October 14, 2016 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

ARCHITECTURA

General Notes, Key Notes and

A000

A001

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

Keyplan

C1.00

C1.01

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** Specifications (not incl.)

Abbreviations, Key Plan & S-002

Partition Types S-010

Site Plan S-100

Code Review, Fire Separation S-101

Plan & Finish Schedule S-102

A100 Site Plan S-100
A101 Code Review, Fire Separation S-101
Plan & Finish Schedule S-102
A200 Lower Level Plan S-103
A201 Main Level Plan S-104
A202 Lower and Main Level Reflected S-200
Ceiling Plan (not incl.) S-201
A300 Exterior Elevations S-202
A301 Exterior Elevations S-203

A301 **Exterior Elevations** A302 **Exterior Elevations** A400 **Building Sections Building Sections** A401 A500 Plan Details (not incl.) A510 Section Details (not incl.) A511 Section Details (not incl.) A520 Flashing and Membrane

A530 Hearth Details (not incl.)
A600 Millwork (not incl.)
A601 Millwork (not incl.)
A602 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.)

Window/Door Schedule (not incl.)



MECHANICAL (not incl.)

ELECTRICAL (not incl.)

Horizon Neighborhood Cabins 2500 SF Cabin

General Notes

Foundation Plan

Roof Framing Plan

Column Schedule

Steel Elevations

Steel Elevations

Steel Elevations

Steel Elevations

Shearwall Elevations

Shearwall Elevations

Foundation Sections

Roof Framing Sections

Lower Floor Framing Sections

Upper Floor Framing Sections

S-300

S-400

S-402

Site Plan

Typical Details Foundations

Lower Level Framing Plan

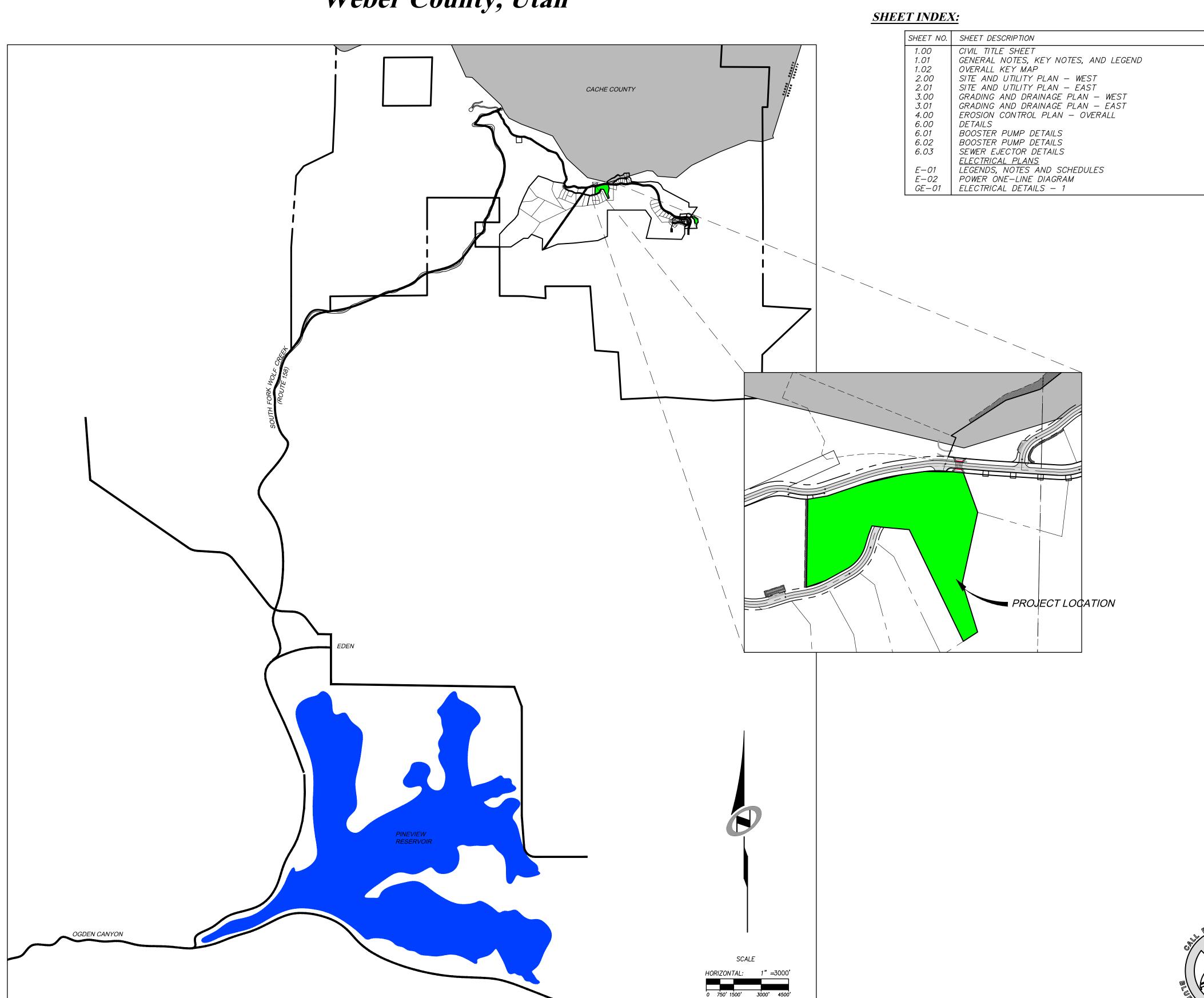
Upper Level Framing Plan

Summit Powder Mountain, Eden UT

HORIZON NEIGHBORHOOD PRUD AT SUMMIT POWDER MOUNTAIN

CONSTRUCTION DRAWINGS





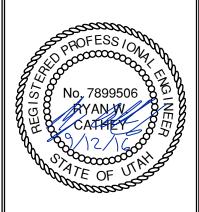
The engineer preparing these plans will not for, or liable for, unauthorized changes to the plans mill and must be approved by the preparer or

TED: 09-12-2016

ON NEIGHBORHOOD
CIVIL TITLE SHEET

AY, UT 84107

1217 SOUTH STATE STREET, S 101.743.1300 TEL 801.743.030(



SHEET NUMBER
1.00

SCALE

VERTICAL: 1"= N/A

HORIZONTAL: 1"= 3000'

CONTRACTOR TO STRICTLY FOLLOW GEOTECHNICAL RECOMMENDATIONS FOR THIS PROJECT. ALL GRADING INCLUDING BUT NOT LIMITED TO CUT, FILL, COMPACTION, ASPHALT SECTION, SUBBASE, TRENCH EXCAVATION/BACKFILL, SITE GRUBBING, RETAINING WALLS AND FOOTINGS MUST BE COORDINATED DIRECTLY WITH THE PROJECT GEOTECHNICAL ENGINEER.

TRAFFIC CONTROL, STRIPING & SIGNAGE TO CONFORM TO CURRENT UDOT TRANSPORTATION ENGINEER'S MANUAL AND MANUAL OF UNIFORM TRAFFIC CONTROL

DEVICES. 4. ANY AREA OUTSIDE THE LIMIT OF WORK THAT IS DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO COST TO OWNER.

5. CONSULT ALL OF THE DRAWINGS AND SPECIFICATIONS FOR COORDINATION REQUIREMENTS BEFORE COMMENCING CONSTRUCTION.

AT ALL LOCATIONS WHERE EXISTING PAVEMENT ABUTS NEW CONSTRUCTION, THE EDGE

OF THE EXISTING PAVEMENT SHALL BE SAWCUT TO A CLEAN, SMOOTH EDGE. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE MOST

RECENT, ADOPTED EDITION OF ADA ACCESSIBILITY GUIDELINES. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED THOROUGHLY REVIEWED PLANS AND OTHER DOCUMENTS APPROVED BY ALL

OF THE PERMITTING AUTHORITIES. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING AND NOTIFYING ENGINEER OR INSPECTING AUTHORITY 48 HOURS IN ADVANCE OF COVERING UP ANY PHASE OF CONSTRUCTION REQUIRING OBSERVATION.

10. ANY WORK IN THE PUBLIC RIGHT-OF-WAY WILL REQUIRE PERMITS FROM THE APPROPRIATE, CITY, COUNTY OR STATE AGENCY CONTROLLING THE ROAD, INCLUDING

OBTAINING REQUIRED INSPECTIONS. 11. ALL DIMENSIONS, GRADES & UTILITY DESIGNS SHOWN ON THE PLANS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN OR GRADE CHANGES.

12. CONTRACTOR MUST VERIFY ALL EXISTING CONDITIONS BEFORE BIDDING AND BRING UP ANY QUESTIONS BEFOREHAND. 13. SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH BY THE GEOTECHNICAL

14. CATCH SLOPES SHALL BE GRADED AS SPECIFIED ON GRADING PLANS.

15. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FLAGGING, CAUTION SIGNS. LIGHTS. BARRICADES, FLAGMEN, AND ALL OTHER DEVICES NECESSARY FOR PUBLIC SAFETY. 16. CONTRACTOR SHALL, AT THE TIME OF BIDDING AND THROUGHOUT THE PERIOD OF THE CONTRACT, BE LICENSED IN THE STATE OF UTAH AND SHALL BE BONDABLE FOR AN AMOUNT EQUAL TO OR GREATER THAN THE AMOUNT BID AND TO DO THE TYPE OF WORK CONTEMPLATED IN THE PLANS AND SPECIFICATIONS. CONTRACTOR SHALL BE SKILLED AND REGULARLY ENGAGED IN THE GENERAL CLASS AND TYPE OF WORK

CALLED FOR IN THE PLANS AND SPECIFICATIONS. 17. CONTRACTOR SHALL INSPECT THE SITE OF THE WORK PRIOR TO BIDDING TO SATISFY HIMSELF BY PERSONAL EXAMINATION OR BY SUCH OTHER MEANS AS HE MAY PREFER OF THE LOCATION OF THE PROPOSED WORK AND OF THE ACTUAL CONDITIONS OF AND AT THE SITE OF WORK. IF, DURING THE COURSE OF HIS EXAMINATION, A BIDDER FINDS FACTS OR CONDITIONS WHICH APPEAR TO HIM TO BE IN CONFLICT WITH THE LETTER OR SPIRIT OF THE PROJECT PLANS AND SPECIFICATIONS, HE SHALL CONTACT THE ENGINEER FOR ADDITIONAL INFORMATION AND EXPLANATION BEFORE SUBMITTING HIS BID. SUBMISSION OF A BID BY THE CONTRACTOR SHALL CONSTITUTE ACKNOWLEDGMENT THAT, IF AWARDED THE CONTRACT, HE HAS RELIED AND IS RELYING ON HIS OWN EXAMINATION OF (1) THE SITE OF THE WORK, (2) ACCESS TO THE SITE, AND (3) ALL OTHER DATA AND MATTERS REQUISITE TO THE FULFILLMENT OF THE WORK AND ON HIS OWN KNOWLEDGE OF EXISTING FACILITIES ON AND IN THE VICINITY OF THE SITE OF THE WORK TO BE CONSTRUCTED UNDER THIS CONTRACT. THE INFORMATION PROVIDED BY THE ENGINEER IS NOT INTENDED TO BE A SUBSTITUTE FOR. OR A SUPPLEMENT TO, THE INDEPENDENT VERIFICATION BY THE CONTRACTOR TO THE EXTENT SUCH INDEPENDENT INVESTIGATION OF SITE CONDITIONS IS DEFMED NECESSARY OR DESIRABLE BY THE CONTRACTOR. CONTRACTOR SHALL ACKNOWLEDGE THAT HE HAS NOT RELIED SOLELY UPON OWNER- OR

SUBMITTING HIS BID. 18. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL WATER. POWER. SANITARY FACILITIES AND TELEPHONE SERVICES AS REQUIRED FOR THE CONTRACTOR'S USE DURING CONSTRUCTION.

ENGINEER-FURNISHED INFORMATION REGARDING SITE CONDITIONS IN PREPARING AND

19. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE OWNER, ENGINEER, AND/OR GOVERNING AGENCIES.

20. CONTRACTOR SHALL EXERCISE DUE CAUTION AND SHALL CAREFULLY PRESERVE BENCH MARKS, CONTROL POINTS, REFERENCE POINTS AND ALL SURVEY STAKES, AND SHALL BEAR ALL EXPENSES FOR REPLACEMENT AND/OR ERRORS CAUSED BY THEIR UNNECESSARY LOSS OR DISTURBANCE.

21. CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOBSITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

22. CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY SCHEDULING INSPECTION AND TESTING OF ALL FACILITIES CONSTRUCTED UNDER THIS CONTRACT. ALL TESTING SHALL CONFORM TO THE REGULATORY AGENCY'S STANDARD SPECIFICATIONS. ALL TESTING AND INSPECTION SHALL BE PAID FOR BY THE OWNER; ALL RE—TESTING AND/OR RE-INSPECTION SHALL BE PAID FOR BY THE CONTRACTOR.

23. IF EXISTING IMPROVEMENTS NEED TO BE DISTURBED AND/OR REMOVED FOR THE PROPER PLACEMENT OF IMPROVEMENTS TO BE CONSTRUCTED BY THESE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING IMPROVEMENTS FROM DAMAGE. COST OF REPLACING OR REPAIRING EXISTING IMPROVEMENTS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEMS REQUIRING REMOVAL AND/OR REPLACEMENT. THERE WILL BE NO EXTRA COST DUE TO THE CONTRACTOR FOR REPLACING OR REPAIRING EXISTING IMPROVEMENTS.

24. WHENEVER EXISTING FACILITIES ARE REMOVED, DAMAGED, BROKEN, OR CUT IN THE INSTALLATION OF THE WORK COVERED BY THESE PLANS OR SPECIFICATIONS, SAID FACILITIES SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE WITH MATERIALS EQUAL TO OR BETTER THAN THE MATERIALS USED IN THE ORIGINAL EXISTING FACILITIES. THE FINISHED PRODUCT SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER, THE ENGINEER, AND THE RESPECTIVE REGULATORY AGENCY.

25. CONTRACTOR SHALL MAINTAIN A NEATLY MARKED SET OF FULL—SIZE AS—BUILT RECORD DRAWINGS SHOWING THE FINAL LOCATION AND LAYOUT OF ALL STRUCTURES AND OTHER FACILITIES. AS-BUILT RECORD DRAWINGS SHALL REFLECT CHANGE ORDERS, ACCOMMODATIONS, AND ADJUSTMENTS TO ALL IMPROVEMENTS CONSTRUCTED. WHERE NECESSARY. SUPPLEMENTAL DRAWINGS SHALL BE PREPARED AND SUBMITTED BY THE CONTRACTOR. PRIOR TO ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL DELIVER TO THE ENGINEER ONE SET OF NEATLY MARKED AS-BUILT RECORD DRAWINGS SHOWING THE INFORMATION REQUIRED ABOVE. AS-BUILT RECORD DRAWINGS SHALL BE REVIEWED AND THE COMPLETE AS—BUILT RECORD DRAWING SET SHALL BE CURRENT WITH ALL CHANGES AND DEVIATIONS REDLINED AS A PRECONDITION TO THE FINAL PROGRESS PAYMENT APPROVAL AND/OR FINAL ACCEPTANCE.

26. WHERE THE PLANS OR SPECIFICATIONS DESCRIBE PORTIONS OF THE WORK IN GENERAL TERMS BUT NOT IN COMPLETE DETAIL, IT IS UNDERSTOOD THAT ONLY THE BEST GENERAL PRACTICE IS TO PREVAIL AND THAT ONLY MATERIALS AND WORKMANSHIP OF THE FIRST QUALITY ARE TO BE USED.

GENERAL NOTES CONT.

27. CONTRACTOR SHALL BE SKILLED AND REGULARLY ENGAGED IN THE GENERAL CLASS AND TYPE OF WORK CALLED FOR IN THE PROJECT PLANS AND SPECIFICATIONS. THEREFORE, THE OWNER IS RELYING UPON THE EXPERIENCE AND EXPERTISE OF THE CONTRACTOR. PRICES PROVIDED WITHIN THE CONTRACT DOCUMENTS SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY AND PROPER FOR THE WORK CONTEMPLATED AND THAT THE WORK BE COMPLETED IN ACCORDANCE WITH THE TRUE INTENT AND PURPOSE OF THESE PLANS AND SPECIFICATIONS. THE CONTRACTOR SHALL BE COMPETENT, KNOWLEDGEABLE AND HAVE SPECIAL SKILLS IN THE NATURE, EXTENT AND INHERENT CONDITIONS OF THE WORK TO BE PERFORMED. CONTRACTOR SHALL ALSO ACKNOWLEDGE THAT THERE ARE CERTAIN PECULIAR AND INHERENT CONDITIONS EXISTENT IN THE CONSTRUCTION OF THE PARTICULAR FACILITIES WHICH MAY CREATE, DURING THE CONSTRUCTION PROGRAM, UNUSUAL OR UNSAFE CONDITIONS HAZARDOUS TO PERSONS, PROPERTY AND THE ENVIRONMENT. CONTRACTOR SHALL BE AWARE OF SUCH PECULIAR RISKS AND HAVE THE SKILL AND EXPERIENCE TO FORESEE AND TO ADOPT PROTECTIVE MEASURES TO ADEQUATELY AND SAFELY PERFORM THE CONSTRUCTION WORK WITH RESPECT TO SUCH HAZARDS.

28. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL STRIPING AND/OR PAVEMENT MARKINGS NECESSARY TO TIE EXISTING STRIPING INTO FUTURE STRIPING. METHOD OF REMOVAL SHALL BE BY GRINDING OR SANDBLASTING.

29. CONTRACTOR SHALL PROVIDE ALL SHORING, BRACING, SLOPING OR OTHER PROVISIONS NECESSARY TO PROTECT WORKMEN FOR ALL AREAS TO BE EXCAVATED TO A DEPTH OF 4' OR MORE. FOR EXCAVATIONS 4 FEET OR MORE IN DEPTH, THE CONTRACTOR SHALL COMPLY WITH INDUSTRIAL COMMISSION OF UTAH SAFETY ORDERS SECTION 68 - EXCAVATIONS, AND SECTION 69 -TRENCHES, ALONG WITH ANY LOCAL CODES OR ORDINANCES.

30. ALL EXISTING GATES AND FENCES TO REMAIN UNLESS OTHERWISE NOTED ON PLANS. PROTECT ALL GATES AND FENCES FROM DAMAGE.

UTILITY NOTES

1. CONTRACTOR SHALL COORDINATE LOCATION OF NEW "DRY UTILITIES" WITH THE APPROPRIATE UTILITY COMPANY, INCLUDING BUT NOT LIMITED TO: TELEPHONE SERVICE, GAS SERVICE, CABLE, POWER. INTERNET.

2. EXISTING UTILITIES HAVE BEEN SHOWN ON THE PLANS USING A COMBINATION OF ON-SITE SURVEYS (BY OTHERS). PRIOR TO COMMENCING ANY WORK, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE EACH UTILITY COMPANY LOCATE, IN THE FIELD, THEIR MAIN AND SERVICE LINES. THE CONTRACTOR SHALL NOTIFY BLUE STAKES AT 1-800-662-4111 48 HOURS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK. THE CONTRACTOR SHALL RECORD THE BLUE STAKES ORDER NUMBER AND FURNISH ORDER NUMBER TO OWNER AND ENGINEER PRIOR TO ANY EXCAVATION. IT WILL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO DIRECTLY CONTACT ANY OTHER UTILITY COMPANIES THAT ARE NOT MEMBERS OF BLUE STAKES. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO PROTECT ALL EXISTING UTILITIES SO THAT NO DAMAGE RESULTS TO THEM DURING THE PERFORMANCE OF THIS CONTRACT. ANY REPAIRS NECESSARY TO DAMAGED UTILITIES SHALL BE PAID FOR BY THE CONTRACTOR. THE CONTRACTOR SHALL BE REQUIRED TO COOPERATE WITH OTHER CONTRACTORS AND UTILITY COMPANIES

INSTALLING NEW STRUCTURES, UTILITIES AND SERVICE TO THE PROJECT. CONTRACTOR SHALL POT HOLE ALL UTILITIES TO DETERMINE IF CONFLICTS EXIST PRIOR TO BEGINNING ANY EXCAVATION. NOTIFY ENGINEER OF ANY CONFLICTS. CONTRACTOR SHALL VERIFY LOCATION AND INVERTS OF EXISTING UTILITIES TO WHICH NEW UTILITIES WILL BE CONNECTED. PRIOR TO COMMENCING ANY EXCAVATION WORK THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES IN

ACCORDANCE WITH THE REQUIRED PROCEDURES. CARE SHOULD BE TAKEN IN ALL EXCAVATIONS DUE TO POSSIBLE EXISTENCE OF UNRECORDED UTILITY LINES. EXCAVATION REQUIRED WITHIN PROXIMITY OF EXISTING UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINES OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATIONS AT HIS EXPENSE.

ALL VALVES AND MANHOLE COVERS SHALL BE RAISED OR LOWERED TO MEET

CONTRACTOR SHALL CUT PIPES OFF FLUSH WITH THE INSIDE WALL OF THE BOX

OR MANHOLE. CONTRACTOR SHALL GROUT AT CONNECTION OF PIPE TO BOX WITH NON-SHRINKING GROUT, INCLUDING PIPE VOIDS LEFT BY CUTTING PROCESS, TO A SMOOTH FINISH.

8. CONTRACTOR SHALL GROUT WITH NON-SHRINK GROUT BETWEEN GRADE RINGS AND BETWEEN BOTTOM OF INLET LID FRAME AND TOP OF CONCRETE BOX. 9. SILT AND DEBRIS IS TO BE CLEANED OUT OF ALL STORM DRAIN BOXES. CATCH

BASINS ARE TO BE MAINTAINED IN A CLEANED CONDITION AS NEEDED UNTIL AFTER THE FINAL BOND RELEASE INSPECTION.

10. CONTRACTOR SHALL CLEAN ASPHALT, TAR OR OTHER ADHESIVES OFF OF ALL MANHOLE LIDS AND INLET GRATES TO ALLOW ACCESS.

11. EACH TRENCH SHALL BE EXCAVATED SO THAT THE PIPE CAN BE LAID TO THE ALIGNMENT AND GRADE AS REQUIRED. THE TRENCH WALL SHALL BE SO BRACED THAT THE WORKMEN MAY WORK SAFELY AND EFFICIENTLY. ALL TRENCHES SHALL BE DRAINED SO THE PIPE LAYING MAY TAKE PLACE IN DEWATERED CONDITIONS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE COST OF DEWATERING AND NO COST CHANGE WILL BE PROVIDED.

12. CONTRACTOR SHALL PROVIDE AND MAINTAIN AT ALL TIMES AMPLE MEANS AND DEVICES WITH WHICH TO REMOVE PROMPTLY AND TO PROPERLY DISPOSE OF ALL WATER ENTERING THE TRENCH EXCAVATION.

13. MAINTAIN A MINIMUM 18" VERTICAL SEPARATION DISTANCE BETWEEN ALL UTILITY CROSSINGS.

14. CONTRACTOR SHALL START INSTALLATION AT LOW POINT OF ALL NEW GRAVITY UTILITY LINES.

15. ALL BOLTED FITTINGS MUST BE GREASED AND WRAPPED.

PIPE BELOW FINISHED GRADE.

THE TRENCH

16. UNLESS SPECIFICALLY NOTED OTHERWISE, MAINTAIN AT LEAST 2 FEET OF COVER OVER ALL STORM DRAIN LINES AT ALL TIMES (INCLUDING DURING CONSTRUCTION). 17. ALL WATER LINES SHALL BE INSTALLED A MINIMUM OF 60" OF COVER TO TOP OF

18. ALL SEWER LINES AND SEWER SERVICES SHALL HAVE A MINIMUM SEPARATION OF 10 FEET, PIPE EDGE TO PIPE EDGE, FROM THE WATER LINES.

19. CONTRACTOR SHALL INSTALL THRUST BLOCKING AT ALL WATERLINE ANGLE POINTS AND TEES.

20. ALL UNDERGROUND UTILITIES SHALL BE IN PLACE PRIOR TO INSTALLATION OF CURB. GUTTER, SIDEWALK AND STREET PAVING.

21. CONTRACTOR SHALL INSTALL MAGNETIC LOCATING TAPE CONTINUOUSLY OVER ALL NONMETALLIC PIPE. 22. THE CONTRACTOR SHALL NOTIFY NOLTE ASSOCIATES, INC. IN WRITING AT LEAST

48 HOURS PRIOR TO BACKFILLING OF ANY PIPE WHICH STUBS TO A FUTURE PHASE OF CONSTRUCTION FOR INVERT VERIFICATION. TOLERANCE SHALL BE IN ACCORDANCE WITH THE REGULATORY AGENCY STANDARD SPECIFICATIONS. 23. UNDER NO CIRCUMSTANCE SHALL THE PIPE OR ACCESSORIES BE DROPPED INTO

EROSION CONTROL GENERAL NOTES:

THE CONTRACTOR TO USE BEST MANAGEMENT PRACTICES FOR PROVIDING EROSION CONTROL FOR CONSTRUCTION OF THIS PROJECT. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO WEBER COUNTY ORDINANCES AND ALL WORK SHALL BE SUBJECT TO INSPECTION BY THE COUNTIES. ALSO, INSPECTORS WILL HAVE THE RIGHT TO CHANGE THE FACILITIES AS NEEDED.

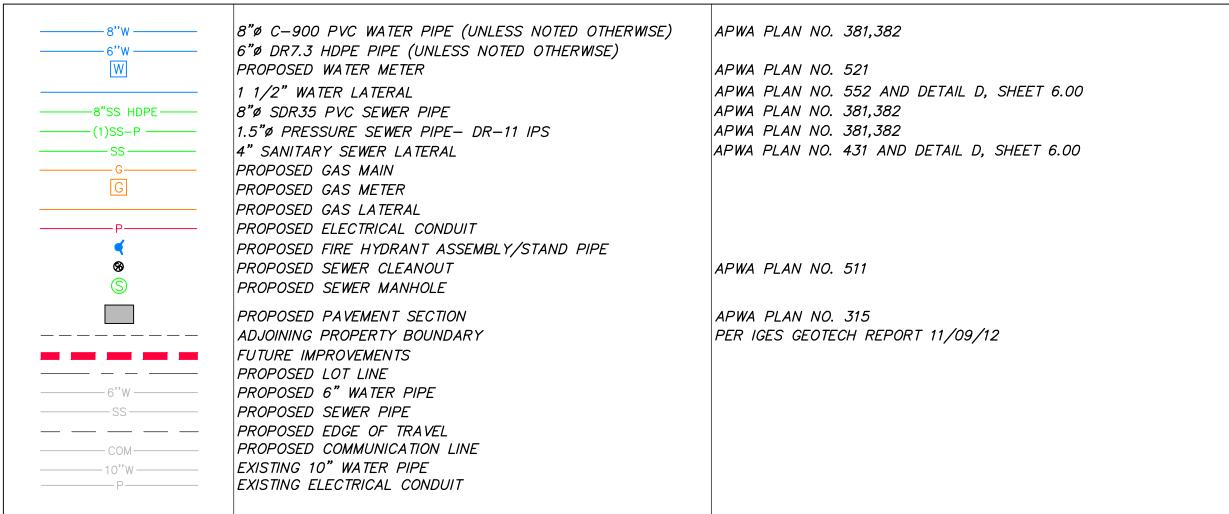
CONTRACTOR SHALL KEEP THE SITE WATERED TO CONTROL DUST. CONTRACTOR TO LOCATE A NEARBY HYDRANT FOR USE AND TO INSTALL TEMPORARY METER. CONSTRUCTION WATER COST TO BE INCLUDED IN BID.

WHEN GRADING OPERATIONS ARE COMPLETED AND THE DISTURBED GROUND IS LEFT "OPEN" FOR 14 DAYS OR MORE, THE AREA SHALL BE FURROWED PARALLEL TO THE CONTOURS.

THE CONTRACTOR SHALL MODIFY EROSION CONTROL MEASURES TO ACCOMMODATE PROJECT PLANNING.

LEGEND:

SYMBOL / LINETYPE DESCRIPTION DETAIL



NOTE: LEGEND MAY CONTAIN SYMBOLS THAT ARE NOT USED IN PLAN SET.

EROSION CONTROL GENERAL NOTES:

THE CONTRACTOR TO USE BEST MANAGEMENT PRACTICES FOR PROVIDING EROSION CONTROL FOR CONSTRUCTION OF THIS PROJECT. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO WEBER COUNTY ORDINANCES AND ALL WORK SHALL BE SUBJECT TO INSPECTION BY THE COUNTIES. ALSO, INSPECTORS WILL HAVE THE RIGHT TO CHANGE THE FACILITIES AS NEEDED.

CONTRACTOR SHALL KEEP THE SITE WATERED TO CONTROL DUST. CONTRACTOR TO LOCATE A NEARBY HYDRANT FOR USE AND TO INSTALL TEMPORARY METER. CONSTRUCTION WATER COST TO BE INCLUDED IN BID.

WHEN GRADING OPERATIONS ARE COMPLETED AND THE DISTURBED GROUND IS LEFT "OPEN" FOR 14 DAYS OR MORE, THE AREA SHALL BE FURROWED PARALLEL TO THE CONTOURS.

THE CONTRACTOR SHALL MODIFY EROSION CONTROL MEASURES TO ACCOMMODATE PROJECT PLANNING.

ALL ACCESS TO PROPERTY WILL BE FROM PUBLIC RIGHT-OF-WAYS.

THE CONTRACTOR IS REQUIRED BY STATE AND FEDERAL REGULATIONS TO PREPARE A STORM WATER POLLUTION PREVENTION PLAN AND FILE A "NOTICE OF INTENT" WITH THE UTAH DIVISION OF WATER QUALITY.

ALL BEST MANAGEMENT PRACTICES (BMP'S) SHOWN ON THIS PLAN MUST BE MAINTAINED AT ALL TIMES UNTIL VEGETATION IS RE-ESTABLISHED.

THE CONTRACTOR'S RESPONSIBILITY SHALL INCLUDE MAKING BI-WEEKLY CHECKS ON ALL FROSION CONTROL MEASURES TO DETERMINE IF REPAIR OR SEDIMENT REMOVAL IS NECESSARY. CHECKS SHALL BE DOCUMENTED AND COPIES OF THE INSPECTIONS KEPT ON SITE.

SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER FACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF BARRIER.

SEDIMENT TRACKED ONTO PAVED ROADS MUST BE CLEANED UP AS SOON AS PRACTICAL, BUT IN NO CASE LATER THAN THE END OF THE NORMAL WORK DAY. THE CLEAN UP WILL INCLUDE SWEEPING OF THE TRACKED MATERIAL, PICKING IT UP, AND DEPOSITING IT TO A CONTAINED AREA.

ANY EXPOSED SLOPE THAT WILL REMAIN UNTOUCHED FOR LONGER THAN 14 DAYS MUST BE STABILIZED BY ONE OR MORE OF THE FOLLOWING METHODS:

A) SPRAYING DISTURBED AREAS WITH A TACKIFIER VIA HYDROSEED

B) TRACKING STRAW PERPENDICULAR TO SLOPES C) INSTALLING A LIGHT-WEIGHT. TEMPORARY EROSION CONTROL BLANKET

* SEED MIXTURE FOR REVEGITATION

a. MEADOW BROME (RIGOR) 14lb/ac b. ORCHARD GRASS 10lb/ac 4lb/ac c. ALFALFA (ADAK)

WEBER COUNTY

2380 WASHINGTON BLVD. #240 OGDEN, UT 84401 (801) 399-8374

ROCKY MOUNTIAN POWER

1438 WEST 2550 SOUTH OGDEN, UT 84401 (801) 629-4429

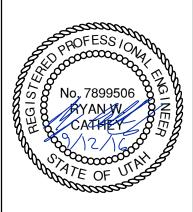
POWDER MOUNTAIN WATER & SEWER DISTRICT

PO BOX 270 EDEN, UT 84310 (801) 745-0912

T O 0 HB **5** Z

NOITUAC

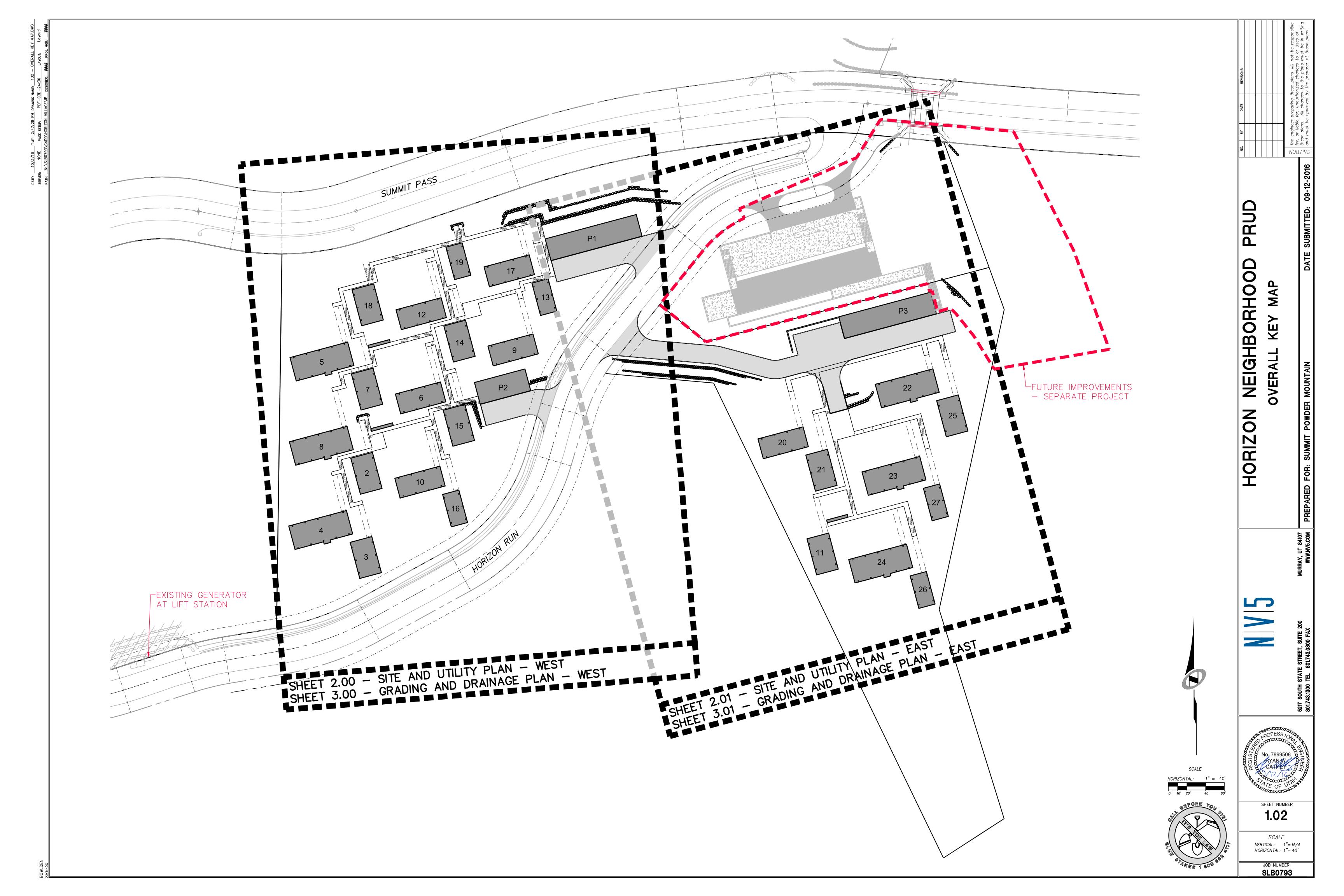
(5

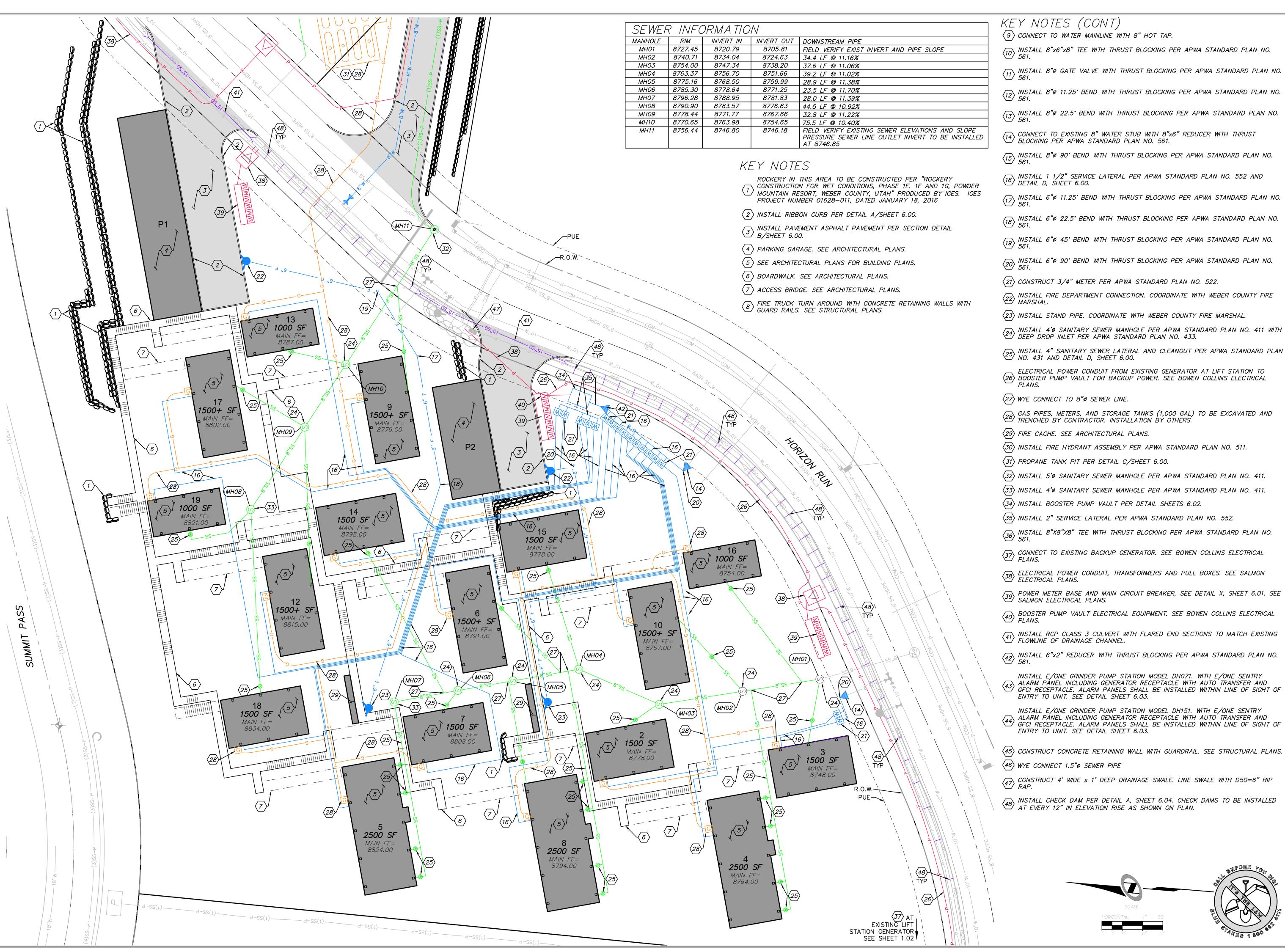


SHEET NUMBER

SCALE VERTICAL: 1"=N/AHORIZONTAL: 1"= N/A JOB NUMBER

SLB0793





10 INSTALL 8"x6"x8" TEE WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.

11) INSTALL 8"Ø GATE VALVE WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.

12 INSTALL 8"ø 11.25° BEND WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.

13 INSTALL 8"ø 22.5° BEND WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.

CONNECT TO EXISTING 8" WATER STUB WITH 8"x6" REDUCER WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.

(15) INSTALL 8"Ø 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.

18 INSTALL 6"ø 22.5° BEND WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.

19 INSTALL 6"Ø 45' BEND WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.

22) INSTALL FIRE DEPARTMENT CONNECTION. COORDINATE WITH WEBER COUNTY FIRE MARSHAL.

(23) INSTALL STAND PIPE. COORDINATE WITH WEBER COUNTY FIRE MARSHAL.

INSTALL 4'Ø SANITARY SEWER MANHOLE PER APWA STANDARD PLAN NO. 411 WITH DEEP DROP INLET PER APWA STANDARD PLAN NO. 433.

INSTALL 4" SANITARY SEWER LATERAL AND CLEANOUT PER APWA STANDARD PLAN NO. 431 AND DETAIL D, SHEET 6.00.

ELECTRICAL POWER CONDUIT FROM EXISTING GENERATOR AT LIFT STATION TO 26) BOOSTER PUMP VAULT FOR BACKUP POWER. SEE BOWEN COLLINS ELECTRICAL PLANS.

GAS PIPES, METERS, AND STORAGE TANKS (1,000 GAL) TO BE EXCAVATED AND TRENCHED BY CONTRACTOR. INSTALLATION BY OTHERS.

(30) INSTALL FIRE HYDRANT ASSEMBLY PER APWA STANDARD PLAN NO. 511.

31) PROPANE TANK PIT PER DETAIL C/SHEET 6.00.

(32) INSTALL 5'Ø SANITARY SEWER MANHOLE PER APWA STANDARD PLAN NO. 411.

33 INSTALL 4'Ø SANITARY SEWER MANHOLE PER APWA STANDARD PLAN NO. 411.

(34) INSTALL BOOSTER PUMP VAULT PER DETAIL SHEETS 6.02.

(35) INSTALL 2" SERVICE LATERAL PER APWA STANDARD PLAN NO. 552.

(36) INSTALL 8"X8"X8" TEE WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.

CONNECT TO EXISTING BACKUP GENERATOR. SEE BOWEN COLLINS ELECTRICAL PLANS.

38 ELECTRICAL POWER CONDUIT, TRANSFORMERS AND PULL BOXES. SEE SALMON ELECTRICAL PLANS.

POWER METER BASE AND MAIN CIRCUIT BREAKER, SEE DETAIL X, SHEET 6.01. SEE SALMON ELECTRICAL PLANS.

BOOSTER PUMP VAULT ELECTRICAL EQUIPMENT. SEE BOWEN COLLINS ELECTRICAL PLANS.

(42) INSTALL 6"x2" REDUCER WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.

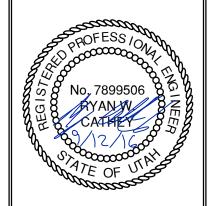
INSTALL E/ONE GRINDER PUMP STATION MODEL DH071. WITH E/ONE SENTRY ALARM PANEL INCLUDING GENERATOR RECEPTACLE WITH AUTO TRANSFER AND GFCI RECEPTACLE. ALARM PANELS SHALL BE INSTALLED WITHIN LINE OF SIGHT OF ENTRY TO UNIT. SEE DETAIL SHEET 6.03.

INSTALL E/ONE GRINDER PUMP STATION MODEL DH151. WITH E/ONE SENTRY ALARM PANEL INCLUDING GENERATOR RECEPTACLE WITH AUTO TRANSFER AND GFCI RECEPTACLE. ALARM PANELS SHALL BE INSTALLED WIITHIN LINE OF SIGHT OF

(45) CONSTRUCT CONCRETE RETAINING WALL WITH GUARDRAIL. SEE STRUCTURAL PLANS.

CONSTRUCT 4' WIDE \times 1' DEEP DRAINAGE SWALE. LINE SWALE WITH D50=6" RIP RAP.

(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.

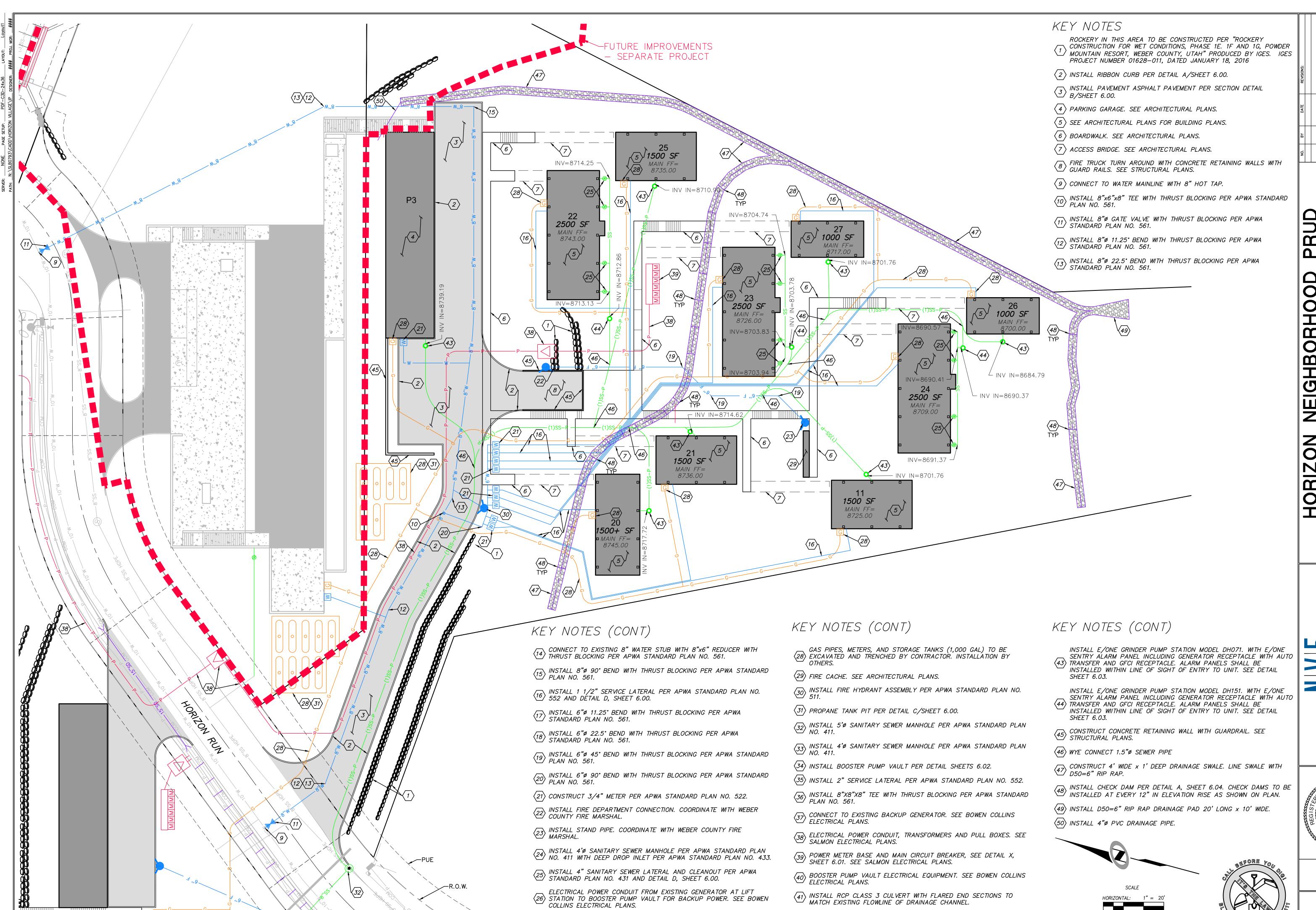


NOITUAC

2.00

SCALE VERTICAL: 1"=N/AHORIZONTAL: 1"= 20'

JOB NUMBER **SLB0793**



 $\langle 27 \rangle$ WYE CONNECT TO 8"Ø SEWER LINE.

(42) INSTALL 6"x2" REDUCER WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.

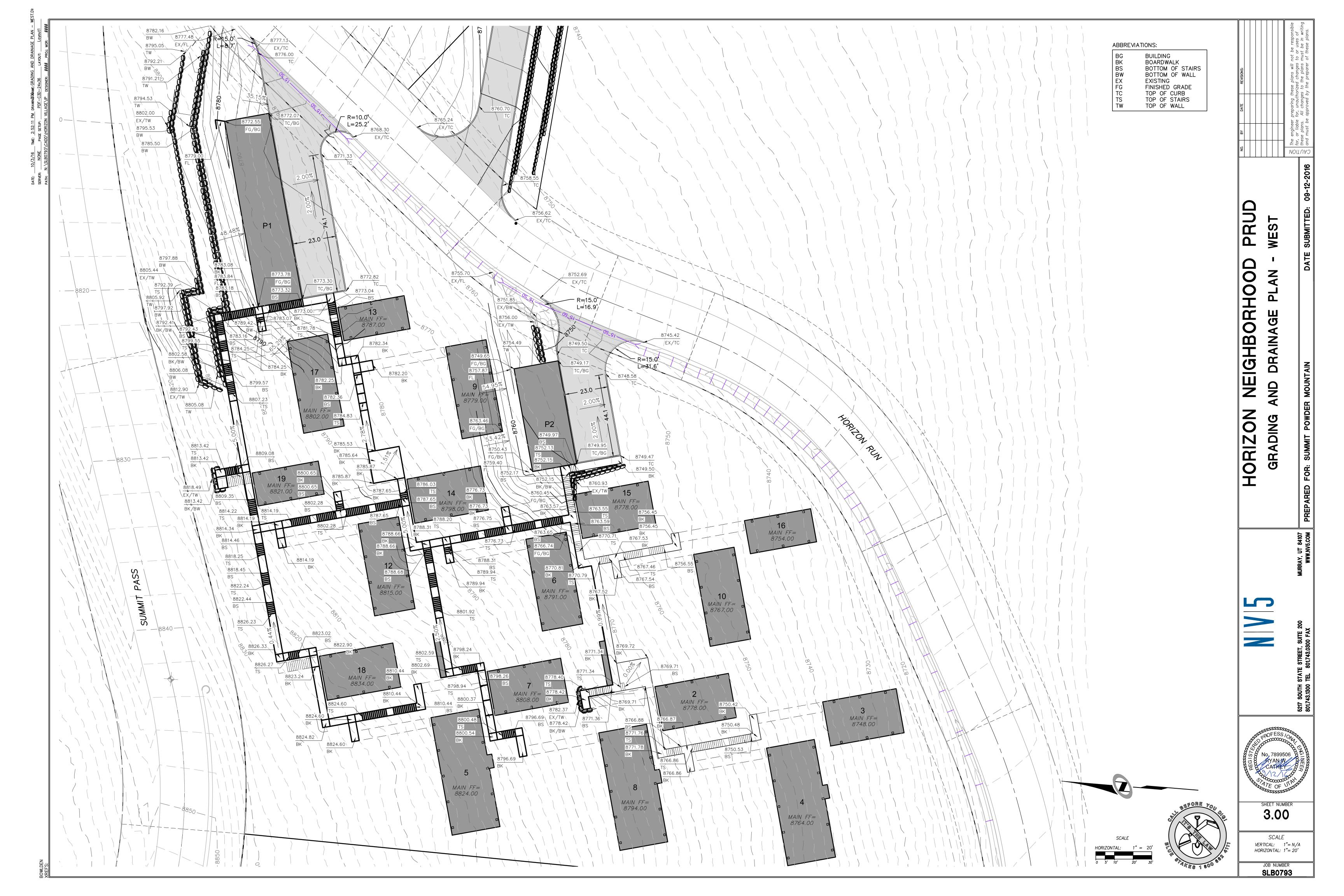
NEIGHB

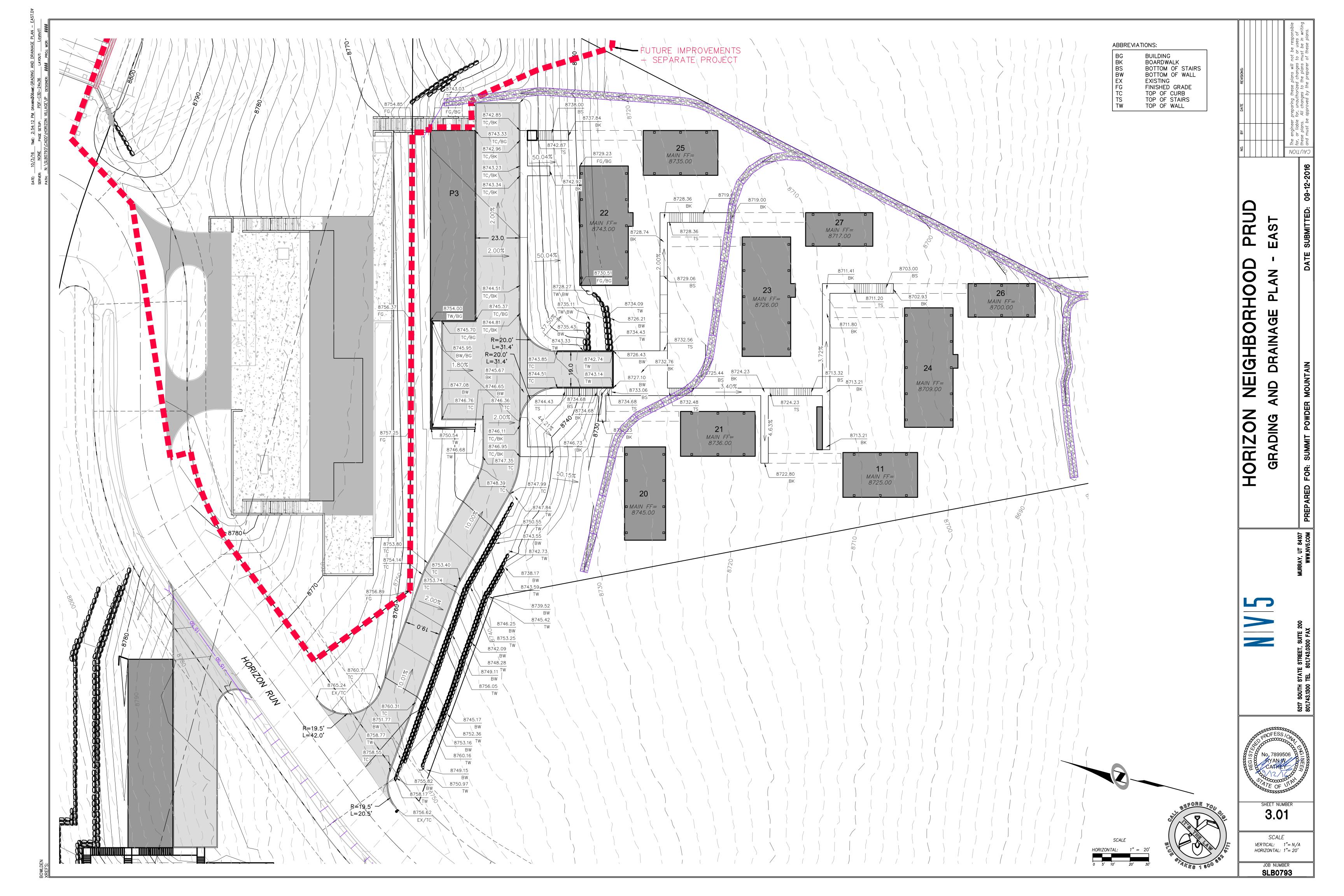
NOITUAC

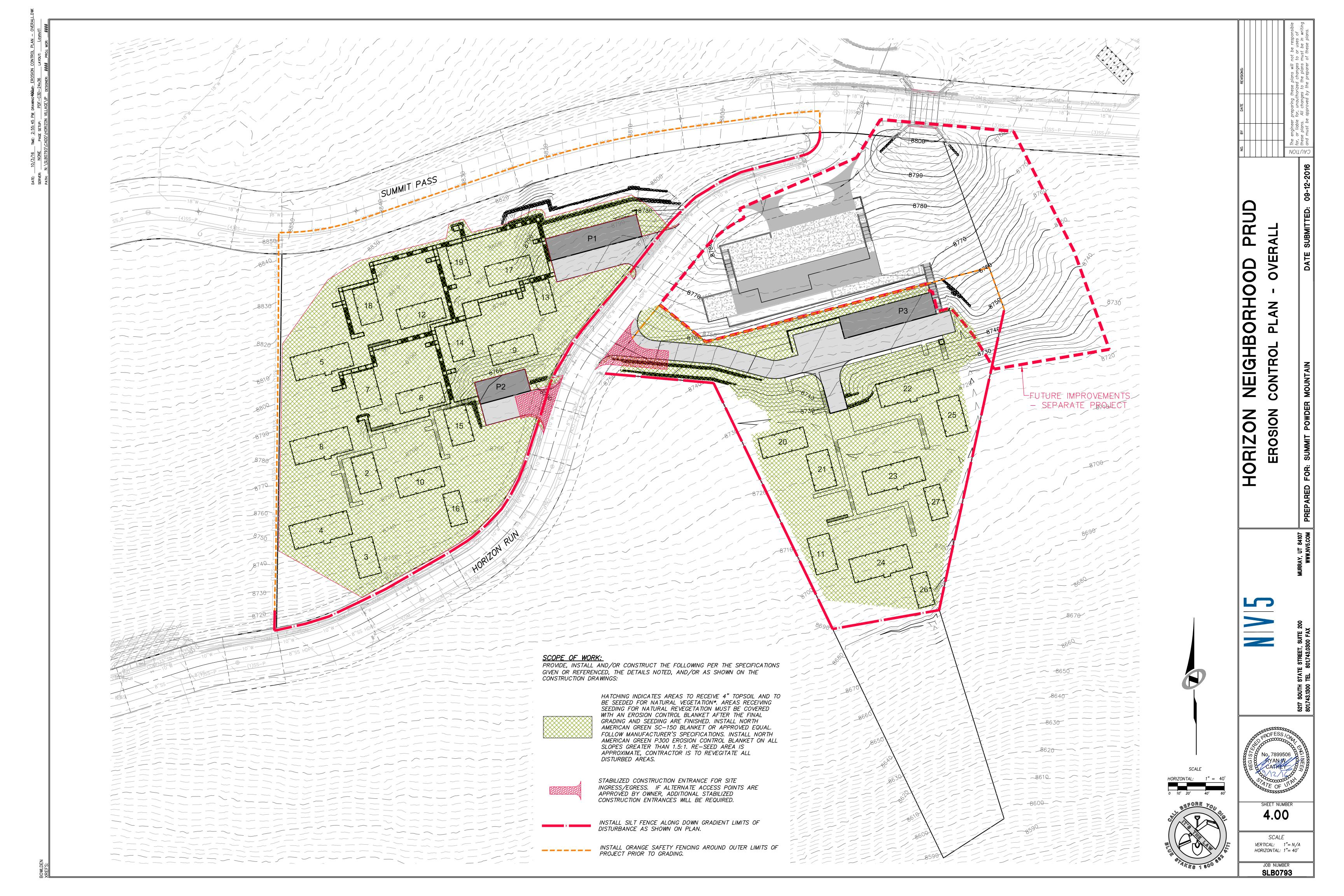
2.01

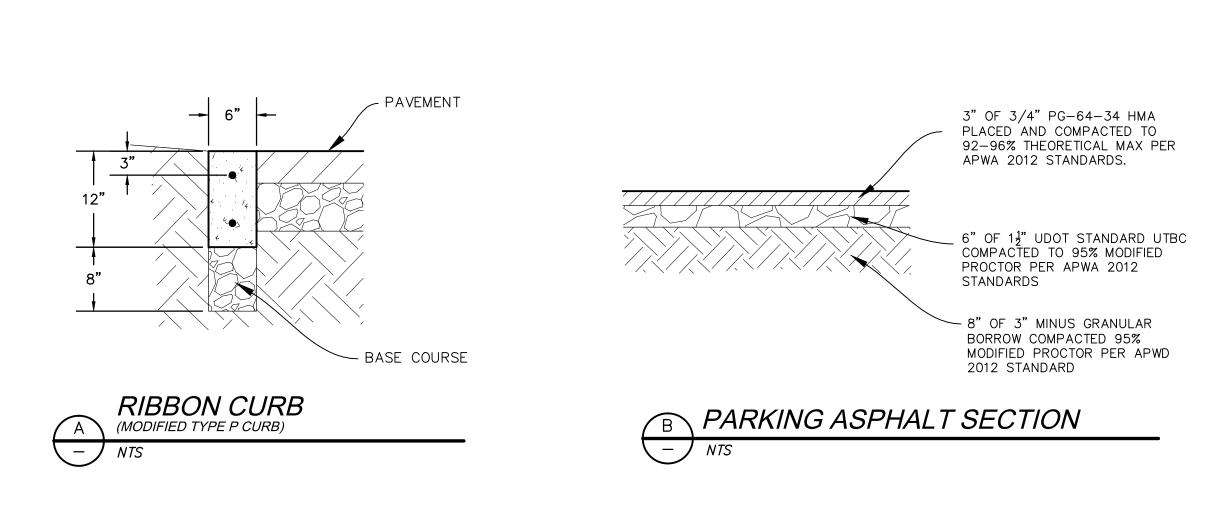
SCALE VERTICAL: 1"=N/AHORIZONTAL: 1"= 20'

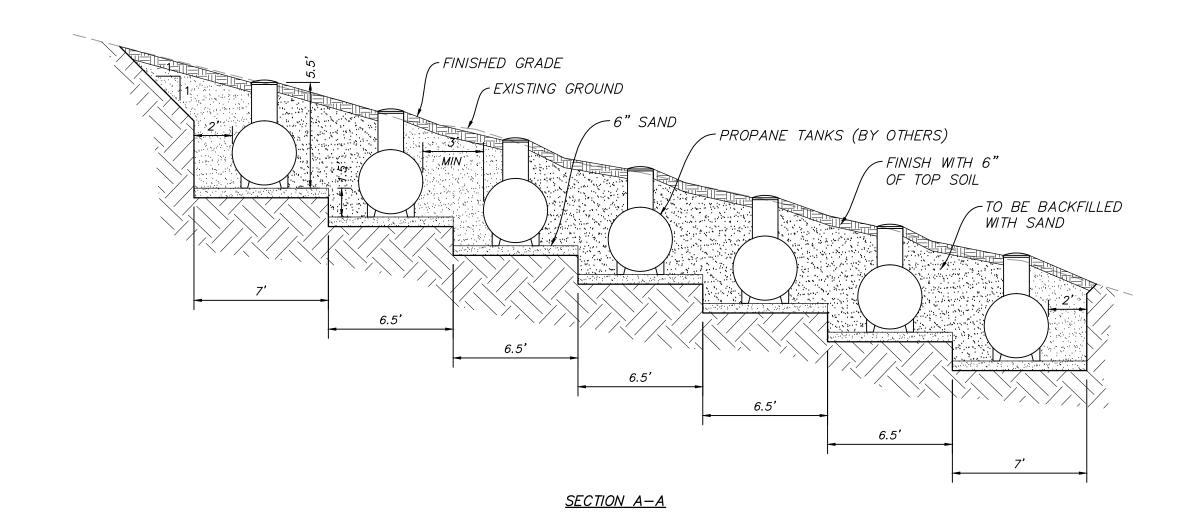
> JOB NUMBER **SLB0793**



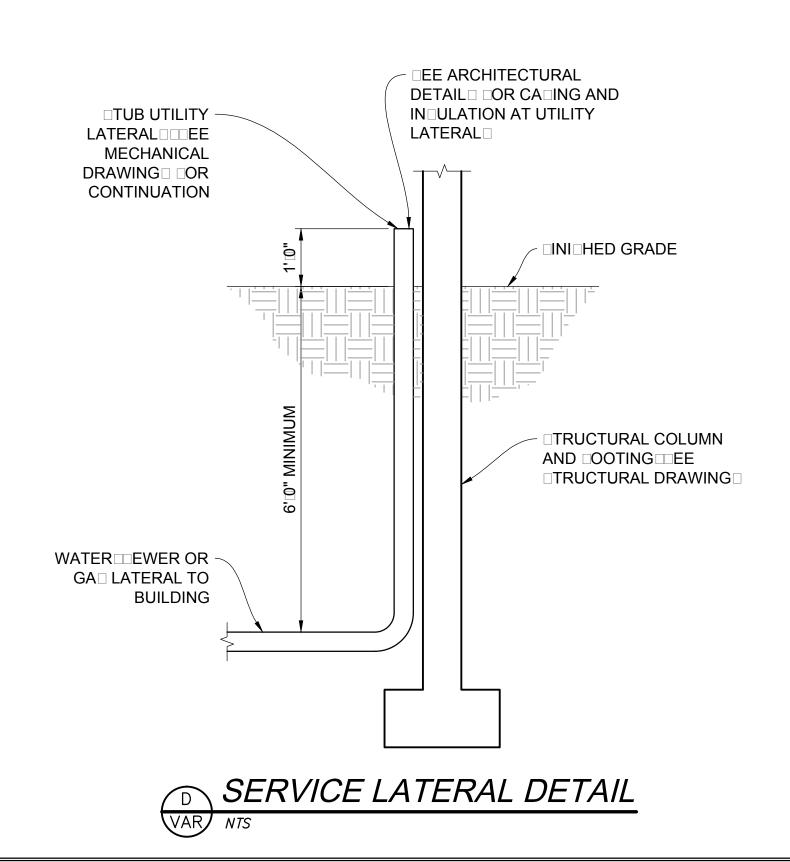


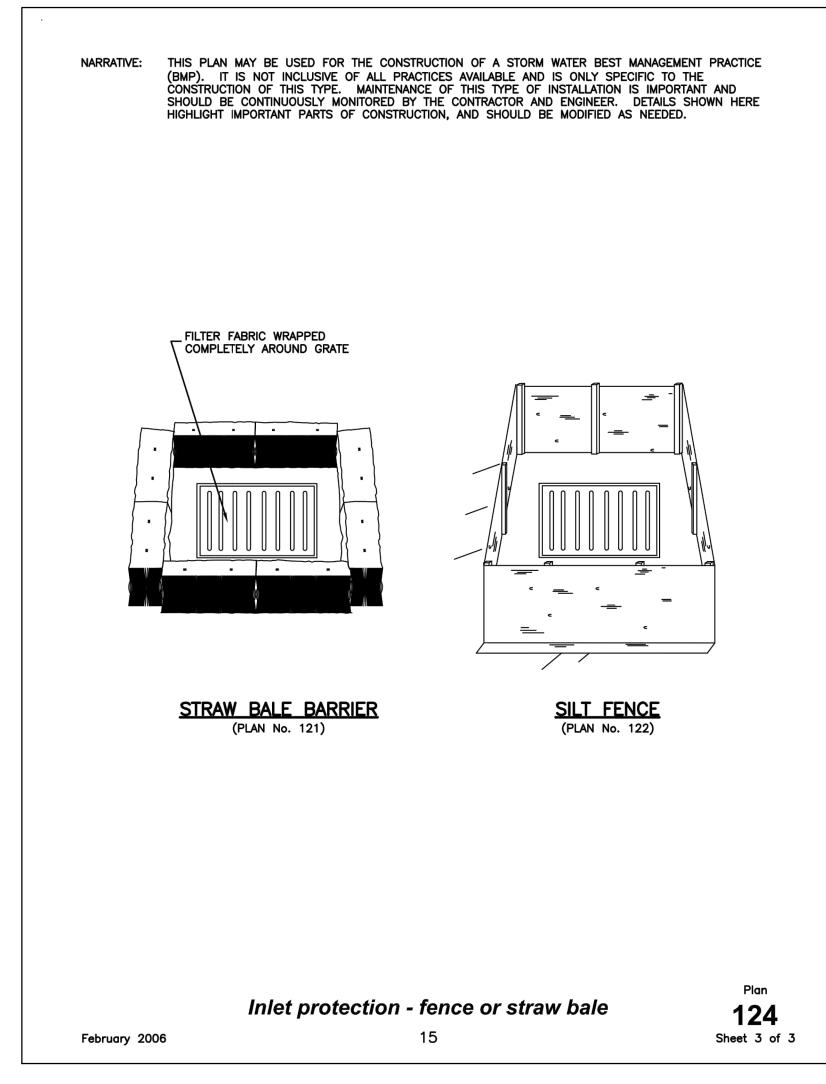


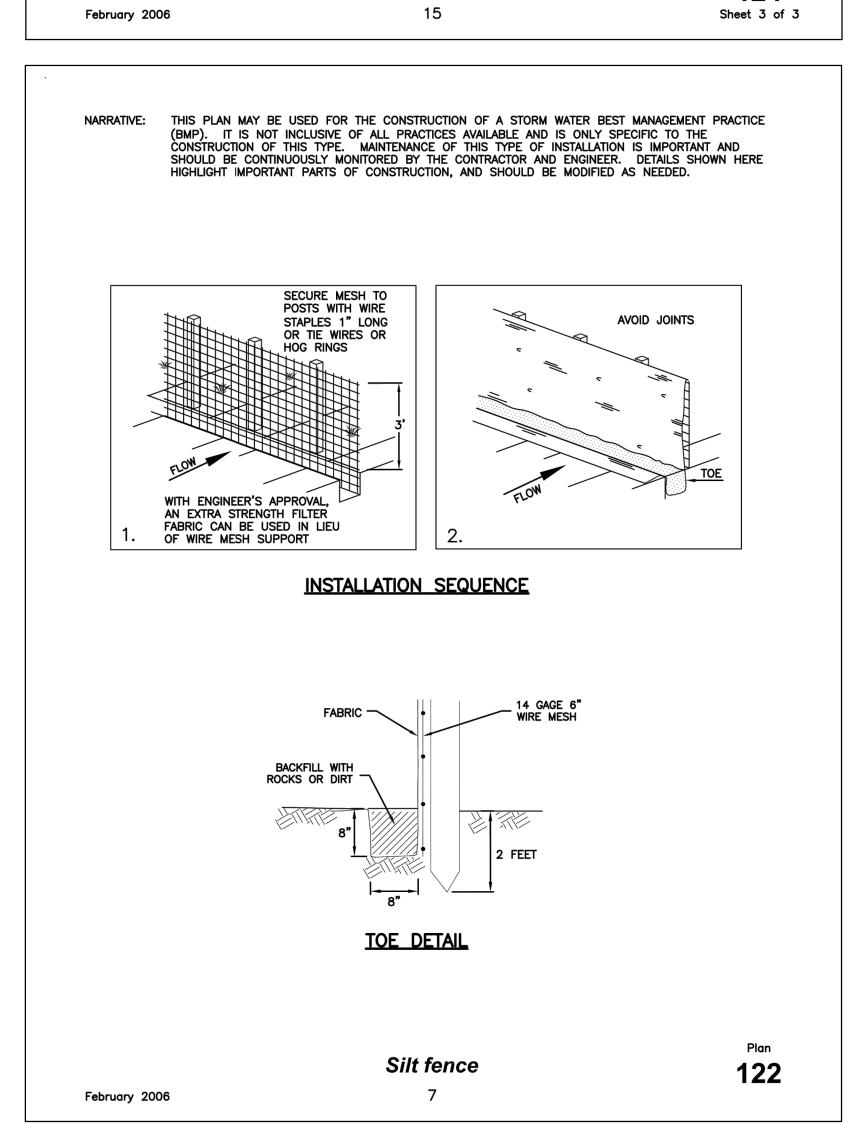


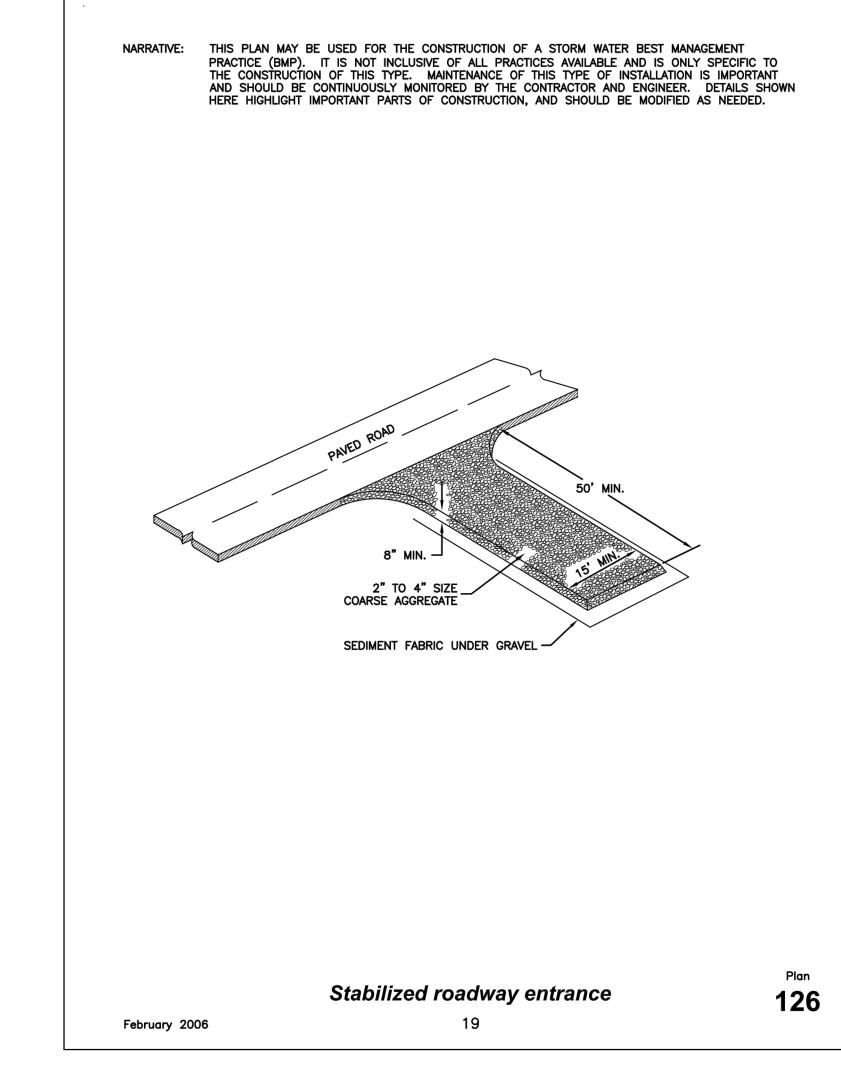


C PROPANE TANK PIT



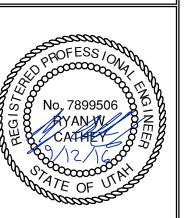








5217 SOUTH STATE STREET, SU 801.743.1300 TEL 801.743.0300



SHEET NUMBER
6.00

SCALE

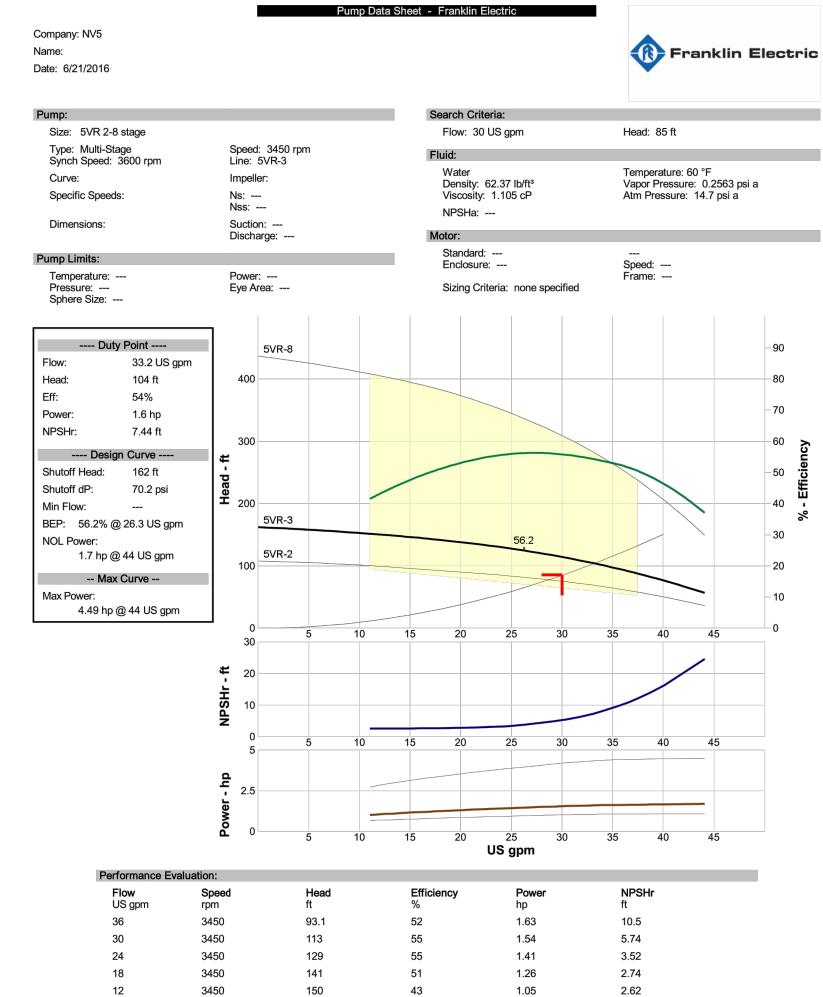
VERTICAL: 1"= N/A

HORIZONTAL: 1"= N/A

JOB NUMBER

SLB0793

OWLDEN REFS:



Selected from catalog: FECentrifugal.60 Vers: 1.3

136875

135460

136876

132662

132663

133517

FLINT & WALLING Zoeller Family of Water Solutions™

0616 AIR-E-TAINER® **WELL SYSTEM TANKS**

•	Inline 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

MUULO

SCALE: 1:14

DO NOT SCALE DRAWING

SHEET 2 OF 2

- Powder-coated exterior and interior
- Butyl rubber parabolic diaphragm
- 5 year Limited Warranty



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

art No.	Total Tank Vol. Gallons	by PSI Settings***			Approx. Size In. Dia x Ht	Ship Wt Lbs	NPT Size/	Precharge	Max Working Pressure (PSI)	Max Working Temp	
	voi. Gallons	20/40	30/50	40/60	Dia X III	LDS	IVIIL	PSIG	Fressure (FSI)	Temp	
131009	2	0.7	0.6		8-1/4 x 10-1/5	5	3/4" M	28	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	1-1/4" F	38	100	200	
136875	65	23.9	20	17.5	23-3/8 x 46-3/5	87	1-1/4" F	38	100	200	
135460	86	31.8	26.7	23.2	23-3/8 x 59	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	

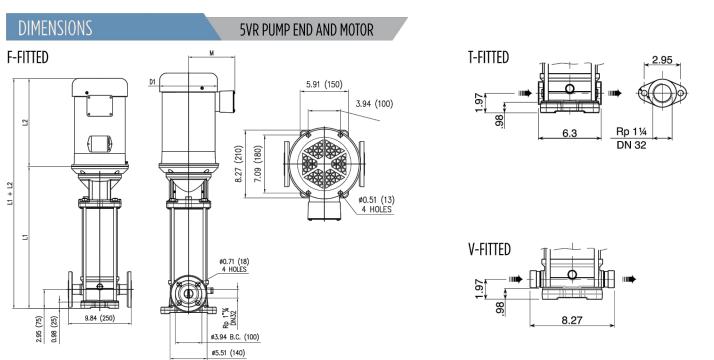
***In keeping with current industry standards, drawdown factors are based on Boyle's law. Actual drawdowns will vary depending upon system variables, including the accuracy and operation of the pressure switch and gauage and operating temperature of the system. Caution: install a pressure relief valve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

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

MULTI-STAGE PUMPS VERTICAL VR SERIES







Pump End Dimensions (in)					mp End	Dimens	ions (in)	F-Fitted*: Round flanges on body type PN25—pump is sup
НР	L1 'F"	Model No.		Stages	HP	L1 'F"	Model No.	joints, bolts, and counter flanges.
1	13.49	5VR2-60 N		9	5	20.14	5VR9-60 N	
1.5	14.44	5VR3-60 N		10	5	21.08	5VR10-60 N	T-Fitted: Oval flanges on body type PN16—pump is supplie
2	14.99	5VR4-60 N		11	7.5	21.54	5VR11-60 N	counter flanges for pipe to be screwed, joints, and bolts.
3	15.93	5VR5-60 N		12	7.5	22.48	5VR12-60 N	a control managed for pripe to the benefit on, joined, and the control
3	17.29	5VR6-60 N		13	7.5	23.43	5VR13-60 N	V. Final Consulting Street Lifetimes and Grant P. Att
5	18.25	5VR7-60 N		14	7.5	24.37	5VR14-60 N	V-Fitted: Connections with rapid fittings type "Victaulic®"—
5	19.19	5VR8-60 N		15	7.5	25.31	5VR15-60 N	supplied without collars.
	1	1 13.49 1.5 14.44 2 14.99 3 15.93 3 17.29 5 18.25	1 13.49 5VR2-60 N 1.5 14.44 5VR3-60 N 2 14.99 5VR4-60 N 3 15.93 5VR5-60 N 3 17.29 5VR6-60 N 5 18.25 5VR7-60 N	1 13.49 5VR2-60 N 1.5 14.44 5VR3-60 N 2 14.99 5VR4-60 N 3 15.93 5VR5-60 N 3 17.29 5VR6-60 N 5 18.25 5VR7-60 N	1 13.49 5VR2-60 N 9 1.5 14.44 5VR3-60 N 10 2 14.99 5VR4-60 N 11 3 15.93 5VR5-60 N 12 3 17.29 5VR6-60 N 13 5 18.25 5VR7-60 N 14	1 13.49 5VR2-60 N 9 5 1.5 14.44 5VR3-60 N 10 5 2 14.99 5VR4-60 N 11 7.5 3 15.93 5VR5-60 N 12 7.5 3 17.29 5VR6-60 N 13 7.5 5 18.25 5VR7-60 N 14 7.5	1 13.49 5VR2-60 N 9 5 20.14 1.5 14.44 5VR3-60 N 10 5 21.08 2 14.99 5VR4-60 N 11 7.5 21.54 3 15.93 5VR5-60 N 12 7.5 22.48 3 17.29 5VR6-60 N 13 7.5 23.43 5 18.25 5VR7-60 N 14 7.5 24.37	1 13.49 5VR2-60 N 9 5 20.14 5VR9-60 N 1.5 14.44 5VR3-60 N 10 5 21.08 5VR10-60 N 2 14.99 5VR4-60 N 11 7.5 21.54 5VR11-60 N 3 15.93 5VR5-60 N 12 7.5 22.48 5VR12-60 N 3 17.29 5VR6-60 N 13 7.5 23.43 5VR13-60 N 5 18.25 5VR7-60 N 14 7.5 24.37 5VR14-60 N

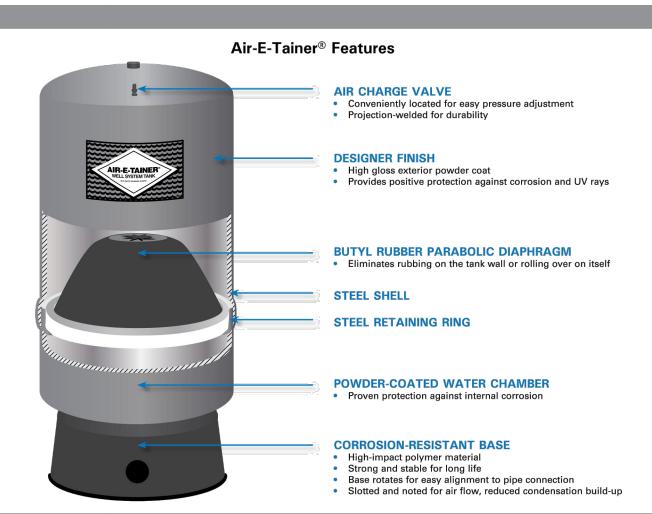
: Round flanges on body type PN25—pump is supplied without oolts, and counter flanges. Oval flanges on body type PN16—pump is supplied without oval

Connections with rapid fittings type "Victaulic®"—pump is without collars.

								Motor	Dimen	sions	(in)								
Phase	HP	Framo	Standard Efficiency ODP				Premium Efficiency ODP			Phase	Standard Efficiency TEFC				Standard Efficiency TEFC				
Pilase		Frame	Volts	L2	М	D1	Volt	L2	М	D1	Pilase	Volts	L2	М	D1	Volt	L2	М	D1
7	1	56C		11.22	5.06	6.19							11.35	5.19	6.19		11.35	5.19	6.19
	1.5	56C		12.72	5.06	6.2	NI/A	NI/A	NI/A	N/A			11.97	5.19	6.19	F7F	11.97	5.19	6.19
	2	56C	200 270/460	13.22	5.06	6.2	N/A	N/A	N/A	N/A	7	200 270/460	12.85	5.19	6.19	3/3	12.85	5.19	6.19
3	3	560	200 230/400	13.24	5.62	7.16						200 230/400	13.23	5.74	7.19		13.23	5.74	7.19
	5	182/4TC		16.55	5.61	8.92	208-230/460	13.62	6.75	8.5			16.55	6.87	8.5	N/A	N/A	N/A	N/A
	7.5	182/4TC		16.55	6.87	8.6	208-230/460	15	6.75	8.5			18.05	6.87	8.5	N/A	INJA	IN/A	IN/A
Dhasa	HD	France	Premium Efficiency TEFC				Premium Efficiency TEFC			Dhasa	Standard E	fficiency ODP			Standard Efficiency TEFC				
Phase	HP	Frame -	Volt	L2	М	D1	Volts	L2	М	D1	Phase	Volts	L2	М	D1	Volt	L2	М	D1
	1	56C											12.72	5.06	6.19		12.25	5.55	7.19
	1.5	56C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		115/230	12.73	5.06	6.2	115/230	13.25	5.74	7.19
7	2	56C	N/A	IN/A	IN/A	N/A	N/A	IN/A	N/A	N/A	1		13.24	5.61	7.19		14.12	6.62	7.19
3	3	56C									'	230	12.94	5.73	6.62	230	14.12	5.79	7.19
	5	182/4TC	575	16.55	6.87	8.5	208-230/460	16.55	6.87	8.5		N/A	N/A	N/A	N/A	230	18.05	6.87	8.6
		182/4TC	575	18.05	6.87	8.6	208-230/460	18.05	6.87	8.6		IN/A	IN/A	IN/A	IN/A	N/A	N/A	N/A	N/A

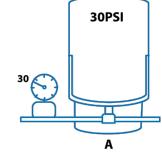
AIR-E-TAINER® **WELL SYSTEM TANKS**



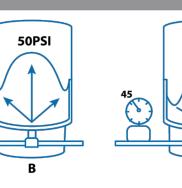




These illustrations show the operation of the Air-E-Tainer® tank in a typical 30/50 pressure range.



 A. Tank is pre-pressurized with air at the factory.



B. When pump starts, water enters the reservoir. At 50 psig, system is filled. Pump shuts off.

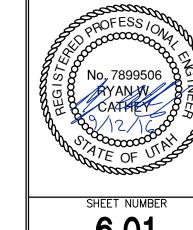
C. When water is demanded, pressure in the air chamber forces water into the system. Pump turns

 D. When pressure in tank drops to pressure switch cut-in point (30 psig) pump refills the tank as in Illustration B.

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

Copyright © 2016 Flint & Walling





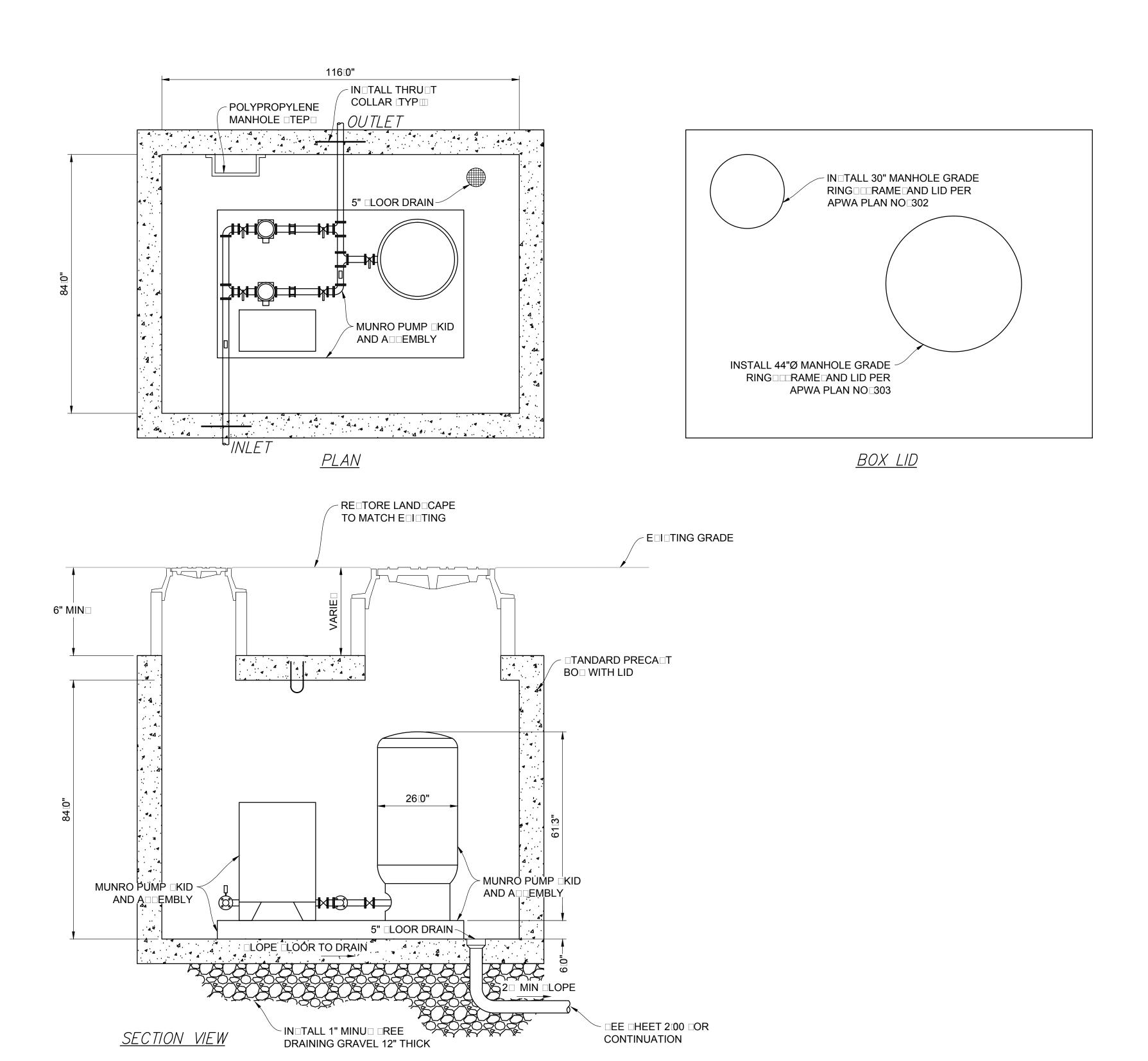
NEIGHBORHOOD

HORIZ

6.01

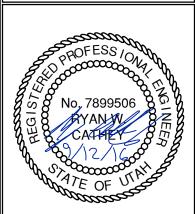
SCALE VERTICAL: 1"= N/A HORIZONTAL: 1"= N/A JOB NUMBER

SLB0793



HORIZON NEIGHBORHOOD PRUD
BOOSTER PUMP DETAILS

6217 SOUTH STATE \$



SHEET NUMBER
6.02

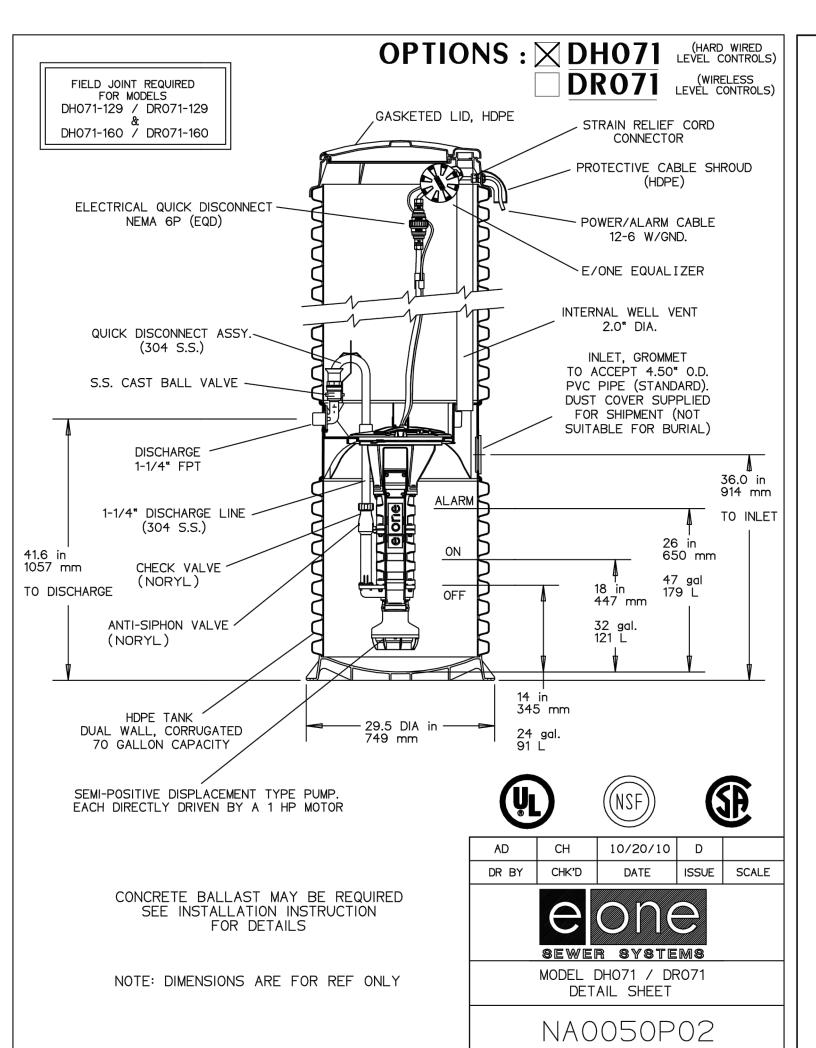
SCALE

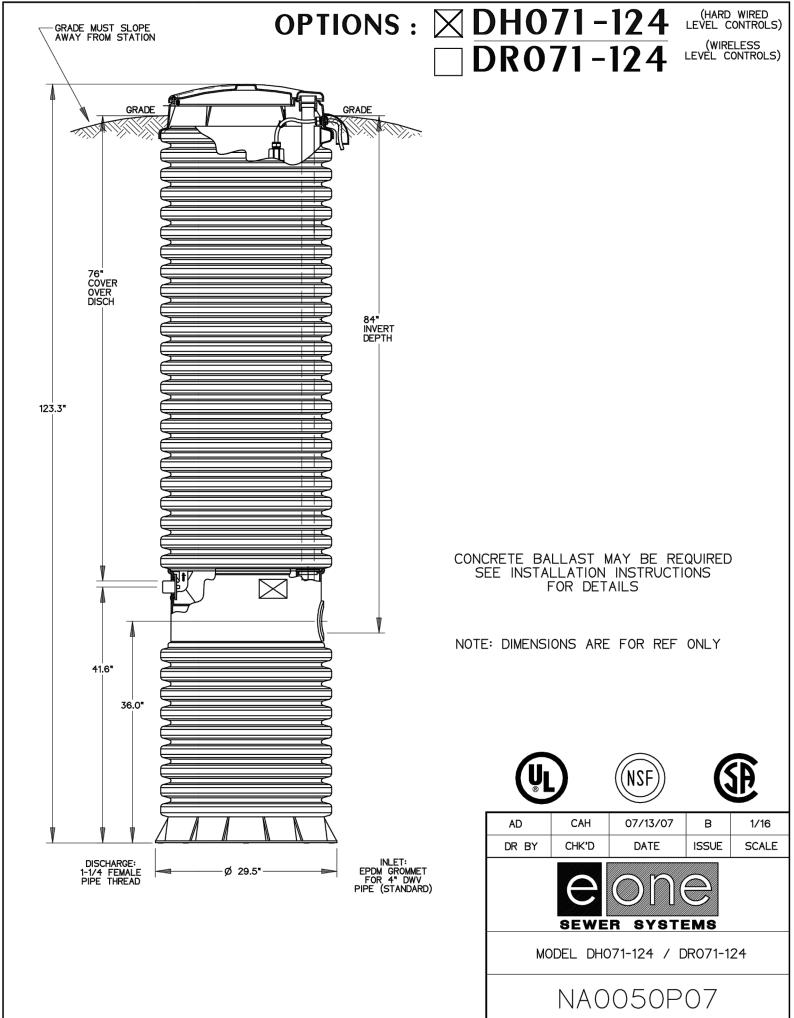
VERTICAL: 1"= N/A

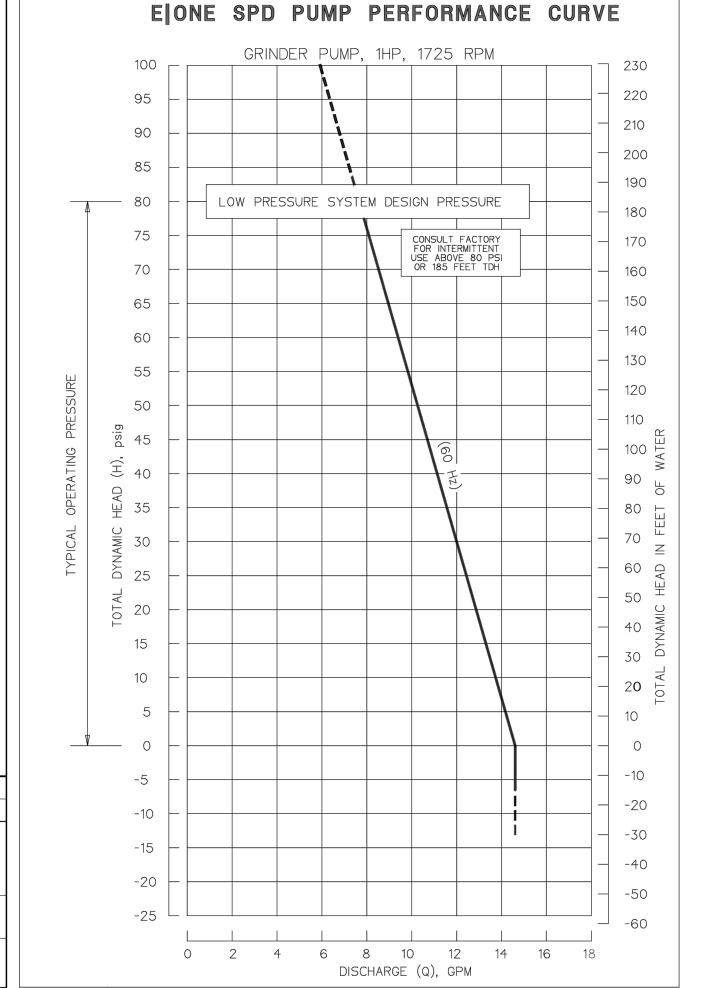
HORIZONTAL: 1"= N/A

JOB NUMBER

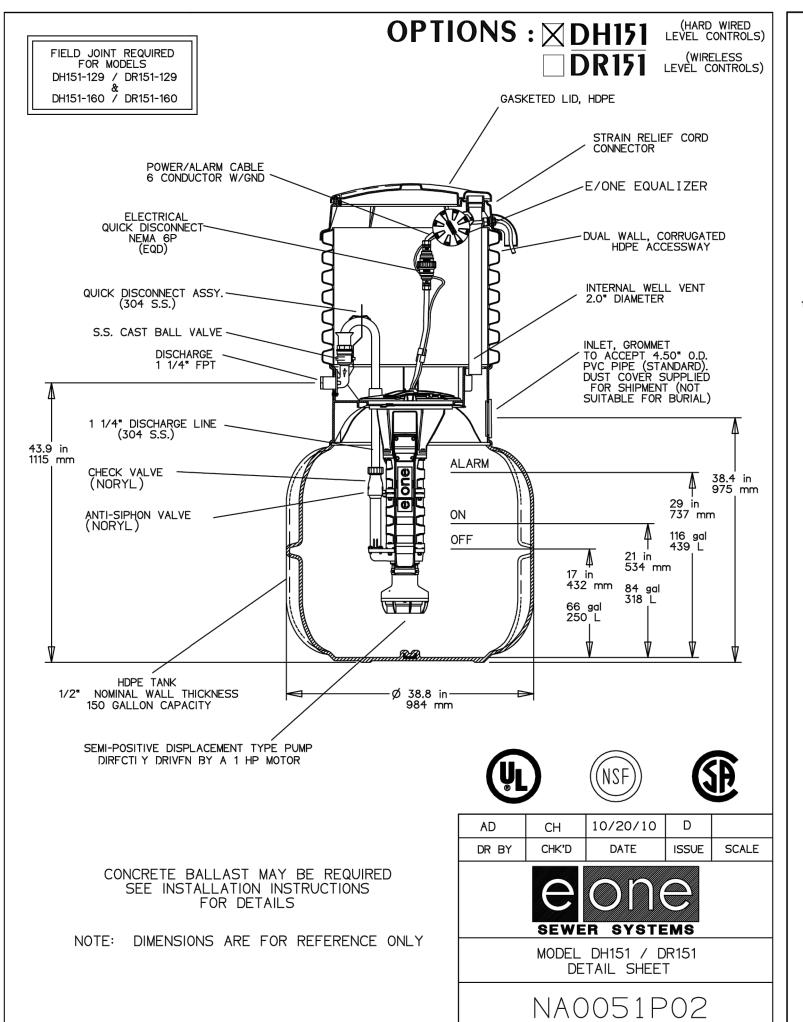
SLB0793

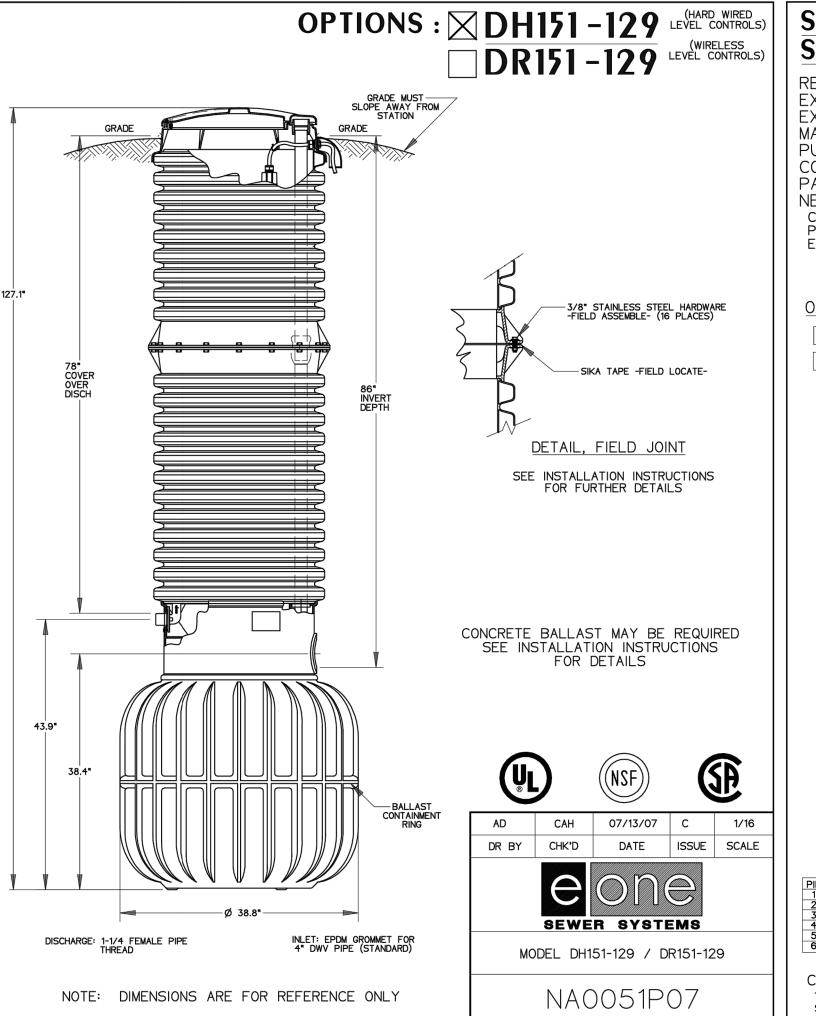


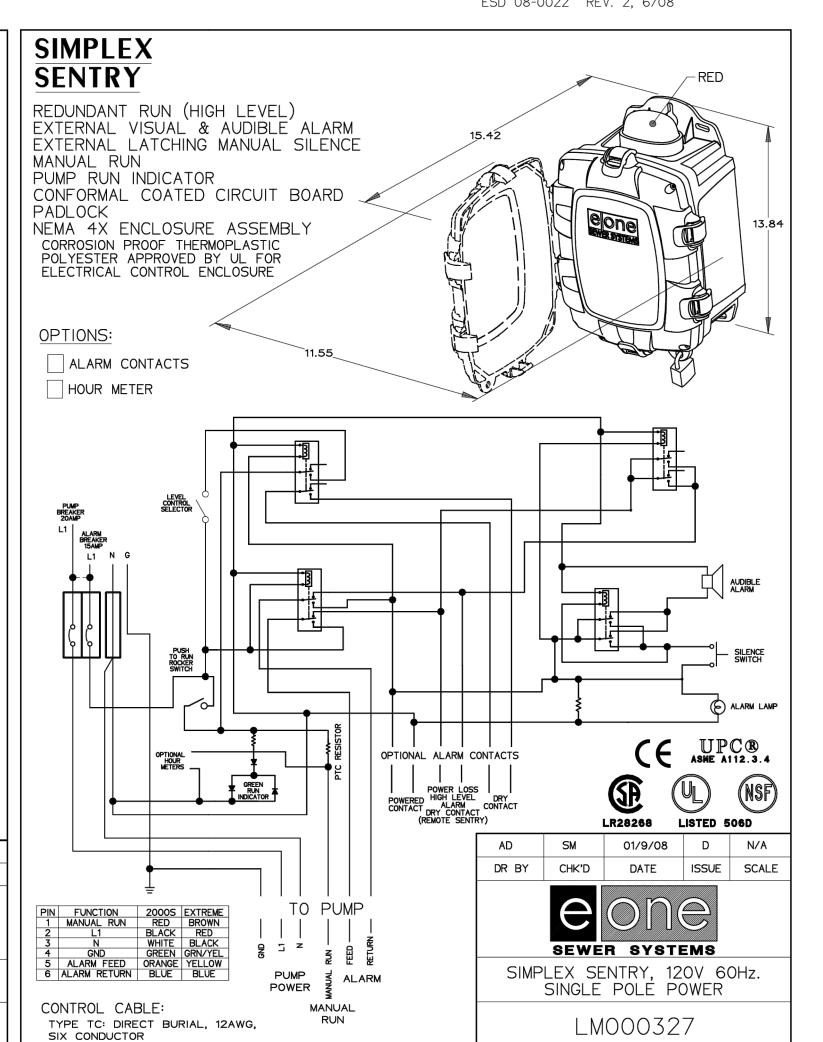




ESD 08-0022 REV. 2, 6/08





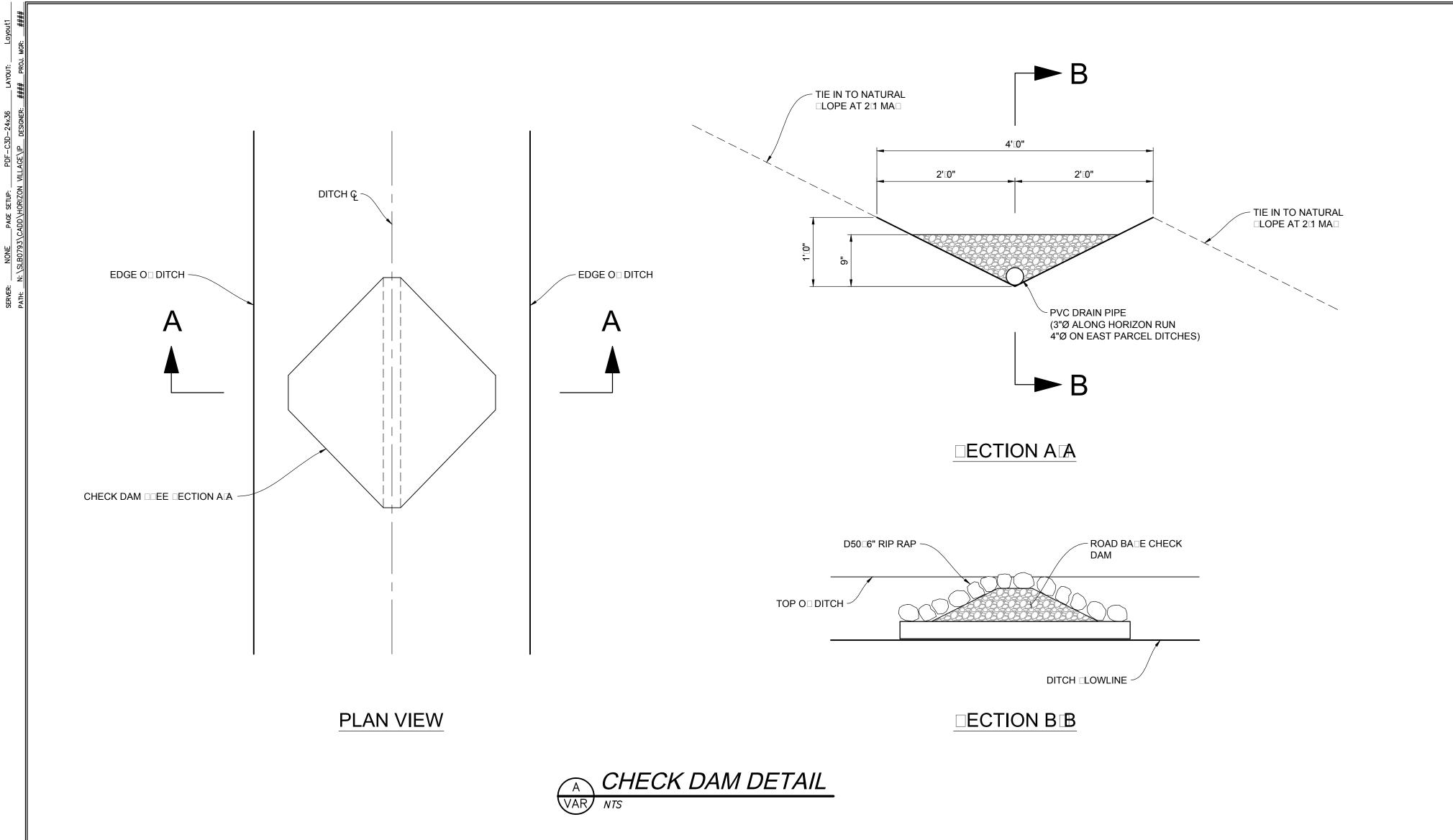




SCALE VERTICAL: 1"= N/A HORIZONTAL: 1"= N/A

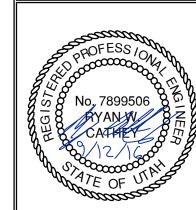
NEIGHBORHOOD

JOB NUMBER SLB0793

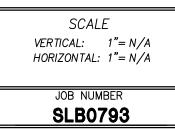


HORIZON NEIGHBORHOOD PRUD
DETAILS

5217 SOUTH STATE STREET, SUI 801.743.1300 TEL 801.743.0300 F



SHEET NUMBER
6.04



	IFGFND
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
⇒ GFI WP	RECEPTACLE — DUPLEX GFI GROUND FAULT INTERRUPT
=₩	WP WEATHERPROOF RECEPTACLE — DOUBLE DUPLEX SAME INDICATORS AS SHOWN FOR DUPLEX
<u>о</u> ю	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
PNL	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
VFD ⊠h¾x □h¾x ⊠ ¾x	VARIABLE FREQUENCY DRIVE COMBINATION STARTER DISCONNECT SWITCH CONTACTOR
60	CIRCUIT BREAKER
HF	HARMONIC FILTER
10	MOTOR (10 HORSEPOWER NOTED)
	TRANSFORMER, DRY-TYPE TRANSFORMER, PAD MOUNTED

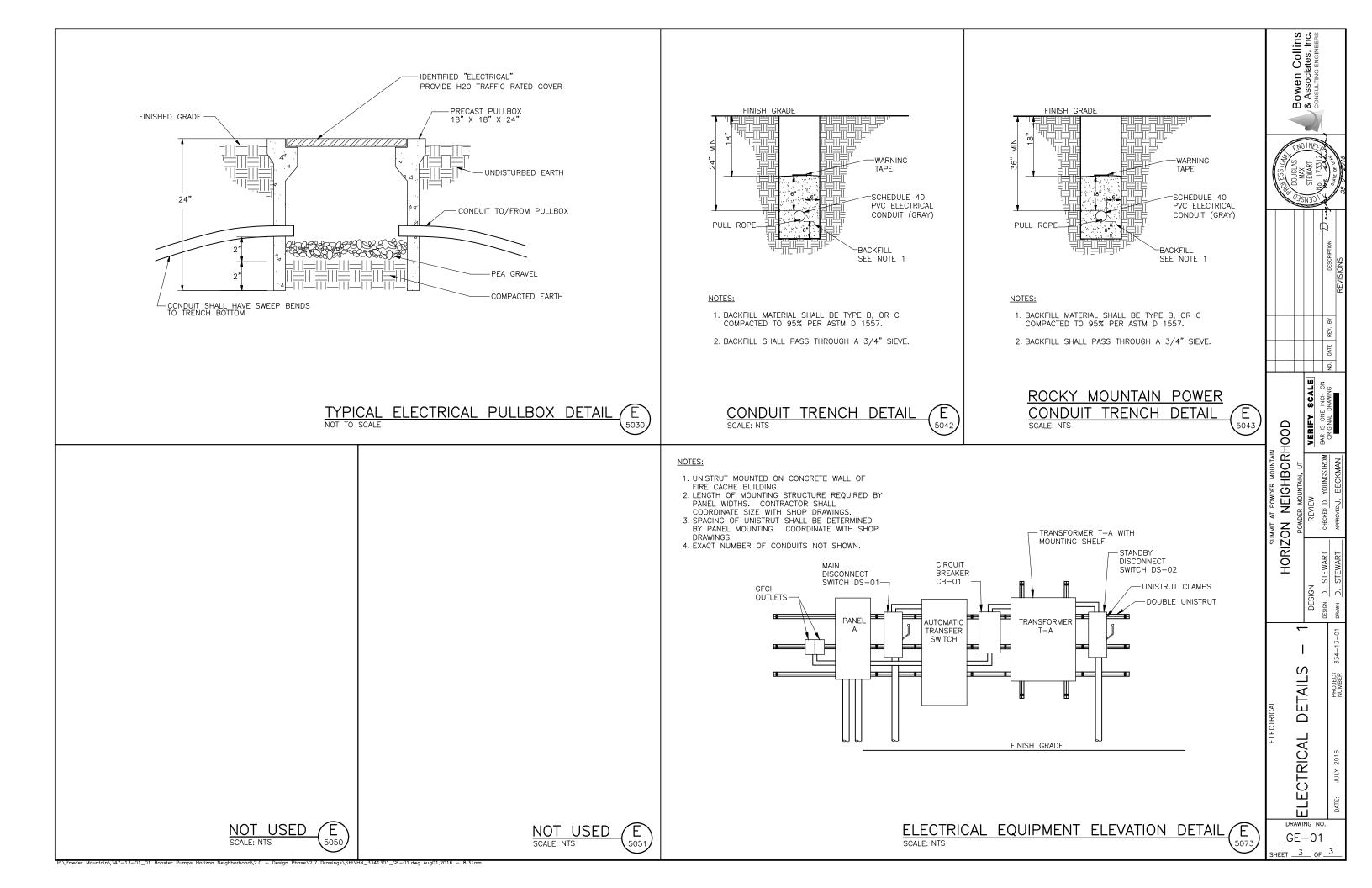
_									
	SYMBOL	ABBREVIATIONS AND MISCELLANEOUS							
	ATS	AUTOMACTIC TRANSFER SWITCH							
	EC MC	ELECTRICAL CONTRACTOR MECHANICAL CONTRACTOR							
	GC GC	GENERAL CONTRACTOR							
	c	CONDUIT							
	GND	GROUND							
	BOD	BOTTOM OF DEVICE							
	COD	CENTER OF DEVICE							
	AFF	ABOVE FINISHED FLOOR							
	AFG	ABOVE FINISHED GRADE							
	BLG	BELOW GRADE							
	AC BC	ABOVE COUNTER, 4" ABOVE BACK SPLASH							
		BELOW COUNTER, 4" BELOW COUNTER TOP WITH							
	W/ a,b,c	SWITCH DESIGNATION							
	SF	SURFACE							
	UG	UNDERGROUND							
	WP	WEATHER PROOF							
	1/E5.2	INDICATES DETAIL 1 ON SHEET E5.2							
	<u> </u>	SHEET WORK NOTE.							
	(x-x-xxxx)	EQUIPMENT TAG NUMBER							
	XX,XXX	FAULT CURRENT VALUE							
L	XXX	GENERAL ELECTRICAL TAG							
Γ		GROUNDING SYMBOLS							
Γ									
	(6)	GROUND ROD							
	Ü								
		GROUND ROD IN GROUND WELL							
	0	GROUND RISER FROM THE GROUND PLATE							
		(REBAR) BOLTED AND WELDED GROUND CONNECTIONS.							
		RESPECTIVELY							
- [GROUND CABLE:							
- [EMBEDDED IN CONCRETE BURIED IN EARTH							
- [EXPOSED							
_									

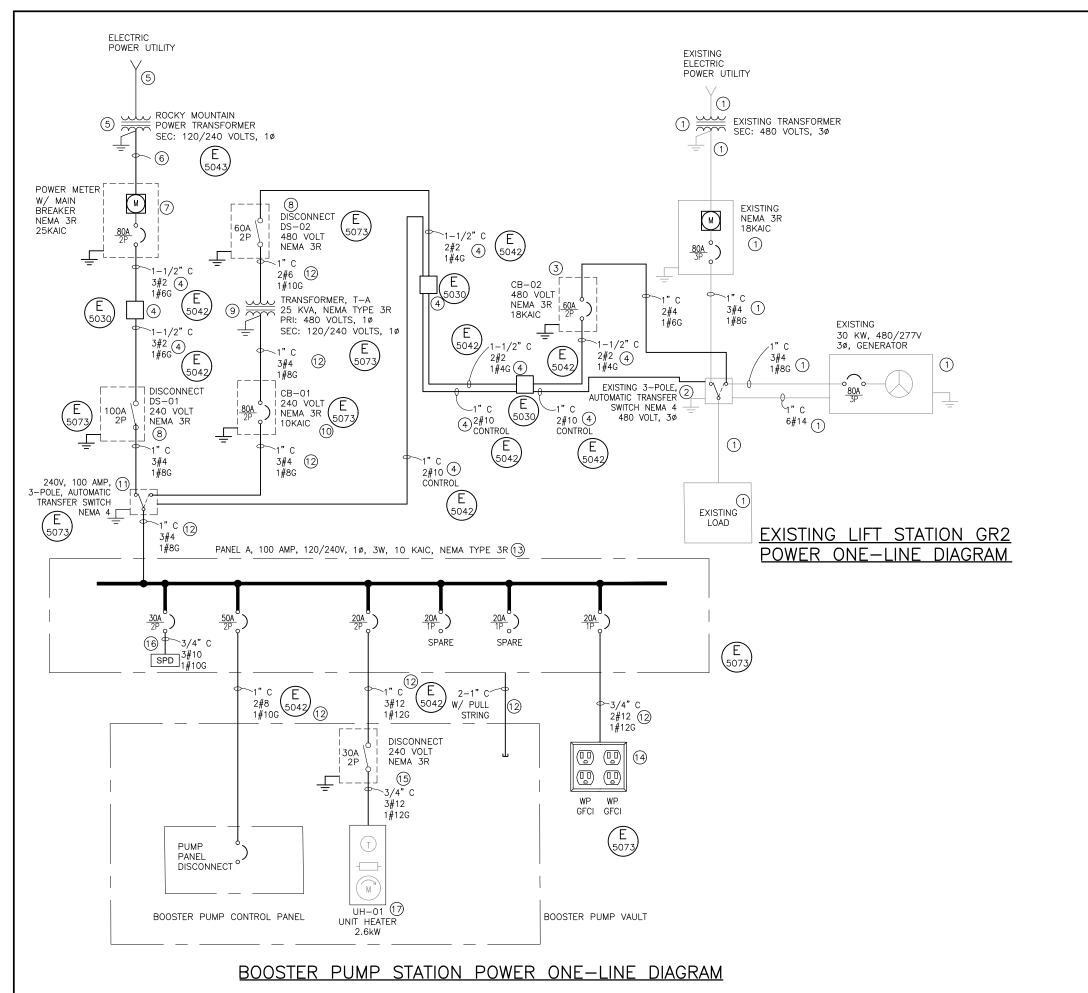
GENERAL NOTES

- A. 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.
- B. CONTRACTOR SHALL VERIFY ALL ELECTRICAL LOADS (VOLTAGE, PHASE, CONNECTION REQUIREMENTS, ETC.) OF EQUIPMENT FURNISHED BEFORE BEGINNING ROUGH-IN
- C. SEE APPLICABLE SHOP DRAWINGS FOR ROUGH-IN LOCATION OF ALL EQUIPMENT, WIRING DEVICES, ETC.
- D. 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.
- E. ALL PENETRATIONS OF FLOORS, WALLS AND CEILINGS SHALL BE SEALED WITH APPROVED MATERIAL.
- F. 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.
- G. 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.
- H. 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.
- J. 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.
- K. THE ELECTRICAL INSTALLATION SHALL COMPLY WITH THE CURRENT VERSION OF THE NEC, LOCAL, AND STATE CODES.



SHEET __1__ 0F__3



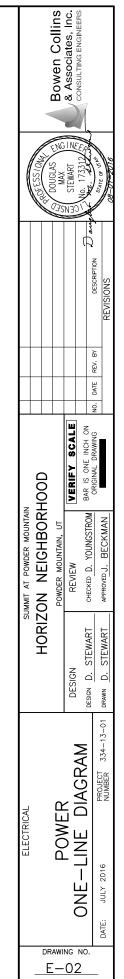


GENERAL NOTES:

- 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.
- PROVIDE AND INSTALL WEATHER PROOF HUBS FOR ALL OUTDOOR CONDUITS.

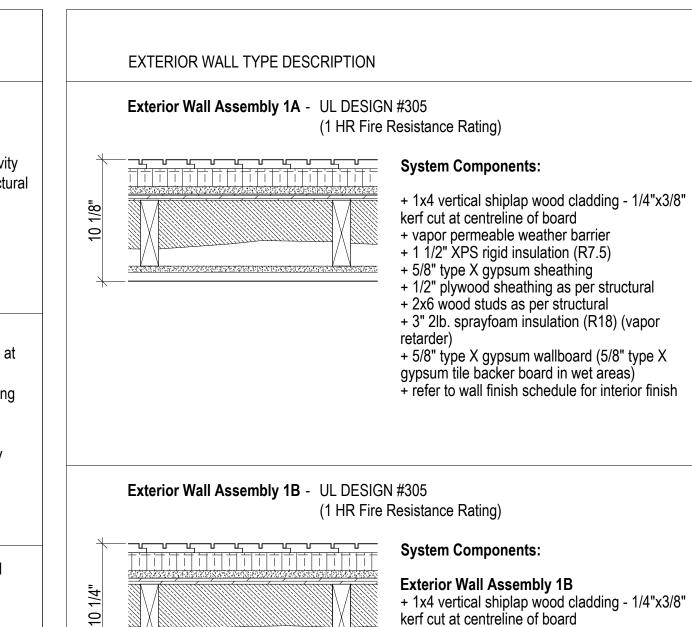
KEY NOTES: (#)

- 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. PROVIDE AND INSTALL ADDITIONAL PULL BOXES IF NEEDED. 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.
- 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.



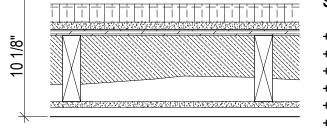
SHEET $\frac{2}{}$ OF $\frac{3}{}$

TYPE	INTERIOR WALL T	YPE DESCRIPTION	TYPE	INTERIOR WALL TYPI	E DESCRIPTION	TYPE		NTERIOR WALL TYP	E DESCRIPTION		EXTERIOR WALL TYPE DESCRIPTION
P1	112" The state of	+ 1/2" GWB, PTD (TBD) + 2x6 studs @ 16" o.c. + 1/2" GWB, PTD (TBD)	P10	11/1 8	+ 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	10 1/8"	Exterior Wall Assembly 1A - UL DESIGN #305 (1 HR Fire Resistan System + 1x4 kerf cu + vapo + 1 1/2 + 5/8" + 1/2" + 2x6 v
P2	P115	+ 1/2" GWB, PTD (TBD) + 2x6 studs @ 16" o.c. + 5 1/2" acoustic batt in cavity + 1/2" GWB, PTD (TBD)	P11	# 1/1	+ 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)		+ 3" 2lt retarde + 5/8" t gypsun + refer Exterior Wall Assembly 1B - UL DESIGN #305
P3	1.12	+ 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)	10 1/4"	(1 HR Fire Resistand System Exterior + 1x4 v kerf cur + vapo + 1 1/2 + 5/8" t + 1/2" p + 2x6 v + 3" 2lt retarde
P4	11/8"	+ 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	9114"	+ 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	1:-1 3/4"		+ 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)		+ 1x4 v + 5/8" t gypsun + refer Exterior Wall Assembly 1C - UL DESIGN #305 (1 HR Fire Resistance) System
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	## 1/4 m	+ 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	1.2 3/8"		+ tile as per spec + 5/8" tile backer board + 2x8 studs @ 16" o.c. + 5 1/2" acoustic batt in cavity + 2x6 studs @ 16" o.c. + 1/2" GWB, PTD (TBD)	101/8"	+ 1x4 h + vapor + 1 1/2 + 5/8" t + 1/2" p + 2x6 v + 3" 2lk retarde + 5/8" t + 1x4 h
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	1:-1 3/4"		+ 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)	10 1/4"	Exterior Wall Assembly 2 - UL DESIGN #305 (1 HR Fire Resistance) System + 1x4 v kerf cut + vapo + 1 1/2" + 5/8" t + 1/2" p + 2x6 v
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	1.2"		+ 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)		+ 5/8" t + vapor + 1x4 v kerf cut
P8	6 3/4" 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 1/8	+ 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	3 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	9 1/2"	+ 3/4" x gaps (s + 2x4 h + 2x8 s
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						



+ refer to wall finish schedule for interior finish

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

+ vapor permeable weather barrier

+ 2x6 wood studs as per structural

+ 1x4 wood strapping @ 16" o.c.

+ 1/2" plywood sheathing as per structural

+ 3" 2lb. sprayfoam insulation (R18) (vapour

+ 5/8" type X gypsum wallboard (5/8" type X gypsum tile backer board in wet areas)

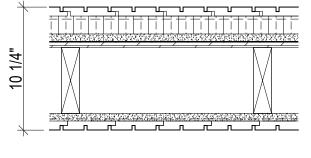
+ 1 1/2" XPS rigid insulation + 5/8" type X gypsum sheathing

retarder)

(1 HR Fire Resistance Rating)

retarder) + 5/8" type X gypsum wallboard + 1x4 horizontal shiplap wood cladding

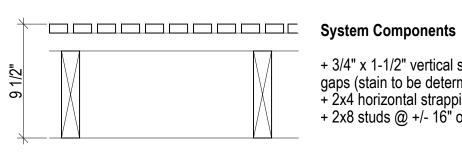
Exterior Wall Assembly 2 - UL DESIGN #305 (1 HR Fire Resistance Rating)



System Components + 1x4 vertical shiplap wood cladding - 1/4"x3/8" kerf cut at centreline 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 centreline of board

+ 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



Key Plan

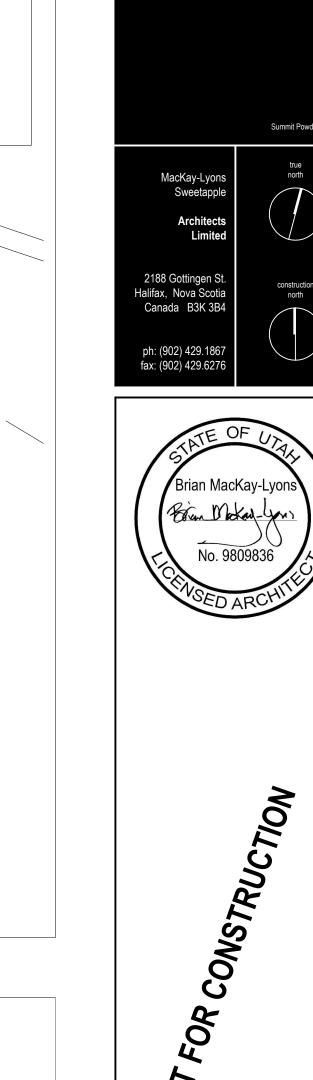
Scale 1/128" = 1'-0" AD AREA DRAIN ADJ **ADJACENT** ABOVE FINISHED FLOOR ALUM ALUMINUM ANOD ANODIZED **BSMT BASEMENT BYOND** BEYOND BOT BOTTOM B/W BETWEEN CHNL CHANNEL CJ CONTROL JOINT CLG CEILING CLR CLEAR CONCRETE MASONRY UNIT CMU COF CENTERLINE OF WOOD FRAMING COL COLUMN CONC CONCRETE CONT CONTINUOUS CPT CARPET CT **CERAMIC TILE** DBL DOUBLE DIA DIAMETER DIMS DIMENSIONS DN DOWN DR DOOR DWG DRAWING EACH ELEVATION ELEC **ELECTRICAL** ELEV ELEVATOR / ELEVATION EQ EQUAL FOF FACE OF WOOD FRAMING FDN FOUNDATION GA GAUGE GALV GALVANIZED **GWB** GYPSUM WALL BOARD HC HOLLOW CORE

GYPSUM WALL BOARD METAL NIC NOT IN CONTRACT NOM NOMINAL OC ON CENTER OH OPPOSITE HAND ΟZ OUNCE PCC PRE-CAST CONCRETE PLYD PLYWOOD PT PRESSURE TREATED PTD PAINTED PVC POLYVINYL CHLORIDE RCP REFLECTED CEILING PLAN RD ROOF DRAIN REQD REQUIRED REV REVERSE RM ROOM SIM SIMILAR SPEC SPECIFIED OR SPECIFICATION SPK SPRINKLER ST STL STAINLESS STEEL STC SOUND TRANSMISSION COEFFICIENT STL STEEL STRUCT STRUCTURAL TELE TELEPHONE TLT TOILET TO TOP OF TOC TOP OF CONCRETE TOS TOP OF STEEL TP TOILET PAPER DISPENSER T/D TELEPHONE/DATA TYP TYPICAL UON UNLESS OTHERWISE NOTED U/S UNDERSIDE VIF **VERIFY IN FIELD** VP **VISION PANEL** TYP TYPICAL VIF **VERIFY IN FIELD** W/ WITH

WOOD

WD

MOISTURE-RESISTANT



NOTES: COPYRIGHT RELATED TO THE USE OF THIS

No. Description

07

The use of this drawing shall be governed by standard copyright law as generally accepted in architectural ARCHITECT'S REQUIREMENTS AND APPROVALS:

Issued for FDN Permit 14.10.2016

Date

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

ENGINEER'S REQUIREMENTS AND APPROVALS: It is the Builder's responsibility to notify MacKay-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 jurisdication 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 Abbreviations, Key Plan & Partition Types

scale: varies date: 16-07-18

drawn: MJ/JL

chk'd: BML

1 Abbreviations

HOLLOW METAL

HEATING, VENTILATING,

MASONRY OPENING

AND AIR CONDITIONING

HIGH POINT

IN LIEU OF

INTERIOR

MAXIMUM

MECHANICAL

MEMBRANE

MINIMUM

LOW

INSULATED

EA

HP

HVAC

ILO

INT

MAX

MO

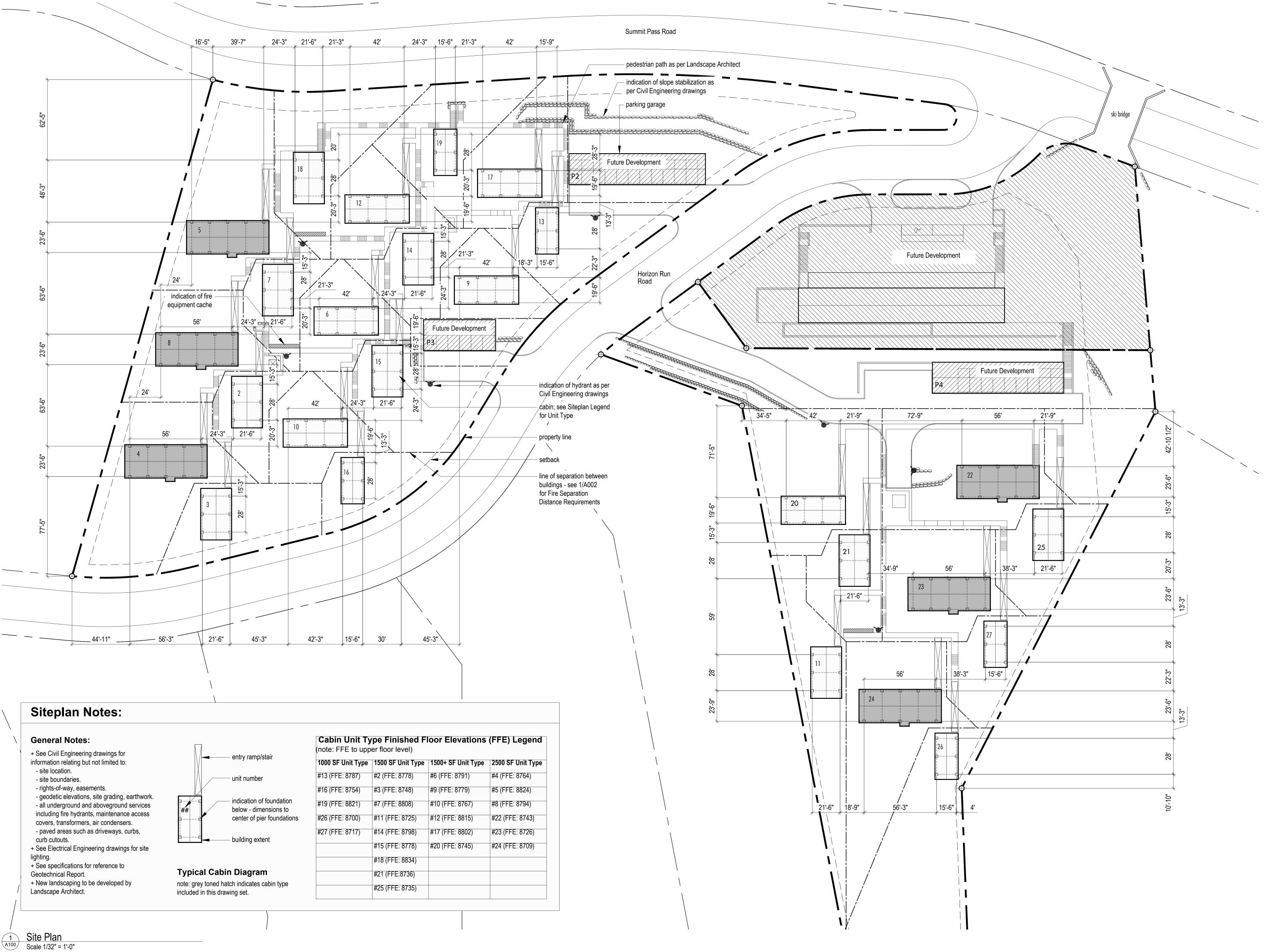
MIN

MECH

MEMBR

LO

INSUL









NOTES:

COPYRIGHT RELATED TO THE USE OF THIS

Issued for FDN Permit 14.10.2016

The use of this drawing shall be governed by standard copyright law as generally accepted in architectural

ARCHITECT'S REQUIREMENTS AND APPROVALS: It is the Builder's responsibility to notify MacKay-Lyons Sweetapple Architects Ltd. and to seek prior written approval for materials and workmanship which deviates from instructions provided by the Architect.

ENGINEER'S REQUIREMENTS AND APPROVALS: It is the Builder's responsibility to notify MacKay-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 jurisdication 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:

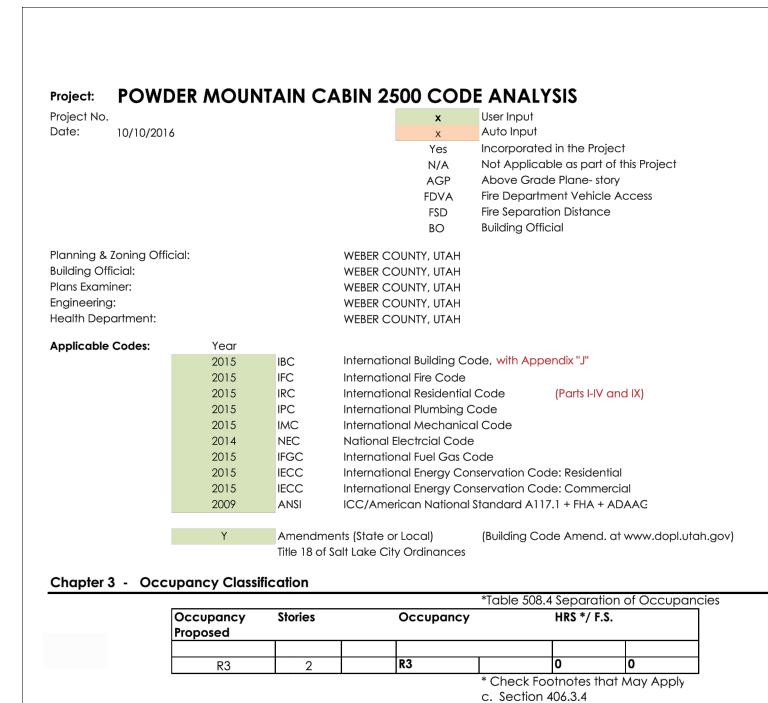
Submit shop drawings to the Architect and Engineer for approval prior to manufacture of prefabricated elements of the building.



scale: 1/32" = 1'-0"

drawn: DP

chk'd: BML



Chapter 4 - Special Requirements 406 Motor Related Occupancies

420.2 Separation between R2 occupancies with 1 hour fire partition as per 708

420.3 Horizontal Separation-Separation between units shall be 1 hour.

Chapter 6- Construction Type

Table 601		Table 601	
Occupancy	Туре	Fire-Rating per Occupancy*	R2
R3	VB	Туре:	VB
		Structural Frame	0
		Bearing Walls Ext.	0
		Bearing Walls Int.	0
		Nonbearing walls & part at ext.	
	1	Nonbearing walls & part at int.	0
		Floor Construction + Second. members	0
		Roof Construction + Second. members	0
		* Check footnotes that might apply	· · · · · · · · · · · · · · · · · · ·

	Table 602: Fire Resi	stance for Ext	terior wall/l	Fire Separation (Distance	
	Fire Separ.	Const. Type			R3	
Yes	x<5	All			1	
Yes	5≤x<10	IA, Others			1	
N/A	10≤x<30	IA, VA			14	
Yes	v>30	ΔΙΙ			Λ	

Chapter 5 - General Building Heights and Areas Strategy

	le 504.3, 504.4, 506.2	IA, VA H _t	IA, VA S _t	IA/VA At	Aa	A _a
Mark which Strategy Take	n: Occ	Height (ft)	Story	Area (sf)	Area (sf)	Area (sf)
Accessory Occ:						
	R3	55	3	7,000		1,128
Incidental Acc. C	Occ:					
X Single Occ:						
Mixed Occ:						
Nonseparated Us	es:		Insert	each A _t		
Separated Uses:						

S2 OCCUPANCY - AREA CALCULATION AS SHOWN ON THE LOWER LEVEL PARKING GARAGE

506.1 Area Ca	lculation		(To	otal Building)				
Aa	=	At	+	At If	+	At Is		
		Aa	=	Allowable Ared	a per Floor			
		At	=	Tabular Area p	er Table 503 (squar	e feet)		
		If	=		due to frontage			
		Is	=	Area increase	due to sprinkler prot	tection		
At	=	UNLIMITED		3: Type V-B, Gro	•			
If	=	0.30		5.2 See calculation				
ls	=	UNLIMITED	Sec. 506.3	3 Fully Sprinkled:	200% for Multi-Story	Building / 30	00% for Single Sto	ry
Aa	=	UNLIMITED	+	0	0.3002	+	0	0
Aa	=	UNLIMITED	+	0	+	0		
Aa	=	UNLIMITED	sf	ALLOWABLE A	REA PER FLOOR			
	x	2	Multiply b	y number of stori	ies - 506.4 (Max. 300	% increase)		
		UNLIMITED	sf	ALLOWABLE A	REA OF BUILDING			
1,645		UNLIMITED		OK, ALLOWABL	E EXCEEDS ACTUAL			
	< ALLOWABLE	UNLIMITED AREA PER BUILDING		OK, ALLOWABL	E EXCEEDS ACTUAL			
	< ALLOWABLE				LE EXCEEDS ACTUAL			
ACTUAL AREA		AREA PER BUILDING						
ACTUAL AREA		AREA PER BUILDING UNLIMITED F	0.25	OK, ALLOWABL				
3,289 506.2 Frontage	e Increase =	AREA PER BUILDING UNLIMITED F P		OK, ALLOWABL W 30				
3,289 506.2 Frontage	e Increase	UNLIMITED F P Area Increase	due to fr	OK, ALLOWABL W 30 ontage	E EXCEEDS ACTUAL			W
3,289 506.2 Frontage If If F	e Increase = = = =	F Area Increase Building perim	due to fr eter whic	OK, ALLOWABL W 30 ontage th fronts on a pub		ace having 2	0 feet minimum ((feet)
3,289 506.2 Frontage If If F P	= Increase	F P Area Increase Building Perimeter of e	due to fr eter whic ntire build	OK, ALLOWABL W 30 ontage th fronts on a pub	Jic way or open spo		20 feet minimum ((feet)
3,289 506.2 Frontage If If F	e Increase = = = =	F P Area Increase Building Perimeter of e	due to fr eter whic ntire build	OK, ALLOWABL W 30 ontage th fronts on a pub	E EXCEEDS ACTUAL		0 feet minimum ((feet)
3,289 506.2 Frontage If If F P	= Increase	F P Area Increase Building Perimeter of e	due to fr eter whic ntire build	OK, ALLOWABL W 30 ontage th fronts on a pub	Jic way or open spo		20 feet minimum ((feet)
3,289 506.2 Frontage If If F P W	= Increase	F P Area Increase Building perim Perimeter of e Width of public	due to fr eter whic ntire build c way or	OK, ALLOWABL W 30 ontage th fronts on a pub	Jic way or open spo		10 feet minimum ((feet)
3,289 506.2 Frontage If If F P W	= Increase	F P Area Increase Building perim Perimeter of e Width of public	due to fr eter whic ntire build c way or	OK, ALLOWABL W 30 ontage th fronts on a publing open space (fee	Jic way or open spo	ith 506.2.1		(feet)
3,289 506.2 Frontage If If F P W F	= Increase	F P Area Increase Building perim Perimeter of e Width of public	due to fr eter whic ntire build c way or If If	OK, ALLOWABL W 30 ontage th fronts on a publing open space (fee	Dic way or open spo	ith 506.2.1		(feet)
3,289 506.2 Frontage If If F P W F P W	= Increase	F P Area Increase Building perim Perimeter of e Width of public 125 178.5 20	due to fr eter whic ntire build c way or If If ft	OK, ALLOWABL W 30 ontage th fronts on a publing open space (fee	DIIC way or open sport) in accordance w	ith 506.2.1		(feet)
3,289 506.2 Frontage If If F P W F P W	= Increase	F P Area Increase Building perim Perimeter of e Width of public 125 178.5 20	due to fr eter whic ntire build c way or If If ft	OK, ALLOWABL W 30 ontage th fronts on a publing open space (fee	DIIC way or open sport) in accordance was ARGEST NUMBER THA	ith 506.2.1		(feet) 0.6666

(Chp. 7)- Fire-Resistance	Rated Construction	(List Items)

No	704.2 Column Protection: Primary structural frame individually protected.
No	704.3 Protection of the Primary Structural Frame other than columns: Requires individual protection when carry more than two floors or one floor and one roof.
No	704.10 Exterior Structural Members: Requires individual protection when carry more than two floors or one floor and one roof.
	705 Exterior Walls:
No	705.2 Projections: Shall not extend closer to FSD than Table 705.2.
Yes	705.2.2 Type V-B of any approved material
	705.2.3 Combustible projections either: 1-hr rated construction, type V-B construction,
No	705.5 Fire-resistance ratings:
	> 10 ft. exterior wall rated for exposure from inside only
	≤ 10 ft. exterior wall rated for exposure from both sides
	712 Vertical Openings:
No	712.1.2 Two-story openings: Allowed within individual dwelling unit
	718 Concealed Spaces:
N/A	718.2 Fireblocking: Required throughout.
	718.3 Draftstopping in floors:
N/A	718.3.3: Exception- Not required if building equipped throughout with
	an NFPA 13 automatic sprinkler system
	718.4 Draftstopping in attics:
N/A	718.4.3: Exception- Not required if building equipped throughout with
	an NFPA 13 automatic sprinkler system

ibiei o	- rinishe	3			
	Table 803.9	9 Interior Wall and C	Ceiling Finish F	Requirements by Occupar	ncy: sprinklered
	Group	Exiting Elements	Corridors	Rooms & enclosed Spaces	
	R3	В	С	С	

Chapter 9 - Fire Protection Systems

903.2 Auto	matic Sprinkler Systems Where Required:
R3	Required.

903.3.1 FS Standards: Install FS as per 903.3.1.1, 903.3.1.2 or 903.3.1.3:

YES	903.3.1.2 NFPA 13R sprinkler systems: Group R when ≤ 4 stories in height,
	903.3.1.2.1 Balconies and decks: Provide FS when bldg is of Type V const.
Voc	003 2 Q Quiek reen anno anno anno recidential envinderes Install FC as mor 003 2 1 in Croup B duvelling units

Yes	903.3.2 Quick-response and residential sprinklers: Install FS as per 903.3.1 in Group R dwelling units.
	906.1 Portable Fire Extinguishers where required:

		Class A, Ordinary Hazard:
		Ratea: 2-A
R3	Required per Dwelling Unit- 1-A:10-B:C	Max flr area/unit of A: 1,500 sf max tir area/extinguisner: 11,250 st
		Max travel distance: 75 ft.

907.2 Fire A	Narm and Detection Systems- Where required: Installed as per IBC and NFPA 72	
R3	907.2.8: Not required, but exception 2 must be met	

KO	767.236. 11611646#647.261 6X66PH6112 111631.26

Chapter 10 - Means of Egress

Table 1004.1 - Occupant Load: See 'G' Sheets for floor plans showing occupant loads per space.

1005 Egress Width: 0.3 x OL for stairs and 0.2 x OL for other egress components- See 'G' Sheets for floor plans showing stairs and egress components and width required and provided.

1007 Accessible means of Egress

1007.1 Need (1) accessible means of egress/space or (2) per when two exits required.

1007.3 Stairways: Need clear width of 48" between handrails and incorporate 'area of refugees'. Exception #2 & #3: 48" and 'Area of Refugees' not required when NFPA 13 installed.

Table 1017.2 - Exit access travel distance R3 = 200' (NFPA 13R)

= 400' (NFPA 13) 1016.1 - Unenclosed Stairs: exception #3- travel distance shall be measured from the most remote point in the building to an exit discharge.

1022 Interior exit stairways and ramps:

1- 1022.2: 1-Hr fire barrier when ≤ 4 stories. 2- Construct as per 1022.2 - 1020.10.

(Chp. 11) Accessibility

	1103 Scope:	
No	1103.2.3	Detached One and Two Family dwellings are exempt from Chapter 11
No.	1107 7 Ceneral Exceptions	

(Chp 12) Interior Environment

1207 Sound Transmission:

1207.3 Structure-borne Sound: Dwelling unit must be separated with a floor/celing assemblies that have an STC rating \geq 50 (45 if field tested).

1207.2 Air-borne Sound: Dwelling unit must be separated with walls, partitions and floor/celing assemblies that have an IIC rating \geq 50 (45 if field tested).

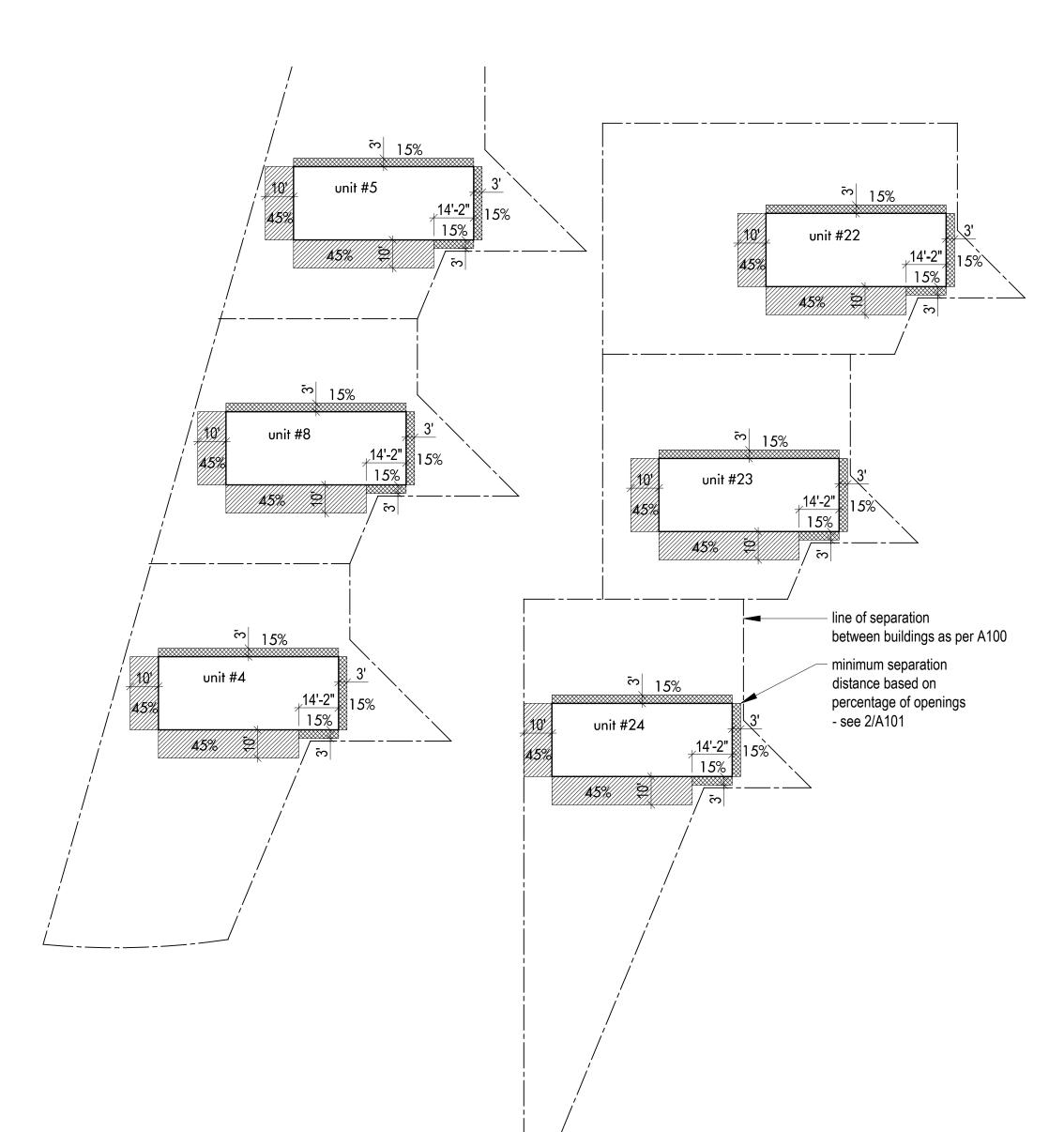
1107.2.2 Multi-story units without elevator service are not required to have Type B, and are exempt.

building number	northwest corner natural grade elevation	northeast corner natural grade elevation	southwest corner natural grade elevation	southeast corner natural grade elevation	upper level floor elevation	height to building ridge	average building height (less than 35')
4	8753.35	8752.6	8744.45	8742.60	8764.00	8780.75	32.775
5	8813.05	8808.5	8805.10	8800.05	8824.00	8840.75	34.2
8	8784.30	8781.55	8775.60	8772.90	8794.00	8810.75	32.15
22	8729.35	8726.85	8724.05	8721.35	8743.00	8759.75	34.4
23	8717.80	8714.65	8714.10	8711.45	8726.00	8742.75	28.125
24	8704.45	8702.7	8698.75	8696.90	8709.00	8725.75	25.075

Height Restriction Chart nts

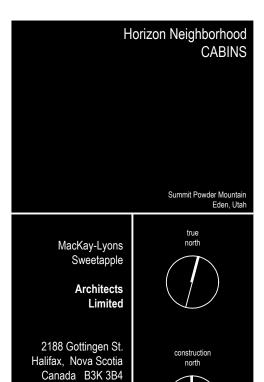


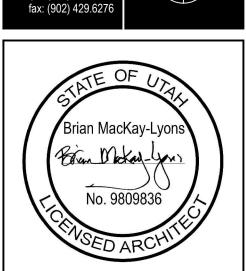
Percentage of Openings Elevation Diagrams Scale 1/32" = 1'-0"



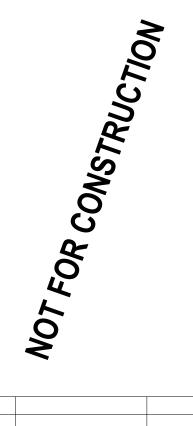
Separation Distance Plan Diagrams

Scale 1/32" = 1'-0"





ph: (902) 429.1867



Issued for FDN Permit 14.10.2016

NOTES:

COPYRIGHT RELATED TO THE USE OF THIS The use of this drawing shall be governed by standard copyright law as generally accepted in architectural

ARCHITECT'S REQUIREMENTS AND APPROVALS: It is the Builder's responsibility to notify MacKay-Lyons Sweetapple Architects Ltd. and to seek prior written approval for materials and workmanship which deviates from instructions provided by the Architect.

ENGINEER'S REQUIREMENTS AND APPROVALS: It is the Builder's responsibility to notify MacKay-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 jurisdication 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

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

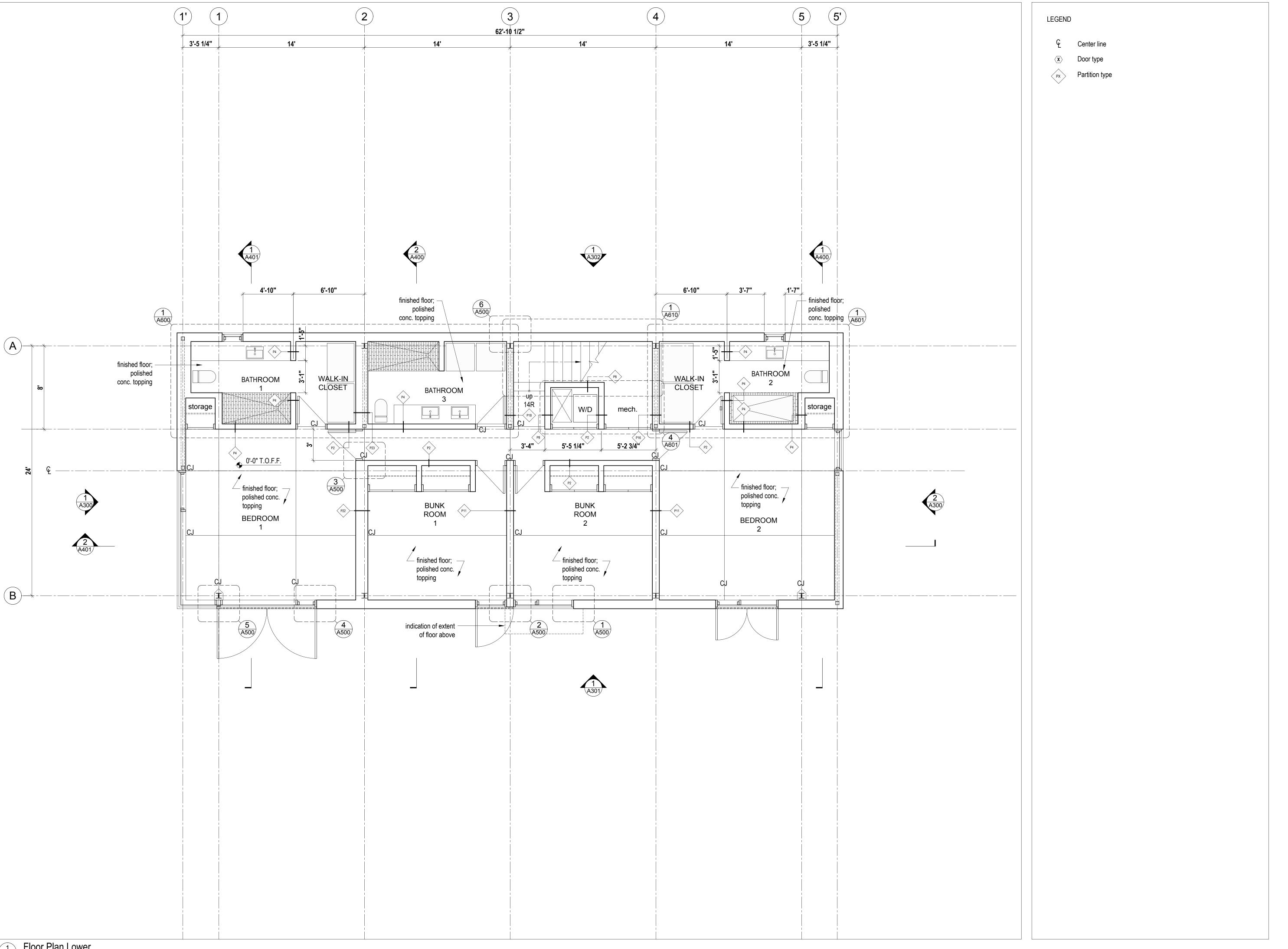
comply with the National Building Code of Canada.

Cabin 2500 -Code Review

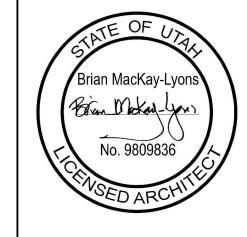
drawn: DP

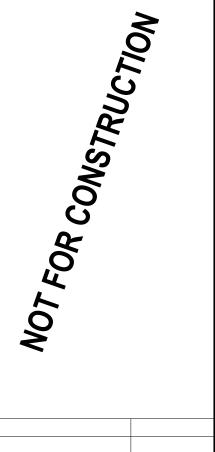
chk'd: BML

of the building.



2188 Gottingen St. Halifax, Nova Scotia Canada B3K 3B4 ph: (902) 429.1867 fax: (902) 429.6276





NOTES:

COPYRIGHT RELATED TO THE USE OF THIS

11 Issued for FDN Permit 14.10.2016

The use of this drawing shall be governed by standard copyright law as generally accepted in architectural

ARCHITECT'S REQUIREMENTS AND APPROVALS: It is the Builder's responsibility to notify MacKay-Lyons Sweetapple Architects Ltd. and to seek prior written approval for materials and workmanship which deviates from instructions provided by the Architect.

ENGINEER'S REQUIREMENTS AND APPROVALS: It is the Builder's responsibility to notify MacKay-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 jurisdication 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.

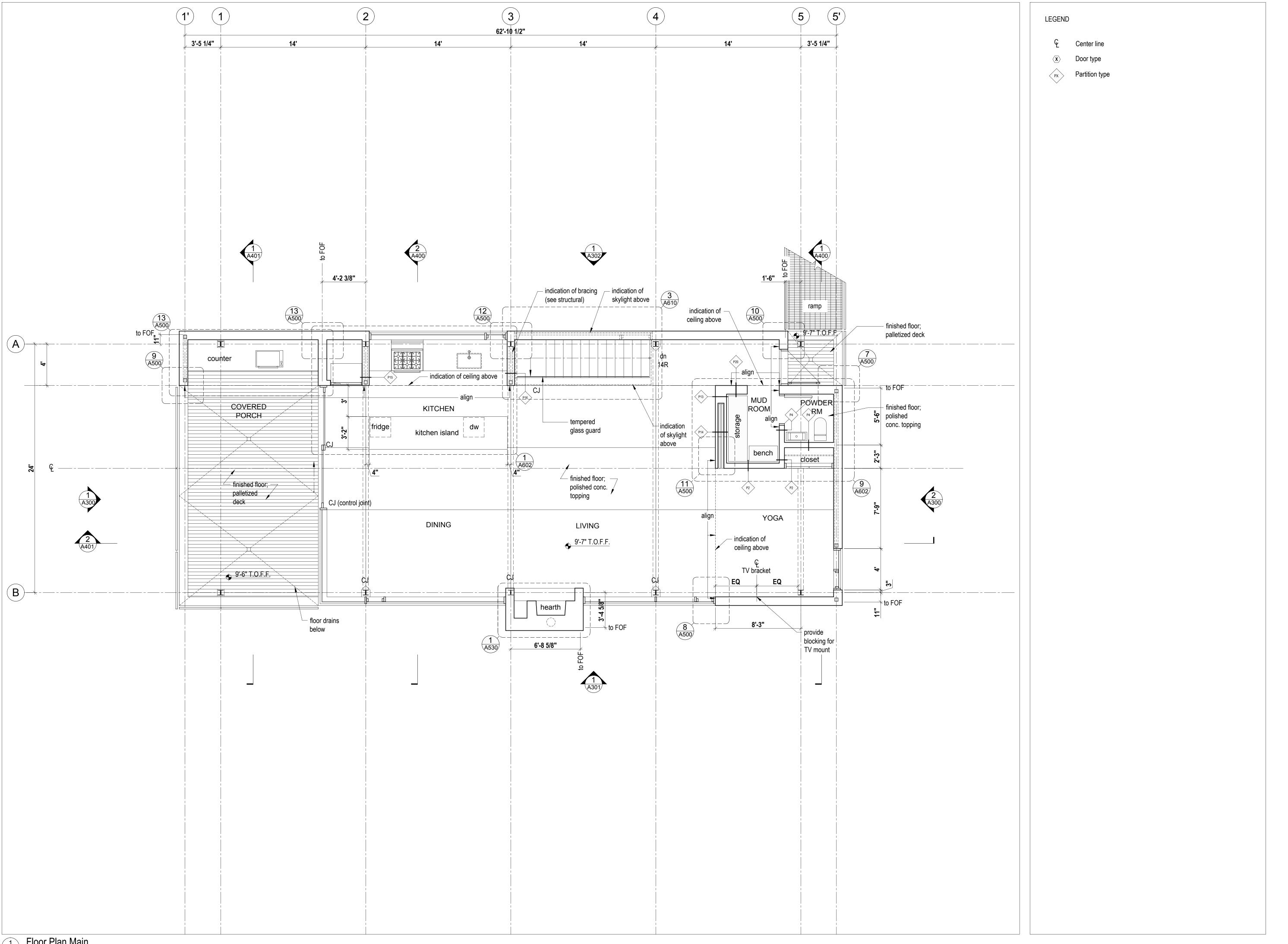
SHOP DRAWINGS: Submit shop drawings to the Architect and Engineer for approval prior to manufacture of prefabricated elements of the building.



date: 16-04-20

drawn: MJ/JL

chk'd: BML



Horizon Neighborhood CABINS

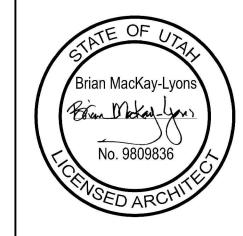
Summit Powder Mountain Eden, Utah

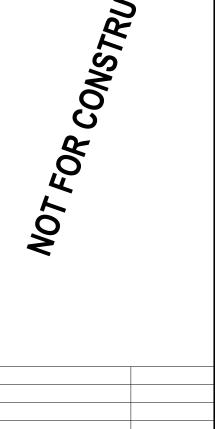
MacKay-Lyons Sweetapple

Architects Limited

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

ph: (902) 429.1867 fax: (902) 429.6276





NOTES:

COPYRIGHT RELATED TO THE USE OF THIS

11 Issued for FDN Permit 14.10.2016

The use of this drawing shall be governed by standard copyright law as generally accepted in architectural practice.

ARCHITECT'S REQUIREMENTS AND APPROVALS:
It is the Builder's responsibility to notify MacKay-Lyons
Sweetapple Architects Ltd. and to seek prior written
approval for materials and workmanship which deviates
from instructions provided by the Architect.

ENGINEER'S REQUIREMENTS AND APPROVALS:
It is the Builder's responsibility to notify MacKay-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 jurisdication 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

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

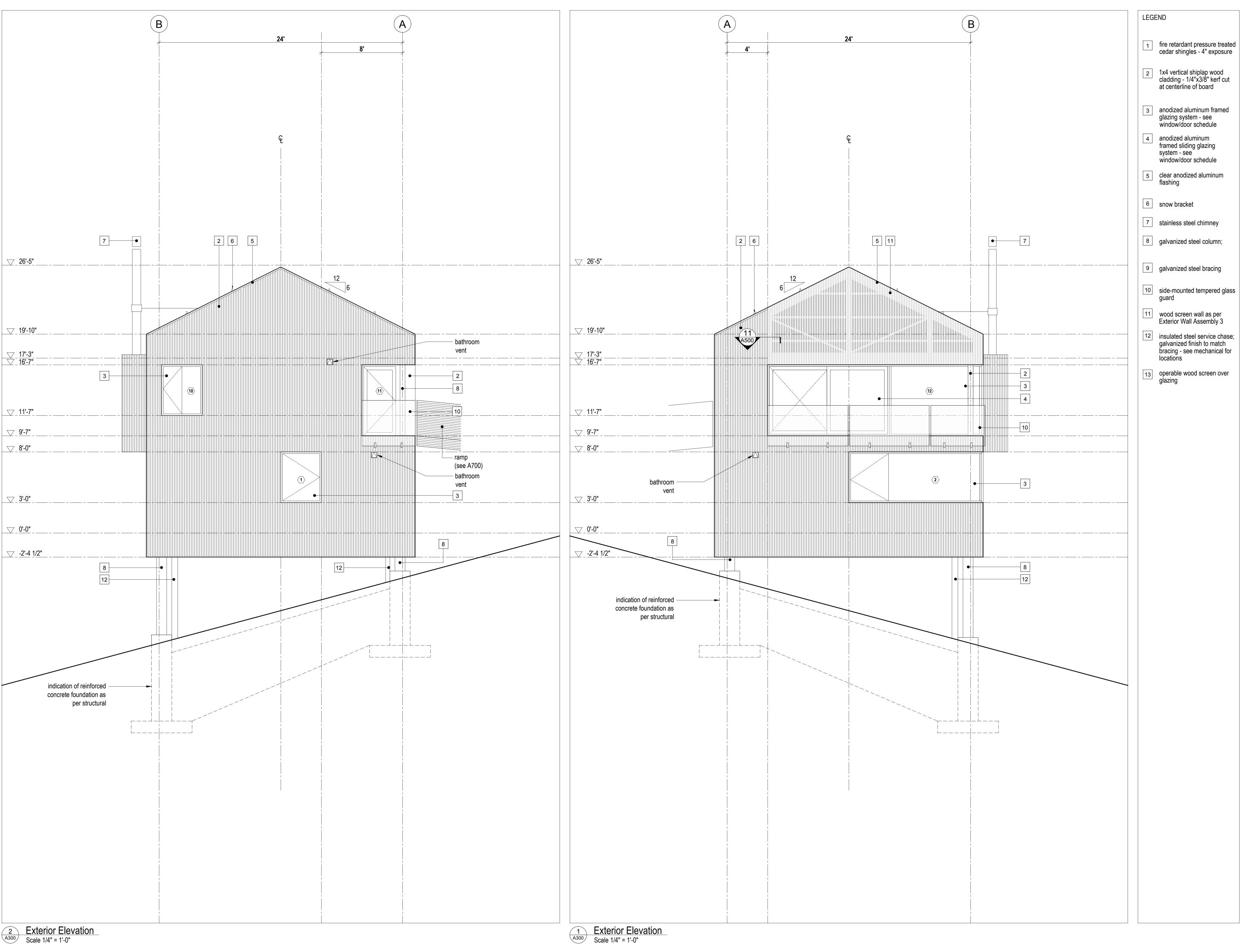
Cabin 2500 -Floor Plans

scale: varies

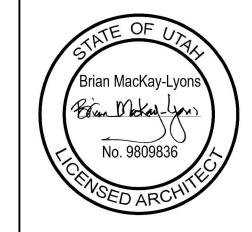
drawn: MJ/JL

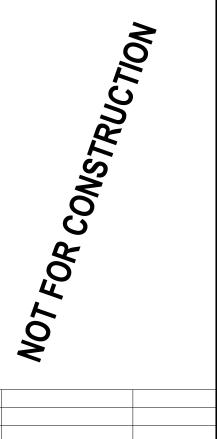
chk'd: BML

A201



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





NOTES:

COPYRIGHT RELATED TO THE USE OF THIS

1 Issued for FDN Permit 14.10.2016

The use of this drawing shall be governed by standard copyright law as generally accepted in architectural

ARCHITECT'S REQUIREMENTS AND APPROVALS: It is the Builder's responsibility to notify MacKay-Lyons Sweetapple Architects Ltd. and to seek prior written approval for materials and workmanship which deviates from instructions provided by the Architect.

ENGINEER'S REQUIREMENTS AND APPROVALS: It is the Builder's responsibility to notify MacKay-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 jurisdication over

the work. It is the Builder's responsibility to gain necessary approval from all relevant Authorities. DIMENSIONS:

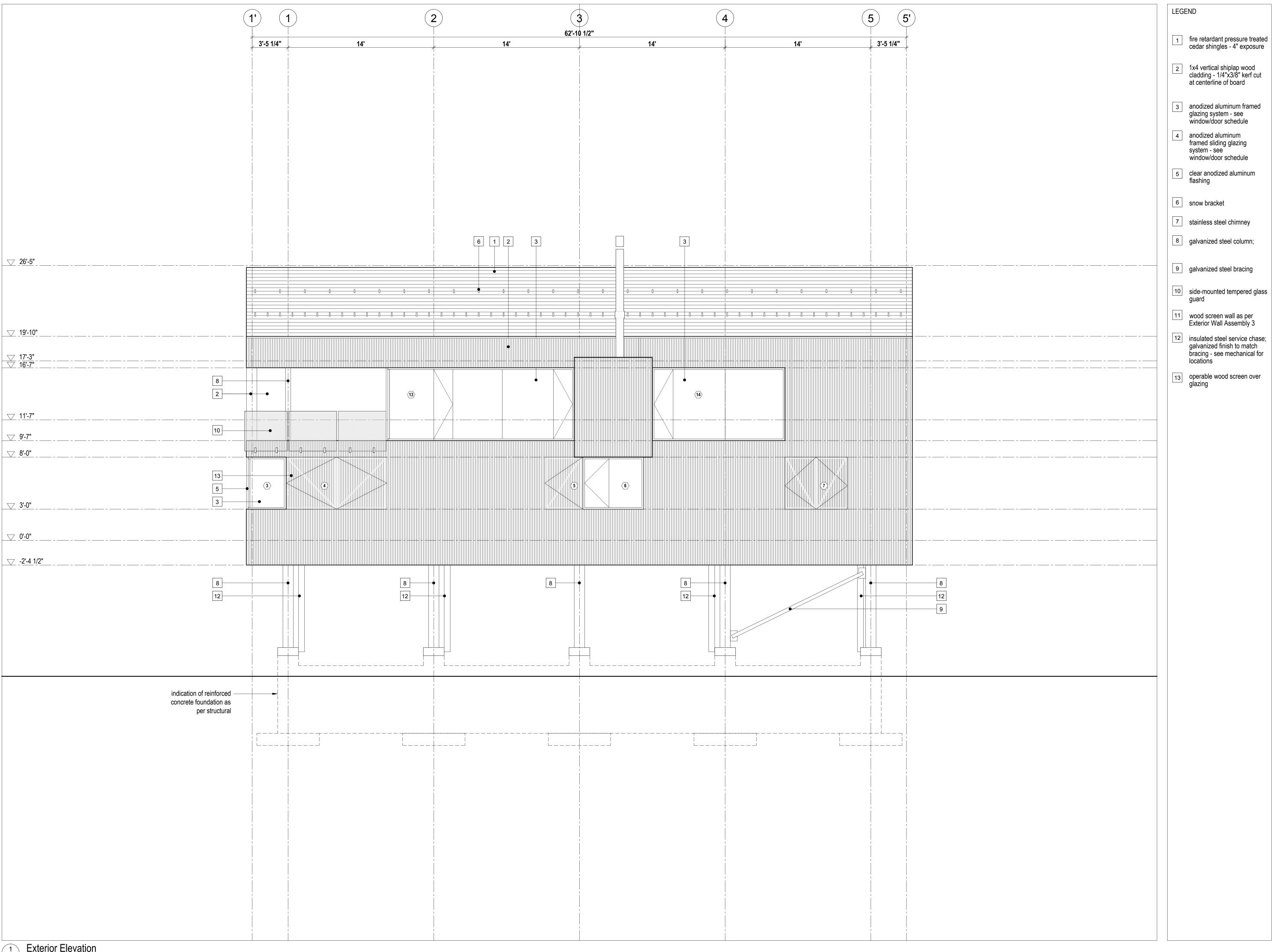
All dimensions must be verified on site. Do not scale off drawings. Plans take precedent over elevations. In the absence of dimensions, or if discrepancies exist, consult Architect. All minimum dimensions are to

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-Exterior Elevations

scale: 1/4" = 1'-0" drawn: MJ/JL



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





COPYRIGHT RELATED TO THE USE OF THIS The use of this drawing shall be governed by standard

11 Issued for FDN Permit 14.10.2016

copyright law as generally accepted in architectural ARCHITECT'S REQUIREMENTS AND APPROVALS:

approval for materials and workmanship which deviates from instructions provided by the Architect. ENGINEER'S REQUIREMENTS AND APPROVALS: It is the Builder's responsibility to notify MacKay-Lyons Sweetapple Architects Ltd. and to seek prior written

It is the Builder's responsibility to notify MacKay-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

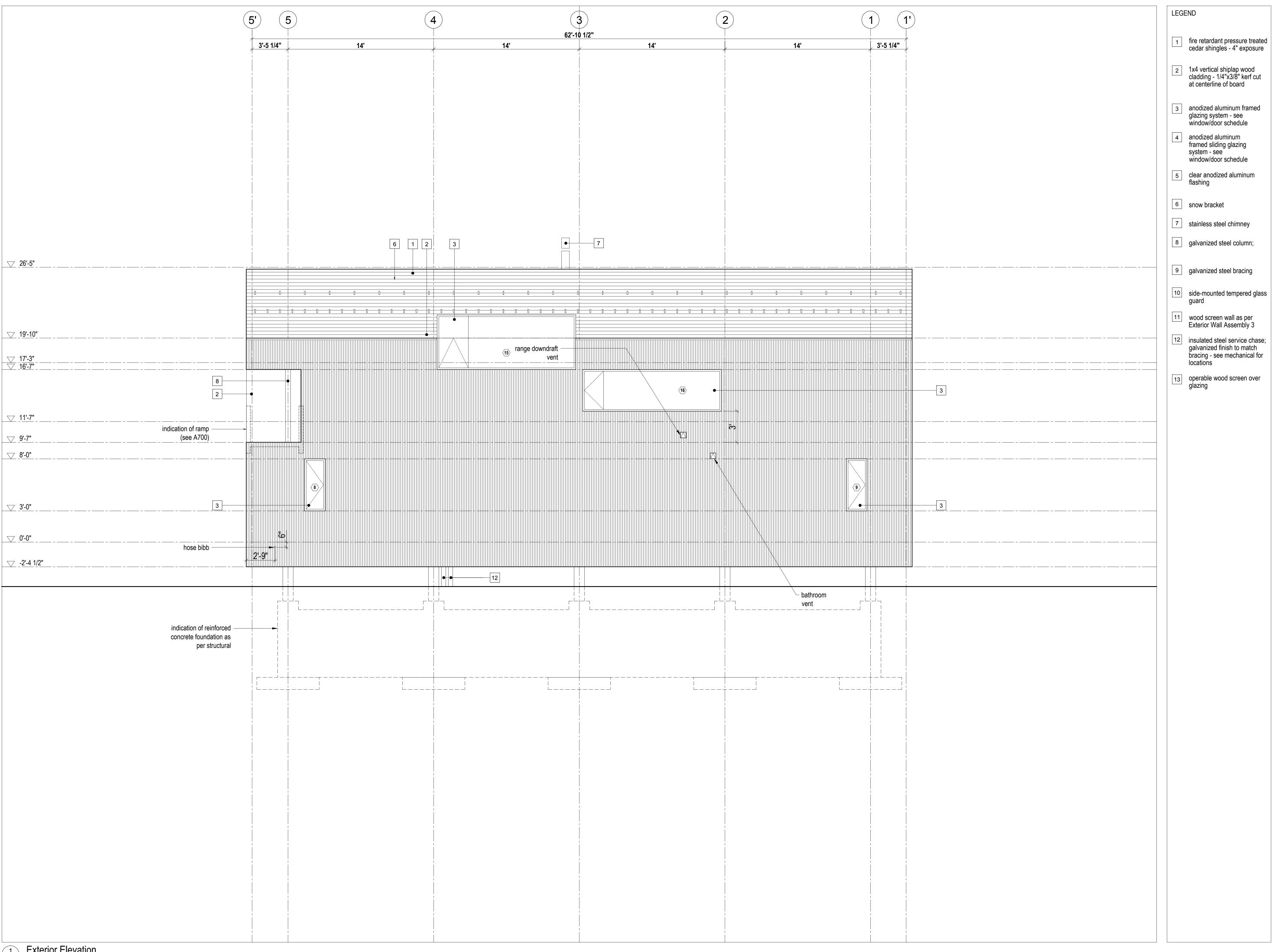
requirements of all authorities having jurisdication over the work. It is the Builder's responsibility to gain necessary approval from all relevant Authorities.

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,

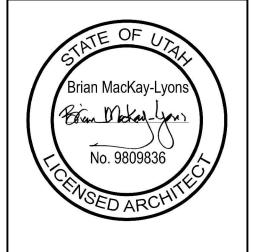
consult Architect. All minimum dimensions are to comply with the National Building Code of Canada.

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

scale: 1/4" = 1'-0"



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





COPYRIGHT RELATED TO THE USE OF THIS The use of this drawing shall be governed by standard copyright law as generally accepted in architectural

ARCHITECT'S REQUIREMENTS AND APPROVALS: It is the Builder's responsibility to notify MacKay-Lyons Sweetapple Architects Ltd. and to seek prior written approval for materials and workmanship which deviates from instructions provided by the Architect.

ENGINEER'S REQUIREMENTS AND APPROVALS: It is the Builder's responsibility to notify MacKay-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 jurisdication over

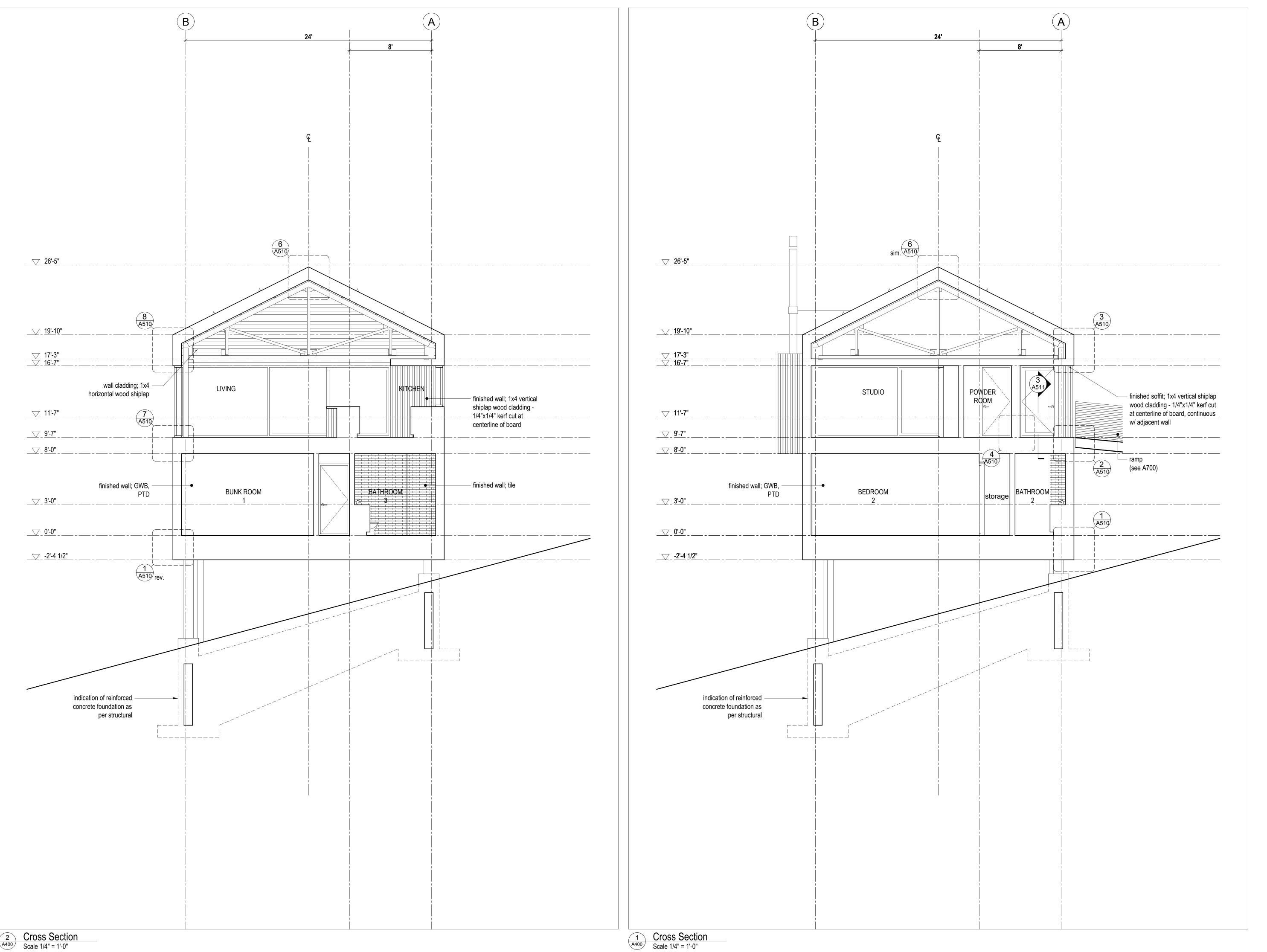
the work. It is the Builder's responsibility to gain necessary approval from all relevant Authorities. DIMENSIONS:

All dimensions must be verified on site. Do not scale off

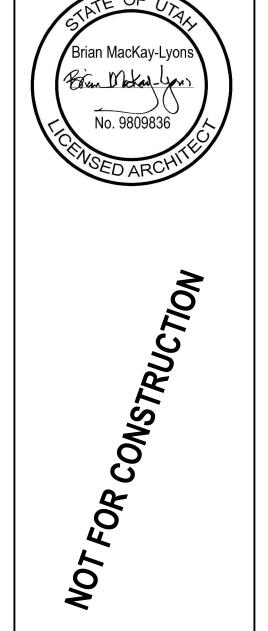
drawings. Plans take precedent over elevations. In the absence of dimensions, or if discrepancies exist, consult Architect. All minimum dimensions are to comply with the National Building Code of Canada.

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

scale: 1/4" = 1'-0"



MacKay-Lyons Sweetapple 2188 Gottingen St. Halifax, Nova Scotia Canada B3K 3B4 ph: (902) 429.1867 fax: (902) 429.6276



11 Issued for FDN Permit 14.10.2016

COPYRIGHT RELATED TO THE USE OF THIS

The use of this drawing shall be governed by standard copyright law as generally accepted in architectural practice.

ARCHITECT'S REQUIREMENTS AND APPROVALS: It is the Builder's responsibility to notify MacKay-Lyons Sweetapple Architects Ltd. and to seek prior written approval for materials and workmanship which deviates from instructions provided by the Architect.

ENGINEER'S REQUIREMENTS AND APPROVALS: It is the Builder's responsibility to notify MacKay-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 jurisdication over the work. It is the Builder's responsibility to gain necessary approval from all relevant Authorities.

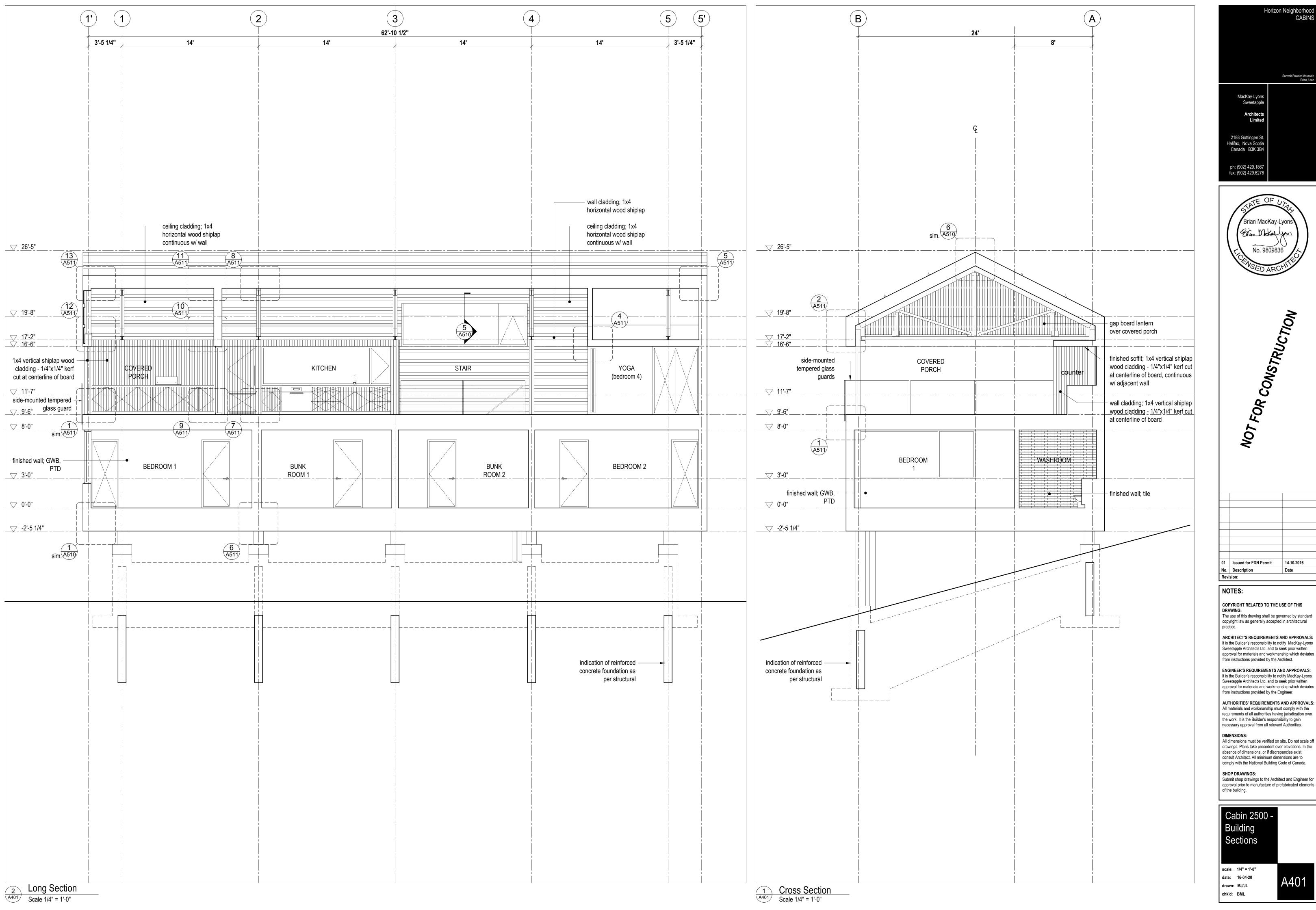
DIMENSIONS:

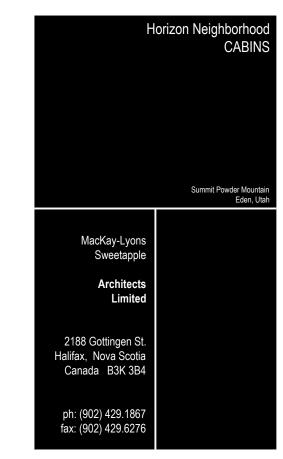
All dimensions must be verified on site. Do not scale off drawings. Plans take precedent over elevations. In the absence of dimensions, or if discrepancies exist, consult Architect. All minimum dimensions are to comply with the National Building Code of Canada.

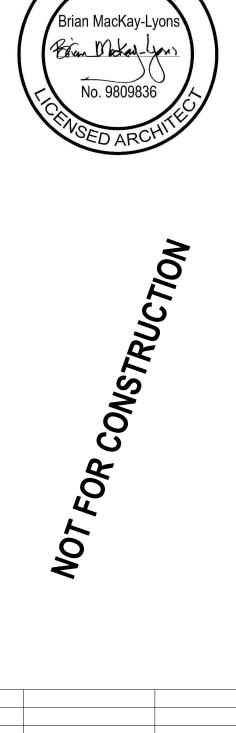
SHOP DRAWINGS:
Submit shop drawings to the Architect and Engineer for approval prior to manufacture of prefabricated elements of the building.

Cabin 2500

scale: 1/4" = 1'-0" drawn: MJ/JL







COPYRIGHT RELATED TO THE USE OF THIS

The use of this drawing shall be governed by standard copyright law as generally accepted in architectural

ARCHITECT'S REQUIREMENTS AND APPROVALS: It is the Builder's responsibility to notify MacKay-Lyons Sweetapple Architects Ltd. and to seek prior written approval for materials and workmanship which deviates from instructions provided by the Architect.

ENGINEER'S REQUIREMENTS AND APPROVALS: It is the Builder's responsibility to notify MacKay-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 jurisdication over the work. It is the Builder's responsibility to gain necessary approval from all relevant Authorities.

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.



scale: 1/4" = 1'-0"

010000 GENERAL

- CONFORM TO THE REQUIREMENTS OF THE BUILDING CODE OF IBC 2015, LATEST EDITION, AND ALL OTHER APPLICABLE LOCAL CODES AND REGULATIONS OF AGENCIES HAVING
- READ STRUCTURAL DRAWINGS IN CONJUNCTION WITH THE SPECIFICATIONS AND ALL OTHER
- CONTRACT DOCUMENTS.
- BEFORE PROCEEDING WITH WORK, CHECK ALL THE DIMENSIONS SHOWN ON THE STRUCTURAL DRAWINGS WITH THE ARCHITECTURAL, MECHANICAL AND ELECTRICAL
- DRAWINGS AND REPORT DISCREPANCIES TO THE CONSULTANT. REFER TO THE ARCHITECTURAL AND OTHER DRAWINGS FOR LOCATIONS AND DIMENSIONING OF OPENINGS AND SLEEVES NOT SHOWN ON THE STRUCTURAL DRAWINGS. HOWEVER, OBTAIN THE CONSULTANT'S PRIOR APPROVAL BEFORE INSTALLING OPENINGS, SLEEVES, ETC.
- WHICH ARE NOT SHOWN ON STRUCTURAL DRAWINGS. SEE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATIONS OF PITS, BASES, SUMPS, TRENCHES, DEPRESSIONS, GROOVES, CURBS, CHAMFERS AND SLOPES NOT
- SHOWN ON STRUCTURAL DRAWINGS. HORIZONTAL AND VERTICAL DESIGN LOADS ARE NOTED. THEY SHALL NOT BE EXCEEDED
- DURING CONSTRUCTION. TYPICAL STRUCTURAL DETAILS SHALL GOVERN THE WORK. IF DETAILS DIFFER ON THE
- DRAWINGS, THE MOST STRINGENT SHALL GOVERN. ALL TEMPORARY WORKS INCLUDING SHORING ARE TO BE PROVIDED BY THE CONTRACTOR. SEE SPECIFICATIONS FOR DETAILED REQUIREMENTS.

010001 DESIGN NOTES

- ALL REINFORCED CONCRETE ELEMENTS HAVE BEEN DESIGNED IN ACCORDANCE WITH ACI
- BUILDING CODE, ACI 318-14. ALL STRUCTURAL STEEL ELEMENTS HAVE BEEN DESIGNED IN ACCORDANCE WITH AISC 'SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS' - LATEST EDITION AND ALL CURRENT
- ALL STRUCTURAL TIMBER ELEMENTS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE LATEST EDITION OF THE FOLLOWING SPECIFICATIONS AND THE CODES, RULES, AND
- REGULATIONS OF THE STATE OF UTAH: AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (AITC).
- NATIONAL FOREST PRODUCTS ASSOCIATION "DESIGN SPECIFICATIONS FOR STRESS GRADE LUMBER"
- U.S. DEPT. OF COMMERCE STANDARD CS 253.
- AMERICAN PLYWOOD ASSOCIATION.
- LATERAL FORCES ON STRUCTURAL FRAME
- A. THE LATERAL FORCES ARE RESISTED BY THE WOOD FRAME SHEARWALLS, MOMENT
- FRAMES, STEEL BRACING, AND CONCRETE FOUNDATION WALLS. THE FRAME IS NOT STABLE UNTIL THE LATERAL LOAD RESISTING SYSTEM IS IN PLACE.
- I) THE DESIGN OF THE STRUCTURE FOR WIND IS BASED ON A BASIC WIND SPEED (3 SECOND GUST) OF 115 MPH.
- THE IMPORTANCE FACTOR, IW, FOR WIND DESIGN IS 1.
- WIND EXPOSURE: C IV) THE DESIGN WIND FORCES HAVE BEEN CALCULATED IN ACCORDANCE WITH THE
- SIMPLIFIED WIND LOAD METHOD BY SECTION 1609.6 OF IBC 2015. D. FARTHQUAKE
- THE DESIGN OF THE STRUCTURE FOR EARTHQUAKE IS BASED ON:
 - IE = 1.0
 - SEISMIC RISK CATEGORY = 2 SS = .898
 - S1 = .304SITE CLASS = D
 - SDS = 0.683
 - SD1 = 0.363
 - SEISMIC DESIGN CATEGORY = D
- RESPONSE MODIFICATION FACTOR, R = 3.25 THE DESIGN EARTHQUAKE FORCES HAVE BEEN CALCULATED USING THE
- SIMPLIFIED PROCEDURE BY SECTION 1617.5 OF IBC 2015. 5. LATERAL FORCES ON FOUNDATION WALLS
- A. WALLS RETAINING EARTH ARE DESIGNED TO SAFELY WITHSTAND A HORIZONTAL PRESSURE AT ANY DEPTH (H) GIVEN BY THE EXPRESSION:
- P = K (G H + Q), WHERE
 - P IS THE PRESSURE EXERTED HORIZONTALLY H IS THE DEPTH BELOW GRADE
 - G IS THE UNIT WEIGHT OF SOIL
- Q IS THE SURCHARGE ON THE GROUND SURFACE B. FOUNDATION AND OTHER WALLS RETAINING EARTH HAVE BEEN DESIGNED FOR
- SURCHARGE OF 100PSF THE WALLS HAVE BEEN DESIGNED ASSUMING THAT THERE IS FREE-DRAINING BACKFILL,
- OR THAT OTHER PROVISIONS HAVE BEEN MADE. SUCH THAT THE WALLS ARE NOT SUBJECT TO HYDROSTATIC PRESSURE.
- 6. SNOW LOADS ON ROOFS
- THE ROOFS HAVE BEEN DESIGNED FOR A ROOF SNOW LOAD OF 192PSF. ADDITIONAL SNOW ACCUMULATIONS ADJACENT TO HIGHER WALLS, ROOFS AND
- MECHANICAL UNITS ARE INDICATED ON THE DRAWINGS. WIND UPLIFT OF ROOFS
- A. ALL ROOF ELEMENTS, AND ITS CONNECTION TO THE STRUCTURE ARE TO BE DESIGNED FOR AN UPWARD SUCTION OF 20 psf. DUE TO WIND.
- LIVE AND OTHER LOADS A. SEE NOTES BELOW FLOOR PLANS.
- FUTURE EXTENSIONS
- THE STRUCTURE HAS NOT BEEN DESIGNED FOR ANY FUTURE EXTENSIONS

030000 CONCRETE

- MATERIALS A. CONCRETE
 - CONFORM TO THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE AND ACI 318 AND THE FOLLOWING FOR STRENGTH, WATER-TO-CEMENTING MATERIALS
 - CONTENT AND AIR CONTENT ii) NOMINAL MAXIMUM SIZE OF AGGREGATE SHALL BE 3/4 in. USE SMALLER
 - AGGREGATES AS APPROPRIATE IN AREAS OF CONGESTED REINFORCING STEEL OR TO IMPROVE WORKABILITY. MODIFY MIX DESIGNS TO SUIT.

CATEGORY	DESCRIPTION	EXPOSURE CLASS PER A23.1	CONCRETE STRENGTH fc (psi)	SLUMP¹ (in)	MAX. W/C RATIO	AIR CONTENT ²	SCOPE
CM 1	FOUNDATION MIX		3500	3 1/8		5%- 8%	FOOTINGS AND CAPS
CM 2	SLAB ON GRADE MIX		3000	3 1/8			SLABS ON GRADE
CM 4	COLUMN AND WALL MIX		4500	3 1/8			CONCRETE COLUMNS AND WALLS NOT EXPOSED TO FREEZE THAW OR DE-ICING CHEMICALS
CM 5	TOPPING MIX		3000	1 1/2			TOPPINGS ON CONCRETE.
CM 6	COMPOSITE DECK MIX		3000	2 3/8			SLABS ON METAL DECK
CM 7	PARKING SLAB AND BEAM MIX	C-1 ³	5000	3 1/8	0.40	5%- 8%	FOUNDATION WALLS ADJACENT TO PAVING. FRAMED SLABS AND BEAMS EXPOSED TO DE-ICING CHEMICALS.
CM 8	PAVING MIX	C-2	4700	2 3/8	0.45	5%- 8%	EXTERIOR PAVING AND SIDWALKS
CM 11	EXTERIOR WALL MIX	F-2	3500	3 1/8	0.55	4%- 7%	FOUNDATION WALLS AND OTHER WALLS EXPOSED TO FREEZE THAW BUT NOT EXPOSED TO DE-ICING CHEMICALS
CM 12	LEAN MIX		6 max. ⁴	6-8		4-6% (EXTE RIOR ONLY)	UNSHRINKABLE FILL
CM 13	SELF CONSOLIDATI NG MIX		4500	SLUMP FLOW			

1. TOLERANCE FOR SLUMP SHALL BE +/- ¾" FOR SPECIFIED SLUMP 3 1/8" OR LESS, AND +/- 1 1/4" FOR SPECIFIED SLUMP BETWEEN 3 1/8" AND 6 5/8"

2. WHERE AGGREGATES SMALLER THAN 9/16 in ARE USED, INCREASE AIR CONTENT BY 1 % 3. CONCRETE EXPOSED TO DE-ICING CHEMICALS TO HAVE DCI CORROSION INHIBITOR @

11L/cu.m. (0.31L/cu.f.) DOSAGE OR APPROVED EQUIVALENT 4. MAX 25kg CEMENT/cu.m.

B. REINFORCEMENT:

- CONFORM TO THE REQUIREMENTS OF ASTM A615, AND ASTM A706 IF WELDABLE REINFORCEMENT IS USED.
- REINFORCING BARS SHALL BE MINIMUM ASTM A615 GRADE 60, AND WELDED WIRE FABRIC SHALL BE MINIMUM ASTM A185, SUPPLY IN FLAT SHEETS.
- EXECUTION A. SLAB ON GRADE PLACE SLABS ON GRADE ON MATERIAL CAPABLE OF SUSTAINING 500psf WITHOUT
 - SETTLEMENT RELATIVE TO THE BUILDING FOOTINGS. BEFORE PLACING SLAB, PLACE MINIMUM 6 INCHES OF 3/4 INCH MAXIMUM SIZE
- CLEAR CRUSHED STONE OVER THE SUB GRADE. THOROUGHLY ROLL AND CONSOLIDATE TO THE LINES AND LEVELS REQUIRED. B CONCRETE AND REINFORCEMENT
- PROVIDE DOWELS TO WALLS AND COLUMNS SIMILAR IN NUMBER, SIZE, AND SPACING TO THE VERTICAL STEEL IN THE WALL OR COLUMN EXCEPT WHEN NOTED
- ii) CONSTRUCTION JOINTS: PROVIDE 1.5 in x 3.5 in KEYS AT CONSTRUCTION JOINTS UNLESS NOTED
- CONCRETE COVER TO REINFORCEMENT: CONFORM TO THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE AND ACI 318 AND THE FOLLOWING FOR COVER TO REINFORCEMENT (in):

	EXPOSURE					
REINFORCING	NOT EXPOSED	EARTH OR WEATHER	CHLORIDES			
CAST AGAINST & PERMANENTLY EXPOSED TO EARTH		3	3			
SLABS, WALLS	3/4	2	2½			

CONCRETE PROTECTED BY A WATERPROOFING MEMBRANE IS NOT TO BE CONSIDERED EXPOSED TO CHLORIDES BUT MAY BE CONSIDERED EXPOSED TO WEATHER.

- iv) SECURELY TIE IN PLACE AND ADEQUATELY SUPPORT ALL REINFORCEMENT. LAP
- ALL BARS MARKED "CONTINUOUS" (CONT.) 40 BAR DIAMETERS. WHERE EXPANSION ANCHORS ARE REQUIRED, USE 5/8" DIA. X 6" HILTI KB II OR APPROVED EQUAL.
- vi) WHERE CHEMICAL ANCHORS ARE REQUIRED, USE HILTI HY 150 EPOXY, OR APPROVED EQUAL.

310000 FOUNDATIONS

- A SOIL INVESTIGATION HAS BEEN DONE BY IGES AS REPORTED IN THER SOIL REPORT "GEOTECHNICAL AND GEOLOGIC HAZARD INVESTIGATION - HORIZON NEIGHBOURHOOD DEVELOPMENT, SUMMIT POWDER MOUNTAIN RESORT" DATED AUGUST 3RD 2016. READ THIS
- REPORT, AND BE THOROUGHLY FAMILIARIZED WITH THEIR FINDINGS. FOUND ALL FOOTINGS ON ENGINEERED FILL CAPABLE OF SAFELY SUSTAINING AN ALLOWABLE BEARING VALUE OF 2600 PSF.
- FOUND FOOTINGS EXPOSED TO FREEZING BELOW THE LEVEL AT WHICH POTENTIAL DAMAGE RESULTING FROM FROST ACTION CAN OCCUR, BUT A MINIMUM OF 40 INCHES BELOW FINISHED
- GRADE IF NOT NOTED TO BE FOUNDED LOWER. THE LINE OF SLOPE BETWEEN ADJACENT FOOTINGS OR EXCAVATIONS OR ALONG STEPPED FOOTINGS SHALL NOT EXCEED A RISE OF 7 IN A RUN OF 10.
- DO NOT PLACE BACKFILL AGAINST WALLS RETAINING EARTH (OTHER THAN CANTILEVER WALLS) UNTIL THE FLOOR CONSTRUCTION AT TOP AND BOTTOM OF THE WALLS IS POURED AND HAS ATTAINED 70% OF ITS SPECIFIED STRENGTH.
- CARRY OUT BACKFILLING AGAINST FOUNDATION WALLS WHERE THERE IS GRADE ON BOTH SIDES IN SUCH A MANNER THAT THE LEVEL OF BACKFILLING ON ONE SIDE OF THE WALL IS NEVER MORE THAN 1'-8" DIFFERENT FROM THE LEVEL ON THE OTHER SIDE OF THE WALL.

050000 STRUCTURAL STEEL:

- CONFORM TO THE REQUIREMENTS OF THE AISC "SPECIFICATIONS FOR STRUCTURAL STEEL FOR BUILDINGS" - LATEST EDITION AND ALL CURRENT SUPPLEMENTS.
- MATERIALS CHANNEL AND WIDE FLANGE SHAPES - CONFORM TO THE REQUIREMENTS OF ASTM A992
- TUBE MEMBERS CONFORM TO THE REQUIREMENTS OF ASTM A500 GRADE B
- BOLTS, NUTS AND WASHERS A325
- ALL OTHER CONFORM TO THE REQUIREMENTS OF ASTM A36 METAL DECK: - CONFORM TO THE REQUIREMENTS OF AISC 325 AND AISC 360, DESIGN
- ALL ELEMENTS WITH THE LATEST PUBLISHED VERSION OF APPLICABLE CODES. ALL WELDING ELECTRODES ARE E70XX, LOW HYDROGEN.
- G. ALL STRUCTURAL STEEL EXPOSED TO VIEW SHALL BE DESIGNATED AS ARCHITECTURALLY EXPOSED AESS CATEGORY 1
- EXECUTION A. PROVIDE A MINIMUM BEARING OF 8 INCHES FOR ALL STEEL BEAMS BEARING ON
- MASONRY AND A MINIMUM OF 4 INCHES ON STRUCTURAL STEEL, UNLESS NOTED
- B. CENTRE BEARING PLATES UNDER BEAMS, OR AS NOTED. BEARING PLATE DIMENSION GIVEN FIRST INDICATES SIDE PARALLEL TO BEAM WEB. NO STRUCTURAL STEEL SHALL BE CUT WITHOUT THE PERMISSION OF THE CONSULTANT.
- WHERE COLUMNS ARE STABILIZED BY WALLS PROVIDE COLUMN ANCHORS AT ABUTTING WALLS. PROVIDE TEMPORARY BRACING UNTIL WALLS ARE BUILT TIGHT TO COLUMNS. PROVIDE FULL HEIGHT WEB STIFFENERS AT ALL BEAMS BEARING ON COLUMNS AND ALL BEAMS SUPPORTING COLUMNS. WEB STIFFENERS SHALL BE OF THE SAME SIZE AND THICKNESS AS THE COLUMN FLANGES AND SHALL ALIGN WITH THE FLANGES OF THE
- SUPPORTING COLUMN. G. ALL WELDING WORK BY AWS CERTIFIED WELDERS, CONFORM TO THE AMERICAN
- WELDING SOCIETY CODE AWS D1.1. ALL FIELD WELDING BY THE MANUAL SHIELDED ARC WELDING METHOD.
- PROVIDE A MINIMUM OF FOUR 3/4" DIAMETER ASTM A325 BOLTS PER CONNECTION, IN BEARING TYPE CONNECTION. WHERE A WELD IS REQUIRED, AND NO WELD IS SHOWN ON THE DRAWINGS, PROVIDE A

1/4" FILLET WELD ALL AROUND. UNLESS A LARGER WELD SIZE IS REQUIRED AS A

MINIMUM WELD SIZE BY AISC. K. USE AWS PRE-QUALIFIED COMPLETE JOINT PENETRATION GROOVE WELDS FOR ALL GROOVE WELDS.

060000 WOOD

- 1) ALL LUMBER WORK AND MATERIALS SHALL CONFORM TO THE LATEST EDITION OF THE FOLLOWING SPECIFICATIONS AND THE CODES, RULES, AND REGULATIONS OF THE STATE OF
- a) AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (AITC)
- b) NATIONAL FOREST PRODUCTS ASSOC. "DESIGN SPECIFICATIONS FOR STRESS GRADE
- c) U.S. DEPT. OF COMMERCE STANDARD CS 253. AMERICAN PLYWOOD ASSOCIATION. 2) LUMBER FOR ALL INTERIOR STRUCTURAL FRAMING, INCLUDING ROOF FRAMING, JOISTS, POSTS, STUDS, SILLS, CAP PLATES, WOOD BEARING PLATES, AND BLOCKING, SHALL BE
- SURFACE DRY AND USED AT MAXIMUM 19 % MOISTURE CONTENT WITH THE FOLLOWING MINIMUM BASE DESIGN VALUES FOR VISUALLY GRADED DIMENSION LUMBER: BENDING: Fb = 850 psi
- HORIZONTAL SHEAR: Fv = 95 psi
- COMP. PERPENDICULAR TO GRAIN: Fc = 625 psi
- iv) COMP PARALLEL TO GRAIN: Fc = 1300 psi MODULUS OF ELASTICITY: E = 1600000 psi
- ALL VALUES SHALL BE ADJUSTED WITH APPROPRIATE ADJUSTMENT FACTORS AS PER THE NDS SUPPLEMENT
- USE DOUBLE MEMBERS AT ALL JAMBS AND HEADS OF ALL OPENINGS. USE DOUBLE JOISTS (MIN.) BELOW ALL NON-BEARING STUD WALLS PARALLEL TO SPANS AND PROVIDE SOLID BLOCKING BETWEEN JOISTS BELOW ALL NON-BEARING STUD WALLS PERPENDICULAR TO JOIST SPANS. USE DOUBLE SILLS AND CAP PLATES FOR ALL BEARING WALLS.
- 4) SAWN LUMBER SPECIES - SPRUCE-PINE-FIR
- GRADE No.1/No.2 5) PLYWOOD SHEATHING
- i) FLOOR AND ROOF SHEATHING TO BE TONGUE AND GROOVE
- ii) EXTERIOR SHEATHING SHALL CONSIST OF $\frac{1}{2}$ " EXPOSURE 1 GRADE PLYWOOD FASTENED TO STUDS WITH 8d NAILS AT 6" O/C MAX. 6) CONNECTIONS
 - ALL WOOD TO WOOD CONNECTIONS OR WOOD TO STEEL CONNECTIONS UNLESS OTHERWISE NOTED ARE TO BE THE APPROPRIATE SIMPSON STRONG-TIE HANGER OR APPROVED OTHERWISE.
 - NAILS ARE TO CONFORM TO THE REQUIREMENTS OF ASTM F 1667.
 - LAG SCREWS ARE TO CONFORM TO THE REQUIREMENTS OF ASTM B18.2.1 WOOD SCREWS ARE TO CONFORM TO THE REQUIREMENTS OF ASTM B18.6.1.
- ALL LAG BOLTS, THRU BOLTS AND OTHER HARDWARE TO BE HOT DIPPED GALVANIZED. ALL LAG BOLTS SHALL HAVE SHARP THREADS FOR AT LEAST ONE-HALF THE TOTAL BOLT LENGTH, UP TO 152 mm (6") THREADED LENGTH. LAG BOLT WITH DULL THREADS,
- OR INSUFFICIENT THREADED LENGTH, WILL BE REJECTED OUTRIGHT. vii) UNLESS OTHERWISE APPROVED BY THE CONSULTANT, ALL NAILS ARE TO HAVE FULL ROUND HEADS; CLIPPED HEAD NAILS ARE NOT ACCEPTABLE.
- EXECUTION a. PROTECT ALL WOOD PRODUCTS FROM DAMAGE AND STAINING DUE TO WETTING AND
- MOISTURE. PROTECT INSTALLED DECKING AND SHEATHING FROM EXCESSIVE MOISTURE UNTIL FINAL WATERPROOFING IS COMPLETE. ENSURE SURFACES THAT ARE TO RECEIVE FINISHES MEET MANUFACTURERS REQUIREMENTS FOR MAXIMUM MOISTURE CONTENT FOR THE FINISH
- DIMENSION LUMBER WITH SMALLER NOMINAL DIMENSION OF 2 INCHES ("2-BY-") PRESERVATIVE TREATED FOR EXTERIOR APPLICATIONS SHALL NOT BE INCISED. IF INCISED LUMBER IS TO BE USED, CONFIRM MEMBER SIZES WITH THE ENGINEER PRIOR TO
- CONSTRUCTION. d. ALL JOISTS, LINTELS AND BUILT-UP BEAMS COMPRISED OF "2-BY- " SAWN LUMBER MUST BEAR FULLY 38mm MINIMUM ON THE SUPPORT SURFACE, IF HANGERS ARE USED, THEY MUST ADEQUATELY SUPPORT THE FULL SHEAR CAPACITY OF THE MEMBER, UNLESS NOTED OTHERWISE.
- e. ENGINEERED WOOD TRUSSES THE WOOD TRUSS SUPPLIER IS RESPONSIBLE FOR THE DESIGN OF ALL TEMPORARY
 - AND PERMANENT BRACING REQUIRED FOR THE STABILITY OF THE TRUSSES. ERECT TRUSSES IN CONFORMANCE WITH THE GUIDELINES PRODUCED BY TPIC IN THE
- DOCUMENT "HANDLING, ERECTION AND BRACING OF WOOD TRUSSES" BRACING OF TRUSSES FOR STABILITY MUST BE TERMINATED IN A DIAPHRAGM OR SHEAR WALL. BRACING IS NOT TO BE TIED INTO MID-HEIGHT OF A WALL OR IN ANY LOCATION THAT RESULTS IN BENDING OF STRUCTURAL MEMBERS.

010003 NOTABLE SUBMITTALS

- 1. GENERAL REVIEW BY COMPONENT ENGINEERS
- a. COMPONENT ENGINEERS ARE RESPONSIBLE FOR GENERAL REVIEW OF CONSTRUCTION FOR THE PORTION OF THE WORK PREPARED UNDER THEIR
- PROFESSIONAL SEALS. THEY SHALL PROVIDE;
- REPORTS FOR EACH SITE VISITE A PROJECT COMPLETION NOTICE
- b. ENGINEERED COMPONENTS INCLUDE: *PRECAST CONCRETE, *OPEN WEB STEEL JOISTS, *METAL DECK, *STEEL CONNECTIONS, *WOOD CONNECTIONS, *PRE-ENGINEERED STEEL BUILDINGS, *DEEP FOUNDATIONS, *MISCELLANEOUS METALS, *STRUCTURAL GLASS, *WIND BEARING METAL STUD WALLS, *LOAD BEARING METAL STUD WALLS, *ROD AND CABLE SYSTEMS, *HELICAL PIERS,

*GEOPIERS, *MICROPILES. 010004 SUBMITTALS

- 1 GEOMETRY
 - SUBMIT SURVEY RECORDS CONFIRMING THAT THE BUILT GEOMETRY MATCHES
- THE DESIGN GEOMETRY.

NON STANDARD CONNECTIONS.

- 2. CONCRETE AND REINFORCEMENT a. SUBMIT REINFORCING PLACING DRAWINGS AND BAR LISTS FOR REVIEW BY THE
- CONSULTANT. PROVIDE TEST CYLINDERS IN ACCORDANCE WITH APPLICABLE ASTM
- STANDARDS STRUCTURAL STEEL
 - DESIGN DETAILS, CONNECTIONS, AND THE LIKE IN ACCORDANCE WITH THE IBC AND AISC FOR THE FORCES SHOWN ON THE DRAWINGS. SUBMIT SKETCHES AND DESIGN CALCULATIONS STAMPED AND SIGNED BY QUALIFIED PROFESSIONAL ENGINEER LICENSED IN PROVINCE OF ONTARIO FOR
 - CONSULTANT. ENSURE FABRICATOR DRAWINGS SHOWING DESIGNED ASSEMBLIES, COMPONENTS AND CONNECTIONS ARE STAMPED AND SIGNED BY QUALIFIED PROFESSIONAL ENGINEER LICENSED IN THE STATE OF UTAH.

SUBMIT SHOP, ERECTION, AND SETTING DRAWINGS FOR REVIEW BY THE

THIS DRAWING IS THE PROPERTY OF BLACKWELL AND MAY NOT BE REPRODUCED OR USED WITHOUT THE EXPRESSED CONSENT OF BLACKWELL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND VERIFYING ALL LEVELS AND DIMENSIONS AND SHALL REPORT ALL DISCREPENCIES TO BLACKWELL AND OBTAIN CLARIFICATION PRIOR TO COMMENCING WORK.

REVIEWED AND SEALED BY:



SULLAWAY ENGINEERING 0815 RANCHO BERNARDO ROAD

SAN DIEGO, CA 92127 (858) 312-5150 www.sullawayeng.com

2016.10.14 FOUNDATIONS ONLY PERMIT MARK DATE DESCRIPTION ISSUE: 2016.10.05 Project Name **SUMMIT CABINS 2500SF UNIT**

Address

EDEN

UTAH

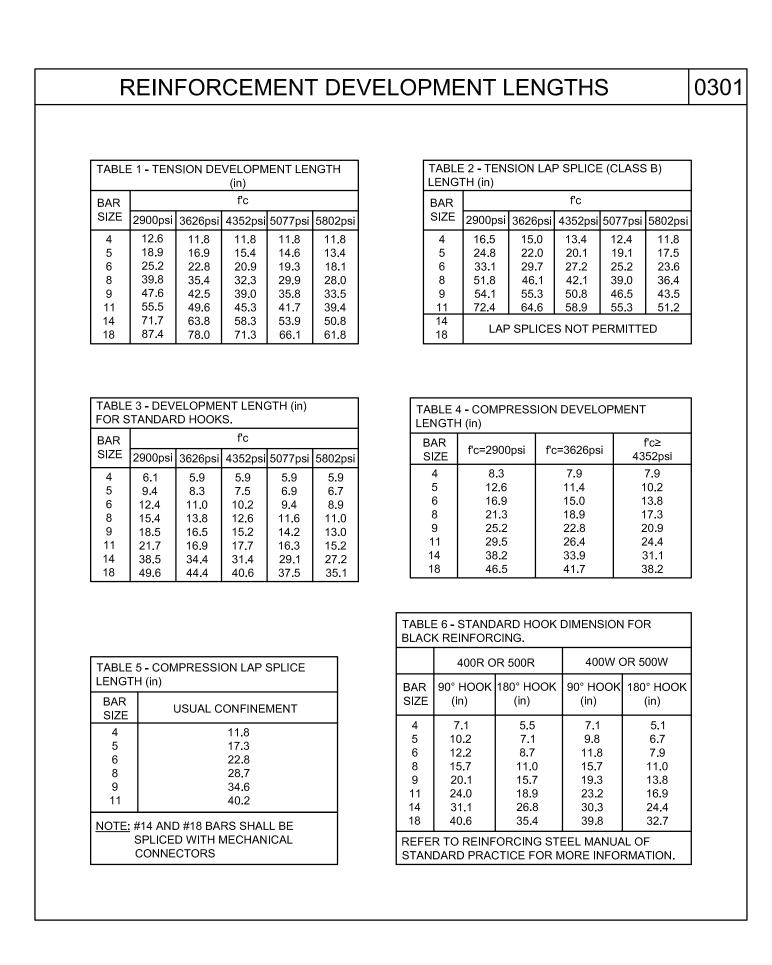
AS NOTED

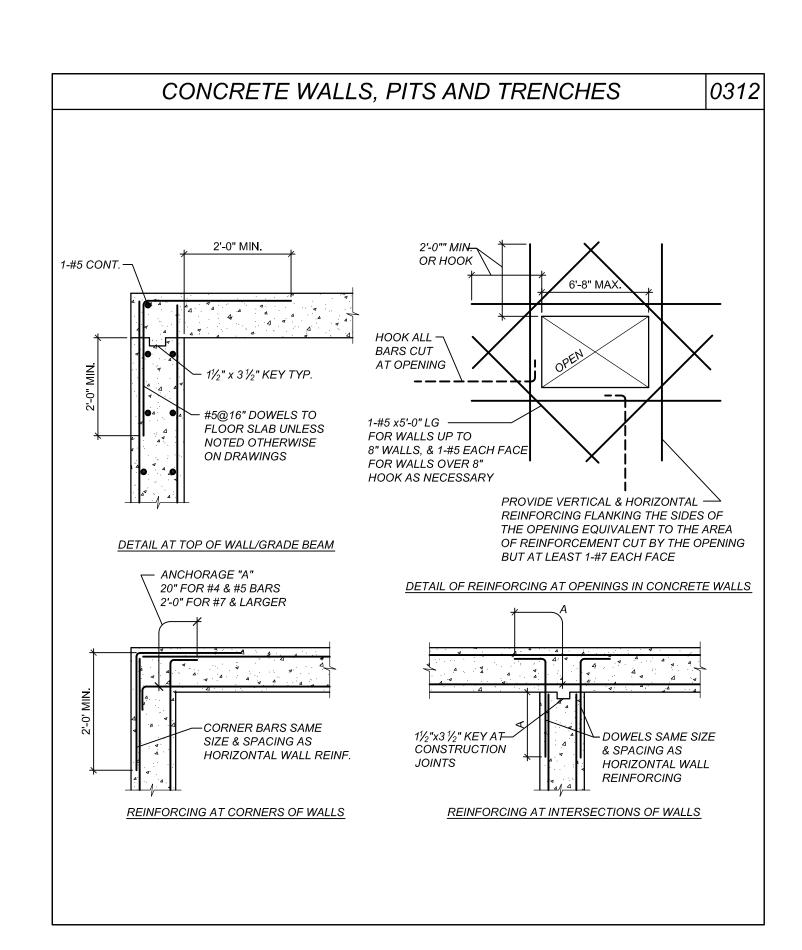
CAD/BIM Program AUTOCAD Checked by Drawn by AVB N/A

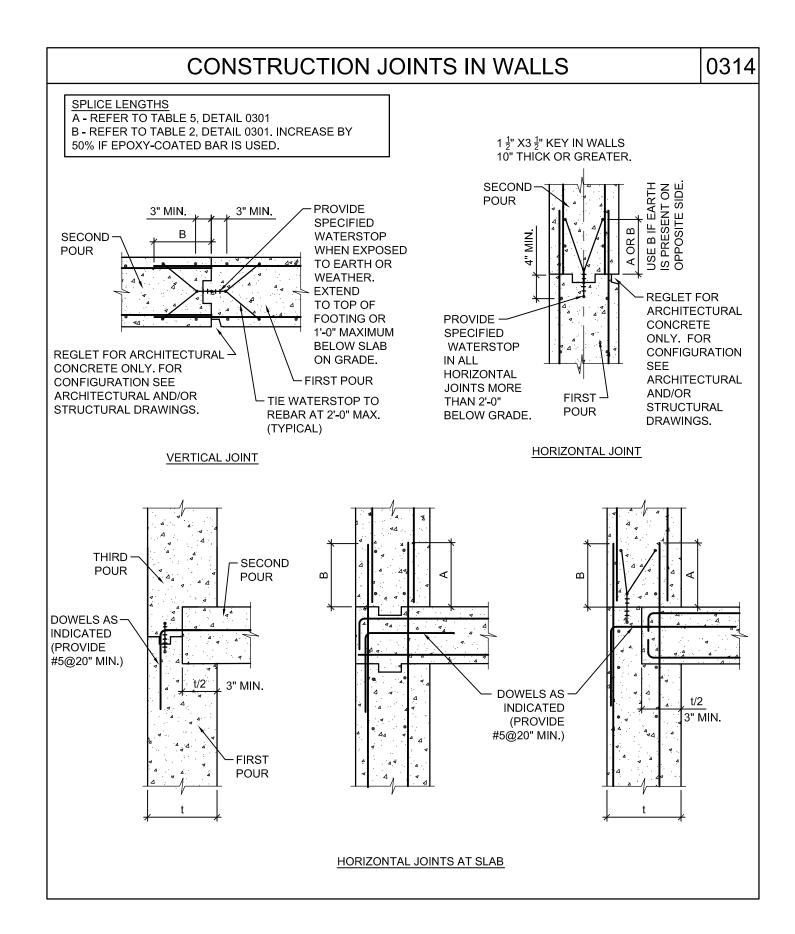
160063

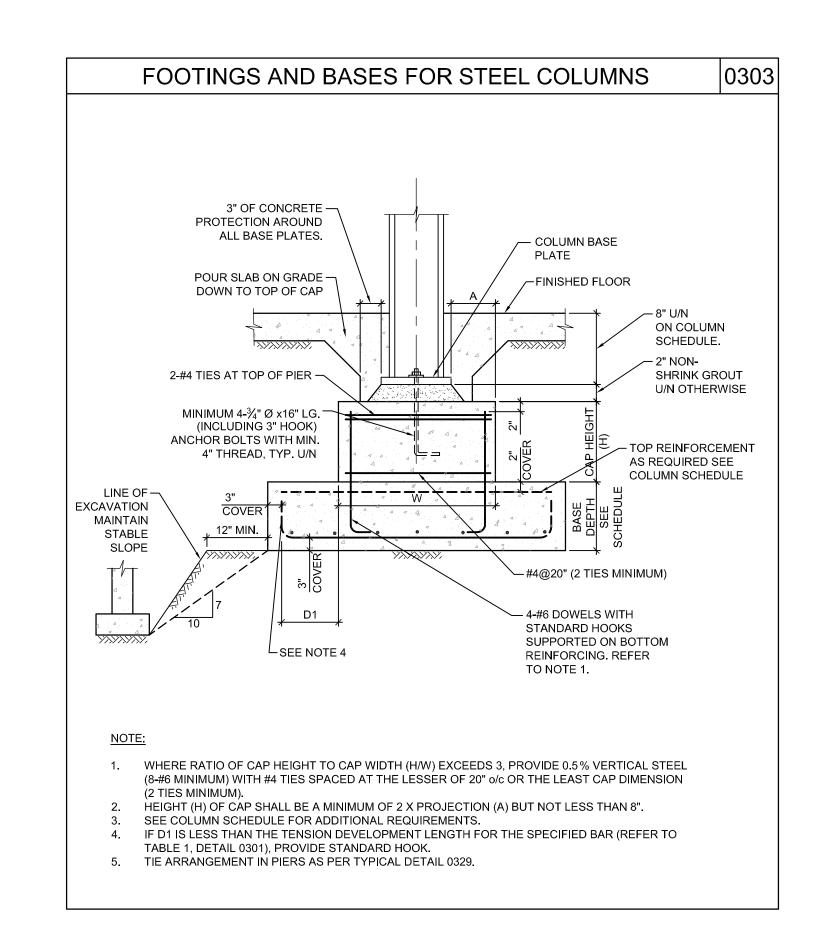
Sheet Title **GENERAL NOTES**

		ABBREVI	ATIONS		00
A.BOLT	=	ANCHOR BOLT	kN		KILONEWTON
A.BOLT ADJ.	=	ADJUSTABLE	kg	=	KILOGRAM
ALT.	=	ALTERNATE	k N. m	=	KILONEWTON METRES
ARCH	=	ARCHITECTURAL	kN/sq.m	=	KILONEWTON METRES KILONEWTON PER SQUARE METRE
7111011.		,	kN/m	=	KILONEWTON PER METRE
В	=	BOTTOM	L.L.	=	LIVE LOAD
BLL	=	BOTTOM LOWER LAYER BOTTOM UPPER LAYER	LG.	=	LONG
BUL BLDG.	=	BUILDING	LLV.	=	LONG LEG VERTICAL
BM.	=	BEAM	LLH.	=	LONG LEG HORIZONTAL
B₽L	=	BASE OR BEARING PLATE			
BSMT.	=	BASEMENT	MAX.	=	MAXIMUM
			MECH.	=	MECHANICAL
CA	=	COLUMN ABOVE	MEZZ.	=	MEZZANINE
C/C	=	CENTRE TO CENTRE	MIN. MISC.	=	MINIMUM MISCELLANEOUS
Œ.	=	CENTRE LINE	ML	=	MIDDLE LAYER
CANT. COL	=	CANTILEVER COLUMN	mm	=	MILLIMETRE
COL.	=	CONCRETE	MOM.	=	MOMENT
CONSTR.	=	CONSTRUCTION	m	=	METRIC,METRE
CONT	=	CONTINUOUS	MPa	=	MEGAPASCAL
c/w	=	COMPLETE WITH	Mf	=	FACTORED MOMENT
			N	=	NEWTONS
DET.	=	DETAIL	N.F. N-S	=	NEAR FACE NORTH-SOUTH
DIAG.	=	DIAGONAL	NTS.	=	NOT TO SCALE
DIA.	=	DIAMETER	11101		NOT TO SCALE
Ø	=	DIAMETER, BAR DIAMETER	014/01	_	
DIM.	=	DIMENSION	OWSJ OPEN	=	OPEN WEB STEEL JOISTS
D.J. DO.	=	DOUBLE JOIST DITTO	OPEN	_	OPENING
D.L.	=	DEAD LOAD	PL.	=	PLATE
DWG	=	DRAWING	P.C.	=	PRECAST
DWL.	=	DOWEL	PROJ.	=	PROJECTION
EA.	=	EACH	R	=	REACTION
EA F	=	EACH FACE	RAD	=	RADIUS
EA.W.	=	EACH WAY	REF.	=	REFERENCE
EL.	=	ELEVATION	REINF.	=	REINFORCING, REINFORCEMENT
ELECT.	=	ELECTRICAL	REQ'D REV.	=	REQUIRED
ELEV.	=	ELEVATOR	r/w	=	REVISION,REVISED REINFORCED WITH
E-W EQ.	=	EAST-WEST EQUAL	17 VV		
EXIST.	=	EXISTING	SECT.	=	SECTION
EXP.J	=	EXPANSION JOINT	SDF	=	STEP DOWN FOOTING
EXT	=	EXTERIOR	SL.	=	SLAB SPECIFICATIONS
			SPEC'S. STD.	=	STANDARD
			SQ.	=	SQUARE
F.F.	=	FAR FACE	STRUCT.	=	STRUCTURAL
FDN.	=	FOUNDATION			
FIN.	=	FINISHED	Т	=	TOP
FL FTG	=	FLOOR FOOTING	Ť.J.	=	TIE JOIST
110.	_	10011140	TLL	=	TOP LOWER LAYER
			TUL	=	TOP UPPER LAYER
GA.	=	GAUGE	TEMP TYP	=	TEMPERATURE TYPICAL
GALV.	=	GALVANIZED			
GEN.	=	GENERAL	U/N U/S	=	UNLESS OTHERWISE NOTED UNDERSIDE
H. HOR.	=	HORIZONTAL	5/5	-	CHECHOL
Н	=	HOOKED EACH END	Vf V. VERT.	=	FACTORED SHEAR FORCE VERTICAL
INT.	=	INTERIOR			
			WWF w/	=	WELDED WIRE FABRIC WITH
JT.	=	JOINT	w/ wD; wL	=	WITH UNIFORMLY DISTRIBUTED LOADS











THIS DRAWING IS THE PROPERTY OF
BLACKWELL AND MAY NOT BE REPRODUCED

OR USED WITHOUT THE EXPRESSED CONSENT OF BLACKWELL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND VERIFYING ALL LEVELS AND DIMENSIONS AND SHALL REPORT ALL DISCREPENCIES TO BLACKWELL AND OBTAIN CLARIFICATION PRIOR TO COMMENCING WORK.

Strain Control of the Control of the

REVIEWED AND SEALED BY:

SULLAWAY

10815 RANCHO BERNARDO ROAD SUITE 210 SAN DIEGO, CA 92127

(858) 312-5150 www.sullawayeng.com

SULLAWAY

2016.10.14 FOUNDATIONS ONLY PERMIT

Address EDEN

UTAH

ISSUE: 2016.10.14

2500SF UNIT

SUMMIT CABINS

Project Name

File Name

CAD/BIM Program
AUTOCAD

Drawn by
Checked by
N/A

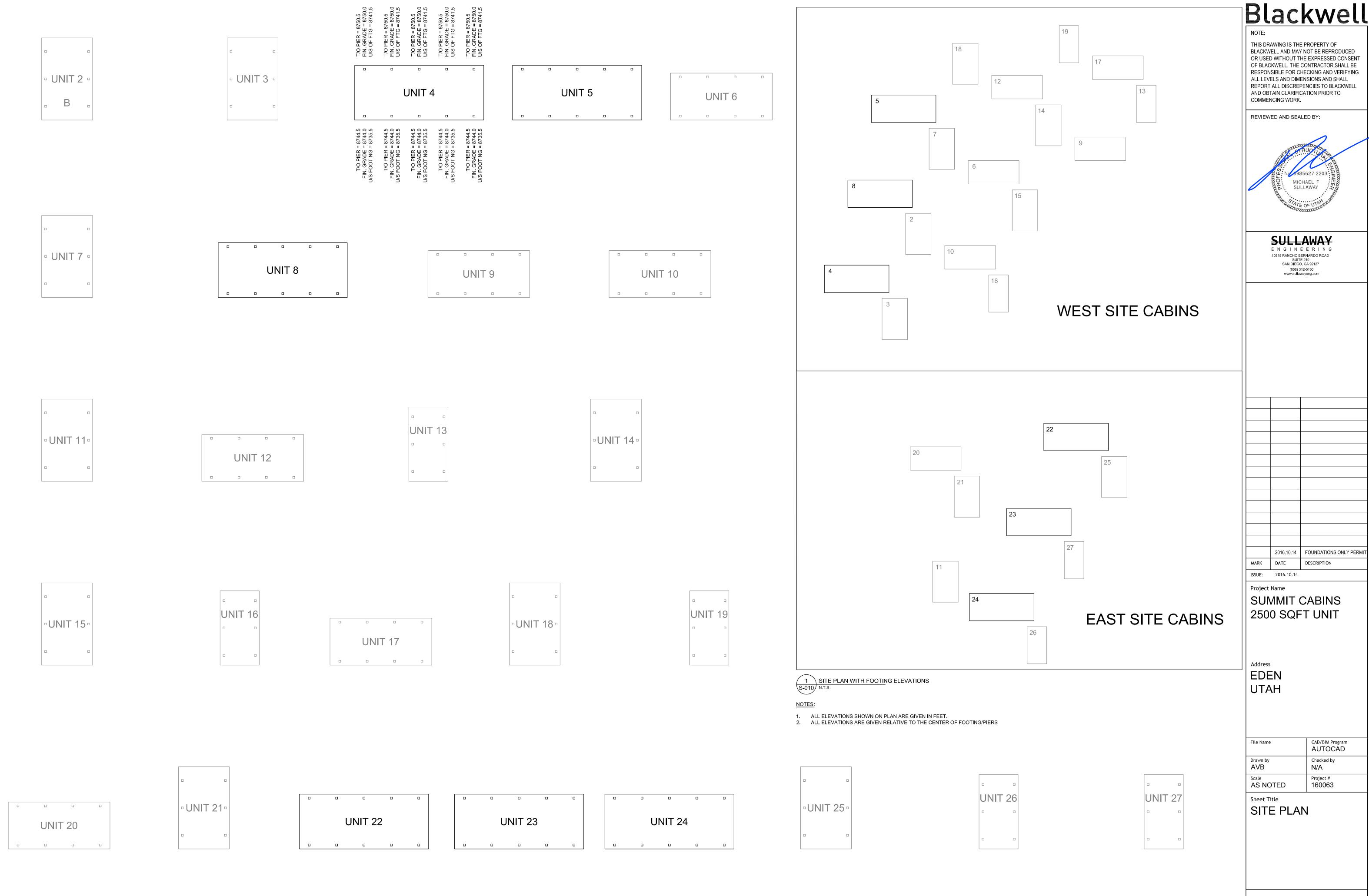
Scale
AS NOTED

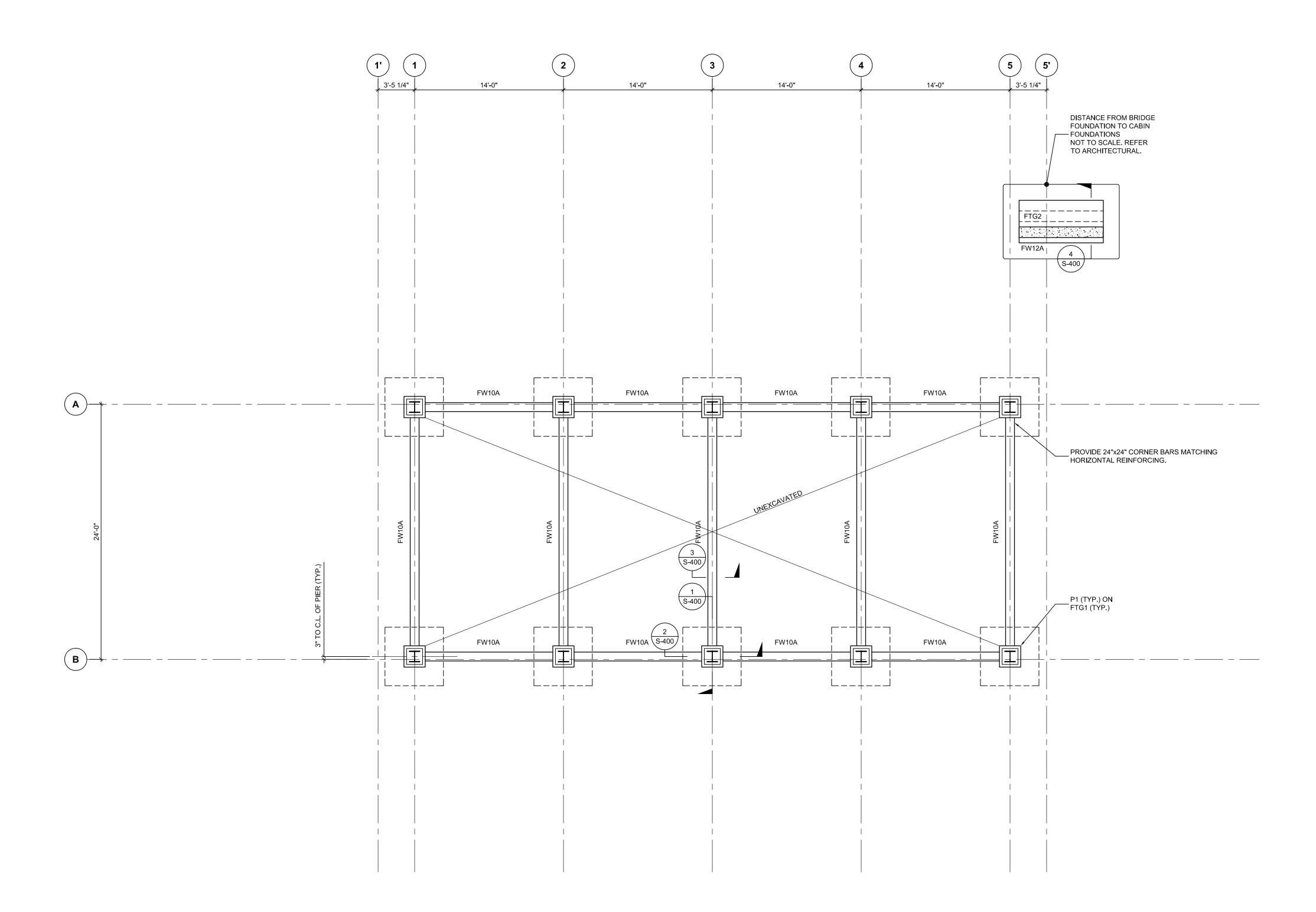
CAD/BIM Program
AUTOCAD

Project #
160063

Sheet Title

TYPICAL DETAILS
FOUNDATIONS





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

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

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

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

THIS DRAWING IS THE PROPERTY OF BLACKWELL AND MAY NOT BE REPRODUCED OR USED WITHOUT THE EXPRESSED CONSENT OF BLACKWELL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND VERIFYING ALL LEVELS AND DIMENSIONS AND SHALL REPORT ALL DISCREPENCIES TO BLACKWELL AND OBTAIN CLARIFICATION PRIOR TO COMMENCING WORK.

REVIEWED AND SEALED BY:



ENGINEERING 10815 RANCHO BERNARDO ROAD SUITE 210 SAN DIEGO, CA 92127

(858) 312-5150 www.sullawayeng.com

2016.10.14 FOUNDATION PERMIT ONLY

ISSUE: 2016.10.05 Project Name SUMMIT CABINS

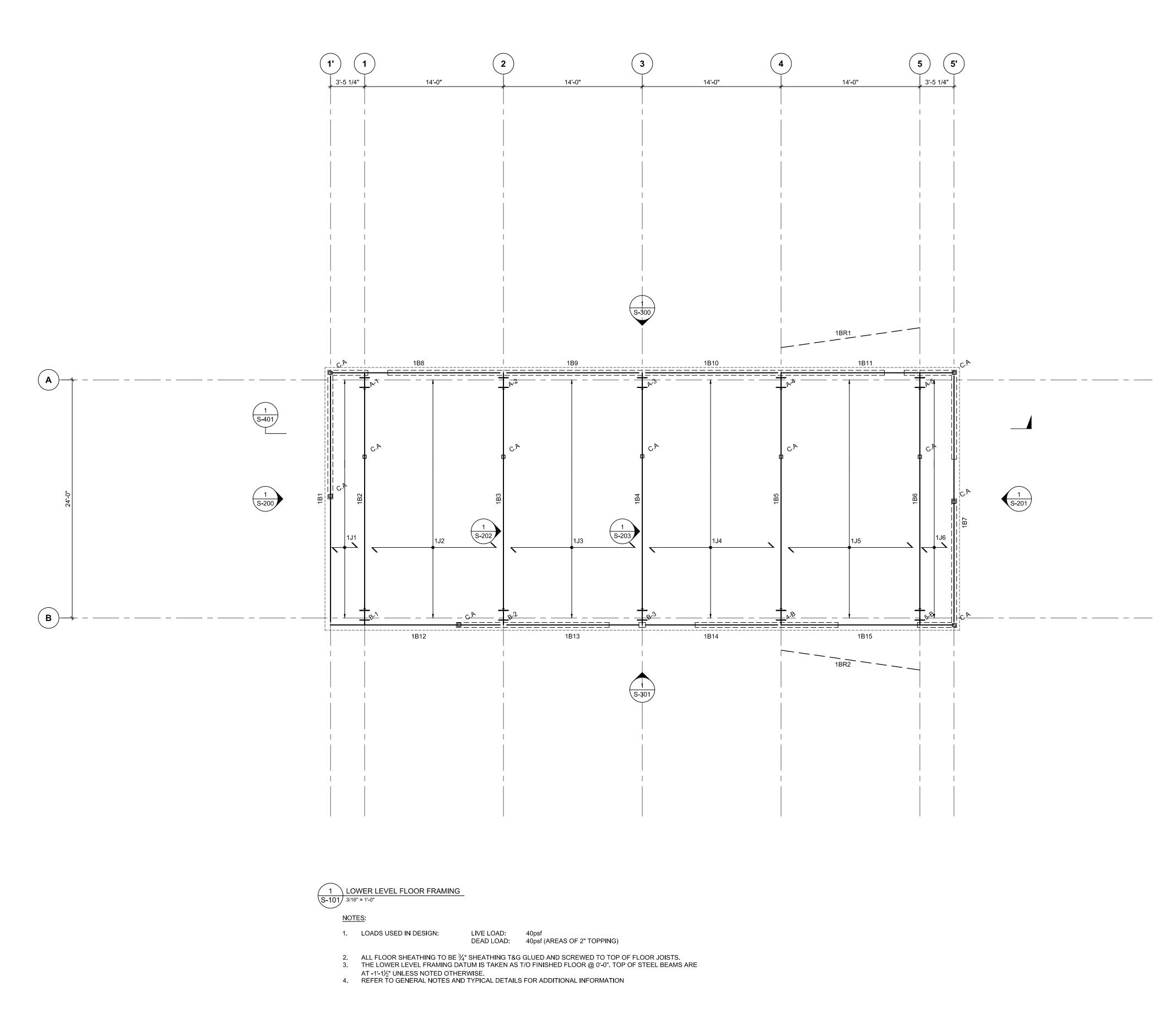
2500 SQFT UNIT

MARK DATE DESCRIPTION

Address EDEN UTAH

CAD/BIM Program AUTOCĂD Drawn by AVB Checked by N/A AS NOTED 160063

Sheet Title FOUNDATION PLAN



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

MEMBER	MEMBER	REAC	TIONS	DEMARKO
MARK	DESCRIPTION	LEFT END	RIGHT END	REMARKS
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			

- 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" MINUMUM BEARING FOR ALL WOOD BEAMS ON WOOD FRAMED WALLS

	DRAWING LEGEND
BEAM MEMBERS	
TRUSS ELEMENTS	
COLUMNS (CHANNELS & I BEAMS)	н
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)	C).
STUD WALLS ABOVE	
LATERAL BRACING	<u> </u>
BEAM CANTILEVERS	CANT.
MOMENT CONNECTIONS	^
WOOD SHEARWALL (EXTENTS)	*
EXTENT OF FINISHES	

Blackwell

THIS DRAWING IS THE PROPERTY OF BLACKWELL AND MAY NOT BE REPRODUCED OR USED WITHOUT THE EXPRESSED CONSENT OF BLACKWELL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND VERIFYING ALL LEVELS AND DIMENSIONS AND SHALL REPORT ALL DISCREPENCIES TO BLACKWELL

AND OBTAIN CLARIFICATION PRIOR TO

REVIEWED AND SEALED BY:

COMMENCING WORK.

ENGINEERING

10815 RANCHO BERNARDO ROAD
SUITE 210
SAN DIEGO, CA 92127

ISSUE: 2016.10.05 Project Name **SUMMIT CABINS**

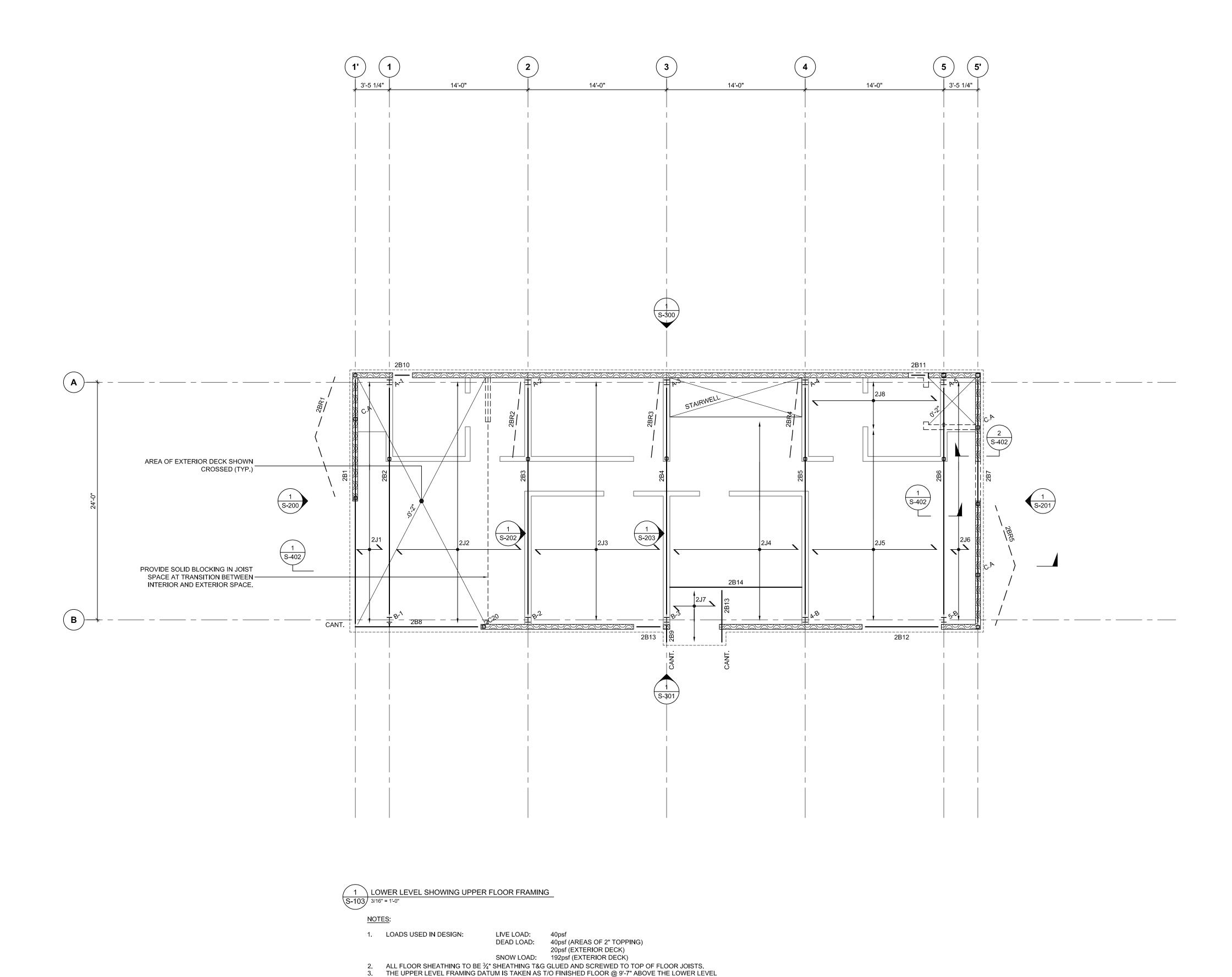
2500 SQFT UNIT

2016.10.14 FOUNDATION PERMIT ONLY

EDEN UTAH

AUTOCAD Checked by AVB N/A AS NOTED 160063

LOWER LEVEL FRAMING PLAN



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

FINISHED FLOOR ELEVATION. TOP OF STEEL BEAMS ARE AT -4/4" UNLESS NOTED OTHERWISE.

4. REFER TO GENERAL NOTES AND TYPICAL DETAILS FOR ADDITIONAL INFORMATION

MEMBER	MEMBER	REAC	TIONS	
MARK	DESCRIPTION	LEFT END	RIGHT END	REMARKS
2J1	2 x 12 @ 16" c/c			
2J2	2 - 2 x 12 @ 12" c/c			
2J3	2 x 10 @ 12" c/c			
2J4	2 x 10 @ 12" c/c			
2J5	2 x 10 @ 12" c/c			
2J6	2 - 2 x 10 @ 16" c/c			
2J7	2 x 12 @ 16" c/c			
2J7	2 x 12 @ 16" c/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"x¼" CHEVRON-BRACE			
2BR2	HSS 4"x3"x¼" ANGLED BRACE			
2BR3	HSS 4"x3"x¼" ANGLED BRACE			
2BR4	HSS 4"x3"x¼" ANGLED BRACE			
2BR5	HSS 4"x3"x¼" CHEVRON-BRACE			

- 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" MINUMUM BEARING FOR ALL WOOD BEAMS ON WOOD FRAMED WALLS UNLESS NOTED OTHERWISE.

	DRAWING LEGEND
BEAM MEMBERS	
TRUSS ELEMENTS	
COLUMNS (CHANNELS & I BEAMS)	н
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)	C' _b
STUD WALLS ABOVE	
LATERAL BRACING	
BEAM CANTILEVERS	CANT.
MOMENT CONNECTIONS	•
WOOD SHEARWALL (EXTENTS)	* SW *
EXTENT OF FINISHES	

THIS DRAWING IS THE PROPERTY OF BLACKWELL AND MAY NOT BE REPRODUCED OR USED WITHOUT THE EXPRESSED CONSENT OF BLACKWELL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND VERIFYING ALL LEVELS AND DIMENSIONS AND SHALL REPORT ALL DISCREPENCIES TO BLACKWELL AND OBTAIN CLARIFICATION PRIOR TO COMMENCING WORK.

REVIEWED AND SEALED BY:

SULLAWAY ENGINEERING

10815 RANCHO BERNARDO ROAD SUITE 210 SAN DIEGO, CA 92127

ISSUE: 2016.10.05 Project Name **SUMMIT CABINS** 2500 SQFT UNIT

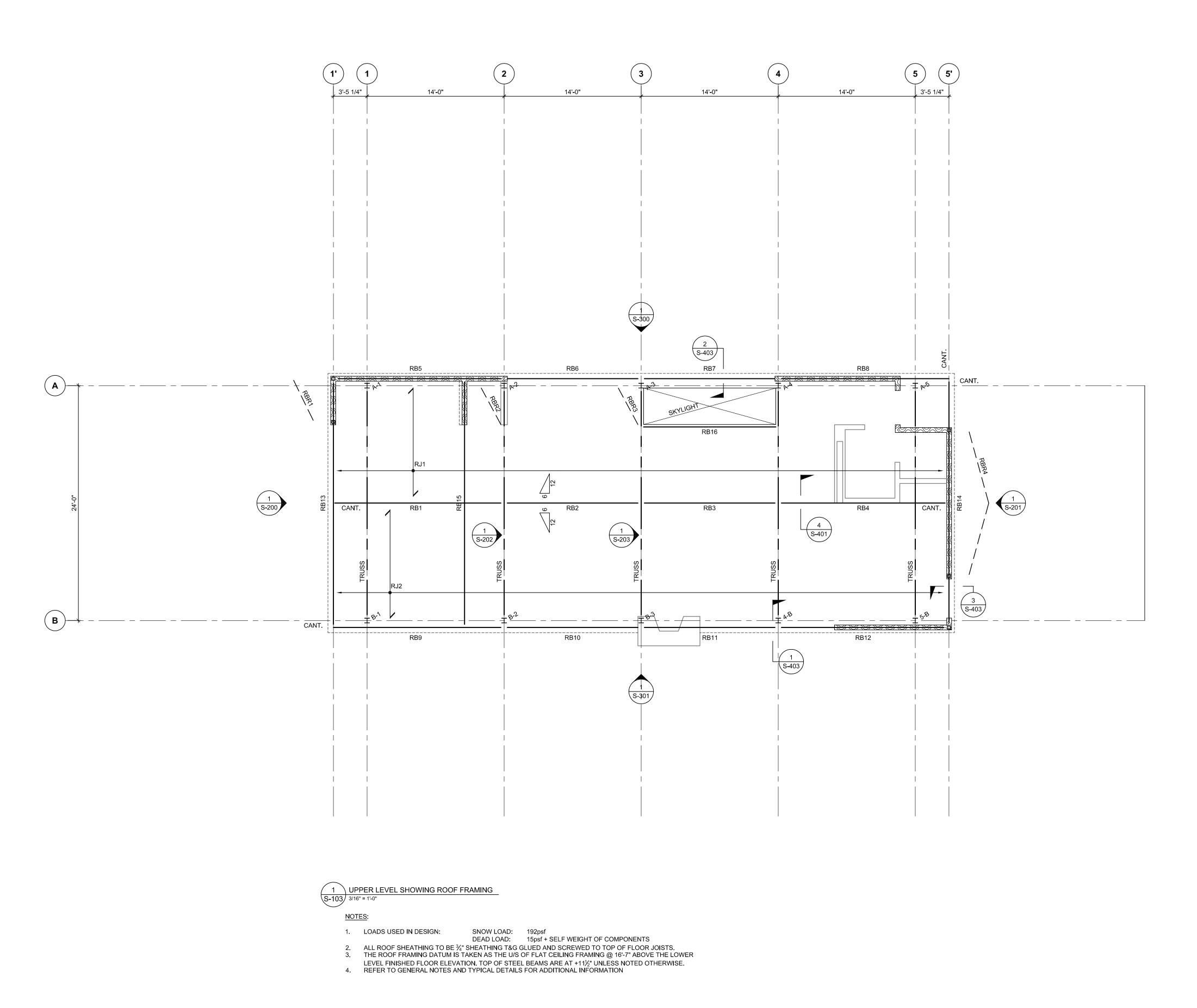
MARK DATE

2016.10.14 FOUNDATION PERMIT ONLY

EDEN UTAH

AUTOCAD Checked by AVB N/A AS NOTED 160063

Sheet Title **UPPER LEVEL** FRAMING PLAN



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

MEMBER	MEMBER	REAC	TIONS	
MARK	DESCRIPTION	LEFT END	RIGHT END	REMARKS
RJ1	2 - 2 x 12 @ 16" c/c	H2.5A	HGUQ210-2	NOTCHED JOIST TO 9" (M DEPTH AT HANGER.
RJ2	2 - 2 x 12 @ 16" c/c	HGUQ210-2	H2.5A	NOTCHED JOIST TO 9" (N DEPTH AT HANGER.
RB1	W8x48			
RB2	W8x48			
RB3	W8x48			
RB4	W8x48			
RB5	HSS 10"x6"x ⁵ ⁄/ ₆ " LLV			
RB6	HSS 10"x6"x ⁵ ⁄ ₁₆ " LLV			
RB7	HSS 10"x6"x ⁵ ⁄ ₆ " LLV			
RB8	HSS 10"x6"x ⁵ ⁄ ₆ " LLV			
RB9	HSS 10"x6"x ⁵ ⁄ ₆ " LLV			
RB10	HSS 10"x6"x ⁵ ⁄ ₁₆ " LLV			
RB11	HSS 10"x6"x ⁵ ⁄ ₁₆ " LLV			
RB12	HSS 10"x6"x ⁵ ∕ ₁₆ " LLV			
RB13	HSS 10"x6"x ⁵ ⁄ ₆ " LLV			
RB14	HSS 10"x6"x ⁵ ⁄⁄ ₆ " LLV			
RB15	HSS 10"x6"x ⁵ ∕ ₁₆ " LLV			
RBR1	HSS 4"x3"x¼" ANGLED BRACE			
RBR2	2-L3½"x2½"x¾6" ANGLES BACK-TO-BACK			
RBR3	2-L3½"x2½"x¾6" ANGLES BACK-TO-BACK			
RBR4	HSS 4"x3"x¼" 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.
- 3. PROVIDE 3" MINUMUM BEARING FOR ALL WOOD BEAMS ON WOOD FRAMED WALLS UNLESS NOTED OTHERWISE.

	DRAWING LEGEND
BEAM MEMBERS	
TRUSS ELEMENTS	
COLUMNS (CHANNELS & I BEAMS)	н
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)	C) _b
STUD WALLS ABOVE	
LATERAL BRACING	
BEAM CANTILEVERS	CANT.
MOMENT CONNECTIONS	•
WOOD SHEARWALL (EXTENTS)	* SW *
EXTENT OF FINISHES	

Blackwell

THIS DRAWING IS THE PROPERTY OF
BLACKWELL AND MAY NOT BE REPRODUCED
OR USED WITHOUT THE EXPRESSED CONSENT
OF BLACKWELL. THE CONTRACTOR SHALL BE
RESPONSIBLE FOR CHECKING AND VERIFYING
ALL LEVELS AND DIMENSIONS AND SHALL
REPORT ALL DISCREPENCIES TO BLACKWELL
AND OBTAIN CLARIFICATION PRIOR TO

REVIEWED AND SEALED BY:

COMMENCING WORK.

ENGINEERING

10815 RANCHO BERNARDO ROAD
SUITE 210
SAN DIEGO, CA 92127

Project Name
SUMMIT CABINS
2500 SQFT UNIT

2016.10.14 FOUNDATION PERMIT ONL

EDEN UTAH

File Name

CAD/BIM Program
AUTOCAD

Drawn by
AVB

Scale
AS NOTED

Checked by
N/A

Project #
160063

ROOF FRAMING
PLAN

Cr (Kip) XX XX XX XX XX XX XX				
TOP OF STEEL (177-397) MI (Kig-1) C1 (Kig) XX	1 A(+7'-9") - 2 A(+7'-9") - 3 A	A(+11'-8½") - 1' A(+7'-9") - 1		A(+8½") - 5
Mf (Kip-ft) CT (Kip) XX \$\frac{1}{2}\$ XX				
Cf (Kip) XX				
OWER FLOOR FF: 0'-0") Mf (Kip-ft) Cf (Kip) Mf (Kip-ft) VARIES)	XX	XX	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	HSS 5x5x3/8"
ASEPLATE ASSESTANCE AS				

NOTES

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

Blackwell

THIS DRAWING IS THE PROPERTY OF
BLACKWELL AND MAY NOT BE REPRODUCED
OR USED WITHOUT THE EXPRESSED CONSENT
OF BLACKWELL. THE CONTRACTOR SHALL BE
RESPONSIBLE FOR CHECKING AND VERIFYING
ALL LEVELS AND DIMENSIONS AND SHALL
REPORT ALL DISCREPENCIES TO BLACKWELL

AND OBTAIN CLARIFICATION PRIOR TO

REVIEWED AND SEALED BY:

COMMENCING WORK.

SULLAWAY ENGINEERING

E N G I N E E R I N G

10815 RANCHO BERNARDO ROAD
SUITE 210
SAN DIEGO, CA 92127
(858) 312-5150
www.sullawayeng.com

2016.10.14 FOUNDATION PERMIT ONLY

Project Name
SUMMIT CABINS
2500 SQFT UNIT

Address EDEN UTAH

ISSUE: 2016.10.05

File Name

CAD/BIM Program
AUTOCAD

Drawn by
AVB

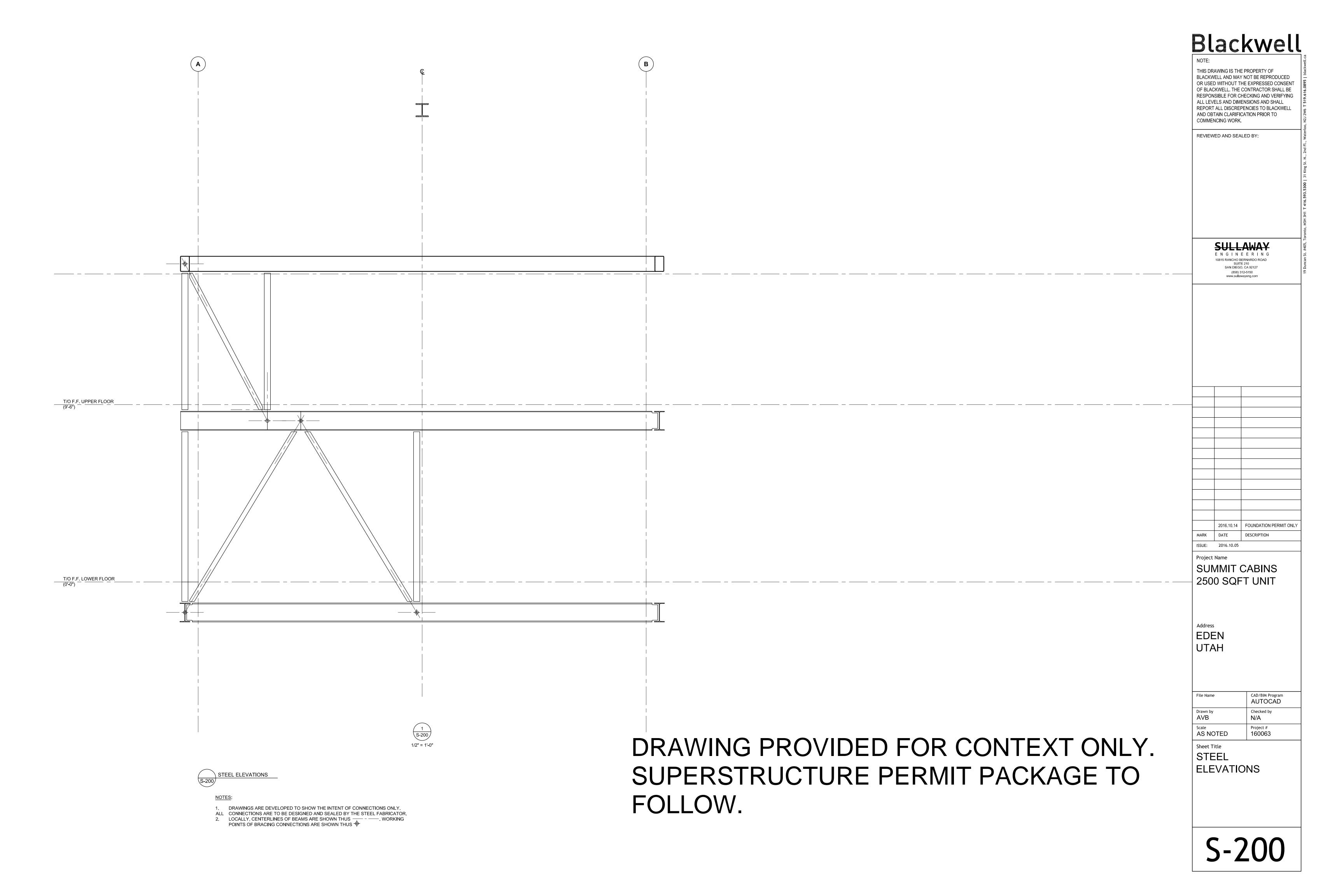
Scale
AS NOTED

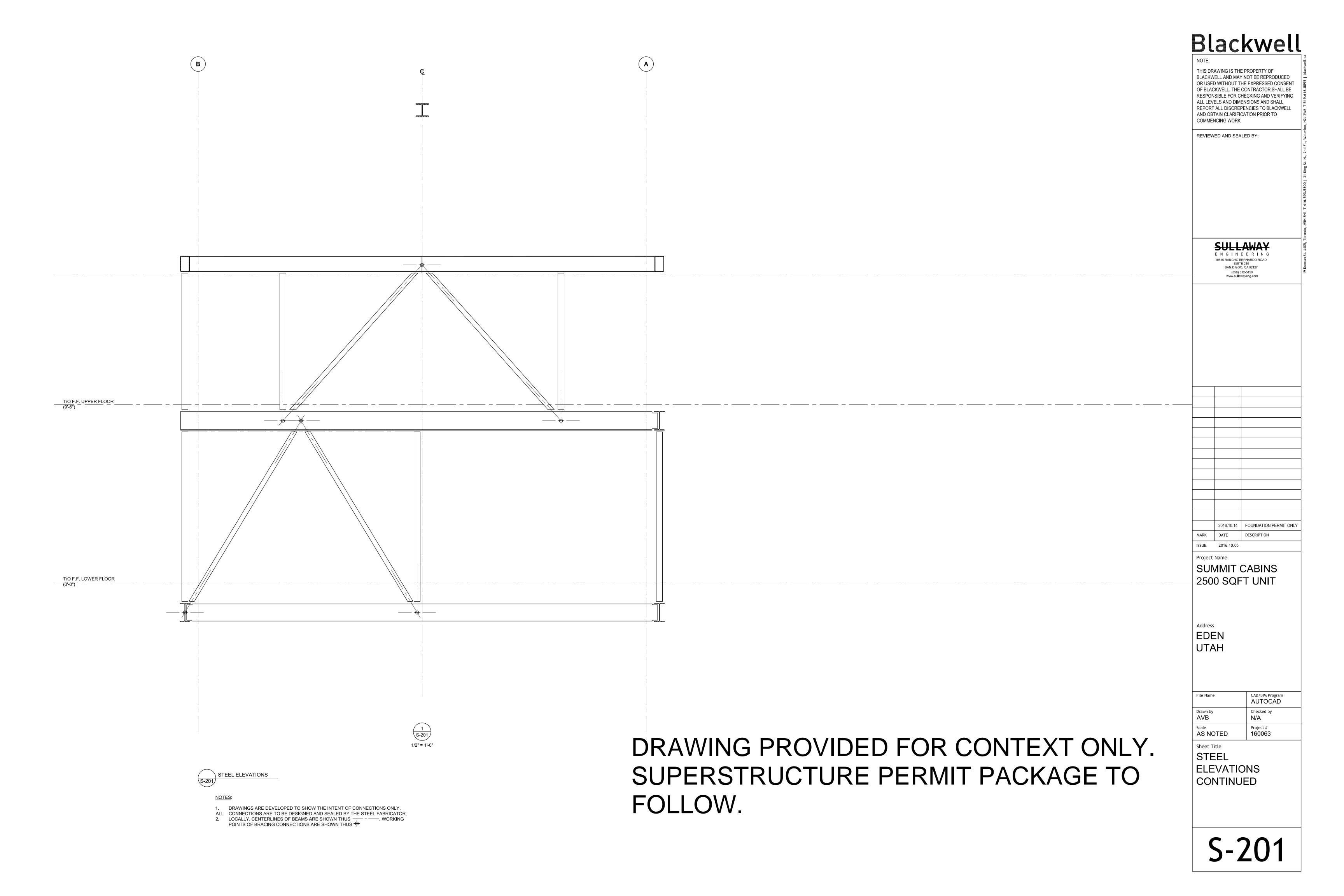
Checked by
N/A

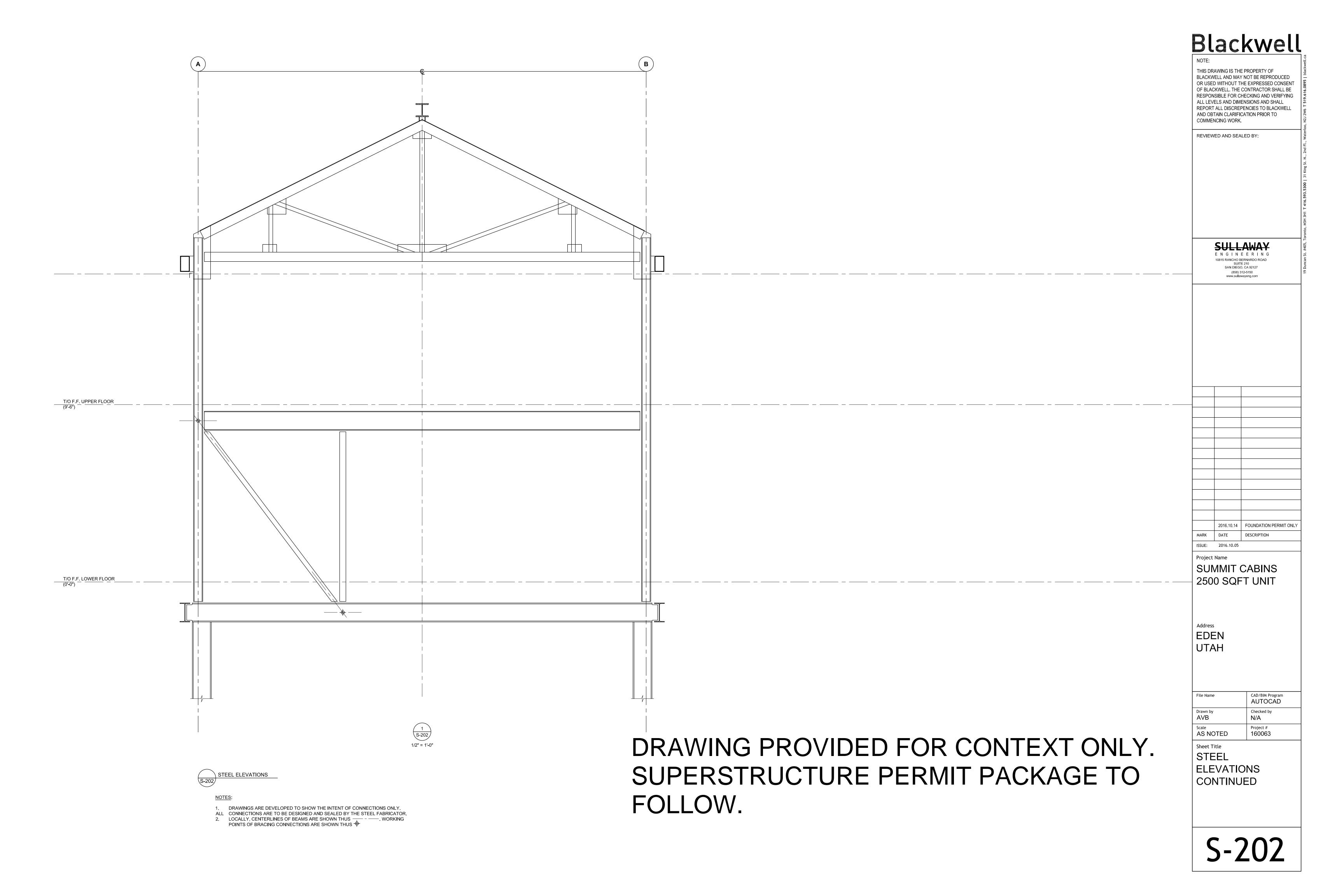
Project #
160063

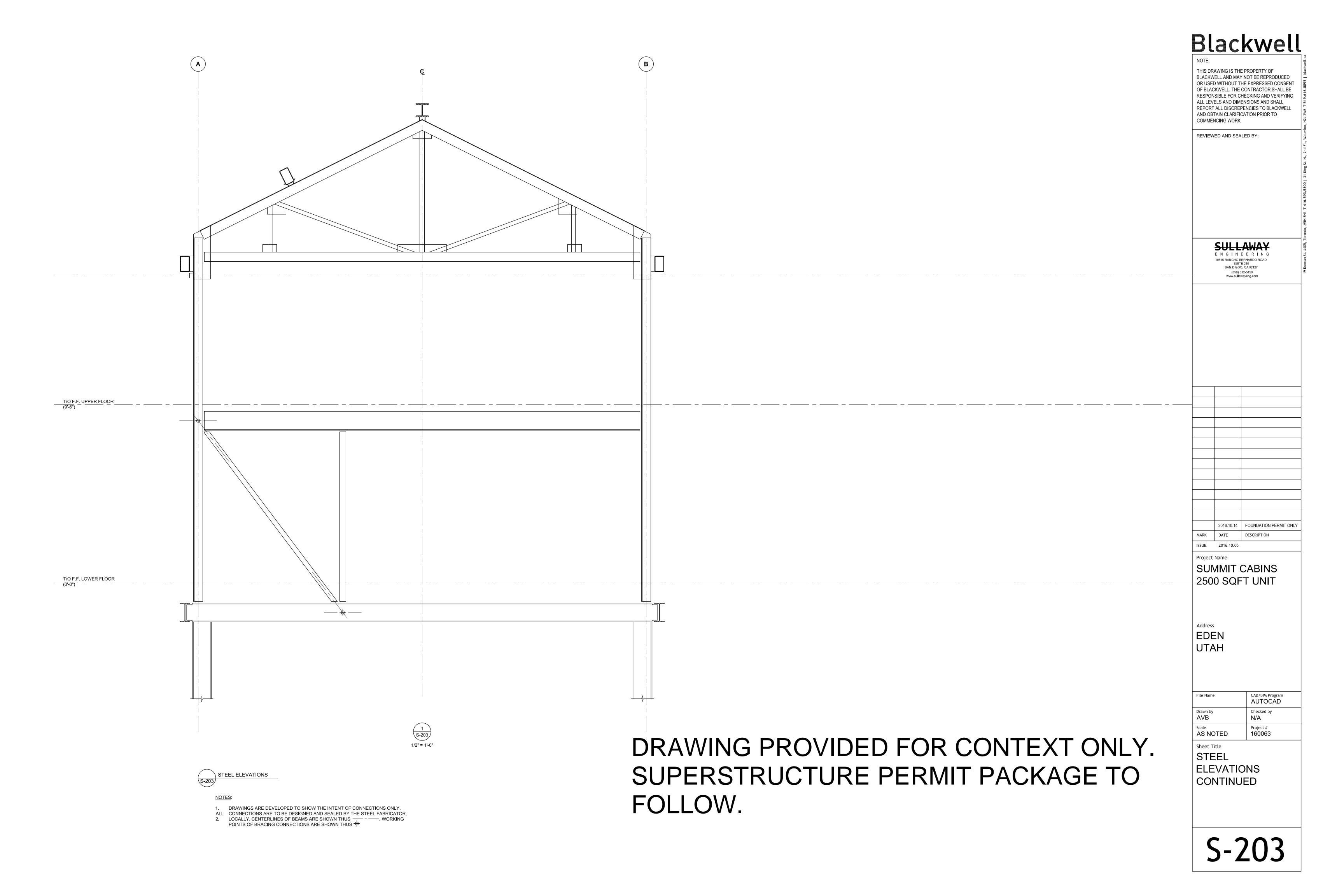
Sheet Title
COLUMN
SCHEDULE

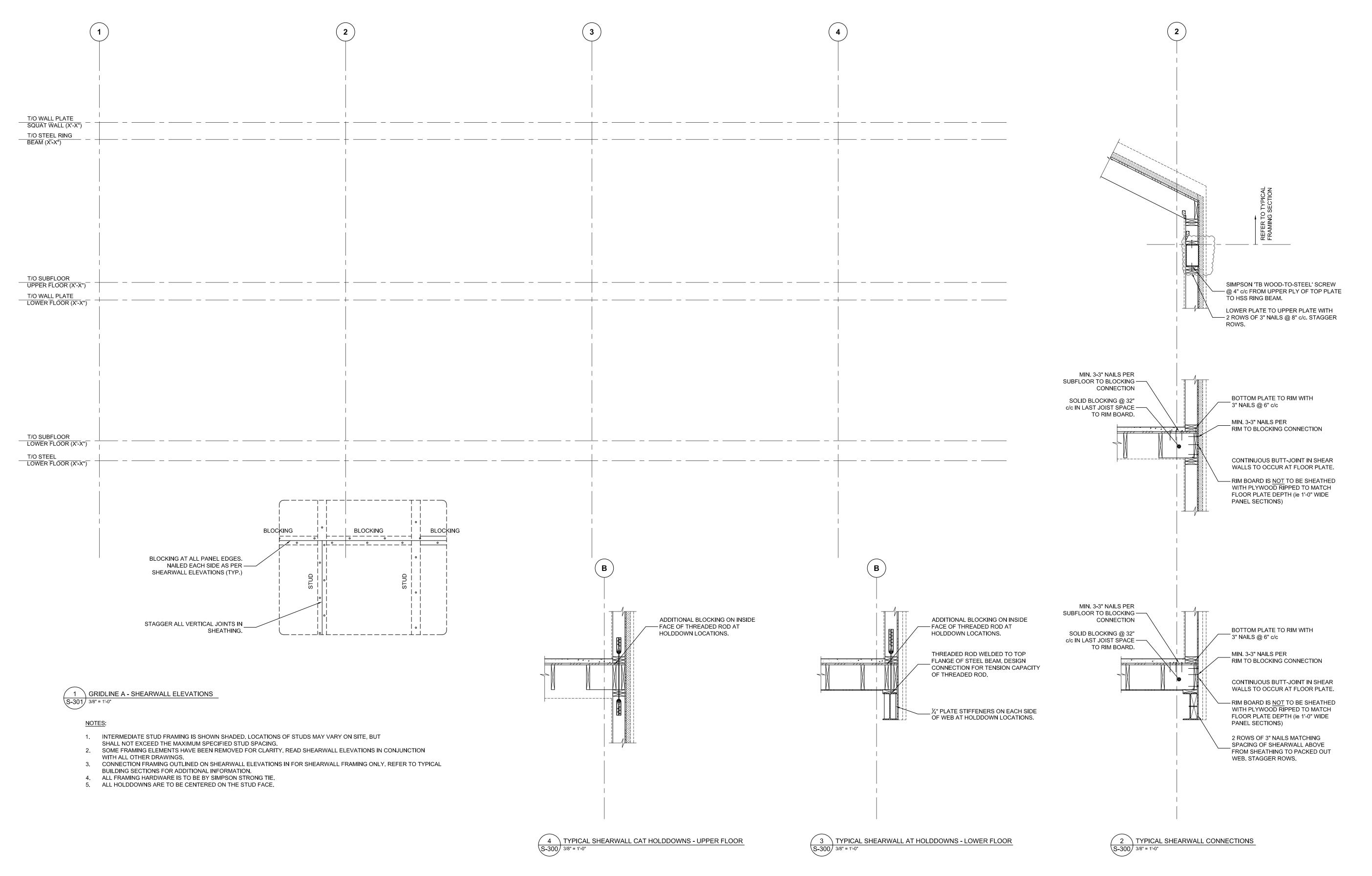
CENTRE COLUMNS CAPS AND FOOTINGS ON GRIDS UNLESS NOTED OTHERWISE
 UNLESS OTHERWISE NOTED, BASEPLATE DIMENSION GIVEN FIRST IS PARALLEL TO THE











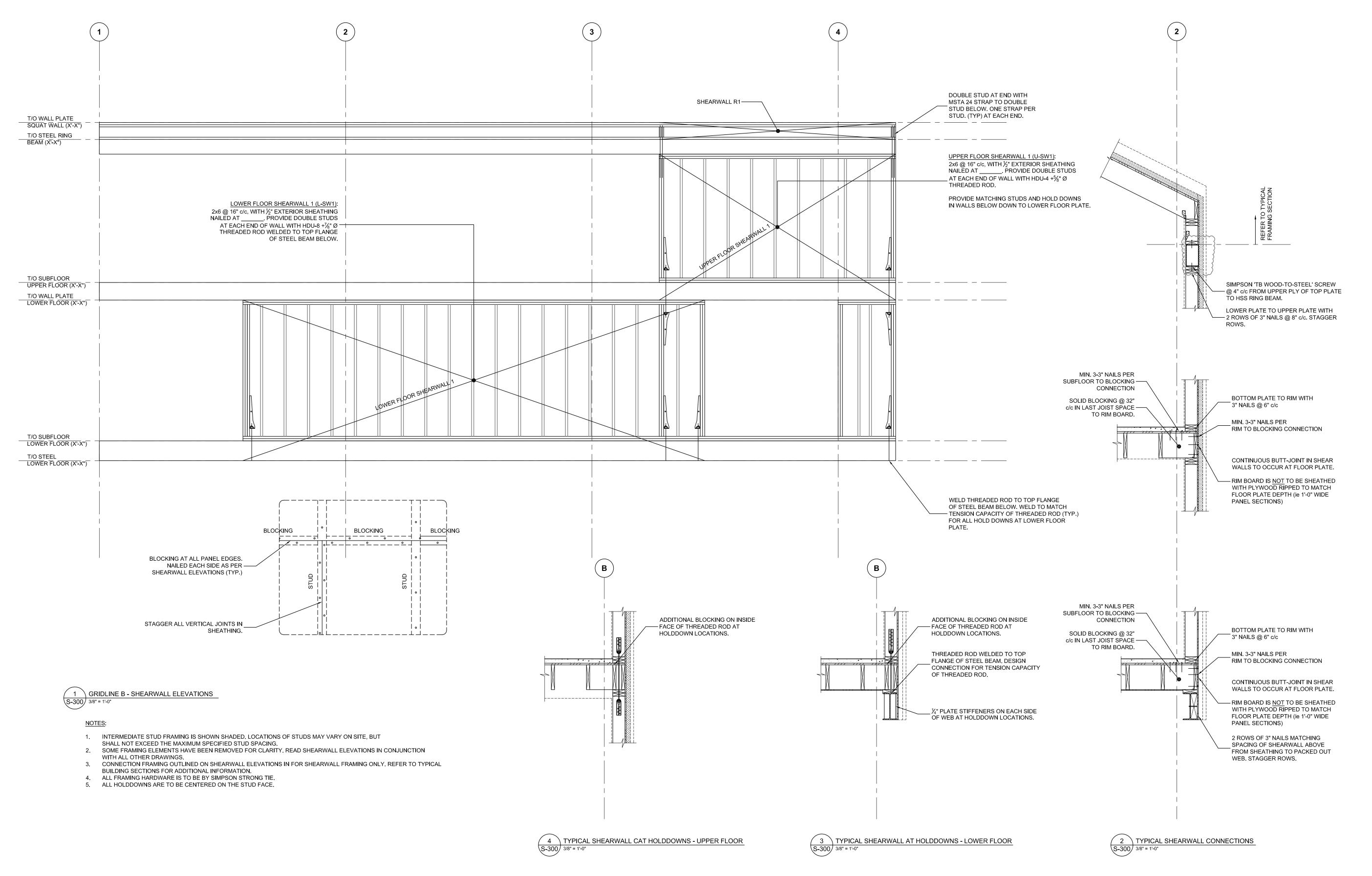
DRAWING PROVIDED FOR CONTEXT ONLY. SUPERSTRUCTURE PERMIT PACKAGE TO FOLLOW.

THIS DRAWING IS THE PROPERTY OF BLACKWELL AND MAY NOT BE REPRODUCED OR USED WITHOUT THE EXPRESSED CONSENT OF BLACKWELL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND VERIFYING ALL LEVELS AND DIMENSIONS AND SHALL REPORT ALL DISCREPENCIES TO BLACKWELL AND OBTAIN CLARIFICATION PRIOR TO COMMENCING WORK. REVIEWED AND SEALED BY: **SULLAWAY** ENGINEERING 10815 RANCHO BERNARDO ROAD SUITE 210 SAN DIEGO, CA 92127 (858) 312-5150 www.sullawayeng.com 2016.10.14 FOUNDATION PERMIT ONLY MARK DATE ISSUE: 2016.10.05 Project Name **SUMMIT CABINS** 2500 SQFT UNIT **EDEN** UTAH

AUTOCAD Checked by AVB N/A AS NOTED 160063

Sheet Title SHEARWALL

ELEVATIONS



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

THIS DRAWING IS THE PROPERTY OF BLACKWELL AND MAY NOT BE REPRODUCED OR USED WITHOUT THE EXPRESSED CONSENT OF BLACKWELL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND VERIFYING ALL LEVELS AND DIMENSIONS AND SHALL REPORT ALL DISCREPENCIES TO BLACKWELL AND OBTAIN CLARIFICATION PRIOR TO COMMENCING WORK. REVIEWED AND SEALED BY: **SULLAWAY** ENGINEERING 10815 RANCHO BERNARDO ROAD SUITE 210 SAN DIEGO, CA 92127 (858) 312-5150 www.sullawayeng.com 2016.10.14 FOUNDATION PERMIT ONL' MARK DATE ISSUE: 2016.10.05 Project Name **SUMMIT CABINS** 2500 SQFT UNIT **EDEN UTAH**

File Name

CAD/BIM Program
AUTOCAD

Drawn by
AVB

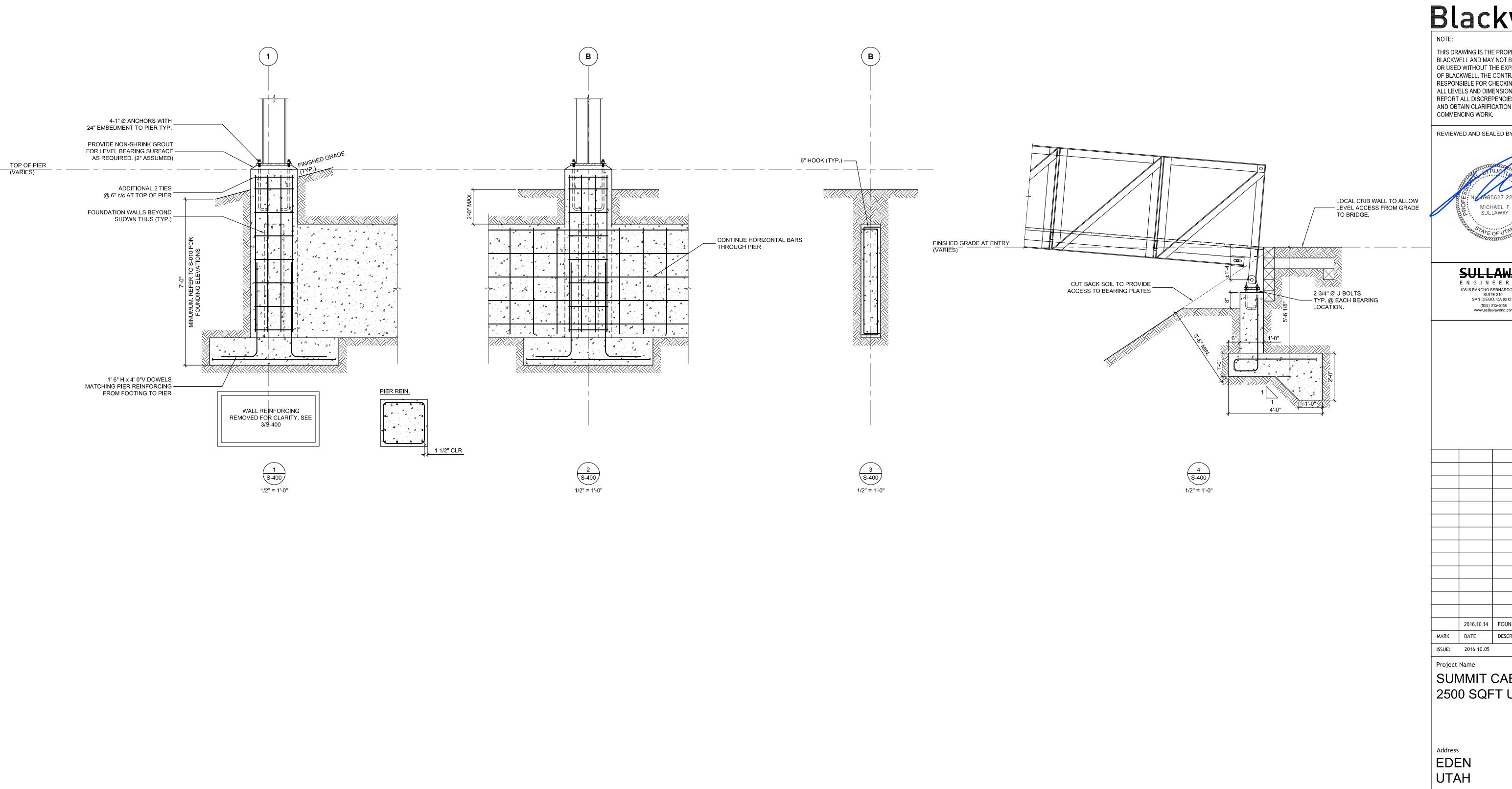
Scale
AS NOTED

CAD/BIM Program
AUTOCAD

Checked by
N/A

Project #
160063

SHEARWALL ELEVATIONS



THIS DRAWING IS THE PROPERTY OF BLACKWELL AND MAY NOT BE REPRODUCED OR USED WITHOUT THE EXPRESSED CONSENT OF BLACKWELL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND VERIFYING ALL LEVELS AND DIMENSIONS AND SHALL REPORT ALL DISCREPENCIES TO BLACKWELL AND OBTAIN CLARIFICATION PRIOR TO COMMENCING WORK. REVIEWED AND SEALED BY:

ENGINEERING

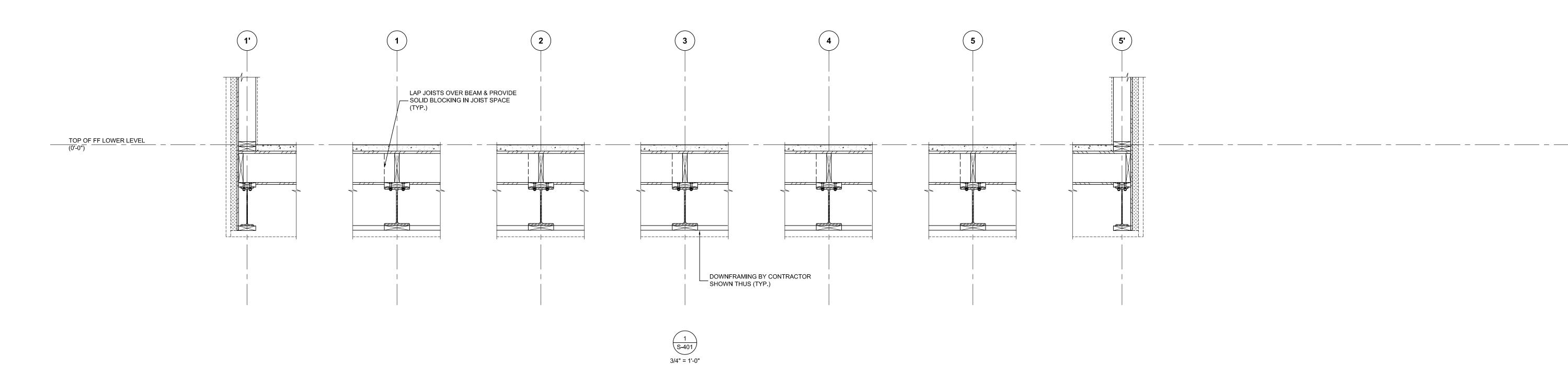
10815 RANCHO BERNARDO ROAD
SUITE 210
SAN DIEGO, CA 92127 (858) 312-5150 www.sullawayeng.com

2016.10.14 FOUNDATION PERMIT ONLY MARK DATE DESCRIPTION

SUMMIT CABINS 2500 SQFT UNIT

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

Sheet Title
FOUNDATION SECTIONS



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

Blackwel

NOTE

THIS DRAWING IS THE PROPERTY OF
BLACKWELL AND MAY NOT BE REPRODUCED
OR USED WITHOUT THE EXPRESSED CONSENT
OF BLACKWELL. THE CONTRACTOR SHALL BE
RESPONSIBLE FOR CHECKING AND VERIFYING
ALL LEVELS AND DIMENSIONS AND SHALL
REPORT ALL DISCREPENCIES TO BLACKWELL
AND OBTAIN CLARIFICATION PRIOR TO
COMMENCING WORK.

REVIEWED AND SEALED BY:

SULLAWAY ENGINEERING

10815 RANCHO BERNARDO ROAD SUITE 210 SAN DIEGO, CA 92127 (858) 312-5150 www.sullawayeng.com

2016.10.14 FOUNDATION PERMIT ONLY
ARK DATE DESCRIPTION

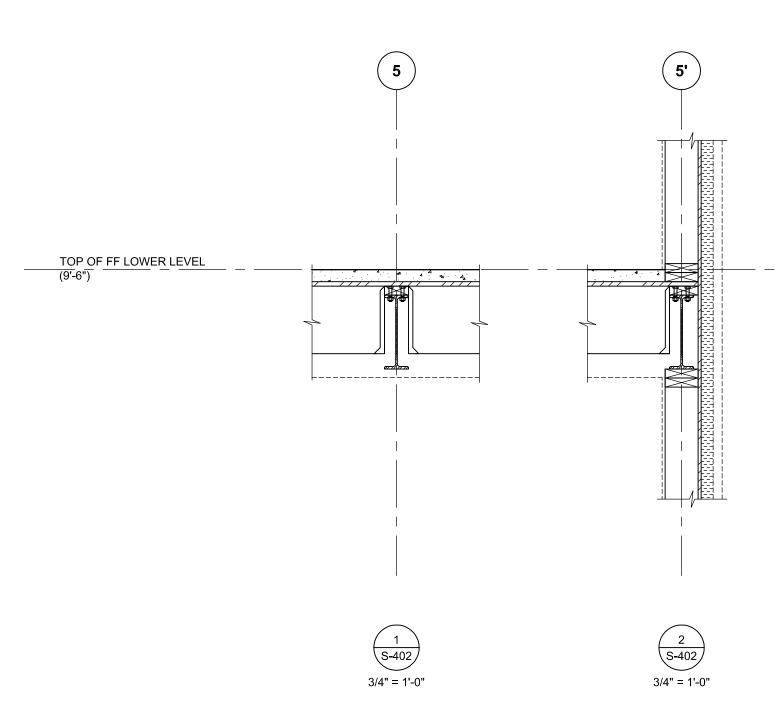
Project Name
SUMMIT CABINS
2500 SQFT UNIT

ISSUE: 2016.10.05

EDEN UTAH

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

Sheet Title
LOWER FLOOR
FRAMING
SECTIONS



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

Blackwell

NOTE

THIS DRAWING IS THE PROPERTY OF
BLACKWELL AND MAY NOT BE REPRODUCED
OR USED WITHOUT THE EXPRESSED CONSENT
OF BLACKWELL. THE CONTRACTOR SHALL BE
RESPONSIBLE FOR CHECKING AND VERIFYING
ALL LEVELS AND DIMENSIONS AND SHALL
REPORT ALL DISCREPENCIES TO BLACKWELL
AND OBTAIN CLARIFICATION PRIOR TO
COMMENCING WORK.

REVIEWED AND SEALED BY:

SULLAWAY ENGINEERING

10815 RANCHO BERNARDO ROAD SUITE 210 SAN DIEGO, CA 92127 (858) 312-5150 www.sullawayeng.com

2016.10.14 FOUNDATION PERMIT ONLY

Project Name
SUMMIT CABINS
2500 SQFT UNIT

ISSUE: 2016.10.05

EDEN UTAH

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

UPPER FLOOR
FRAMING
SECTIONS

