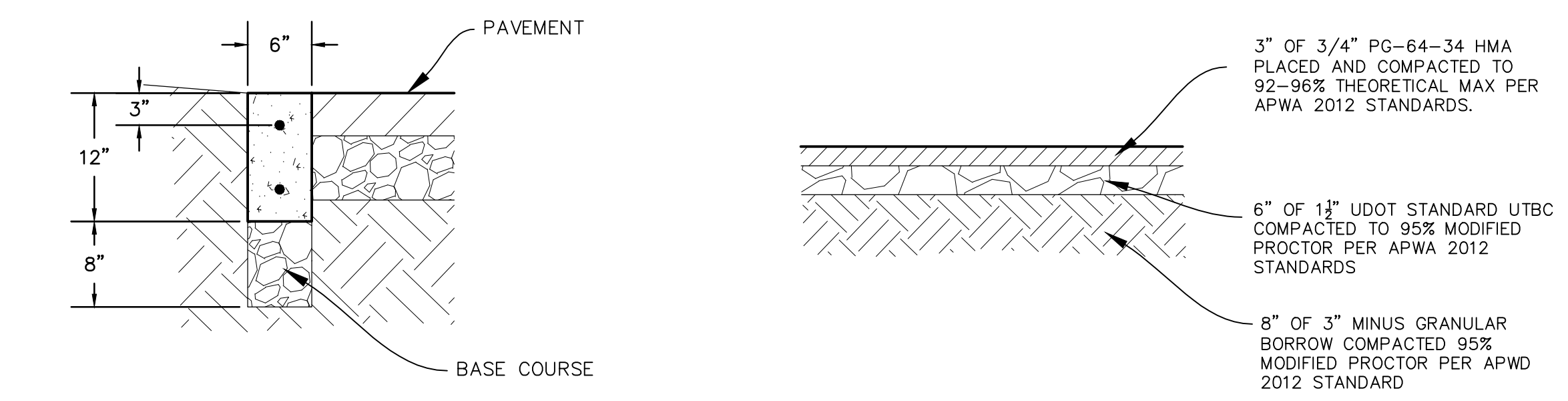
DATE SUBMITTED: 09-12-2016

PREPARED FOR: SUMMIT POWDER MOUNTAIN

MURRAY, UT 84407
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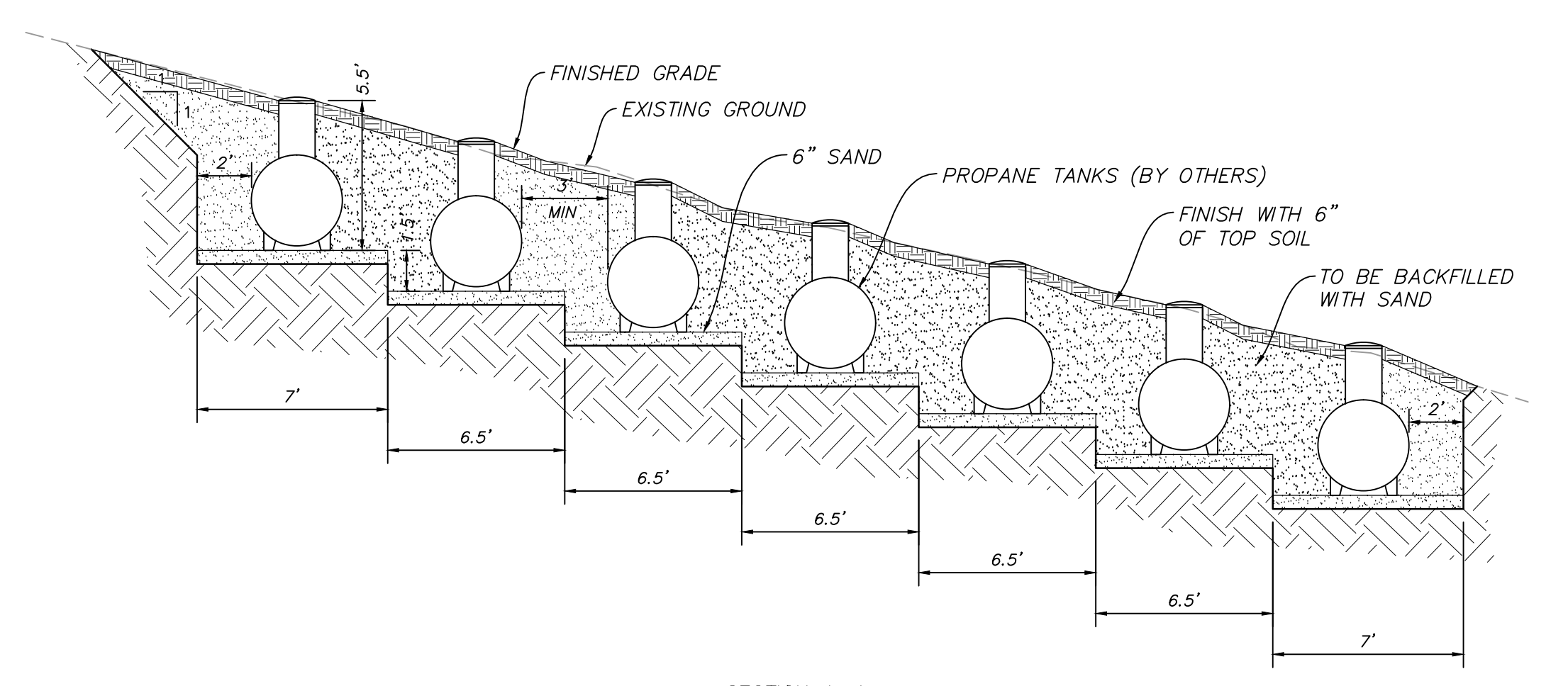
CAUTION
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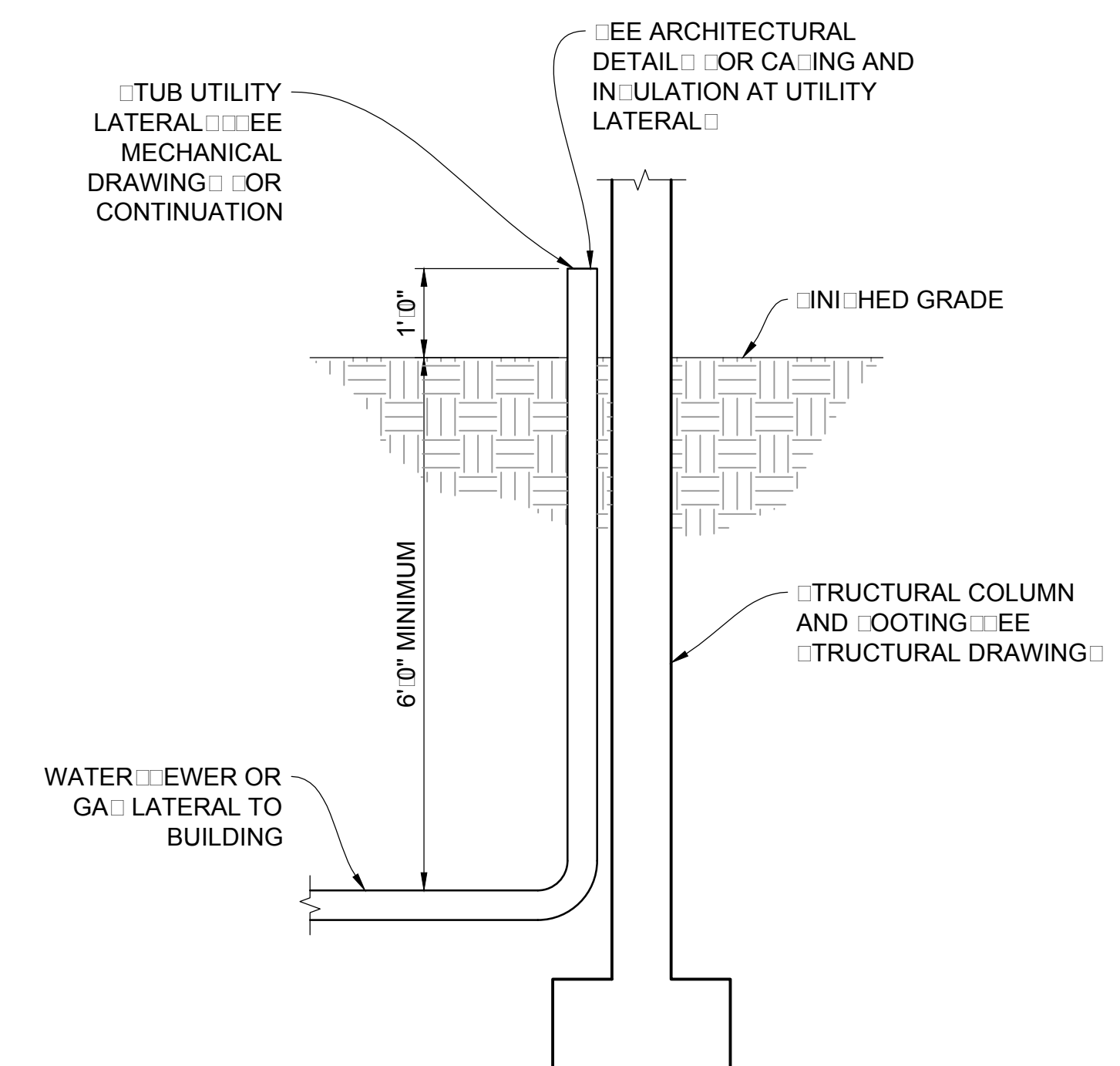
A RIBBON CURB
 (MODIFIED TYPE P CURB)
 NTS

B PARKING ASPHALT SECTION
 NTS



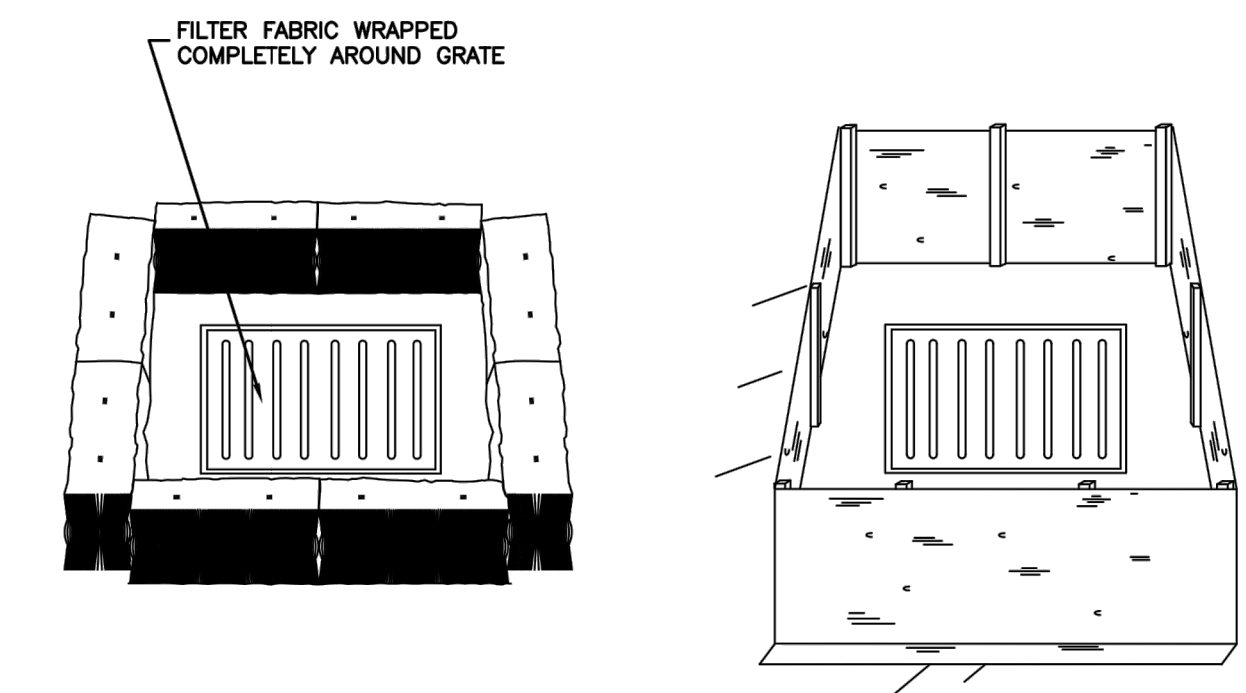
SECTION A-A

C PROPANE TANK PIT
 VAR NTS



D SERVICE LATERAL DETAIL
 VAR NTS

NARRATIVE: THIS PLAN MAY BE USED FOR THE CONSTRUCTION OF A STORM WATER BEST MANAGEMENT PRACTICE (BMP). IT IS NOT INCLUSIVE OF ALL PRACTICES AVAILABLE AND IS ONLY SPECIFIC TO THE CONSTRUCTION OF THIS TYPE. MAINTENANCE OF THIS TYPE OF INSTALLATION IS IMPORTANT AND SHOULD BE CONTINUOUSLY MONITORED BY THE CONTRACTOR AND ENGINEER. DETAILS SHOWN HERE HIGHLIGHT IMPORTANT PARTS OF CONSTRUCTION, AND SHOULD BE MODIFIED AS NEEDED.

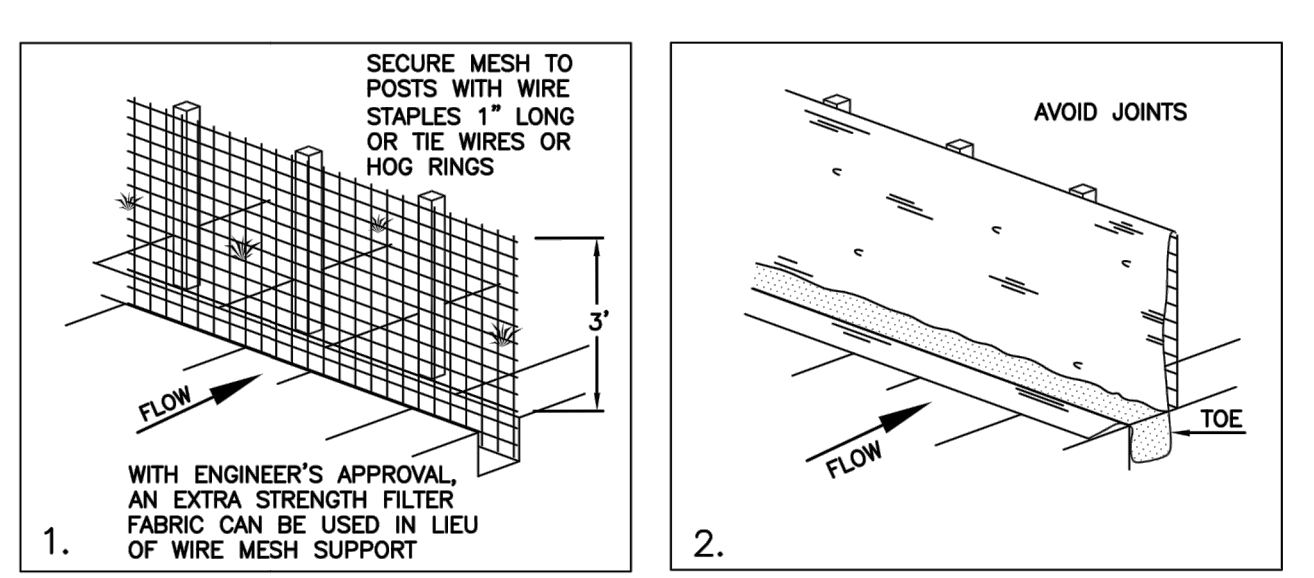


STRAW BALE BARRIER
 (PLAN No. 121)

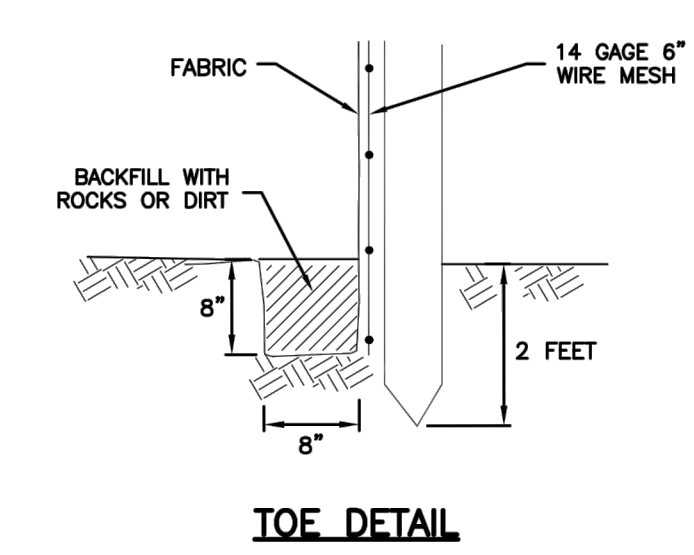
SILT FENCE
 (PLAN No. 122)

Inlet protection - fence or straw bale
 February 2006 15 Plan 124 Sheet 3 of 3

NARRATIVE: THIS PLAN MAY BE USED FOR THE CONSTRUCTION OF A STORM WATER BEST MANAGEMENT PRACTICE (BMP). IT IS NOT INCLUSIVE OF ALL PRACTICES AVAILABLE AND IS ONLY SPECIFIC TO THE CONSTRUCTION OF THIS TYPE. MAINTENANCE OF THIS TYPE OF INSTALLATION IS IMPORTANT AND SHOULD BE CONTINUOUSLY MONITORED BY THE CONTRACTOR AND ENGINEER. DETAILS SHOWN HERE HIGHLIGHT IMPORTANT PARTS OF CONSTRUCTION, AND SHOULD BE MODIFIED AS NEEDED.



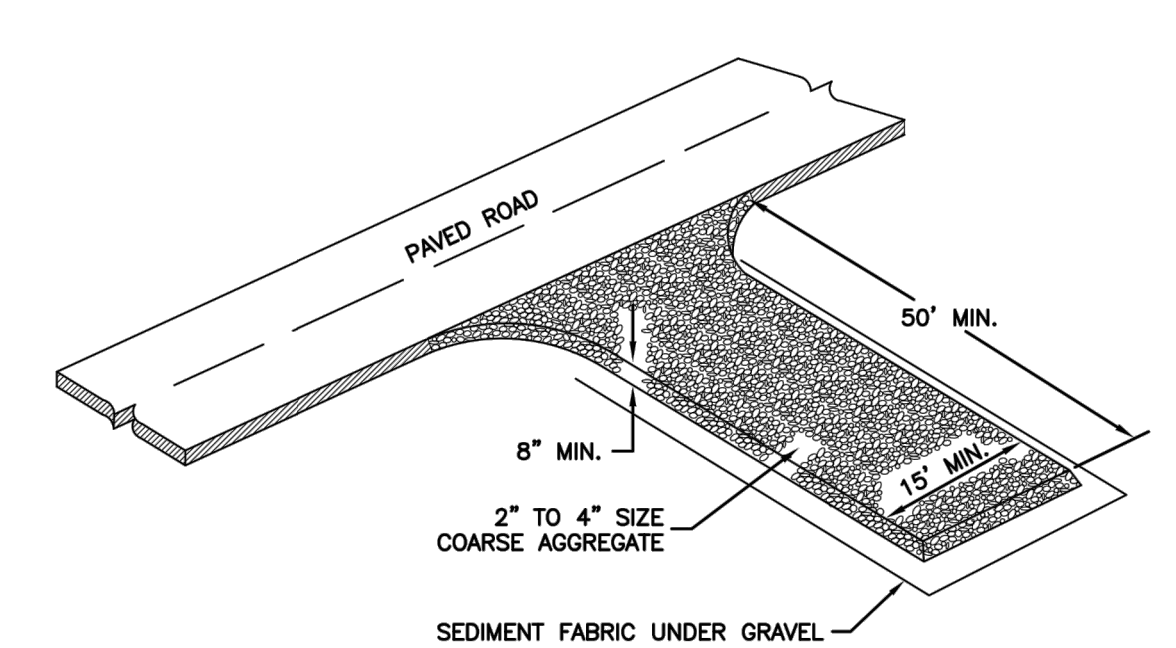
INSTALLATION SEQUENCE



TOE DETAIL

Silt fence
 February 2006 7 Plan 122

NARRATIVE: THIS PLAN MAY BE USED FOR THE CONSTRUCTION OF A STORM WATER BEST MANAGEMENT PRACTICE (BMP). IT IS NOT INCLUSIVE OF ALL PRACTICES AVAILABLE AND IS ONLY SPECIFIC TO THE CONSTRUCTION OF THIS TYPE. MAINTENANCE OF THIS TYPE OF INSTALLATION IS IMPORTANT AND SHOULD BE CONTINUOUSLY MONITORED BY THE CONTRACTOR AND ENGINEER. DETAILS SHOWN HERE HIGHLIGHT IMPORTANT PARTS OF CONSTRUCTION, AND SHOULD BE MODIFIED AS NEEDED.



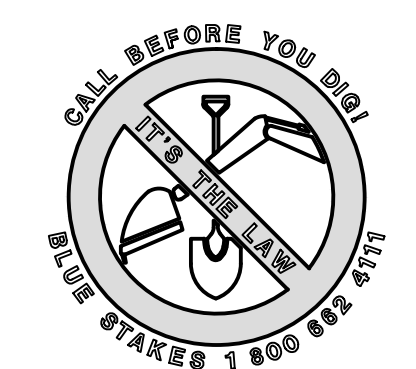
Stabilized roadway entrance
 February 2006 19 Plan 126

NO.	BY	DATE	REVISIONS

HORIZON NEIGHBORHOOD PRUD
DETAILS

NV5
 6217 SOUTH STATE STREET, SUITE 200
 801743.8000 TEL. 801743.0800 FAX
 MURRAY, UT 84407
 WWW.NV5.COM

REGISTERED PROFESSIONAL ENGINEER
 No. 7899506
 RYAN W. CATHEY
 STATE OF UTAH
 SHEET NUMBER
6.00
 SCALE
 VERTICAL: 1" = N/A
 HORIZONTAL: 1" = N/A
 JOB NUMBER
SLB0793



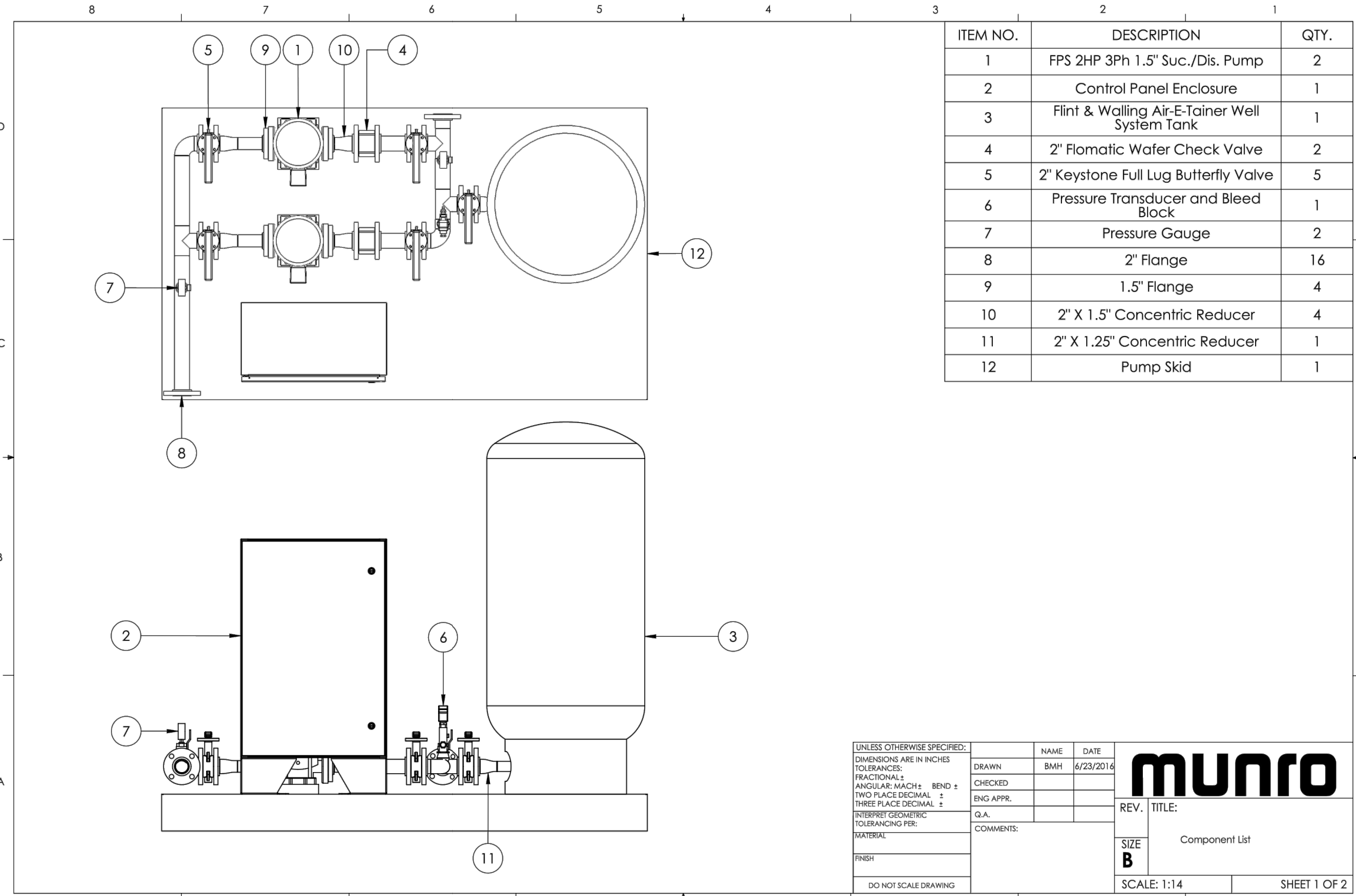
DATE SUBMITTED: 09-12-2016

PREPARED FOR: SUMMIT POWDER MOUNTAIN

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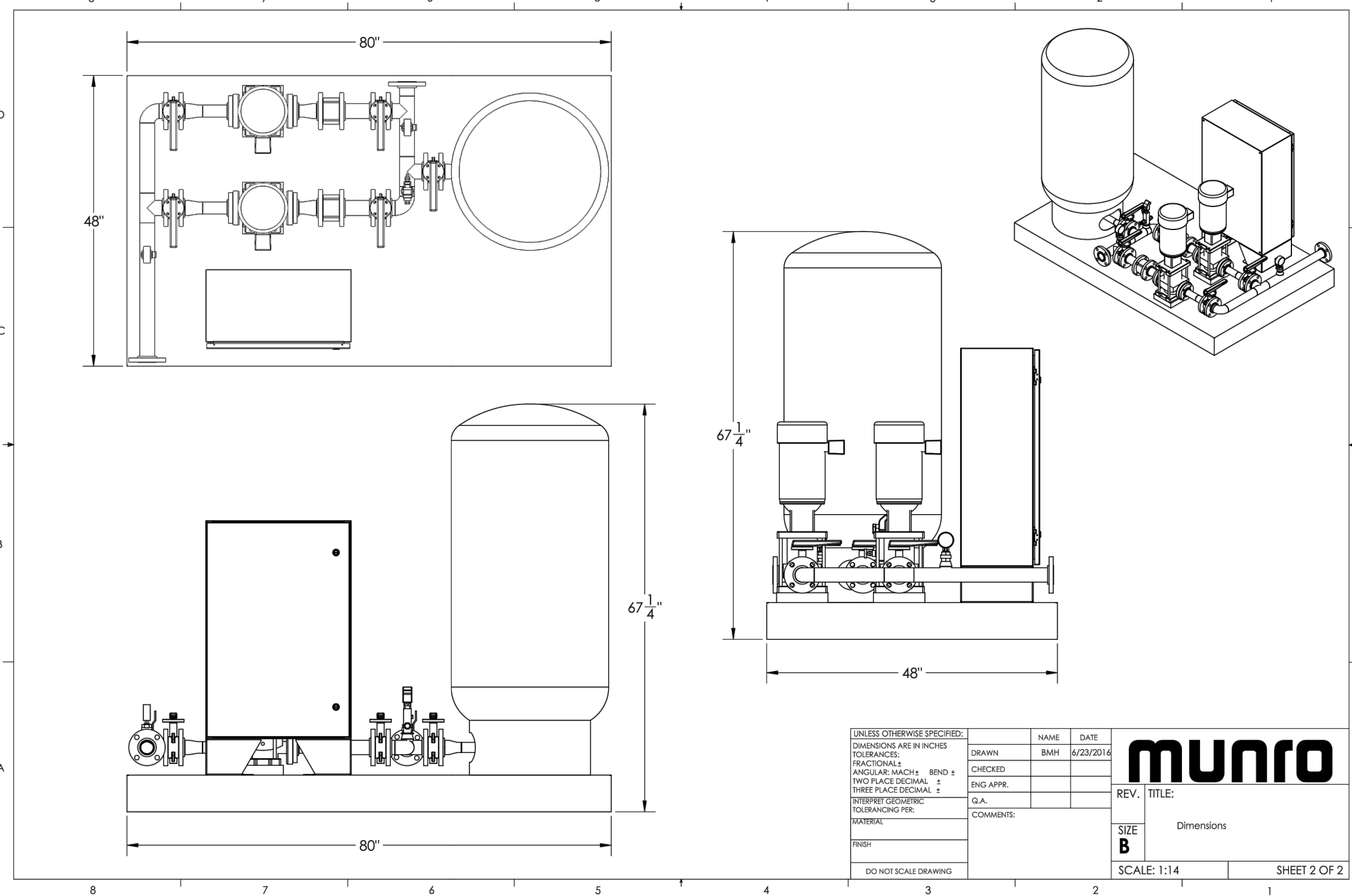
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SLB0793



UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN INCHES
 TO FINISH
 DECIMALS
 ANGULAR MEASUREMENTS
 HOLE DIMENSIONS
 SURFACE FINISH
 TOLERANCES
 UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN INCHES
 TO FINISH
 DECIMALS
 ANGULAR MEASUREMENTS
 HOLE DIMENSIONS
 SURFACE FINISH
 TOLERANCES

SCALE: 1:14 SHEET 1 OF 2



UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN INCHES
 TO FINISH
 DECIMALS
 ANGULAR MEASUREMENTS
 HOLE DIMENSIONS
 SURFACE FINISH
 TOLERANCES
 UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN INCHES
 TO FINISH
 DECIMALS
 ANGULAR MEASUREMENTS
 HOLE DIMENSIONS
 SURFACE FINISH
 TOLERANCES

SCALE: 1:14 SHEET 2 OF 2

Pump Data Sheet - Franklin Electric

Company: NVS
 Name: FPS 2HP 3Ph 1.5" Suc./Dis. Pump
 Date: 6/21/2016

Pump:
 Size: 5VR-2-8 stage
 Type: Multi-Stage
 Synch Speed: 3600 rpm
 Curve:
 Specific Speeds:
 Dimensions:

Search Criteria:
 Flow: 30 US gpm
 Head: 85 ft
 Fluid:
 Temperature: 60 °F
 Vapor Pressure: 0.2563 psi a
 Atm Pressure: 14.7 psi a
 NPSH_r: ---
 Suction: ---
 Discharge: ---

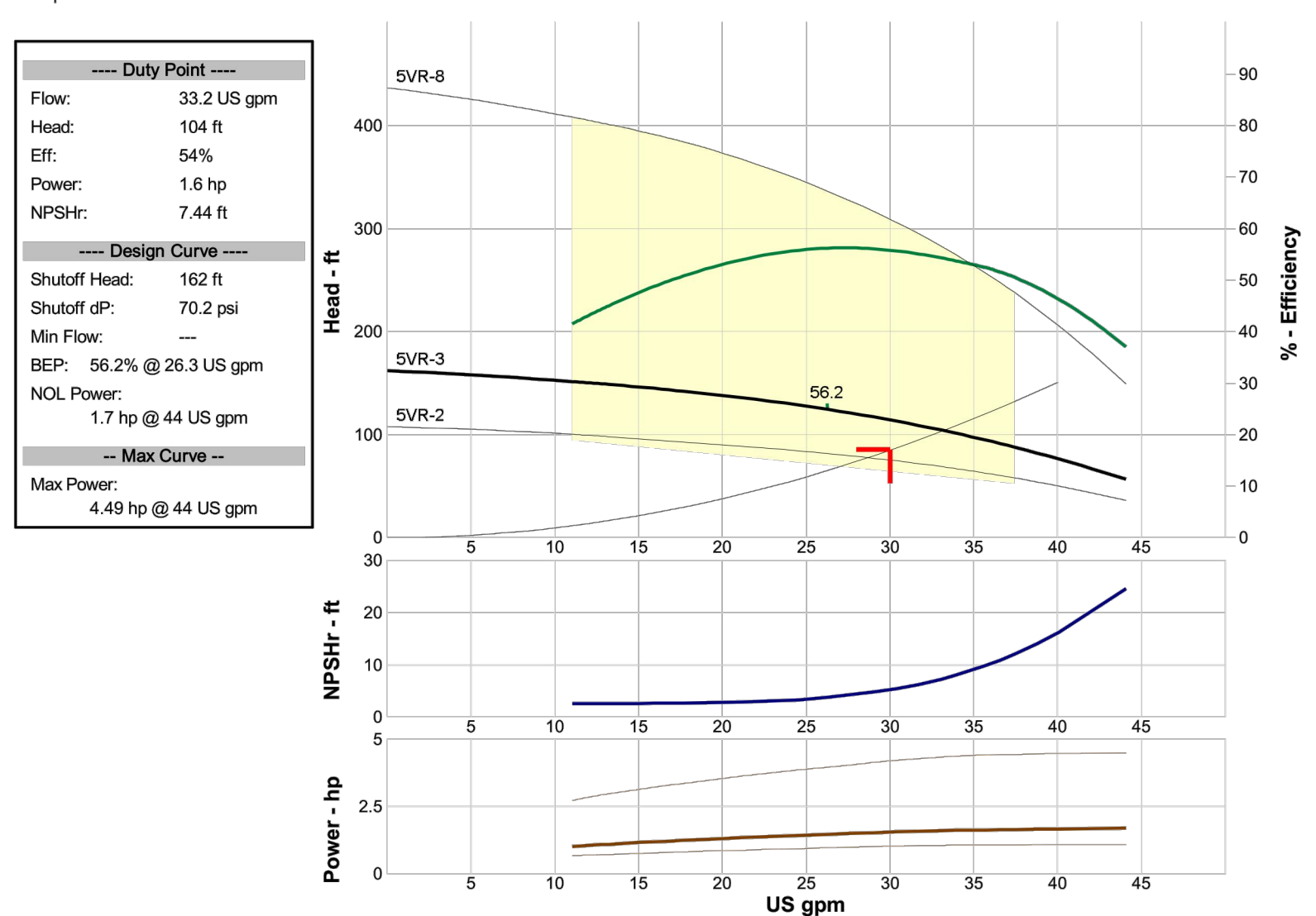
Motor:
 Standard: ---
 Enclosure: ---
 Sizing Criteria: none specified
 Power: ---
 Eye Area: ---

Pump Limits:
 Temperature: ---
 Pressure: ---
 Sphere Size: ---

Duty Point:
 Flow: 33.2 US gpm
 Head: 104 ft
 Eff: 54%
 Power: 1.6 hp
 NPSH_r: 7.44 ft

Design Curve:
 Shutoff Head: 162 ft
 Shutoff QP: 70.2 gpm
 Min Flow:
 BEP: 56.2% @ 26.3 US gpm
 NOL Power:
 1.7 hp @ 44 US gpm

Max Curve:
 Max Power:
 4.49 hp @ 44 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSH _r ft
36	3450	93.1	52	1.83	10.5
30	3450	113	55	1.54	5.74
24	3450	129	56	1.41	3.52
18	3450	141	51	1.26	2.74
12	3450	150	43	1.05	2.62

Selected from catalog: FFCentrifugal 60 Vers: 1.3

AIR-E-TAINER® WELL SYSTEM TANKS

Flint & Walling
 Zoeller Family of Water Solutions®

FW0019
 0616
 Supersedes
 0416

- In-line tanks pre-charged for 30-50 pressure switch - Vertical tanks pre-charged for either 30 - 50 or 40 - 60 Pressure switch
- 100 PSI maximum working pressure
- Powder-coated exterior and interior
- Butyl rubber parabolic diaphragm
- 5 year Limited Warranty

In-line tanks
 132477

Vertical Tanks
 132661 138875
 132662 135480
 132663 136876
 133517

AIR-E-TAINER® PRE-PRESSURIZED WELL SYSTEM TANKS

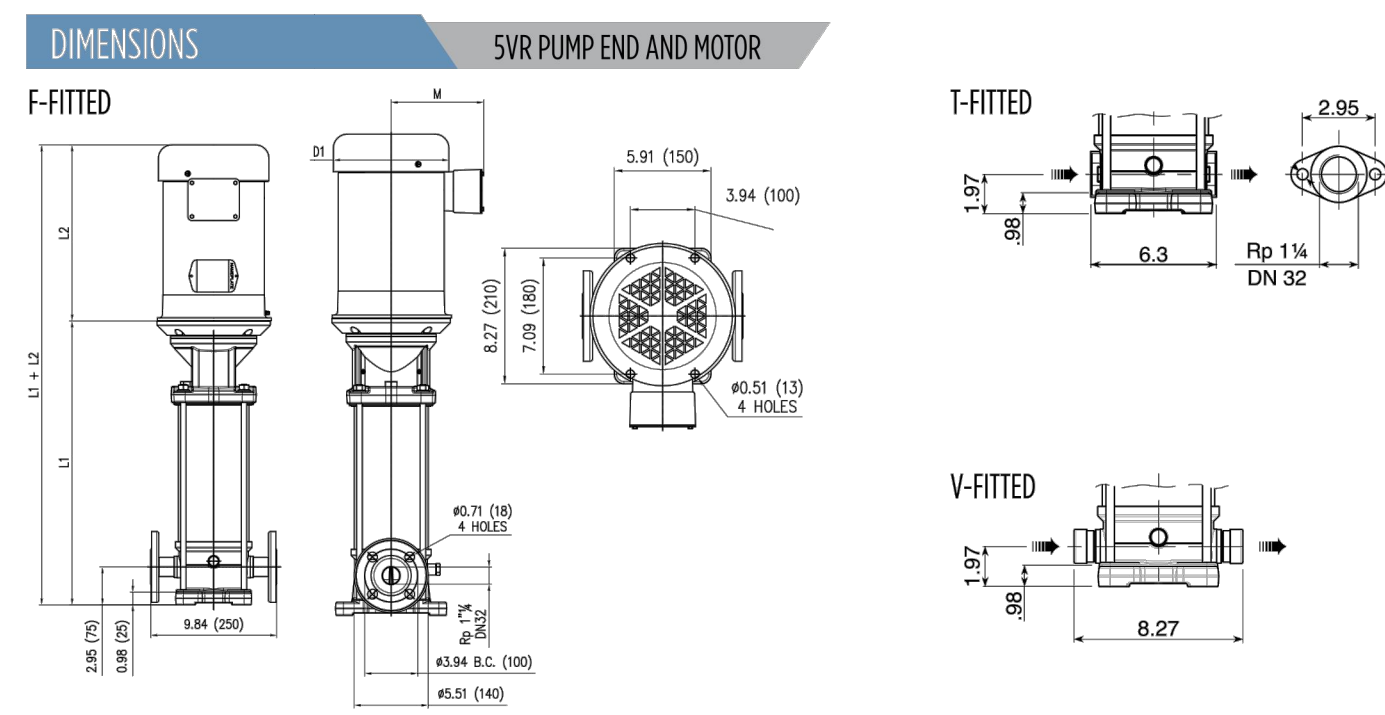
Part No.	Total Tank Vol. Gallons	Drawdown - Gallons by PSI Settings***	Approx. Size In. Dia x Ht	Ship Wt Lbs	NPT Size MTL	Factory Precharge PSIG	Max Working Pressure (PSI)	Max Working Temp
131009	2	0.7 0.8	8-1/4 x 10-1/8	5	3/4" M	23	100	140
132477	4.6	1.6 1.4	11 x 14-3/4	9	3/4" M	28	100	140
132661	14	5.2 4.3 3.7	15-3/8 x 24-3/4	25.5	1" F	38	100	200
132662	20	7.4 6.2 5.4	15-3/8 x 32-1/4	30	1" F	38	100	200
132663	36	13.3 11.1 9.7	20 x 38-5/8	45	1" F	38	100	200
133517	52	19.2 16.1 14	23-3/8 x 38-5/8	77	1-1/8" F	38	100	200
136875	66	23.9 20 17.5	23-3/8 x 48-3/8	97	1-1/4" F	38	100	200
135460	86	31.8 26.7 23.2	23-3/8 x 58	105	1-1/4" F	38	100	200
136876	119.5	44 37 32	26 x 61-1/4	165	1-1/4" F	38	100	200

***In keeping with current industry standards, drawdown factors are based on Boyle's law. Actual drawdowns will vary depending upon system variables, including the accuracy and operation of the pressure switch and gauge and operating temperature of the system.
 Caution: install a pressure relief valve on any installation where the pump pressure can exceed the tank's maximum working pressure.
 NOTE: Pre-charged tanks cannot ship via air freight.

NOTE: Pre-charged tanks cannot ship via air freight.

Flint & Walling | 95 North Oak Street | Kendallville, IN 46755
 800-345-9422 | www.flintandwalling.com

MULTI-STAGE PUMPS
 VERTICAL VR SERIES



Pump End Dimensions (in)

Stages	HP	U1/F1	Model No.
2	1	13.49	SVR2-60 N
3	1.5	14.44	SVR3-60 N
4	2	14.99	SVR4-60 N
5	3	15.93	SVR5-60 N
6	3	17.29	SVR6-60 N
7	5	18.25	SVR7-60 N
8	5	19.19	SVR8-60 N

Pump End Dimensions (in)

Stages	HP	U1/F1	Model No.
9	5	20.14	SVR9-60 N
10	5	21.08	SVR10-60 N
11	7.5	21.54	SVR11-60 N
12	7.5	22.48	SVR12-60 N
13	7.5	23.43	SVR13-60 N
14	7.5	24.37	SVR14-60 N
15	7.5	25.31	SVR15-60 N

F-Fitted*: Round flanges on body type PN2--pump is supplied without joints, bolts, and counter flanges.
 T-Fitted*: Oval flanges on body type PN5--pump is supplied without oval counter flanges for pipe to be screwed, joints, and bolts.
 V-Fitted*: Connections with rapid fittings type "Victualc"---pump is supplied without collars.

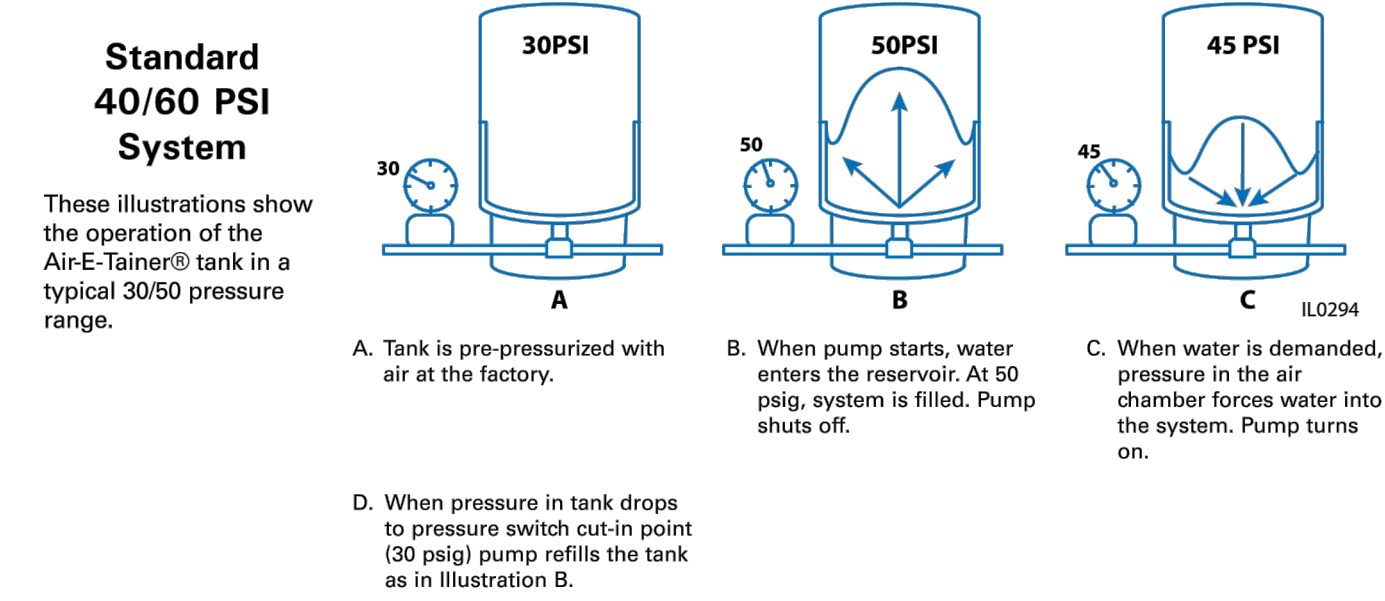
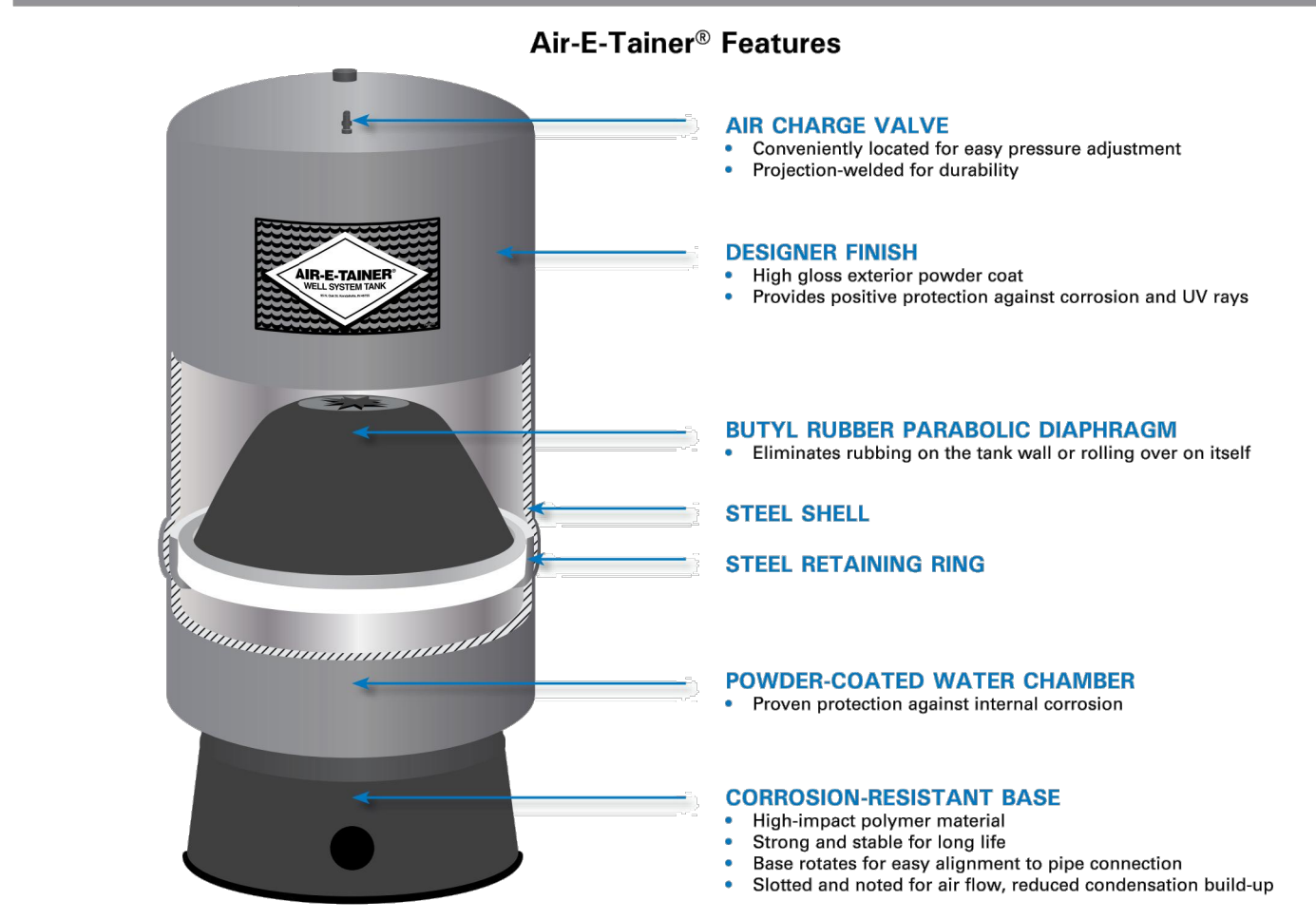
Motor Dimensions (in)

Phase	HP	Frame	Standard Efficiency ODP			Premium Efficiency ODP			Phase	Standard Efficiency TEFC			Standard Efficiency TEFC					
			Volts	L2	M	D1	Volts	L2		M	D1	Volts	L2	M	D1			
1	5SC		12.72	5.06	6.19				3	115/230	12.72	5.06	6.19	115/230	12.72	5.06	6.19	
	15 SC		12.72	5.06	6.2	N/A	N/A	N/A		208-230/460	12.72	5.06	6.2	N/A	N/A	N/A	N/A	
	2 SC		12.72	5.06	6.2	N/A	N/A	N/A		208-230/460	12.72	5.06	6.2	N/A	N/A	N/A	N/A	
	7 SC		12.72	5.06	6.2	N/A	N/A	N/A		208-230/460	12.72	5.06	6.2	N/A	N/A	N/A	N/A	
3	5SC		16.55	5.61	8.92	208-230/460	15.62	6.75	8.5	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	15 SC		16.55	5.61	8.92	208-230/460	15.62	6.75	8.5		230	16.55	5.61	8.5	N/A	N/A	N/A	N/A
	18/24TC		16.55	5.61	8.92	208-230/460	15.62	6.75	8.5		N/A	16.55	5.61	8.5	N/A	N/A	N/A	N/A
	75 SC		16.55	5.61	8.92	208-230/460	15.62	6.75	8.5		N/A	16.55	5.61	8.5	N/A	N/A	N/A	N/A

NOTE: Dimensions for round flange units are for estimating purposes only.

AIR-E-TAINER® WELL SYSTEM TANKS

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 Zoeller Family of Water Solutions®



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DATE SUBMITTED: 09-12-2016

PREPARED FOR: SUMMIT POWDER MOUNTAIN

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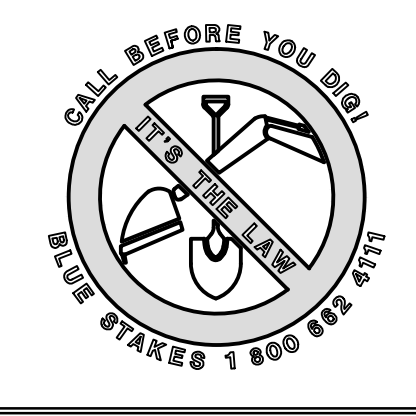
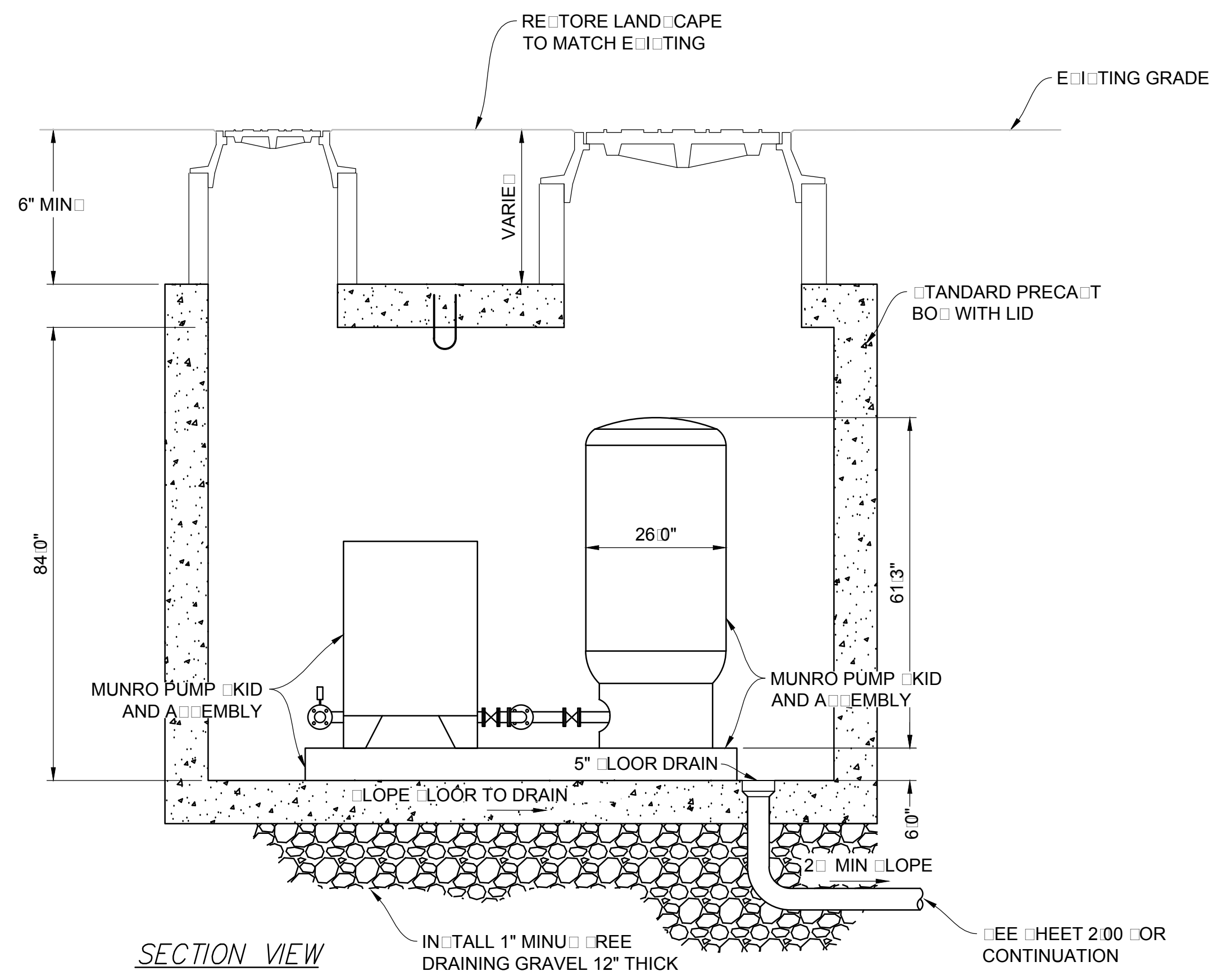
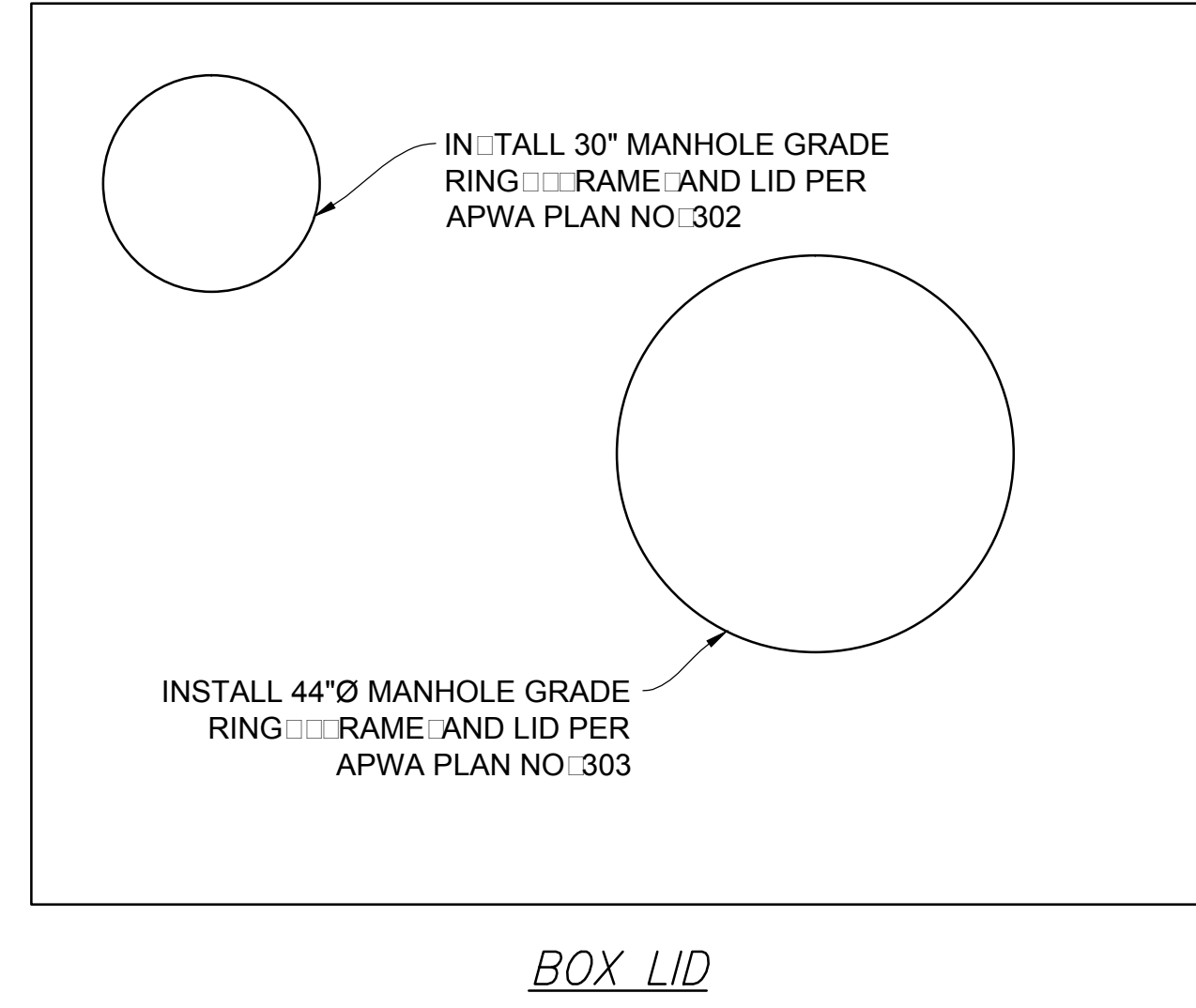
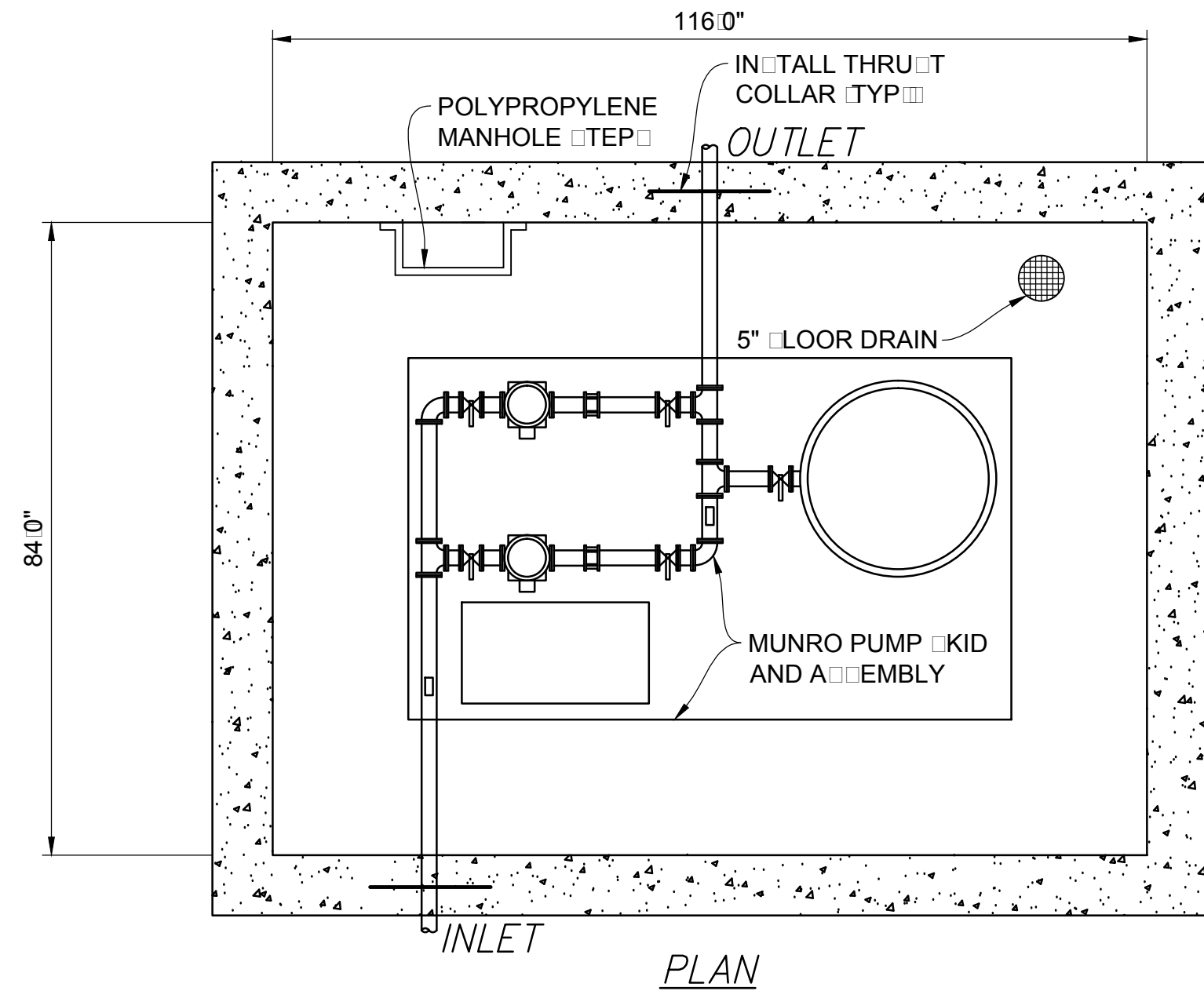
NVS

REGISTERED PROFESSIONAL ENGINEER
 No. 7899506
 RYAN W. CATHEY
 STATE OF UTAH

SHEET NUMBER
6.01

SCALE
 VERTICAL: 1" = N/A
 HORIZONTAL: 1" = N/A

JOB NUMBER
SLB0793



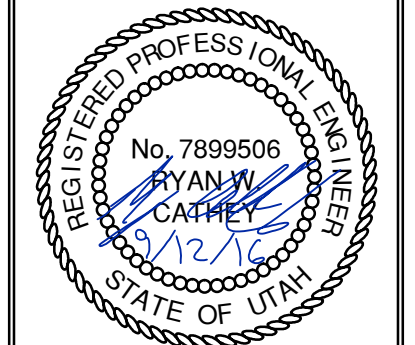
NO.	BY	DATE	REVISIONS

CAUTION
 The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. The user of these plans is advised that any and all such changes and uses must be approved by the preparer of these plans.

HORIZON NEIGHBORHOOD PRUD BOOSTER PUMP DETAILS

PREPARED FOR: SUMMIT POWDER MOUNTAIN DATE SUBMITTED: 09-12-2016

MURRAY, UT 8407
 WWW.NV5.COM
 6217 SOUTH STATE STREET, SUITE 200
 801743.8000 TEL. 801743.0900 FAX



SHEET NUMBER
6.02
 SCALE
 VERTICAL: 1" = N/A
 HORIZONTAL: 1" = N/A
 JOB NUMBER
SLB0793

DATE: 10/27/16 TIME: 2:58:04 PM DRAWING NAME: 603 - DETAILS.DWG
 SERVER: NONE PAGE SETUP: PFD-030-24-08 LAYOUT: 1
 PART: NA0050P02 PROJECT: HORIZON VILLAGE W/P RESOURCES: HORIZON VILLAGE W/P

OPTIONS: DH071 (HARD WIRED LEVEL CONTROLS)
 DR071 (WIRELESS LEVEL CONTROLS)

FIELD JOINT REQUIRED FOR MODELS DH071-129 / DR071-129 & DH071-160 / DR071-160

Labels include: GASKETED LID, HDPE; STRAIN RELIEF CORD CONNECTOR; PROTECTIVE CABLE SHROUD (HDPE); POWER/ALARM CABLE 12-6 W/GND; E/ONE EQUALIZER; INTERNAL WELL VENT 2.0" DIA.; INLET, GROMMET TO ACCEPT 4.50" O.D. PVC PIPE (STANDARD); DUST COVER SUPPLIED FOR SHIPMENT (NOT SUITABLE FOR BURIAL); ALARM; ON; OFF; 18 in 447 mm; 47 gal 179 L; 32 gal 121 L; 26 in 650 mm; TO INLET; 36.0 in 914 mm; DISCHARGE 1-1/4" FPT; 1-1/4" DISCHARGE LINE (304 S.S.); CHECK VALVE (NORYL); ANTI-SIPHON VALVE (NORYL); 41.6 in 1057 mm TO DISCHARGE; 29.5 DIA in 749 mm; 14 in 345 mm; 24 gal 91 L; HDPE TANK, CORRUGATED 70 GALLON CAPACITY; SEMI-POSITIVE DISPLACEMENT TYPE PUMP, EACH DIRECTLY DRIVEN BY A 1 HP MOTOR.

CONCRETE BALLAST MAY BE REQUIRED SEE INSTALLATION INSTRUCTION FOR DETAILS

NOTE: DIMENSIONS ARE FOR REF ONLY

AD	CH	10/20/10	D	
DR BY	CHK'D	DATE	ISSUE	SCALE

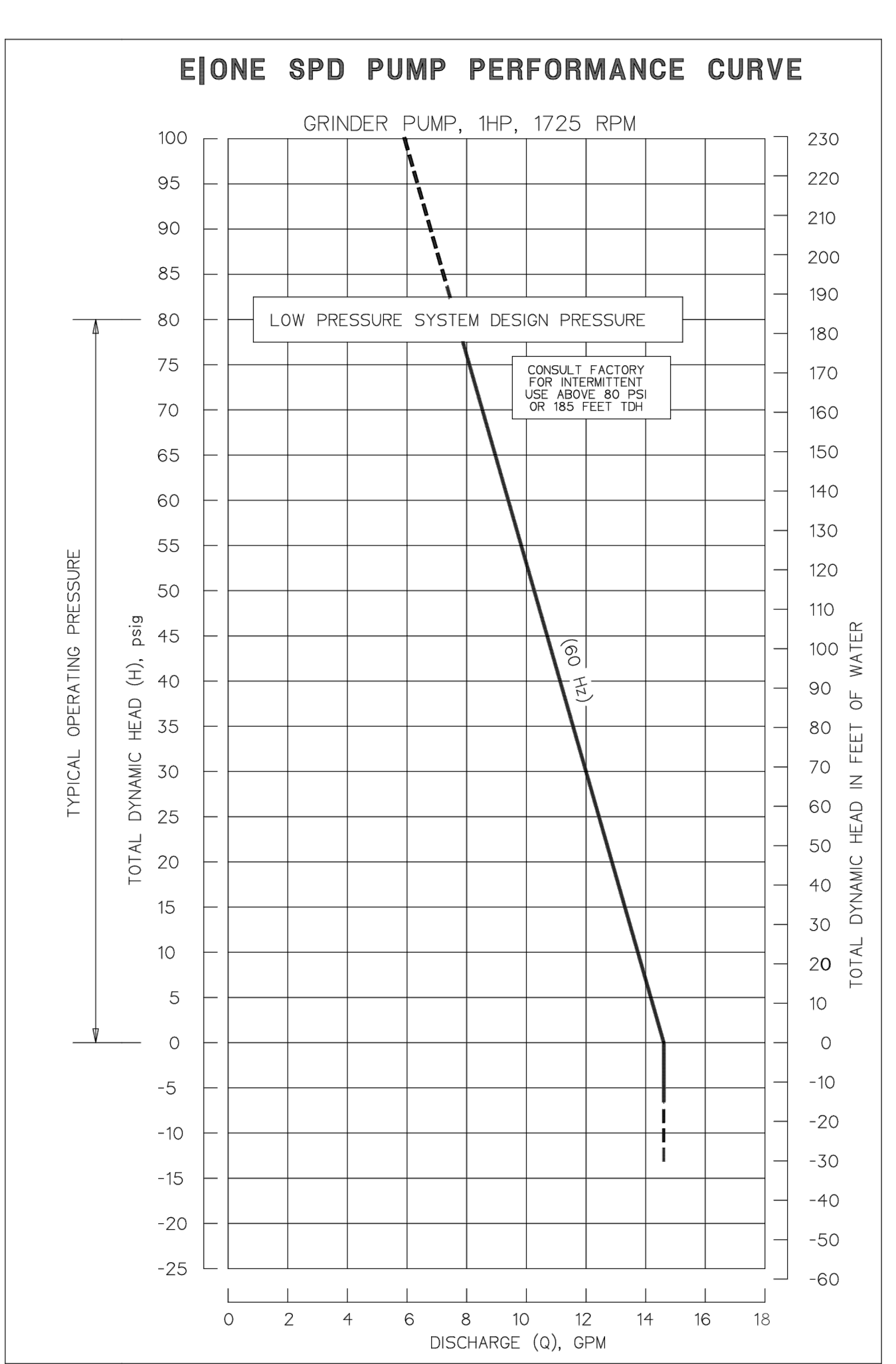
eone SEWER SYSTEMS
 MODEL DH071 / DR071
 DETAIL SHEET
 NA0050P02

OPTIONS: DH071-124 (HARD WIRED LEVEL CONTROLS)
 DR071-124 (WIRELESS LEVEL CONTROLS)

Labels include: GRADE MUST SLOPE AWAY FROM STATION; GRADE; 76" COVER OVER DISCH; 84" INVERT DEPTH; 123.3"; 41.6"; 36.0"; DISCHARGE 1-1/4" FEMALE PIPE THREAD; INLET, GROMMET FOR 4" DWV PIPE (STANDARD); Ø 29.5"; CONCRETE BALLAST MAY BE REQUIRED SEE INSTALLATION INSTRUCTIONS FOR DETAILS; NOTE: DIMENSIONS ARE FOR REF ONLY.

AD	CAH	07/13/07	B	1/16
DR BY	CHK'D	DATE	ISSUE	SCALE

eone SEWER SYSTEMS
 MODEL DH071-124 / DR071-124
 NA0050P07



OPTIONS: DH151 (HARD WIRED LEVEL CONTROLS)
 DR151 (WIRELESS LEVEL CONTROLS)

FIELD JOINT REQUIRED FOR MODELS DH151-129 / DR151-129 & DH151-160 / DR151-160

Labels include: GASKETED LID, HDPE; STRAIN RELIEF CORD CONNECTOR; E/ONE EQUALIZER; DUAL WALL CORRUGATED HDPE ACCESSWAY; INTERNAL WELL VENT 2.0" DIAMETER; INLET, GROMMET TO ACCEPT 4.50" O.D. PVC PIPE (STANDARD); DUST COVER SUPPLIED FOR SHIPMENT (NOT SUITABLE FOR BURIAL); ALARM; ON; OFF; 29 in 737 mm; 116 gal 439 L; 21 in 534 mm; 84 gal 318 L; 17 in 432 mm; 66 gal 250 L; 43.9 in 1115 mm; DISCHARGE 1 1/4" FPT; 1 1/4" DISCHARGE LINE (304 S.S.); CHECK VALVE (NORYL); ANTI-SIPHON VALVE (NORYL); 1/2" NOMINAL WALL THICKNESS 150 GALLON CAPACITY; SEMI-POSITIVE DISPLACEMENT TYPE PUMP DIRECTLY DRIVEN BY A 1 HP MOTOR.

CONCRETE BALLAST MAY BE REQUIRED SEE INSTALLATION INSTRUCTIONS FOR DETAILS

NOTE: DIMENSIONS ARE FOR REFERENCE ONLY

AD	CH	10/20/10	D	
DR BY	CHK'D	DATE	ISSUE	SCALE

eone SEWER SYSTEMS
 MODEL DH151 / DR151
 DETAIL SHEET
 NA0051P02

OPTIONS: DH151-129 (HARD WIRED LEVEL CONTROLS)
 DR151-129 (WIRELESS LEVEL CONTROLS)

Labels include: GRADE MUST SLOPE AWAY FROM STATION; GRADE; 78" COVER OVER DISCH; 86" INVERT DEPTH; 127.1"; 43.9"; 38.4"; DISCHARGE 1-1/4" FEMALE PIPE THREAD; INLET, EPDM GROMMET FOR 4" DWV PIPE (STANDARD); Ø 38.8"; BALLAST CONTAINMENT RING; 3/8" STAINLESS STEEL HARDWARE - FIELD ASSEMBLY - (16 PLACES); SIKKA TAPE - FIELD LOCATE; DETAIL, FIELD JOINT; SEE INSTALLATION INSTRUCTIONS FOR FURTHER DETAILS; CONCRETE BALLAST MAY BE REQUIRED SEE INSTALLATION INSTRUCTIONS FOR DETAILS; NOTE: DIMENSIONS ARE FOR REFERENCE ONLY.

AD	CAH	07/13/07	C	1/16
DR BY	CHK'D	DATE	ISSUE	SCALE

eone SEWER SYSTEMS
 MODEL DH151-129 / DR151-129
 NA0051P07

SIMPLEX SENTRY

REDUNDANT RUN (HIGH LEVEL)
 EXTERNAL VISUAL & AUDIBLE ALARM
 EXTERNAL LATCHING MANUAL SILENCE
 MANUAL RUN
 PUMP RUN INDICATOR
 CONFORMAL COATED CIRCUIT BOARD
 PADLOCK
 NEMA 4X ENCLOSURE ASSEMBLY
 CORROSION PROOF THERMOPLASTIC POLYESTER APPROVED BY UL FOR ELECTRICAL CONTROL ENCLOSURE

Labels include: RED; 15.42; 13.84; 11.55; ALARM LAMP; SILENCE SWITCH; ALARM LAMP; SILENCE SWITCH; PUMP POWER; MANUAL RUN; ALARM RETURN; TO PUMP; PUMP POWER; MANUAL RUN; ALARM RETURN; 2000S EXTREME; 1 MANUAL RUN RED BROWN; 2 L1 BLACK RED; 3 N WHITE BLACK; 4 GND GREEN GROUND; 5 ALARM FEED ORANGE YELLOW; 6 ALARM RETURN BLUE BLUE.

CONTROL CABLE: TYPE 1C, DIRECT BURIAL, 12AWG, SIX CONDUCTOR

CE UPC® ASME A112.3.4
 LR28268 LISTED 500D

AD	SM	01/9/08	D	N/A
DR BY	CHK'D	DATE	ISSUE	SCALE

eone SEWER SYSTEMS
 SIMPLEX SENTRY, 120V 60Hz.
 SINGLE POLE POWER
 LM000327

BOWDEN XREFS:

HORIZON NEIGHBORHOOD PRUD
 SEWER EJECTOR DETAILS

DATE SUBMITTED: 09-12-2016

PREPARED FOR: SUMMIT POWDER MOUNTAIN

MURRAY, UT 84007
 WWW.NV5.COM

NV5

6217 SOUTH STATE STREET, SUITE 200
 801743.8800 TEL. 801743.0800 FAX

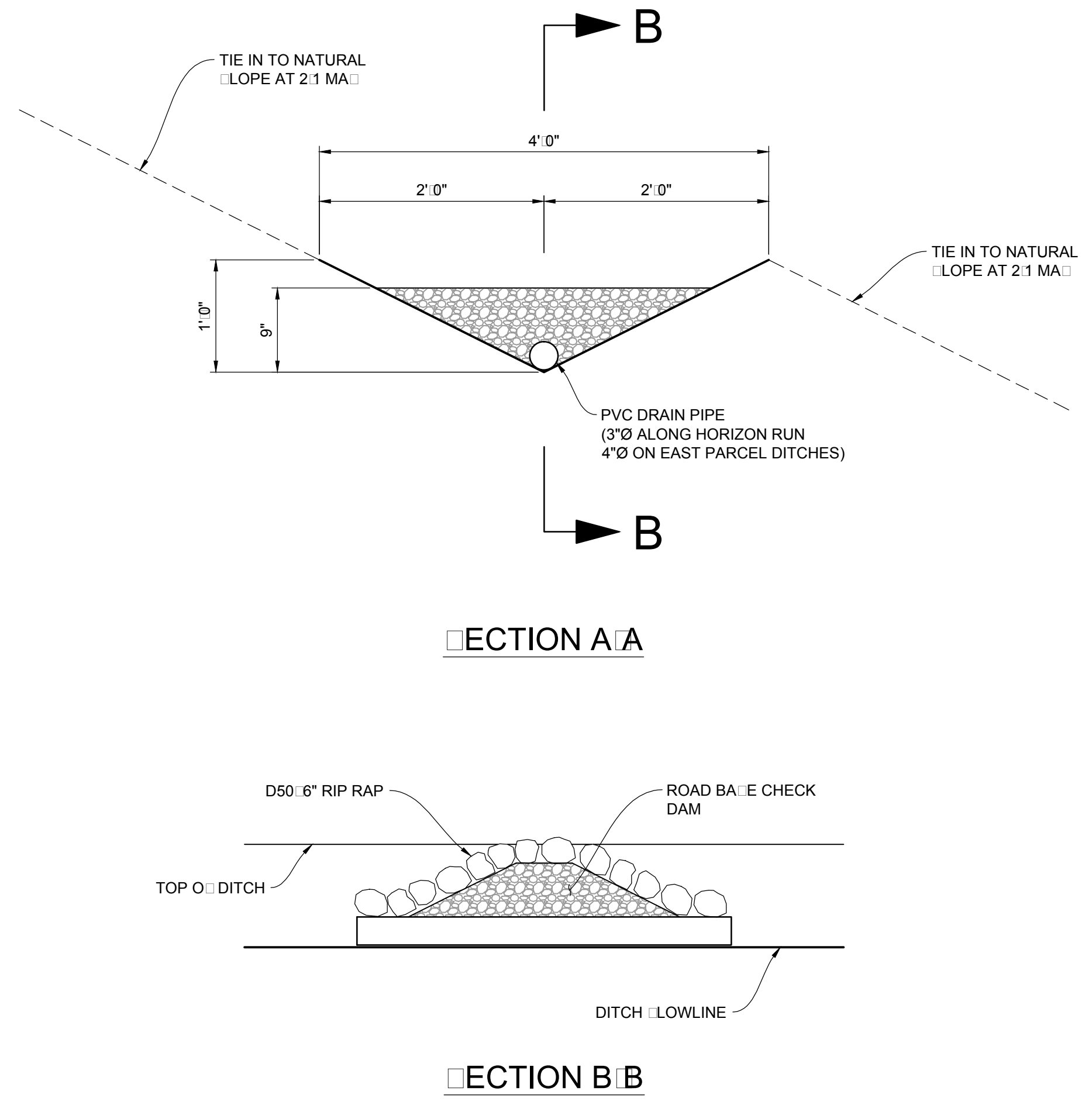
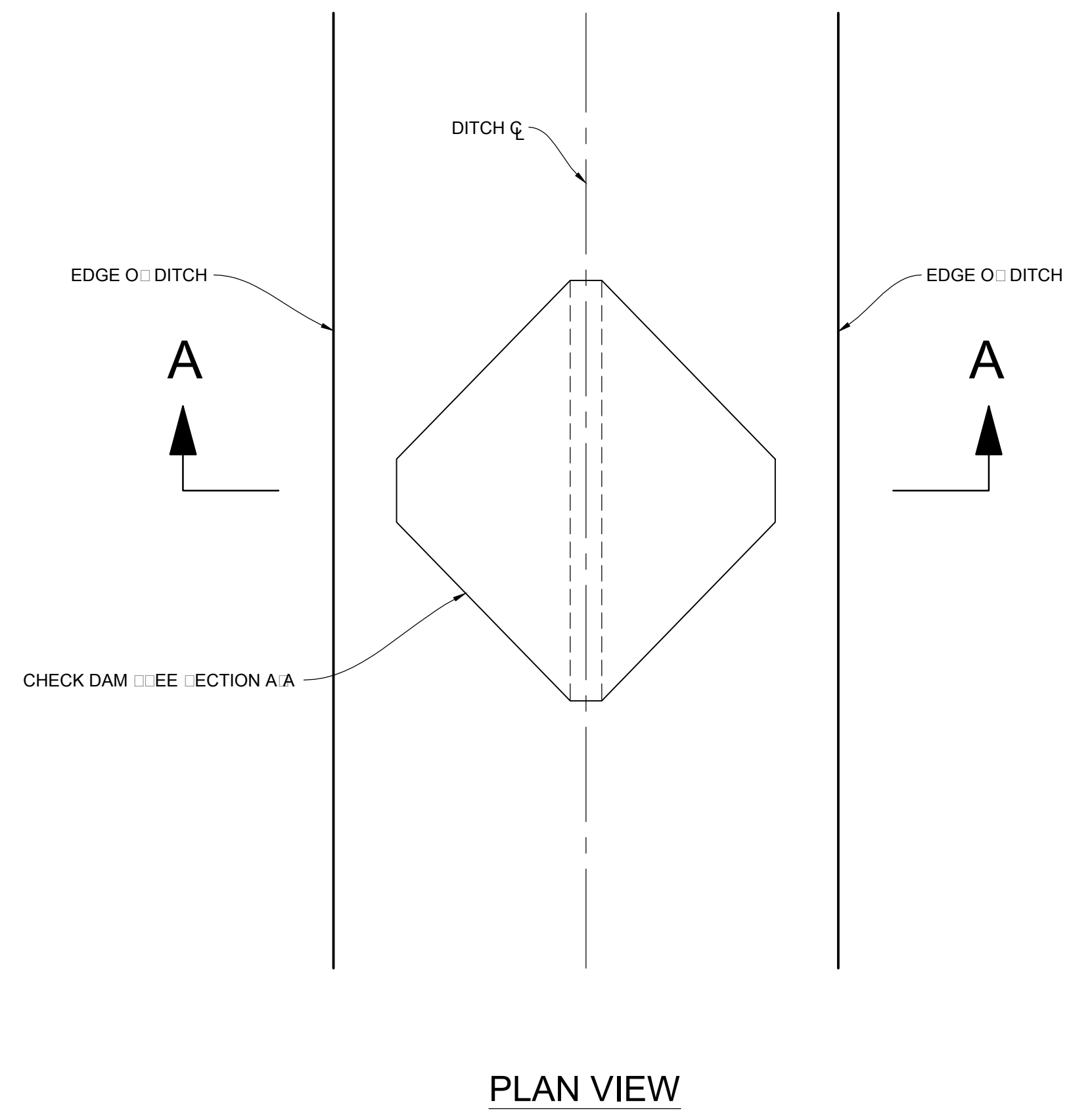
REGISTERED PROFESSIONAL ENGINEER
 No. 7899506
 RYAN W. CATHEY
 STATE OF UTAH

SHEET NUMBER
6.03

SCALE
 VERTICAL: 1" = N/A
 HORIZONTAL: 1" = N/A

JOB NUMBER
SLB0793

DATE: 10/27/16 TIME: 2:58:04 PM DRAWING NAME: 603 - DETAILS.DWG
 SERVER: NONE PAGE SETUP: PFD-030-24-08 LAYOUT: 1
 PART: NA0050P02 PROJECT: HORIZON VILLAGE W/P RESOURCES: HORIZON VILLAGE W/P



CHECK DAM DETAIL
 VAR NTS

NO.	BY	DATE	REVISIONS

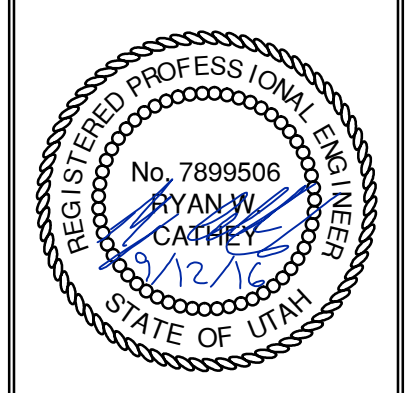
HORIZON NEIGHBORHOOD PRUD
DETAILS

DATE SUBMITTED: 09-12-2016
 PREPARED FOR: SUMMIT POWDER MOUNTAIN

MURRAY, UT 8407
 WWW.NV5.COM

NV5

6217 SOUTH STATE STREET, SUITE 200
 801743-8000 TEL. 801743-0900 FAX



SHEET NUMBER
6.04

SCALE
 VERTICAL: 1" = N/A
 HORIZONTAL: 1" = N/A

JOB NUMBER
SLB0793



CAUTION
 The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. Any such changes or uses must be approved by the preparer of these plans.

LEGEND

SYMBOL	LIGHTING
	LAY-IN OR RECESSED FIXTURE, SIZE ON PLANS
	WALL MOUNT FIXTURE, SIZE ON PLANS
	SURFACE MOUNT FIXTURE, SIZE ON PLANS
	PENDANT OR SURFACE MOUNTED LIGHT FIXTURE, SIZE ON PLANS
	SHADED FIXTURE INDICATES EMERGENCY/EGRESS
	RECESSED FLUORESCENT FIXTURE
	WALL MOUNTED HID FIXTURE
	POLE MOUNTED FIXTURE, EXTERIOR
	CEILING MOUNT EXIT LIGHT (W/DIRECTIONAL ARROWS)
	WALL MOUNT EXIT LIGHT (W/ DIRECTIONAL ARROWS)

SYMBOL	DEVICES & POWER
\$xx	SWITCH - SPST 3 THREE WAY 4 FOUR WAY WP WEATHER PROOF D DIMMER OS OCCUPANCY SENSOR EXP EXPLOSION PROOF K KEYED SWITCH M MANUAL MOTOR DISCONNECT/STARTER
((▽))	COMMUNICATION ANTENNA
	RECEPTACLE - SIMPLEX
	RECEPTACLE - DUPLEX GFI GROUND FAULT INTERRUPT WP WEATHERPROOF
	RECEPTACLE - DOUBLE DUPLEX SAME INDICATORS AS SHOWN FOR DUPLEX
	J-BOX, J-BOX WALL MOUNTED, 4"x4"x2 1/8" DEEP UNLESS NOTED OTHERWISE
	THERMOSTAT, SUPPLIED AND INSTALLED BY M.C.
	PUSHBUTTON SWITCH
	EMERGENCY PUSHBUTTON
	RELAY
	PHOTOCELL
	SPECIAL PURPOSE CONNECTION, BOX INDICATES FLOOR MOUNTING, WORK AS NOTED
	PANELBOARD, SURFACE MOUNTED
	EMERGENCY WALL LIGHT, SINGLE
	EMERGENCY WALL LIGHT, DOUBLE
	PANELBOARD, ON ONE-LINE
	VARIABLE FREQUENCY DRIVE
	COMBINATION STARTER
	DISCONNECT SWITCH
	CONTACTOR
	CIRCUIT BREAKER
	HARMONIC FILTER
	MOTOR (10 HORSEPOWER NOTED)
	TRANSFORMER, DRY-TYPE
	TRANSFORMER, PAD MOUNTED

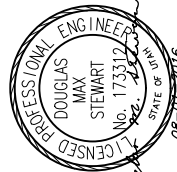
SYMBOL	ABBREVIATIONS AND MISCELLANEOUS
ATS	AUTOMATIC TRANSFER SWITCH
EC	ELECTRICAL CONTRACTOR
MC	MECHANICAL CONTRACTOR
GC	GENERAL CONTRACTOR
C	CONDUIT
GND	GROUND
BOD	BOTTOM OF DEVICE
COD	CENTER OF DEVICE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
BLG	BELOW GRADE
AC	ABOVE COUNTER, 4" ABOVE BACK SPLASH
BC	BELOW COUNTER, 4" BELOW COUNTER TOP
W/ a,b,c	WITH SWITCH DESIGNATION
SF	SURFACE
UG	UNDERGROUND
WP	WEATHER PROOF
1/E5.2	INDICATES DETAIL 1 ON SHEET E5.2
(X)	SHEET WORK NOTE.
X-X-XXXX	EQUIPMENT TAG NUMBER
xx,xxx	FAULT CURRENT VALUE
(XXX)	GENERAL ELECTRICAL TAG

GROUNDING SYMBOLS	
	GROUND ROD
	GROUND ROD IN GROUND WELL
	GROUND RISER FROM THE GROUND PLATE (REBAR)
	BOLTED AND WELDED GROUND CONNECTIONS, RESPECTIVELY
	GROUND CABLE: • EMBEDDED IN CONCRETE • BURIED IN EARTH • EXPOSED

GENERAL NOTES

- VERIFY ALL EQUIPMENT DIMENSIONS AND LOCATIONS BEFORE BEGINNING ROUGH-IN. CONSULT ALL APPLICABLE CONTRACT DRAWINGS AND SHOP DRAWINGS TO ENSURE NEC CODE CLEARANCE REQUIRED AROUND ALL ELECTRICAL EQUIPMENT.
- CONTRACTOR SHALL VERIFY ALL ELECTRICAL LOADS (VOLTAGE, PHASE, CONNECTION REQUIREMENTS, ETC.) OF EQUIPMENT FURNISHED BEFORE BEGINNING ROUGH-IN.
- SEE APPLICABLE SHOP DRAWINGS FOR ROUGH-IN LOCATION OF ALL EQUIPMENT, WIRING DEVICES, ETC.
- THE ELECTRICAL CONTRACTOR SHALL NOTIFY AND COOPERATE WITH THE MECHANICAL CONTRACTOR SUCH THAT NO PIPING, OR EQUIPMENT FOREIGN TO THE OPERATION OF THE ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE INSTALLED IN, ENTER OR PASS THROUGH ELECTRICAL ROOMS OR SPACES; OR ABOVE OR BELOW ELECTRICAL EQUIPMENT IN THE OTHER AREAS.
- ALL PENETRATIONS OF FLOORS, WALLS AND CEILINGS SHALL BE SEALED WITH APPROVED MATERIAL.
- FOR PACKAGE EQUIPMENT PROVIDED ON THE PROJECT, SOME CONDUITS AND WIRES ARE SHOWN ON THE DRAWINGS, BUT IT IS EXPECTED THAT SOME ADDITIONAL CONDUITS AND WIRES MAY BE REQUIRED BY EQUIPMENT MANUFACTURERS TO COMPLETE INSTALLATION. IT IS INCUMBENT UPON THE GENERAL CONTRACTOR TO COORDINATE THIS REQUIREMENT WITH HIS SUBCONTRACTORS TO MAKE SURE THAT EQUIPMENT SUPPLIER PROVIDED ALL NECESSARY ELECTRICAL INFORMATION TO ELECTRICAL SUBCONTRACTOR FOR INCLUSION WHETHER SHOWN OR NOT SHOWN ON THE DRAWINGS.
- IF OTHER THAN FIRST NAMED EQUIPMENT IS USED, IT SHALL BE CAREFULLY CHECKED FOR ELECTRICAL REQUIREMENTS AND CONTROL REQUIREMENTS OF ALTERNATE EQUIPMENT. SHOULD CHANGES OR ADDITIONS OCCUR IN ELECTRICAL WORK, OR THE WORK OF OTHER CONTRACTORS BE REVISED BY THE ALTERNATE EQUIPMENT, THE COST OF ALL CHANGES SHALL BE BORNE BY THE ELECTRICAL CONTRACTOR.
- IT IS THE ELECTRICAL SUBCONTRACTOR'S RESPONSIBILITY TO DELIVER THE COMPLETE SET OF PLANS IN ORDER TO INSURE THAT ALL ITEMS RELATED TO ELECTRICAL POWER AND CONTROL SYSTEMS ARE COMPLETELY ACCOUNTED FOR.
- ALL EQUIPMENT DIMENSIONS SHOWN ON PLANS AND ELEVATIONS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL USE THE SHOP DRAWINGS FOR PROPER LAYOUT, FOUNDATION AND PAD, ETC. FOR FINAL INSTALLATION WITHOUT ANY ADDITIONAL COST TO THE OWNER.
- THE DRAWINGS DIAGRAMMATICALLY INDICATE THE DESIRED LOCATION AND ARRANGEMENT OF OUTLETS, CONDUIT RUNS, EQUIPMENT AND OTHERS ITEMS. DETERMINE EXACT LOCATIONS IN THE FIELD BASED ON PHYSICAL SIZE AND ARRANGEMENT OF EQUIPMENT, FINISHED ELEVATIONS, AND OTHERS OBSTRUCTIONS. LOCATIONS SHOWN ON THE DRAWINGS, HOWEVER, SHALL BE ADHERED TO AS CLOSELY AS POSSIBLE.
- THE ELECTRICAL INSTALLATION SHALL COMPLY WITH THE CURRENT VERSION OF THE NEC, LOCAL, AND STATE CODES.

Bowen Collins & Associates, Inc.
CONSULTING ENGINEERS



NO.	DATE	REV. BY	DESCRIPTION

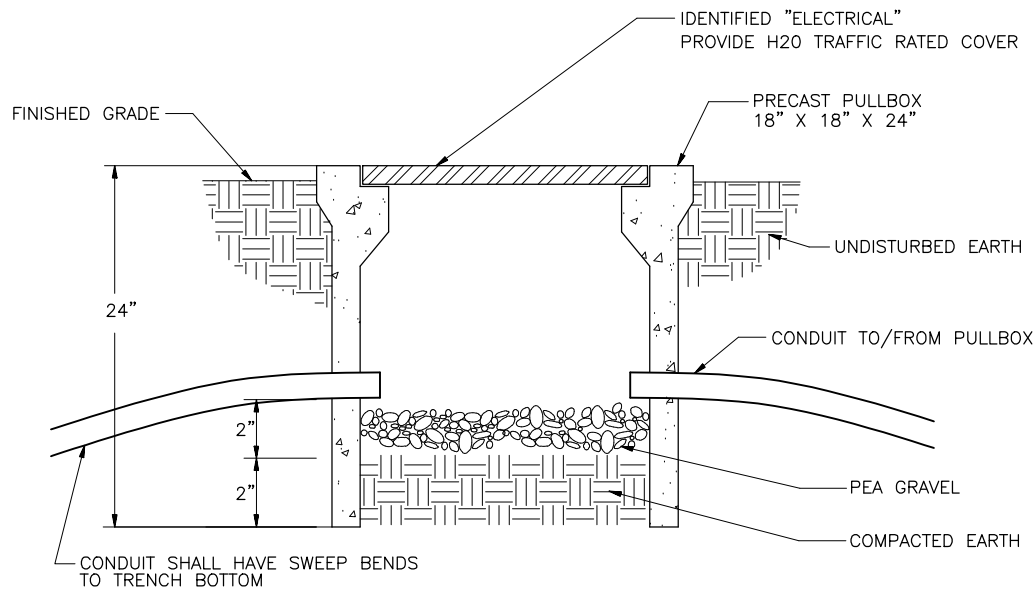
SUMMIT AT POWDER MOUNTAIN
HORIZON NEIGHBORHOOD
POWDER MOUNTAIN, UT

DESIGN D. STEWART
DRAWN D. STEWART

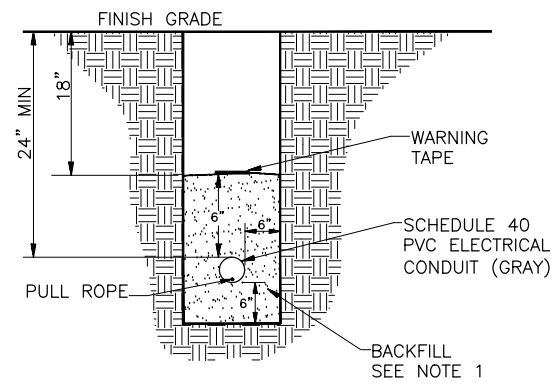
REVIEW
CHECKED D. YOUNGSTROM
APPROVED J. BECKMAN

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING

DATE: JULY 2016
PROJECT NUMBER 334-13-01
DRAWING NO. E-01
SHEET 1 OF 3

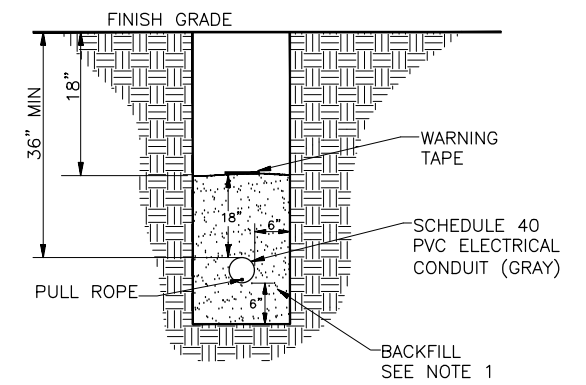


TYPICAL ELECTRICAL PULLBOX DETAIL (E) 5030
NOT TO SCALE



- NOTES:**
1. BACKFILL MATERIAL SHALL BE TYPE B, OR C COMPACTED TO 95% PER ASTM D 1557.
 2. BACKFILL SHALL PASS THROUGH A 3/4" SIEVE.

CONDUIT TRENCH DETAIL (E) 5042
SCALE: NTS



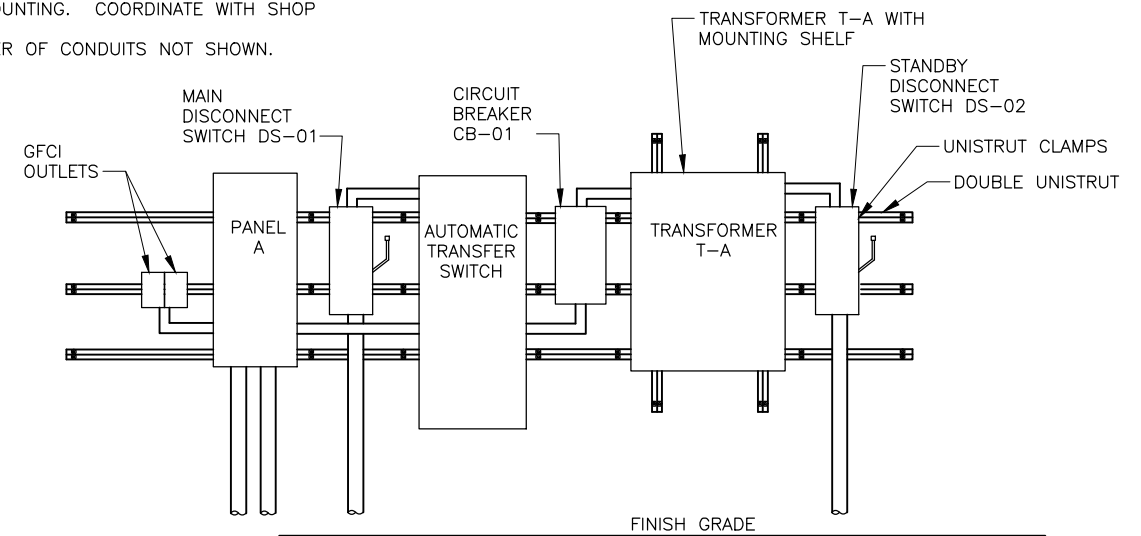
- NOTES:**
1. BACKFILL MATERIAL SHALL BE TYPE B, OR C COMPACTED TO 95% PER ASTM D 1557.
 2. BACKFILL SHALL PASS THROUGH A 3/4" SIEVE.

ROCKY MOUNTAIN POWER CONDUIT TRENCH DETAIL (E) 5043
SCALE: NTS

NOT USED (E) 5050
SCALE: NTS

NOT USED (E) 5051
SCALE: NTS

- NOTES:**
1. UNISTRUT MOUNTED ON CONCRETE WALL OF FIRE CACHE BUILDING.
 2. LENGTH OF MOUNTING STRUCTURE REQUIRED BY PANEL WIDTHS. CONTRACTOR SHALL COORDINATE SIZE WITH SHOP DRAWINGS.
 3. SPACING OF UNISTRUT SHALL BE DETERMINED BY PANEL MOUNTING. COORDINATE WITH SHOP DRAWINGS.
 4. EXACT NUMBER OF CONDUITS NOT SHOWN.



ELECTRICAL EQUIPMENT ELEVATION DETAIL (E) 5073
SCALE: NTS

Bowen Collins & Associates, Inc.
CONSULTING ENGINEERS

PROFESSIONAL ENGINEER
DOUGLAS MAX STEWART
NO. 173512
STATE OF UTAH
LICENSED

NO.	DATE	REV. BY	DESCRIPTION	REVISIONS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING

HORIZON NEIGHBORHOOD
POWDER MOUNTAIN, UT

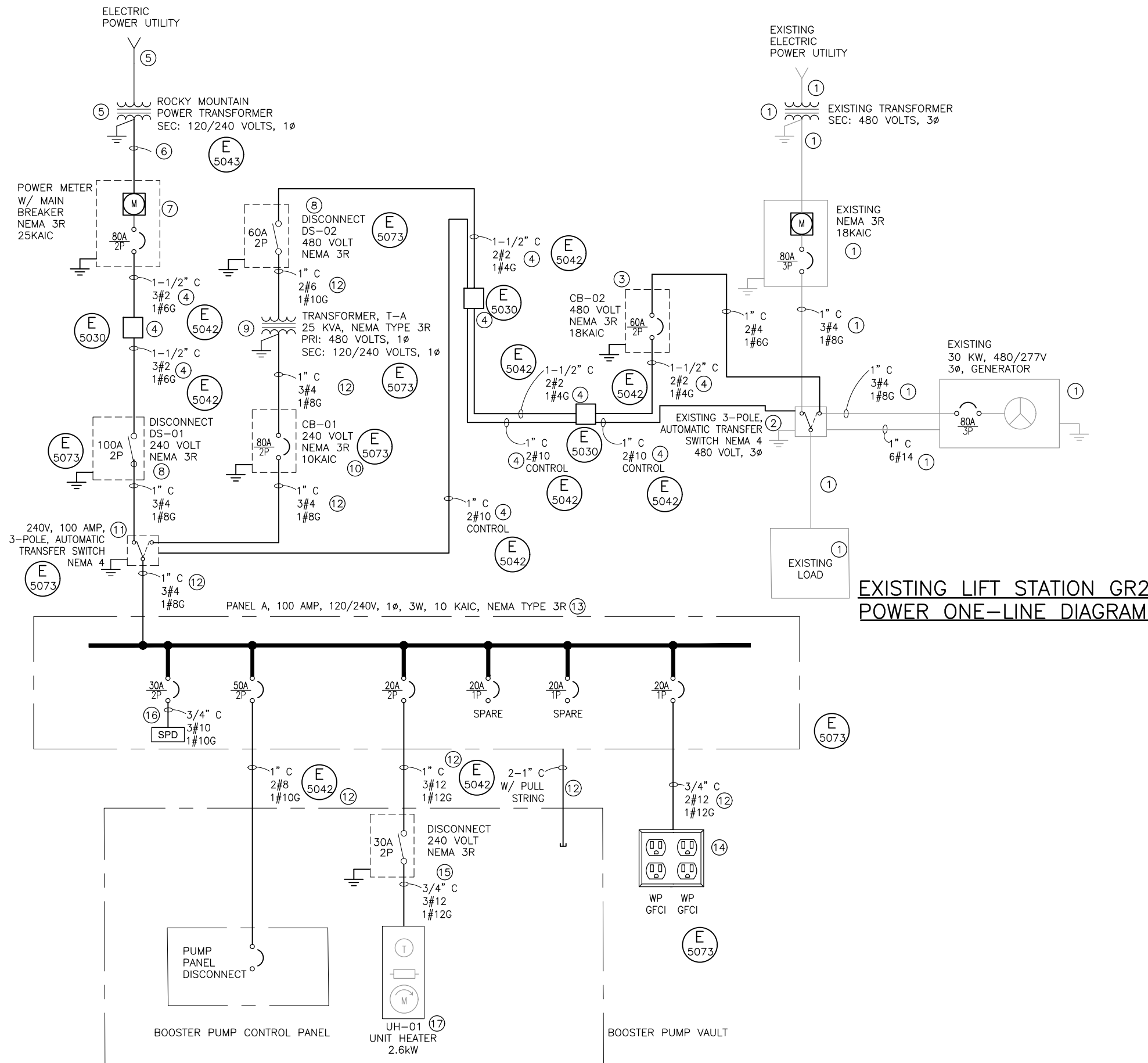
REVIEW
CHECKED D. YOUNGSTROM
APPROVED J. BECKMAN

DESIGN
DESIGN D. STEWART
DRAWN D. STEWART

ELECTRICAL DETAILS - 1

DATE: JULY 2016
PROJECT NUMBER: 334-13-01

DRAWING NO. **GE-01**
SHEET **3** OF **3**



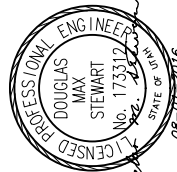
GENERAL NOTES:

1. REFER TO CIVIL DRAWING 2.00 FOR EQUIPMENT LOCATION.
2. NEW ELECTRICAL EQUIPMENT SHOWN IN DETAIL E-5073 SHALL BE INSTALLED ON THE SIDE OF THE FIRE CACHE BUILDING.
3. ALL ELECTRICAL ENCLOSURES SHALL BE VANDAL PROOF AND LOCKABLE.
4. PROVIDE AND INSTALL WEATHER PROOF HUBS FOR ALL OUTDOOR CONDUITS.

KEY NOTES: #

1. EXISTING ELECTRICAL POWER SERVICE, GENERATOR AND EQUIPMENT AT LIFT STATION GR2.
2. EXISTING AUTOMATIC TRANSFER SWITCH AT LIFT STATION GR2. PROVIDE AND INSTALL SPLICE KIT TO CONNECT GENERATOR POWER TO THE BOOSTER PUMP STATION. PROVIDE AND INSTALL SPLICE KIT TO CONNECT THE GENERATOR START/STOP SIGNAL FROM THE AUTOMATIC TRANSFER SWITCH AT THE BOOSTER PUMP IN PARALLEL WITH EXISTING START/STOP SIGNAL.
3. PROVIDE AND INSTALL CIRCUIT BREAKER ON RACK WITH EXISTING ELECTRICAL EQUIPMENT AT LIFT STATION GR2. CIRCUIT BREAKER SHALL BE LOCKABLE IN THE OFF POSITION.
4. PROVIDE AND INSTALL CONDUIT, CONDUCTORS AND PULL BOXES. REFER TO DRAWING REFERENCED IN GENERAL NOTE #1 FOR LOCATIONS. CONDUCTORS HAVE BEEN SIZED TO PREVENT EXCESSIVE VOLTAGE DROP.
5. ROCKY MOUNTAIN POWER PRIMARY POWER FEED AND TRANSFORMER.
6. DEVELOPER TO PROVIDE AND INSTALL CONDUIT. CONDUCTORS SHALL BE INSTALLED BY ROCKY MOUNTAIN POWER.
7. GROUP METERING PROVIDE AND INSTALL MAIN CIRCUIT BREAKER. POWER METER SHALL BE INSTALLED BY ROCKY MOUNTAIN POWER.
8. PROVIDE AND INSTALL LOCKABLE DISCONNECT SWITCHES.
9. PROVIDE AND INSTALL SINGLE PHASE TRANSFORMER WITH COPPER WINDINGS AND MOUNTING SHELF, WITH BOTTOM OF TRANSFORMER APPROXIMATELY 3.5' ABOVE FINISHED GRADE. PROVIDE TRANSFORMER WITH WEATHER SHIELDS AND RODENT SCREENS. REFER TO SPECIFICATION.
10. PROVIDE AND INSTALL CIRCUIT BREAKER AS SHOWN.
11. PROVIDE AND INSTALL AUTOMATIC TRANSFER SWITCH WITH LOCKABLE ENCLOSURE AND VANDAL PROOF COVERS TO PROTECT CONTROLS. REFER TO SPECIFICATION. L1, L2, AND THE NEUTRAL WILL ALL BE SWITCHED.
12. PROVIDE AND INSTALL CONDUITS AND CONDUCTORS TO ELECTRICAL EQUIPMENT MOUNTED ABOVE GROUND AND IN VAULT. PROVIDE AND INSTALL TWO SPARE CONDUITS FROM PANEL TO VAULT, CAPPED WITH PULL STRINGS AS SHOWN.
13. PROVIDE AND INSTALL PANEL WITH LOCKABLE ENCLOSURE, AND COPPER BUS. REFER TO SPECIFICATION.
14. GFCI, 20 AMP, OUTLETS IN TWO GANG WEATHERPROOF BOX WITH HUBBLE EXTRA-DUTY METALLIC WHILE-IN-USE COVER, P/N WP262E, OR EQUAL.
15. PROVIDE AND INSTALL LOCKABLE DISCONNECT IN VAULT CLOSE TO ELECTRIC UNIT HEATER.
16. PROVIDE AND INSTALL SINGLE PHASE, 120/240 VOLT, SURGE PROTECTIVE DEVICE. RATED 160 KA PER PHASE AND 80 KA PER MODE.
17. CHROMALOX SINGLE PHASE, 240 VOLT, 2.6 KW, 11.4 AMPS, P/N LUH-02-21-34, WITH INTEGRAL THERMOSTAT AND WALL MOUNTING BRACKET FOR WALL IN VAULT.

Bowen Collins & Associates, Inc. CONSULTING ENGINEERS



NO.	DATE	REV. BY	DESCRIPTION

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING

REVIEW
CHECKED D. YOUNGSTROM
APPROVED J. BECKMAN

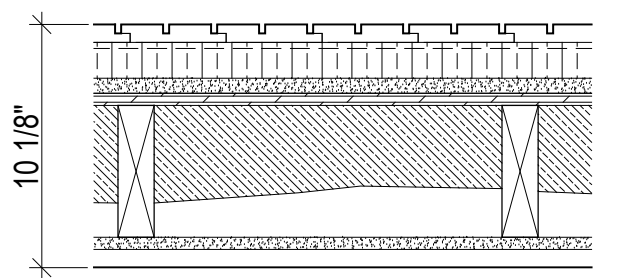
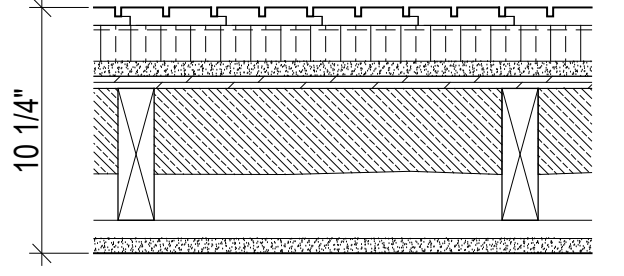
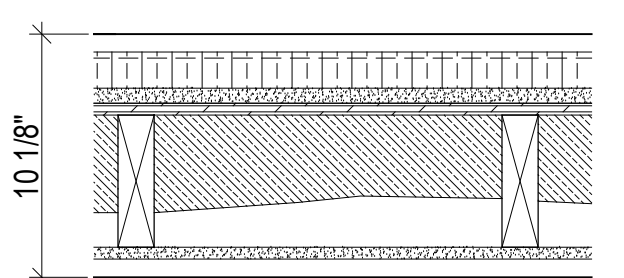
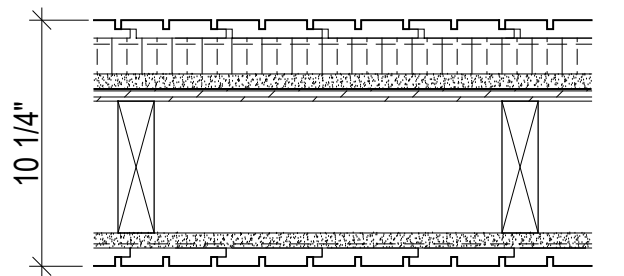
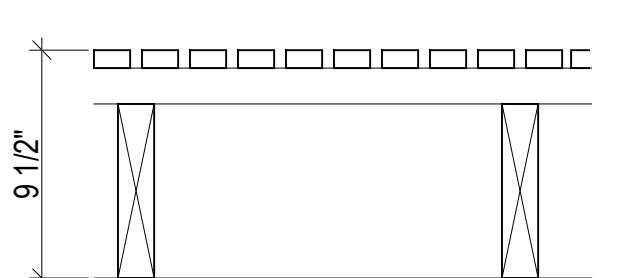
DESIGN
DESIGN D. STEWART
DRAWN D. STEWART

ELECTRICAL
POWER ONE-LINE DIAGRAM
PROJECT NUMBER 334-13-01
DATE: JULY 2016

DRAWING NO.
E-02
SHEET 2 OF 3

TYPE	INTERIOR WALL TYPE DESCRIPTION	TYPE	INTERIOR WALL TYPE DESCRIPTION	TYPE	INTERIOR WALL TYPE DESCRIPTION
P1	6 1/2" + 1/2" GWB, PTD (TBD) + 2x6 studs @ 16" o.c. + 1/2" GWB, PTD (TBD)	P10	8 1/4" + 1/2" GWB, PTD (TBD) + 2x8 studs @ 16" o.c. + 1/2" GWB, PTD (TBD)	P19	9 1/2" + tile as per spec + 5/8" tile backer board + 2x8 studs @ 16" o.c. + 5 1/2" acoustic batt in cavity + steel bracing as per structural + 5/8" tile backer board + tile as per spec
P2	6 1/2" + 1/2" GWB, PTD (TBD) + 2x6 studs @ 16" o.c. + 5 1/2" acoustic batt in cavity + 1/2" GWB, PTD (TBD)	P11	8 1/4" + 1/2" GWB, PTD (TBD) + 2x8 studs @ 16" o.c. + 5 1/2" acoustic batt in cavity + 1/2" GWB, PTD (TBD)	P20	10 1/4" + 1x4 vertical shiplap wood cladding - 1/4"x1/4" kerf cut at centerline of board + 1x2 horizontal wood strapping as required + 2x6 studs @ 16" o.c. + 5 1/2" acoustic batt in cavity + 2 3/4" blocking + 1/2" GWB, PTD (TBD)
P3	7 1/2" + 1x4 vertical shiplap wood cladding - 1/4"x1/4" kerf cut at centerline of board + 1x2 horizontal wood strapping as required + 2x6 studs @ 16" o.c. + 5 1/2" acoustic batt in cavity + 1/2" GWB, PTD (TBD)	P12	9 1/8" + 1x4 horizontal spf shiplap cladding + 2x8 studs @ 16" o.c. + 1/2" GWB, PTD (TBD)	P21	10" + 1x4 horizontal shiplap wood cladding + blocking + 2x8 studs @ 16" o.c. + 1/2" GWB, PTD (TBD)
P4	7 1/8" + tile as per spec + 5/8" tile backer board + 2x6 studs @ 16" o.c. + 5 1/2" acoustic batt in cavity + 1/2" GWB, PTD (TBD)	P13	9 1/4" + 1x4 vertical shiplap wood cladding - 1/4"x1/4" kerf cut at centerline of board + 1x2 horizontal wood strapping as required + 2x8 studs @ 16" o.c. + 5 1/2" acoustic batt in cavity + 1/2" GWB, PTD (TBD)	P22	11-13/16" + 1/2" GWB, PTD (TBD) + 2x8 studs @ 16" o.c. + 5 1/2" acoustic batt in cavity + 2x6 studs @ 16" o.c. + 1/2" GWB, PTD (TBD)
P5	7 3/4" + tile as per spec + 5/8" tile backer board + 2x6 studs @ 16" o.c. + 5 1/2" acoustic batt in cavity + 5/8" tile backer board + tile as per spec	P14	9 1/4" + 1x4 vertical shiplap wood cladding - 1/4"x1/4" kerf cut at centerline of board + 2x4 sideway studs @ 16" o.c. horizontally blocked to support vertical wood cladding + 5" cavity for sliding doors + 2x4 sideway studs @ 16" o.c. + 1/2" GWB, PTD	P23	11-2 3/8" + tile as per spec + 5/8" tile backer board + 2x6 studs @ 16" o.c. + 5 1/2" acoustic batt in cavity + 2x6 studs @ 16" o.c. + 1/2" GWB, PTD (TBD)
P6	6 1/2" + 1/2" GWB, PTD (TBD) + 2x6 studs @ 16" o.c. + 5 1/2" acoustic batt in cavity + 1/2" MRGWB, PTD (TBD)	P15	8 1/4" + 1/2" GWB, PTD (TBD) + 2x8 studs @ 16" o.c. + 5 1/2" acoustic batt in cavity + steel bracing as per structural + 1/2" GWB, PTD (TBD)	P24	11-13/16" + 1/2" GWB, PTD (TBD) + 2x8 studs @ 16" o.c. + 5 1/2" acoustic batt in cavity + steel bracing as per structural + 2x6 studs @ 16" o.c. + 1/2" GWB, PTD (TBD)
P7	7 1/8" + tile as per spec + 5/8" tile backer board + 2x6 studs @ 16" o.c. + 5 1/2" acoustic batt in cavity + 1/2" MRGWB, PTD (TBD)	P16	8 1/2" + 1x4 horizontal shiplap wood cladding + 2x8 studs @ 16" o.c. + 5 1/2" acoustic batt in cavity + steel bracing as per structural + 1/2" GWB, PTD (TBD)	P25	11-2" + 1x4 horizontal shiplap wood cladding + 2x8 studs @ 16" o.c. + 5 1/2" acoustic batt in cavity + steel bracing as per structural + 2x6 studs @ 16" o.c. + 1/2" GWB, PTD (TBD)
P8	6 3/4" + 1x4 horizontal shiplap wood cladding + 2x6 studs @ 16" o.c. + 5 1/2" acoustic batt in cavity + 1/2" GWB, PTD (TBD)	P17	8 7/8" + 1/2" GWB, PTD (TBD) + 2x8 studs @ 16" o.c. + 5 1/2" acoustic batt in cavity + steel bracing as per structural + 1/2" GWB, PTD (TBD) + 5/8" tile backer board + tile as per spec	P26	8 3/4" + tile as per spec + 5/8" tile backer board + 2x6 studs on the flat + 5/8" tile backer board + tile as per spe
P9	8 1/4" + 1x4 vertical shiplap wood cladding - 1/4"x1/4" kerf cut at centerline of board + 1x2 horizontal wood strapping + 2x6 studs @ 16" o.c. + 5 1/2" acoustic batt in cavity + 5/8" tile backer board + tile as per spec	P18	9 1/8" + 1x4 horizontal shiplap wood cladding + 2x8 studs @ 16" o.c. + 5 1/2" acoustic batt in cavity + steel bracing as per structural + 1/2" GWB, PTD (TBD) + 5/8" tile backer board + tile as per spec		

3 Partition Type Legend
Scale 1 1/2" = 1'-0"

EXTERIOR WALL TYPE DESCRIPTION
Exterior Wall Assembly 1A - UL DESIGN #305 (1 HR Fire Resistance Rating)  System Components: + 1x4 vertical shiplap wood cladding - 1/4"x3/8" kerf cut at centerline of board + vapor permeable weather barrier + 1 1/2" XPS rigid insulation (R7.5) + 5/8" type X gypsum sheathing + 1/2" plywood sheathing as per structural + 2x6 wood studs as per structural + 3" 2lb. sprayfoam insulation (R18) (vapor retarder) + 5/8" type X gypsum wallboard (5/8" type X gypsum tile backer board in wet areas) + refer to wall finish schedule for interior finish
Exterior Wall Assembly 1B - UL DESIGN #305 (1 HR Fire Resistance Rating)  System Components: Exterior Wall Assembly 1B + 1x4 vertical shiplap wood cladding - 1/4"x3/8" kerf cut at centerline of board + vapor permeable weather barrier + 1 1/2" XPS rigid insulation + 5/8" type X gypsum sheathing + 1/2" plywood sheathing as per structural + 2x6 wood studs as per structural + 3" 2lb. sprayfoam insulation (R18) (vapour retarder) + 1x4 wood strapping @ 16" o.c. + 5/8" type X gypsum wallboard (5/8" type X gypsum tile backer board in wet areas) + refer to wall finish schedule for interior finish
Exterior Wall Assembly 1C - UL DESIGN #305 (1 HR Fire Resistance Rating)  System Components: + 1x4 horizontal shiplap wood cladding + vapor permeable weather barrier + 1 1/2" XPS rigid insulation (R7.5) + 5/8" type X gypsum sheathing + 1/2" plywood sheathing as per structural + 2x6 wood studs as per structural + 3" 2lb. sprayfoam insulation (R18) (vapor retarder) + 5/8" type X gypsum wallboard + 1x4 horizontal shiplap wood cladding
Exterior Wall Assembly 2 - UL DESIGN #305 (1 HR Fire Resistance Rating)  System Components + 1x4 vertical shiplap wood cladding - 1/4"x3/8" kerf cut at centerline of board + vapor permeable weather barrier + 1 1/2" XPS rigid insulation (R7.5) + 5/8" type X gypsum sheathing + 1/2" plywood sheathing as per structural + 2x6 wood studs @ 16" o.c. + 5/8" type X gypsum sheathing + vapor retarder weather barrier + 1x4 vertical shiplap wood cladding - 1/4"x3/8" kerf cut at centerline of board
Exterior Wall Assembly 3  System Components + 3/4" x 1-1/2" vertical spf boards w/ 1/2" gaps (stain to be determined by architect) + 2x4 horizontal strapping @ 16" o/c + 2x8 studs @ +/- 16" o/c



2 Key Plan
Scale 1/128" = 1'-0"

AD AREA DRAIN	MRGWB MOISTURE-RESISTANT GYPSUM WALL BOARD
ADJ ADJACENT	MTL METAL
AFF ABOVE FINISHED FLOOR	NIC NOT IN CONTRACT
ALUM ALUMINUM	NOM NOMINAL
ANOD ANODIZED	OC ON CENTER
BSMT BASEMENT	OH OPPOSITE HAND
BYOND BEYOND	OZ OUNCE
BOT BOTTOM	PCC PRE-CAST CONCRETE
B/W BETWEEN	PLYD PLYWOOD
CHNL CHANNEL	PT PRESSURE TREATED
CJ CONTROL JOINT	PTD PAINTED
CLG CEILING	PVC POLYVINYL CHLORIDE
CLR CLEAR	RCP REFLECTED CEILING PLAN
CMU CONCRETE MASONRY UNIT	RD ROOF DRAIN
COF CENTERLINE OF WOOD FRAMING	REQD REQUIRED
COL COLUMN	REV REVERSE
CONC CONCRETE	RM ROOM
CONT CONTINUOUS	SIM SIMILAR
CPT CARPET	SPEC SPECIFIED OR SPECIFICATION
CT CERAMIC TILE	SPK SPRINKLER
DBL DOUBLE	ST STL STAINLESS STEEL
DIA DIAMETER	STC SOUND TRANSMISSION COEFFICIENT
DIMS DIMENSIONS	STL STEEL
DN DOWN	STRUCT STRUCTURAL
DR DOOR	TELE TELEPHONE
DWG DRAWING	TLT TOILET
EA EACH	TO TOP OF
EL ELEVATION	TOC TOP OF CONCRETE
ELEC ELECTRICAL	TOS TOP OF STEEL
ELEV ELEVATOR / ELEVATION	TP TOILET PAPER DISPENSER
EQ EQUAL	T/D TELEPHONE/DATA
FOF FACE OF WOOD FRAMING	TYP TYPICAL
FDN FOUNDATION	UON UNLESS OTHERWISE NOTED
GA GAUGE	UIS UPSIDE
GALV GALVANIZED	VIF VERIFY IN FIELD
GWB GYPSUM WALL BOARD	VP VISION PANEL
HC HOLLOW CORE	TYP TYPICAL
HI HIGH	VIF VERIFY IN FIELD
HM HOLLOW METAL	W WITH
HP HIGH POINT	WD WOOD
HVAC HEATING, VENTILATING, AND AIR CONDITIONING	
I/O IN LIEU OF	
INSUL INSULATED	
INT INTERIOR	
LO LOW	
MAX MAXIMUM	
MO MASONRY OPENING	
MECH MECHANICAL	
MEMBR MEMBRANE	
MIN MINIMUM	

1 Abbreviations

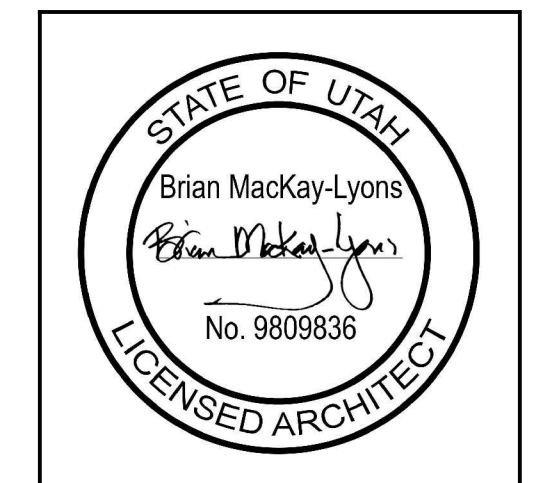
Horizon Neighborhood CABINS

Summit Powder Mountain, Eden, Utah

Mackay-Lyons Sweetapple Architects Limited

2188 Gotlinen St., Halifax, Nova Scotia, Canada B3K 3B4

ph: (902) 429-1867
fax: (902) 429-6276



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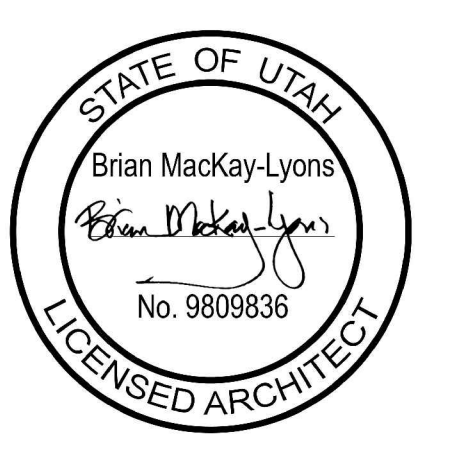
SHOP DRAWINGS:
Submit shop drawings to the Architect and Engineer for approval prior to manufacture of prefabricated elements of the building.

Cabin 2500 - Abbreviations, Key Plan & Partition Types

scale: varies
date: 16-07-18
drawn: M/J/L
chk'd: BML

A001

Mackay-Lyons Sweetapple Architects Limited
 2188 Göttingen St. Halifax, Nova Scotia Canada B3K 3B4
 ph: (902) 429.1867 fax: (902) 429.6276



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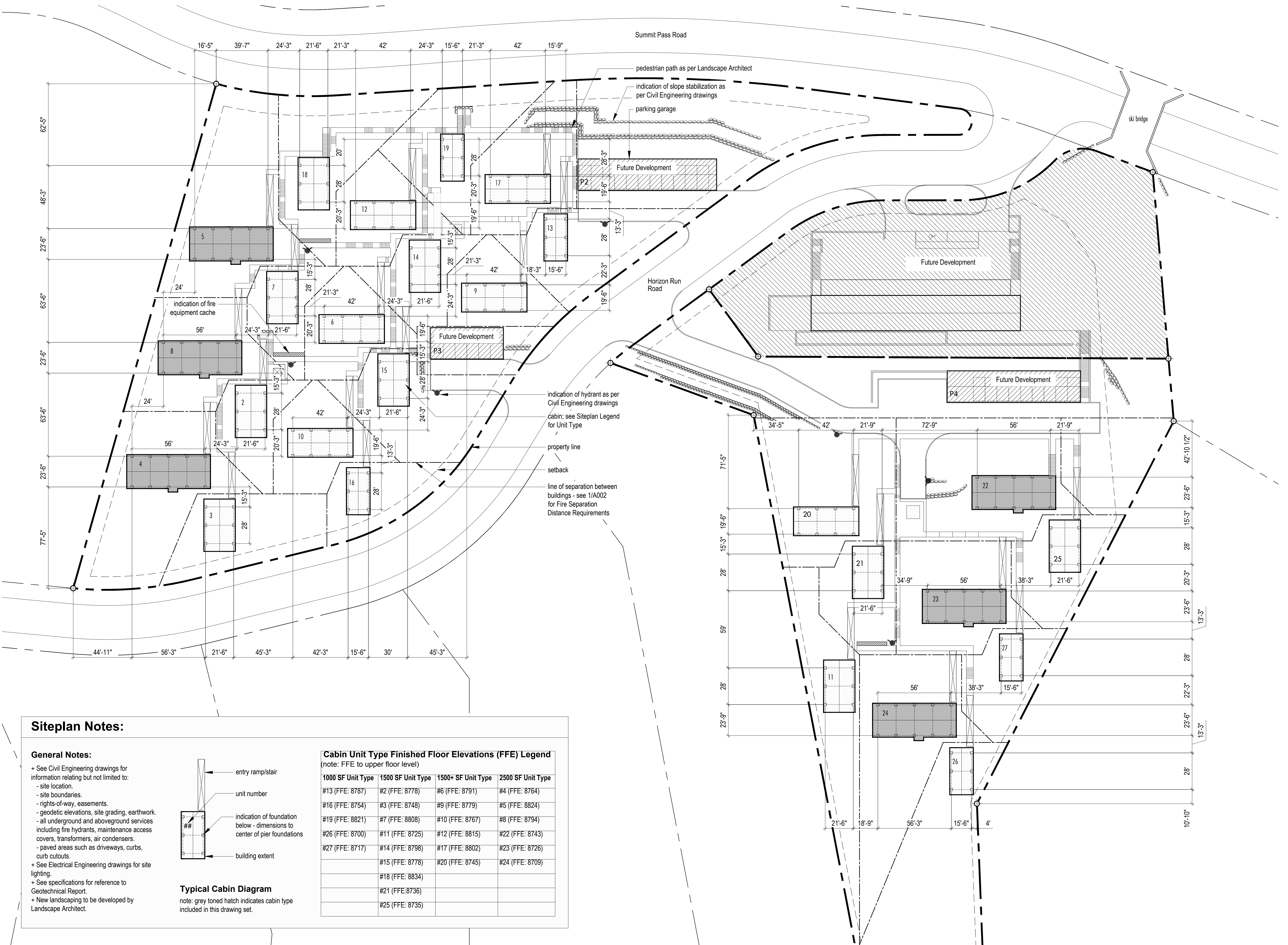
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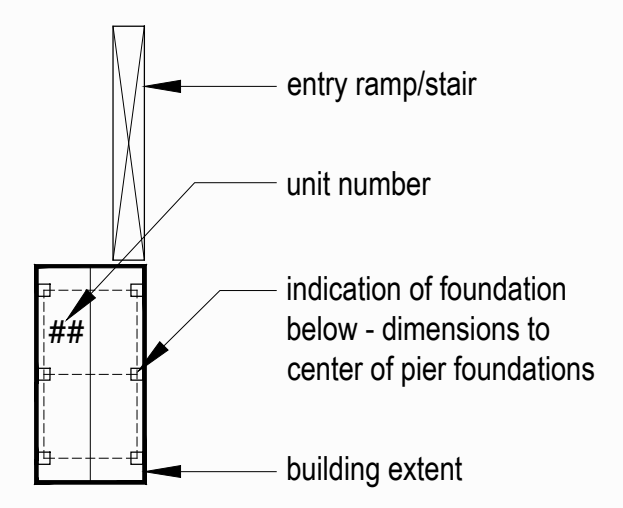
Cabin 2500 - Site Plan



Siteplan Notes:

General Notes:

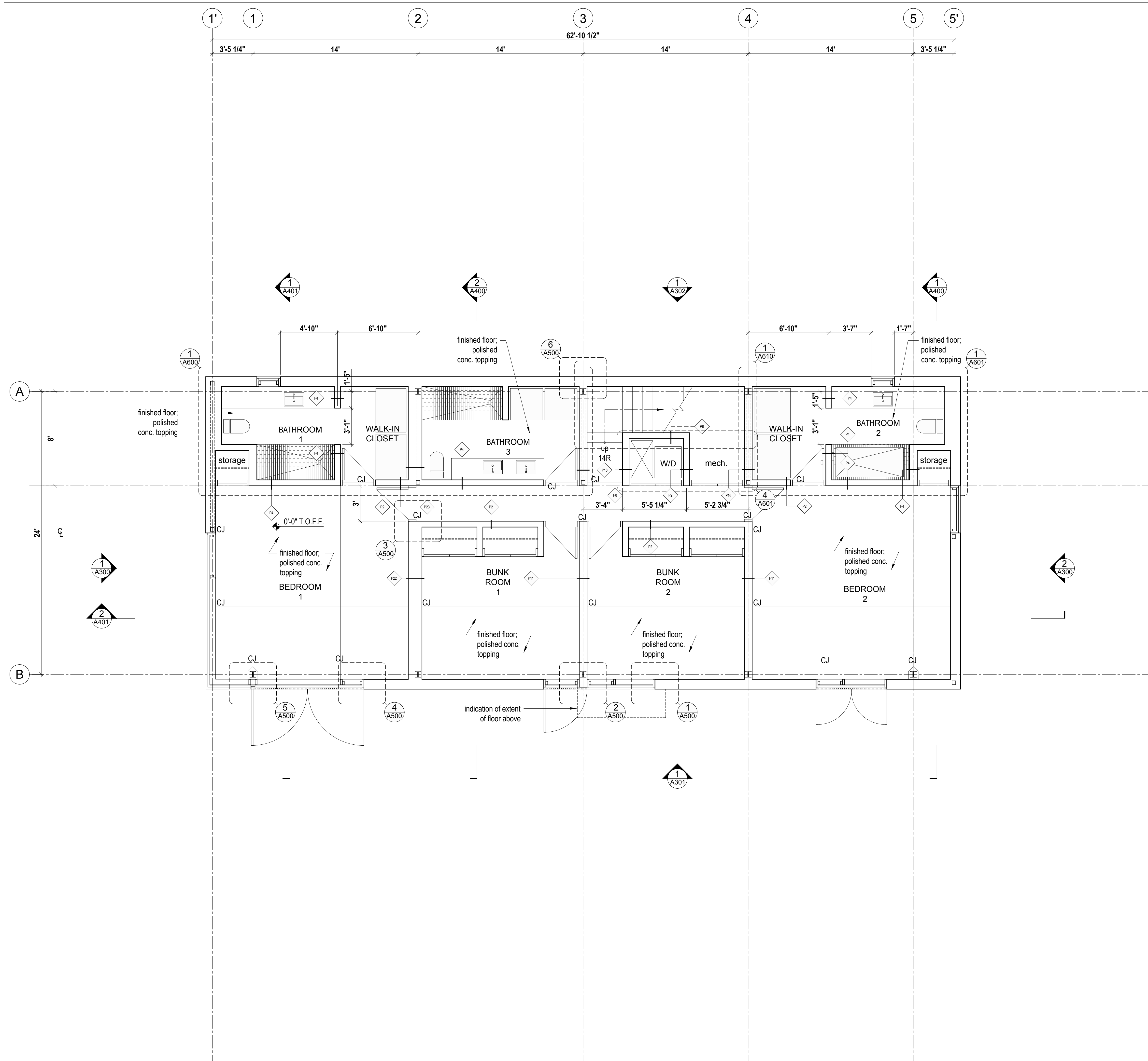
- + See Civil Engineering drawings for information relating but not limited to:
 - site location.
 - site boundaries.
 - rights-of-way, easements.
 - geodetic elevations, site grading, earthwork.
 - all underground and aboveground services including fire hydrants, maintenance access covers, transformers, air condensers.
 - paved areas such as driveways, curbs, curb cutouts.
- + See Electrical Engineering drawings for site lighting.
- + See specifications for reference to Geotechnical Report.
- + New landscaping to be developed by Landscape Architect.



Typical Cabin Diagram
 note: grey toned hatch indicates cabin type included in this drawing set.

Cabin Unit Type Finished Floor Elevations (FFE) Legend
 (note: FFE to upper floor level)

1000 SF Unit Type	1500 SF Unit Type	1500+ SF Unit Type	2500 SF Unit Type
#13 (FFE: 8787)	#2 (FFE: 8778)	#6 (FFE: 8791)	#4 (FFE: 8764)
#16 (FFE: 8754)	#3 (FFE: 8748)	#9 (FFE: 8779)	#5 (FFE: 8824)
#19 (FFE: 8821)	#7 (FFE: 8808)	#10 (FFE: 8767)	#8 (FFE: 8794)
#26 (FFE: 8700)	#11 (FFE: 8725)	#12 (FFE: 8815)	#22 (FFE: 8743)
#27 (FFE: 8717)	#14 (FFE: 8798)	#17 (FFE: 8802)	#23 (FFE: 8726)
	#15 (FFE: 8778)	#20 (FFE: 8745)	#24 (FFE: 8709)
	#18 (FFE: 8834)		
	#21 (FFE: 8736)		
	#25 (FFE: 8735)		



LEGEND

- ⊕ Center line
- (X) Door type
- ◇ Pk Partition type

Horizon Neighborhood
CABINS

Summit Powder Mountain
Evan, Utah

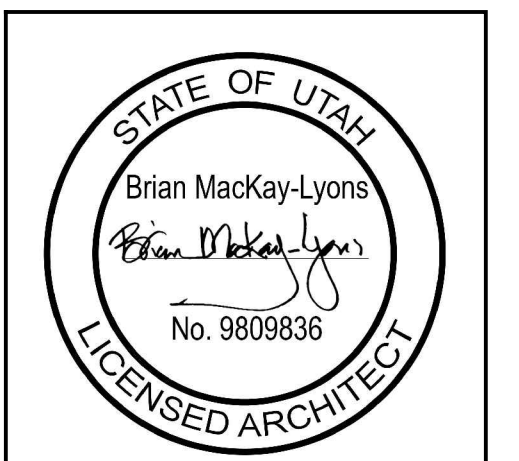
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True
North

Construction
North



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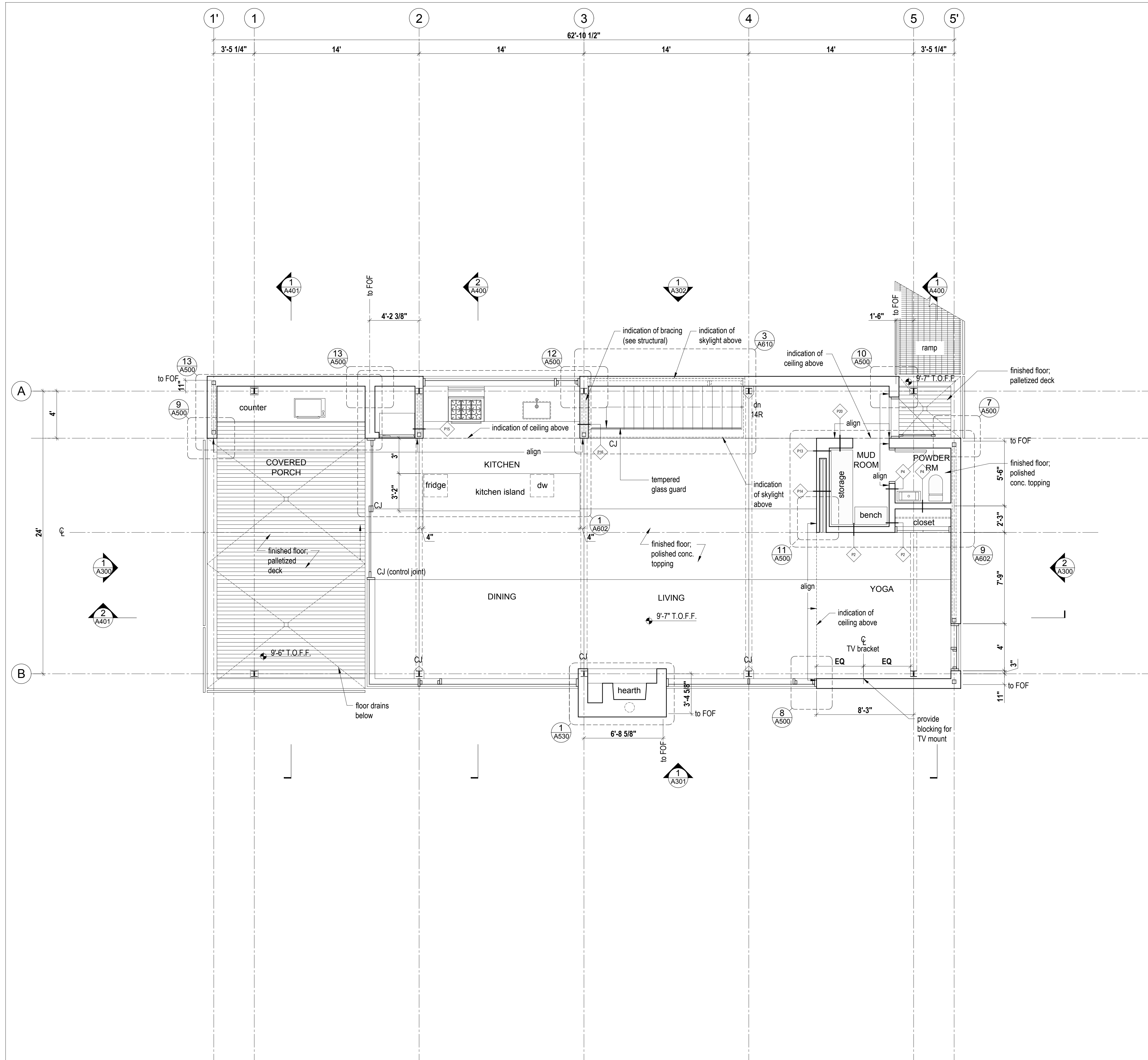
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1
A200
Floor Plan Lower
Scale 1/4" = 1'-0"

Cabin 2500 -
Floor Plans

scale: varies
date: 16-04-20
drawn: M.J./J.L.
chk'd: B.M.L.

A200



LEGEND

- Center line
- Door type
- Partition type

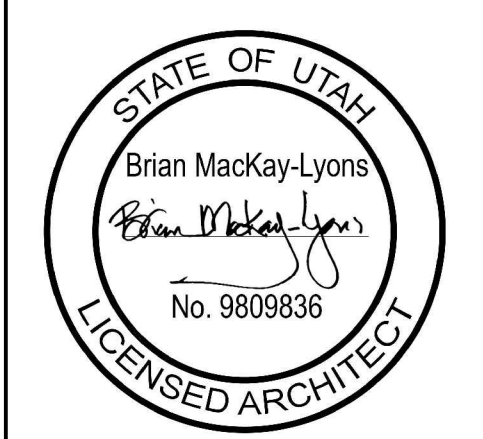
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MackKay-Lyons Sweetapple Architects Limited

2188 Gottingen St. Halifax, Nova Scotia Canada B3K 3B4

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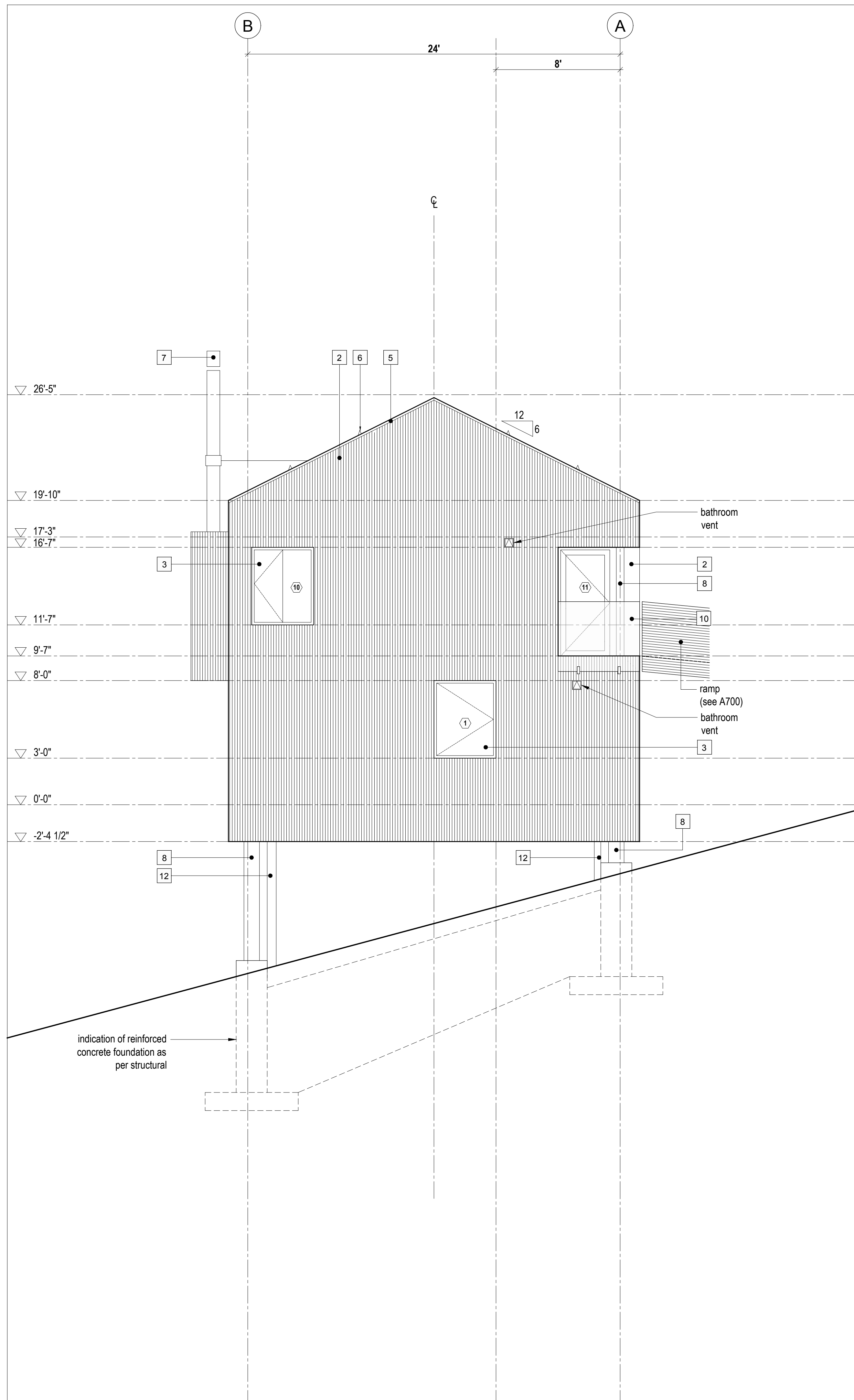
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1 Floor Plan Main
Scale 1/4" = 1'-0"

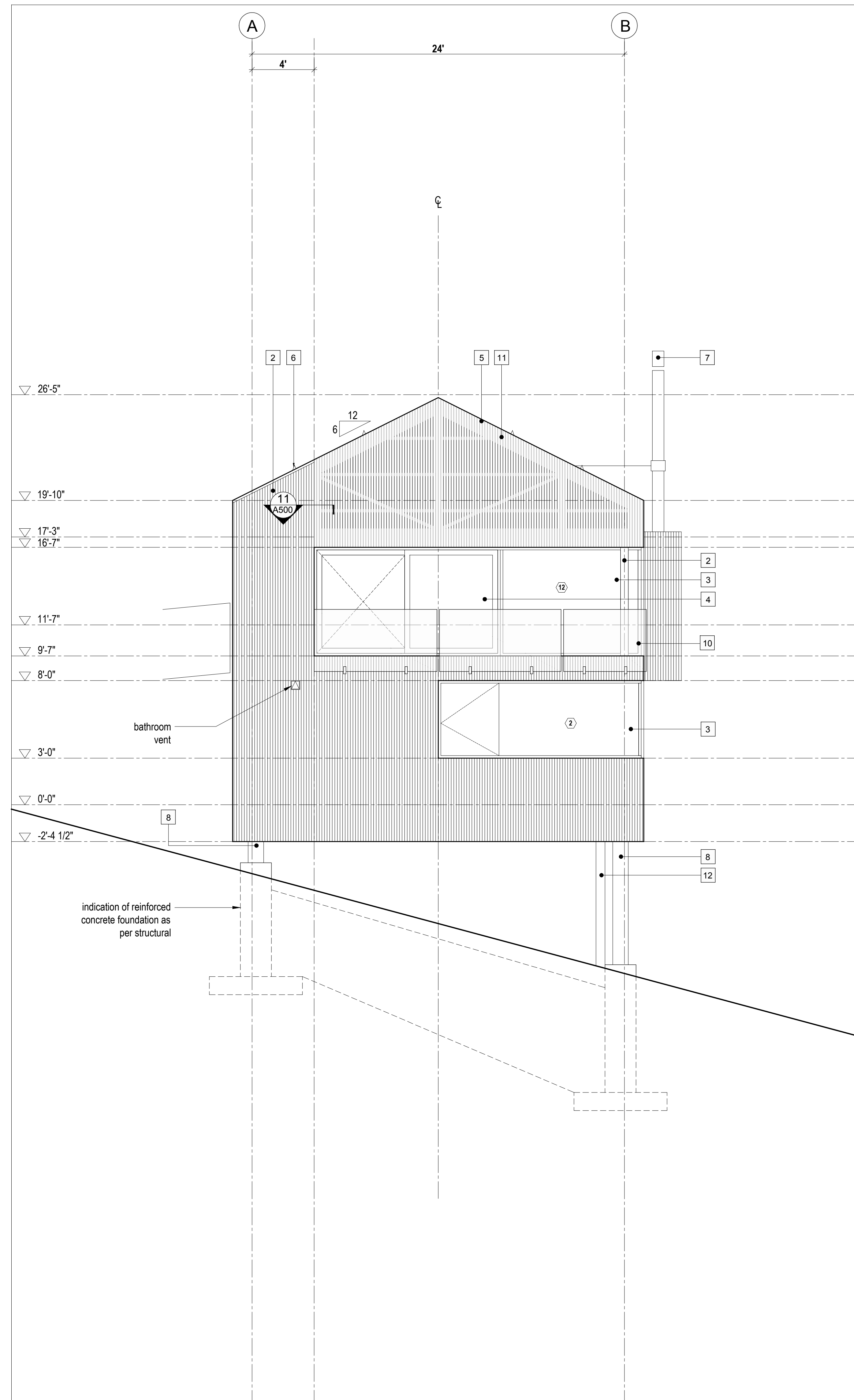
Cabin 2500 - Floor Plans

scale: varies
date: 16-04-20
drawn: M.J./J.L.
chk'd: B.M.L.

A201



2 Exterior Elevation
Scale 1/4" = 1'-0"



1 Exterior Elevation
Scale 1/4" = 1'-0"

LEGEND

- 1 fire retardant pressure treated cedar shingles - 4" exposure
- 2 1x4 vertical shiplap wood cladding - 1/4"x3/8" kerf cut at centerline of board
- 3 anodized aluminum framed glazing system - see window/door schedule
- 4 anodized aluminum framed sliding glazing system - see window/door schedule
- 5 clear anodized aluminum flashing
- 6 snow bracket
- 7 stainless steel chimney
- 8 galvanized steel column;
- 9 galvanized steel bracing
- 10 side-mounted tempered glass guard
- 11 wood screen wall as per Exterior Wall Assembly 3
- 12 insulated steel service chase; galvanized finish to match bracing - see mechanical for locations
- 13 operable wood screen over glazing

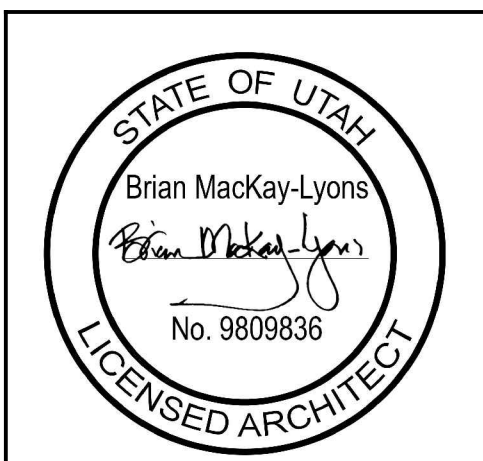
Horizon Neighborhood
CABINS

Summit Powder Mountain
Evan, Utah

MackKay-Lyons
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Canada B3K 3B4

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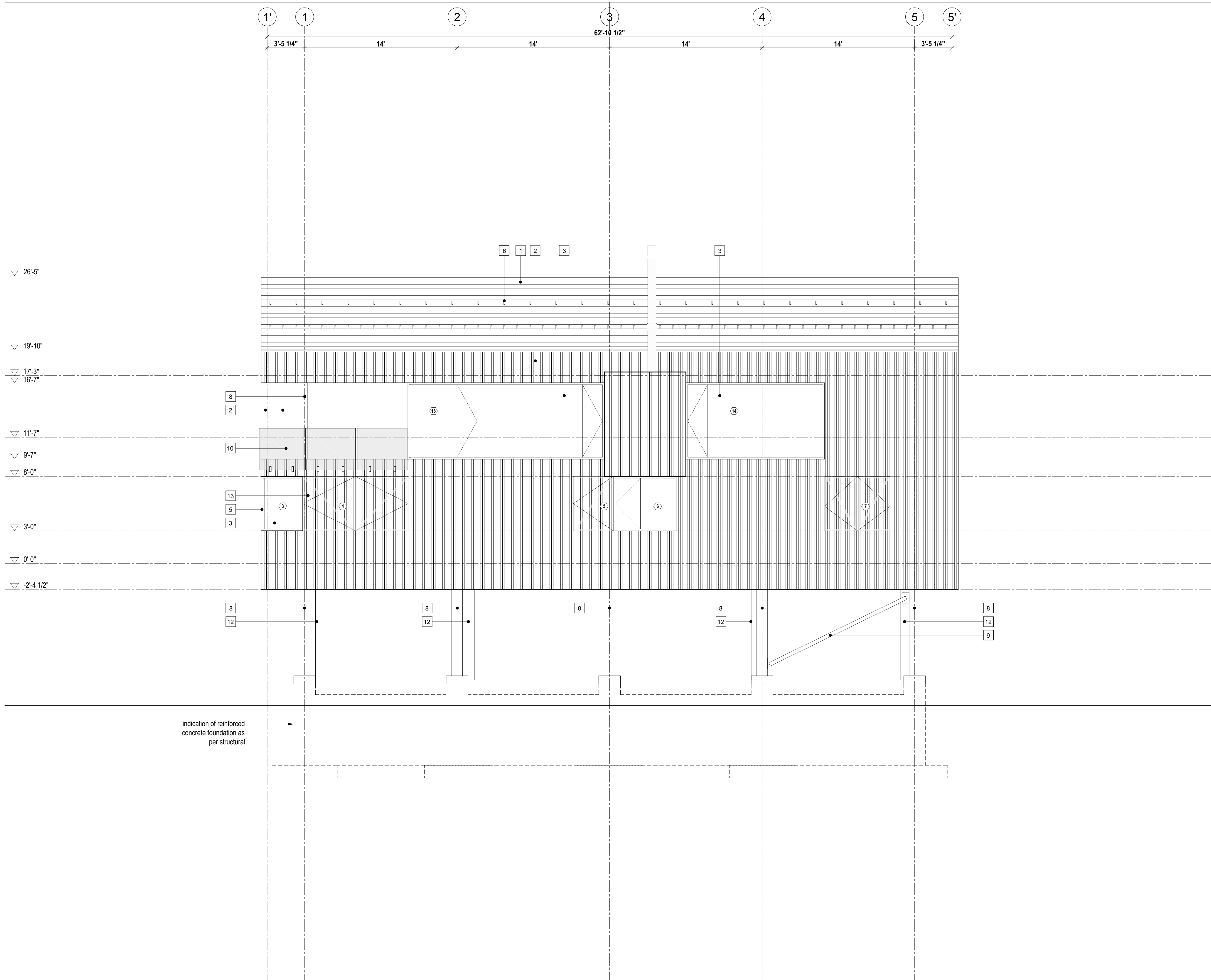
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Cabin 2500-
Exterior
Elevations

scale: 1/4" = 1'-0"
date: 16-04-20
drawn: M.J./J.L.
chk'd: B.M.L.

A300



- LEGEND**
- 1 fire retardant pressure treated cedar shingles - 4" exposure
 - 2 1x4 vertical shiplap wood cladding - 1/4"x3/8" kerf cut at centerline of board
 - 3 anodized aluminum framed glazing system - see window/door schedule
 - 4 anodized aluminum framed sliding glazing system - see window/door schedule
 - 5 clear anodized aluminum flashing
 - 6 snow bracket
 - 7 stainless steel chimney
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 - 10 side-mounted tempered glass guard
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 - 12 insulated steel service chase; galvanized finish to match bracing - see mechanical for locations
 - 13 operable wood screen over glazing

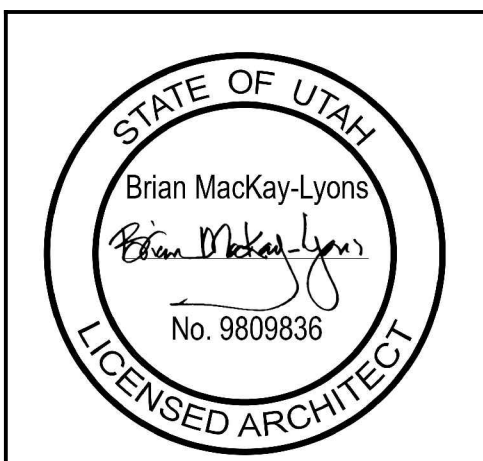
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MackKay-Lyons Sweetapple Architects Limited

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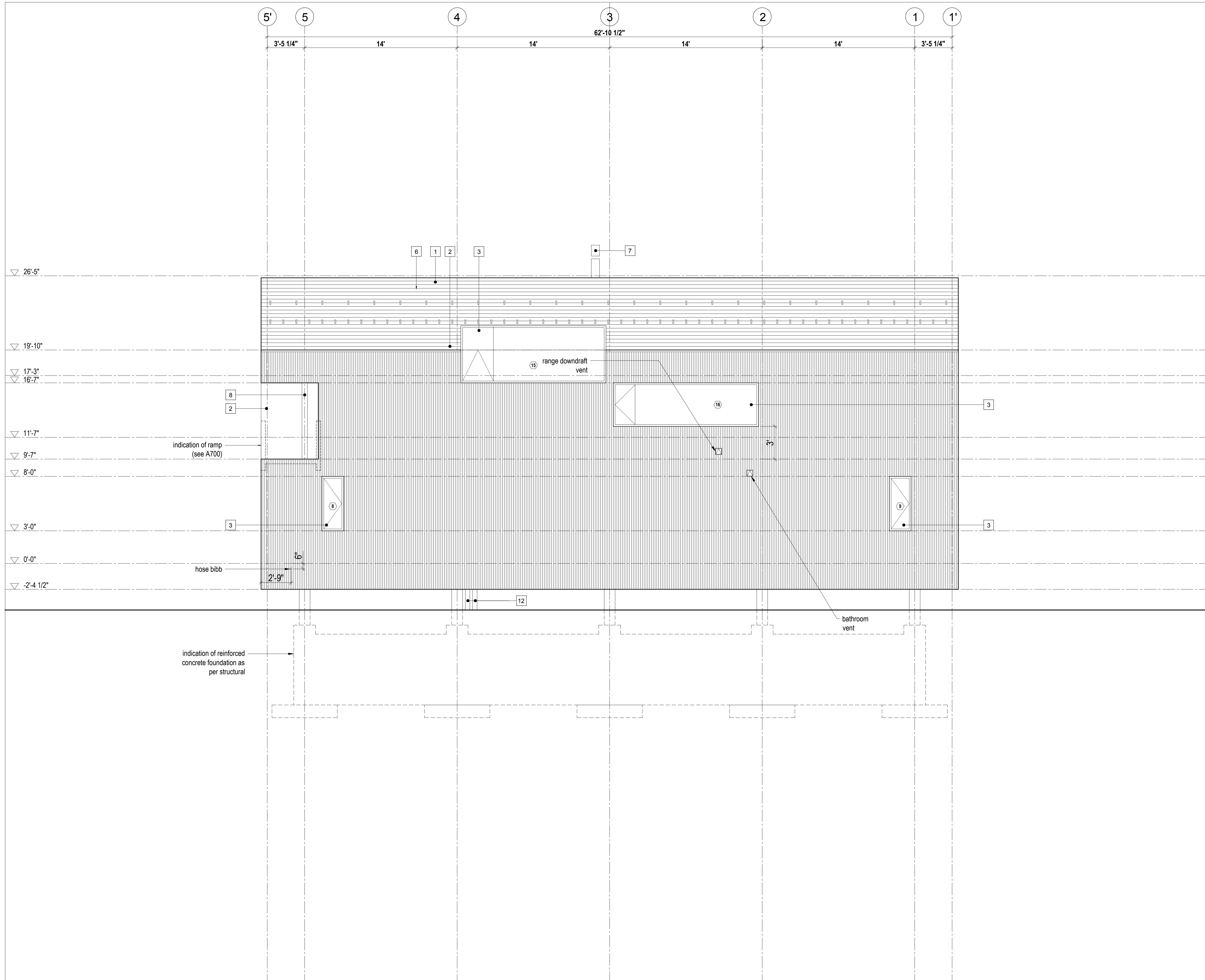
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Cabin 2500-
Exterior
Elevation

scale: 1/4" = 1'-0"
date: 16-04-20
drawn: M.J./J.L.
chk'd: B.M.L.

A301

1 Exterior Elevation
Scale 1/4" = 1'-0"



- LEGEND**
- 1 fire retardant pressure treated cedar shingles - 4" exposure
 - 2 1x4 vertical shiplap wood cladding - 1/4"x3/8" kerf cut at centerline of board
 - 3 anodized aluminum framed glazing system - see window/door schedule
 - 4 anodized aluminum framed sliding glazing system - see window/door schedule
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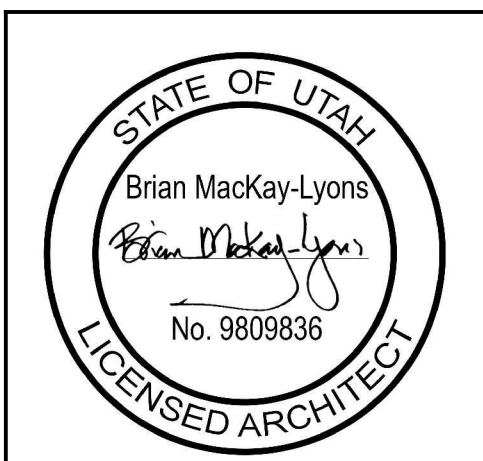
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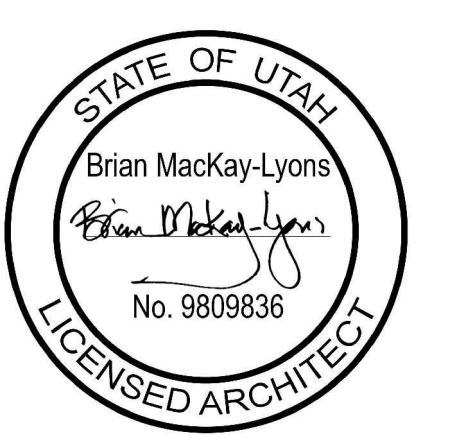
SHOP DRAWINGS:
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Cabin 2500- Exterior Elevation

scale: 1/4" = 1'-0"
date: 16-04-20
drawn: M.J./J.L.
chk'd: B.M.L.

A302

1 Exterior Elevation
Scale 1/4" = 1'-0"



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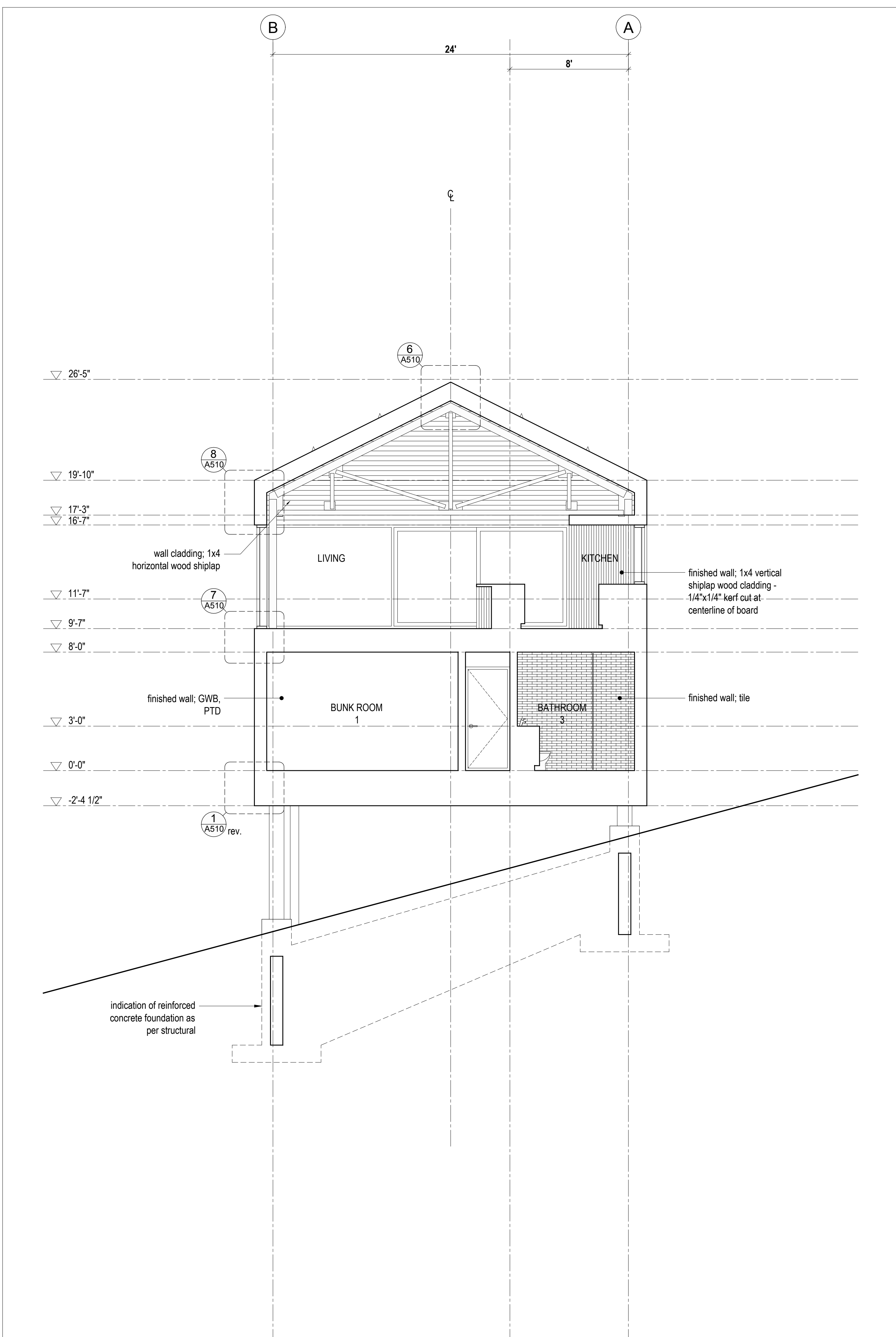
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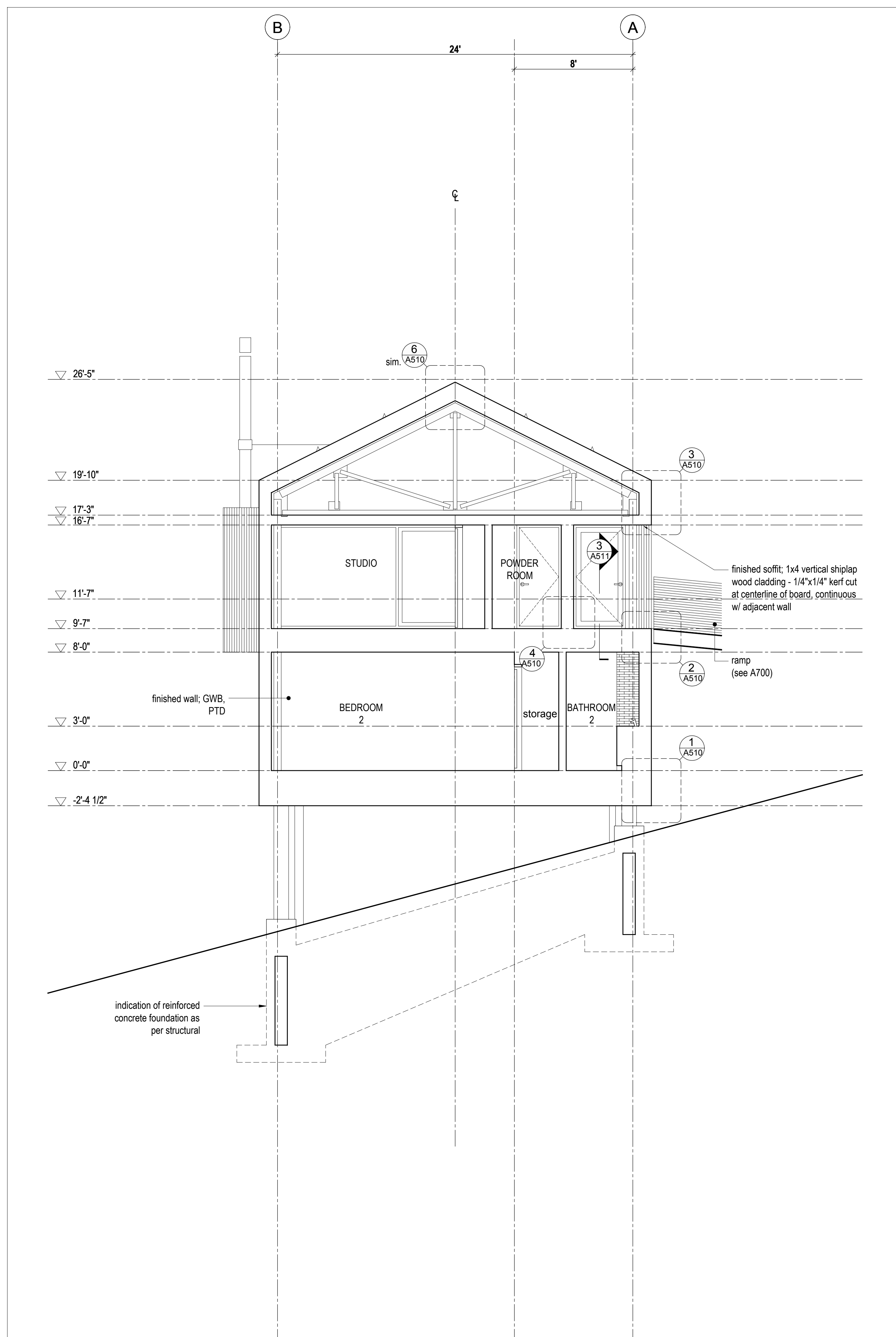
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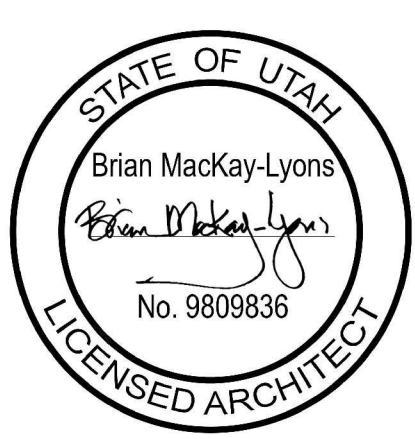
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2 Cross Section
 Scale 1/4" = 1'-0"



1 Cross Section
 Scale 1/4" = 1'-0"



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It is the Builder's responsibility to notify MackKay-Lyons Sweetapple Architects Ltd. and to seek prior written approval for materials and workmanship which deviates from instructions provided by the Engineer.

AUTHORITIES' REQUIREMENTS AND APPROVALS:
All materials and workmanship must comply with the requirements of all authorities having jurisdiction over the work. It is the Builder's responsibility to gain necessary approval from all relevant Authorities.

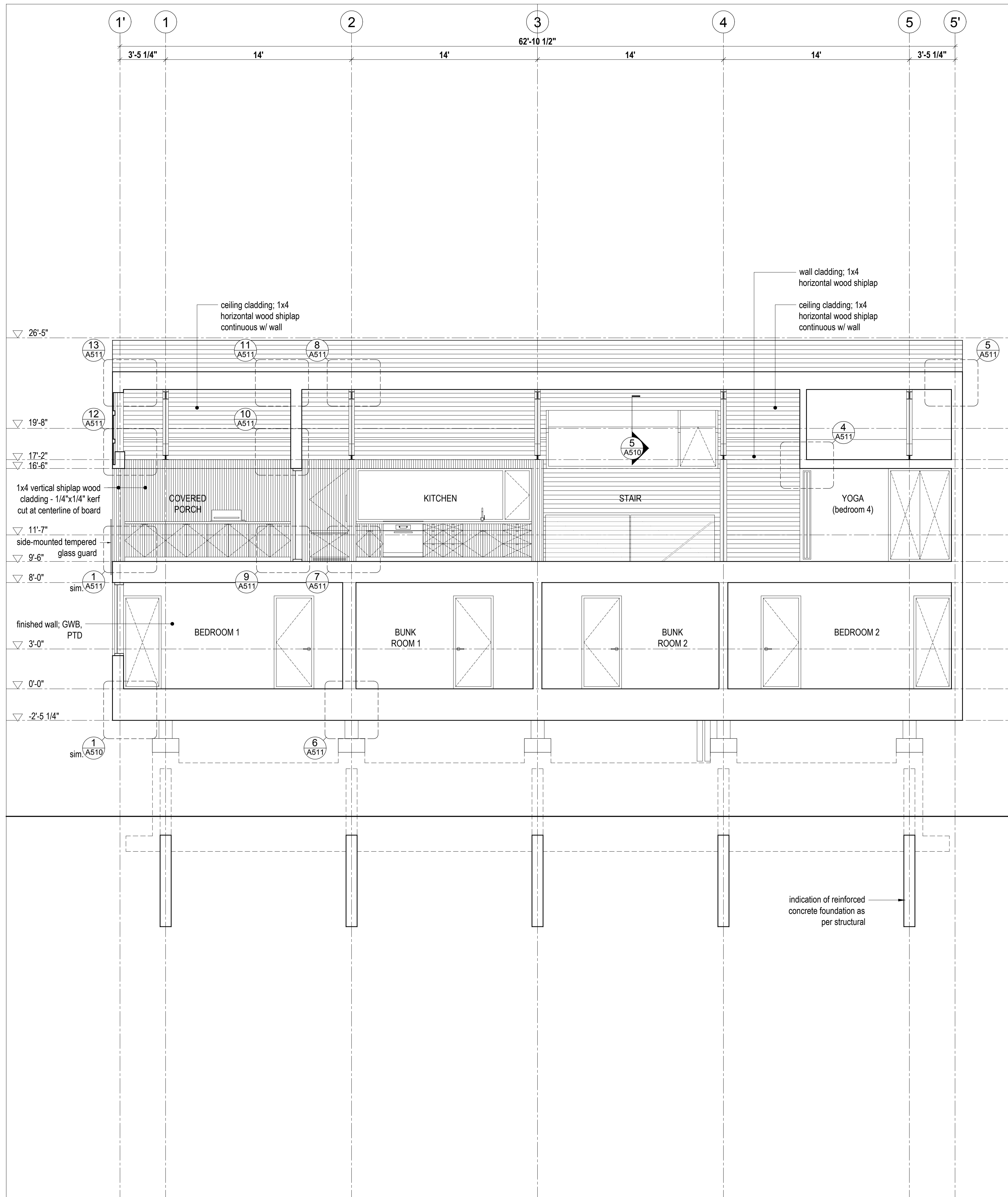
DIMENSIONS:
All dimensions must be verified on site. Do not scale off drawings. Plans take precedent over elevations. In the absence of dimensions, or if discrepancies exist, consult Architect. All minimum dimensions are to comply with the National Building Code of Canada.

SHOP DRAWINGS:
Submit shop drawings to the Architect and Engineer for approval prior to manufacture of prefabricated elements of the building.

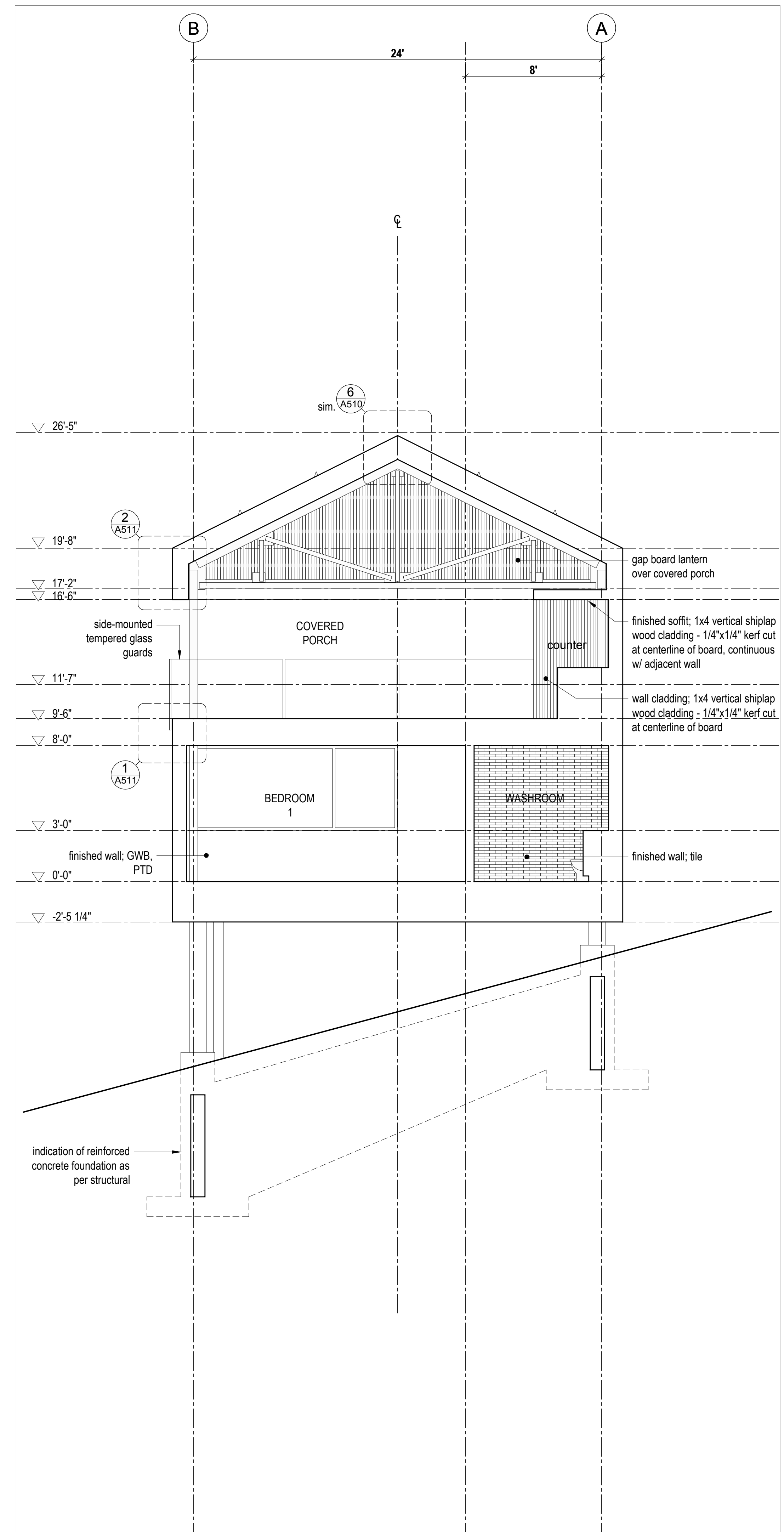
**Cabin 2500 -
Building
Sections**

scale: 1/4" = 1'-0"
date: 16-04-20
drawn: M.J./J.L.
chk'd: B.M.L.

A401



2 Long Section
Scale 1/4" = 1'-0"



1 Cross Section
Scale 1/4" = 1'-0"

SCHEDULE OF SPECIAL INSPECTIONS

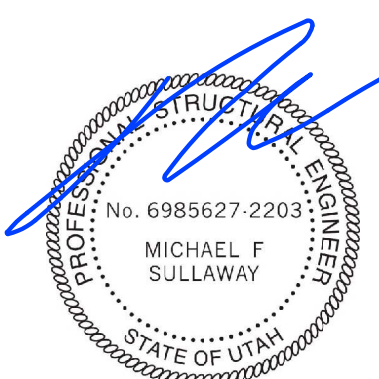
VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	DETAILED INSTRUCTIONS AND FREQUENCIES
REINFORCED CONCRETE (IBC 1705.3 & 1705.12.1)			
REINFORCING STEEL		X	VERIFY PRIOR TO PLACING CONCRETE THAT REINFORCING IS OF SPECIFIED TYPE, GRADE AND SIZE; THAT IT IS FREE OF OIL, DIRT AND RUST; THAT IT IS LOCATED AND SPACED PROPERLY; THAT HOOKS, BENDS, TIES, STIRRUPS, AND SUPPLEMENTAL REINFORCEMENT ARE PLACED CORRECTLY; THAT TAP LENGTHS, STAGGER AND OFFSETS ARE PROVIDED; AND THAT ALL MECHANICAL CONNECTIONS ARE INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS AND/OR EVALUATION REPORT.
ANCHORAGE		X	INSPECTION OF ANCHORS CAST IN CONCRETE.
USE OF REQUIRED MIX DESIGN		X	VERIFY THAT ALL MIXTURES USED COMPLY WITH THE APPROVED CONSTRUCTION DOCUMENTS; ACI 318: Ch. 4, 5.2-5.4; AND IBC 1904.3, 1913.2, 1913.3.
CONCRETE SAMPLING FOR STRENGTH TESTS, SLUMP, AIR CONTENT, AND TEMPERATURE	X		
CONCRETE PLACEMENT	X		
CURING TEMPERATURE AND TECHNIQUES		X	VERIFY THAT AMBIENT TEMPERATURE FOR CONCRETE IS KEPT > 50°F FOR AT LEAST 7 DAYS AFTER PLACEMENT. HIGH-EARLY-STRENGTH CONCRETE SHALL BE KEPT > 50°F FOR AT LEAST 3 DAYS. ACCELERATED CURING METHODS MAY BE USED (SEE ACI 318.5.11.3). ALL CONCRETE MATERIALS, REINFORCEMENT, FORMS, FILLERS, AND GROUND SHALL BE FREE FROM FROST. IN HOT WEATHER CONDITIONS ENSURE THAT APPROPRIATE MEASURES ARE TAKEN TO AVOID PLASTIC SHRINKAGE CRACKING AND THAT THE SPECIFIED WATER/CEMENT RATIO IS NOT EXCEEDED.
STRENGTH VERIFICATION		X	VERIFY THAT ADEQUATE STRENGTH HAS BEEN ACHIEVED PRIOR TO THE REMOVAL OF FORMS.
FORMWORK		X	VERIFY THAT FORMS ARE PLACED PLUMB AND CONFORM TO THE SHAPES, LINES, AND DIMENSIONS OF THE MEMBERS AS REQUIRED BY THE APPROVED CONSTRUCTION DOCUMENTS.
STRUCTURAL STEEL - PRIOR TO WELDING (TABLE N5.4-1, AISC 360-10)			
VERIFY WELDING PROCEDURES (WPS) AND CONSUMABLE CERTIFICATES	X		
MATERIAL IDENTIFICATION		X	VERIFY TYPE AND GRADE OF MATERIAL.
WELDER IDENTIFICATION		X	A SYSTEM SHALL BE MAINTAINED BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED.
FIT-UP GROOVE WELDS		X	VERIFY JOINT PENETRATION, DIMENSIONS, CLEANLINESS, TACKING, AND BACKING.
ACCESS HOLES		X	VERIFY CONFIGURATION AND FINISH.
FIT-UP FILLET WELDS		X	VERIFY ALIGNMENT, GAPS AT ROOT, CLEANLINESS OF STEEL SURFACES, AND TACK WELD QUALITY AND LOCATION.
STRUCTURAL STEEL - DURING WELDING (TABLE N5.4-2, AISC 360-10)			
USE OF QUALIFIED WELDERS		X	VERIFY THAT WELDERS ARE APPROPRIATELY QUALIFIED.
CONTROL AND HANDLING OF WELDING CONSUMABLES		X	VERIFY PACKAGING AND EXPOSURE CONTROL.
CRACKED TACK WELDS		X	VERIFY THAT WELDING DOES NOT OCCUR OVER CRACKED TACK WELDING.
ENVIRONMENTAL CONDITIONS		X	VERIFY THAT WIND SPEED, PRECIPITATION, AND TEMPERATURE ARE WITHIN LIMITS.
WPS FOLLOWED		X	VERIFY ITEMS SUCH AS SETTINGS ON WELDING EQUIPMENT, TRAVEL SPEED, WELDING MATERIALS, SHIELDING GAS TYPE/FLOW RATE, PREHEAT APPLIED, INTERPASS TEMPERATURE MAINTAINED, AND PROPER POSITION.
WPS FOLLOWED		X	VERIFY ITEMS SUCH AS SETTINGS ON WELDING EQUIPMENT, TRAVEL SPEED, WELDING MATERIALS, SHIELDING GAS TYPE/FLOW RATE, PREHEAT APPLIED, INTERPASS TEMPERATURE MAINTAINED, AND PROPER POSITION.
WELDING TECHNIQUES		X	VERIFY INTERPASS AND FINAL CLEANING, EACH PASS IS WITHIN PROFILE LIMITATIONS, AND QUALITY OF EACH PASS.
STRUCTURAL STEEL - AFTER WELDING (TABLE N5.4-3, AISC 360-10)			
WELDS CLEANED		X	VERIFY THAT WELDS HAVE BEEN PROPERLY CLEANED.
SIZE, LENGTH, AND LOCATION OF WELDS	X		
WELDS MEET VISUAL ACCEPTANCE CRITERIA	X		
ARC STRIKES	X		
K-AREA	X		
BACKING AND WELD TABS REMOVED	X		
REPAIR ACTIVITIES	X		
DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT/MEMBER	X		

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	DETAILED INSTRUCTIONS AND FREQUENCIES
NON-DISTRUCTIVE TESTING (SECTION N5.5, AISC 360-10)			
CJP WELDS		X	ULTRASONIC TESTING SHALL BE PERFORMED ON 10% OF CJP GROOVE WELDS IN BUTT, T- AND CORNER JOINTS SUBJECTED TO TRANSVERSELY APPLIED TENSION LOADING IN MATERIALS 5/16" THICK OR GREATER. TESTING RATE MUST BE INCREASED IF >5% OF WELDS TESTED HAVE UNACCEPTABLE DEFECTS.
ACCESS HOLES (FLANGE > 2")	X		
WELD JOINTS SUBJECT TO FATIGUE	X		
OTHER STEEL INSPECTIONS (SECTION N5.7, AISC 360-10; TABLES J8-1 & J10-1, AISC 341-10)			
STRUCTURAL STEEL DETAILS		X	ALL FABRICATED STEEL OR STEEL FRAMES SHALL BE INSPECTED TO VERIFY COMPLIANCE WITH THE DETAILS SHOWN IN THE CONSTRUCTION DOCUMENTS, SUCH AS BRACES, STIFFENERS, MEMBER LOCATIONS, AND PROPER APPLICATION OF JOINT DETAILS AT EACH CONNECTION.
ANCHOR RODS AND OTHER EMBEDMENTS SUPPORTING STRUCTURAL STEEL		X	SHALL BE ON THE PREMISES DURING THE PLACEMENT OF ANCHOR RODS AND OTHER EMBEDMENTS SUPPORTING STRUCTURAL STEEL FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS. VERIFY THE DIAMETER, GRADE, TYPE, AND LENGTH OF THE ANCHOR ROD OR EMBEDMENT ITEM, AND THE EXTENT OR DEPTH OF EMBEDMENT PRIOR TO PLACEMENT OF CONCRETE.
WOOD CONSTRUCTION (IBC 1705.10.1 & 1705.11.2)			
HIGH-LOAD DIAPHRAGMS		X	VERIFY THICKNESS AND GRADE OF SHEATHING, SIZE OF FRAMING MEMBERS AT PANEL EDGES, NAIL/STAPLE DIAMETERS AND LENGTH, AND THE NUMBER OF FASTENER LINES AND FASTENER SPACING PER APPROVED PLANS. <i>PERFORMED BY CODE INSPECTION FIRM.</i>
STRUCTURAL WOOD		X	WHERE FASTENER SPACING IS < 4" o.c.; VERIFY PROPER NAILING, BOLTING, ANCHORING, AND OTHER FASTENING OF SHEAR WALLS, DIAPHRAGMS, BRACES, AND HOLD-DOWNS. <i>PERFORMED BY CODE INSPECTION FIRM.</i>
SOILS (IBC 1705.6)			
VERIFY SUBGRADE IS ADEQUATE TO ACHIEVE DESIGN BEARING CAPACITY		X	PROIR TO PLACEMENT OF CONCRETE.
VERIFY EXCAVATIONS EXTEND TO PROPER DEPTH AND MATERIAL		X	PROIR TO PLACEMENT OF COMPACTED FILL OR CONCRETE.
VERIFY THAT SUBGRADE HAS BEEN APPROPRIATELY PREPARED PRIOR TO PLACING COMPACTED FILL		X	PROIR TO PLACEMENT OF COMPACTED FILL.
PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS		X	ALL MATERIALS SHALL BE CHECKED AT EACH LIFT FOR PROPER CLASSIFICATIONS AND GRADATIONS NOT LESS THAN ONCE FOR EACH 10,000 SQ.FT. OF SURFACE AREA.
VERIFY PROPER MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION.	X		ALL MATERIALS SHALL BE CHECKED AT EACH LIFT FOR PROPER CLASSIFICATIONS AND GRADATIONS NOT LESS THAN ONCE FOR EACH 10,000 SQ.FT. OF SURFACE AREA.

- SPECIAL INSPECTORS SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO PERFORMING ANY DUTIES.
- SPECIAL INSPECTORS SHALL PROVIDE PROOF OF LICENSURE BY THE STATE OF UTAH FOR EACH TYPE OF INSPECTION.
- SPECIAL INSPECTIONS AND TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS, THIS STATEMENT, AND THE IBC SECTIONS 1704 AND 1705.
- INSPECTION REPORTS WILL BE SUBMITTED TO THE CODE CONSULTANT, THE ARCHITECT, AND THE STATE OF UTAH BUILDING OFFICIAL WITHIN 48 HOURS OF PERFORMING INSPECTIONS.
- A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS, TESTING AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS AND A STATEMENT INDICATING THAT THE STRUCTURE IS IN COMPLIANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS AND APPLICABLE CODES SHALL BE SUBMITTED.

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REVIEWED AND SEALED BY:



SULLAWAY
ENGINEERING
10815 RANCHO BERNARDO ROAD
SUITE 210
SAN DIEGO, CA 92127
(619) 315-6160
www.sullawayeng.com

MARK	DATE	DESCRIPTION
	2016.11.15	FOUNDATIONS PERMIT REV. 1
	2016.10.14	FOUNDATIONS ONLY PERMIT
	2016.10.05	ISSUE:

Project Name
**SUMMIT CABINS
2500SF UNIT**

Address
**EDEN
UTAH**


File Name	CAD/BIM Program AUTOCAD
Drawn by AVB	Checked by N/A
Scale AS NOTED	Project # 160063

Sheet Title
**STATEMENT OF
SPECIAL
INSPECTIONS**



S-002

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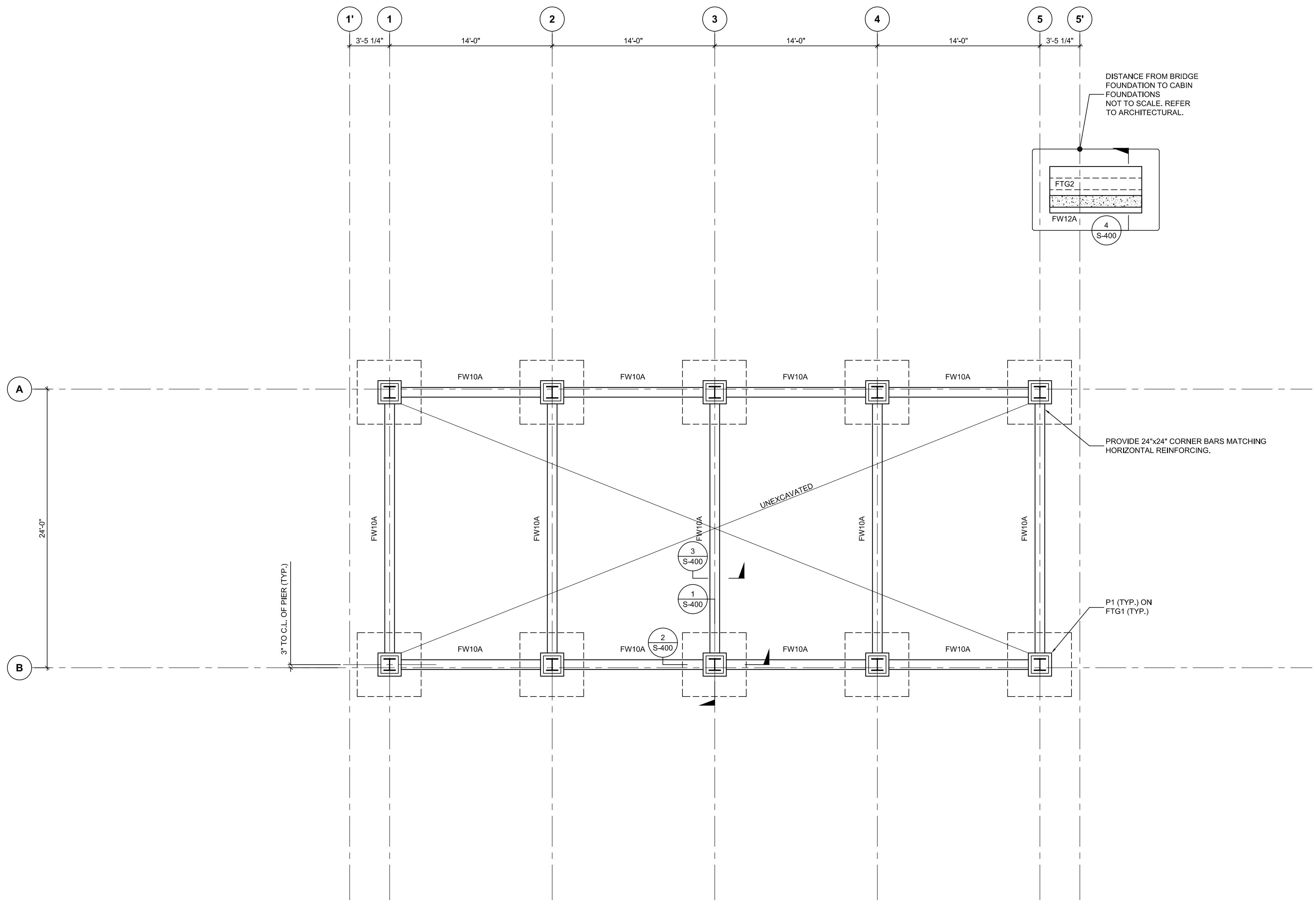
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SULLAWAY
ENGINEERING
10815 RANCHO BERNARDO ROAD
SUITE 210
SAN DIEGO, CA 92127
(619) 312-1192
www.sullawayeng.com

FOUNDATION MEMBER SCHEDULE		
MEMBER MARK	MEMBER DESCRIPTION	REMARKS
FW10A	10" CONCRETE FOUNDATION WALL	#5 #5 BARS @ 12" c/c EACH WAY EACH FACE. HOOK TOPS AND BOTTOMS OF VERTICAL BARS. CONSTRUCT WALLS ON SLOPE.
FW12A	12" CONCRETE FOUNDATION WALL	#5 #5 BARS @ 10" c/c EACH WAY EACH FACE. PROVIDE 1" x 3" HOOKED DOVELS FROM OUTSIDE FACE OF WALL TO FOOTING BELOW.
FTG1	6'-0" x 6'-0" x 1'-2" CONC. PAD FOOTING	#5 #5 BOTTOM BARS EACH WAY. 
FTG2	8'-0" x 4'-0" x 1'-0" CONC. PAD FOOTING	#5 #5 BARS @ 9" c/c EACH WAY TOP +2 #5 BARS BOTTOM BARS TO TIE HOOKS, REFER TO SECTION DETAIL. 
P1	2'-0" x 2'-0" CONC. PIER	#12 #7 BARS AND #3 STIRRUPS AT 12" c/c

NOTES:
1. PROVIDE CONSULTANT WITH REINFORCING SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.



1 FOUNDATION PLAN
S-101 3/16" = 1'-0"

- NOTES:
- A GEOTECHNICAL REPORT HAS BEEN PREPARED BY IGES INC. CONTRACTOR IS TO READ THE REPORT AND BECOME FAMILIAR WITH ITS CONTENTS.
 - SHALLOW FOUNDATIONS HAVE BEEN DESIGNED WITH AN ALLOWABLE BEARING CAPACITY OF 2,600psf.
 - REMEDIATE SOIL IN ACCORDANCE WITH GEOTECHNICAL RECOMMENDATIONS.
 - NO FOOTINGS ARE TO BE CAST WITHOUT PRIOR APPROVAL FROM THE GEOTECHNICAL CONSULTANT.

MARK	DATE	DESCRIPTION
	2016.11.15	FOUNDATION PERMIT REV 1
	2016.10.14	FOUNDATION PERMIT ONLY

ISSUE:

Project Name
SUMMIT CABINS
2500 SQFT UNIT

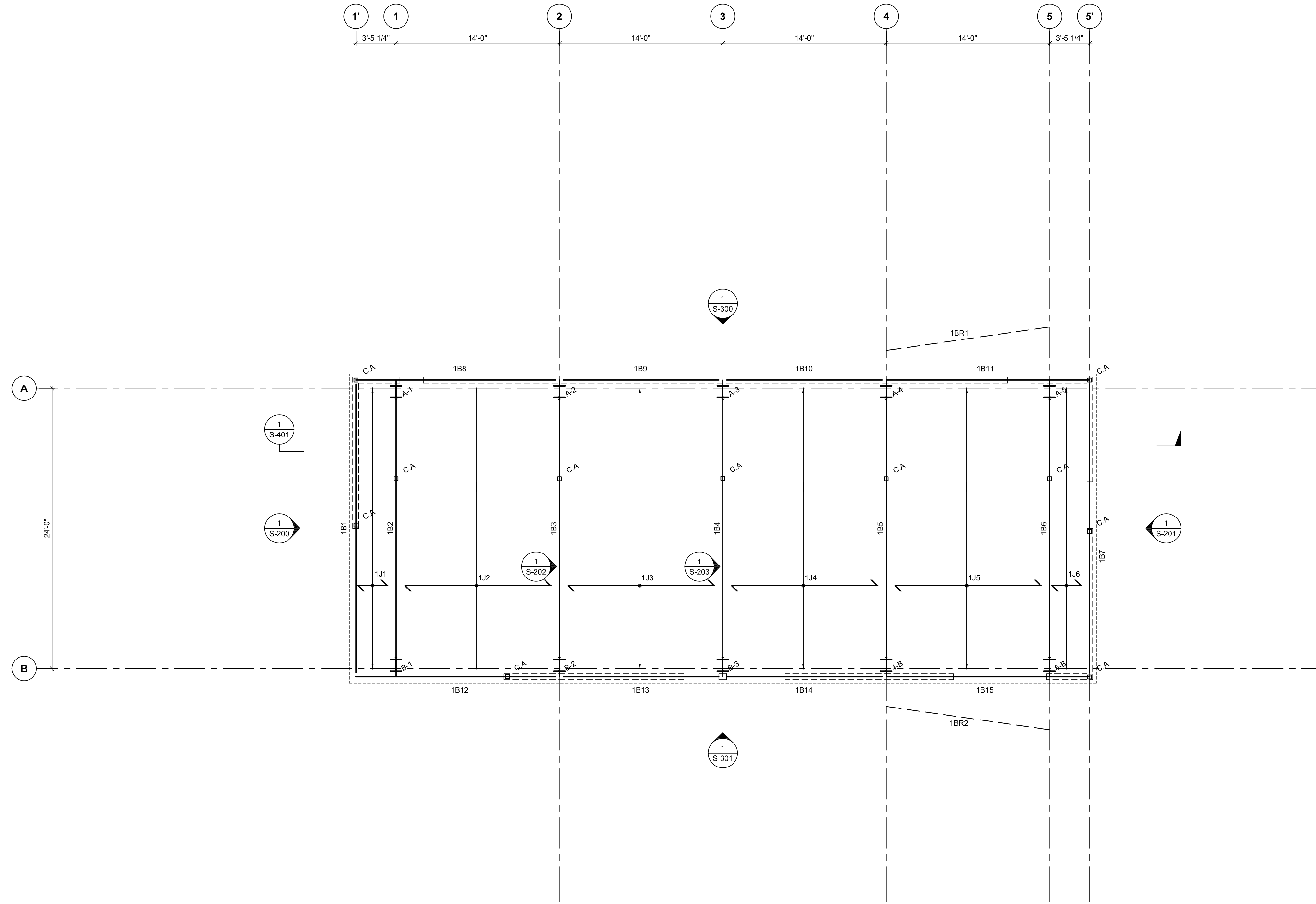
Address
EDEN
UTAH

File Name	CAD/BIM Program AUTOCAD
Drawn by	Checked by N/A
Scale	Project # 160063

Sheet Title
FOUNDATION PLAN

S-100

19 Duncan St., #405, Toronto, ON M5H 1Y1 Tel: 416.593.2000 | 31 King St., N., 2nd Fl., Waterloo, ON N2L 2Y6 | 519.414.0895 | blackwell.ca



LOWER FLOOR MEMBER SCHEDULE				
MEMBER MARK	MEMBER DESCRIPTION	REACTIONS		REMARKS
		LEFT END	RIGHT END	
1J1	2 x 10 @ 12" c/c			
1J2	2 x 10 @ 12" c/c			
1J3	2 x 10 @ 12" c/c			
1J4	2 x 10 @ 12" c/c			
1J5	2 x 10 @ 12" c/c			
1J6	2 x 10 @ 12" c/c			
1B1	W12X26			
1B2	W12X50			
1B3	W12X50			
1B4	W12X50			
1B5	W12X50			
1B6	W12X50			
1B7	W12X26			
1B8	W12X26			
1B9	W12X26			
1B10	W12X26			
1B11	W12X26			
1B12	W12X26			
1B13	W12X26			
1B14	W12X26			

- NOTES:
- ALL WOOD CONNECTORS ARE TO BE BY SIMPSON STRONG TIE. PROVIDE CONSULTANT WITH FULL SPEC. OF ALTERNATE HANGERS FOR APPROVAL PRIOR TO USE.
 - ALL LOADS HAVE BEEN FACTORED IN ACCORDANCE WITH IBC 2016 LOAD CASES. PROVIDE 3" MINIMUM BEARING FOR ALL WOOD BEAMS ON WOOD FRAMED WALLS UNLESS NOTED OTHERWISE.

DRAWING LEGEND	
BEAM MEMBERS	—————
TRUSS ELEMENTS	-----
COLUMNS (CHANNELS & I BEAMS)	H
REPEAT FRAMING ELEMENTS (SPAN)	↔
REPEAT FRAMING ELEMENTS (EXTENT)	↔
COLUMN (HSS)	□
WOOD STUD WALLS/ SHEARWALLS	▨
WALLS (NON-LOAD BEARING)	▭
COLUMN (WOOD)	⊠
COLUMN ABOVE (WITHIN BEAM SPAN)	⊠
STUD WALLS ABOVE	□
LATERAL BRACING	-----
BEAM CANTILEVERS	CANT.
MOMENT CONNECTIONS	-
WOOD SHEARWALL (EXTENTS)	↔ SW
EXTENT OF FINISHES	-----

- 1**
S-101
LOWER LEVEL FLOOR FRAMING
3/16" = 1'-0"
- NOTES:
- LOADS USED IN DESIGN: LIVE LOAD: 40psf
DEAD LOAD: 40psf (AREAS OF 2" TOPPING)
 - ALL FLOOR SHEATHING TO BE 3/4" SHEATHING T&G GLUED AND SCREWED TO TOP OF FLOOR JOISTS.
 - THE LOWER LEVEL FRAMING DATUM IS TAKEN AS T/O FINISHED FLOOR @ 0'-0", TOP OF STEEL BEAMS ARE AT -1'-1/2" UNLESS NOTED OTHERWISE.
 - REFER TO GENERAL NOTES AND TYPICAL DETAILS FOR ADDITIONAL INFORMATION

NOTE:
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SULLAWAY
ENGINEERING
10815 RANCHO BERNARDO ROAD
SUITE 210
SAN DIEGO, CA 92127
(619) 315-1150
www.sullawayeng.com

MARK	DATE	DESCRIPTION
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	2016.10.14	FOUNDATIONS ONLY PERMIT

ISSUE:

Project Name
**SUMMIT CABINS
2500 SQFT UNIT**

Address
**EDEN
UTAH**

File Name	CAD/BIM Program AUTOCAD
Drawn by	Checked by N/A
Scale	Project # 160063

Sheet Title
**LOWER LEVEL
FRAMING PLAN**

S-101

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SUPERSTRUCTURE PERMIT PACKAGE TO
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18 Duncan St., #405, Toronto, ON M5H 1B1 | T: 416.593.3300 | F: 416.593.3301 | 31 King St. N., 2nd Fl., Waterloo, ON N2L 2Z6 | T: 519.616.0895 | blackwell.ca

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Address		
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UTAH		
File Name	CAD/BIM Program	
	AUTOCAD	
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AVB	N/A	
Scale	Project #	
AS NOTED	160063	
Sheet Title		
UPPER LEVEL		
FRAMING PLAN		

2016.11.15 FOUNDATIONS PERMIT REV 1

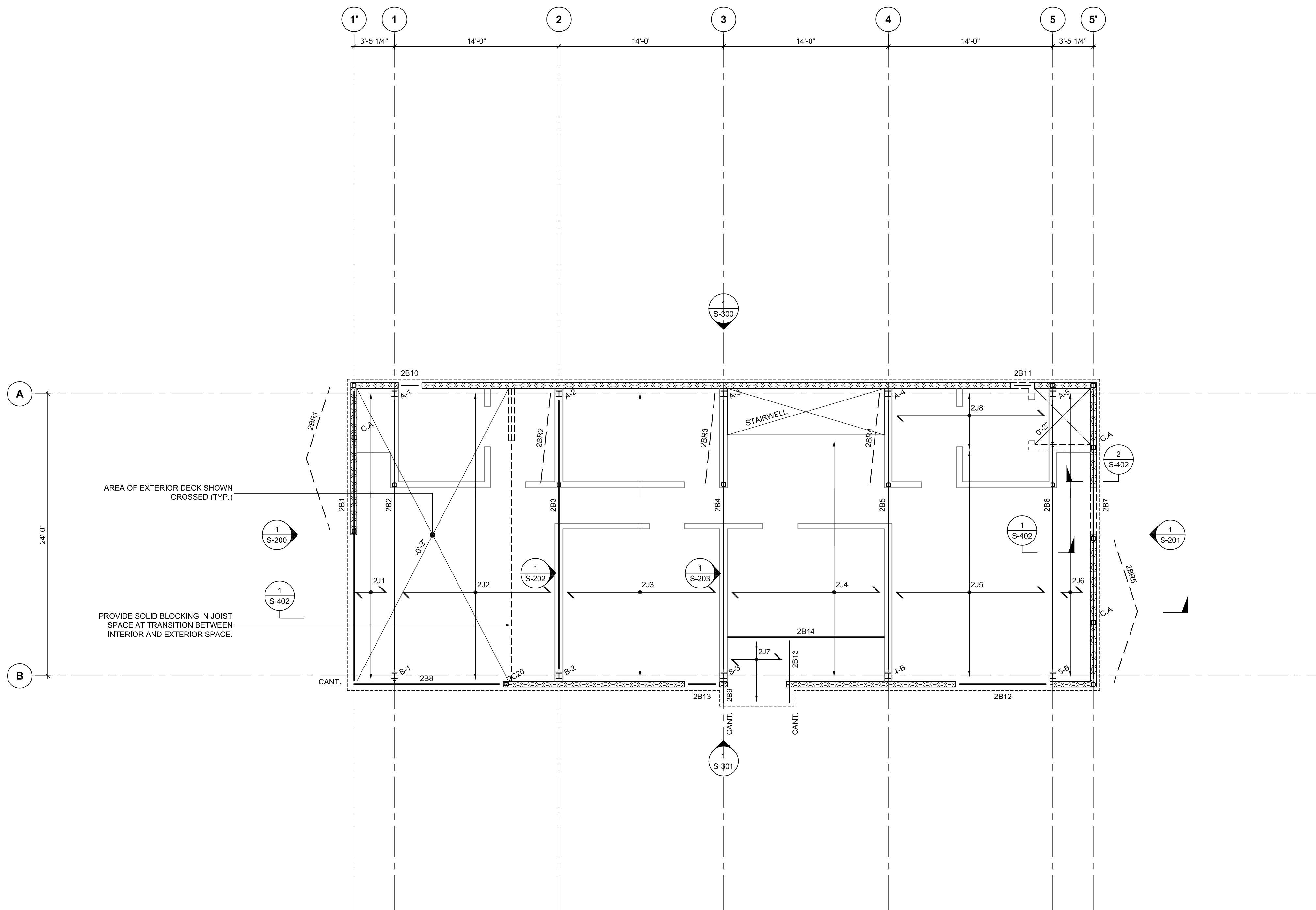
2016.10.14 FOUNDATIONS ONLY PERMIT

MARK	DATE	DESCRIPTION
ISSUE:		
Project Name		
SUMMIT CABINS		
2500 SQFT UNIT		
Address		
EDEN		
UTAH		
File Name	CAD/BIM Program	
	AUTOCAD	
Drawn by	Checked by	
AVB	N/A	
Scale	Project #	
AS NOTED	160063	
Sheet Title		
UPPER LEVEL		
FRAMING PLAN		

File Name	CAD/BIM Program
	AUTOCAD
Drawn by	Checked by
AVB	N/A
Scale	Project #
AS NOTED	160063

Sheet Title
UPPER LEVEL
FRAMING PLAN

S-102



UPPER FLOOR MEMBER SCHEDULE				
MEMBER MARK	MEMBER DESCRIPTION	REACTIONS		REMARKS
		LEFT END	RIGHT END	
2J1	2 x 12 @ 16" o/c			
2J2	2 - 2 x 12 @ 12" o/c			
2J3	2 x 10 @ 12" o/c			
2J4	2 x 10 @ 12" o/c			
2J5	2 x 10 @ 12" o/c			
2J6	2 - 2 x 10 @ 16" o/c			
2J7	2 x 12 @ 16" o/c			
2J7	2 x 12 @ 16" o/c			
2B1	W12x22			
2B2	W12x35			
2B3	W12x35			
2B4	W12x26			
2B5	W12x26			
2B6	W12x26/W8x18			
2B7	W12x22			
2B8	W12x22			
2B9	W8x18			
2B10	2-2x12			
2B11	3-2x12			
2B12	3-2x12			
2B13	2-2x12			
2B14	3-2x10			
2BR1	HSS 4"x3"x1/4" CHEVRON-BRACE			
2BR2	HSS 4"x3"x1/4" ANGLED BRACE			
2BR3	HSS 4"x3"x1/4" ANGLED BRACE			
2BR4	HSS 4"x3"x1/4" ANGLED BRACE			
2BR5	HSS 4"x3"x1/4" CHEVRON-BRACE			

- NOTES:
- ALL WOOD CONNECTORS ARE TO BE BY SIMPSON STRONG TIE. PROVIDE CONSULTANT WITH FULL SPEC. OF ALTERNATE HANGERS FOR APPROVAL PRIOR TO USE.
 - ALL LOADS HAVE BEEN FACTORED IN ACCORDANCE WITH IBC 2016 LOAD CASES.
 - PROVIDE 3" MINIMUM BEARING FOR ALL WOOD BEAMS ON WOOD FRAMED WALLS UNLESS NOTED OTHERWISE.

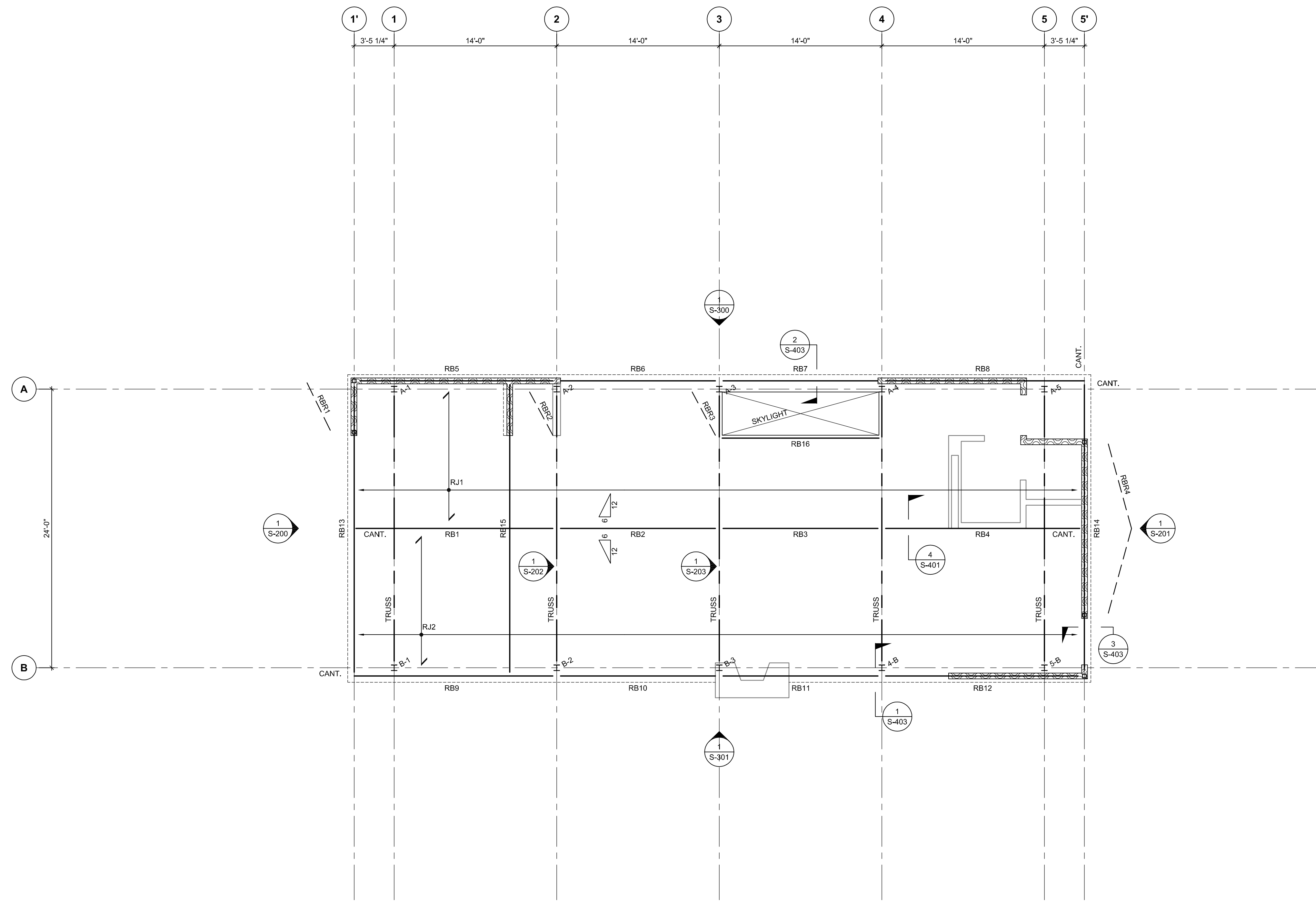
DRAWING LEGEND	
BEAM MEMBERS	———
TRUSS ELEMENTS	- - - - -
COLUMNS (CHANNELS & I BEAMS)	H
REPEAT FRAMING ELEMENTS (SPAN)	↔
REPEAT FRAMING ELEMENTS (EXTENT)	↔ [-----]
COLUMN (HSS)	□
WOOD STUD WALLS/ SHEARWALLS	[-----]
WALLS (NON-LOAD BEARING)	▬
COLUMN (WOOD)	⊠
COLUMN ABOVE (WITHIN BEAM SPAN)	⊠
STUD WALLS ABOVE	[-----]
LATERAL BRACING	———
BEAM CANTILEVERS	CANT.
MOMENT CONNECTIONS	-
WOOD SHEARWALL (EXTENTS)	↔ SW
EXTENT OF FINISHES	-----

1 LOWER LEVEL SHOWING UPPER FLOOR FRAMING
S-103 3/16" = 1'-0"

NOTES:

- LOADS USED IN DESIGN: LIVE LOAD: 40psf
DEAD LOAD: 40psf (AREAS OF 2" TOPPING)
20psf (EXTERIOR DECK)
SNOW LOAD: 192psf (EXTERIOR DECK)
- ALL FLOOR SHEATHING TO BE 3/4" SHEATHING T&G GLUED AND SCREWED TO TOP OF FLOOR JOISTS. THE UPPER LEVEL FRAMING DATUM IS TAKEN AS T/O FINISHED FLOOR @ 9'-7" ABOVE THE LOWER LEVEL FINISHED FLOOR ELEVATION. TOP OF STEEL BEAMS ARE AT -4/2" UNLESS NOTED OTHERWISE. REFER TO GENERAL NOTES AND TYPICAL DETAILS FOR ADDITIONAL INFORMATION

**DRAWING PROVIDED FOR CONTEXT ONLY.
SUPERSTRUCTURE PERMIT PACKAGE TO
FOLLOW.**



1 UPPER LEVEL SHOWING ROOF FRAMING
S-103 3/16" = 1'-0"

- NOTES:
- LOADS USED IN DESIGN: SNOW LOAD: 192psf
DEAD LOAD: 15psf + SELF WEIGHT OF COMPONENTS
 - ALL ROOF SHEATHING TO BE 3/4" SHEATHING T&G GLUED AND SCREWED TO TOP OF FLOOR JOISTS.
THE ROOF FRAMING DATUM IS TAKEN AS THE U/S OF FLAT CEILING FRAMING @ 16'-7" ABOVE THE LOWER LEVEL FINISHED FLOOR ELEVATION. TOP OF STEEL BEAMS ARE AT +11' UNLESS NOTED OTHERWISE.
 - REFER TO GENERAL NOTES AND TYPICAL DETAILS FOR ADDITIONAL INFORMATION

ROOF MEMBER SCHEDULE				
MEMBER MARK	MEMBER DESCRIPTION	REACTIONS		REMARKS
		LEFT END	RIGHT END	
RJ1	2 - 2 x 12 @ 16" o/c	H2.5A	HGUQ210-2	NOTCHED JOIST TO 9" (MIN) DEPTH AT HANGER.
RJ2	2 - 2 x 12 @ 16" o/c	HGUQ210-2	H2.5A	NOTCHED JOIST TO 9" (MIN) DEPTH AT HANGER.
RB1	W8x48			
RB2	W8x48			
RB3	W8x48			
RB4	W8x48			
RB5	HSS 10"x6"x3/8" LLV			
RB6	HSS 10"x6"x3/8" LLV			
RB7	HSS 10"x6"x3/8" LLV			
RB8	HSS 10"x6"x3/8" LLV			
RB9	HSS 10"x6"x3/8" LLV			
RB10	HSS 10"x6"x3/8" LLV			
RB11	HSS 10"x6"x3/8" LLV			
RB12	HSS 10"x6"x3/8" LLV			
RB13	HSS 10"x6"x3/8" LLV			
RB14	HSS 10"x6"x3/8" LLV			
RB15	HSS 10"x6"x3/8" LLV			
RBR1	HSS 4"x3"x1/4" ANGLED BRACE			
RBR2	2-1.3/2"x2 1/2"x3/8" ANGLES BACK-TO-BACK			
RBR3	2-1.3/2"x2 1/2"x3/8" ANGLES BACK-TO-BACK			
RBR4	HSS 4"x3"x1/4" CHEVRON BRACE			

- NOTES:
- ALL WOOD CONNECTORS ARE TO BE BY SIMPSON STRONG TIE. PROVIDE CONSULTANT WITH FULL SPEC. OF ALTERNATE HANGERS FOR APPROVAL PRIOR TO USE.
 - ALL LOADS HAVE BEEN FACTORED IN ACCORDANCE WITH IBC 2016 LOAD CASES. PROVIDE 3" MINIMUM BEARING FOR ALL WOOD BEAMS ON WOOD FRAMED WALLS UNLESS NOTED OTHERWISE.

DRAWING LEGEND	
BEAM MEMBERS	—————
TRUSS ELEMENTS	- - - - -
COLUMNS (CHANNELS & I BEAMS)	H
REPEAT FRAMING ELEMENTS (SPAN)	↔
REPEAT FRAMING ELEMENTS (EXTENT)	—————
COLUMN (HSS)	□
WOOD STUD WALLS/ SHEARWALLS	▨
WALLS (NON-LOAD BEARING)	▭
COLUMN (WOOD)	⊠
COLUMN ABOVE (WITHIN BEAM SPAN)	⊠
STUD WALLS ABOVE	▭
LATERAL BRACING	- - - - -
BEAM CANTILEVERS	CANT.
MOMENT CONNECTIONS	•
WOOD SHEARWALL (EXTENTS)	↔ SW
EXTENT OF FINISHES	-----

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Scale	Project #
AS NOTED	160063

Sheet Title
ROOF FRAMING
PLAN

S-103

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COLUMN AND FOOTING SCHEDULE		A(-8 1/2') - 1	A(+3'-8 1/2') - 1	A - 1	B - 1	A - 2	B - 2	A - 3	B - 3	A - 4	B - 4	A - 5	B - 5	A(+4'-6 1/2') - 5	B(-4'-6 1/2') - 5	B(+8 1/2') - 5	A(+11'-8 1/2') - 1	A(+7'-9') - 1	A(+7'-9') - 2	A(+7'-9') - 3	A(+7'-9') - 4	A(+7'-9') - 5	A(+8 1/2') - 5	B(-11'-8 1/2') - 5	B(-8 1/2') - 2(-4'-5 1/2')	A(+8 1/2') - 5	
TOP OF STEEL (17'-5 1/2')	Mf (Kip-ft)			9 1/2"	9 1/2"	9 1/2"	9 1/2"	9 1/2"	9 1/2"	9 1/2"	9 1/2"	9 1/2"	9 1/2"														
	Ct (Kip)	XX	XX											XX	XX	XX											
UPPER FLOOR (FF: 9'-6")	Mf (Kip-ft)	HSS 4x4x1/4"		2-MC6x16.3	2-MC6x16.3	2-MC6x16.3	2-MC6x16.3	2-MC6x16.3	2-MC6x16.3	2-MC6x16.3	2-MC6x16.3	2-MC6x16.3	2-MC6x16.3														
	Ct (Kip)	XX	XX													XX											
LOWER FLOOR (FF: 0'-0")	Mf (Kip-ft)																										
	Ct (Kip)			XX	XX	XX	XX	XX	XX	XX	XX	XX	XX														
T/O PIER (VARIES)	Mf (Kip-ft)			WT2450 2"	WT2450 2"	WT2450 2"	WT2450 2"	WT2450 2"	WT2450 2"	WT2450 2"	WT2450 2"	WT2450 2"	WT2450 2"														
U/S BASEPLATE FROM T/O PIER																											
BASEPLATE																											

- NOTES:
- 1. CENTRE COLUMNS CAPS AND FOOTINGS ON GRIDS UNLESS NOTED OTHERWISE
 - 2. UNLESS OTHERWISE NOTED, BASEPLATE DIMENSION GIVEN FIRST IS PARALLEL TO THE COLUMN WEB.

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SUITE 210
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Scale	AS NOTED
Project #	160063

Sheet Title
**COLUMN
SCHEDULE**

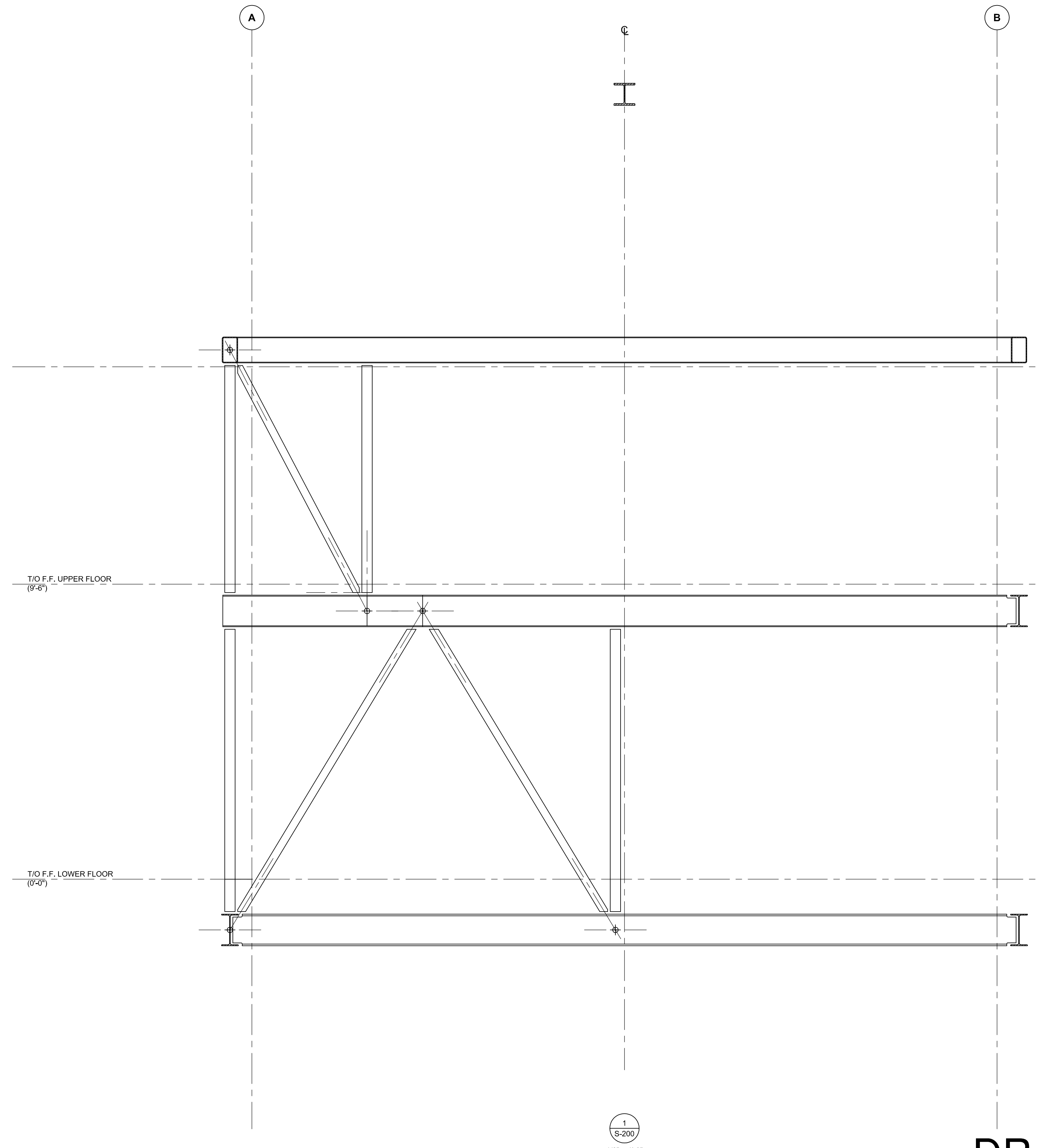
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S-200 STEEL ELEVATIONS

NOTES:

1. DRAWINGS ARE DEVELOPED TO SHOW THE INTENT OF CONNECTIONS ONLY. ALL CONNECTIONS ARE TO BE DESIGNED AND SEALED BY THE STEEL FABRICATOR.
2. LOCALLY, CENTERLINES OF BEAMS ARE SHOWN THUS . WORKING POINTS OF BRACING CONNECTIONS ARE SHOWN THUS .

1
S-200
1/2" = 1'-0"

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MARK	DATE	DESCRIPTION

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Sheet Title
STEEL ELEVATIONS

S-200

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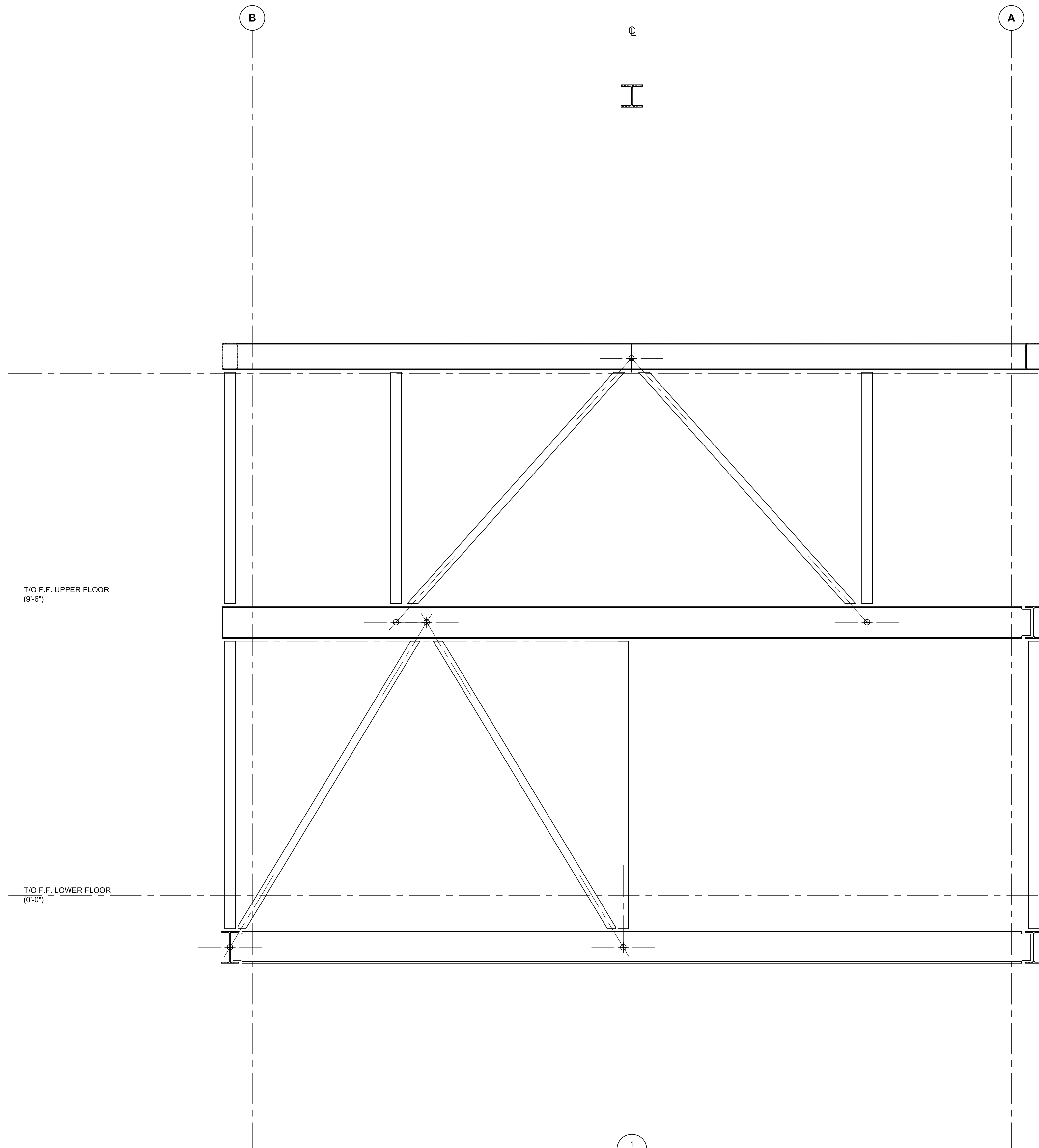
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File Name	CAD/BIM Program AUTOCAD
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Scale AS NOTED	Project # 160063

Sheet Title
STEEL
ELEVATIONS

S-201



1
S-201
1/2" = 1'-0"

STEEL ELEVATIONS
S-201

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MARK	DATE	DESCRIPTION

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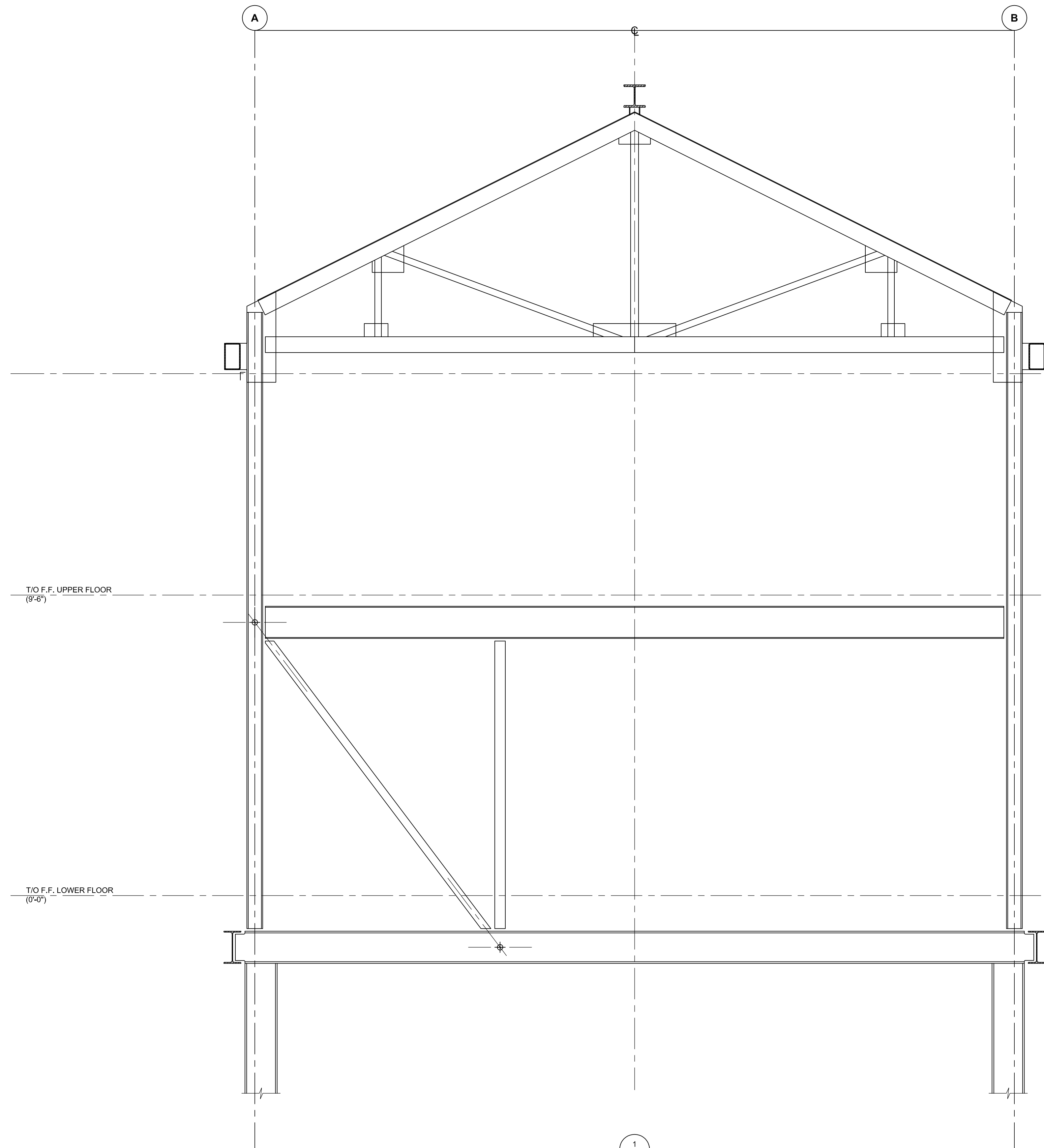
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File Name	CAD/BIM Program AUTOCAD
Drawn by AVB	Checked by N/A
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Sheet Title
STEEL
ELEVATIONS

S-202



1
S-202
1/2" = 1'-0"

STEEL ELEVATIONS
S-202

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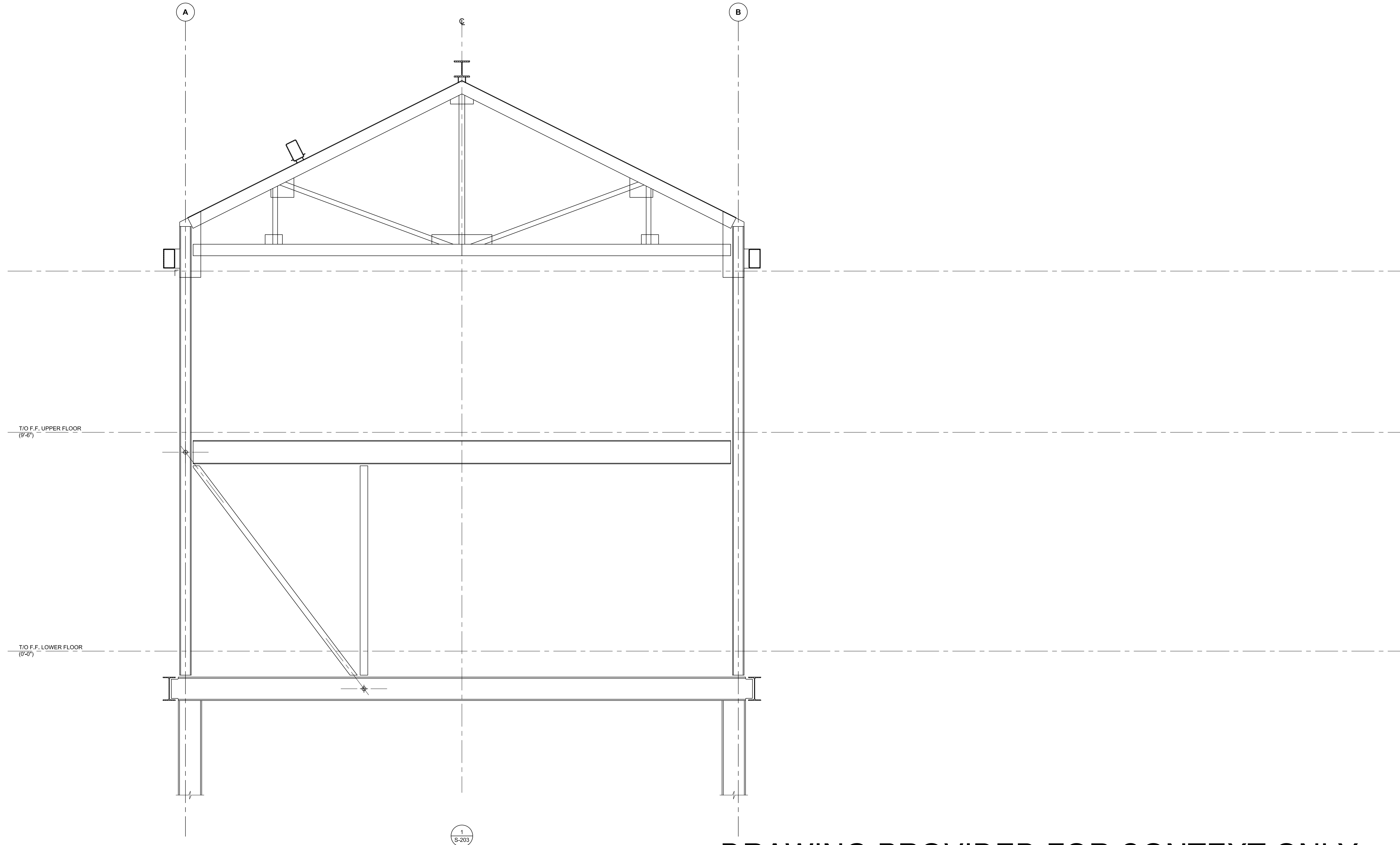
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Scale AS NOTED	Project # 160063

Sheet Title
STEEL
ELEVATIONS

S-203



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STEEL ELEVATIONS
S-203

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1
S-203
1/2" = 1'-0"

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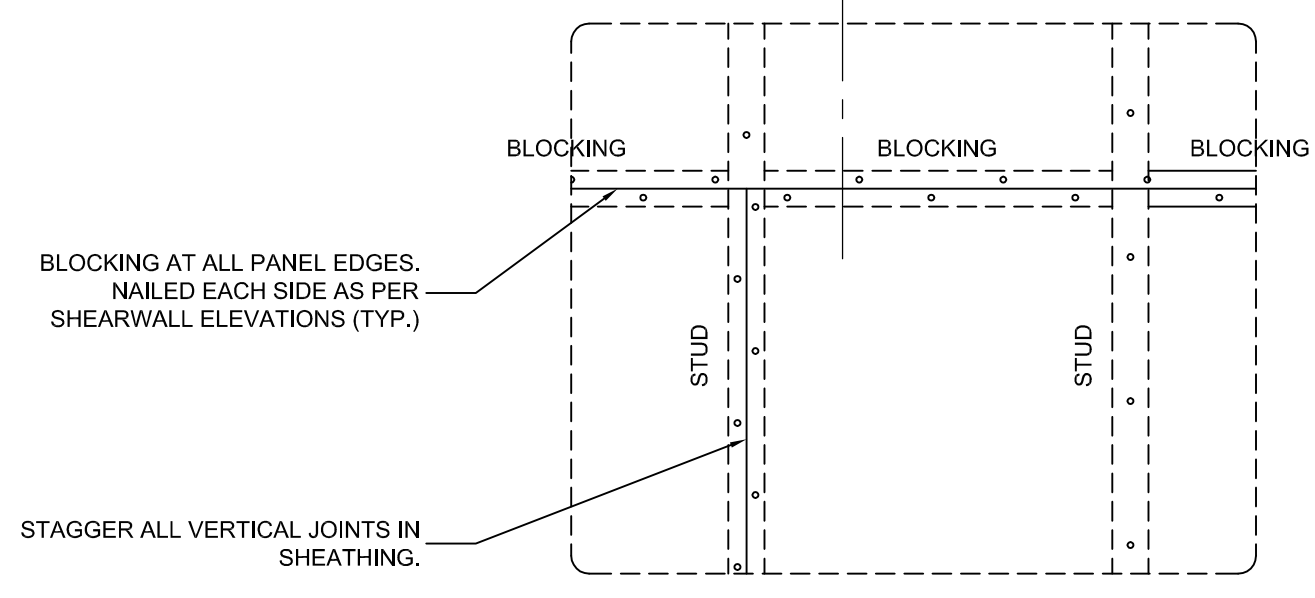
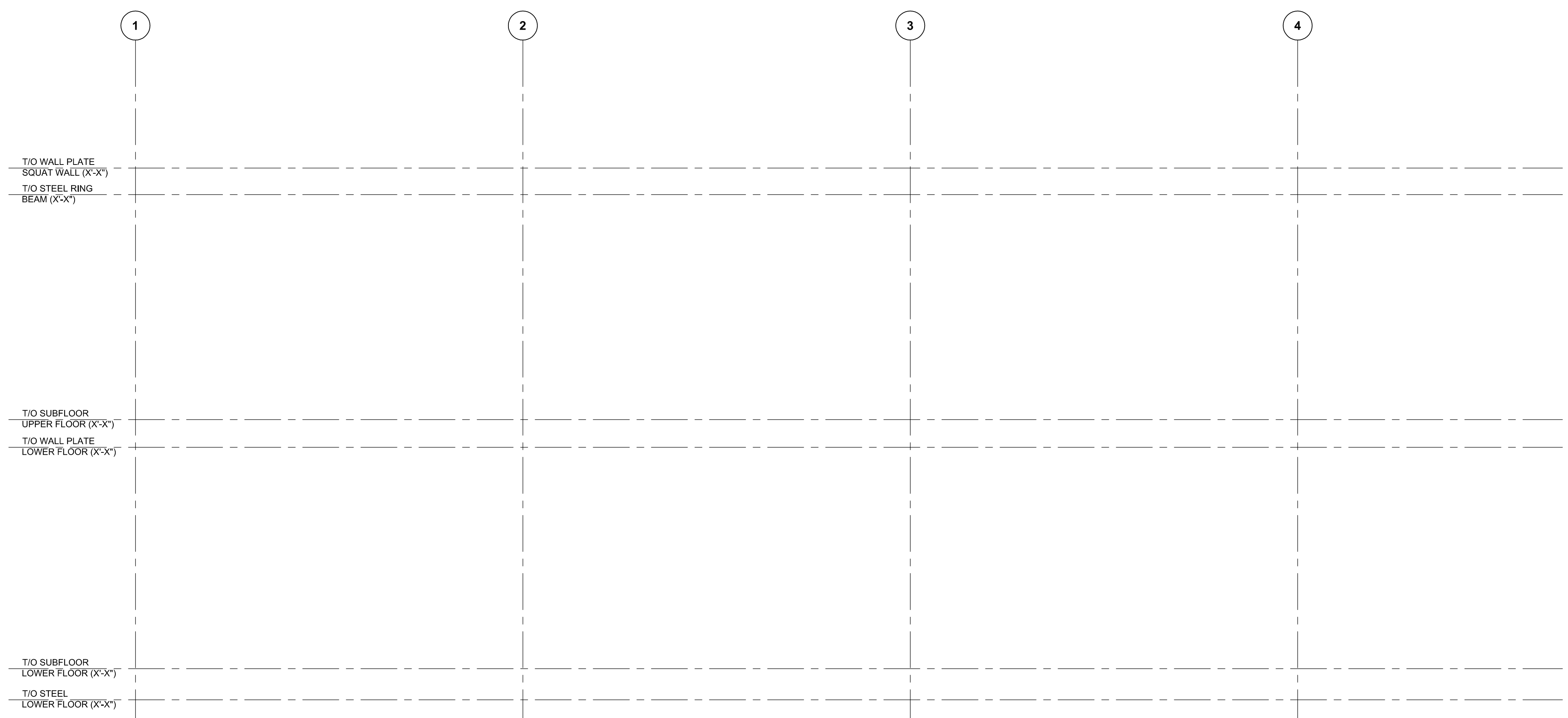
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Sheet Title
**SHEARWALL
ELEVATIONS**

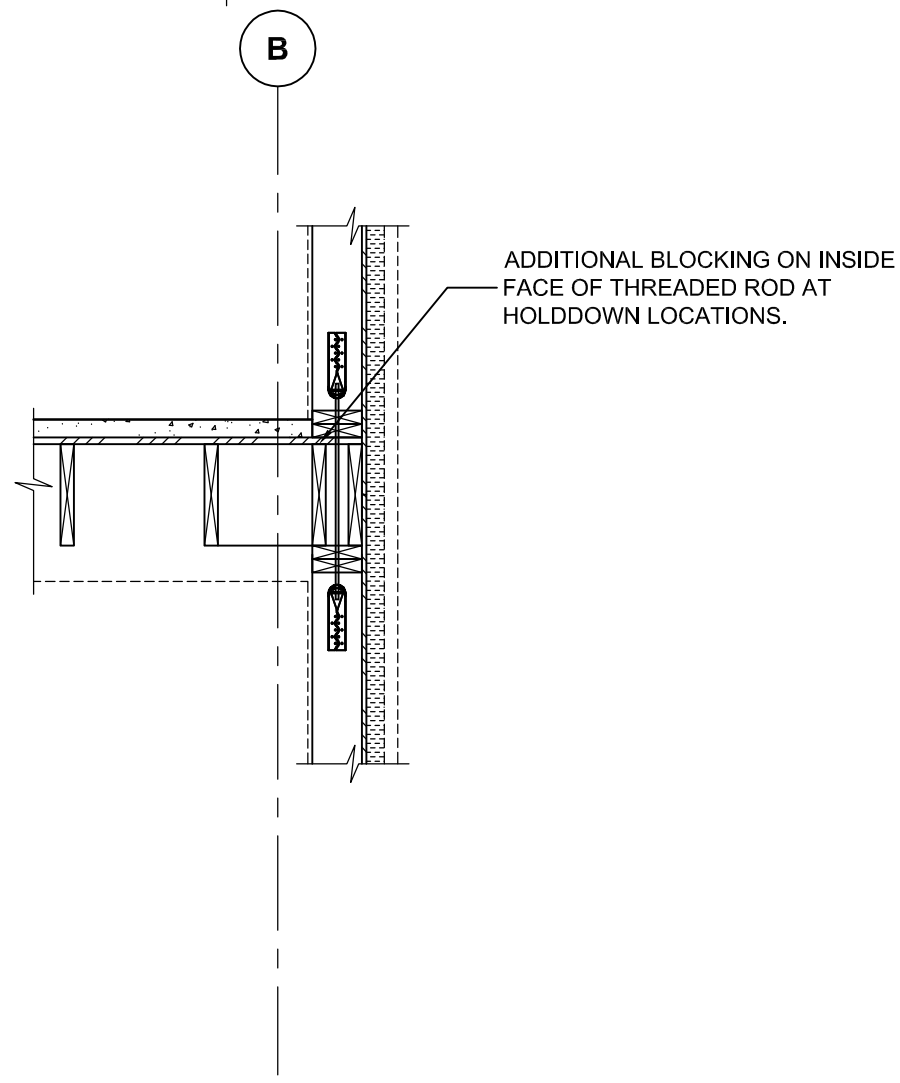
S-300



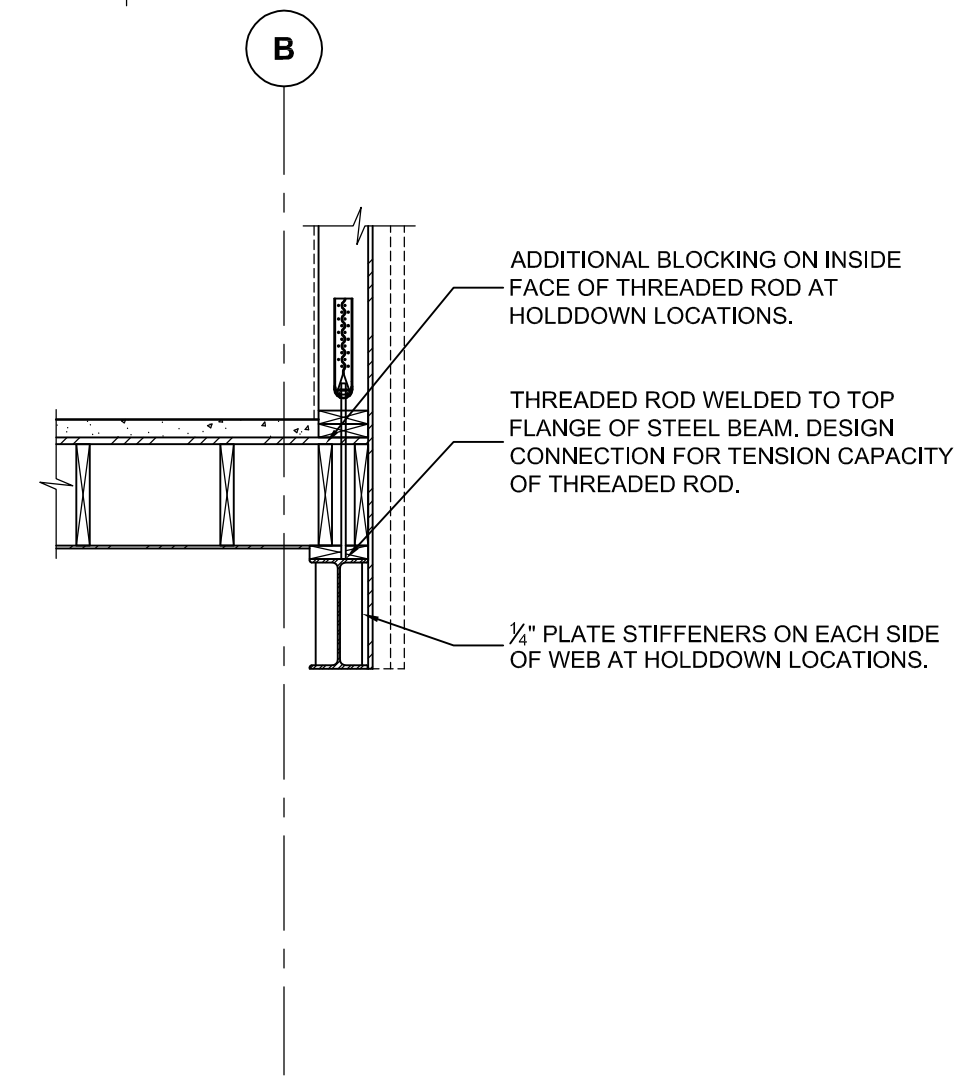
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S-301
GRIDLINE A - SHEARWALL ELEVATIONS
3/8" = 1'-0"

NOTES:

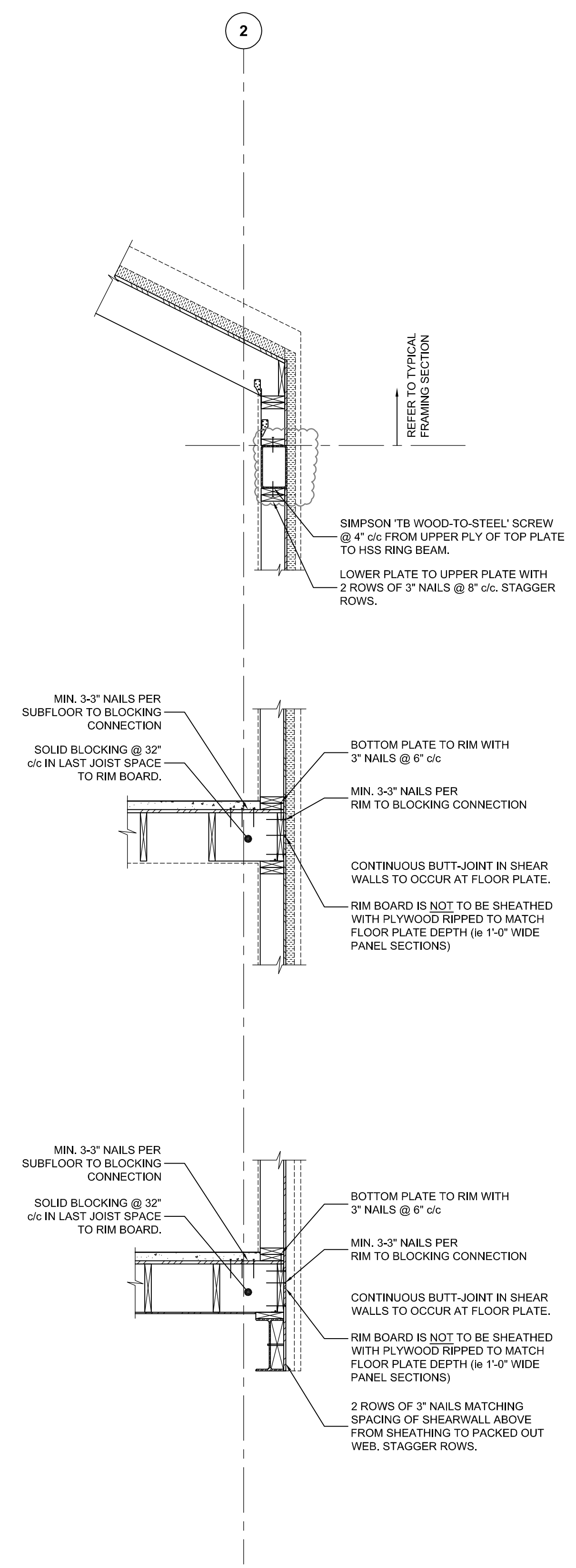
- INTERMEDIATE STUD FRAMING IS SHOWN SHADED. LOCATIONS OF STUDS MAY VARY ON SITE, BUT SHALL NOT EXCEED THE MAXIMUM SPECIFIED STUD SPACING.
- SOME FRAMING ELEMENTS HAVE BEEN REMOVED FOR CLARITY. READ SHEARWALL ELEVATIONS IN CONJUNCTION WITH ALL OTHER DRAWINGS.
- CONNECTION FRAMING OUTLINED ON SHEARWALL ELEVATIONS IS FOR SHEARWALL FRAMING ONLY. REFER TO TYPICAL BUILDING SECTIONS FOR ADDITIONAL INFORMATION.
- ALL FRAMING HARDWARE IS TO BE BY SIMPSON STRONG TIE.
- ALL HOLDDOWNS ARE TO BE CENTERED ON THE STUD FACE.



4
S-300
TYPICAL SHEARWALL CAT HOLDDOWNS - UPPER FLOOR
3/8" = 1'-0"



3
S-300
TYPICAL SHEARWALL AT HOLDDOWNS - LOWER FLOOR
3/8" = 1'-0"



2
S-300
TYPICAL SHEARWALL CONNECTIONS
3/8" = 1'-0"

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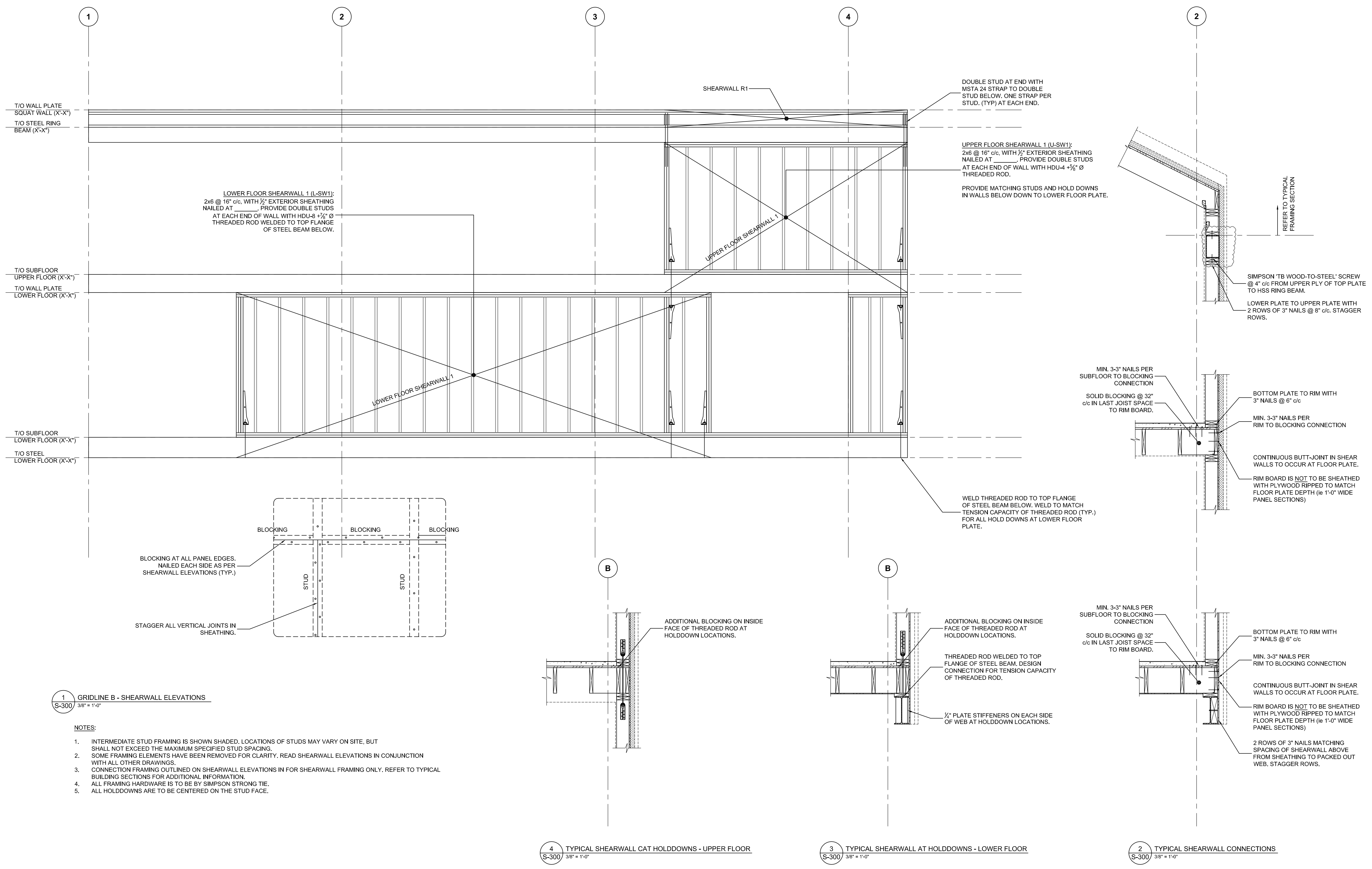
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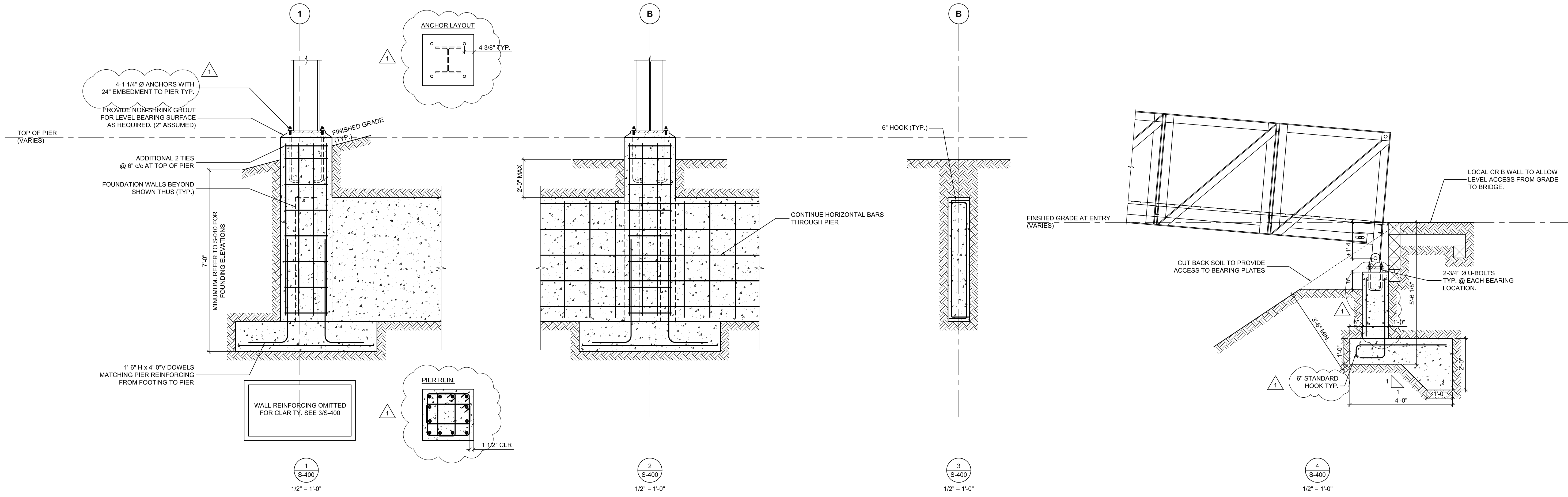
Sheet Title
SHEARWALL
ELEVATIONS

S-301



- NOTES:
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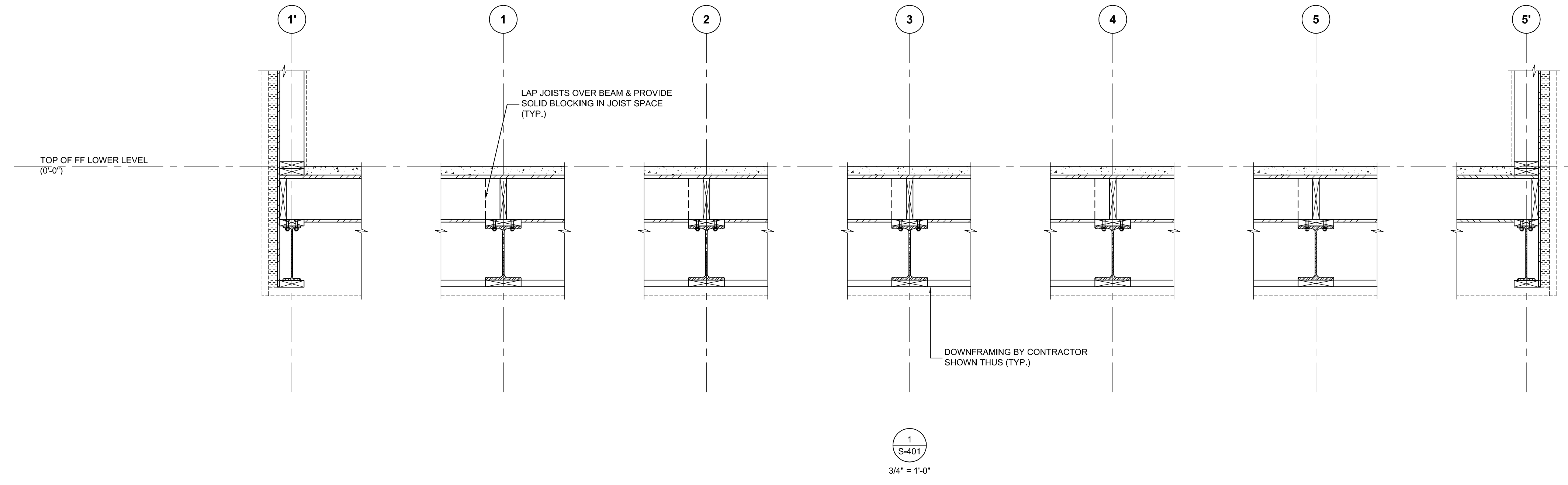
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FOUNDATION
SECTIONS

S-400

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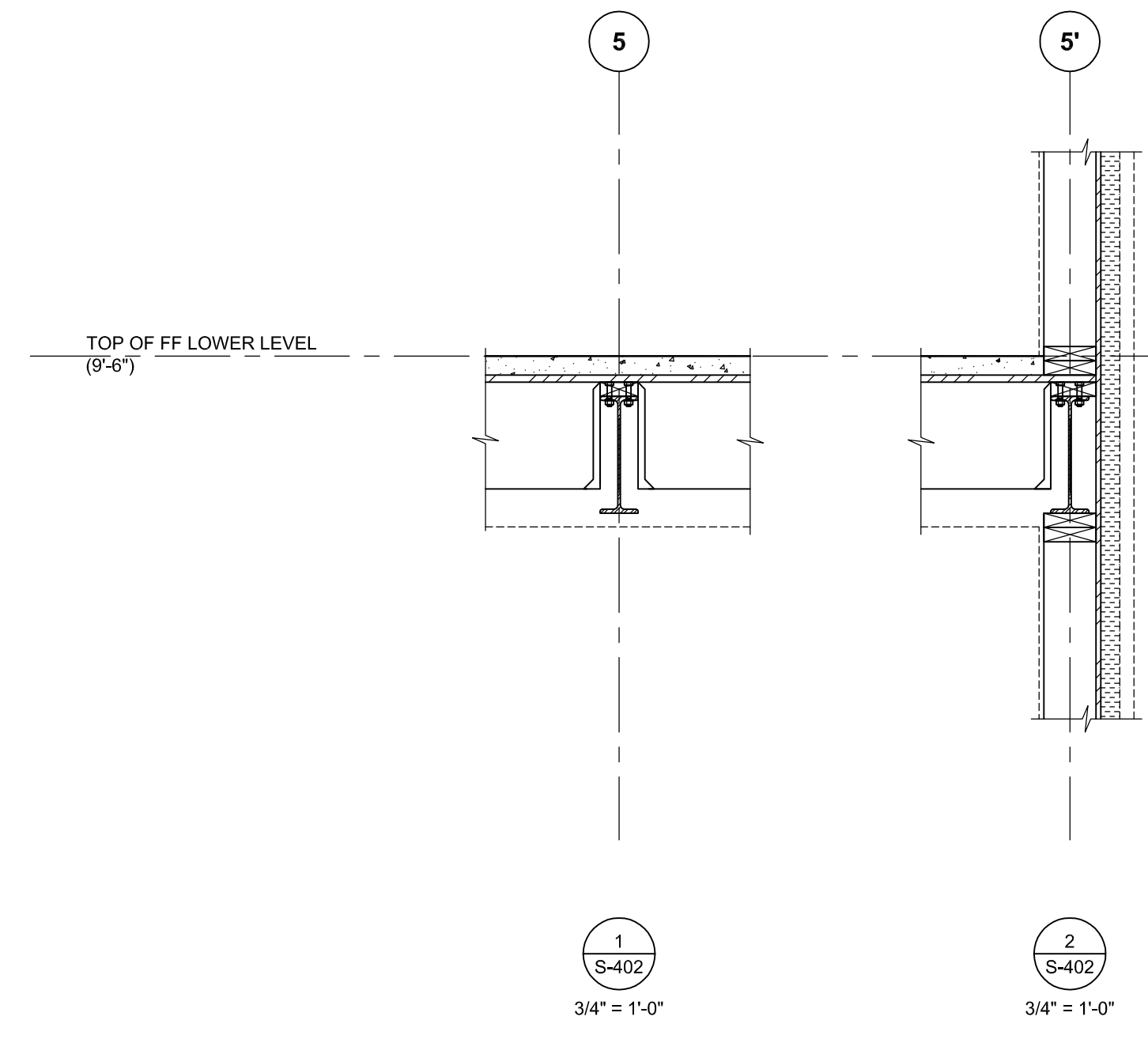
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Sheet Title
LOWER FLOOR
FRAMING
SECTIONS

S-401

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Scale AS NOTED	Project # 160063

Sheet Title
UPPER FLOOR
FRAMING
SECTIONS

S-402

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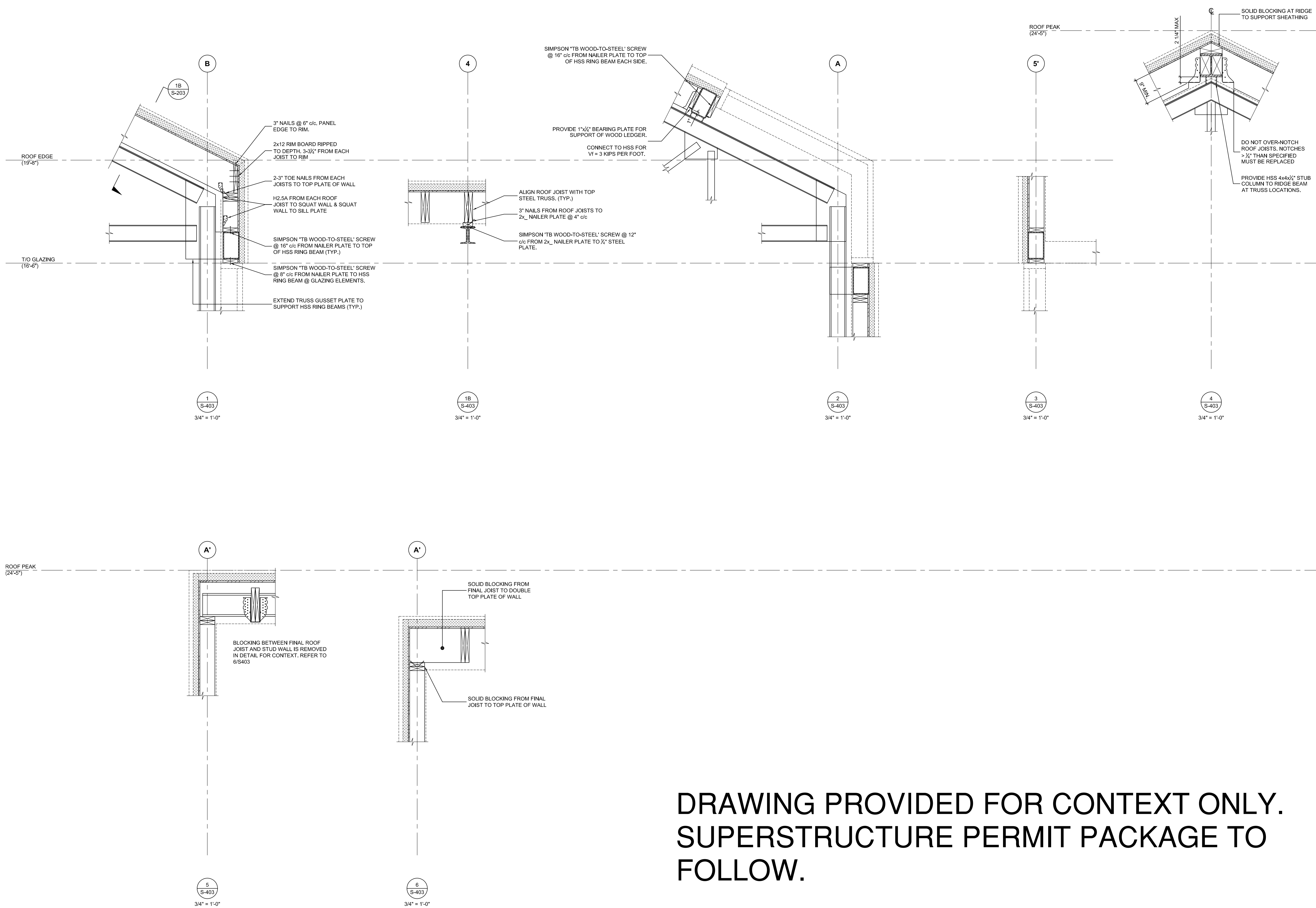
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Drawn by	Checked by N/A
Scale	Project # 160063

Sheet Title
ROOF FRAMING SECTIONS

S-403



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