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CIVIL

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C6.06

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Millwork

Millwork

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**Section Details** 

Millwork Details

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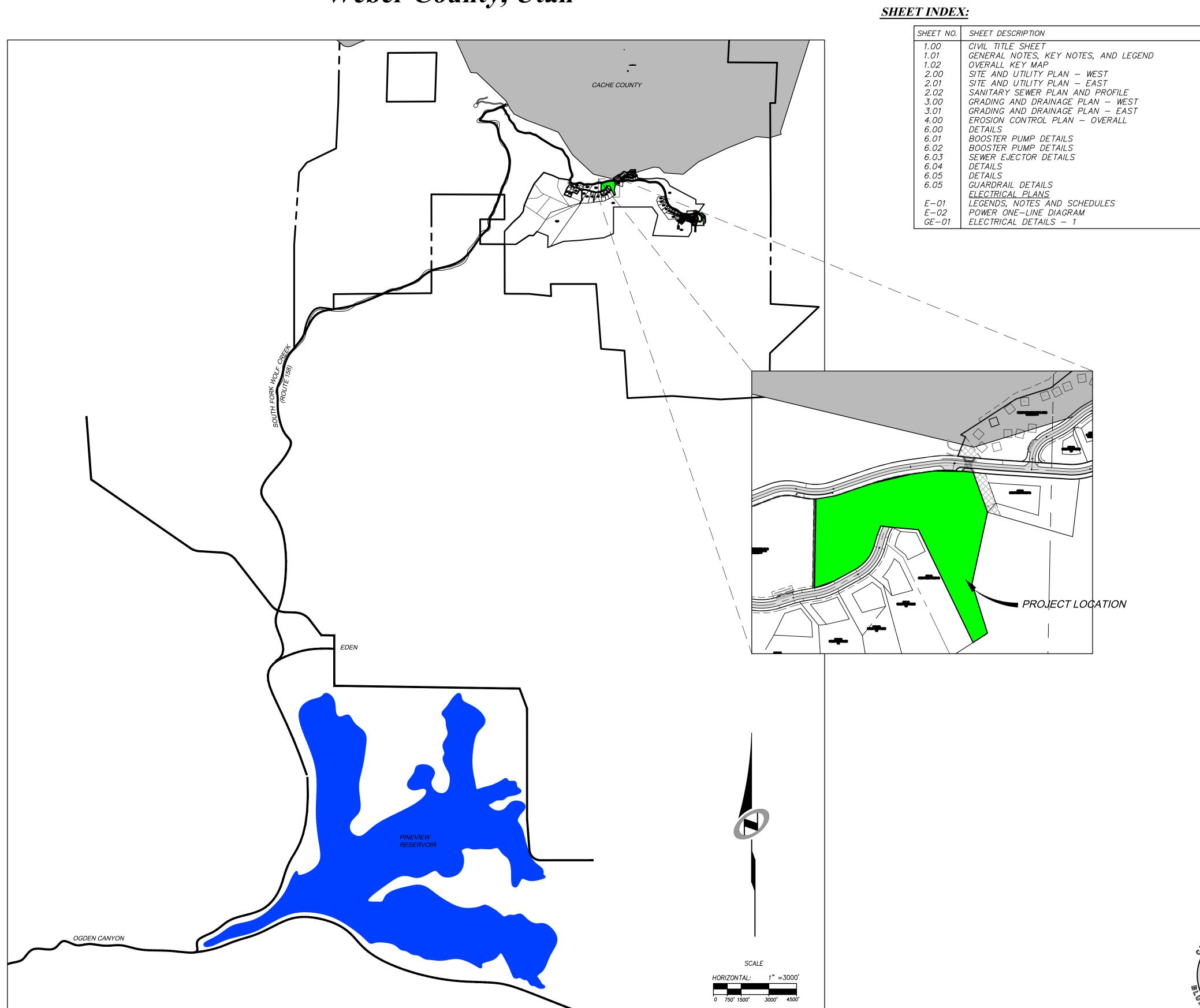
Plumbing Waste and

Horizon Neighborhood Cabins 1000 SF Cabin

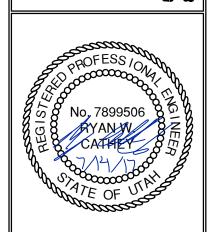
## HORIZON NEIGHBORHOOD PRUD AT SUMMIT POWDER MOUNTAIN

CONSTRUCTION DRAWINGS





NEIGHBORHOOD



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 ENGINEER-FURNISHED INFORMATION REGARDING SITE CONDITIONS IN PREPARING AND

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.

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.

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:

PIPE BELOW FINISHED GRADE.

THE TRENCH

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 8"ø C-900 PVC WATER PIPE (UNLESS NOTED OTHERWISE) APWA PLAN NO. 381,382 6" Ø DR7.3 HDPE PIPE (UNLESS NOTED OTHERWISE) PROPOSED WATER METER APWA PLAN NO. 521 APWA PLAN NO. 552 AND DETAIL D, SHEET 6.00 1 1/2" WATER LATERAL APWA PLAN NO. 381,382 -----8"SS HDPE-----8"ø SDR35 PVC SEWER PIPE APWA PLAN NO. 381,382 1.5" PRESSURE SEWER PIPE- DR-11 IPS ———(1)SS-P ——— APWA PLAN NO. 431 AND DETAIL D, SHEET 6.00 4" SANITARY SEWER LATERAL ------SS------PROPOSED GAS MAIN PROPOSED GAS METER PROPOSED GAS LATERAL PROPOSED ELECTRICAL CONDUIT PROPOSED FIRE HYDRANT ASSEMBLY/STAND PIPE APWA PLAN NO. 511 PROPOSED SEWER CLEANOUT PROPOSED SEWER MANHOLE PROPOSED PAVEMENT SECTION APWA PLAN NO. 315 ADJOINING PROPERTY BOUNDARY PER IGES GEOTECH REPORT 11/09/12 FUTURE IMPROVEMENTS PROPOSED LOT LINE PROPOSED 6" WATER PIPE PROPOSED SEWER PIPE PROPOSED EDGE OF TRAVEL PROPOSED COMMUNICATION LINE EXISTING 10" WATER PIPE EXISTING ELECTRICAL CONDUIT

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 EACH 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.

c. ALFALFA (ADAK)

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

C) INSTALLING A LIGHT-WEIGHT. TEMPORARY EROSION CONTROL BLANKET

A) SPRAYING DISTURBED AREAS WITH A TACKIFIER VIA HYDROSEED

B) TRACKING STRAW PERPENDICULAR TO SLOPES

4lb/ac

\* SEED MIXTURE FOR REVEGITATION

a. MEADOW BROME (RIGOR) 14lb/ac b. ORCHARD GRASS 10lb/ac

### WEBER COUNTY

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

### ROCKY MOUNTIAN POWER

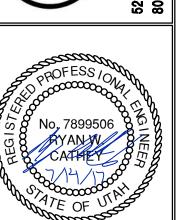
1438 WEST 2550 SOUTH OGDEN, UT 84401 (801) 629-4429

### POWDER MOUNTAIN WATER & SEWER DISTRICT

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

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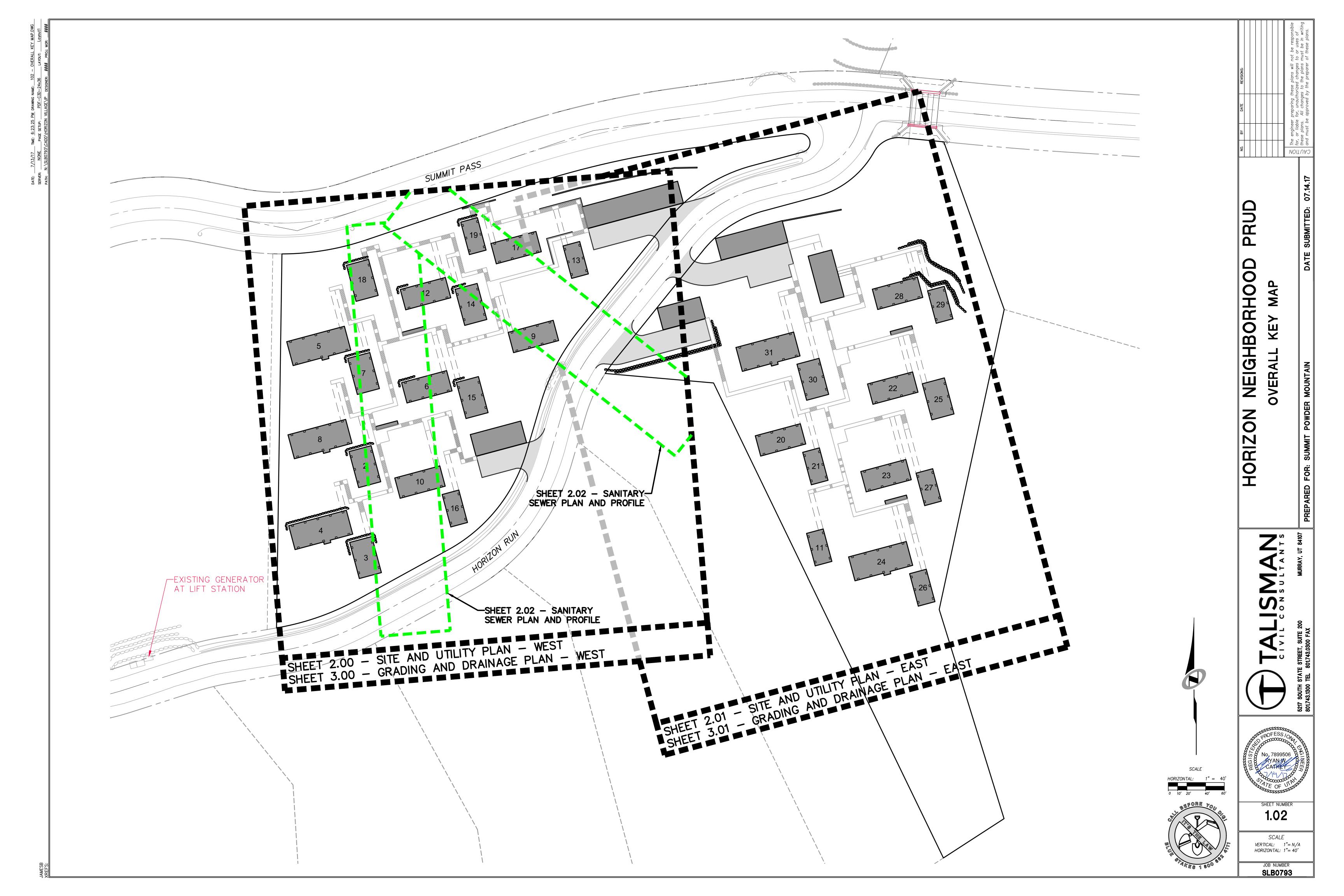


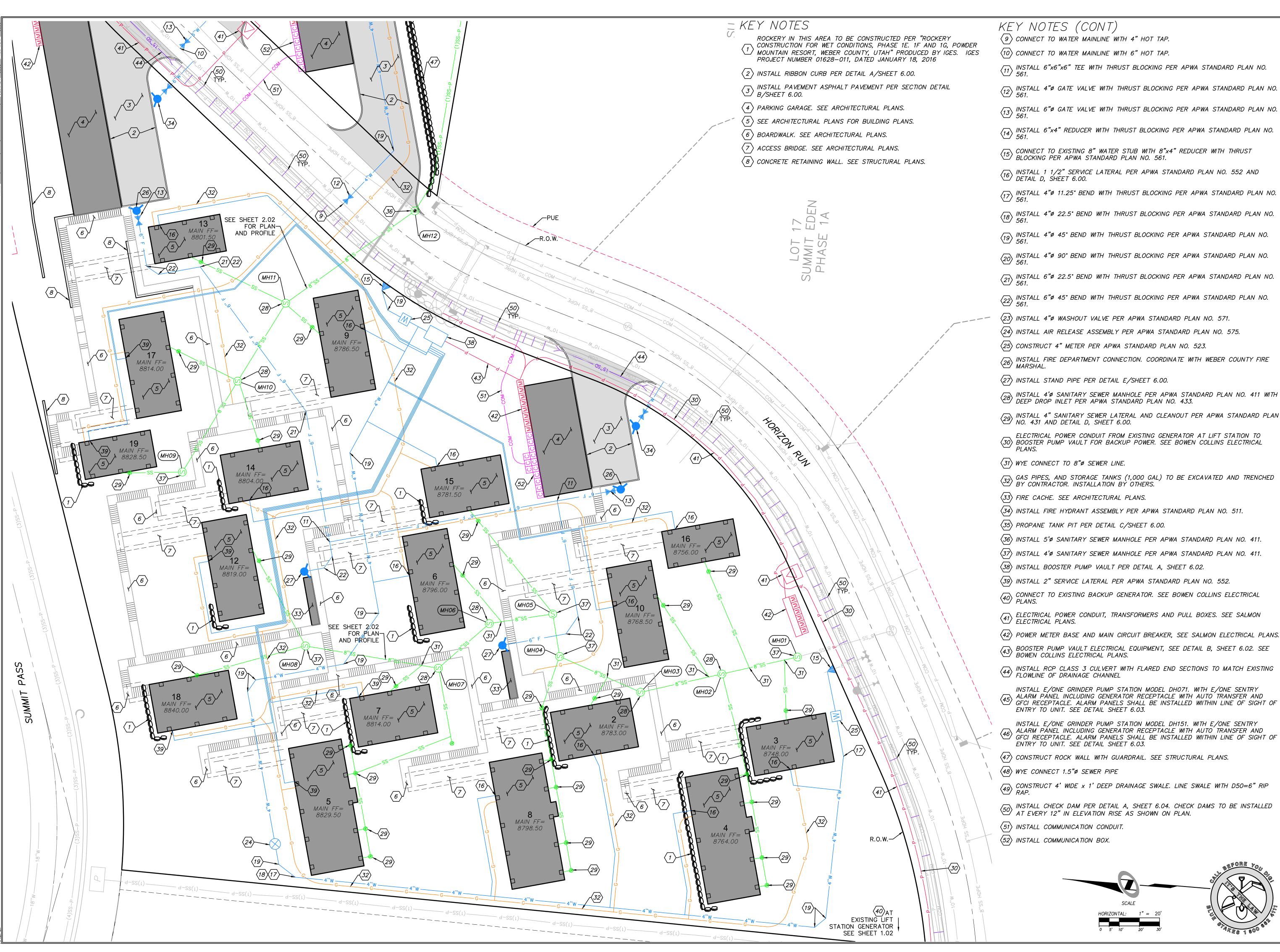
SHEET NUMBER

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

**SLB0793** 



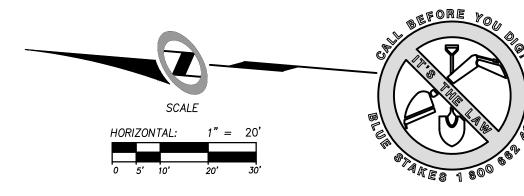


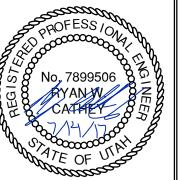


KEY NOTES (CONT)

- 9 CONNECT TO WATER MAINLINE WITH 4" HOT TAP.
- (10) CONNECT TO WATER MAINLINE WITH 6" HOT TAP.
- INSTALL 6"x6"x6" TEE WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.
- 13 INSTALL 6"Ø GATE VALVE WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.
- 14 INSTALL 6"x4" REDUCER WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.
- CONNECT TO EXISTING 8" WATER STUB WITH 8"x4" REDUCER 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.
- INSTALL 4"ø 11.25° BEND WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.
- (18) INSTALL 4"Ø 22.5° BEND WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.
- 19 INSTALL 4"ø 45° BEND WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.
- (20) INSTALL 4"ø 90° BEND WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.

- (22) INSTALL 6"ø 45° BEND WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.
- (23) INSTALL 4"Ø WASHOUT VALVE PER APWA STANDARD PLAN NO. 571.
- (24) INSTALL AIR RELEASE ASSEMBLY PER APWA STANDARD PLAN NO. 575.
- (25) CONSTRUCT 4" METER PER APWA STANDARD PLAN NO. 523.
- (26) INSTALL FIRE DEPARTMENT CONNECTION. COORDINATE WITH WEBER COUNTY FIRE MARSHAL.
- 27) INSTALL STAND PIPE PER DETAIL E/SHEET 6.00.
- 28 INSTALL 4'Ø SANITARY SEWER MANHOLE PER APWA STANDARD PLAN NO. 411 WITH DEEP DROP INLET PER APWA STANDARD PLAN NO. 433.
- 29 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 30) BOOSTER PUMP VAULT FOR BACKUP POWER. SEE BOWEN COLLINS ELECTRICAL PLANS.
- $\langle 31 \rangle$  WYE CONNECT TO 8"ø SEWER LINE.
- GAS PIPES, AND STORAGE TANKS (1,000 GAL) TO BE EXCAVATED AND TRENCHED BY CONTRACTOR. INSTALLATION BY OTHERS.
- (33) FIRE CACHE. SEE ARCHITECTURAL PLANS.
- $\langle 34 \rangle$  INSTALL FIRE HYDRANT ASSEMBLY PER APWA STANDARD PLAN NO. 511.
- (35) PROPANE TANK PIT PER DETAIL C/SHEET 6.00.
- $\langle \overline{36} \rangle$  INSTALL 5'Ø SANITARY SEWER MANHOLE PER APWA STANDARD PLAN NO. 411.
- (37) INSTALL 4'Ø SANITARY SEWER MANHOLE PER APWA STANDARD PLAN NO. 411.
- (38) INSTALL BOOSTER PUMP VAULT PER DETAIL A, SHEET 6.02.
- $\langle \overline{39} \rangle$  INSTALL 2" SERVICE LATERAL PER APWA STANDARD PLAN NO. 552.
- CONNECT TO EXISTING BACKUP GENERATOR. SEE BOWEN COLLINS ELECTRICAL PLANS.
- ELECTRICAL POWER CONDUIT, TRANSFORMERS AND PULL BOXES. SEE SALMON ELECTRICAL PLANS.
- $\langle 42 \rangle$  POWER METER BASE AND MAIN CIRCUIT BREAKER, SEE SALMON ELECTRICAL PLANS.
- BOOSTER PUMP VAULT ELECTRICAL EQUIPMENT, SEE DETAIL B, SHEET 6.02. SEE BOWEN COLLINS ELECTRICAL PLANS.
- INSTALL RCP CLASS 3 CULVERT WITH FLARED END SECTIONS TO MATCH EXISTING FLOWLINE OF DRAINAGE CHANNEL
- 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
- INSTALL E/ONE GRINDER PUMP STATION MODEL DH151. WITH E/ONE SENTRY A ALARM PÁNEL INCLUDING GENERATOR RECEPTACLE WITH AUTO TRANSFER AND GFCI RECEPTACLE. ALARM PANELS SHALL BE INSTALLED WIITHIN LINE OF SIGHT OF ENTRY TO UNIT. SEE DETAIL SHEET 6.03.
- (47) CONSTRUCT ROCK WALL WITH GUARDRAIL. SEE STRUCTURAL PLANS.
- 48 WYE CONNECT 1.5" SEWER PIPE
- CONSTRUCT 4' WIDE x 1' DEEP DRAINAGE SWALE. LINE SWALE WITH D50=6" RIP RAP.
- 50 INSTALL CHECK DAM PER DETAIL A, SHEET 6.04. CHECK DAMS TO BE INSTALLED AT EVERY 12" IN ELEVATION RISE AS SHOWN ON PLAN.
- $\langle 51 \rangle$  INSTALL COMMUNICATION CONDUIT.
- (52) INSTALL COMMUNICATION BOX.

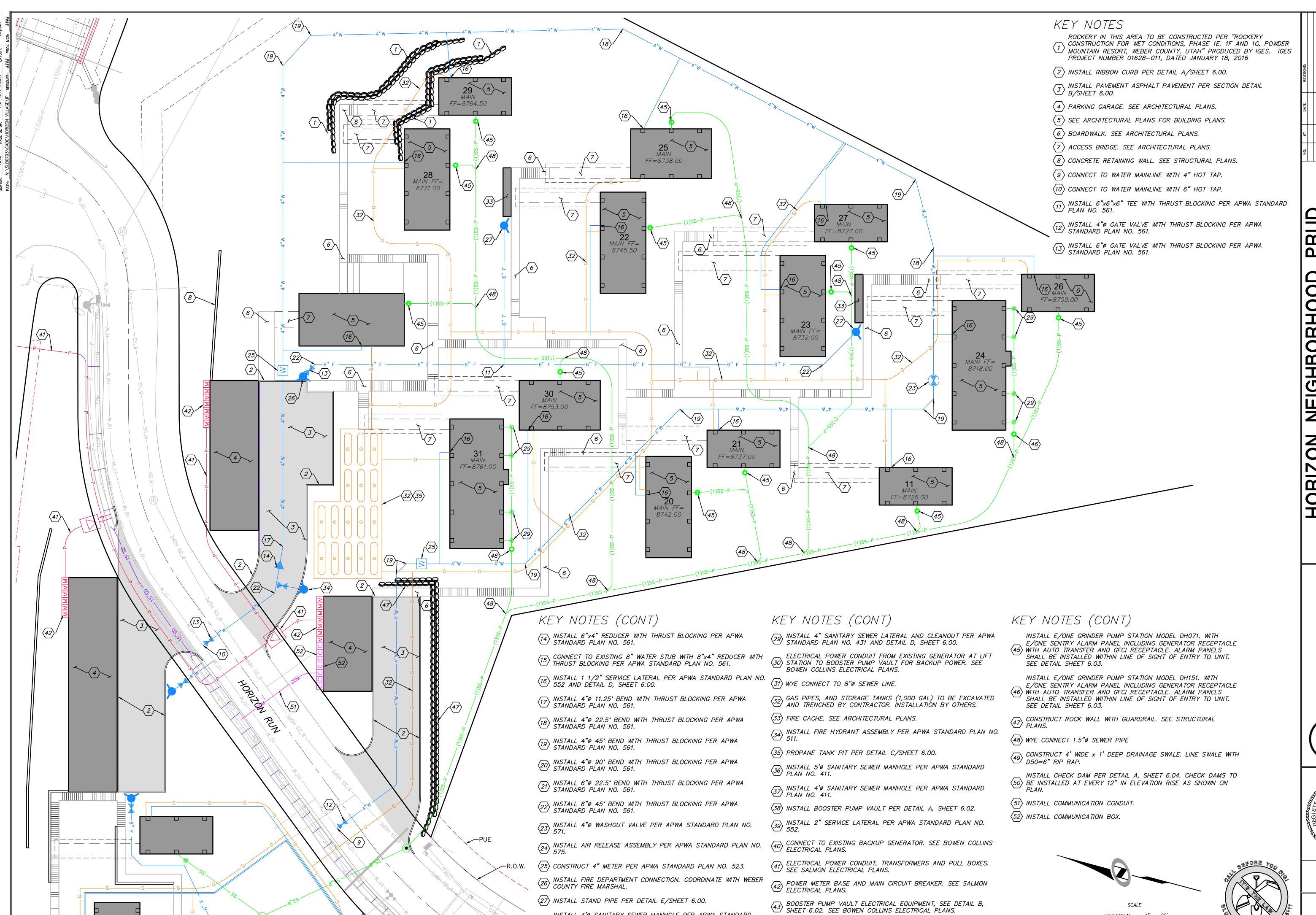




2.00

SCALE VERTICAL: 1"= N/A HORIZONTAL: 1"= 20'

JOB NUMBER **SLB0793** 



INSTALL 4'Ø SANITARY SEWER MANHOLE PER APWA STANDARD 28 PLAN NO. 411 WITH DEEP DROP INLET PER APWA STANDARD PLAN

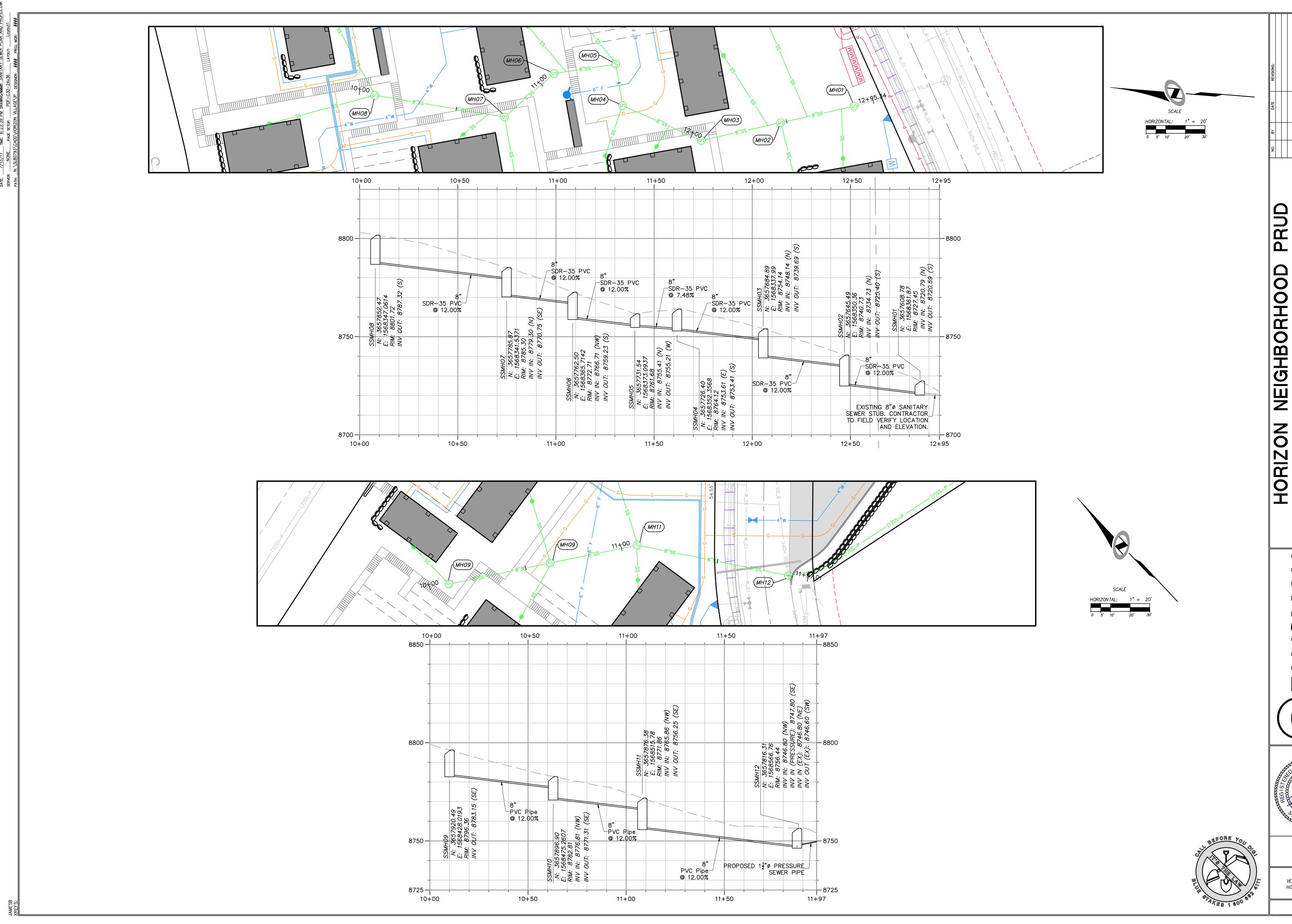
INSTALL RCP CLASS 3 CULVERT WITH FLARED END SECTIONS TO MATCH EXISTING FLOWLINE OF DRAINAGE CHANNEL

NEIGHBORH

2.01

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

JOB NUMBER **SLB0793** 



HORIZON NEIGHBORHOOD PRI SANITARY SEWER PLAN AND PROFILE DATE SUBMITTED: 07.14.17

PREPARED FOR: SUMMIT POWDER

TALISMANTS OF THE 200 MIRRAY IT 84107

No. 7899506 No. 78

SHEET NUMBER

SCALE

VERTICAL: 1"= N/A

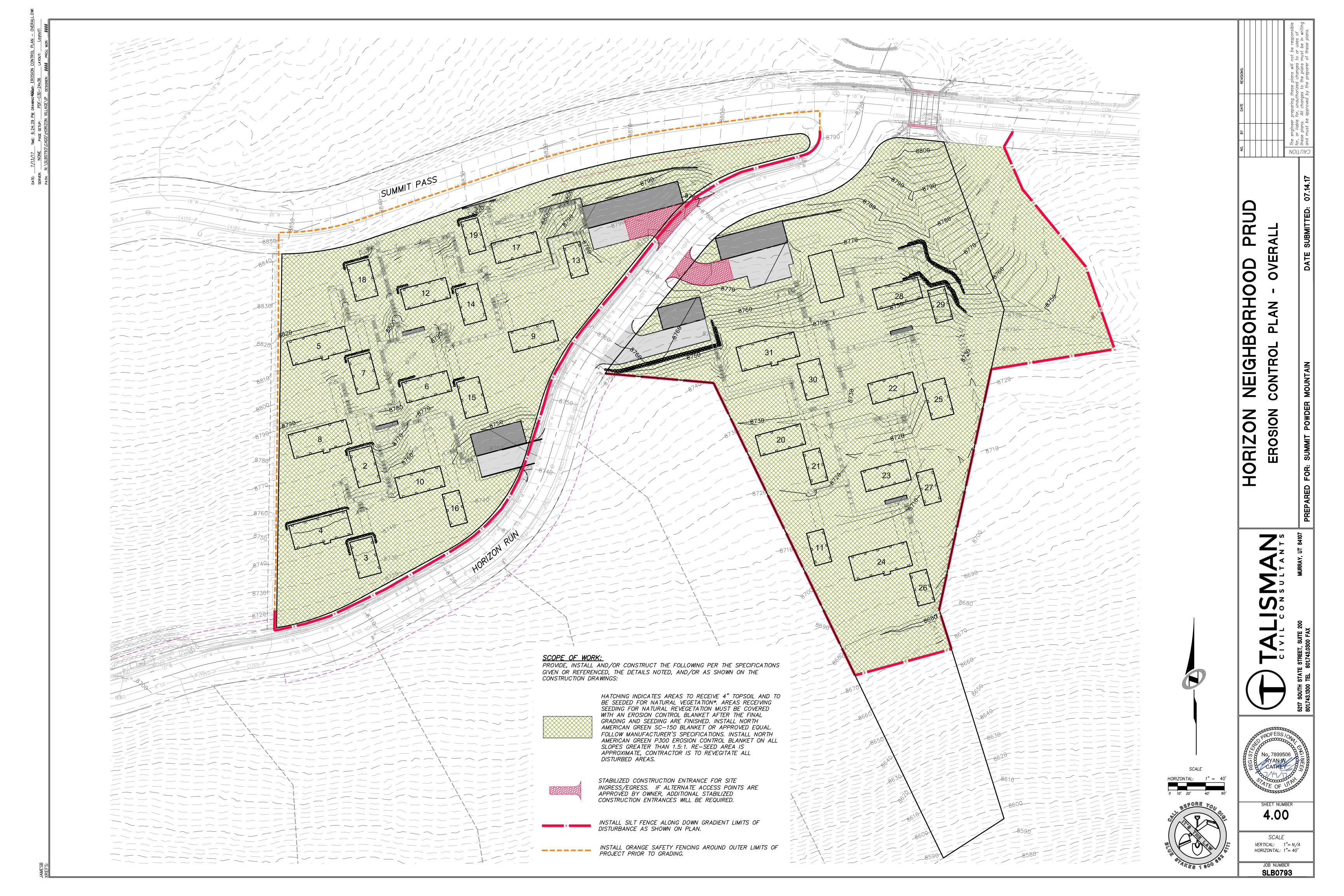
HORIZONTAL: 1"= 20'

JOB NUMBER

SLB0793







3" OF 3/4" PG-64-34 HMA

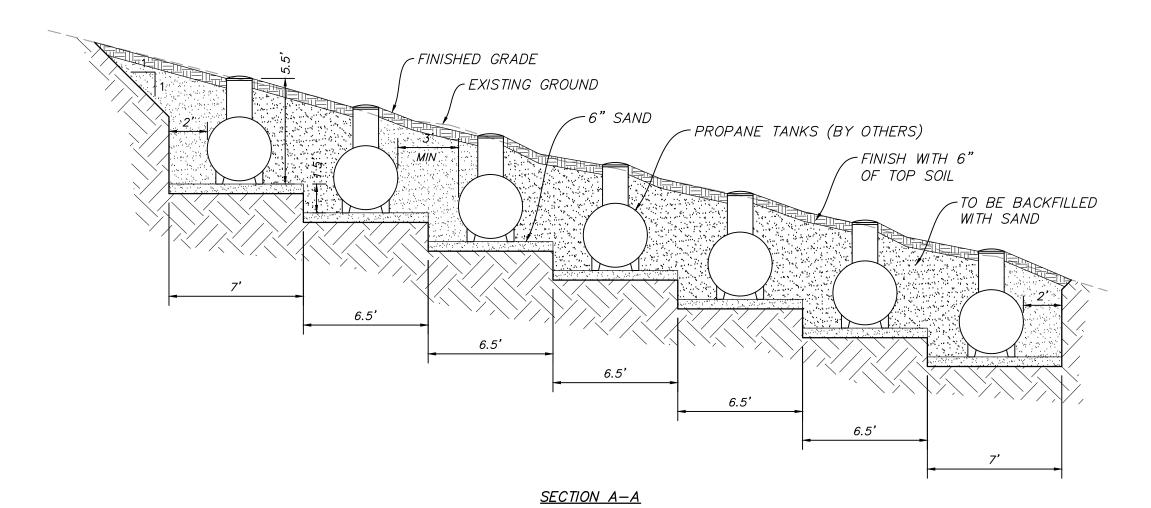
PLACED AND COMPACTED TO

92-96% THEORETICAL MAX PER

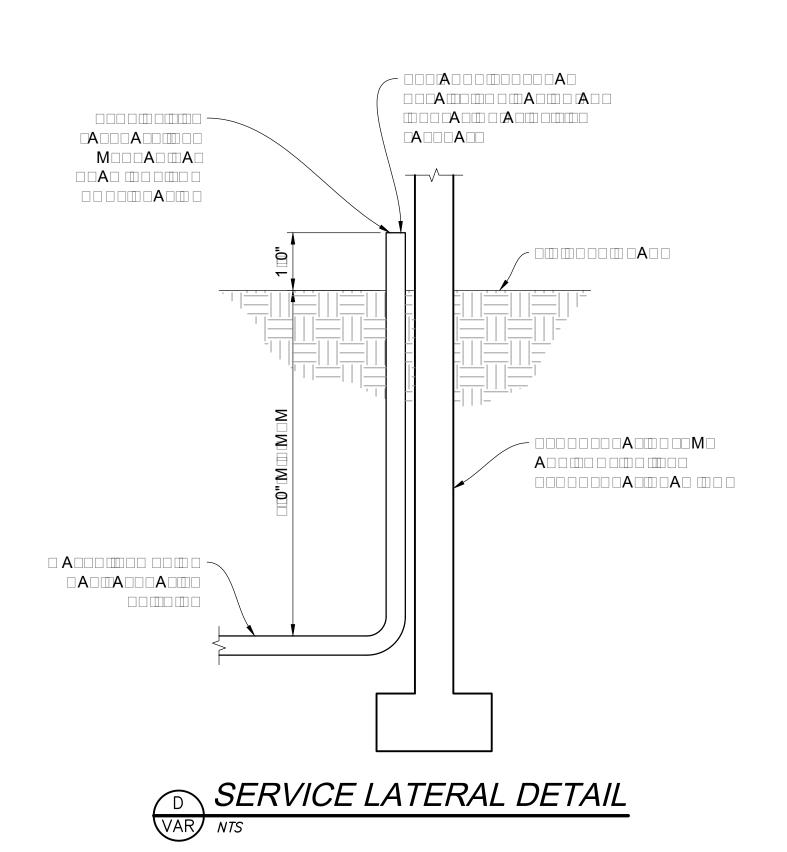
6" OF  $1\frac{1}{2}$ " UDOT STANDARD UTBC

8" OF 3" MINUS GRANULAR BORROW COMPACTED 95%

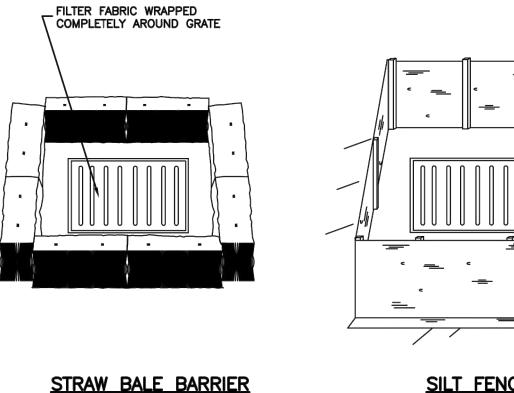
MODIFIED PROCTOR PER APWD 2012 STANDARD



# C PROPANE TANK PIT



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



(PLAN No. 121)

February 2006

February 2006

(PLAN No. 122)

124

Sheet 3 of 3

Stabilized roadway entrance February 2006

2" TO 4" SIZE COARSE AGGREGATE

SEDIMENT FABRIC UNDER GRAVEL

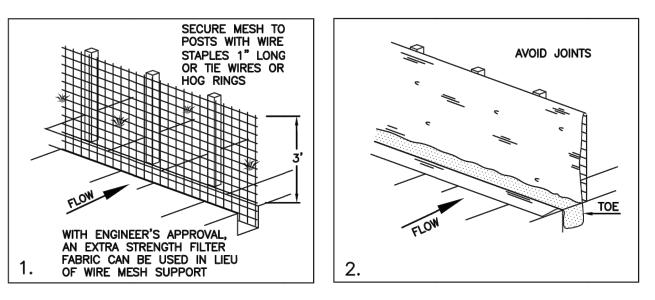
THIS PLAN MAY BE USED FOR THE CONSTRUCTION OF A STORM WATER BEST MANAGEMENT

PRACTICE (BMP). IT IS NOT INCLUSIVE OF ALL PRACTICES AVAILABLE AND IS ONLY SPECIFIC TO THE CONSTRUCTION OF THIS TYPE. MAINTENANCE OF THIS TYPE OF INSTALLATION IS IMPORTANT

AND SHOULD BE CONTINUOUSLY MONITORED BY THE CONTRACTOR AND ENGINEER. DETAILS SHOWN HERE HIGHLIGHT IMPORTANT PARTS OF CONSTRUCTION, AND SHOULD BE MODIFIED AS NEEDED.

126

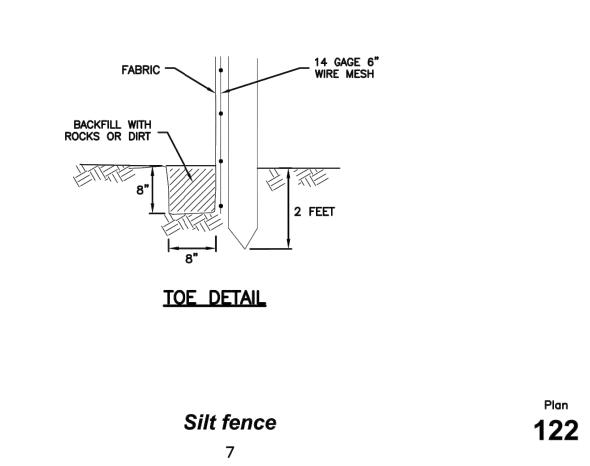
THIS PLAN MAY BE USED FOR THE CONSTRUCTION OF A STORM WATER BEST MANAGEMENT PRACTICE (BMP). IT IS NOT INCLUSIVE OF ALL PRACTICES AVAILABLE AND IS ONLY SPECIFIC TO THE CONSTRUCTION OF THIS TYPE. MAINTENANCE OF THIS TYPE OF INSTALLATION IS IMPORTANT AND SHOULD BE CONTINUOUSLY MONITORED BY THE CONTRACTOR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

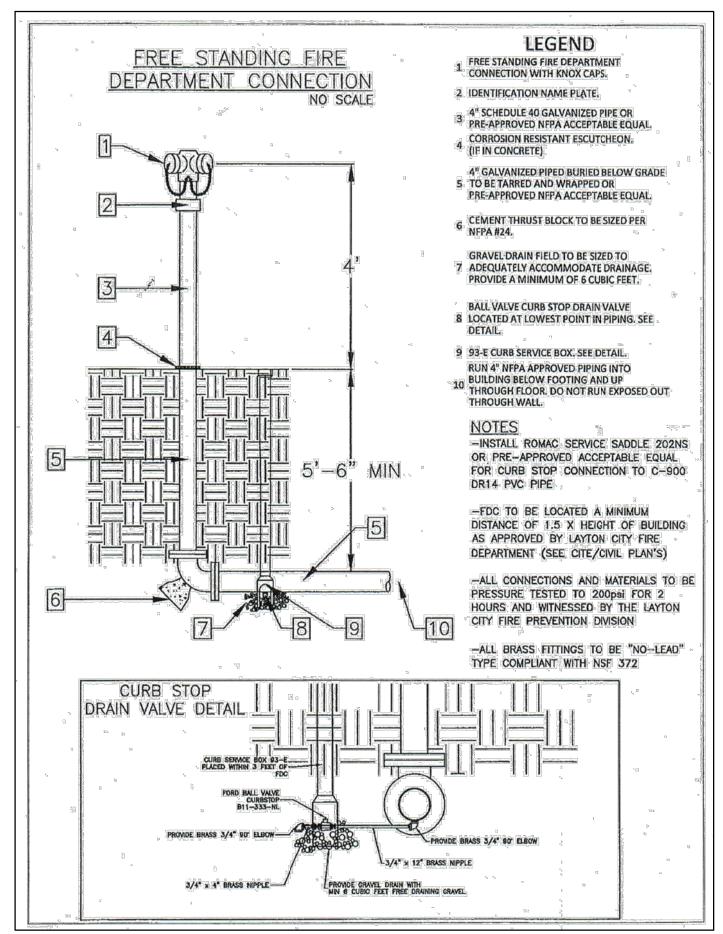


Inlet protection - fence or straw bale

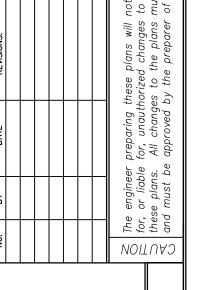
15



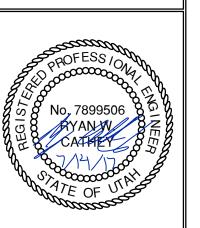




FIRE DEPARTMENT CONNECTION



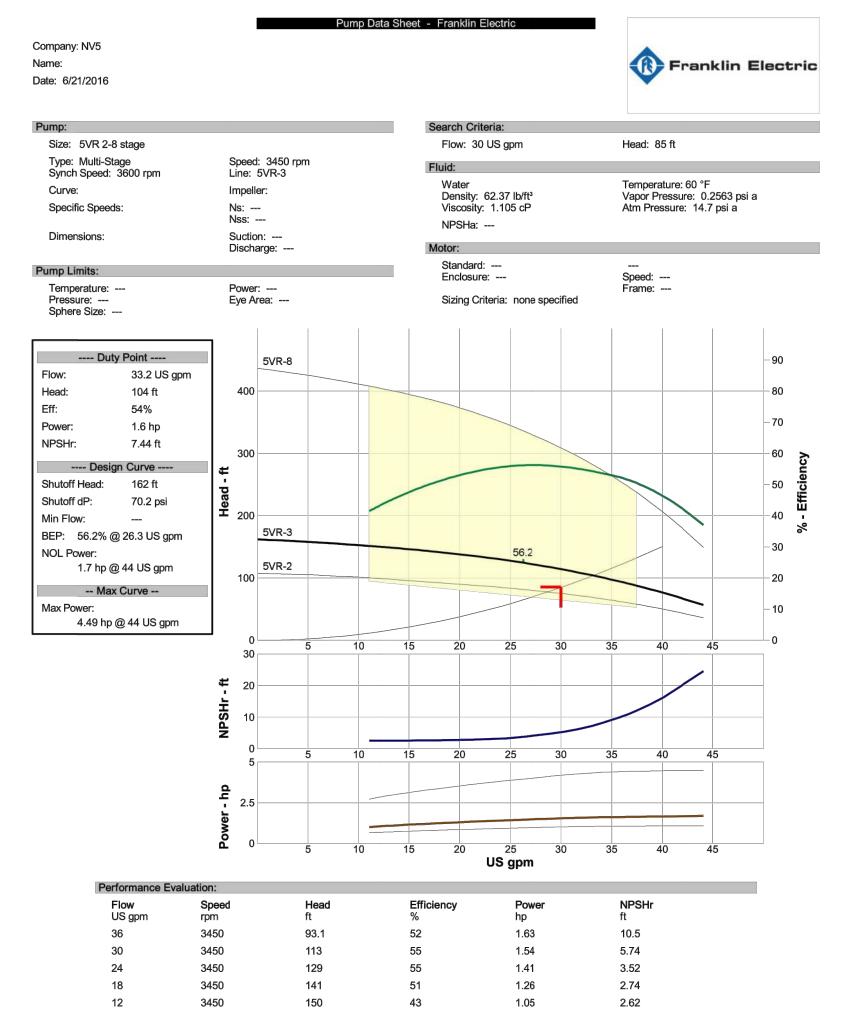
NEIGHBORH



SHEET NUMBER

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

SLB0793



Selected from catalog: FECentrifugal.60 Vers: 1.3

0616

### FLINT & WALLING Zoeller Family of Water Solutions™

Supersedes 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 - 6
	Pressure switch

100 PSI maximum working pressure Powder-coated exterior

Butyl rubber parabolic diaphragm

5 year Limited Warranty

and interior

SHEET 2 OF 2



132663

133517

136876

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

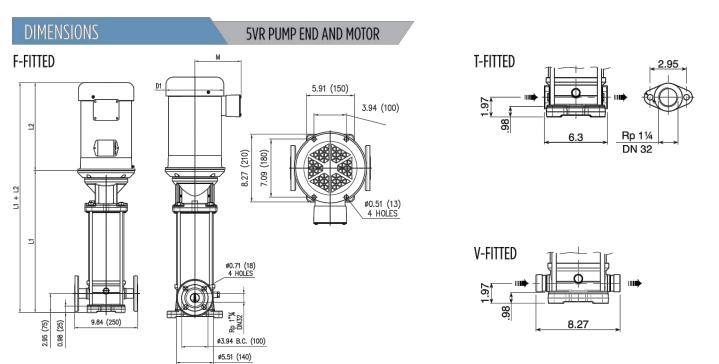
Part No.	Total Tank Vol. Gallons		down - C I Setting		Approx. Size In. Dia x Ht	Ship Wt Lbs	NPT Size/	Factory Precharge	Max Working Pressure (PSI)	Max Working Temp	
	voi. Gallons	20/40	30/50	40/60	Dia X nt	LDS	IVIIL	PSIG	Pressure (PSI)		
131009	2	0.7	0.6		8-1/4 x 10-1/5	5	3/4" M	28	100	140	
132477	4.6	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 v 61-1/4	165	1-1/// 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





Pu	ımp Enc	l Dimens	ions (in)		PL	ımp End	d Dimens	ions (in)	F-Fitted*: Round flanges on body type PN25—pump is sup
Stages	HP	11 F"	Model No.		Stages	HP	L1 'F"	Model No.	joints, bolts, and counter flanges.
2	1	13.49	5VR2-60 N		9	5	20.14	5VR9-60 N	
3	1.5	14.44	5VR3-60 N		10	5	21.08	5VR10-60 N	T-Fitted: Oval flanges on body type PN16—pump is suppli-
4	2	14.99	5VR4-60 N		11	7.5	21.54	5VR11-60 N	counter flanges for pipe to be screwed, joints, and bolts.
5	3	15.93	5VR5-60 N		12	7.5	22.48	5VR12-60 N	
6	3	17.29	5VR6-60 N		13	7.5	23.43	5VR13-60 N	W Fitted Constitution with social fitting to the 186 decisions
7	5	18.25	5VR7-60 N	J	14	7.5	24.37	5VR14-60 N	V-Fitted: Connections with rapid fittings type "Victaulic®".
8	5	19.19	5VR8-60 N		15	7.5	25.31	5VR15-60 N	supplied without collars.

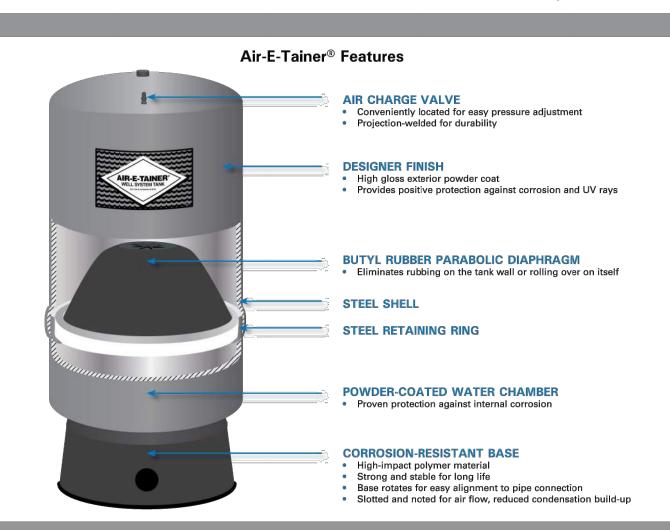
d\*: Round flanges on body type PN25—pump is supplied without bolts, and counter flanges. d: Oval flanges on body type PN16—pump is supplied without oval

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

								Motor	Dimer	sions	(in)								
Phase	HP	Frame	Standard Efficiency ODP			Premium Efficiency ODP			Phase	Standard E	fficien	cy TEF(		Standard E	fficien	cy TEFC			
Pildse	пР	ridille	Volts	L2	М	D1	Volt	L2	М	D1	Pridse	Volts	L2	М	D1	Volt	L2	М	D1
	1	56C		11.22	5.06	6.19							11.35	5.19	6.19		11.35	5.19	6.19
	1.5	560		12.72	5.06	6.2	N/A	NI/A	NI/A	NI/A			11.97	5.19	6.19	F7F	11.97	5.19	6.19
7	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	313	12.85	5.19	6.19
)	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	NyA	IN/A	N/A	N/A
Dhaca	IID	Framo	Premium E	fficien	cy TEF	5	Premium E	fficien	cy TEF(		Dhasa	Standard E	fficien	cy ODF	)	Standard E	fficien	cy TEFC	
Phase	HP	Frame -	Premium E Volt	fficien L2	cy TEF0	D1	Premium E Volts	ifficien L2	cy TEF( M	D1	Phase	Standard E Volts	fficien L2	cy ODF M	D1	Standard E Volt	fficieno L2	cy TEFC M	D1
Phase	HP 1	Frame -					The same of the sa				Phase				1				1
Phase	HP 1 1.5	2 in Nimerota	Volt	L2	M	D1	Volts	L2	М	D1	Phase		L2	М	D1		L2	М	D1
	1	56C					The same of the sa				Phase	Volts	L2 12.72	M 5.06	D1 6.19	Volt	L2 12.25	M 5.55	D1 7.19
Phase 3	1	56C 56C	Volt	L2	M	D1	Volts	L2	М	D1	Phase 1	Volts	L2 12.72 12.73	M 5.06 5.06	D1 6.19 6.2	Volt 115/230	L2 12.25 13.25	M 5.55 5.74	D1 7.19 7.19
	1	56C 56C 56C	Volt	L2	M	D1	Volts	L2	М	D1	Phase 1	Volts 115/230 230	12.72 12.73 13.24 12.94	M 5.06 5.06 5.61 5.73	D1 6.19 6.2 7.19 6.62	Volt	12.25 13.25 14.12	M 5.55 5.74 6.62	D1 7.19 7.19 7.19
	1	56C 56C 56C 56C	Volt N/A	L2 N/A	M N/A	D1 N/A	Volts N/A	L/2 N/A	M N/A	D1 N/A	Phase 1	Volts 115/230	12.72 12.73 13.24	5.06 5.06 5.61	D1 6.19 6.2 7.19	Volt 115/230	12.25 13.25 14.12 14.12	M 5.55 5.74 6.62 5.79	7.19 7.19 7.19 7.19 7.19

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

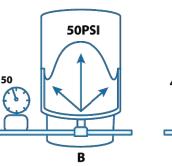






range.

Air-E-Tainer® tank in a typical 30/50 pressure A. Tank is pre-pressurized with

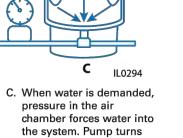


B. When pump starts, water

shuts off.

enters the reservoir. At 50

psig, system is filled. Pump



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

30PSI

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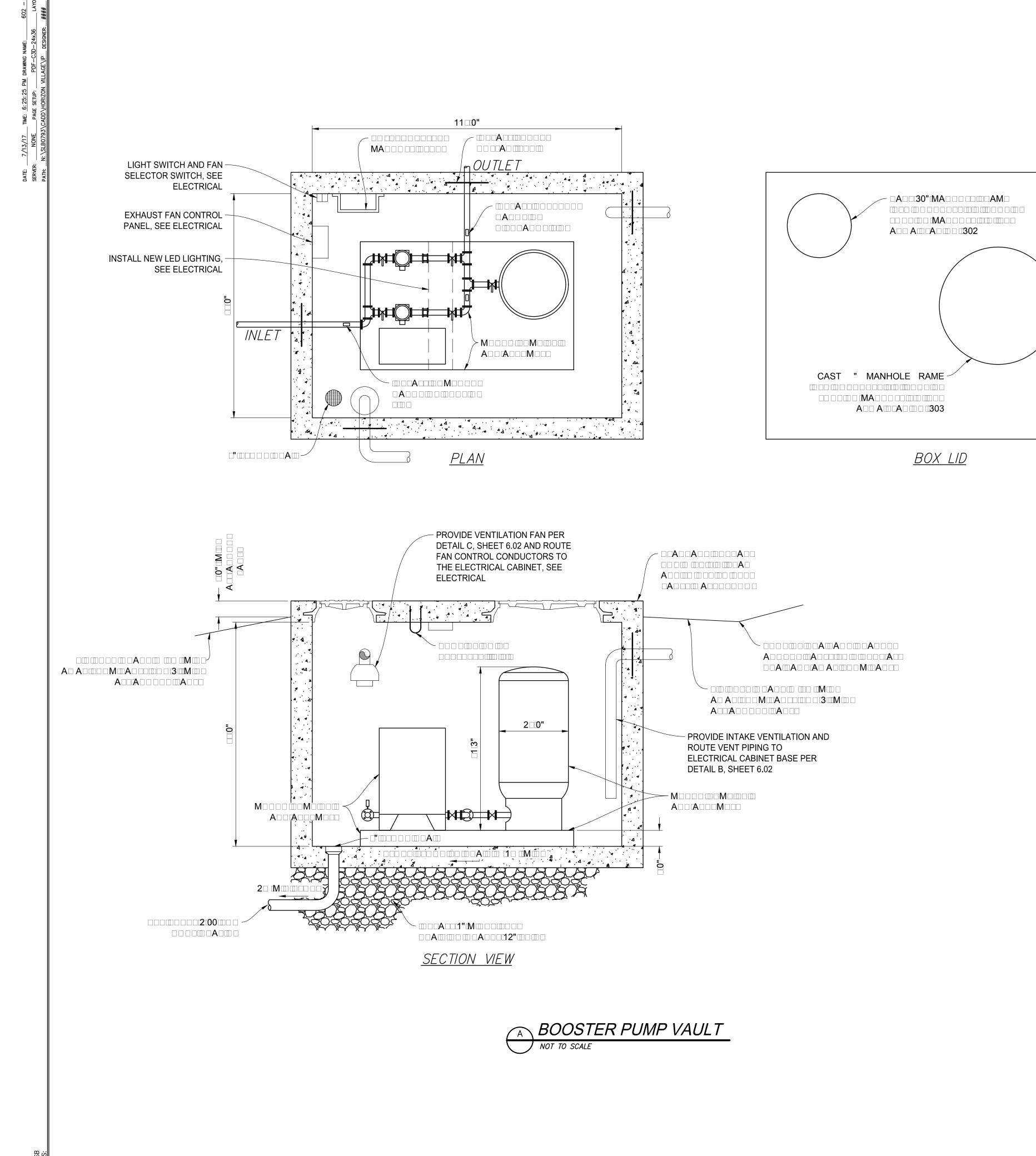


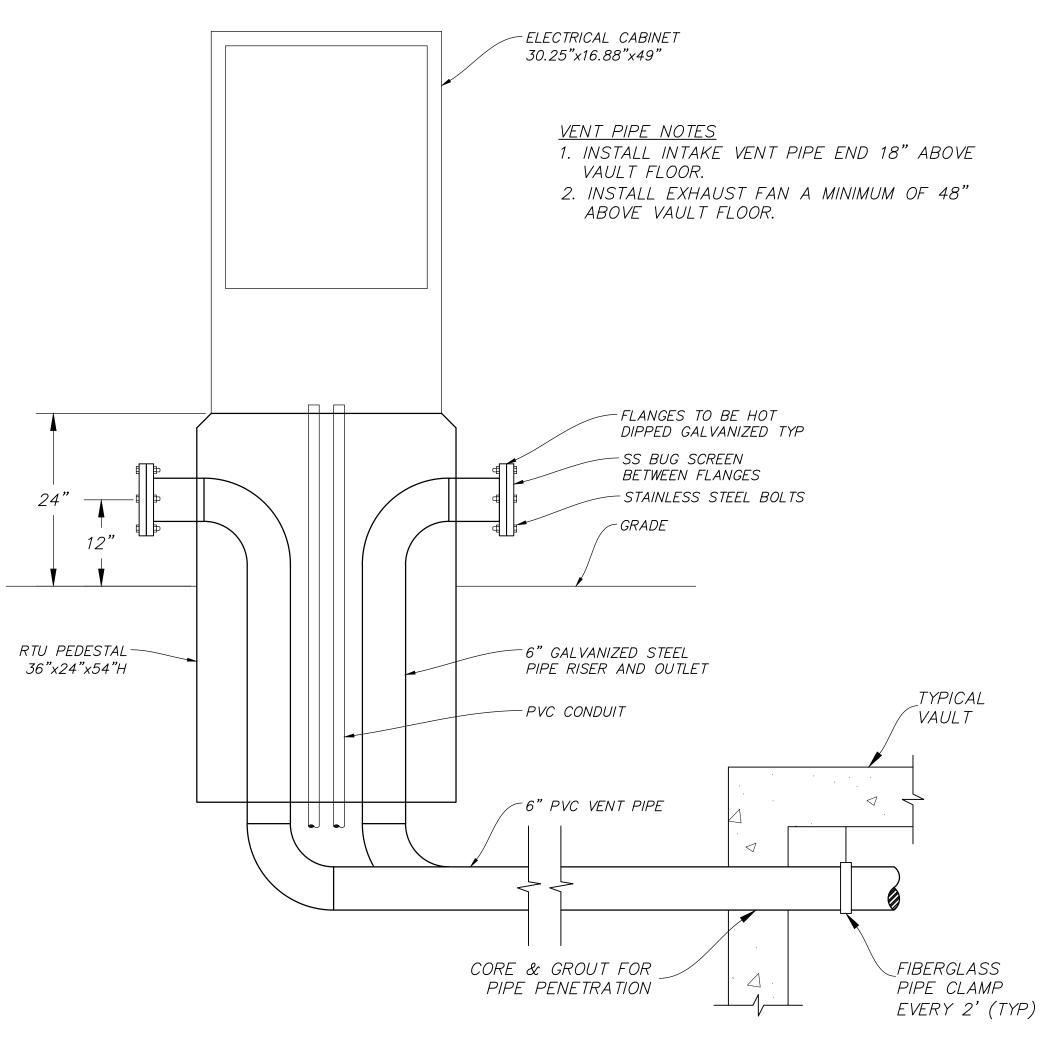
NEIGHBORHOOD

6.01

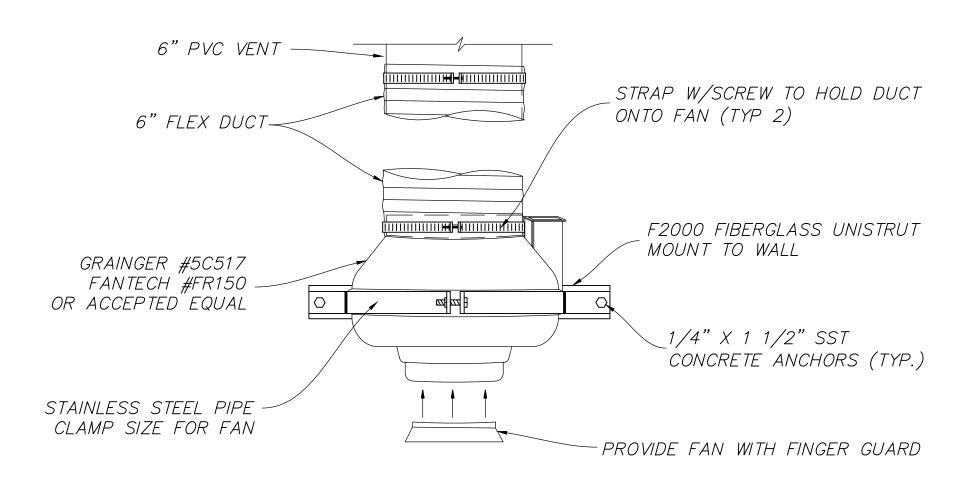
SCALE VERTICAL: 1"= N/A HORIZONTAL: 1"= N/A JOB NUMBER

SLB0793



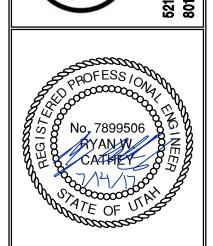












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CAUTION

NEIGHBORHOOD

SHEET NUMBER
6.02

SCALE

VERTICAL: 1"= N/A

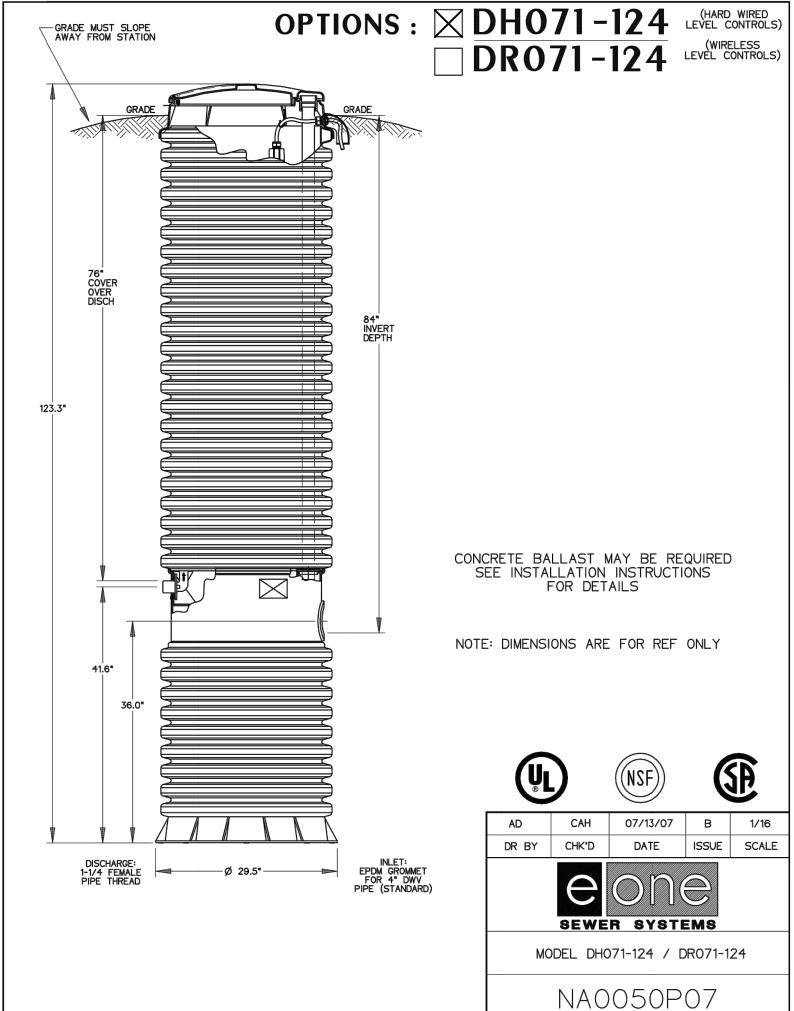
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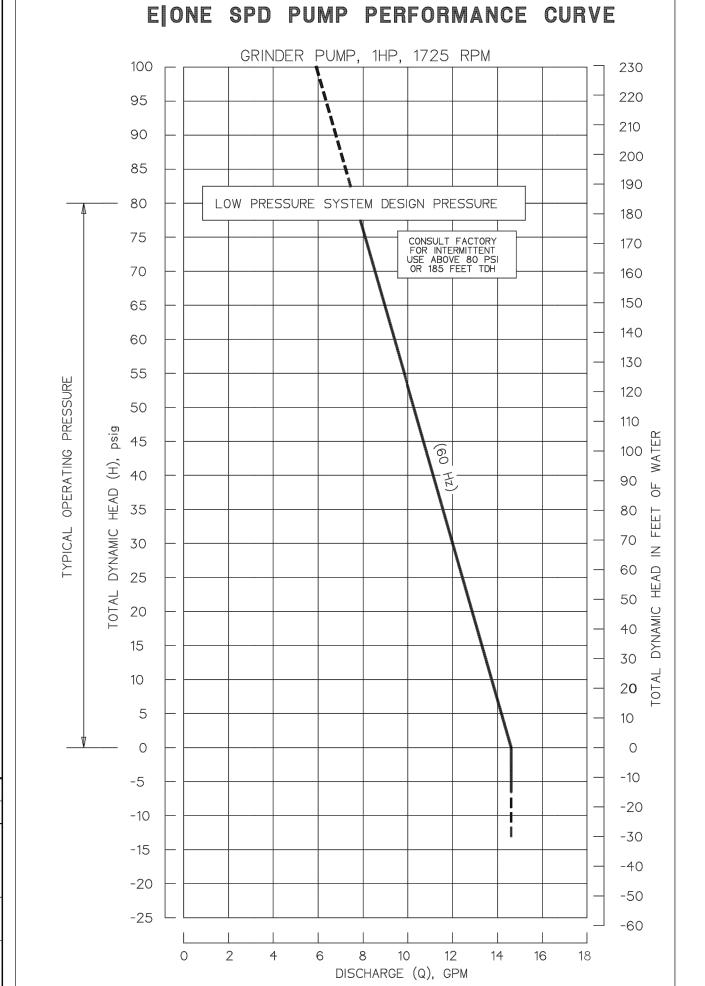
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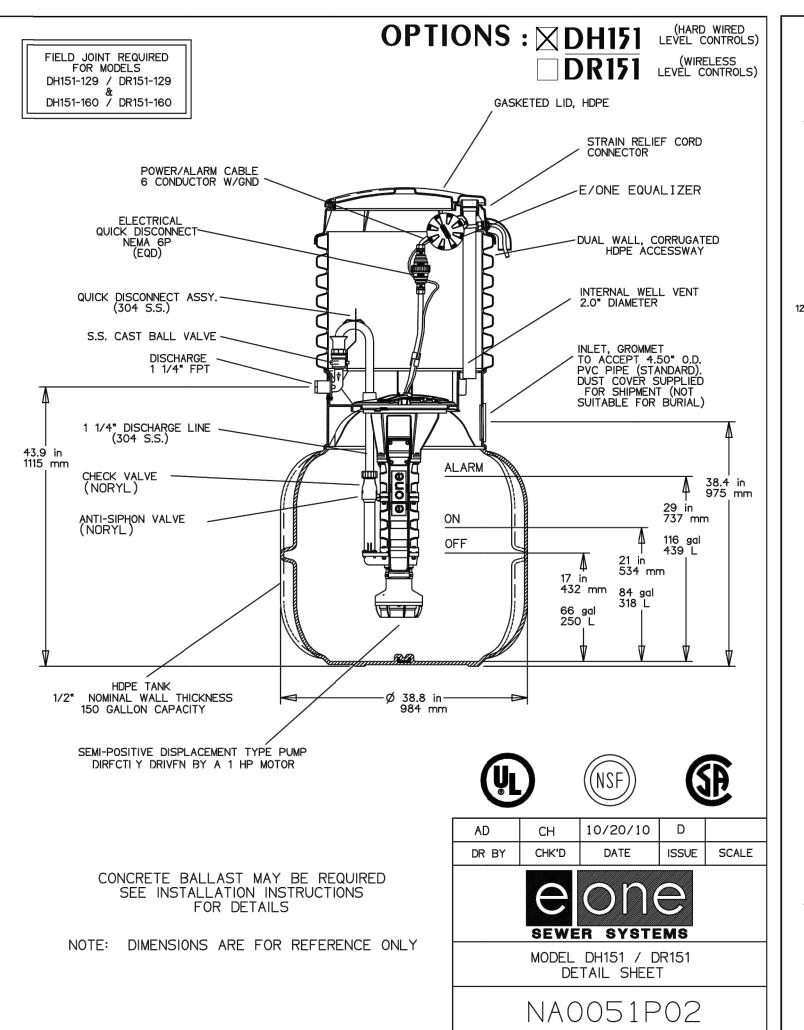
SLB0793

SCAL VERTICAL: HORIZONTAL

NOTE: DIMENSIONS ARE FOR REF ONLY



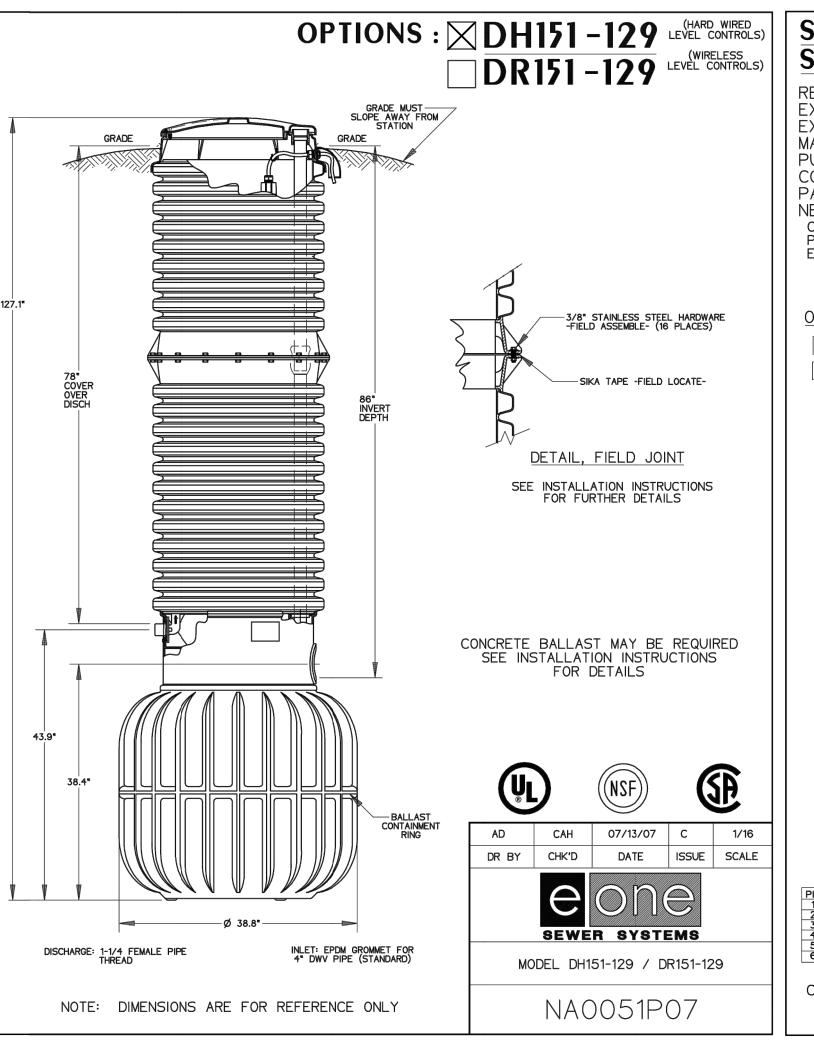


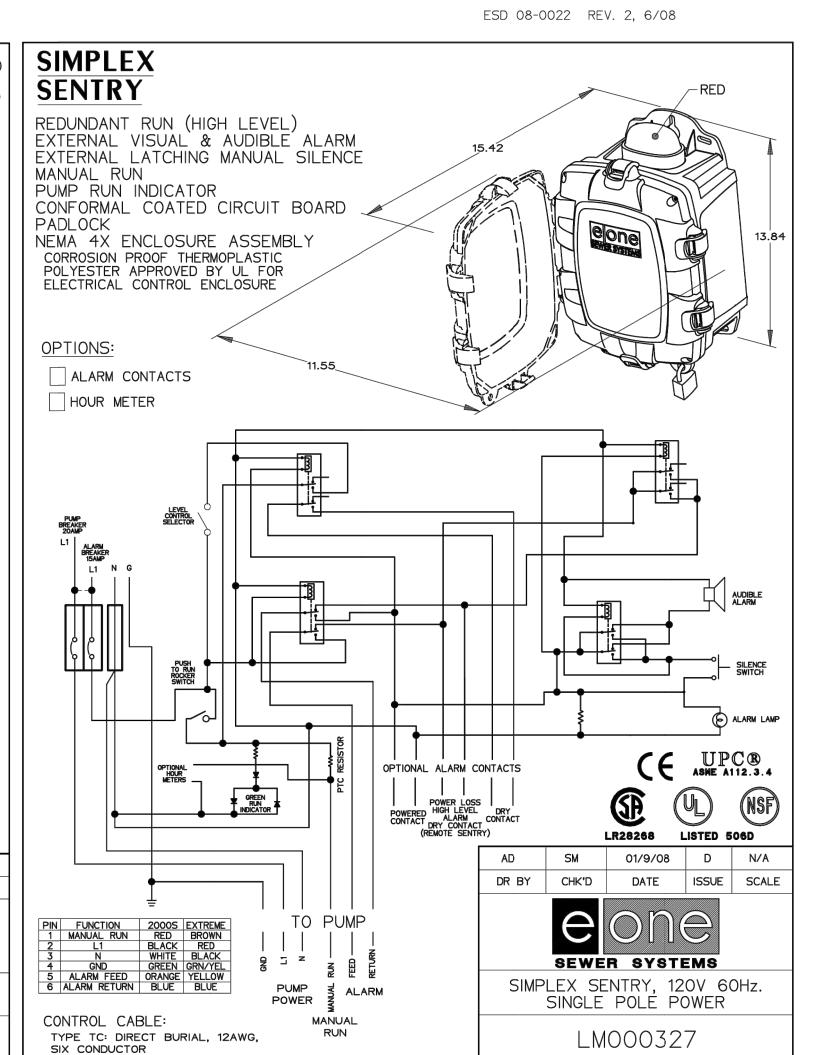


MODEL DH071 / DR071

DETAIL SHEET

NA0050P02



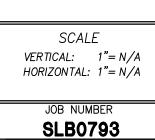


# HORIZON NEIGHBORHOOD P SEWER EJECTOR DETAILS

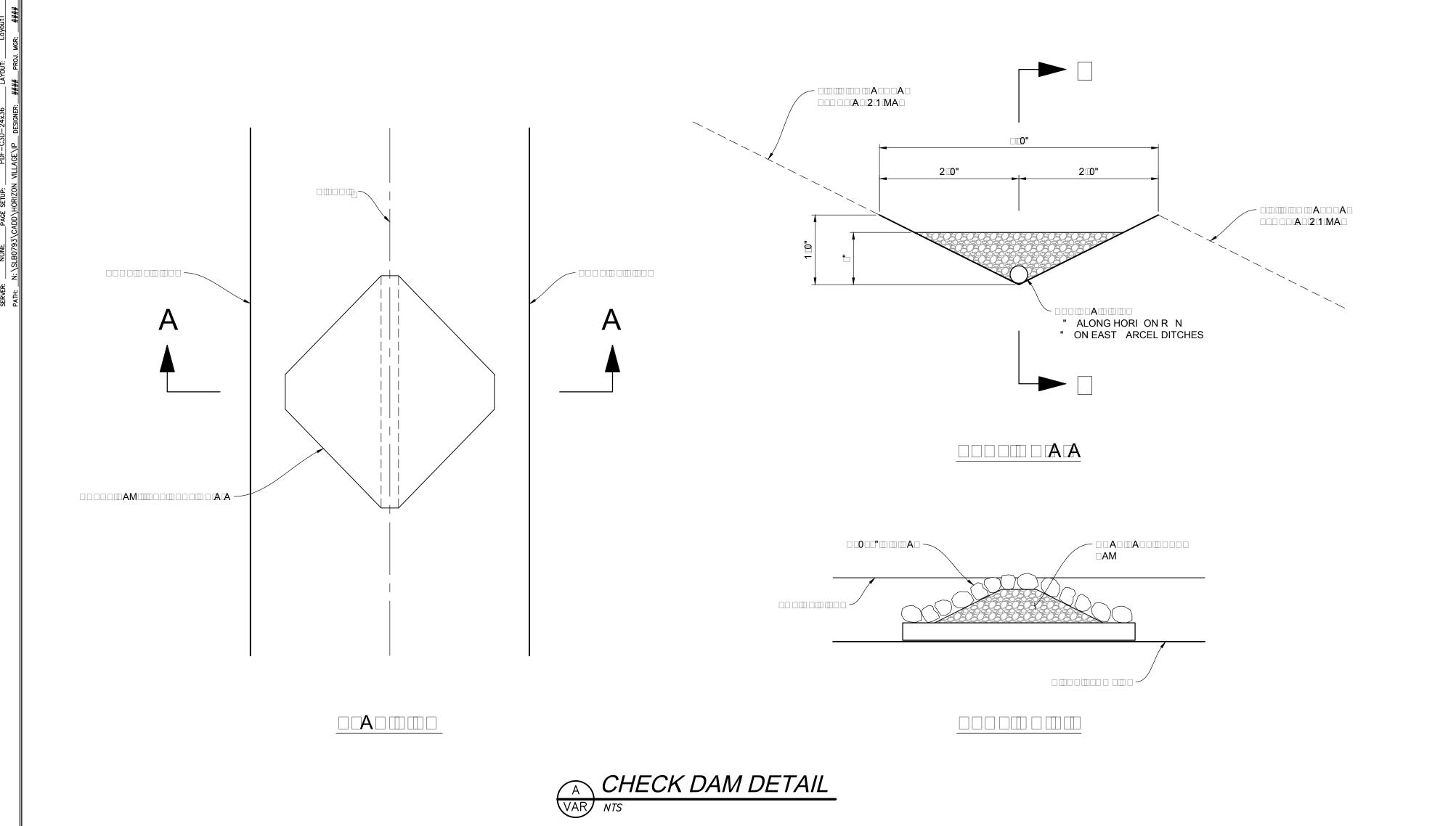
TALISMAN SULTANTS

PROFESS / ONLY CATHER OF STATE OF USE OF U

SHEET NUMBER
6.03

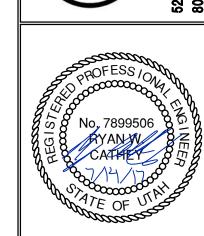




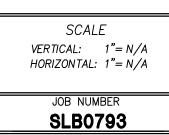


HORIZON NEIGHBORHOOD PRUD

TALISMAN CIVIL CONSULTANTS



SHEET NUMBER
6.04



### 4" washout valve

### 1. GENERAL

- A. Before backfilling, secure inspection of installation by ENGINEER.
- B. Water mains 12-inches and larger will require a special washout assembly design.

### 2. PRODUCTS

- A. Base Course: Untreated base course, APWA Section 32 11 23. Do not use gravel as a base course without ENGINEER's permission.
- B. Backfill: Common fill, APWA Section 31 05 13. Maximum particle size 2-inches. C. Concrete: Class 4000, APWA Section 03 30 04.

### 3. EXECUTION

- A. Pour concrete against undisturbed soil.
- B. Apply tape wrap to the exterior of all galvanized pipe per AVWVA C209.
- C. Place plastic sheet at least 6 mils thick over drain gravel to prevent silting. D. After installation of washout valve assembly, verify the washout valve riser drains to
- E. Backfill and Base Course Placement: Maximum lift thickness is 8-inches before compaction. Compaction is 95 percent or greater of a modified proctor density, APWA Section 31 23 26.

### Air release assembly

### 1. GENERAL

- A. This drawing detail is applicable to water main piping less than 16-inches diameter.
- B. PCCP, steel, MLAC and other water main pipe materials will require special detail or design drawings. Submit the design and detail drawings and materials to the ENGINEER for review before installation.
- C. Installation in areas of high ground water or potential for water entering the vent pipe will require a special design to be provided by the ENGINEER.
- D. Before backfilling around the assembly, secure inspection of installation by ENGINEER.

### 2. PRODUCTS

- A. Base Course: Untreated base course, APWA Section 32 11 23. Do not use gravel as a base course without ENGINEER's permission.
- B. Drain Gravel: Sewer rock, ASTM size no. 3 (2" to 1") or equal, APWA Section 31 05
- C. Backfill: Common fill, APWA Section 31 05 13. Maximum particle size 2-inches.
- D. Concrete: Class 4000, APWA Section 03 30 04.
- E. Manhole: Riser, ASTM C 478.
- F. Reinforcement: Deformed, steel, ASTM A 615. Give bars an epoxy coating at least 15 mils thick. Minimum stress yield strength of steel tie-down bars is 70,000 ksi.
- G. Small Fittings: Brass. Do not use galvanized materials.
- H. PVC Pipe and Fittings: Schedule 40, APWA Section 33 05 07.
- I. Water Tight Wall Seal: Waterproof, compressible.

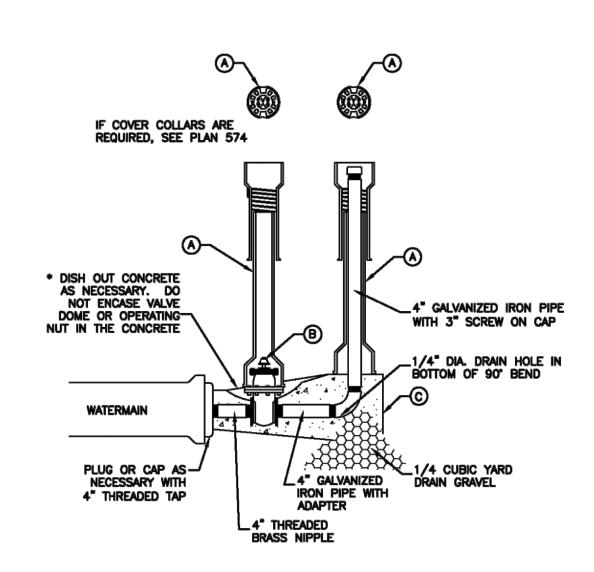
### 3. EXECUTION

- A. Base Course and Backfill Placement: Maximum lift thickness is 8-inches before compaction. Compaction is 95 percent or greater relative to a modified proctor density, APWA Section 31 23 26.
- B. Apply tape wrap to the exterior of all buried steel pipe per AVWA C209.
- C. Concrete Placement: APWA Section 03 30 10. Provide 1/2-inch radius edges. Apply a broom finish. Apply a curing agent.
- D. Service saddle is required on all PVC and AC pipe taps unless specified otherwise. Ductile iron and cast iron pipe may be direct tapped.

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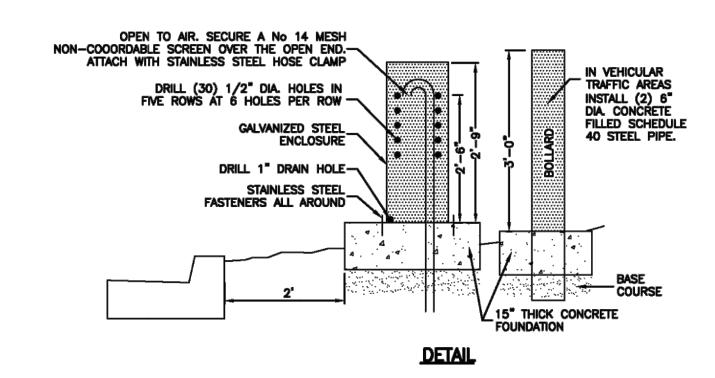
- E. Seal manhole joints water-tight and ground flush with interior wall.
- F. Follow applicable AVWVA and NSF standards when connecting piping.

G. If diameter of air relief valve is greater than 2-inches, provide piping to match its diameter from water main connection to open to air.



	LEGEND								
No.	ITEM	DESCRIPTION							
<b>(A)</b>	VALVE BOX WITH LID	2 PIECE CAST IRON							
B	4" GATE VALVE WITH SCREW ENDS	2" x 2" OPERATING NUT							
0	CONCRETE THRUST BLOCK	PLAN 561							

ROADWAY SURFACE LANDSCAPED SURFACE RESTORATION RESTORATION SEE DETAIL CONCRETE COLLAR\_ (PLAN 413) 60" DECK ADJUST TO GRADE (PLAN 345) (PLAN 360) 6" WIDE DETECTABLE TAPE REDUCER AND\_ 1% SLOPE UNION OR COUPLING USE THREADED BRASS PIPING \_1" VACUUM AND AIR RELEASE VALVE \_\_2" SCH 40 PVC PIPE AND FITTINGS HOLES IN BOTTOM OF BEND AND CLAMP ON SS MESH WITH SS WATER TIGHT \_1" BALL VALVE SEAL ALL OPENINGS \_\_5' dia concrete Riser sections as Needed STRAPS. (OMIT IF IN WATER TABLE) \_1/4 CU. YD. OF 2" GRAVEL FOR DRAIN. WRAP WITH GEOTEXTILE \_ BACKFILL ALL AROUND CONCRETE BASE (PLAN 562) CROSS-SECTION



SCALE VERTICAL: 1"= N/A

571

Air release assembly February 2011

February 2011

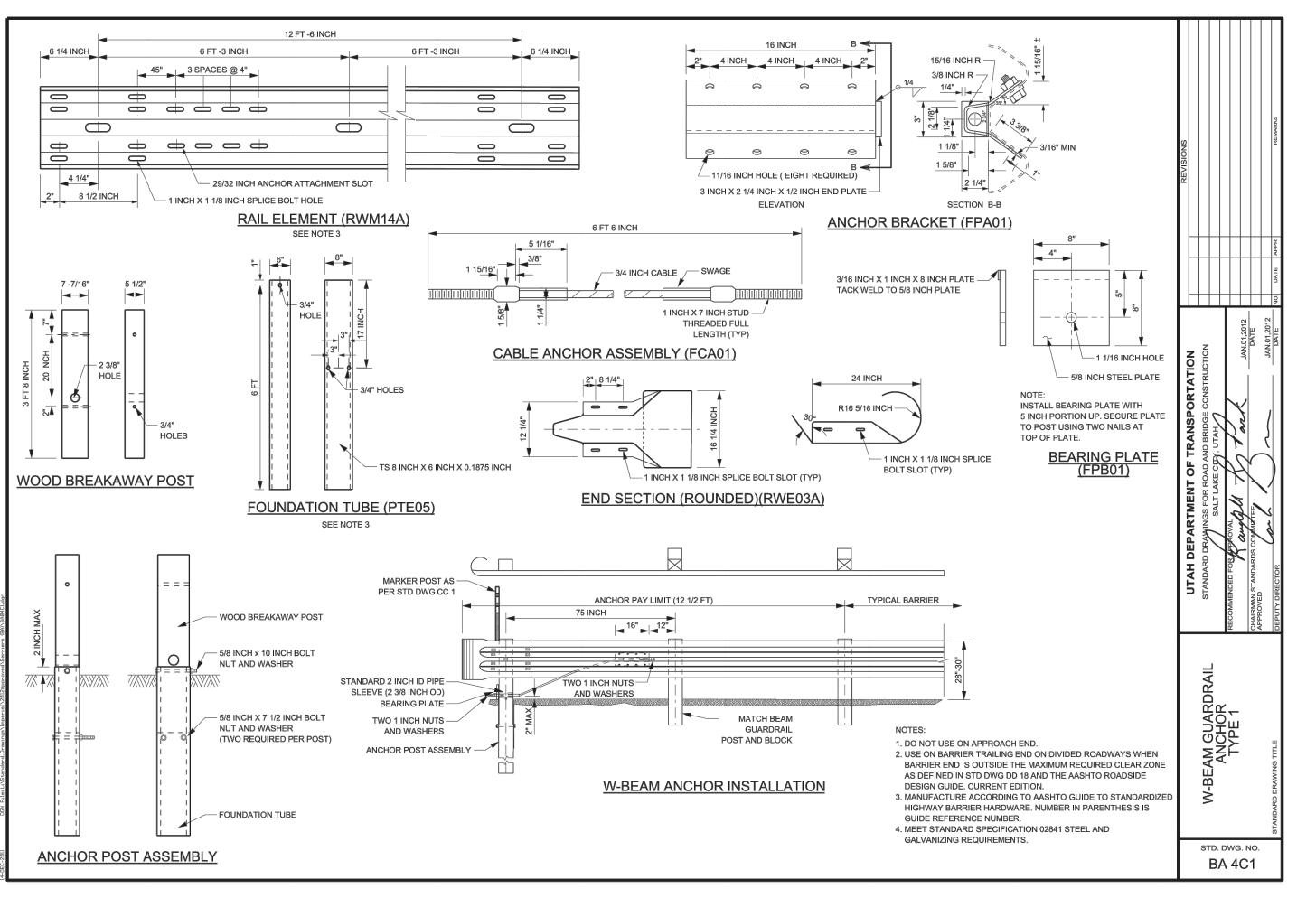
4" Washout valve 271

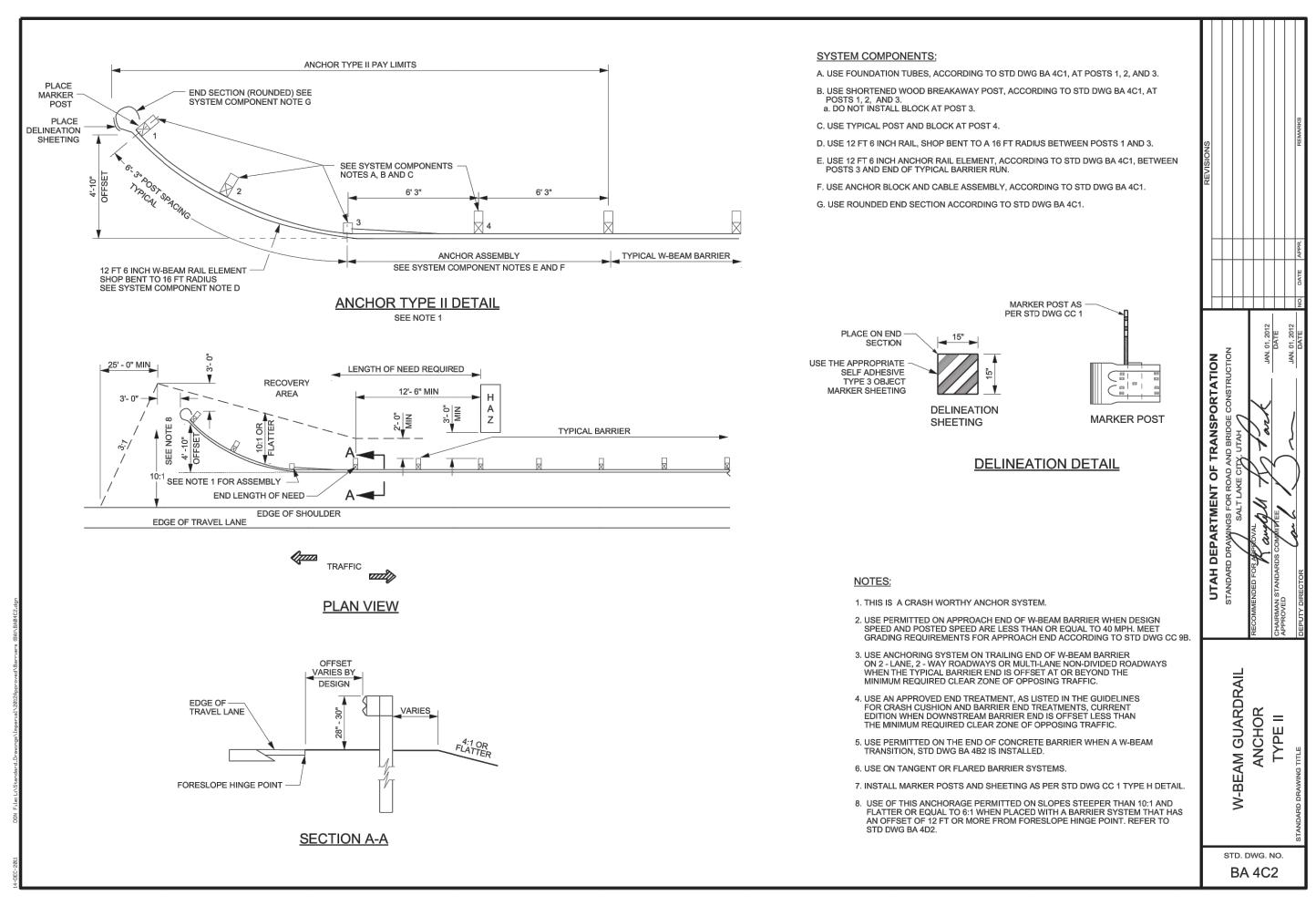
279

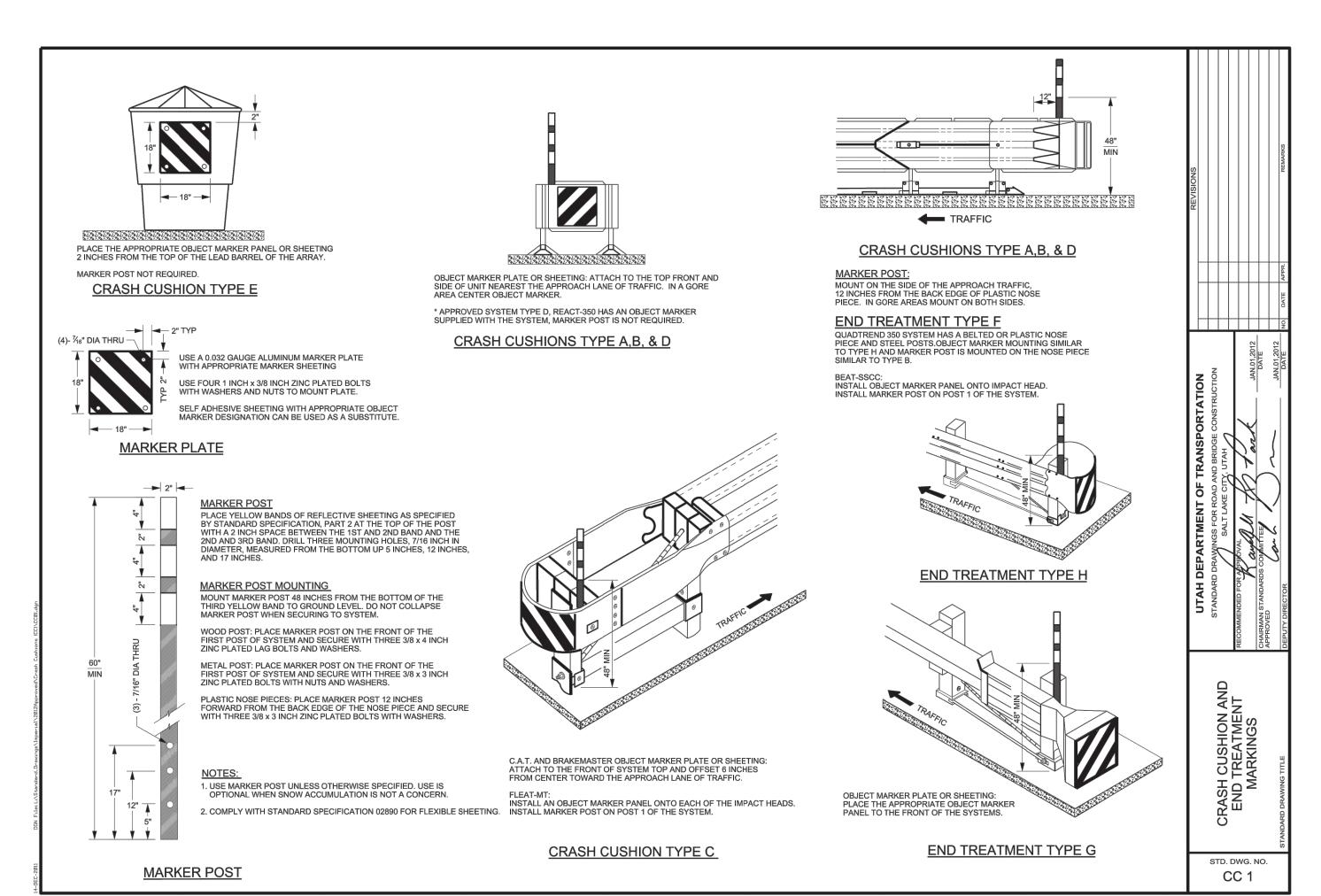
HORIZONTAL: 1"= N/A JOB NUMBER **SLB0793** 

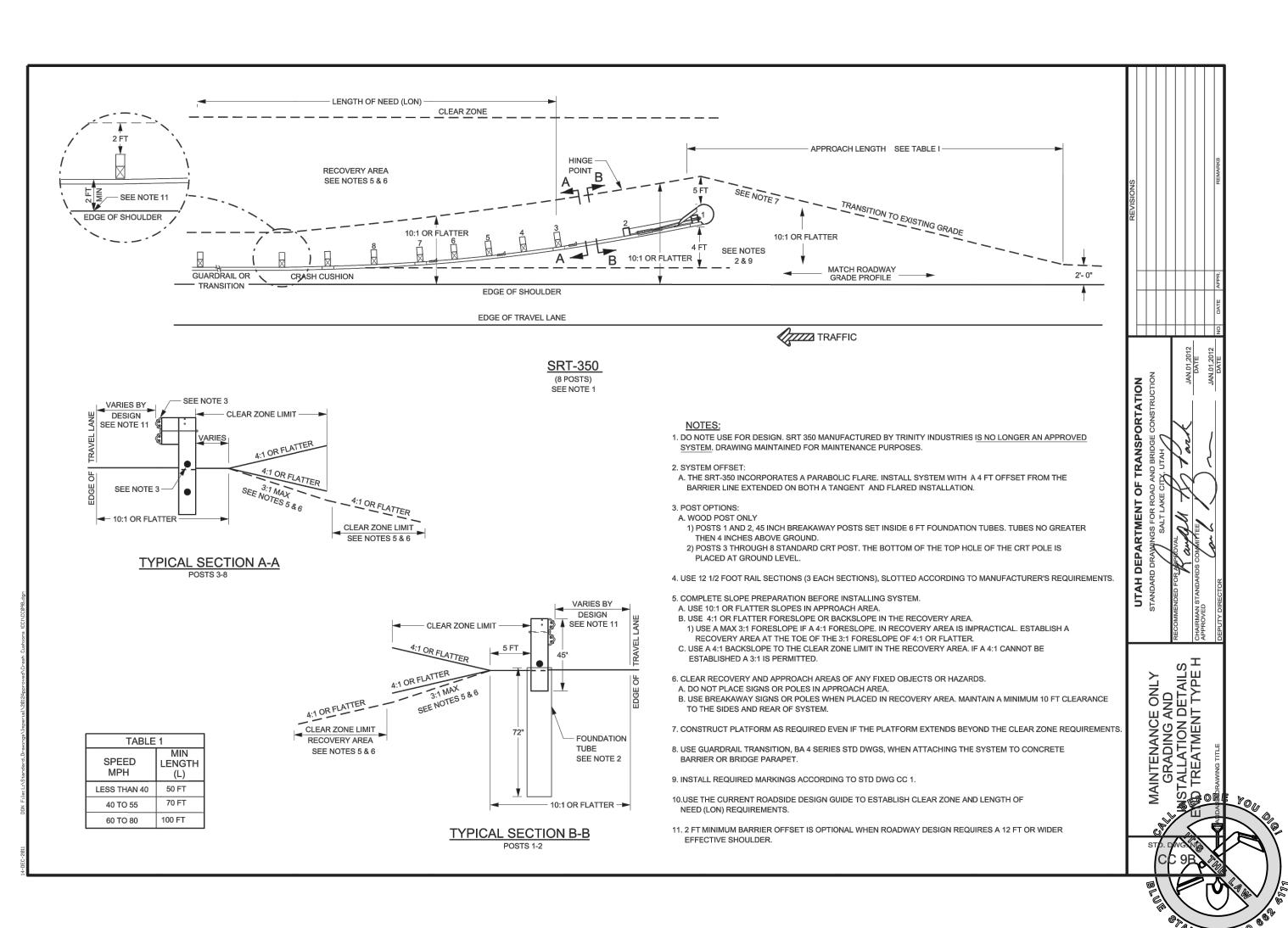
NOITUAD

NEIGHBORHO





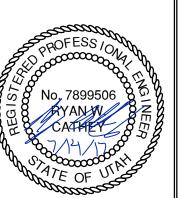




# HORIZON NEIGHBORHOOD PRUD GUARDRAIL DETAILS

TALISMAN

5217 SOUTH STATE STREET, 8 801.743.1300 TEL 801.743.030



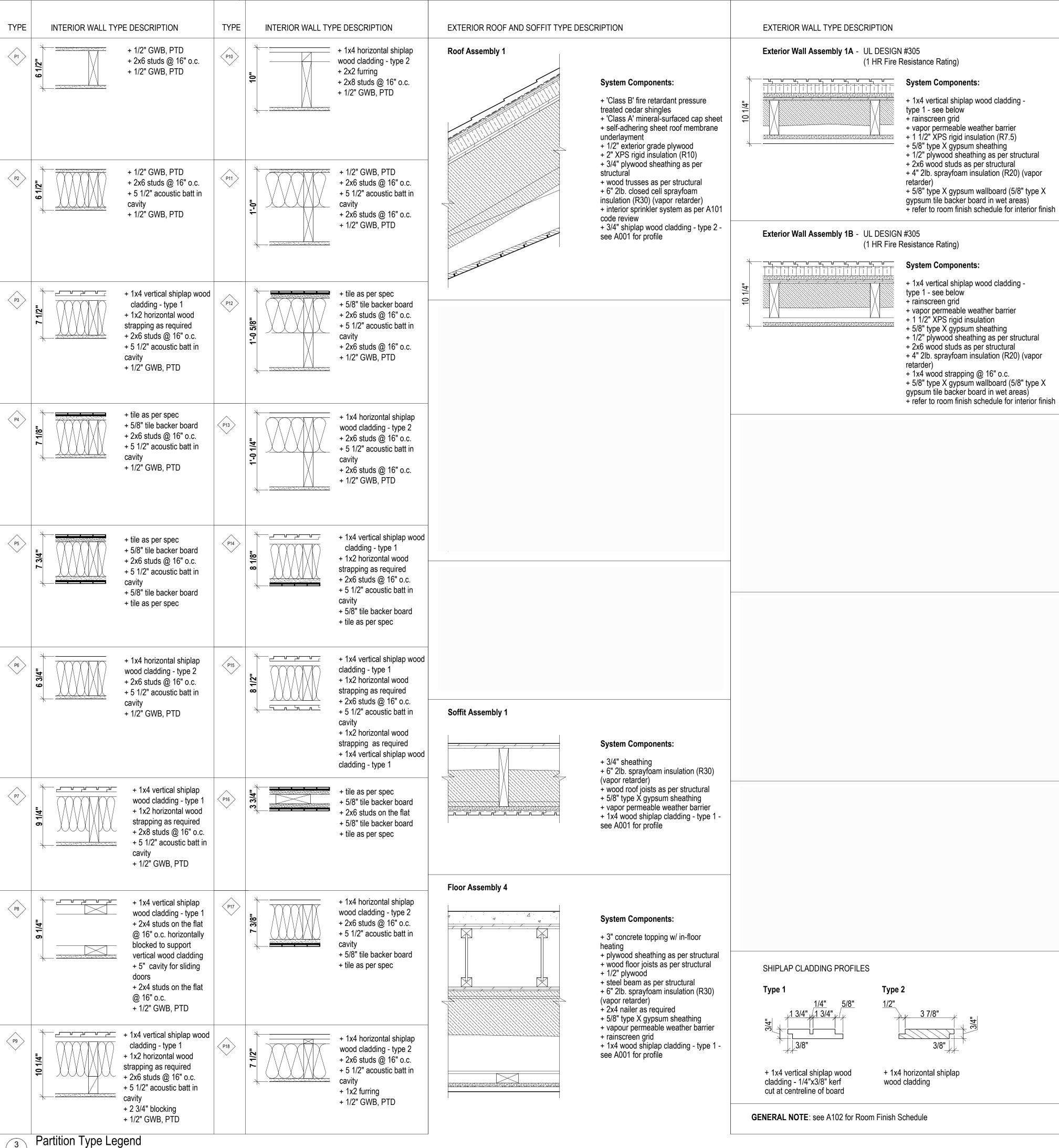
SHEET NUMBER

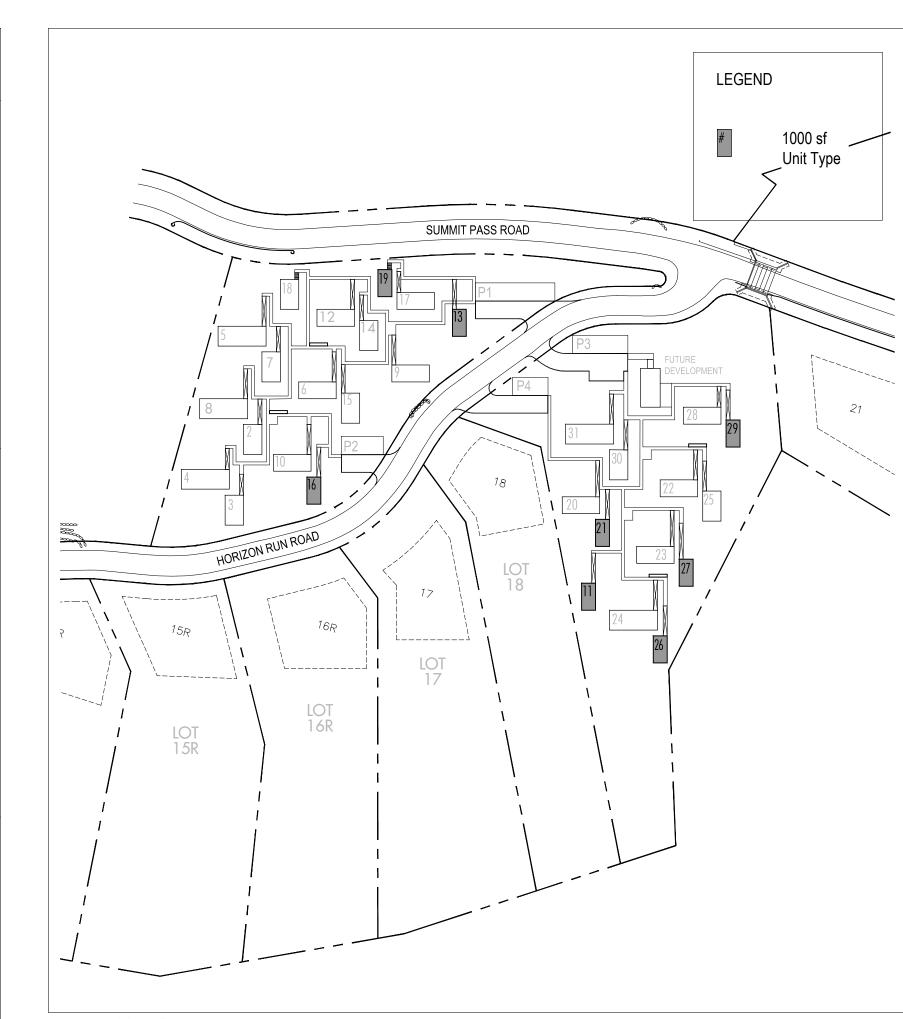
SCALE

VERTICAL: 1"= N/A

HORIZONTAL: 1"= N/A

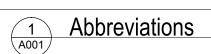
JOB NUMBER
SLB0793

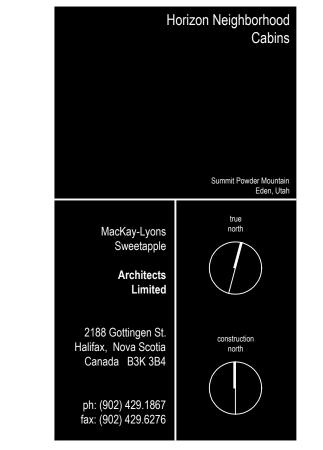














Issued for Const. Rev. 1	21.07.2017
Issued for Construction	17.03.2017
Issued for FDN Permit	28.10.2016
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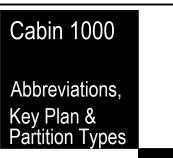
DIMENSIONS:

All dimensions must be verified as site. Denotes

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 International Residential Code.

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

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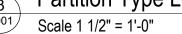


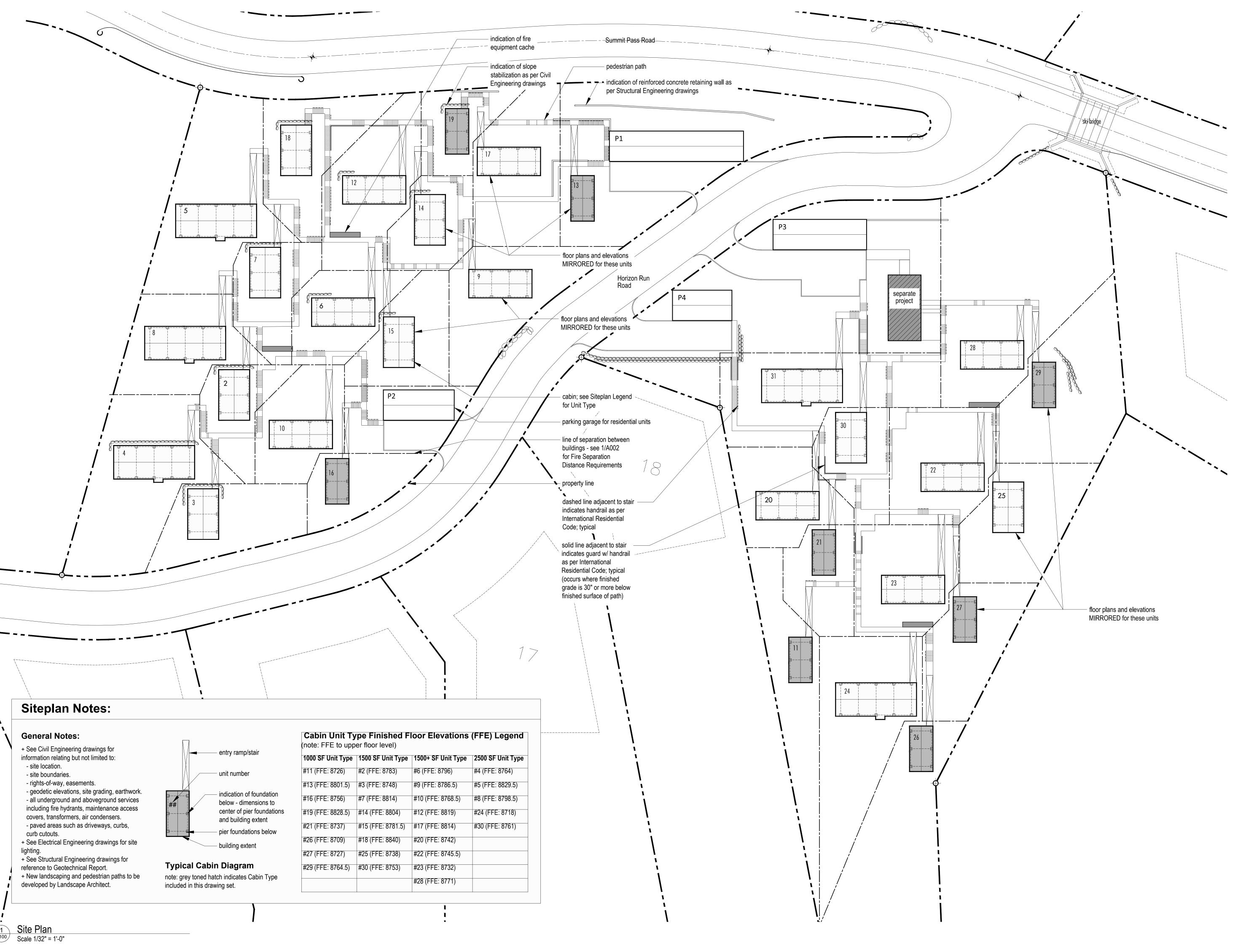
scale: varies date: 16-07-18

drawn: MJ/JL

chk'd: BML

A001





2188 Gottingen St. Halifax, Nova Scotia

Canada B3K 3B4 ph: (902) 429.1867 fax: (902) 429.6276



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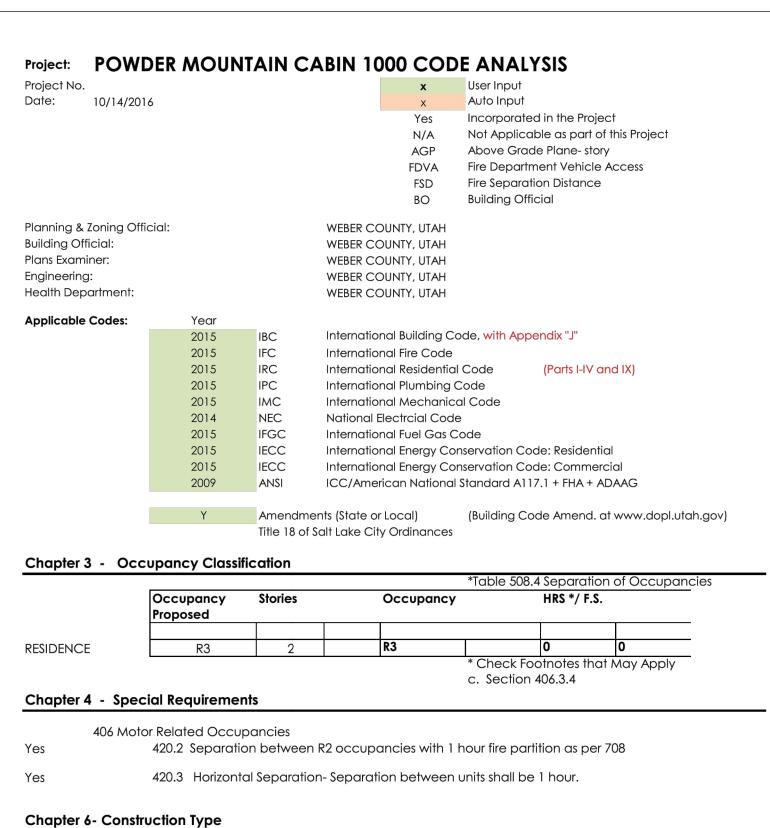
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Cabin 1000

Site Plan

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

drawn: DP



### Fire-Rating per Occupancy\* Occupancy Туре VB VB Bearing Walls Ext. Bearing Walls Int. Nonbearing walls & part at ext. Nonbearing walls & part at int. Floor Construction + Second. members Roof Construction + Second. members \* Check footnotes that might apply

	Table 602: Fire Resi	stance for Ext	erior wall/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		16	
Yes	x≥30	All		0	

### Chapter 5 - General Building Heights and Areas Strategy

	IBC 2015: Table 504.3, 50	)4.4, 506.2	IA, VA H <sub>t</sub>	IA, VA S <sub>t</sub>	IA/ VA A <sub>t</sub>	Aa	A <sub>a</sub>
Mark whi	ch Strategy Taken:	Occ	Height (ft)	Story	Area (sf)	Area (sf)	Area (sf)
	Accessory Occ:						
		R3	55	4*	UNLIMITED		1,332
	Incidental Acc. Occ:						
Χ	Single Occ:						
	1 the 1 O						
	Mixed Occ:						
	Nonseparated Uses:			Insert e	each A <sub>t</sub>		
	nonseparated uses.				<u> </u>		<u> </u>
	Separated Uses:	* 4 STORIES	S ALLOWED WI	TH FIRE SPRINK	LERS PER NFPR 13 OR 13R	<b>)</b>	

506.1 Area Ca	lculation		(To	otal Building)				
Aa	=.	At	+	At If	+	At Is		
		Aa	=	Allowable Area (	per Floor			
		At	=	Tabular Area pe	r Table 503 (square	e feet)		
		If	=	Area increase d				
		Is	=	Area increase d	ue to sprinkler prot	ection		
At	=	UNLIMITED		3: Type V-B, Grou	•			
If	=	0.00		.2 See calculation				
ls	=	0	Sec. 506.3	3 Fully Sprinkled: 2	00% for Multi-Story	Building / 30	00% for Single Sto	ry
Aa	=	UNLIMITED	+	0	0.0000	+	0	
Aa	=	UNLIMITED	+	0	+	0		
Αa	=	UNLIMITED	sf	ALLOWABLE AR	EA PER FLOOR			
	×	2	Multiply b	y number of storie	s - 506.4 (Max. 300)	% increase)		
		UNLIMITED	sf	ALLOWABLE AR	EA OF BUILDING			
656		UNLIMITED  AREA PER BUILDING		OK, ALLOWABLE				
656		UNLIMITED		OK, ALLOWABLE				
656  ACTUAL AREA  1,332  506.2 Frontage	< ALLOWABLE /	UNLIMITED  AREA PER BUILDING  UNLIMITED		OK, ALLOWABLE				
656  ACTUAL AREA  1,332	< ALLOWABLE /	UNLIMITED  AREA PER BUILDING  UNLIMITED  F	0.25	OK, ALLOWABLE				
656  ACTUAL AREA  1,332  506.2 Frontage	< ALLOWABLE A e Increase =	UNLIMITED  AREA PER BUILDING  UNLIMITED  F P		OK, ALLOWABLE W 30				
656  ACTUAL AREA  1,332  506.2 Frontage  If	< ALLOWABLE A Increase = = =	UNLIMITED  AREA PER BUILDING  UNLIMITED  F P Area Increase	due to fro	OK, ALLOWABLE  W 30 ontage		oo baying 20	O foot minimum /	footl
656  ACTUAL AREA  1,332  506.2 Frontage  If  If  F	< ALLOWABLE A Increase = = = = =	UNLIMITED  AREA PER BUILDING  UNLIMITED  F P Area Increase Building perime	due to fro	OK, ALLOWABLE  W  30  ontage h fronts on a public		ce having 20	0 feet minimum (	feet)
656  ACTUAL AREA  1,332  506.2 Frontage  If	< ALLOWABLE A Increase = = =	UNLIMITED  AREA PER BUILDING  UNLIMITED  F P Area Increase Building perime Perimeter of el	due to fro eter which	OK, ALLOWABLE  W  30  ontage h fronts on a public	c way or open spa		0 feet minimum (	feet)
656  ACTUAL AREA  1,332  506.2 Frontage  If  If  F  P  W	< ALLOWABLE A Increase = = = = = = = = =	UNLIMITED  AREA PER BUILDING  UNLIMITED  F P Area Increase Building perime Perimeter of et Width of public	due to fre eter which ntire build c way or c	OK, ALLOWABLE  W 30 ontage h fronts on a public	c way or open spa		0 feet minimum (	feet)
656  ACTUAL AREA  1,332  506.2 Frontage  If  If  F  P  W  F	< ALLOWABLE A Increase = = = = = = =	UNLIMITED  AREA PER BUILDING  UNLIMITED  F P Area Increase Building perime Perimeter of en Width of public	due to fro eter which ntire build c way or o	OK, ALLOWABLE  W 30 ontage h fronts on a public	c way or open spa		0 feet minimum (	feet)
656  ACTUAL AREA  1,332  506.2 Frontage  If  If  F  P  W	< ALLOWABLE A Increase = = = = = = = = =	UNLIMITED  AREA PER BUILDING  UNLIMITED  F P Area Increase Building perime Perimeter of et Width of public	due to fre eter which ntire build c way or c	OK, ALLOWABLE  W 30 ontage h fronts on a public ding open space (feet)	c way or open spa in accordance wil	th 506.2.1		feet)
656  ACTUAL AREA  1,332  506.2 Frontage  If  If  F  P  W  F  P  W	< ALLOWABLE A  Increase  =  =  =  =  =  =  =  =  =  =  =	UNLIMITED  AREA PER BUILDING  UNLIMITED  F P Area Increase Building perime Perimeter of en Width of public  60 102.5 20	due to fro eter which ntire build to way or o If If	OK, ALLOWABLE  W 30 ontage h fronts on a public ding open space (feet)	c way or open spa in accordance wit	th 506.2.1		feet)
656  ACTUAL AREA  1,332  506.2 Frontage  If  If  F  P  W  F  P	< ALLOWABLE A  Increase = = = = = = = = = = =	UNLIMITED  AREA PER BUILDING  UNLIMITED  F P Area Increase Building perime Perimeter of en Width of public  60 102.5 20	due to fro eter which ntire build to way or o If If	OK, ALLOWABLE  W 30 ontage h fronts on a public ding open space (feet)	c way or open spa in accordance wit GEST NUMBER THA'	th 506.2.1		feet)
656  ACTUAL AREA  1,332  506.2 Frontage  If  If  F  P  W  F  P  W	< ALLOWABLE A  Increase  =  =  =  =  =  =  =  =  =  =  =	UNLIMITED  AREA PER BUILDING  UNLIMITED  F P Area Increase Building perime Perimeter of en Width of public  60 102.5 20	due to fro eter which ntire build a way or o If If If	OK, ALLOWABLE  W 30 ontage h fronts on a public ding open space (feet)	c way or open spa in accordance wit	th 506.2.1		feet)
656  ACTUAL AREA  1,332  506.2 Frontage  If  If  F  P  W  F  P  W	< ALLOWABLE A  Increase  =  =  =  =  =  =  =  =  =  =  =	UNLIMITED  AREA PER BUILDING  UNLIMITED  F P Area Increase Building perime Perimeter of en Width of public  60 102.5 20	due to fro eter which ntire build a way or o If If If	OK, ALLOWABLE  W 30 ontage h fronts on a public ding open space (feet)	c way or open spa in accordance wit GEST NUMBER THA'	th 506.2.1		feet) 0.666

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,
	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

Table 803.	9 Interior	Wall ar	nd Ceilir	ng Finish	Require	ments	by Oc	cupa	ncy: spri	nkler
				1	_					

Group	Exiting Elements	Corridors	Rooms & enclosed Spaces
R3	В	С	С

apter 9 - Fire Protection Systems							
R3 B C C							
	Group	Exiting Elements	Corridors	Spaces			

903.2 Automatic Sprinkler Systems Where Required:

	R3	Required.
N/A	903.3.1 FS Standards: Ins	tall 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	902.2.2. Quick response and residential enrinklers: Install ES as not 902.2.1 in Croup B dwelling 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 Alarm and Detection Systems-	Where required: Installed as per IBC and NFPA 72

R3	907.2.8: Not required, but exception 2 must be met

### 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 Table 1017.2 - Exit access travel distance

	R3	= 200' (NFPA 13R)
		= 400' (NFPA 13)
/A	1016.1 -	Unenclosed Stairs: exception

on #3- travel distance shall be measured from the most remote point in the building to an exit discharge.

Yes	1022 Interior exit stairways and ramps:
	1- 1022.2: 1-Hr fire barrier when ≤ 4 stori
	2- Construct as per 1022.2 - 1020.10.

### (Chp. 11) Accessibility

1103 Scope: 1103.2.3 Detached One and Two Family dwellings are exempt from Chapter 11

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

### (Chp 12) Interior Environment

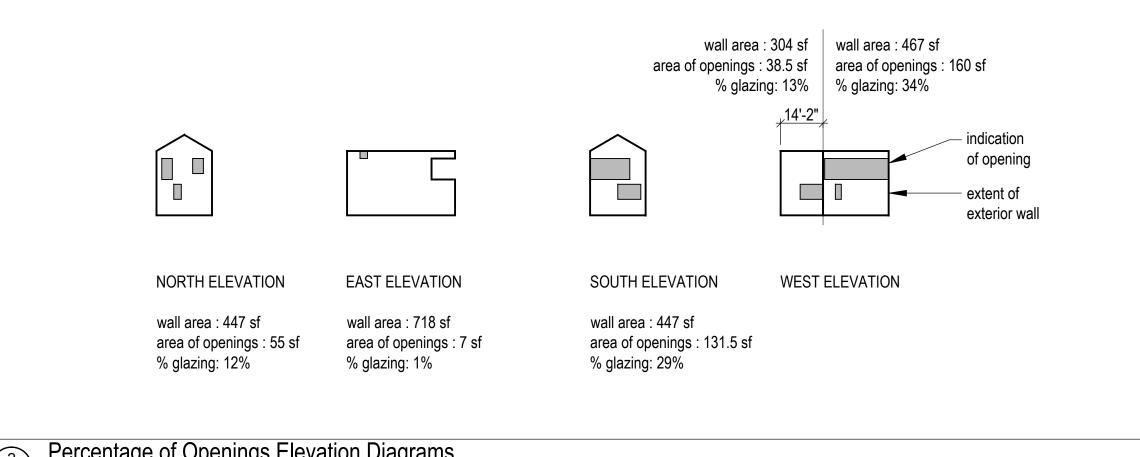
1207 Sound Transmission:

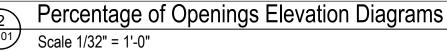
1207.3 Structure-borne Sound: Dwelling unit must be separated with a floor/celing assemblies that have an STC rating  $\geq$  50 (45 if field tested).

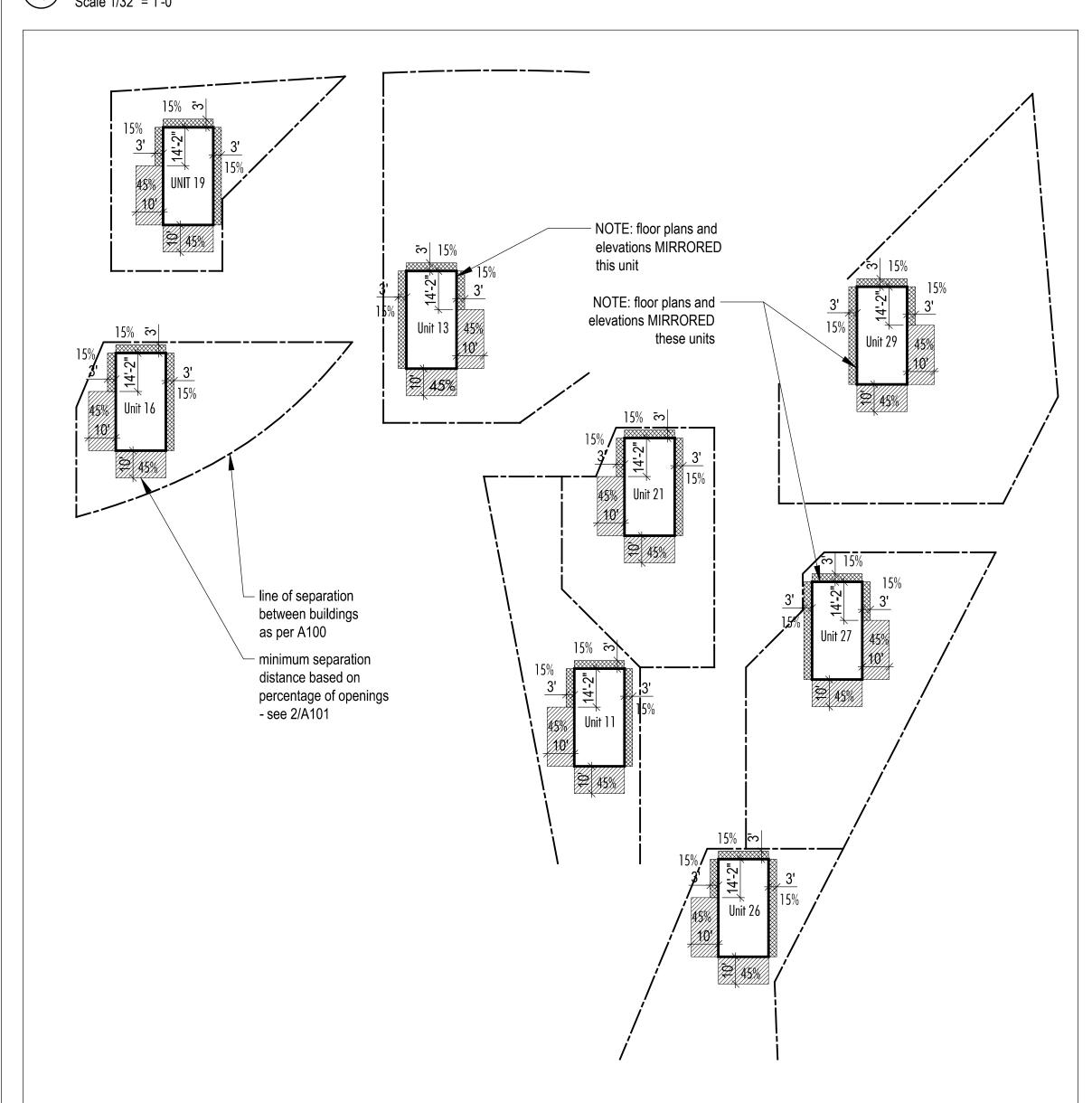
1207.2 Air-borne Sound: Dwelling unit must be separated with walls, partitions and floor/celing assemblies that have an IIC rating  $\geq$  50 (45 if field tested).

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 hei (less than 35')
13	8790.06	8788.62	8778.31	8778.24	8803.00	8818.00	33.85
16	8743.17	8743.2	8735.14	8734.32	8756.00	8771.00	32.24
19	8818.32	8815.99	8799.67	8798.73	8828.50	8843.50	34.975
11	8712.48	8712.33	8705.65	8705.14	8726.00	8741.00	32.19
21	8723.93	8723.54	8719.22	8719.09	8737.00	8752.00	30.49
26	8695.63	8695.19	8686.84	8685.93	8709.00	8724.00	33.22
27	8713.05	8712.23	8708.14	8707.62	8727.00	8742.00	31.665
29	8751.05	8750.44	8739.22	8738.54	8764.50	8779.50	34.705

### Height Restriction Chart 3 Height Restrict Scale 1/32" = 1'-0"









Cabin 1000

MacKay-Lyons

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fax: (902) 429.6276

Brian MacKay-Lyor

Boun Makay-you

No. 9809836

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Sweetapple Architects Ltd. and to seek prior written

from instructions provided by the Architect.

from instructions provided by the Engineer.

Date

Issued for Construction

**Architects** 

Limited

DIMENSIONS:

SHOP DRAWINGS:

of the building.



Horizon Neighborhood Cabins Cabin 1000

### **INTERIOR FINISH SCHEDULE - WARM**

		Base	North	Wall	East	Wall	South	Wall	West	Wall	F	oors	С	eiling	Remarks
	Material	Finish	Material	Finish	Material	Finish	South	Finish	Material	Finish	Material	Finish	Material	Finish	
LOWER LEVEL															
Hall	WD	PTW2	n/a	n/a	GWB	PTW1	n/a	n/a	GWB	PTW1	WD3	prefinished	WD1	untreated	
Stair	WD1	untreated	WD1	untreated	WD1	untreated	n/a	n/a	WD1	untreated	WD3	prefinished	WD1	untreated	
Bedroom 1	WD	PTW2	GWB	PTW1	GWB	PTW1	GWB	PTW1	GWB	PTW1	WD3	prefinished	WD1	untreated	
Bathroom 1	WD1	sealant	GWB-W/WD1	ST2/sealant	WD1	sealant	GWB-W/WD1	ST1/sealant	GWB-W	ST2	CT2	-	WD1	sealant	See notes 2+3
Bathroom 2	WD1	sealant	GWB-W/WD1	ST2/sealant	WD1	sealant	GWB-W/WD1	ST2/sealant	GWB-W	ST2	CT2	-	WD1	sealant	See notes 2+3
Bedroom 2	WD	PTW2	GWB	PTW1	GWB	PTW1	GWB	PTW1	GWB	PTW1	WD3	prefinished	WD1	untreated	
closets+mechanical	WD	PTW2	GWB	PTW1	GWB	PTW1	GWB	PTW1	GWB	PTW1	WD3	prefinished	GWB	PTC-3	
UPPER LEVEL															
Living	WD1	untreated	n/a	n/a	WD1	untreated	glazing/WD1	n/a/untreat.	glazing	n/a	WD3	prefinished	WD1	untreated	ST wall/floor - woodstove area
Dining	WD1	untreated	WD2	treated	WD1	untreated	glazing	n/a	glazing	n/a	WD3	prefinished	WD1	untreated	See note 2.
Entry	WD1/2	untr./treat/	WD1	untreated	WD1	untreated	n/a	n/a	WD2	treated	ST1	-	WD1	untreated	See note 2.
Mudroom	WD1	sealant	WD1	untreated	WD1	untreated	WD1	untreated	WD1	untreated	ST1	-	WD1	untreated	See notes 2+3
Powder Rm	WD1	sealant	WD1	sealant	WD1	sealant	WD1	sealant	WD1	sealant	ST1	-	WD1	untreated	See notes 2+3
Kitchen	WD1	sealant	WD1/GWB-W	sealant/ST2	WD1	sealant	WD1	sealant	WD1	sealant	ST1	-	WD1	untreated	ST2 backsplash above counter
Closet	n/a	n/a	GWB	PTW1	GWB	PTW1	GWB	PTW1	GWB	PTW1	WD3	prefinished	GWB	PTC-3	

Finish Types.

PT-1W - Benjamin Moore OC-17 White Dove - Egg Shell Finish

PT-2W - Benjamin Moore OC-17 White Dove - Semi Gloss Finish PT-C1 - Benjamin Moore Decorators White - Egg Shell Finish PT-C2 - Benjamin Moore Decorators White - Semi Gloss Finish PT-C3 - Benjamin Moore Decorators White - Flat Finish (Ceilings Only)

WD1 - western red cedar, 1X4" horizontal slats, untreated **Wood Slats** WD2 - western red cedar, 1X2" verticall slats, treated Engineered Wood WD3 - reclaimed white oak 1X4", engineered, prefinished, natural satin

CT1 - white subway tile 4X16 CT2 - grey 2x2 antislip tile ST1 - slate floor tile, 12x12, white Stone Tile ST2 - slate wall tile 4x16 Legend.

N/A not applicable GWB gypsum wall board per spec. GWB-W waterproof sheathing as per spec. CONC. concrete

CT ceramic tile ST stone tile WD wood GLZ glazing

1. "North" is top of drawing page for wall designations

2. Wood wall cladding shall extend from finished floor to u/s ceiling.

3. All wood surface cladding in bathrooms + mudroom to receive clear sealant, low sheen.

### Room Finish Schedule - UPGRADE OPTION (warm scheme) Scale NTS

Horizon Neighborhood Cabins

**INTERIOR FINISH SCHEDULE - COOL** 

	Base		North Wall		East Wall		South Wall		West Wall		Floors		Ceiling		Remarks
	Material	Finish	Material	Finish	Material	Finish	South	Finish	Material	Finish	Material	Finish	Material	Finish	
LOWER LEVEL		1									<u> </u>				
Hall	WD	PTC2	GWB	PTC1	GWB	PTC1	GWB	PTC1	n/a	n/a	CONC.	sealed	WD1	clear	
Stair	WD1	untreated	WD1	untreated	WD1	untreated	n/a	n/a	WD1	untreated	WD3	satin	WD1	clear	
Bedroom 1	WD	PTC2	GWB	PTC1	GWB	PTC1	GWB	PTC1	GWB	PTC1	CONC.	sealed	WD1	clear	
Bathroom 1	TILE	CT1	GWB-W	CT1	GWB-W	CT1	GWB-W	CT1	GWB-W	CT1	CONC./TILE	sealed	WD1	clear	grey 2x2 antislip tile shower base
Bathroom 2	TILE	CT1	GWB-W	CT1	GWB-W	CT1	GWB-W	CT1	GWB-W	CT1	CONC./TILE	sealed	WD1	clear	grey 2x2 antislip tile shower base
Bedroom 2	WD	PTC2	GWB	PTC1	GWB	PTC1	GWB	PTC1	GWB	PTC1	CONC.	sealed	WD1	clear	
Closets	n/a	n/a	GWB	PTC1	GWB	PTC1	GWB	PTC1	GWB	PTC1	CONC.	sealed	GWB	PTC1	
UPPER LEVEL															
Living	n/a	n/a	n/a	n/a	WD1	untreated	glazing	n/a	glazing	n/a	CONC.	sealed	WD1	clear	painted steel behind woodstove
Dining	n/a	n/a	WD2	untreated	WD1	untreated	glazing	n/a	glazing	n/a	CONC.	sealed	WD1	clear	See note 2.
Entry	WD2/WD1	treat./untr.	glazing	n/a	WD1	untreated	n/a	n/a	WD2	treated	CONC.	troweled+sealed	GWB	PTC3	See note 2.
Mudroom	WD	PTC2	GWB	PTC1	n/a	n/a	GWB	PTC1	GWB	PTC1	CONC.	sealed	GWB	PTC3	
Powder Rm	TILE	CT1	GWB	CT1	GWB	CT1	GWB	CT1	GWB	CT1	CONC.	sealed	GWB	PTC3	
Kitchen	WD	PTC2	GWB	PTC1/CT1	GWB	PTC1	GWB	PTC1	GWB	PTC1	CONC.	sealed	GWB	PTC3	CT1 backsplash above counter
Closet	n/a	n/a	GWB	PTC1	GWB	PTC1	GWB	PTC1	GWB	PTC1	CONC.	sealed	GWB	PTC1	

Finish Types. Paint

**Wood Slats** 

PT-1W - Benjamin Moore OC-17 White Dove - Egg Shell Finish PT-2W - Benjamin Moore OC-17 White Dove - Semi Gloss Finish PT-C1 - Benjamin Moore Decorators White - Egg Shell Finish PT-C2 - Benjamin Moore Decorators White - Semi Gloss Finish PT-C3 - Benjamin Moore Decorators White - Flat Finish (Ceilings Only)

WD1 - western red cedar, 1X4" horizontal slats, untreated WD2 - western red cedar, 1X2" vertical slats, treated

WD3 - douglas fir, 1x4" prefinished, natural satin

Concrete CONC. - sealed concrete Ceramic Tile CT1 - white subway tile 4X16 CT2 - grey 2x2 antislip tile

N/A

GWB

not applicable gypsum wall board per spec. waterproof sheathing as per spec.

GWB-W CONC. concrete CT ceramic tile ST stone tile WD wood GLZ glazing

- 1. "North" is top of drawing page for wall designations
- 2. Wood wall cladding shall extend from finished floor to u/s ceiling. 3. All wood surface cladding in bathrooms + mudroom to receive
  - clear sealant, low sheen.

absence of dimensions, or if discrepancies exist,

DIMENSIONS:

NOTES:

consult Architect. All minimum dimensions are to comply with the International Residential Code.

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from instructions provided by the Engineer.

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MacKay-Lyons

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

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

Brian MacKay-Lyor

Boun Mokay-you

Cabin 1000 Room Finish Schedules

drawn: DP

chk'd: BML

Room Finish Schedule - BASE OPTION (cool scheme)

Scale NTS



LEGEND

Center line

Door type

Partition type

LIVABLE SQUARE FOOTAGES

Floor Plan Lower: 578 square feet

495 square feet

1073 square feet

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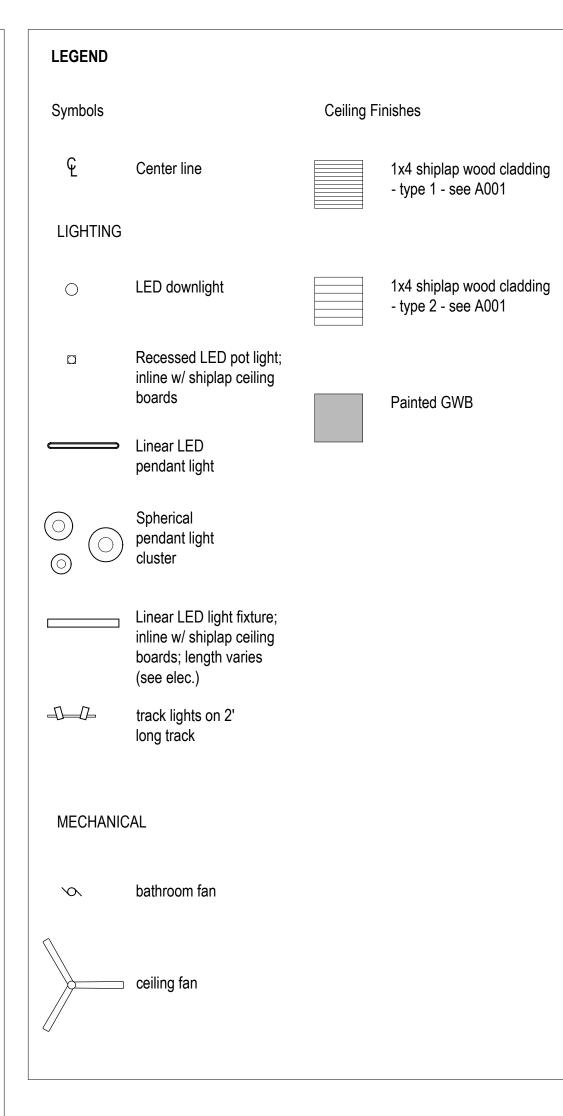
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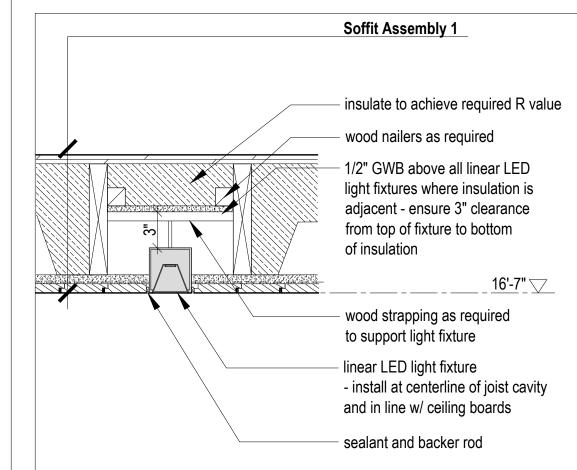
Cabin 1000 Floor Plans

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

drawn: MJ/JL







### Linear Light Detail at Insulated Condition 3 Linear Light D Scale 1-1/2" = 1'-0"

1. Where applicable, all ceiling mounted light fixtures to be in-line with shiplap boards unless otherwise noted.

- 2. Where alignment of light fixtures as noted and 'note 1' are contradictory note 1 takes precedent.
- 3. All finished ceiling heights dimensioned from top of finished floor below.

4. All lighting to be dimmable.

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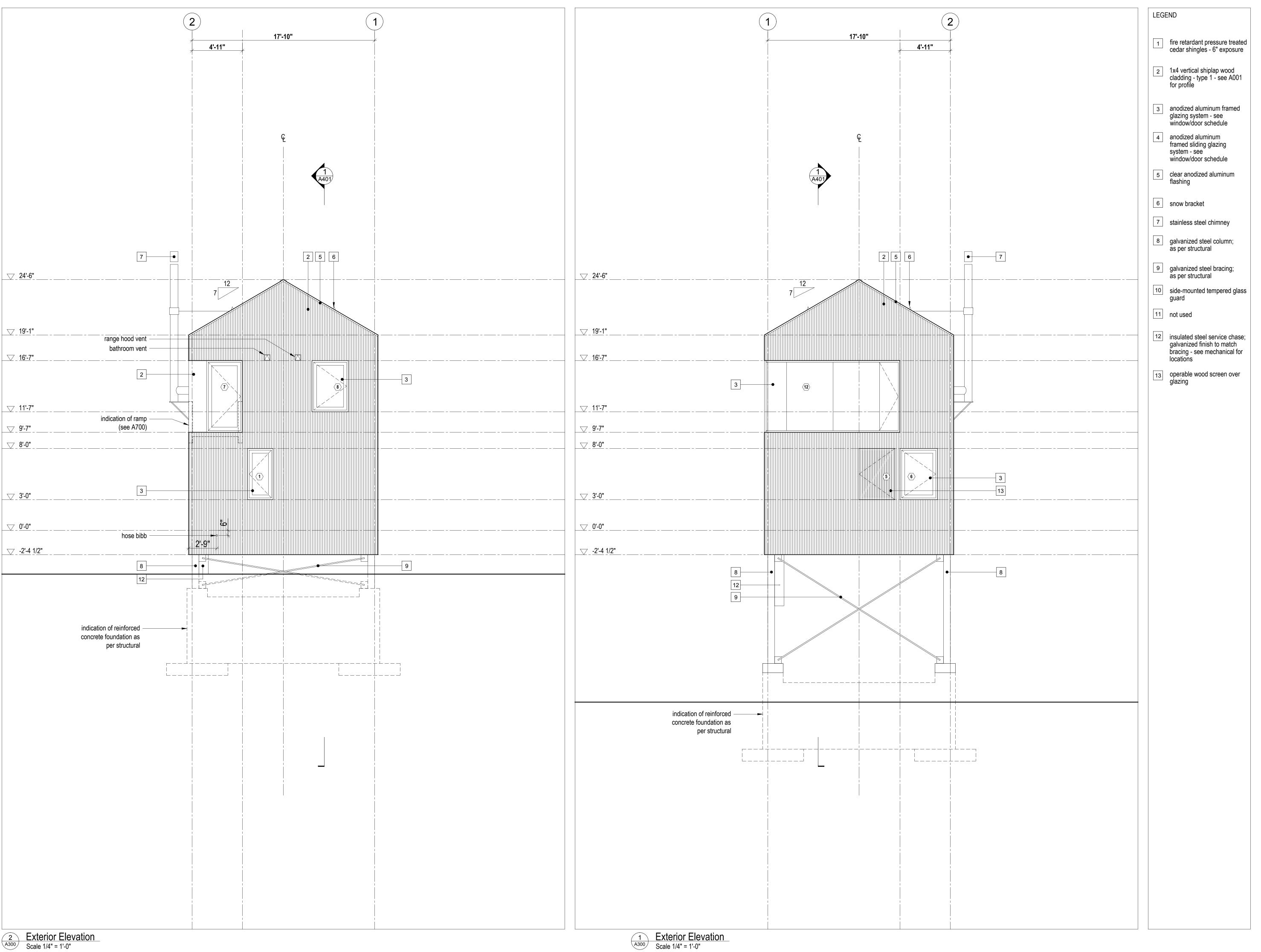
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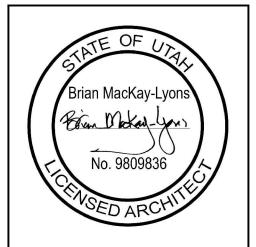
Cabin 1000

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

drawn: MJ chk'd: BML



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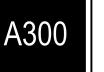
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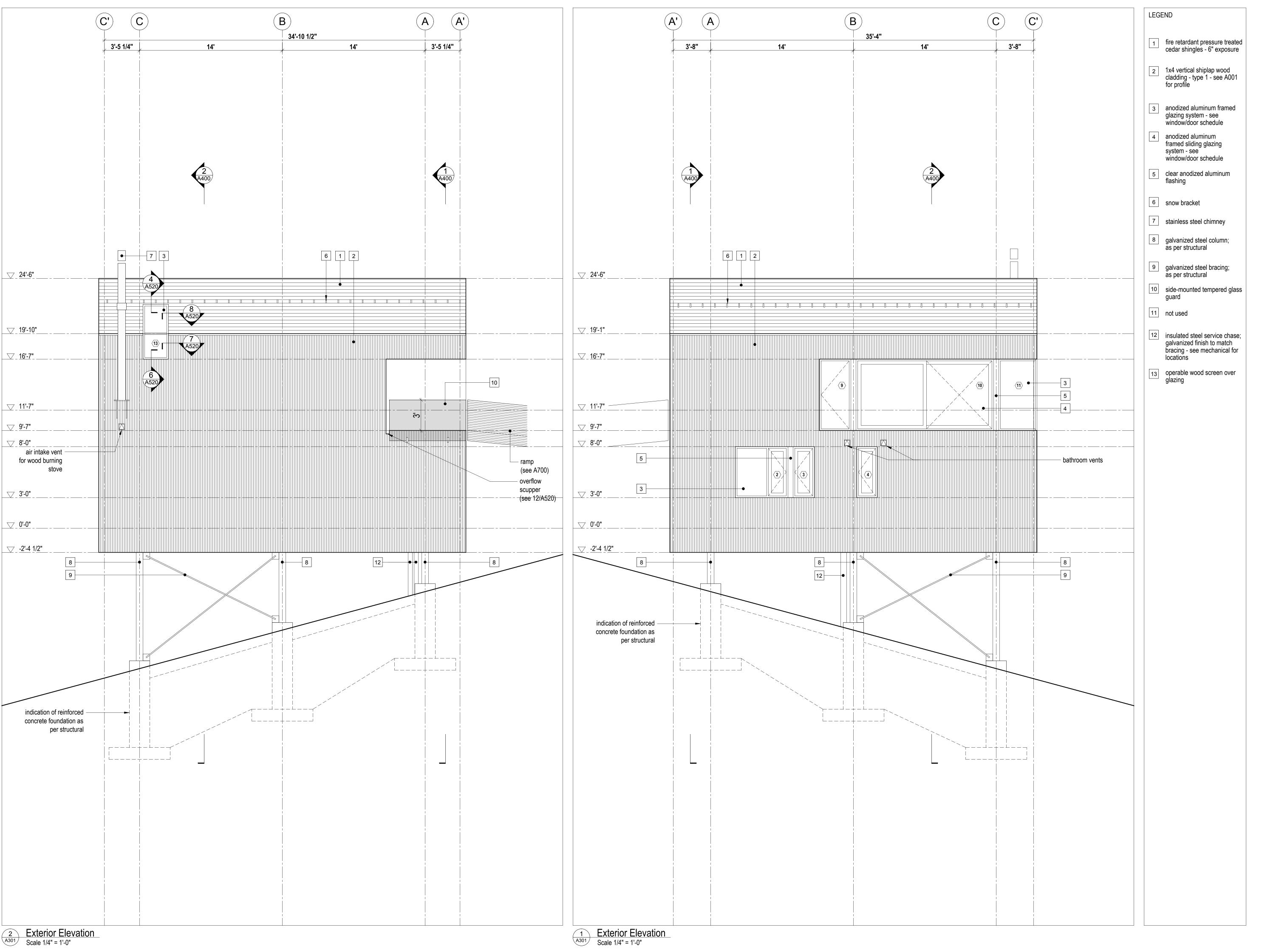
of the building.

Cabin 1000 Elevations

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

drawn: MJ/JL





Horizon Neighborhood CABINS

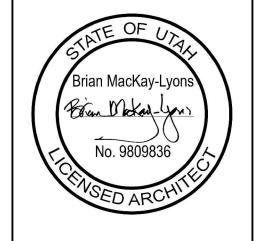
Summit Powder Mountain Eden, Utah

MacKay-Lyons Sweetapple

Architects Limited

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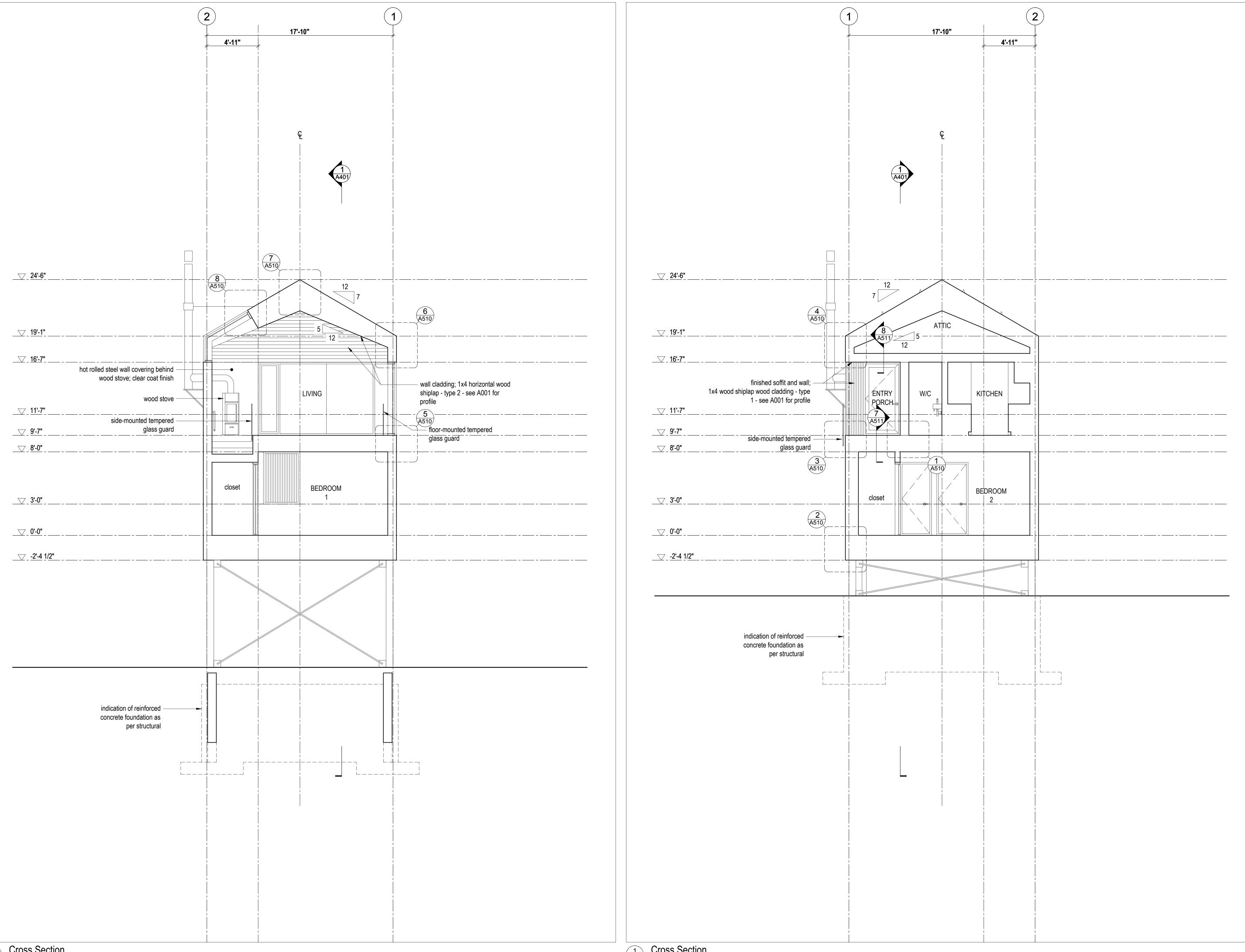
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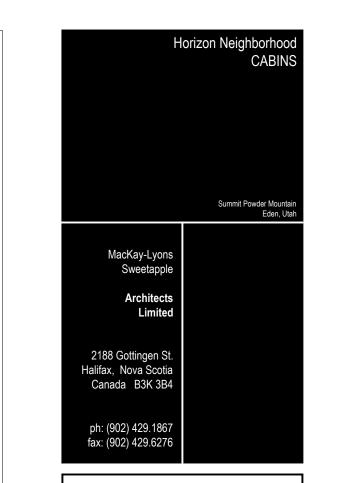
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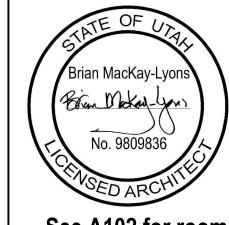


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date: 16-04-20
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See A102 for room finish schedule

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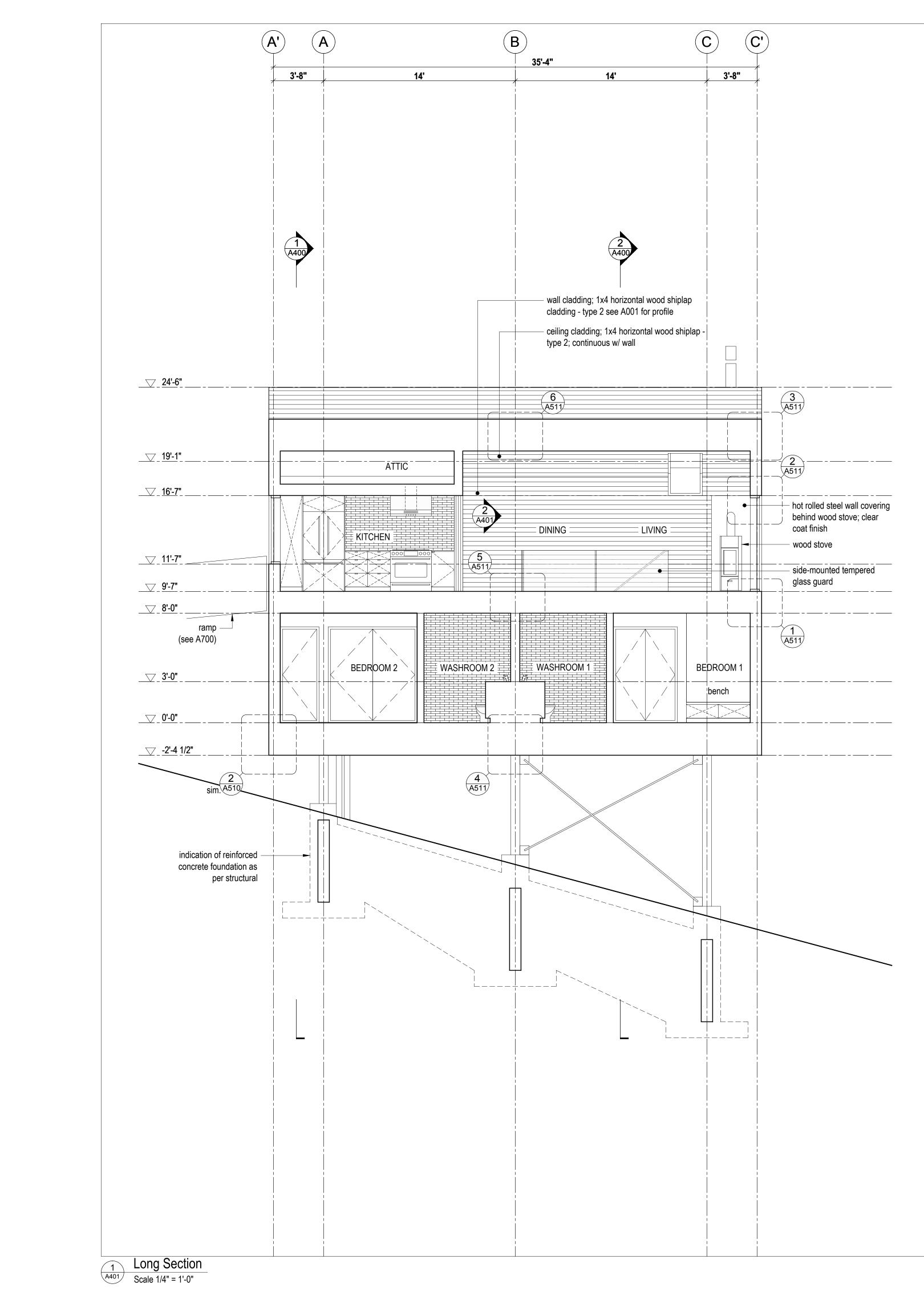
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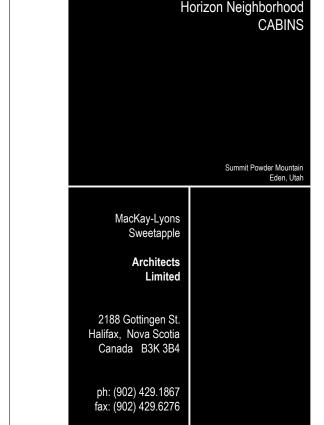
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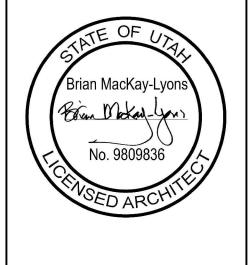
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scale: 1/4" = 1'-0"







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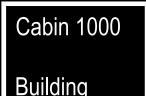
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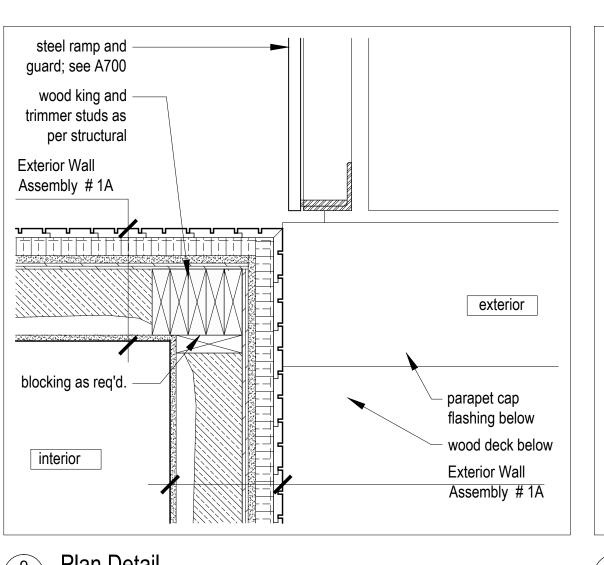


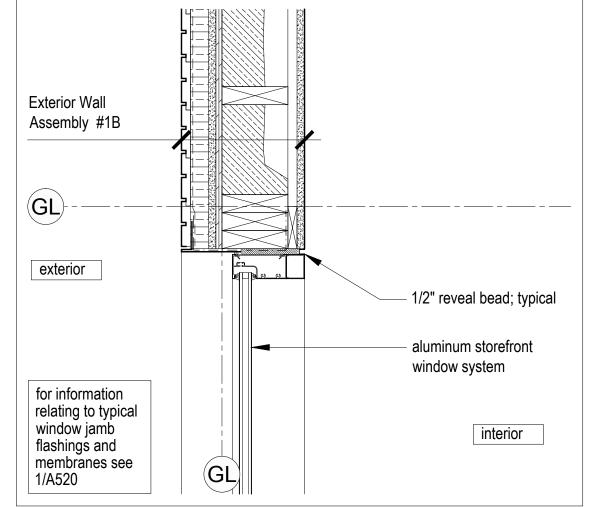
Section scale: 1/4" = 1'-0"

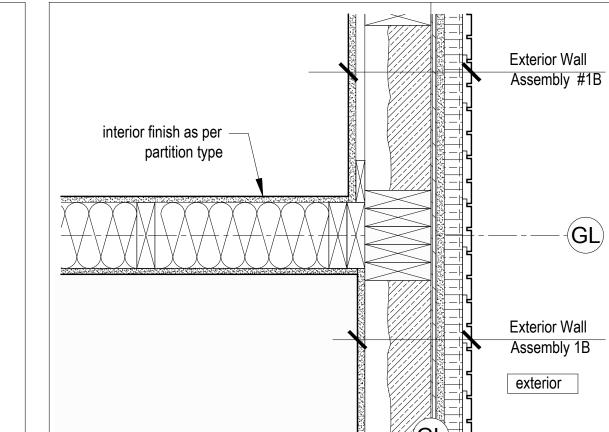
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A401

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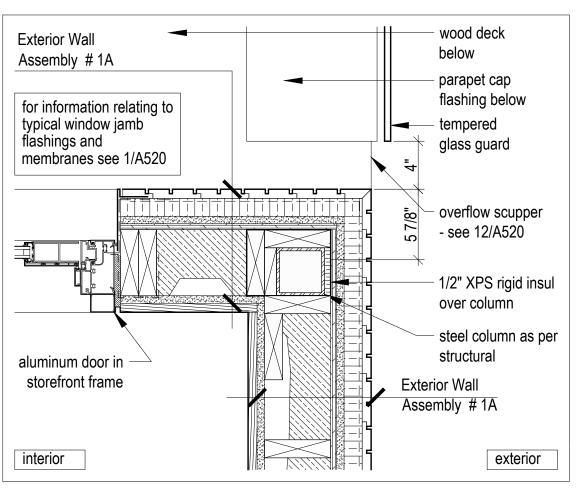


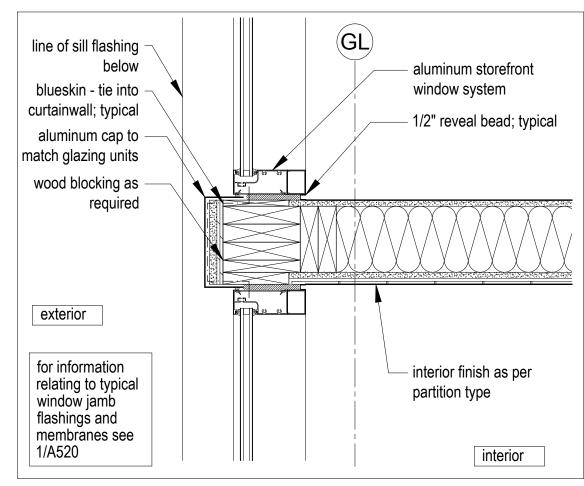


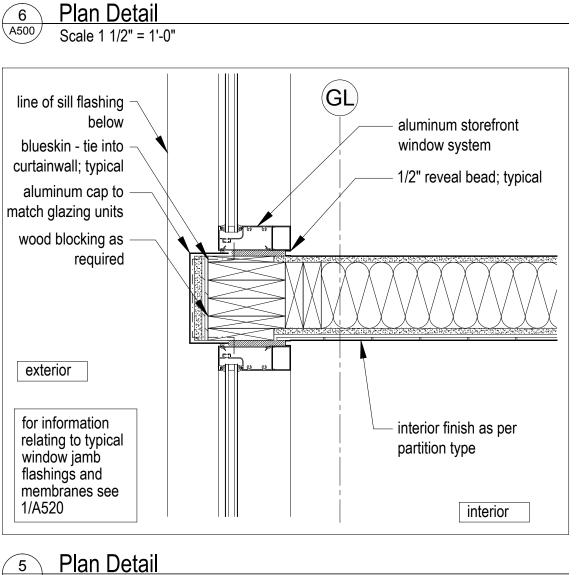
Plan Detail

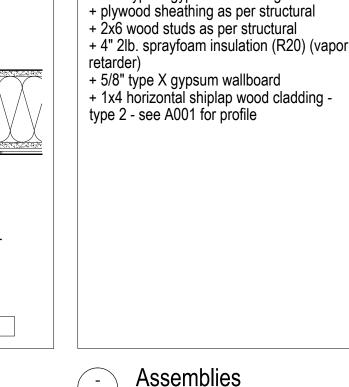
Scale 1 1/2" = 1'-0"

Scale 1 1/2" = 1'-0"









Exterior Wall Assembly 1A

type 1 - see A001 for profile

+ rainscreen grid

retarder)

+ 1x4 vertical shiplap wood cladding -

+ vapor permeable weather barrier

+ 1 1/2" XPS rigid insulation (R7.5)

+ plywood sheathing as per structural

+ 5/8" type X gypsum wallboard (5/8" type

X gypsum tile backer board in wet areas)

+ refer to wall finish schedule for interior

+ 1x4 vertical shiplap wood cladding -

+ vapor permeable weather barrier

+ plywood sheathing as per structural

+ 4" 2lb. sprayfoam insulation (R20) (vapor

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

+ refer to wall finish schedule for interior

+ 1x4 horizontal shiplap wood cladding -

+ vapor permeable weather barrier

+ 1 1/2" XPS rigid insulation (R7.5)

+ 5/8" type X gypsum sheathing

+ 2x6 wood studs as per structural

Exterior Wall Assembly 1B

type 1 - see A001 for profile

+ 1 1/2" XPS rigid insulation

+ 5/8" type X gypsum sheathing

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

Exterior Wall Assembly 1C

type 1 - see A001 for profile

+ rainscreen grid

+ rainscreen grid

retarder)

+ 2x6 wood studs as per structural

+ 5/8" type X gypsum sheathing

**Exterior Wall Assembly 2** 

type 1 - see A001 for profile

+ rainscreen grid

+ 4" 2lb. sprayfoam insulation (R20) (vapor + 5/8" type X gypsum sheathing

+ 1x4 vertical shiplap wood cladding -

+ vapor permeable weather barrier

+ 1 1/2" XPS rigid insulation (R7.5)

+ 2x6 wood studs as per structural

+ vapor permeable weather barrier

+ 1x4 vertical wood shiplap cladding -

type 1 - see A001 for profile

+ plywood sheathing as per structural

+ 5/8" type X gypsum sheathing

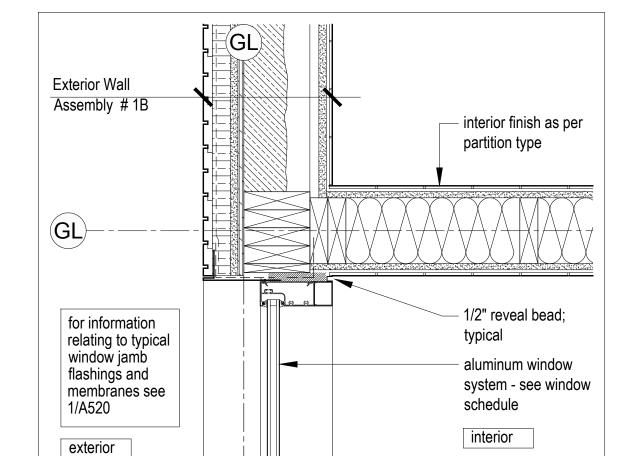
**Architects** Limited 2188 Gottingen St. Halifax, Nova Scotia Assembly 1B Canada B3K 3B4 ph: (902) 429.1867 fax: (902) 429.6276 GL Brian MacKay-Lyor Even Mokay-you No. 9809836

(GL) Exterior Wall Assembly #1A exterior aluminum curtainwall interior finish as window system per partition type

1/2" reveal bead;

interior

typical



Scale 1 1/2" = 1'-0"

Scale 1 1/2" = 1'-0"

Plan Detail Scale 1 1/2" = 1'-0"

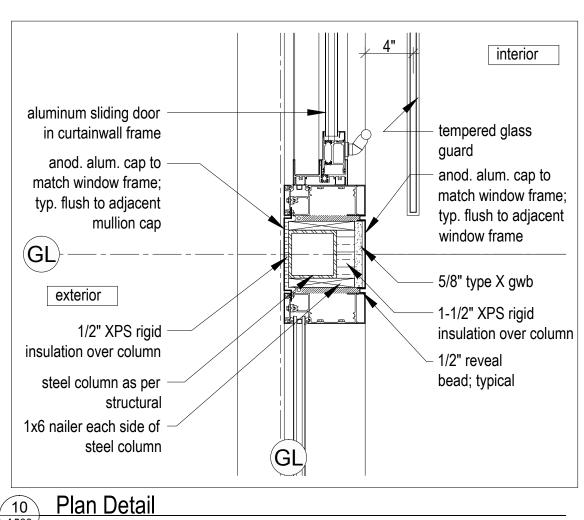
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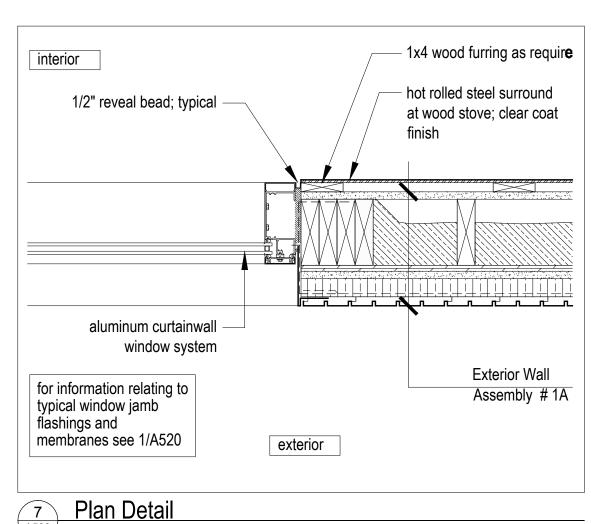
for information relating to

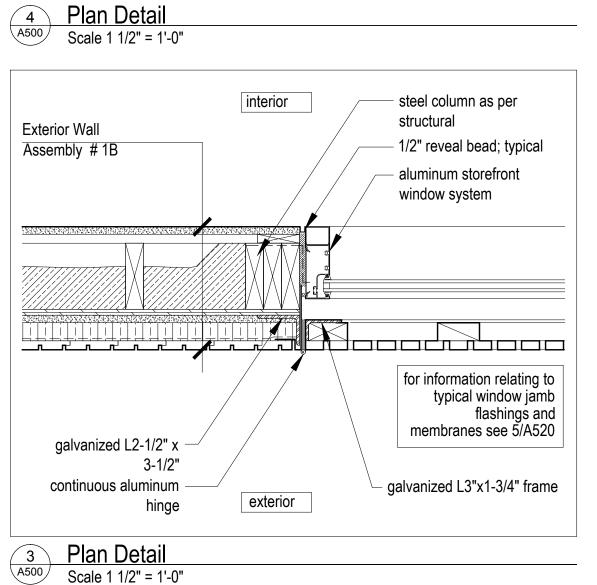
membranes see 1/A520

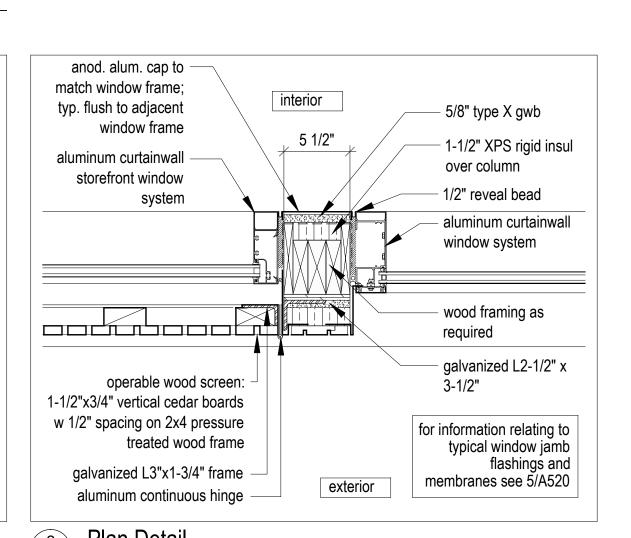
typical window jamb

flashings and









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Horizon Neighborhoo

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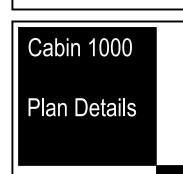
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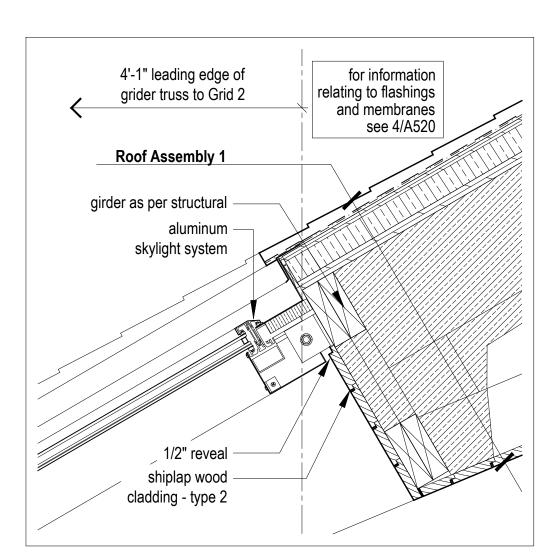
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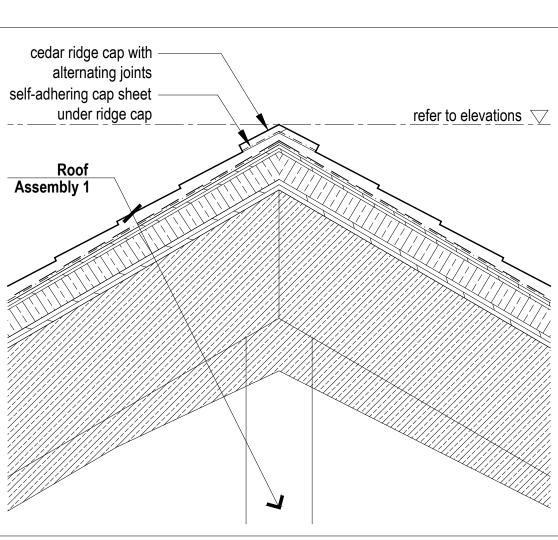


scale: 1 1/2" = 1'-0" drawn: MJ/DP



Head Detail at Skylight Window

Scale 1 1/2" = 1'-0"



### Typical Section Detail @ Ridge

Scale 1 1/2" = 1'-0"

**Roof Assembly 1** + 'Class B' fire retardant pressure treated cedar shingles

+ rainscreen grid + 'Class A' mineral-surfaced cap sheet + self-adhering sheet roof membrane underlayment

+ 1/2" exterior grade plywood + 2" XPS rigid insulation (R10) + plywood sheathing as per structural + wood trusses as per structural + 6" 2lb. closed cell sprayfoam insulation

(R30) (vapor retarder) + interior sprinkler system as per A101 code review + 3/4" shiplap wood cladding - type 2 - see

A001 for profile

Roof Assembly 2

+ 'Class B' fire retardant pressure treated cedar shingles + rainscreen grid + 'Class A' mineral-surfaced cap sheet

+ self-adhering sheet roof membrane underlayment + 1/2" exterior grade plywood + 2" XPS rigid insulation (R10)

+ plywood sheathing as per structural + wood trusses as per structural + 5/8" type X gypsum sheathing + vapor permeable weather barrier + 3/4" shiplap wood cladding - type 2 - see finish A001 for profile

Floor Assembly 1

+ 3" concrete topping w/ in-floor heating + plywood sheathing as per structural + wood floor joists as per structural + wood furring as required + interior sprinkler system as per A101

code review + 3/4" shiplap wood cladding - type 2 - see A001 for profile

Floor Assembly 2

+ 3" concrete topping w/ in-floor heating + plywood sheathing as per structural + wood furring as per structural + wood floor joists as per structural

+ interior sprinkler system as per A101 code review + 3/4" shiplap wood cladding - type 2 -A001 for profile

Floor Assembly 3

+ palletized wood deck system + liquid-applied roofing membrane + plywood sheathing as per structural slope to drain, minimum 2% + wood floor joists as per structural; tapered to create slope + 6" 2lb. sprayfoam insulation (R30)

(vapour retarder) + interior sprinkler system as per A101 code review + 3/4" shiplap wood cladding - type 2 - see type 1 - see A001 for profile A001 for profile

Floor Assembly 4

A001 for profile

+ 3" concrete topping w/ in-floor heating + plywood sheathing as per structural + wood floor joists as per structural

+ 1/2" plywood + steel beam as per structural + 6" 2lb. sprayfoam insulation (R30) (vapor + 1x4 horizontal wood shiplap cladding retarder) + 2x4 nailer as required

+ 5/8" type X gypsum sheathing + vapour permeable weather barrier + rainscreen grid + 1x4 wood shiplap cladding - type 1 - see

<u>Assemblies</u>

Scale 1 1/2" = 1'-0"

+ 6" 2lb. sprayfoam insulation (R30) (vapor retarder) + wood roof joists as per structural + 5/8" type X gypsum sheathing + vapor permeable weather barrier + 1x4 wood shiplap cladding - type 1 - see

**Exterior Wall Assembly 1A** + 1x4 vertical shiplap wood cladding type 1 - see A001 for profile

+ rainscreen grid + vapor permeable weather barrier + 1 1/2" XPS rigid insulation (R7.5) + 5/8" type X gypsum sheathing + plywood sheathing as per structural + 2x6 wood studs as per structural

+ 5/8" type X gypsum wallboard (5/8" type X gypsum tile backer board in wet areas) + refer to wall finish schedule for interior

+ 4" 2lb. sprayfoam insulation (R20) (vapor

**Exterior Wall Assembly 1B** + 1x4 vertical shiplap wood cladding type 1 - see A001 for profile

+ rainscreen grid

+ vapor permeable weather barrier + 1 1/2" XPS rigid insulation + 5/8" type X gypsum sheathing + plywood sheathing as per structural + 2x6 wood studs as per structural

+ 4" 2lb. sprayfoam insulation (R20) (vapor retarder) + 1x4 wood strapping @ 16" o.c. + 5/8" type X gypsum wallboard (5/8" type X gypsum tile backer board in wet areas) + refer to wall finish schedule for interior

**Exterior Wall Assembly 1C** + 1x4 horizontal shiplap wood cladding type 1 - see A001 for profile

+ rainscreen grid + vapor permeable weather barrier + 1 1/2" XPS rigid insulation (R7.5) + 5/8" type X gypsum sheathing + plywood sheathing as per structural + 2x6 wood studs as per structural

retarder) + 5/8" type X gypsum wallboard + 1x4 horizontal shiplap wood cladding type 2 - see A001 for profile

+ 4" 2lb. sprayfoam insulation (R20) (vapor

**Exterior Wall Assembly 2** + 1x4 vertical shiplap wood cladding type 1 - see A001 for profile

+ rainscreen grid + vapor permeable weather barrier + 1 1/2" XPS rigid insulation (R7.5) + 5/8" type X gypsum sheathing + plywood sheathing as per structural + 2x6 wood studs as per structural

+ 5/8" type X gypsum sheathing + vapor permeable weather barrier + 1x4 vertical wood shiplap cladding type 1 - see A001 for profile

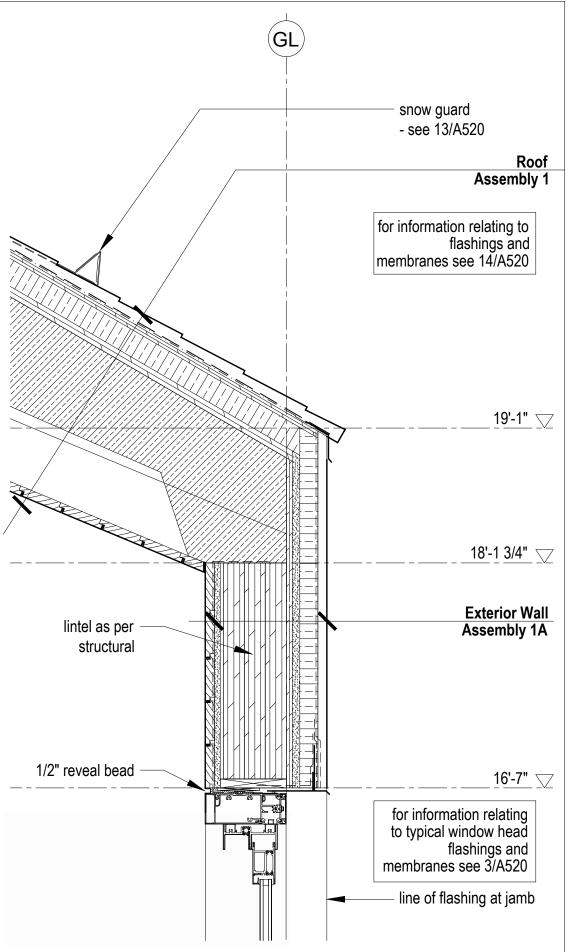
**Exterior Wall Assembly 3** + 1x4 vertical shiplap wood cladding -

+ rainscreen grid + vapor permeable weather barrier + 1 1/2" XPS rigid insulation (R7.5) + 5/8" type X gypsum sheathing + plywood sheathing as per structural + 2x6 wood studs as per structural + 5/8" type X gypsum sheathing + vapor permeable weather barrier

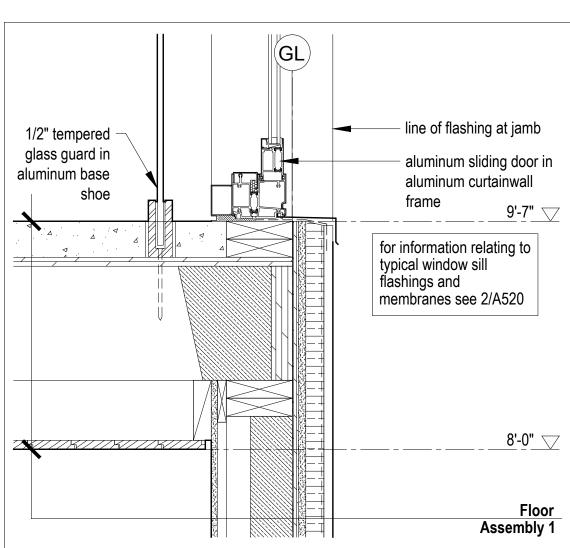
type 2 - see A001 for profile

Soffit Assembly 1 + 3/4" sheathing

A001 for profile

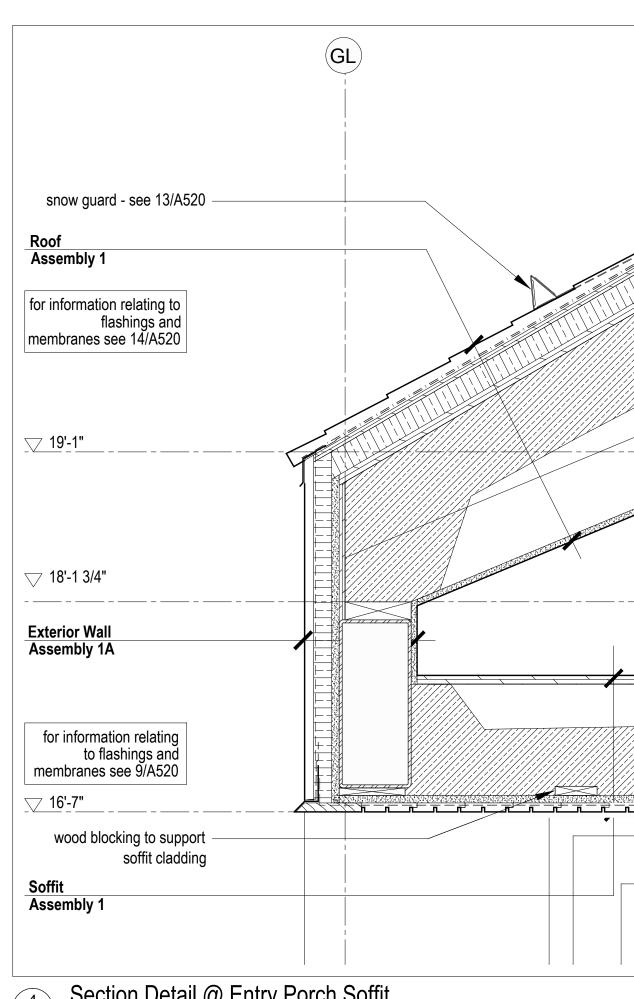


Typical Eave and Window Head Detail Scale 1 1/2" = 1'-0"



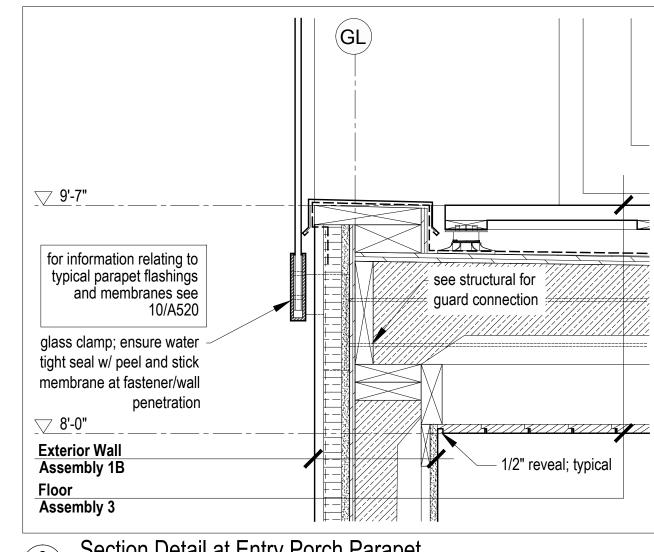
Typical Window Sill Detail

A510 Scale 1 1/2" = 1'-0"



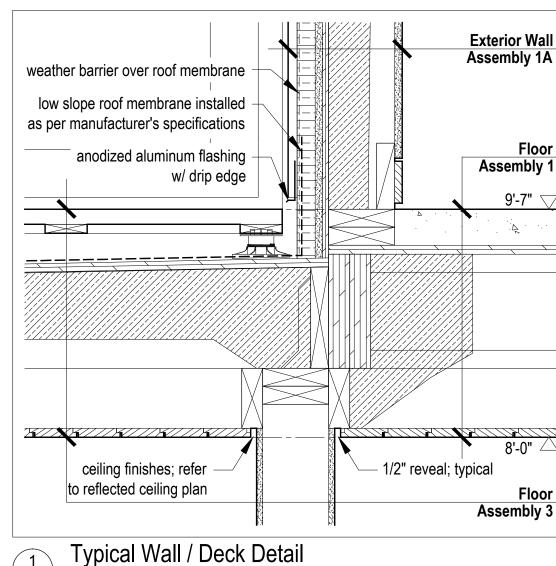
Section Detail @ Entry Porch Soffit

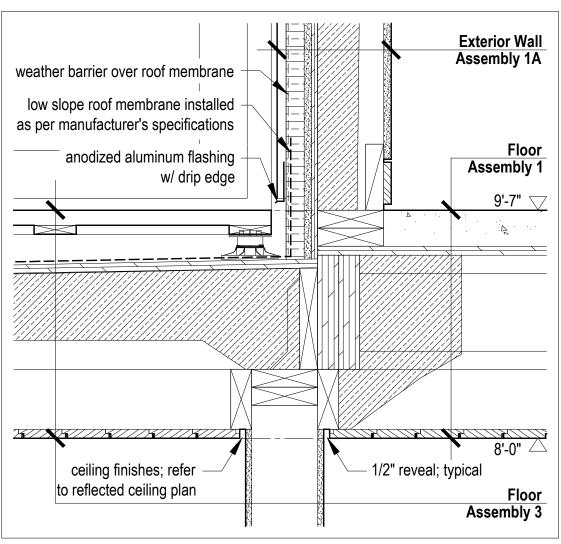
Scale 1 1/2" = 1'-0"



Section Detail at Entry Porch Parapet

Scale 1 1/2" = 1'-0"





Scale 1 1/2" = 1'-0"

**Exterior Wall** Assembly 1B ▽ 0'-0" . Δ . Δ. steel beam as per structural steel column as per structural for information relating to flashings and membranes see 9/A520 Assembly 4 (GL)

Typical Section Detail at Floor/Wall

Scale 1 1/2" = 1'-0"

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

Brian MacKay-Lyoi

Boun Mokay-you

No. 9809836

**Architects** 

Limited

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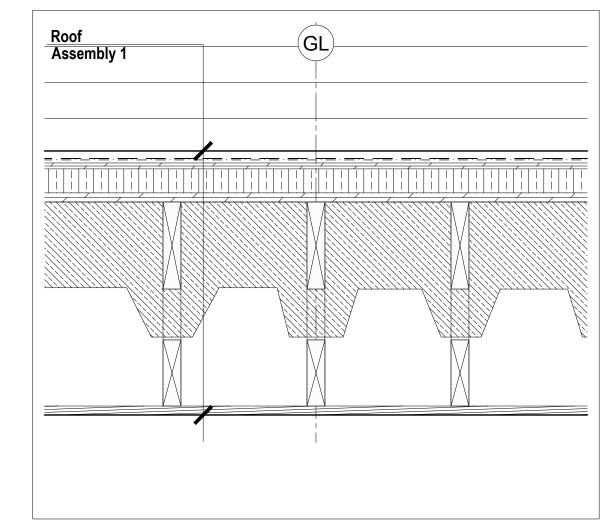
comply with the International Residential Code. SHOP DRAWINGS: Submit shop drawings to the Architect and Engineer for approval prior to manufacture of prefabricated elements

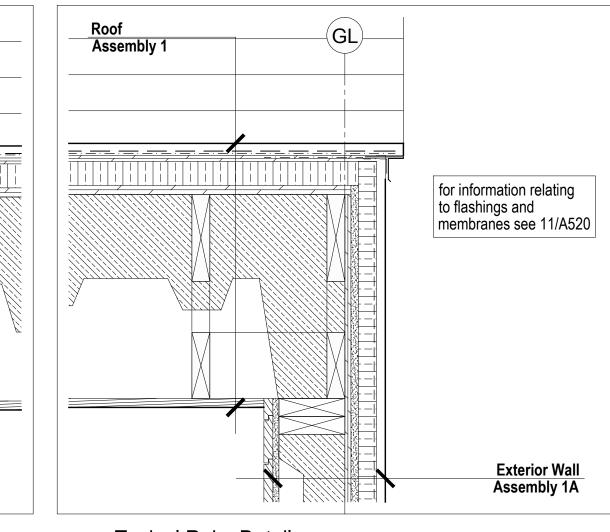
consult Architect. All minimum dimensions are to

Cabin 1000 Section

of the building.

scale: 1 1/2" = 1'-0" date: 16-05-02 drawn: DP





Typical Section Detail @ Ceiling and Steel Truss

Scale 1 1/2" = 1'-0"

Assembly 1

wood blocking to support

2lb sprayfoam insulation

wood blocking as req'd

1/2" reveal bead

aluminum door in

line of flashing at jamb

extend roofing membrane

9'-7" 🦯

8'-0" */* 

Floor

Floor Assembly 1

Assembly 3

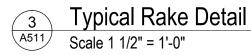
2lb sprayfoam insulation

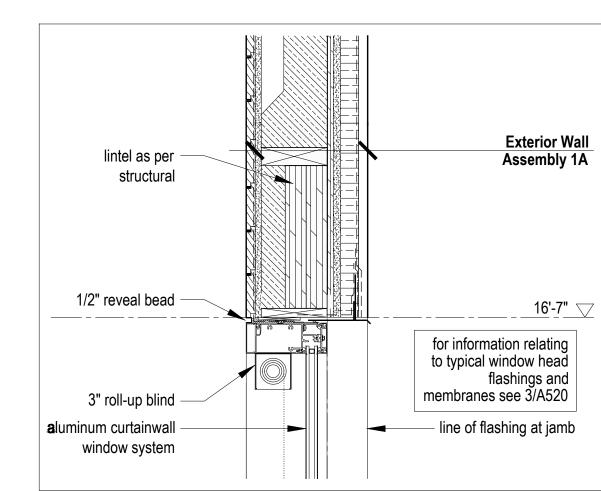
under door threshold

storefront frame

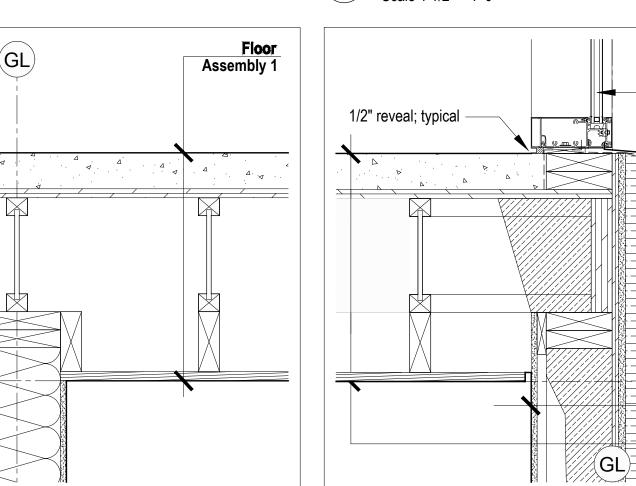
16'-7" 🛆

soffit cladding

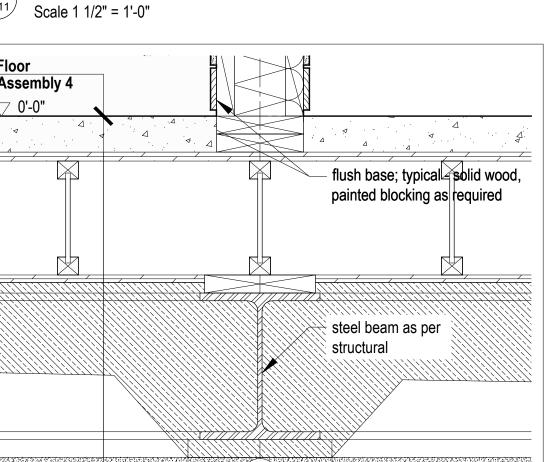




Section Detail

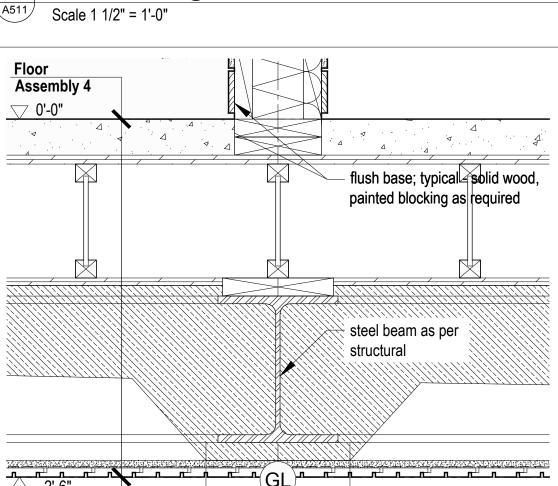


Section Detail @ Interior Wall Scale 1 1/2" = 1'-0"



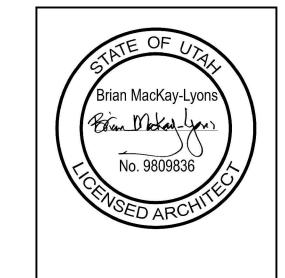
Section Detail @ Lower Floor

(GL) Floor Assembly 1



Scale 1 1/2" = 1'-0"

Section Detail Scale 1 1/2" = 1'-0"



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NOTES:

line of flashing at jamb

aluminum curtainwall

window system

for information relating to

membranes see 2/A520

typical window sill

flashings and

Floor

**Exterior Wall** 

Assembly 1B

Assembly 1

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Cabin 1000 Section

scale: 1/4" = 1'-0" date: 16-05-02 drawn: DP

chk'd: BML

Roof Assembly 1

cedar shingles

underlayment

code review

A001 for profile

code review

code review

A001 for profile

Floor Assembly 3

A001 for profile

Floor Assembly 2

Floor Assembly 1

+ rainscreen grid

+ 'Class B' fire retardant pressure treated

+ 'Class A' mineral-surfaced cap sheet

+ self-adhering sheet roof membrane

+ plywood sheathing as per structural

+ 6" 2lb. closed cell sprayfoam insulation

+ interior sprinkler system as per A101

+ 3/4" shiplap wood cladding - type 2 - see

+ 3" concrete topping w/ in-floor heating

+ plywood sheathing as per structural

+ interior sprinkler system as per A101

+ 3" concrete topping w/ in-floor heating

+ plywood sheathing as per structural

+ interior sprinkler system as per A101

+ wood furring as per structural

+ palletized wood deck system

slope to drain, minimum 2%

tapered to create slope

(vapour retarder)

code review

A001 for profile

+ liquid-applied roofing membrane

+ wood floor joists as per structural;

+ 6" 2lb. sprayfoam insulation (R30)

+ interior sprinkler system as per A101

+ 3/4" shiplap wood cladding - type 2 - see

+ plywood sheathing as per structural -

+ wood floor joists as per structural

+ wood floor joists as per structural

+ wood furring as required

+ 1/2" exterior grade plywood + 2" XPS rigid insulation (R10)

+ wood trusses as per structural

(R30) (vapor retarder)

+ 1 1/2" XPS rigid insulation (R7.5) + 5/8" type X gypsum sheathing + plywood sheathing as per structural + 2x6 wood studs as per structural

+ 4" 2lb. sprayfoam insulation (R20) (vapor + 3/4" shiplap wood cladding - type 2 - see retarder)

Floor Assembly 4

+ 1/2" plywood

+ 3" concrete topping w/ in-floor heating

+ 6" 2lb. sprayfoam insulation (R30) (vapor

+ 1x4 wood shiplap cladding - type 1 - see

+ plywood sheathing as per structural

+ wood floor joists as per structural

+ steel beam as per structural

+ 5/8" type X gypsum sheathing

Exterior Wall Assembly 1A

type 1 - see A001 for profile

+ vapour permeable weather barrier

+ 1x4 vertical shiplap wood cladding -

+ vapor permeable weather barrier

+ 2x4 nailer as required

+ rainscreen grid

A001 for profile

+ rainscreen grid

+ 5/8" type X gypsum wallboard (5/8" type X gypsum tile backer board in wet areas) + refer to wall finish schedule for interior

Exterior Wall Assembly 1B + 1x4 vertical shiplap wood cladding type 1 - see A001 for profile + rainscreen grid + 3/4" shiplap wood cladding - type 2 - see

+ vapor permeable weather barrier + 1 1/2" XPS rigid insulation + 5/8" type X gypsum sheathing + plywood sheathing as per structural + 2x6 wood studs as per structural

+ 4" 2lb. sprayfoam insulation (R20) (vapor + 1x4 wood strapping @ 16" o.c. + 5/8" type X gypsum wallboard (5/8" type

X gypsum tile backer board in wet areas) + refer to wall finish schedule for interior

Section Detail @ Entry Door Threshold Scale 1 1/2" = 1'-0"

weather barrier over peel

peel and stick membrane

and stick membrane

tie into door frame

anodized aluminum

flashing w/ drip edge

anodized aluminum

low slope roofing -

curtainwall

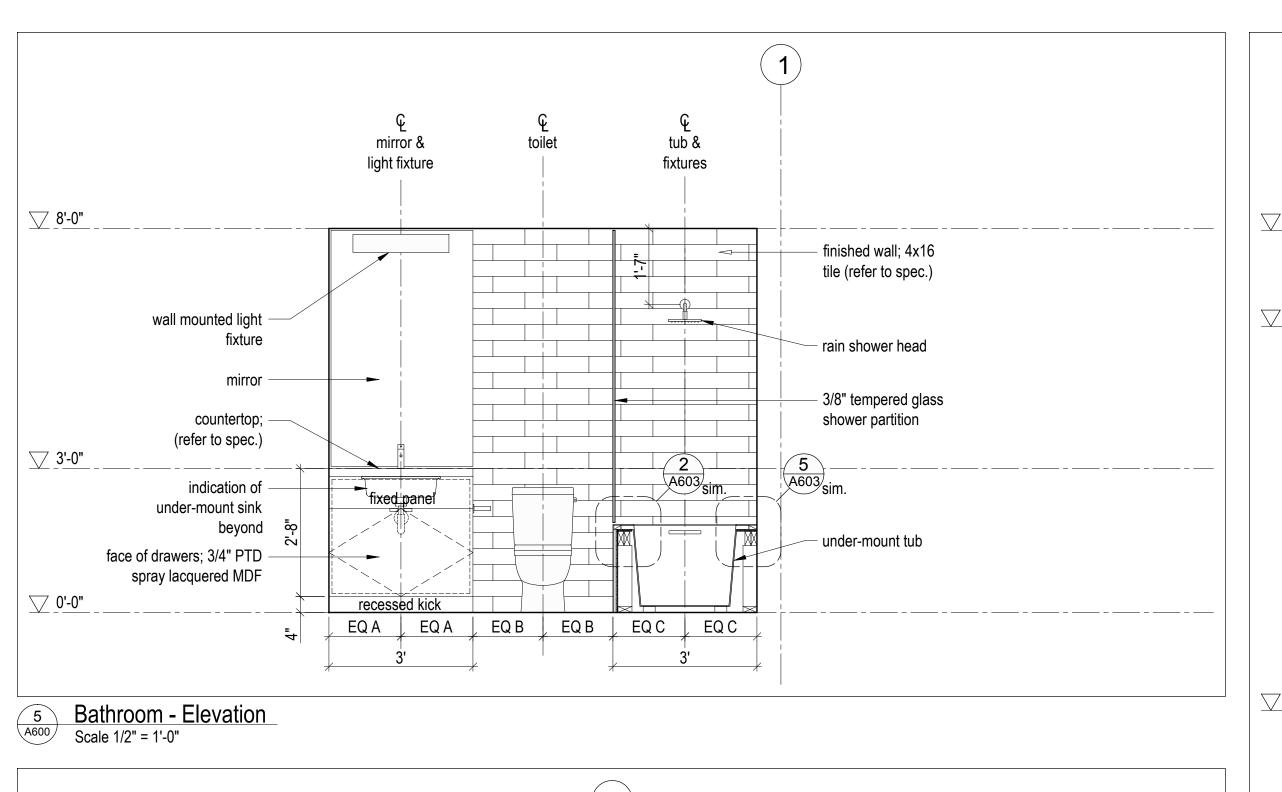
slope to drain, 2% mir

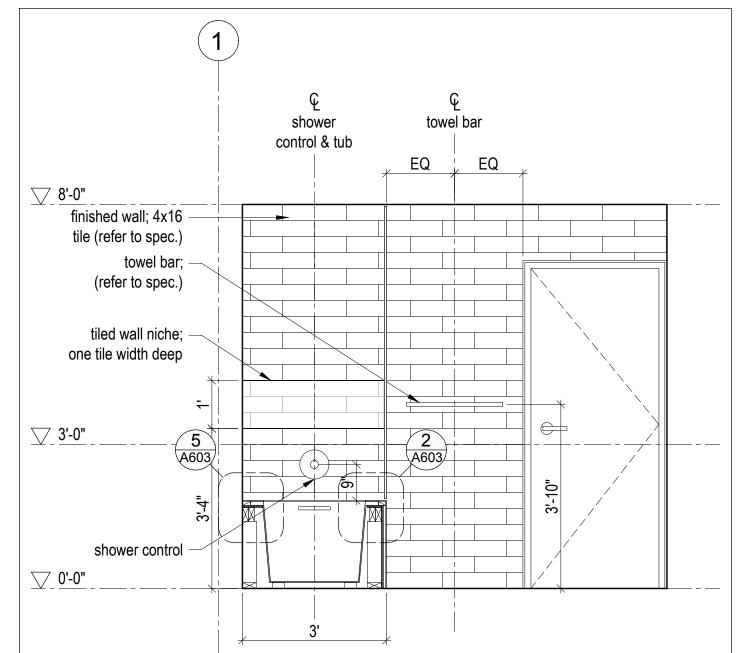
membrane - tie into

flashing c/w drip edge

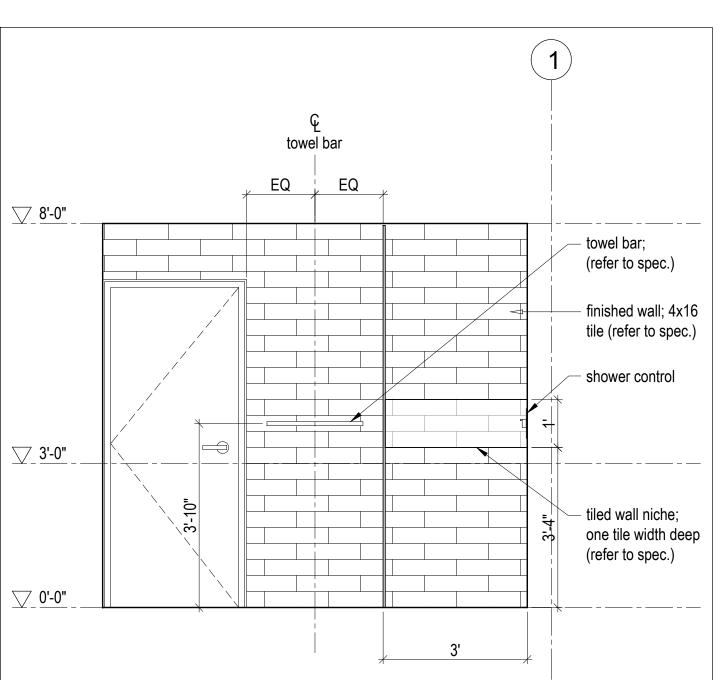
Section Detail @ Entry Door Head

- Assemblies

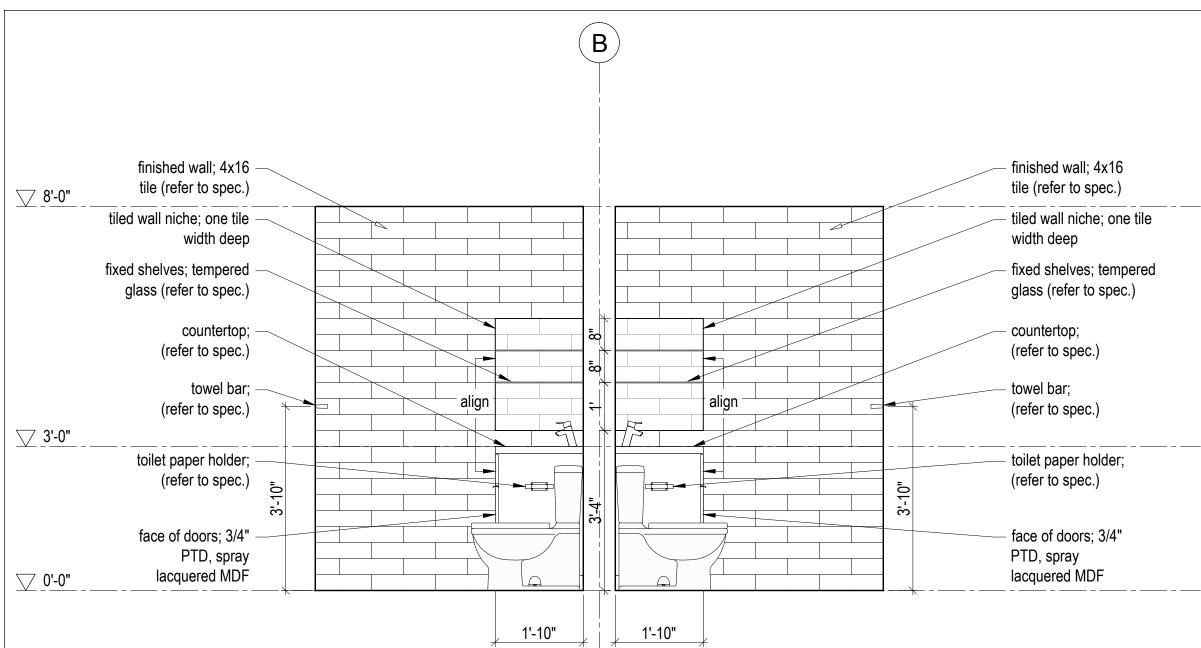




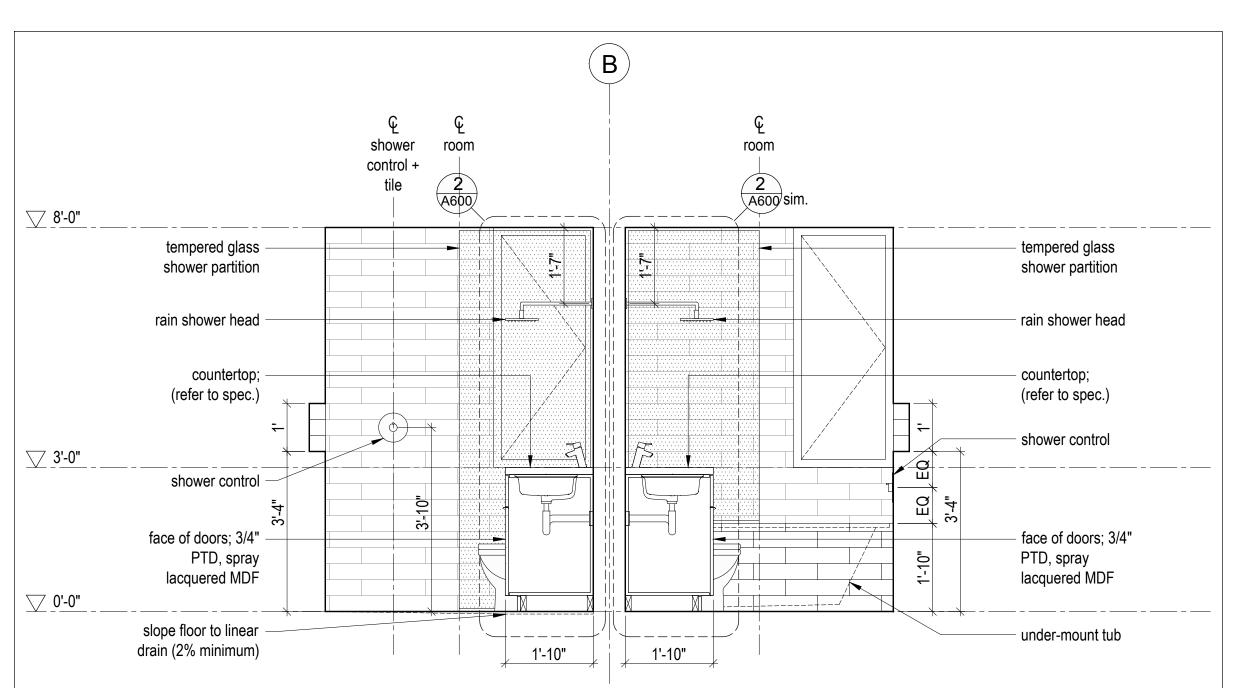
Bathroom - Elevation
Scale 1/2" = 1'-0"



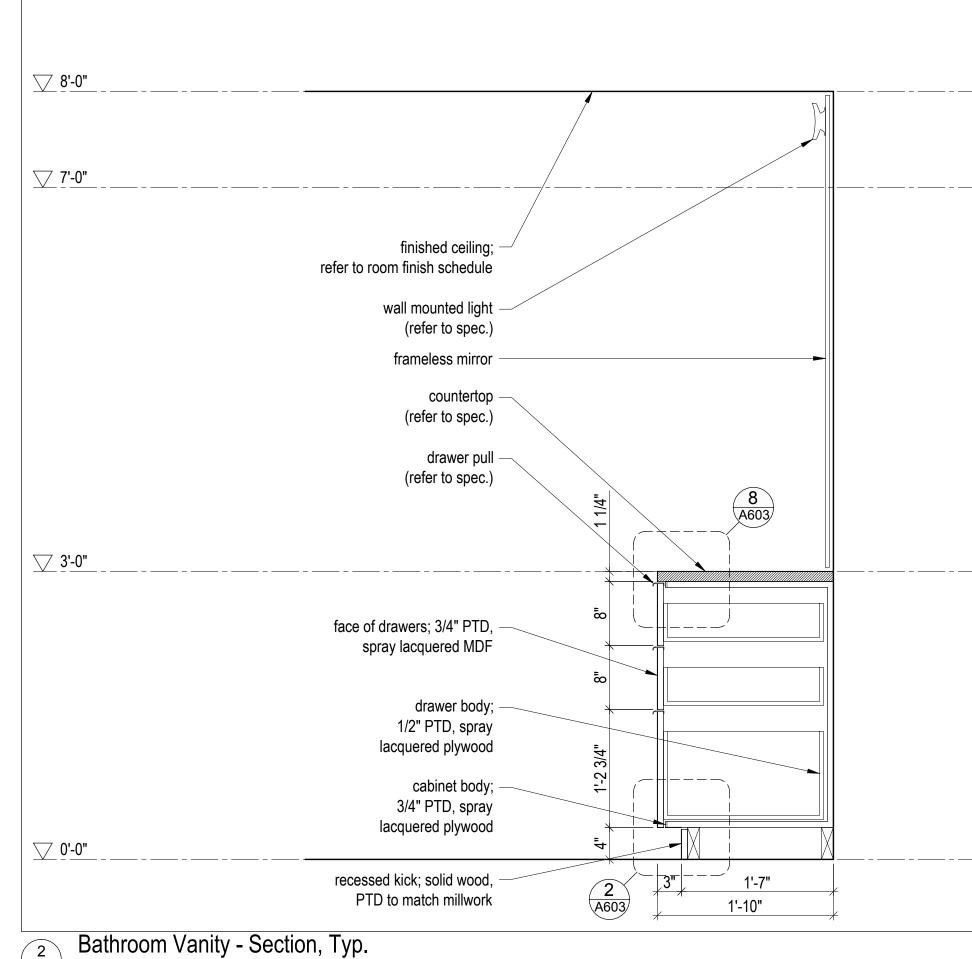
Bathroom - Elevation
Scale 1/2" = 1'-0"



Bathroom - Section
Scale 1/2" = 1'-0"

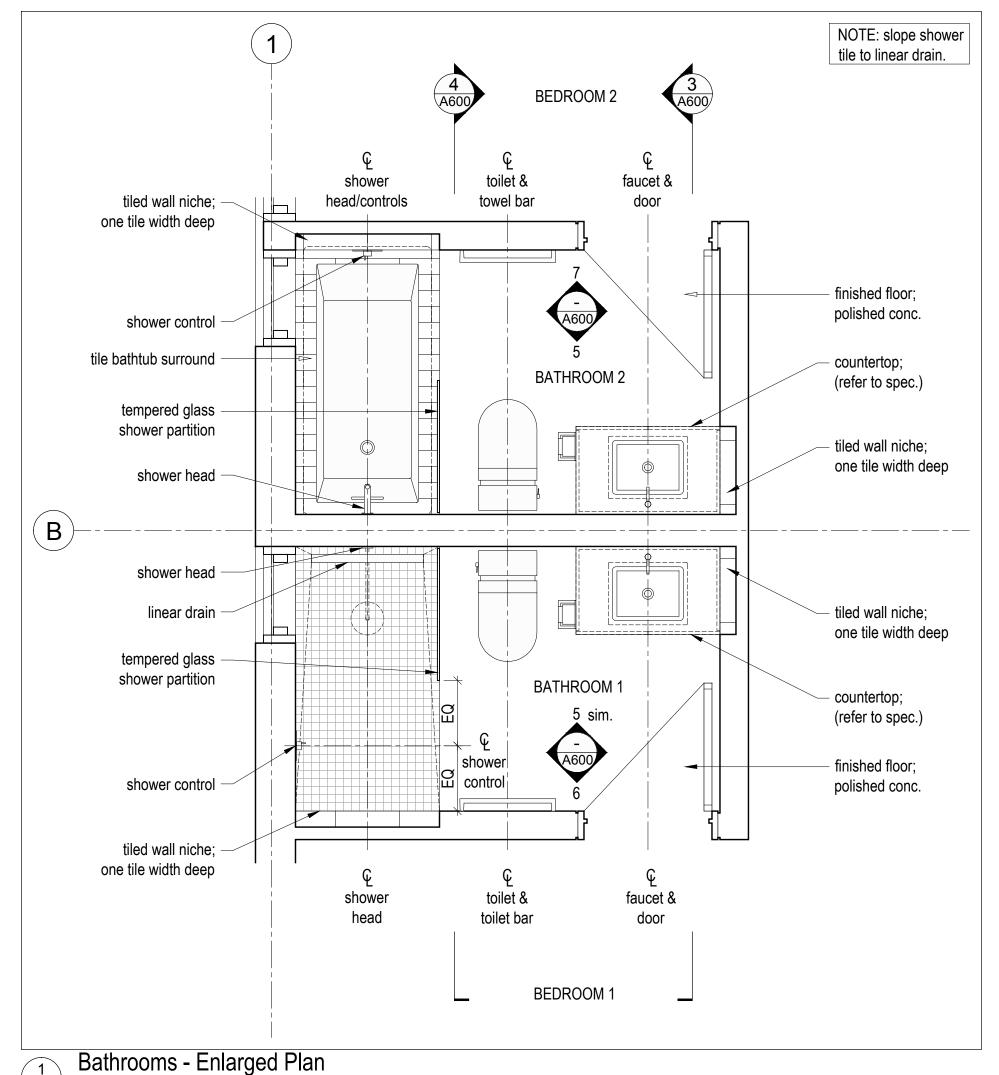


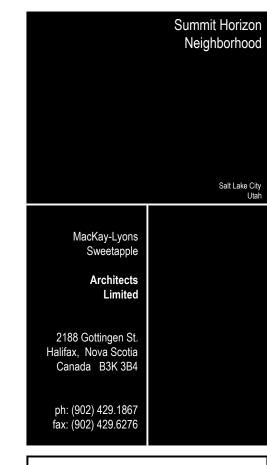
Bathroom - Section
Scale 1/2" = 1'-0"

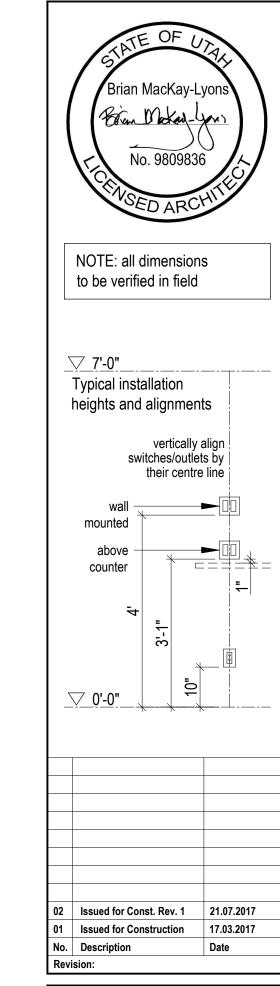


Scale 1" = 1'-0"

Scale 1/2" = 1'-0"







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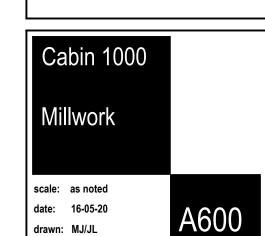
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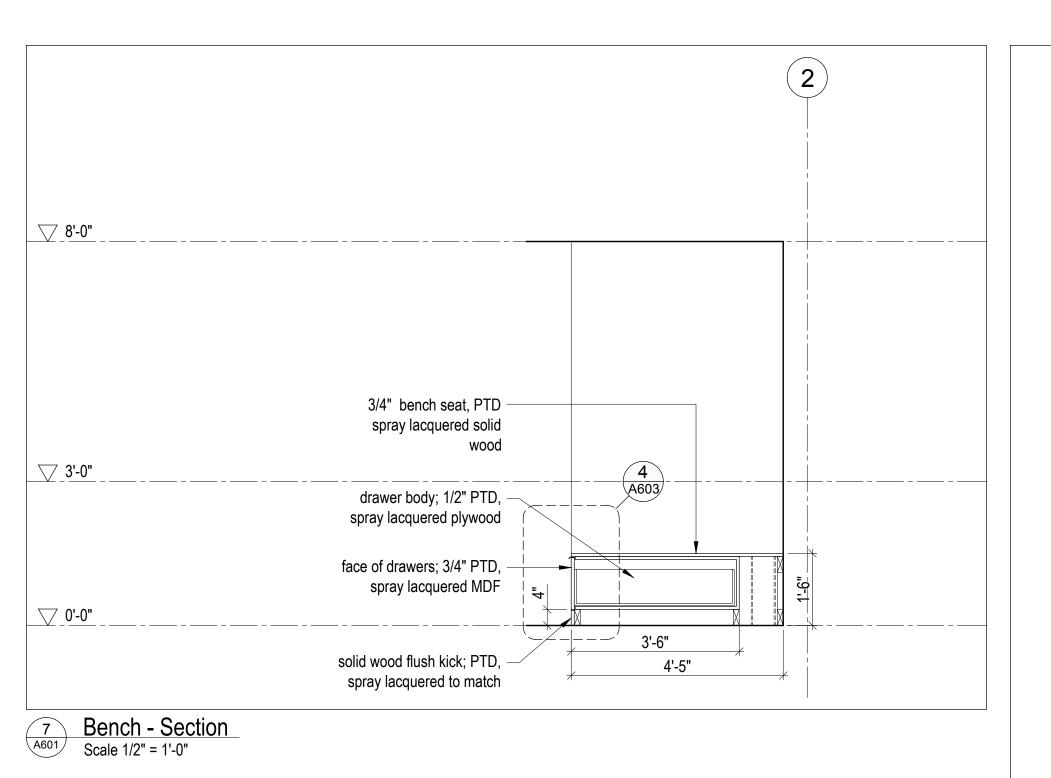
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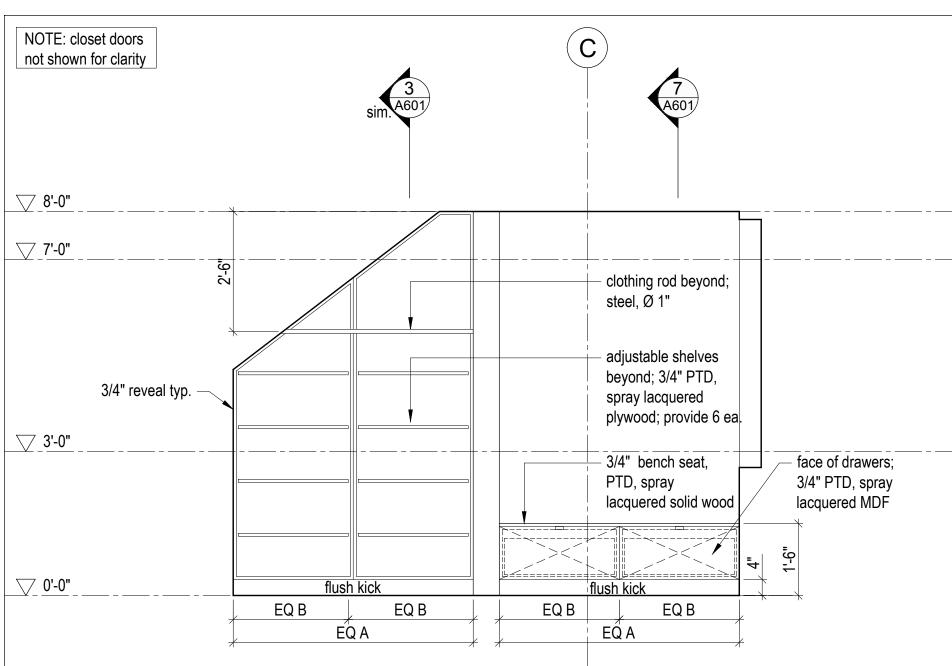
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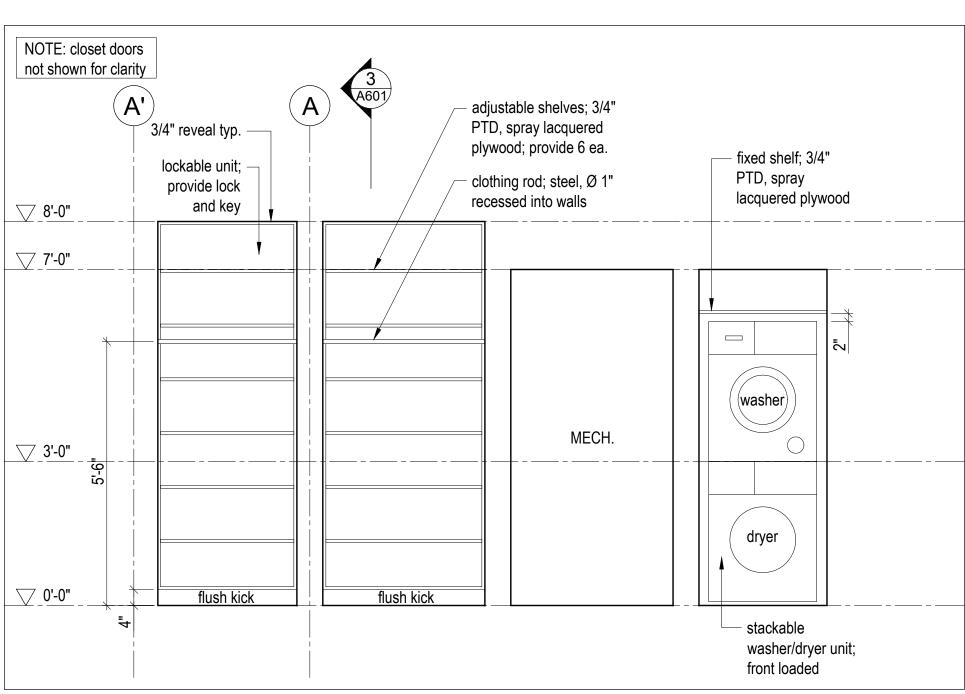
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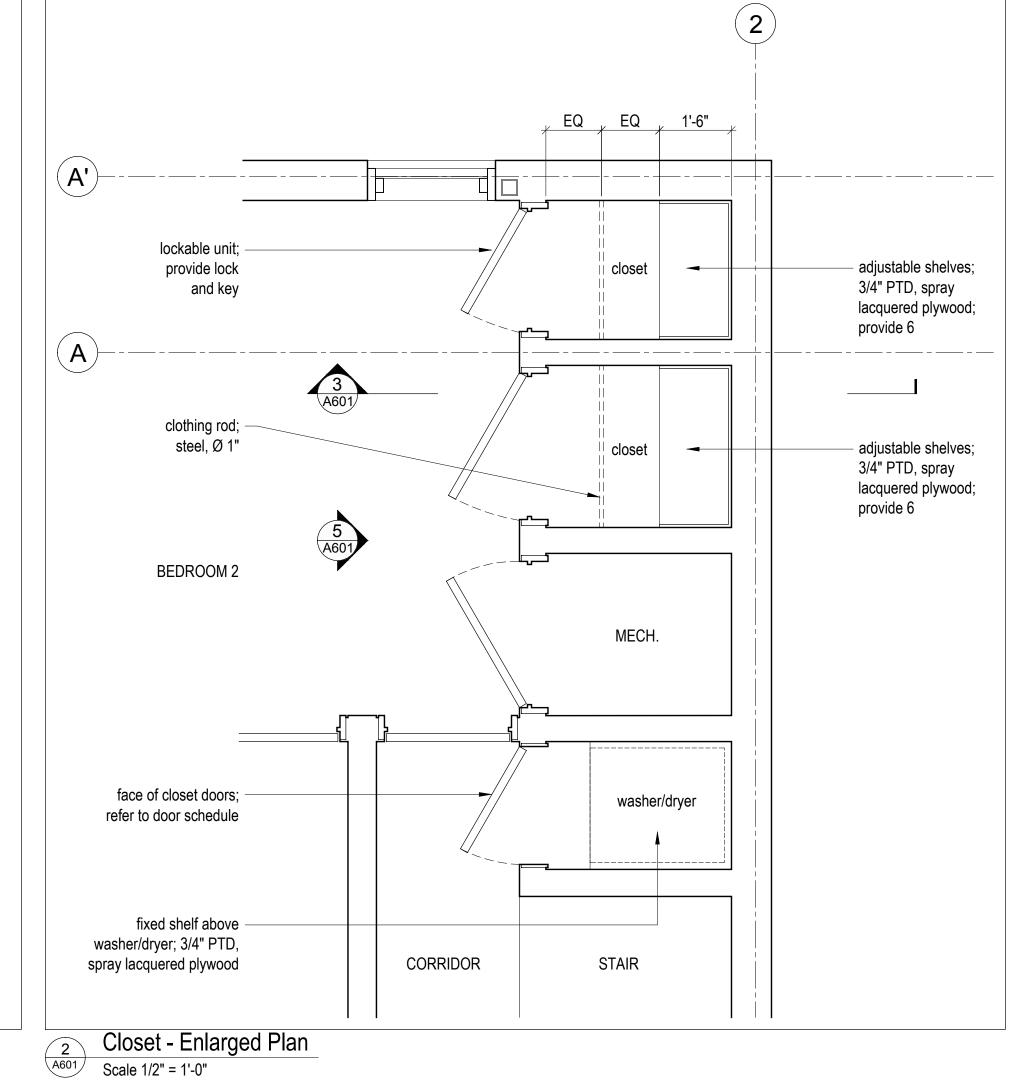


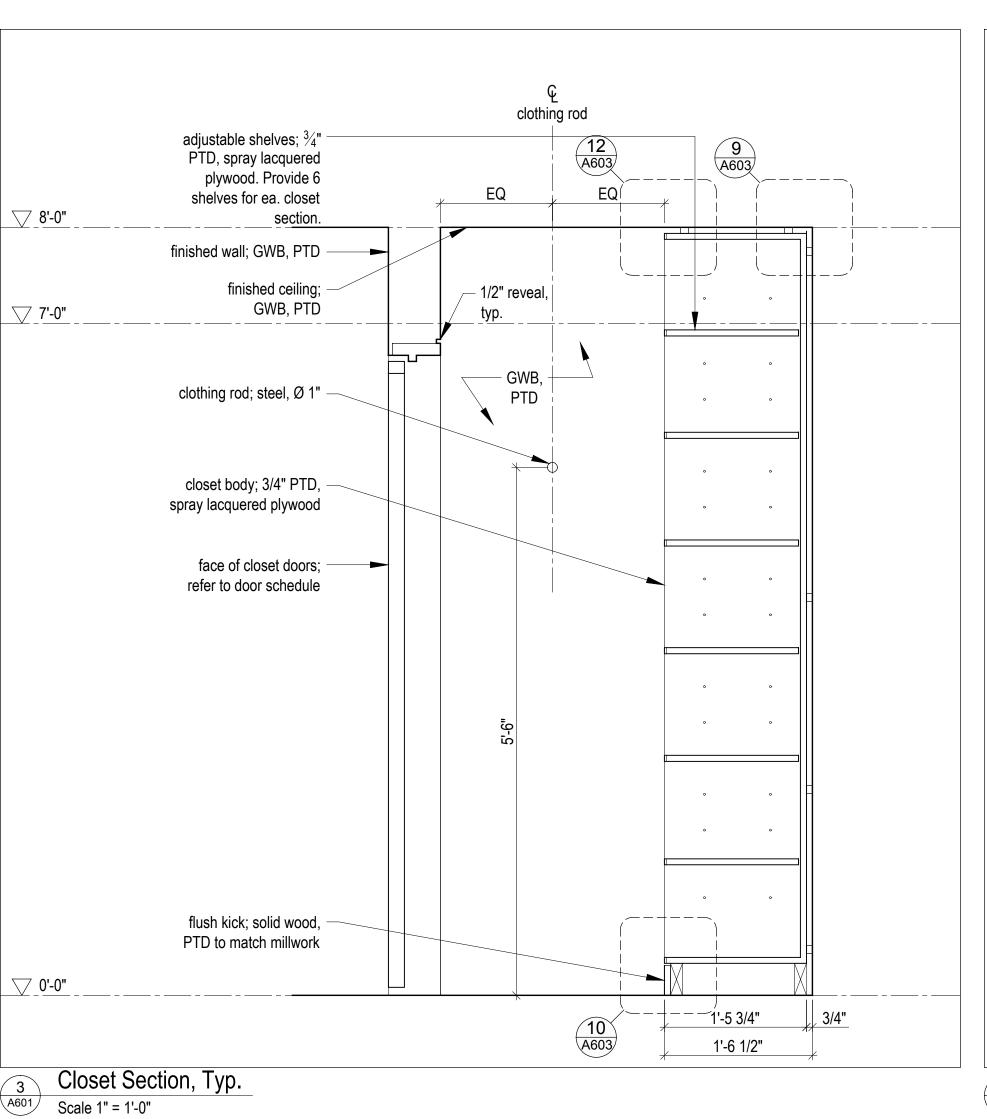


Closet - Elevation
Scale 1/2" = 1'-0"

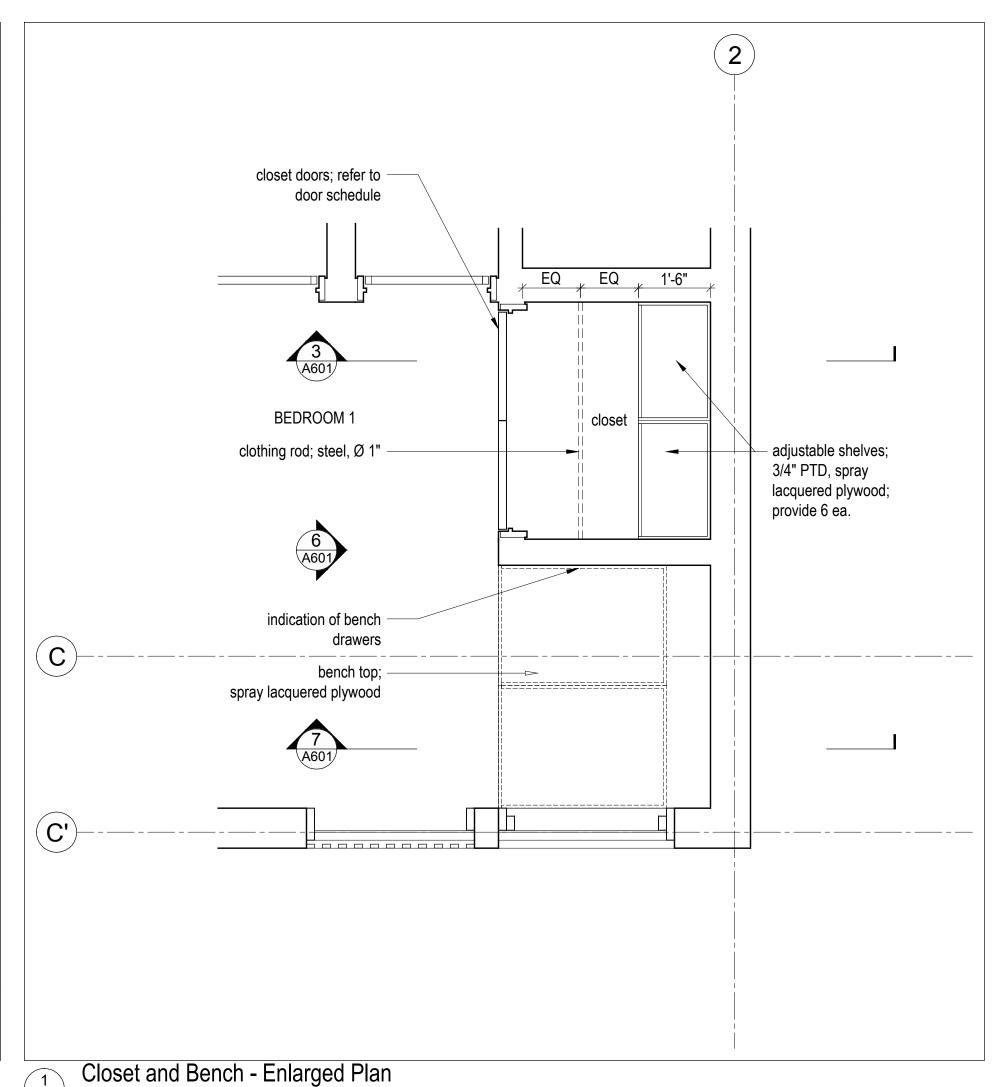


Closet - Elevation
Scale 1/2" = 1'-0"

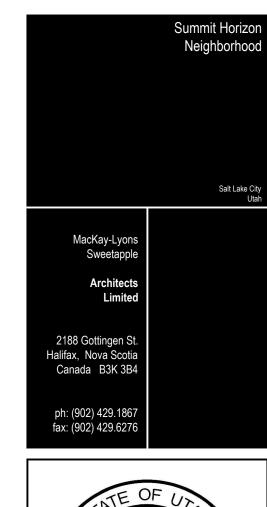


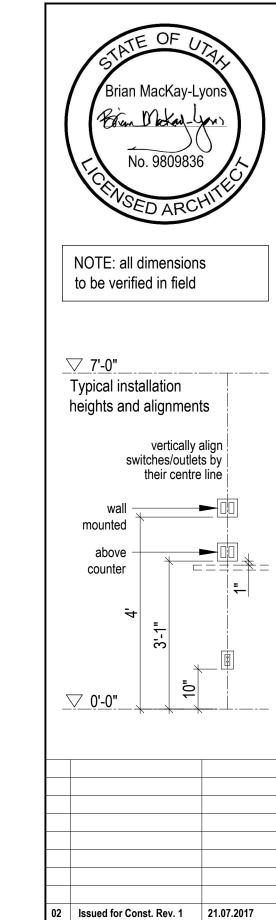


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Scale 1/2" = 1'-0"





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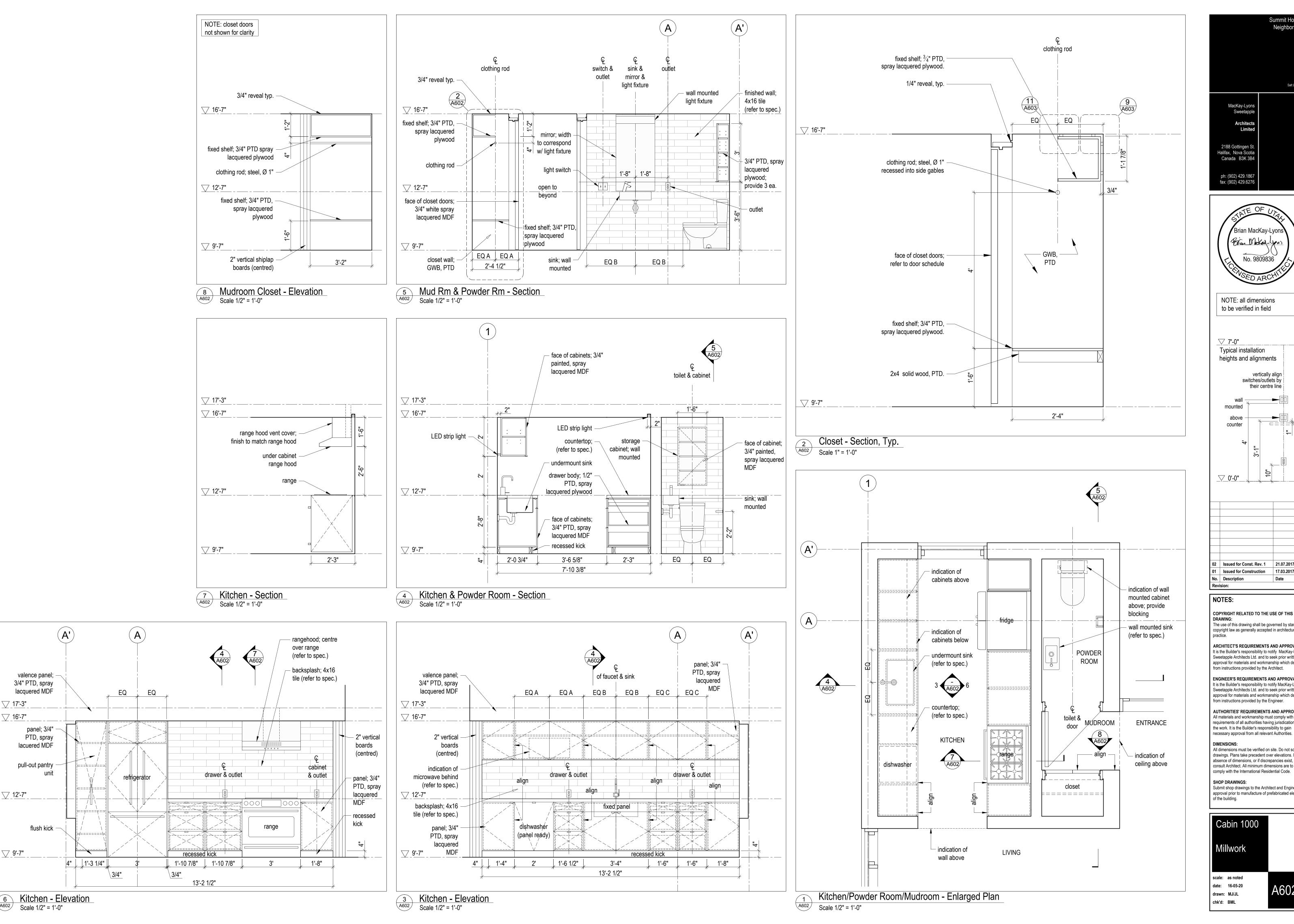
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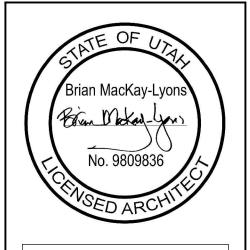
approval prior to manufacture of prefabricated elements of the building.



drawn: MJ/JL chk'd: BML



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



NOTE: all dimensions to be verified in field 

Typical installation

heights and alignments vertically align switches/outlets by their centre line mounted above counter

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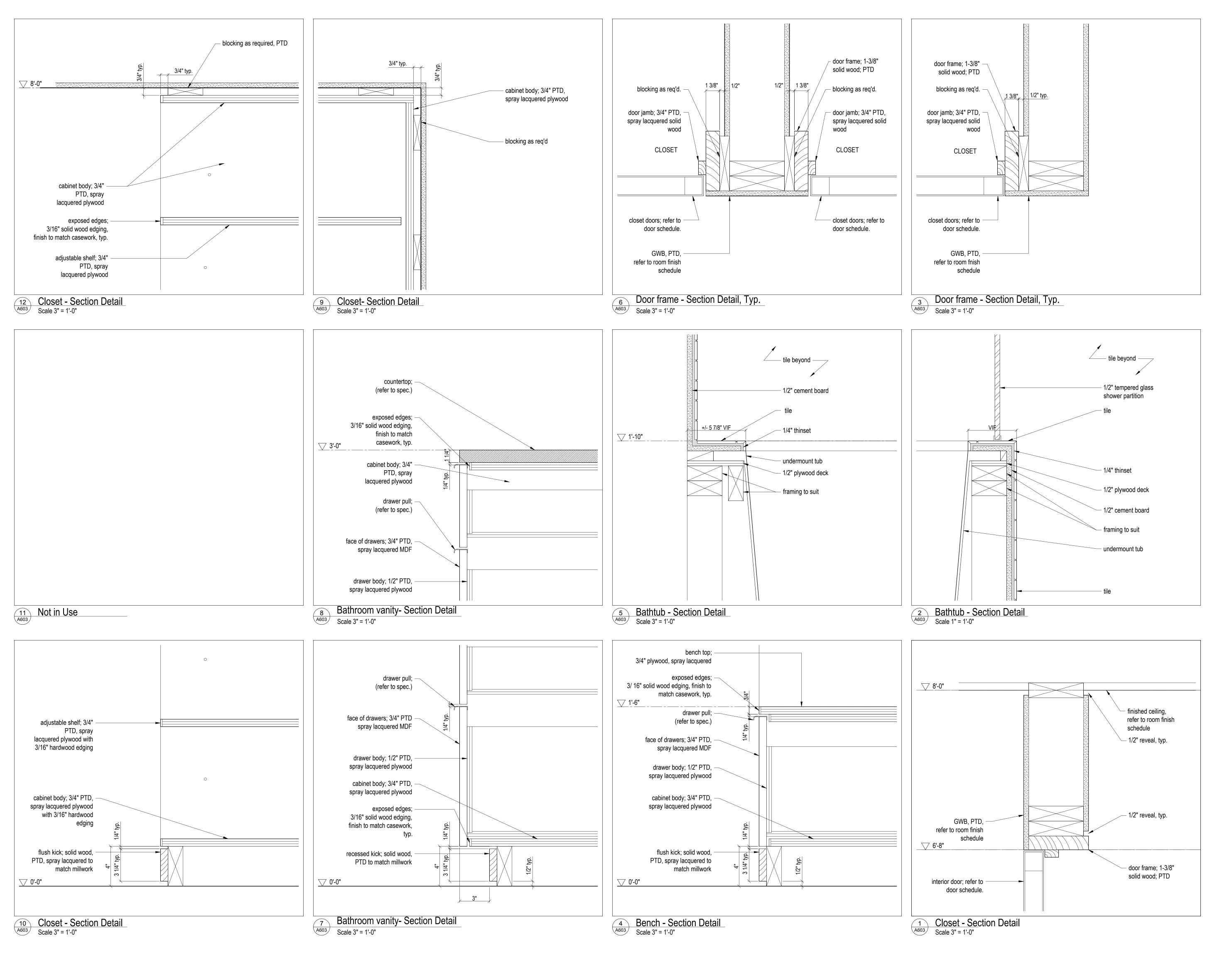
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Cabin 1000 Millwork

scale: as noted date: 16-05-20 drawn: MJ/JL



Summit Horizon
Neighborhood

Salt Lake City
Utah

MacKay-Lyons
Sweetapple

Architects
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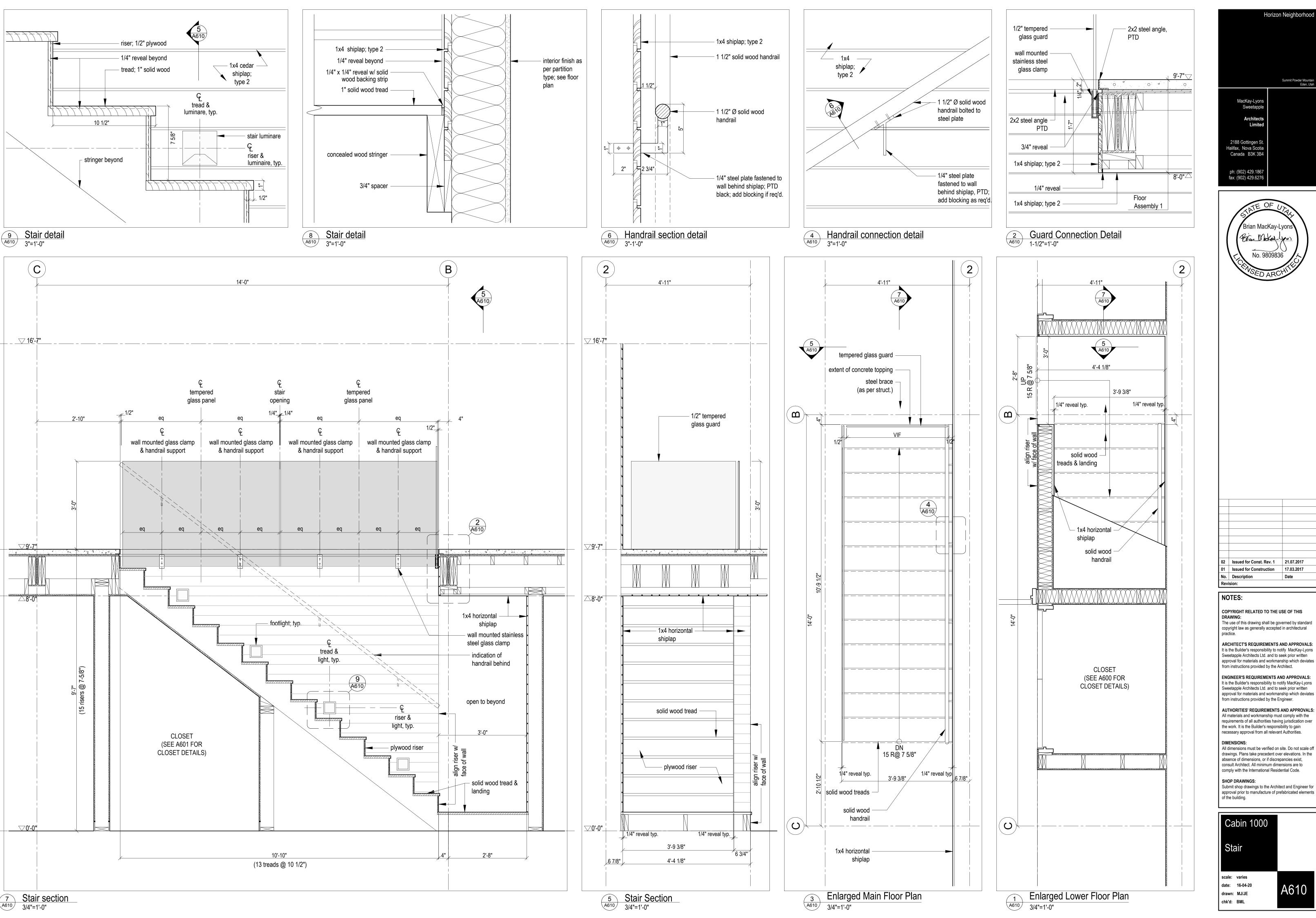
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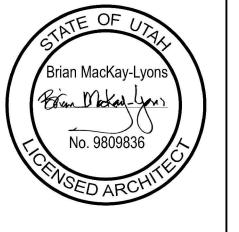
approval prior to manufacture of prefabricated elements of the building.



drawn: MJ/JL



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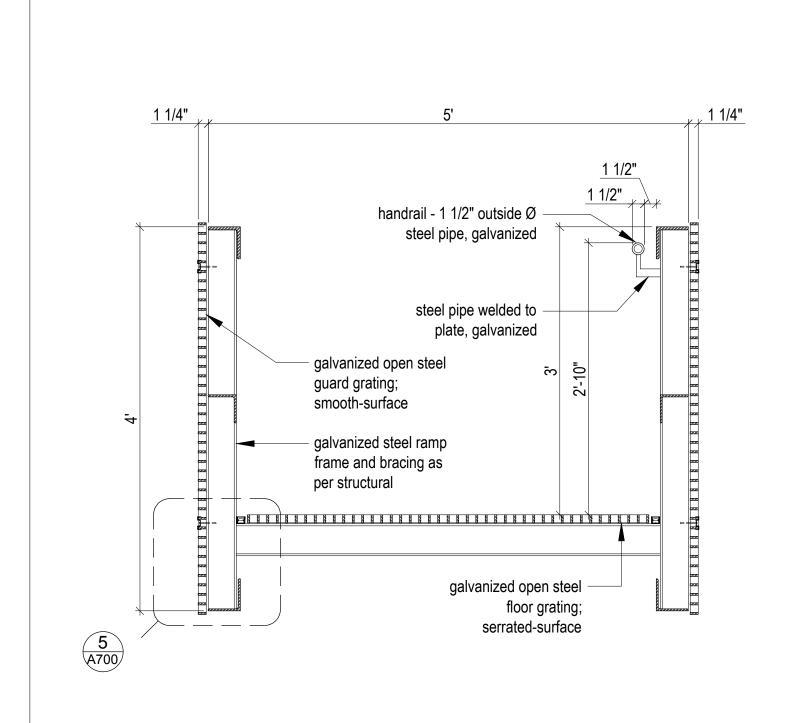
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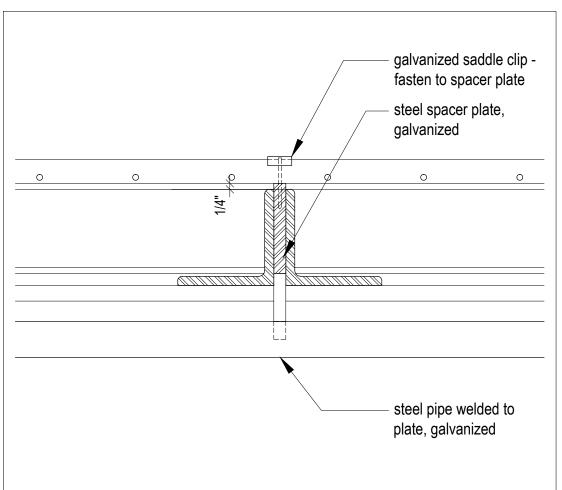
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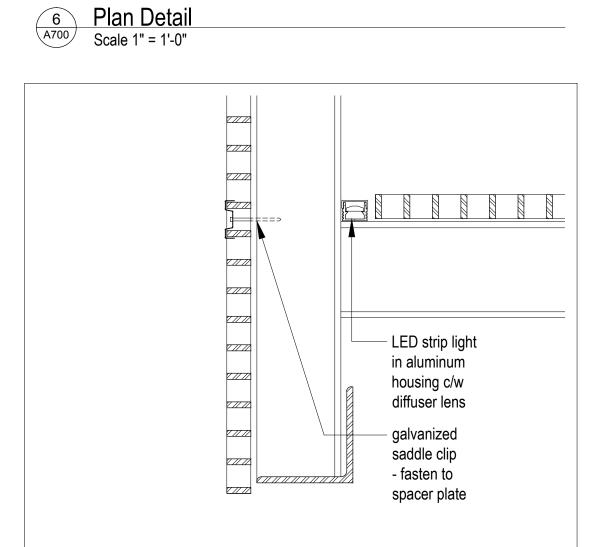
Cabin 1000

	Fin. Floor Elev.	Ramp Length	Landing Elev.	Vertical Rise	Slope (16% max)
Unit 11	8726'-0"	40'-0"	8723'-6"	2'-6"	6.25%
Unit 13	8801'-6"	40'-0"	8799'-6"	2'-0"	5%
Unit 16	8756'-0"	38'-0"	8753'-6"	2'-6"	6.6%
Unit 19	8728'-6"	stair required	8823'-6"	n/a	n/a
Unit 21	8737'-0"	40'-0"	8734'-6"	2'-6"	6.25%
Unit 26	8709'-0"	40'-0"	8706'-6"	2'-6"	6.25%
Unit 27	8727'-0"	48'-0"	8724'-6"	2'-6"	5.21%
Unit 29	8764'-6"	40'-0"	8764'-6"	0'-0"	0%

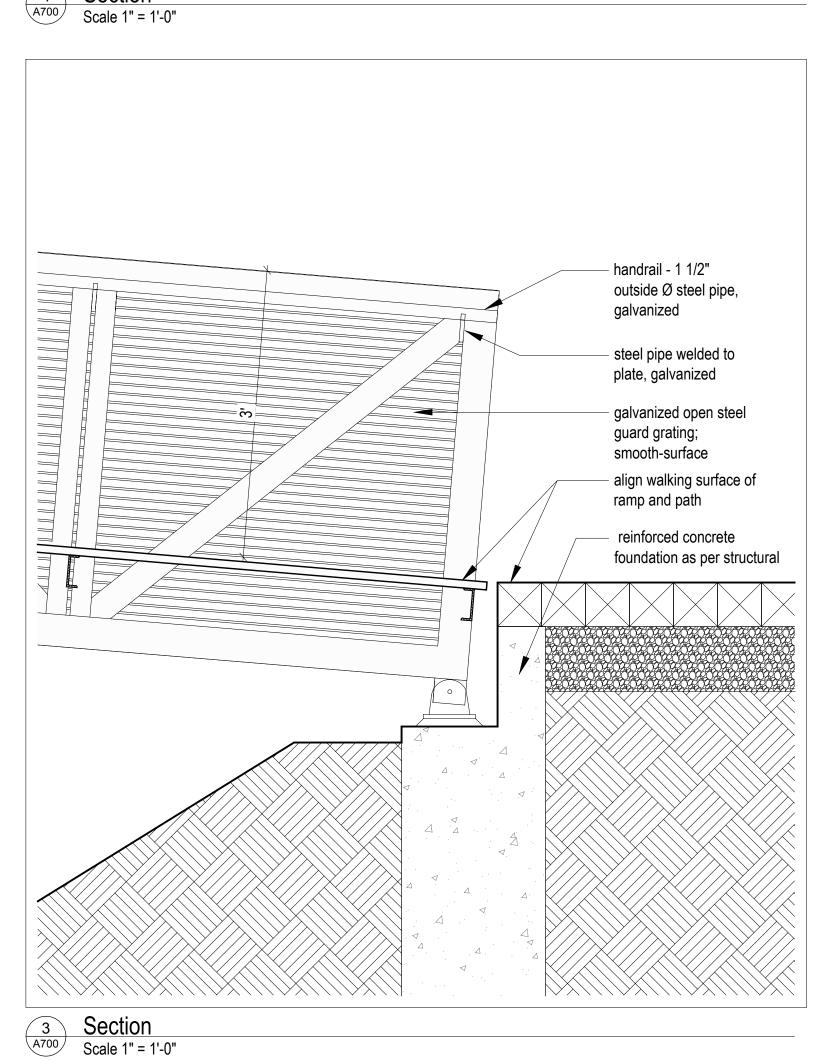


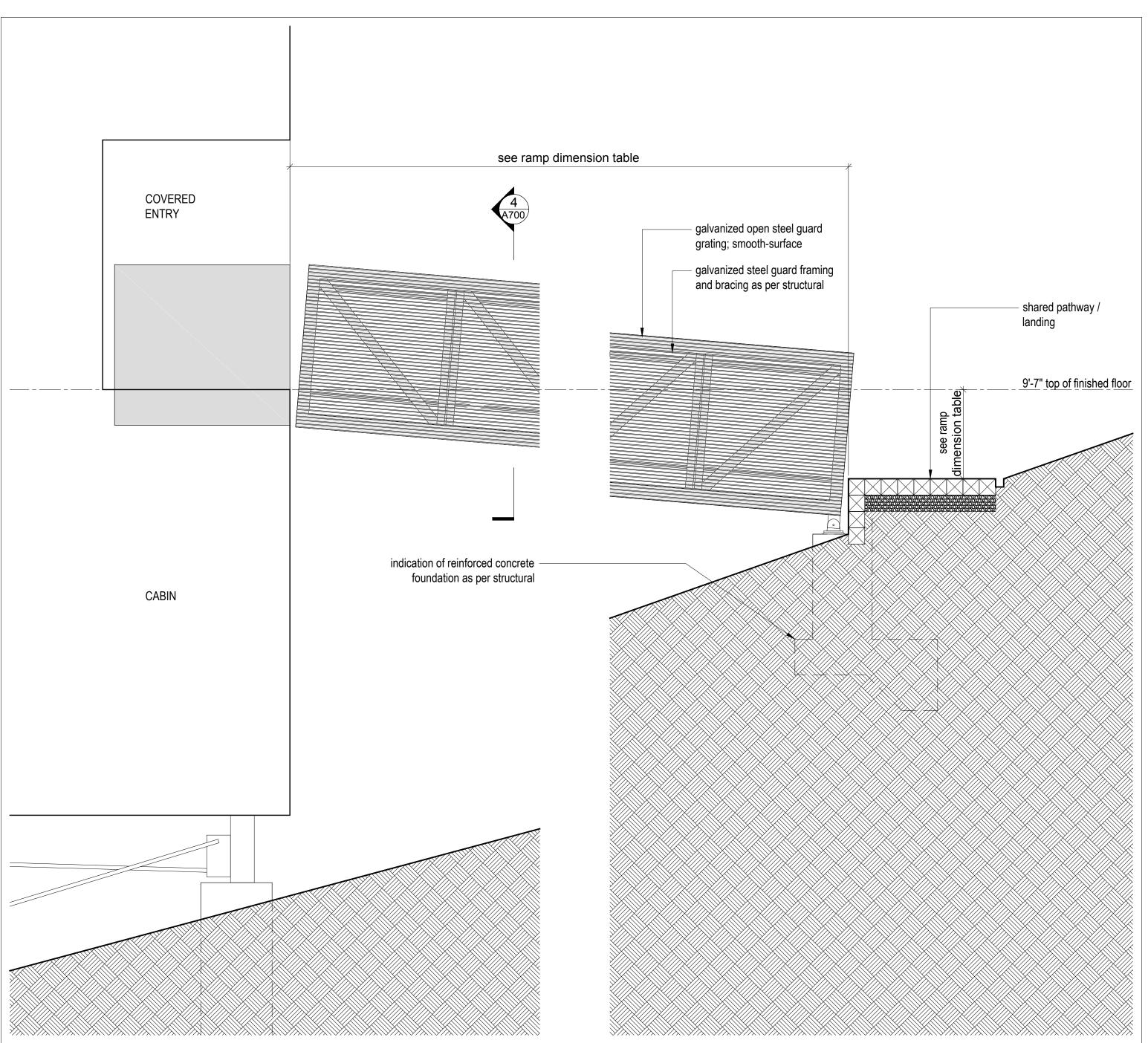
4 Section





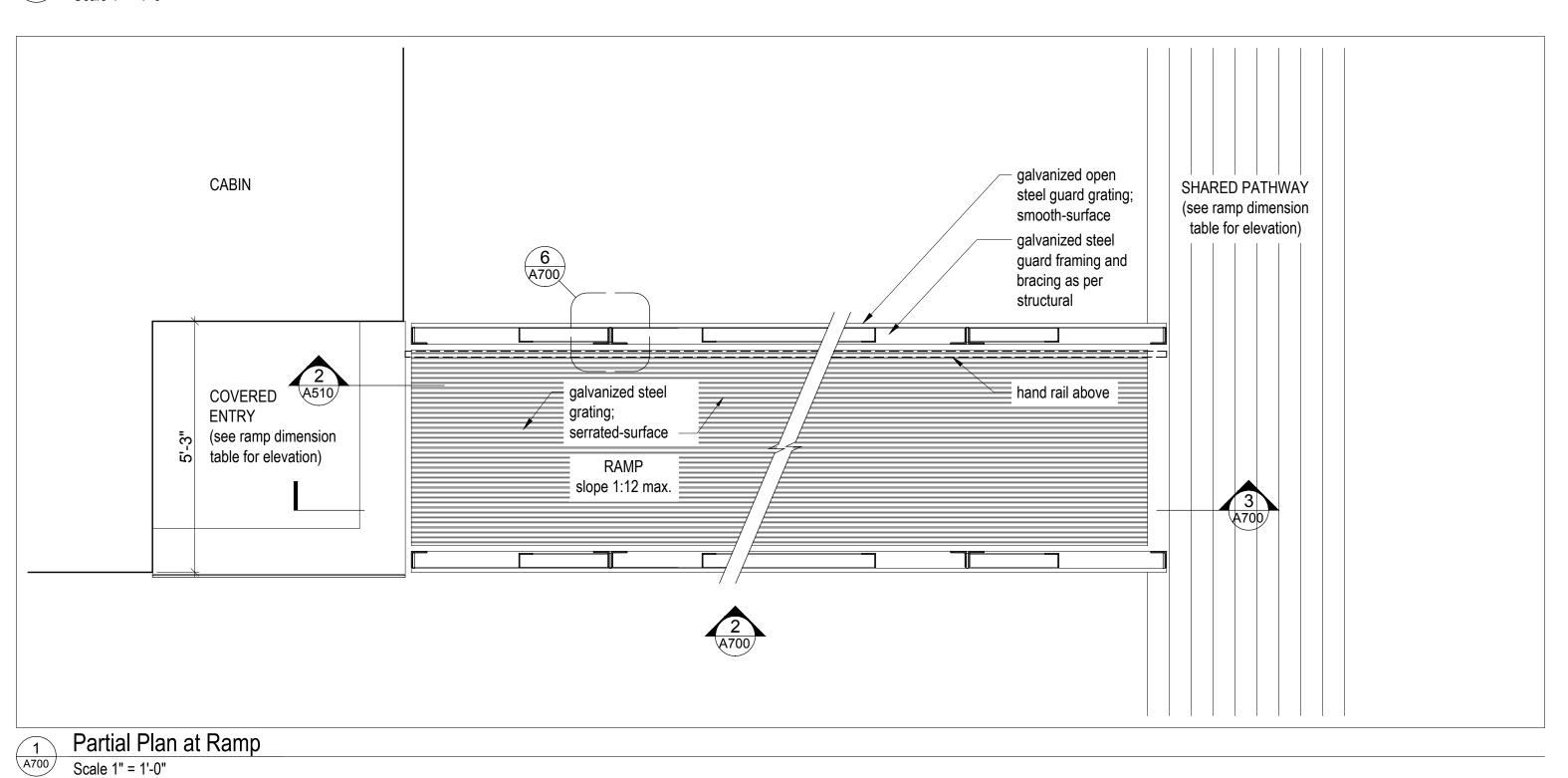


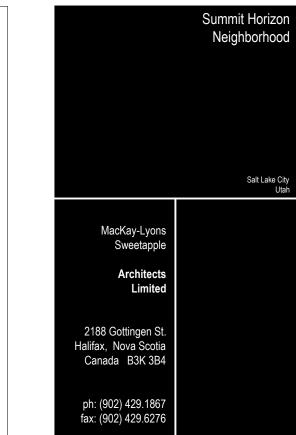




Partial Elevation @ Ramp

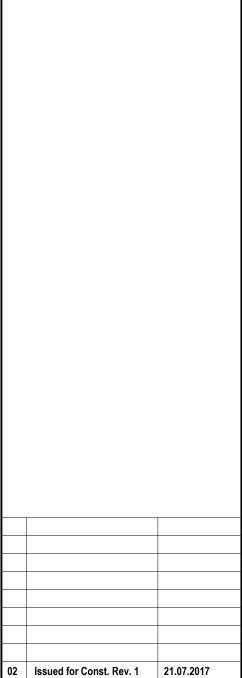
Scale 1" = 1'-0"





Brian MacKay-Lyor

Even Mokay-you



### NOTES:

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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.

Issued for Construction 17.03.2017

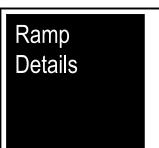
ENGINEER'S REQUIREMENTS AND APPROVALS: It is the Builder's responsibility to notify MacKay-Lyons Sweetapple Architects Ltd. and to seek prior written approval for materials and workmanship which deviates from instructions provided by the Engineer.

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 International Residential Code.

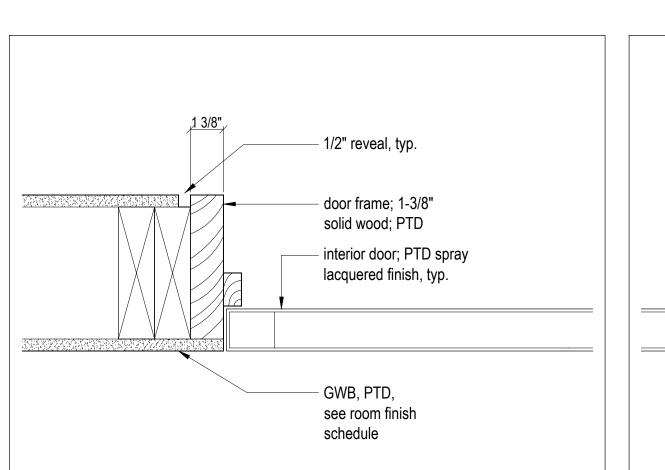
SHOP DRAWINGS:
Submit shop drawings to the Architect and Engineer for approval prior to manufacture of prefabricated elements of the building.



scale: varies date: 16-05-24

drawn: MJ/DP chk'd: BML





GWB, PTD, refer to room finish schedule 1/2" reveal, typ. 1 3/8" door frame; 1-3/8" solid wood; PTD interior door; PTD spray lacquered finish, typ.

1/2" reveal, typ. GWB, PTD, refer to room finish schedule interior door; PTD spray - door frame; 1-3/8" lacquered finish, typ. solid wood; PTD

Typical Door Frame - Head Detail

Typical Door Frame - Jamb Detail Scale 3" = 1'-0"

Typical Door Frame - Jamb Detail

Scale 3" = 1'-0"

Scale 3" = 1'-0"

- skylight at 7:12 slope above eave. shown on the flat for dimensional purposes. 1 required structural silicone joint; typical \_\_\_\_ structural silicone joint; typical structural silicone - structural silicone joint - no backsection joint - no backsection 1 required 1 required 1 required 1 required 1 required <u> 76'-3" top of door</u> u/s of skylight 2'-6" for all door construction see specification finish to PTD; typ. operable panel √ 11'-7" bottom of window \_\_\_\_\_\_ 9'-7" top\_of finished floor ∀ 9'-7" top of finished floor 3'-6" 3'-7 1/4" EQ. EQ. 2'-10" 3'-6 5/8" 3'-1 1/4" 13'-6 1/2" 13'-1" grey tone indicates storefront glazing system; typical 1 required 1 required 1 required 1 required 1 required 1 required 8'-0" u/s of ceiling Typ. closet door 4 required for all door construction see specification

2'-6"

3'-1 5/8" 2'-0 1/8" 2'-0 1/8"

5'-1 3/4"

3'-6"

3'-8"

○ 0'-0" top of finished floor

Window and Door Schedule
Scale 1/4" = 1'-0"

#### NOTES:

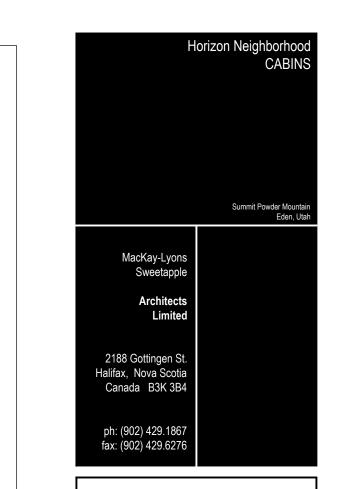
finish to PTD; typ.

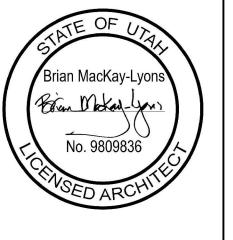
2'-8"

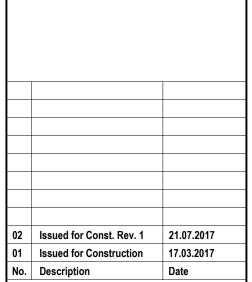
varies

\_\_\_\_\_ 0'-0" top of finished floor

- 1. Curtainwall window frames to be OLDCASTLE RELIANCE SS series clear anodized aluminum.
- 2. Casement Operators in Curtainwall window frames to be OLDCASTLE ZERO SIGHTLINE SERIES 30P clear anodized aluminum finish. Outswing operation typical.
- 3. Storefront window frames to be OLDCASTLE SERIES 3000 THERMAL MULTIPLANE series clear anodized aluminum finish.
- Indicated with grey tone. 4. Casement Operators in storefront window frames to be OLDCASTLE
- S-3375. Outswing operation typical, inswing operation where indicated. 5. Entrance door to be OLDCASTLE AD-375 THERMAL ENTRANCE
- series clear anodized aluminum finish, outswing. 6. Sliding Doors to be OLDCASTLE TerraSlide 60E - OX Slider series clear anodized aluminum finish.
- 7. Skylight to be OLDCASTLE BMS-3000 SKYLIGHT series clear anodized aluminum finish.
- 8. All glazed entry doors and sliders to have keyed entry lever and deadbolt. Information to be provided as part of glazing shop drawings and reviewed by architect.
- 9. The sizes are rough openings. It is the contractor's responsibility to determine finished frames.
- 10. All operable windows to have screens. Review screen type with architect prior to installation.
- 11. All inswinging casement operators to be equipped with inswing
- operable screens. 12. All window head / sill / jamb flashing to be black annodized aluminum
- to match windows.
- 13. All window head / sill / jamb assembly details to be designed by window manufacturer and approved by the architect.
- 14. All operable windows to be outswing unless otherwise noted.
- 15. All joints of door cladding to align with joints of wall cladding when doors are in closed position.
- 16. All window dimensions in this drawing to be verified in field prior to
- fabrication. 17. Provide shop drawings for all windows and doors for review by
- architect prior to fabrication and installation.
- 18. All glazing 18" or less from the finished floor to be tempered, unless otherwise noted
- 19. Refer to floor plans for door swing directions.







## NOTES:

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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 International Residential Code.

## SHOP DRAWINGS:

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



### scale: noted date: 16-06-24



#### GENERAL STRUCTURAL NOTES

- 1. IN ALL CASES, "CONTRACTOR" SHALL REFER TO THE CONTRACTOR OR SUB-CONTRACTOR RESPONSIBLE FOR THE TRADE SPECIFICALLY REFERRED TO IN THE NOTES (i.e. STEEL, CONCRETE, MASONRY). THE "CONTRACTOR" SHALL MEET ALL NOTE REQUIREMENTS AND SHALL INCLUDE THE COSTS ASSOCIATED WITH THESE REQUIREMENTS IN HIS/HER BID. THE GENERAL CONTRACTOR, OR CONSTRUCTION MANAGER, IS ULTIMATELY RESPONSIBLE FOR COMPLIANCE WITH ALL NOTE REQUIREMENTS.
- THE CONTRACTOR SHALL PERFORM HIS/HER TRADE AND DUTIES IN A MANNER CONFORMING TO THE PROCEDURES AND REQUIREMENTS AS STATED IN THE 2015 INTERNATIONAL BUILDING CODE (IBC), AND/OR LATEST CODE ADOPTED BY THE LOCAL BUILDING OFFICIAL, AND ALL LOCAL ORDINANCES.
- 3. THE GENERAL CONTRACTOR, OR PROJECT MANAGER, SHALL COORDINATE THE WORK PERFORMED BY ALL TRADES.
- 4. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND/OR ARCHITECT OF ANY DISCREPANCIES, OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR THE SPECIFICATIONS BEFORE PROCEEDING WITH ANY WORK INVOLVED. IN ALL CASES, UNLESS OTHERWISE DIRECTED, THE MOST STRINGENT REQUIREMENTS SHALL GOVERN AND BE PERFORMED.
- 5. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS, SLOPES AND ELEVATIONS, ETC.. AT THE JOB SITE AND SHALL COORDINATE THESE WITH THE ARCHITECT AND WITH ALL TRADES. CONSTRUCTION DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS.
- 6. VISITS TO THE JOB SITE BY REPRESENTATIVES OF THE ENGINEER DO NOT CONSTITUTE APPROVAL OF THE WORK PERFORMED BY THE CONTRACTOR OR HIS SUBCONTRACTORS; THEY ARE MERELY FOR THE PURPOSE OF OBSERVATION.
- 7. SHOP DRAWINGS FOR ANY FABRICATED COMPONENTS OR COMPONENTS DESIGNED-BY-MANUFACTURER SHALL BE APPROVED BY THE ENGINEER AND ARCHITECT PRIOR TO FABRICATION AND ERECTION. SHOP DRAWINGS SHALL BE STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE SAME STATE AS THE PROJECT.
- 8. THE CONTRACTOR SHALL VERIFY SIZES, LOCATIONS, LOADS, AND EQUIPMENT ANCHORAGE IN THE FIELD WITH THE EQUIPMENT MANUFACTURER (OR SUPPLIER) PRIOR TO FABRICATION OR INSTALLATION OF SUPPORTING STRUCTURES.
- 9. TEMPORARY SHORING (BRACING) SHALL BE PROVIDED WHERE NECESSARY. SHORING SHALL SUPPORT ALL LOADS TO WHICH THE STRUCTURE MAY BE SUBJECTED (i.e. WIND). SHORING SHALL REMAIN IN PLACE AS LONG AS MAY BE REQUIRED FOR SAFETY OR UNTIL ALL THE STRUCTURAL ELEMENTS ARE COMPLETED. ALL SHORING IS THE RESPONSIBILITY OF THE CONTRACTOR
- 10. DURING AND AFTER CONSTRUCTION. THE CONTRACTOR AND OWNER SHALL KEEP LOADS ON THE STRUCTURE WITHIN THE LIMITS OF THE DESIGN LOADS FOR THE OCCUPANCY. SEE STRUCTURAL PLANS AND CALCULATIONS FOR STRUCTURAL DESIGN LOADINGS AND
- 11. ANY SPECIAL INSPECTION REQUIRED BY THE CONSTRUCTION DOCUMENTS, OR BY THE BUILDING OFFICIAL, OR BY THE IBC, IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ON BEHALF OF THE OWNER.
- 12. CONTRACTOR SHALL BE RESPONSIBLE FOR SAFETY AND PROTECTION WITHIN AND ADJACENT TO THE JOB SITE.
- 13. PRIOR APPROVAL, IN WRITING, FROM THE ENGINEER IS REQUIRED FOR ANY DEVIATION FROM THE STRUCTURAL PLANS AND/OR CONSTRUCTION DOCUMENTS. OPTIONAL MEMBER SIZES AND VARIATIONS IN THE FRAMING REQUIRE PRIOR APPROVAL OF THE ENGINEER, ARCHITECT AND OWNER. FAILURE TO FOLLOW PLANS AND CONSTRUCTION DOCUMENTS CONSTITUTES CHANGE IN PROJECT SCOPE.
- 14. SEE STRUCTURAL PLANS FOR ADDITIONAL STRUCTURAL NOTES AND REQUIREMENTS.
- 15. THE ENGINEER RESERVES THE RIGHT TO REQUEST REPLACEMENT OF ANY PORTION OF THE STRUCTURE DEVIATING FROM THE PLANS WHERE WRITTEN PRIOR APPROVAL HAS NOT BEEN OBTAINED AND WHERE INSPECTION BY THE ENGINEER PRIOR TO CONSTRUCTION OF THE CHANGED PORTION HAS NOT HAPPENED.
- 16. ALL SITE WORK, GRADING, COMPACTION AND BACKFILL, ETC. SHALL BE DONE IN COMPLIANCE WITH A GEOTECHNICAL REPORT SPECIFIC TO THE SITE. IT IS THE GENERAL CONTRACTORS RESPONSIBILITY TO OBTAIN A GEOTECHNICAL REPORT, IF ONE HAS NOT ALREADY BEEN OBTAINED, AND SUBMIT A COPY TO THE ENGINEER FOR VERIFICATION.
- 17. ALL ANCHORING ADHESIVE SHALL BE SIMPSON SET-XP EPOXY OR HILTI HIT-HY200 MAX-SD ADHESIVE. ANCHORS SHALL BE INSTALLED PER MANUFACTURERS INSTRUCTIONS.
- 18. ALL NON-EPOXIED POST-INSTALLED ANCHORS TO BE SIMPSON STRONG-BOLT 2 WEDGE ANCHORS, TITEN HD SCREW ANCHORS, HILTI KWIK HUS-EZ SCREW ANCHORS, OR HILTI KWIK
- 19. FASTENERS AND ANCHOR BOLTS USED IN PRESERVATIVE-TREATED WOOD SHALL BE HOT DIPPED ZINC-COATED GALVANIZED STEEL. THE COATING WEIGHTS SHALL BE IN ACCORDANCE WITH ASTM A 153.

#### GENERAL CONCRETE NOTES

- 1. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.
- ALL WORK SHALL BE IN STRICT ACCORDANCE WITH THE 2015 IBC, ACI 318, AND LOCAL ORDINANCES.
- 3. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO PLACING CONCRETE.
- 4 CONTRACTOR SHALL COORDINATE WITH MECHANICAL, ELECTRICAL, AND ARCHITECTURAL PRIOR TO PLACING CONCRETE. PROVIDE SLEEVES, BLOCK OUTS, ETC... AS REQUIRED.
- 5 CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER PLACEMENT OF ALL ANCHOR BOLTS. SEISMIC ANCHORS OR STRAPS, ETC.. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
- 6. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL FORM WORK, POUR STOPS, ETC. REQUIRED TO CONSTRUCT ALL CONCRETE WORK. SUCH FORM WORK IS NOT NECESSARILY SHOWN ON THE STRUCTURAL PLANS OR DETAILS. THE CONTRACTOR SHALL SPECIFY ALL

FORM WORK AND SHALL INCLUDE THE COST FOR SUCH IN HIS/HER ORIGINAL BID.

- 7. CONTRACTOR SHALL PROVIDE ALL SHORING AS REQUIRED.
- 8. FOOTINGS, FOUNDATION AND SLABS ON GRADE SHALL BE CONSTRUCTED ON PROPERLY COMPACTED NATURAL SOIL, OR ON STRUCTURAL FILL.
- 9. SEE FOUNDATION PLAN FOR ADDITIONAL NOTES AND REQUIREMENTS. **CONCRETE & REINFORCEMENT**
- 10. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI IN 28 DAYS. FLAT SLABS, FOUNDATION WALLS, AND CONCRETE RETAINING WALLS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI. A COMPRESSIVE STRENGTH OF 2500 PSI HAS BEEN USED FOR CONCRETE DESIGN.
- 11. SEE PROJECT SPECIFICATIONS FOR CONCRETE DESIGN REQUIREMENTS.
- 12. ALL REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO THE STANDARD SPECIFICATIONS ASTM A615 GRADE 60. REINFORCING STEEL SHALL BE PROPERLY TIED INTO PLACE PRIOR TO PLACING CONCRETE.
- 13. ALL REINFORCING STEEL SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH THE ACI DETAILING MANUAL AND ACI STANDARDS (LATEST EDITION).
- 14. ALL SPLICES IN CONTINUOUS CONCRETE REINFORCING BARS SHALL LAP A MINIMUM OF 40 BARdiaS. ALL SPLICES SHALL BE MADE IN A COMPRESSION ZONE UNLESS NOTED. ALL CONTINUOUS REINFORCING SHALL TERMINATE WITH A 90 DEG. BEND OR WITH SEPARATE

#### **FOUNDATION WALLS**

- 15. SEE FOUNDATION WALL SCHEDULE, OR FOUNDATION PLAN, FOR SPECIFICATION OF FOUNDATION WALL REINFORCEMENT.
- 16. FOUNDATION WALLS HAVE BEEN DESIGNED USING AN EQUIVALENT FLUID PRESSURE. SEE STRUCTURAL PLANS AND CALCULATIONS FOR ACTUAL FLUID PRESSURE USED.
- 17. BACKFILL ADJACENT TO FOUNDATION WALLS OR IN LANDSCAPED AREAS SHALL BE PLACED IN LOOSE LIFTS A MAXIMUM OF EIGHT INCHES (8"). FILL SHALL HAVE A MOISTURE CONTENT WITHIN 2% OF OPTIMUM AND SHALL BE COMPACTED TO AT LEAST 90% MAXIMUM DENSITY (ASTM D 1557). HEAVY EQUIPMENT SHALL NOT BE USED TO BACKFILL WITHOUT PRIOR CONSENT OF THE ENGINEER.
- 18. THE CONTRACTOR SHALL COORDINATE STEPS IN WALLS WITH THE ARCHITECT, AND SHALL VERIFY WITH THE ENGINEER.

#### **FOOTINGS**

- 19. SEE FOOTING SCHEDULE FOR FOOTING SIZES AND REINFORCING REQUIREMENTS.
- 20. FOOTINGS HAVE BEEN DESIGNED USING AN ALLOWABLE BEARING PRESSURE. SEE STRUCTURAL PLANS AND CALCULATIONS FOR ACTUAL BEARING PRESSURE USED.
- 21. ALL EXTERIOR FOOTINGS SHALL BEAR BELOW FROST DEPTH. CONTRACTOR TO VERIFY.
- 22. THE CONTRACTOR SHALL COORDINATE STEPS IN FOOTINGS WITH THE ARCHITECT, AND SHALL VERIFY WITH THE ENGINEER.

#### **GENERAL STEEL NOTES**

- 1. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.
- 2. ALL WORK TO BE IN STRICT ACCORDANCE WITH THE 2015 IBC, AISC, AND LOCAL ORDINANCES.
- 3. ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO FABRICATION AND ERECTION.
- 4. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- 5. SEE ARCHITECTURAL SHEETS FOR DECK BEARING ELEVATIONS. STRUCTURAL STEEL DETAILER SHALL DETERMINE ALL BEARING PLATE ELEVATIONS FROM ARCHITECTURAL DECK
- 6. SEE ARCHITECTURAL SHEETS FOR ADDITIONAL DIMENSIONS.
- 7 SEE ARCHITECTURAL FOR ACCESS HATCHES, DRAFT STOPS, ETC.
- 8. SUBMIT SHOP DRAWINGS OF ALL STRUCTURAL STEEL, STEEL JOISTS, STEEL DECKING & MISCELLANEOUS STEEL TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
- 9. SEE FRAMING PLANS FOR ADDITIONAL NOTES AND REQUIREMENTS.

#### STRUCTURAL STEEL

- 10. ALL WIDE FLANGE MEMBERS TO BE MANUFACTURED UNDER ASTM A992.
- 11. ALL STRUCTURAL PLATES, CHANNELS & ANGLES TO BE MANUFACTURED UNDER ASTM A36
- 12. ALL HSS MEMBERS TO BE MANUFACTURED UNDER ASTM A500 GRADE B. 13. ALL PIPE COLUMNS TO BE MANUFACTURED UNDER ASTM A53 GRADE B.
- 14. ALL BOLTS FOR STEEL TO STEEL CONNECTIONS TO BE 3/4" DIA. MIN. A325-N HIGH STRENGTH BOLTS, UNLESS NOTED OTHERWISE. BOLTS EMBEDDED IN CONCRETE OR MASONRY SHALL BE F1554 GRADE 36 UNLESS NOTED OTHERWISE.
- 15. ALL JOIST WELDS TO BE E7024. ALL DECK WELDS TO BE E6022. ALL WELDS FOR SEISMIC SPECIFIC CONNECTIONS TO BE E7018. ALL OTHER WELDS TO BE 70 KSI MIN. ALL WELDS SHALL BE BY A CERTIFIED WELDER.
- 16. ALL WELDS AND BOLTING TO MEET APPROVAL OF SPECIAL INSPECTOR AS REQUIRED BY BUILDING OFFICIAL.
- 17. ALL STEEL SHALL BE PROPERLY PRIMED EXCEPT AREAS THAT REQUIRE FIELD WELDING (i.e. TOP OF BEAMS).
- 18. ALL STEEL BEAMS USED AS GIRDERS SHALL HAVE WEB STIFFENERS EACH SIDE OF WEB AT BEARING ENDS AND AT CONCENTRATED LOADS. STIFFENER TO BE SAME THICKNESS AS WEB OF BEAM-TYPICAL. STEEL BEAMS USED AS JOISTS DO NOT REQUIRE WEB STIFFENERS.
- 19. SEE ARCHITECTURAL, MECHANICAL & ELECTRICAL FOR ADDITIONAL STEEL MEMBERS (BRACKETS, ANGLES, ETC...) REQUIRED.
- 20. STEEL MEMBERS SHALL NOT BE CUT, DRILLED OR TORCHED FOR PIPES, ETC. UNLESS SPECIFICALLY DETAILED.
- 21. ANY MODIFICATION OF STRUCTURAL MEMBERS NOT SPECIFICALLY DETAILED ON THE STRUCTURAL PLANS IS NOT PERMITTED WITHOUT PRIOR APPROVAL.
- 22. ANY CONNECTIONS NOT DETAILED ON STRUCTURAL PLANS SHALL BE PROVIDED BY THE STEEL DETAILER. SHOP DRAWINGS FOR ALL FABRICATED STEEL CONNECTIONS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO FABRICATION AND INSTALLATION

#### **GENERAL WOOD FRAMING NOTES**

- 1. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.
- 2. ALL WORK TO BE IN STRICT ACCORDANCE WITH THE 2015 IBC, NDS, AND LOCAL ORDINANCES.

#### **DIMENSIONAL LUMBER**

- DIMENSIONAL LUMBER USED AS STRUCTURAL FRAMING (i.e. JOISTS, RAFTERS, HEADERS) SHALL BE DOUGLAS FIR-LARCH № 2 OR EQUAL.
- 4. DIMENSIONAL LUMBER USED FOR STUD WALLS SHALL BE STUD GRADE UNLESS NOTED OTHERWISE. STUDS SHALL BE SPACED AT 16" O.C. MINIMUM, WITH A DOUBLE TOP PLATE. SPLICES IN THE DOUBLE TOP PLATE SHALL ALTERNATE TOP & BOTTOM AND SHALL LAP 48" MIN.
- 5. ROUGH CUT TIMBER USED AS STRUCTURAL FRAMING SHALL BE AS SPECIFIED IN THE CONSTRUCTION DOCUMENTS. **ENGINEERED LUMBER**
- 6. GLU-LAMINATED BEAMS FOR SIMPLE SPANS SHALL BE 24F-V4 DF/DF. GLU-LAMINATED BEAMS FOR CONTINUOUS SPANS AND CANTILEVERS SHALL BE 24F-V8 DF/DF. DO NOT INSTALL GLU-LAMINATED BEAMS UPSIDE DOWN.
- 7. LAMINATED VENEER LUMBER AND THE LIKE SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS AND SPECIFICATIONS. LVL BEAMS SHALL BE BUILT UP w/ 1 3/4" MEMBERS. SEE FRAMING PLANS FOR NUMBER OF MEMBERS REQUIRED.
- 8. I-JOISTS SHALL BE TJI OR EQUIVALENT, AND SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS AND SPECIFICATIONS.
- 9. ENGINEERED LUMBER, WITH THE EXCEPTION OF EXTERIOR GRADE GLU-LAMINATED LUMBER, SHALL NOT BE USED IN EXTERIOR APPLICATIONS.
- 10. USE PRESSURE TREATED LUMBER FOR ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY IN CONTACT WITH EARTH (i.e. MUD SILL). IN SOME SITUATIONS, 26 GAUGE GALVANIZED SHEET METAL MAY BE PROVIDED AS AN APPROVED MOISTURE BARRIER. SEE ENGINEER FOR APPROVAL OF THIS OPTION.

#### **BLOCKING, BRIDGING & MISCELLANEOUS**

- 11. DIMENSIONAL JOISTS AND RAFTERS SHALL HAVE FULL-HEIGHT SOLID BLOCKING AT THEIR BEARING POINTS. EACH RAFTER AND/OR ROOF TRUSS SHALL BE ANCHORED WITH SIMPSON H1 ANCHORS AT EACH END.
- 12. I-JOISTS AND RAFTERS SHALL HAVE FULL-HEIGHT SOLID BLOCKING AT THEIR BEARING POINTS. CONNECT EACH BLOCK TO TOP OF EXTERIOR WALLS WITH SIMPSON A34 CLIPS EACH JOIST OR RAFTER SHALL BE ANCHORED WITH SIMPSON H2.5 ANCHORS AT EACH END.
- 13. WOOD MEMBERS SHALL NOT BE CUT FOR PIPES, ETC. UNLESS SPECIFICALLY DETAILED
- 14. BIRDS MOUTHS AND/OR NOTCHING OF STRUCTURAL MEMBERS NOT SPECIFICALLY DETAILED ON THE STRUCTURAL PLANS IS NOT PERMITTED WITHOUT PRIOR APPROVAL. **COLUMNS & STUDS**
- 15. ALL COLUMNS SHALL EXTEND DOWN THROUGH THE STRUCTURE TO THE FOUNDATION. COLUMNS SHALL BE BRACED AT EACH FLOOR LEVEL. COLUMNS SHALL BE AS WIDE AND DEEP AS THE MEMBER THEY SUPPORT IN ORDER TO PROVIDE FULL BEARING.
- 16. STAND ALONE POSTS SHALL BE DOUGLAS FIR-LARCH № 1OR EQUAL.
- 17. ALL EXTERIOR WALLS SHALL BE 2 x 6's AT 16" O.C.
- 18. ALL INTERIOR BEARING WALLS SHALL BE 2 x 6'S AT 16" O.C. UNLESS NOTED OTHER-WISE ON

#### FLOOR, ROOF & WALL SHEATHING

- 19. ALL ROOF SHEATHING SHALL BE 5/8" APA EXP. 1 RATED SHEATHING OR EQUAL WITH 10d COMMON NAILS AT 6" O.C. PERIMETER, 6" O.C. PANEL EDGES AND AT 12" O.C. IN THE FIELD. PANEL EDGES ARE UNBLOCKED UNLESS NOTED OTHERWISE ON THE STRUCTURAL PLANS.
- 20. ALL FLOOR SHEATHING TO BE 3/4" THICK T&G SHEATHING GLUED AND NAILED WITH 10d COMMON NAILS OR EQUAL AT 6" O.C. PERIMETER, 6" O.C. PANEL EDGES AND AT 10" O.C. IN THE FIELD. PANEL EDGES ARE UNBLOCKED UNLESS NOTED OTHERWISE ON THE STRUCTURAL PLANS.
- 21. ALL EXTERIOR WALLS SHALL BE SHEATHED WITH 7/16" APA EXP. 1 RATED SHEATHING OR EQUAL WITH 8d COMMON NAILS AT 6" O.C. EDGES AND AT 12" O.C. IN THE FIELD - FLAT BLOCKED AT ALL PANEL EDGES. UNLESS NOTED OTHERWISE IN SHEAR WALL SCHEDULE.

## STRUCTURAL CONNECTIONS

- 22. THE CONTRACTOR IS ULTIMATELY RESPONSIBLE TO PROVIDE ADEQUATE STRUCTURAL CONNECTIONS. CONNECTIONS MUST CARRY THE BEARING CAPACITY OF THE MEMBER AND ANY UPLIFT OR SEISMIC FORCES GENERATED IN THE MEMBER. SPECIAL CONSIDERATION SHALL BE GIVEN TO PREVENT CRUSHING OF THE MEMBER AT BEARING, SPLITTING AND/OR CRACKING OF THE WOOD, AND THE LIKE.
- 23. THE CONTRACTOR SHALL STRICTLY ADHERE TO THE CONNECTION DETAILS SPECIFIED ON THE PLANS OR INCLUDED WITH THE CONSTRUCTION DOCUMENTS. PRIOR APPROVAL IS REQUIRED FOR ANY DEVIATION FROM THE CONSTRUCTION DOCUMENTS.
- 24. SUBSTITUTION OF CONNECTIONS OTHER THAN THOSE SPECIFIED ON THE PLANS REQUIRES PRIOR APPROVAL. THE ENGINEER IS NOT RESPONSIBLE FOR CONNECTIONS NOT APPROVED PRIOR TO CONSTRUCTION OR INSTALLATION
- 25. IF CONNECTION DETAILS, APPROVED BY THE ENGINEER, HAVE NOT BEEN PROVIDED IN THE CONSTRUCTION DOCUMENTS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO SPECIFY AND PROVIDE ALL STRUCTURAL CONNECTIONS. IF OTHER THAN STANDARD CONNECTIONS ARE REQUIRED, SEE ENGINEER FOR ADDITIONAL ASSISTANCE.
- 26. USE SIMPSON CONNECTIONS OR EQUIVALENT. INSTALL PER MANUFACTURERS SPECIFICATIONS.
- 27. SHOP DRAWINGS FOR ALL FABRICATED STEEL CONNECTIONS SHALL BE SUBMITTED FOR REVIEW & APPROVAL PRIOR TO FABRICATION AND INSTALLATION. SEE GENERAL STEEL
- 28. SEE GENERAL CONCRETE NOTES FOR SPECIFICATION OF ANCHOR BOLTS, ETC. IN NO CASE SHALL THE MUD SILL BE NOTCHED FOR THE INSTALLATION OF PLATE WASHERS, OR FOR
- 29. ALL STRUCTURAL MEMBERS SHALL HAVE 1 3/4" MINIMUM BEARING.
- 30. FOR ADDITIONAL NAILING PATTERN, SEE SCHEDULES IN THE INTERNATIONAL BUILDING

### **STAIR FRAMING**

31. STAIR STRINGERS SHALL BE 11 7/8" LVL's AT 16" O.C. (MAX.) w/ A MAXIMUM HORIZONTAL RUN OF 12'-0". USE 14" LVL UP TO 16'-0" RUN

#### **GENERAL WOOD TRUSS NOTES**

- SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.
- THE TRUSSES SHALL ALSO BE DESIGNED PER THE 2015 INTERNATIONAL BUILDING CODE, AND LOCAL ORDINANCES. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE DESIGN AND FABRICATION OF THE PRE-ENGINEERED TRUSSES, PER THE DESIGN CRITERIA ABOVE. DESIGN MUST TAKE INTO ACCOUNT UNBALANCED SNOW LOADS, SNOW DRIFTING, INCREASED SNOW LOADS ON EAVES AND IN VALLEYS, IMPACT LOADS FROM FALLING SNOW AND ICE, ETC.
- THE PROJECT ENGINEER, OR ENGINEER OF RECORD, IS NOT RESPONSIBLE FOR THE DESIGN OF THE PRE-ENGINEERED TRUSSES, NOR FOR THE INSTALLATION, ETC. OF THE TRUSSES. TRUSS DESIGN DRAWINGS FOR ALL WOOD TRUSSES SHALL BE SUBMITTED TO THE ENGINEER AND ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO FABRICATION AND INSTALLATION.
- . THE TRUSS DESIGN DRAWINGS NEED TO INCLUDE ALL SPECIFIC REQUIREMENTS DESCRIBED IN INTERNATIONAL BUILDING CODE. AS REQUIRED IN ABOVE MENTIONED CODE A LICENSED DESIGN PROFESSIONAL LICENSED IN JURISDICTION WHERE PROJECT IS LOCATED WILL NEED TO STAMP TRUSS DESIGN DRAWINGS. THE DESIGN PROFESSIONAL CANNOT BE THE ENGINEER OF RECORD FOR THE PROJECT AND NEEDS EXPERIENCE DESIGNING PRESS PLATE WOOD TRUSSES.
- ALL TRUSS TO TRUSS AND TRUSS TO STRUCTURAL BEAM CONNECTORS SHALL BE SPECIFIED BY THE TRUSS MANUFACTURER, AND CALLED OUT AT THE PROPER LOCATION ON TRUSS PLACEMENT DIAGRAM.
- 5. THE TRUSSES SHALL BE DESIGNED TO CARRY ANY ADDITIONAL LOADS DUE TO MECHANICAL UNITS, OVERHEAD DOORS, ROOF OVERBUILDS, ETC. SEE STRUCTURAL PLANS FOR ADDITIONAL REQUIREMENTS.
- 7. ALL MEMBERS SHALL BE DESIGNED FOR COMBINED STRESSES, BASED ON THE WORST LOADING CONDITION.
- B. BOTTOM CHORDS OF TRUSSES, ACTING AS CEILING MEMBERS, MUST BE ABLE TO SUPPORT A 10 PSF LIVE LOAD PER IBC REQUIREMENTS.
- EACH CHORD SECTION SHALL BE ENGAGED IN TWO PANEL POINTS BEFORE BEING SPLICED. SPLICE NEEDS TO OCCUR AT PANEL POINT, OR ZERO FORCE LOCATION.

#### 10. PROVIDE 1/8" CAMBER FOR EACH 6 FEET OF TRUSS UNLESS OTHERWISE INDICATED.

#### TRUSS BRACING & BLOCKING

- 11. THE TRUSS MANUFACTURER SHALL SPECIFY PROPER BRACING OF COMPRESSION CHORD MEMBERS 6'-0" LONG (OR LONGER), AS WELL AS BRACING REQUIRED FOR TRUSS ERECTION, AND ANY OTHER BRACING.
- 12. THE TRUSS MANUFACTURER SHALL SPECIFY ALL REQUIRED TRUSS BLOCKING. TRUSS BLOCKING SHALL BE DESIGNED FOR LATERAL LOADINGS.

#### **FABRICATION & INSTALLATION**

- 13. ALL DIMENSIONS SHALL BE FIELD VERIFIED PRIOR TO FABRICATION.
- 14. FABRICATE TRUSSES FROM SHOP DRAWINGS REVIEWED AND APPROVED BY THE ENGINEER AND ARCHITECT.
- 15. FABRICATE TRUSSES IN JIGS WITH MEMBERS ACCURATELY CUT TO PROVIDE GOOD BEARING AT JOINTS. JOINTS SHALL BE ACCEPTABLE IF THE AVERAGE OPENING BETWEEN ENDS OF MEMBERS IMMEDIATELY AFTER FABRICATION IS LESS THAN 1/16", EXCEPT THAT TRUSS COMPRESSION CHORD JOINTS AT SPLICES AND RIDGES SHALL HAVE FULL CONTACT BETWEEN MEMBERS.
- 16 TRUSS FABRICATORS USING METAL PLATES SHALL HAVE PLANT INSPECTED FOUR TIMES PER YEAR BY AN INDEPENDENT TESTING LABORATORY IN ACCORDANCE WITH TPI REGULATIONS AND COPIES OF INSPECTIONS MADE AVAILABLE TO OWNER UPON REQUEST.
- 17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF THE TRUSSES PER THE TRUSS MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS. NO WEB OR CHORD MEMBERS SHALL BE MODIFIED IN THE FIELD.

## METAL GUSSET PLATES

- 18. GUSSET PLATES SHALL BE SPECIFIED FOR GREATER OF EITHER THE MEMBER FORCES SHOWN ON DRAWINGS OR THE MEMBER FORCES DERIVED FROM STRUCTURAL ANALYSIS. PLUS OR MINUS 6%.
- 19. NO PANEL POINT SHALL HAVE MORE THAN ONE PLATE PER TRUSS SIDE.
- 20. PRESS PLATES INTO MEMBERS TO OBTAIN FULL PENETRATION WITHOUT CRUSHING OUT SURFACE OF WOOD. PLATE EMBEDMENT IS ACCEPTABLE IF OPENING BETWEEN PLATE AND WOOD SURFACE IS LESS THAN 1/32".
- 21. LUMBER DEFECTS AND PLATE MISPLACEMENT, IN COMBINATION, SHALL NOT REDUCE PLATE

AREA OR NUMBER OF AFFECTIVE TEETH, PRONGS, OR NAILS BY MORE THAN 10%.

ALLOWABLE STRESS DESIGN (ASD) FORMAT w/ NO LOAD FACTORS INCLUDED.

- 22. DO NOT APPLY METAL GUSSET PLATES AFTER SHOP FABRICATION.
- 24. WHEN TRUSSES ARE CALLED OUT AS LATERAL DRAG STRUTS. THE PHYSICAL TRUSS DESIGNATED AS SUCH NEEDS TO BE PHYSICALLY AND PERMANENTLY MARKED DIFFERENT

23. ALL LOADS SPECIFICALLY CALLED OUT ON PLANS TO BE USED IN DESIGNING TRUSSES, ARE

## DESIGN LOADS FOR ROOF TRUSSES:

FROM NORMAL TRUSSES.

TOP CHORD LIVE LOAD = 192 PSF TOP CHORD DEAD LOAD = 10 PSF BOT CHORD LIVE LOAD = 0 PSF

BOT CHORD DEAD LOAD = 5 PSF

TOTAL DESIGN LOAD = 207 PSF DEFLECTION CRITERIA ROOF TRUSSES:

TOTAL LOAD DEFLECTION = L/240

# **DESIGN CRITERIA**

SNOW LOAD. SEISMIC DESIGN CATEGORY. RISK CATEGORY 3 SECOND GUST WIND SPEED. . 115 MPH EXPOSURE. ALLOWABLE SOIL BEARING . . 1.500 PSF

## **DESIGN LOADS**

SOIL SITE CLASS . .

**ROOF LIVE LOAD** ROOF DEAD LOAD. . 15 PSF FLOOR LIVE LOAD. . 40 PSF FLOOR DEAD LOAD.

# **DESIGN CODE**

2015 INTERNATIONAL BUILDING CODE (IBC)

.50 PSF



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ESIGNED BY: J.D.A CHECKED BY: J.D.A.

DATE: JULY 21, 2017

JOB No. 17-088 **GENERAL** STRUCTURAL

NOTES

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## SPECIAL INSPECTION SCHEDULE

		SOILS	(IBC 170	5.6)
REQ'D	TASK	INSPECTION	FREQUENCY	COMMENTS:
TILQD	TASK	CONT.	PERIODIC	COMMUNICIATS.
X	VERIFY ADEQUATE MATERIALS BELOW FOOTINGS		<b>♦</b>	PRIOR TO PLACEMENT OF CONCRETE.
X	EXCAVATION EXTEND TO PROPER DEPTH AND MATERIALS		<b>♦</b>	PRIOR TO PLACEMENT OF COMPACTED FILL OR CONCRETE.
X	CLASSIFICATION AND TESTING OF FILL MATERIALS		<b>♦</b>	CHECK CLASSIFICATION AND GRADATIONS AT EACH LIFT, BUT NOT LESS THAN ONCE FOR EACH 10,000 FT <sup>2</sup> OF SURFACE AREA.
X	VERIFY PROPER FILL MATERIALS, LIFT THICKNESSES AND IN-PLACE DENSITIES	<b>♦</b>		
X	VERIFY PROPERLY PREPARED SITE AND SUBGRADE		<b>♦</b>	PRIOR TO PLACEMENT OF CONCRETE.

	CONCRETE	CONS	TRUCT	I O N (IBC 1705.3)
REQ'D	REQ'D TASK		FREQUENCY PERIODIC	COMMENTS:
X	REINFORCING STEEL PLACEMENT		<b>♦</b>	VERIFY SIZE, CLEARANCES, SPLICES AND PROPER TIES.
X	REINFORCING BAR WELDING a. WELDABILTY OF NON ASTM A706 BARS b. SINGLE PASS FILLED WELDS $< \frac{5}{16}$ " c. ALL OTHER WELDS	<b>\$</b>	<b>\$</b>	
X	CAST IN ANCHORS		$\Diamond$	VERIFY MIX DESIGN MEETS STRENGTH AND EXPOSURE REQUIREMENTS LISTED ON APPROVED PLANS.
X	POST-INSTALLED ANCHORS  a. ADHESIVE ANCHORS INSTALLED HORIZONTALLY OR UPWARDLY INCLINED RESISTING SUSTAINED TENSION LOADS b. POST INSTALLED ANCHORS NOT DEFINED IN a.	<b>♦</b>	<b>♦</b>	IN ACCORDANCE WITH APPROVED ICC-ES REPORT. PERIODIC INSPECTIONS ALLOWED IF STATED IN ES REPORT.
X	VERIFY REQUIRED DESIGN MIX		<b>♦</b>	VERIFY MIX DESIGN MEETS STRENGTH AND EXPOSURE REQUIREMENTS LISTED ON APPROVED PLANS.
X	SLUMP, AIR + TEMPERATURE TESTS. PREPARE STRENGTH TEST SAMPLES	<b>♦</b>		
X	CONCRETE PLACEMENT	<b>\Q</b>		INCLUDES SAMPLING FOR AIR, SLUMP, STRENGTH AND TEMPERATURE TECHNIQUES.
X	CURING TEMPERATURE MAINTENANCE		<b>♦</b>	
	PRESTRESSED CONCRETE  a. PRESTRESSING FORCES b. GROUTING OF BONDED TENDONDS	<b>\$</b>		
	ERECTION OF PRECAST MEMBERS		<b>♦</b>	
	POST-TENSIONED CONCRETE STRENGTH		<b>♦</b>	
X	INSPECT FORMWORK		<b>♦</b>	

	COLD-FORMED STEEL	CONS	TRUC	TION (IBC 1705.11.2 & 1705.12.3)
REQ'D	TASK	INSPECTION FREQUENCY		COMMENTS:
nEQ D	IASK	CONT.	PERIODIC	COMMENTS.
	COMPONENTS OF WIND AND SEISMIC-FORCE RESISTING SYSTEMS		<b>♦</b>	VERIFY PROPER SCREW ATTACHMENT, BOLTING AND ANCHORING OF SHEAR WALLS, BRACES AND HOLDOWNS HAVING A FASTENER SPACING $\leq$ 4" O.C.
	FIELD WELDING OF ELEMENTS OF MAIN LATERAL FORCE RESISTING SYSTEM.		<b>♦</b>	

	OTHER THAN S	TRUCT	URAL	STEEL (IBC 1705.2.2)		
REQ'D	TASK	INSPECTION FREQUENCY CONT. PERIODIC		COMMENTS:		
	STEEL ROOF & FLOOR DECK:	-				
	MATERIAL VERIFICATION OF STEEL DECK		<b>♦</b>	IDENTIFICATION MARKINGS PER APPLICABLE ASTM STANDARD		
	ROOF AND DECK WELDS		<b>♦</b>	VERIFY THAT WELDS CONFORM TO AWS D1.3.		
WELDING OF REINFORCING STEEL:						
	VERIFICATION OF WELDABILITY (EXCEPT A706 BAR)		<b>♦</b>	VERIFY MATERIAL IS ABLE TO CONFORM TO AWS D1.4.		

	INSTALLATION OF OPEN-WEB STEEL JOISTS AND GIRDERS (IBC 1705.2.3)								
REQ'D	TASK	INSPECTION FREQUENCY		COMMENTS:					
neQ D	IASK	CONT.	PERIODIC	COMMENTS.					
	END CONNECTIONS		<b>♦</b>	SJI 2207.1					
	BRIDGING - HORIZONTAL OR DIAGONAL a. STANDARD BRIDGING b. NON-STANDARD BRIDGING		<b>\$</b>	SJI 2207.1					

DECIE		INSPECTION	N FREQUENCY	20111-1-1-2
REQ'D	TASK -	CONT.	PERIODIC	COMMENTS:
	MINIMUM TESTING (TABLE 1.19.2, TMS - 402/ACI 530-11):		•	
	VERIFICATION OF SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) FOR SELF-CONSOLIDATING GROUT.		<b>\Q</b>	COMPRESSIVE STRENGTH TESTS PER ASTM C 1019 FOR SLUMP FLOW AND ASTM C 1611 FOR VSI.
	VERIFICATION OF F' <sub>M</sub> .		<b>\Q</b>	DETERMINE COMPRESSIVE STRENGTH PER "UNIT STRENGTH" OR "PRISM TEST AS SPECIFIED IN ARTICLE 1.4.B OF ACI 530.1 PRIOR TO CONSTRUCTION.
	PRIOR TO CONSTRUCTION (ARTICLE 1.15, TMS-602/ACI 5			
	REVIEW MATERIAL CERTIFICATES, MIX DESIGNS, TEST RESULTS AND CONSTRUCTION PROCEDURES	,	<b>\Q</b>	VERIFY MATERIALS CONFORM TO APPROVED CONSTRUCTION DOCUMENTS. MIX DESIGN, TEST RESULTS, MATERIAL CERTIFICATES, AND CONSTRUCTION PROCEDURES SHOULD BE SUBMITTED FOR REVIEW. MORTAR MIX DESIGNS SHALL CONFORM TO ASTM C 270 WHILE GROUT SHALL CONFORM TO ASTM C 476. MATERIAL CERTIFICATES SHALL BE PROVIDED FOR THE FOLLOWING: REINFORCEMENT; ANCHORS, TIES, FASTENERS, AND METAL ACCESSORIES; MASONRY UNITS; MORTAR AND GROUT MATERIALS. REVIEW COLD-WEATHER OR HOT-WEATHER CONSTRUCTION PROCEDURES.
	AS CONSTRUCTION BEGINS (TABLE 1.19.2, TMS-402/ACI	530-11):		
	PROPORTIONS OF SITE-PREPARED MORTAR		<b>♦</b>	VERIFY THAT MORTAR IS TYPE AND COLOR SPECIFIED ON APPROVED PLANS, CONFORMS TO ASTM C 270, AND IS MIXED PER ARTICLE 2.6.A OF ACI 530.1.
	CONSTRUCTION OF MORTAR JOINTS		<b>♦</b>	VERIFY MORTAR JOINTS MEET ARTICLE 3.3.B OF ACI 530.1.1
	GRADE AND SIZE OF PRE-STRESSING TENDONS AND ANCHORAGES		<b>\Q</b>	VERIFY THAT PRE-STRESSING TENDONS CONFORM TO REQUIREMENTS OF ARTICLE 2.4B AND 2.4H OF ACI530.1
	LOCATION OF REINFORCEMENT, CONNECTORS AND ANCHORAGES.		<b>\Q</b>	VERIFY REINFORCEMENT IS PLACED IN ACCORDANCE WITH ARTICLE 3.4 OF 530.1.
	PRE-STRESSING TECHNIQUE		<b>\Q</b>	VERIFY PRE-STRESSING TECHNIQUE CONFORMS TO ARTICLE 3.6B OR ACI 530.1
	PROPERTIES OF THIN BED MORTAR FOR AAC MASONRY	$\Diamond$	<b>♦</b>	VERIFY REINFORCEMENT IS PLACED IN ACCORDANCE WITH ARTICLE 3.4 OF 530.1.
	PRIOR TO GROUTING (TABLE 1.19.2, TMS-402/ACI 530-11)	):		<u>I</u>
	GROUT SPACE	<u> </u>		VERIFY GROUT SPACE IS FREE OF MORTAR DROPPINGS, DEBRIS, LOOSE
			<b>♦</b>	AGGREGATE, AND OTHER DELETERIOUS MATERIALS AND THAT CLEANOUTS ARE PROVIDED PER ARTICLE 3.2D AND 3.2F OF ACI 530.1
	GRADE, TYPE AND SIZE OF REINFORCEMENT, ANCHOR BOLTS AND ANCHORAGES.		<b>♦</b>	VERIFY REINFORCEMENT, JOINT REINFORCEMENT, ANCHOR BOLTS AND VENEER ANCHORS COMPLY WITH APPROVED PLANS AND SECTIONS 1.6 OF ACI 530.
	PLACEMENT OF REINFORCEMENT, CONNECTORS AND ANCHORAGES.		<b>♦</b>	VERIFY REINFORCEMENT, JOINT REINFORCEMENT, ANCHOR BOLTS AND VENEER ANCHORS ARE INSTALLED PER APPROVED PLANS AND ARTICLES 3.2 3.4, AND 3.6.A OF ACI 530.1.
	PROPORTIONS OF SITE-PREPARED GROUT.		<b>♦</b>	VERIFY GROUT PROPORTIONS MEET ASTM C 476 AND A SLUMP BETWEEN 8-1 INCHES. SELF-CONSOLIDATED GROUT SHALL NOT BE PROPORTIONED ONSIT
	CONSTRUCTION OF MORTAR JOINTS		<b>♦</b>	VERIFY MORTAR JOINTS PLACED IN ACCORDANCE WITH ARTICLE 3.3.B OF AC 530.1.
	DURING CONSTRUCTION (TABLE 1.19.2, TMS-402/ACI 530	D-11):	·	
	SIZE AND LOCATION OF STRUCTURAL ELEMENTS		<b>♦</b>	VERIFY LOCATIONS OF STRUCTURAL ELEMENTS PER APPROVED PLANS AND CONFIRM TOLERANCES MEET ARTICLE 3.3.F OF ACI 530.1.
	TYPE, SIZE AND LOCATION OF ANCHORS, FRAMES, ETC.		<b>\Q</b>	VERIFY CORRECT ANCHORAGES AND CONNECTIONS ARE PROVIDED PER APPROVED PLANS AND SECTIONS 1.16.4.3 AND 1.17.1 OF ACI 530.
	WELDING OF REINFORCEMENT	$\Diamond$		VERIFY CONFORMANCE WITH SECTIONS 2.1.7.7.2, 3.3.3.4 (c) AND 8.3.3.4 (b) OF ACI 530
	APPLICATION AND MEASUREMENT OF PRE-STRESSING FORCE	$\Diamond$		VERIFY CONFORMANCE WITH ARTICLE 3.6B OF ACI 530.1
	PLACEMENT OF GROUT	<b>♦</b>		
	PREPARATION, CONSTRUCTION AND PROTECTION OF MASONRY DURING COLD WEATHER (<40°F) OR HOT WEATHER (>90°F).		<b>♦</b>	VERIFY COLD-WEATHER CONSTRUCTION COMPLIES WITH ARTICLE 1.8.C OF A 530.1 AND HOT WEATHER CONSTRUCTION PER ARTICLE 1.8.D OF ACI 530.1.
	PLACEMENT OF GROUT AND PRE-STRESSING GROUT FOR BONDED TENDONS	$\Diamond$		VERIFY COMPLIANCE WITH ARTICLE 3.5, 3.6C OF ACI 530.1
	ı		<u>'</u>	l e e e e e e e e e e e e e e e e e e e
	OBSERVATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND / OR PRISMS.			CONFIRM SPECIMENS/ PRISMS ARE PERFORMED AS REQUIRED BY ARTICLE 1. OF ACI 530.1.

WOOD	CONSTRUCTION	(IBC 1705.11.2)

REQ'D	TASK	INSPECTION FREQUENCY		COMMENTS:
NEQU	IASK	CONT.	PERIODIC	COMMENTS.
X	COMPONENTS OF WIND AND SEISMIC-FORCE RESISTING SYSTEMS		<b>♦</b>	VERIFY PROPER SCREW ATTACHMENT, BOLTING AND ANCHORING OF SHEAR WALLS, BRACES AND HOLDOWNS HAVING A FASTENER SPACING $\leq$ 4" O.C.
	FIELD GLUING OF MAIN LATERAL FORCE RESISTING SYSTEM	<b>♦</b>		

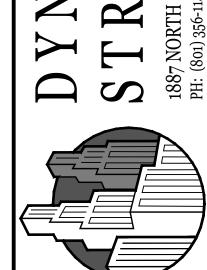
## STATEMENT OF SPECIAL INSPECTIONS

- 1. THE PROJECT OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED BELOW. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION. THESE INSPECTIONS ARE IN ADDITION TO THE INSPECTIONS REQUIRED BY THE BUILDING DEPARTMENT OF THE LOCAL JURISDICTION.
- 2. SPECIAL INSPECTORS SHALL KEEP RECORDS OF INSPECTIONS. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS DONE IN CONFORMANCE WITH APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALE BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO THE COMPLETION OF THAT A PHASE OF THE WORK. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED AT A POINT IN TIME AGREED UPON BY THE PERMIT APPLICANT AND THE BUILDING OFFICIAL PRIOR TO THE START OF WORK.
- 3. SPECIAL INSPECTIONS FOR EACH TASK SHALL BE CARRIED OUT IN COMPLIANCE WITH REQUIREMENTS PER THE CURRENT IBC AND OTHER MATERIAL STANDARDS.

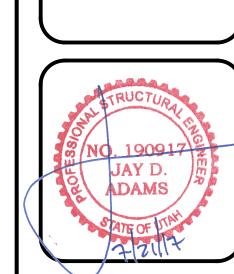
#### FABRICATION SHOP REQUIREMENTS

4. WHERE FABRICATION OF STRUCTURAL LOAD BEARING MEMBERS AND ASSEMBLIES IS BEING PERFORMED ON THE PREMISES OF A FABRICATORS SHOP, SPECIAL INSPECTIONS REQUIRED BELOW SHALL BE PROVIDED IN THE SHOP DURING THE FABRICATION PROCESS. THIS REQUIREMENT MAY BE EXCEPTED IF THE WORK IS DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION. A CERTIFICATE SHALL BE REQUIRED TO VERIFY SUCH APPROVAL. AT COMPLETION OF THE FABRICATION, THE APPROVED FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE BUILDING OFFICIAL STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DRAWINGS.





Structural Plans for:
POWDER MOUNTAIN CABIN 1000



DESIGNED BY: J.D.A
CHECKED BY: J.D.A
SCALE:

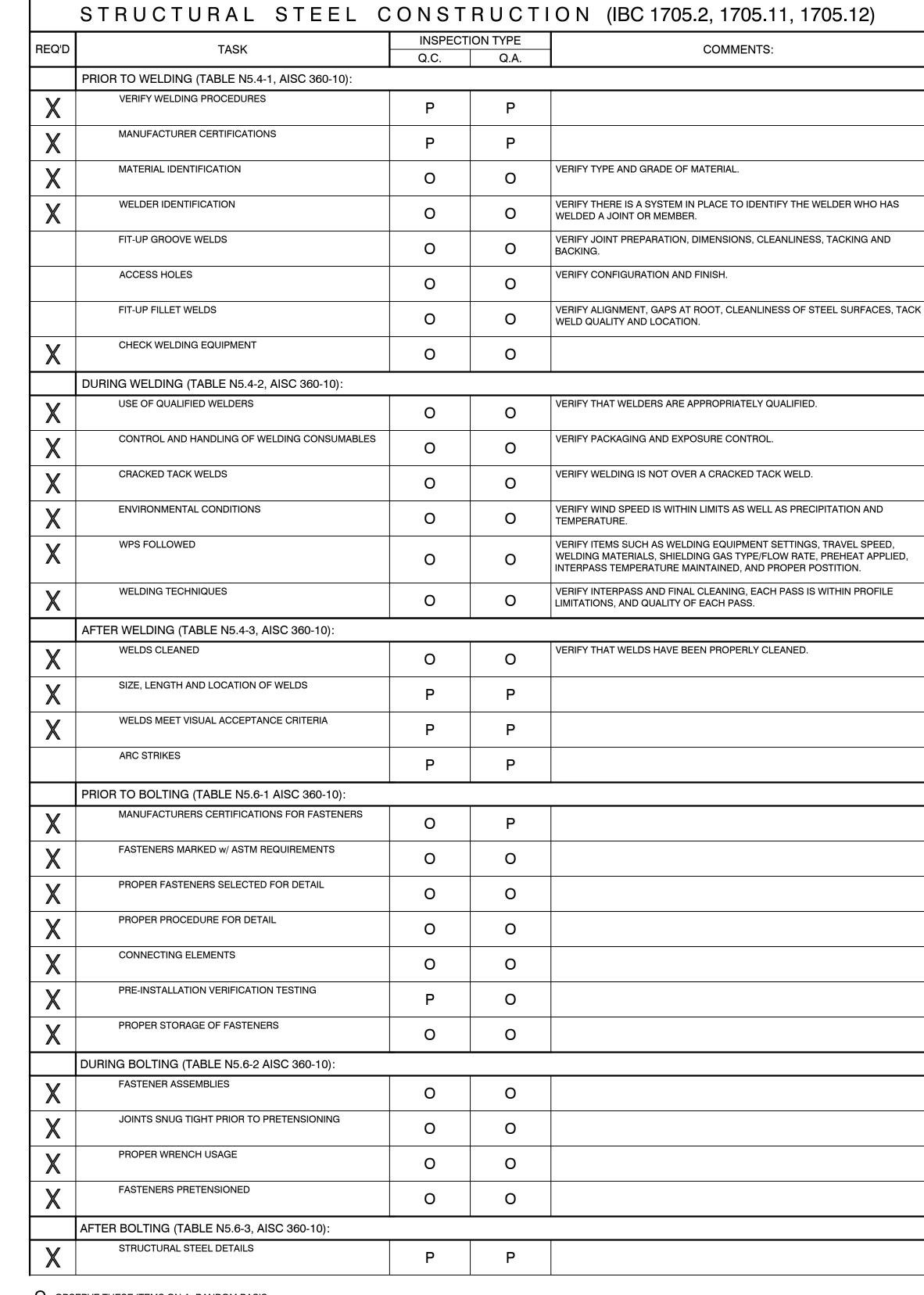
DATE: JULY 21, 2017

JOB No. 17-088

SPECIAL INSPECTIONS

HEET No.

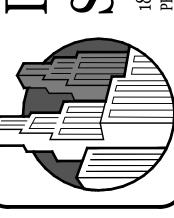
30.2



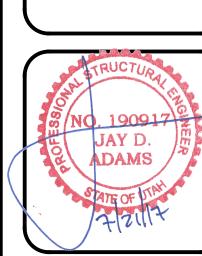
O- OBSERVE THESE ITEMS ON A RANDOM BASIS.

P- PERFORM THESE TASKS FOR EACH WELDED / BOLTED JOINT OR MEMBER (AISC 360-10 N5.4)





Structural Plans for:
POWDER MOUNTAIN CABIN 1000



DESIGNED BY: J.D.A.

CHECKED BY: J.D.A.

SCALE:

DATE: JULY 21, 2017

JOB No. 17-088

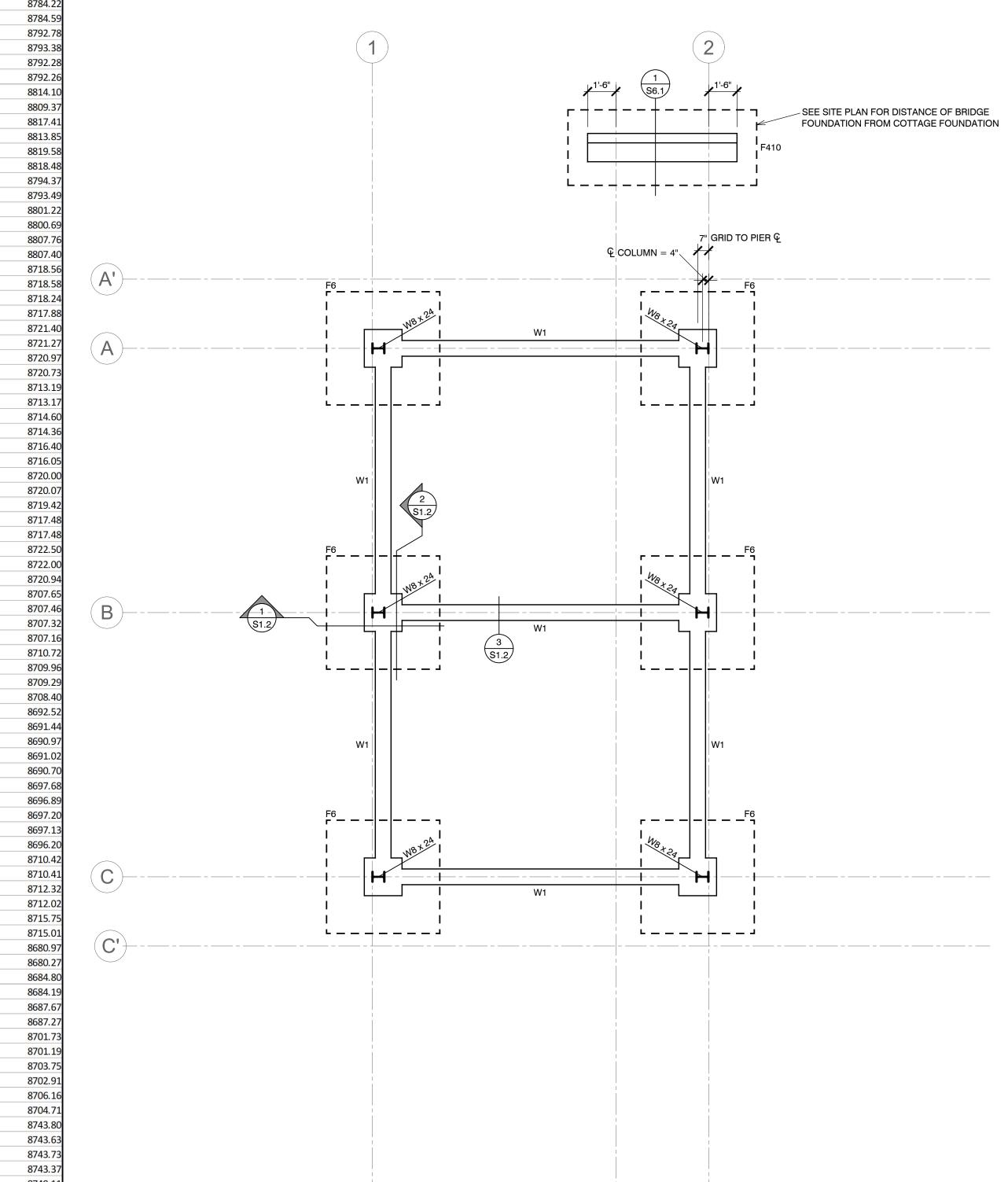
SPECIAL INSPECTIONS

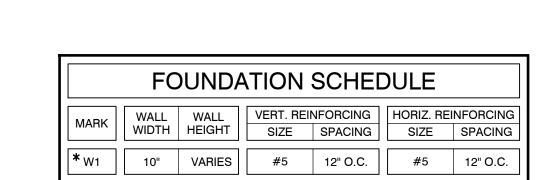
SHEET No.

SHEET No.

Unit Type	Pier Number	Finished Grade at Pier	Top of Pier Elevation	Bottom of Footing Elevation
1500SF	2A	8760.38	8760.50	8753.38
	2B 2C	8758.30 8765.44	8760.50 8766.00	8751.30 8758.44
	2D	8763.22	8766.00	8756.22
	2E 2F	8769.40 8768.27	8770.00 8770.00	8762.40 8761.27
1500SF	3A	8727.42	8728.00	8720.42
	3B 3C	8727.58 8732.46	8728.00 8733.00	8720.58 8725.46
	3D	8732.40	8733.00	8725.40
	3E	8734.16	8734.50	8727.16
2500SF	3F 4A	8734.15 8744.49	8734.50 8745.00	8727.15 8737.49
	4B	8744.42	8745.00	8737.42
	4C 4D	8743.88 8743.81	8745.00 8744.00	8736.88 8736.81
	4E	8743.05	8744.00	8736.05
	4F	8750.23	8750.50	8743.23
	4G 4H	8750.23 8750.23	8750.50 8750.50	8743.23 8743.23
	41	8750.23	8750.50	8743.23
2500SF	4J 5A	8750.23 8810.67	8750.50 8811.00	8743.23 8803.67
230031	5B	8809.82	8811.00	8802.82
	5C	8809.20	8811.00	8802.20
	5D 5E	8807.71 8806.26	8808.00 8806.50	8800.71 8799.26
	5F	8816.22	8816.50	8809.22
	5G 5H	8816.19 8816.13	8816.50 8816.50	8809.19 8809.13
	5H 5I	8816.13 8816.07	8816.50 8816.50	8809.13 8809.07
	5J	8814.80	8815.00	8807.80
1500plusSF	6A 6B	8776.88 8775.53	8777.00 8776.00	8769.88 8768.53
	6C	8775.53 8772.86	8776.00	8765.86
	6D	8769.93	8770.50	8762.93
	6E 6F	8782.72 8782.62	8783.00 8783.00	8775.72 8775.62
	6G	8779.71	8780.00	8772.71
15000 5	6Η 7Δ	8776.66 8792.86	8777.00 8793.25	8769.66 8785.86
1500SF	7A 7B	8792.86 8790.27	8793.25 8791.00	8785.86 8783.27
	7C	8797.24	8797.75	8790.24
	7D 7E	8795.19 8800.45	8795.50 8801.00	8788.19 8793.45
	7E 7F	8799.47	8800.00	8793.43 8792.47
2500SF	8A	8778.16 8777.50	8778.75 8777.75	8771.16 8770.50
	8B 8C	8777.50 8777.42	8777.75 8777.75	8770.50 8770.42
	8D	8777.01	8777.75	8770.01
	8E 8F	8775.99 8785.10	8776.50 8785.50	8768.99 8778.10
	8F 8G	8785.10 8785.25	8785.50 8785.50	8778.10 8778.25
	8H	8785.24	8785.50	8778.24
	8I 8J	8784.88 8784.10	8785.50 8784.50	8777.88 8777.10
1500plusSF	9A	8767.24	8767.50	8760.24
	9B	8766.41 8764.06	8767.50 8764.50	8759.41 8757.06
	9C 9D	8764.06 8762.41	8764.50 8763.00	8757.06 8755.41
	9E	8773.00	8773.50	8766.00
	9F 9G	8772.18 8770.40	8772.75 8771.00	8765.18 8763.40
	9H	8767.71	8768.00	8760.71
1500plusSF	10A	8748.17	8748.75	8741.17
	10B 10C	8746.78 8745.71	8747.00 8746.00	8739.78 8738.71
	10D	8745.41	8746.00	8738.41
	10E 10F	8754.64 8752.94	8755.00 8753.50	8747.64 8745.94
	10F 10G	8752.94 8751.18	8753.50 8751.50	8745.94 8744.18
	10H	8750.67	8751.50	8743.67
1000SF	11A 11B	8706.47 8706.12	8707.00 8707.00	8699.47 8699.12
	11C	8709.49	8710.00	8702.49
	11D	8709.45 8711.84	8710.00 8712.25	8702.45 8704.84
	11E 11F	8711.84 8711.71	8712.25 8712.25	8704.84 8704.71
1500plusSF	12A	8800.77	8801.00	8793.77
	12B 12C	8797.93 8795.36	8798.25 8796.00	8790.93 8788.36
	12C 12D	8793.20	8796.00 8793.75	8786.20
	12E	8805.59	8806.00	8798.59
	12F 12G	8803.88 8801.65	8804.25 8802.00	8796.88 8794.65
	12H	8799.21	8799.75	8792.21
1000SF	13A 13B	8779.35 8779.70	8780.00	8772.35 8772.70
	13B 13C	8779.70 8784.01	8780.00 8784.50	8772.70 8777.01
	13D	8783.44	8784.50	8776.44
	13E 13F	8788.19 8783.19	8788.50 8783.75	8781.19 8776.19
1500SF	13F 14A	8783.19 8783.38	8783.75 8784.00	8776.19 8776.38
	14B	8780.27	8780.75	8773.27
	14C 14D	8787.42 8783.88	8788.00 8784.25	8780.42 8776.88
	14E	8790.59	8791.00	8783.59
150005	14F	8787.93 8759.93	8788.50 8760.50	8780.93 8752.93
1500SF	15A 15B	8759.93 8758.21	8760.50 8758.75	8752.93 8751.21
	15C	8763.93	8764.50	8756.93
	15D 15E	8761.11 8767.87	8761.50 8768.00	8754.11 8760.87
	15E 15F	8767.87 8764.89	8768.00 8765.25	8760.87 8757.89
1000SF	16A	8735.82	8736.50	8728.82
	16B 16C	8735.93 8738.81	8736.50 8739.50	8728.93 8731.81
	16C 16D	8739.00	8739.50	8732.00
	16E	8742.08	8742.50	8735.08

1500plucs5	174	07.02.70	8702 2F	Q70F 70
500plusSF	17A 17B	8792.79 8792.37	8793.25 8793.25	8785.79 8785.37
	17C	8791.22	8792.00	8784.22
	17D 17E	8791.59 8799.78	8792.00 8801.00	8784.59 8792.78
	17F	8800.38	8801.00	8793.38
	17G 17H	8799.28 8799.26	8799.75 8799.75	8792.28 8792.26
1500SF	18A	8821.10	8821.50	8814.10
	18B 18C	8816.37 8824.41	8817.00 8825.00	8809.37 8817.41
	18D	8820.85	8821.25	8813.85
	18E	8826.58	8827.00	8819.58
1000SF	18F 19A	8825.48 8801.37	8826.00 8802.00	8818.48 8794.37
100031	19B	8800.49	8801.00	8793.49
	19C 19D	8808.22 8807.69	8808.75 8808.75	8801.22 8800.69
	19E	8814.76	8815.50	8807.76
	19F	8814.40	8815.50	8807.40
1500plusSF	20A 20B	8725.56 8725.58	8726.00 8726.00	8718.56 8718.58
	20C	8725.24	8726.00	8718.24
	20D 20E	8724.88 8728.40	8726.00 8728.75	8717.88 8721.40
	20F	8728.27	8728.75	8721.40
	20G	8727.97	8728.75	8720.97
1000SF	20H 21A	8727.73 8720.19	8728.75 8720.75	8720.73 8713.19
	21B	8720.17	8720.75	8713.17
	21C 21D	8721.60 8721.36	8722.00 8722.00	8714.60 8714.36
	21D 21E	8721.36 8723.40	8722.00	8714.36 8716.40
1500   5-	21F	8723.05	8723.75	8716.05
1500plusSF	22A 22B	8727.00 8727.07	8727.50 8727.50	8720.00 8720.07
	22C	8726.42	8727.00	8719.42
	22D 22E	8724.48 8724.48	8725.50 8730.00	8717.48 8717.48
	22E 22F	8724.48 8729.50	8730.00 8730.00	8717.48 8722.50
	22G	8729.00	8730.00	8722.00
1500plusSF	22H 23A	8727.94 8714.65	8728.50 8715.00	8720.94 8707.65
	23B	8714.46	8715.00	8707.46
	23C 23D	8714.32 8714.16	8715.00 8715.00	8707.32 8707.16
	23D 23E	8714.16 8717.72	8715.00 8718.00	8707.16 8710.72
	23F	8716.96	8717.25	8709.96
	23G 23H	8716.29 8715.40	8717.25 8716.00	8709.29 8708.40
2500SF	24A	8699.52	8700.00	8692.52
	24B	8698.44 8697.97	8699.00	8691.44
	24C 24D	8698.02	8699.00 8699.00	8690.97 8691.02
	24E	8697.70	8698.50	8690.70
	24F 24G	8704.68 8703.89	8704.75 8704.75	8697.68 8696.89
	24H	8704.20	8704.75	8697.20
	241	8704.13	8704.75	8697.13
1500SF	24J 25A	8703.20 8717.42	8704.00 8718.00	8696.20 8710.42
	25B	8717.41	8718.00	8710.41
	25C 25D	8719.32 8719.02	8720.00 8720.00	8712.32 8712.02
	25E	8722.75	8723.00	8715.75
100005	25F	8722.01	8723.00	8715.01
1000SF	26A 26B	8687.97 8687.27	8688.25 8688.25	8680.97 8680.27
	26C	8691.80	8692.25	8684.80
	26D 26E	8691.19 8694.67	8692.25 8695.00	8684.19 8687.67
	26F	8694.67	8695.00	8687.67
1000SF	27A	8708.73	8709.25	8701.73
	27B 27C	8708.19 8710.75	8709.25 8711.25	8701.19 8703.75
	27D	8709.91	8710.50	8702.91
	27E 27F	8713.16 8711.71	8713.75 8712.25	8706.16 8704.71
1500plusSF	27F 28A	8711.71	8712.25	8704.71
	28B	8750.63	8751.25	8743.63
	28C 28D	8750.73 8750.37	8751.25 8751.25	8743.73 8743.37
	28E	8756.11	8757.00	8749.11
	28F 28G	8756.21 8756.81	8757.00 8757.00	8749.21 8749.81
	28G 28H	8756.81 8756.71	8757.00	8749.81 8749.71
1000SF	29A	8743.44	8744.00	8736.44
	29B 29C	8744.43 8746.72	8745.00 8747.75	8737.43 8739.72
	29D	8747.38	8747.75	8740.38
	29E 29F	8750.93 8750.96	8751.50 8751.50	8743.93 8743.96
1500SF	30A	8750.96 8731.96	8751.50 8732.50	8743.96 8724.96
	30B	8731.82	8732.50	8724.82
	30C 30D	8734.89 8735.08	8735.50 8735.50	8727.89 8728.08
	30E	8738.23	8738.75	8731.23
350005	30F	8738.20	8738.75	8731.20
2500SF	31A 31B	8740.17 8740.32	8740.75 8740.75	8733.17 8733.32
	31C	8741.13	8741.75	8734.13
	31D	8741.26 8741.71	8741.75 8742.25	8734.26 8734.71
	31E 31F	8741.71 8745.58	8742.25 8746.50	8734.71 8738.58
	31G	8745.79	8746.50	8738.79
			0746 50	0720 17
	31H 31I	8746.17 8746.60	8746.50 8747.25	8739.17 8739.60

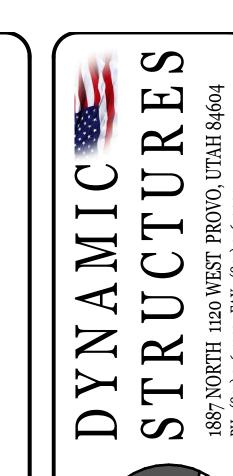




PLACE (2) # 4 HORIZ. BARS AT TOP & BOTTOM OF WALL CONTINUOUS, TYPICAL. RECESS TOP OF WALL AT OPENINGS & POUR SLAB THROUGH, SEE DETAILS

\* THIS WALL REQUIRES (2) MATS OF REINFORCING (1) MAT 2" OFF EA. FACE AS SPECIFIED ABOVE

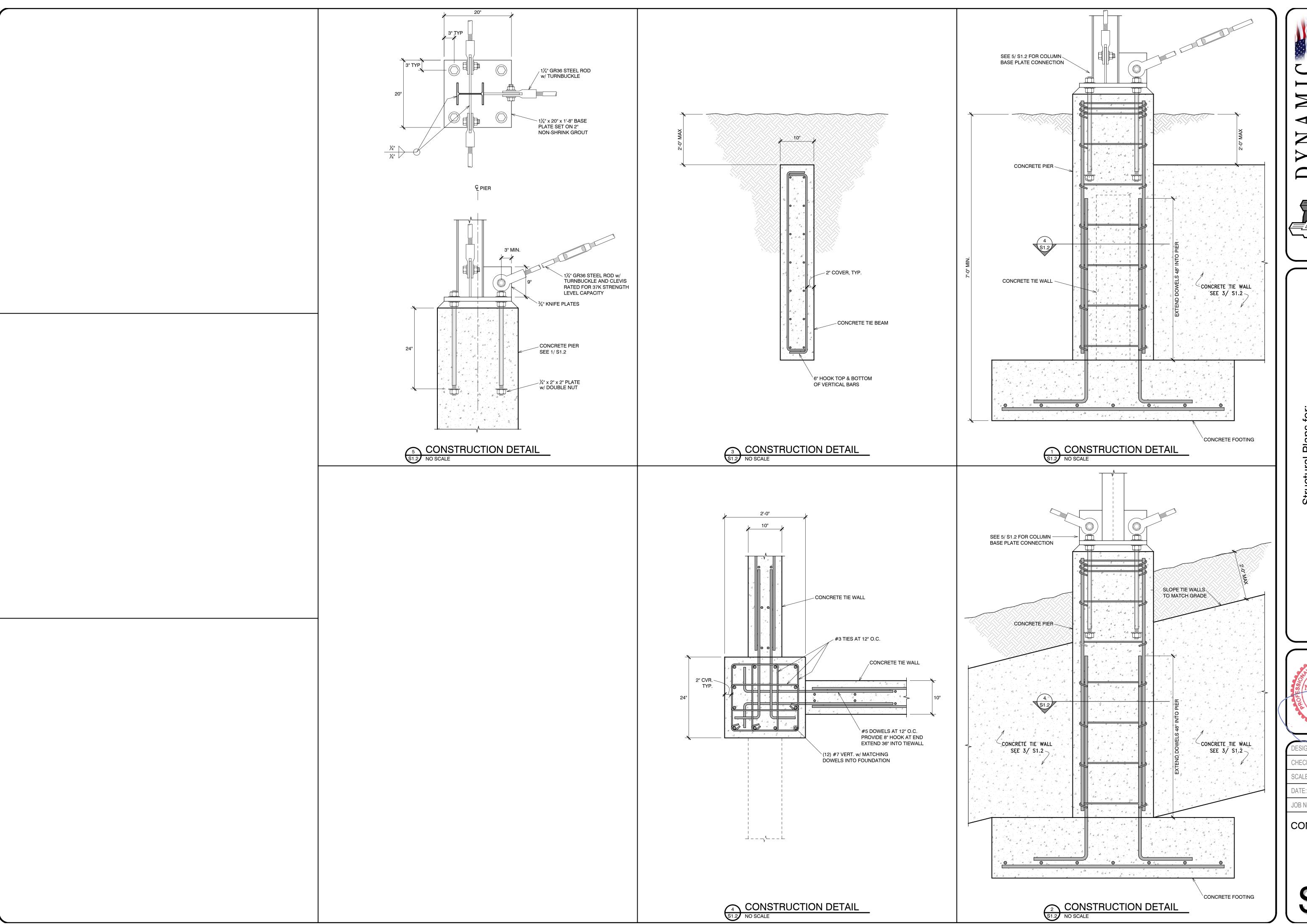
FOOTING SCHEDULE											
MARK WIDTH LENGTH DEPTH REINFORCING CROSS-WISE No. SIZE LENGTH SPACING No. SIZE LENGTH SPACING											
F6	6'-0"	6'-0"	14"	(7)	#5	5'-6"	EQUAL	(7)	#5	5'-6"	EQUAL
F410	4'-0"	10'-0"	12"	(11)	#5	3'-6"	EQUAL	(5)	#5	9'-6"	EQUAL

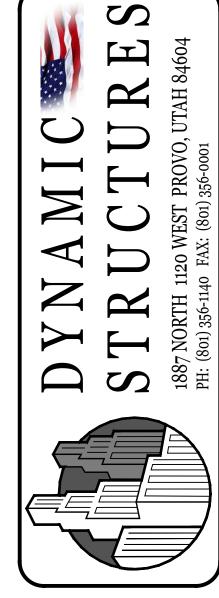


uctural Plans for:
UNTAIN C

1	DESIGNED BY:	J.D.A.
	CHECKED BY:	J.D.A.
	SCALE:	1/4" = 1'-0"
	DATE: <b>J</b> U	LY 21, 2017

**FOUNDATION** PLAN





Structural Plans for:
POWDER MOUNTAIN CABIN 1000

TRUCTURAL DAY D. ADAMS

ATROFUTANT

ATROFU

DESIGNED BY: J.D.A.

CHECKED BY: J.D.A.

SCALE: AS SHOWN

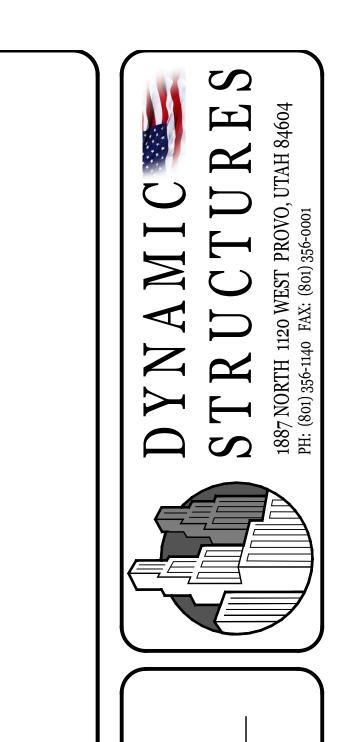
DATE: JULY 21, 2017

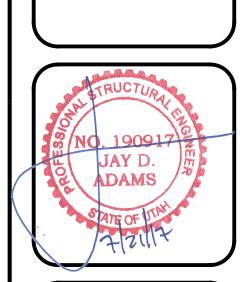
JOB No. 17-088

JOB No. 17-088

CONSTRUCTION
DETAILS

SHEET No.



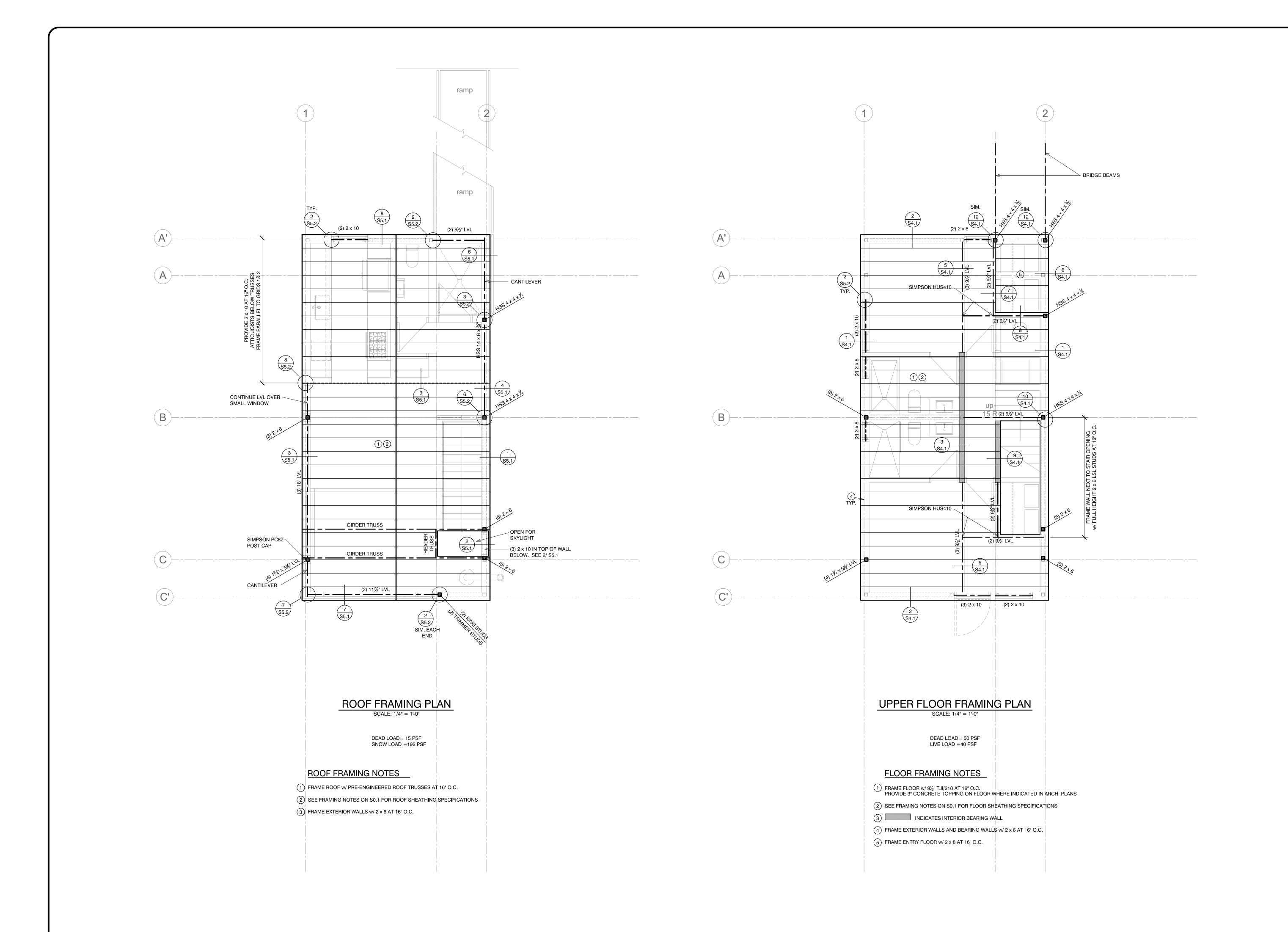


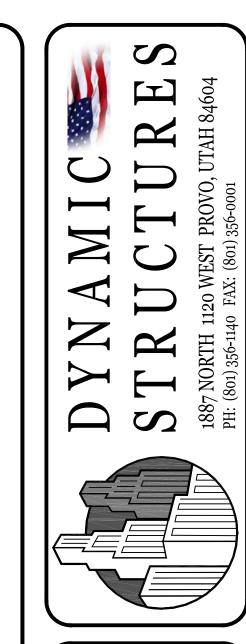
CHECKED BY: 1/4" = 1'-0" DATE: **JULY 21, 2017** 

MAIN FLOOR

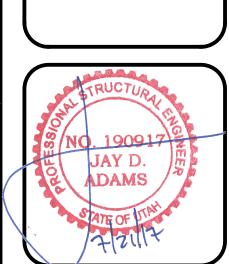
FRAMING PLAN

1 S4.2 BEAMS UNDER BEARING WALL —— OF UPPER FLOOR FRAMING TYP. EACH SIDE B 6 \$4.2 4 \$4.2 MAIN FLOOR FRAMING PLAN SCALE: 1/4" = 1'-0" FLOOR FRAMING NOTES 1) FRAME FLOOR W/ 9½" TJI/210 AT 16" O.C. PROVIDE 3" CONCRETE TOPPING ON FLOOR WHERE INDICATED IN ARCH. PLANS 2 SEE FRAMING NOTES ON S0.1 FOR FLOOR SHEATHING SPECIFICATIONS 3 REPRESENTS 1½" ROD CROSS BRACING BETWEEN FOUNDATION AND MAIN LEVEL FRAMING





Structural Plans for:
POWDER MOUNTAIN CABIN 10

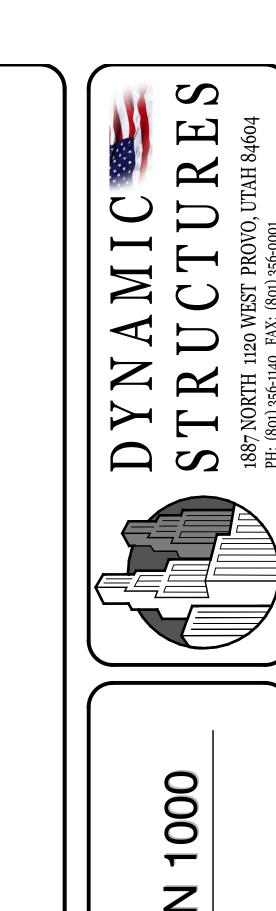


DBY: J.D.A.	DESIGNED
BY: J.D.A.	CHECKED
1/4" = 1'-0"	SCALE:
JULY 21, 2017	DATE:
17-088	JOB No.

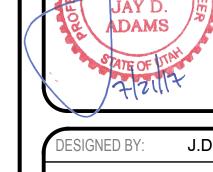
UPPER FLOOR
AND ROOF
FRAMING PLANS

AMING PLAI SHEET No.

SHEET NO. **S2.2** 



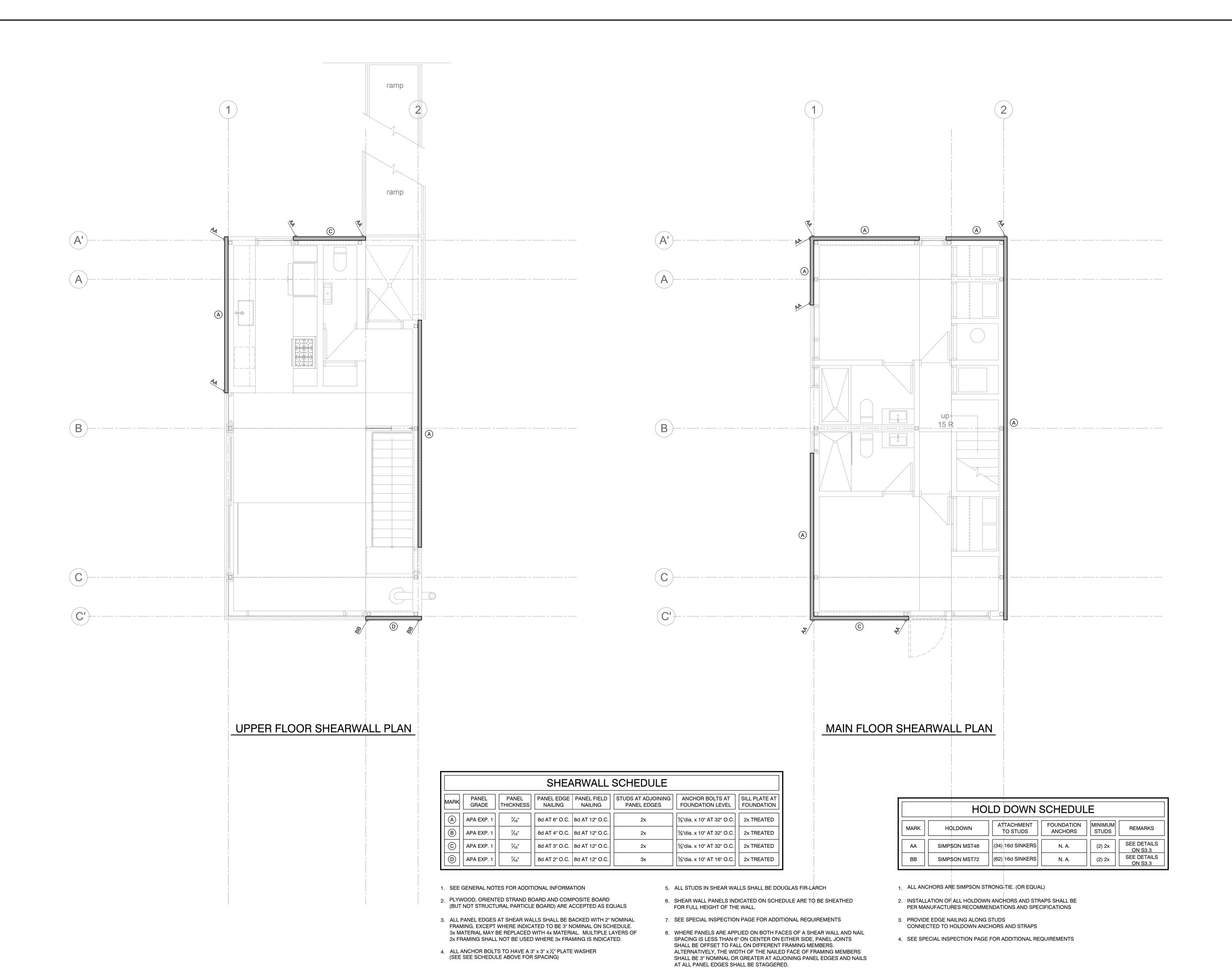
Structural Plans for:
POWDER MOUNTAIN CABIN 100

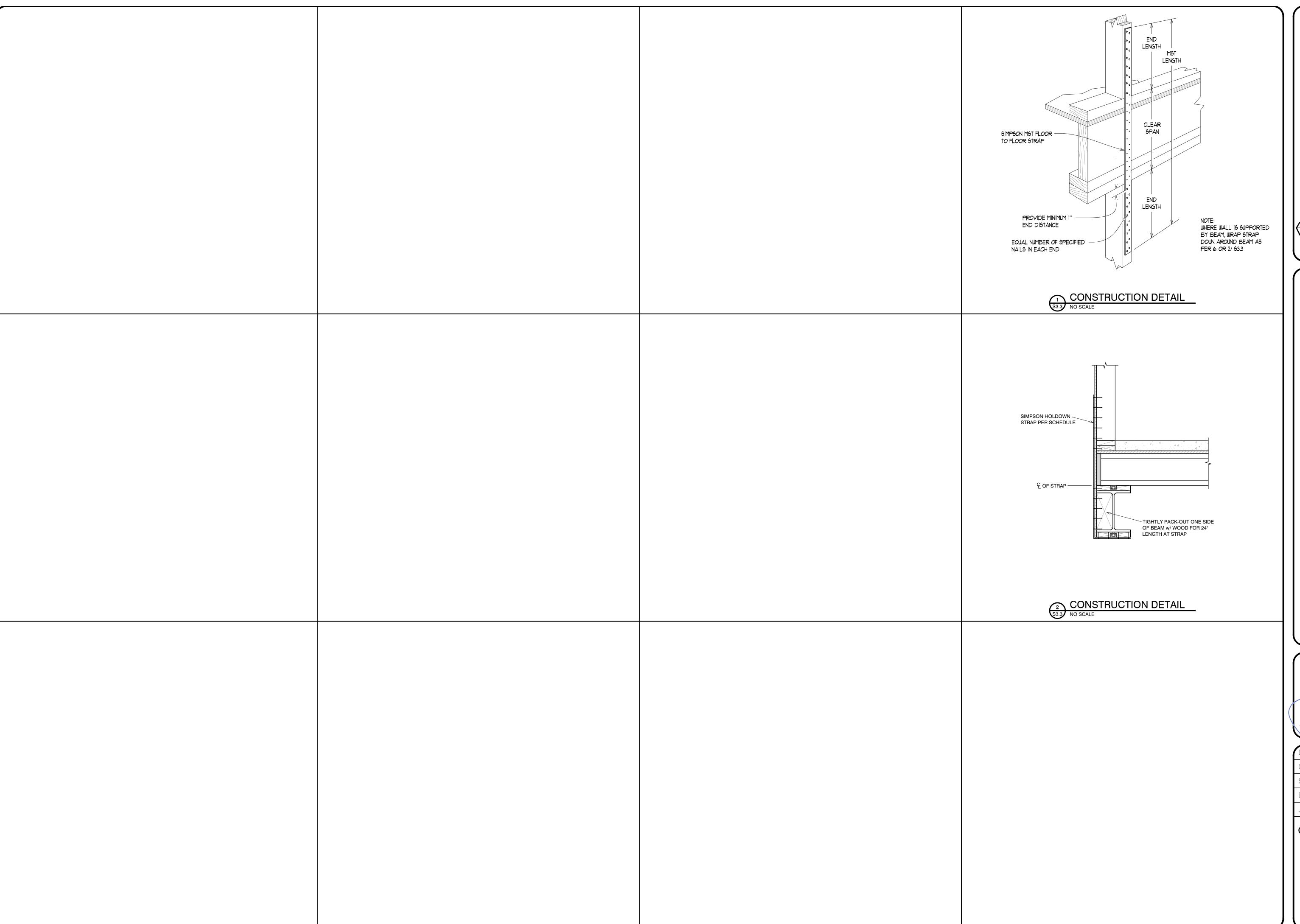


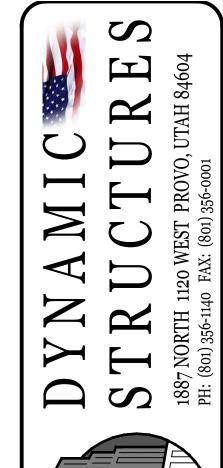
DESIGNED BY: J.D.	Α.
CHECKED BY: J.D.	Α.
SCALE: 1/4" = 1'-	0"
DATE: JULY 21, 20	17
JOB No. 17-08	 38

MAIN FLOOR &
UPPER FLOOR
SHEARWALL
PLANS

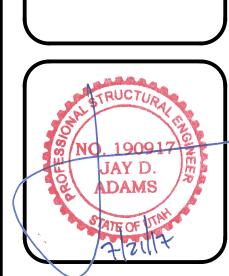
SHEET No.







Structural Plans for:
WDER MOUNTAIN CABIN 1000



DESIGNED BY: J.D.A.

CHECKED BY: J.D.A.

SCALE: AS SHOWN

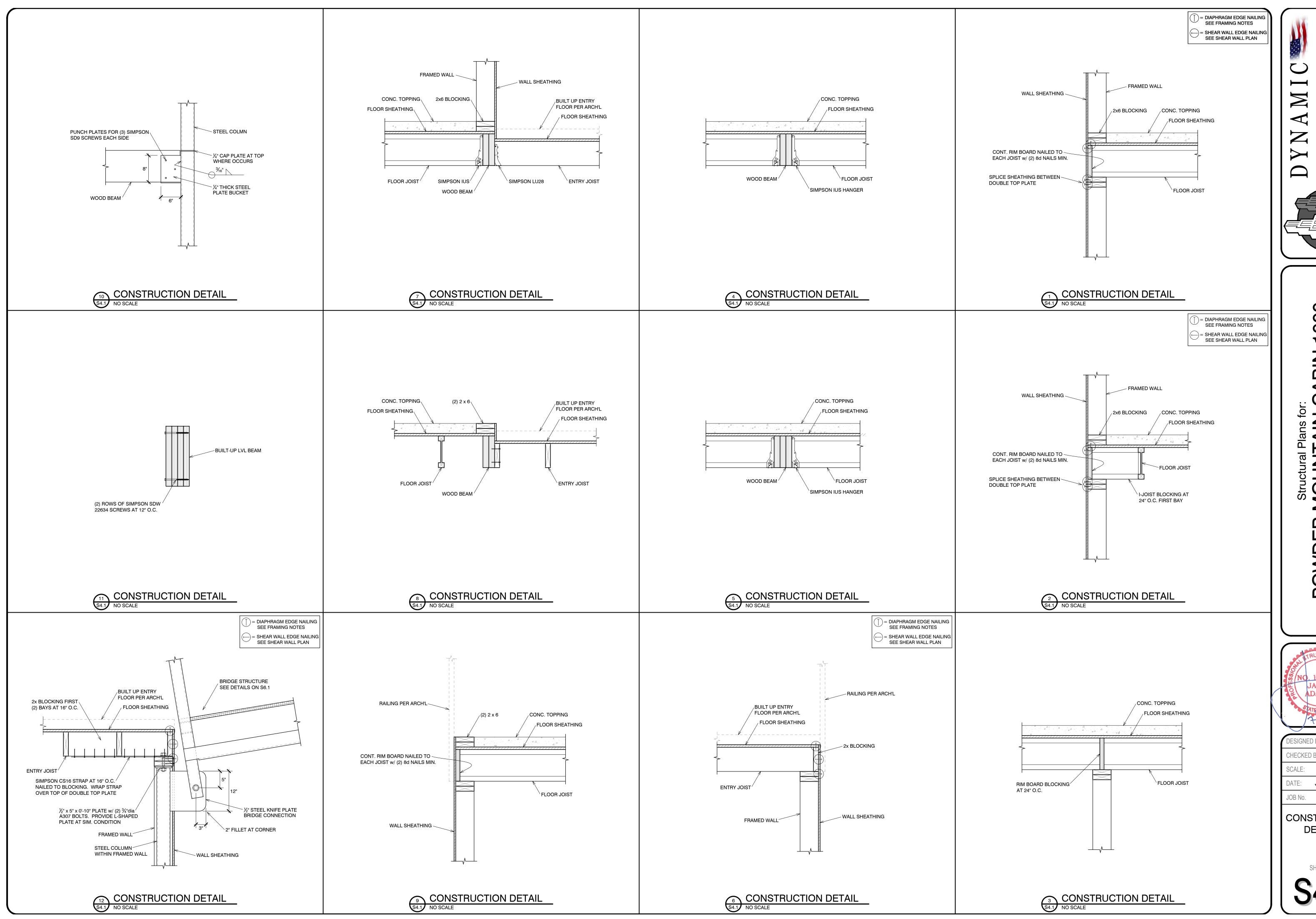
DATE: JULY 21, 2017

JOB No. 17-088

CONSTRUCTION DETAILS

SHEET No.

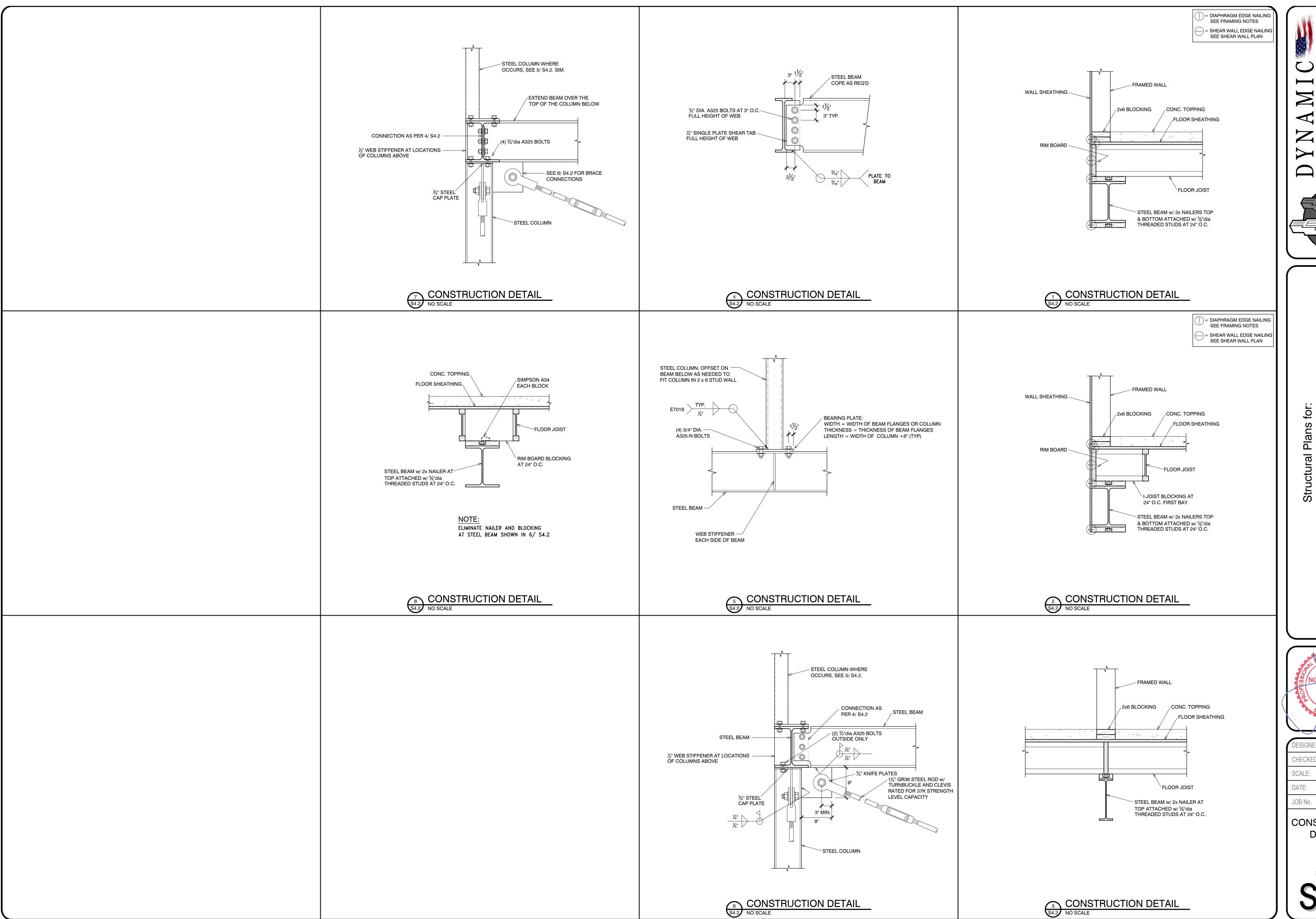
ERMIT SET

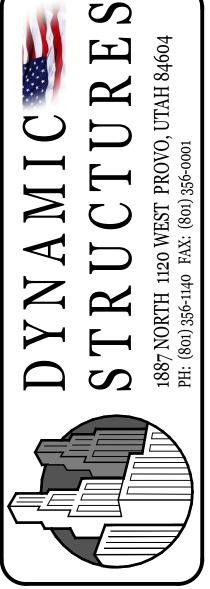


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J.D.A. CHECKED BY: AS SHOWN JULY 21, 2017 17-088 CONSTRUCTION DETAILS

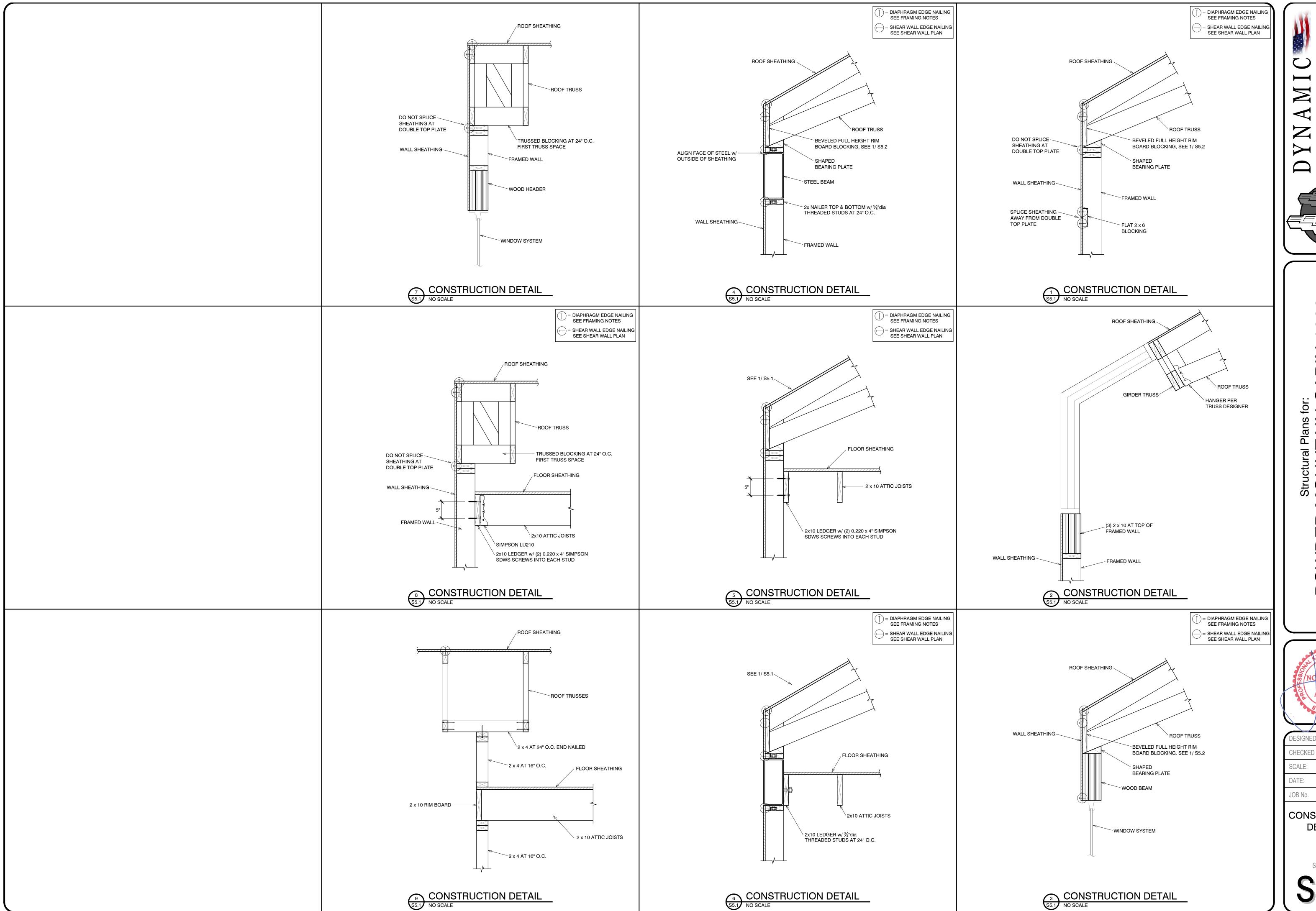




000 ABIN uctural Plans for:
UNTAIN Strue **POWDER** 

J.D.A. CHECKED BY: AS SHOWN DATE: JULY 21, 2017 17-088

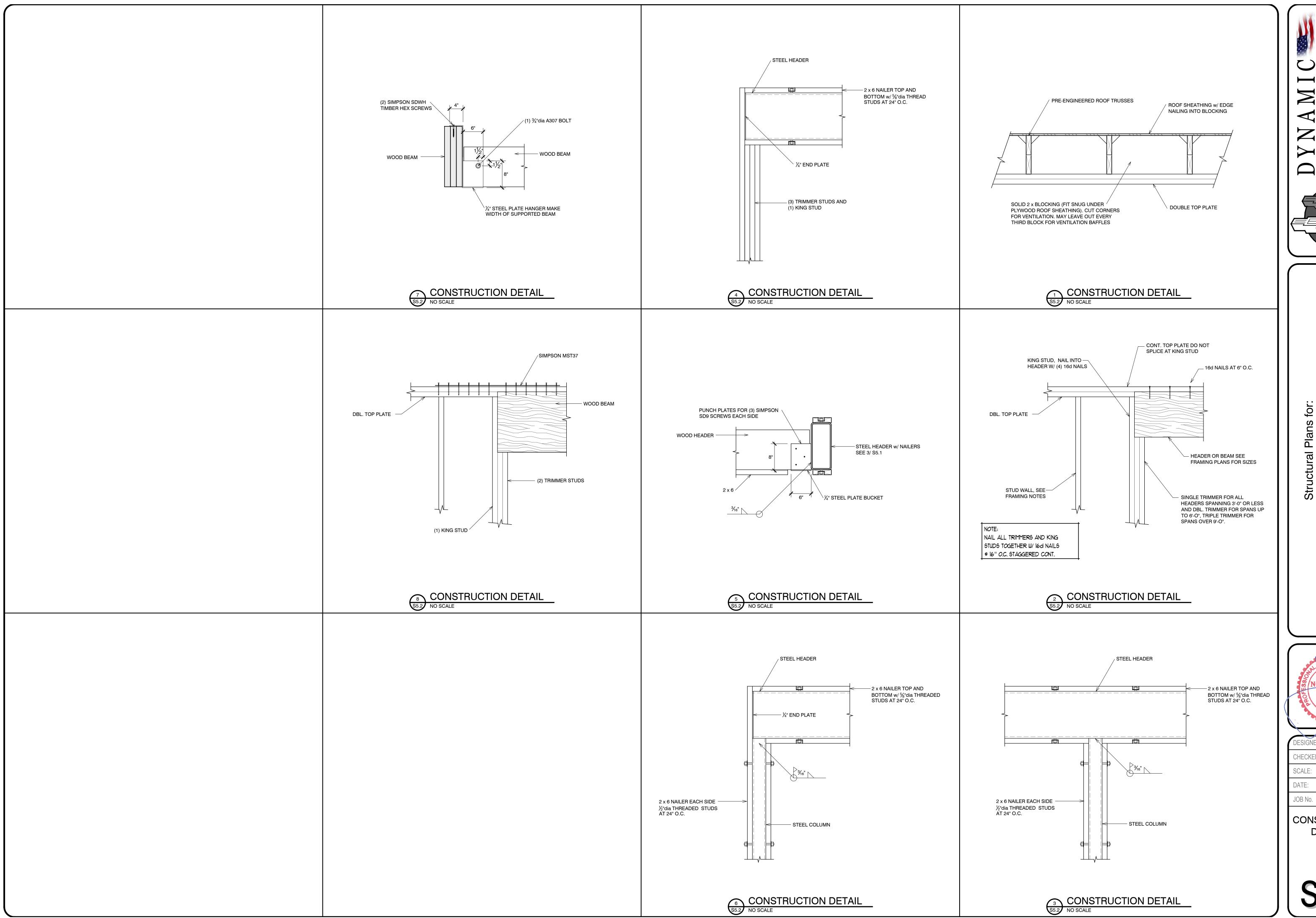
CONSTRUCTION **DETAILS** 

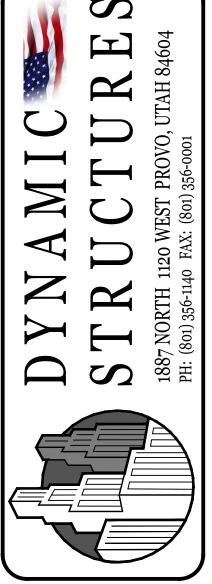


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J.D.A. CHECKED BY: AS SHOWN JULY 21, 2017 17-088 CONSTRUCTION DETAILS

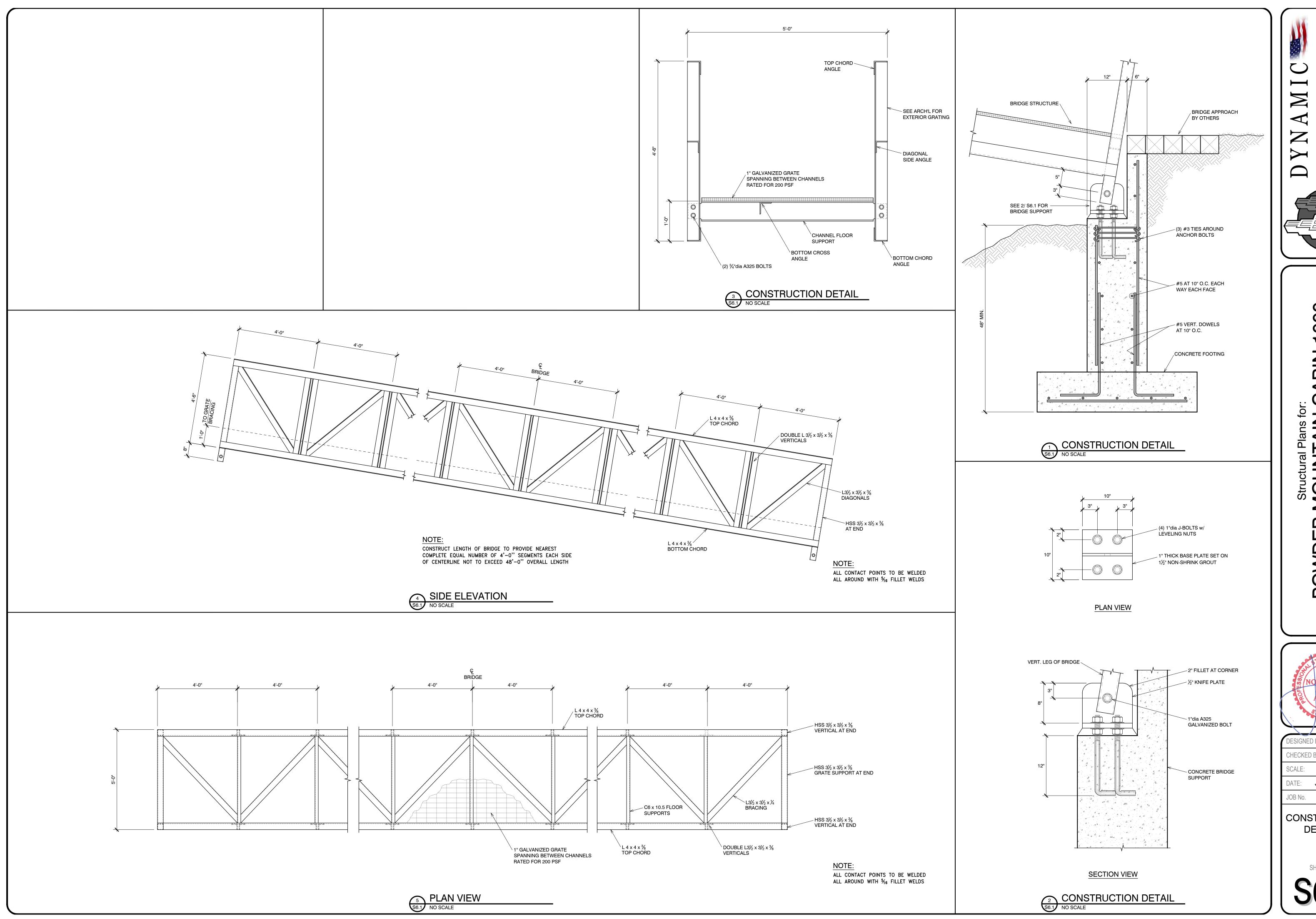




000 BIN UNTAIN Strue **POWDER** 

J.D.A. CHECKED BY: AS SHOWN DATE: JULY 21, 2017 17-088 CONSTRUCTION

**DETAILS** 



000 ABIN uctural Plans for:
UNTAIN Stru **MO** POWDE

J.D.A. J.D.A. CHECKED BY: AS SHOWN DATE: JULY 21, 2017 17-088

CONSTRUCTION **DETAILS** 

EYE WASH STATION

EWS

OS&Y

OPEN SCREW & YOLK

## PROJECT NOTES

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH, 2012 INTERNATIONAL BUILDING CODE, 2012 INTERNATIONAL MECHANICAL CODE, 2012 INTERNATIONAL PLUMBING CODE. 2012 INTERNATIONAL FUEL GAS CODE, AND 2012 INTERNATIONAL ENERGY CODE, INCLUDING STATE AND LOCAL AMENDMENTS. SUBJECT TO AUTHORITY HAVING JURISDICTION INTERPRETATION.
- CLOSELY COORDINATE NEW MECHANICAL AND PLUMBING CONSTRUCTION WITH ALL MECHANICAL. ELECTRICAL ARCHITECTURAL AND STRUCTURAL MEMBERS. DUCTWORK AND PIPE ROUTING IS APPROXIMATE, DIAGRAMMATIC AND IS NOT TO BE SCALED. PROVIDE ALTERNATE ROUTING, OFFSETS AND TRANSITIONS AS REQUIRED FOR COORDINATION OF ALL WORK WITHOUT ADDITIONAL COST
- DO NOT SHUT-OFF/PUT OUT SERVICE ANY SYSTEMS/SERVICES WITHOUT FIRST COORDINATING ALL DOWNTIME WITH THE OWNER'S PERSONNEL
- PROVIDE SEISMIC RESTRAINT FOR ALL MECHANICAL AND PLUMBING EQUIPMENT AND PIPING IN ACCORDANCE WITH 2012 IBC, IMC, AND IPC. SEISMIC BUILDING CATEGORY (IBC) "II". SITE CLASS "D". SD1=0.365. AND SDS=0.686.
- CONTRACTOR SHALL PROVIDE 1 YEAR STANDARD WARRANTY SUBMIT ALL EQUIPMENT, AIR DEVICES, VALVES, FITTINGS, PIPE MATERIALS, INSULATION, AND ACCESSORIES TO BE USED IN PROJECT. SUBMIT ALL EQUIPMENT AND ACCESSORIES LISTED ON MECHANICAL SCHEDULE SHEET SUBMIT ELECTRONIC SUBMITTAL TO ARCHITECT FOR REVIEW AND APPROVAL BY ENGINEER. DO NOT PLACE ORDER UNTIL ENGINEER HAS REVIEWED AND APPROVED SUBMITTAL RECORD ALL FIELD CHANGES ON RECORD DRAWINGS AND SUBMIT TO ENGINEER DURING PROJECT CLOSE OUT.
- INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURERS INSTALLATION INSTRUCTIONS. PROJECT ELEVATION IS 8800 FT FOR EQUIPMENT
- PROVIDE ALL DUCT IN ACCORDANCE WITH SMACNA STANDARDS FOR 2" WC PRESSURE CLASS. SEAL ALL TRANSVERSE AND LONGITUDINAL SEAMS AND JOINTS EXCEPT FOR WELDED OR LOCKING-TYPE LONGITUDINAL JOINTS.
- 11. DUCT DIMENSIONS SHOWN ARE INSIDE FLOW DIMENSIONS. 12. PROVIDE TEST AND BALANCE REPORT TO ENGINEER FOR REVIEW AND APPROVAL.
- 13. INSULATE ALL HEATING WATER PIPE WITH 1 1/2" INSULATION WITH ASJ.
- 14. PROVIDE ISOLATION VALVES SERVING FACH PIECE OF EQUIPMENT.
- 15. DISINFECT NEW DOMESTIC WATER PIPING. SUBMIT DISINFECTION REPORT TO ENGINEER FOR REVIEW.
- ALL WASTE AND VENT IS 2" UNLESS OTHERWISE NOTED 17. ALL WASTE AND VENT PIPE SHALL BE SCHEDULE 40 ABS. SCHEDULE 40 PVC, OR SERVICE WEIGHT CAST IRON.
- 18. PROVIDE DEEP SEAL TRAP, TRAP GUARD, OR TRAP PRIMERS ON ALL FLOOR DRAINS, ALL FLOOR SINKS, AND ALL STANDPIPES THAT DO NOT HAVE A RELIABLE SOURCE TO MAINTAIN TRAP SEAL.
- 19. T-DRILL FITTINGS SHALL NOT BE USED IN THIS PROJECT. 20. INSULATE ALL HOT WATER AND RETURN PIPE WITH 1" INSULATION WITH ASJ. INSULATE ALL COLD WATER PIPE WITH 1/2" INSULATION WITH ASJ.
- 21. ALL "BRANCH" HOT AND COLD WATER LINES FEEDING ONE OR TWO SINKS OR LAV'S ARE 1/2". DROP IN WALL AND DISTRIBUTE TO SINKS OR LAV'S AS REQ'D. PROVIDE INDIVIDUAL STOPS FOR EACH SINK OR LAV.
- 22. ALL LIQUID PETROLEUM PIPE SHALL BE SCHEDULE 40 STEEL PIPE WITH SCREWED FITTINGS FOR 2 LB SERVICE. CONTRACTOR MAY USE CSST DOWNSTREAM OF REGULATORS FOR FINAL EQUIPMENT CONNECTION.
- 23. PROVIDE "DIRT LEG" AHEAD OF EACH PIECE OF FUEL FIRED EQUIPMENT.
- 24. SUPPORT GAS PIPING WITH METAL PIPE HOOKS, METAL PIPE STRAPS, METAL BANDS, METAL-BRACKETS, METAL HANGERS OR BUILDING STRUCTURAL COMPONENTS WITH SUPPORTS SPACED CLOSER THAN INDICATED IN GAS PIPE SUPPORT SCHEDULE. MOUNT GAS PIPE "TIGHT" TO BUILDING STRUCTURE OR WITHIN 1'-0" OF BUILDING STRUCTURE TO AVOID ADDITIONAL SEISMIC BRACING.

## SHEET LIST

- MH001 MECHANICAL LEGEND AND NOTES
- MH101 MECHANICAL FLOOR PLANS
- PP100 PLUMBING LOWER FP BELOW FLOOR
- PP101 PLUMBING FLOOR PLANS WASTE AND VENT PP102 - PLUMBING FLOOR PLANS - DOMESTIC
- PP501 PLUMBING DETAILS PP601 — PLUMBING SCHEDULES
- PP901 PLUMBING WASTE AND VENT ISOMETRIC

Horizon Neighborhoo Summit Powder Mount Eden, U MacKay-Lyons Architects Limited 2188 Gottingen St. Halifax, Nova Scotia Canada B3K 3B4 ph: (902) 429.1867 fax: (902) 429.6276







No.	Description	Date
##		##XXX####

## NOTES:

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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 rom instructions provided by the Engineer.

AUTHORITIES' REQUIREMENTS AND APPROVALS Il materials and workmanship must comply with the uirements of all authorities having jurisdication over the work. It is the Builder's responsibility to gain

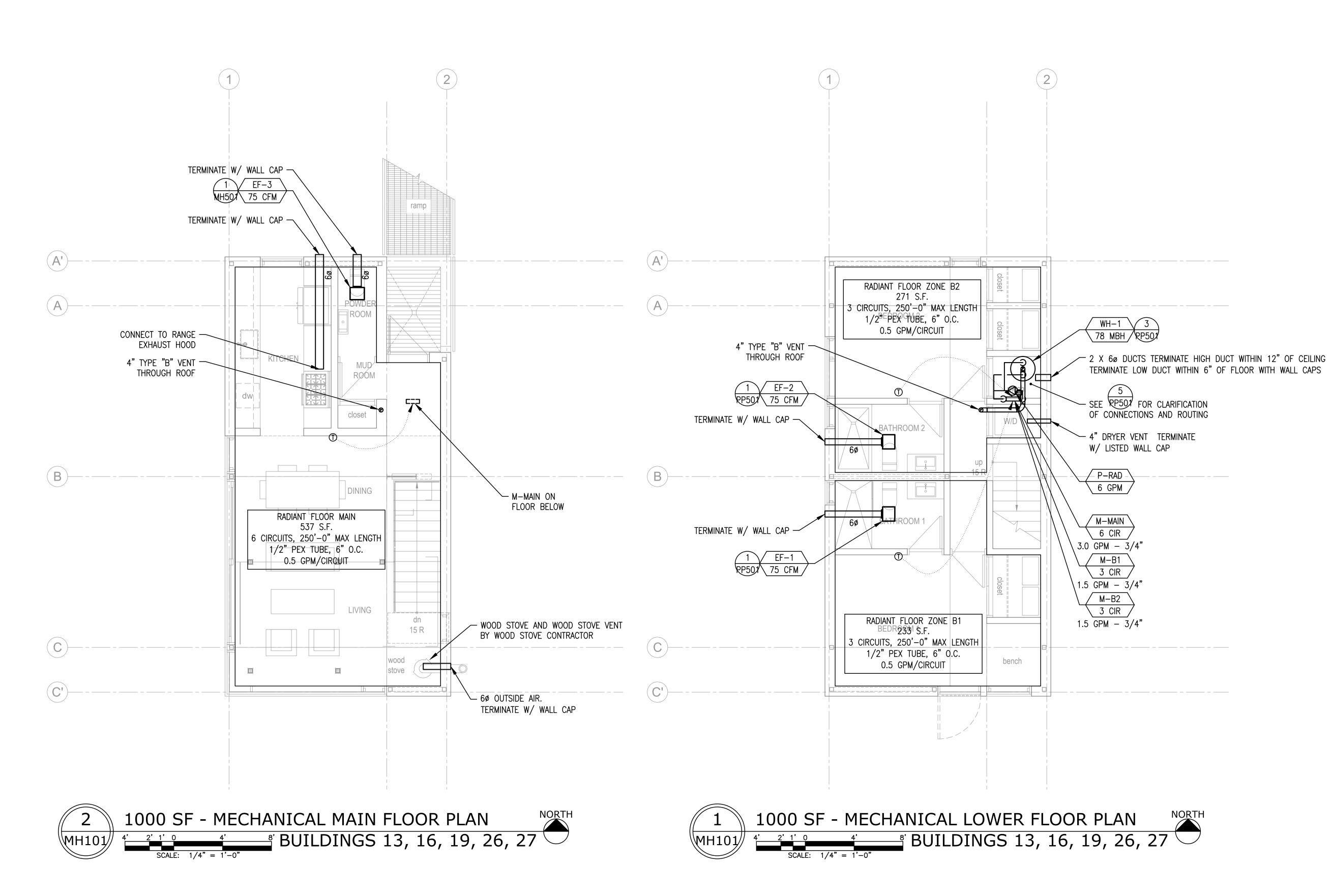
ecessary approval from all relevant Authorities. Il dimensions must be verified on site. Do not scale off

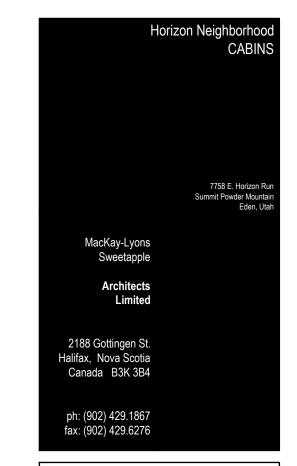
rawings. Plans take precedent over elevations. In the absence of dimensions, or if discrepancies exist, consult Architect. All minimum dimensions are to comply with the National Building Code of Canada.

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

LEGEND AND NOTES

scale: AS NOTED date: 03/13/2017 drawn: STAFF











	sion:	Date
No.	Description	Date
##		##XXX####

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**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.

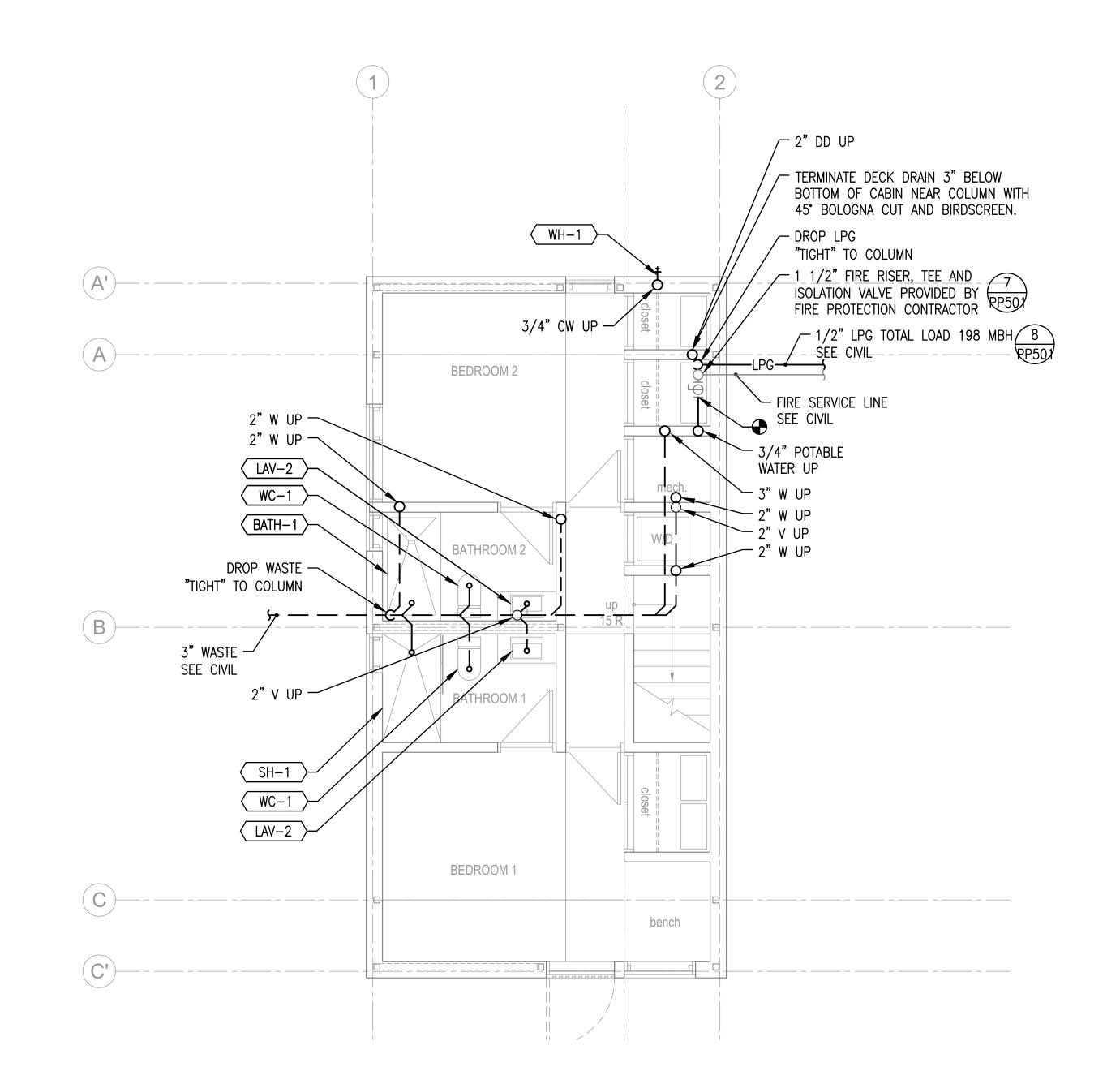
**AUTHORITIES' REQUIREMENTS AND APPROVALS:** All materials and workmanship must comply with the requirements of all authorities having jurisdication over the work. It is the Builder's responsibility to gain necessary approval from all relevant Authorities.

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

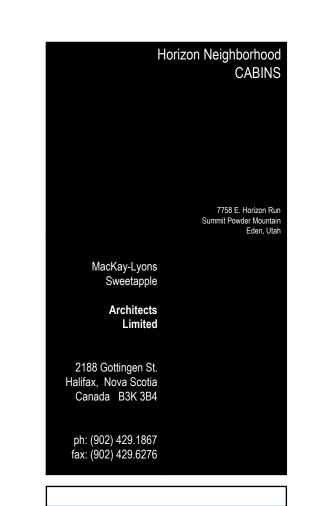
Submit shop drawings to the Architect and Engineer for approval prior to manufacture of prefabricated elements

FLOOR PLANS

scale: AS NOTED drawn: STAFF











801-255-9333



##		##XXX####
##		##XXX####
No.	Description	Date
Revi	sion:	1

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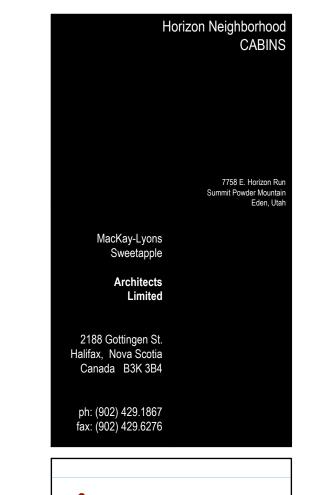
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# SHOP DRAWINGS:

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

**FLOOR PLAN** 

drawn: STAFF







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##		##XXX####

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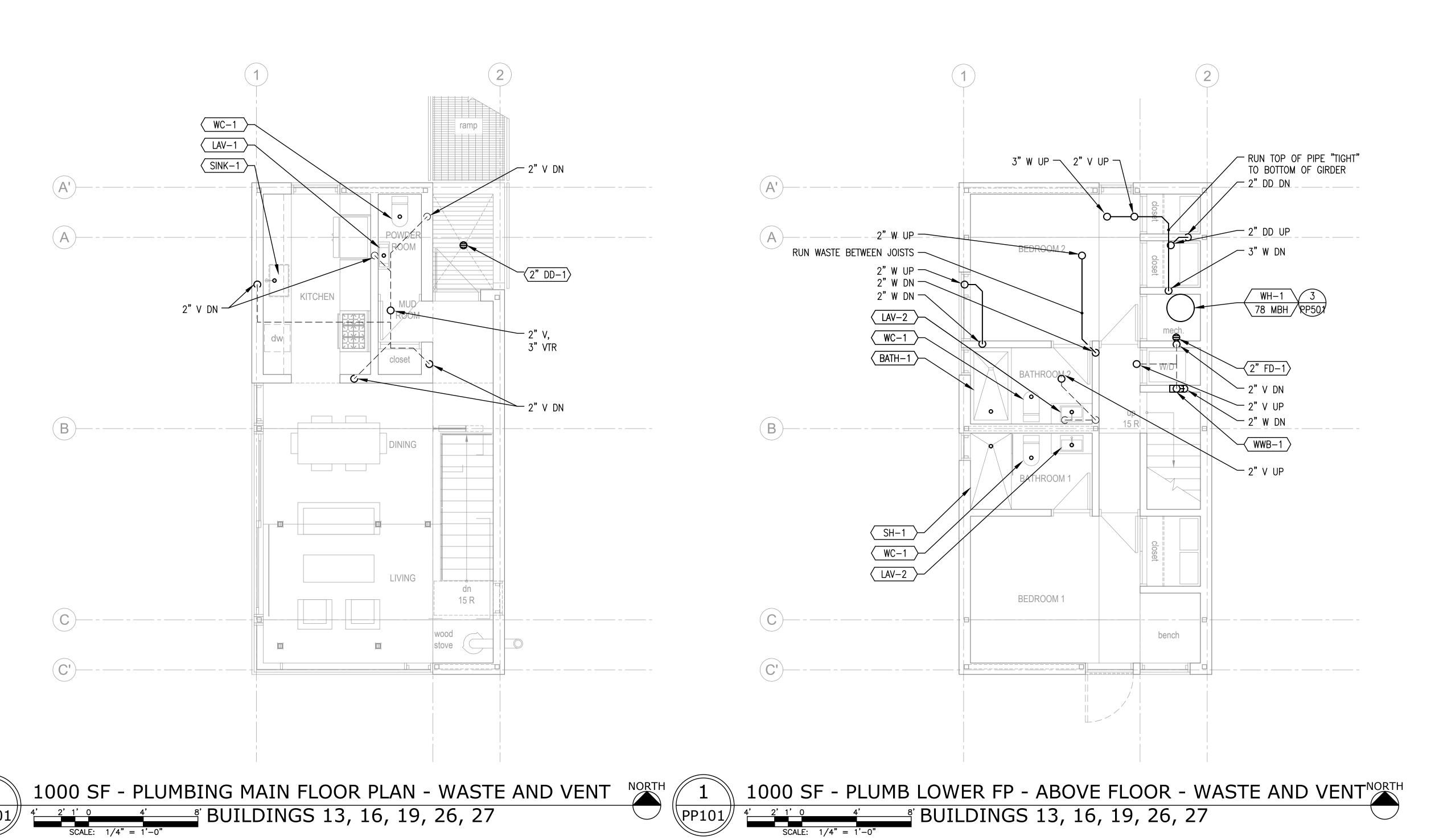
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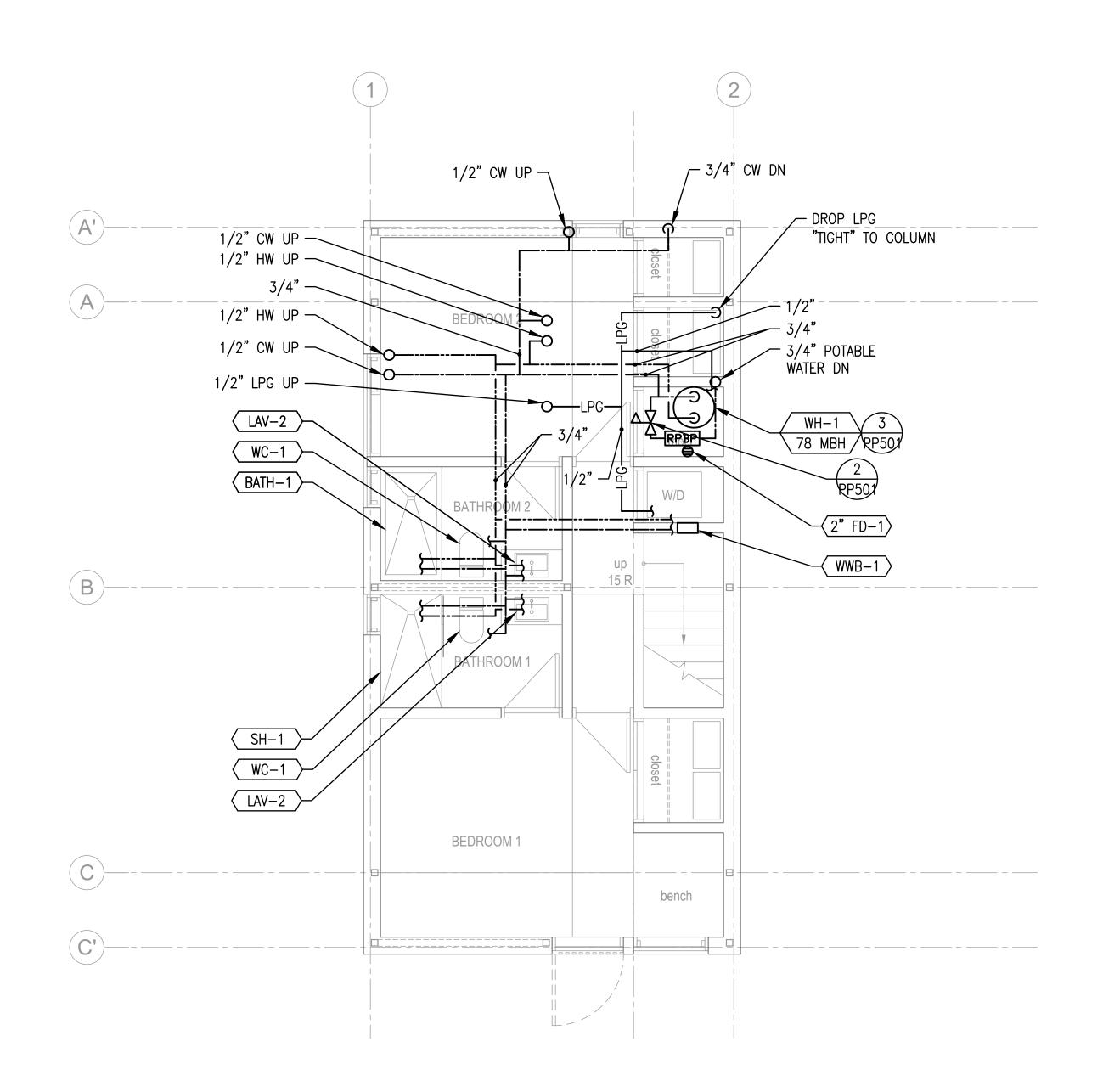
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- WASTE AND **VENT** 

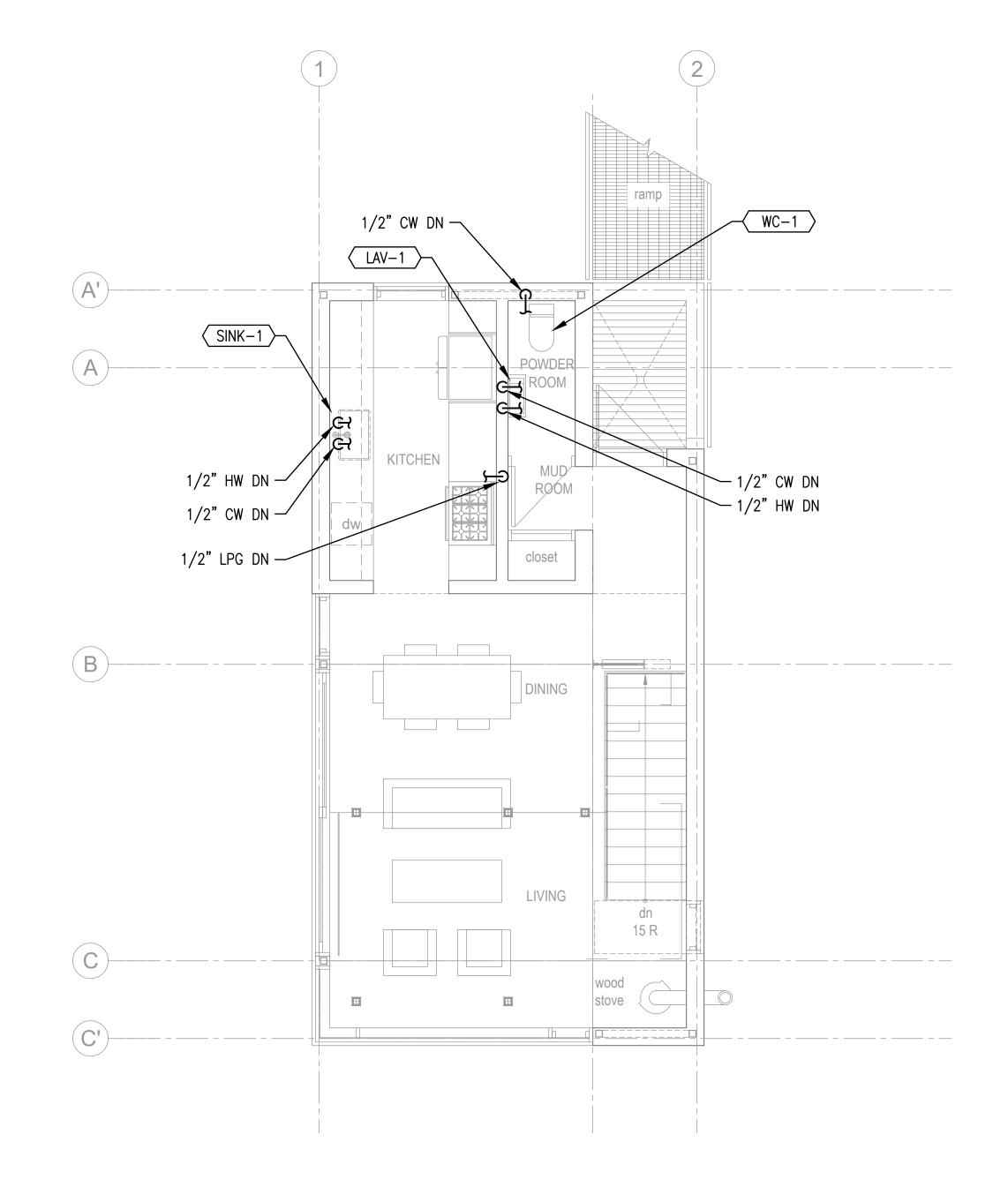
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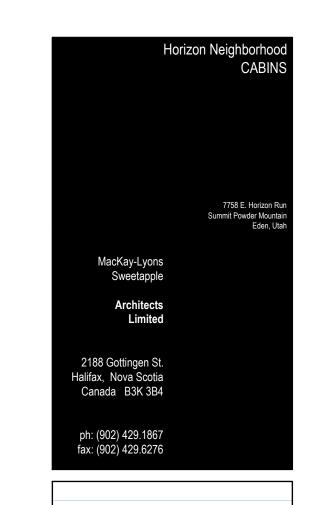


1000 SF - PLUMBING LOWER FLOOR PLAN - DOMESTIC NORTH 8' 2' 1' 0 4' 8' BUILDINGS 13, 16, 19, 26, 27

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











No.	Description	Date
##		##XXX####
##	·	##XXX####
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##	_	##XXX####
##	_	##XXX####
##		##XXX####

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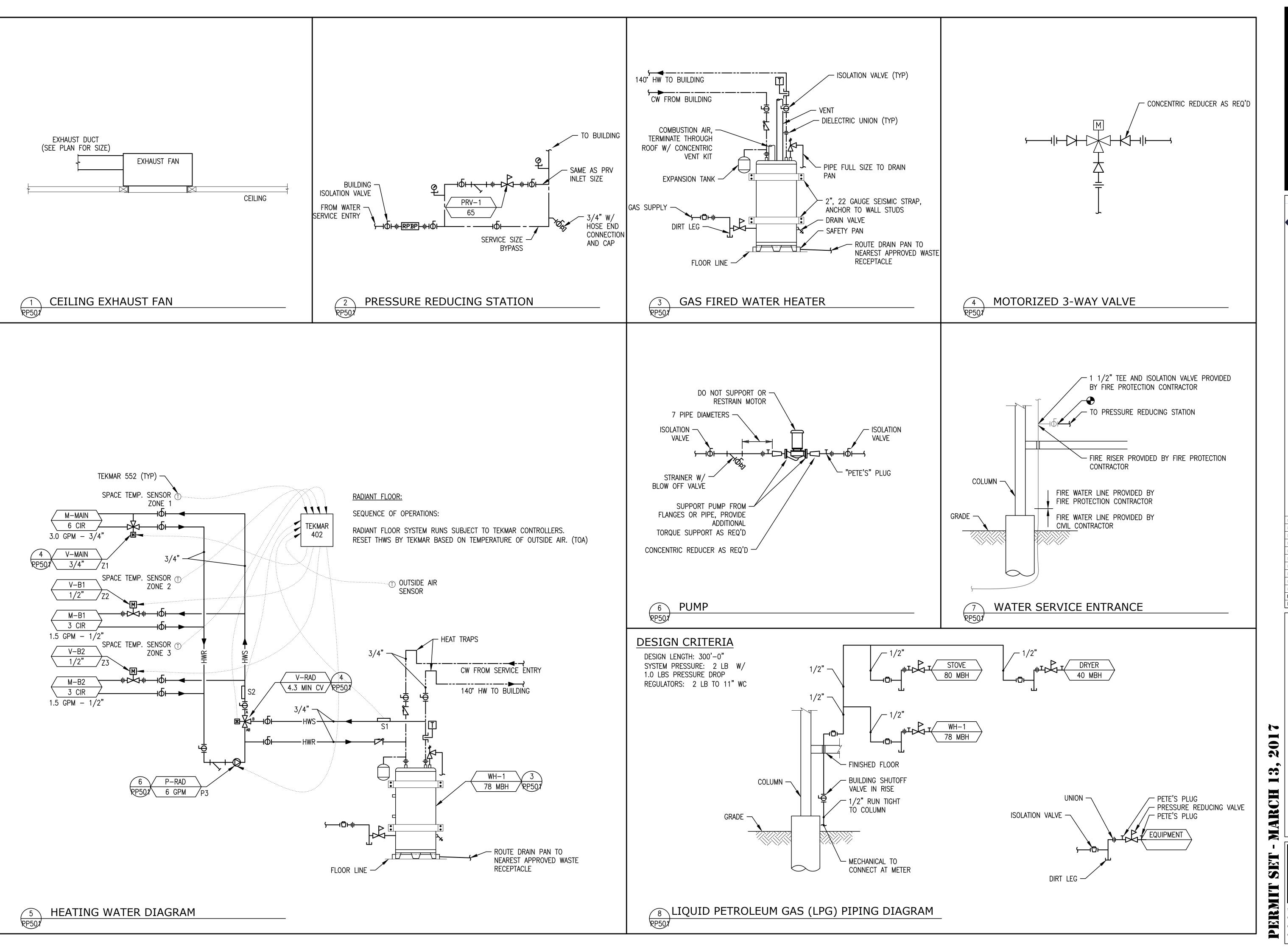
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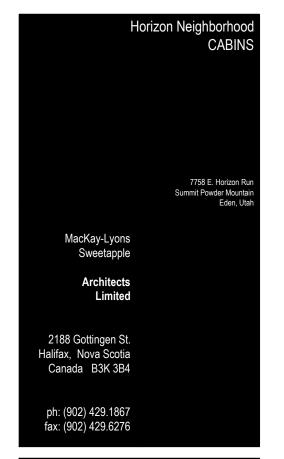
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> FLOOR PLANS - DOMESTIC

scale: AS NOTED drawn: STAFF











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**DETAILS** 

scale: AS NOTED date: 03/13/2017 drawn: STAFF

PRV	' SCH	PRV GPM			
MARK	SIZE	GPM	PD PSI	SETTING	MANUFACTURER MODEL
PRV-1	3/4	20	10	65	WATTS LFN45B

PIPING LEGEND								
SYSTEM	SIZE	MATERIAL	INSULATION	FITTINGS				
UNDERGROUND WASTE AND VENT	ALL	SCHEDULE 40 PVC SOLID CORE	N/A	SOLVENT WELD FITTINGS				
UNDERGROUND WASTE AND VENT	ALL	ABS	N/A	SOLVENT WELD FITTINGS				
ABOVE GROUND WASTE AND VENT	ALL	NO HUB CAST IRON	N/A	NO HUB CAST IRON				
ABOVE GROUND WASTE AND VENT	ALL	ABS/SCHEDULE 40 PVC SOLID CORE	N/A	SOLVENT WELD FITTINGS				
DOMESTIC HOT AND RECIRC	ALL	TYPE "L" COPPER	1" FIBERGLASS	PRO-PRESS FITTINGS				
DOMESTIC HOT AND RECIRC	ALL	PEX-A	1" FIBERGLASS	MANUFACTURER'S FITTINGS				
DOMESTIC COLD	ALL	TYPE "L" COPPER	N/A	PRO-PRESS FITTINGS				
DOMESTIC COLD	ALL	PEX-A	N/A	MANUFACTURER'S FITTINGS				
ABOVE GROUND HEATING WATER	2 1/2" -	SCHEDULE 40 STEEL	1" FIBERGLASS	WELDED OR GROVED FITTINGS				
ABOVE GROUND HEATING WATER	1/2" -	SCHEDULE 40 STEEL	1" FIBERGLASS	MEGA-PRESS OR THREADED FITTINGS				
ABOVE GROUND HEATING WATER	ALL	PEX-A W/ OXYGEN BARRIER	1" FIBERGLASS	MANUFACTURER'S FITTINGS				
ABOVE GROUND HEATING WATER	2 1/2" - 4"	TYPE "L" COPPER	1" FIBERGLASS	PROPRESS FITTINGS				
ABOVE GROUND HEATING WATER	1 1/4" -	TYPE "L" COPPER	1" FIBERGLASS	PROPRESS FITTINGS				
ABOVE GROUND HEATING WATER	1/2" – 1"	TYPE "L" COPPER	1" FIBERGLASS	PROPRESS FITTINGS				

NEW VALVE SCHEDULE (V)								
MARK	SYSTEM SERVED	FLOW GPM	CONFIG.	CONNECTION SIZE	REMARKS			
V-RAD	RADIANT FLOOR SYSTEM	6	3-WAY	3/4"	4.3 MINIMUM CV			
V-MAIN	RADIANT FLOOR ZONE MAIN	3	3-WAY	3/4"				
V-B1	RADIANT FLOOR MANIFOLD B1	1.5	2-WAY	1/2"				
V-B2	RADIANT FLOOR MANIFOLD B2	1.5	2-WAY	1/2"				

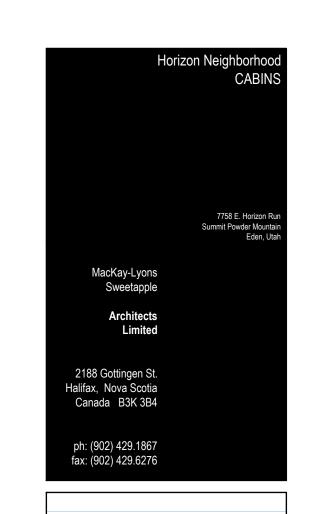
PLUMBING FIXTURE SCHEDULE								SCHEDULE
MARK	FIXTURE	WASTE	RO TRAP	UGH IN SI	IZE HW	CW	MANUFACTURER	REMARKS
		IN	IN	IN	İN	IN	MODEL	
WC-1	WATER CLOSET, FLOOR MOUNTED, TANK TYPE	3	2	2	N/A	1/2	DURAVIT 2125010000 STARCK 3	WHITE VITREOUS CHINA, TWO-PIECE TOILET, 1.28 GPF, 12" ROUGH-IN, 3" FLUSH VALVE, 15-3/4" FLOOR TO RIM, ELONGATED BOWL, W/ DURAVIT SEAT AND COVER #00633900, CHROMED QUARTER TURNED ANGLE STOP AND CHROMED BRASS SUPPLY.
LAV-1	LAVATORY AND FAUCET	2	1 1/4	2	1/2	1/2	DURAVIT 070350.00 LAVATORY WITH HANGSGROHE 32146001 FAUCET	VITREOUS CHINA, 19 5/8" X 9 7/8" X 4-1/8"D, SINGLE CONTROL FAUCET, CHROMED QUARTER TURNED ANGLE STOPS, CHROMED BRASS SUPPLIES, CHROMED BRASS "P" TRAP, AND ASSE 1070 COMPLIANT WATER TEMPERATURE LIMITING DEVICE, SET TO 110°F.
LAV-2	UNDERCOUNTER BASIN AND SINGLE CONTROL FAUCET	2	1 1/4	2	1/2	1/2	DURAVIT 033048.00 LAVATORY WITH HANGSGROHE 32146001 FAUCET	VITREOUS CHINA, 19 1/8" X 12 3/8" X 6-1/4"D, SINGLE CONTROL FAUCET, CHROMED QUARTER TURNED ANGLE STOPS, CHROMED BRASS SUPPLIES, CHROMED BRASS "P" TRAP, AND ASSE 1070 COMPLIANT WATER TEMPERATURE LIMITING DEVICE, SET TO 110°F.
BATH-1	RECTANGLE TUB WITH FAUCET	2	2	2	1/2	1/2	KOHLER K-1130 BATH WITH HANGSGROHE 38410001 FAUCET	RECTANGLE 5'-0", DROP-IN INSTALLATION, ARCHER BATH DRAIN K-7272, CHROMED QUARTER TURNED ANGLE STOPS, CHROMED BRASS SUPPLIES, CHROMED BRASS "P" TRAP, ASSE 1070 COMPLIANT WATER TEMPERATURE LIMITING DEVICE, SET TO 110°F.
SH-1	SHOWER VALVE	2	2	2	1/2	1/2	HANSGROHE ECOSTAT S PRESSURE BALANCE TRIM WITH DIVERTER AND RAINDANCE S 150 AIR 3-JET SHOEWRHEAD	PRESSURE BALANCED SHOWER VALVE W/INTEGRAL SERVICE STOPS, 4.5 GPM, TEMPERATURE AND ON/OFF CONTROLS FOR 2 OUTLETS, REQUIRED ACCESSORIES: IBOX UNIVERSAL PLUS ROUGH WITH SERVICE STOPS. RAINDANCE S 150 AIR 3-JET SHOWERHEAD, SHOWERHEAD FLOW 2.5 GPM, STANDARD SHOWERARM 6" AND ASSE 1070 COMPLIANT WATER TEMPERATURE LIMITING DEVICE, SET TO 110°F.
SINK-1	SINK, SINGLE COMPARTMENT, STAINLESS STEEL, UNDER COUNTER MOUNTED, W/ GOOSENECK FAUCET AND DISPOSAL	2	1 1/2	2	1/2	1/2	FRANKE FCUX11027 HANSGROHE TALIS S FAUCET IN-SINK-ERATOR BADGER 5 DISPOSAL	STAINLESS STEEL UNDER COUNTER SINK, GOOSENECK FAUCET, CHROMED QUARTER TURNED ANGLE STOPS, CHROMED BRASS SUPPLIES, CHROMED BRASS "P" TRAP. INSINKERATOR MODEL BADGER 5 W/ 1/2 HP, 120 VOLT, SINGLE PHASE DISPOSAL MOTOR AND 36" POWER CHORD W/ 3 PRONG PLUG. PROVIDE DISHWASHER CONNECTION AND HW QUARTER TURNED BALL VALVE STOP, AND ASSE 1070 COMPLIANT WATER TEMPERATURE LIMITING DEVICE, SET TO 110°F.
ICE-1	ICE WALL BOX	N/A	N/A	N/A	N/A	1/2	OATEY 039136	NO LEAD, 4X4 PLASTIC OUTLET BOX OUTLET BOX AND QUARTER TURNED ANGLE STOP.
WWB-1	WASHING MACHINE WALL BOX	2	2	2	1/2	1/2	IPS 182056	NO LEAD, WASHING MACHINE OUTLET BOX W/ MINI-RESTER WATER HAMMER ARRESTERS.
WH-1	NON-FREEZE WALL HYDRANT	N/A	N/A	N/A	N/A	3/4	WOODFORD MODEL 17	EXPOSED ANTI-SYPHON NON-FREEZE WALL HYDRANT W/ INTEGRAL BACK FLOW PREVENTER OPERATOR, 3/4" MALE HOSE CONNECTION AND POLISHED BRONZE FINISH.
FD-1	FLOOR DRAIN	Х	Х	X/2 2" MIN	N/A	N/A	PROFLO PF42800	CAST IRON BODY, ADJUSTABLE NICKEL BRONZE STRAINER ASSEMBLY, MEMBRANE CLAMP, WEEP HOLES, AND TRAP PRIMER CONNECTION.
DD-1	DECK DRAIN	X	N/A	N/A	N/A	N/A	ZURN RD2120-AB2-C	ABS BODY COMPLETE WITH STEEL-THREADED INSERTS FOR INCREASED STRENGTH AND LONGEVITY. STANDARD TO THE ABS ROOF DRAIN IS A CAST IRON CLAMP DEVICE WITH AN INTEGRAL GRAVEL GUARD. REMOVE DOME STRAINER. INSTALL WATERPROOF MEMBRANE.

	LPG FIRED WATER HEATER SCHEDULE (WH)												WH GAL				
MARK	INPUT MBH	OUT. MBH	EFF. %	FUEL	TANK GAL	REC. GPH	TEMP. RISE °F	OPER. TEMP. °F	FL D IN	UE TYPE	D IN	DIMENSION H IN	S WT LBS	ELECT VOLT/ PHASE	RICAL AMP	MANUFACTURER MODEL	REMARKS
WH-1	78	63	80	LPG	55	84	90	140	4	TYPE "B"	22	60	650	N/A	N/A	BRADFORDWHITE RG155H6X	W/ AMTROL ST-5-C EXPANSION TANK

	EXHAUST FAN SCHEDULE (EF)													EF CFM	
				ESP			М	OTOR				IPER CONTROL	OPENING SIZE IN	MANUFACTURER MODEL	REMARKS
MARK	AREA SERVED	TYPE	CFM	(IN WC)	FAN RPM	RPM	BHP	HP	VOLT /PHASE	SONES	DAMPER				
EF-1	BATHROOM 1	CEILING	75	0.5	1200	1200	69 WATT	N/A	120/1ø	3.9	GRAVITY	WALL SWITCH	N/A	COOK GC-162	NOTE 1
EF-2	BATHROOM 2	CEILING	75	0.5	1200	1200	69 WATT	N/A	120/1ø	3.9	GRAVITY	WALL SWITCH	N/A	COOK GC-162	NOTE 1
EF-3	POWDER ROOM	CEILING	75	0.5	1200	1200	69 WATT	N/A	120/1ø	3.9	GRAVITY	WALL SWITCH	N/A	COOK GC-162	NOTE 1

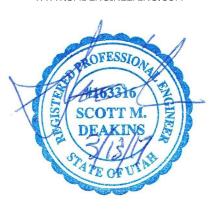
NOTE 1: PROVIDE 6" PAINTABLE WALL CAP WITH INTEGRAL BACKDRAFT DAMPER.

MANIFOLD SCHEDULE (M) (M) GPM									
MARK	SYSTEM SERVED	GPM/CIRC	FLOW GPM	CIRCUITS/ SIZE					
M-MAIN	MAIN FLOOR	0.5	3	6 - 3/4"					
M-BD1	BEDROOM 1	0.5	1.5	3 - 3/4"					
M-BD2	BEDROOM 2	0.5	1.5	3 - 3/4"					









No.	Description	Date
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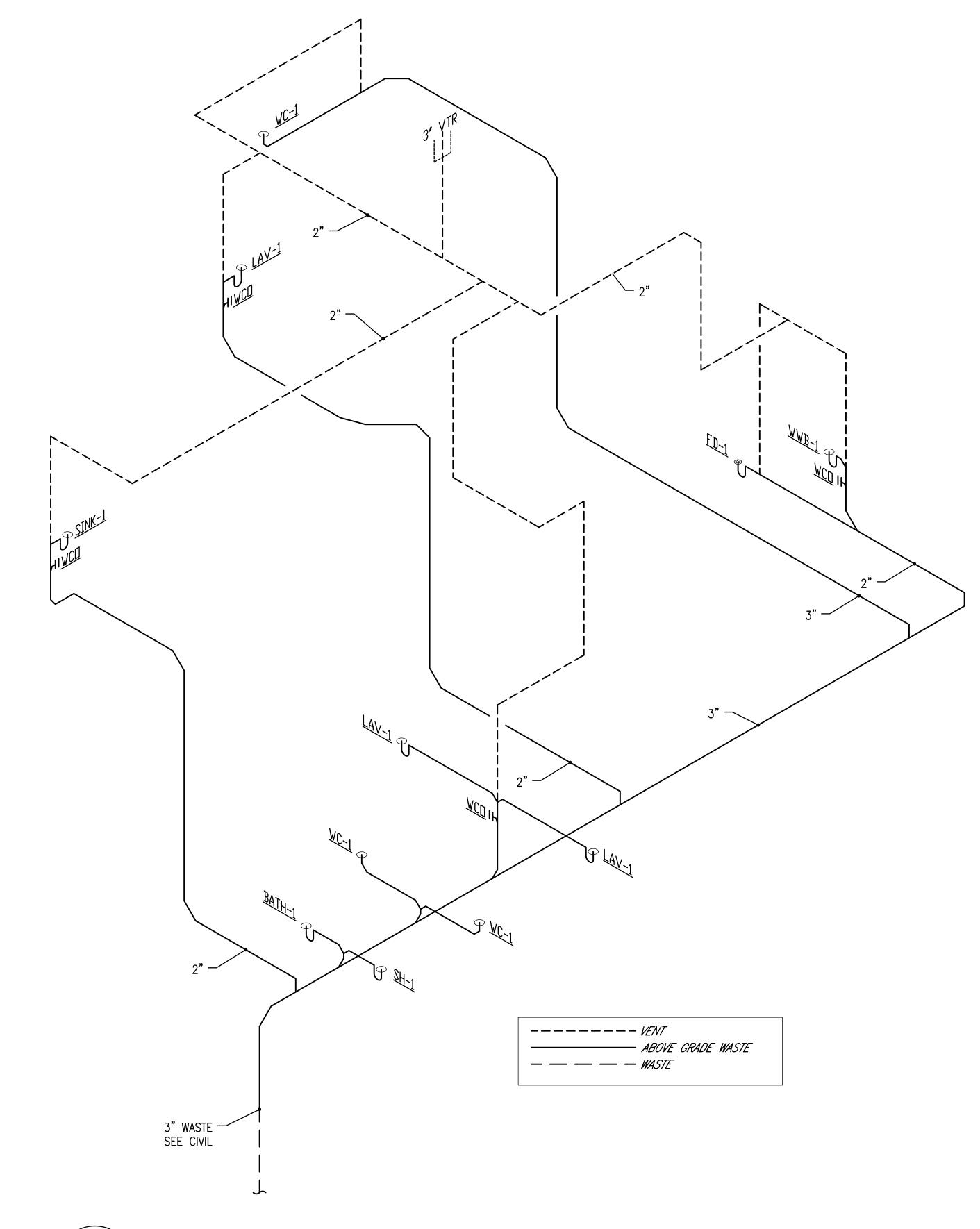
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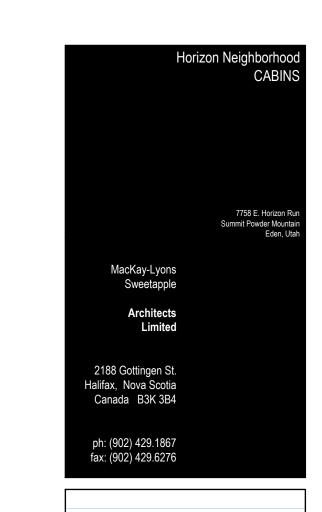
SCHEDULES

scale: AS NOTED date: 03/13/2017

drawn: STAFF



1 1000 SF - PLUMBING WASTE AND VENT ISOMETRIC PP901 BUILDINGS 13, 16, 19, 26, 27









	Description sion:	Date
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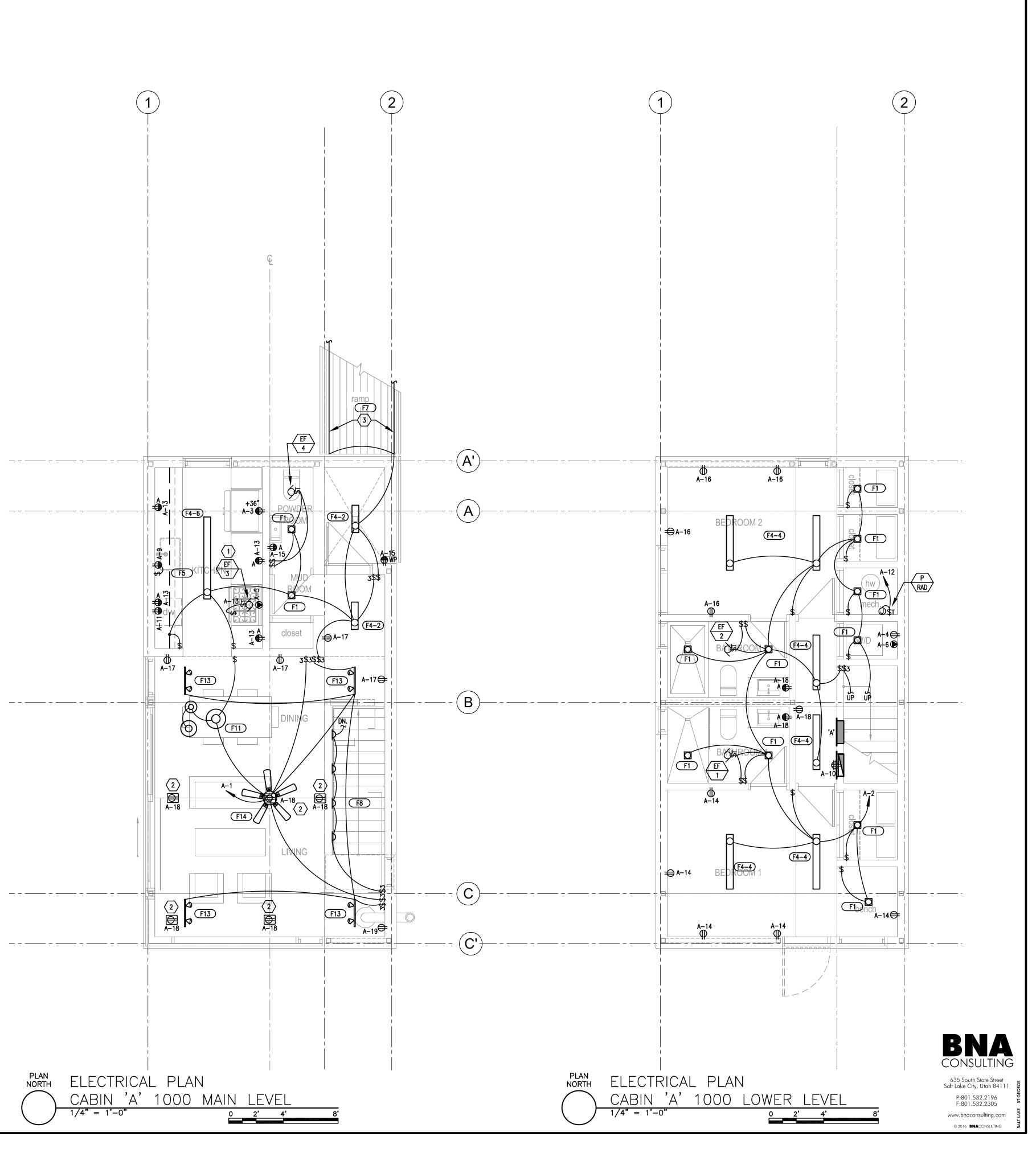
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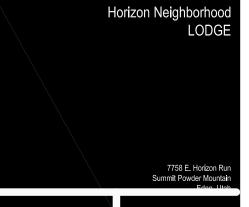
**ISOMETRIC** 

scale: AS NOTED

TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	VOLTS	TOTAL WATTS	LAMPS
F1	4" SQUARE LED DOWN LIGHT 0-10V DIMMING STANDARD SATIN NICKEL TRIM	HALO	H457ICAT1E-EL406930-TLS408SNBB	120	13	LAMP: LED (INCLUDE LUMENS: 600, CCT: 3000° K,
F2	WALL MOUNT LED ALUMINUM CONSTRUCTION - FROSTED GLASS - CAST GUARD	BASELITE	W1-FR-CG-SCBA-20W	120	20	LAMP. LED (INCLUDE
F3	SURFACE MOUNTED LED CURVED FRONT	ARTEMIDE	USC-RDLC-2-B-9-30-08-SCBA	120	32	LAMP: LED (INCLUDE LUMENS: CCT:3000K 90 CRI
F4-2	2 FOOT LONG RECESSED LINEAR LED 0-10V DIMMING STANDARD TRIMLESS WITH FLUSH SATIN ACRYLIC LENS	NULITE	RT4-06-L30-UNV-D-1C-FRF-WH-2	120	13	LAMP: LED (INCLUDE LUMENS: 1450 CCT:3000K 80 CRI
F4-4	4 FOOT LONG RECESSED LINEAR LED 0-10V DIMMING STANDARD TRIMLESS WITH FLUSH SATIN ACRYLIC LENS	NULITE	RT4-06-L30-UNV-D-1C-FRF-WH-4	UNV	26	LAMP: LED (INCLUDE LUMENS: 2897 CCT: 3000° K, 80 CRI
F4-8	8 FOOT LONG RECESSED LINEAR LED 0-10V DIMMING STANDARD TRIMLESS WITH FLUSH SATIN ACRYLIC LENS	NULITE	RT4-06-L30-UNV-D-1C-FRF-WH-8	UNV	52	LAMP: LED (INCLUDE LUMENS: 5792 CCT: 3000° K, 80 CRI
F4-12	12 FOOT LONG RECESSED LINEAR LED 0-10V DIMMING STANDARD TRIMLESS WITH FLUSH SATIN ACRYLIC LENS	NULITE	RT4-06-L30-UNV-D-1C-FRF-WH-12	UNV	77	LAMP: LED (INCLUDE LUMENS: 8688 CCT: 3000° K, 80 CRI
F5	LED UNDERCABINET TO BE DETERMINED					LAMP: LED (INCLUDE LUMENS: 1300 CCT: 3000° K,
F6	LED PENDANT FIXTURE WITH 47" CORDS	ARTEMIDE	TALO 90 - 1922028A	120	39	LAMP: LED (INCLUDE LUMENS: 3341 CCT: 3000° K, 80 CRI
F7	WET LOCATION RATED LED TAPE LIGHT MOUNTED IN ALUMINUM EXTRUSION 300 WATT EXTERIOR RATED POWER SUPPLY AT EXTERIOR ENTRY RAMP	Q-TRAN	IQ67-30-35-90-3.2-35 IQA-45DW-RD-FINISH-DF-35 QOM-300ST-120/24-1X15-CK-S	120/24	3.2 / FT	LAMP: LED (INCLUDE LUMENS:254 / FT CCT: 3000° K,
F8	RECESSED LED STEP LIGHT	WHITEGOODS	WG-B100SCFW-CL-830-608-UNV-S	120	6.24	LAMP: LED (INCLUDE LUMENS:608, CCT: 3000° K, 80 CRI
F9	NOT USED					
F10	J-BOX MOUNTED LED DOWNLIGHT	HALO	SLD606930WHJB	120	12.2	LAMP: LED (INCLUDE LUMENS:780 CCT: 3000° K,
F11	LED PENDANT FIXTURE WITH LED LAMP	ARTEMIDE	SPHERA - RD211110	120		LAMP: LED (INCLUDE LUMENS:608, CCT: 3000° K, 80 CRI
F12	LED PENDANT FIXTURE WITH 63" CORDS	ARTEMIDE	TALO 90 - 1922028A	120	39	LAMP: LED (INCLUDE LUMENS: 3341 CCT: 3000° K, 80 CRI
F13	CEILING MOUNTED TRACK WITH TWO LED FIXTURES DIFFUSION SPREAD LENS	HALO	L80815FL9030AH LNC2-DSL L650AH / L901AH	120	21 EACH	LAMP: LED (INCLUDI LUMENS: 1506 EAC CCT: 3000° K, 90 CRI
F14	CEILING PADDLE FAN SATIN NICKEL FINISH	CONCORD	CF52873-53 / 52SKY3ESN	120		STATE TO T

PANEL A			TYPE		]		120	240	VOL	TS	1	PH	_3_ <b>W</b>
MOUNTING		DIME	NSIOI	NS	LC	CATION		CABIN	А				LUGS BREAKER
FLUSH SURFACE					W D (in.) H		AMP	2	200		M	IAINS	SUBFEED LUGS ISO GROUND 200% NEUTRAL SPD
					BR	ANCH E	BREAKE	RS					
			WIRE	CIR.		E LOAD			CIR.		1	WIRE	
ITEM	AMPS	POLE	SIZE	NO.	Α	В	Α	В	NO.	AMPS	POLE	SIZE	ITEM
LIGHTING MAIN	20	1	12	1	350		475		2	20	1	12	LIGHTING LOWER
REFRIGERATOR	20	1	12	3		1500		1400	4	20	1	12	WASHER
RANGE	50	2	6	5	4000		2500		6	30	2	10	DRYER
gi		121	72	7		4000		2500	8	-	2	-	-
DISPOSAL	20	1	12	9	1200		500		10	20	1	12	DATA BOARD
DISH WASHER	20	1	12	11	7	1200		500	12	20	1	12	P-RAD
RECEPTALCES KITCHEN *	20	1	12	13	800		900		14	20	1	12	RECEPTACLES BEDROOM 1 *
RECEPTA CLES BATH	20	1	12	15		360		720	16	20	1	12	RECEPTACLES BEDROOM 2 *
RECEPTA CLES	20	1	12	17	720		1080	V .	18	20	1	12	RECEPTACLES FLOOR
RECEPTA CLES	20	1	12	19		720			20	20	1		SPARE
HEAT TAPE	20	1		21					22	20	1		SPARE
SPARE	20	1		23					24	20	1		SPARE
SPARE	20	1		25					26				SPACE ONLY
SPARE	20	1		27					28				SPACE ONLY
SPARE	20	1		29					30				SPACE ONLY
SPARE	20	1		31					32				SPACE ONLY
SPACE ONLY				33					34				SPACE ONLY
SPACE ONLY				35					36				SPACE ONLY
SPACE ONLY				37					38				SPACE ONLY
SPACE ONLY				39					40				SPACE ONLY
SPACE ONLY				41				23	42				SPACE ONLY
* ARC FAULT BREAKER					7070	7780	5455	5120					
					12525	12900	TOTAL AMPS/F					CONN	IECTED LOAD TOTAL



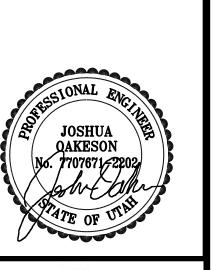


SHEET KEYNOTES

 $\overline{1}$  coordinate hood fan control location with kitchen hood installer.

FLOOR MOUNTED RECEPTACLES MUST BE LISTED FOR FLOOR MOUNTED AND FACE UP APPLICATION.







##		##XXX####
##		##XXX####
No.	Description	Date
Revi	sion:	•

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ARCHITECT'S REQUIREMENTS AND APPROVALS It is the Builder's responsibility to notify MacKay-Lyd Sweetapple Architects Ltd. and to seek prior written approval for materials and workmanship which deviates

ENGINEER'S REQUIREMENTS AND APPROVALS: It is the Builder's responsibility to notify MacKay-Lyor Sweetapple Architects Ltd. and to seek prior written approval for materials and workmanship which deviate

rom instructions provided by the Architect.

rom 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 of 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

1000 MAIN & LOWER LEVEL

scale: SEE GRAPH date: 16-07-01