

ER CABIN
IGHBORHOOD

wder Mountain

BUILDER

Address
Park City, Utah 84098

Drawing Date 7-17-2019

Scale 1/4" = 1' -0"

Title/No.

Designer: MacKay-Lyons Sweetapple

Architects Ltd.

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Scale 1/4" = 1' -0"

Title/No.

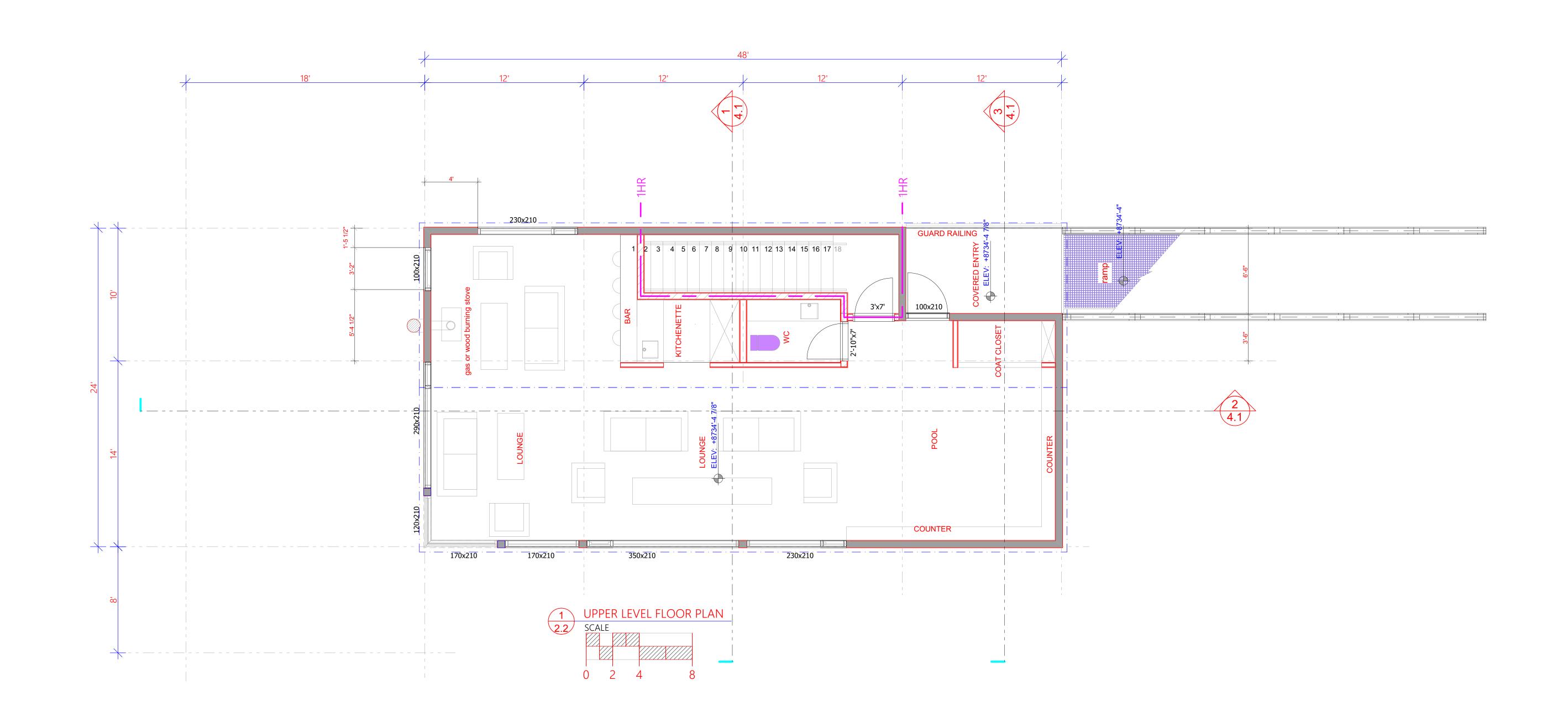
UPPER LEVEL

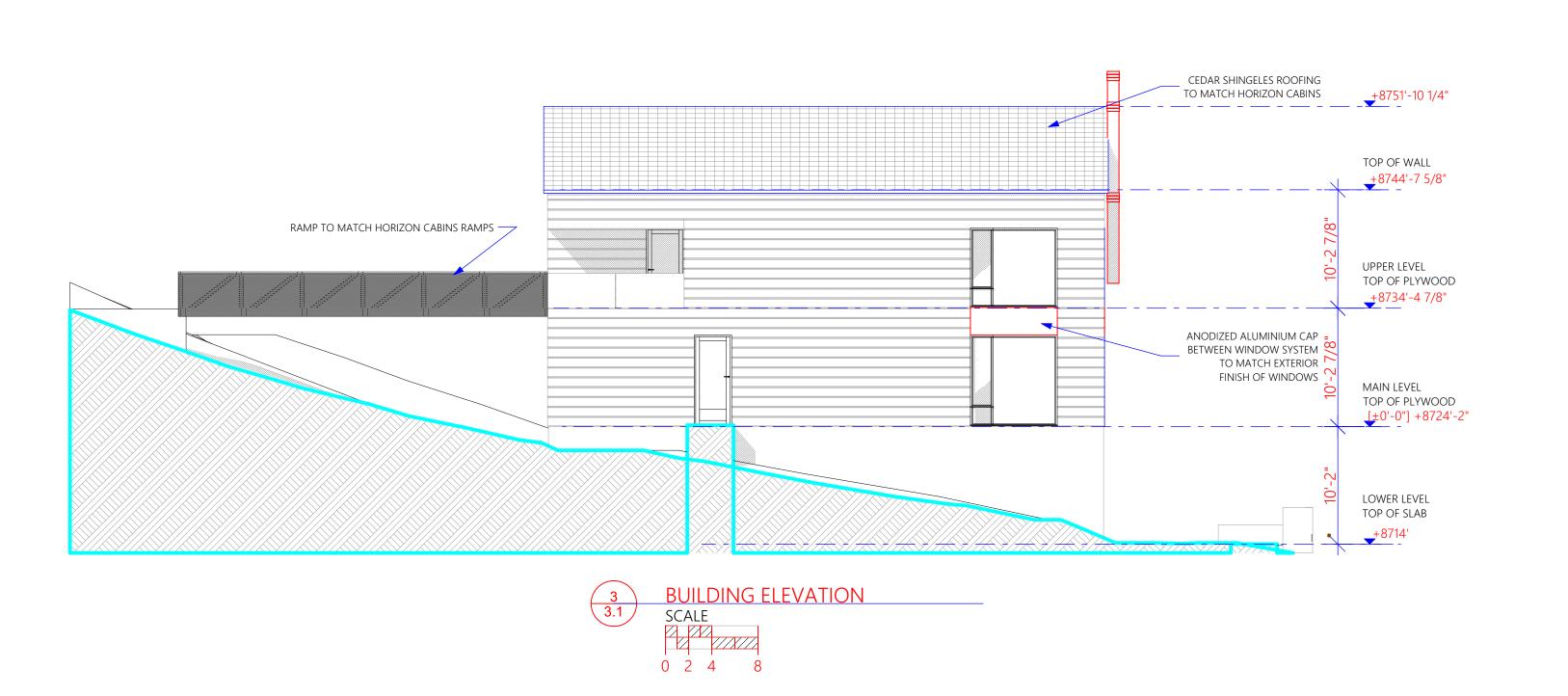
FLOOR PLAN

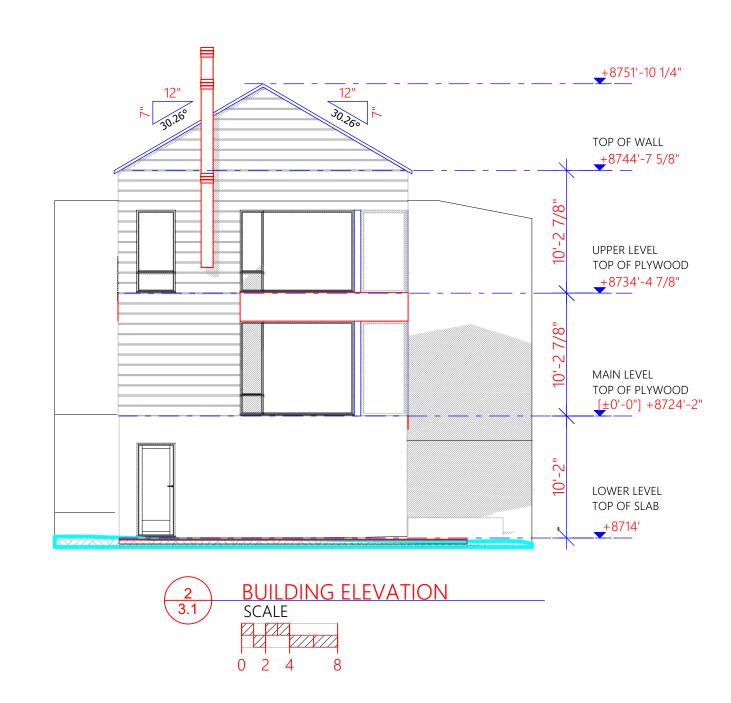
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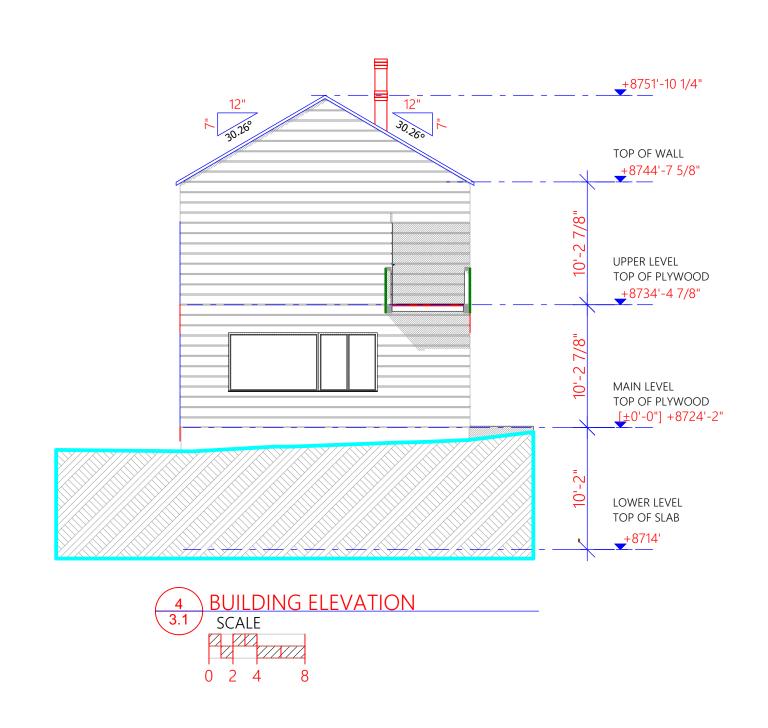
Signature and Date

2 :









CANDINAVIA

Phone 435-513-0355 Project No. Cad File

PIONEER CABIN
HORIZON NEIGHBORHOOD
Summit Powder Mountain
Horizon Run Road, Eden, Utah

BUILDER Company Name

Park City, Utah 84098

7-17-2019

Designer:

Sweetapple Architects Ltd.

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MacKay-Lyons

BUILDING ELEVATIONS
BUILDER/ DEALER'S APPROVAL: Signature and Date

3.1

<u>ROOF 1</u> - 'CLASS B' FIRE RETARDANT PERSSURE TREATED CEDAR SHINGELES ROOFING - SELF-ADHERING SHEET ROOF MEMBRANE UNDERLAYMENT - PLYWOOD 5/8" OSB - TRUSSES @24"O.C. (typ.) SEE ROOF FRAMING PLAN \*R-49 2LB. CLOSED CELL SPRAYFOAM

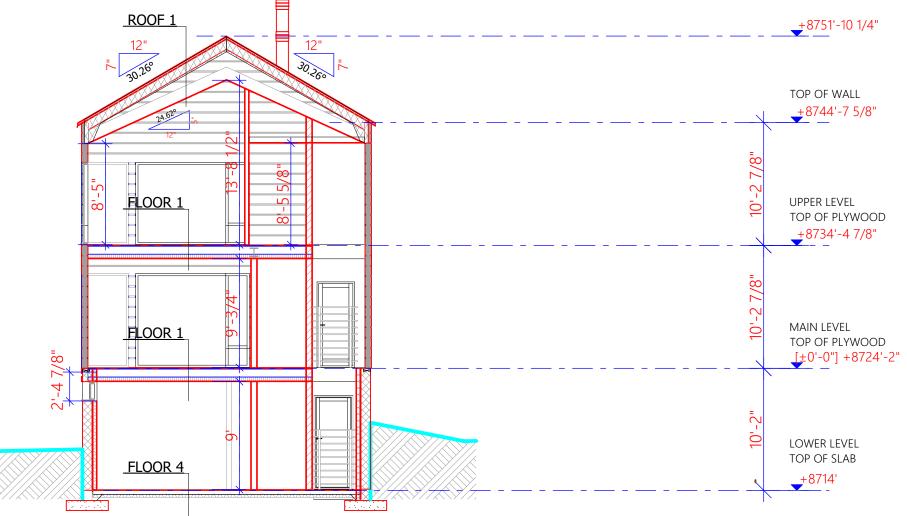
INSULATION (VAPOR RETARDER)

- 3/4" SHIPLAP WOOD CLADDING

- 'CLASS B' FIRE RETARDANT PERSSURE TREATED CEDAR SHINGELES ROOFING - SELF-ADHERING SHEET ROOF MEMBRANE UNDERLAYMENT - PLYWOOD 5/8" OSB

- TRUSSES @24"O.C. (typ.) SEE ROOF FRAMING PLAN - 2X4 CEILING

- 5/8" TYPE X GYPSUM SHEATHING - VAPOR PERMEABLE WEATHER BARRIER - 3/4" SHIPLAP WOOD CLADDING



#### FLOOR 1 - FLOORING

- 1 1/2 CONCRETE TOPPING W/ IN-FLOOR HEATING - 3/4" OSB PLYWOOD SUBFLOOR

- TJI 230 JOISTS @16"O.C. (typ.)

\* SOUND INSULATION - WOOD FURRING AS REQUIRED

- 3/4" SHIPLAP WOOD CLADDING

#### FLOOR 2 - FLOORING

- 1 1/2 CONCRETE TOPPING W/ IN-FLOOR HEATING

- 3/4" OSB PLYWOOD SUBFLOOR - TJI 230 JOISTS @16"O.C. (typ.)

\* SOUND INSULATION - 3/4" SHIPLAP WOOD CLADDING

#### FLOOR 3

- PALLETIZED WOOD DECK SYSTEM

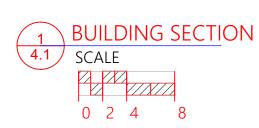
- 1/4" -1/4" WONDER BOARD & WATERPROOFING MEMBRANE - 3/4" OSB PLYWOOD SUBFLOOR (SLOPE TO DRAIN, MIN. 2%) - TJI 230 JOISTS @16"O.C. (typ.)

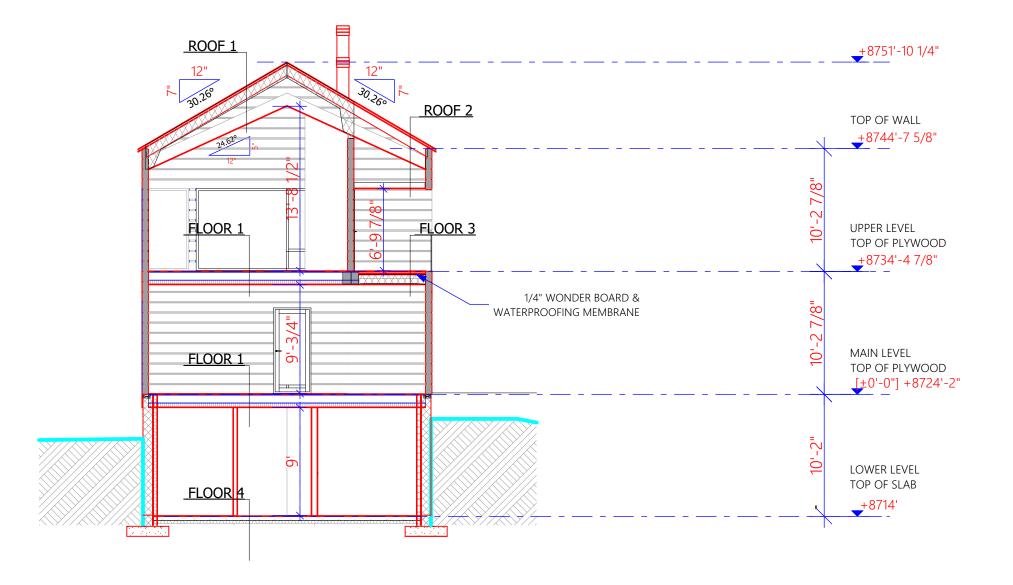
\*R-49 2LB. CLOSED CELL SPRAYFOAM INSULATION (VAPOR

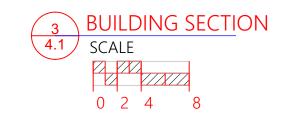
RETARDER) - 3/4" SHIPLAP WOOD CLADDING

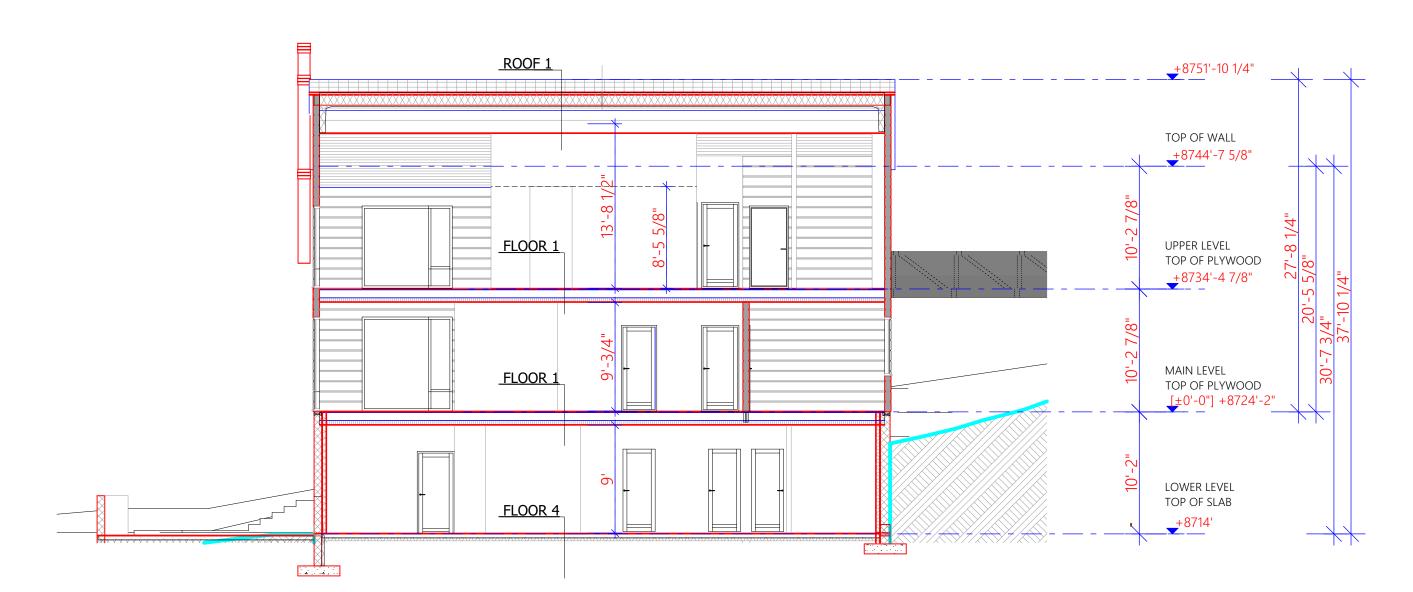
## FLOOR 4

- FLOORING -4" REINFORCED CONC. SLAB (WELDED WIRE FABRIC) -6-MIL POLYETHENE VAPOR BARRIER - R-15 RIGID INSULATION 2" MINIMUM -COMPACTED GRANUAL BASE COURSE









BUILDING SECTION
4.1 SCALE
0 2 4 8

Designer: MacKay-Lyons Sweetapple Architects Ltd.

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ANDIN, LLC

ARCHITECTURAL OFFICE Company Name
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Project No. Cad File

Checked

PIONEER CABIN
HORIZON NEIGHBORHOOD
Summit Powder Mountain
Horizon Run Road, Eden, Utah

BUILDER

Park City, Utah 84098

BUILDING SECTIONS
BUILDER/ DEALER'S APPROVAL: Signature and Date

4.1

IMPORTANCE FACTOR EXPOSURE COEFFICIENT C. SEISMIC CRITERIA MAIN STRUCTURE: (IBC 2018 /ASCE 7 -16)

RISK CATECORY II (Table 1604.5) SEISMIC DESIGN CATEGORY D (Table 1613.3.5 1,2) SITE CLASS D (Geotech Report) IMPORTANCE FACTOR, I<sub>E</sub> 1.00 (Table 1.5-2)

#### DESIGN STRENGTHS:

A. CONCRETE: CLASS 28 DAYS (PSI) TYPE LOCATION 4000 STD. WT. INTERIOR SLABS STD. WT. AIR-ENTRAINED SLABS & WALLS 4000 3000 STD. WT. FOOTINGS

B. REINFORCEMENT FY = 60,000 PSIC. STRUCTURAL STEEL FY = 50,000 PSID. STRUCTURAL TUBES FY = 46,000 PSI

E. STRUCTURAL PIPES FY = 35,000 PSI

GENERAL

A. NOTES AND DETAILS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES, TYPICAL DETAILS AND SPECIFICATIONS.

B. CONTRACTOR SHALL COMPARE ALL DIMENSIONS AND CONDITIONS ON DRAWINGS AND AT SITE, ALL OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE THE ARCHITECT AND/OR STRUCTURAL ENGINEER BEFORE PROCEEDING WITH ANY WORK INVOLVED. IN CASE OF CONFLICT, FOLLOW THE MOST STRINGENT REQUIREMENT AS DIRECTED BY THE DESIGNER WITHOUT ADDITIONAL COST TO THE OWNER.

ALL DETAILS, SECTIONS, AND NOTES SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR SITUATIONS ELSEWHERE UNLESS NOTED OR

SHORING AND BRACING REQUIREMENTS: A. FLOOR AND ROOF STRUCTURES -- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR THE METHOD AND SEQUENCE OF ALL STRUCTURAL ERECTION, HE SHALL PROVIDE TEMPORARY SHORING AND BRACING AS HIS METHOD OF ERECTION REQUIRES TO PROVIDE ADEQUATE VERTICAL AND LATERAL SUPPORT. SHORING AND BRACING SHALI REMAIN IN PLACE AS THE CHOSEN METHOD REQUIRES UNTIL ALL PERMANENT MEMBERS ARE IN PLACE AND ALL FINAL CONNECTIONS ARE COMPLETED, INCLUDING ALL ROOF AND FLOOR ATTACHMENTS. THE BUILDING SHALL NOT BE CONSIDERED STABLE UNTIL ALL CONNECTIONS ARE COMPLETE. B. WALLS ABOVE GRADE SHALL BE BRACED UNTIL THE STRUCTURAL SYSTEM IS COMPLETE. WALLS ARE NOT SELF SUPPORTING.

IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO COORDINATE WITH ALL TRADES ANY AND ALL ITEMS THAT ARE TO BE INTEGRATED INTO THE STRUCTURAL SYSTEM, OPENINGS OR PENETRATIONS THROUGH, OR ATTACHMENTS TO THE STRUCTURAL SYSTEM THAT ARE NOT INDICATED ON THESE DRAWINGS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND SHALL BE COORDINATED WITH THE ARCHITECT/ENGINEER, THE ORDER OF CONSTRUCTION IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. IT IS THE CONTRACTOR'S OBLIGATION TO PROVIDE ITEMS

OBSERVATION VISITS TO THE SITE BY THE ENGINEER OR THIER REPRESENTATIVES SHALL NOT BE CONSTRUED AS INSPECTION NOR APPROVAL OF CONSTRUCTION.

G. ALL CONSTRUCTION AND INSPECTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE IBC. THE CONTRACTOR SHALL COORDINATE ALL REOUIRED INSPECTIONS AND SHALL NOT PROCEED WITH THE WORK INVOLVED UNTIL THE INSPECTIONS HAVE BEEN DONE.

H. ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF THE IBC.

THE CONTRACTOR MUST SUBMIT A WRITTEN REQUEST FOR, AND OBTAIN THE ARCHITECT'S AND/OR THE STRUCTURAL ENGINEER'S WRITTEN PRIOR APPROVAL FOR ALL CHANGES, MODIFICATIONS, OMMISIONS AND/OR SUBSTITUTIONS.

THE CONTRACTOR SHALL COORDINATE AND VERIFY ALL DIMENSIONS AND ELEVATIONS DWN ON STRUCTURAL DRAWINGS AND ARCHITECTURAL DRAWINGS WITH SITE CONDITIONS.

SEE THE ARCHITECTURAL DRAWINGS FOR DIMENSIONS, DOORS, WINDOWS, NON-BEARING INTERIOR AND EXTERIOR WALLS, ELEVATIONS, SLOPES, STAIRS, CURBS, DRAINS, RECESSES, DEPRESSIONS, RAILINGS, WATERPROOFING, FINISHES, CHAMFERS, KERFS, ETC.

M. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SAFETY AND PROTECTION IN AND

N. CONTRACTOR MUST FIELD VERIFY ALL EXISTING CONDITIONS TO MATCH DETAILS SHOWN ON DRAWINGS.u IF ANY CONFLICTING CONDITIONS ARISE DURING CONSTRUCTION, CONTRACTOR SHALL NOTIFY DESIGNER BEFORE PROCEEDING WITH FABRICATION OR

P. THERMAL OR MOISTURE PROTECTION, FURNISHINGS, DOORS, WINDOWS. EQUIPMENT, MECHANICAL, ELECTRICAL, FINISHES, SIDING, PANELING, VENEERS ARE NOT

## FOUNDATION NOTES

**STAIRS:** 

5/8"

WALL

STATRWAY

BELOW.

36". R311.4.3

IS 4 3/8". R312.2, EX 2

ALLOWABLE SOIL PRESSURE USED IN DESIGN = 1500 PSF. (ASSUMED) AND TO BE IELD VERIFIED AS REQUIRED PER THE CITY BY A LICENSED GEOTECHNICAL ENGINEER BEFORE PLACING CONCRETE. D. WHERE A STEEL BEAM TO BEAM CONNECTION IS NOT SHOWN, PROVIDE AN AISC 2. ALL FOOTINGS SHALL BEAR 18" MINIMUM INTO ORIGINAL UNDISTURBED EARTH OR

ON ENGINEERED FILL COMPACTED TO 95% OF MAXIMUM RELATIVE DENSITY BASED ON

THE STAIRS MUST PROVIDE A REQUIRED MINIMUM WIDTH OF 36" ABOVE

AND NOT LESS THAN 31.5" CLEAR MINIMUM WIDTH AT AND BELOW

THE HANDRAIL HEIGHT, INCLUDING TREADS AND LANDINGS. 311.5.1

THE PERMITTED HAND RAIL AND BELOW THE REQUIRED HEADROOM HEIGHT

THE MINIMUM HEADROOM VERTICALLY FROM NOSING LINE IS 6'-8". R311.5.2

THE MAXIMUM RISE OF A STEP IS 8" AND THE MINIMUM RUN IS 9". R311.5.3 STATE AMENDMENT

THE MINIMUM WIDTH OF THE RUN NARROWER END IS 6" AND THE RUN MUST BE 10" AT A POINT

A CONTINUOUS HANDRAIL IS REQUIRED ALONG A STAIRWAY. IT IS REQUIRED TO BE 34"...38"

THE HANDGRIP PORTION OF HANDRAILS SHALL BE NOT LESS THAN 1 1/4" NOR MORE THAN 2

HANDRAILS PROJECTING FROM A WALL SHALL HAVE A MINIMUM SPACE OF 1 1/2" BETWEEN THE

THE MAXIMUM SIZE OF OPENINGS IN THE HANDRAIL / GUARDRAIL ON THE OPEN SIDE OF A

A 36" HIGH GUARDRAIL IS REQUIRED WHERE STEP IS GREATER THAN 30" TO FLOOR OR GRADE

LANDINGS SHALL HAVE A MINIMUM DIMENSION MEASURED IN THE DIRECTION OF TRAVEL OF

ENCLOSED ACCESSIBLE SPACE UNDER STAIRS SHALL HAVE WALLS AND SOFFITS PROTECTED ON

THE SPACING BETWEEN MEMBERS SHALL BE A MAXIMUM OF 40". R312.1

ABOVE THE NOSING OF THE STEPS. ENDS SHALL RETURN OR SHALL TERMINATE IN NEWEL POSTS

ASTM D-1557-70. SUCH FILL SHALL BE PLACED IN LAYERS NOT TO EXCEED 6 INCHES IN DEPTH AFTER COMPACTION. 3. NO FOOTINGS SHALL BE PLACED IN WATER OR ON FROZEN GROUND. 4. EXTERIOR WALL FOOTINGS SHALL BEAR AT A MINIMUM DEPTH OF 3'-6" BELOW

FINISHED EXTERIOR GRADE. 5. DO NOT PLACE BACKFILL AGAINST FOUNDATION WALLS UNTIL BRACING FLOOR IS

IN PLACE OR ADEQUATE SHORING IS INSTALLED.

6. ALL FOUNDATION WALLS ARE 8" THICK UNLESS NOTED OTHERWISE ON PLAN. REFER TO CONCRETE NOTES AND PLANS FOR WALL REINFORCEMENT, TYPE, AND SIZE OF ANCHORS REQUIRED.

OUT FROM THE NARROWER POINT. R311.5.3.2

IN CROSS-SECTIONAL DIMENSION. R311.5.6

AND THE NEAREST PORTION OF THE HANDRAIL. R315

ENCLOSED SIDE WITH 1/2" GYPSUM BOARD. R311.2.2

OR SAFETY TERMINALS. R311.5.6

CONCRETE

1. NO PIPES, DUCTS, SLEEVES, ETC. SHALL BE PLACED IN STRUCTURAL CONCRETE UNLESS SPECIFICALLY DETAILED OR APPROVED BY STRUCTURAL ENGINEER. NO ALUMINUM PRODUCTS SHALL BE EMBEDDED IN CONCRETE. PENETRATIONS TH WALLS WHEN APPROVED SHALL BE BUILT INTO THE WALL PRIOR TO PLACEMENT OF CONCRETE. PENETRATIONS WILL NOT BE ALLOWED IN FOOTINGS OR GRADE BEAMS ESIGNED AND DETAILED AS SEISMIC TIE ELEMENTS. PIPING, ETC. SHOULD BE ROUTED AROUND THESE ELEMENTS AND FOOTINGS STEPPED TO AVOID PIPING. PLUMBING AND ELECTRICAL SLEEVES NOT EXCEEDING 8" IN DIAMETER MAY BE PLACED IN FOUNDATION WALL PROVIDED NO REINFORCING IS CUT AND SLEEVES ARE NOT PLACED CLOSER THAN 36" O.C.,

REFER TO ARCHITECTURAL DRAWINGS FOR MOLDS, GROOVES, ORNAMENTS, ETC. TO BE CAST IN TO CONCRETE, AND FOR EXTENT AND LOCATION OF DEPRESSIONS, CURBS, RAMPS, ETC..

3. UNLESS OTHERWISE NOTED, MAKE ALL CONCRETE SLABS ON EARTH AT LEAST 4"

4. AROUND OPENINGS LARGER THAN 12" IN ANY DIRECTION IN CONCRETE WALLS, ADD (2) #4 BARS ALL SIDES IN ADDITION TO REGULAR WALL REINFORCING AND EXTEN 24" EACH WAY BEYOND OPENING. WHERE 24" IS NOT AVAILABLE, EXTEND BARS AS FAR AS POSSIBLE AND TERMINATE WITH A STANDARD HOOK.

CONSTRUCTION JOINTS NOT SHOWN ON THE PLANS SHALL BE MADE AND LOCATED SO AS TO NOT IMPAIR THE STRENGTH OF THE STRUCTURE AND AS APPROVED BY THE STRUCTURAL ENGINEER. ALL STEEL REINFORCING SHALL BE CONTINUOUS THROUGH COLD JOINTS UNLESS NOTED OTHERWISE. 6. ALL VERTICAL CONCRETE FACES (INCLUDING FOOTINGS) SHALL BE FORMED. FORM

1. ALL REINFORCING BARS SHALL CONFORM TO ASTM STANDARD A-615 GRADE 60 AND ALL WELDED WIRE FABRIC SHALL CONFORM TO ASTM STANDARD A-185 AND SHALL BE SUPPLIED IN FLAT SHEETS. ADEQUATELY TIE AND

SUPPORT ALL REINFORCING STEEL AS SPECIFIED BY ACI 315. TO MAINTAIN EXAC REOUIRED POSITION. ALL FIELD BENT DOWELS SHALL BE BENT ONLY ONCE. REINFORCEMENT SHALL HAVE THE FOLLOWING CONCRETE COVERAGE: CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH......3" EXPOSED TO EARTH OR WEATHER: #6 & LARGER ....... 2", #5 & SMALLER ......1-1/2"

NOT EXPOSED TO WEATHER OR EARTH: SLABS, WALLS, JOISTS, #11 & SMALLER.....3/4" BEAMS, COLUMNS: MAIN REINFORCING OR TIES......1-1/2" PLACE REINFORCING AT CENTER OF SLAB UNLESS INDICATED OTHERWISE.

MATERIALS SHALL BE STRAIGHT AND TRUE.

EXCEPT WHERE NOTED, CONTINUOUS REINFORCEMENT SHALL BE SPLICED AT POINTS OF MINIMUM STRESS BY LAPPING 36 BAR DIAMETERS IN CONCRETE AND 48 BAR DIAMETERS IN MASONRY. 4. ALL VERTICAL REINFORCING SHALL BE DOWELED TO FOOTINGS OR STRUCTURE

BELOW WITH DOWELS TO MATCH. SPLICE LENGTHS SHALL COMPLY WITH NOTE F.3. DOWELS INTO FOOTINGS SHALL TERMINATE WITH A STANDARD HOOK, AND SHALL EXTEND TO WITHIN 4" OF THE BOTTOM OF THE FOOTING, BUT NOT MORE THAN 20"

5. DO NOT WELD REINFORCING EXCEPT AS NOTED ON PLANS. WHERE REINFORCING IS WELDED, USE ASTM A-706 REINFORCING OR FOLLOW UBC STANDARD 26-8. STRUCTURAL STEEL

STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE FOLLOWING: A. STRUCTURAL STEEL FOR BUILDINGS", WITH "COMMENTARY".

AISC "SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF B. AISC "CODE OF STANDARD PRACTICE" EXCLUDING THE FOLLOWING SECTIONS: 1.5.1, 3.3 (FIRST SENTENCE), 4.2, 4.2.1, 4.2.2, 7.5.4, 7.11.5. C. AISI "SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL

2. STRUCTURAL STEEL SHALL COMPLY WITH THE FOLLOWING: SHAPES/PLATES - ASTM A-36 (U.N.O.) TUBES - ASTM A-500, GRADE B (FY = 46 KSI) PIPE COLUMNS - ASTM A-53, GRADE B TYPE E OR S DEFORMED BAR ANCHORS (DBA) - ASTM A-496 HEADED STUD ANCHORS (HSA) - ASTM A-108 WITH ASTM A-563 HEAVY HEX NUT AND HARDENED WASHERS, GRADE A.

3. ALL OPEN WEB STEEL JOISTS AND GIRDERS SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF "STANDARD SPECIFICATIONS AND CODE OF STANDARD PRACTICE" OF THE STEEL JOIST INSTITUTE.

CONNECTIONS SHALL COMPLY WITH THE STRUCTURAL DRAWINGS UNLESS WRITTEN APPROVAL TO CHANGE IS GIVEN BY THE STRUCTURAL ENGINEER. 5. ALL SHOP FABRICATIONS SHALL BE PERFORMED BY AN APPROVED FABRICATOR

A. ALL WELDING AND CUTTING SHALL BE PERFORMED BY AWS CERTIFIED WELDERS.

B. USE E-70XX ELECTRODES UNLESS NOTED OTHERWISE. E60-XX MAY BE USED FOR WELDING STEEL DECKS. C. ALL INTERSECTING STEEL SHAPES WHICH ARE NOT CONNECTED WITH BOLTS SHALL BE WELDED TOGETHER WITH A FILLET WELD ALL AROUND UNLESS OTED OTHERWISE. WHERE WELD SIZES ARE NOT SHOWN USE THE FOLLOWING: 1) WHERE ALL CONNECTED PARTS ARE THICKER THAN 1/4", WELD

SIZE IS 1/16" LESS THAN THE THICKNESS OF THE THINNEST PART. 2) WHERE ANY OF THE CONNECTED PARTS IS LESS THAN 1/4" THICK, WELD SIZE IS SAME AS THICKNESS OF THE THINNEST PART D. WELDING OF HSA'S AND DBA'S SHALL CONFORM TO THE MANUFACTURER'S

REQUIRE THAT SOME WELDS BE FIELD WELDS. WHERE QUESTIONS OR BETWEEN THE SHOP FABRICATOR AND THE STEEL ERECTOR.

A. UNLESS OTHERWISE NOTED, ALL STRUCTURAL STEEL TO STEEL CONNECTIONS SHALL USE HIGH STRENGTH BOLTS CONFORMING TO ASTM A-325. B LINLESS NOTED OTHERWISE ALL BOLTING IS CLASSIFIED AS NON-SLIP CRITICAL TIGHTEN BOLTS TO A SNUG TIGHT CONDITION, WITH ALL PLIES OF THE JOINT

C. AT OVERSIZE AND SLOTTED HOLES, WASHERS SHALL CONFORM TO ASTM F-436 AND COMPLETELY COVER THE HOLE. STANDARD FRAMED CONNECTION SIZED FOR 1/2 OF THE TOTAL LOAD CAPACITY

OF THE BEAM FOR THE SPAN AND STEEL SPECIFIED. FLANGE WIDTH U STIFFENER THICKNESS WELD SIZE < 8 1/4" 8 1/4" < BF < 12 1/2" 12 1/2" < BF < 18" 1/2" 5/16"

8. FABRICATORS AND SUPPLIERS SHALL COORDINATE PAINT/FINISHES WITH

IN THE PROJECT SPECIFICATIONS.

MISCELLANEOUS:

A. EXPANSION BOLTS, CHEMICAL ANCHORS, DEFORMED BAR ANCHORS AND HEADED STUDS: ALL EXPANSION BOLTS SHALL BE HILTI KWIK BOLTS AS NOTED ON THE DRAWINGS, OR EMBEDMENT UNLESS OTHERWISE NOTED SHALL BE: 4" FOR 1/2" DIAMETER, 5" FOR 5/8" AND 3/4" DIAMETER.

B. HEADED SHEAR STUDS SHALL BE NELSON HEADED ANCHORS WITH FLUXED ENDS OR APPROVED. DEFORMED BAR ANCHORS (DBA) SHALL BE NELSEN, TYPE D2L, OR APPROVED. STUDS AND DBA SHALL BE AUTOMATICALLY END-WELDED WITH THE MANUFACTURER'S STANDARD EQUIPMENT IN ACCORDANCE WITH THEIR RECOMMENDATIONS.

EMBEDDED PLATES AND ANCHOR BOLTS: PERMANENTLY EXPOSED PLATES AND ANGLES SHALL BE HOT-DIPPED, GALVANIZED AFTER FABRICATION, UNLESS OTHERWISE NOTED. NO LOADS OR WELDS SHALL BE PLACED ON EMBEDDED PLATES OR ANGLES FOR A MINIMUM OF 7 DAYS AFTER CASTING. ALL ANCHOR BOLTS FOR MECHANICAL AND ELECTRICAL EQUIPMENT ARE FURNISHED AND

DCATED BY THE RESPECTIVE CONTRACTORS AND SET BY GENERAL CONTRACTOR EXCEPT WHERE THE OTHER CONTRACTORS FURNISH THEIR OWN CONCRETE PADS. EPOXY ADHESIVE SHALL CONFORM TO ASTM C881 AND SHALL BE A TWO-COMPONENT SUITABLE FOR USE ON DRY OR DAMP SURFACES. MINIMUM SLANT SHEAR STREGTH

SHALL BE 5,000 PSI, AND MINIMUM TENSILLE STRENGTH SHALL BE 4,000 PSI.

IBC REQUIREMENTS. ALL CORE DRILLING SHALL BE DONE BY THE MECHANICAL AND ELECTRICAL CONTRACTORS FOR THEIR OWN WORK UNDER THE SUPERVISION OF THE GENERAL CONTRACTOR. THERE SHALL NOT BE ANY CORE DRILLING THROUGH BEAMS OR COLUMNS. MAXIMUM CORE HOLE THROUGH SLABS SHALL BE PIPE DIAMETER PLUS 1"

OLES SIZES AND INSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH APPROVED

SUBMITTALS:

A. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO FABRICATION FOR "SCANDINAVIAN" LOG FRAMING.

B IE THE SHOP DRAWINGS DIFFER FROM OR ADD TO THE DESIGN OF THE STRUCTURAL DRAWINGS, THEY SHALL BEAR THE SEAL AND SIGNATURE OF A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF JURISDICTION, ANY CHANGES TO THE STRUCTURAL DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT AND ARE SUBJECT TO REVIEW AND ACCEPTANCE

DESIGN DRAWINGS, SHOP DRAWINGS, AND CALCULATIONS FOR THE DESIGN AND FABRICATION OF ITEMS THAT ARE DESIGNED BY OTHERS, INCLUDING: ROOF JOIST AND FLOOR JOISTS, STAIRS, WINDOW WALL, AND ALL OTHER GLAZING SYSTEMS SHALL BEAR THE SEAL AND SIGNATURE OF A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF JURISDICTION, AND SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO FABRICATION, CALCULATIONS SHALL B INCLUDED FOR ALL CONNECTIONS TO THE STRUCTURE, CONSIDERING LOCALIZED EFFECTS OF STRUCTURAL ELEMENTS INDUCED BY CONNECTION LOADS. DESIGN SHALL BE BASED ON THE REQUIREMENTS OF THE CURRENT IBO

THE CONTRACTOR SHALL COORDINATE SEISMIC RESTRAINTS OF MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT, MACHINERY, AND ASSOCIATED PIPING WITH THE STRUCTURE. ANY CONNECTIONS TO STRUCTURE NOT CONFORMING TO STEEL METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION (SMACNA), OR SPECIFICALLY DETAILED ON TH MECHANICAL ENGINEER'S DRAWINGS, SHALL BE DESIGNED BY AN ENGINEER REGISTERED IN THE STATE OF JURISDICTION, AND SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO

FIELD ENGINEERED DETAILS DEVELOPED BY THE CONTRACTOR THAT DIFFER FROM, OR ADD TO THE STRUCTURAL DRAWINGS SHALL BEAR THE SEAL AND SIGNATURE OF A STRUCTU ENGINEER REGISTERED IN THE STATE OF JURISDICTION AND SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO CONSTRUCTION. WOOD FRAMING NOTES

. FRAMING LUMBER: DOUGLAS FIR LARCH OR HEM FIR (SURFACED DRY NOT TO EXCEED 19% MAXIMUM MOISTURE CONTENT, CONFORMING TO THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION IN THE FOLLOWING GRADES (UNLESS NOTED OTHERWISE ON PLANS): DIMENSIONED LUMBER - BEAMS, JOISTS: #2 OR BETTER (FB = 875 PSI, FV = 95 PSI, E = 1600 KSI) ROUGH SAWN - BEAMS, STRINGERS: #1 OR BETTER (FB = 1350 PSI, FV = 85 PSI, E = 1600KSI) POSTS, TIMBERS: #1 OR BETTER (FB = 1200 PSI, FV = 85 PSI, E = 1600 KSI) STUD(HEM-FIR OR D.F (FB = 675PSI, FC = 725 PSI, E = 1200 KSI)

ALL GLUE LAMINATED TIMBER MEMBERS SHALL BE GRADE 24F-V4 FOR SINGLE SPANS, 24F-V8 WHERE SPECIFIED DF/DF, CONFORMING TO THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (FB = 2400 PSI, FV = 165 PSI, E = 1800 KSI). ALL SCANDINAVIAN WALL PROFILE SUPPLIED BY LOG HOME MANUFACTURER CONFORM TO L30

LAMINATED, FB = 1740 PSI, FV = 165 PSI, E = 1015965 PSI) OR T30 (SAWN, FB = 1600 PSI, FV = 139 PSI, E = 1015965 PSI) PROVIDE SOLID BLOCKING AT LEAST 1-1/2" THICK AT ENDS AND AT EACH SUPPORT OF JOIST. PROVIDE APPROVED BRIDGING AT A MAXIMUM 8'-0"O.C. BETWEEN SUPPORTS OR AS REQUIRED BY THE JOIST MANUFACTURES

4 NATI ING SHALL CONFORM TO STANDARD NATI ING SCHEDULE 2304.9.1 OF THE IRC. LINLESS NOTED OTHERWISE ON PLANS OR SCHEDULES. ALL NAILS SHALL BE COMMON NAILS.

BUILT-UP BEAMS OF 2X MEMBERS SHALL BE SPIKED TOGETHER WITH 16D.SPIKES AT 12" O.C. STAGGERED. USE 2-20D COMMON NAILS AT ALLSUPPORTS.

6. ALL WOOD BEAMS AND HEADERS SHALL BEAR ON MINIMUM OF TWO CRIPPLE STUDS AT EACH END UNLESS SHOWN OTHERWISE.

ALL WOOD POSTS, BUILT-UP COLUMNS SHALL BE CONTINUOUS TO FOUNDATION OR FLOOR JOISTS, SOLID BLOCK ALL POSTS OR COLUMNS AT FLOOR LINES,

8. BUILT-UP COLUMNS SPIKED TOGETHER WITH 16D SPIKES AT 12" O.C.

HANGER TO BE SPECIFIED BY THE TRUSS / JOIST SUPPLIER UNLESS NOTED OTHERWISE ON PLAN.

10. ALL METAL HANGERS AND CONNECTORS SHALL BE " SIMPSON " OR EQUAL.

11. PROVIDE METAL STRAPS ACROSS RIDGE BEAM FOR ROOF JOISTS. 2. SILL PLATES SHALL BE FOUNDATION GRADE REDWOOD OR PRESSURE TREATED DOUGLAS FIR LARCH (FC = 625 PSI), WHEN IN CONTACT WITH CONCRETE.

13. SECURE SILL PLATE TO FOUNDATION WITH 5/8"O X 12" A.B. @ 48" O.C. UNLESS NOTED

14. DOUBLE TOP AND BOTTOM PLATES TO BE LAPPED 4'-0" AT SPLICE AND CONNECT WITH 16D COMMON NAILS @ 3" O.C., STAGGERED.

5. NOTCHING OR DRILLING THROUGH ANY LUMBER MEMBER WILL NOT BE ALLOWED WITHOUT SPECIFIC APPROVAL OF STRUCTURAL ENGINEER. 16. MAXIMUM HEIGHT OF NON-BEARING STUDS SHALL BE 14 FEET FOR 2X4 AND

17. STUD BEARING WALLS/EXTERIOR STUD WALLS/SHEAR WALLS: (A) ALL EXTERIOR WALLS SHALL BE 2X6 STUDS AT 16" 0.C. U.N.O. ALL INTERIOR WALLS SHALL BE 2X4 OR 2X6 STUDS AT 16" O/C REFER TO PLAN FOR SIZE U.N.O.

(B) SHEATH ALL EXTERIOR WALLS WITH 7/16" A.P.A. RATED STRUCTURAL EXTERIOR SHEATHING.

(C) NAIL SHEATHING WITH 8D AT 6" ALL EDGES WITH ALL EDGES BLOCKED AND 8D AT 12" AL ELSE, REFER TO PLAN FOR ADDITIONAL REQUIREMENTS. (D) ALL WALL SHEATHING SHALL BE CONTINUOUS FROM SILL PLATE TO DOUBLE TOP PLATE, WHERE NECESSARY, MINIMUM DEPTH OF JOINT IN SHEATHING SHALL

BE 2'-0" BELOW TOP OR ABOVE BOTTOM PLATE. BLOCK ALL PANEL EDGES

WALL LINE. R905.8.3

REQUIREMENTS FOR DIRECT APPLIED INSULATION, FIREPROOFING, ETC. AS NOTED

ROOFING: ICE AND WATER SHIELD EXTENDING FROM THE EAVES TO A POINT AT LEAST 24" FOR LINTELS MADE OF CORROSION-RESISTANT STEEL, INSIDE THE EXTERIOR

COMPOSITION SHINGLES SHALL NOT BE INSTALLED ON ROOFS HAVEING A SLOPE TREATED WITH PRESERVATIVE. LESS THAN 4 TO 12

UNLESS DOUBLE UNDERLAYMENT IS INSTALLED IN ACCORDANCE WITH IRC SECTION R905.2.2

SECTION 506, CLASS 3 IGNITION-RESISTANT CONSTRUCTION:

CLASS 3 IGNITION-RESISTANT CONSTRUSTION SHALL BE IN ACCORDANCE WITH SECTIONS 506.2 THROUGH 506.4.

ROOFS SHALL HAVE AT LEAST A CLASS A ROOF COVERING, CLASS C ROOF ASSEMBLY OR APPROVED NONCOMBUSTIBLE ROOF COVERING. FOR ROOF COVERINGS WHERE THE PROFILE ALLOWS A SPACE BETWEEN THE ROOF COVERING AND ROOF DECKING, THE SPACE AT THE EAVE ENDS SHALL BE FIRESTOPPED TO PRECLUDE ENTRY OF FLAMES OR EMBERS.

506.3 UNENCLOSED UNDERFLOOR PROTECTION. BUILDINGS OR STRUCTURES SHALL HAVE ALL UNDERFLOOR AREAS ENCLOSED TO THE GROUND WITH EXTERIOR WALLS.

EXEPTION: COMPLETE ENCLOSURE MAY BE OMITTED WHERE THE UNDERSIDE OF ALL EXPOSED FLOORS AND ALL EXPOSED STRUCTURAL COLUMNS, BEAMS AND SUPPORTING WALLS ARE PROTECTED AS REQUIRED EXTERIOR 1-HOUR FIRE -RESISTANCE-RATED CONSTRUCTION OR HEAVY TIMBER CONSTRUCTION.

506.4 VENTS.

ATTIC VENTILATION OPENINGS, SOFFIT VENTS, FOUNDATION OR UNDERFLOOR VENTS OR OTHER VENTILATION OPENINGS IN VERTICAL EXTERIOR WALLS AND VENTS THROUGH ROOFS SHALL NOT EXCEED 144 SOUARE INCHES (0.0929 M2) EACH. SUCH VENTS SHALL BE COVERED WITH NONCOMBUSTIBLE CORROSION-RESISTANT MESH WITH OPENINGS NOT TO EXCEED 1/4" (6.4 MM).

(B) GLUE & NAIL WITH: 10D @ 6" O.C. -SUPPORTED PANEL EDGES,10D @ 10"O.C. -(C) PLACE LONG DIRECTION OF PANELS PERPENDICULAR TO JOISTS IN A STAGGERED PATTERN.

(A) 3/4" A.P.A. RATED STURD-I-FLOOR, EXPOSURE I, PANEL INDEX #40/20, TONGUE

SECONDARY FRAMING (E) ALL PRIMARY ROOF FRAMING SHALL BE ENTIRELY AND CONTINUOUSLY SHEATHED BEFORE ADDING SECONDARY FRAMING. (F) ALL NAILERS FOR SECONDARY FRAMING SHALL BE 2X12'S LAID FLAT AND

NAILED WITH TWO ROWS OF 10D NAILS AT 4" O.C.

(A) 5/8" A.P.A. RATED STRUCTURAL II, EXTERIOR, PANEL INDEX #40/20

(C) PLACE LONG DIRECTION OF PANELS PERPENDICULAR TO JOISTS IN

(B) NAIL WITH: 8D @ 6" O.C. -SUPPORTED PANEL EDGES, 8D @ 12"O.C. - ALL ELSE

ROOF TRUSSES:

19. FLOOR SHEATHING:

(A) DESIGN TRUSSES FOR FOLLOIWNG CRITERIA: DEAD LOAD = 20 PSF LIVE LOAD =212 PSF LIVE LOAD DEFLECTION= L/400 MAXIMUM

(B) HANDLING, INSTALLING AND TEMPORARY BRACING OF TRUSSES SHALL BE IN ACCORDANCE WITH THE HIB-91 SUMMARY SHEET BY THE TRUSS PLATE INSTITUTE.

(C) NO STRESS INCREASE ALLOWED FOR TRUSS DESIGN. (D) TRUSS MANUFACTURER SHALL PROVIDE HANGERS FOR ALL TRUSS

(E) TRUSS MANUFACTURER SHALL SUBMIT TRUSS DESIGN, STAMPED BY A LICENSED ENGINEER, TO ARCHITECT FOR REVIEW. SUBMITTAL SHALL INCLUDE SCHEMATIC DIAGRAMS SHOWING: SIZES, SLOPES, LOADS, SPANS, AND BEARING CONDITIONS

TO TRUSS CONNECTIONS.

- Chimneys shall extend at least 2 feet higher than any portion of the building within 10 feet horizontally of the chimney, but shall not be less than 3 feet above the point where the chimney - Minimum 18" clearance above earth for wood joists and 12 clearance for wood girders in a crawl space unless redwood ventilation for each separate space by ventilating openings,

which are protected against the entrance of rain or snow. The total net free area shall be less than 1 to 150 of the open space ventilated. The total ventilating area ratio may be reduce to not less than 1 to 300 if either 1) openings are provided in th upper and lower portions of the ventilated space, or 2) a 1 perm vapor barrier is installed on the warm side of the ceiling and roof ceilings.

- Provide  $\frac{1}{2}$  inch air space at top, sides ad ends of girders entering exterior concrete or masonry walls unless woods resistant to - Nor wood shall be nearer than 6 inches to earth unless separated

by concrete at least 3 inches in thickness with an impervious membrane installed between the earth and the concrete. This includes decks and siding. - For masonry fireplaces, combustible material shall not be placed within 2 inches of fireplace smoke chamber or chimney walls

of the fireplace opening shall not project more than 1/8 inch from each inch distance from the opening to the fireplace. - Basements with habitable space and each sleeping room one 5.7 square feet of open-able area, with a net clear open-able height of at least 24 inches and a net clear open-able width

of at least 20 inches. Grade floor openings mat be reduced to a

ireplace opening. Combustible material within 12 inches

net clear opening of 5 square feet. Frameless glass doors glazing in doors, glazing within 24 inch arch of doors, glazing less than 60 inches above a walking surface that is within 5 feet of stairs and glazing within 5 feet of spas or pools, certain fixed glass panels and similar glazed opening subject to human impact shall be safety glazing, tempered or laminated glass, properly identified.

- Special Inspections

Provide 30 inches of full width clearance for water closets. Provide a shut-off valve for all plumbing fixture supplies. degrees F at a point 36 inches above the floor in all rooms.

 Combustion air for all fuel-burning appliances at a minimur rate of 1 square inch per 3,000 BTU/hour input rating. - Clearance around equipment, minimum 3 inches sides and rear Location of gas logs and all gas appliances with a shut-off valve

within 6 feet of the appliance. The maximum length of clothes dryer duct with 2 - 90 degree elbows in 5 feet.

- Insulate heating trunk and branch supply ducts in unfinished areas, crawl spaces, attics and unheated garages per the Recheck - All receptacles serving kitchen countertops, in garages, shall be GFCI protected.

- Clearance for lights in closets must comply with IRC E3903.11 - All circuit breakers serving 110 amp outlets in bedrooms shall

- Weep hole size and spacing on veneer detail 33 inches. STEEL LINTELS SHALL BE SHOP COATED WITH A RUST- INHIBITIVE PAINT, EXCEPT

R 317.1.5

R 703.7.3

STRUCTURAL LAMINATED TIMBERS THAT ARE NOT COVERED BY A ROOF SHALL BE

A3" SQUARE WASHER IS REQUIRED FOR WALL ANCHORAGE, THIS WILL REQUIRE A ROUND CUT WASHER BETWEEN SQUARE WASHER AND NUT.

ADDITIONAL NOTES

N1102.4.1.1 (R402.4.1.1) Installation. The components of the building thermal envelope as listed in Table N1102.4.1.1 shall be installed in accordance with the manufacturer's instructions and the criteria listed in Table N1102.4.1.1, as applicable to the method of construction. Where required by the building official, an approved third party shall inspect all components and verify compliance.

TABLE N1102.4.1.1 (402.4.1.1) AIR BARRIER AND INSULATION INSTALLATION

COMPONENT	AIR BARRIER CRITERIA	INSULATION INSTALLATION CRITERIA	AND WALLS ENCASING THESE COMMAKTMENTS SHALL BE TE
COMPONENT	A continuous air barrier shall be installed in	INSULATION INSTALLATION CRITERIA	VENTILATION:
General requirements	the building envelope.	Air-permeable insulation shall not be used as a sealing material.	WINDOWS IN BATHROOMS, WATER CLOSET COMPARTMENTS AND SIMILAR AREAS SHALL BE A MINIMUM OF 1 1/2 SQUARE UNLESS A MECHANICAL VENTILATION SYSTEM OF 50 CFM IS
Ceiling/attic	The air barrier in any dropped ceiling/soffit shall be aligned with the insulation and any gaps in the air barrier sealed.  Access openings, drop down stairs or knee wall doors to unconditioned attic spaces shall be sealed.	The insulation in any dropped ceiling/soffit shall be aligned with the air barrier.	CFM FOR CONTINUOUS). BATHROOMS INTO SEPARATE AREA USING FIXTURES REQUIRE INDIVIDUAL VENTILATION IN EACH AREAS.  VENTILATION AIR SHALL BE EXHAUSTED DIRECTLY TO THE CREATER REPORTS AND AREAS.
Walls	The junction of the foundation and sill plate shall be sealed.  The junction of the top plate and the top of exterior walls shall be sealed.  Knee walls shall be sealed.	Cavities within corners and headers of frame walls shall be insulated by completely filling the cavity with a material having a thermal resistance of R-3 per inch minimum.  Exterior thermal envelope insulation for framed walls shall be installed in substantial contact and continuous alignment with the air barrier.	PLUMBING:  WATER CLOSET TANK WITH A FLOW RATE OF NOT MORE TH GALLONS PER FLUSH. P2903.2  SHOWERHEADS WITH A FLOW RATE OF NOT MORE THAN 2.5
Windows, skylights and doors	The space between window/door jambs and framing, and skylights and framing shall be sealed.		SHOWERS SHALL FINISHED TO HEIGHT OF NOT LESS THAN 7
Rim joists	Rim joists shall include the air barrier.	Rim joists shall be insulated.	FLOOR.
Floors (including above garage and cantilevered floors)	The air barrier shall be installed at any exposed edge of insulation.	Floor framing cavity insulation shall be installed to maintain permanent contact with the underside of subfloor decking, or floor framing cavity insulation shall be permitted to be in contact with the top side of sheathing, or continuous insulation installed on the underside of floor framing; and extends from the bottom to the top of all perimeter floor framing members.	MATERIAL SHALL BE OF A NONABSORBENT TYPE.  ALL PLUMBING VENTS THROUGH THE ROOF TO BE A MINIMU P3103.2  IN SEISMIC DESIGN CATEGORIES C1, D1 AND D2 WATER HEADER
Crawl space walls	Exposed earth in unvented crawl spaces shall be covered with a Class I vapor retarder with overlapping joints taped.	Where provided instead of floor insulation, insulation shall be permanently attached to the crawl space walls.	ANCHORED OR STRAPPED IN THE UPPER THIRD OF THE APPIRESIST A
Shafts, penetrations	Duct shafts, utility penetrations, and flue shafts opening to exterior or unconditioned space shall be sealed.		HORIZONTAL FORCE EQUAL TO ONE THIRD OF THE OPERATI P2801.2  GARAGE:
Narrow cavities		Batts in narrow cavities shall be cut to fit, or narrow cavities shall be filled by insulation that on installation readily conforms to the available cavity space.	THE GARAGE MUST BE SEPARATED FROM THE DWELLING INC WITH 1/2" GYPSUM BOARD
Garage separation	Air sealing shall be provided between the garage and conditioned spaces.		ON THE GARAGE SIDE. IF LIVING SPACE IS ABOVE IT MUST E ON THE CEILING. R309.2
Recessed lighting	Recessed light fixtures installed in the building thermal envelope shall be sealed to the drywall.	Recessed light fixtures installed in the building thermal envelope shall be air tight and IC rated.	MAXIMUM SPACING OF FRAMING MEMBER ON CEILING IS 16' OR 5/8" EITHER DIRECTION.
Plumbing and wiring		Batt insulation shall be cut neatly to fit around wiring and plumbing in exterior walls, or insulation that on installation readily conforms to available space shall extend behind piping and wiring.	THE DOOR BETWEEN THE GARAGE AND THE DWELLING IS REQUIRED TO BE A 1 3/8" THICK SOLID CORE DOOR, HONEYCOMB CORE STEEL DOOR OR 20 MINUTE FIRE-RATED
Shower/tub on exterior wall	The air barrier installed at exterior walls adjacent to showers and tubs shall separate them from the showers and tubs.	Exterior walls adjacent to showers and tubs shall be insulated.	GARAGE ATTIC ACCESS DOOR SHALL BE 20 MINUTE LABELED OF EQUIVALENT CONSTRUCTIONS. R309  AUTOMATIC GARAGE DOOR OPENERS, IF PROVIDED,
Electrical/phone box on exterior walls	The air barrier shall be installed behind electrical or communication boxes or airsealed boxes shall be installed.		SHALL BE TESTED IN ACCORDANCE WITH UL325. R309.6  MINIMUM WIDTH OF DRIVEWAY SHALL BE 20 FEET.
HVAC register boots	HVAC register boots that penetrate building thermal envelope shall be sealed to the subfloor or drywall.		MECHANICAL:
Concealed sprinklers	When required to be sealed, concealed fire		THE MAYIMUM LENGTH OF A DOVED EVHALICT VENT IS SEEE

a. In addition, inspection of log walls shall be in accordance with the provisions of ICC 400.

not be used to fill voids between fire sprinkler

sprinklers shall only be sealed in a manner

Caulking or other adhesive sealants shall

## SECTION M1505 OVERHEAD EXHAUST HOODS

cover plates and walls or ceilings.

M1505.1 General.

Domestic open-top broiler units shall have a metal exhaust hood, having a minimum thickness of 0.0157-inch (0.3950 mm) (No. 28 gage) with  $\frac{1}{4}$  inch (6.4 mm) clearance between the hood and the underside of combustible material or cabinets. A clearance of not less than 24 inches (610 mm) shall be maintained between the cooking surface and the combustible material or cabinet. The hood shall be not less than the width of the broiler unit, extend over the entire unit, THAT ARE NOT PART OF THE LIVING SPACE OF A DWELLING UNIT AND discharge to the outdoors and be equipped with a backdraft damper or other means to control infiltration/exfiltration when not in operation. Broiler units incorporating an integral exhaust system, and *listed* and *labeled* for use without an exhaust hood, need not have an exhaust hood.

SECTION M1506 EXHAUST DUCTS AND EXHAUST OPENINGS

M1506.1 Duct construction.

Where exhaust duct construction is not specified in this chapter, construction shall comply with Chapter 16.

The length of exhaust and supply ducts used with ventilating equipment shall not exceed the lengths determined in accordance with Table M1506.2.

**Exception:** Duct length shall not be limited where the duct system complies with the manufacturer's design criteria or where the flow rate of the installed ventilating equipment is verified by the installer or approved third party using a flow hood, flow grid or other airflow measuring device.

## **TABLE M1506.2 DUCT LENTH**

DUCT TYPE			FI	EX	DU	CT			S	MC	ОТ	H-V	VAL	L D	UC	Г
Fan airflow rating (CFM @ 0.25 inch wc <sup>a</sup> )	50	80	100	125	150	200	250	300	50	80	100	125	150	200	250	300
Diameter <sup>b</sup> (inches)						Ma	xim		leng eet)	th <sup>c,</sup>	d, e					
3	X	X	X	X	X	X	X	X	5	X	X	X	X	X	X	X
4	56	4	X	X	X	X	X	X	114	31	10	X	X	X	X	X
5	NL	81	42	16	2	X	X	X	NL	152	91	51	28	4	X	X
6	NL	NL	158	91	55	18	1	X	NL	NL	NL	168	112	53	25	9
	NII	NII	NL	NL	161	78	40	19	NL	NL	NL	NL	NL	148	88	54
7	INL	141	111	1 11	101	,		1,		1		- 1	4 14-		00	

For SI: 1 foot = 304.8 mm.

a. Fan airflow rating shall be in acordance with ANSI/AMCA 210-ANSI/ASHRAE 51.

b. For noncircular ducts, calculate the diameter as four times the cross-sectional area divided by the perimeter. c. This table assumes that elbows are not used. Fifteen feet of allowable duct length shall be deducted for each elbow installed in the duct run.

d. NL = no limit on duct length of this size. e. X = not allowed. Any length of duct of this size with assumed turns and fittings will exceed the rated pressure drop.

M1506.3 Exhaust openings.

Air exhaust openings shall terminate not less than 3 feet (914 mm) from property lines; 3 feet (914 mm) from operable

**GENERAL:** 

ALL SHOWER DOORS SHALL SWING OUTWARD. IRC P2708.1

GLAZING USED IN DOORS AND PANELS OF SHOWERS AND BATHTUB **ENCLOSURES** 

AND WALLS ENCASING THESE COMPARTMENTS SHALL BE TEMPERED.

<u>INDOWS IN BATHROOMS, WATER CLOSET COMPARTMENTS,</u> <u>ID SIMILAR AREAS SHALL BE A MINIMUM OF 1 1/2 SOUARE FEET, </u> <u> ILESS A MECHANICAL VENTILATION SYSTEM OF 50 CFM IS PROVIDED (20</u> <u>'M FOR CONTINUOUS). BATHROOMS INTO SEPARATE AREAS WITH WATER</u> SING FIXTURES REQUIRE INDIVIDUAL VENTILATION IN EACH OF THOSE

ENTILATION AIR SHALL BE EXHAUSTED DIRECTLY TO THE OUTSIDE.

ATER CLOSET TANK WITH A FLOW RATE OF NOT MORE THAN 1.6 ALLONS PER FLUSH. P2903.2

HOWERHEADS WITH A FLOW RATE OF NOT MORE THAN 2.5 GPM. P2903.2 HOWERS SHALL FINISHED TO HEIGHT OF NOT LESS THAN 72" ABOVE THE

ATERIAL SHALL BE OF A NONABSORBENT TYPE.

. PLUMBING VENTS THROUGH THE ROOF TO BE A MINIMUM 3" PIPE.

SEISMIC DESIGN CATEGORIES C1, D1 AND D2 WATER HEATERS SHALL ICHORED OR STRAPPED IN THE UPPER THIRD OF THE APPLIANCE TO

FSIST A ORIZONTAL FORCE EQUAL TO ONE THIRD OF THE OPERATING WEIGHT.

HE GARAGE MUST BE SEPARATED FROM THE DWELLING INCLUDING ATTIC TTH 1/2" GYPSUM BOARD I THE GARAGE SIDE. IF LIVING SPACE IS ABOVE IT MUST BE 5/8" TYPE X

THE CEILING. R309.2 AXIMUM SPACING OF FRAMING MEMBER ON CEILING IS 16" O.C. FOR 1/2" R 5/8" EITHER DIRECTION.

NEYCOMB CORE STEEL DOOR OR 20 MINUTE FIRE-RATED. R309.2 ARAGE ATTIC ACCESS DOOR SHALL BE 20 MINUTE LABELED OR

THE MAXIMUM LENGTH OF A DRYER EXHAUST VENT IS 25 FEET. 45-DEGREE BEND AND 5 FEET FOR EACH 90-DEGREE BEND SHALL APPLY. OR DRYER LISTING. M1502.6

FUEL-FIRED WATER HEATERS SHALL NOT BE INSTALLED IN A ROOM USED AS A STORAGE ROOM / CLOSET. M2005.2

THE LISTING FOR THE FIREPLACE SHOWN ON THE PLANS SHALL BE PROVIDED AT MECHANICAL INSPECTION. IF THIS IS A WOOD BURNING FIREPLACES SUBMIT LISTING SHOWING EPA COMPLIANCE. M1401.1

MECHANICAL EQUIPMENT, INCLUDING WATER HEATERS, IN THE GARAGE NEEDS TO BE ELEVATED 18" OFF FINISHED FLOOR, ROOMS OR SPACES THAT COMMUNICATE WITH A PRIVATE GARAGE THROUGH OPENINGS SHALL BE CONSIDERED TO BE PART OF THE GARAGE. M1307.3

HYDRO-MASSAGE BATHTUB ELECTRICAL EQUIPMENT SHALL BE ACCESSIBLE WITHOUT DAMAGING THE BUILDING STRUCTURE OR BUILDING FINISH. SHOW LOCATION WHERE IS JETTED TUB MOTOR ACCESS PLACED. E4209.3

FRAMING:

TRUSS BLOCKING SHALL BE SOLID TO SHEATHING WITH NAILING THROUGH SHEATHING IN TO

THE MINIMUM OF 2" THICK REDWOOD PLANKS FOR DECK IF JOIST SPACING IN 16" ON CENTER OR GREATER. NOMINAL 1" PLANKING SHALL NOT BE USED WHERE DECK JOISTS ARE SPACED

TRUSS BLOCKING TO CARRY THE SHEAR TO THE ROOF. R502.7

GREATER THAN 12 " ON CENTER. R501.2

AT ALL VALLEYS AND HIPS SHOW VALLEY OR HIP RAFTERS AS BEING NOT LESS THAN 2" THICK AND NOT LESS IN DEPTH THAN THE CUT END OF THE RAFTER. R802.3

FIRE-BLOCK SYUD SPACES AT SOFFITS, FLOOR AND CEILING JOIST LINES AT 10 FEET VERTICALLY AND HORIZONTALLY; AND AT OPENINGS BETWEEN ATTIC SPACES AND CHIMNEY SPACES FOR

FACTORY-BUILD CHIMNEYS AND ANY OTHER LOCATION WHICH AFFORD PASSAGE FOR FRAMES. R602.8



/lacKay-Lyons Sweetapple Architects Ltd.

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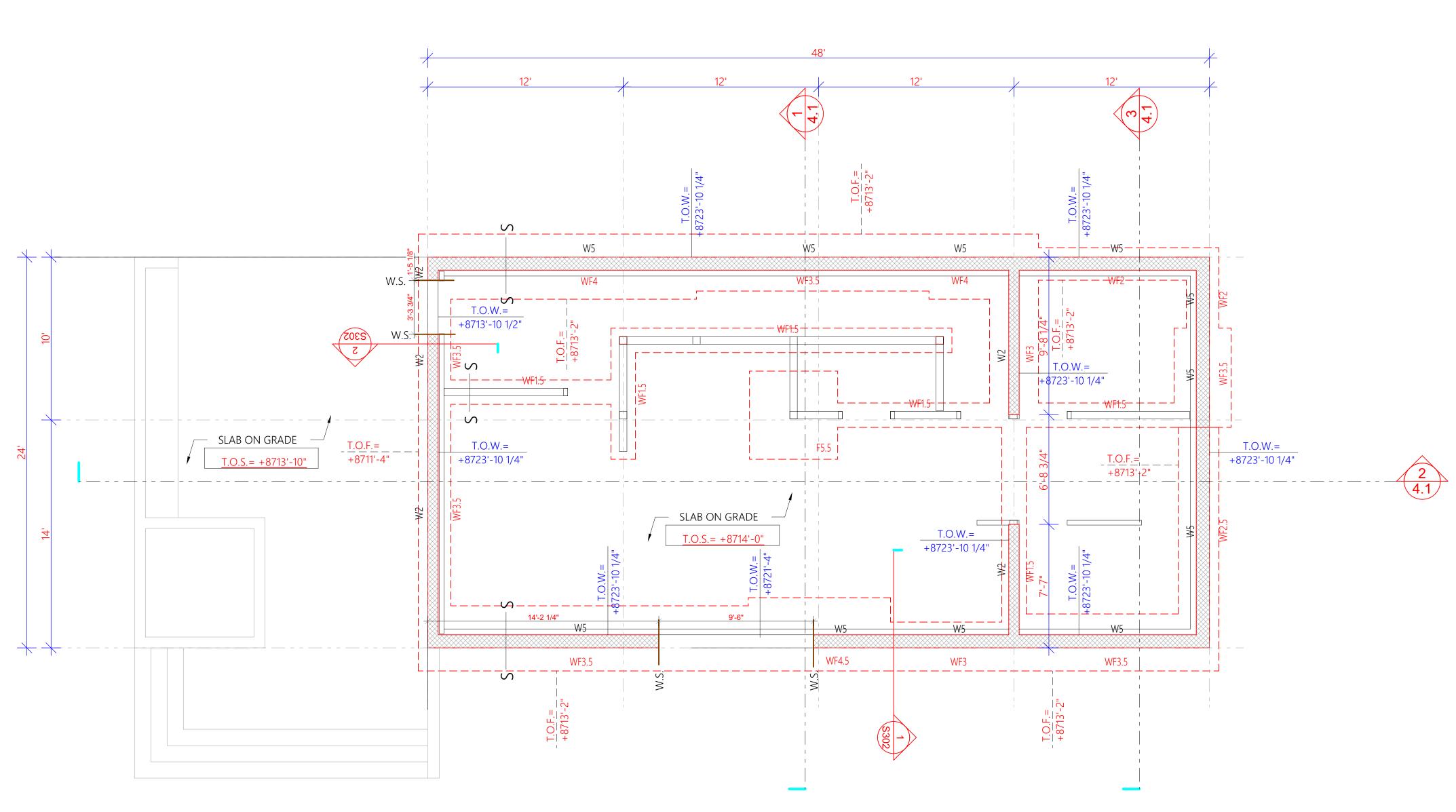
Park City, Utah 84098

**Drawing Date** 

Signature and Date

STRUCTURAL **GENERAL NOTES** 

7-17-2019



1 FOOTING AND FOUNDATION PLAN

R403.1.6. FOUNDATION BOLTS SHALL BE LOCATED IN THE MIDDLE THIRD OF THE WIDTH OF THE PLATE.

## REFER TO S2 FOR HOLDOWNS

	I	FOOTING SC		
MARK	SIZE WIDTHXTHICK.XLENGHT			REMARKS
WF1.5	1'-6"x10"xCONT.	2- #4	-	
WF2	2'-0"x10"xCONT.	2- #4	-	
WF2.5	2'-6"x10"xCONT.	3- #4	-	
WF3	3'-0"x10"xCONT.	4- #4		
WF3.5	3'-6"x10"xCONT.	4- #4	#4 @ 12"	
WF4	4'-0"x10"xCONT.	5- #4	#4 @ 10"	
WF4.5	4'-6"x12"xCONT.	5- #5	#5 @ 12"	
WF5	5'-0"x12"xCONT.	6- #5	#5 @ 12"	
WF6	6'-0"x12"xCONT.	7- #5	#5 @ 12"	
F3	3'-0"x10"x3'-0"	4- #4	4- #4	
F3.5	3'-6"x10"x3'-6"	4- #4	4- #4	
F4	4'-0"x12"x4'-0"	5- #5	5- #5	
F4.5	4'-6"x12"x4'-6"	5- #5	5- #5	
F5	5'-0"x12"x5'-0"	6- #5	6- #5	
F5.5	5'-6"x12"x5'-6"	6- #5	6- #5	
F6	6'-0"x12"x6'-0"	7- #5	7- #5	
F6.5	6'-6"x12"x6'-6"	8- #5	8- #5	
F7.5	7'-6"x14"x7'-6"	10- #5	10- #5	
F8	8'-0"x14"x8'-0"	11- #5	11- #5	
F4x5	4'-0"x12"x5-0"	5- #4	6- #5	
F5x7	5'-0"x12"x7'-0"	6- #5	8- #5	
FM	MAT FOOTING	#4 OR #5 @ 12" ON CENTER	#4 OR #5 @ 12" ON CENTER	MATCH ADJCENT FOOTING THICKNESS AND BAR SIZE. REFER TO PLAN FOR SIZE

FOUNDATION WALL SCHEDULE								
WALL TYPE	THICKNES	SA BARS	B DOWELS	C BARS	D BARS	E BARS	CORNER BARS	
W1	8"	#4 @ 18"	#4 @ 18"		#4 @ <mark>18</mark> "		#4@24"	
W2	8"	#4 @ 12"	#4 @ 12"		#4 @ <mark>18</mark> "		#4 @12"	
W3	8"	#5 @ 12"	#5 @ 12"		#4 @ <mark>18</mark> "		#5 @10"	
W4	10"	#5 @ 12"	#6 @ 12"	#4 @ 12"	#4 @ <mark>18"</mark>	#4 @ 12"	#6 @12"	
W5	10"	#5 @ 12"	<b>#5</b> @ 12"		#5 @ <mark>18</mark> "		#5 @ <mark>18</mark> "	
W6	10"	#5 @ 9"	#5 @ 9"		#5 @ <mark>18</mark> "		#5 @12"	

NOTE: ANCHOR BOLTS DO NOT ALWAYS OCCUR. RE: DETAILS

## FOUNDATION PLAN NOTES

- ALLOWABLE SOIL PRESSURE USED IN DESIGN = 1500 PSF. (ASSUMED) AND TO BE FIELD VERIFIED AS REQUIRED PER THE CITY BY A LICENSED GEOTECHNICAL ENGINEER BEFORE PLACING CONCRETE.
- 2. REFER TO ARCHITECTURAL FOR TOP OF SLAB ELEVATION DENOTED T.O.S.
- 3. VERIFY WITH ARCHITECTURAL PLANS ALL STEPS IN SLAB.
- 4. SLAB ON GRADE SHALL BE 4" CONCRETE OVER 4" FREE DRAINING GRAVEL. REINFORCE SLAB W/ 6x6xW1.4 WWF OR #4 AT 24" O/C EACH WAY U.N.O.
- 5. FOOTING ELEVATIONS SHOWN ARE APPROXIMATE AND MAY VARY DUE TO ACTUAL SITE ELEVATIONS AND CONDITIONS.6. FOOTING TYPES NOTED THUS "F-X" AND "WF-X" REFER TO SCHEDULE
- FOR SIZE AND REINFORCEMENT. REFER TO PLAN AND SECTIONS FOR TOP OF FOOTING ELEVATION.
- 7. CENTER FOOTINGS ON WALLS AND COLUMNS UNLESS DIMENSIONED OTHERWISE ON PLANS.
- 8. "T.O.W." DENOTES TOP OF WALL ELEVATION.
- 9. "T.O.F." DENOTES TOP OF FOOTING ELEVATION.10. "W.S." DENOTES FOUNDATION WALL STEPS.
- .....
- 11. "W1" DENOTES FOUNDATION WALL TYPE.
- 12. ALL FOUNDATIONS ARE TYPE "W1" WALLS UNLESS NOTED OTHERWISE.
- 13. "S—— S" DENOTES FOOTING STEP. REFER TO DETAIL G/S300.
- 14. REFER TO GENERAL NOTES ON SHEET SO FOR ADDITIONAL INFORMATION.
- 15. CONTOURS AND EXTERIOR GRADE ELEVATIONS ON SITE PLAN ARE APPROXIMATE ALL FINAL GRADES SHALL BE FIELD VERIFIED.
- 16. AROUND OPENINGS LARGER THAN 12" IN ANY DIRECTION IN CONCRETE WALLS, ADD (2) #4 BARS ALL SIDES IN ADDITION TO REGULAR WALL REINFORCING AND EXTEND 24" EACH WAY BEYOND OPENING. WHERE 24" IS NOT AVAILABLE, EXTEND BARS AS FAR AS POSSIBLE AND TERMINATE WITH A STANDARD HOOK.



ENSIGN
THE STANDARD IN ENGINEERING
STRUCTURAL ONLY
45 W. 10000 S. #500
SANDY, UTAH 84070

Designer:
MacKay-Lyons
Sweetapple
Architects Ltd.

(801) 255-0529



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S CANDINAVIA N LLC

mpany Name
MacKay-Lyons Sweetapple
Architects Ltd.
ddress

(Scandinavian LLC)
6410 N. Business

Phone 435-513-0355

Fax

Project No.

Cad File

Drawn

Checked

PIONEER CABIN

Signification NEIGHBORHOOD

Summit Powder Mountain

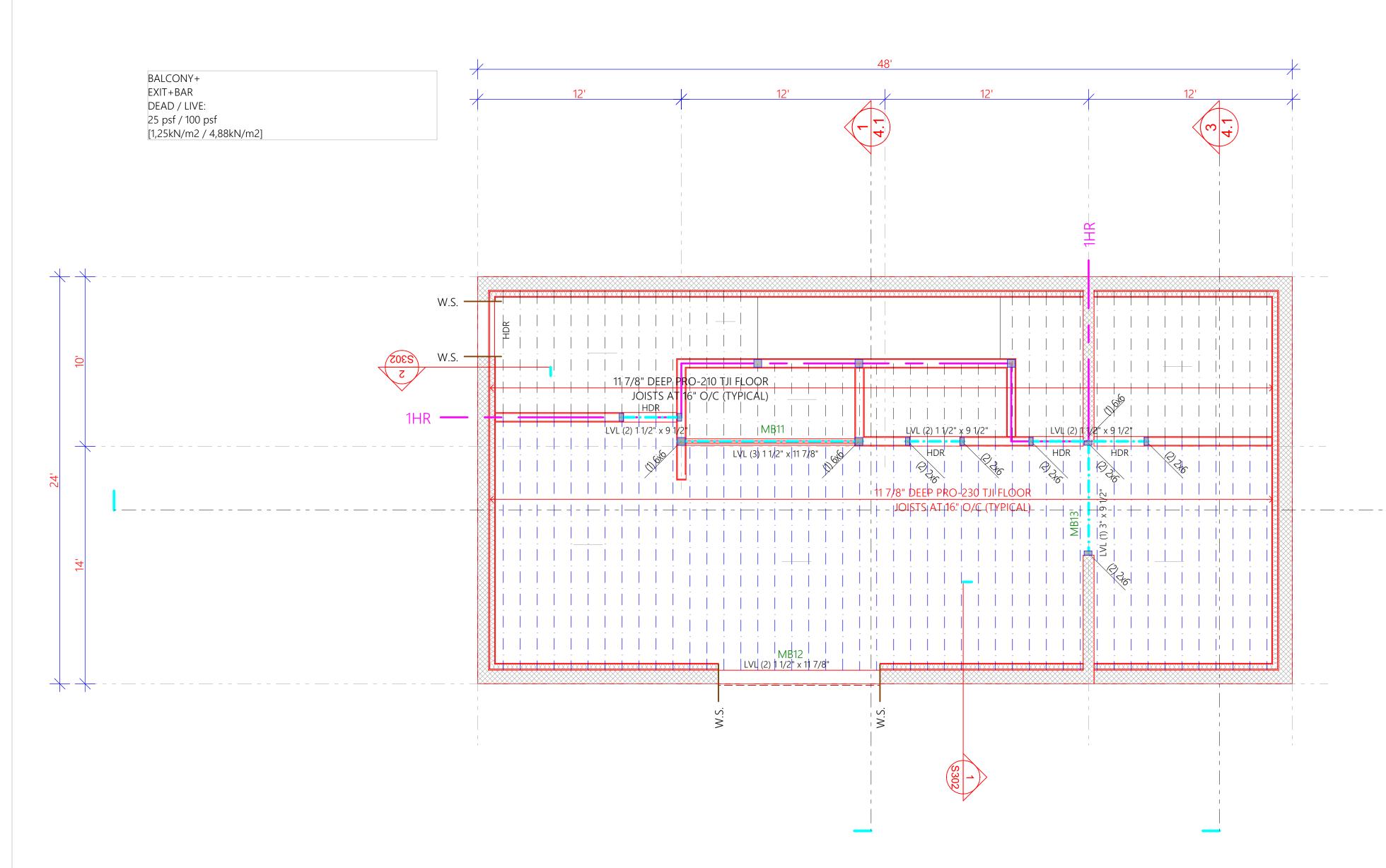
BUILDER

Address

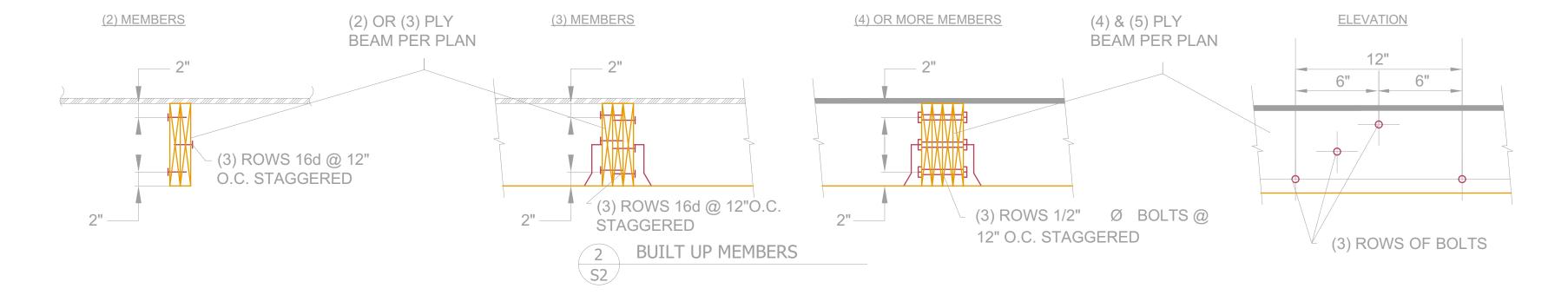
Park City, Utah 84098

Scale 1/4" = 1' -0"
Titte/No.
FOUNDATION &
FOOTING PLAN
BUILDER/ DEALER'S APPROVAL:

Signature and Date



1 LOWER LEVEL FRAMING PLAN
(FIRST MID-FLOOR)



		EDGE	SILL PLATE		
TYPE	MATERIAL	NAILING	ANCHORS	REMARKS	
=SW1	7/16" APA	8d @ 6"O/C	16d COMMON @6" O.C. O 5/8" AT 32"	A,B,C,D	=260 p
2 =SW2	7/16" APA	8d @ 4"O/C	16d COMMON @4" O.C. OR 5/8" AT 32"	A,B,C,D	=350 p
4 =SW4	7/16" APA	8d @ 3"O/C	16d COMMON @3" O.C. OR 5/8" AT 32"	A,B,C,D,E	=490 p
5 =SW5	7/16" APA	8d @ 2"O/C	16d COMMON @3" O.C. O 5/8" AT 24"	R A,B,C,D,E	=600 p
7 =SW7	7/16" APA Both sides	8d @ 3"O/C	SDS25500 @ 3" O.C. OR 5/8" AT 16"	A,B,C,D,E	
10 =SW10	15/32" APA STRUCTURAL 1	10d @ 2"O/C	(2)SDS25500 @ 3" O.C. OR 5/8" AT 8"	A,B,C,D,E	

#### NOTES

- 1. LVL DENOTES 1.9E MICROLLAM BY TRUS JOIST MACMILLAN OR EQUIVALENT.
- 2. DECK LEDGER BOARDS MUST BE TRATED WHEN USING TJI, BCI or LPI RIM BOARDS.
- A: ALL SHEATHING SHALL BE CDX STRUCTURAL 1 OR 11 A.P.A. RATED SHEATHING WITH ALL EDGES BLOCKED
- B: ALL NAILS SHALL BE 'COMMON' TYPE UNLESS OTHERWISE NOTED.

  NAILS SHALL BE LOCATED AT LEAST 3/8" FROM PANEL EDGES. DO

  NOT PENETRATE SHEATHING WITH NAIL HEADS. NAIL INTERMEDIATE
  SUPPORTS WITH 8d AT 12" O.C.
- C: ALL HARDWARE SHALL BE 'SIMPSON STRONG TIE' OR APPROVED EQUAL.
- D: ALL SILL PLATES SHALL BE 2x PRESSURE TREATED D.F. UNLESS OTHERWISE NOTED WITH A MINIMUM OF 2 A.B. PER PLATE. ONE A.B. WITHIN 12" FROM EA. END.
- E: USE MINIMUM 3x STUDS AT ALL ADJOINING (ABUTTING) EDGES. EDGE NAILING SHALL BE STAGGERED. (2) 2x NAILED TOGETHER WIRTH 16d CAMMON NAILS @ 4" O.C. MAY BE SUBSTITUED FOR 3x.
- F: USE SIMPSON SB 5/8" x 24" EMBED 18" MIN. INTO STEM WALL -> FOR STEM WALL INSTALATION.
- G: 3" MINIMUM POST
- H: 5 1/2" MINIMUM POST
- J: USE SIMPSON SB 1" x 30" EMBED 14" MIN. INTO STEM WALL-> FOR STEM WALL INSTALATION.
- K: USE SIMPSON SB 7/8" x 24" EMBED 18" MIN. INTO STEM WALL

	FLOOR BEAM SCHEDULE
MARK MB11 MB12	STEEL, GLULAM, LVL OR SAWN BEAMS  LVL (3) 1 1/2" x 11 7/8"  LVL (2) 1 1/2" x 11 7/8"
MB13	LVL (1) 3" x 9 1/2"

## (\*) TIE MULTIBLE PLY MEMBERS TOGETHER (DTL 2/S2)

	STU	JD HEIG	НТ СН	ART	
STUD	GRADE	SPACING	MAX HT.	LOCATION	NOTES
2x6	STUD	16" O.C.	10'-0"	EXTERIOR	
2x6	STUD	12" O.C.	14'-0"	EXTERIOR	
2x6	DFLN #2	12" O.C.	16'-0"	EXTERIOR	

## FRAMING PLAN NOTES

- 1. ALL BEAMS TO BEAR ON MINIMUM OF (2) CRIPPLE STUDS U.N.O. ON PLAN.
- TYPICAL HEADER SIZE IN 2x FRAMED BEARING WALLS, DENOTED AS HDR, SHALL BE MINIMUM (3) 2"X10" OR 3-1 1/2"x7 1/2" LVL, UNLESS SHOWN OTHERWISE ON PLANS.
- 3. SHEAR WALL TYPES AND LOCATION ARE DENOTED THUS:  $\bigwedge$  ON PLAN. SEE SCHEDULE
- INTERIOR SHEAR WALLS ARE DENOTED THUS: ON PLAN.
- 4. ALL EXTERIOR WALLS SHALL BE TYPE 1 SHEAR WALL CONSTRUCTION UNLESS NOTED OTHERWISE.

TYPICAL 2"X10" HEADERS MAY BEAR ON ONE CRIPPLE STUD.

- 5. REFER TO DETAILS, GENERAL STRUCTURAL NOTES AND SHEAR WALL SCHEDULE FOR TYPICAL SHEAR WALL/BEARING WALL CONSTRUCTION.
- 6. REFER TO GENERAL STRUCTURAL NOTES SHEET S0 FOR ADDITIONAL INFORMATION.
- 7. WHERE ROCK VENEER OCCURS REFER TO DETAIL R/S300.
- TRUSSES LABELED TO MATCH THE TRUSS MANUFACTURE'S ENGINEERING.
   SCANDINAVIAN PROFILE SHEAR WALL TYPES AND LOCATION ARE DENOTED
- THUS: 

  ON PLAN. SEE SCHEDULE INTERIOR SCANDINAVIAN PROFILE SHEAR

  WALLS ARE DENOTED THUS: 

  ON PLAN.

10. ALL EXTERIOR SCANDINAVIAN PROFILE WALLS SHALL BE TYPE UNLESS NOTED OTHERWISE.	1	SHEAR WALL CONSTRUCTION
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	HOLDOWNS		ANCHOR	ANCHOR EMBEDMENT INTO
TYPE	NOTES		SIZE	FDN. WALL
•	= (2) SIMPSON HDU14-SDS2.5	H.	1"	60"
•	= SIMPSON HDU11 - SDS2.5	Н. Ј.	1"	42"
<b>V</b>	= SIMPSON HDU5 - SDS2.5	F. G.	5/8"	9"
Т	= SIMPSON HDU8 - SDS2.5	Н. К.	7/8"	10 1/2"



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Phone 435-513-0355
Fax
Project No.
Cad File

Drawn
Checked

PIONEER CABIN
HORIZON NEIGHBORHOOD
Summit Powder Mountain

BUILDER
Company Name

Park City, Utah 84098 hone

Fax

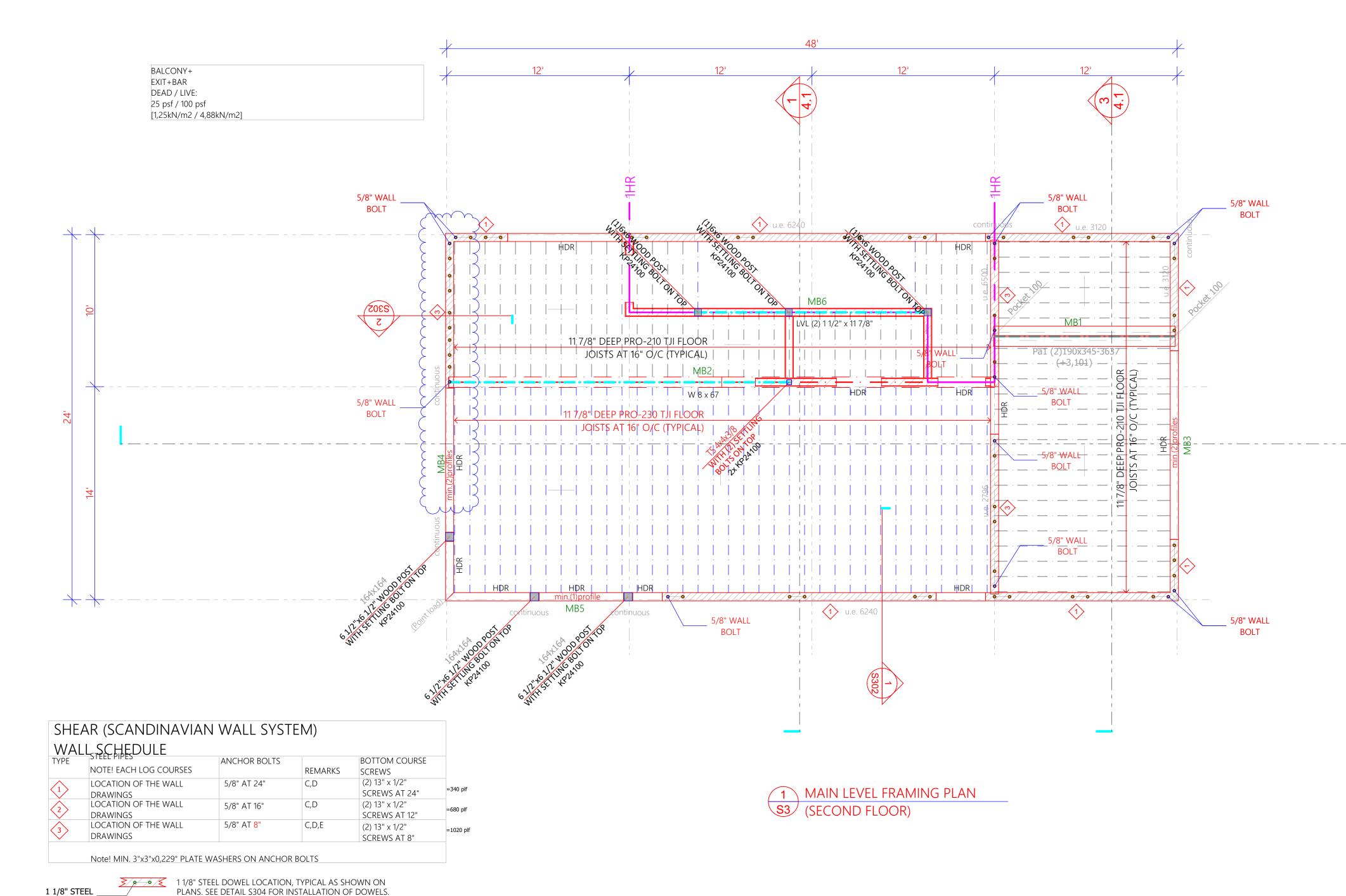
Drawing Date 7-17-2019

Scale 1/4" = 1'-0"

Signature and Date

Scale 1/4" = 1'-0"
Title/No.
LOWER LEVEL
FRAMING PLAN
BUILDER/ DEALER'S APPROVAL:

SZ



DOWELS

5/8" WALL CORNER BOLT LOCATION, TYPICAL AS SHOWN ON

PLANS. SEE DETAIL S304 FOR INSTALLATION OF STEEL BOLTS.

SHEAR WALL SCHEDULE EDGE NAILING ANCHORS MATERIAL 16d COMMON @6" O.C. OR =SW1 7/16" APA 8d @ 6"O/C 5/8" AT 32" A,B,C,D 16d COMMON @4" O.C. /2\ =SW2 | 7/16" APA OR 5/8" AT 32" A,B,C,D =350 plf 16d COMMON @3" O.C. 4 =SW4 7/16" APA 8d @ 3"O/C OR 5/8" AT 32" A,B,C,D,E =490 plf 16d COMMON @3" O.C. OR 5 =sw5 7/16" APA 8d @ 2"O/C 5/8" AT 24" A,B,C,D,E =600 plf 7/16" APA SDS25500 @ 3" O.C. =sw7 Both sides OR 5/8" AT 16" A,B,C,D,E 15/32" APA (2)SDS25500 @ 3" O.C. STRUCTURAL 1 10d @ 2"O/C OR 5/8" AT 8" Note! MIN. 3"x3"x0,229" PLATE WASHERS ON ANCHOR BOLTS

#### NOTES

- 1. LVL DENOTES 1.9E MICROLLAM BY TRUS JOIST MACMILLAN OR EQUIVALENT.
- 2. DECK LEDGER BOARDS MUST BE TRATED WHEN USING TJI, BCI or LPI RIM BOARDS.
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- C: ALL HARDWARE SHALL BE 'SIMPSON STRONG TIE' OR APPROVED
- D: ALL SILL PLATES SHALL BE 2x PRESSURE TREATED D.F. UNLESS OTHERWISE NOTED WITH A MINIMUM OF 2 A.B. PER PLATE. ONE A.B. WITHIN 12" FROM EA. END.
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- F: USE SIMPSON SB 5/8" x 24" EMBED 18" MIN. INTO STEM WALL
  - -> FOR STEM WALL INSTALATION.
- G: 3" MINIMUM POST
- H: 5 1/2" MINIMUM POST
- J: USE SIMPSON SB 1" x 30" EMBED 14" MIN. INTO STEM WALL -> FOR STEM WALL INSTALATION.
- K: USE SIMPSON SB 7/8" x 24" EMBED 18" MIN. INTO STEM WALL

	FLOOR BEAM SCHEDULE
MARK	GLULAM (FIN), LVL OR SAWN BEAMS
MB1	(2) 7 1/2" x 13 5/8" GLULAM (FIN)
MB2	W 8 x 67
MB3	(2) 6 1/2" x 5 1/8" GLULAM PROFILES
$ \phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	(2) C 1/2" v F 1/9" CLU ANA PROFUES
MB4	(2) 6 1/2" x 5 1/8" GLULAM PROFILES
MB5	(1) 6 1/2" x 5 1/8" GLULAM PROFILE
MB6	LVL (2) 1 1/2" x 11 7/8"
(*) TIE MU	LTIBLE PLY MEMBERS TOGETHER (DTL 2/S2)

	STU	JD HEIG	HT CH	ART	
STUD	GRADE	SPACING	MAX HT.	LOCATION	NOTES
2x6	STUD	16" O.C.	10'-0"	EXTERIOR	
2x6	STUD	12" O.C.	14'-0"	EXTERIOR	
2x6	DFLN #2	12" O C	16'-0"	FXTFRIOR	

## FRAMING PLAN NOTES

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- 3. SHEAR WALL TYPES AND LOCATION ARE DENOTED THUS: /x ON PLAN. SEE SCHEDULE INTERIOR SHEAR WALLS ARE DENOTED THUS: ON PLAN.
- 4. ALL EXTERIOR WALLS SHALL BE TYPE 1 SHEAR WALL CONSTRUCTION UNLESS NOTED OTHERWISE.
- 5. REFER TO DETAILS, GENERAL STRUCTURAL NOTES AND SHEAR WALL SCHEDULE
- FOR TYPICAL SHEAR WALL/BEARING WALL CONSTRUCTION.
- 6. REFER TO GENERAL STRUCTURAL NOTES SHEET SO FOR ADDITIONAL INFORMATION. 7. WHERE ROCK VENEER OCCURS REFER TO DETAIL R/S300.
- 8. TRUSSES LABELED TO MATCH THE TRUSS MANUFACTURE'S ENGINEERING.
- 9. SCANDINAYIAN PROFILE SHEAR WALL TYPES AND LOCATION ARE DENOTED THUS: 

  ON PLAN. SEE SCHEDULE INTERIOR SCANDINAVIAN PROFILE SHEAR
- WALLS ARE DENOTED THUS: ON PLAN. 10. ALL EXTERIOR SCANDINAVIAN PROFILE WALLS SHALL BE TYPE (1) SHEAR WALL CONSTRUCTION UNLESS NOTED OTHERWISE.

	HOLDOWNS		ANCHOR	ANCHOR EMBEDMENT INTO
TYPE	NOTES		SIZE	FDN. WALL
•	= (2) SIMPSON HDU14-SDS2.5	Н.	1"	60"
•	= SIMPSON HDU11 - SDS2.5	Н. Ј.	1"	42"
<b>V</b>	= SIMPSON HDU5 - SDS2.5	F. G.	5/8"	9"
Т	= SIMPSON HDU8 - SDS2.5	Н. К.	7/8"	10 1/2"



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> Designer: MacKay-Lyons Sweetapple Architects Ltd.



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ARCHITECTURAL OFFICE

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PIONEER CA HORIZON NEIGHB

BUILDER Company Name

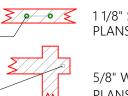
Address Park City, Utah 84098

7-17-2019 1/4" = 1' -0" MAIN LEVEL FRAMING PLAN

BUILDER/ DEALER'S APPROVAL

Signature and Date

#### SHEAR (SCANDINAVIAN WALL SYSTEM) WALL SCHEDULE BOTTOM COURSE ANCHOR BOLTS STEEL PIPES NOTE! EACH LOG COURSES REMARKS SCREWS (2) 13" x 1/2" LOCATION OF THE WALL 5/8" AT 24" SCREWS AT 24" (2) 13" x 1/2" DRAWINGS LOCATION OF THE WALL 5/8" AT 16" SCREWS AT 12" DRAWINGS (2) 13" x 1/2" 5/8" AT 8" LOCATION OF THE WALL SCREWS AT 8" DRAWINGS Note! MIN. 3"x3"x0,229" PLATE WASHERS ON ANCHOR BOLTS



1 1/8" STEEL DOWEL LOCATION, TYPICAL AS SHOWN ON PLANS. SEE DETAIL S304 FOR INSTALLATION OF DOWELS.

> 5/8" WALL CORNER BOLT LOCATION, TYPICAL AS SHOWN ON PLANS. SEE DETAIL S304 FOR INSTALLATION OF STEEL BOLTS.

	NAA TEDIA I		SILL PLATE	DEL LA DICC		
TYPE	MATERIAL	EDGE NAILING	ANCHORS	REMARKS		
=SW1			16d COMMON @6" O.C. OR			
<u>/1</u> 31	7/16" APA	8d @ 6"O/C	5/8" AT 32"	A,B,C,D	=260 p	
Λ		,	16d COMMON @4" O.C.			
2 =SW2	7/16" APA	8d @ 4"O/C	OR 5/8" AT 32"	A,B,C,D	=350 p	
=SW4		,	16d COMMON @3" O.C.	7-7-7-		
	7/16" APA	8d @ 3"O/C	OR 5/8" AT 32"	A,B,C,D,E	=490 p	
$\wedge$			16d COMMON @3" O.C. O			
5 =SW5	7/16" APA	8d @ 2"O/C	5/8" AT 24"	A,B,C,D,E	=600 p	
$\wedge$	7/16" APA		SDS25500 @ 3" O.C.			
7 =SW7	Both sides	8d @ 3"O/C	OR 5/8" AT 16"	A,B,C,D,E		
10 =SW10	15/32" APA		(2)SDS25500 @ 3" O.C.			
	STRUCTURAL 1	10d @ 2"O/C	OR 5/8" AT 8"	A,B,C,D,E		

#### NOTES

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- G: 3" MINIMUM POST
- H: 5 1/2" MINIMUM POST
- J: USE SIMPSON SB 1" x 30" EMBED 14" MIN. INTO STEM WALL -> FOR STEM WALL INSTALATION.
- K: USE SIMPSON SB 7/8" x 24" EMBED 18" MIN. INTO STEM WALL

	ROOF BEAM SCHEDULE
MARK	GLULAM (FIN), LVL OR SAWN BEAMS
RB1	(3) 6 1/2" x 10 1/4" GLULAM PROFILES
RB2	(2) 6 1/2" x 5 1/8" GLULAM PROFILES
RB3	(2) 6 1/2" x 5 1/8" GLULAM PROFILES
RB4	(3) 6 1/2" x 5 1/8" GLULAM PROFILES
RB5	(4) 6 1/2" x 5 1/8" GLULAM PROFILES

## (\*) TIE MULTIBLE PLY MEMBERS TOGETHER (DTL 2/S2)

STUD HEIGHT CHART								
STUD	GRADE	SPACING	MAX HT.	LOCATION	NOTES			
2x6	STUD	16" O.C.	10'-0"	EXTERIOR				
2x6	STUD	12" O.C.	14'-0"	EXTERIOR				
2x6	DFLN #2	12" O.C.	16'-0"	EXTERIOR				

## FRAMING PLAN NOTES

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- 3. SHEAR WALL TYPES AND LOCATION ARE DENOTED THUS: 💉 ON PLAN. SEE SCHEDULE INTERIOR SHEAR WALLS ARE DENOTED THUS: ON PLAN.
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- 7. WHERE ROCK VENEER OCCURS REFER TO DETAIL R/S300.
- 8. TRUSSES LABELED TO MATCH THE TRUSS MANUFACTURE'S ENGINEERING.
- 9. SCANDINAVIAN PROFILE SHEAR WALL TYPES AND LOCATION ARE DENOTED THUS: x ON PLAN. SEE SCHEDULE INTERIOR SCANDINAVIAN PROFILE SHEAR
- WALLS ARE DENOTED THUS: ON PLAN. 10. ALL EXTERIOR SCANDINAVIAN PROFILE WALLS SHALL BE TYPE 1 SHEAR WALL CONSTRUCTION UNLESS NOTED OTHERWISE.

	===		ANCHOR	ANCHOR EMBEDMENT INTO
TYPE	NOTES	SIZE	FDN. WALL	
<b>♦</b>	= (2) SIMPSON HDU14-SDS2.5	H.	1"	60"
•	= SIMPSON HDU11 - SDS2.5	Н. Ј.	1"	42"
▼	= SIMPSON HDU5 - SDS2.5	F. G.	5/8"	9"
T	= SIMPSON HDU8 - SDS2.5	Н. К.	7/8"	10 1/2"
+	= SIMPSON STHD14			



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ARCHITECTURAL OFFICE MacKay-Lyons Sweetapple Architects Ltd. (Scandinavian LLC) 6410 N. Business Park Loop Rd. Unit E

Phone 435-513-0355 Project No.

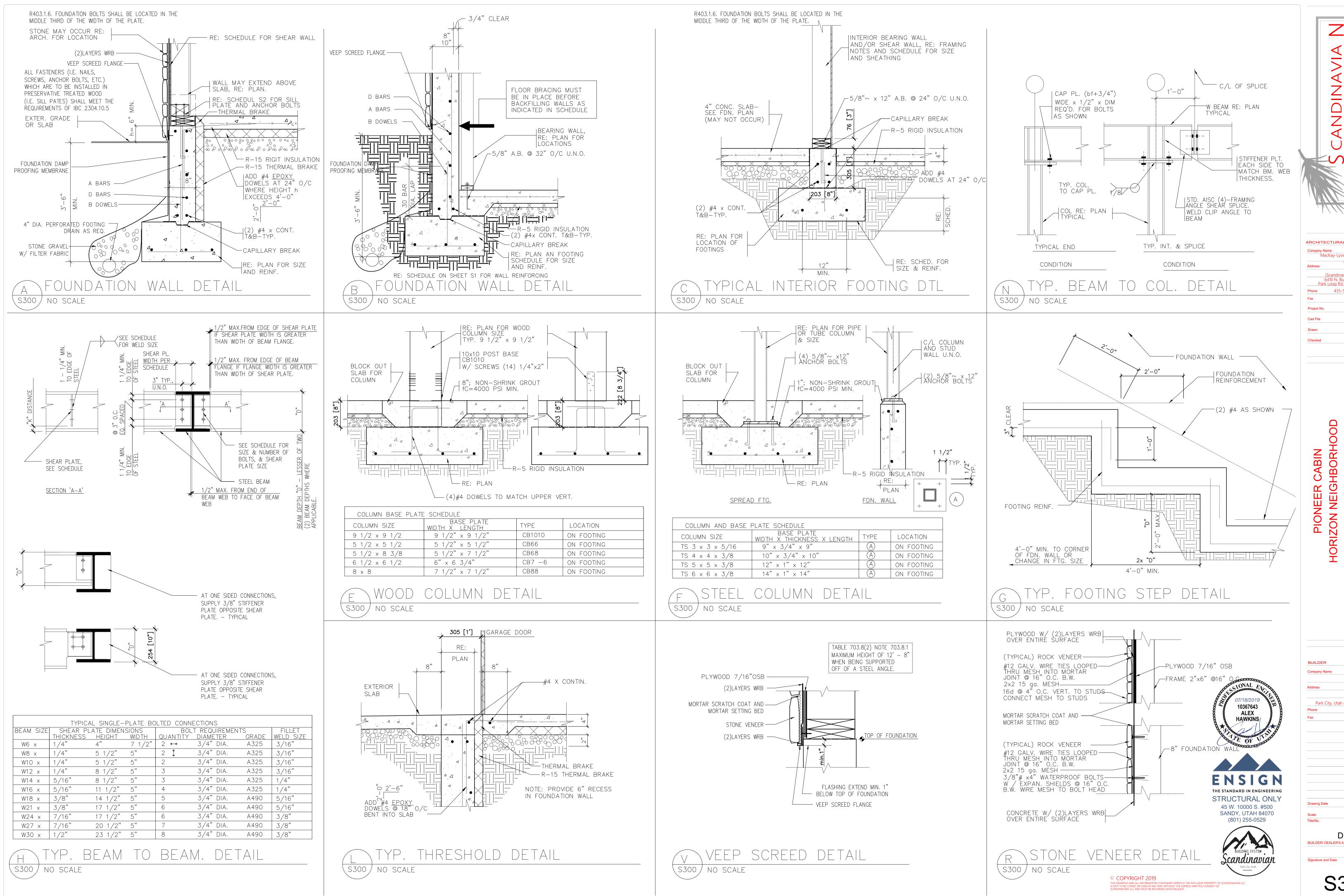
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BUILDER

Park City, Utah 84098

7-17-2019 1/4" = 1' -0"

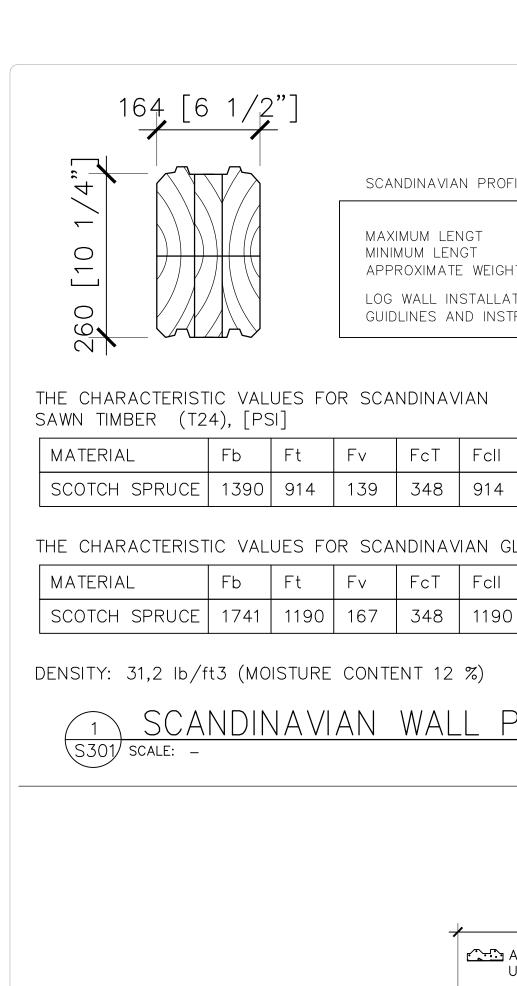
FRAMING PLAN Signature and Date



ARCHITECTURAL OFFICE Company Name
MacKay-Lyons Sweetapple Architects Ltd. (Scandinavian LLC) 6410 N. Business Park Loop Rd. Unit E Phone 435-513-0355

Park City, Utah 84098

7-17-2019 DETAILS BUILDER/ DEALER'S APPROVAL



SCANDINAVIAN PROFILE (MLL 164)

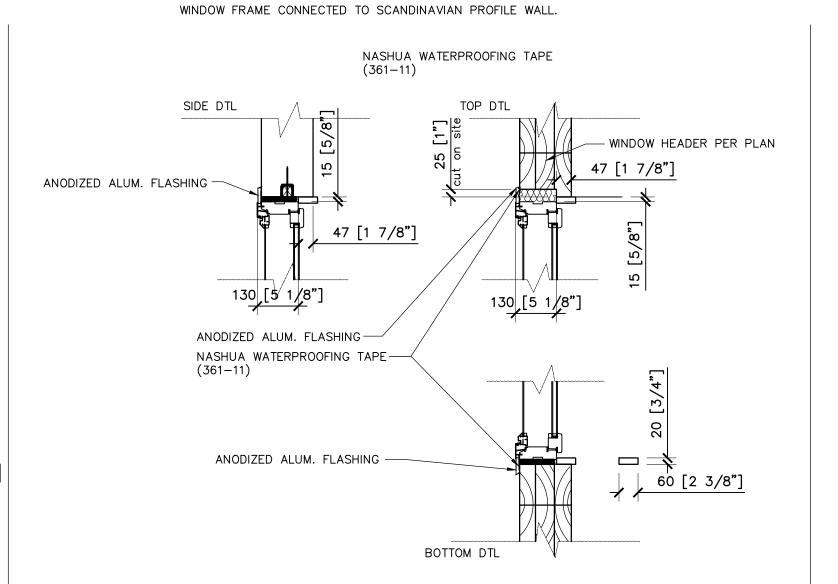
MAXIMUM LENGT 39 ft MINIMUM LENGT 1 ft APPROXIMATE WEIGHT 14 lb / ft LOG WALL INSTALLATION PER MANUFACTURES GUIDLINES AND INSTRUCTIONS

SAWN HMBER (124), [PSI]							
	MATERIAL	Fb	Ft	F٧	FcT	FcII	мое
	SCOTCH SPRUCE	1390	914	139	348	914	943000

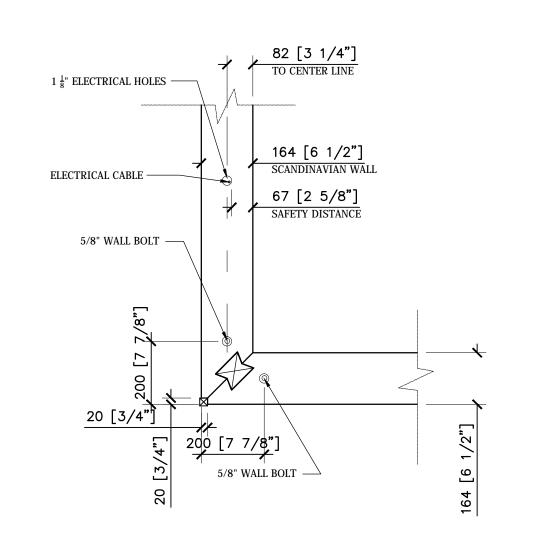
THE CHARACTERISTIC VALUES FOR SCANDINAVIAN GLUE LAM BEAMS (L30), [PSI] FcT FcII MOE F٧ 1015965

DENSITY: 31,2 lb/ft3 (MOISTURE CONTENT 12 %)

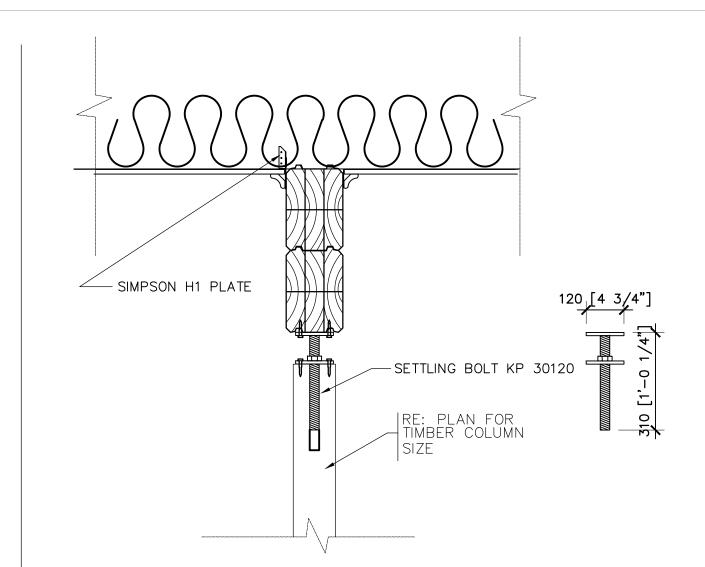




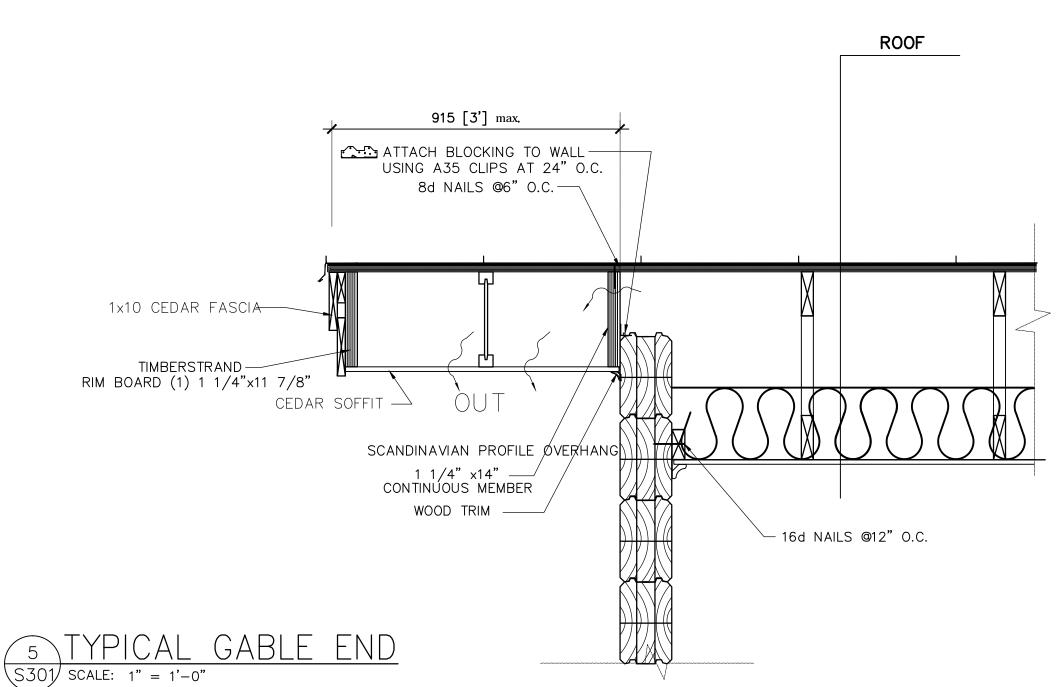
TYP. WINDOW DTL#1



3 TYPICAL CORNER DETAIL (S301) SCALE: 1" = 1'-0"

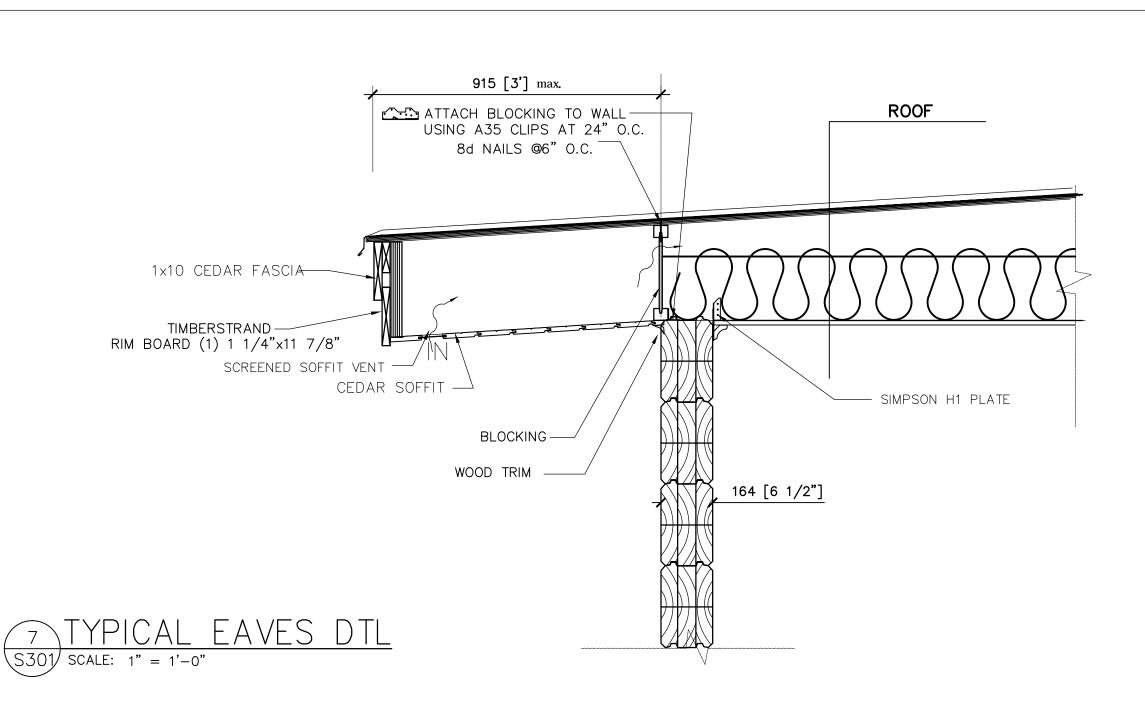


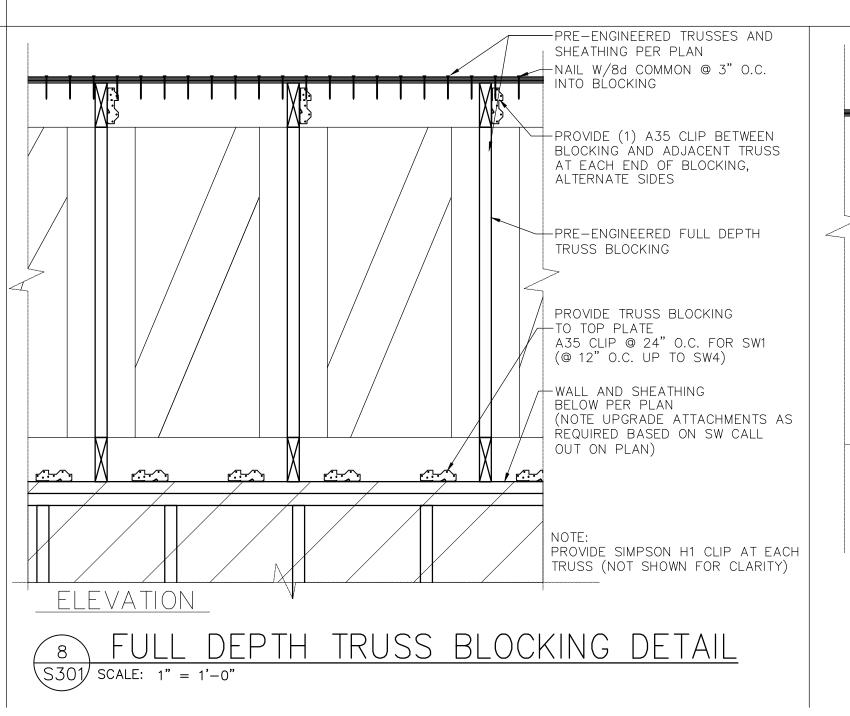
4 TYPICAL COLUMN / BEAM DETAIL S301 SCALE: 1" = 1'-0"

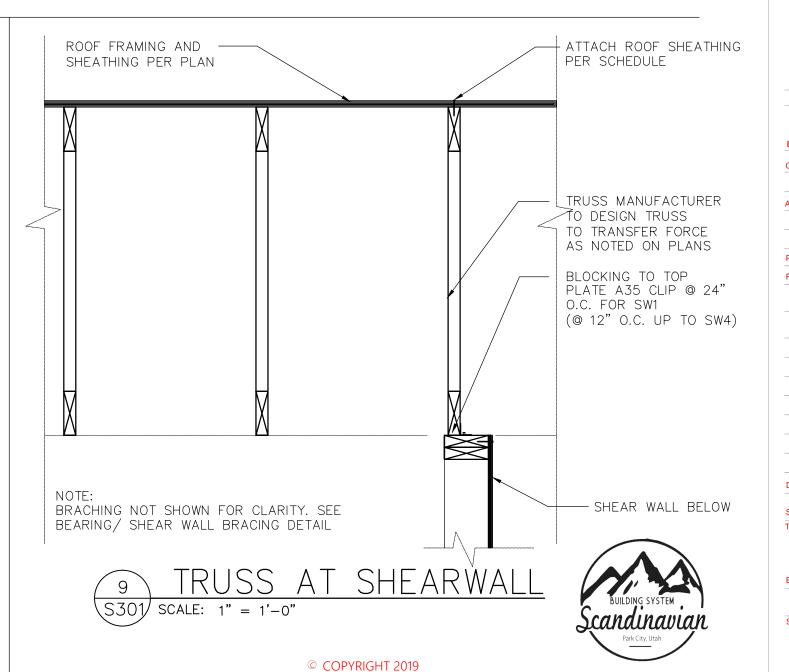


ROOF A CONTNOUS RIDGE VENT OR GABLE LOUVER AT EACH END SHALL BE INSTALLED. 915 [3'] max. 1/2" TO ALLOW AIR PASSAGE. "BAFFLE" AIR DUCK TRAY SHALL BE INSTALLED BETWEEN THE TRUSSES. 8d NAILS @6" O.C.-BLOCKING PANEL-TOP OF WAL -GYP.BOARD 5/8"x (GARAGE SIDE) ---- SIMPSON H1 PLATE 1x10 CEDAR FASCIA-- ATTACH BLOCKING TO WALL USING A35 CLIPS AT 24" O.C. TIMBERSTRAND
RIM BOARD 1 1/4"x11 7/8" 6 TYPICAL EAVES DTL SCREENED SOFFIT VENT CEDAR SOFFIT S301/SCALE: 1" = 1'-0"WOOD TRIM -









ANDINA

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MacKay-Lyons Sweetapple Architects Ltd. (Scandinavian LLC) 6410 N. Business Park Loop Rd. Unit E Phone 435-513-0355 Project No.

Cad File

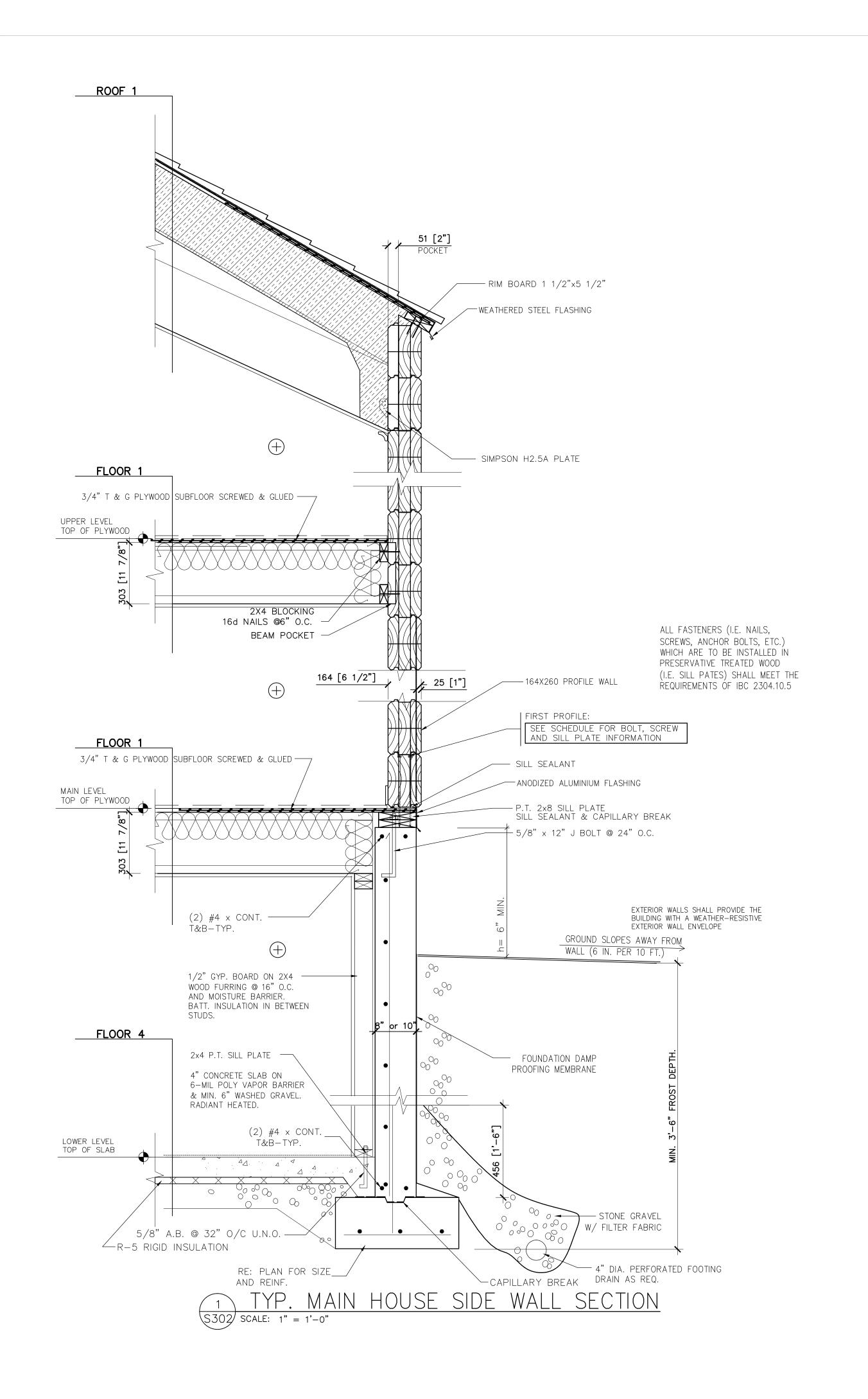
PIONEER CABIN HORIZON NEIGHBORHOO

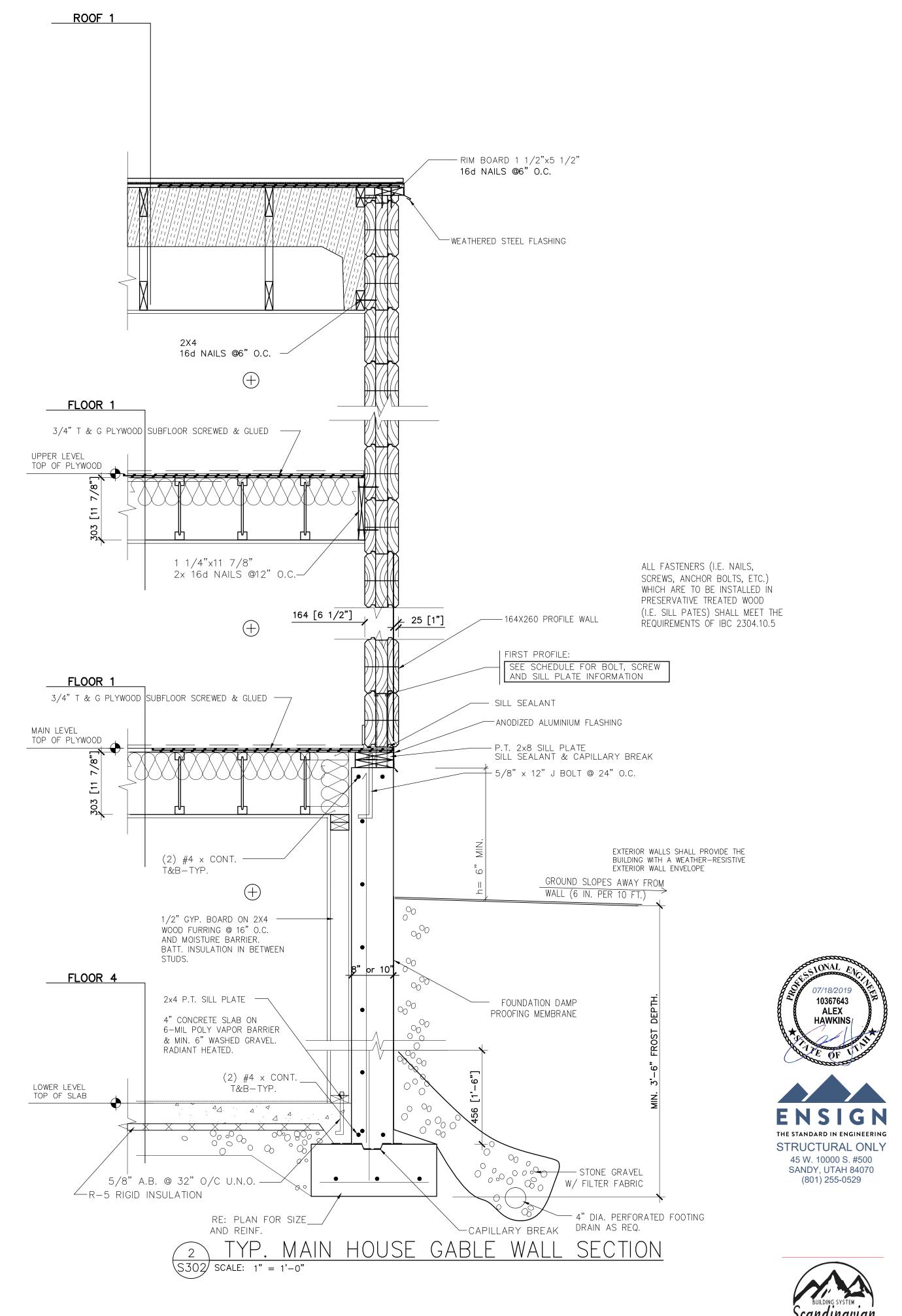
BUILDER Company Name

Park City, Utah 84098

7-17-2019 1" = 1' -0"

DETAILS BUILDER/ DEALER'S APPROVAL : Signature and Date





ANDIN,

ARCHITECTURAL OFFICE Company Name

MacKay-Lyons Sweetapple Architects Ltd. (Scandinavian LLC) 6410 N. Business Park Loop Rd. Unit E Phone 435-513-0355

Project No.

Cad File

PIONEER CAE
HORIZON NEIGHBC
Summit Powder Mount
Horizon Run Road, Eder

BUILDER

Company Name Address

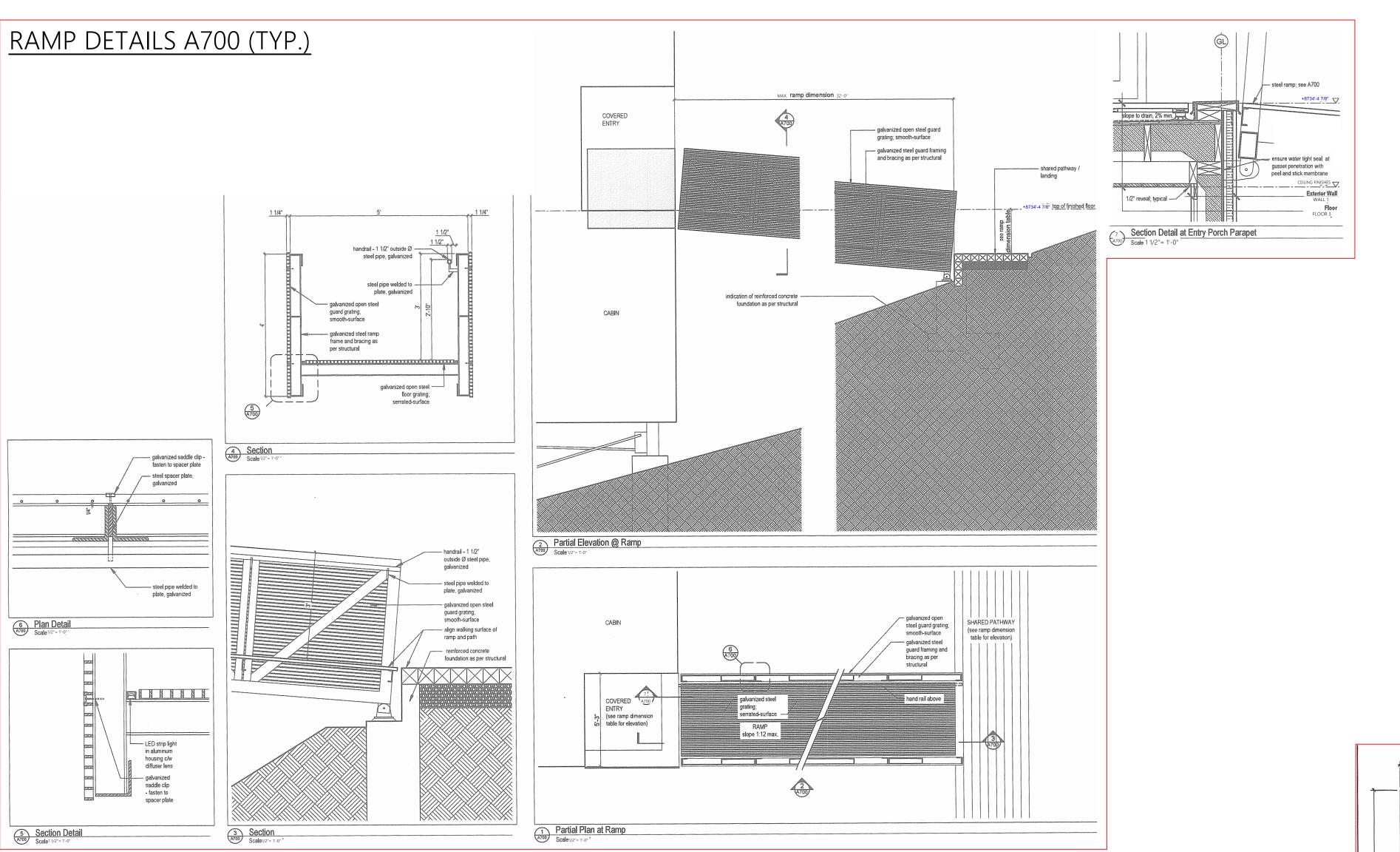
Park City, Utah 84098

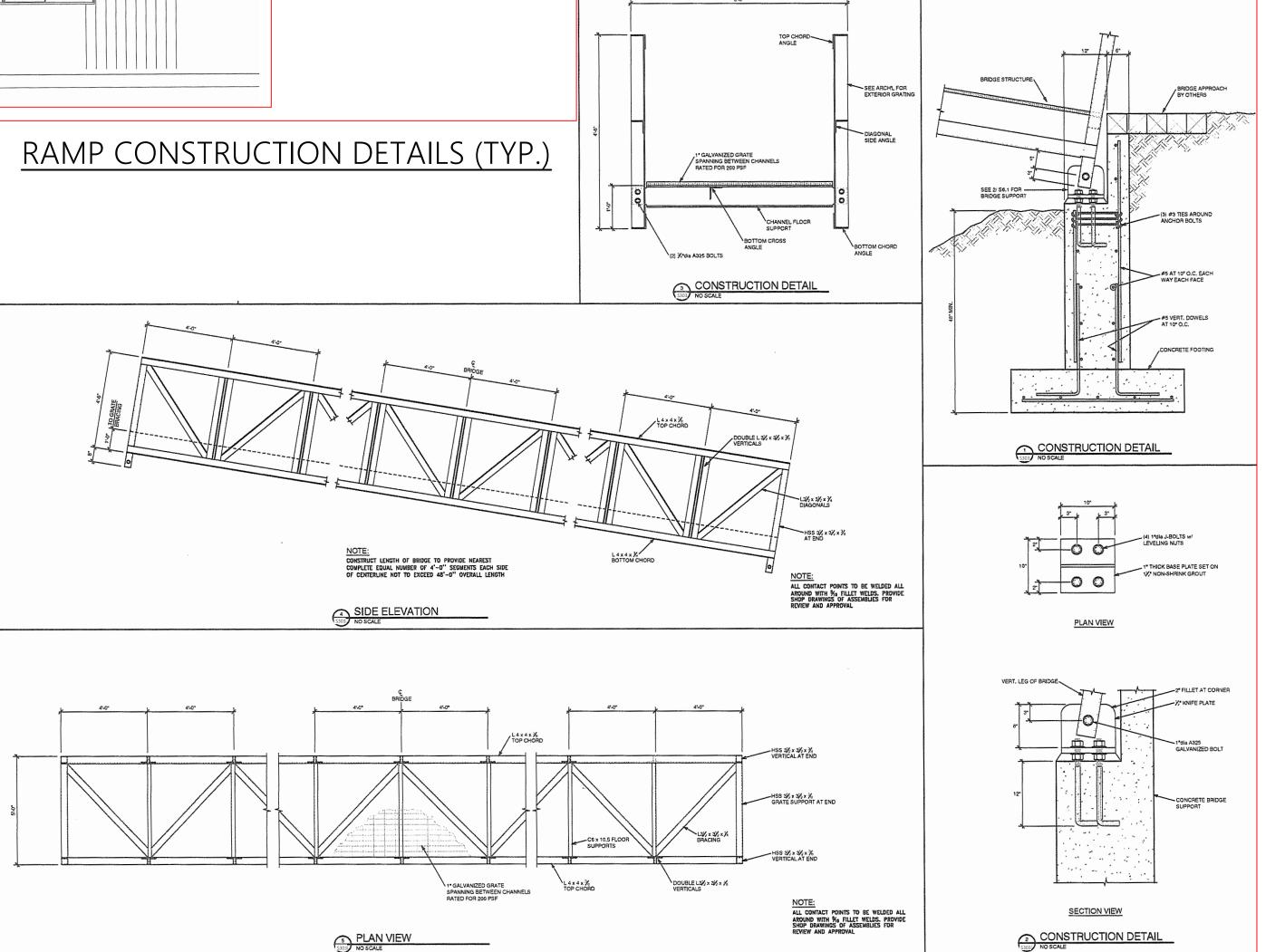
7-17-2019 1" = 1' -0"

**DETAILS** BUILDER/ DEALER'S APPROVAL :

Signature and Date

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ARCHITECTURAL OFFICE
Company Name
 MacKay-Lyons Sweetapple
 Architects-Ltd.
Address

(Scandinavian LLC)
 6410 N. Business
 Park Loop Rd. Unit E
Phone 435-513-0355

Fax

Project No.

Cad File

Drawn

Checked

PIONEER CABIN
HORIZON NEIGHBORHOOD
Summit Powder Mountain

BUILDER
Company Name

Address

Park City, Utah 84098

Phone

Fax

Drawing Date 7-17-201

Scale 1/2" = 1' 
Title/No.

RAMP DETAILS
BUILDER/ DEALER'S APPROVAL:

Signature and Date

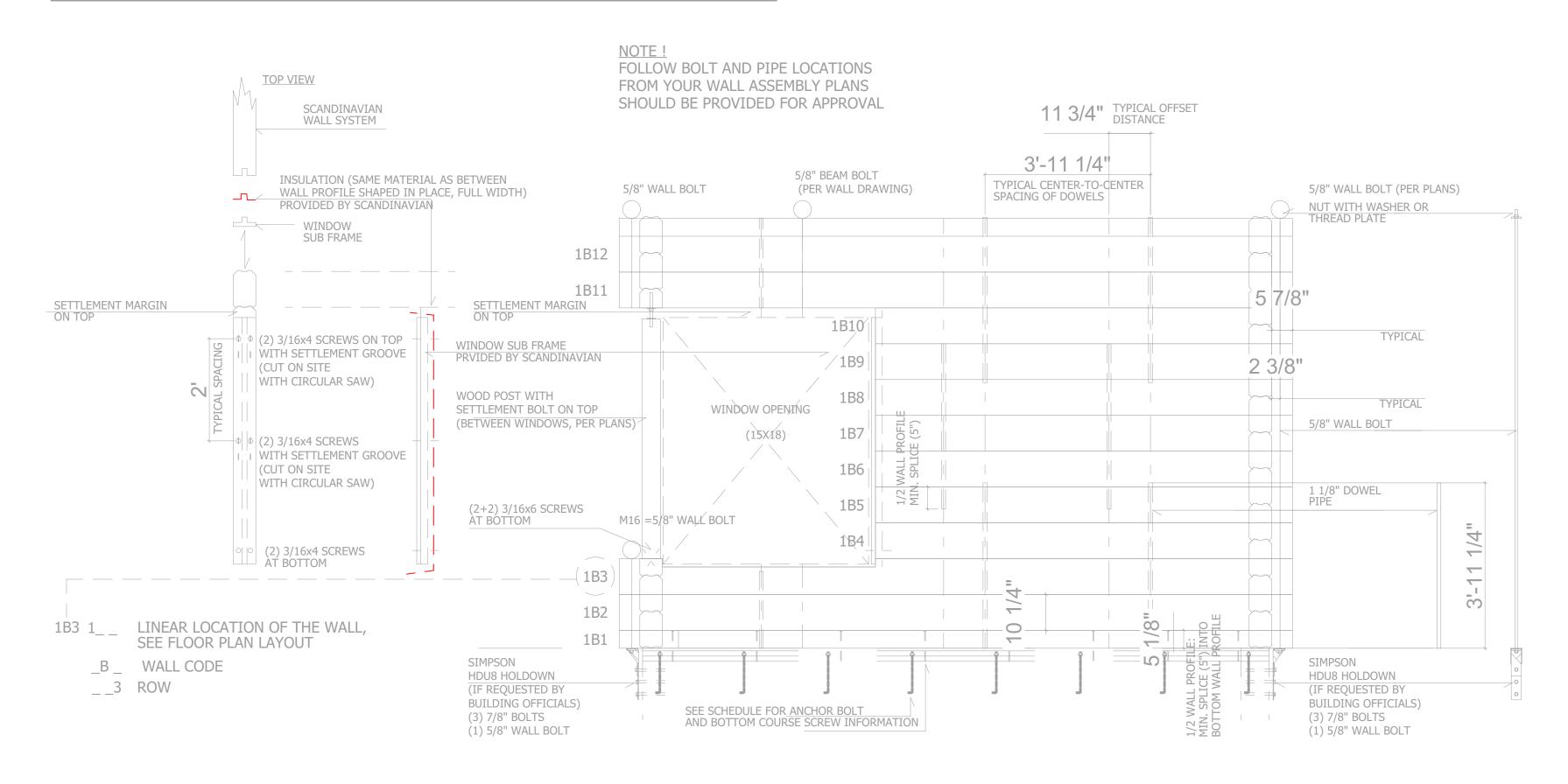
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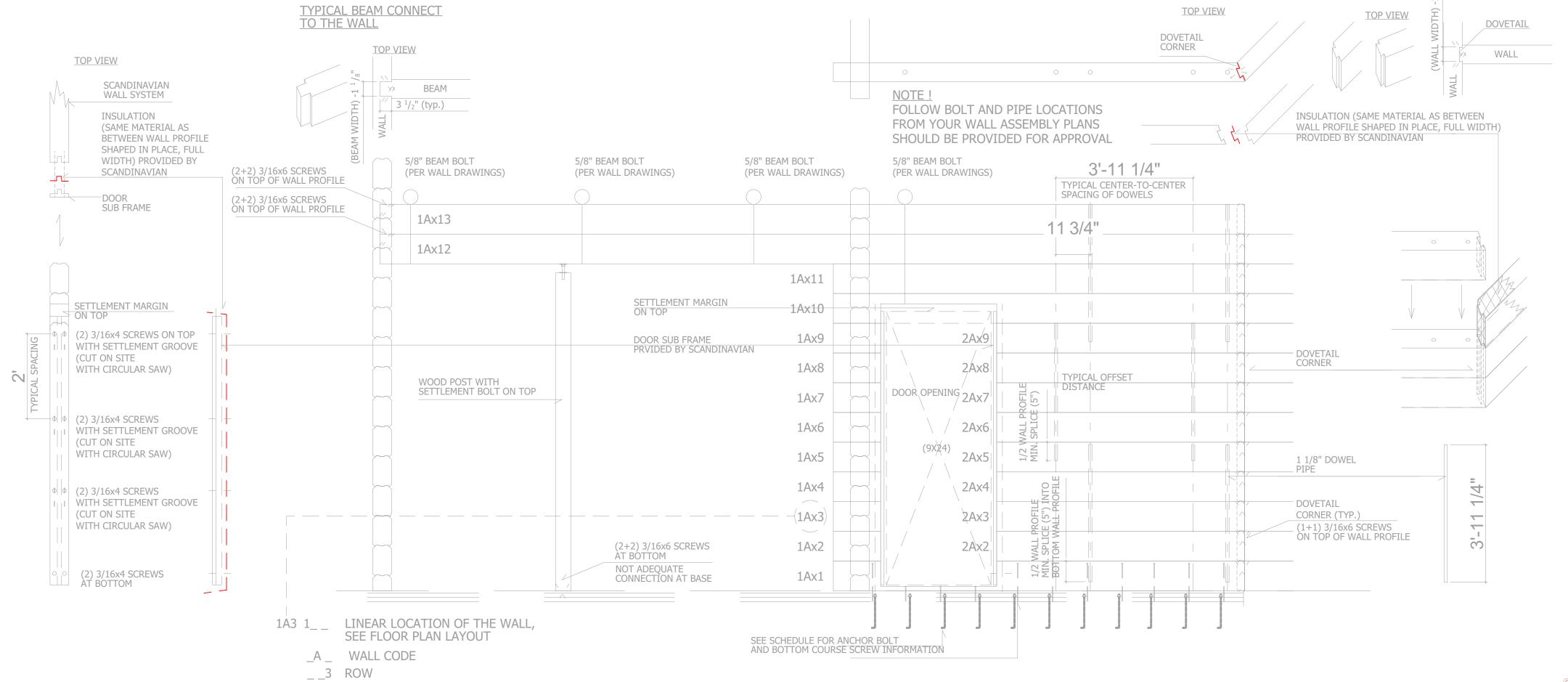
Designer: MacKay-Lyons

Sweetapple Architects Ltd.

## TYPICAL SCANDINAVIAN WALL SECTION



# TYPICAL SCANDINAVIAN WALL SECTION





Company Name

MacKay-Lyons Sweetapple Architects Ltd. (Scandinavian LLC) 6410 N. Business Park Loop Rd. Unit E Phone 435-513-0355

Project No. Cad File

ABIN BORHOOI PIONEER CAE
HORIZON NEIGHBC
Summit Powder Mount
Horizon Run Road, Eder

BUILDER Company Name

Park City, Utah 84098

Address

**ENSIGN** THE STANDARD IN ENGINEERING STRUCTURAL ONLY 45 W. 10000 S. #500 SANDY, UTAH 84070

10367643

**ALEX** 

TYPICAL WALL CONNECT TO THE WALL

Designer: MacKay-Lyons Sweetapple Architects Ltd.

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(801) 255-0529

SCANDINAVIAN WALL SECTION BUILDER/ DEALER'S APPROVAL : Signature and Date

S304

7-17-2019

1/2" = 1' -0"