

KINGSBURY

Powder Mountain, Lot # 86R
 8549 E. Spring Park,
 Weber County, Utah
 Build by:

Scandinavian LLC

DRAWING INDEX:

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- S301-S303 DETAILS
- S304 SCANDINAVIAN WALL SECTION (TYP.)



Building
dreams into
legacies

DEFERRED

SUBMITTAL ITEMS

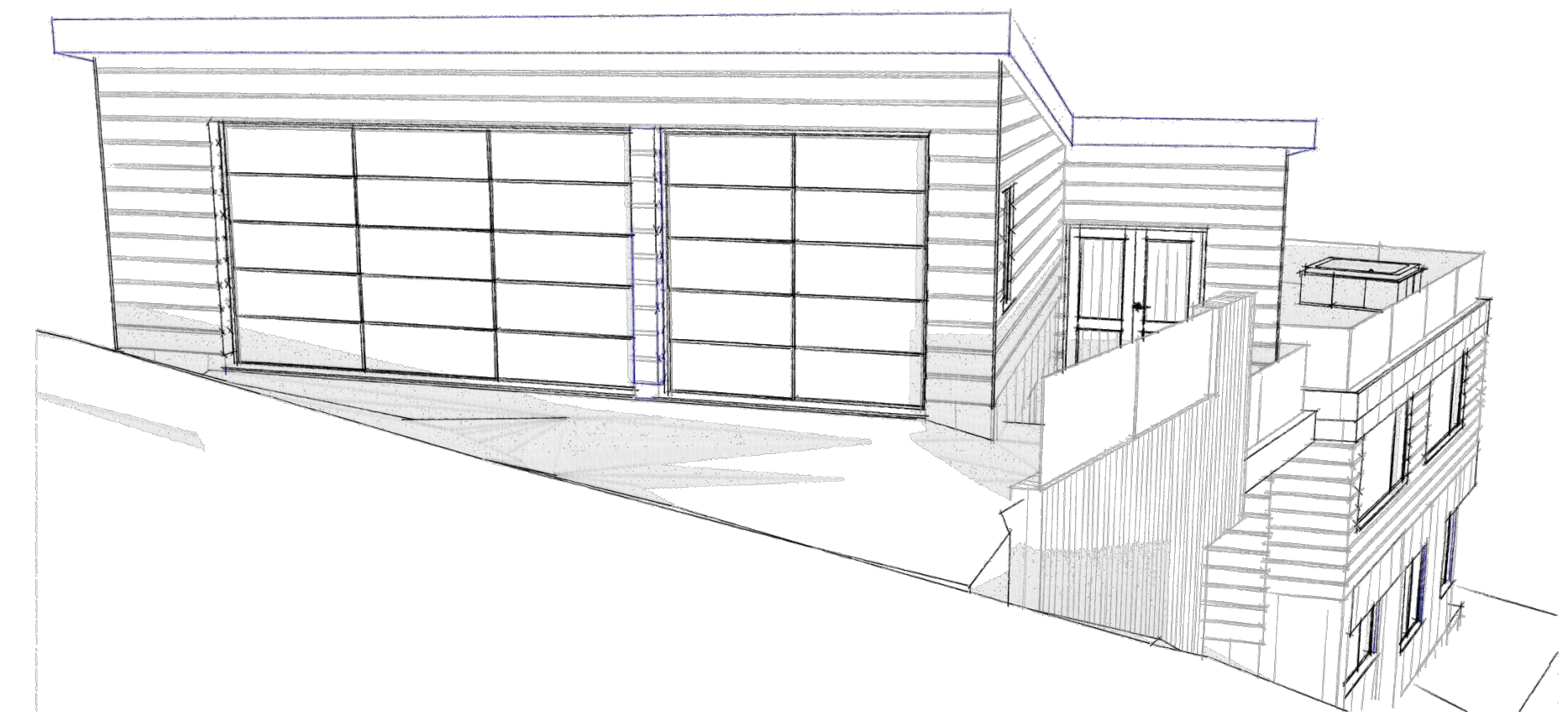
BUILDING CODES USED FOR DESIGN:
 IRC 2015 AS AMENDED BY THE STATE OF UTAH.

-FIRE SPRINKLER
 SYSTEM

-RADIANT HEATING
 SYSTEM

-FIREPLACE PRODUCT
 INFORMATION

-AIR LEAKAGE TEST AS
 PERFORMANCE METHOD
 (BLOWER DOOR TEST)
 CODE N1102.4.1.2



SCANDINAVIAN
 LLC

ARCHITECTURAL OFFICE

Company Name
 Scandinavian LLC
 Address
 6410 N. Business
 Park Loop Rd. Unit E
 Phone
 435-513-0355
 Fax
 Project No.
 Cad File
 Drawn
 Checked

A New Residence:
BLAKE KINGSBURY
 Summit Powder Mountain, Lot # 86R
 8549 E. Spring Park, Weber County, Utah

BUILDER
 Company Name
 Address
 Park City, Utah 84098
 Phone
 Fax

Drawing Date 11-28-2019

Scale
 Title No.

COVER SHEET

BUILDER/DEALER'S APPROVAL:

Signature and Date



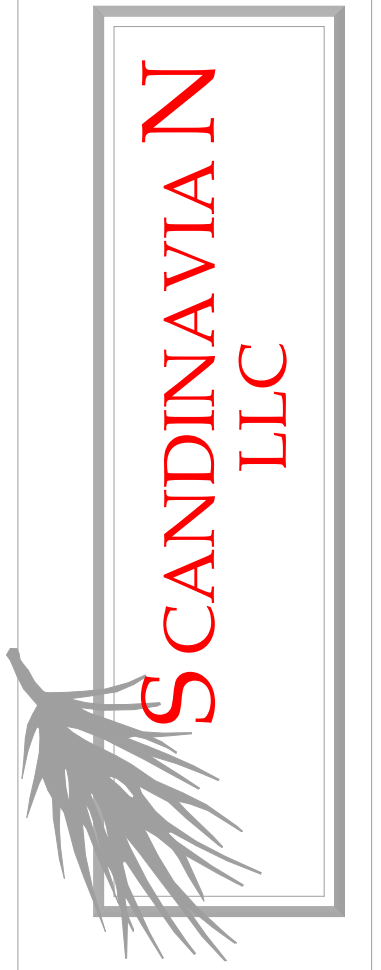
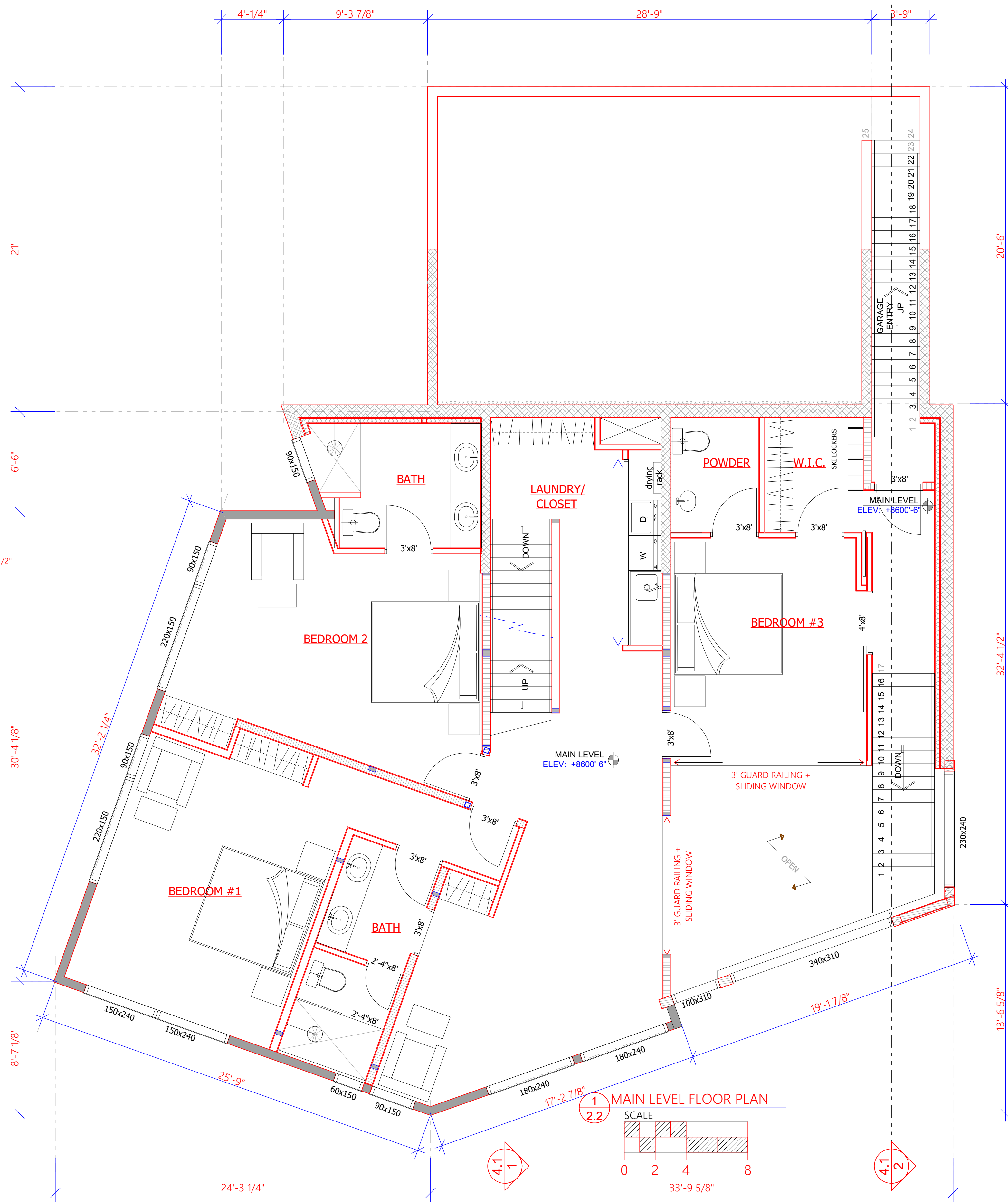
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| AREA CALCULATION | |
|---|-------------------|
| UPPER LEVEL FLOOR PLAN | 1 144 sqft |
| (3) CAR GARAGE | 686 sqft |
| MAIN LEVEL FLOOR PLAN | 1 712 sqft |
| GARAGE ENTRY | 25 sqft |
| LOWER LEVEL FLOOR PLAN, (ABOVE EXISTING GRADE) | 106 sqft |
| LOWER LEVEL FLOOR PLAN, (BELOW EXISTING GRADE) | 1715 sqft |
| MECHANICAL / STORAGE, (BELOW EXISTING GRADE) | 79 sqft |
| TOTAL HEATED AREA | 5 467 sqft |
| UNHEATED AREAS | - sqft |
| TOTAL BUILDING AREA | 5 467 sqft |
| TOTAL BUILDING AREA (ABOVE EXISTING GRADE) | 3673 sqft |
| TOTAL BUILDING AREA (BELOW EXISTING GRADE) | 1794 sqft |

NOTE:
ROOM AREAS SHOWN BELOW
ROOM NAMES ARE APPROXIMATE
ALL FRAMING STUDS ARE 16"

WALL LEGEND:

- WALL 1:**
6 1/2" - RECTANGULAR LAMINATED PROFILE WALL 6 1/2" [164x260]
- WALL 2:**
8 5/8" - RECTANGULAR LAMINATED PROFILE WALL 6 1/2"
- 2"x2" FURRING WALL @16" O.C.
* SLIDING CONNECTORS, (INSULATION)
- GYP. BOARD 1/2"
- DAMP-PROOF COURSE
- TILE
- WALL 3:**
7 5/8" - 3 1/2" CONCRETE VENEER or 3/4" CEDAR SHIPLAP CLADDING or WEATHERED STEEL PANELS
- TYVEK
- PLYWOOD 7/16"
- 2"x6" STUD FRAMING @16" O.C.
* R-19 BATT INSULATION
- MOISTURE BARRIER
- GYP. BOARD 1/2"
- WALL 4:**
1'-2 1/2" - 10" CONCRETE WALL
- 3/4" FURRING
- 2"x4" FURRING WALL @16" O.C.
* BATT INSULATION
- MOISTURE BARRIER
- 1/2" GYP. BOARD
- WALL 5:**
4 5/8" - GYP. BOARD 1/2"
- 2"x4" STUD FRAMING @16" O.C.
- GYP. BOARD 1/2"
- DAMP-PROOF COURSE
- TILE
- WALL 6:**
6 3/4" - GYP. BOARD 1/2"
- 2"x6" STUD FRAMING @16" O.C.
- GYP. BOARD 1/2"



ARCHITECTURAL OFFICE
Company Name: Scandinavian LLC
Address: 6410 N. Business Park Loop Rd. Unit E
Phone: 435-513-0355
Fax:
Project No.:
Cad File:
Drawn:
Checked:

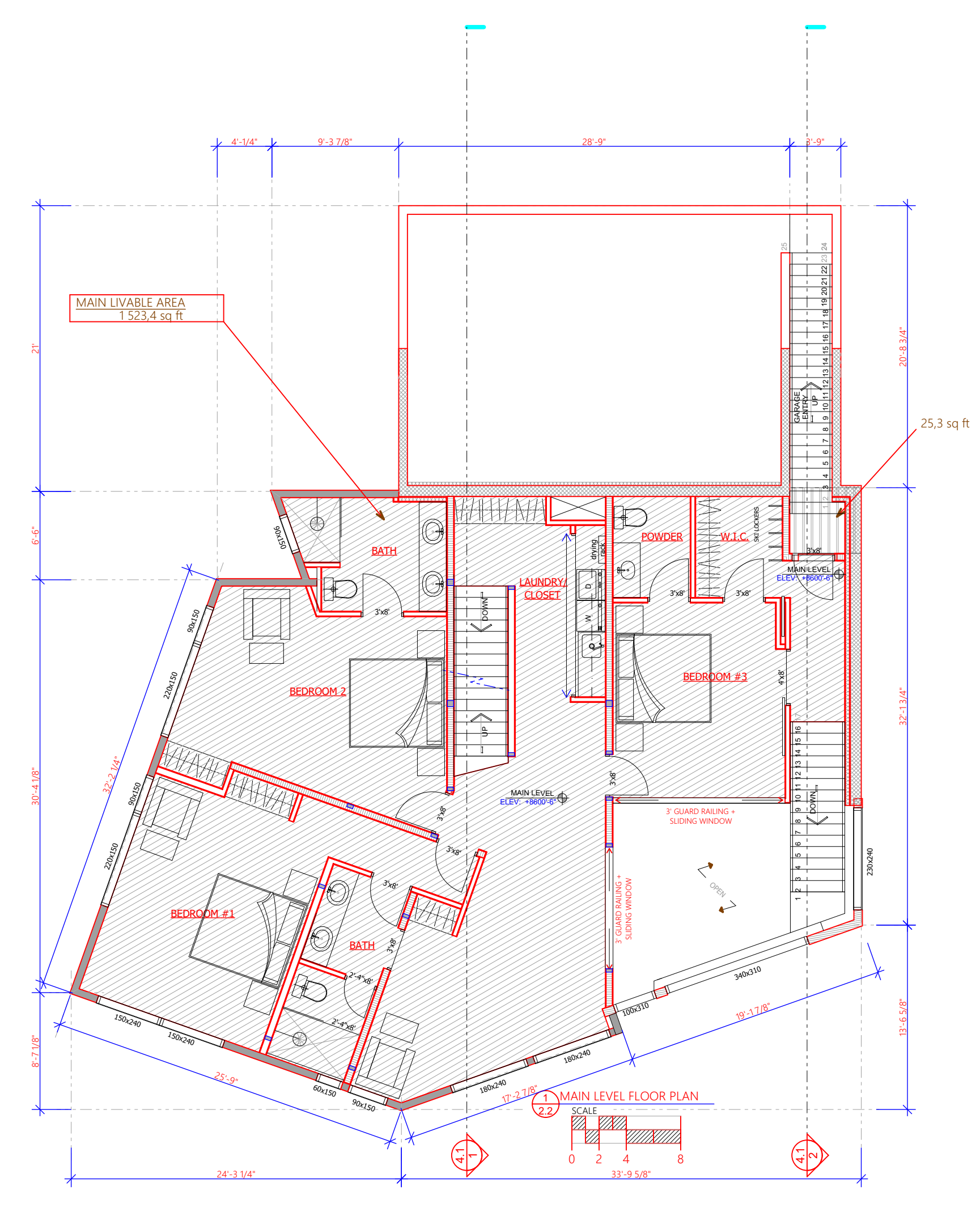
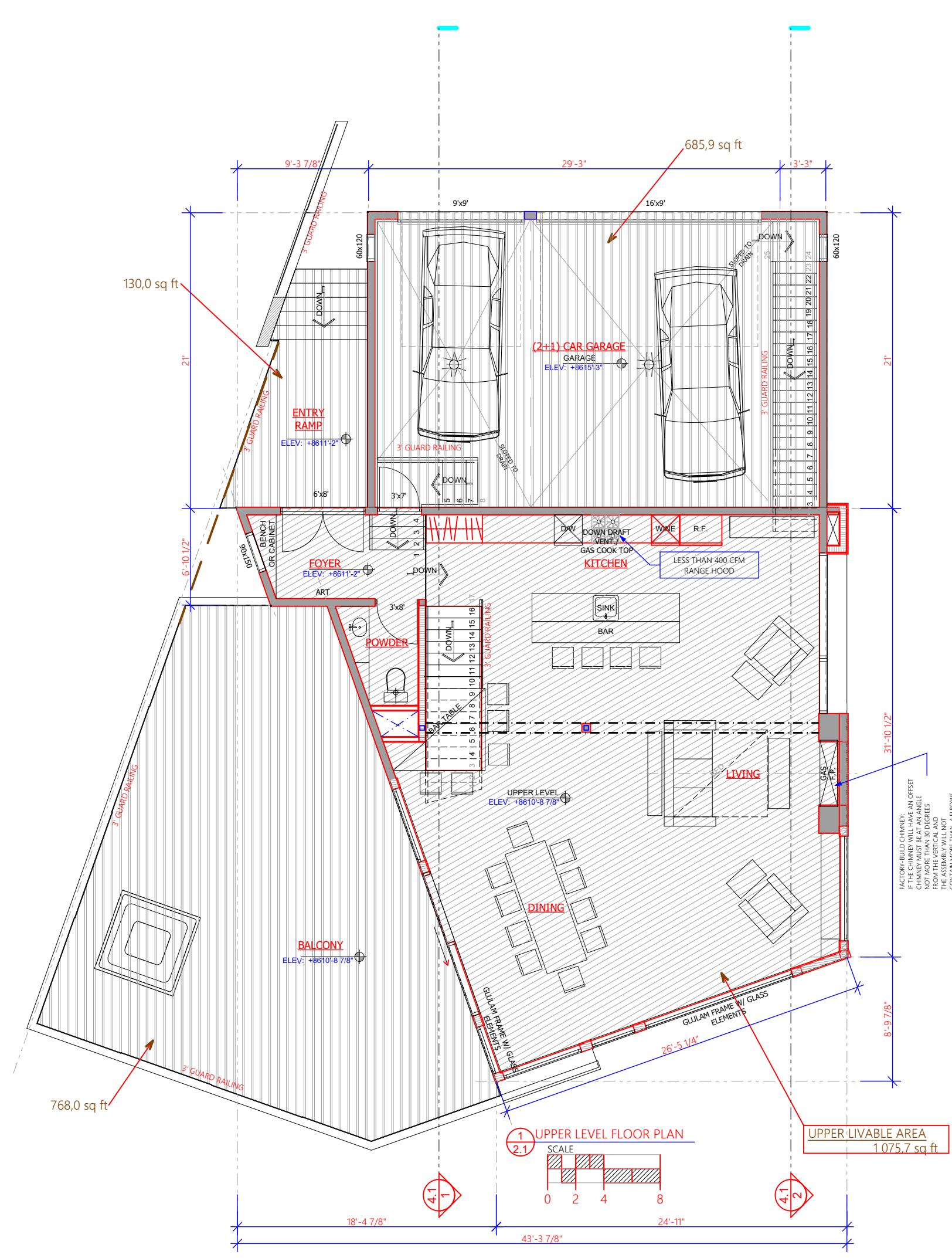
A New Residence:
BLAKE KINGSBURY
Summit Powder Mountain, Lot # 869
8549 E. Spring Park, Weber County, Utah

BUILDER
Company Name:
Address:
Park City, Utah 84098
Phone:
Fax:

Drawing Date: 11-28-2019
Scale: 1/4" = 1'-0"
Title No.: **MAIN LEVEL FLOOR PLAN**
BUILDER/DEALER'S APPROVAL:
Signature and Date:



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NET LIVABLE AREA CALCULATION

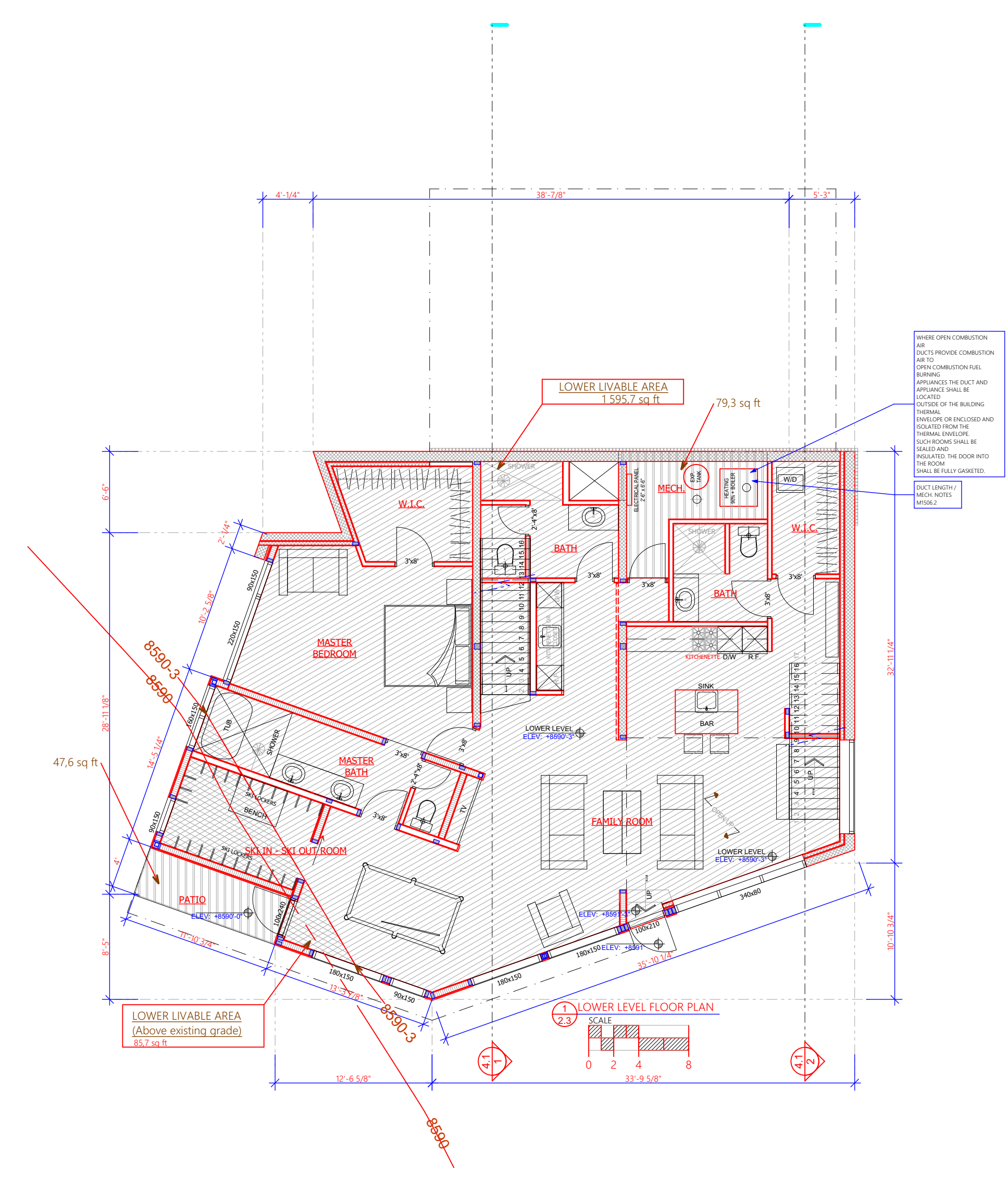
| | |
|---|------------------|
| UPPER LEVEL LIVABLE AREA | 1075.7 sqft |
| MAIN LEVEL LIVABLE AREA | 1523.4 sqft |
| LOWER LEVEL LIVABLE AREA | 1596 sqft |
| LOWER LIVABLE AREA (Above existing grade) | 86 sqft |
| NET TOTAL LIVABLE AREA | 4195 sqft |
| TOTAL LIVABLE AREA (Above existing grade) | 2685 sqft |

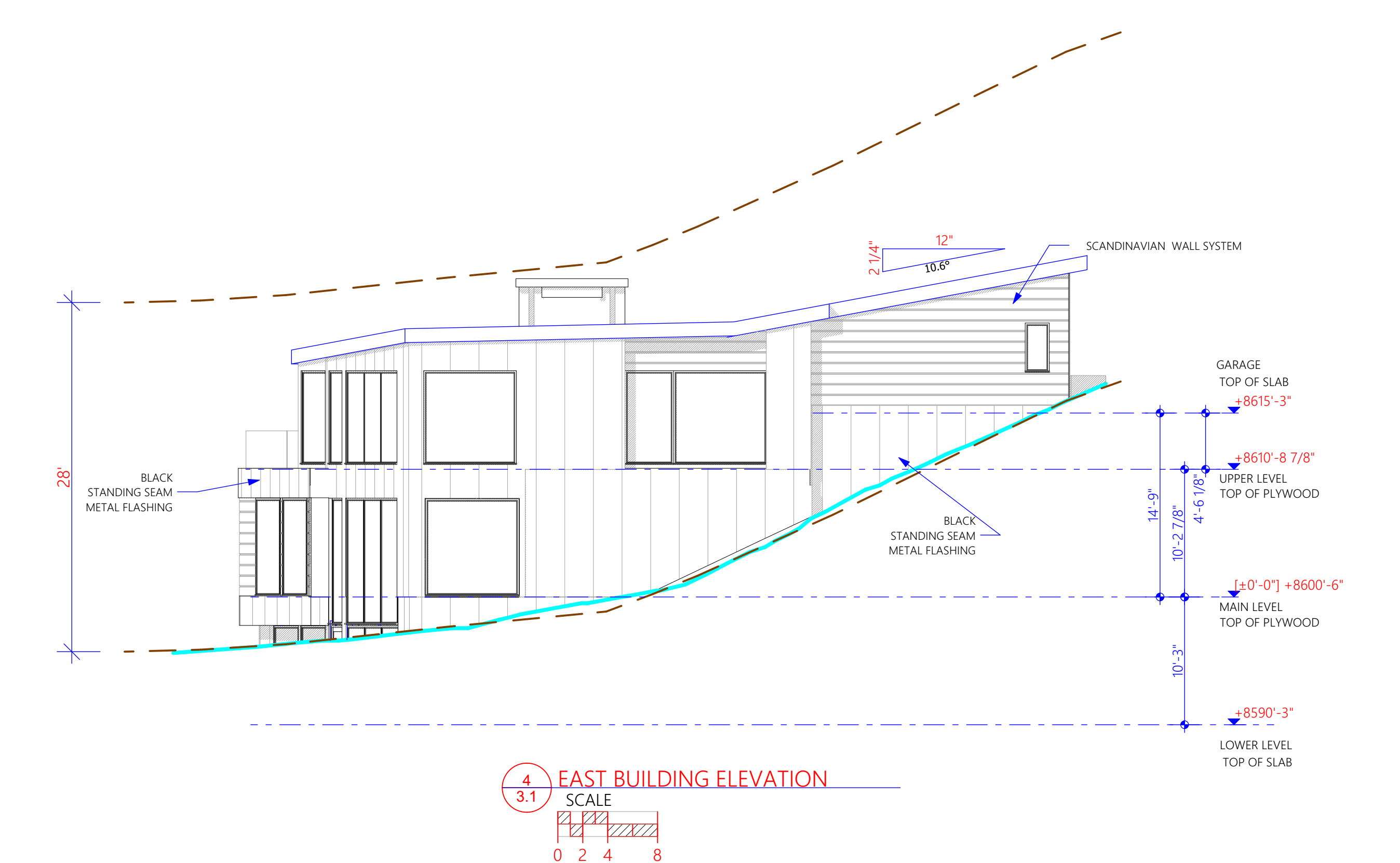
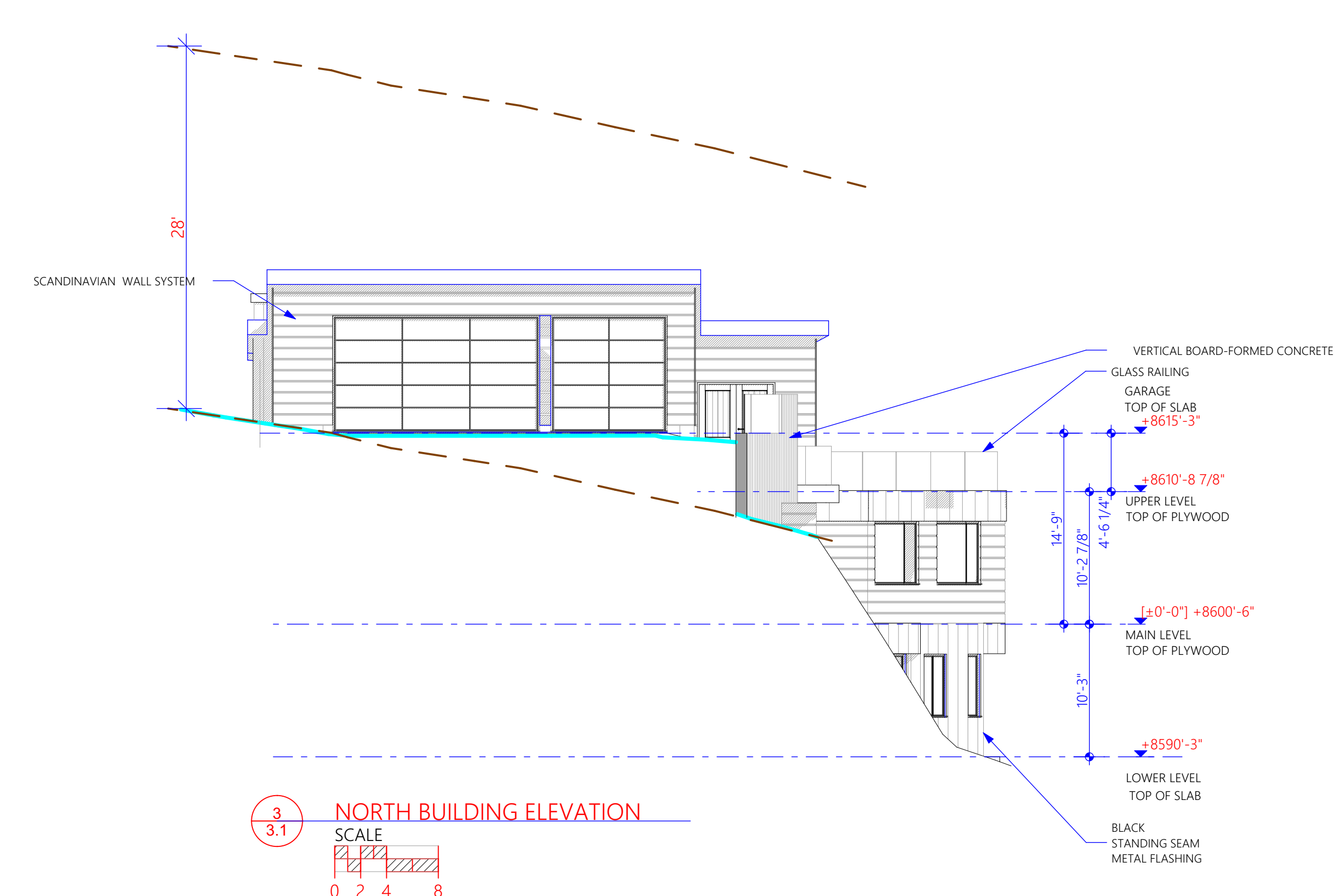
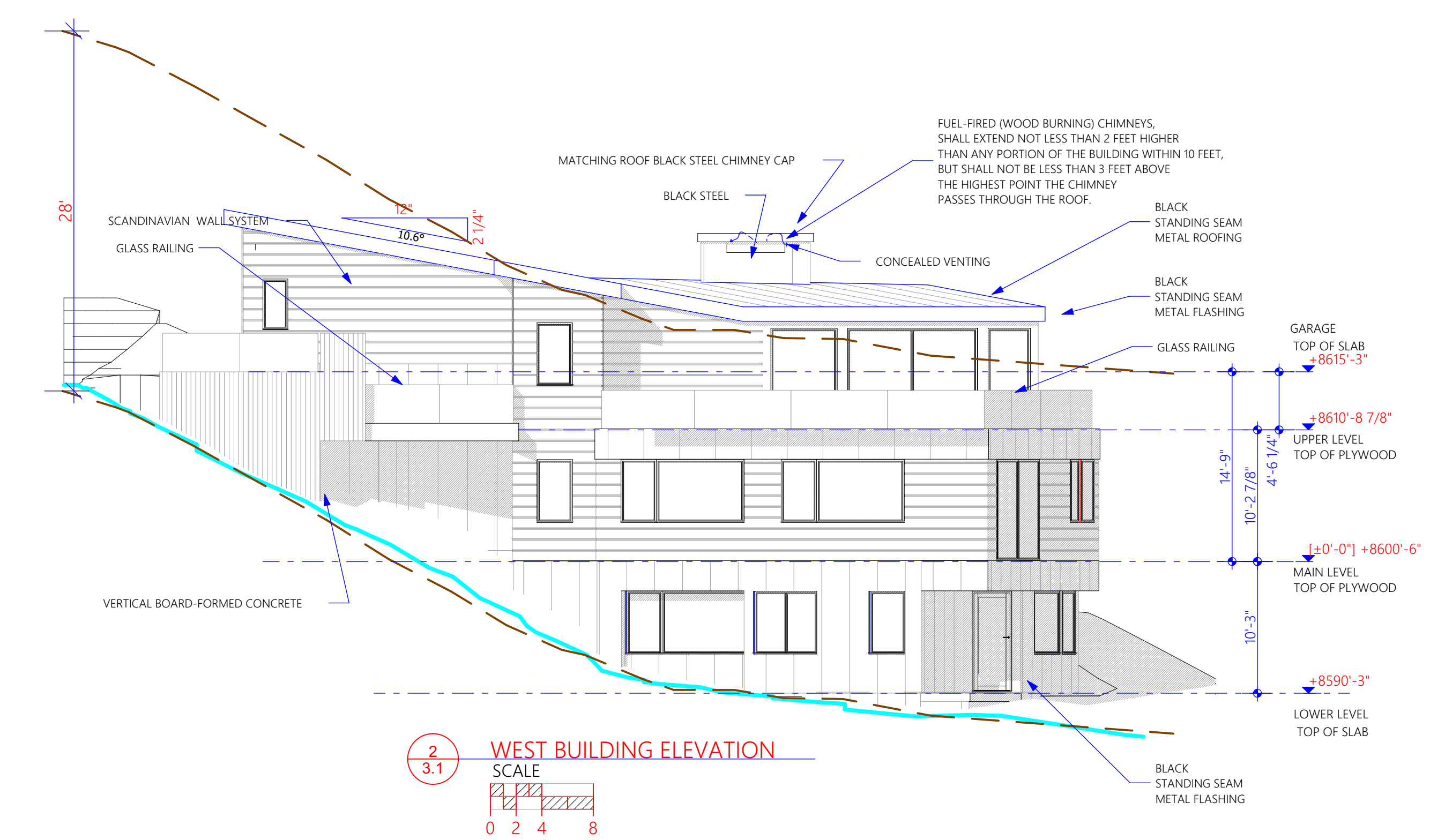
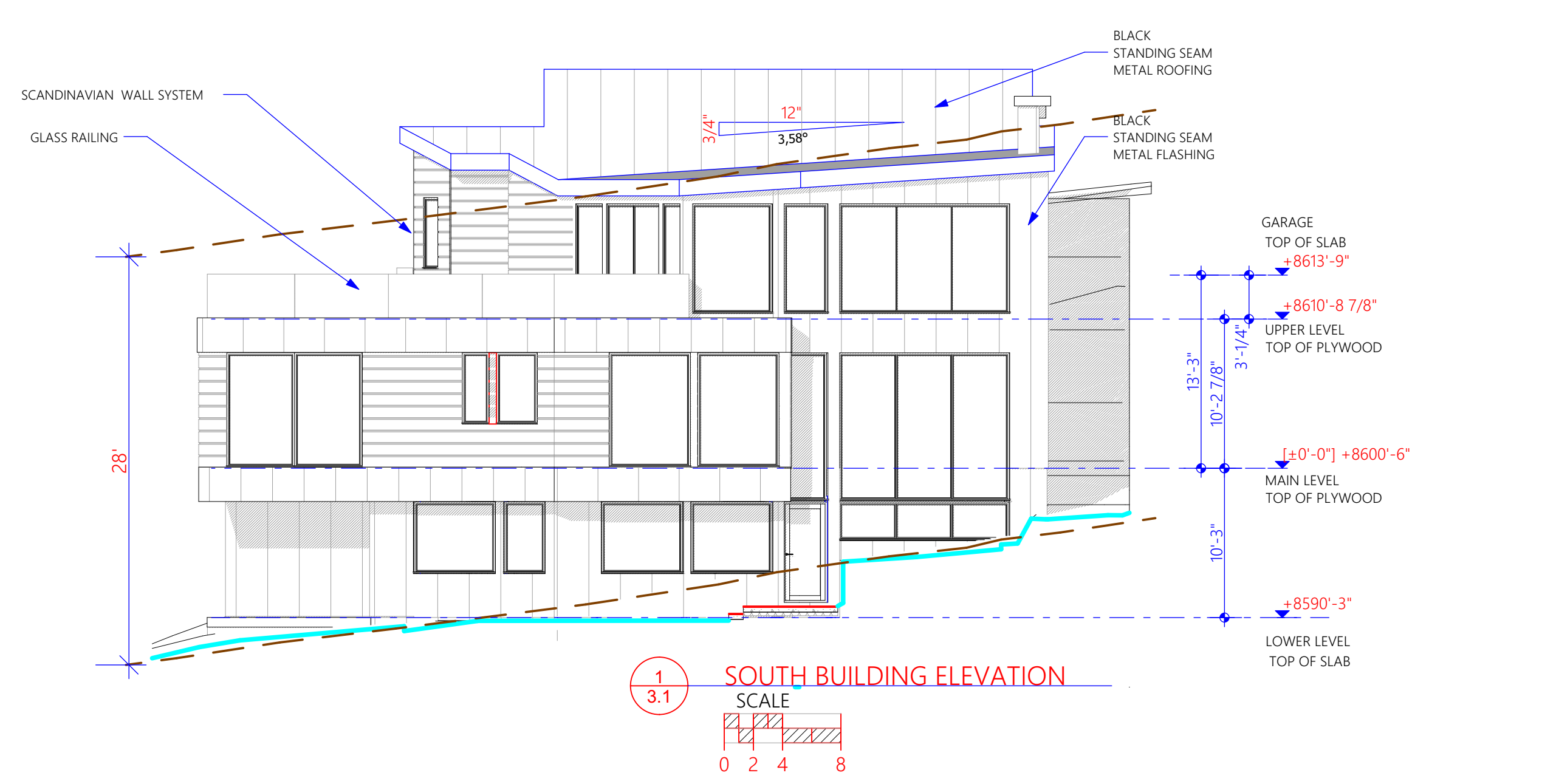
GROSS TOTAL AREA CALCULATION

| | |
|---------------------------------|------------------|
| GARAGE | 686sqft |
| ENCLOSED UPPER LEVEL FLOOR PLAN | 1144 sqft |
| ENCLOSED MAIN LEVEL FLOOR PLAN | 1712 sqft |
| GARAGE ENTRY | 25 sqft |
| ENCLOSED LOWER LEVEL FLOOR PLAN | 1821 sqft |
| ENCLOSED MECHANICAL / STORAGE | 79 sqft |
| ENCLOSED TOTAL HEATED AREA | 5467 sqft |
| UPPER LEVEL BALCONY AND ENTRY | 898 sqft |
| LOWER LEVEL PATIO | 48 sqft |
| GROSS TOTAL AREA | 6413 sqft |

AREA CALCULATION

| | |
|---|------------------|
| UPPER LEVEL FLOOR PLAN | 1144 sqft |
| (3) CAR GARAGE | 686 sqft |
| MAIN LEVEL FLOOR PLAN | 1712 sqft |
| GARAGE ENTRY | 25 sqft |
| LOWER LEVEL FLOOR PLAN (ABOVE EXISTING GRADE) | 106 sqft |
| LOWER LEVEL FLOOR PLAN (BELOW EXISTING GRADE) | 1715 sqft |
| MECHANICAL / STORAGE (BELOW EXISTING GRADE) | 79 sqft |
| TOTAL HEATED AREA | 5467 sqft |
| UNHEATED AREAS | sqft |
| TOTAL BUILDING AREA | 5467 sqft |
| TOTAL BUILDING AREA (ABOVE EXISTING GRADE) | 1673 sqft |
| TOTAL BUILDING AREA (BELOW EXISTING GRADE) | 1794 sqft |







ROOF 1
 -WEATHERED STEEL ROOF PANELS
 -UNDERLAYMENT
 -PLYWOOD 5/8" OSB
 -TJI 230 RAFTERS @16"O.C. (typ.)
 SEE ROOF FRAMING PLAN
 *R-49 BATT INSULATION
 -MOISTURE BARRIER
 -CEILING BOARDS

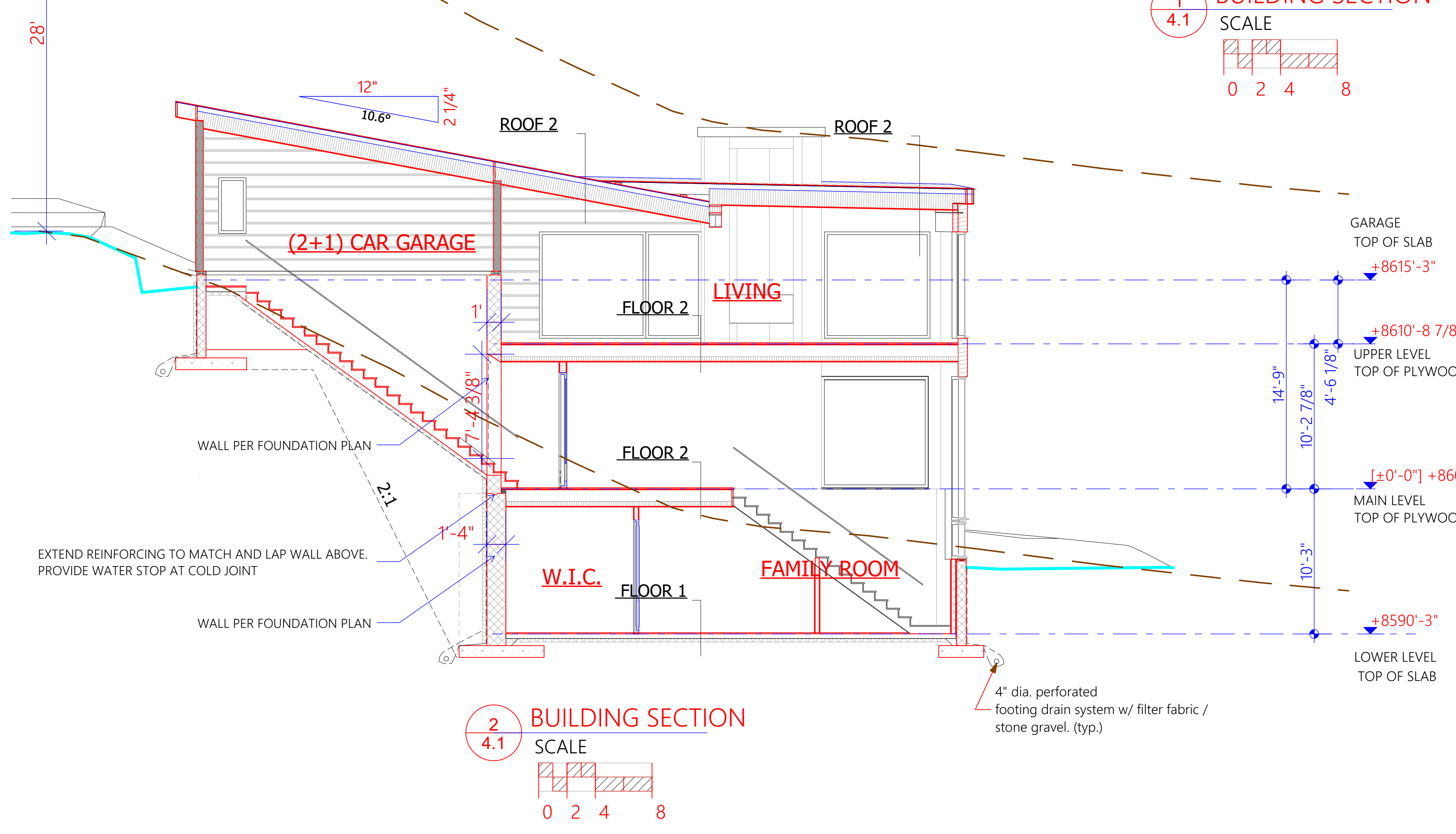
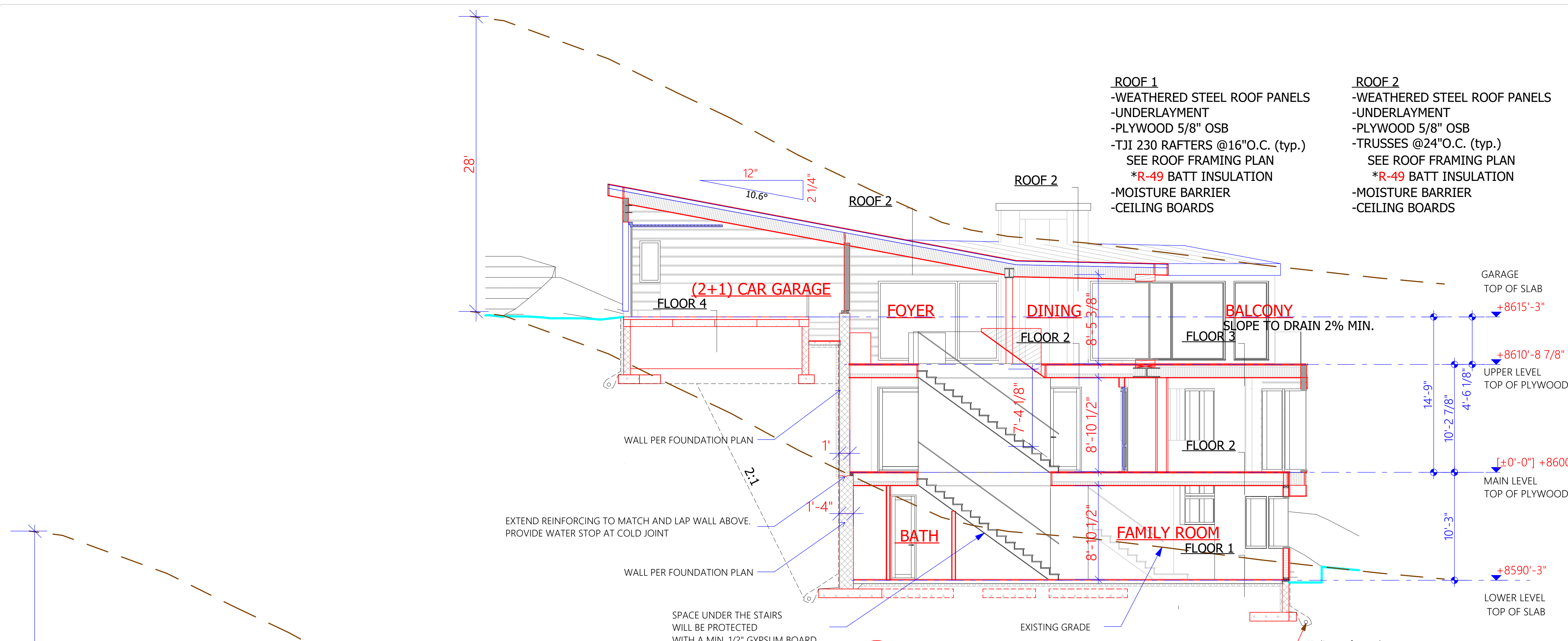
ROOF 2
 -WEATHERED STEEL ROOF PANELS
 -UNDERLAYMENT
 -PLYWOOD 5/8" OSB
 -TRUSSES @24"O.C. (typ.)
 SEE ROOF FRAMING PLAN
 *R-49 BATT INSULATION
 -MOISTURE BARRIER
 -CEILING BOARDS

FLOOR 1
 -FLOORING
 -4" REINFORCED CONC. SLAB (WELDED WIRE FABRIC)
 -6-MIL POLYETHENE VAPOR BARRIER
 -RIGID INSULATION 2" MINIMUM
 -COMPACTED GRANULAR BASE COURSE

FLOOR 2
 -FLOORING
 -3/4" OSB PLYWOOD SUBFLOOR
 -TJI 230 JOISTS @16"O.C. (typ.)
 * SOUND INSULATION
 -CEILING BOARDS

FLOOR 3
 -1/4" TILE FLOORING
 -1/4" WONDER BOARD & WATERPROOFING MEMBRANE
 -3/4" OSB PLYWOOD SUBFLOOR
 -TJI 230 JOISTS @16"O.C. (typ.)
 SEE FLOOR FRAMING PLAN
 *R-49 BATT INSULATION
 -MOISTURE BARRIER
 -CEILING BOARDS

FLOOR 4
 -3" CONCRETE TOPPING
 -8" HOLLOW CORE SLAB



STRUCTURAL GENERAL NOTES

DESIGN CRITERIA:

- BUILDING CODES USED FOR DESIGN:
 - IBC 2018, IRC 2015 AND ASCE 7-16 AS AMENDED BY THE STATE OF UTAH**
- DESIGN LOADS:
 - DESIGN LIVE LOADS:
 - FLOORS _____ 40 PSF
 - ROOF SHOW LOAD _____ 266 PSF (DRIFTING PER ASCE 7-16)
 - WIND LOADS:
 - BASIC WIND SPEED _____ 104
 - IMPORTANCE FACTOR _____ 1.0
 - EXPOSURE COEFFICIENT _____ C
- SEISMIC CATEGORY MAIN STRUCTURE: **IBC 2018 (ASCE 7-16)**
 - RISK CATEGORY _____ II (Table 104.5)
 - SEISMIC DESIGN CATEGORY _____ (Table 10.11.5.1.2)
 - SITE CLASS _____ C (Seotch 10.1.1)
 - IMPORTANCE FACTOR, **I_e** _____ 1.00 (Table 15.2)

DESIGN STRENGTHS:

| A. CONCRETE: | STRENGTH AT 28 DAYS (PSI) | | | |
|---------------------|---------------------------|----------|-----------------------------|--|
| | CLASS | TYPE | LOCATION | |
| B. | 4000 | STD. WT. | INTERIOR SLABS | |
| C. | 4000 | STD. WT. | AIR-ENTRAINED SLABS & WALLS | |
| D. | 3000 | STD. WT. | FOOTINGS | |
| R. REINFORCEMENT | FY = 60,000 PSI | | | |
| C. STRUCTURAL STEEL | FY = 50,000 PSI | | | |
| D. STRUCTURAL TUBES | FY = 46,000 PSI | | | |
| E. STRUCTURAL PIPES | FY = 35,000 PSI | | | |

GENERAL:

- NOTES AND DETAILS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES. TYPICAL DETAILS AND SPECIFICATIONS.
- CONTRACTOR SHALL COMPARE ALL DIMENSIONS AND CONDITIONS ON DRAWINGS AND AT SITE. ALL OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF 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 SHOWN OTHERWISE.
- SHORING AND BRACING REQUIREMENTS:
 - 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 OR BRACING SHALL 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.
 - 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 SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. IT IS THE CONTRACTOR'S OBLIGATION TO PROVIDE ITEMS NECESSARY FOR HIS CHOSEN METHOD.
- INSPECTION VISITS TO THE SITE BY THE ENGINEER OR THEIR REPRESENTATIVES SHALL NOT BE CONSTRUED AS INSPECTION NOR APPROVAL OF CONSTRUCTION.
- ALL CONSTRUCTION AND INSPECTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE IBC. THE CONTRACTOR SHALL COORDINATE ALL REQUIRED INSPECTIONS AND SHALL NOT PROCEED WITH THE WORK INVOLVED UNTIL THE INSPECTIONS HAVE BEEN DONE.
- 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, OMISSIONS AND/OR SUBSTITUTIONS.
- THE CONTRACTOR SHALL COORDINATE AND VERIFY ALL DIMENSIONS AND ELEVATIONS SHOWN 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, CHAIRS, KEYS, ETC.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SAFETY AND PROTECTION IN AND AROUND THE JOB SITE AND/OR ADJACENT PROPERTIES.
- CONTRACTOR MUST FIELD VERIFY ALL EXISTING CONDITIONS TO MATCH DETAILS SHOWN ON DRAWINGS. IF ANY CONFLICTING CONDITIONS ARISE DURING CONSTRUCTION, CONTRACTOR SHALL NOTIFY DESIGNER BEFORE PROCEEDING WITH WORK OR CONSTRUCTION.
- THERMAL OR MOISTURE PROTECTION, FURNISHINGS, DOORS, WINDOWS, EQUIPMENT, MECHANICAL, ELECTRICAL, FINISHES, SIDING, PANELING, VENEERS ARE NOT PART OF THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER.

FOUNDATION NOTES

- ALLOWABLE SOIL BEARING CAPACITY: IN DESIGN = **3400 PSF** AND TO BE FIELD VERIFIED AS REQUIRED PER THE CITY BY A LICENSED GEOTECHNICAL ENGINEER BEFORE PLACING CONCRETE.
- ALL FOOTINGS SHALL BEAR 18" MINIMUM INTO ORIGINAL UNDISTURBED EARTH OR ON ENGINEERED FILL, **ACCORDING TO THE GEOTECHNICAL REPORT.**
- NO FOOTINGS SHALL BE PLACED IN WATER OR ON FROZEN GROUND.
- EXTERIOR WALL FOOTINGS SHALL BEAR AT A MINIMUM DEPTH OF 3'-6" BELOW FINISHED EXTERIOR GRADE.
- DO NOT PLACE BACKFILL AGAINST FOOTINGS WALLS UNTIL BRACING FLOOR IS IN PLACE OR ADEQUATE SHORING IS INSTALLED.
- 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.

STAIRS:

THE STAIRS MUST PROVIDE A REQUIRED MINIMUM WIDTH OF 36" ABOVE THE PERMITTED HAND RAIL AND BELOW THE REQUIRED HEADROOM HEIGHT AND NOT LESS THAN 31.5" CLEAR MINIMUM WIDTH AT AND BELOW THE HANDRAIL HEIGHT, INCLUDING TREADS AND LANDINGS. 311.5.1

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 12" OUT FROM THE NARROWER POINT. R311.5.3.2

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

A CONTINUOUS HANDRAIL IS REQUIRED ALONG A STAIRWAY. IT IS REQUIRED TO BE 34"....38" ABOVE THE NOSING OF THE STEPS, ENDS SHALL RETURN OR SHALL TERMINATE IN NEWEL POSTS OR SAFETY TERMINALS. R311.5.6

THE HANDGRIP PORTION OF HANDRAILS SHALL BE NOT LESS THAN 1 1/4" NOR MORE THAN 2 5/8" IN CROSS-SECTIONAL DIMENSION. R311.5.6

HANDRAILS PROJECTING FROM A WALL SHALL HAVE A MINIMUM SPACE OF 1 1/2" BETWEEN THE WALL AND THE NEAREST PORTION OF THE HANDRAIL. R315

THE MAXIMUM SIZE OF OPENINGS IN THE HANDRAIL / GUARDRAIL ON THE OPEN SIDE OF A STAIRWAY IS 4 3/8". R312.2, EX 2

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

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

LANDINGS SHALL HAVE A MINIMUM DIMENSION MEASURED IN THE DIRECTION OF TRAVEL OF 36". R311.4.3

ENCLOSED ACCESSIBLE SPACE UNDER STAIRS SHALL HAVE WALLS AND SOFFITS PROTECTED ON ENCLOSED SIDE WITH 1/2" GYPSUM BOARD. R311.2.2

CONCRETE

- NO PIPES, DUCTS, ELECYS, ETC. SHALL BE PLACED IN STRUCTURAL CONCRETE UNLESS SPECIFICALLY ALLOWED OR APPROVED BY STRUCTURAL ENGINEER. NO ALUMINUM PRODUCTS SHALL BE EMBEDDED IN CONCRETE. PENETRATIONS THROUGH WALLS WHEN APPROVED MUST BE MADE BY THE WALL. PENETRATIONS THROUGH CONCRETE. PENETRATIONS WILL NOT BE ALLOWED IN FOOTINGS OR GRADE BEAMS DESIGNED AND DETAILLED AS SEISMIC RESISTING ELEMENTS. PIPING, ETC. SHOULD BE Routed ABOVE THESE ELEMENTS AND FOOTINGS STEPPED TO AVOID PIPING. PLUMBING AND ELECTRICAL SLEEVES NOT EXCEEDING 6" IN DIAMETER MAY BE PLACED IN FOUNDATION WALLS 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....
- UNLESS OTHERWISE NOTED, MAKE ALL CONCRETE SLABS ON EARTH AT LEAST 4" THICK.
- 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 2#4 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.
- ALL VERTICAL CONCRETE FACES (INCLUDING FOOTINGS) SHALL BE FORMED. FORM MATERIALS SHALL BE STRAIGHT AND TRUE.

REINFORCING STEEL

- 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 EXACT REQUIRED POSITION. ALL FIELD BENT DOWELS SHALL BE BENT ONLY ONCE.
- REINFORCEMENT SHALL HAVE THE FOLLOWING CONCRETE COVER: CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH.....3" EXPOSED TO EARTH OR WEATHER: #8 & 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" SLAB ON GRADE PLATE REINFORCING AT CENTER OF SLAB UNLESS INDICATED OTHERWISE.
- 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.
- 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" INTO FOOTING.
- DO NOT WELD REINFORCING EXCEPT AS NOTED ON PLANS. WHERE REINFORCING IS WELDED, USE ASTM A-706 REINFORCING OR FOLLOW IBC STANDARD 26-8.

STRUCTURAL STEEL

- STRUCTURAL STEEL SHALL BE FABRICATED AND DIRECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE FOLLOWING:
 - STRUCTURAL STEEL FOR BUILDINGS WITH "COMMODITY" AISC "SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF 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.
 - AISC "SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS".
- STRUCTURAL STEEL SHALL COMPLY WITH THE FOLLOWING:
 - SHAKE-RESISTANT: ASTM A-992 (A-36)
 - TUBES - ASTM A-500, GRADE B (TY = 46 KSI)
 - PILES, COLUMNS WITH 4-8 IN. DIA. OR 12 IN. DIA. OR 18 IN. DIA. OR 24 IN. DIA. DEFORMED BAR ANCHORS (DBA) - ASTM A-498
 - HEADED STUD ANCHORS (HSA) - ASTM A-108
 - ANCHOR BOLTS (A.B.) - ASTM A-307
 - WITH ASTM A-563 HEAVY HEX NUT AND HARDENED WASHERS, GRADE A.
- 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.
- ALL SHOP FABRICATION SHALL BE PERFORMED BY AN APPROVED FABRICATOR ACCORDING TO THE IBC.
- WELDING:
 - ALL WELDING AND CUTTING SHALL BE PERFORMED BY AWS CERTIFIED WELDERS.
 - USE E-70XX ELECTRODES UNLESS NOTED OTHERWISE. E60-X MAY BE USED FOR WELDING STEEL DECKS.
 - ALL INTERSECTING STEEL SHAPES WHICH ARE NOT CONNECTED WITH BOLTS SHALL BE WELDED TOGETHER WITH A FILLET WELD ALL AROUND UNLESS NOTED OTHERWISE. WHERE WELD SIZES ARE NOT SHOWN USE THE FOLLOWING: 1) WHERE ALL CONNECTED PARTS ARE THICKER THAN 1/4" WELD SIZE IS 1/4" 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.
 - WELDING OF HSA'S AND DBA'S SHALL CONFORM TO THE MANUFACTURER'S SPECIFICATIONS.
 - WHEREVER SPECIFIED, WELDS SHALL BE SHOP WELDS. SPECIAL CONSIDERATIONS, SUCH AS ITEMS WHICH MAY NEED ADJUSTMENT AT THE SITE, REQUIRE THAT SOME WELDS BE MADE AT THE TRIMEST PART.
 - WHERE ANY DISCREPANCIES OCCUR THE CONTRACTOR SHALL COORDINATE THE WORK BETWEEN THE SHOP FABRICATOR AND THE STEEL ERECTOR.
- BOLTING:
 - UNLESS OTHERWISE NOTED, ALL STRUCTURAL STEEL TO STEEL CONNECTIONS SHALL USE HIGH STRENGTH BOLTS CONFORMING TO ASTM A-325.
 - UNLESS NOTED OTHERWISE, ALL BOLTING IS CLASSIFIED AS NON-SLIP CRITICAL BEARING TYPE CONNECTIONS WITH THREADS INCLUDED IN SHEAR PLANE. TIGHTEN BOLTS TO A SNUG TIGHT CONDITION, WITH ALL PILES OF THE JOINT IN FIRM CONTACT.
 - AT OVERSIZE AND SLOTTED HOLES, WASHERS SHALL CONFORM TO ASTM F-436 AND COMPLETELY COVER THE HOLE.
 - WHERE A STEEL BEAM TO BEAM CONNECTION IS NOT SHOWN, PROVIDE AN AISC STANDARD FRAMED CONNECTION SIZED FOR 1/2 OF THE TOTAL LOAD CAPACITY OF THE BEAM FOR THE SPAN AND STEEL SPECIFIED.

| FLANGE WIDTH - W | STIFFENER THICKNESS | WELD SIZE |
|-----------------------|---------------------|-----------|
| < 8 1/4" | 3/4" | 3/16" |
| 8 1/4" < 8" < 12 1/2" | 3/8" | 1/4" |
| 12 1/2" < 8" < 18" | 1/2" | 5/16" |

ROOFING:

ICE AND WATER SHIELD EXTENDING FROM THE EAVES TO A POINT AT LEAST 24" INSIDE THE EXTERIOR WALL LINE. R905.8.3

COMPOSITION SHINGLES SHALL NOT BE INSTALLED ON ROOFS HAVING A SLOPE 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:

506.1 GENERAL. CLASS 3 IGNITION-RESISTANT CONSTRUCTION SHALL BE IN ACCORDANCE WITH SECTIONS 506.2 THROUGH 506.4.

506.2 ROOF COVERING. 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.

EXCEPTION: 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 SQUARE 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).

MISCELLANEOUS:

- EXPANSION BOLTS, CHEMICAL ANCHORS, DEFORMED BAR ANCHORS AND HEADED STUDS: ALL EXPANSION BOLTS SHALL BE HELIX KWIK BOLTS AS NOTED ON THE DRAWINGS, OR APPROVED WITH EQUIVALENT ALLOWABLE TENSION AND SHEAR VALUES. MINIMUM EMBEDMENT UNLESS OTHERWISE NOTED SHALL BE: #4 FOR 12" DIAMETER, 5" FOR 3/8" AND 3/4" DIAMETER.
- HEADED STUDS SHALL BE NELSON HEADED ANCHORS WITH FLUXED ENDS OR APPROVED. DEFORMED BAR ANCHORS (DBA) SHALL BE NELSON, TYPE DCL, OR APPROVED. STUDS AND DBA SHALL BE AUTOMATICALLY END-WELDED WITH THE MANUFACTURER'S STANDARD EQUIPMENT IN ACCORDANCE WITH THEIR RECOMMENDATIONS.
- 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 LOCATED BY THE RESPECTIVE CONTRACTORS AND SET BY GENERAL CONTRACTOR EXCEPT WHERE THE OTHER CRAFT FURNISH THEIR OWN CONNECTIONS.
- EPOXY ADHESIVE: THE CONTRACTOR SHALL CONFORM TO ASTM D688 AND SHALL BE A TWO-COMPONENT, LIQUID EPOXY WITH NON-SAG CHARACTERISTICS AND A LONG POT LIFE, AND SHALL BE SUITABLE FOR USE ON DRY OR DAMP SURFACES. MINIMUM SLANT SHEAR STRENGTH SHALL BE 5,000 PSI, AND MINIMUM TENSILE STRENGTH SHALL BE 4,000 PSI. HOLES SIZES AND INSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH APPROVED IBC REQUIREMENTS.
- CORE DRILLING: ALL CORE DRILLING SHALL BE DONE BY THE MECHANICAL AND ELECTRICAL CONTRACTORS FOR THEIR OWN WORK UNDER THE SUPERVISION OF THE GENERAL CONTRACTOR. THESE SHALL NOT BE ANY CORE DRILLING THROUGH BEAMS OR COLUMNS. MAXIMUM CORE HOLE THROUGH SLABS SHALL BE PIPE DIAMETER PLUS 1".

SUBMITTALS:

- SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO FABRICATION FOR "SCANDINAVIAN" LOG FRAMING.
- IF 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 BE SUBJECT TO REVIEW AND ACCEPTANCE OF THE ENGINEER.
- CONTRACTOR SHALL COORDINATE SEISMIC RESTRAINTS OF MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT, INCLUDING ASSOCIATED PIPING WITH THE STRUCTURE. ANY CONNECTIONS TO STRUCTURE NOT CONFORMING TO STEEL, METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION (SMACNA) OR SPECIFICALLY DETAILLED ON THE 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 FABRICATION.
- FIELD ENGINEER DETAILS DEVELOPED BY THE CONTRACTOR THAT DIFFER FROM, OR ADD TO THE STRUCTURAL DRAWINGS 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 CONSTRUCTION.

WOOD FRAMING NOTES:

- FRAMING LUMBER: DOUGLAS FIR LARCH OR PINE (SURFACED DRY) NOT TO EXCEED 19% MAXIMUM MOISTURE CONTENT, CONFORM TO THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION IN THE FOLLOWING GRASSES (UNLESS NOTED OTHERWISE ON PLANS): DIMENSIONED LUMBER - BEAMS, JOISTS #2 OR BETTER (F# = 405 PSF, FV = 95 PSF, E = 1,600 KSI) ROUGH SAWN - BEAMS, STRINGERS #1 OR BETTER (F# = 1350 PSF, FV = 85 PSF, E = 1,600KSI) POSTS, TIMBERS: #2 OR BETTER (F# = 1300 PSF, FV = 85 PSF, E = 1,600 KSI) STUDS: SUDENH-FIR OR D.F.J. (F# = 675PSF, F = 725 PSF, E = 1,200 KSI)
- ALL GLUE LAMINATED TIMBER MEMBERS SHALL BE GRADE 24F-V4 FOR SINGLE SPANS, 24F-V8 WHERE SPECIFIED, (REFER TO STRUCTURAL DRAWINGS UNDER "TIMBER CONNECTION") (F# = 2400 PSF, FV = 110 PSF, E = 1,800 KSI). ALL SCANDINAVIAN WALL PROFILE SUPPLIED BY LOG HOME MANUFACTURER CONFORMS TO L3D (LAMBDA=10.78 = 370.92 PSI, FV = 165 PSF, E = 305590 PSF, 330 LBS/LIN. F# = 1,600 PSF, FV = 139 PSF, E = 1,015,665 PSI)
- PROVIDE SOLID BLOCKING AT LEAST 1-1/2" THICK AT ENDS AND AT EACH SUPPORT OF JOIST. PROVIDE APPROVED BRACING AT A MAXIMUM 8'-0" O.C. BETWEEN SUPPORTS OR AS REQUIRED BY THE JOIST MANUFACTURER.
- NAILING SHALL CONFORM TO STANDARD NAILING SCHEDULE 2304.9.1 OF THE IBC, UNLESS NOTED OTHERWISE ON PLANS OR SCHEDULES. ALL WALLS SHALL BE CONFORM WALLS.
- BUILT-UP BEAMS OF 2X MEMBERS SHALL BE SPIKED TOGETHER WITH 16D SPIKES AT 12" O.C. STAGGERED. USE 2-20 COMMON NAILS AT ALL JOINTS.
- 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 LEVELS.
- BUILT-UP COLUMNS SPIKED TOGETHER WITH 16D SPIKES AT 12" O.C.
- USE SIMPSON STRONG-TIE HANGERS FOR ALL FLUSH CONNECTIONS. HANGER SPACING TO BE SPECIFIED BY THE TRUSS / JOIST SUPPLIER UNLESS NOTED OTHERWISE ON PLAN.
- ALL METAL HANGERS AND CONNECTORS SHALL BE "SIMPSON" OR EQUAL.
- PROVIDE METAL STRAPS ACROSS RIDGE BEAM FOR ROOF JOISTS.
- SILL PLATES SHALL BE FOUNDATION GRADE REDWOOD OR PRESSURE TREATED DOUGLAS FIR LARCH (FC = 625 PSF). WHEN IN CONTACT WITH CONCRETE.
- SECURE SILL PLATE TO FOUNDATION WITH 5/8" X 12" A.B. @ 48" O.C. UNLESS NOTED OTHERWISE ON PLANS.
- DOUBLE TOP AND BOTTOM PLATE TO BE LAPED 4'-0" AT SPLICE AND CONNECT WITH 160 COMMON NAILS @ 3" O.C., STAGGERED.
- NOTCHING OR DRILLING THROUGH ANY LUMBER MEMBER WILL NOT BE ALLOWED WITHOUT SPECIFIC APPROVAL OF STRUCTURAL ENGINEER.
- MAXIMUM HEIGHT OF NON-BEARING STUDS SHALL BE 14 FEET FOR 2X4 AND 20 FEET FOR 2X6.
- STUD BEARING WALLS/EXTERIOR STUD WALLS/SHEAR WALLS: (A) ALL EXTERIOR WALLS SHALL BE 2X6 STUDS AT 16" O.C. UNLESS INDICATED OTHERWISE ON PLANS. (B) 2X6 STUDS AT 16" O.C. REFER TO PLAN FOR SHEAR WALLS. (C) SHEATH ALL EXTERIOR WALLS WITH 7/16" A.P.A. RATED STRUCTURAL EXTERIOR SHEATHING. (D) WALL SHEATHING WITH 6D #1 ALL EAVE ENDS WITH ALL SIDES BLOCKED AND 8D AT 12" ALL ELSE. REFER TO PLAN FOR ADDITIONAL REQUIREMENTS. (E) ALL WALL SHEATHING SHALL BE CONTINUOUS FROM SILL PLATE TO DOUBLE TOP PLATE. WHERE NECESSARY, MINIMUM SOFFIT OF JOIST IN SHEATHING SHALL BE 2'-0" BELOW TOP OR ABOVE BOTTOM PLATE. BLOCK ALL PANEL EDGES.

Notes:

- 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 passes through the roof.
- Minimum 18" clearance above earth for wood joists and 12" clearance for wood joists in a crawl space unless removed or treated wood is used.
- Enclosed attics and spaces between rafters shall have cross ventilation for each square 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 area ventilated. The total ventilating area ratio may be reduced to not less than 1 to 300 if other openings are provided on the upper and lower portions of the ventilated space, or 2 to 1 gpm vapor barrier is installed on the warm side of the ceiling.
- Minimum 4 mil Polyethylene vapor retarder on exterior walls and ceilings.
- Provide 1/8 inch strips at top, sides and end of studs of gable ceiling covering exterior corners or masonry walls unless woods resistant to decay are used.
- Roof eaves shall be greater than 6 inches to earth unless separated by eaves or at least 3 inches in thickness with an impervious membrane installed between the earth and the concrete. This includes deck and joists.
- For masonry fireplaces, combustible material shall be placed within 2 inches of fireplace smoke chamber or chimney walls. Combustible material shall not be placed within 6 inches of the fireplace opening. Combustible material within 12 inches of the fireplace opening shall not project more than 1/8 inch from each such distance from the opening to the fireplace.
- Basements with habitable space and each sleeping room one very level shall have egress/rescue windows that area at net 5.7 square feet of openable area, with net clear openable height of least 24 inches and a net clear openable width of at least 20 inches. Grade floor openings may be reduced to a net clear opening of 5 square feet.
- Framesless glass doors glazing to doors, glazing within 24 inch each of doors, glazing less than 60 inches above a walking surface shall be covered with safety glazing within 5 feet of open or posts, certain fixed glass panels and similar glazing openings subject to human impact shall satisfy glazing, tempered or laminated glass, properly identified.

Special Inspections:

- Provide minimum clearance of 2 1/2 inches in front of water closets. Provide 30 inches of full width clearance for water closets.
- Provide a shut-off valve for all plumbing fixture supplies.
- Provide a comfort heating system capable of maintaining 68 degrees F at a point 36 inches above the floor in all rooms.
- Combustion air for all fuel-burning appliances at a minimum rate of 1 square inch per 5,000 BTU/hour input rating.
- Clearance around equipment, minimum 3 inches sides and rear and 6 inches at front, unless equipment listing provides otherwise.
- 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 is 5 feet.
- Install heating trunk and branch supply ducts in unconditioned attic, crawl spaces, attic and unheated garage per the Backlog.
- All receptacle serving kitchen countertops, in garages, basements, unconditioned basements and outside (exterior) locations shall be GFI protected.
- Clearance for lights in closets must comply with IRC E903.1.1.
- All central heating serving 110 amp outlets in bedrooms shall be AFCI.
- Wayside signs and openings on scenes detail 23 inches.

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 |
|---|--|--|
| General requirements | A continuous air barrier shall be installed in the building envelope. The exterior thermal envelope contains a continuous air barrier. Breaks or joints in the air barrier shall be sealed. | Air-permeable insulation shall not be used as a sealing material. |
| 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. |
| 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. |
| Windows, skylights and doors | The space between window/door jambs and framing, and skylights and framing shall be sealed. | |
| Rim joists | Rim joists shall include the air barrier. | Rim joists shall be insulated. |
| 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. |
| 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. |
| Shafts, penetrations | Duct shafts, utility penetrations, and flue shafts opening to exterior or unconditioned space shall be sealed. | |
| Narrow cavities | Batts in narrow cavities shall be cut to fit, or narrow cavities shall be filled by insulation that conforms to the available cavity space. | |
| Garage separation | Air sealing shall be provided between the garage and conditioned spaces. | |
| 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. |
| Plumbing and wiring | Batt insulation shall be cut to neatly fit around wiring and plumbing in exterior walls, or insulation that on installation readily conforms to available space shall extend behind piping and wiring. | |
| 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. |
| Electrical/phone box on exterior walls | The air barrier shall be installed behind electrical or communication boxes or air-sealed boxes shall be installed. | |
| HVAC register boots | HVAC register boots that penetrate building thermal envelope shall be sealed to the subfloor or drywall. | |
| Concealed sprinklers | When required to be sealed, concealed fire sprinklers shall only be sealed in a manner that is recommended by the manufacturer. Caulking or other adhesive sealants shall not be used to fill voids between fire sprinkler cover plates and walls or ceilings. | |

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

SECTION M1505 OVERHEAD EXHAUST HOODS

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 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, 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.

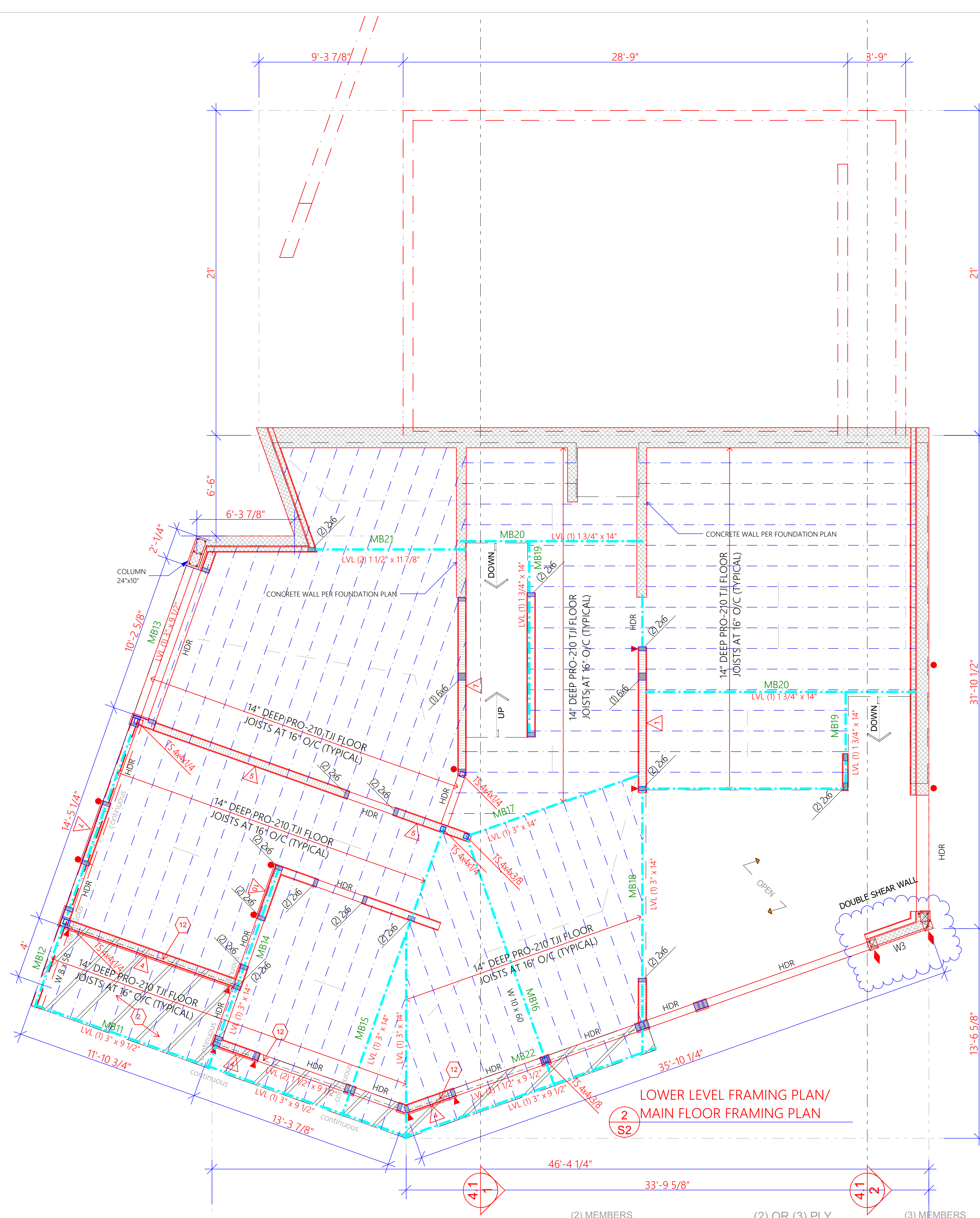
SECTION M1506 EXHAUST DUCTS AND EXHAUST OPENINGS

M1506.1 Duct construction.

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

M1506.2 Duct length.

The length of exhaust and supply ducts used with ventilating equipment shall not



- KEYED NOTES:**
- STRAP BEAM TO POST W/66" CMST12. WRAP AROUND BEAM. FILL ALL HOLES W/ 16d NAILS.
 - BLOCKED DIAPHRAGM W/ 10d NAILS @ 2" O.C. AT ALL PANELS EDGES.
 - NAIL FLOOR SHEATHING TO BEAM W/ 10d @ 2" O.C. ATTACH BEAM TO SHEAR WALL BELOW WITH A35 @ 12" O.C.
 - FULL HEIGHT SOLID BLOCKING BELOW SHEAR WALL.
 - STRAP BEAM TO POST W/40" CMST16. WRAP AROUND BEAM. FILL ALL HOLES W/ 16d SINKER NAILS.
 - (3) 2x POST ABOVE, STRAP BEAM TO POST W/66" CMST12. WRAP AROUND BEAM. FILL ALL HOLES W/ 16d NAILS.
 - HGUS-50-SDS HANGER.
 - MSTC52 HOLD DOWN, WRAP AROUND BEAM.
 - HDU 11 - WELD ROD TO STEEL BEAM, PROVIDE 3/8" WEB STIFFENERS.
 - ATTACH POST AT END OF SHEAR WALL DIRECTLY TO LOG WALL WITH SDS25600 @ 4" O.C.
 - UPSIDE DOWN HG17 00-SDS W/ ADDITIONAL 30" CS14 ACROSS THE TOP OF BOTH BEAMS TO PREVENT ROLLING.
 - FULL HEIGHT SOLID BLOCKING. NAIL FLOOR SHEATHING W/ 10d @ 2" O.C. ATTACH BLOCKING TO SHEAR WALL BELOW WITH A35 @ 12" O.C.
 - 2x12 LEDGER W/ (3) SDS22400DB SCREWS @ 12" O.C. - USE MIU2.37/11.88 HANGERS.

SHEAR WALL SCHEDULE

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

Note: MIN. 3"x3"x0.229" PLATE WASHERS ON ANCHOR BOLTS

- NOTES**
- LVL DENOTES 1.9E MICROLAM BY TRUS JOIST MACMILLAN OR EQUIVALENT.
 - DECK LEDGER BOARDS MUST BE TRATED WHEN USING T.J.I. BCI OR LPI RIM BOARDS.
 - ALL SHEATHING SHALL BE CDX STRUCTURAL 1 OR 11 A.P.A. RATED SHEATHING WITH ALL EDGES BLOCKED
 - 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.
 - ALL HARDWARE SHALL BE 'SIMPSON STRONG TIE' OR APPROVED EQUAL.
 - 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.
 - USE MINIMUM 3x STUDS AT ALL ADJOINING (ABUTTING) EDGES. EDGE NAILING SHALL BE STAGGERED. (2) 2x NAILED TOGETHER WITH 16d COMMON NAILS @ 4" O.C. MAY BE SUBSTITUTED FOR 3x.
 - USE SIMPSON SB 5/8" x 24" EMBED 18" MIN. INTO STEM WALL -> FOR STEM WALL INSTALLATION.
 - 3" MINIMUM POST
 - 5 1/2" MINIMUM POST
 - USE SIMPSON SB 1" x 30" EMBED 14" MIN. INTO STEM WALL -> FOR STEM WALL INSTALLATION.
 - USE SIMPSON SB 7/8" x 24" EMBED 18" MIN. INTO STEM WALL

FLOOR BEAM SCHEDULE

| MARK | STEEL, GLULAM, LVL OR SAWN BEAMS |
|------|----------------------------------|
| MB11 | (1) 3" x 9 1/2" LVL |
| MB12 | (1) W 8 x 58 STEEL BEAM |
| MB13 | (1) 3" x 9 1/2" LVL |
| MB14 | (1) 3" x 14" LVL |
| MB15 | (1) 3" x 14" LVL |
| MB16 | (1) W 10 x 60 STEEL BEAM |
| MB17 | (1) 3" x 14" LVL |
| MB18 | (1) 3" x 14" LVL |
| MB19 | (1) 1 3/4" x 14" LVL |
| MB20 | (1) 1 3/4" x 14" LVL |
| MB21 | (2) 1 1/2" x 11 7/8" LVL |
| MB22 | (2) 1 1/2" x 9 1/2" LVL |

(*) TIE MULTIPLE PLY MEMBERS TOGETHER (DTL 2/S2)

HOLD-DOWNS

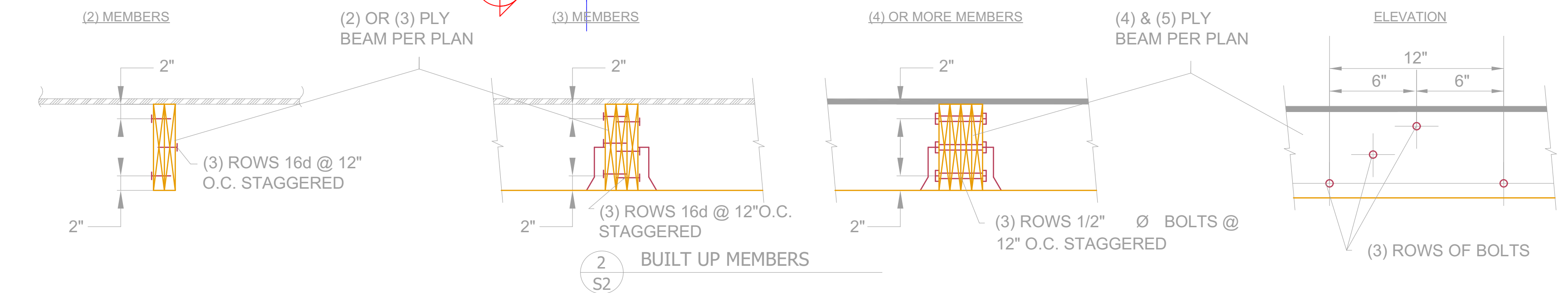
| TYPE | NOTES | ANCHOR SIZE | ANCHOR EMBEDMENT INTO FDN. WALL |
|------|----------------------------|-------------|---------------------------------|
| ◆ | = (1) SIMPSON HDU14-SDS2.5 | H. 1" | 60" |
| ● | = SIMPSON HDU11 - SDS2.5 | H. J. 1" | 42" |
| ▼ | = SIMPSON HDUS - SDS2.5 | F. G. 5/8" | 9" |
| T | = SIMPSON HDUB - SDS2.5 | H. K. 7/8" | 10 1/2" |
| + | = SIMPSON STHD14 | | |

- FRAMING PLAN NOTES**
- ALL BEAMS TO BEAR ON MINIMUM OF (2) CRIPPLE STUDS U.N.O. ON PLAN. TYPICAL 2"x10" HEADERS MAY BEAR ON ONE CRIPPLE STUD.
 - 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.
 - SHEAR WALL TYPES AND LOCATION ARE DENOTED THUS: △ ON PLAN. SEE SCHEDULE INTERIOR SHEAR WALLS ARE DENOTED THUS: □ ON PLAN.
 - ALL EXTERIOR WALLS SHALL BE TYPE △ SHEAR WALL CONSTRUCTION UNLESS NOTED OTHERWISE.
 - REFER TO DETAILS, GENERAL STRUCTURAL NOTES AND SHEAR WALL SCHEDULE FOR TYPICAL SHEAR WALL/BEARING WALL CONSTRUCTION.
 - WHERE ROCK VENEER OCCURS REFER TO DETAIL R/S300.
 - REFER TO GENERAL STRUCTURAL NOTES SHEET S0 FOR ADDITIONAL INFORMATION.
 - 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.
 - ALL EXTERIOR SCANDINAVIAN PROFILE WALLS SHALL BE TYPE ◊ SHEAR WALL CONSTRUCTION UNLESS NOTED OTHERWISE.

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 | |

- FOUNDATION KEYED NOTES**
- HDU14 ATTACHED TO SAME ROD AND SAME POST. OFFSET ON POST BY 30". EMBED 1" THREADED ROD 60" INTO FOUNDATION WALL. PROVIDE 3"x3" PLATE WASHER WITH NUTS AT EMBEDDED END OF ROD. 6x6 POST MIN.
 - HDU11, EMBED 1" ANCHOR ROD 42" INTO FOUNDATION WALL. PROVIDE 3"x3" PLATE WASHER WITH NUTS AT EMBEDDED END OF ROD.
 - ATTACH BEAM TO CONCRETE WALL WITH (2) 3/4" SIMPSON TITEN HD ANCHORS @ 12" O.C. (7" LONG)

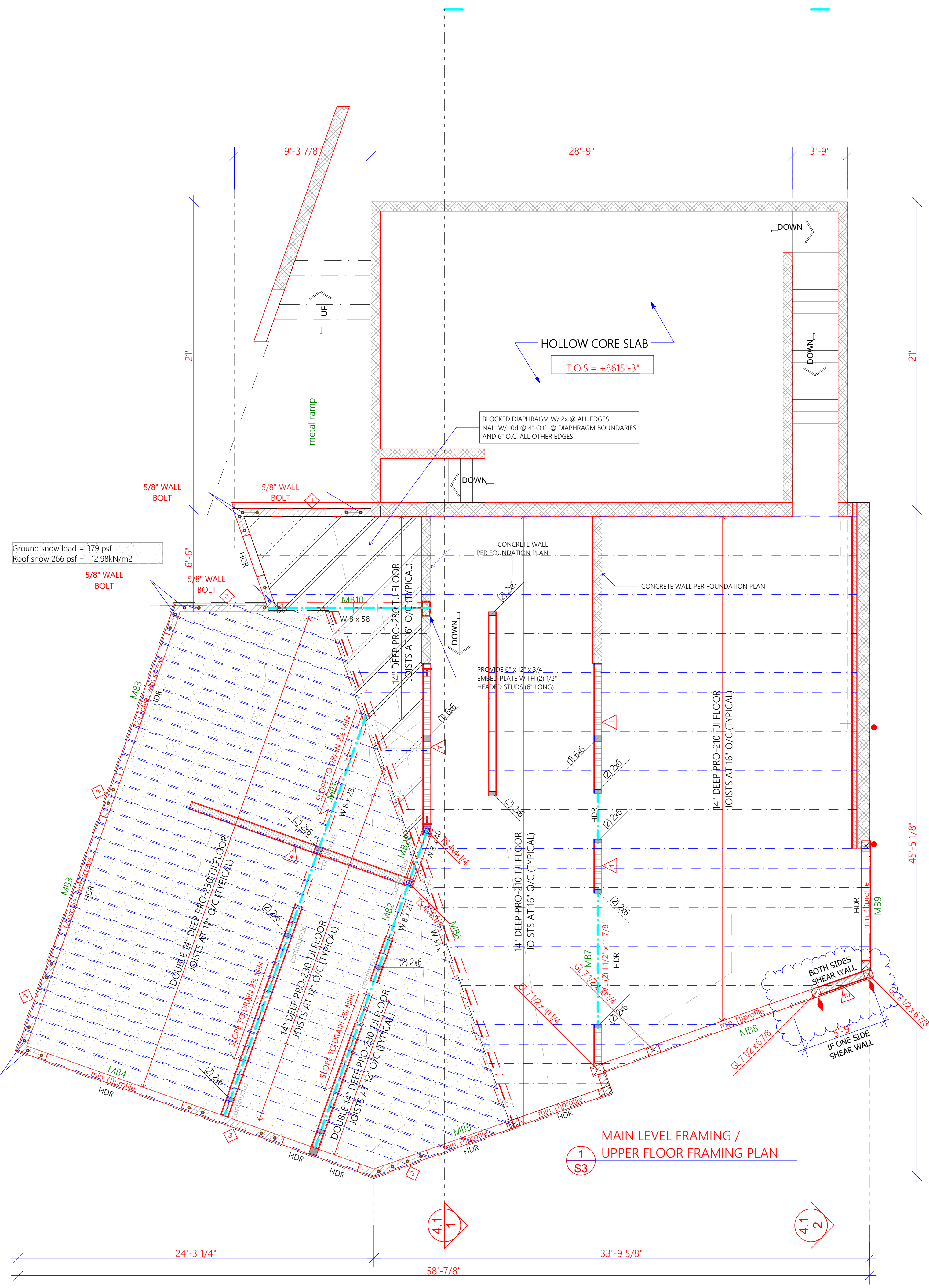


ENSIGN
THE STANDARD IN ENGINEERING

PROFESSIONAL ENGINEER
 12/02/2019
 10367643
 ALEX HAWKINS
 STATE OF UTAH

Scandinavian
BUILDING SYSTEM
Park City, Utah

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SHEAR WALL SCHEDULE

| TYPE | MATERIAL | EDGE NAILING | SILL PLATE ANCHORS | REMARKS |
|--------|-------------------------|--------------|-------------------------------------|-------------------|
| △-SW1 | 7/16" APA | 8d @ 6" O/C | 16d COMMON @ 6" O.C. OR 5/8" AT 32" | A,B,C,D -260 pf |
| △-SW2 | 7/16" APA | 8d @ 4" O/C | 16d COMMON @ 4" O.C. OR 5/8" AT 32" | A,B,C,D -350 pf |
| △-SW4 | 7/16" APA | 8d @ 3" O/C | 16d COMMON @ 3" O.C. OR 5/8" AT 32" | A,B,C,D,E -490 pf |
| △-SW5 | 7/16" APA | 8d @ 2" O/C | 16d COMMON @ 3" O.C. OR 5/8" AT 24" | A,B,C,D,E -600 pf |
| △-SW7 | 7/16" APA | 8d @ 3" O/C | SDS25500 @ 3" O.C. | A,B,C,D,E |
| △-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 |

Note! MIN. 3"x3"x0.229" PLATE WASHERS ON ANCHOR BOLTS

- NOTES**
- LVL DENOTES 1.9E MICROLLAM BY TRUS JOIST MACMILLAN OR EQUIVALENT.
 - 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 COMMON NAILS @ 4" O.C. MAY BE SUBSTITUTED FOR 3x.
- F:** USE SIMPSON SB 5/8" x 24" EMBED 18" MIN. INTO STEM WALL -> FOR STEM WALL INSTALLATION.
- 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 INSTALLATION.
- 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 | (1) W 8 x 28 STEEL BEAM |
| MB2 | (1) W 8 x 21 STEEL BEAM |
| MB2B | (1) W 8 x 40 STEEL BEAM |
| MB3 | (2) 6 1/2" x 10 1/4" GLULAM PROFILES WITH SCREWS |
| MB4 | (1) 6 1/2" x 10 1/4" GLULAM PROFILE |
| MB5 | (1) 6 1/2" x 10 1/4" GLULAM PROFILE |
| MB6 | (1) W 10 x 77 STEEL BEAM |
| MB7 | (2) 1 1/2" x 11 7/8" LVL |
| MB8 | (1) 6 1/2" x 10 1/4" GLULAM PROFILE |
| MB9 | (1) 6 1/2" x 10 1/4" GLULAM PROFILE |
| MB10 | (1) W 8 x 58 STEEL BEAM |

(*) TIE MULTIPLE 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**
- ALL BEAMS TO BEAR ON MINIMUM OF (2) CRIPPLE STUDS U.N.O. ON PLAN. TYPICAL 2"x10" HEADERS MAY BEAR ON ONE CRIPPLE STUD.
 - 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.
 - SHEAR WALL TYPES AND LOCATION ARE DENOTED THUS: △ ON PLAN. SEE SCHEDULE INTERIOR SHEAR WALLS ARE DENOTED THUS: ▭ ON PLAN.
 - ALL EXTERIOR WALLS SHALL BE TYPE △ SHEAR WALL CONSTRUCTION UNLESS NOTED OTHERWISE.
 - REFER TO DETAILS, GENERAL STRUCTURAL NOTES AND SHEAR WALL SCHEDULE FOR TYPICAL SHEAR WALL BEARING WALL CONSTRUCTION.
 - REFER TO GENERAL STRUCTURAL NOTES SHEET S0 FOR ADDITIONAL INFORMATION.
 - 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.
 - ALL EXTERIOR SCANDINAVIAN PROFILE WALLS SHALL BE TYPE ◆ SHEAR WALL CONSTRUCTION UNLESS NOTED OTHERWISE.

HOLDOWNS

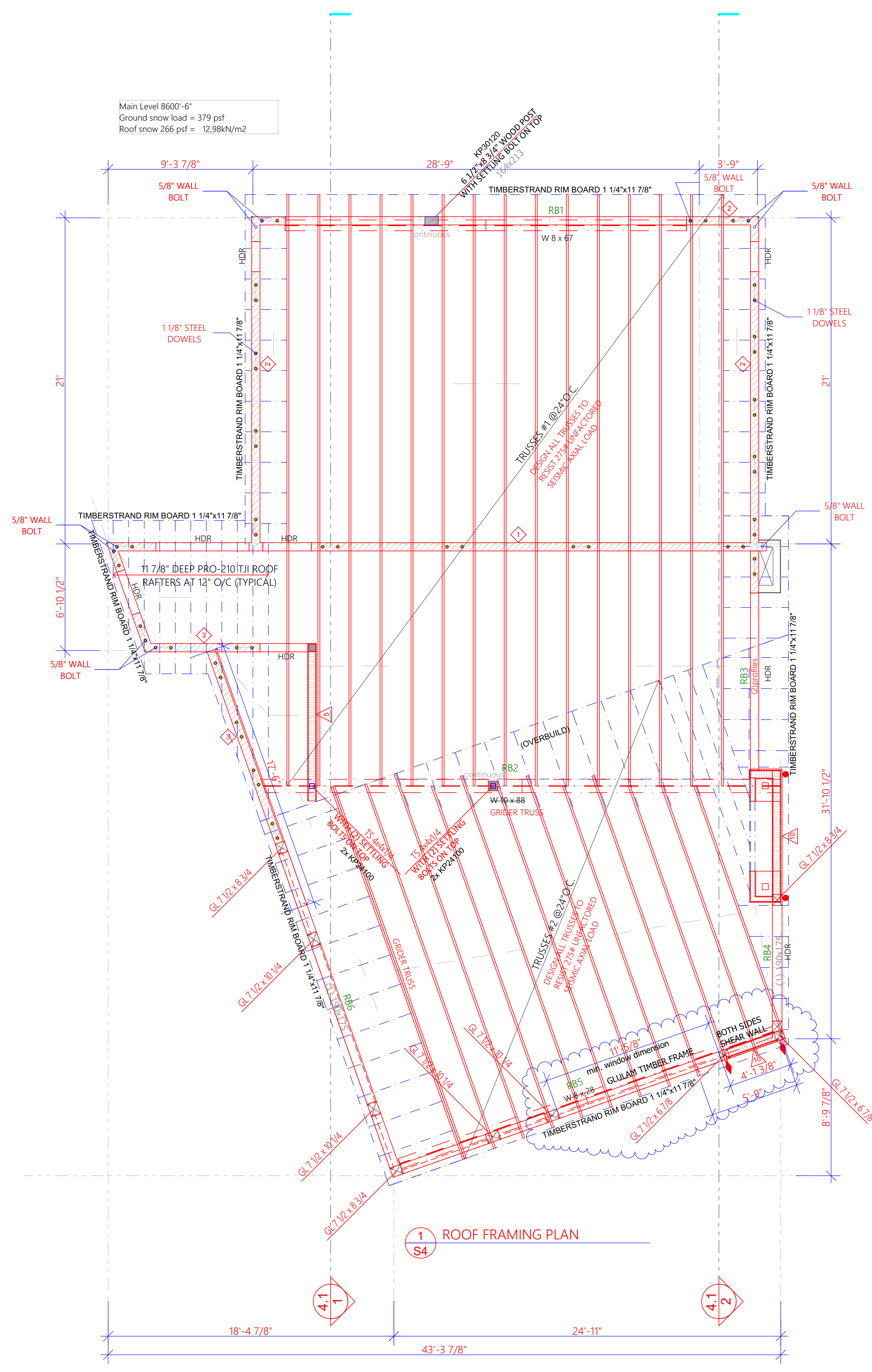
| TYPE | NOTES | ANCHOR SIZE | ANCHOR EMBEDMENT INTO FDN. WALL |
|------|----------------------------|-------------|---------------------------------|
| ◆ | = (1) SIMPSON HDU14-SDS2.5 | H. 1" | 60" |
| ● | = SIMPSON HDU11 - SDS2.5 | H. J. 1" | 42" |
| ▼ | = SIMPSON HDU5 - SDS2.5 | F. G. 5/8" | 9" |
| T | = SIMPSON HDU8 - SDS2.5 | H. K. 7/8" | 10 1/2" |
| + | = SIMPSON STHD14 | | |

SHEAR (SCANDINAVIAN WALL SYSTEM) WALL SCHEDULE

| TYPE | STEEL PIPES NOTE! EACH LOG COURSES | ANCHOR BOLTS | REMARKS |
|------|------------------------------------|--------------|------------------------------|
| ◆ | LOCATION OF THE WALL | 5/8" AT 24" | (2) 13" x 1/2" SCREWS AT 24" |
| ◆ | LOCATION OF THE WALL | 5/8" AT 16" | (2) 13" x 1/2" SCREWS AT 12" |
| ◆ | LOCATION OF THE WALL | 5/8" AT 8" | (2) 13" x 1/2" SCREWS AT 8" |

Note! MIN. 3"x3"x0.229" PLATE WASHERS ON ANCHOR BOLTS

- 1 1/8" STEEL DOWELS
- 1 1/8" STEEL DOWEL LOCATION, TYPICAL AS SHOWN ON PLANS. SEE DETAIL S304 FOR INSTALLATION OF DOWELS.
- 5/8" WALL BOLT
- 5/8" WALL CORNER BOLT LOCATION, TYPICAL AS SHOWN ON PLANS. SEE DETAIL S304 FOR INSTALLATION OF STEEL BOLTS.



SHEAR WALL SCHEDULE

| TYPE | MATERIAL | EDGE NAILING | SILL PLATE ANCHORS | REMARKS |
|--------|-------------------------|--------------|-------------------------------------|-------------------|
| △-SW1 | 7/16" APA | 8d @ 6" O/C | 16d COMMON @ 6" O.C. OR 5/8" AT 32" | A,B,C,D -260 pf |
| △-SW2 | 7/16" APA | 8d @ 4" O/C | 16d COMMON @ 4" O.C. OR 5/8" AT 32" | A,B,C,D -350 pf |
| △-SW4 | 7/16" APA | 8d @ 3" O/C | 16d COMMON @ 3" O.C. OR 5/8" AT 32" | A,B,C,D,E -490 pf |
| △-SW5 | 7/16" APA | 8d @ 2" O/C | 16d COMMON @ 3" O.C. OR 5/8" AT 24" | A,B,C,D,E -600 pf |
| △-SW7 | 7/16" APA | 8d @ 3" O/C | SDS25500 @ 3" O.C. OR 5/8" AT 16" | A,B,C,D,E |
| △-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:
- LVL DENOTES 1.9E MICROLLAM BY TRUS JOIST MACMILLAN OR EQUIVALENT.
 - DECK LEDGER BOARDS MUST BE TRATED WHEN USING TJI, BCI or LPI RIM BOARDS.
 - ALL SHEATHING SHALL BE CDX STRUCTURAL 1 OR 11 A.P.A. RATED SHEATHING WITH ALL EDGES BLOCKED.
 - 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.
 - ALL HARDWARE SHALL BE 'SIMPSON STRONG TIE' OR APPROVED EQUAL.
 - 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.
 - USE MINIMUM 3x STUDS AT ALL ADJOINING (ABUTTING) EDGES. EDGE NAILING SHALL BE STAGGERED. (2) 2x NAILED TOGETHER WITH 16d COMMON NAILS @ 4" O.C. MAY BE SUBSTITUTED FOR 3x.
 - USE SIMPSON SB 5/8" x 24" EMBED 18" MIN. INTO STEM WALL -> FOR STEM WALL INSTALLATION.
 - 3" MINIMUM POST
 - 5 1/2" MINIMUM POST
 - USE SIMPSON SB 1" x 30" EMBED 14" MIN. INTO STEM WALL -> FOR STEM WALL INSTALLATION.
 - USE SIMPSON SB 7/8" x 24" EMBED 18" MIN. INTO STEM WALL

ROOF BEAM SCHEDULE

| MARK | GLULAM (FIN), LVL OR SAWN BEAMS |
|------|---------------------------------------|
| RB1 | (1) W 8 x 67 STEEL BEAM |
| RB2 | (1) W 10 x 88 STEEL BEAM GRIDER TRUSS |
| RB3 | (2) 6 1/2" x 10 1/4" GLULAM PROFILES |
| RB4 | (1) (7 1/2") x 10 1/4" GLULAM (FIN) |
| RB5 | (1) W 8 x 28 STEEL BEAM |
| RB6 | (1) (7 1/2") x 10 1/4" GLULAM (FIN) |

(* TIE MULTIPLE PLY MEMBERS TOGETHER (DTL 2/S2))

HOLDOWNS

| TYPE | NOTES | ANCHOR SIZE | ANCHOR EMBEDMENT INTO FDN. WALL |
|------|----------------------------|-------------|---------------------------------|
| ◆ | = (1) SIMPSON HDU14-SDS2.5 | H. 1" | 60" |
| ● | = SIMPSON HDU11 - SDS2.5 | H. J. 1" | 42" |
| ▼ | = SIMPSON HDU5 - SDS2.5 | F. G. 5/8" | 9" |
| T | = SIMPSON HDU8 - SDS2.5 | H. K. 7/8" | 10 1/2" |
| + | = SIMPSON STHD14 | | |

SHEAR (SCANDINAVIAN WALL SYSTEM) WALL SCHEDULE

| TYPE | STEEL PIPES NOTE! EACH LOG COURSES | ANCHOR BOLTS | REMARKS |
|------|------------------------------------|--------------|--------------------------------------|
| ◆ | LOCATION OF THE WALL DRAWINGS | 5/8" AT 24" | (2) 13" x 1/2" SCREWS AT 24" -340 pf |
| ◆ | LOCATION OF THE WALL DRAWINGS | 5/8" AT 16" | (2) 13" x 1/2" SCREWS AT 12" -680 pf |
| ◆ | LOCATION OF THE WALL DRAWINGS | 5/8" AT 8" | (2) 13" x 1/2" SCREWS AT 8" -1020 pf |

Note! MIN. 3"x3"x0.229" PLATE WASHERS ON ANCHOR BOLTS

- 1 1/8" STEEL DOWELS: 1 1/8" STEEL DOWEL LOCATION, TYPICAL AS SHOWN ON PLANS. SEE DETAIL S304 FOR INSTALLATION OF DOWELS.
- 5/8" WALL BOLT: 5/8" WALL CORNER BOLT LOCATION, TYPICAL AS SHOWN ON PLANS. SEE DETAIL S304 FOR INSTALLATION OF STEEL BOLTS.

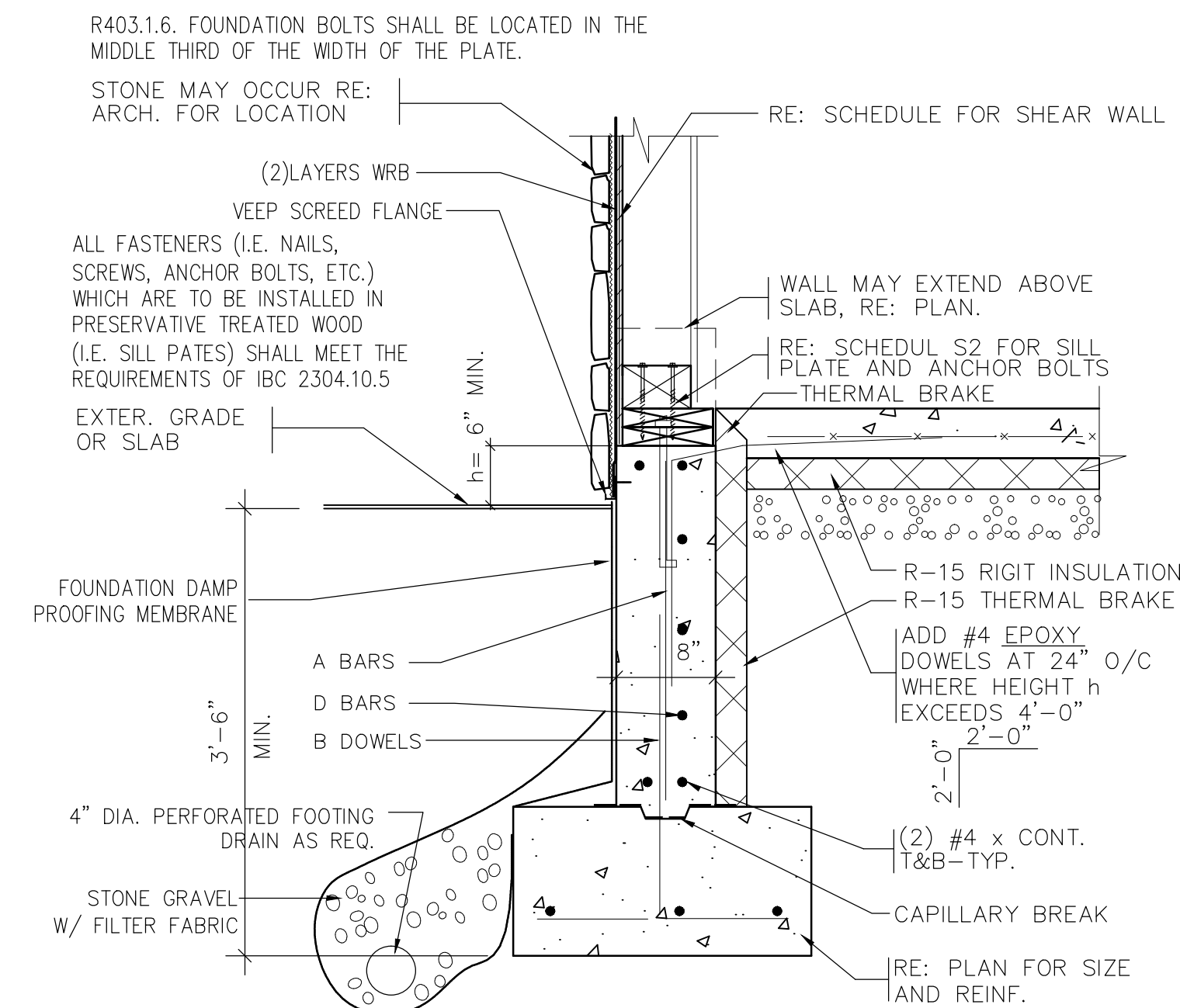
STUD HEIGHT CHART

| 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 | |

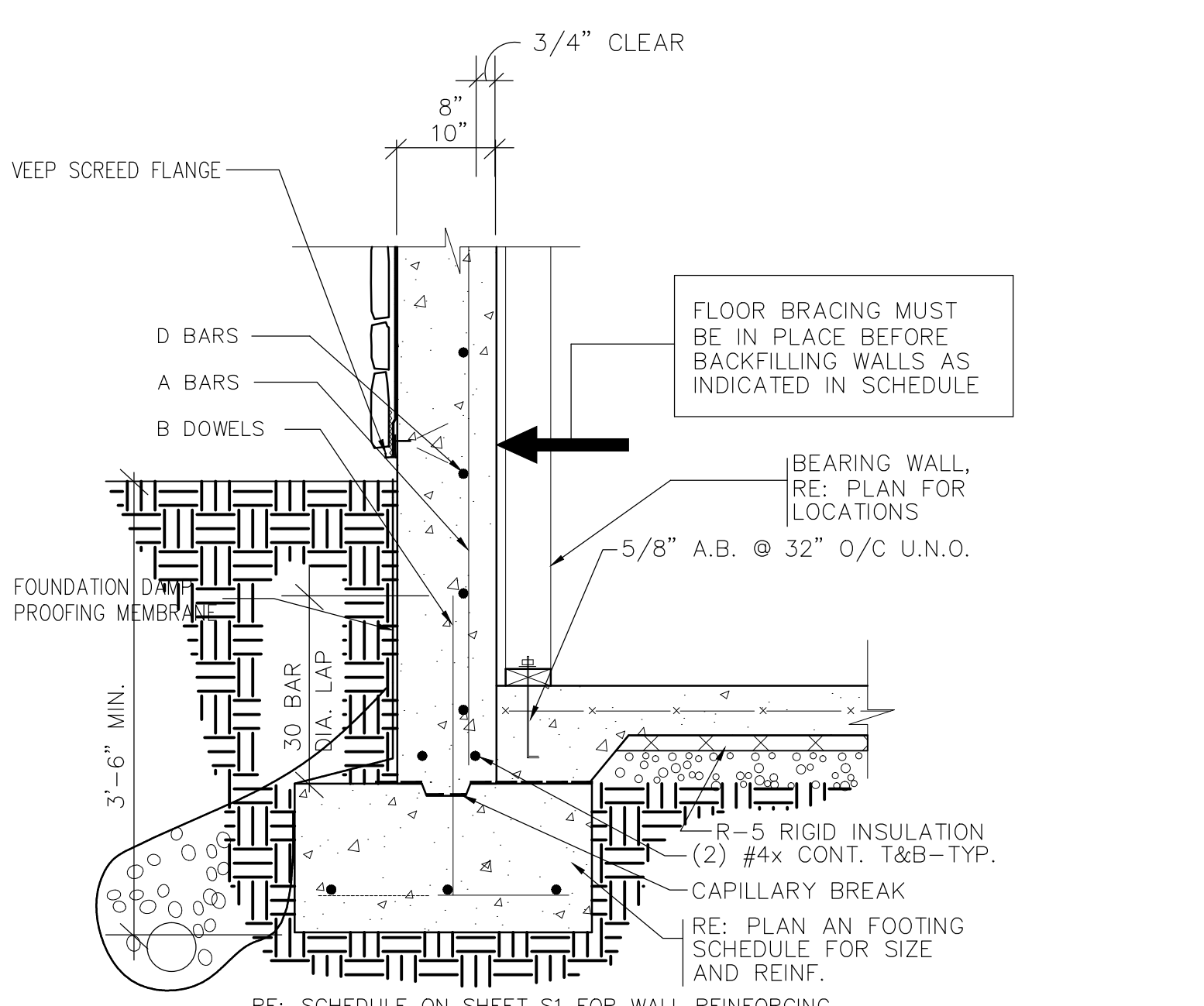
FRAMING PLAN NOTES

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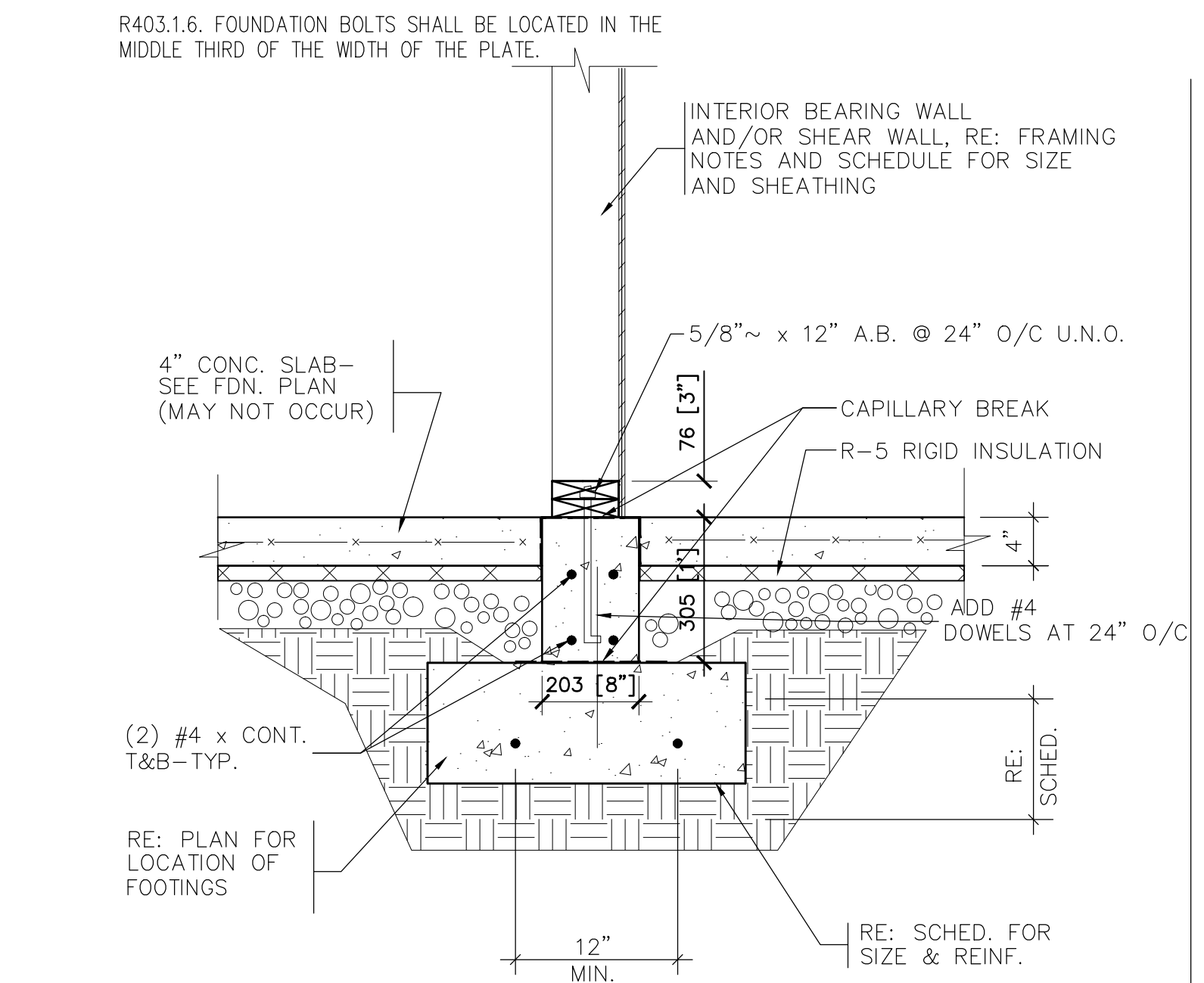




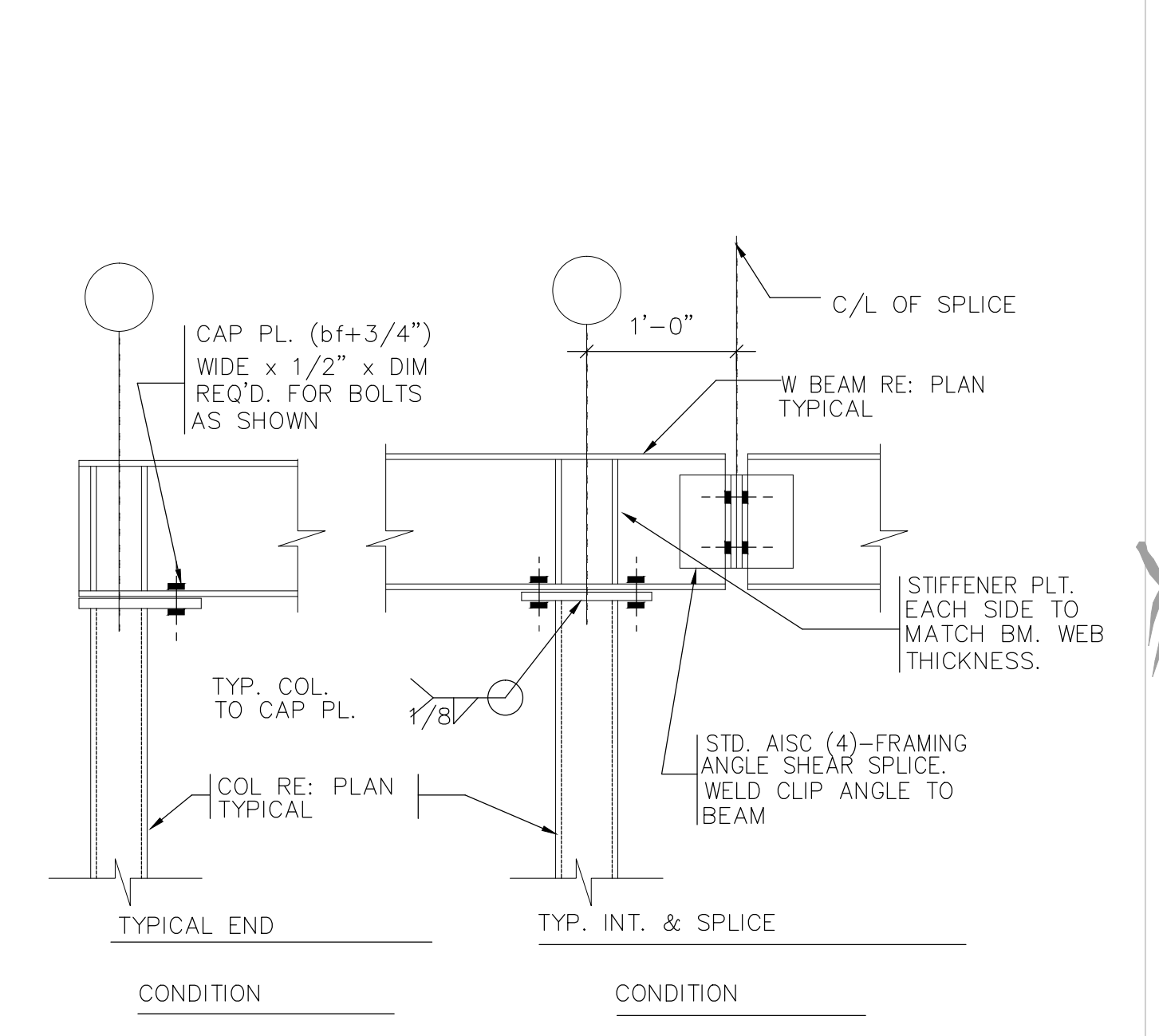
A FOUNDATION WALL DETAIL
S300 NO SCALE



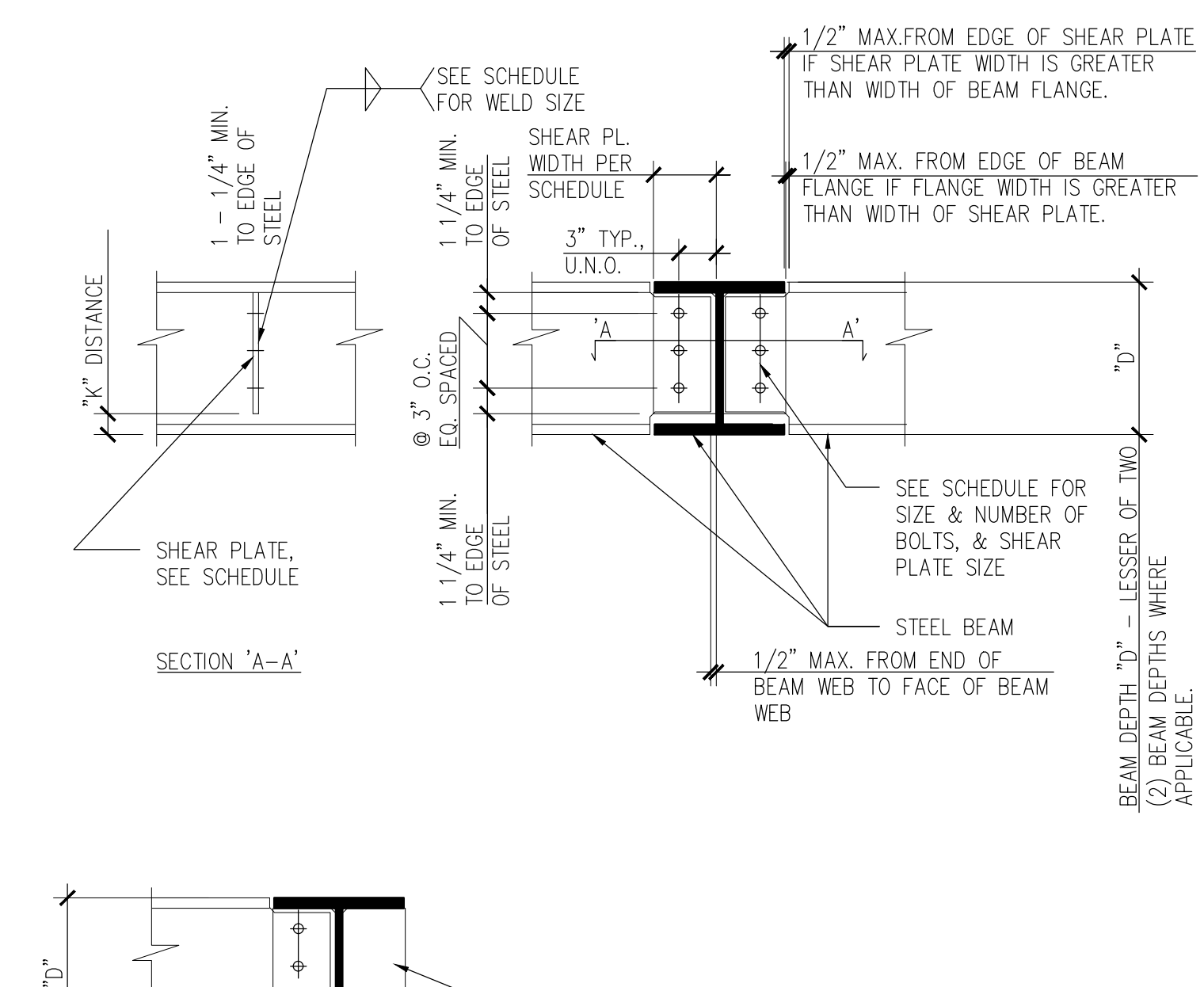
B FOUNDATION WALL DETAIL
S300 NO SCALE



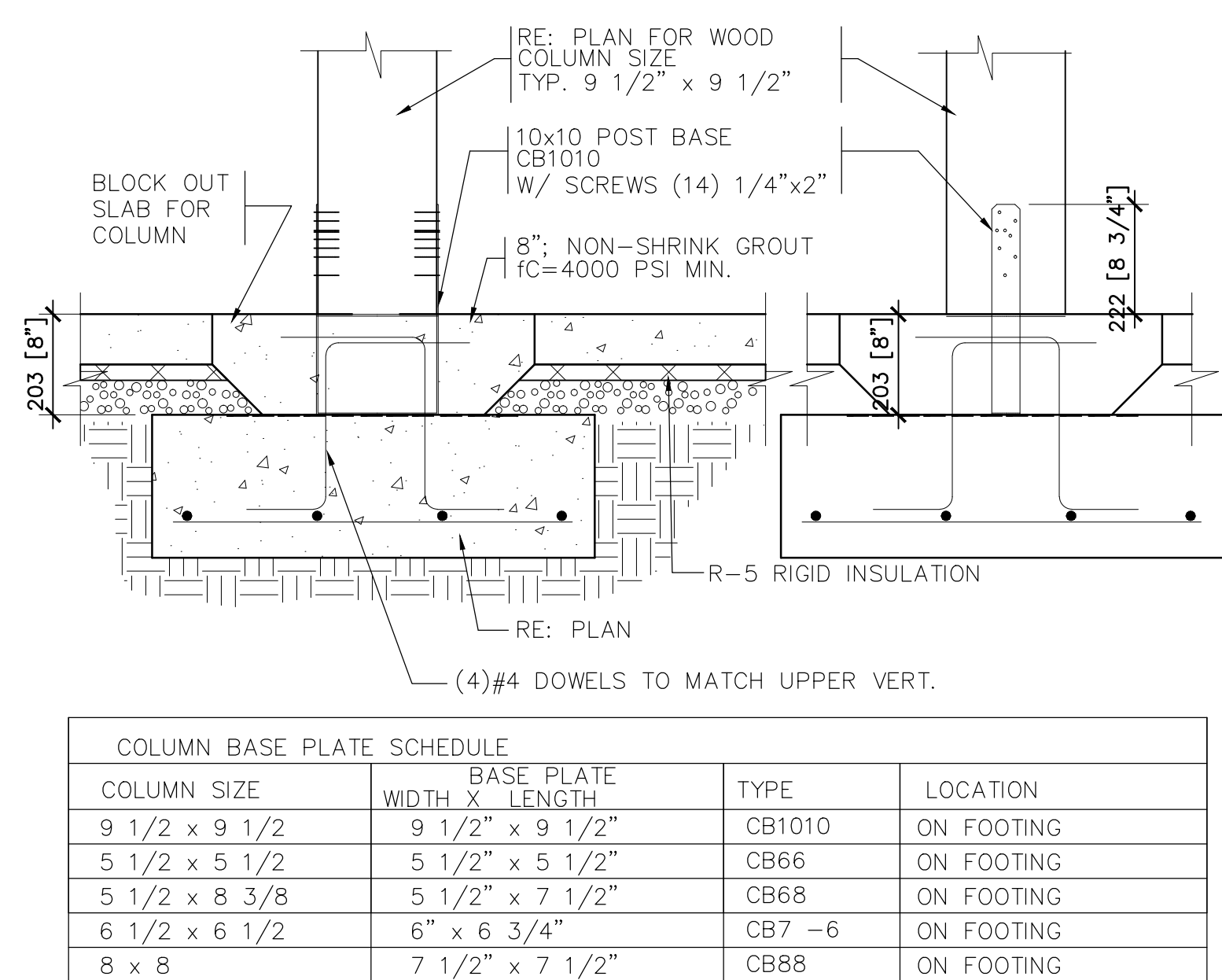
C TYPICAL INTERIOR FOOTING DTL
S300 NO SCALE



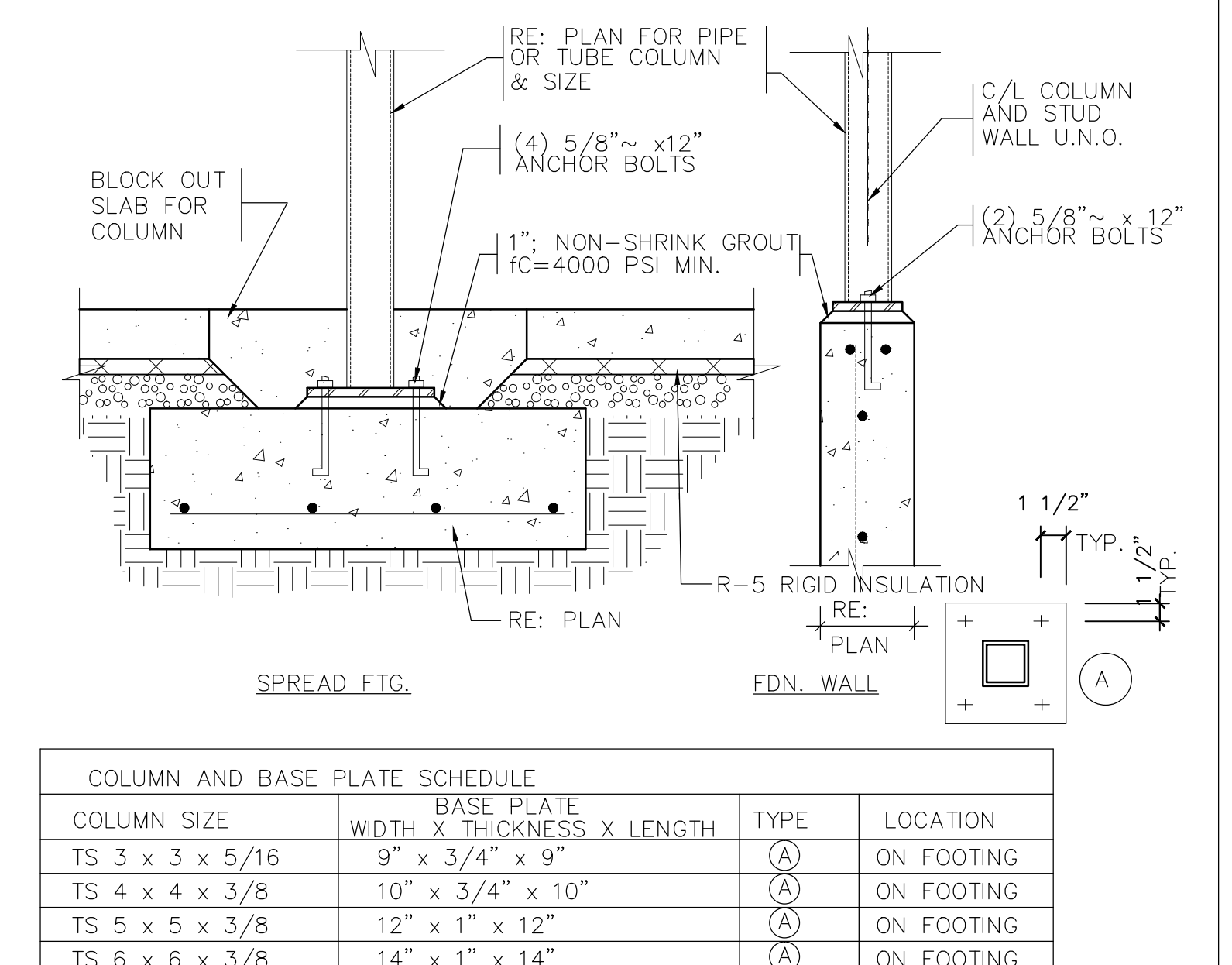
N TYP. BEAM TO COL. DETAIL
S300 NO SCALE



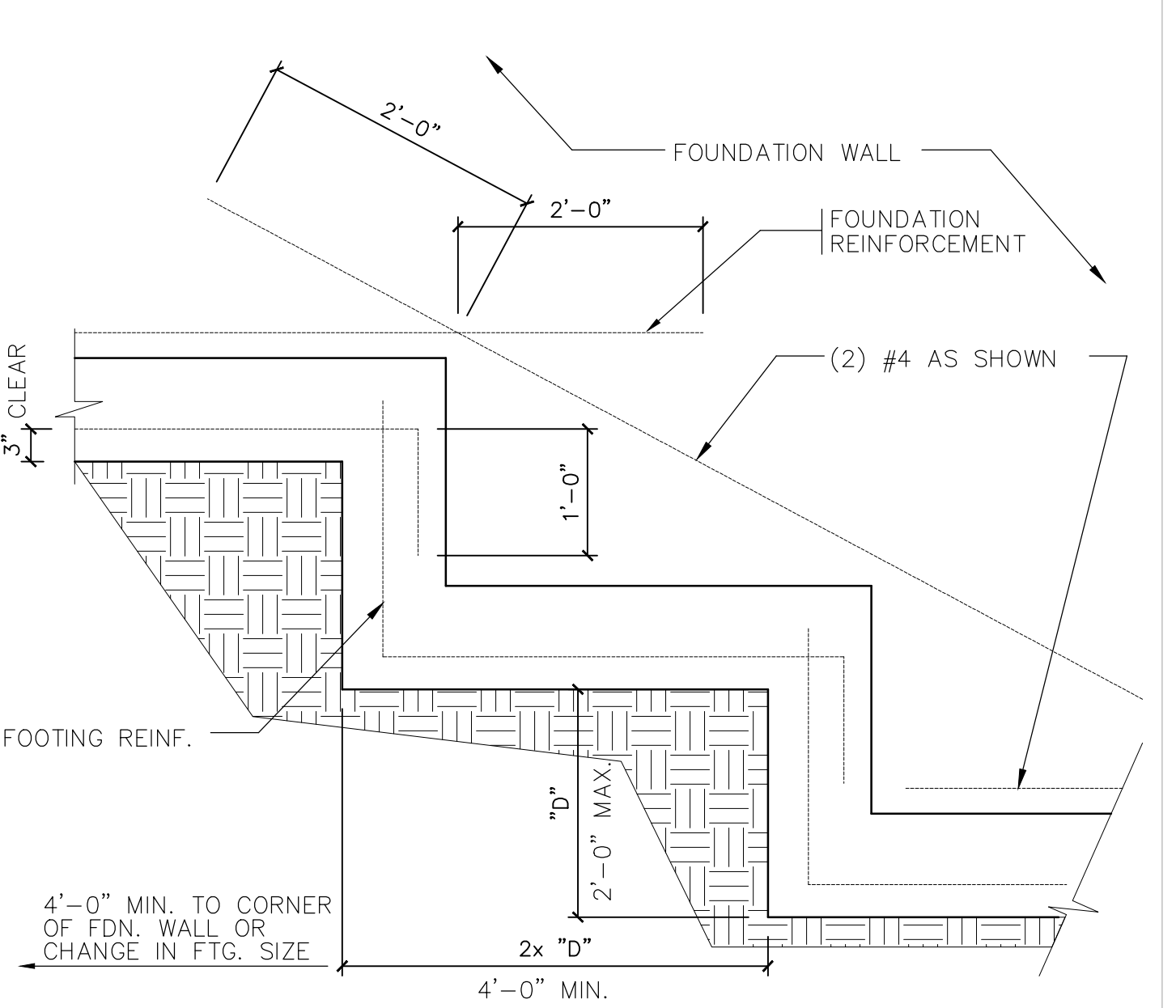
E WOOD COLUMN DETAIL
S300 NO SCALE



F STEEL COLUMN DETAIL
S300 NO SCALE



G TYP. FOOTING STEP DETAIL
S300 NO SCALE

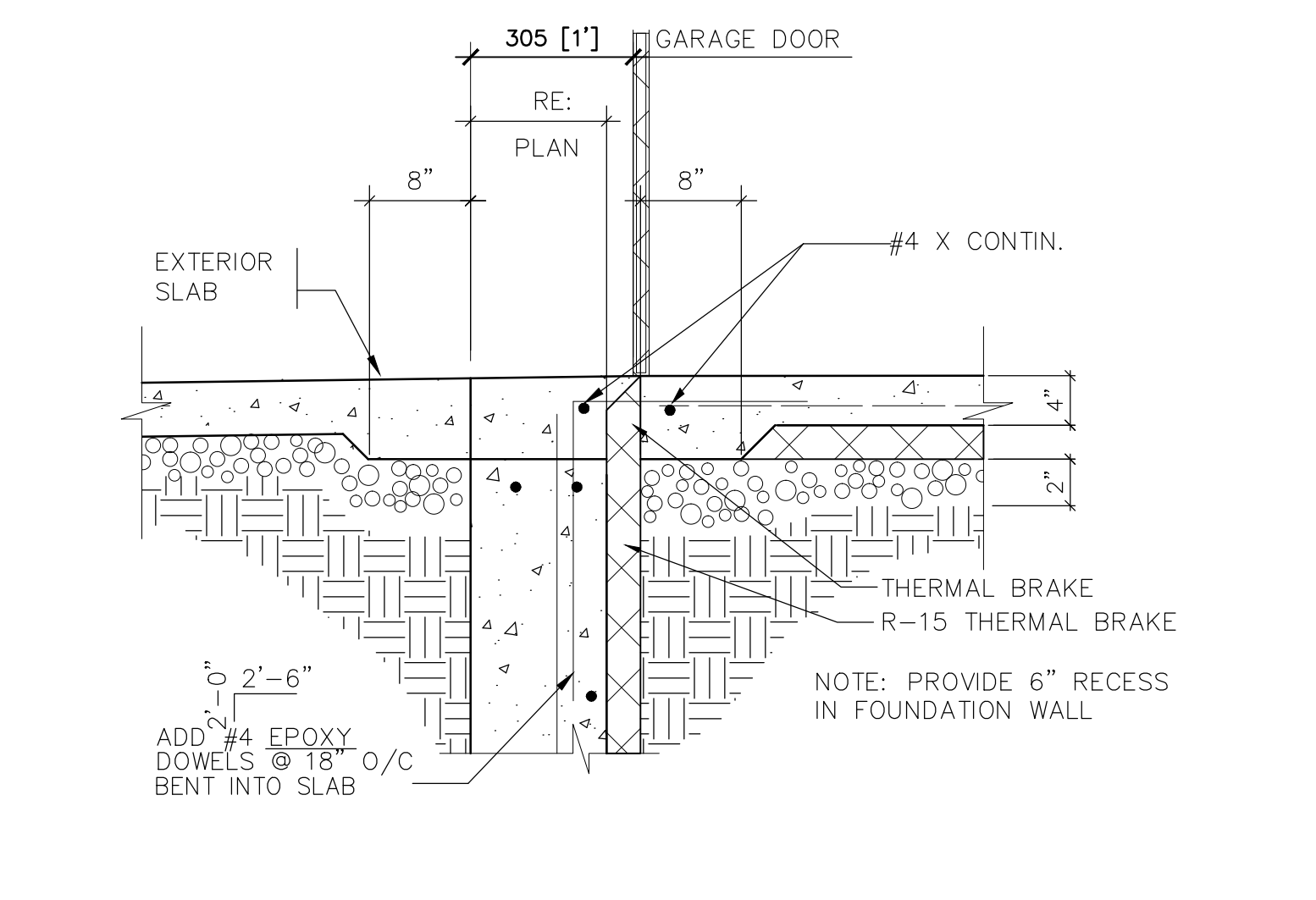


H TYP. BEAM TO BEAM DETAIL
S300 NO SCALE

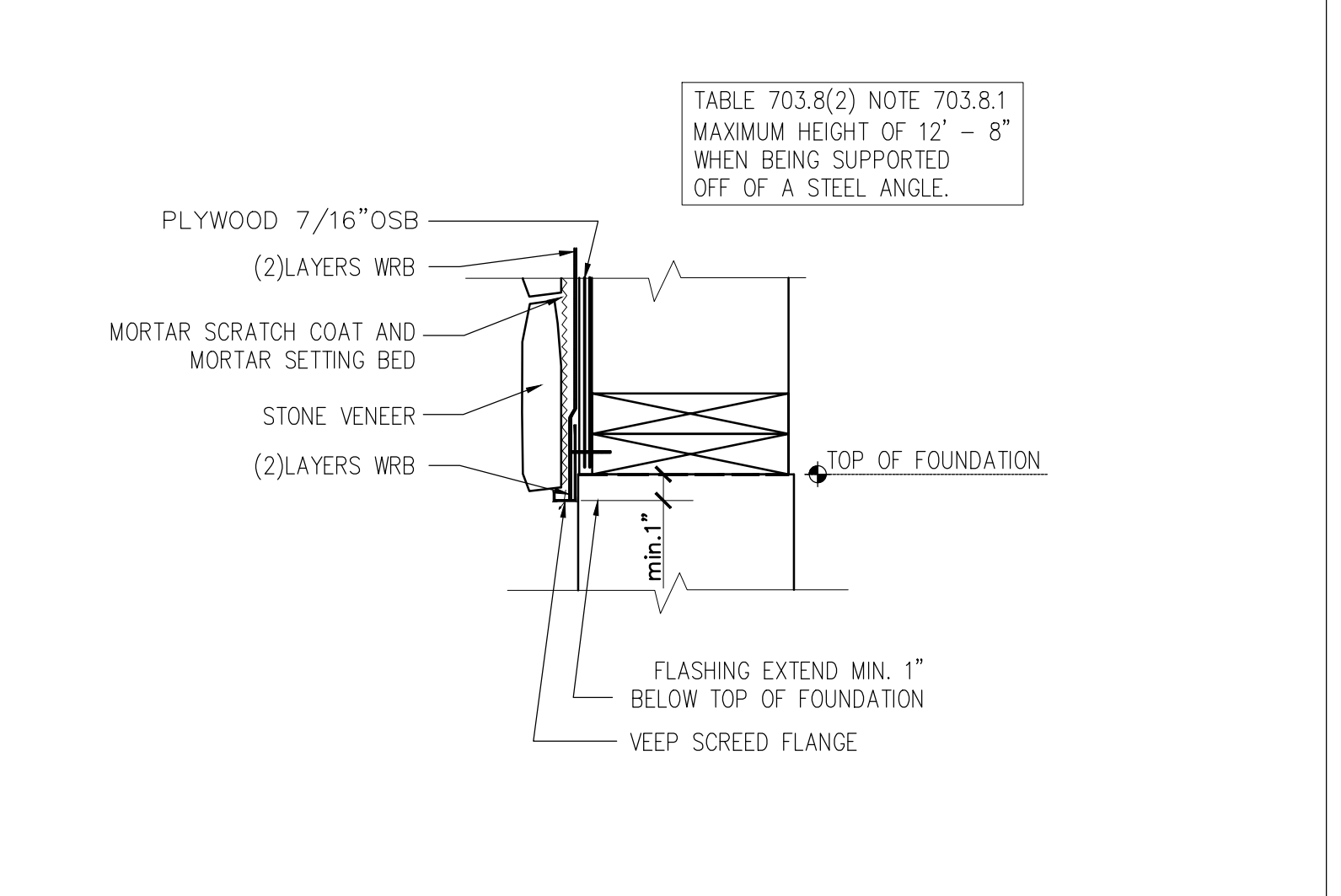
TYPICAL SINGLE-PLATE BOLTED CONNECTIONS

| BEAM SIZE | SHEAR PLATE DIMENSIONS THICKNESS HEIGHT WIDTH | BOLT REQUIREMENTS QUANTITY DIAMETER GRADE | FILLET WELD SIZE |
|-------------|---|---|------------------|
| W6 x 1/4" | 4" 7 1/2" | 2 3/4" DIA. A325 | 3/16" |
| W8 x 1/4" | 5 1/2" 5" | 2 3/4" DIA. A325 | 3/16" |
| W10 x 1/4" | 5 1/2" 5" | 2 3/4" DIA. A325 | 3/16" |
| W12 x 1/4" | 8 1/2" 5" | 3 3/4" DIA. A325 | 3/16" |
| W14 x 5/16" | 8 1/2" 5" | 3 3/4" DIA. A325 | 1/4" |
| W16 x 5/16" | 11 1/2" 5" | 4 3/4" DIA. A325 | 1/4" |
| W18 x 3/8" | 14 1/2" 5" | 5 3/4" DIA. A490 | 5/16" |
| W21 x 3/8" | 17 1/2" 5" | 6 3/4" DIA. A490 | 5/16" |
| W24 x 7/16" | 17 1/2" 5" | 6 3/4" DIA. A490 | 3/8" |
| W27 x 7/16" | 20 1/2" 5" | 7 3/4" DIA. A490 | 3/8" |
| W30 x 1/2" | 23 1/2" 5" | 8 3/4" DIA. A490 | 3/8" |

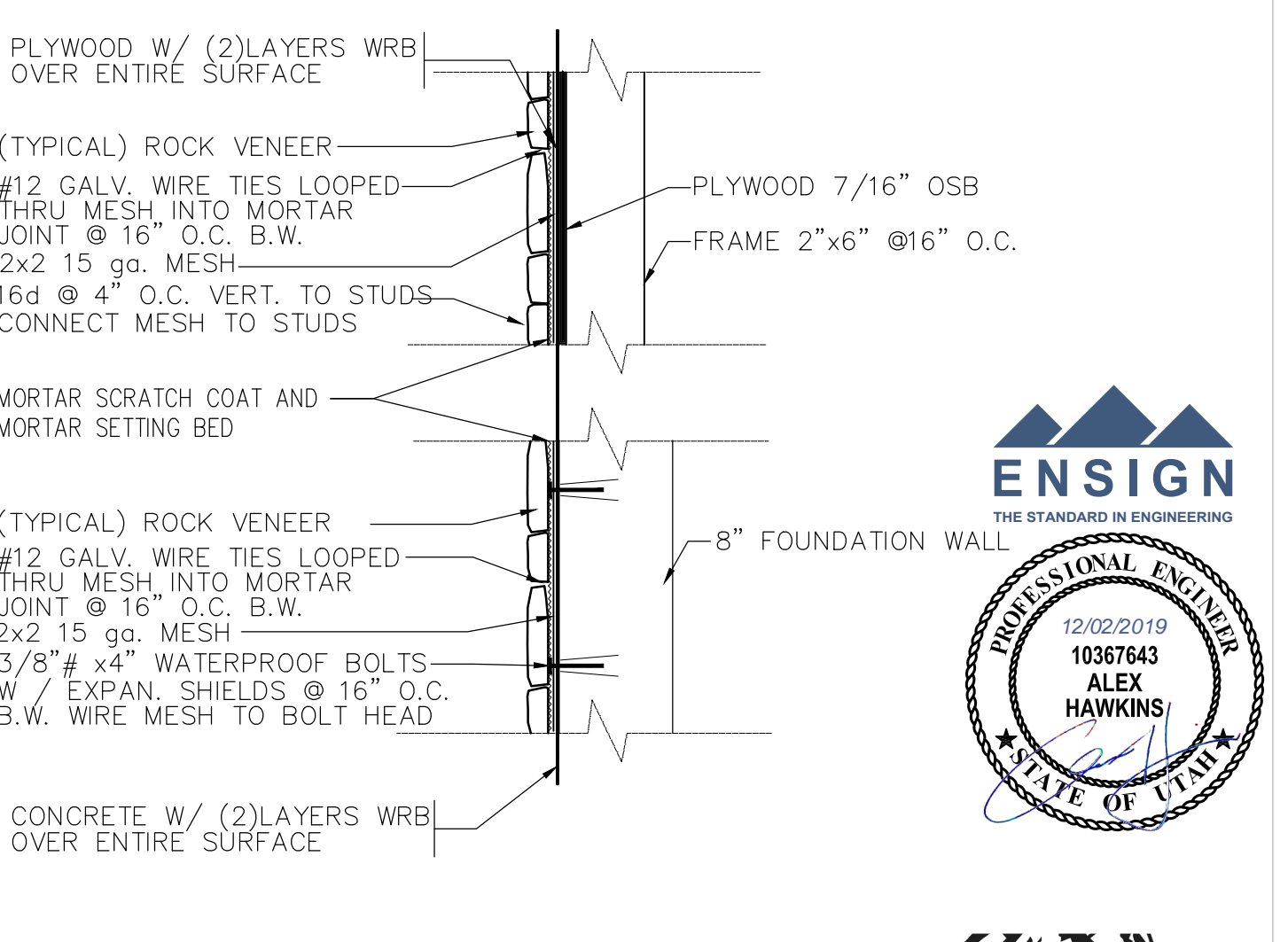
L TYP. THRESHOLD DETAIL
S300 NO SCALE



V VEEP SCREED DETAIL
S300 NO SCALE



R STONE VENEER DETAIL
S300 NO SCALE



S300



ARCHITECTURAL OFFICE
Company Name: Scandinavian LLC
Address: 6410 N. Business Park Loop Rd. Unit E
Phone: 435-513-0355
Fax:
Project No:
Cad File:
Drawn:
Checked:

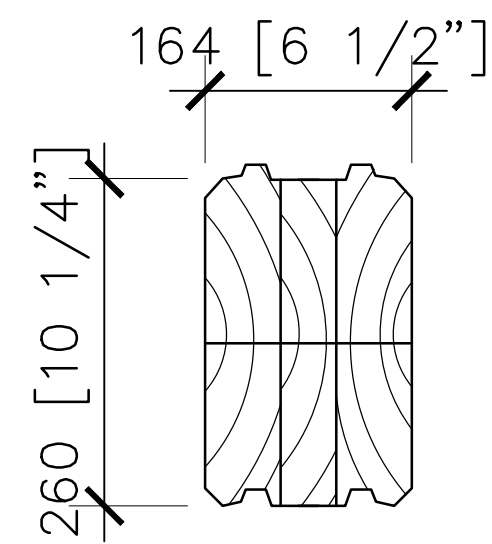
A New Residence:
BLAKE KINGSBURY
Summit Powder Mountain, Lot # 86R
8549 E. Spring Park, Weber County, Utah

BUILDER
Company Name:
Address:
Park City, Utah 84098
Phone:
Fax:



Drawing Date: 11-28-2019
Scale: 1" = 1'-0"
Title No:
DETAILS
BUILDER/DEALER'S APPROVAL:
Signature and Date:

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SCANDINAVIAN PROFILE (MLL 164)

| | |
|---|------------|
| MAXIMUM LENGTH | 39 ft |
| MINIMUM LENGTH | 1 ft |
| APPROXIMATE WEIGHT | 14 lb / ft |
| PROFILE WALL INSTALLATION PER MANUFACTURERS GUIDELINES AND INSTRUCTIONS | |

THE CHARACTERISTIC VALUES FOR SCANDINAVIAN SAWN TIMBER (T24), [PSI]

| MATERIAL | Fb | Ft | Fv | FcT | FcII | MOE |
|---------------|------|-----|-----|-----|------|--------|
| SCOTCH SPRUCE | 1390 | 914 | 139 | 348 | 914 | 943000 |

THE CHARACTERISTIC VALUES FOR SCANDINAVIAN GLUE LAM BEAMS (L30), [PSI]

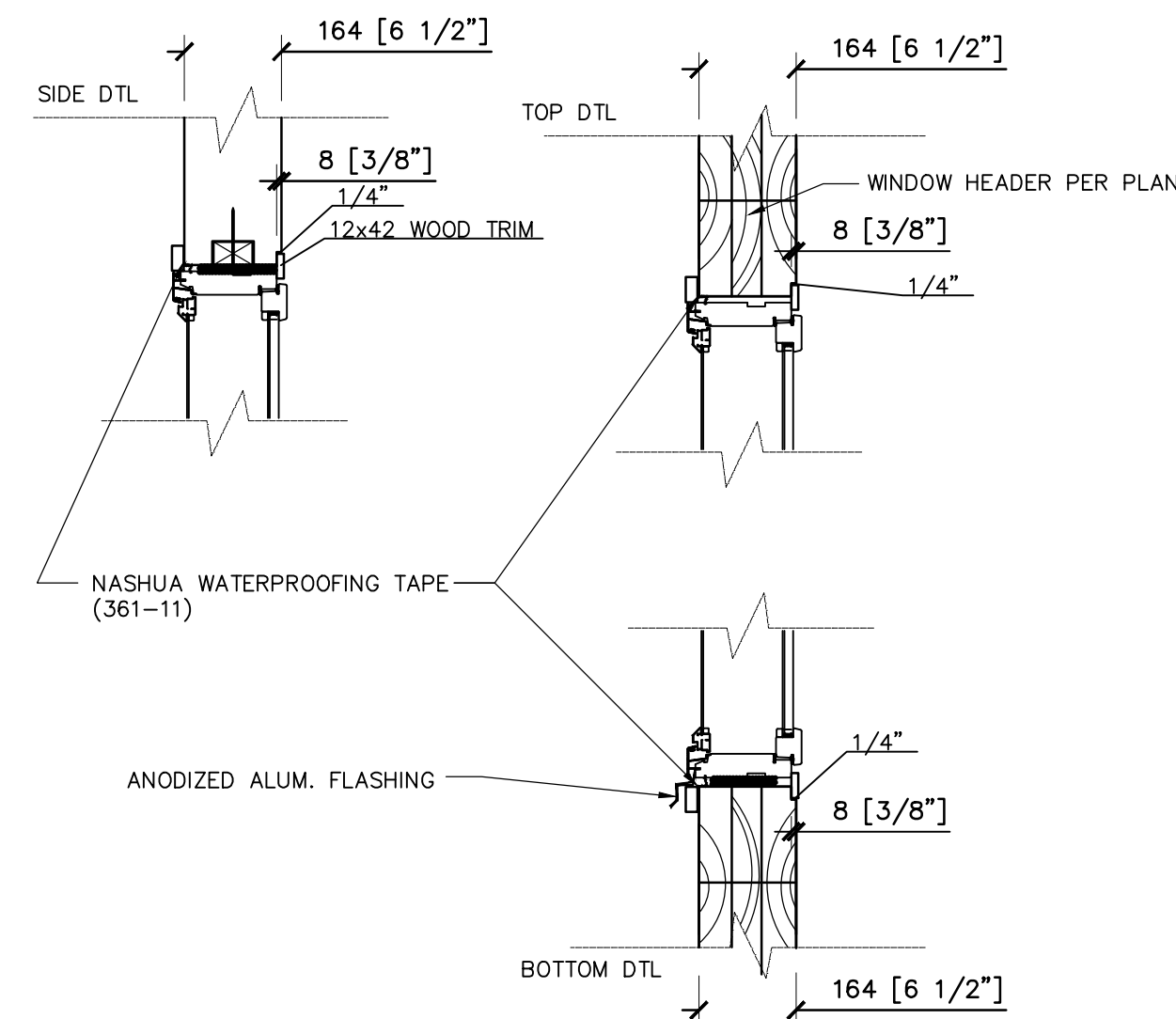
| MATERIAL | Fb | Ft | Fv | FcT | FcII | MOE |
|---------------|------|------|-----|-----|------|---------|
| SCOTCH SPRUCE | 1741 | 1190 | 167 | 348 | 1190 | 1015965 |

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

1 SCANDINAVIAN WALL PROFILE

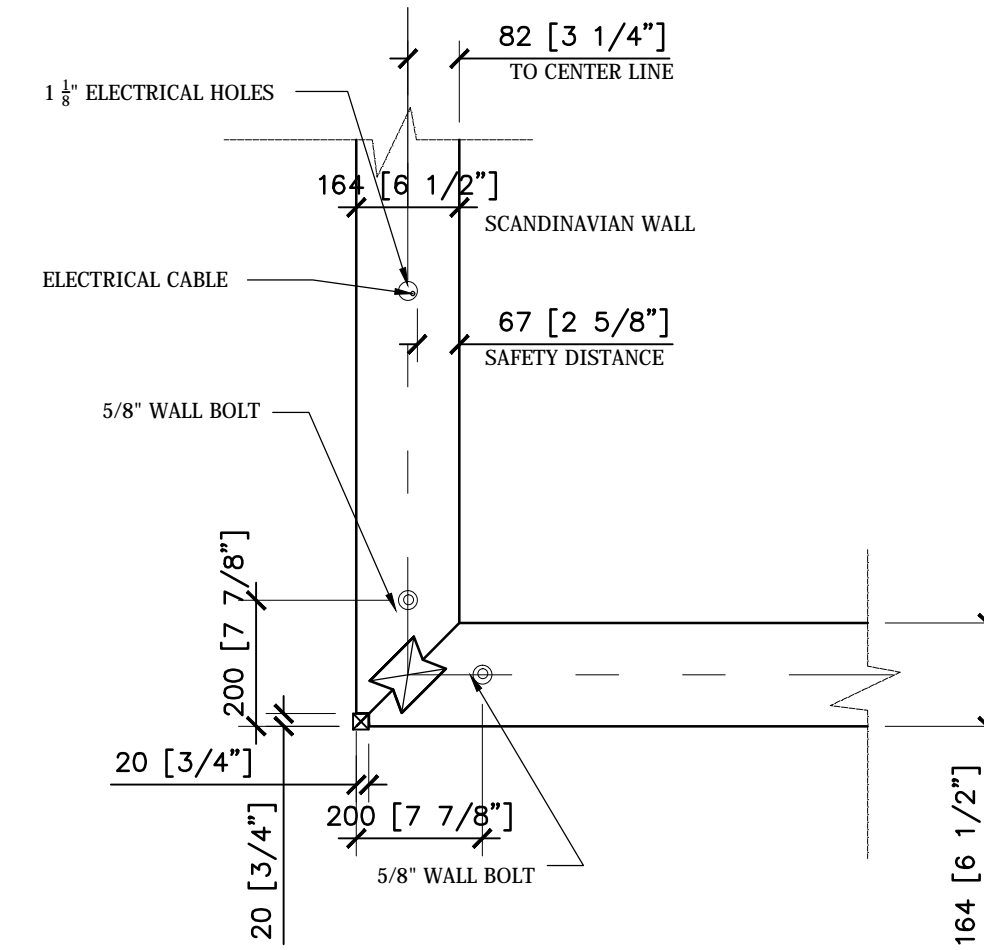
S301 SCALE: -

WINDOW FRAME CONNECTED TO SCANDINAVIAN PROFILE WALL.



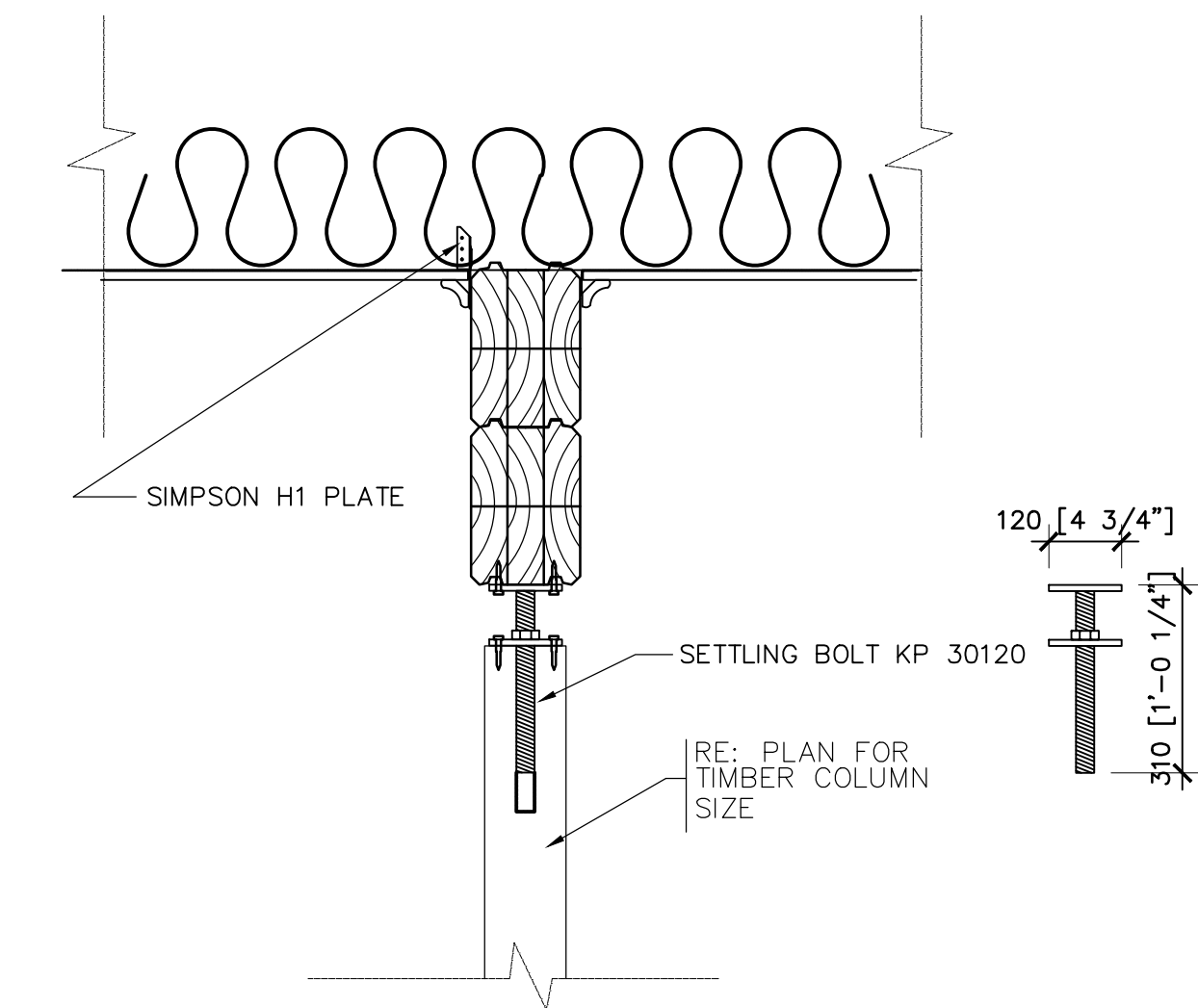
2 TYP. WINDOW DTL#1

S301 SCALE: 1" = 1'-0"



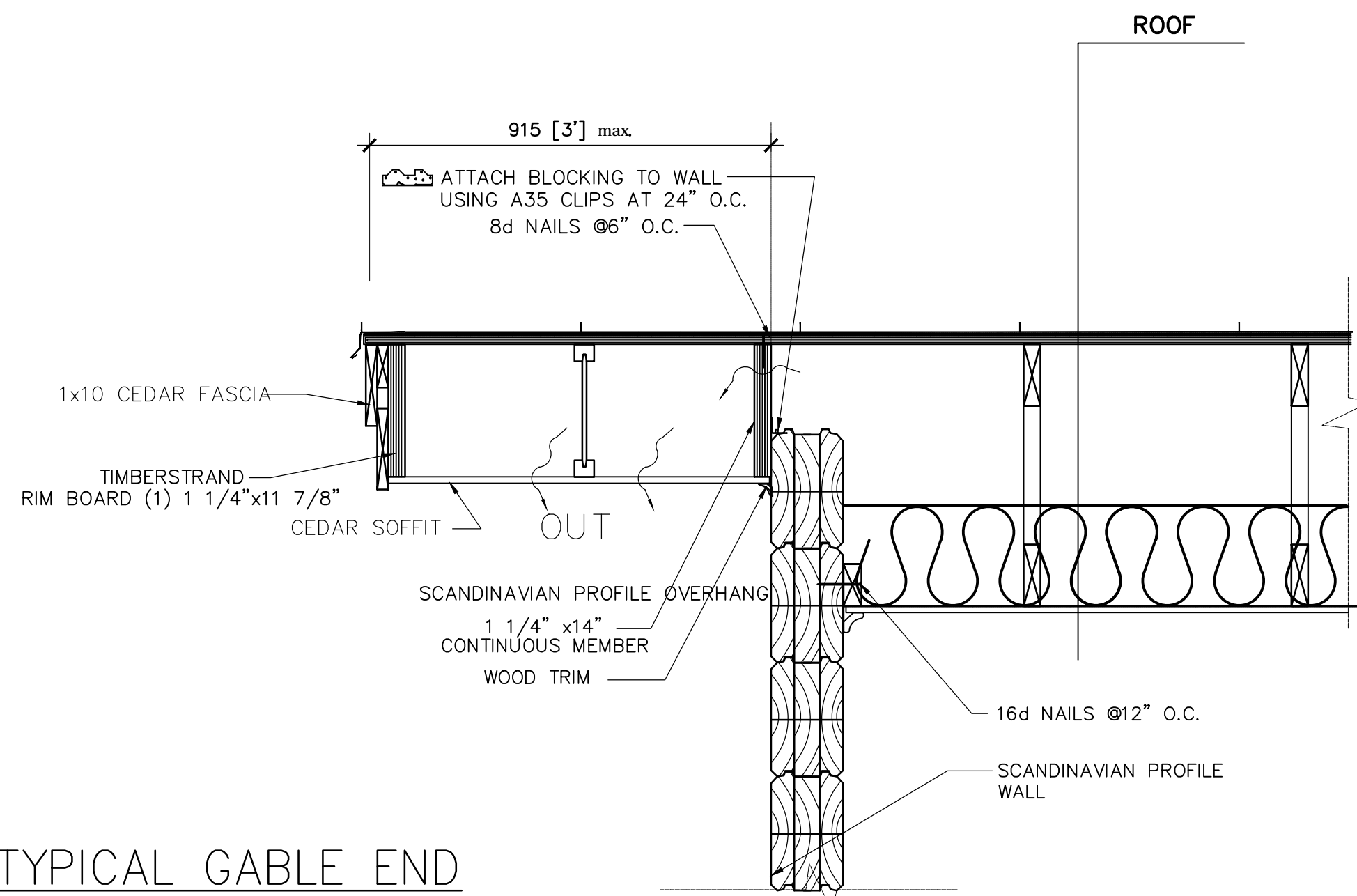
3 TYPICAL CORNER DETAIL

S301 SCALE: 1" = 1'-0"



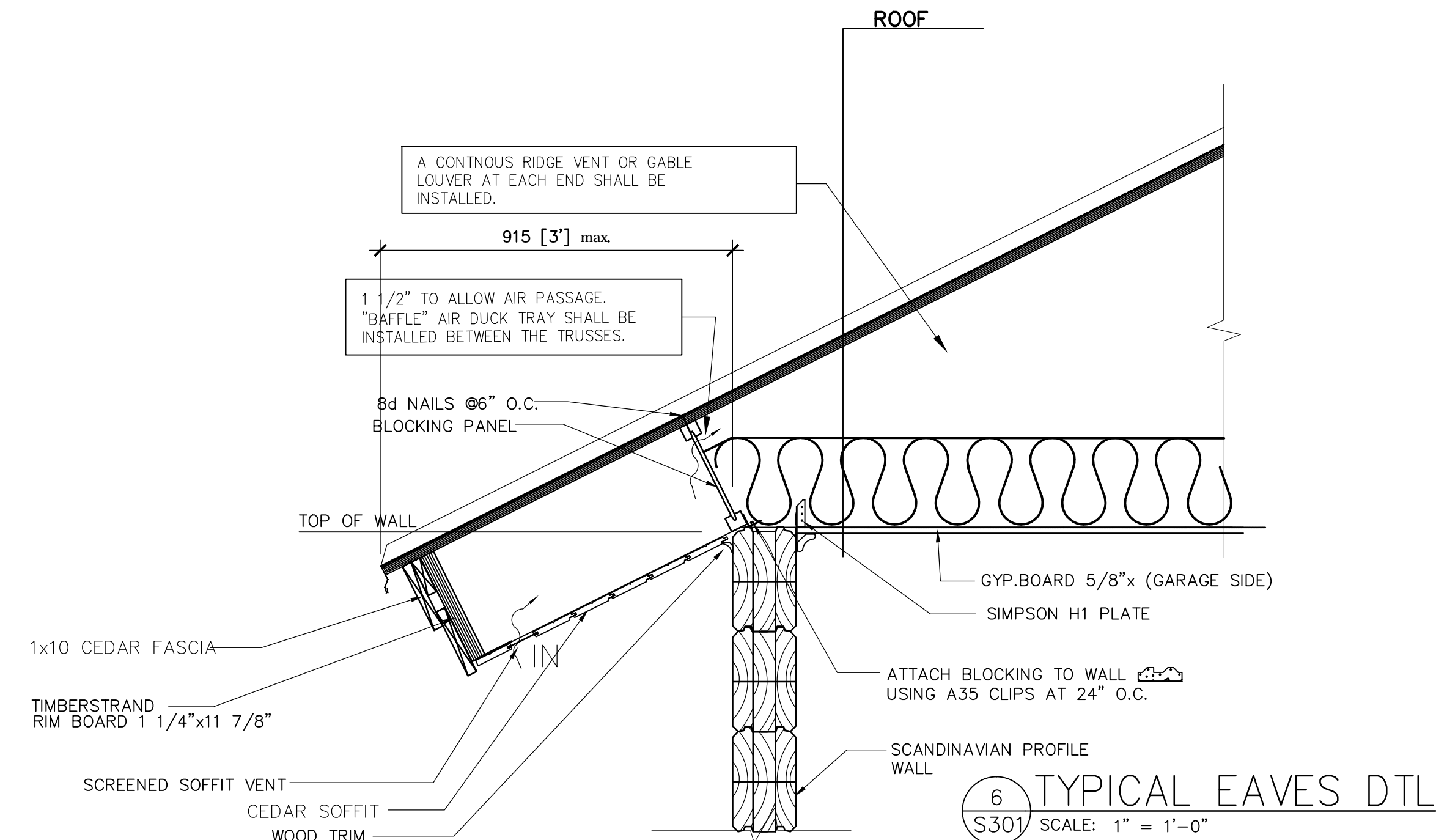
4 TYPICAL COLUMN / BEAM DETAIL

S301 SCALE: 1" = 1'-0"



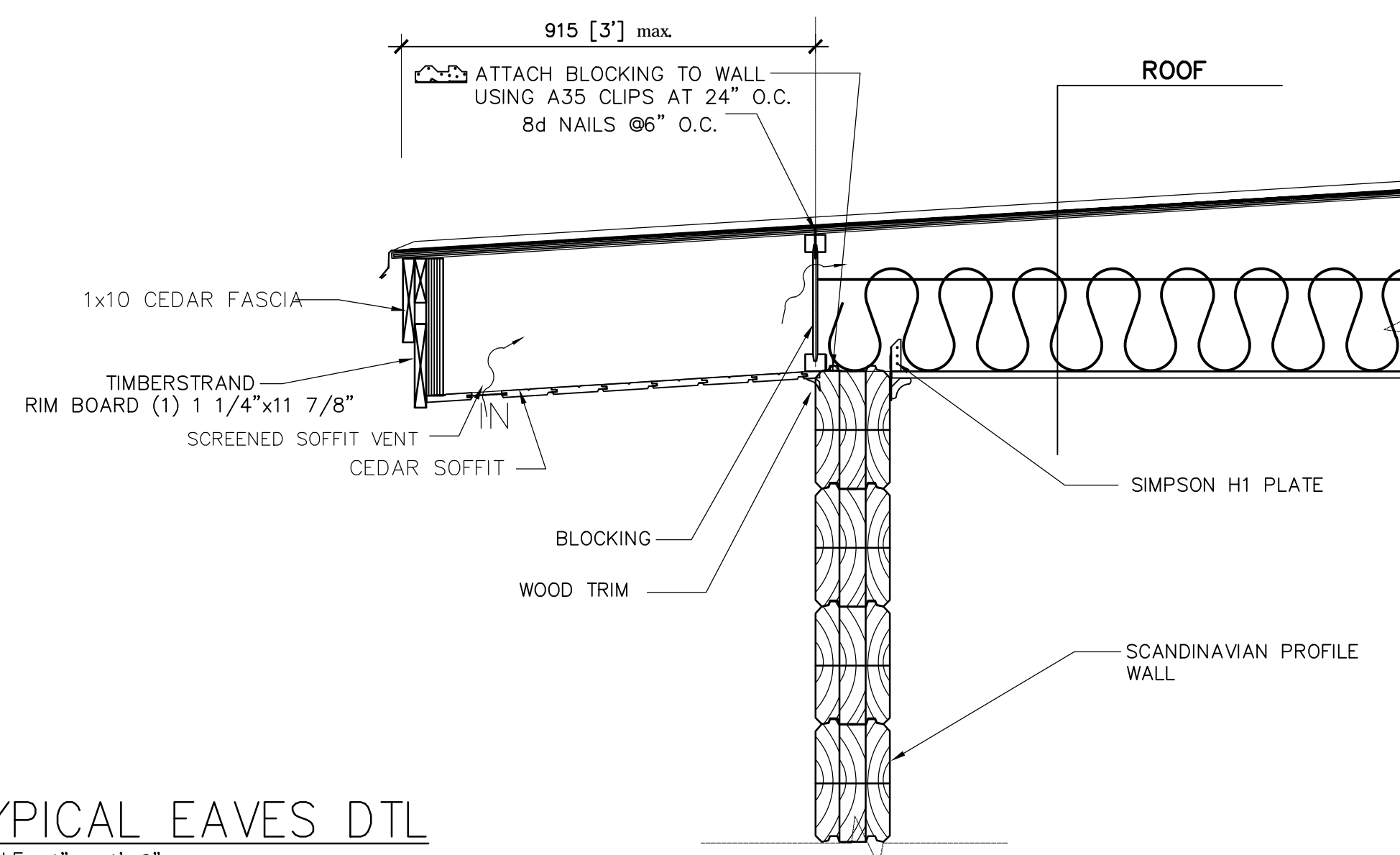
5 TYPICAL GABLE END

S301 SCALE: 1" = 1'-0"



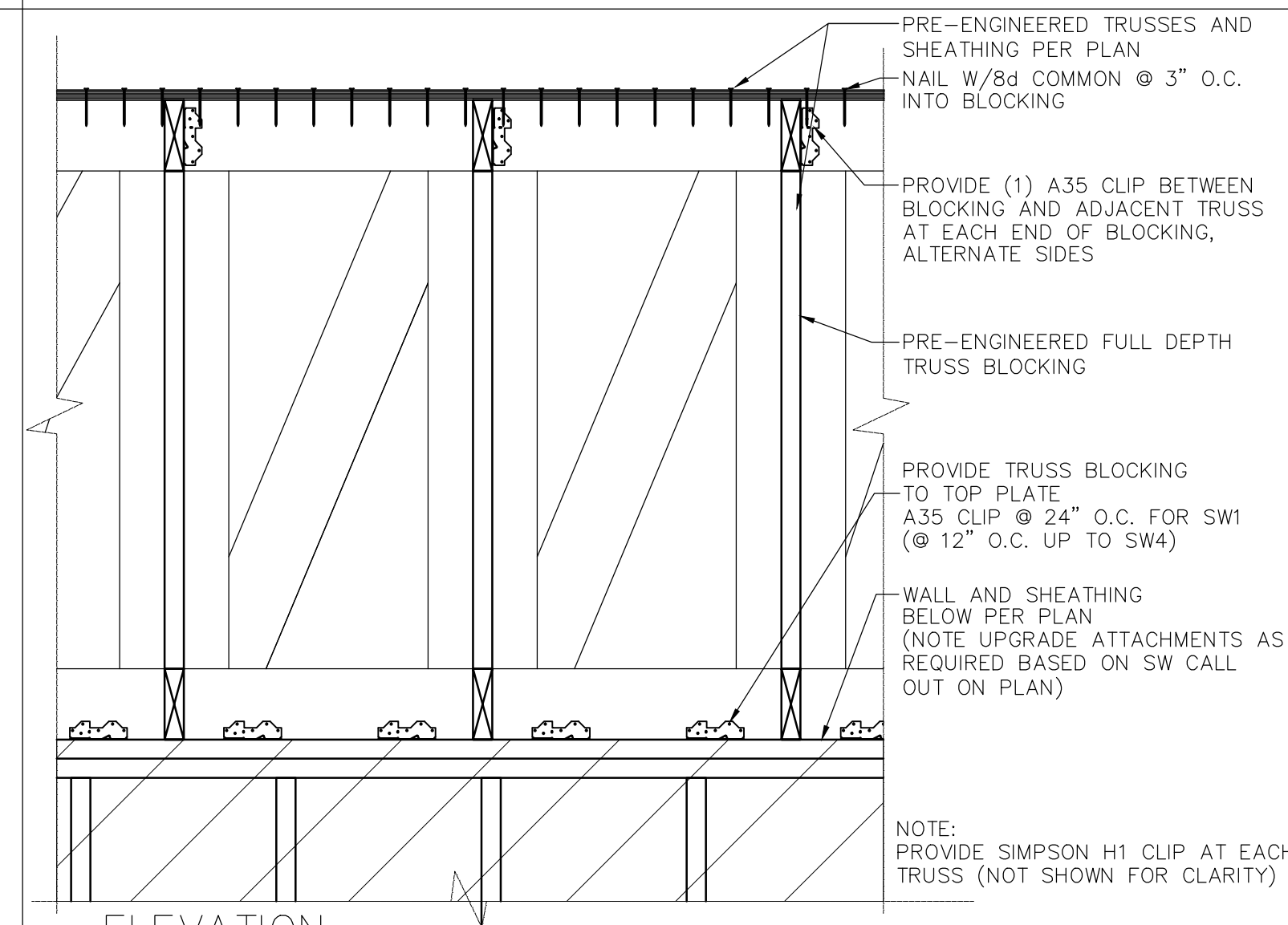
6 TYPICAL EAVES DTL

S301 SCALE: 1" = 1'-0"



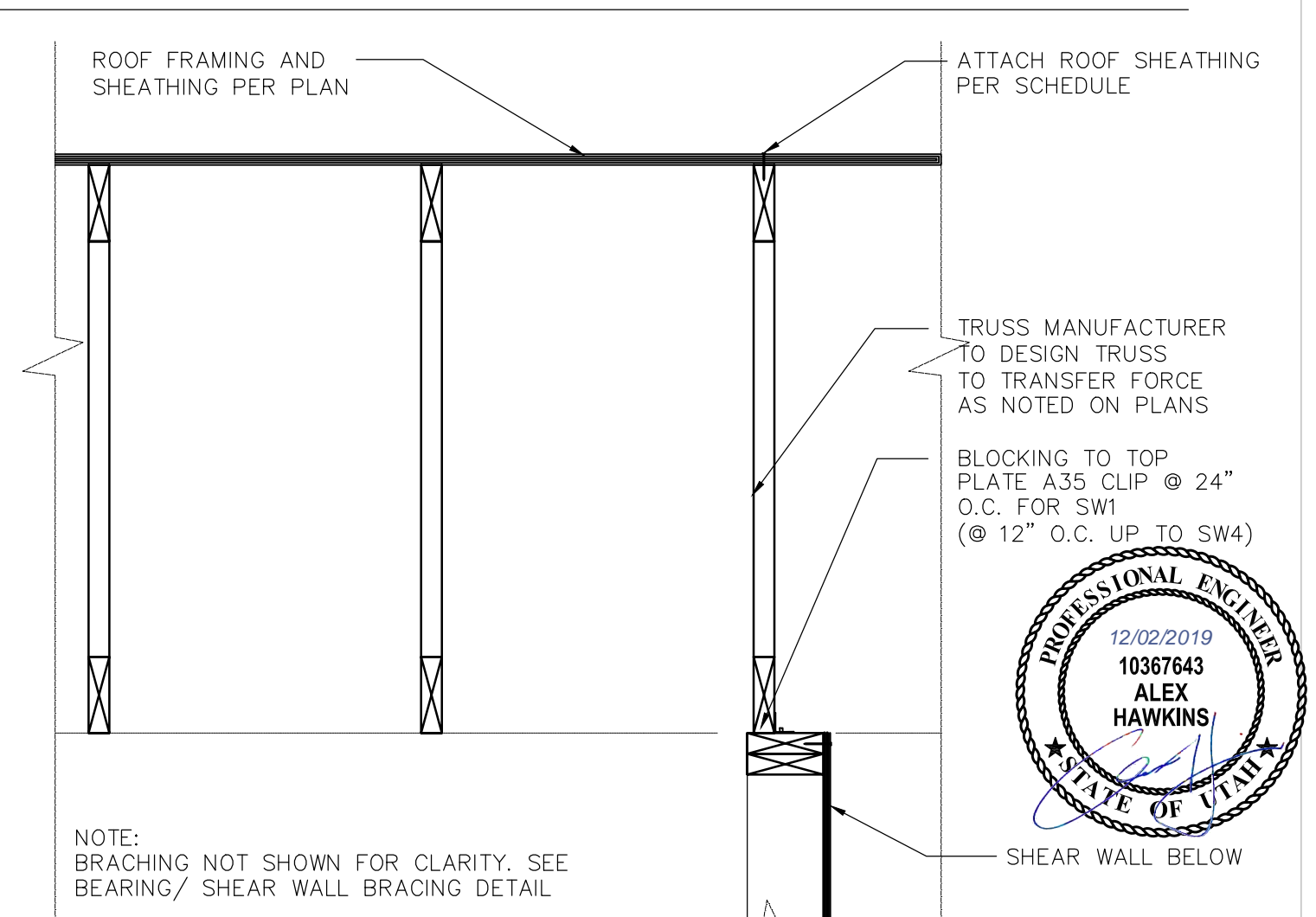
7 TYPICAL EAVES DTL

S301 SCALE: 1" = 1'-0"



8 FULL DEPTH TRUSS BLOCKING DETAIL

S301 SCALE: 1" = 1'-0"



9 TRUSS AT SHEAR WALL

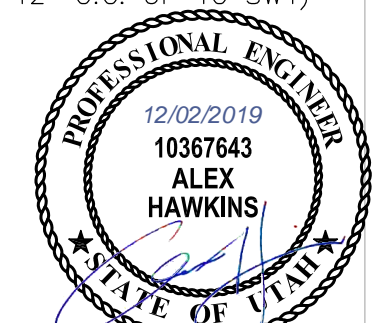
S301 SCALE: 1" = 1'-0"



ARCHITECTURAL OFFICE
 Company Name: Scandinavian LLC
 Address: 6410 N. Business Park Loop Rd. Unit E
 Phone: 435-513-0355
 Fax:
 Project No.:
 Cad File:
 Drawn:
 Checked:

A New Residence:
BLAKE KINGSBURY
 Summit Powder Mountain, Lot # 86R
 8549 E. Spring Park, Weber County, Utah

BUILDER
 Company Name:
 Address:
 Park City, Utah 84098
 Phone:
 Fax:

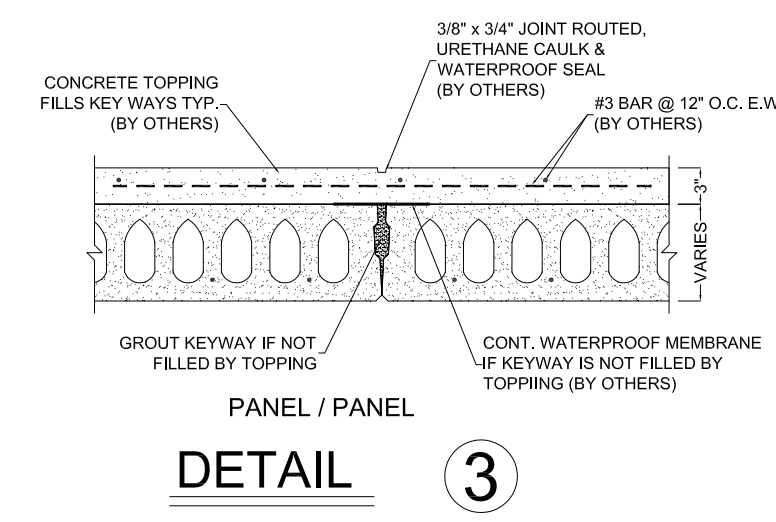
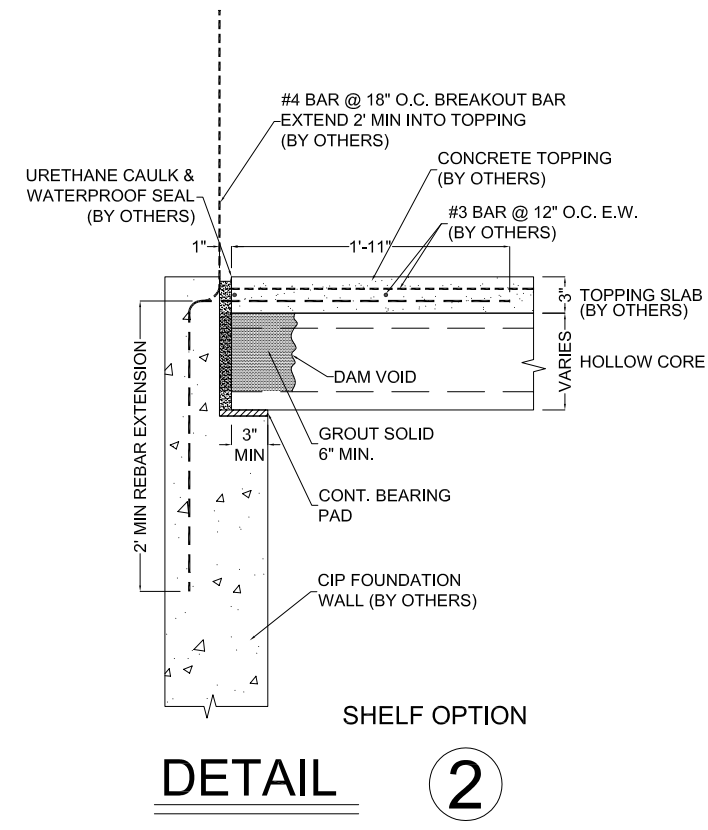
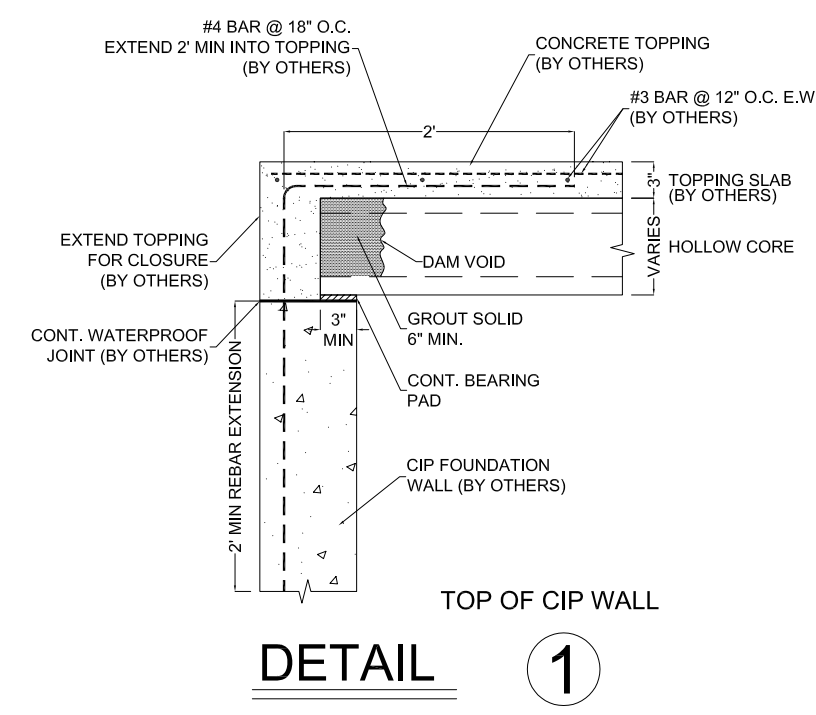


Drawing Date: 11-28-2019
 Scale: 1" = 1'-0"
 Title No.:

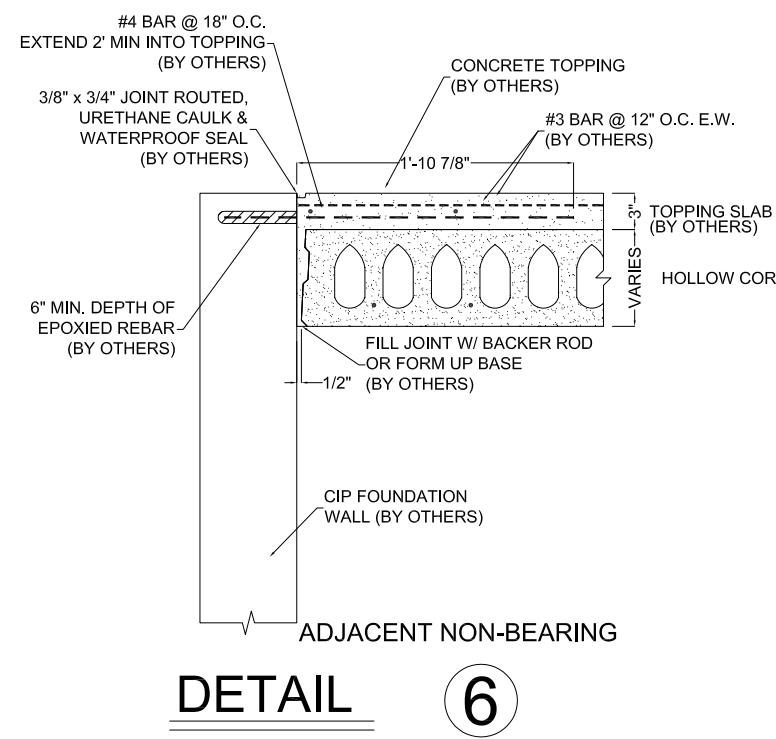
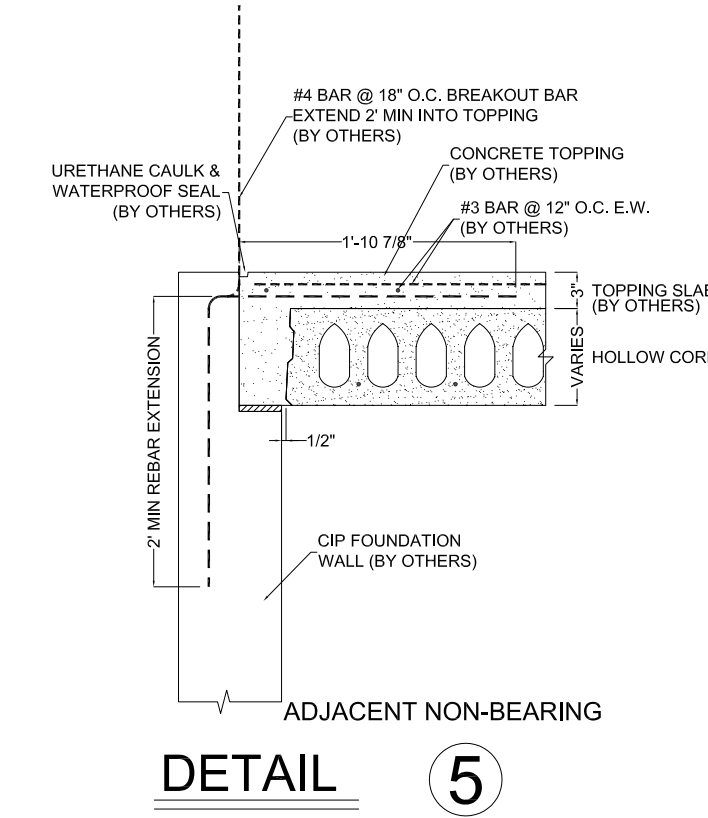
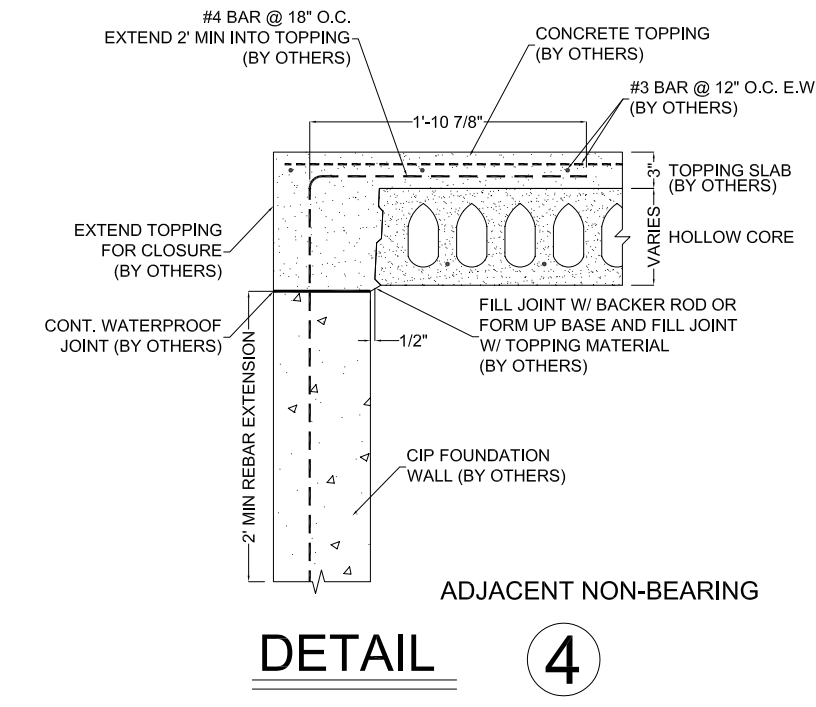
DETAILS
 BUILDER/DEALER'S APPROVAL:
 Signature and Date:

S301

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- NOTES:
1. THESE ARE SUGGESTED DIAPHRAGM DETAILS AND ARE IN COMPLIANCE WITH THE 2009 IBC AND ASCE 7-10. WE RECOMMEND THESE DETAILS WITH A CONCRETE STRENGTH OF 4,000 PSI, 6% AIR ENTRAINMENT, AND REINFORCEMENT STRENGTH OF 60,000 PSI.
 2. THE TOPPING DESIGN AND PLACEMENT ARE THE RESPONSIBILITY OF OTHERS (ENGINEER OF RECORD AND CONTRACTOR).
 3. SPAN-CRETE PLANKS AS INSPECTED IN A LICENSED PLANT. NO FURTHER SPECIAL INSPECTION IS REQUIRED. ANY REQUIRED SPECIAL INSPECTIONS FOR SITE CONSTRUCTION ITEMS ARE THE RESPONSIBILITY OF OTHERS.
 4. SHORING OF SPAN-CRETE PLANKS IS NOT REQUIRED FOR TOPPING PLACEMENT.
 5. HIGH STRENGTH GROUTING OF KEYWAY IS OPTIONAL AT THE REQUEST OF THE CONTRACTOR. IF NO HIGH STRENGTH GROUTING IS DESIRED, THE KEYWAY WILL BE FILLED WITH THE TOPPING CONCRETE. PLACING A WATERPROOF MEMBRANE OVER THE HIGH-STRENGTH GROUTED KEYWAY IS ALSO AN OPTION PER THE REQUEST OF THE CONTRACTOR.



ARCHITECTURAL OFFICE

Company Name
Scandinavian LLC
Address
6410 N. Business
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Phone 435-513-0355
Fax
Project No.
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A New Residence:
BLAKE KINGSBURY
Summit Powder Mountain, Lot # 86R,
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Drawing Date 11-28-2019
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DETAILS
BUILDER/ DEALER'S APPROVAL:

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