

08.29.2025

SEARHC WORKFORCE HOUSING
1064 ZIMOVIA HIGHWAY, WRANGELL, AK 99929
SINGLE FAMILY TWO STORY (SHED ROOF)

CONSTRUCTION DOCUMENTS

PROJECT ADDRESS
1064 Zimovia Hwy
Wrangell, AK 99929

VICINITY MAP: Locator



OWNER
SEARHC
3100 Channel Dr, Ste 300
Juneau, AK 99801
907.463.4000

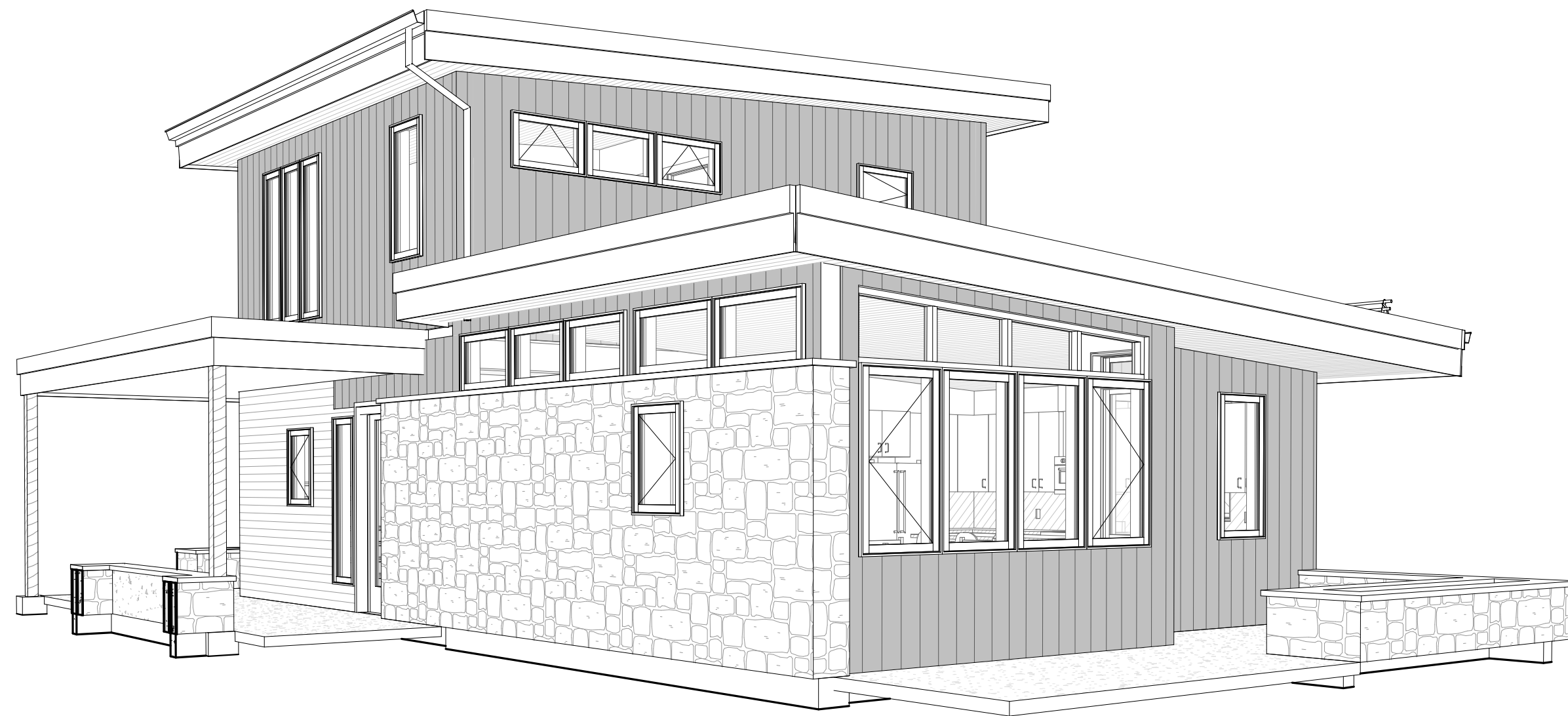
ARCHITECT
Cushing Terrell
800 W Main St, Ste 800
Boise, ID 83702
208.577.5696
Contact: Bradley Dunbar

STRUCTURAL
Cushing Terrell
1201 Western Ave, Ste 700
Seattle, WA 98101
406.500.3544
Contact: Asrade Mengstu

PLUMBING
Cushing Terrell
13 N 23rd St
Billings, MT 59101
406.896.6152
Contact: Shawn Murray

MECHANICAL
Cushing Terrell
219 2nd Ave S
Great Falls, MT 59405
406.403.7205
Contact: Cory Jassen

ELECTRICAL
Cushing Terrell
13 N 23rd St
Billings, MT 59101
406.896.6169
Contact: Jeff Haidle



FOR VISUALIZATION PURPOSES ONLY

SHEET INDEX

GENERAL
G001 COVER SHEET, GENERAL INFORMATION
G200 ASSEMBLIES

STRUCTURAL
S001 STRUCTURAL GENERAL NOTES
S002 STRUCTURAL GENERAL NOTES
S003 STRUCTURAL GENERAL NOTES
S004 STRUCTURAL SCHEDULES
S005 STRUCTURAL SCHEDULES
S101 FOUNDATION PLAN
S102 SECOND LEVEL AND LOW ROOF FRAMING PLAN
S103 UPPER ROOF FRAMING PLAN
S201 STRUCTURAL FOUNDATION DETAILS
S202 STRUCTURAL FOUNDATION DETAILS
S211 STRUCTURAL FRAMING DETAILS
S212 STRUCTURAL FRAMING DETAILS
SL101 MAIN LEVEL LATERAL PLAN
SL102 MAIN LEVEL LATERAL PLAN

ARCHITECTURAL
AS100 ARCHITECTURAL SITE PLAN & DETAILS
A101 FIRST FLOOR PLAN & PLAN DETAILS
A102 SECOND FLOOR PLAN & PLAN DETAILS
A110 ROOF PLANS
A201 EXTERIOR ELEVATIONS
A301 BUILDING SECTIONS
A302 DETAILS
A303 DETAILS
A501 FINISH PLANS, SCHEDULES & DETAILS
A601 DOOR AND WINDOW SCHEDULES AND DETAILS
A701 ENLARGED PLANS, INTERIOR ELEVATIONS, AND DETAILS
A901 REFLECTED CEILING PLANS & DETAILS

PLUMBING
P001 PLUMBING SCHEDULES AND LEGENDS
P100 UNDERSLAB PLUMBING DWV PLAN
P101 PLUMBING DWV PLANS
P200 UNDERSLAB DOMESTIC WATER PLAN
P201 DOMESTIC WATER PLANS
P301 PLUMBING ISOMETRICS
P500 PLUMBING DETAILS

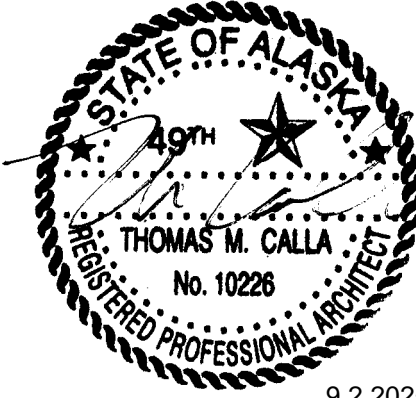
MECHANICAL
M001 MECHANICAL SCHEDULES & LEGENDS
M100 HVAC PLANS
M101 RADIANT HEAT PLANS

ELECTRICAL
E001 LEGENDS, SCHEDULES AND PANELS
E002 ELECTRICAL SITE PLAN
E100 LIGHTING, POWER AND SPECIAL SYSTEMS PLANS

**Cushing
Terrell.**

cushingterrell.com
800.757.9522

SEARHC WORKFORCE HOUSING
1064 ZIMOVIA HIGHWAY, WRANGELL, AK 99929
SINGLE FAMILY TWO STORY (SHED ROOF)



© 2025 | ALL RIGHTS RESERVED

CONSTRUCTION
DOCUMENTS

08.29.2025
PROJ# | SEARHC_WRNGLWFH
DRAWN BY | MARKUSON
REVIEWED BY | DUNBAR

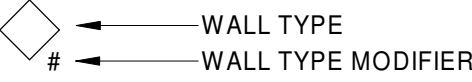
REVISIONS

COVER SHEET,
GENERAL
INFORMATION

G001

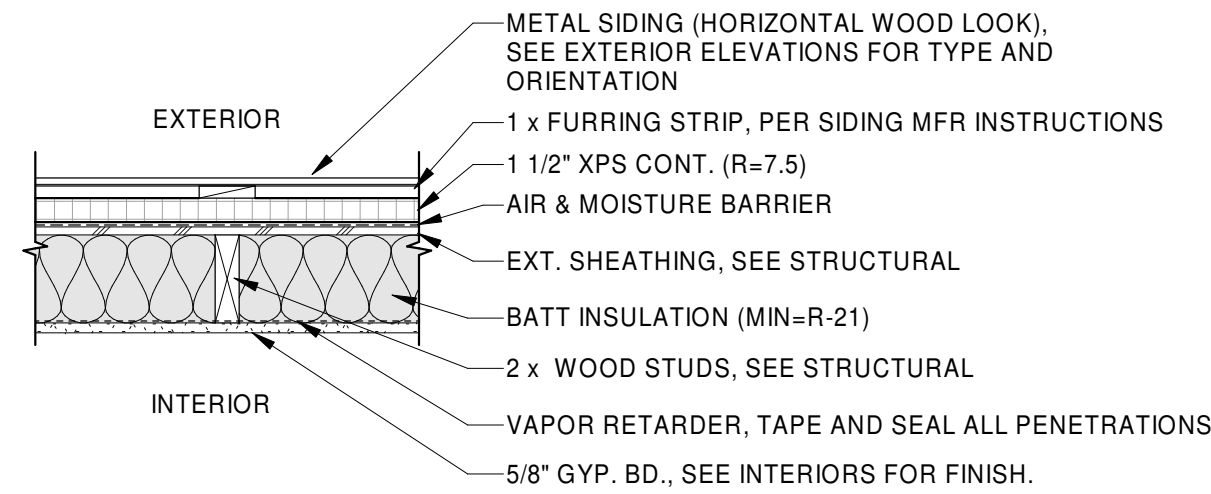
WALL ASSEMBLIES LEGEND

SCALE: 1" = 1'-0"

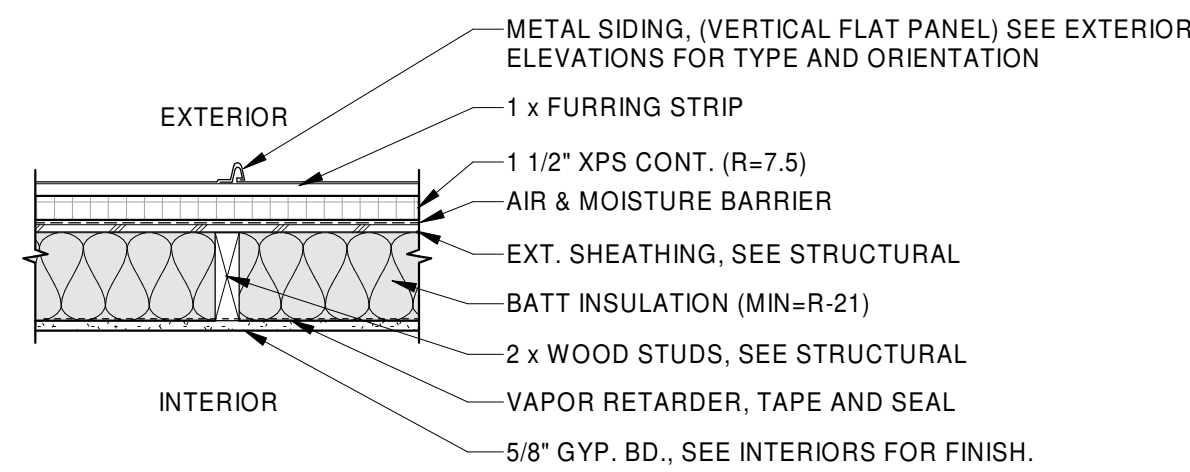


- GENERAL WALL ASSEMBLY NOTES:**
- A. SEE INTERIOR ELEVATIONS AND INTERIOR FINISH PLANS FOR WALL FINISHES.
 - B. PROVIDE BLOCKING AS REQUIRED TO SECURE WALL HUNG COMPONENTS.
 - C. EXTEND ALL COMPONENTS TO UNDERSIDE OF DECK, UNLESS NOTED OTHERWISE
 - D. SEE EXT. FINISH SCHEDULE FOR EXTERIOR FINISH SPECIFICATIONS.
 - E. SET EXT. WALL FRAMING ON SILL PLATE GASKET - WOOD FRAMED.
 - F. PROVIDE CEMENTITIOUS TILE BACK BOARD IN LIEU OF GYP. BD. @ TILE LOCATIONS. SEE INTERIORS FOR TILE LOCATIONS.
 - G. PROVIDE MOISTURE RESISTANT GYP. BD. @ WET OR DAMP LOCATIONS.
 - H. SEE EXTERIOR ELEVATIONS FOR MATERIAL TRANSITIONS
 - I. OMIT GYP. BD. @ INTERIOR OF CONCEALED WALL SPACE. UNLESS NOTED OTHERWISE
 - J. PROVIDE TYPE "X" GYP. BD. IN LIEU OF REGULAR GYP. BD. AT SEPARATION WALL.

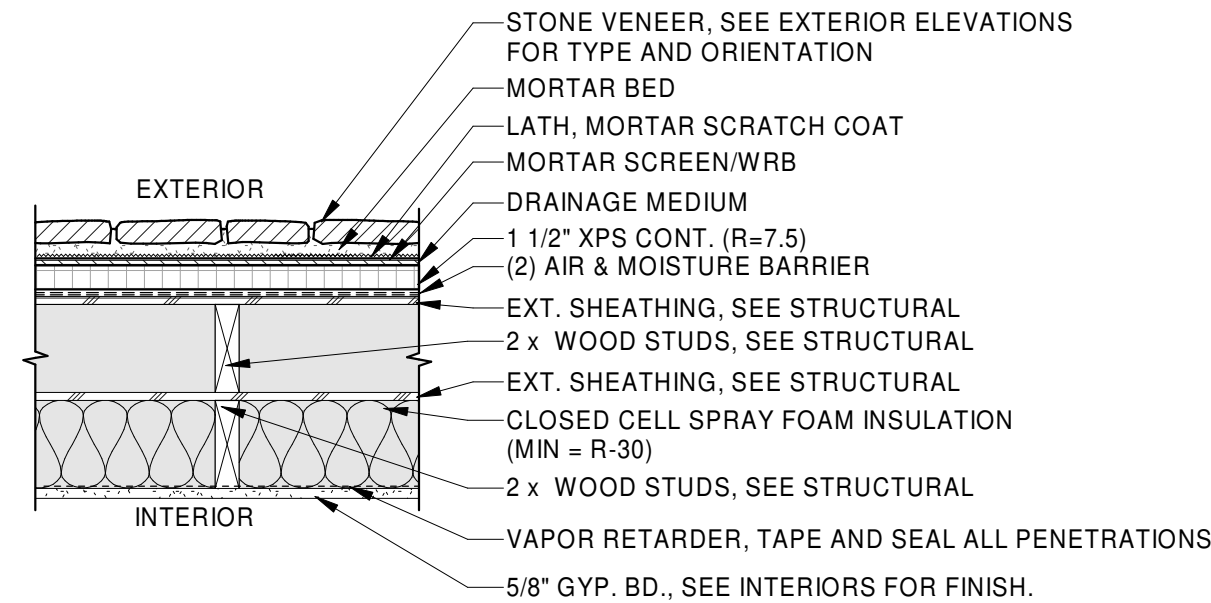
- WALL ASSEMBLY MODIFIERS:**
- 1 HR RATED WALL



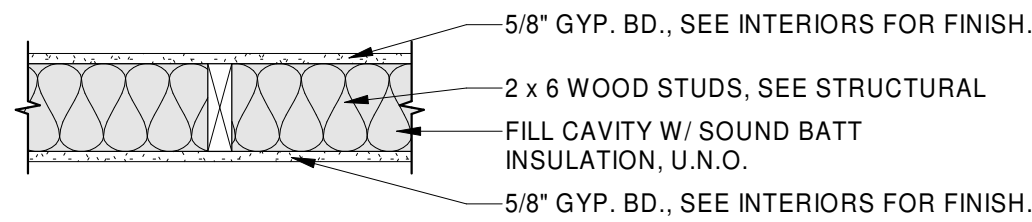
W1 EXTERIOR WALL - METAL SIDING (HORIZ) (SEE ELEVATIONS FOR ORIENTATION)



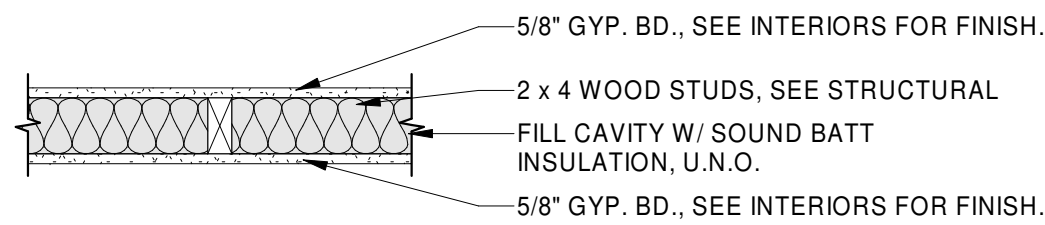
W2 EXTERIOR WALL - METAL SIDING (VERT) (SEE ELEVATIONS FOR ORIENTATION)



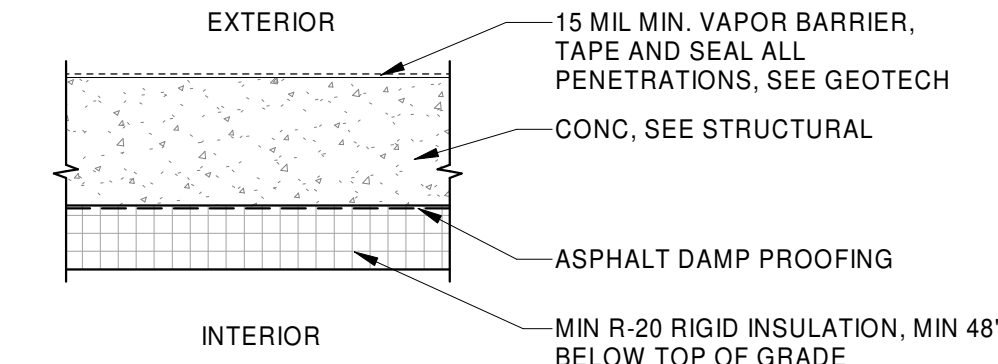
W3 EXTERIOR WALL - DOUBLE WALL AT STONE VENEER (SEE ELEVATIONS FOR ORIENTATION)



W4 INTERIOR WALL - 2 x 6 WOOD STUD WALL



W5 INTERIOR WALL - 2 x 4 WOOD STUD WALL



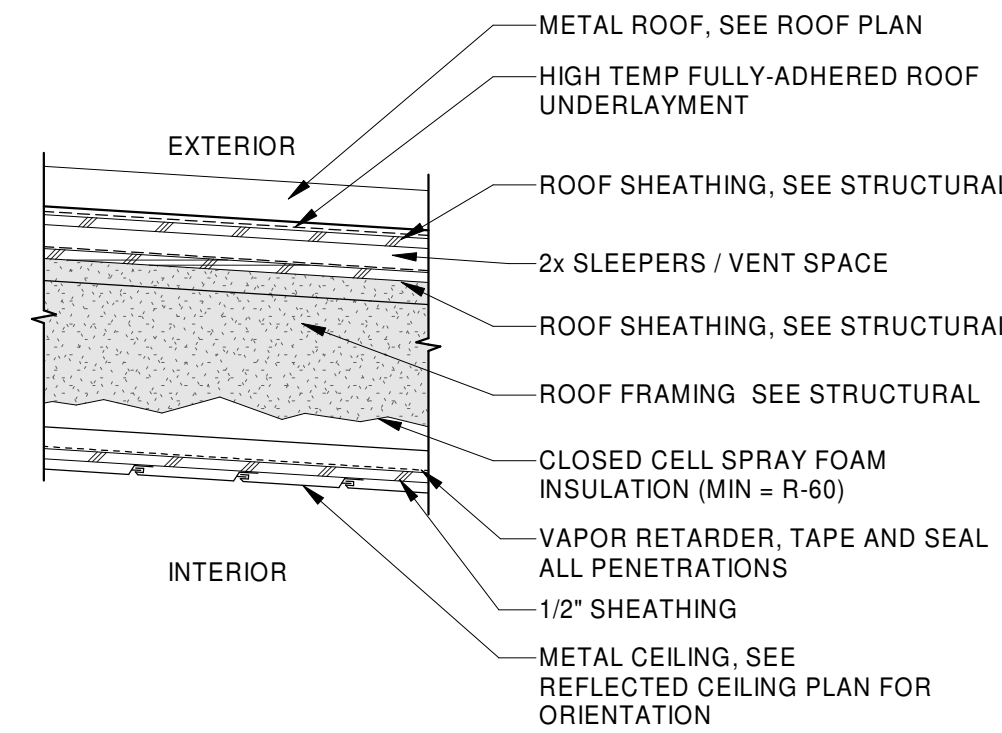
W6 EXTERIOR FOUNDATION WALL - BELOW GRADE

ROOF ASSEMBLIES LEGEND

SCALE: 1" = 1'-0"



- GENERAL ROOF ASSEMBLY NOTES:**
- A. INSTALL SELF-ADHERED GRACE ICE AND WATER SHIELD OR SIMILAR BELOW 2 LAYERS OF ASPHALT FELT (15 LB. MIN.) AT EAVES, UP ROOF 3'-0" MIN. FROM FACE OF EXTERIOR WALL, RAKES, VALLEYS AND RIDGES.
 - B. PROVIDE STEP FLASHING, BASE FLASHING AND COUNTER-FLASHING AT ROOF-TO-WALL CONDITIONS.
 - C. SEAL CAP AND PIPE FLASHING W/ FULL BED OF ROOF SEALANT.
 - D. PROVIDE HIGH-TEMP FULLY ADHERED UNDERLAYMENT (GRACE ULTRA OR SIMILAR) AT METAL ROOF.
 - E. CONTRACTOR TO ENSURE ROOF INSULATION IS MAINTAINED AS SHOWN IN ROOF ASSEMBLIES.
 - F. CONTRACTOR TO ENSURE ROOF VENTILATION MEETS REQUIREMENTS PER IRC IN CONCEALED SPACES. SEE ROOFING DETAILS.
 - G. THE FOLLOWING REFERENCES HAVE BEEN USED AS A BASIS FOR ROOF DESIGN & SHALL BE USED BY THE CONTRACTOR WHERE INSTALLATION DETAILS & SPECIFICATIONS ARE NOT INCLUDED IN THE CONSTRUCTION DOCUMENTS:
 - a. NATIONAL ROOFING CONTRACTORS ASSOCIATION "ROOFING AND WATERPROOFING MANUAL"
 - b. SHEET METAL AND AIR CONDITIONING NATIONAL CONTRACTORS ASSOCIATION "ARCHITECTURAL SHEET METAL MANUAL"
 - c. 2021 INTERNATIONAL RESIDENTIAL CODE
 - d. MANUF. GUIDELINES



R1 METAL ROOFING OVER WOOD FRAME SHED ROOF

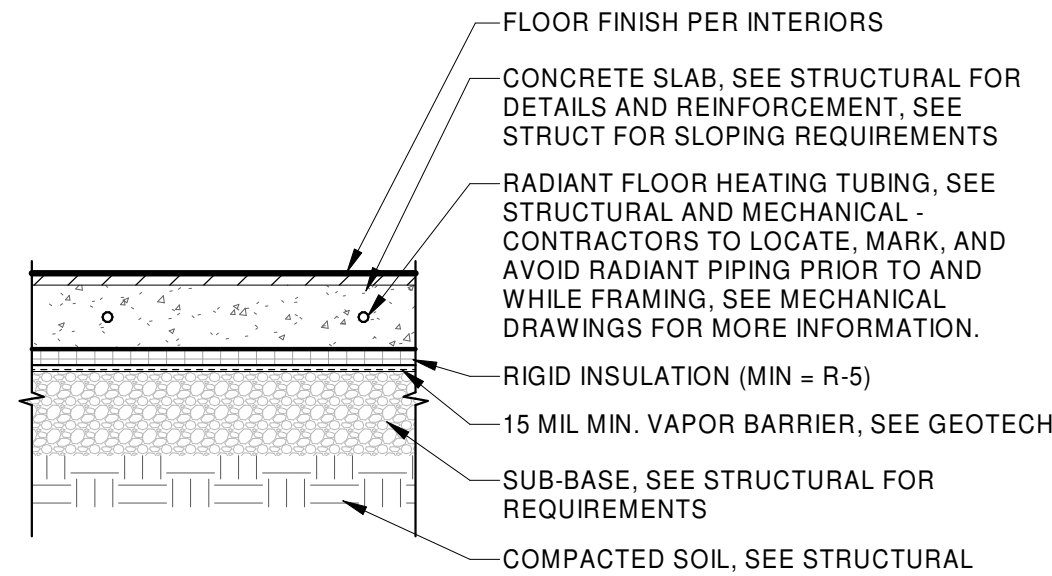
FLOOR ASSEMBLIES LEGEND

SCALE: 1" = 1'-0"

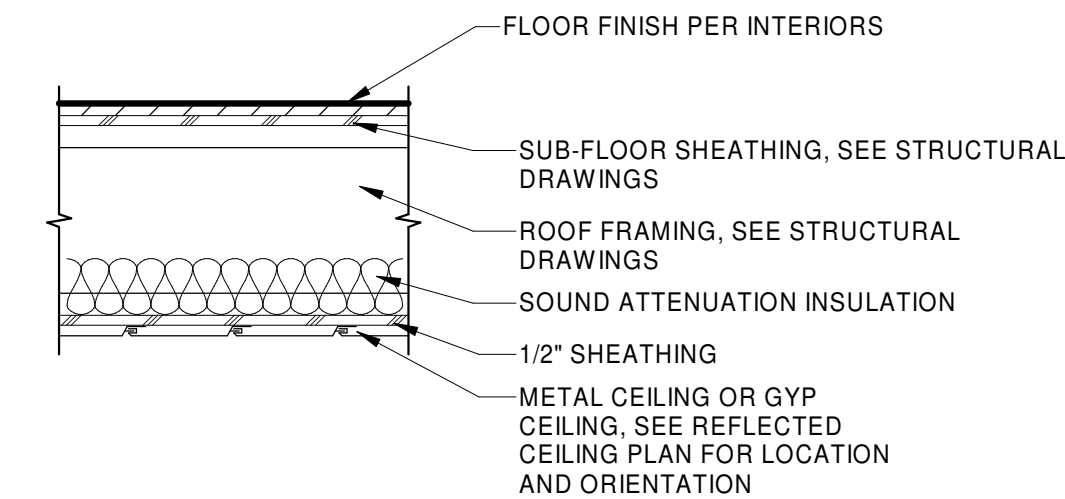


- GENERAL FLOOR ASSEMBLY NOTES:**
- A. SEE INTERIOR FINISH PLANS AND REFLECTED CEILING PLANS FOR FINISH SPECIFICATIONS.
 - B. PROVIDE BLOCKING AS REQUIRED TO SECURE CEILING HUNG COMPONENTS.

- FLOOR ASSEMBLY MODIFIERS:**
1. NA



F1 SLAB-ON-GRADE (IN FLOOR RADIANT FLOOR HEATING)

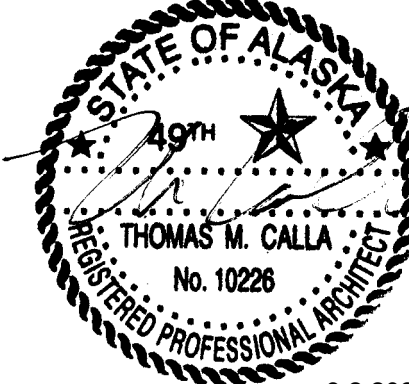


F2 FLOOR ASSEMBLY

Cushing
Terrell

cushingterrell.com
800.757.9522

SEARHC WORKFORCE HOUSING
1064 ZIMOVIA HIGHWAY, WRANGELL, AK 99929
SINGLE FAMILY TWO STORY (SHED ROOF)



9.2.2025
© 2025 | ALL RIGHTS RESERVED

CONSTRUCTION
DOCUMENTS

08.29.2025
PROJ# | SEARHC_WRNGLWFH
DESIGNED BY | KOEL
DRAWN BY | MARKUSON
REVIEWED BY | DUNBAR
REVISIONS

ASSEMBLIES

G200

STRUCTURAL GENERAL NOTES

STRUCTURAL GENERAL NOTES ARE INTENDED TO HIGHLIGHT OR IN SOME CASES SUPPLEMENT PROJECT SPECIFICATIONS. REFER TO THE PROJECT SPECIFICATIONS FOR COMPLETE WORK COVERAGE.

A. GOVERNING CODES

- INTERNATIONAL BUILDING CODE (IBC), 2021 EDITION.
- MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDINGS AND OTHER STRUCTURES, ASCE/SEI 7-16.
- BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI 318-19.
- NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, ANSI/AWC NDS-2018.
- TIMBER CONSTRUCTION MANUAL, AITC 6TH EDITION.

B. DESIGN LOADS AND CRITERIA

- GRAVITY LOADS:
 - ROOF LOADS:
 - ROOF DEAD LOAD: 18 psf
 - ROOF LIVE LOAD: 20 psf
 - FLOOR LOADS:
 - FLOOR DEAD LOAD: 15 psf
 - FLOOR LIVE LOAD: 40 psf (RESIDENTIAL — ONE- AND TWO- FAMILY DWELLINGS — ALL OTHER AREAS EXCEPT STAIRS)
 - FLOOR LIVE LOAD: 60 psf (BALCONIES AND DECKS)
 - SLABS ON GRADE:
 - SLABS ON GRADE LIVE LOAD: 40 psf
- HANDRAIL AND GUARDRAIL SYSTEM LOADS:
 - CONCENTRATED LOAD: 200 lb (HANDRAIL OR TOP RAIL)
 - CONCENTRATED LOAD: 50 lb (INTERMEDIATE RAIL)
 - LINEAR LOAD: 50 lb/ft (HANDRAIL OR TOP RAIL)
- SNOW LOADS:
 - GROUND SNOW LOAD: Pg = 60 psf, Is = 1.00, Ce = 1.0, Ct = 1.0, Cs = 1.0
 - FLAT ROOF SNOW LOAD: Pf = 42 psf UNIFORM + DRIFT
- WIND CRITERIA:
 - 3-SEC PEAK GUST WIND SPEED = 139 mph
 - RISK CATEGORY = II
 - Iw = 1.00
 - EXPOSURE = D
 - INTERNAL PRESSURE COEFFICIENT (GCpi): ±0.18
 - EXTERNAL ROOF COMPONENTS & CLADDING: 75 psf MINIMUM (ULTIMATE)
 - EXTERNAL WALL COMPONENTS & CLADDING: 80 psf MINIMUM (ULTIMATE)
 - STEEL ROOF JOIST NET UPLIFT - PERIMETER 20 FT: 50 psf MINIMUM (ULTIMATE)
 - INTERSTORY DRIFT LIMIT = 1/400
- SEISMIC CRITERIA:
 - SS = 0.249 g / S1 = 0.254 g MAPPED MCER VALUES
 - RISK CATEGORY = II
 - PROJECT SITE CLASS = B
 - Ie = 1.00
 - SDS = 0.149 g / SD1 = 0.136 g DESIGN RESPONSE COEFFICIENT
 - SEISMIC DESIGN CATEGORY = C
 - ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE
 - SEISMIC FORCE-RESISTING SYSTEM: BEARING WALL SYSTEMS: LIGHT-FRAME (WOOD) WALLS SHEATHED WITH WOOD STRUCTURAL PANELS RATED FOR SHEAR RESISTANCE, R = 6.5
 - REDUNDANCY FACTOR: PLAN N-S RHO = 1.3 / PLAN E-W RHO = 1.3
 - SEISMIC RESPONSE COEFFICIENT Cs = 0.03
 - SEISMIC BASE SHEAR V = 1.9 kips (ULTIMATE)
 - ALLOWABLE STORY DRIFT ▲ = 0.020hsx
- FOOTING BEARING PRESSURE: 3000 psf ON APPROVED SUBGRADE, SEE SECTION FOUNDATIONS
- SOIL FRICTION COEFFICIENT: 0.4
- LATERAL SOIL PRESSURE:
 - ACTIVE EQUIVALENT FLUID PRESSURE: 35 pcF
 - AT-REST EQUIVALENT FLUID PRESSURE: 55 pcF
 - PASSIVE EQUIVALENT FLUID PRESSURE: 400 pcF
- FROST DEPTH: 32 INCHES TOP OF FOOTING

C. MATERIALS SECTION

- CONCRETE MIXTURE: ALL STRUCTURAL ELEMENTS, UNLESS NOTED OTHERWISE
PORTLAND-LIMESTONE CEMENT ASTM C595 TYPE II
FLY ASH ASTM C618, CLASS F, 10% - 25% BY WEIGHT
WATER / CEMENT + FLY ASH = 0.45 MAXIMUM
Fc = 4500 psi BASED ON 28-DAY TEST
EXPOSURE CATEGORY F, EXPOSURE CLASS F2
TOTAL AIR CONTENT = 6% +/- 1.5%
3/4" NORMAL WEIGHT AGGREGATE ASTM C33
- CONCRETE MIXTURE: FOOTINGS
PORTLAND-LIMESTONE CEMENT ASTM C595 TYPE II
FLY ASH ASTM C618, CLASS F, 10% - 25% BY WEIGHT
WATER / CEMENT + FLY ASH = 0.45 MAXIMUM
Fc = 4500 psi BASED ON 28-DAY TEST
EXPOSURE CATEGORY F, EXPOSURE CLASS F2
TOTAL AIR CONTENT = 6% +/- 1.5%
3/4" OR 1" NORMAL WEIGHT AGGREGATE ASTM C33
- CONCRETE MIXTURE: INTERIOR SLABS ON GRADE
PORTLAND-LIMESTONE CEMENT ASTM C595 TYPE II
WATER / CEMENT= 0.45 MAXIMUM
Fc = 3000 psi BASED ON 28-DAY TEST
EXPOSURE CATEGORY F, EXPOSURE CLASS F0
3/4" OR 1" NORMAL WEIGHT AGGREGATE ASTM C33
BALANCE CEMENTITIOUS RATIOS TO ACHIEVE FLOORING FINISH SCHEDULES AND CONCRETE WORKABILITY WITHOUT ADVERSELY AFFECTING CONCRETE SHRINKAGE
- FLOWABLE FILL: PORTLAND-LIMESTONE CEMENT ASTM C595 TYPE II
CEMENTITIOUS MATERIALS CONTENT OF 75 POUNDS PER CUBIC YARD, MINIMUM.
SELECT WATER CONTENT AS NECESSARY TO PRODUCE A CONSISTENCY THAT WILL RESULT IN A FLOWABLE, SELF-LEVELING PRODUCT AT THE TIME OF PLACEMENT.
Fc = 300 psi AT 28 DAYS
TOTAL AIR CONTENT 5.0% - 12.0%
NORMAL WEIGHT FINE AGGREGATE CONFORMING TO ASTM C33 WITH 100% PASSING A 3/8 SIEVE AND NO MORE THAN 15% PASSING A NO. 200 SIEVE MAY BE USED.
MAXIMUM SLUMP PER ACI 229 SECTION 4.2.1 = 7" +/- 1"
- REINFORCING BARS: ASTM A615, GRADE 60
ASTM A706, GRADE 60 WHERE INDICATED TO BE WELDED
- EPOXY-COATED STEEL REINFORCING BARS: ASTM A775
- MECHANICAL REBAR SPLICES: LENTON TAPER THREADED SPLICES AS MFD BY NVENT OR APPROVED EQUAL
- WELDED WIRE FABRIC (WWF): ASTM A1064, PLAIN WIRE REINFORCEMENT, Fy = 65 ksi
- ANCHOR RODS: ASTM F1554 GRADE 36 W/ ASTM A563 GRADE A PLAIN HEAVY HEX NUTS
- HIGH-STRENGTH BOLTS: ASTM F3125 GRADE A325 TYPE 1 THREAD CONDITION N; STEEL TO STEEL CONNECTIONS
- NUTS: ASTM A563 GRADE DH PLAIN; STEEL TO STEEL CONNECTIONS
- COUPLER NUTS: ASTM A563 GRADE DH PLAIN; STEEL TO STEEL CONNECTIONS
- WASHERS: ASTM F436 TYPE 1 PLAIN; STEEL TO STEEL CONNECTIONS
- BOLTS: ASTM A307 GRADE A; WOOD OR WOOD TO STEEL CONNECTIONS OR ERECTION ONLY
- EXPANSION ANCHORS: CARBON STEEL STUD, MIN Fy = 84 ksi W/ EXPANSION ELEMENTS (WEDGES) SUCH AS (HILTI KWIK BOLT TZ2) ICC-ES REPORT ESR-4266 OR APPROVED EQUAL
- ADHESIVE ANCHORS:
 - CONCRETE: ASTM F1554 GRADE 36 THREADED ROD W/ CHISEL POINT & INJECTABLE ADHESIVE SUCH AS (HILTI HIT-RE 500 V3) ICC-ES REPORT ESR-3814 OR APPROVED EQUAL
 - ADHESIVE ANCHORS SHALL BE INSTALLED IN CONCRETE HAVING A MINIMUM AGE OF 21 DAYS AT TIME OF ANCHOR INSTALLATION. FOR INSTALLATIONS SOONER THAN 21 DAYS, CONSULT ADHESIVE MANUFACTURER FOR REQUIREMENTS.
 - IF TEMPERATURE OF BASE MATERIAL AT TIME OF ADHESIVE INSTALLATION IS 45 F OR LESS AN ACRYLIC ADHESIVE IS REQUIRED.
- SCREW ANCHORS:
 - CONCRETE: ASTM B633, CLASS SC1, TYPE III SUCH AS (SIMPSON STRONG-TIE TITEN HD) ICC-ES REPORT ESR-2713 OR APPROVED EQUAL
- POWDER DRIVEN FASTENERS: (HILTI X-U FASTENER) ICC-ES REPORT ESR-2269 OR APPROVED EQUAL
- VAPOR BARRIER: ASTM E1745, CLASS A, 0.01 PERMS
- GLUED LAMINATED TIMBER: ANSI A190.1
 - CONTINUOUS OR CANTILEVER MEMBERS: COMBINATION SYMBOL 24F-V8-DF/DF
 - SIMPLE SPAN MEMBERS: COMBINATION SYMBOL 24F-V4-DF/DF
 - COLUMNS MEMBERS: COMBINATION SYMBOL 5-DF-L1
- TIMBERSTRAND LSL BEAM / COLUMN / STUD: ICC-ES REPORT ESR-1387 (1-3/4" & 3-1/2" THICK)
Fb = 2325 psi, Fv = 310 psi
Fc = 2170 psi, E = 1.55E6 psi
- TIMBERSTRAND LSL RIM BOARD: ICC-ES REPORT ESR-1387
Fb = 1700 psi, Fv = 425 psi
Fc = 1835 psi, E = 1.3E6 psi
- PARALLAM PSL: ICC-ES REPORT ESR-1387
Fb = 2900 psi, Fv = 290 psi
Fc = 2900 psi, E = 2.0E6 psi
- MICROLLAM LVL: ICC-ES REPORT ESR-1387
Fb = 2600 psi, Fv = 285 psi

Fc = 2510 psi, E = 2.0E6 psi

- PREFABRICATED WOOD JOISTS: (TJI) ICC-ES REPORT ESR-1153 (REDBUILT) ICC-ES REPORT ESR-2994 (BOISE CASCADE) ICC-ES REPORT ESR-1336
- DIMENSION LUMBER: GRADED BY WESTERN WOOD PRODUCTS ASSOCIATION (WWPA) OR WEST COAST LUMBER INSPECTION BUREAU (WCLIB)
<=4X NOMINAL: DOUGLAS FIR-LARCH #2, UNO
<=4X NOMINAL: DOUGLAS FIR-LARCH #2 PLATES AND BLOCKING
>4X NOMINAL: DOUGLAS FIR-LARCH #1, UNO
- WOOD SHEATHING / PANELS: APA — THE ENGINEERED WOOD ASSOCIATION (APA) RATED "STRUCTURAL I" AS DESIGNATED BELOW SUITED FOR SPAN & USE
WALL SHEATHING:
 - PLYWOOD 15/32" NOMINAL PANEL THICKNESS - 32/16 SHEATHING EXPOSURE 1, STRUCTURAL IROOF SHEATHING:
 - PLYWOOD 19/32" NOMINAL PANEL THICKNESS - 40/20 SHEATHING EXPOSURE 1, STRUCTURAL IFLOOR SHEATHING:
 - PLYWOOD 23/32" NOMINAL PANEL THICKNESS - 24 OC STURD I-FLOOR T&G OR 48/24 T&G SHEATHING (GLUE & NAIL) EXPOSURE 1, STRUCTURAL I
- TIMBERS: GRADED BY NORTHEASTERN LUMBER MANUFACTURERS ASSOCIATION (NELMA) AS THEY PERTAIN TO STRUCTURAL TIMBER DOUGLAS FIR-LARCH #1
- WOOD PANEL DIAPHRAGM SCREWS: (SIMPSON STRONG-TIE WSNTL) ICC-ES REPORT ESR-1472

D. FOUNDATIONS

- FOUNDATIONS HAVE BEEN DESIGNED BASED ON INFORMATION PROVIDED IN THE GEOTECHNICAL REPORT ENTITLED "GEOTECHNICAL REPORT — SEARHC WRANGELL EMPLOYEE HOUSING" BY RESPEC OF ANCHORAGE, ALASKA, PROJECT NUMBER 11300.25003, DATED APRIL, 2025. THE GEOTECHNICAL REPORT SHALL BE CONSIDERED A SUPPLEMENTAL REFERENCE DOCUMENT TO THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL REVIEW AND FOLLOW ALL RECOMMENDATIONS PROVIDED THEREIN INCLUDING, BUT NOT LIMITED TO, SUBGRADE PREPARATION, GROUNDWATER MITIGATION AND SLOPE STABILITY. IN THE CASE OF DISCREPANCIES BETWEEN THE GEOTECHNICAL REPORT AND THE CONTRACT DOCUMENTS, THE ENGINEER SHALL BE NOTIFIED AND THE MOST STRINGENT CRITERIA SHALL BE APPLIED. REFER TO THE GEOTECHNICAL INVESTIGATION REPORT FOR BORING LOGS AND LABORATORY TEST RESULTS.
- PLACE FOOTINGS ON UNDISTURBED NATIVE SOILS OR ENGINEERED FILL PLACED OVER UNDISTURBED NATIVE SOILS. ENGINEERED FILL MATERIAL SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT. PLACE ENGINEERED FILL IN UNIFORM LIFTS AND COMPACT TO MAXIMUM DRY UNIT WEIGHT OF 95% STANDARD PROCTOR IN ACCORDANCE WITH ASTM D698. PLAN LIMITS OF ENGINEERED FILL MUST EXTEND AT LEAST 2'-0" BEYOND ALL FOOTING EDGES, UNLESS NOTED OTHERWISE IN THE GEOTECHNICAL REPORT. IF ENCOUNTERED, EXISTING FILL SHALL BE REMOVED TO AN APPROVED DEPTH AND REPLACED WITH ENGINEERED FILL AS DESCRIBED IN THE GEOTECHNICAL REPORT.
- DO NOT BACKFILL WALLS WITH UNBALANCED SOIL LEVELS UNLESS ADEQUATELY SHORED OR HAVING PERMANENT FLOOR DIAPHRAGMS INSTALLED WITH CONNECTIONS COMPLETE. WALLS SPECIFICALLY DETAILED AS RETAINING WALLS SHALL HAVE FOOTING TOE SOIL COVERAGE AS DETAILED PRIOR TO BACKFILL. THE CONTRACTOR IS RESPONSIBLE FOR TEMPORARY SHORING DESIGN AND INSTALLATION, WHICH SHALL BE PERFORMED BY A REGISTERED PROFESSIONAL.
- BACKFILL AND COMPACT BURIED WALLS OR GRADE BEAMS EVENLY ON EACH SIDE TO AVOID UNBALANCED LOADS.
- BACKFILL SHALL NOT BE PLACED PRIOR TO CONCRETE ELEMENTS REACHING A TESTED COMPRESSIVE DESIGN STRENGTH OF 4500 psi. CONTACT ENGINEER AND COORDINATE REVIEW OF COMPRESSIVE STRENGTH TEST RESULTS TO CONFIRM BACKFILL WORK MAY PROCEED.
- ALWAYS PROVIDE POSITIVE SURFACE WATER DRAINAGE AWAY FROM THE STRUCTURE.
- FOUNDATIONS SHALL BE CENTERED UNDER SUPPORTED WALLS AND COLUMNS, UNLESS NOTED OTHERWISE.
- CONCRETE SHALL NOT BE PLACED IN EXCAVATIONS CONTAINING FROZEN SOIL OR WATER.
- SHOULD SITE CONDITIONS ENCOUNTERED VARY FROM THOSE INDICATED IN THE CONSTRUCTION DOCUMENTS, CONTACT THE ENGINEER FOR FURTHER GUIDANCE.

E. SLABS ON GRADE

- PLACE INTERIOR SLABS ON GRADE DIRECTLY ON AN APPROVED VAPOR BARRIER OVER A 6" BASE OF CRUSHED, 3/4" MINUS DRAINAGE COURSE, GRADED FOR COMPACTION WITH LESS THAN 5% PASSING THE NO. 200 SIEVE. PLACE DRAINAGE COURSE ON NATIVE SOILS OR ENGINEERED FILL PLACED OVER UNDISTURBED NATIVE SOILS. WHERE REQUIRED, PLACE ENGINEERED FILL IN UNIFORM LIFTS UNDER SLABS (ABOVE FOOTINGS) AND COMPACT TO MAXIMUM DRY UNIT WEIGHT OF 95% STANDARD PROCTOR IN ACCORDANCE WITH ASTM D698.
- VAPOR BARRIER SYSTEM SHALL BE POLYOLEFIN SHEET AND SHALL INCLUDE MANUFACTURER'S ADHESIVE SEAM TAPE AND PENETRATION SLEEVES. INSTALL AND SEAL VAPOR BARRIER ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

- VAPOR BARRIER INSTALLATION SHALL UTILIZE MATERIALS LISTED WHERE REQUIRED OR SUBMIT EQUIVALENT MATERIALS FOR ENGINEER APPROVAL:
 - VAPOR BARRIER: STEGO INDUSTRIES, LLC "STEGO WRAP" 15-MILS.
 - VAPOR BARRIER SEAM TAPE: STEGO INDUSTRIES, LLC "STEGO TAPE".
 - CHANNEL BAR (TERMINATION BAR): OMG ROOFING PRODUCTS "CHANNEL BAR" PRE PUNCHED AT 12-IN. ON CENTER.
 - CHANNEL BAR ANCHORS: OMG ROOFING PRODUCTS "MASONRY ANCHOR" 1/4" PIN DIAMETER, 1-1/4" PIN LENGTH.
 - VAPOR RETARDANT MEMBRANE: STEGO INDUSTRIES, LLC "STEGO MASTIC".
- ENGINEER OF RECORD SHALL BE NOTIFIED 48 HOURS IN ADVANCE BY THE CONTRACTOR TO ALLOW FOR INSPECTION OF VAPOR BARRIER PRIOR TO PLACEMENT OF CONCRETE.
- SLAB ON GRADE CONSTRUCTION JOINT AND CONTRACTION JOINT PLACEMENT SHALL BE APPROVED BY THE ENGINEER IF DIFFERENT THOSE SHOWN ON THE CONSTRUCTION DOCUMENTS. CONTRACTION JOINTS SHALL BE PLACED AT A MAXIMUM SPACING OF 24 TIMES THE THICKNESS OF THE SLAB AND IN NO CASE SHALL JOINT SPACING EXCEED 15'-0", UNLESS NOTED OTHERWISE. WHERE SLAB ON GRADE CONTRACTION JOINTS ARE SHOWN, CONSTRUCTION JOINTS MAY BE SUBSTITUTED TO ACCOMMODATE THE CONTRACTOR'S PLACEMENT STRATEGY.
- SLABS ON GRADE SAW-CUT CONTRACTION JOINTS SHALL BE RUN WITHIN 4 TO 12 HOURS AFTER THE CONCRETE HAS BEEN FINISHED.
- USE PREMOLDED JOINT FILLER 1/2" THICK FOR ISOLATION JOINTS TO SEPARATE SLABS ON GRADE FROM BUILDING WALLS, COLUMNS AND FOOTINGS.
- WHERE TOP SURFACES OF CONCRETE SLABS ON GRADE ARE SHOWN TO BE RECESSED MORE THAN 1/2", THICKEN SLAB TO MAINTAIN INDICATED SLAB THICKNESS.
- PROVIDE REBAR SUPPORTS, SPACERS, AND TIE BARS ADEQUATELY TO ENSURE ALL REINFORCEMENT REMAINS AT PROPER DEPTH AND LOCATION WHEN CONCRETE SLABS ON GRADE ARE PLACED. REBAR SUPPORTS AND SPACERS EXPOSED TO EARTH SHALL BE HOT-DIP GALVANIZED G90 OR OTHER APPROVED NON-CORROSIVE MATERIAL.
- FOLLOW FLOORING MANUFACTURER'S RECOMMENDATIONS FOR SLAB ON GRADE FINISHING WHICH MAY INCLUDE EITHER A BROOM FINISH OR STEEL TROWELLED FINISH. IN AREAS WHERE NO FLOORING OR COATING IS SPECIFIED, FLOAT THE CONCRETE WITH SINGLE PASS FLAT TROWEL AND TEXTURE WITH BROOM FINISH.
- CURE CONCRETE BY APPLYING POLYETHYLENE SHEETING MATERIAL TO THE TOP SURFACE AFTER FINAL FINISHING FOR A PERIOD OF 3 DAYS. REMOVE POLYETHYLENE SHEETING AFTER NOTED CURING PERIOD. CONTINUE COLD WEATHER PROTECTION OF SLAB ON GRADE AS REQUIRED.
- THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING DRYING METHODS FOR CONCRETE SLABS WITH APPLIED COATINGS AND FLOORING MATERIALS TO ACHIEVE THE COATING OR FLOORING MANUFACTURER'S CONCRETE SLAB MOISTURE REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR TAKING ADEQUATE MOISTURE MITIGATION PROCEDURES IN THE CASE THE SLAB MOISTURE LEVELS ARE ANTICIPATED TO NOT BE WITHIN THE MANUFACTURER'S REQUIREMENTS IN ORDER TO MEET THE PROJECT CONSTRUCTION SCHEDULE. CONTRACTOR SHALL TEST MOISTURE CONTENT OF THE CONCRETE SLABS ON GRADE 10 DAYS PRIOR TO FLOORING INSTALLATIONS TO DETERMINE IF REMEDIAL METHODS NEED TO BE TAKEN TO ENSURE MOISTURE CONTENT IN SLABS IS AT AN ACCEPTABLE LEVEL. REFERENCE FLOORING MANUFACTURER'S SPECIFICATIONS FOR REQUIRED TESTS.
- ELECTRICAL AND MECHANICAL CONDUITS, RACEWAYS OR OTHER NON-STRUCTURAL ITEMS SHALL NOT BE PLACED WITHIN SLABS ON GRADE WITHOUT WRITTEN CONSENT FROM THE ENGINEER. REFER TO MECHANICAL DRAWINGS FOR FLOOR HEATING TUBE INSTALLATION REQUIREMENTS.
- SLABS ON GRADE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING FLOOR FLATNESS (FF) AND FLOOR LEVELNESS (FL) REQUIREMENTS FOR EACH CLASSIFICATION TYPE LISTED AS DEFINED IN THE LATEST EDITION OF ACI 117 "SPECIFICATION FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS AND COMMENTARY". FLOOR SURFACE CLASSIFICATION TYPE SHALL BE MODERATELY FLAT, UNLESS NOTED OTHERWISE.
 - CONVENTIONAL
OVERALL: FF = 20, FL = 15, LOCAL MIN: FF = 12, FL = 9
 - MODERATELY FLAT
OVERALL: FF = 25, FL = 20, LOCAL MIN: FF = 15, FL = 12
 - FLAT

STRUCTURAL SHEET INDEX

STRUCTURAL	
S001	STRUCTURAL GENERAL NOTES
S002	STRUCTURAL GENERAL NOTES
S003	STRUCTURAL GENERAL NOTES
S004	STRUCTURAL SCHEDULES
S005	STRUCTURAL SCHEDULES
S101	FOUNDATION PLAN
S102	SECOND LEVEL AND LOW ROOF FRAMING PLAN
S103	UPPER ROOF FRAMING PLAN
S201	STRUCTURAL FOUNDATION DETAILS
S202	STRUCTURAL FOUNDATION DETAILS
S211	STRUCTURAL FRAMING DETAILS
S212	STRUCTURAL FRAMING DETAILS
SL101	MAIN LEVEL LATERAL PLAN
SL102	MAIN LEVEL LATERAL PLAN

Cushing Terrell

cushingterrell.com
800.757.9522

SEARHC WORKFORCE HOUSING
1064 ZIMOVIA HIGHWAY, WRANGELL, AK 99929

SINGLE FAMILY TWO STORY (SHED ROOF)



© 2025 | ALL RIGHTS RESERVED

CONSTRUCTION DOCUMENTS

08.29.2025
PROJ# | SEARHC WRNGLWFH
DESIGNED BY | MENGSTU
DRAWN BY | KLONNE
REVIEWED BY | FELDMAN
REVISIONS

STRUCTURAL GENERAL NOTES

S001



OVERALL: FF = 35, FL = 25, LOCAL MIN: FF = 21, FL = 15	d) VERY FLAT OVERALL: FF = 45, FL = 35, LOCAL MIN: FF = 27, FL = 21	e) SUPER FLAT OVERALL: FF = 60, FL = 40, LOCAL MIN: FF = 36, FL = 24	F. CONCRETE	1) PERFORM CONCRETE WORK INCLUDING HANDLING, PLACING, AND CONSTRUCTING IN ACCORDANCE WITH THE LATEST EDITION OF ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE" INCLUDING THE REFERENCED LATEST EDITION OF ACI 117 "SPECIFICATION FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS AND COMMENTARY" UNLESS MORE STRINGENT REQUIREMENTS ARE SPECIFIED.	2) CAST-IN-PLACE CONCRETE SPECIFIED COVER FOR REINFORCEMENT SHALL NOT BE LESS THAN THE FOLLOWING:	a) 3" AT CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	b) 2" AT CONCRETE EXPOSED TO EARTH OR WEATHER FOR #6 AND LARGER BARS	c) 1 1/2" AT CONCRETE EXPOSED TO EARTH OR WEATHER FOR #5 AND SMALLER BARS	d) 1 1/2" AT CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND FOR REINFORCEMENT OF BEAMS OR COLUMNS	e) 3/4" AT CONCRETE SLABS, WALLS OR JOISTS NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	3) SPLICE REINFORCING BARS ACCORDING TO THE REINFORCING BAR LAP SCHEDULE. SPLICE WWF SHEETS BY LAPPING AT LEAST ONE PANEL WIDTH (TWO LONGITUDINAL BARS IN CONTACT) OR 10 INCHES MINIMUM. STAGGER ALTERNATING SPLICES A MINIMUM OF ONE LAP LENGTH. PLACE MECHANICAL REBAR SPLICE CONNECTORS WHERE SHOWN.	4) PLACE CORNER REINFORCING BARS AT ALL WALLS AND GRADE BEAMS WITH SIZE & SPACING TO MATCH HORIZONTAL REINFORCEMENT UNLESS SHOWN OTHERWISE.	5) ADD #5X6'-0" DIAGONAL REBAR EACH FACE AT ALL WALL OPENING CORNERS AND #5X6'-0" DIAGONAL REBAR MID-DEPTH AT ALL RE-ENTRANT SLAB CORNERS, UNLESS SHOWN OTHERWISE.	6) PROVIDE REBAR SUPPORTS, SPACERS, AND TIE BARS ADEQUATELY TO ENSURE ALL REINFORCEMENT REMAINS AT PROPER DEPTH AND LOCATION WHEN CONCRETE ELEMENTS ARE PLACED. REBAR SUPPORTS AND SPACERS EXPOSED TO EARTH SHALL BE HOT-DIP GALVANIZED G90 OR OTHER APPROVED NON-CORROSIVE MATERIAL.	7) VERTICAL DOWELS SHALL BE SECURED AND SUPPORTED IN PLACE BEFORE PLACING CONCRETE. DO NOT STAB OR "WET-SET" VERTICAL DOWELS.	8) INSTALL AND SECURE EMBEDMENTS SUCH AS ANCHOR RODS AND EMBEDMENT PLATES WITHIN SPECIFIED TOLERANCES PRIOR TO CONCRETE PLACEMENT.	9) CONCRETE SHALL BE PROPERLY CONSOLIDATED PER THE LATEST EDITION OF ACI 309 USING INTERIOR MECHANICAL VIBRATION, EXCEPT CONCRETE SLABS ON GRADE LESS THAN 5" THICK. DO NOT OVER-VIBRATE CONCRETE.	10) PROTECT AND CURE ALL CONCRETE SURFACES WITH CURING COMPOUND CONFORMING TO ASTM C309, TYPE 2, CLASS B, UNLESS NOTED OTHERWISE. BEGIN CURING WALLS IMMEDIATELY AFTER STRIPPING FORMS.	11) CONCRETE SURFACES TO RECEIVE GROUT UNDER COLUMN BASE PLATES MUST BE PREPARED BY LIGHT BUSH HAMMERING (1/4" AMPLITUDE) THE GROUTED AREA AND PRE-SOAKING. MINIMUM GROUT THICKNESS SHALL BE 1".	12) CONCRETE WALLS INTERSECTING CONCRETE PILASTERS SHALL BE CAST MONOLITHICALLY WITH PILASTERS, UNLESS NOTED OTHERWISE.	13) CHAMFER EXPOSED EDGES OF CONCRETE BEAMS AND COLUMNS 3/4", UNLESS NOTED OTHERWISE.	14) IN ACCORDANCE WITH THE LATEST EDITION OF ACI 347.3R, PROVIDE FORMED CONCRETE SURFACE CATEGORIES (CSC) AS FOLLOWS PER TABLE 3.1A, UNLESS NOTED OTHERWISE:	a) CONCRETE SURFACES IN AREAS WITH LOW VISIBILITY USED OR COVERED WITH SUBSEQUENT FINISH MATERIALS INCLUDING BUT NOT LIMITED TO BASEMENT WALLS COVERED BY GRADE: CSC1	b) CONCRETE SURFACES WHERE VISUAL APPEARANCE IS OF MODERATE IMPORTANCE INCLUDING BUT NOT LIMITED TO INTERIOR SPACES OF ELECTRICAL AND MECHANICAL ROOMS: CSC2	c) CONCRETE SURFACES THAT ARE IN PUBLIC VIEW OR WHERE APPEARANCE IS SPECIFICALLY DESIGNATED IMPORTANT INCLUDING BUT NOT LIMITED TO INTERIOR AND EXTERIOR ELEMENTS: CSC3	d) CONCRETE SURFACES WHERE THE EXPOSED CONCRETE IS A PROMINENT FEATURE OF THE COMPLETED STRUCTURE OR VISUAL APPEARANCE IS SPECIFICALLY DESIGNATED IMPORTANT INCLUDING BUT NOT LIMITED TO MONUMENTAL STRUCTURES: CSC4	15) WHEN THE AMBIENT AIR TEMPERATURE HAS FALLEN TO, OR IS EXPECTED TO FALL BELOW 40 F DURING THE PROTECTION PERIOD, IMPLEMENT COLD WEATHER PROCEDURES AND COMPLY WITH COLD WEATHER CONCRETING PROVISIONS OF THE ADOPTED ACI 306R "GUIDE TO COLD WEATHER CONCRETING". CONTRACTOR SHALL PROVIDE A COLD WEATHER CONCRETE PLACEMENT AND PROTECTION PLAN AS A PROJECT SUBMITTAL IF JOB SITE TEMPERATURES ARE EXPECTED TO DROP BELOW NOTED THRESHOLD VALUE AT ANY TIME DURING THE CONCRETE PLACEMENT. CONTRACTOR IS RESPONSIBLE FOR ALL HEATING AND PROTECTION MATERIALS AND ASSOCIATED LABOR AS REQUIRED IN MAINTAINING COMPLIANCE WITH COLD WEATHER CONCRETING PROCEDURES.	16) WHEN THE AMBIENT AIR TEMPERATURE EXCEEDS 80 F OR THE RATE OF EVAPORATION IS GREATER THAN 0.2 PSF PER HOUR, IMPLEMENT HOT WEATHER PROCEDURES AND COMPLY WITH HOT WEATHER CONCRETING PROVISIONS OF THE ADOPTED ACI 305R "GUIDE TO HOT WEATHER CONCRETING". CONTRACTOR SHALL PROVIDE A HOT WEATHER CONCRETE PLACEMENT AND PROTECTION PLAN AS A PROJECT SUBMITTAL IF JOB SITE TEMPERATURES ARE EXPECTED TO EXCEED NOTED THRESHOLD VALUES AT ANY TIME DURING THE CONCRETE PLACEMENT.	17) SHOULD SULFATES BE FOUND IN THE SOIL ACCORDING TO THE GEOTECHNICAL REPORT, DO NOT USE CONCRETE CONTAINING CALCIUM CHLORIDE OR ADMIXTURES CONTAINING CALCIUM CHLORIDE.	18) CONCRETE TESTING AND ACCEPTANCE:	a) CONCRETE PRODUCTION FACILITY SHALL SUBMIT FOR ENGINEER APPROVAL CONCRETE MIX DESIGN A MINIMUM OF FIVE WORKING DAYS PRIOR TO PLACEMENT WHICH INCLUDES STRENGTH TEST RECORDS NOT MORE THAN 24 MONTHS OLD AND CONSISTING OF AT LEAST 30 CONSECUTIVE TESTS OR TWO GROUPS OF CONSECUTIVE TESTS TOTALING AT LEAST 30 TESTS.	b) OBTAIN SAMPLES IN ACCORDANCE WITH THE LATEST EDITION OF ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE" SECTION 1.6.4.2. OBTAIN AT LEAST ONE COMPOSITE SAMPLE FOR EACH 100 CUBIC YARDS, OR FRACTION THEREOF, OF EACH CONCRETE MIXTURE PLACED IN ANY ONE DAY.	c) MOLD AND CURE A MINIMUM OF FIVE CYLINDERS FROM EACH SAMPLE IN ACCORDANCE WITH ASTM C31. TEST ONE CYLINDER AT 7 DAYS, TEST THREE CYLINDERS AT 28 DAYS, AND TEST ONE CYLINDER AT 56 DAYS.	d) A STRENGTH TEST SHALL BE THE AVERAGE OF THE STRENGTHS OF AT LEAST THREE 4 BY 8 IN CYLINDERS MADE FROM THE SAME SAMPLE OF CONCRETE AND TESTED AT TEST AGE DESIGNATED.	e) STRENGTH LEVEL OF AN INDIVIDUAL CLASS OF CONCRETE SHALL BE CONSIDERED SATISFACTORY IF BOTH OF THE FOLLOWING REQUIREMENTS ARE MET:	1. EVERY ARITHMETIC AVERAGE OF ANY THREE CONSECUTIVE STRENGTH TESTS EQUALS OR EXCEEDS f _c .	2. NO STRENGTH TEST FALLS BELOW f _c BY MORE THAN 500 PSI.	G. FLOWABLE FILL	1) FLOWABLE MAY BE USED AS A REPLACEMENT FOR STRUCTURAL FILL ONLY WHEN APPROVED BY THE PROJECT ENGINEER. FLOWABLE FILL (CONTROLLED LOW-STRENGTH MATERIAL) PROPERTIES SHALL BE DETERMINED PER THE LATEST EDITION OF ACI 229, UNLESS NOTED OTHERWISE.	2) FLOWABLE FILL SHALL BE READY MIXED IN ACCORDANCE WITH ACI 304.	3) FLOWABLE FILL TESTING AND ACCEPTANCE:	a) FLOWABLE FILL PRODUCTION FACILITY SHALL SUBMIT FOR ENGINEER APPROVAL FLOWABLE FILL MIX DESIGN A MINIMUM OF FIVE WORKING DAYS PRIOR TO PLACEMENT WHICH INCLUDES STRENGTH TEST RECORDS NOT MORE THAN 24 MONTHS OLD AND CONSISTING OF AT LEAST 30 CONSECUTIVE TESTS OR TWO GROUPS OF CONSECUTIVE TESTS TOTALING AT LEAST 30 TESTS.	b) OBTAIN SAMPLES IN ACCORDANCE WITH THE LATEST EDITION OF ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE" SECTION 1.6.4.2. OBTAIN AT LEAST ONE COMPOSITE SAMPLE FOR EACH 100 CUBIC YARDS, OR FRACTION THEREOF, OF EACH FLOWABLE FILL MIXTURE PLACED IN ANY ONE DAY.	c) MOLD AND CURE A MINIMUM OF FOUR CYLINDERS FROM EACH SAMPLE IN ACCORDANCE WITH ASTM C31. TEST ONE CYLINDER AT 7 DAYS AND TEST TWO CYLINDERS AT 28 DAYS. HOLD ONE CYLINDER IN RESERVE FOR TESTING AS DIRECTED BY THE ENGINEER.	d) A STRENGTH TEST SHALL BE THE AVERAGE OF THE STRENGTHS OF AT LEAST TWO 6 BY 12 IN CYLINDERS MADE FROM THE SAME SAMPLE OF FLOWABLE FILL AND TESTED AT TEST AGE DESIGNATED.	e) STRENGTH LEVEL OF AN INDIVIDUAL CLASS OF FLOWABLE FILL SHALL BE CONSIDERED SATISFACTORY IF BOTH OF THE FOLLOWING REQUIREMENTS ARE MET:	1. EVERY ARITHMETIC AVERAGE OF ANY THREE CONSECUTIVE STRENGTH TESTS EQUALS OR EXCEEDS f _c .	2. NO STRENGTH TEST FALLS BELOW f _c BY MORE THAN 100 PSI.	H. WOOD FRAMING	1) FRAMING CONNECTORS, ANCHORS, AND HANGERS SHOWN ON THE DRAWINGS ARE THE PRODUCTS OF SIMPSON STRONG-TIE COMPANY, PLEASANTON, CALIFORNIA AND ARE DESIGNATED BY THE MANUFACTURER'S STANDARD PRODUCT NUMBERS. FOLLOW ALL MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION AND USE. PRODUCTS WITH EQUIVALENT CAPACITY AND QUALITY MAY BE SUBSTITUTED AFTER A SUBMITTAL HAS BEEN PROVIDED BY THE GENERAL CONTRACTOR AND FINAL APPROVAL BY STRUCTURAL ENGINEER. NOTE: "USP" LUMBER CONNECTORS ARE PRIOR APPROVED FOR DIRECT SUBSTITUTION OF SIMPSON PRODUCTS USING THE "USP" REFERENCE NUMBER INDEX. WHERE DIRECT SUBSTITUTION IS NOT AVAILABLE IN THE INDEX, PROVIDE A SUBSTITUTION SUBMITTAL FOR PROPOSED PRODUCT SUBSTITUTION.	2) SAWN LUMBER:	a) SAWN LUMBER SHALL BE NEW OR RECYCLED STABLED WOOD WITH MAXIMUM MOISTURE CONTENT OF 19%.	b) PROVIDE HEADERS FOR ALL OPENINGS PER SCHEDULE. WHERE NOT INDICATED, INSTALL 2-2X6 WITH PLATES TOP AND BOTTOM MATCHING STUD WIDTH. INSULATE ALL BOX HEADERS AS INDICATED BY ARCHITECTURAL.	c) DOUBLE TOP PLATES SHALL HAVE A MINIMUM LAP LENGTH OF 4 FEET. FASTEN WITH 1 ROW OF 0.135"Ø NAILS @ 6" UNLESS NOTED OTHERWISE.	d) ALL FRAMING ABOVE NON-BEARING WALLS SHALL UTILIZE SLIP CONNECTIONS ENSURING PREVENTION OF UNINTENDED LOAD TRANSFER.	e) WOOD STUD WALL SHALL BE 2X6 @ 16" OC, UNLESS NOTED OTHERWISE ON CONSTRUCTION DOCUMENTS. SILL PLATES SHALL UTILIZE A MINIMUM OF 2 ANCHOR RODS WHICH SHALL BE 5/8" DIAMETER X 8" EMBED WITH 3"x3"x1/4" PLATE WASHERS SPACED A MAXIMUM OF 4'-0" OC, UNLESS NOTED OTHERWISE. SILL PLATE SHALL NOT BE NOTCHED FOR FASTENING AND ANCHOR ROD THREADS SHALL EXTEND A MINIMUM OF 2 THREADS ABOVE NUT. ANCHOR RODS ARE REQUIRED WITHIN 1'-0" OF ALL JAMBS, CORNERS, WALL INTERSECTIONS AND WALL ENDS.	f) PROVIDE SOLID STRUCTURAL BLOCKING BELOW ALL WOOD COLUMNS DIRECTLY TO FRAMING BELOW.	g) STRUCTURAL MEMBERS NOT SPECIFICALLY DETAILED FOR PENETRATIONS SHALL NOT BE CUT FOR MECHANICAL PIPES, DUCTS ETC UNLESS APPROVED BY THE ENGINEER.	h) WOOD MEMBERS EXPOSED TO WEATHER OR IN DIRECT CONTACT WITH CONCRETE SHALL BE PRESERVATIVE TREATED WOOD IN ACCORDANCE WITH AMERICAN WOOD PROTECTION ASSOCIATION (AWPA) STANDARDS.	i) ALL LAG SCREWS SHALL HAVE LEAD HOLES DRILLED THE SAME DIAMETER FOR THE SHANK AND 50% OF THE SHANK DIAMETER FOR THE THREADED PORTION. LUBRICATE THREADS BEFORE INSTALLATION.	j) NAILING REQUIREMENTS NOT SPECIFIED ON THE CONSTRUCTION DOCUMENTS SHALL BE IN ACCORDANCE WITH IBC FASTENING SCHEDULE, TABLE 2304.9.1.	k) ALL STEEL PLATE, FASTENERS, ANCHORS AND CONNECTORS IN DIRECT CONTACT WITH WOOD THAT HAS ALKALINE COPPER QUATERNARY (ACQ) WITHOUT AMMONIA PRESERVATIVE TREATMENT SHALL BE ASTM A153, CLASS B HOT-DIP GALVANIZED COATING G185 OR BE STAINLESS STEEL TYPE SS316L. ALL STEEL PLATE, FASTENERS, ANCHORS AND CONNECTORS IN DIRECT CONTACT WITH WOOD THAT HAS ALKALINE COPPER QUATERNARY (ACQ) WITH AMMONIA PRESERVATIVE TREATMENT SHALL BE STAINLESS STEEL TYPE SS316L.	3) WOOD SHEATHING:	a) INSTALL FLOOR & ROOF PLYWOOD PANELS WITH FACE GRAIN PERPENDICULAR TO SUPPORTS. STAGGER ALL END JOINTS 48" MINIMUM AND PLACE AS INDICATED IN "CASE 1" OF THE LATEST EDITION OF AWC SDPWS TABLE 4.2A FOR ROOF AND FLOOR SHEATHING, UNLESS NOTED OTHERWISE ON CONSTRUCTION DOCUMENTS. FASTEN PANELS TO SUPPORTING FRAMING AND BLOCKING AS INDICATED ON CONSTRUCTION DOCUMENTS.	b) INSTALL WALL STRUCTURAL PANELS WITH FACE GRAIN EITHER PARALLEL TO OR PERPENDICULAR TO SUPPORTS. IN HORIZONTAL INSTALLATIONS, STAGGER ALL END JOINTS A MINIMUM OF ONE STUD SPACE AND IN VERTICAL INSTALLATIONS, STAGGER ALL END JOINTS A MINIMUM OF THE TYPICAL STUD SPACING, UNLESS NOTED OTHERWISE ON CONSTRUCTION DOCUMENTS. FASTEN PANELS TO SUPPORTING FRAMING AND BLOCKING AS INDICATED ON CONSTRUCTION DOCUMENTS.	c) PANELS LESS THAN 12 INCHES WIDE SHALL NOT BE USED.	d) FASTENERS ALONG SHEAR PANEL EDGES SHALL NOT BE LESS THAN 3/8" FROM PANEL EDGE.	e) NAIL HEADS SHALL NOT PENETRATE BEYOND A FLUSH CONDITION WITH FACE OF SHEATHING.	f) WOOD SHEATHING FASTENING FRAMING ATTACHMENT, UNLESS NOTED OTHERWISE:	1. WALL SHEATHING:	a. 0.131"Ø NAIL @ 6" AT PANEL EDGES, UNO — ALL PANEL EDGES SHALL BE BLOCKED	b. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	2. ROOF SHEATHING:	a. 0.131"Ø NAIL @ 6" AT PANEL EDGES, UNO	b. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	3. FLOOR SHEATHING:	a. 0.131"Ø NAIL @ 6" AT PANEL EDGES, UNO	b. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	c. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	d. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	e. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	f. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	g. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	h. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	i. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	j. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	k. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	l. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	m. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	n. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	o. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	p. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	q. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	r. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	s. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	t. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	u. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	v. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	w. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	x. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	y. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	z. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	aa. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	ab. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	ac. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	ad. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	ae. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	af. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	ag. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	ah. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	ai. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	aj. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	ak. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	al. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	am. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	an. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	ao. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	ap. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	aq. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	ar. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	as. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	at. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	au. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	av. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	aw. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	ax. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	ay. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	az. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	ba. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	bb. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	bc. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	bd. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	be. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	bf. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	bg. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	bh. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	bi. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	bj. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	bk. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	bl. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	bm. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	bn. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	bo. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	bp. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	bq. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	br. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	bs. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	bt. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	bu. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	bv. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	bw. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	bx. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	by. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	bz. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	ca. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	cb. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	cc. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	cd. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	ce. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	cf. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	cg. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	ch. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	ci. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	cj. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	ck. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	cl. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	cm. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	cn. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	co. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	cp. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	cq. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	cr. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	cs. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	ct. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	cu. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	cv. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	cw. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	cx. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	cy. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	cz. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	da. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	db. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	dc. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	dd. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	de. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	df. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	dg. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	dh. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	di. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	dj. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	dk. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	dl. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	dm. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	dn. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	do. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	dp. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	dq. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	dr. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	ds. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	dt. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	du. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	dv. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	dw. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	dx. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	dy. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	dz. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	ea. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	eb. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	ec. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	ed. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	ee. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	ef. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	eg. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	eh. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	ei. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	ej. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	ek. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	el. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	em. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	en. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	eo. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	ep. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	eq. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	er. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	es. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	et. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	eu. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	ev. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	ew. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	ex. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	ey. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	ez. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	fa. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	fb. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	fc. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	fd. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	fe. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	ff. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	fg. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	fh. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	fi. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	fj. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	fk. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	fl. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	fm. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	fn. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	fo. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	fp. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	fq. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	fr. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	fs. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	ft. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	fu. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	fv. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	fw. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	fx. 0.131"Ø NAIL @ 12" AT PANEL FIELD, UNO	fy. 0.131"Ø NAIL @
--	--	---	-------------	---	---	---	--	---	--	---	---	---	--	---	---	--	--	---	--	---	---	--	---	--	---	--	--	---	---	--------------------------------------	--	--	--	---	--	--	--	------------------	---	---	--	--	---	---	---	---	--	--	-----------------	---	-----------------	--	--	---	--	--	--	--	--	--	---	--	--------------------	--	--	---	---	--	---	--------------------	---	---	--------------------	--	---	---------------------	--	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--------------------

- c) SLAB ON GRADE VAPOR BARRIERS
- d) SPECIAL INSPECTION REQUIREMENTS

J. SPECIAL INSPECTIONS AND TESTS

- 1) SPECIAL INSPECTIONS DESCRIBED BELOW ARE REQUIRED BY SECTION 1705 OF THE IBC AND SHALL BE PERFORMED PRIOR TO ISSUANCE OF THE CERTIFICATE OF OCCUPANCY. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING THE ENGINEER APPRISED OF WORK PROGRESS AS IT PERTAINS TO SPECIAL INSPECTIONS AND ENSURING THAT NO WORK REQUIRING SPECIAL INSPECTIONS IS CONCEALED BEFORE SPECIAL INSPECTIONS OCCUR. REFER TO THE PROJECT SPECIFICATIONS FOR OTHER INSPECTIONS AND MATERIALS TESTING REQUIREMENTS.
- 2) EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A MAIN WIND- OR SEISMIC FORCE-RESISTING SYSTEM, DESIGNATED SEISMIC SYSTEM OR A WIND- OR SEISMIC-RESISTING COMPONENT LISTED IN THE STATEMENT OF SPECIAL INSPECTIONS SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT PER SECTION 1704 OF THE IBC.
- 3) THE OWNER SHALL EMPLOY QUALIFIED SPECIAL INSPECTORS DURING CONSTRUCTION TO PERFORM STRUCTURAL OBSERVATIONS FOR THE ELEMENTS NOTED BELOW.
- a) CONCRETE CONSTRUCTION: THE SPECIAL INSPECTIONS AND VERIFICATIONS FOR CONCRETE CONSTRUCTION SHALL BE AS REQUIRED BY SECTION 1705.3 AND TABLE 1705.3 OF THE IBC. INSPECTIONS INCLUDE BUT ARE NOT LIMITED TO PERIODIC INSPECTION OF VAPOR BARRIERS, MECHANICAL COUPLERS, REINFORCING STEEL AND PRESTRESSING TENDONS, PERIODIC INSPECTION OF ANCHORS CAST IN CONCRETE PRIOR TO CONCRETE PLACEMENT, PERIODIC INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS, CONTINUOUS INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES EXCEPT PERIODIC INSPECTION FOR SLABS ON GRADE AND ELEVATED COMPOSITE SLABS. VERIFY USE OF REQUIRED MIX DESIGN AND INSPECT CONCRETE FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES. MATERIAL TESTING SHALL BE PERFORMED ACCORDING TO THE REQUIREMENTS OF THE LATEST EDITION OF ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" CHAPTERS 3 AND 5.
- b) WOOD CONSTRUCTION: THE SPECIAL INSPECTIONS AND VERIFICATIONS FOR WOOD CONSTRUCTION SHALL BE AS REQUIRED BY SECTION 1705.5 OF THE IBC. INSPECTIONS INCLUDE BUT ARE NOT LIMITED TO PERIODIC INSPECTION OF PREFABRICATED WOOD STRUCTURAL ELEMENTS, HIGH-LOAD DIAPHRAGMS.
- c) SOILS: SPECIAL INSPECTIONS FOR EXISTING SITE SOIL CONDITIONS, FILL PLACEMENT AND LOAD-BEARING REQUIREMENTS SHALL BE AS REQUIRED BY SECTION 1705.6 AND TABLE 1705.6 OF THE IBC. THE APPROVED GEOTECHNICAL REPORT AND THE CONSTRUCTION DOCUMENTS PREPARED BY THE REGISTERED DESIGN PROFESSIONALS SHALL BE USED TO DETERMINE COMPLIANCE. INSPECTIONS INCLUDE BUT ARE NOT LIMITED TO PERIODIC INSPECTION OF MATERIALS BELOW SHALLOW FOUNDATIONS AND EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.

K. DEFERRED SUBMITTALS

- 1) DOCUMENTATION SUCH AS SHOP DRAWINGS, ERECTION DRAWINGS AND CALCULATIONS FOR DEFERRED SUBMITTAL ITEMS WILL BE REVIEWED BY THE ENGINEER WHEN AVAILABLE AND FORWARDED TO THE BUILDING OFFICIAL. CONTRACTOR SHALL ALLOW FOR A MINIMUM OF FIVE WORKING DAYS FOR ENGINEER REVIEW OF ALL DEFERRED SUBMITTALS.
- 2) SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL STRUCTURAL ITEMS REQUIRED BY THE PROJECT SPECIFICATIONS FOR REVIEW BY THE ENGINEER PRIOR TO FABRICATION. SHOP DRAWINGS FOR PROPRIETARY PRODUCTS DESIGNED BY THE MANUFACTURER SHALL INCLUDE DESIGN CALCULATIONS STAMPED BY AN ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED.
- 3) THE CONTRACTOR SHALL REVIEW AND STAMP ALL DEFERRED SUBMITTALS TO ENSURE CONFORMANCE WITH CONSTRUCTION DOCUMENTS PRIOR TO SUBMITTING FOR ARCHITECTURAL AND ENGINEERING REVIEW. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION AND COORDINATION OF ALL DIMENSIONS AND DETAILS WITH SUBCONTRACTORS. SHOP DRAWINGS OR PRODUCT DATA NOT STAMPED BY THE CONTRACTOR WILL NOT BE REVIEWED.
- 4) SHOP DRAWINGS SHALL NOT REPLACE THE CONTRACT DRAWINGS. ITEMS OMITTED OR SHOWN INCORRECTLY ARE NOT CONSIDERED AS CHANGES TO THE CONTRACT DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR THE CORRECTNESS AND COMPLETENESS OF ALL DEFERRED SUBMITTALS.
- 5) DEFERRED SUBMITTALS SHALL CLOUD AND NOTE ANY DEVIATIONS OR SUBSTITUTIONS FROM THE CONTRACT DRAWINGS IN ALL INSTANCES. DEVIATIONS NOT CLOUDED ARE CONSIDERED NOT APPROVED, UNLESS NOTED SPECIFICALLY OTHERWISE BY THE ENGINEER.

L. MISCELLANEOUS

- 1) REFERENCE CIVIL DRAWINGS FOR BUILDING LOCATION AND ORIENTATION ON THE SITE. DRAWING ELEVATION REFERENCE 100'-0" = XXXX.XX FT CIVIL DATUM.

- 2) CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS SHOWN ON THE CONSTRUCTION DOCUMENTS AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN ARCHITECTURAL AND STRUCTURAL DRAWINGS PRIOR TO PROCEEDING WITH CONSTRUCTION.
- 3) USE ONLY WRITTEN DIMENSIONS FOR CONSTRUCTION. WHERE NO DIMENSION IS PROVIDED, CONSULT THE ENGINEER FOR CLARIFICATION PRIOR TO CONSTRUCTION.
- 4) DETAIL MARKS ANNOTATED ON PLANS ARE INTENDED TO INDICATE SPECIFIC CONFIGURATION(S) AND INFORMATION. FOR PLAN CLARITY, NOT EVERY LOCATION WHERE A SPECIFIC DETAIL MAY APPLY IS ANNOTATED. CONTACT THE ENGINEER IF CLARIFICATION IS NEEDED.
- 5) COORDINATE OPENINGS AND EMBEDDED ITEMS IN CONCRETE AND MASONRY WORK WITH ALL TRADES.
- 6) NOTIFY ENGINEER OF ANY DISCREPANCIES DISCOVERED WITH OTHER TRADES.
- 7) CONSTRUCTION LOADS SHALL NOT BE GREATER THAN THE DESIGN LOADS INDICATED IN DESIGN LOADS AND CRITERIA SECTION B.1, UNLESS REVIEWED AND APPROVED BY THE ENGINEER.
- 8) EQUIPMENT OPENINGS INDICATED ARE FOR REFERENCE ONLY. COORDINATE EXACT LOCATIONS, DIMENSIONS AND DETAILS WITH EQUIPMENT MANUFACTURERS AND TRADES. ALL OPENINGS IN FLOORS, ROOFS OR OTHER STRUCTURAL MEMBERS THAT ARE NOT SPECIFICALLY DETAILED IN THE STRUCTURAL DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF AND REVIEWED BY THE ENGINEER.
- 9) TEMPORARILY BRACE THE STRUCTURE TO RESIST ALL LOADS OR COMBINATIONS OF LOADS UNTIL ALL PERMANENT ELEMENTS ARE IN PLACE AND ALL CONNECTIONS ARE COMPLETE AS SHOWN. THE DESIGN AND SAFETY OF ALL ERECTION BRACING, SHORING AND TEMPORARY SUPPORTS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- 10) COSTS ASSOCIATED WITH STRUCTURAL DRAWING CHANGES RESULTING FROM USE OF ALTERNATES OR SUBSTITUTIONS, INCLUDING MECHANICAL EQUIPMENT, IS THE CONTRACTOR'S RESPONSIBILITY.
- 11) CONTRACTOR IS RESPONSIBLE FOR LOCATING, PROTECTING AND STABILIZING ALL ADJACENT STRUCTURES AND UTILITIES THROUGH ALL PHASES OF CONSTRUCTION.
- 12) STRUCTURAL GENERAL NOTES SHALL NOT BE A SUBSTITUTE FOR THE PROJECT SPECIFICATIONS. CONFLICTS BETWEEN THE STRUCTURAL GENERAL NOTES AND PROJECT SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OR THE STRICTER OF THE TWO CRITERIA SHALL BE USED.

M. ABBREVIATIONS LIST (SOME OF THE LISTED ABBREVIATIONS MAY NOT APPEAR ON THE DRAWINGS)

- 1) & AND
- 2) @ AT
- 3) AB ANCHOR BOLT
- 4) ACI AMERICAN CONCRETE INSTITUTE
- 5) AFF ABOVE FINISH FLOOR
- 6) AITC AMERICAN INSTITUTE OF TIMBER CONSTRUCTION
- 7) ALT ALTERNATE
- 8) ANC ANCHOR
- 9) ANSI AMERICAN NATIONAL STANDARDS INSTITUTE
- 10) APPR APPROXIMATE
- 11) ARCH ARCHITECTURE OR ARCHITECTURAL
- 12) ASCE AMERICAN SOCIETY OF CIVIL ENGINEERS
- 13) ASD ALLOWABLE STRESS DESIGN
- 14) ASTM AMERICAN SOCIETY FOR TESTING AND MATERIALS
- 15) AWC AMERICAN WOOD COUNCIL
- 16) BF BRACED FRAME
- 17) BLDG BUILDING
- 18) BLK BLOCK
- 19) BM BEAM
- 20) BOF BOTTOM OF FOOTING
- 21) BOSH BOTTOM OF SHEATHING
- 22) BOT BOTTOM
- 23) BRG BEARING
- 24) BTWN BETWEEN
- 25) CIP CAST-IN-PLACE
- 26) CJ CONTROL JOINT
- 27) CL CENTER LINE
- 28) CLR CLEAR
- 29) CNJT CONTRACTION JOINT
- 30) COL COLUMN
- 31) CONC CONCRETE
- 32) CONN CONNECTION OR CONNECTOR
- 33) CONST JT CONSTRUCTION JOINT
- 34) CONT CONTINUE OR CONTINUOUS
- 35) CRSI CONCRETE REINFORCING STEEL INSTITUTE

- 36) DBL DOUBLE
- 37) DEPR DEPRESSION
- 38) DET DETAIL
- 39) DIA DIAMETER
- 40) DIM DIMENSION OR DIMENSIONS
- 41) DIR DIRECTION
- 42) DL DEVELOPMENT LENGTH
- 43) DWLS DOWELS
- 44) EA EACH
- 45) EE EACH END
- 46) EF EACH FACE
- 47) EJ EXPANSION JOINT
- 48) EL ELEVATION
- 49) ELEC ELECTRIC OR ELECTRICAL
- 50) EQ EQUAL
- 51) EQPM EQUIPMENT
- 52) ES EACH SIDE
- 53) EW EACH WAY
- 54) EXIST OR (E) EXISTING
- 55) EXP EXPANSION
- 56) EXP BOLT EXPANSION BOLT
- 57) EXP JT EXPANSION JOINT
- 58) FF FAR FACE
- 59) FIN FINISH
- 60) FL FLOOR
- 61) FDN FOUNDATION
- 62) FT FOOT OR FEET
- 63) FTG FOOTING
- 64) FT-LB FOOT POUND
- 65) GA GAUGE OR GAGE
- 66) GALV GALVANIZED OR GALVANIZE
- 67) GB GRADE BEAM
- 68) GC GENERAL CONTRACTOR
- 69) GL GLUED LAMINATED TIMBER
- 70) GR GRADE
- 71) HAS HEADED ANCHOR STUD
- 72) HEF HORIZONTAL EACH FACE
- 73) HIF HORIZONTAL INSIDE FACE
- 74) HOF HORIZONTAL OUTSIDE FACE
- 75) HORZ HORIZONTAL
- 76) HP HIGH POINT
- 77) HS HIGH STRENGTH
- 78) HT HEIGHT
- 79) IBC INTERNATIONAL BUILDING CODE
- 80) ICBO INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS
- 81) ID INSIDE DIAMETER
- 82) IN INCH OR INCHES
- 83) INV INVERT
- 84) ISJT ISOLATION JOINT
- 85) JB JOIST BEARING
- 86) JST JOIST
- 87) JT JOINT
- 88) K KIP (1000 POUNDS)
- 89) KSI KIPS PER SQUARE INCH
- 90) LB(S) POUND OR POUNDS
- 91) LF LINEAR FEET OR LINEAL FEET
- 92) LLH LONG LEG HORIZONTAL
- 93) LLV LONG LEG VERTICAL
- 94) LONG LONGITUDINAL
- 95) LP LOW POINT
- 96) LRFD LOAD AND RESISTANCE FACTOR DESIGN
- 97) LW LIGHT WEIGHT
- 98) LWC LIGHT WEIGHT CONCRETE
- 99) MAX MAXIMUM
- 100) MC MECHANICAL CONTRACTOR
- 101) MFG MANUFACTURING
- 102) MFR MANUFACTURER
- 103) MECH MECHANICAL
- 104) MIN MINIMUM
- 105) MTL METAL
- 106) (N) NEW

- 107) N/A NOT APPLICABLE
- 108) NF NEAR FACE
- 109) NIC NOT IN CONTRACT
- 110) NO OR # NUMBER
- 111) NOM NOMINAL
- 112) NTS NOT TO SCALE
- 113) NWC NORMAL WEIGHT CONCRETE
- 114) OC ON CENTER
- 115) OD OUTSIDE DIAMETER
- 116) OPNG OPENING
- 117) % PERCENT
- 118) PERP PERPENDICULAR
- 119) PL PLATE
- 120) PLMB PLUMBING OR PLUMB
- 121) PROJ PROJECTION
- 122) PSF POUNDS PER SQUARE FOOT
- 123) PSI POUNDS PER SQUARE INCH
- 124) PVC POLYVINYL CHLORIDE
- 125) QTY QUANTITY
- 126) (R) RELOCATE OR RELOCATED
- 127) R RADIUS
- 128) RE RIGHT END
- 129) REINF REINFORCE, REINFORCED, REINFORCEMENT OR REINFORCING
- 130) REQD REQUIRED
- 131) RET RETURN
- 132) RETG RETAINING
- 133) REV REVISION
- 134) SC SHEAR CONNECTOR
- 135) SCHED SCHEDULE
- 136) SECT SECTION
- 137) SF STEP FOOTING
- 138) SF SQUARE FOOT OR SQUARE FEET
- 139) SFRS SEISMIC FORCE-RESISTING SYSTEM
- 140) SHT SHEET
- 141) SIM SIMILAR
- 142) SL SPLICE LENGTH
- 143) SLV SHORT LEG VERTICAL
- 144) SOG SLAB ON GRADE
- 145) SPA SPACE OR SPACES
- 146) SPEC SPECIFIED OR SPECIFICATION
- 147) SQ SQUARE
- 148) STD STANDARD
- 149) STIFF STIFFENER
- 150) STL STEEL
- 151) STIR STIRRUP
- 152) STRUCT STRUCTURAL OR STRUCTURE
- 153) SUP SUPPORT
- 154) SYM SYMMETRICAL
- 155) T&B TOP AND BOTTOM
- 156) TB TRUSS BEARING
- 157) THK THICK OR THICKNESS
- 158) THRD THREAD OR THREADED
- 159) TMS THE MASONRY SOCIETY
- 160) TOB TOP OF WOOD BEAM/GLUED LAMINATED TIMBER
- 161) TOCS TOP OF CONCRETE SLAB
- 162) TOCW TOP OF CONCRETE WALL
- 163) TOF TOP OF FOOTING
- 164) TOSH TOP OF SHEATHING
- 165) TOW TOP OF WOOD
- 166) TOWL TOP OF WOOD LEDGER
- 167) TRANS TRANSVERSE
- 168) TYP TYPICAL
- 169) UNO UNLESS NOTED OTHERWISE
- 170) US UNDERSIDE
- 171) VEF VERTICAL EACH FACE
- 172) VERT VERTICAL
- 173) VIF VERIFY IN FIELD OR VERTICAL INSIDE FACE
- 174) VOF VERTICAL OUTSIDE FACE
- 175) W/ WITH
- 176) W/O WITHOUT
- WWF WELDED WIRE FABRIC



NOTES:

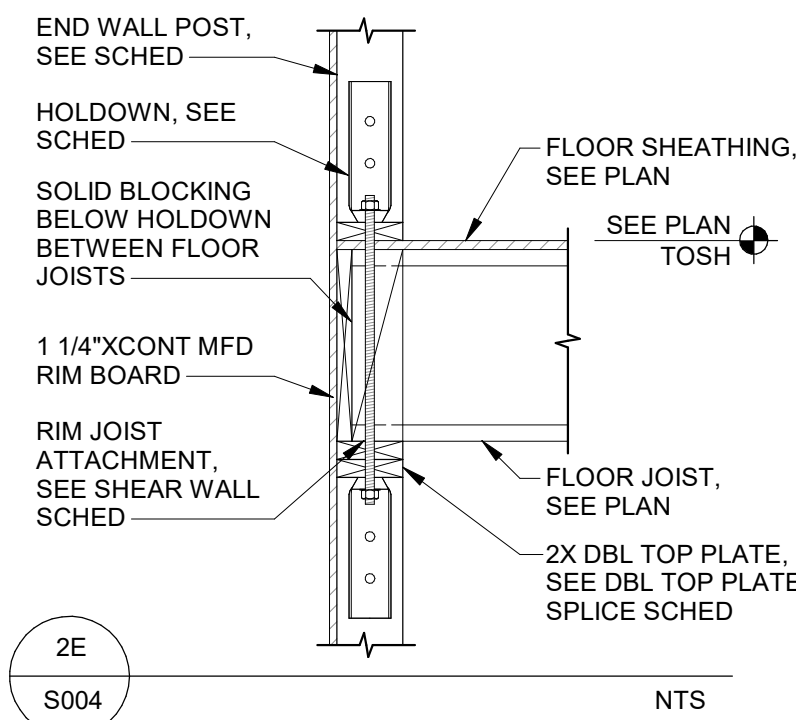
1. ALL EXTERIOR WALLS SHALL BE SHEATHED W/ 15/32" SHEATHING, BLOCKED AT JOINTS, 0.131"Ø @ 6" AT ALL PANEL EDGES & 12" AT INTERMEDIATE SUPPORTS, UNLESS INDICATED OTHERWISE.
2. NAIL HEADS SHALL NOT PENETRATE BEYOND A FLUSH CONDITION WITH FACE OF SHEATHING AND SHALL HAVE 3/8" MIN EDGE DISTANCE.
3. SEE PLANS FOR SHEAR WALL MARK LOCATIONS AND LIMITS.
4. EXTERIOR WALL PANEL WOOD SHEATHING WITH FACE GRAIN PERPENDICULAR TO SUPPORTS. STAGGER ALL END PANEL JOINTS 32", MINIMUM. FASTEN PANELS TO SUPPORTING FRAMING AND BLOCKING IN ACCORDANCE WITH SHEAR WALL SCHEDULE AND DETAILS FOR CRITICAL NAILING.
5. NO PANELS LESS THAN 12 INCHES WIDE SHALL BE USED.
6. WHERE BOTH FACES ARE SCHEDULED TO BE SHEATHED, STAGGER VERTICAL PANEL EDGES BY AT LEAST ONE STUD SPACE.
7. IF MULTI-STORY SHEAR WALLS ARE SPECIFIED, PROVIDE SOLID BLOCKING BELOW END POSTS AND ALL BEARING STUDS.
8. ALL SILL PLATES REQUIRE PLATE WASHER 3"x3"x1/4" AT ANCHOR BOLTS.

NOTES:

1. EXPANSION ANCHORS ARE NOT ACCEPTABLE FOR USE AT HOLDOWNS AT CONCRETE INTERFACES.
2. WHERE ADHESIVE ANCHORS ARE SPECIFIED CONFIRM THAT REINFORCING STEEL DOES NOT CONFLICT W/ DRILLING HOLDOWN ANCHOR.
3. SEE PLAN FOR HOLDOWN LOCATIONS.
4. POST INSTALLED ANCHORS ARE NOT PERMITTED AT CONCRETE EXTERIOR WALL OR INTERIOR WALLS WITH 12" WIDE STEM WALL OR LESS IN WIDTH. ANCHORS SHALL BE CAST-IN-PLACE ONLY.

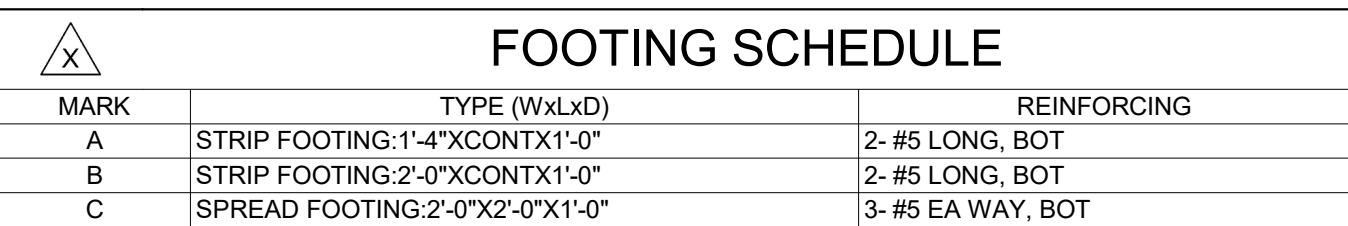


(ILLUSTRATION ABOVE INTENDED TO COVER BASIC FRAMING CRITERIA REQUIRED
AT SHEAR WALLS - SEE PLANS AND DETAILS FOR SPECIFIC CONDITIONS.)



NOTES:

1. SEE STRUCTURAL PLAN NOTATION & PLAN LEVEL WHERE STUDS BEGIN FOR NUMBER OF STUDS REQUIRED WHICH VARY FROM SCHEDULE ABOVE.
2. ALL HEADERS SHALL BE "H1", UNO.





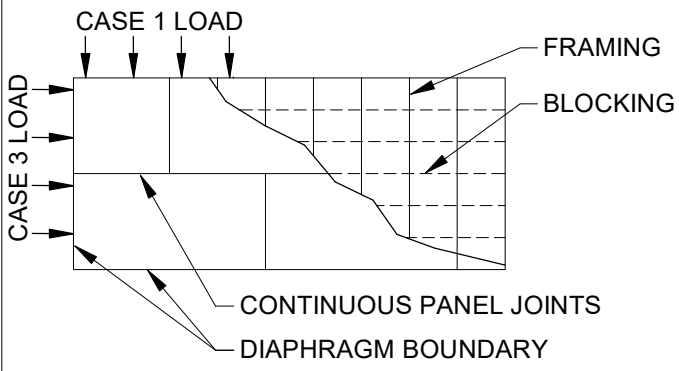
WOOD STRUCTURAL PANEL DIAPHRAGM SCHEDULE

MARK	SHEATHING TYPE & THICKNESS	SPAN RATING	BLOCKING (ALL JOINTS)	MIN BLOCKING SIZE	NAILING		REMARKS
					PANEL EDGE SUPPORTS	INTERMEDIATE SUPPORTS	
WD-1	19/32" T&G SHEATHING	40/20, MIN	NONE	N/A	0.148"Ø @ 6"	0.148"Ø @ 12"	N/A
WD-2	23/32" T&G SHEATHING	48/24, MIN	NONE	N/A	0.148"Ø @ 6"	0.148"Ø @ 12"	GLUE AT ALL SHEATHING SUPPORTED EDGES, BOUNDARIES AND HANGERS
NOTES: 1. LAY PANELS WITH LONG PANEL DIRECTION PERPENDICULAR TO SUPPORTS. STAGGER ALL END JOINTS AND PLACE AS INDICATED IN "CASE 1" AS SHOWN IN DIAGRAM, UNLESS NOTED OTHERWISE ON PLAN SHEETS. 2. NAIL HEADS SHALL NOT PENETRATE BEYOND A FLUSH CONDITION WITH FACE OF SHEATHING. 3. FASTENER ATTACHMENT SHALL MAINTAIN 3/8" MINIMUM EDGE DISTANCE. SEE JOINT NAILING DETAIL SHOWN ON WOOD SHEAR WALL SCHEDULE FOR RECOMMENDED JOINT NAILING INSTALLATION. 4. SEE PLANS FOR WOOD SHEATHING MARK LOCATIONS AND LIMITS. 5. STAGGER ALL END JOINTS 32" MINIMUM. 6. MINIMUM PANEL DIMENSION SHALL BE 24" UNLESS ALL EDGES OF THE UNDERSIZED PANELS ARE SUPPORTED BY AND FASTENED TO FRAMING MEMBERS OR BLOCKING. 7. SHEATHING GRADE REQUIREMENTS SHALL BE PER THE PROJECT SPECIFICATIONS.							

ALLOWABLE UNIT
SHEAR CAPACITY (PLF)

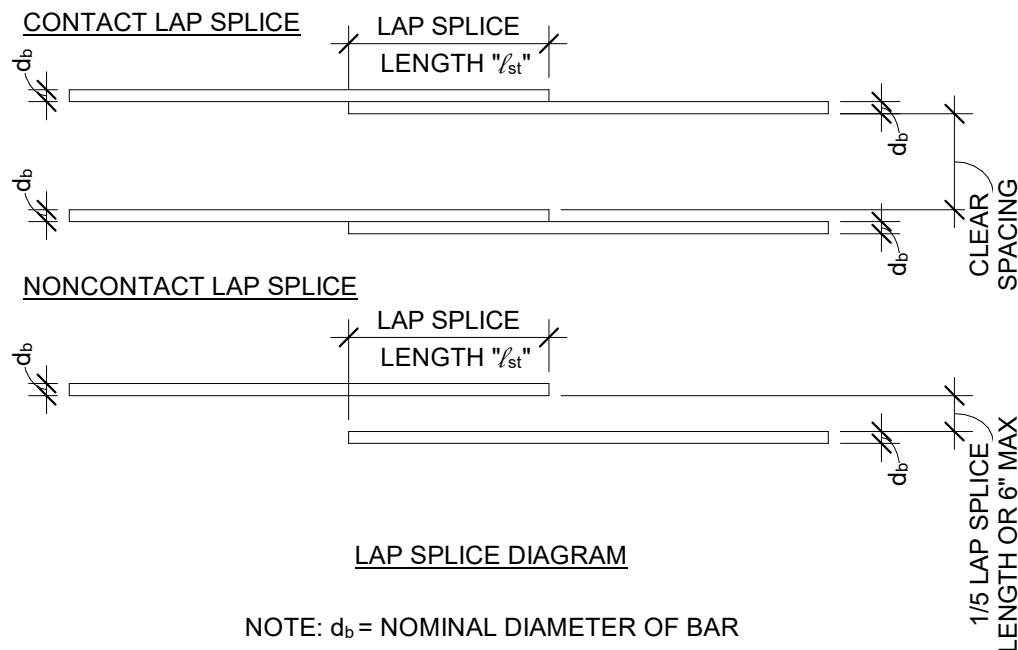
MARK	SEISMIC	WIND
WD-1	180	253
WD-2	214	300

LONG PANEL DIRECTION
PERPENDICULAR TO
SUPPORTS



LAP SPLICE LENGTH OF DEFORMED BARS SCHEDULE

SPECIFIED COMPRESSIVE STRENGTH OF CONCRETE	f _c = 3000 PSI	
	CLASS B	
SPLICE TYPE		
CASTING POSITION	OTHER BARS 7/8"	>12" FRESH CONCRETE PLACED BELOW HORZ BAR 7/8"
BAR SIZE #		
#3	1'-10"	2'-4"
#4	2'-5"	3'-2"
#5	3'-0"	3'-11"
#6	3'-7"	4'-8"
#7	5'-3"	6'-9"
#8	6'-0"	7'-9"
#9	6'-9"	8'-9"
#10	7'-7"	9'-10"
#11	8'-5"	10'-11"



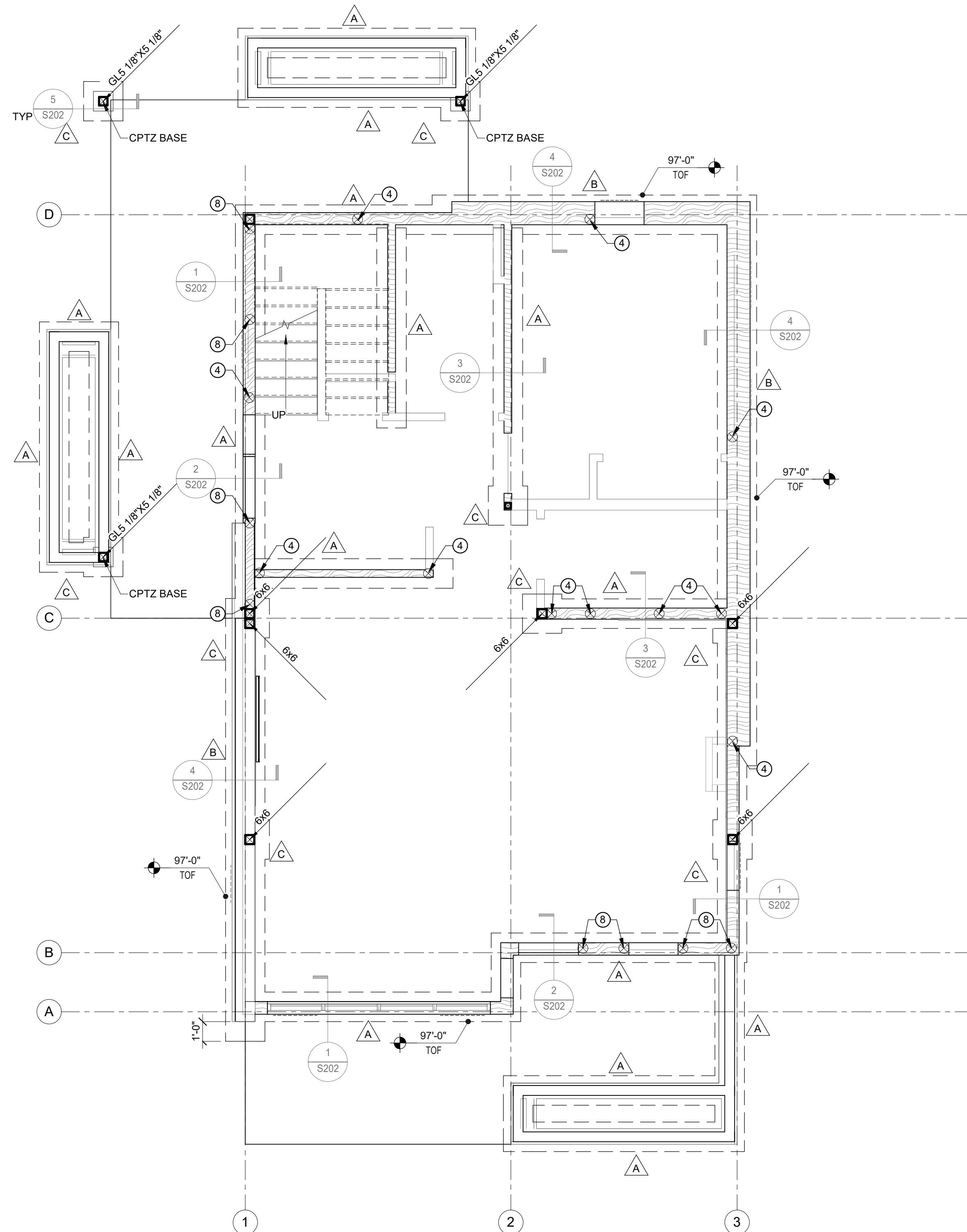
- SCHEDULE NOTES:
- DEVELOPMENT LENGTHS IN SCHEDULE ARE FOR NORMALWEIGHT CONCRETE. WHERE LIGHTWEIGHT CONCRETE IS USED, INCREASE DEVELOPMENT LENGTH BY 33%.
 - DEVELOPMENT LENGTHS IN SCHEDULE ARE FOR UNCOATED OR ZINC-COATED (GALVANIZED) REINFORCEMENT. WHERE EPOXY-COATED OR ZINC AND EPOXY DUAL-COATED REINFORCEMENT IS USED WITH CLEAR COVER LESS THAN 3d_b OR CLEAR SPACING LESS THAN 6d_b, INCREASE DEVELOPMENT LENGTH BY 50%.
 - DEVELOPMENT LENGTHS IN SCHEDULE ARE FOR UNCOATED OR ZINC-COATED (GALVANIZED) REINFORCEMENT. WHERE EPOXY-COATED OR ZINC AND EPOXY DUAL-COATED REINFORCEMENT IS USED FOR ALL OTHER CONDITIONS, INCREASE DEVELOPMENT LENGTH BY 20%.
 - DEVELOPMENT LENGTH INCREASES FOR ITEMS 1-3 ARE CUMULATIVE WHERE MULTIPLE INCREASES ARE REQUIRED.
 - IF BARS OF DIFFERENT SIZE ARE LAP SPLICED IN TENSION, l_{de} SHALL BE THE GREATER OF l_d OF THE LARGER BAR AND l_{de} OF THE SMALLER BAR.
 - d_b = NOMINAL DIAMETER OF BAR.
 - l_{de} = TENSION LAP SPLICE LENGTH.
 - l_d = DEVELOPMENT LENGTH IN TENSION OF DEFORMED BAR.

FOUNDATION PLAN NOTES

- ALL GRID DIMENSIONS ARE LOCATED AT OUTSIDE FACE OF FOUNDATION WALL OR AT CL OF COLUMN.
- PLAN SHEET "CUT" PLANE IS ASSUMED TO OCCUR 48" ABOVE FLOOR/SLAB LEVEL.
- COORDINATE FOUNDATION WALL PENETRATION SIZE AND LOCATIONS WITH OTHER TRADE(S).
- COORDINATE ALL REQUIRED SLEEVES FOR WATER, SEWER, STORM, ELECTRICAL, CABLE, AND IRRIGATION.
- SEE 1/S201 FOR UNDER FOOTING PIPE OR CONDUIT PASSAGE.
- SEE ARCHITECTURAL AND CIVIL DRAWINGS FOR PERIMETER FOUNDATION DRAIN.
- BLOCK OUT TOP OF FOUNDATION WALL AT ALL EXTERIOR DOORWAYS FOR SLAB POUR IN ACCORDANCE WITH DETAIL 2/S202 . COORDINATE LOCATION OF DOORWAYS WITH ARCHITECTURAL PLANS.
- REFERENCE ARCHITECTURAL/PLUMBING PLANS FOR FLOOR DRAIN LOCATIONS AND SLOPED SLAB LIMITS.
- TOP OF INTERIOR CONCRETE FOOTING ELEVATION = 100'-0", UNO.
- UNDER SLAB VAPOR RETARDER:
 - IF SLAB SUBGRADE PROTECTED FROM WEATHER, LOCATE VAPOR RETARDER UNDER DRAINAGE COURSE - PREFERRED.
 - IF SLAB SUBGRADE IS NOT PROTECTED FROM WEATHER, LOCATE VAPOR RETARDER ON TOP OF DRAINAGE COURSE (DIRECTLY BENEATH SLAB), AND SUBSEQUENT PRE-CONSTRUCTION MEETING SHOULD TAKE PLACE TO DISCUSS LIKELY SLAB CURLING ISSUE.
- REFER TO ARCH FOR RIGID INSULATION UNDER SLAB-ON-GRADE.
- REFER TO MECHANICAL DRAWINGS FOR VERTICAL LOCATION OF RADIANT FLOOR TUBES IN RELATION TO SLAB REINFORCING.

STRUCTURAL PLAN NOTATION

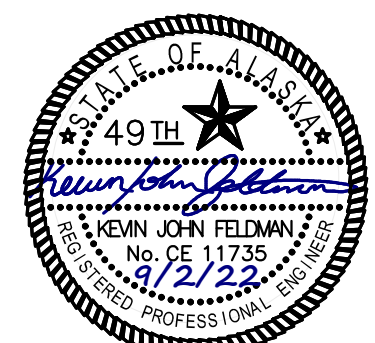
	INDICATES TOP OF CONCRETE PIER/PILASTER ELEVATION.
	INDICATES TOP OF CONCRETE SLAB ELEVATION.
	INDICATES TOP OF CONCRETE WALL ELEVATION.
	INDICATES TOP OF FOOTING ELEVATION.
	INDICATES FOOTING TYPE. SEE SCHEDULE ON SHEET S004.
	INDICATES STRUCTURAL WOOD COLUMN.
	INDICATES ELEVATION STEP.
	INDICATES STEP IN FOOTING ELEVATION. FTG STEP SEE DETAIL 9/S201 .
	INDICATES WOOD STRUCTURAL STUD WALL, SEE SCHEDULE.
	INDICATES DECKING SPAN DIRECTION.
	INDICATES DOWN SLOPING DIRECTION.
	INDICATES DECKING PENETRATION.



1 FOUNDATION PLAN
S101 1/4" = 1'-0"



SEARHC WORKFORCE HOUSING
1064 ZIMOVIA HIGHWAY, WRANGELL, AK 99929
SINGLE FAMILY TWO STORY (SHED ROOF)



© 2025 | ALL RIGHTS RESERVED

CONSTRUCTION
DOCUMENTS

08.29.2025
PROJ# | SEARHC_WRNGLWFH
DESIGNED BY | MENGSTU
DRAWN BY | KLONNE
REVIEWED BY | FELDMAN
REVISIONS

FOUNDATION PLAN

S101

LATERAL PLAN NOTES

- 1. ALL GRID DIMENSIONS ARE LOCATED AT OUTSIDE FACE OF FOUNDATION WALL OR AT CL OF COLUMN.
- 2. PLAN SHEET "CUT" PLANE IS ASSUMED TO OCCUR 48" ABOVE FLOOR/SLAB LEVEL.

STRUCTURAL PLAN NOTATION

- INDICATES WOOD STRUCTURAL STUD WALL.
- INDICATES SHEAR WALL, SEE SCHEDULE ON SHEET S004.
- INDICATES HOLD-DOWN CONNECTION LOCATION.
- INDICATES HOLD-DOWN TYPE REQD. SEE SCHEDULE SHEET S004.

Cushing
Terrell

cushingterrell.com
800.757.9522

SEARHC WORKFORCE HOUSING
1064 ZIMOVIA HIGHWAY, WRANGELL, AK 99929
SINGLE FAMILY TWO STORY (SHED ROOF)



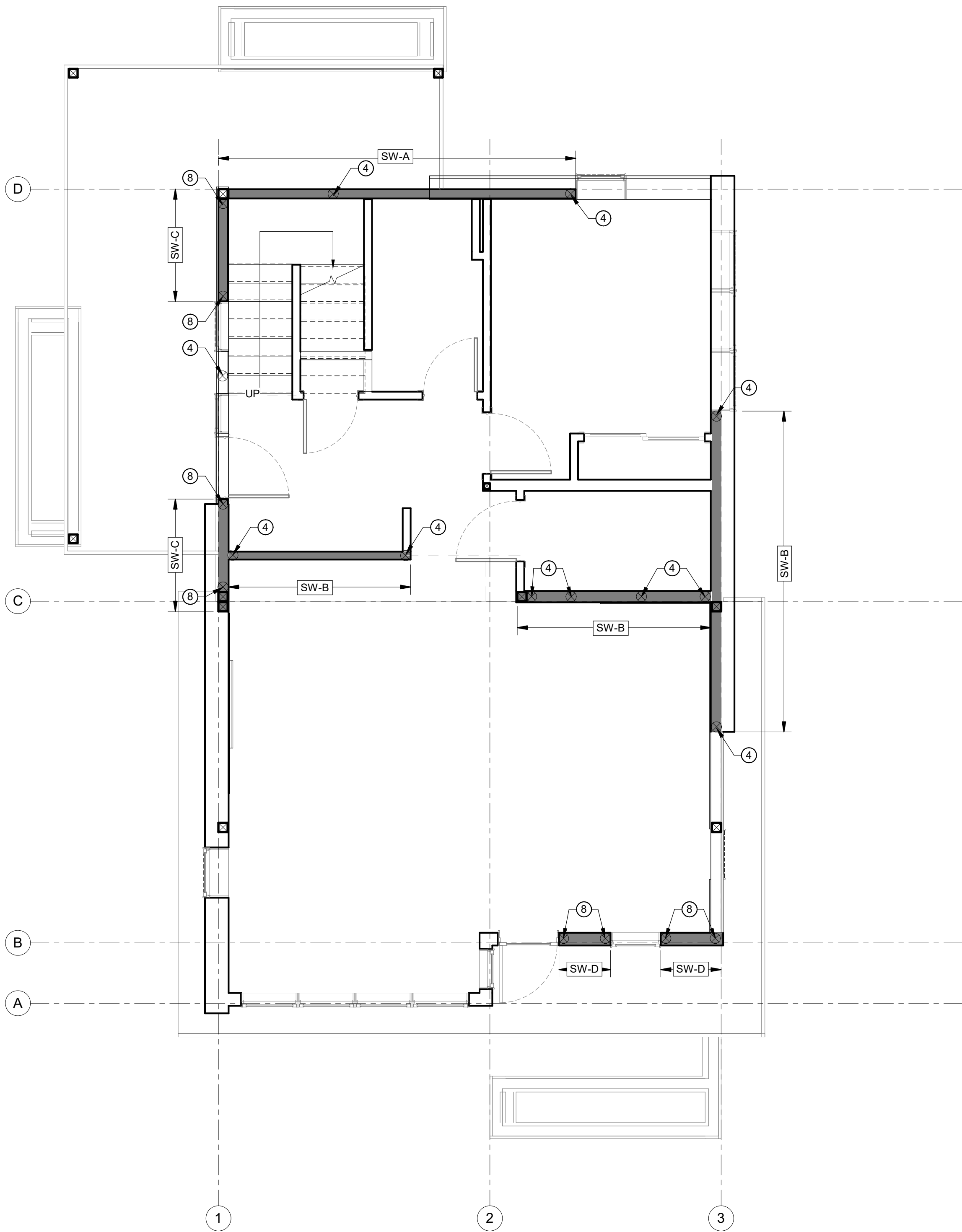
© 2025 | ALL RIGHTS RESERVED

CONSTRUCTION
DOCUMENTS

08.29.2025
PROJ# | SEARHC_WRNGLWFH
DESIGNED BY | MENGSTU
DRAWN BY | KLONNE
REVIEWED BY | FELDMAN
REVISIONS

MAIN LEVEL LATERAL
PLAN

SL101



1
SL101
MAIN LEVEL LATERAL PLAN
1/4" = 1'-0"

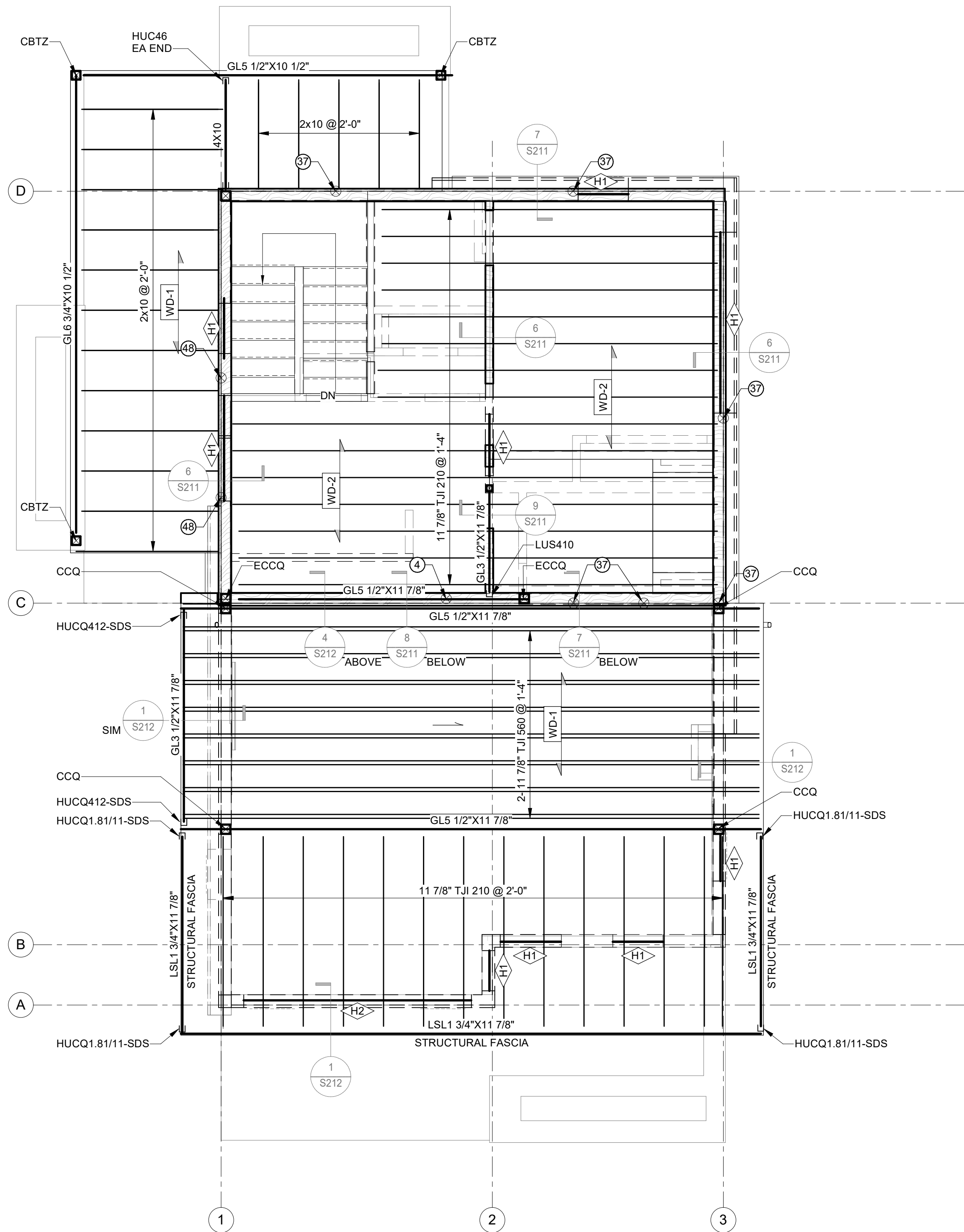
FRAMING PLAN NOTES

1. ALL GRID DIMENSIONS ARE LOCATED AT OUTSIDE FACE OF FOUNDATION WALL OR AT CL OF COLUMN.
2. PLAN SHEET "CUT" PLANE IS ASSUMED TO OCCUR 48" ABOVE FLOOR/ROOF LEVEL.
3. BEAMS ARE EQUALLY SPACED BETWEEN COLUMNS UNLESS DIMENSIONED.
4. SEE STRUCTURAL GENERAL NOTES SECTION "B" FOR DESIGN LOADS REQUIRED.
5. REFERENCE OTHER DISCIPLINES INDICATING SUSPENDED EQUIPMENT FOR SPECIFIC PLAN LOCATION, LOADING AND CONNECTION DETAILS TO PRIMARY STRUCTURAL FRAMING.
6. SEE SHEETS005 SCHEDULE FOR DIAPHRAGM ATTACHMENT REQUIRED AND DECKING/SHEATHING PROPERTIES.

STRUCTURAL PLAN NOTATION

- XXX'-X" TOSH
INDICATES TOP OF SHEATHING ELEVATION.
- 7'X7"
INDICATES STRUCTURAL WOOD COLUMN.
- HX
INDICATES HEADER TYPE, SEE SCHEDULE ON SHEET ----.
- INDICATES ELEVATION STEP.
- WX
INDICATES WOOD STRUCTURAL STUD WALL, SEE SCHEDULE.
- INDICATES DOWN SLOPING DIRECTION.
- MD-X
INDICATES DECKING (SHEATHING) REQUIRED AND SPAN DIRECTION. SEE SCHEDULE ON SHEET ----.
- INDICATES BEARING WALL BELOW.
- INDICATES DECKING PENETRATION.

- BEAM NOTES:** HSS?X?X? OR W?X? [XX] C=? (XXX'-X")
- [XX]
INDICATES NUMBER OF 3/4"DIA X 3 1/2" HAS REQD ON BEAM. SEE ADJACENT DETAIL & NOTES FOR INSTALLATION REQUIREMENTS.
- C=?
INDICATES MIDSPAN CAMBER, AS REQD.
- (XXX'-X")
INDICATES TOP OF BEAM ELEVATION. (XXX'-X"), UNLESS NOTED OTHERWISE.
- BEAM NOTES:** GL?X? C=? (XXX'-X")
- GL?X?
INDICATES GLUED-LAMINATED BEAM SIZE.
- PSL?X?
INDICATES PARALLEL STRAND LUMBER SIZE.
- LVL?X?
INDICATES LAMINATED VENEER LUMBER SIZE.
- C=?
INDICATES CAMBER REQUIRED IN BEAM. (SEE SPEC'S)
- (XXX'-X")
INDICATES TOP OF BEAM ELEVATION.



1 SECOND LEVEL AND LOW ROOF FRAMING PLAN
S102 1/4" = 1'-0"



SEARHC WORKFORCE HOUSING
1064 ZIMOVIA HIGHWAY, WRANGELL, AK 99929
SINGLE FAMILY TWO STORY (SHED ROOF)



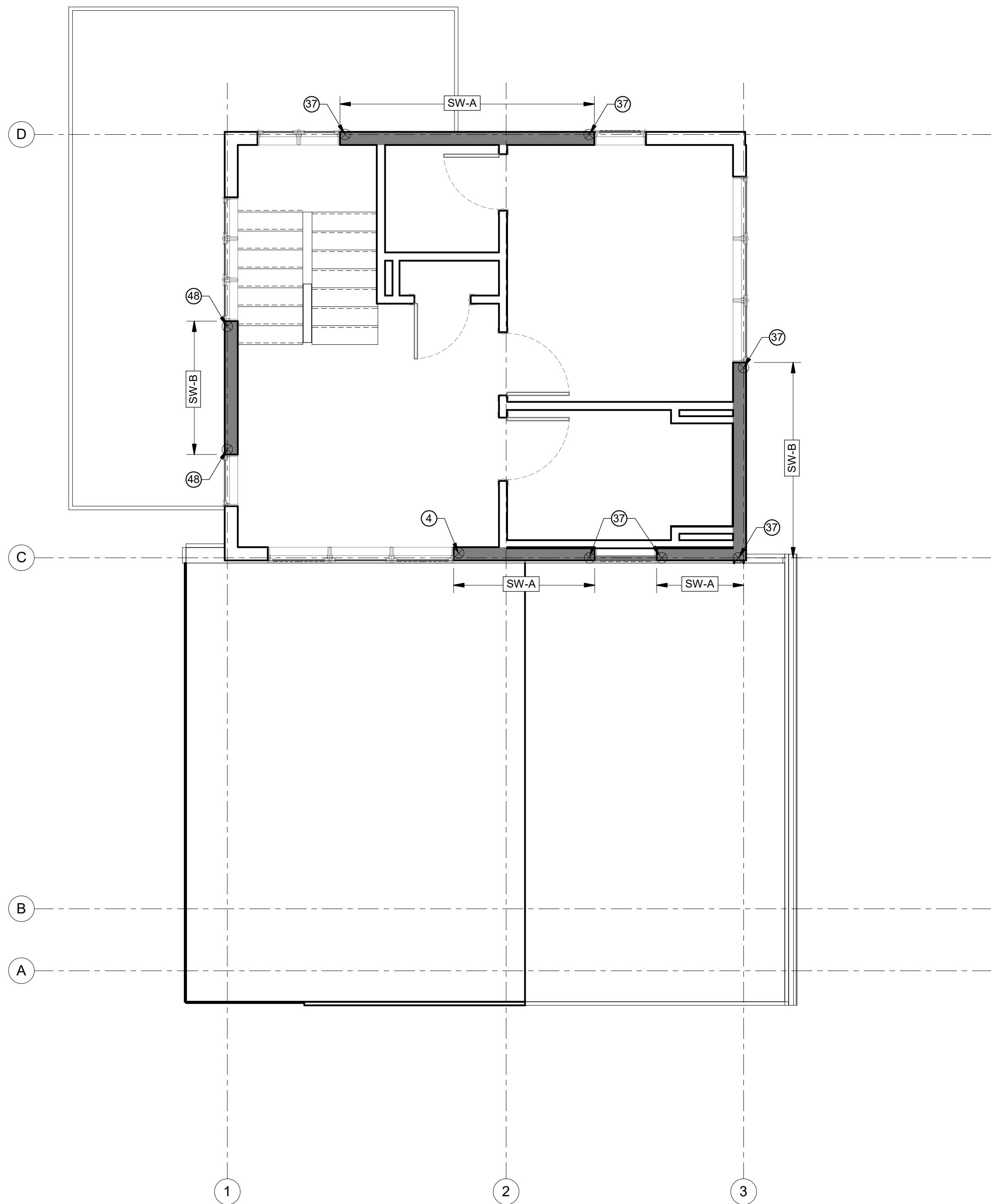
© 2025 | ALL RIGHTS RESERVED

CONSTRUCTION
DOCUMENTS

08.29.2025
PROJ# | SEARHC_WRNGLWFH
DESIGNED BY | MENGSTU
DRAWN BY | KLONNE
REVIEWED BY | FELDMAN
REVISIONS

SECOND LEVEL AND
LOW ROOF FRAMING
PLAN

S102



1
SL102
SECOND LEVEL LATERAL PLAN
1/4" = 1'-0"



LATERAL PLAN NOTES

1. ALL GRID DIMENSIONS ARE LOCATED AT OUTSIDE FACE OF FOUNDATION WALL OR AT CL OF COLUMN.
2. PLAN SHEET "CUT" PLANE IS ASSUMED TO OCCUR 48" ABOVE FLOOR/SLAB LEVEL.

STRUCTURAL PLAN NOTATION

- INDICATES WOOD STRUCTURAL STUD WALL.
- INDICATES SHEAR WALL, SEE SCHEDULE ON SHEET S004.
- INDICATES HOLD-DOWN CONNECTION LOCATION.
- INDICATES HOLD-DOWN TYPE REQD. SEE SCHEDULE SHEET S004.



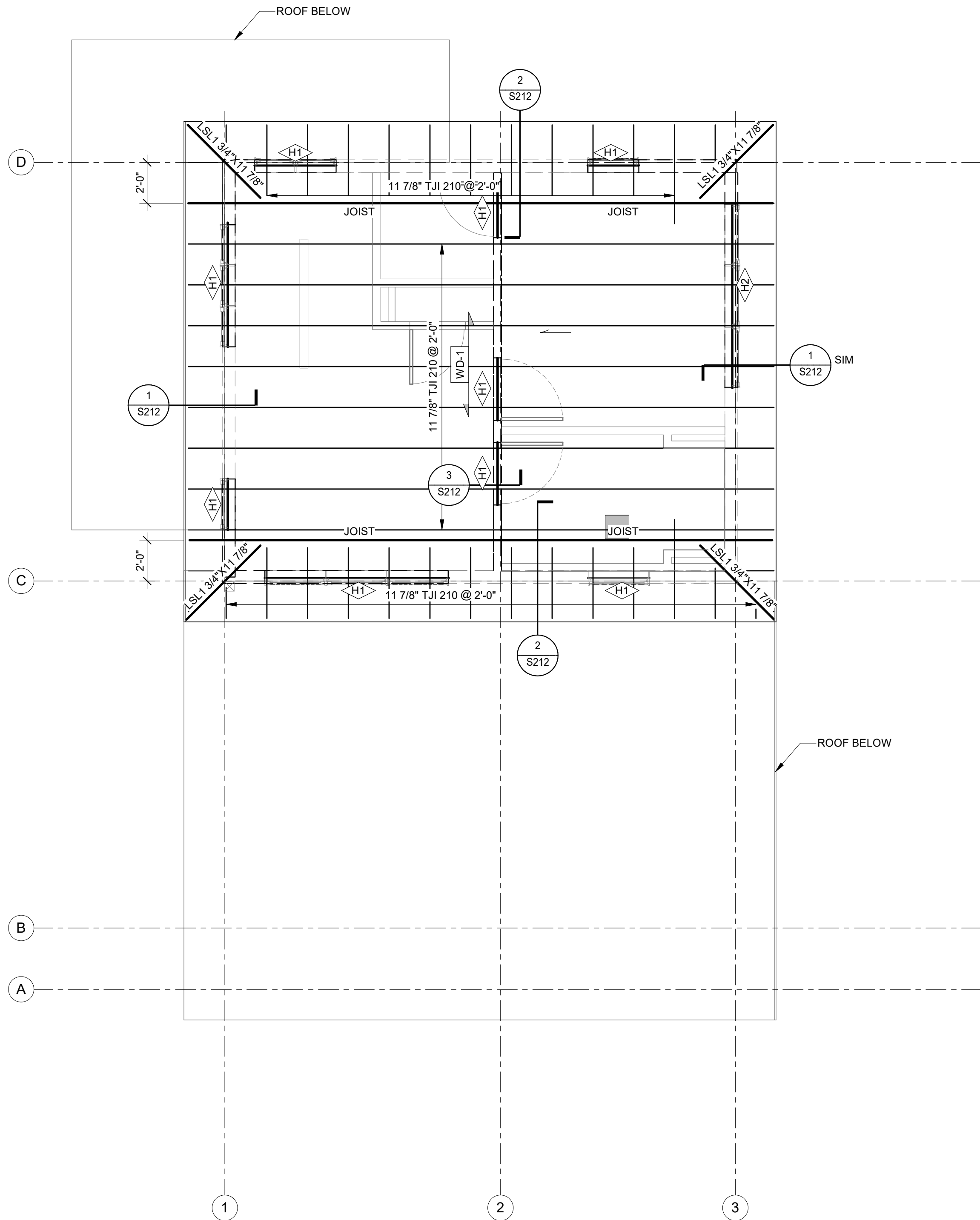
ROOF FRAMING PLAN NOTES

1. ALL GRID DIMENSIONS ARE LOCATED AT OUTSIDE FACE OF FOUNDATION WALL OR AT CL OF COLUMN.
2. PLAN SHEET "CUT" PLANE IS ASSUMED TO OCCUR 48" ABOVE FLOOR/ROOF LEVEL.
3. BEAMS ARE EQUALLY SPACED BETWEEN COLUMNS UNLESS DIMENSIONED.
4. SEE STRUCTURAL GENERAL NOTES SECTION "B" FOR DESIGN LOADS REQUIRED.
5. REFERENCE OTHER DISCIPLINES INDICATING SUSPENDED EQUIPMENT FOR SPECIFIC PLAN LOCATION, LOADING AND CONNECTION DETAILS TO PRIMARY STRUCTURAL FRAMING.
6. SEE SHEET S004 FOR WOOD HEADER SCHEDULE.
7. SEE SHEET S005 SCHEDULE FOR DIAPHRAGM ATTACHMENT REQUIRED AND DECKING/SHEATHING PROPERTIES.
8. USE SIMPSON SDPW DEFLECTOR SCREWS TO ATTACH TOP OF INTERIOR NON-LOAD BEARING WALLS TO UNDERSIDE OF ROOF RAFTERS.

STRUCTURAL PLAN NOTATION

- INDICATES JOIST BEARING ELEVATION.
- INDICATES TOP OF WOOD BEAM/GLUED LAMINATED TIMBER ELEVATION.
- INDICATES TOP OF WOOD/LIGHT GAGE WALL ELEVATION.
- INDICATES STRUCTURAL WOOD COLUMN.
- INDICATES HEADER TYPE, SEE SCHEDULE ON SHEETS004.
- INDICATES ELEVATION STEP.
- INDICATES WOOD STRUCTURAL STUD WALL, SEE SCHEDULE.
- INDICATES DOWN SLOPING DIRECTION.
- INDICATES DECKING (SHEATHING) REQUIRED AND SPAN DIRECTION. SEE SCHEDULE ON SHEETS005.
- INDICATES BEARING WALL BELOW.
- INDICATES DECKING PENETRATION.

BEAM NOTES:	GL?X? C=? (XXX'-X")
GL?X?	INDICATES GLUED-LAMINATED BEAM SIZE.
PSL?X?	INDICATES PARALLEL STRAND LUMBER SIZE.
LVL?X?	INDICATES LAMINATED VENEER LUMBER SIZE.
C=?	INDICATES CAMBER REQUIRED IN BEAM. (SEE SPEC'S)
(XXX'-X")	INDICATES TOP OF BEAM ELEVATION.



1 UPPER ROOF FRAMING PLAN
S103 1/4" = 1'-0"



SEARHC WORKFORCE HOUSING
1064 ZIMOVIA HIGHWAY, WRANGELL, AK 99929
SINGLE FAMILY TWO STORY (SHED ROOF)



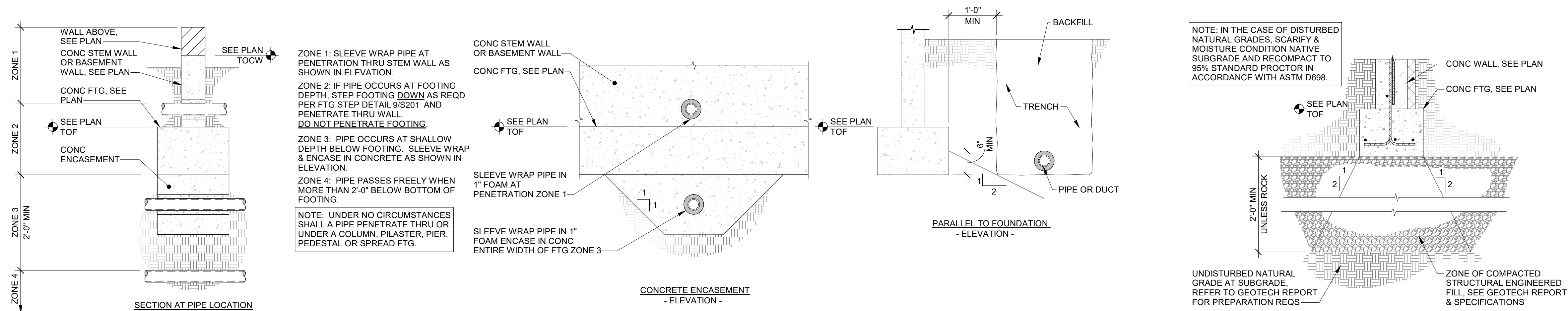
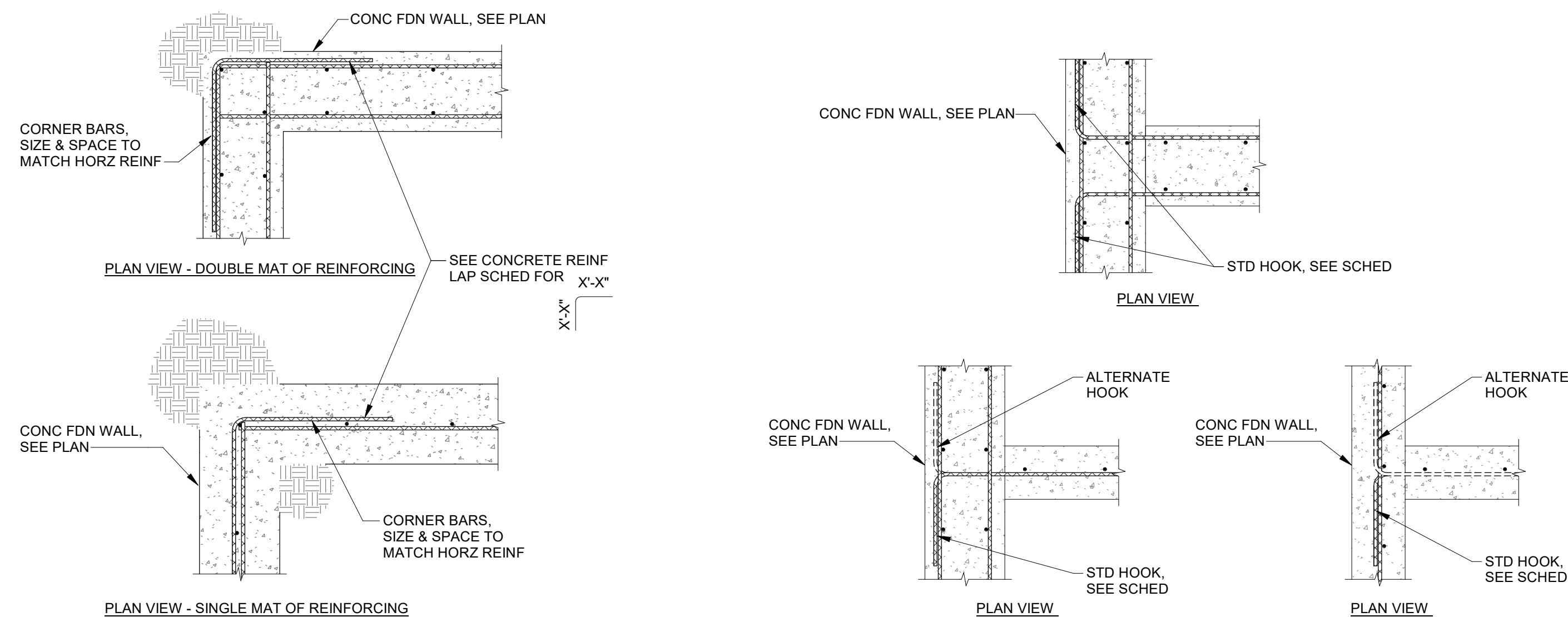
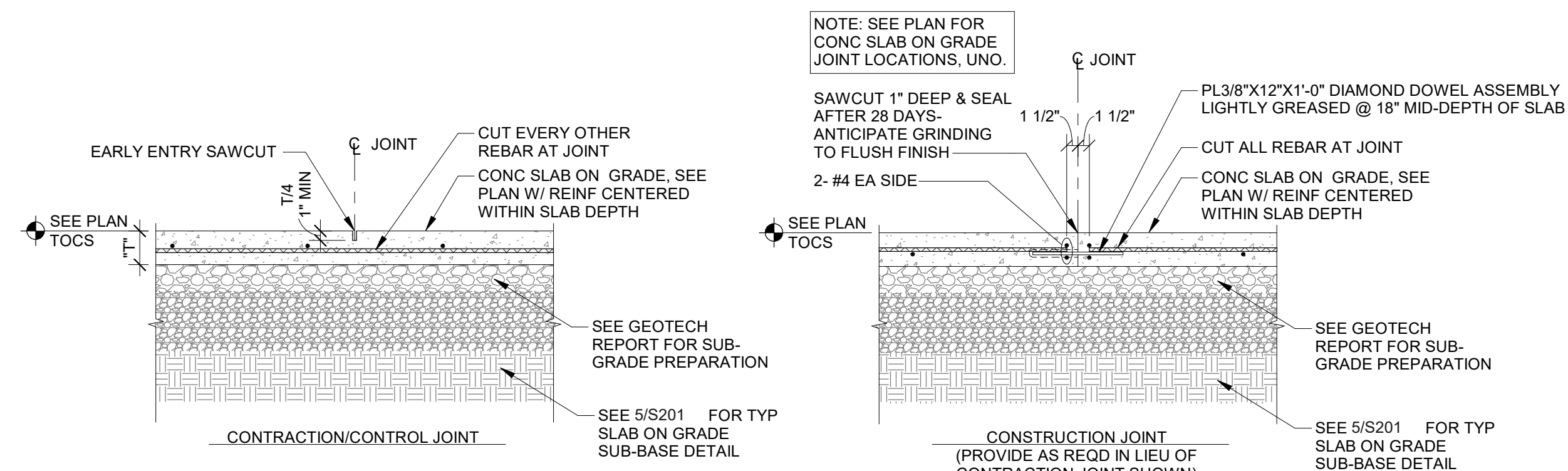
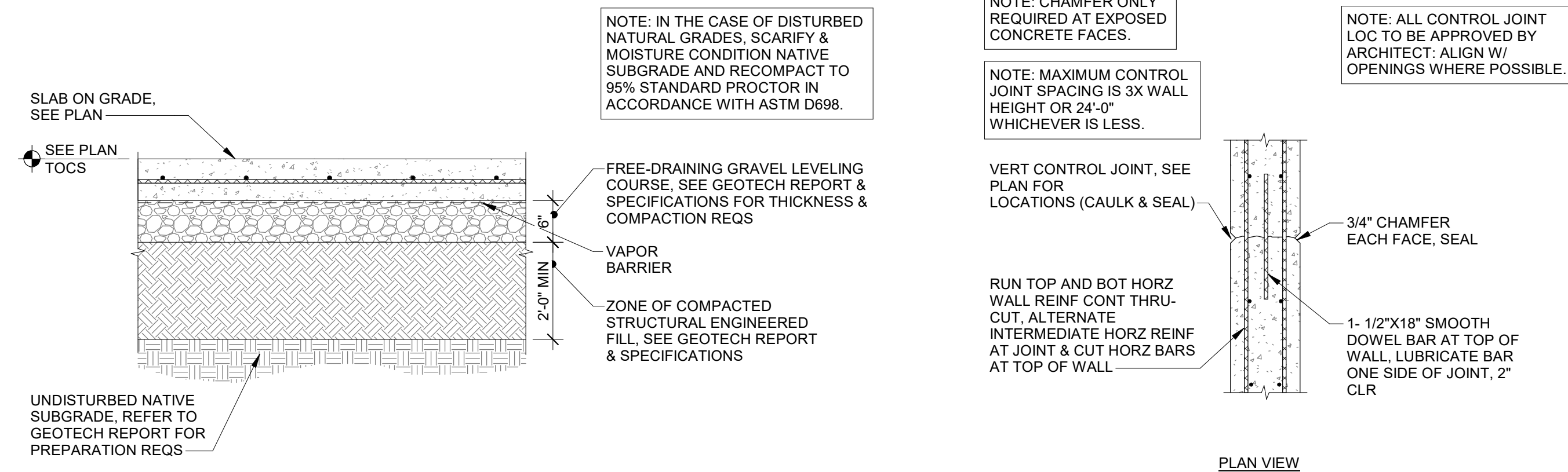
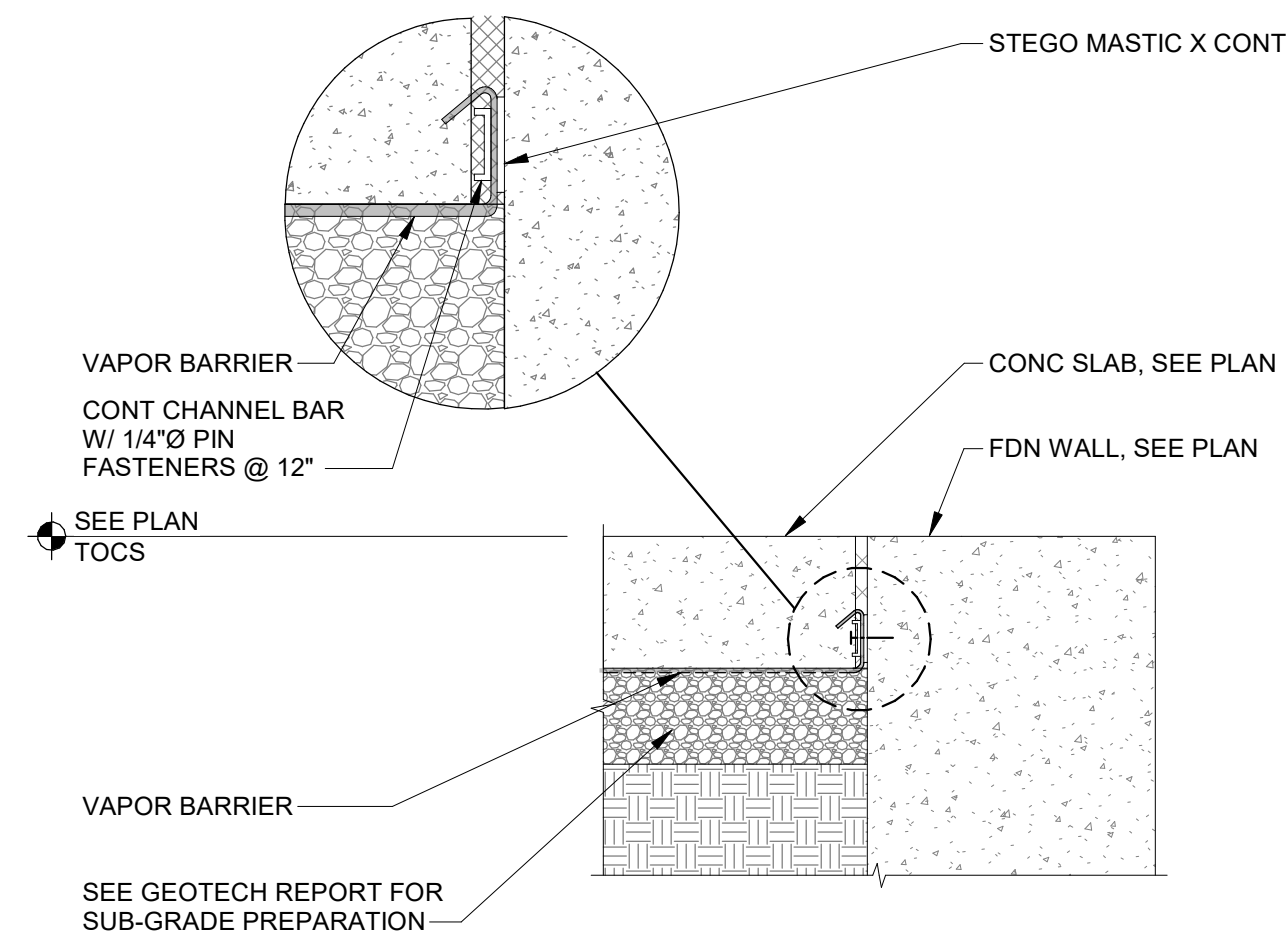
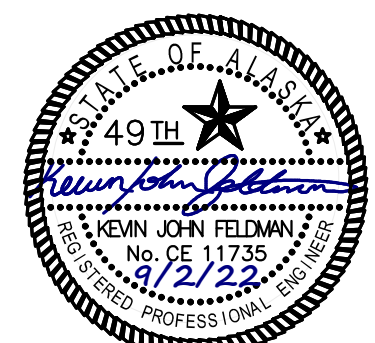
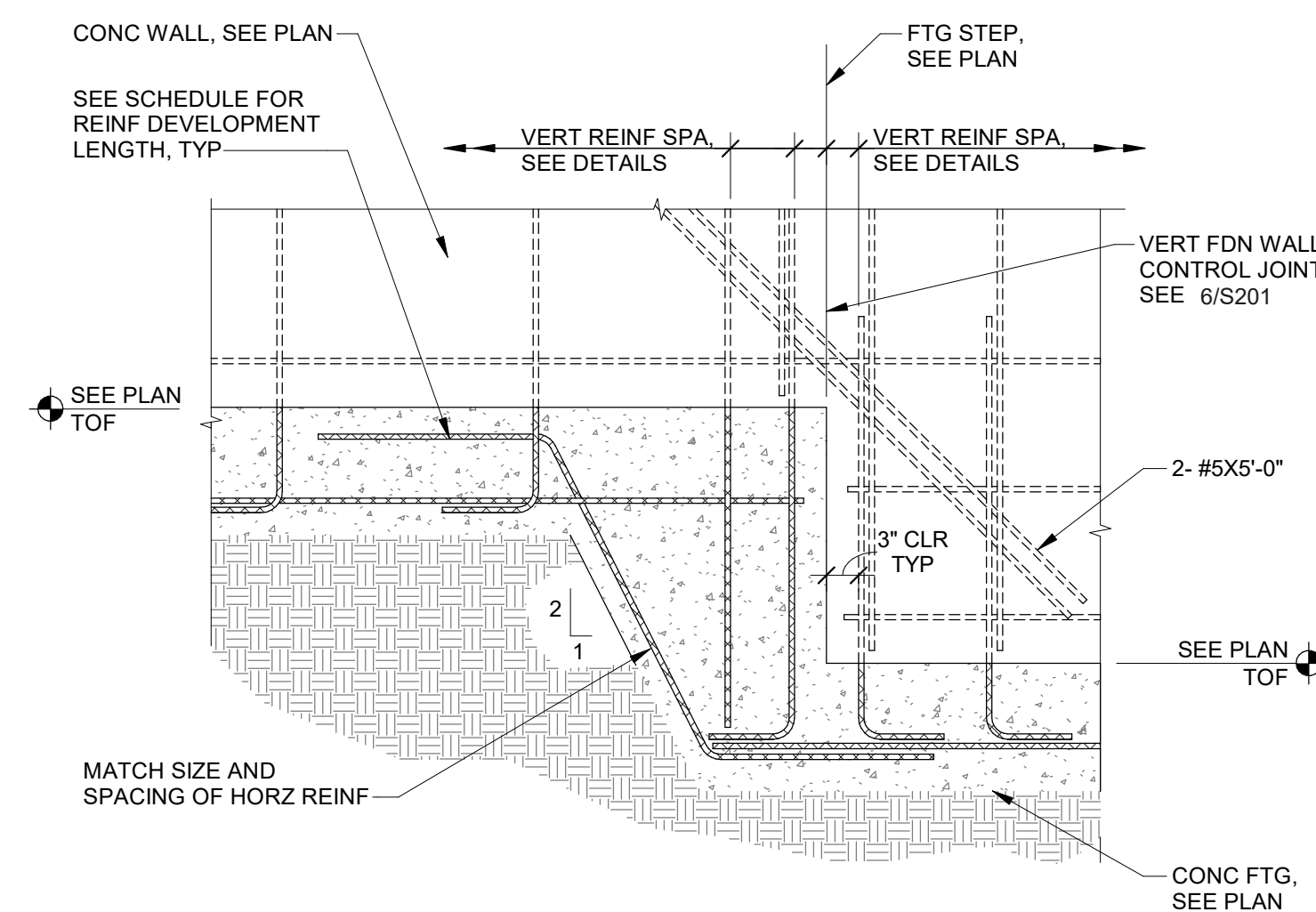
© 2025 | ALL RIGHTS RESERVED

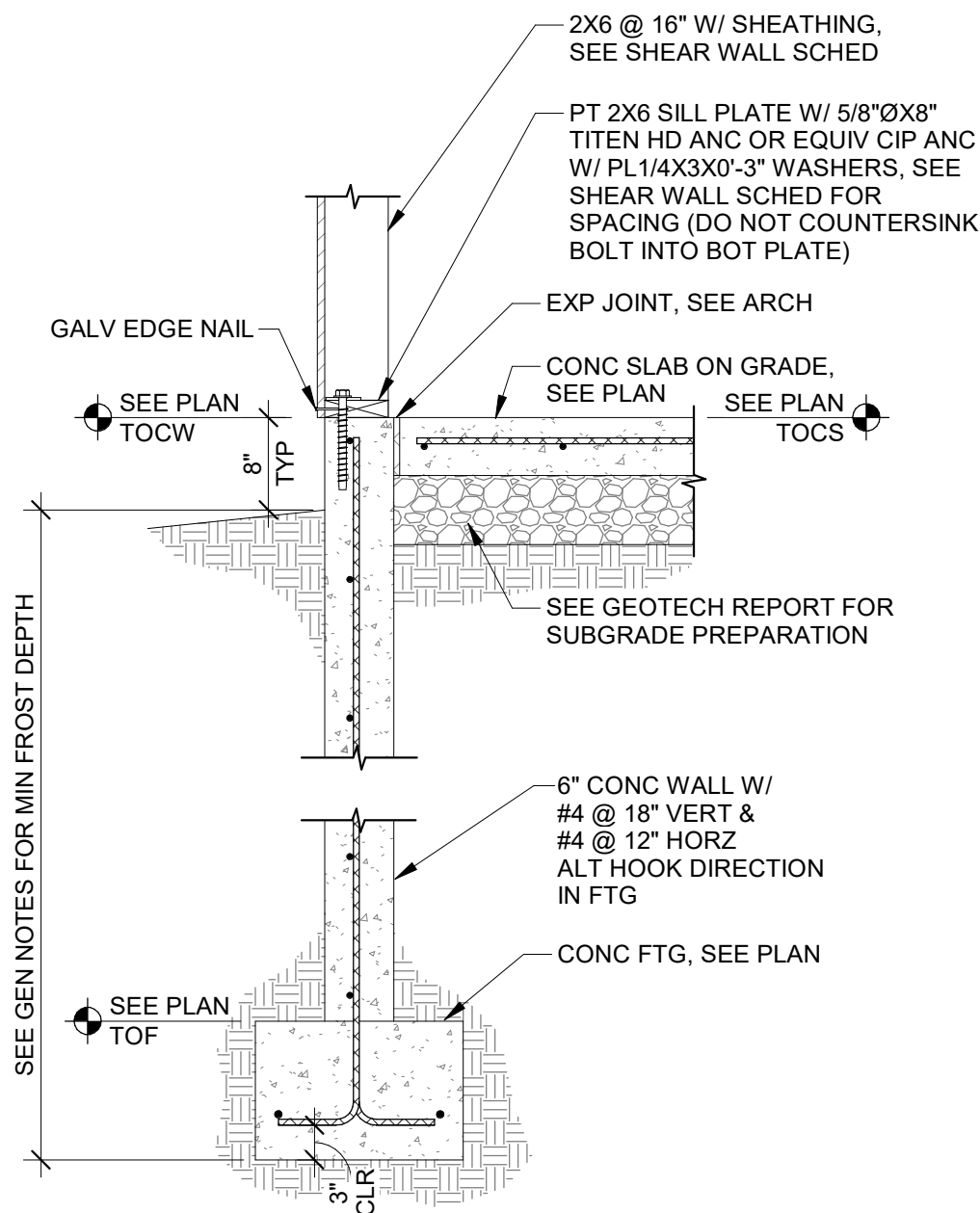
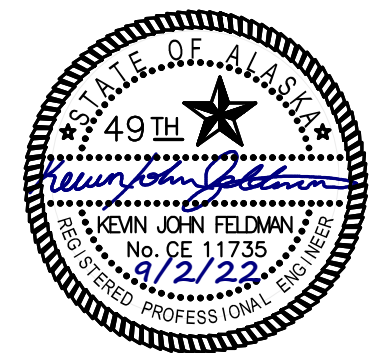
CONSTRUCTION
DOCUMENTS

08.29.2025
PROJ# | SEARHC_WRNGLWFH
DESIGNED BY | MENGSTU
DRAWN BY | KLONNE
REVIEWED BY | FELDMAN
REVISIONS

UPPER ROOF
FRAMING PLAN

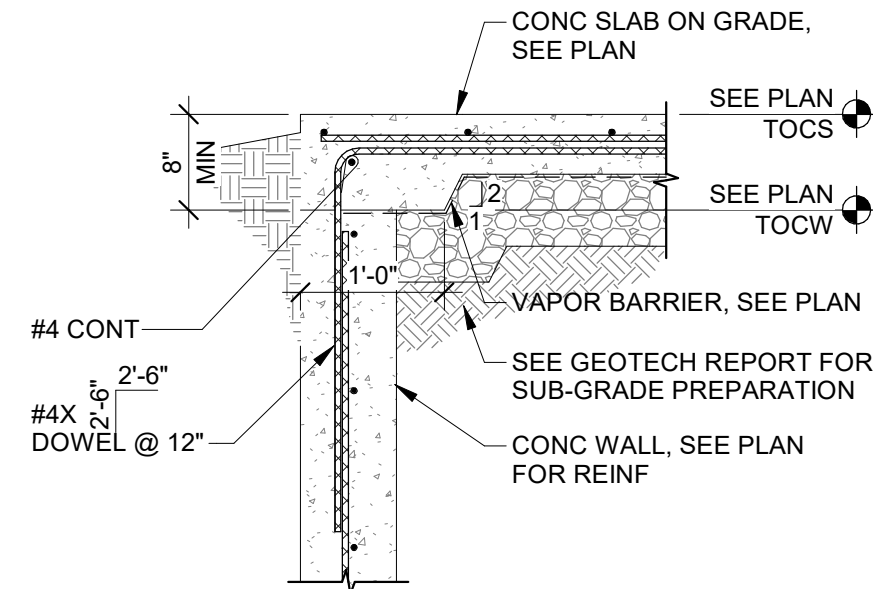
S103

**2 FOOTING SUB-BASE & SUBGRADE DETAIL**
3/4" = 1'-0"**4 REINFORCING IN FDN WALL INTERSECTION**
3/4" = 1'-0"**8 CONC SLAB VAPOR BARRIER TO CONC WALL**
1 1/2" = 1'-0"**9 FOOTING STEP DETAIL**
3/4" = 1'-0"



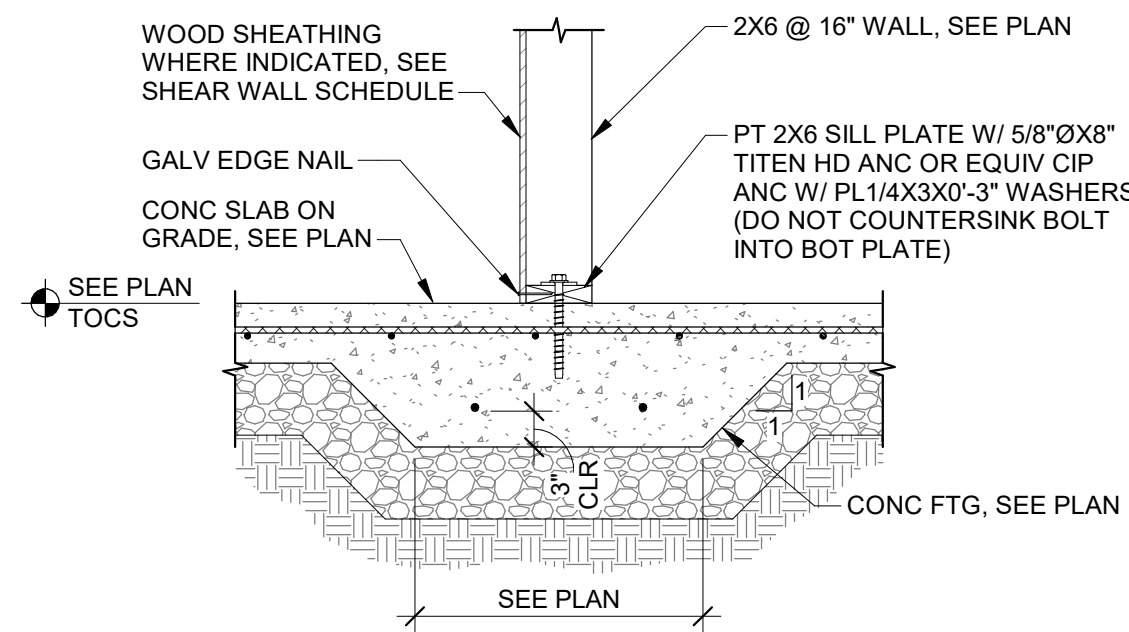
1
S202
3/4" = 1'-0"

SLAB BLOCKOUT AT STEM WALL



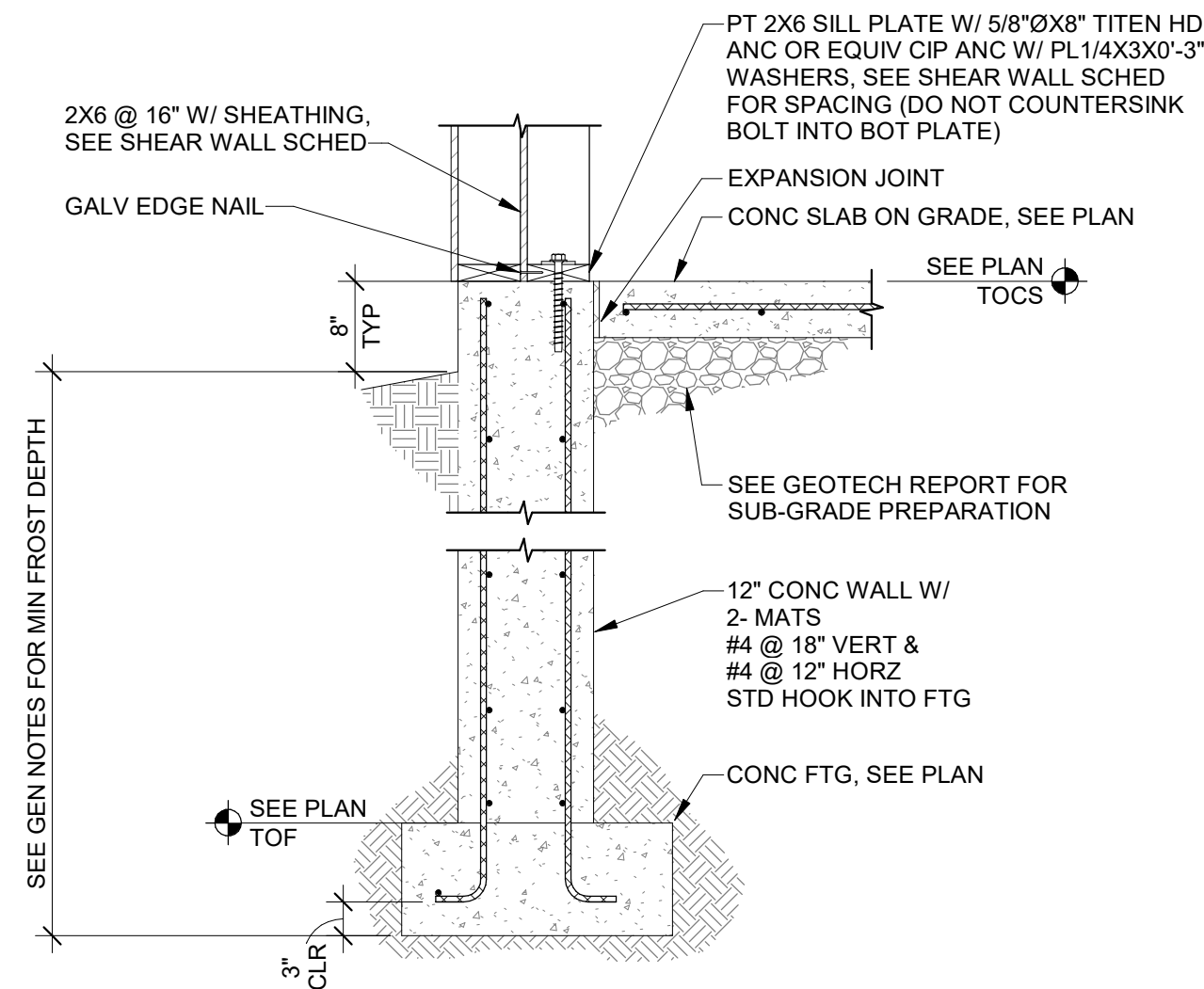
2
S202
3/4" = 1'-0"

**CONC SLAB
POUR OVER AT WALL OPENING**



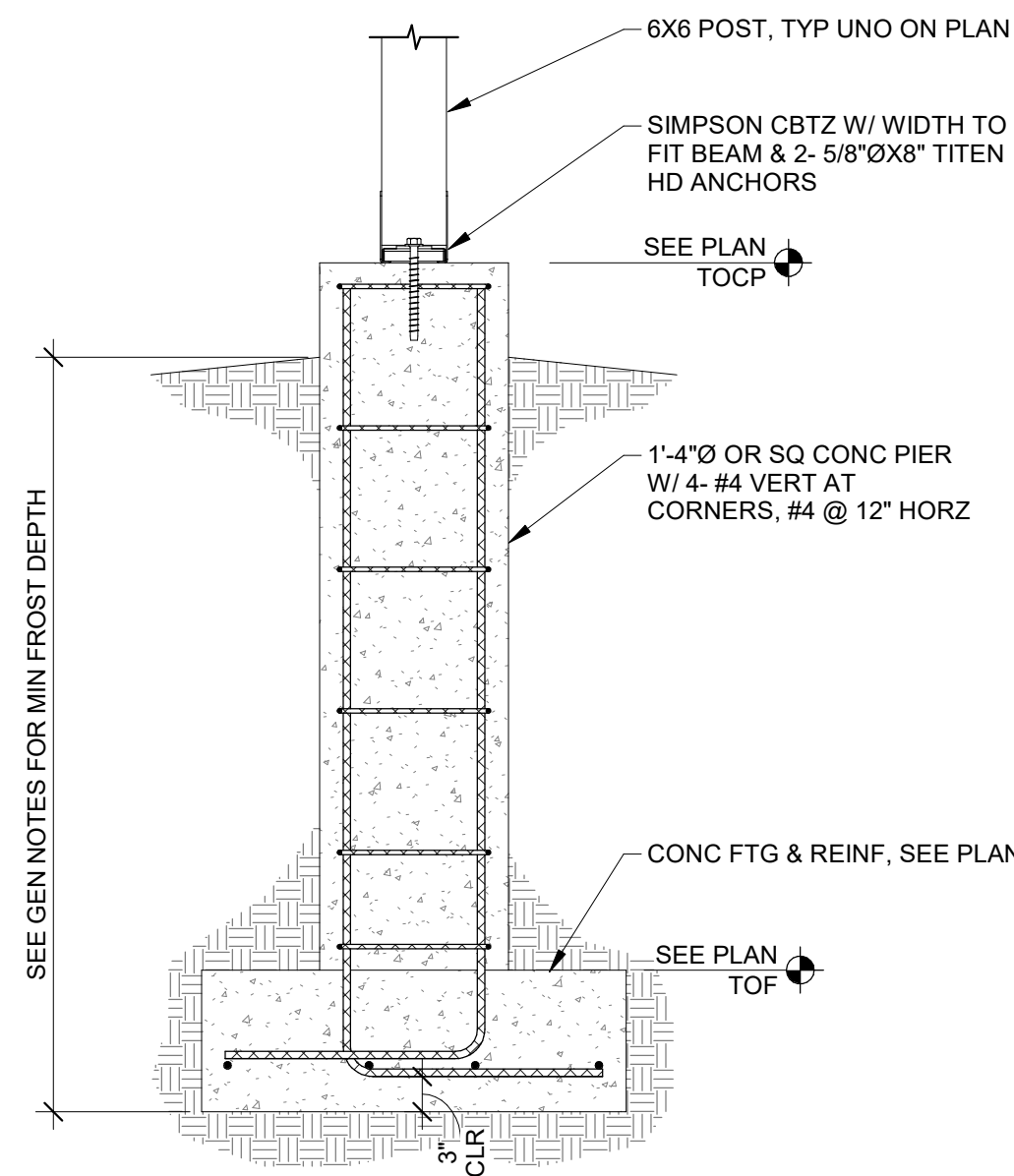
3
S202
3/4" = 1'-0"

THICKENED SLAB FTG



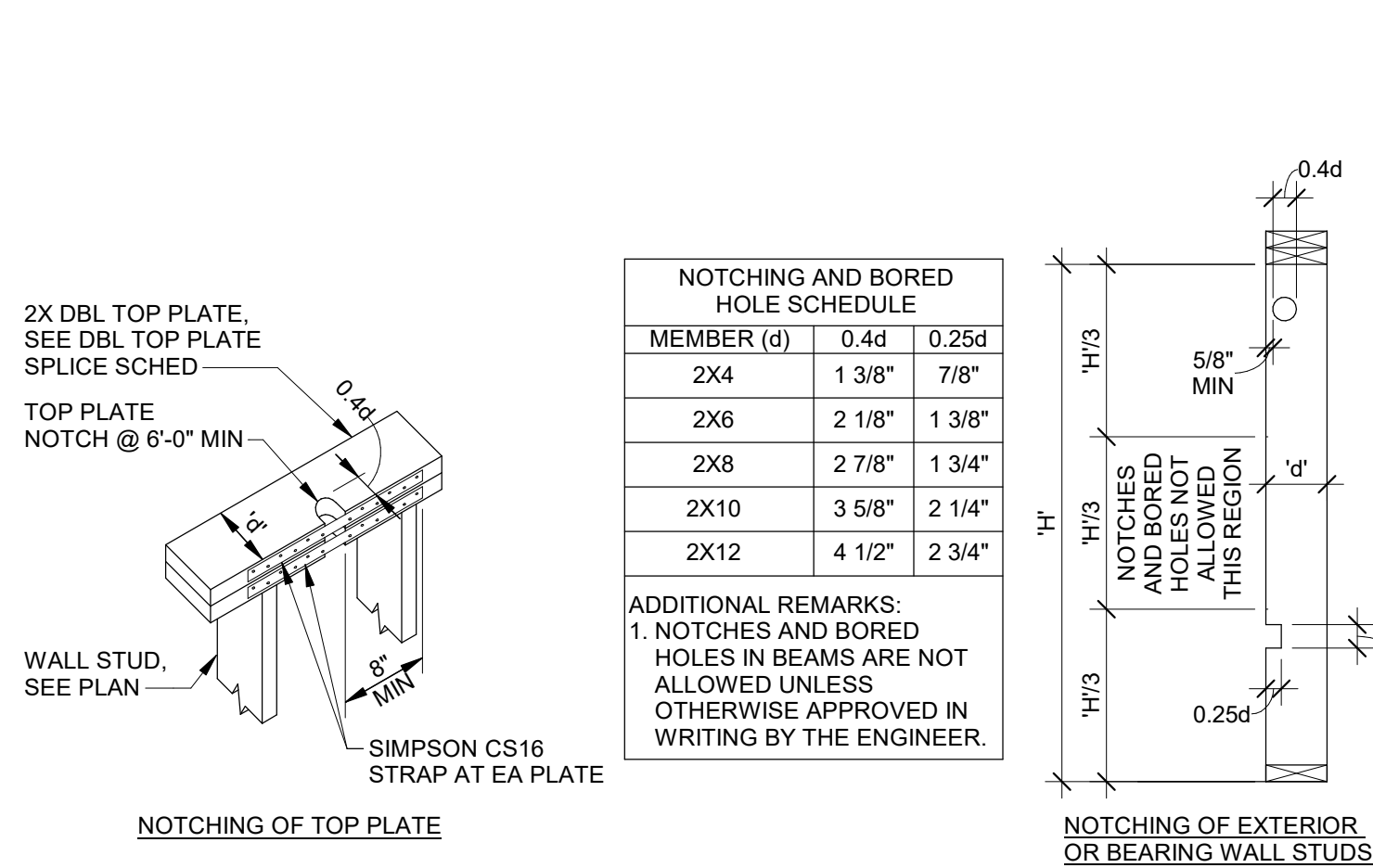
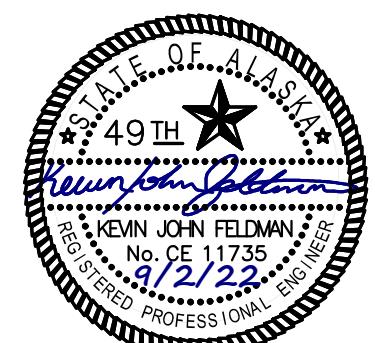
4
S202
3/4" = 1'-0"

DOUBLE WALL AT STEM WALL

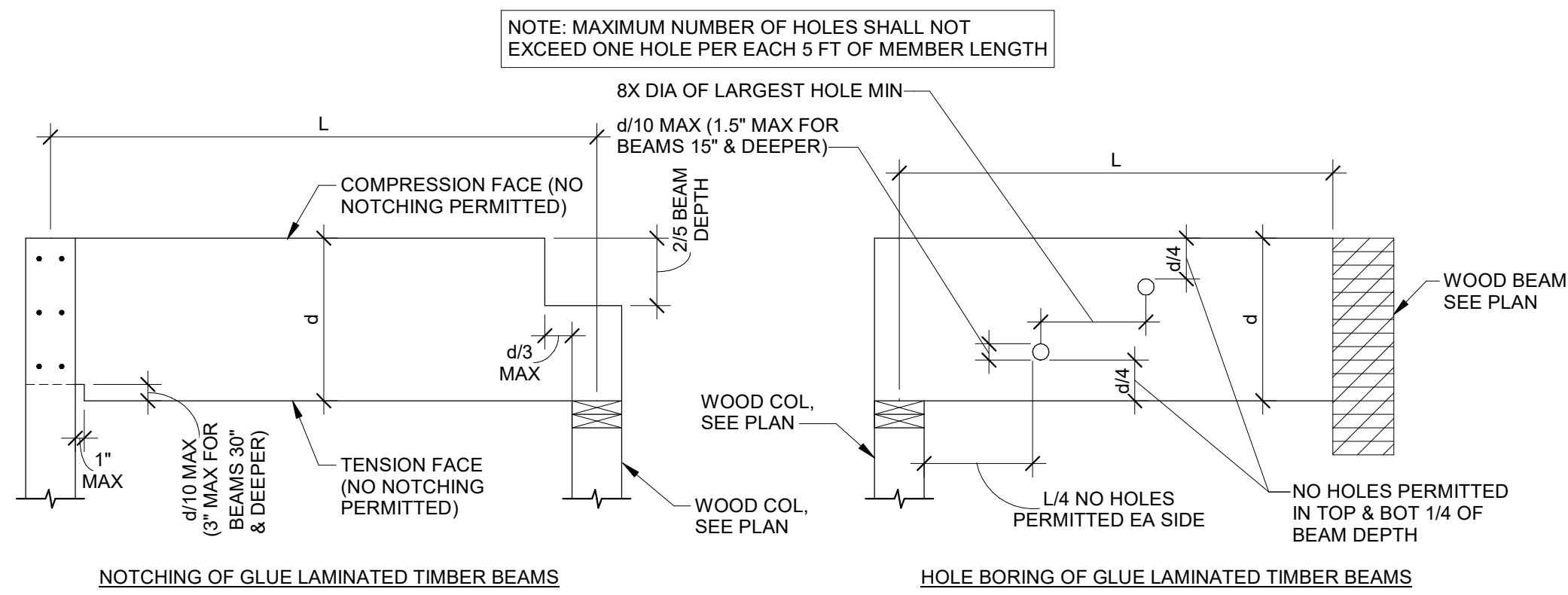


5
S202
3/4" = 1'-0"

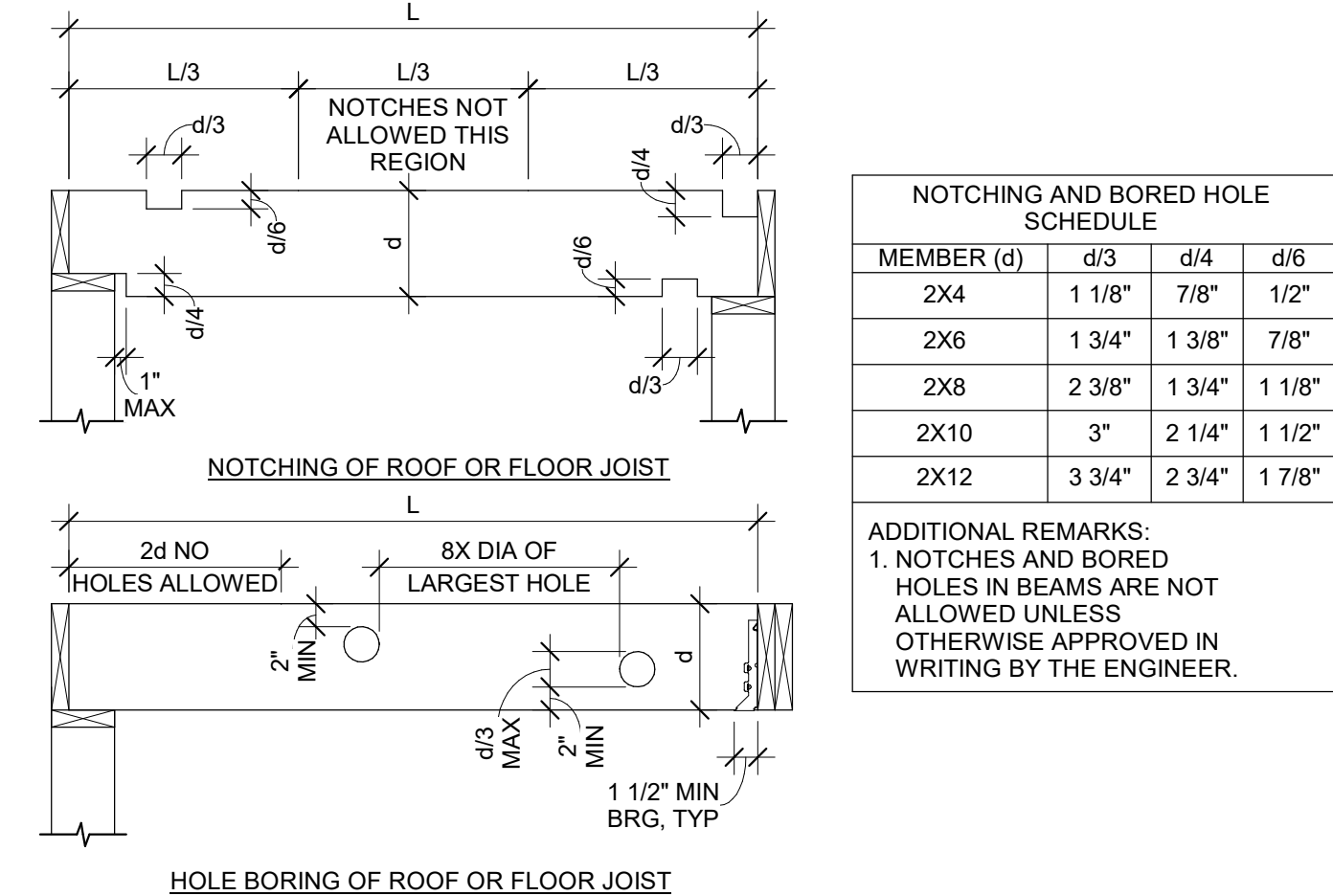
WOOD POST AT CONCRETE PIER



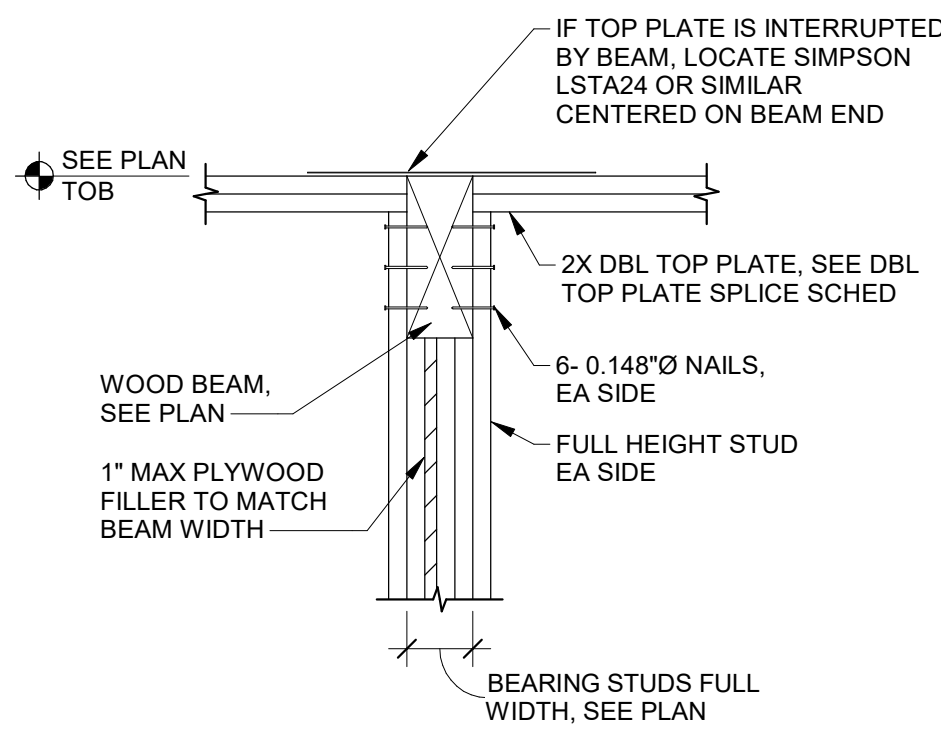
1 ALLOWABLE PENETRATIONS IN WOOD STUD FRAMING
S211 3/4" = 1'-0"



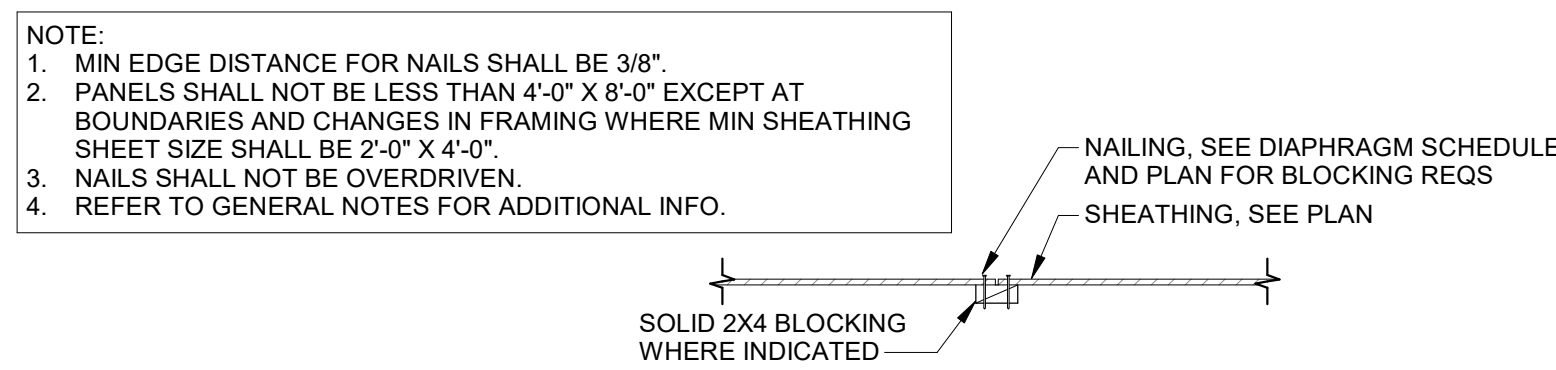
2 ALLOWABLE PENETRATIONS IN GLUE LAMINATED TIMBER BEAMS
S211 3/4" = 1'-0"



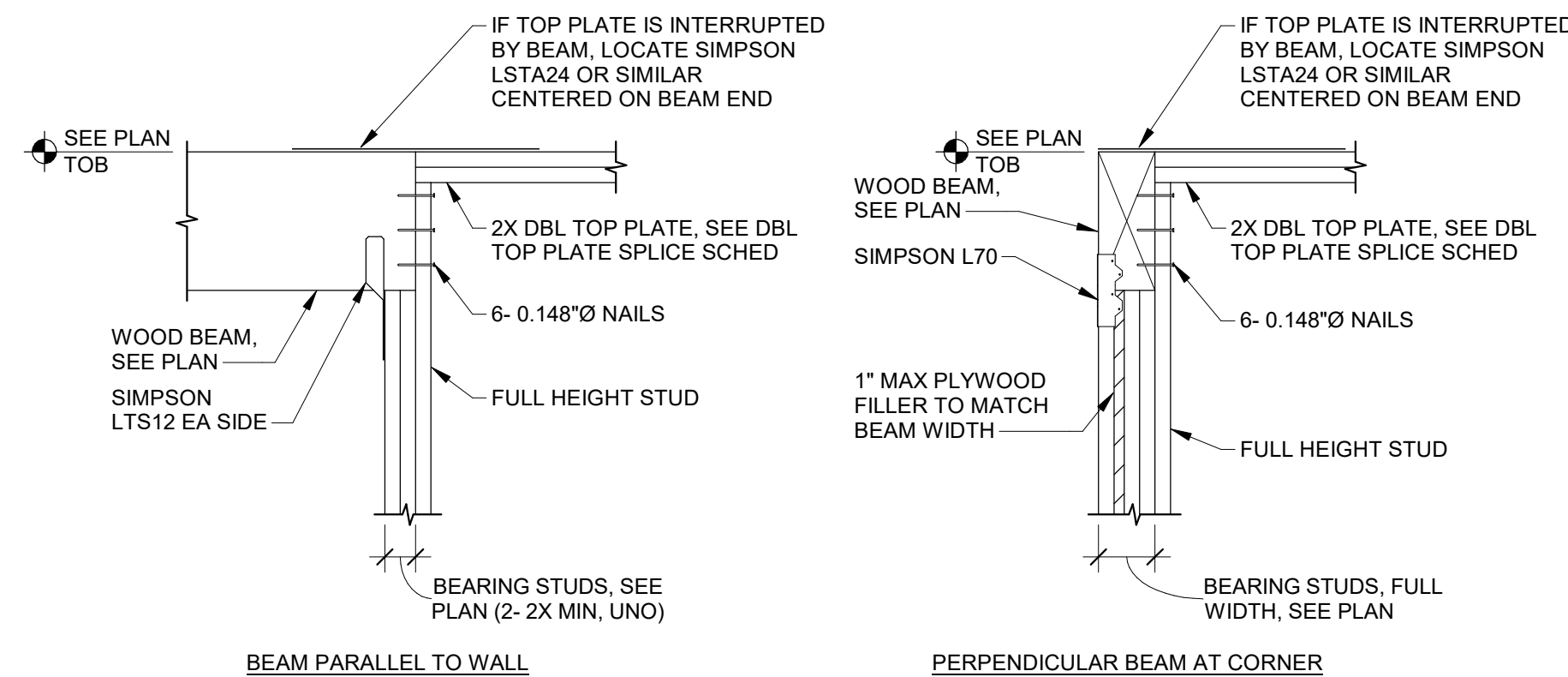
3 ALLOWABLE PENETRATIONS IN SAWN LUMBER JOISTS
S211 3/4" = 1'-0"



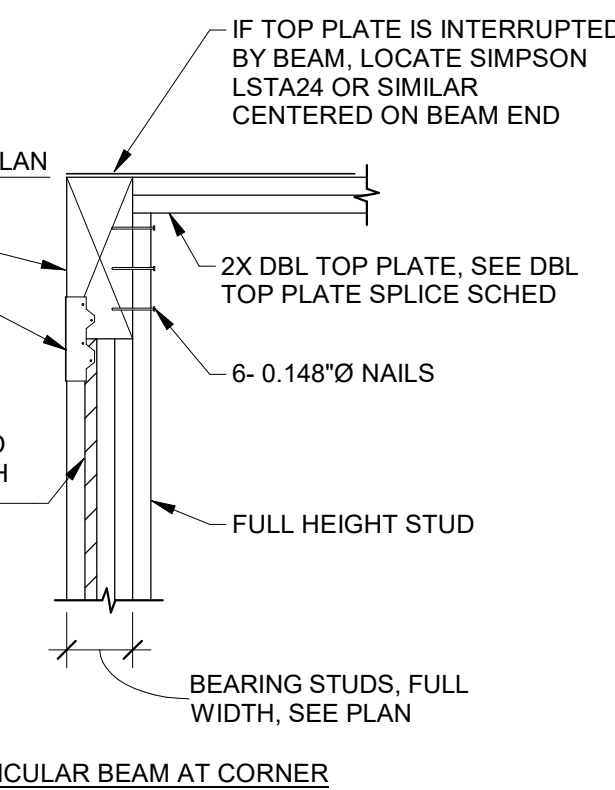
4 TYP BEAM POCKET
S211 3/4" = 1'-0"



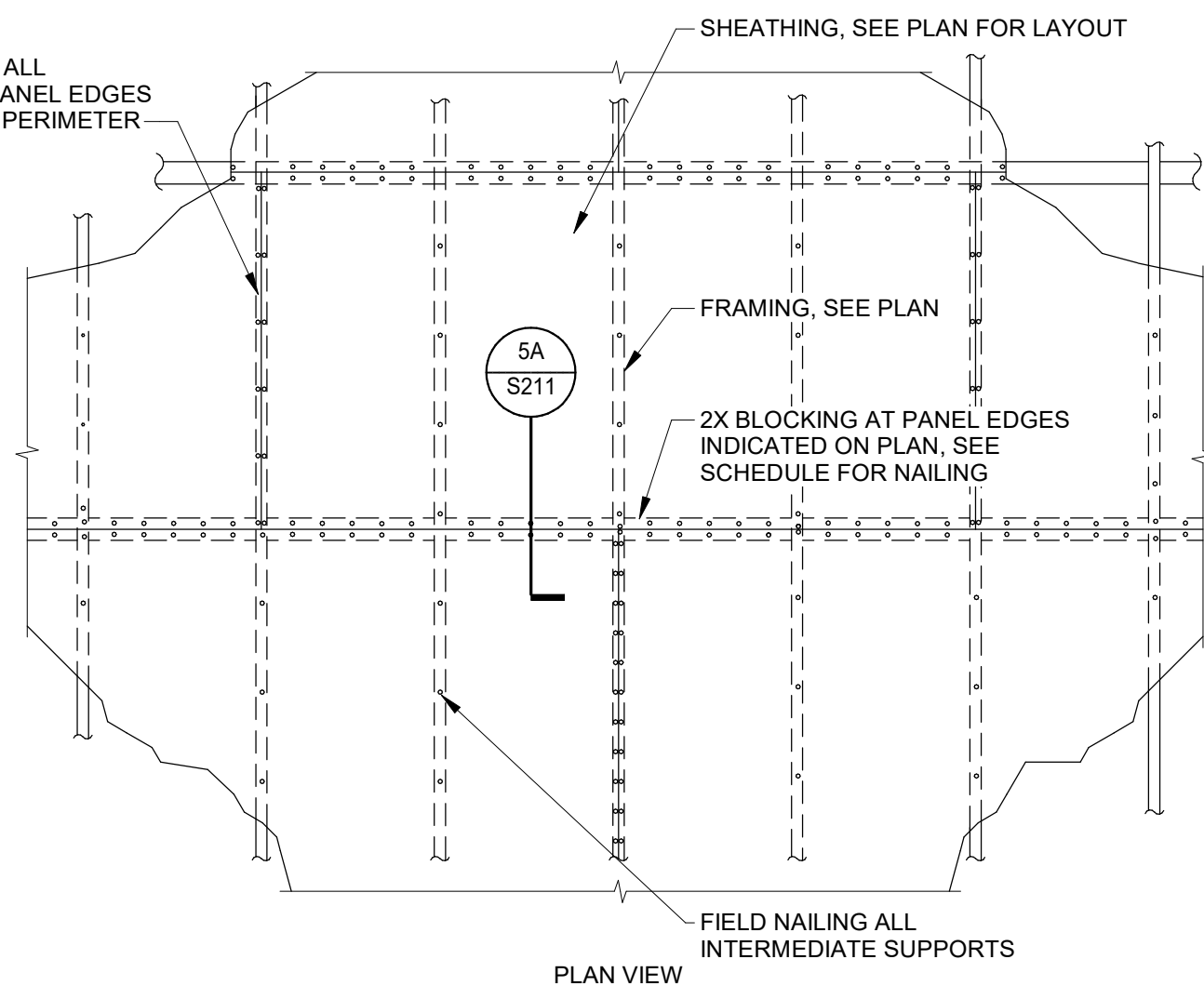
5 DIAPHRAGM SHEATHING ATTACHMENT
S211 3/4" = 1'-0"



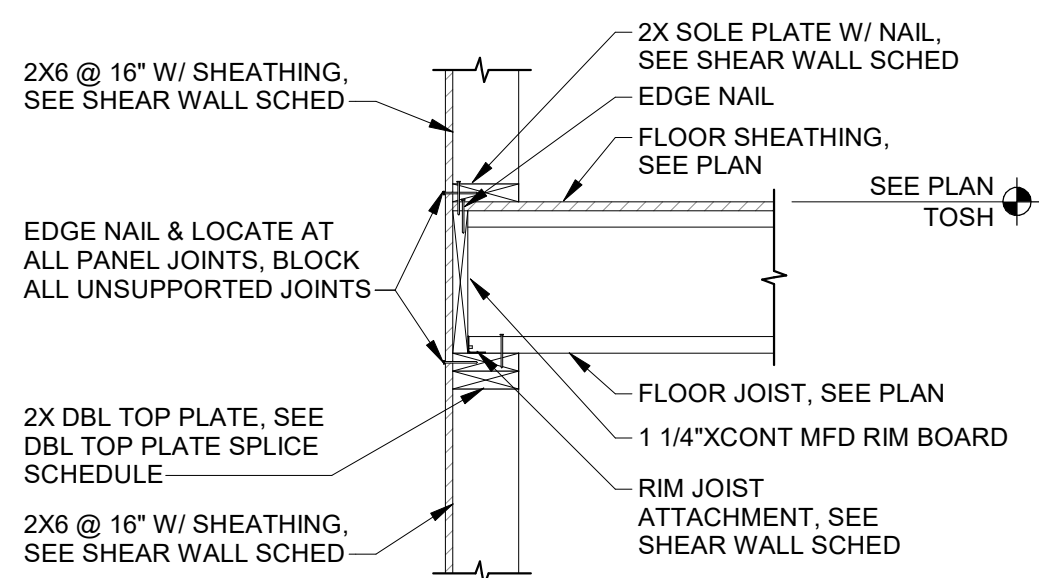
7 FLOOR JOIST PARALLEL EXT
S211 3/4" = 1'-0"



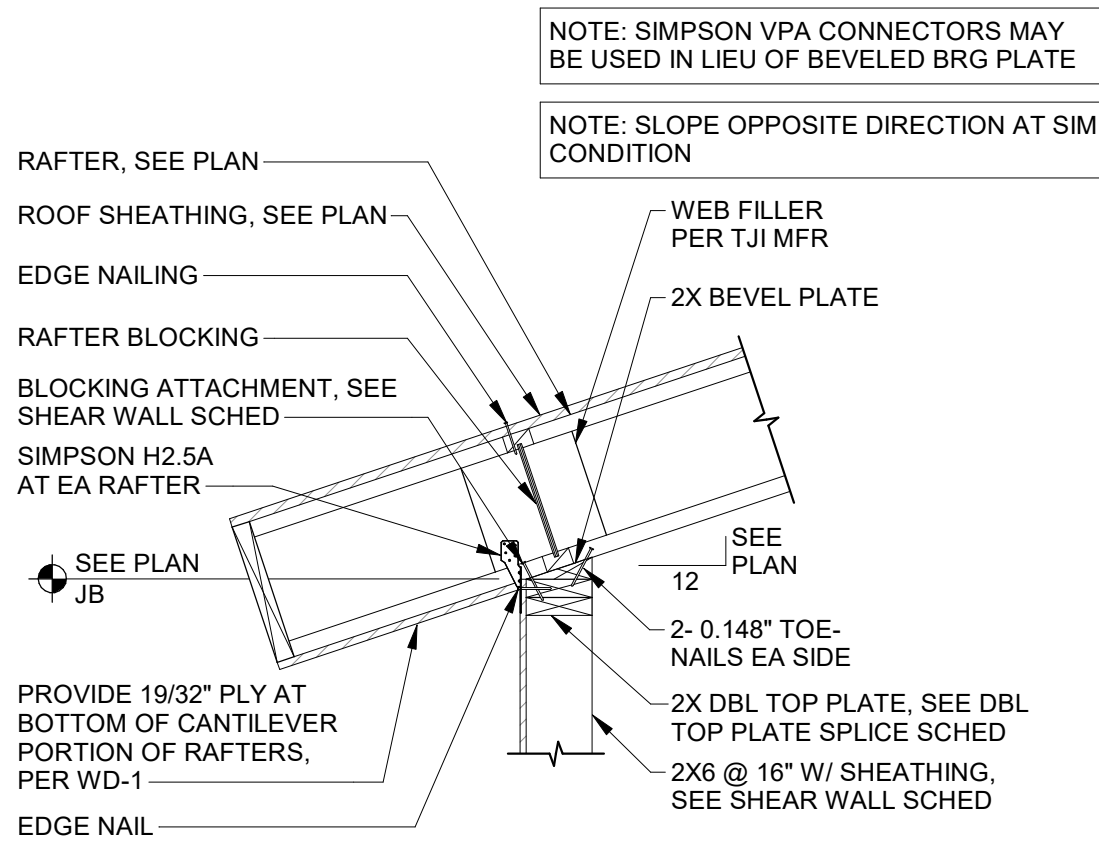
8 FLOOR JOIST PARALLEL EXT
S211 3/4" = 1'-0"



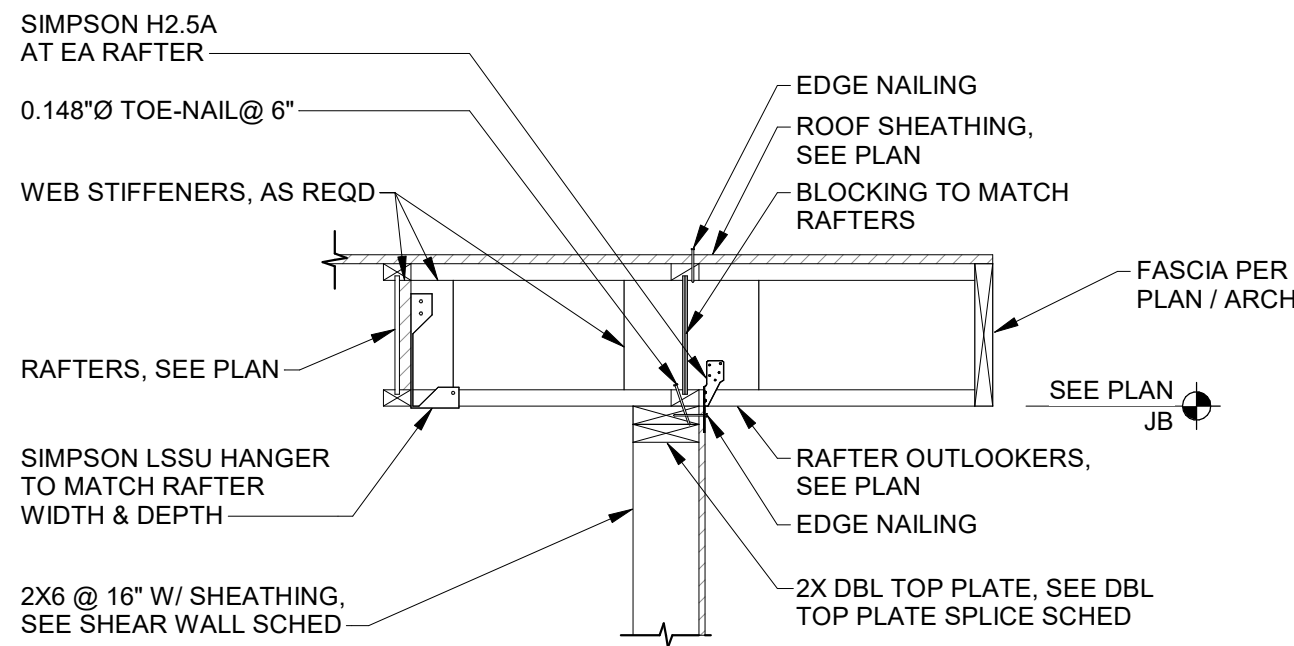
9 FLOOR JOIST AT WOOD BEAM
S211 3/4" = 1'-0"



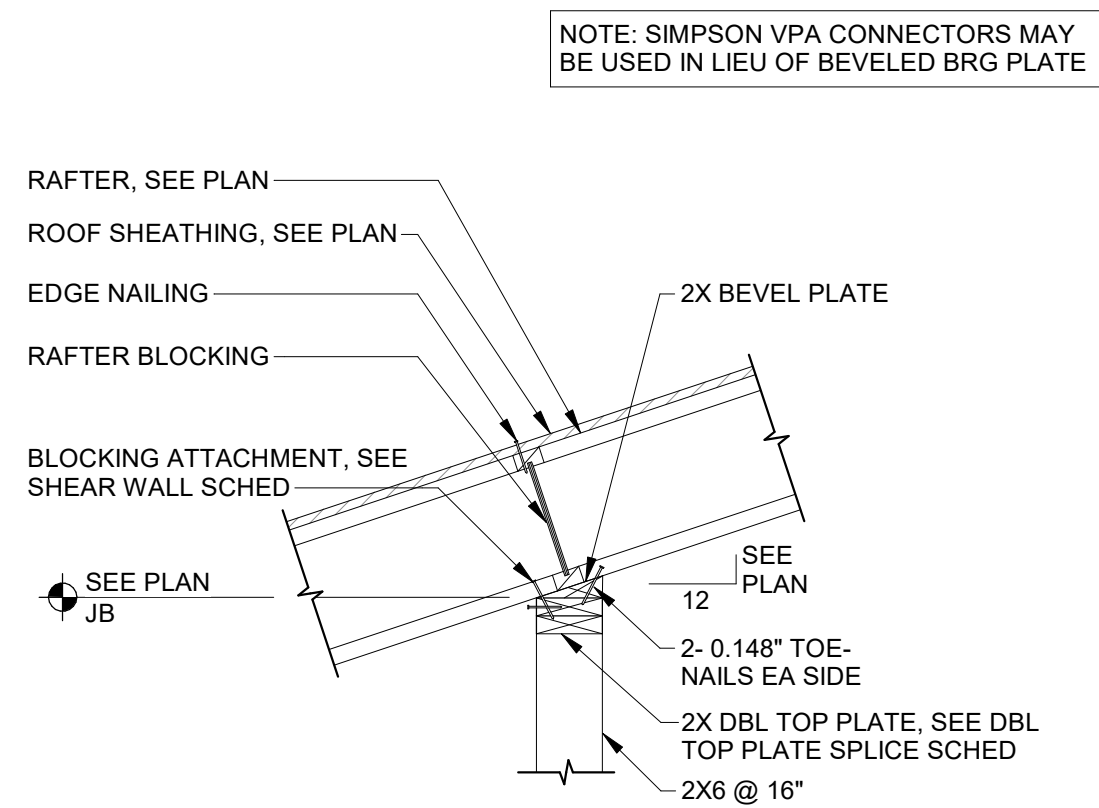
6 FLOOR JOIST BEARING EXT
S211 3/4" = 1'-0"



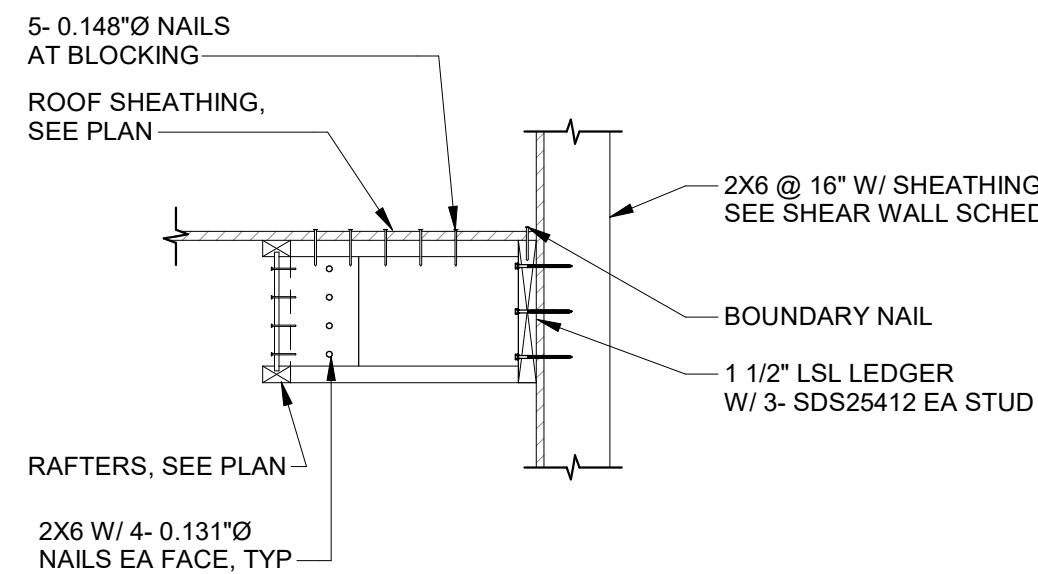
1 RAFTER BEARING AT WOOD EXT STUD WALL
S212 3/4" = 1'-0"



2 RAFTER PARALLEL AT EXT BEARING
S212 3/4" = 1'-0"



3 RAFTER BEARING AT WOOD INTERIOR BEARING WALL
S212 3/4" = 1'-0"



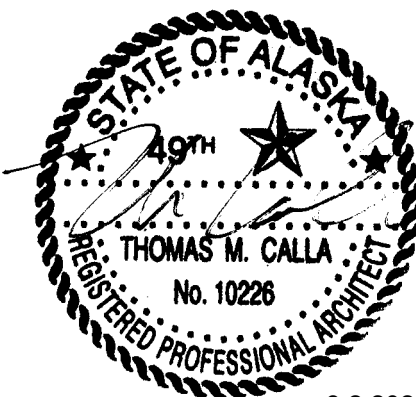
4 RAFTER PARALLEL AT EXT BEARING
S212 3/4" = 1'-0"

GENERAL NOTES

- A. ARCHITECTURAL SITE PLAN IS INTENDED TO PROVIDE CONTEXT FOR COMPLETE PROPERTY.
- B. SITE GRADING AND DRAINAGE, UTILITIES, SITE ACCESS, AND LOT DESIGNATIONS UNDER A SEPARATE PERMIT. CONTRACTOR TO COORDINATE ALL SITE ITEMS WITH CIVIL DRAWINGS AND PERMITS.
- C. EACH HOUSING STRUCTURE TO BE PERMITTED UNDER A SEPARATE PERMIT. CONTRACTOR IS RESPONSIBLE FOR REVIEWING FULL SITE SCOPE OF WORK AND COORDINATING BETWEEN CIVIL AND ALL HOUSING STRUCTURE CONSTRUCTION DOCUMENTS.



SEARHC WORKFORCE HOUSING
1064 ZIMOVIA HIGHWAY, WRANGELL, AK 99929
SINGLE FAMILY TWO STORY (SHED ROOF)



9.2.2025

© 2025 | ALL RIGHTS RESERVED

CONSTRUCTION
DOCUMENTS

08.29.2025
PROJ# | SEARHC_WRNGLWFH
DESIGNED BY | KOEL
DRAWN BY | MARKUSON
REVIEWED BY | DUNBAR
REVISIONS

ARCHITECTURAL SITE
PLAN & DETAILS

AS100

PLAN LEGEND

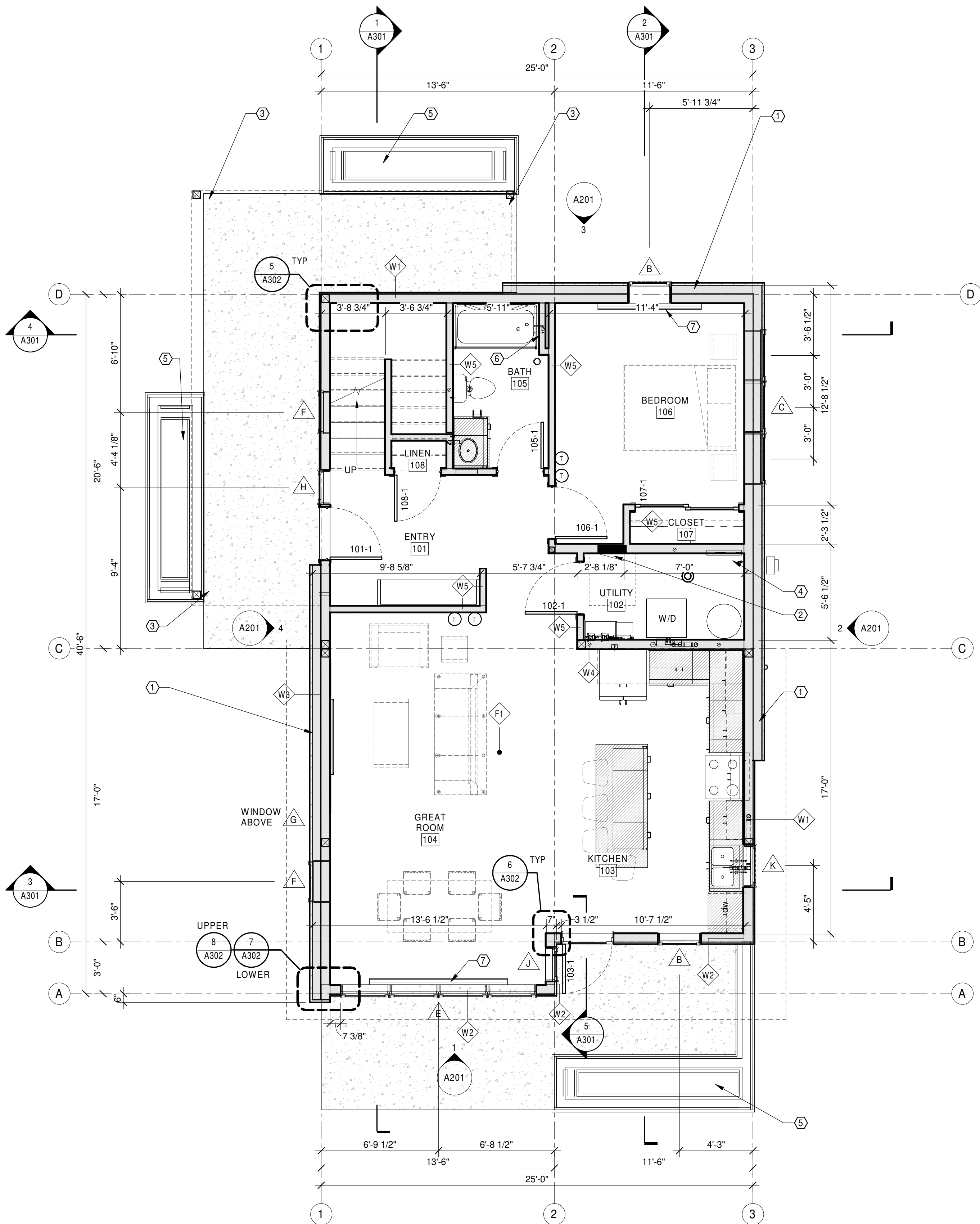
- W# → ASSEMBLY TYPE (SEE ASSEMBLIES SHEET)
→ ASSEMBLY MODIFIER, PER TYPE
NAME → ROOM NAME AND NUMBER
X → WINDOW TYPE (SEE A600s)
X → KEYNOTE
SIM → DIRECTION OF VIEW, IF APPLICABLE
1 → DRAWING NUMBER
X000 → SHEET WHERE DRAWN
101-1 → DOOR NUMBER (SEE SHEET A601)
→ DIMENSION TO FACE OF FRAMING
→ DIMENSION TO GRID LINE
→ DIMENSION TO CENTER LINE

GENERAL NOTES:

- A. THIS PROJECT SHALL COMPLY WITH THE GOVERNING CODES NOTED ON CODE PLAN. ANY BUILDING OFFICIAL, SUBCONTRACTOR, OR TRADESPERSON NOTING DISCREPANCIES SHALL NOTIFY THE ARCHITECT IMMEDIATELY UPON DISCOVERY.
- B. PROPER INSTALLATION OF AIR/MOISTURE BARRIER AND THERMAL INSULATION IS REQUIRED PER MANUFACTURER GUIDELINES AND THESE DOCUMENTS. CONTRACTOR AND SUBCONTRACTORS ARE REQUIRED TO REVIEW SPECIFICATIONS AND DRAWINGS PRIOR TO INSTALLATION. AIR/MOISTURE BARRIER MUST BE FULLY SEALED TO COMPLETELY ENCLOSE THE BUILDING ENVELOPE. FULL THICKNESS OF INSULATION SHALL BE INSTALLED AND VOIDS FILLED WHERE THEY OCCUR.
- C. CONTRACTOR SHALL COORDINATE REQUIRED INSPECTIONS BY CITY OR OTHER GOVERNING AUTHORITIES, AS NECESSARY.
- D. CONSTRUCTION DEBRIS IS TO BE STOCKPILED NEATLY ON SITE UNTIL DISPOSAL. ON-SITE REFUSE BURNING WILL BE DONE ONLY WITH APPROVAL OF OWNER/LOCAL AUTHORITY.
- E. CONTRACTOR SHALL PROVIDE STORAGE FOR BUILDING MATERIALS IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.
- F. COORDINATE WITH BUILDING SECTIONS AND STRUCTURAL DRAWINGS FOR PLATE HEIGHTS & FLOOR ELEVATIONS.
- G. FOR REINFORCING OF CONCRETE SLABS, FOOTINGS AND FOUNDATIONS SEE STRUCTURAL.
- H. FOR SIZE AND CONNECTION DETAILS OF FRAMING COMPONENTS, BEAMS, DECKING AND OTHER STRUCTURAL SECTIONS - SEE STRUCTURAL FOR COORDINATION AND REQUIREMENTS.
- I. CASEWORK, APPLIANCES, AND OTHER FURNITURE, FIXTURES, & EQUIPMENT SHOWN FOR REFERENCE PURPOSES, UNLESS NOTIFIED OTHERWISE, COORDINATE FINAL REQUIREMENTS W/ OWNER OR INTERIOR DESIGNER. FIELD VERIFY CASEWORK AND BUILT IN COMPONENTS PRIOR TO FABRICATION. CASEWORK TO BE BASED ON A.W.I. PREMIUM GRADE STANDARD.
- J. PRODUCTS LISTED ARE BASIS-OF-DESIGN. SUBSTITUTIONS SHALL MEET OR EXCEED PERFORMANCE STANDARDS OF THE LISTED PRODUCT AND MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY THE OWNER/ARCHITECT PRIOR TO ORDERING OR INSTALLATION.
- K. UNLESS NOTIFIED OTHERWISE, MATERIALS SHALL BE INSTALLED PER MANUFACTURERS' RECOMMENDATIONS & IN ACCORDANCE W/ WARRANTY GUIDELINES.
- L. COORDINATE ALL PLUMBING, ELECTRICAL & MECHANICAL COMPONENTS WITH SUB-CONTRACTORS. UNLESS NOTIFIED OTHERWISE, COMPONENTS ARE SHOWN FOR GENERAL LOCATION AND SCOPE OF WORK. PERMITS ARE TO BE SUPPLIED BY SUB-CONTRACTOR IN ACCORDANCE WITH BUILDING CODE REQUIREMENTS.
- M. SEE SITE PLAN FOR BUILDING ORIENTATION.
- N. POST INSTALLATION PEX TUBING DAMAGE PREVENTION: FOLLOWING PROCEDURE TO BE USED TO PREVENT DAMAGE OF RADIANT FLOOR HEAT PEX TUBING; AFTER SLAB IS CAST AND CURED THE CONTRACTOR SHALL MEASURE AND MARK ON THE FLOOR ALL WALL PLATES TO BE FASTENED ONTO THE CONCRETE FLOOR SLAB, AS WELL AS OTHER FLOOR ATTACHMENTS (IF ANY). MECHANICAL CONTRACTOR SHALL CONNECT A TEMPORARY WATER HEATER AND CIRCULATE WARMED FLUID THROUGH THE PEX TUBING. CONTRACTOR SHALL USE THERMAL CAMERA TO MARK THE INTERSECTION OF ALL FRAMING TRACKS AND OTHER FLOOR ATTACHMENTS WITH PEX TUBING. MARK WITH PAINT ON THE CONCRETE FLOOR THE PEX TUBING LINES INTERSECTING THE FRAMING LINES. CONTRACTOR PROCEEDS TO FASTEN FLOOR TRACK TO THE FLOOR AVOIDING ALL INTERSECTING PEX TUBE LOCATIONS.

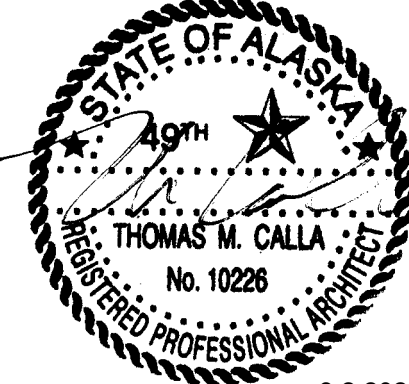
FLOOR PLAN KEYNOTES

- 1 PARTIAL HEIGHT WALL, SEE ELEVATIONS AND SECTIONS.
2 ELECTRICAL PANEL, SEE ELECTRICAL DRAWINGS.
3 WOOD COLUMN, SEE STRUCTURAL.
4 MECHANICAL EQUIPMENT, SEE MECHANICAL DRAWINGS.
5 PLANTER BED AND BUILT IN BENCH, SEE DETAIL SHEETS.
6 FURR OUT BATHROOM WALL AS NEEDED TO FIT SHOWER.
7 BASE BOARD HEATER, SEE ELECTRICAL AND MECHANICAL DRAWINGS.



1 FIRST FLOOR
A101 1/4" = 1'-0"

SEARHC WORKFORCE HOUSING
1064 ZIMOVIA HIGHWAY, WRANGELL, AK 99929
SINGLE FAMILY TWO STORY (SHED ROOF)



© 2025 | ALL RIGHTS RESERVED

CONSTRUCTION
DOCUMENTS

08.29.2025
PROJ# | SEARHC_WRNGLWFH
DESIGNED BY | KOEL
DRAWN BY | MARKUSON
REVIEWED BY | DUNBAR
REVISIONS

FIRST FLOOR PLAN &
PLAN DETAILS

A101

PLAN LEGEND

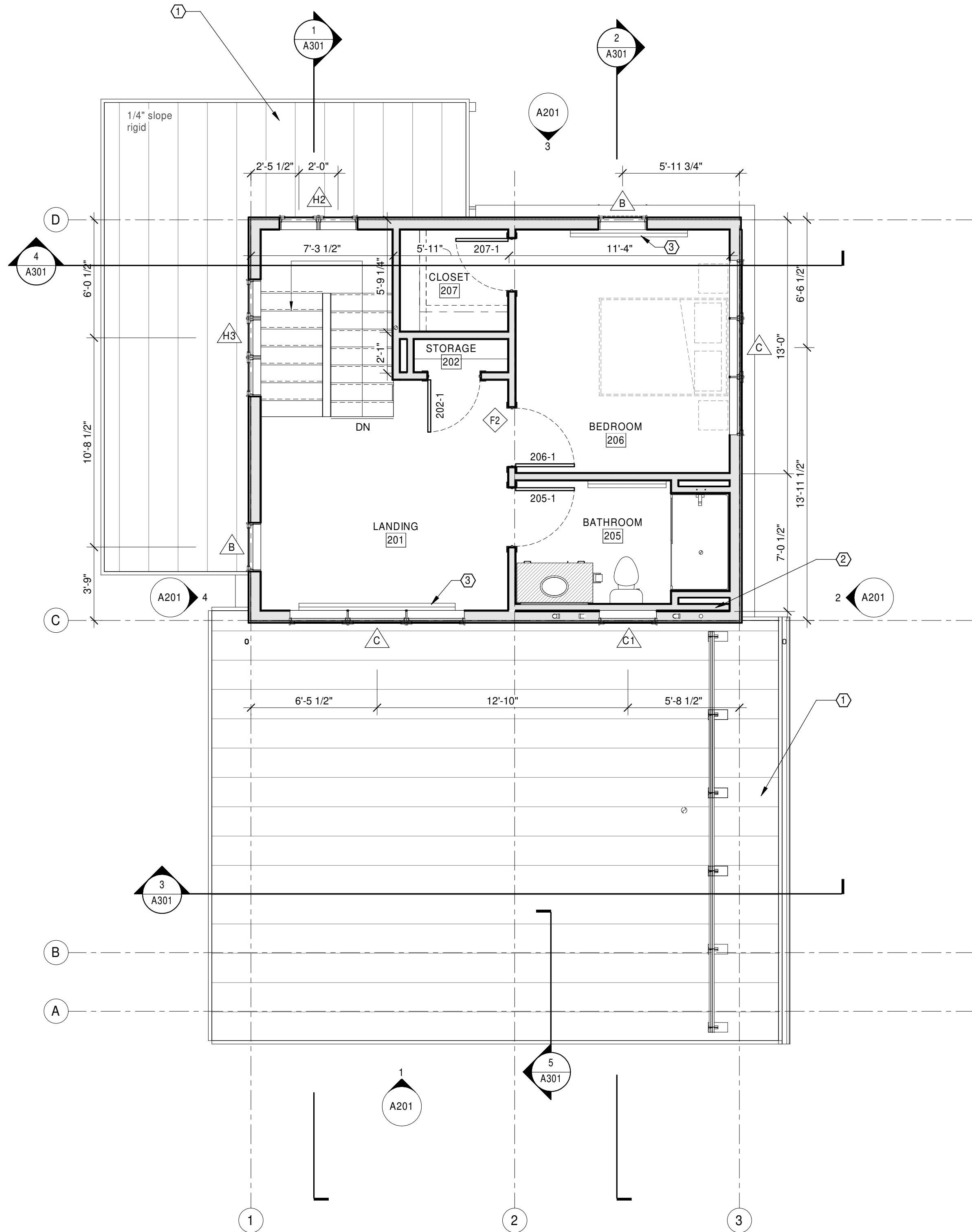
- W## → ASSEMBLY TYPE (SEE ASSEMBLIES SHEET)
→ ASSEMBLY MODIFIER, PER TYPE
NAME
101 → ROOM NAME AND NUMBER
X → WINDOW TYPE (SEE A600s)
X → KEYNOTE
SIM → DIRECTION OF VIEW, IF APPLICABLE
1 → DRAWING NUMBER
X000 → SHEET WHERE DRAWN
101-1 → DOOR NUMBER (SEE SHEET A601)
→ DIMENSION TO FACE OF FRAMING
→ DIMENSION TO GRID LINE
→ DIMENSION TO CENTER LINE

GENERAL NOTES:

- A. THIS PROJECT SHALL COMPLY WITH THE GOVERNING CODES NOTED ON CODE PLAN. ANY BUILDING OFFICIAL, SUBCONTRACTOR, OR TRADESPERSON NOTING DISCREPANCIES SHALL NOTIFY THE ARCHITECT IMMEDIATELY UPON DISCOVERY.
B. PROPER INSTALLATION OF AIR/MOISTURE BARRIER AND THERMAL INSULATION IS REQUIRED PER MANUFACTURER GUIDELINES AND THESE DOCUMENTS. CONTRACTOR AND SUBCONTRACTORS ARE REQUIRED TO REVIEW SPECIFICATIONS AND DRAWINGS PRIOR TO INSTALLATION. AIR/MOISTURE BARRIER MUST BE FULLY SEALED TO COMPLETELY ENCLOSE THE BUILDING ENVELOPE. FULL THICKNESS OF INSULATION SHALL BE INSTALLED AND VOIDS FILLED WHERE THEY OCCUR.
C. CONTRACTOR SHALL COORDINATE REQUIRED INSPECTIONS BY CITY OR OTHER GOVERNING AUTHORITIES, AS NECESSARY.
D. CONSTRUCTION DEBRIS IS TO BE STOCKPILED NEATLY ON SITE UNTIL DISPOSAL. ON-SITE REFUSE BURNING WILL BE DONE ONLY WITH APPROVAL OF OWNER/LOCAL AUTHORITY.
E. CONTRACTOR SHALL PROVIDE STORAGE FOR BUILDING MATERIALS IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.
F. COORDINATE WITH BUILDING SECTIONS AND STRUCTURAL DRAWINGS FOR PLATE HEIGHTS & FLOOR ELEVATIONS.
G. FOR REINFORCING OF CONCRETE SLABS, FOOTINGS AND FOUNDATIONS SEE STRUCTURAL.
H. FOR SIZE AND CONNECTION DETAILS OF FRAMING COMPONENTS, BEAMS, DECKING AND OTHER STRUCTURAL SECTIONS - SEE STRUCTURAL FOR COORDINATION AND REQUIREMENTS.
I. CASEWORK, APPLIANCES, AND OTHER FURNITURE, FIXTURES, & EQUIPMENT SHOWN FOR REFERENCE PURPOSES, UNLESS NOTIFIED OTHERWISE, COORDINATE FINAL REQUIREMENTS W/ OWNER OR INTERIOR DESIGNER. FIELD VERIFY CASEWORK AND BUILT IN COMPONENTS PRIOR TO FABRICATION. CASEWORK TO BE BASED ON A.W.I. PREMIUM GRADE STANDARD.
J. PRODUCTS LISTED ARE BASIS-OF-DESIGN. SUBSTITUTIONS SHALL MEET OR EXCEED PERFORMANCE STANDARDS OF THE LISTED PRODUCT AND MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY THE OWNER/ARCHITECT PRIOR TO ORDERING OR INSTALLATION.
K. UNLESS NOTIFIED OTHERWISE, MATERIALS SHALL BE INSTALLED PER MANUFACTURERS' RECOMMENDATIONS & IN ACCORDANCE W/ WARRANTY GUIDELINES.
L. COORDINATE ALL PLUMBING, ELECTRICAL & MECHANICAL COMPONENTS WITH SUB-CONTRACTORS. UNLESS NOTIFIED OTHERWISE, COMPONENTS ARE SHOWN FOR GENERAL LOCATION AND SCOPE OF WORK. PERMITS ARE TO BE SUPPLIED BY SUB-CONTRACTOR IN ACCORDANCE WITH BUILDING CODE REQUIREMENTS.
M. SEE SITE PLAN FOR BUILDING ORIENTATION.
N. POST INSTALLATION PEX TUBING DAMAGE PREVENTION: FOLLOWING PROCEDURE TO BE USED TO PREVENT DAMAGE OF RADIANT FLOOR HEAT PEX TUBING; AFTER SLAB IS CAST AND CURED THE CONTRACTOR SHALL MEASURE AND MARK ON THE FLOOR ALL WALL PLATES TO BE FASTENED ONTO THE CONCRETE FLOOR SLAB, AS WELL AS OTHER FLOOR ATTACHMENTS (IF ANY). MECHANICAL CONTRACTOR SHALL CONNECT A TEMPORARY WATER HEATER AND CIRCULATE WARMED FLUID THROUGH THE PEX TUBING. CONTRACTOR SHALL USE THERMAL CAMERA TO MARK THE INTERSECTION OF ALL FRAMING TRACKS AND OTHER FLOOR ATTACHMENTS WITH PEX TUBING. MARK WITH PAINT ON THE CONCRETE FLOOR THE PEX TUBING LINES INTERSECTING THE FRAMING LINES. CONTRACTOR PROCEEDS TO FASTEN FLOOR TRACK TO THE FLOOR AVOIDING ALL INTERSECTING PEX TUBE LOCATIONS.

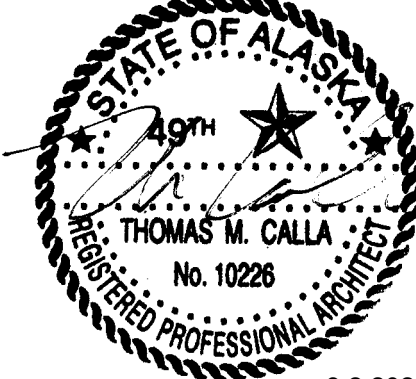
FLOOR PLAN KEYNOTES

- 1 ROOF BELOW.
2 FURR OUT BATHROOM WALLS AS NEEDED TO CENTER SHOWER.
3 BASE BOARD HEATER, SEE ELECTRICAL AND MECHANICAL DRAWINGS.



1 SECOND FLOOR
A102 1/4" = 1'-0"

SEARHC WORKFORCE HOUSING
1064 ZIMOVIA HIGHWAY, WRANGELL, AK 99929
SINGLE FAMILY TWO STORY (SHED ROOF)



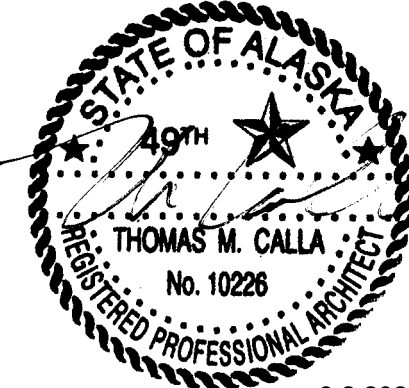
9.2.2025
© 2025 | ALL RIGHTS RESERVED

CONSTRUCTION
DOCUMENTS

08.29.2025
PROJ# | SEARHC_WRNGLWFH
DESIGNED BY | KOEL
DRAWN BY | MARKUSON
REVIEWED BY | DUNBAR
REVISIONS

SECOND FLOOR PLAN
& PLAN DETAILS

A102



9.2.2025

© 2025 | ALL RIGHTS RESERVED

CONSTRUCTION
DOCUMENTS

08.29.2025
PROJ# | SEARHC_WRNGLWFH
DESIGNED BY | KOEL
DRAWN BY | MARKUSON
REVIEWED BY | DUNBAR
REVISIONS

ROOF PLANS

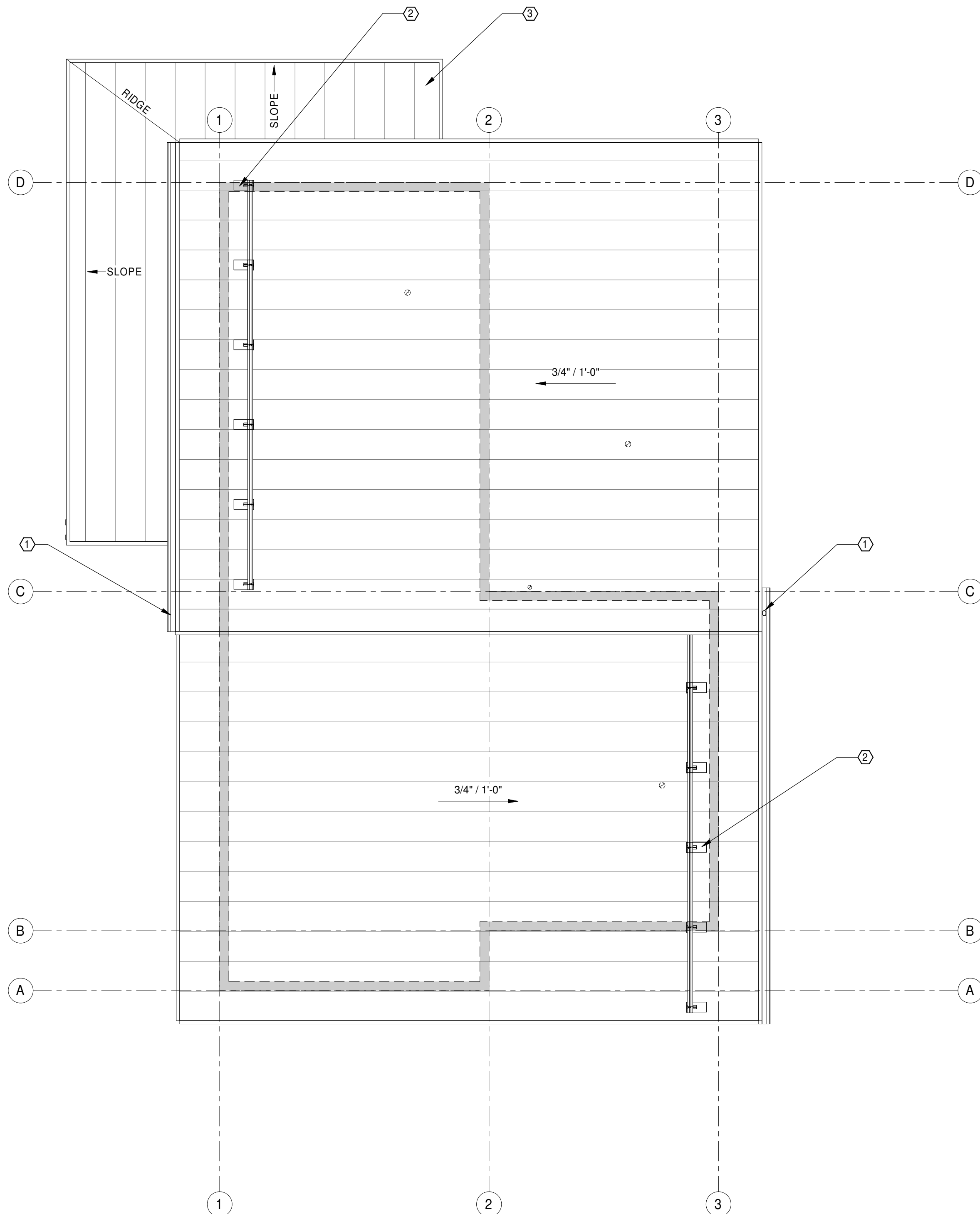
A110

GENERAL NOTES:

- THIS PROJECT SHALL COMPLY WITH THE GOVERNING CODES NOTED ON CODE PLAN. ANY BUILDING OFFICIAL, SUBCONTRACTOR, OR TRADESPERSON NOTING DISCREPANCIES SHALL NOTIFY THE ARCHITECT IMMEDIATELY UPON DISCOVERY.
- PROPER INSTALLATION OF AIR/MOISTURE BARRIER AND THERMAL INSULATION IS REQUIRED PER MANUFACTURER GUIDELINES AND THESE DOCUMENTS. CONTRACTOR AND SUBCONTRACTORS ARE REQUIRED TO REVIEW SPECIFICATIONS AND DRAWINGS PRIOR TO INSTALLATION. AIR/MOISTURE BARRIER MUST BE FULLY SEALED TO COMPLETELY ENCLOSE THE BUILDING ENVELOPE. FULL THICKNESS OF INSULATION SHALL BE INSTALLED AND VOIDS FILLED WHERE THEY OCCUR.
- CONTRACTOR SHALL COORDINATE REQUIRED INSPECTIONS BY CITY OR OTHER GOVERNING AUTHORITIES, AS NECESSARY.
- CONSTRUCTION DEBRIS IS TO BE STOCKPILED NEATLY ON SITE UNTIL DISPOSAL. ON-SITE REFUSE BURNING WILL BE DONE ONLY WITH APPROVAL OF OWNER/LOCAL AUTHORITY.
- CONTRACTOR SHALL PROVIDE STORAGE FOR BUILDING MATERIALS IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.
- COORDINATE WITH BUILDING SECTIONS AND STRUCTURAL DRAWINGS FOR PLATE HEIGHTS & FLOOR ELEVATIONS.
- FOR REINFORCING OF CONCRETE SLABS, FOOTINGS AND FOUNDATIONS SEE STRUCTURAL.
- FOR SIZE AND CONNECTION DETAILS OF FRAMING COMPONENTS, BEAMS, DECKING AND OTHER STRUCTURAL SECTIONS - SEE STRUCTURAL FOR COORDINATION AND REQUIREMENTS.
- CASEWORK, APPLIANCES, AND OTHER FURNITURE, FIXTURES, & EQUIPMENT SHOWN FOR REFERENCE PURPOSES. UNLESS NOTIFIED OTHERWISE, COORDINATE FINAL REQUIREMENTS W/ OWNER OR INTERIOR DESIGNER. FIELD VERIFY CASEWORK AND BUILT IN COMPONENTS PRIOR TO FABRICATION. CASEWORK TO BE BASED ON A.W.I. PREMIUM GRADE STANDARD.
- PRODUCTS LISTED ARE BASIS-OF-DESIGN. SUBSTITUTIONS SHALL MEET OR EXCEED PERFORMANCE STANDARDS OF THE LISTED PRODUCT AND MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY THE OWNER/ARCHITECT PRIOR TO ORDERING OR INSTALLATION.
- UNLESS NOTIFIED OTHERWISE, MATERIALS SHALL BE INSTALLED PER MANUFACTURERS' RECOMMENDATIONS & IN ACCORDANCE W/ WARRANTY GUIDELINES.
- COORDINATE ALL PLUMBING, ELECTRICAL & MECHANICAL COMPONENTS WITH SUB-CONTRACTORS. UNLESS NOTIFIED OTHERWISE, COMPONENTS ARE SHOWN FOR GENERAL LOCATION AND SCOPE OF WORK. PERMITS ARE TO BE SUPPLIED BY SUB-CONTRACTOR IN ACCORDANCE WITH BUILDING CODE REQUIREMENTS.
- SEE SITE PLAN FOR BUILDING ORIENTATION.
- POST INSTALLATION PEX TUBING DAMAGE PREVENTION: FOLLOWING PROCEDURE TO BE USED TO PREVENT DAMAGE OF RADIANT FLOOR HEAT PEX TUBING; AFTER SLAB IS CAST AND CURED THE CONTRACTOR SHALL MEASURE AND MARK ON THE FLOOR ALL WALL PLATES TO BE FASTENED ONTO THE CONCRETE FLOOR SLAB, AS WELL AS OTHER FLOOR ATTACHMENTS (IF ANY). MECHANICAL CONTRACTOR SHALL CONNECT A TEMPORARY WATER HEATER AND CIRCULATE WARMED FLUID THROUGH THE PEX TUBING. CONTRACTOR SHALL USE THERMAL CAMERA TO MARK THE INTERSECTION OF ALL FRAMING TRACKS AND OTHER FLOOR ATTACHMENTS WITH PEX TUBING. MARK WITH PAINT ON THE CONCRETE FLOOR THE PEX TUBING LINES INTERSECTING THE FRAMING LINES. CONTRACTOR PROCEEDS TO FASTEN FLOOR TRACK TO THE FLOOR AVOIDING ALL INTERSECTING PEX TUBE LOCATIONS.

ROOF PLAN KEYNOTES

- GUTTER AND DOWNSPOUT, COLOR: BLACK TO MATCH ROOFING COMPONENTS.
- SNOW GUARD CLAMP AND RAIL SYSTEM: BASIS OF DESIGN: S-5I; S-5-T CLAMP AND COLORGUARD 2.0 RAIL. COORDINATE INSTALLATION WITH RAIL AND ROOFING MANUNCTURERS.
- STANDING SEAM METAL ROOF CANOPY BELOW. SLOPED TO DRAIN AT EDGE.



1
A110
1/4" = 1'-0"

ROOF

MATERIALS LEGEND

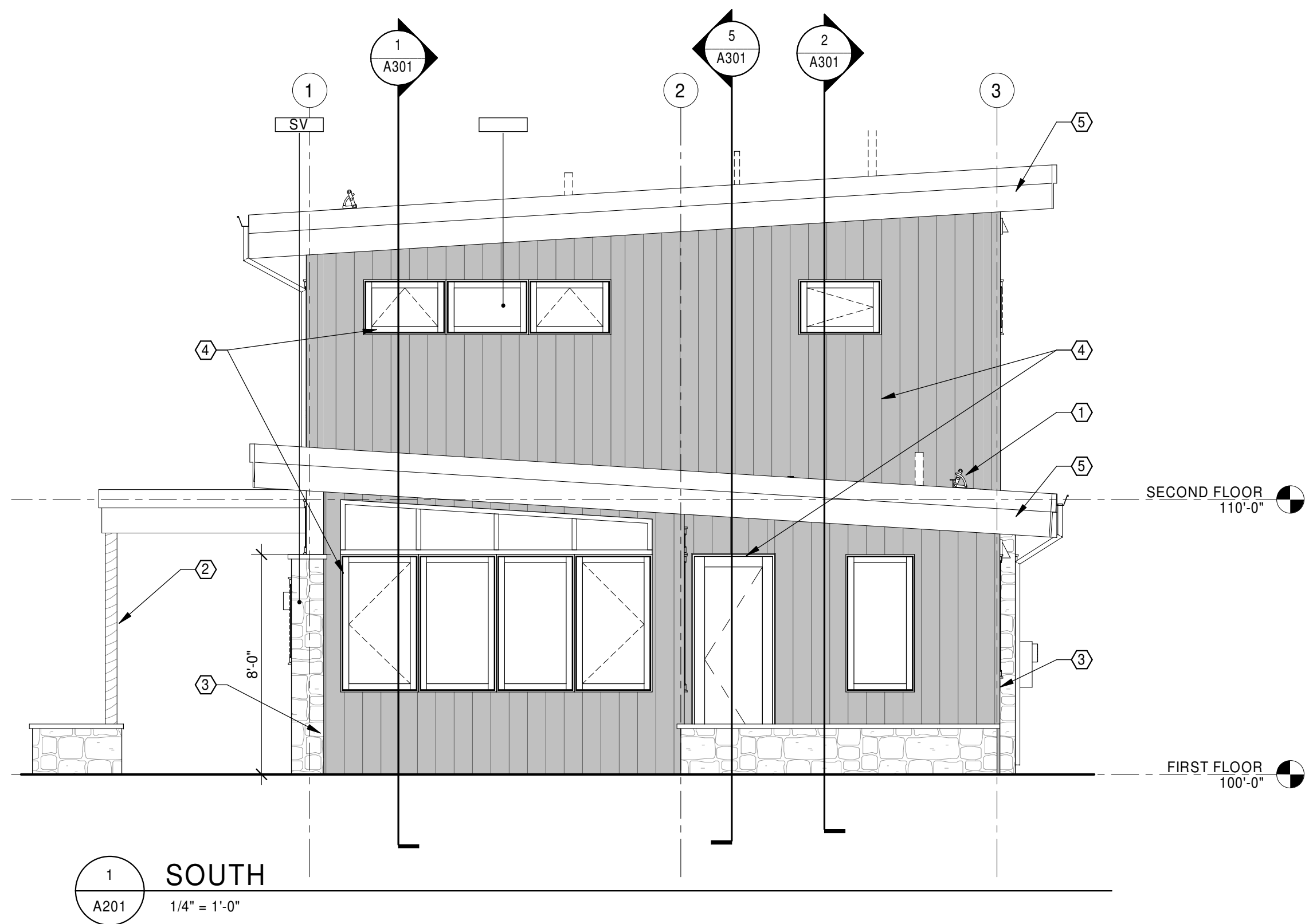
HMS		METAL PANEL SIDING - HORIZONTAL (WOOD LOOK)
SV		STONE VENEER
VMS		METAL PANEL SIDING VERTICAL METAL SIDING

GENERAL NOTES

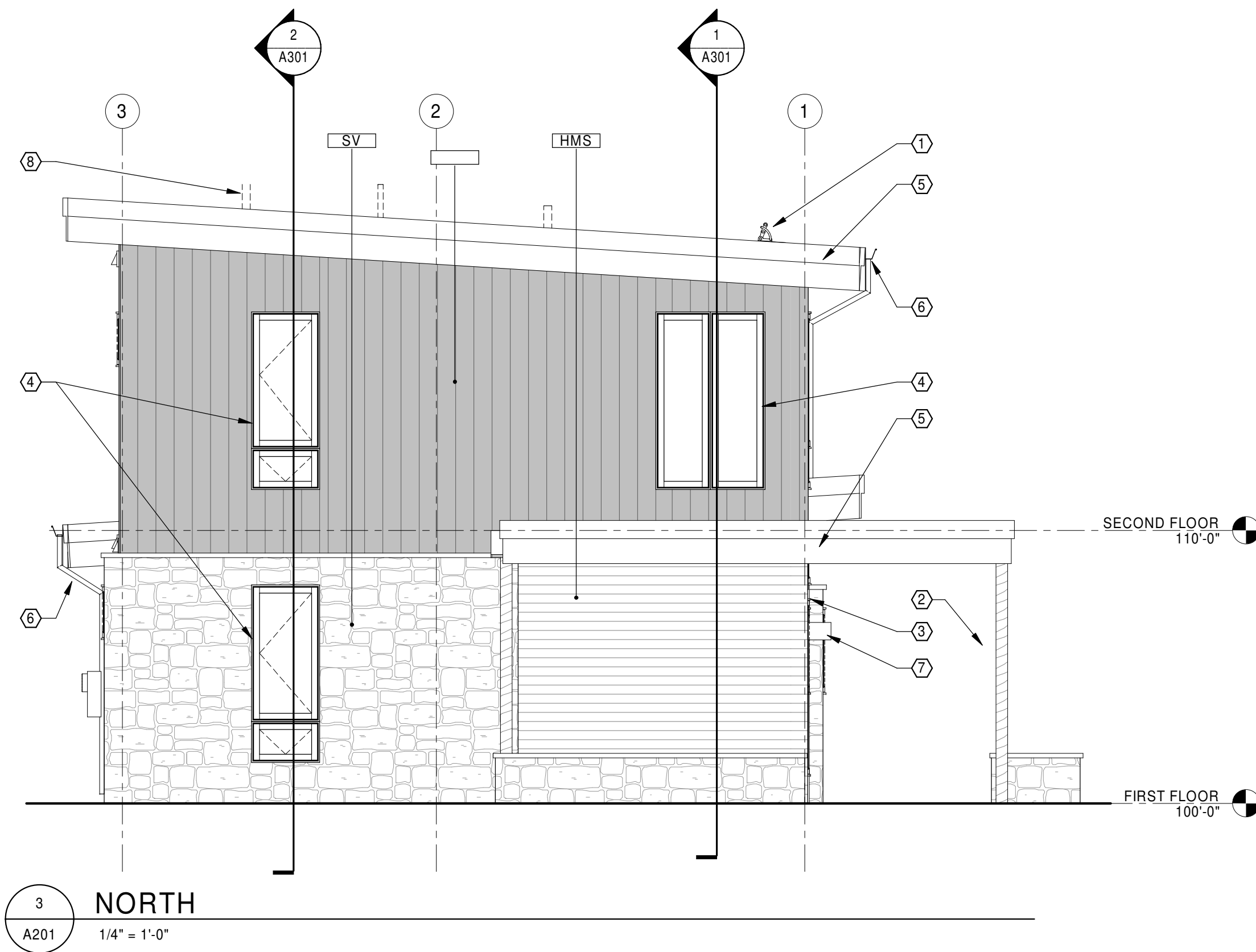
A. NOT USED.

KEYNOTES

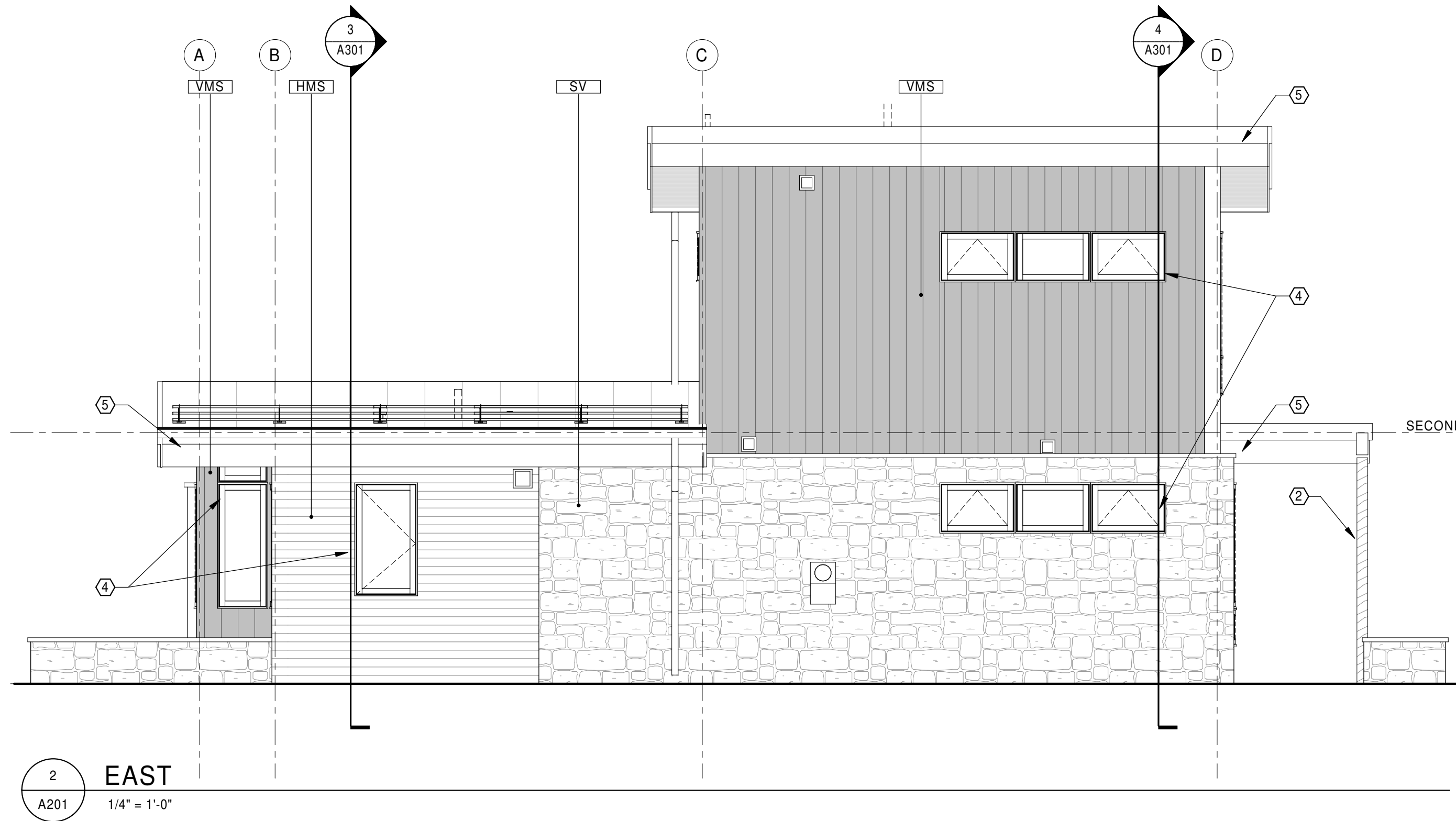
- 1 SNOW GUARD, SEE ROOF PLAN.
- 2 WOOD COLUMN, SEE STRUCTURAL DRAWINGS.
- 3 CORNER TRIM, SEE DETAILS.
- 4 WINDOW AND DOOR TRIM, SEE DETAILS.
- 5 METAL FASCIA.
- 6 GUTTER AND DOWNSPOUT, SEE ROOF PLAN AND DETAILS.
- 7 BUILDING LIGHT, SEE ELECTRICAL DRAWINGS.
- 8 THROUGH ROOF VENT PIPING, SEE MECHANICAL / PLUMBING DRAWINGS.



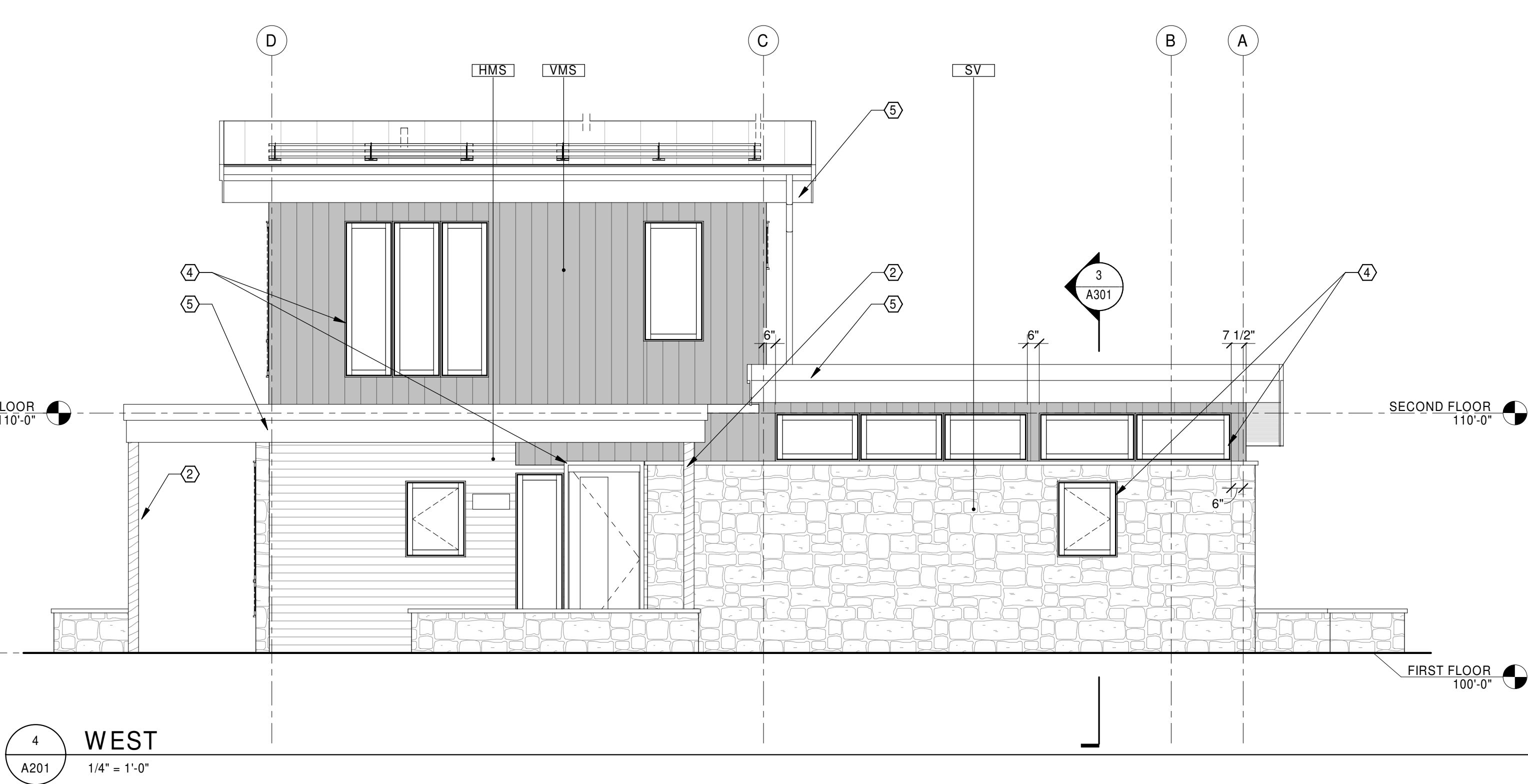
1 SOUTH
A201
1/4" = 1'-0"



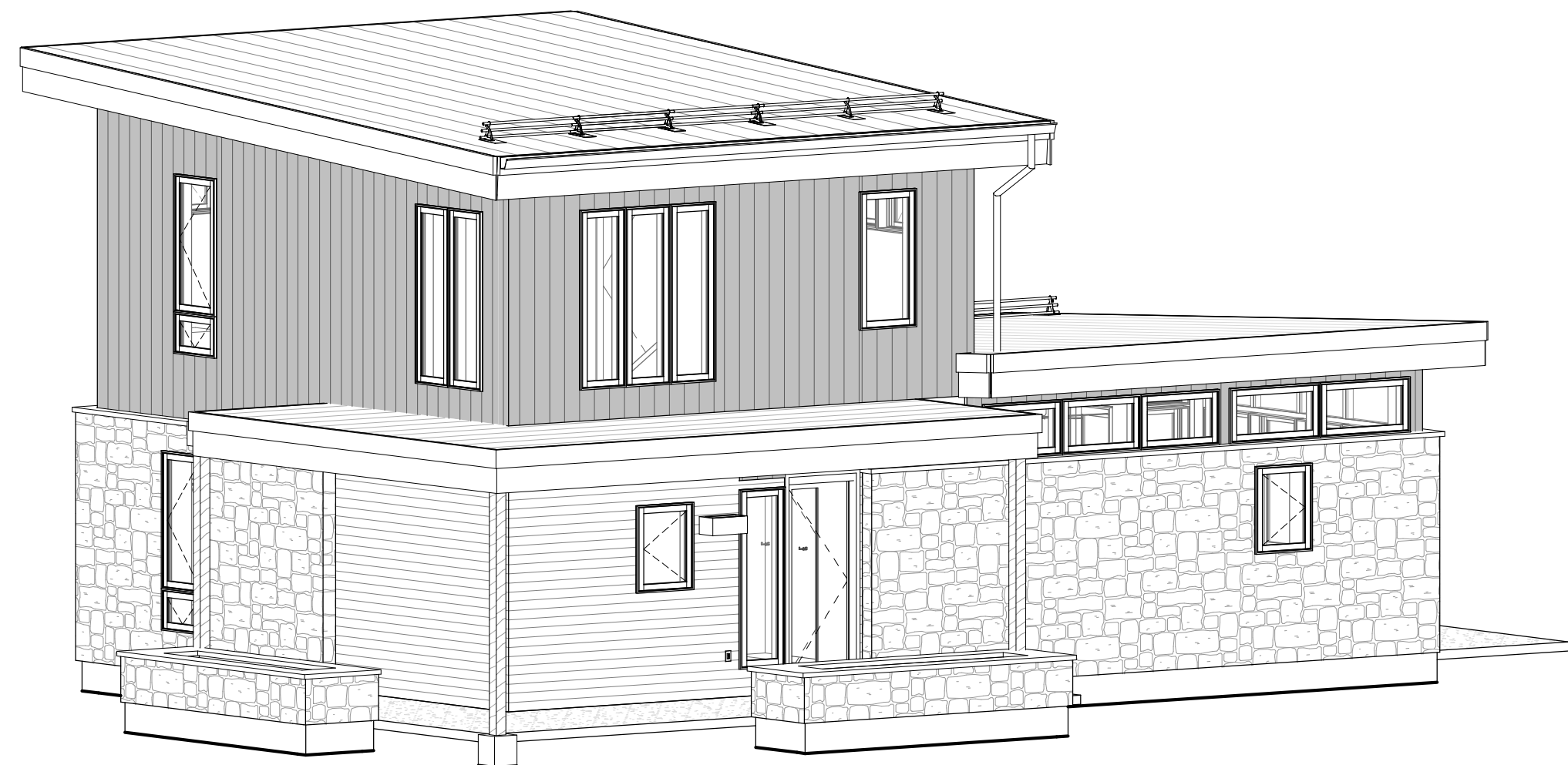
3 NORTH
A201
1/4" = 1'-0"



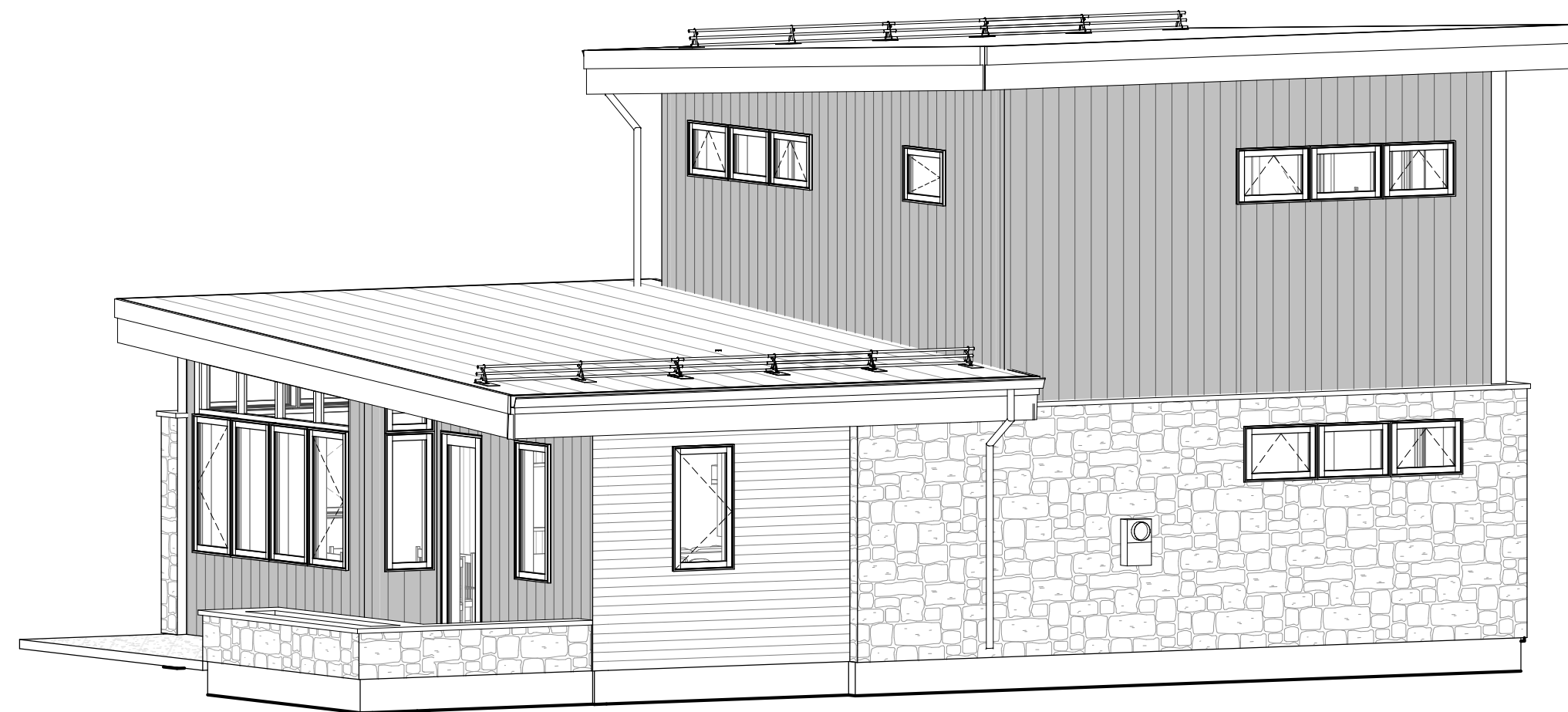
2 EAST
A201
1/4" = 1'-0"



4 WEST
A201
1/4" = 1'-0"



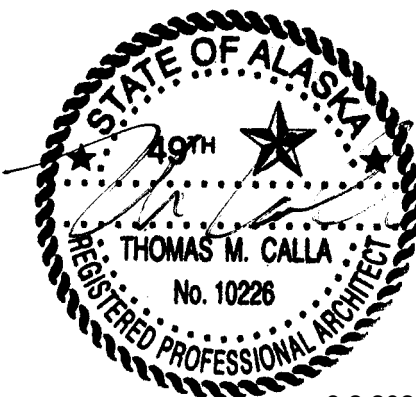
V1 SHEET VIEW 1
A201



V2 SHEET VIEW 2
A201

SEARHC WORKFORCE HOUSING
1064 ZIMOVIA HIGHWAY, WRANGELL, AK 99929

SINGLE FAMILY TWO STORY (SHED ROOF)



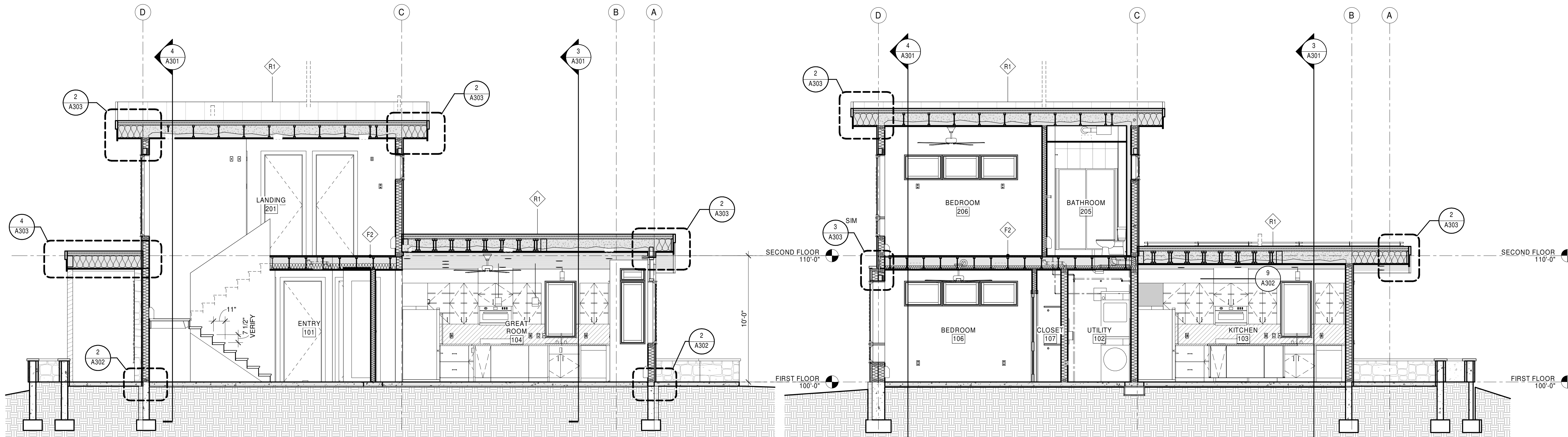
9.2.2025
© 2025 | ALL RIGHTS RESERVED

CONSTRUCTION
DOCUMENTS

08.29.2025
PROJ# | SEARHC_WRNGLWFH
DESIGNED BY | KOEL
DRAWN BY | MARKUSON
REVIEWED BY | DUNBAR
REVISIONS

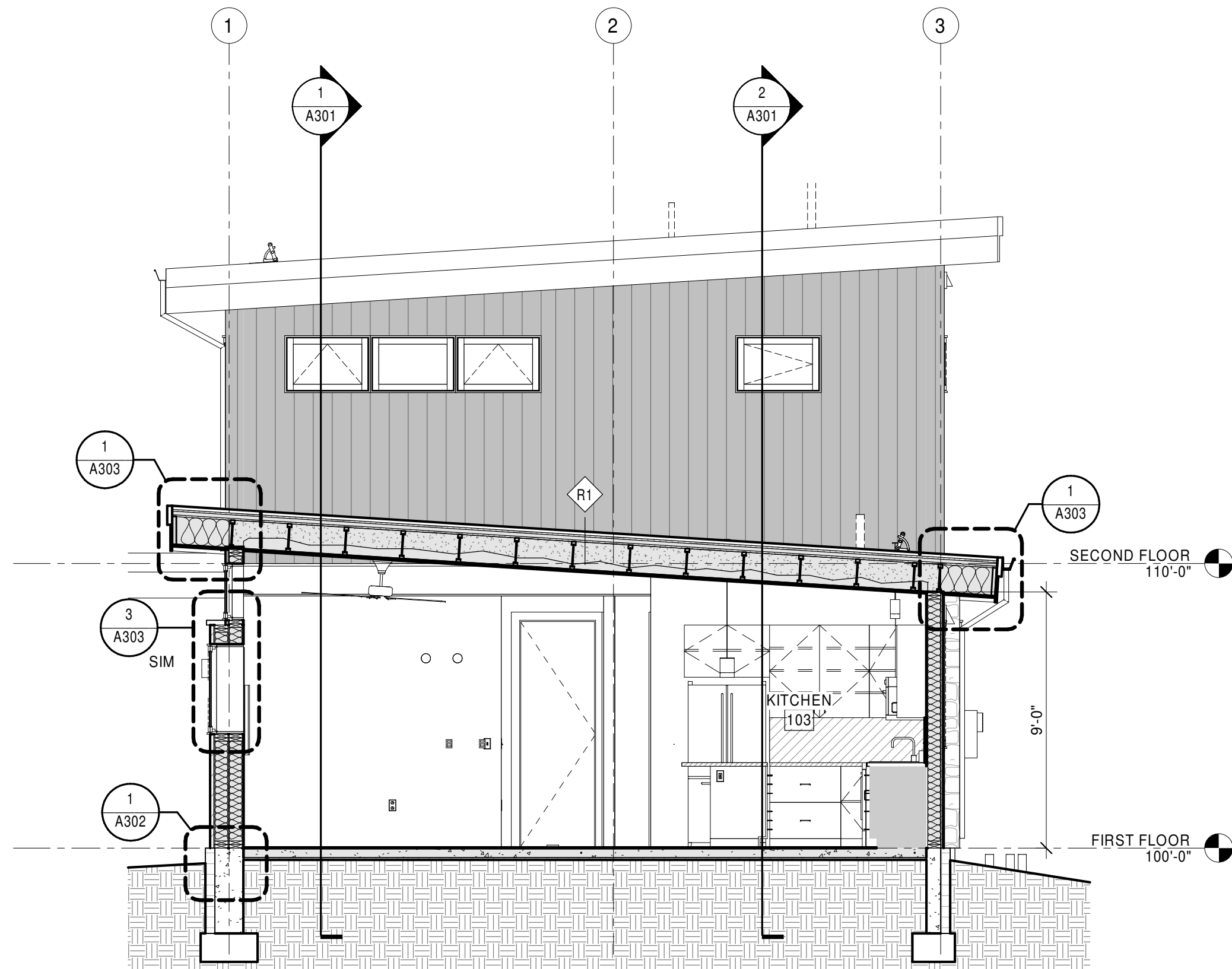
EXTERIOR
ELEVATIONS

A201

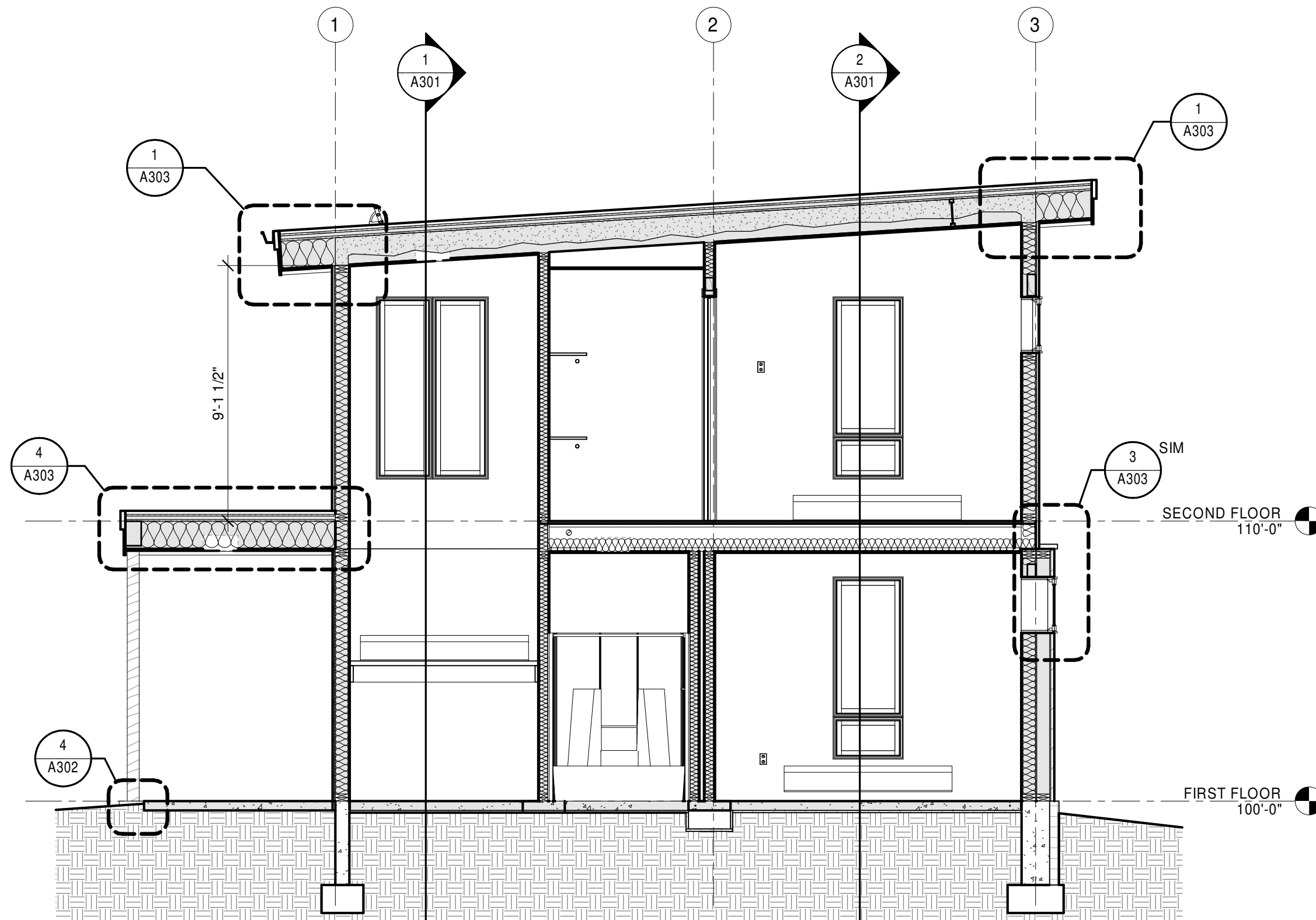


1 BUILDING SECTION 1
A301 1/4" = 1'-0"

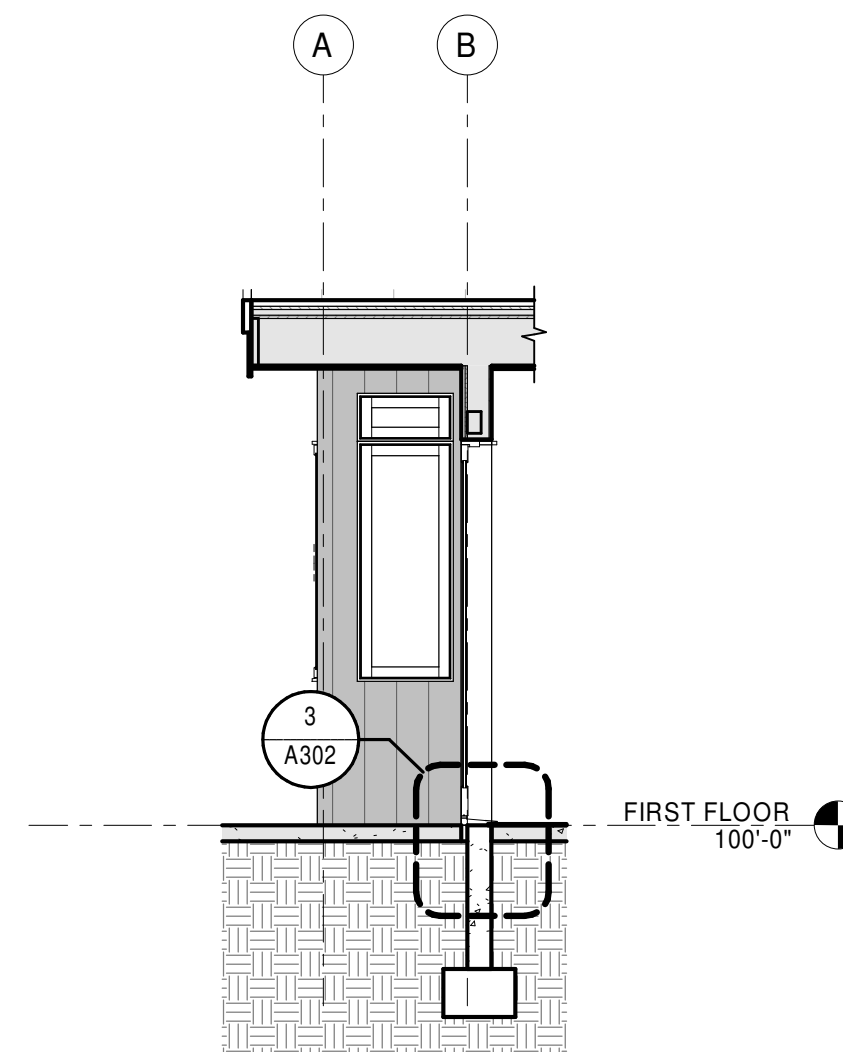
2 BUILDING SECTION 2
A301 1/4" = 1'-0"



3 BUILDING SECTION 3
A301 1/4" = 1'-0"



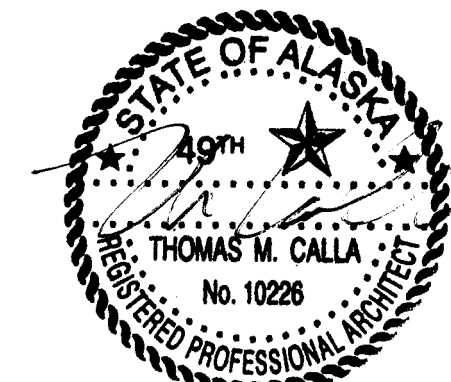
4 BUILDING SECTION 4
A301 1/4" = 1'-0"



5 BUILDING SECTION 5
A301 1/4" = 1'-0"

SEARHC WORKFORCE HOUSING
1064 ZIMOVIA HIGHWAY, WRANGELL, AK 99929

SINGLE FAMILY TWO STORY (SHED ROOF)



9.2.2025

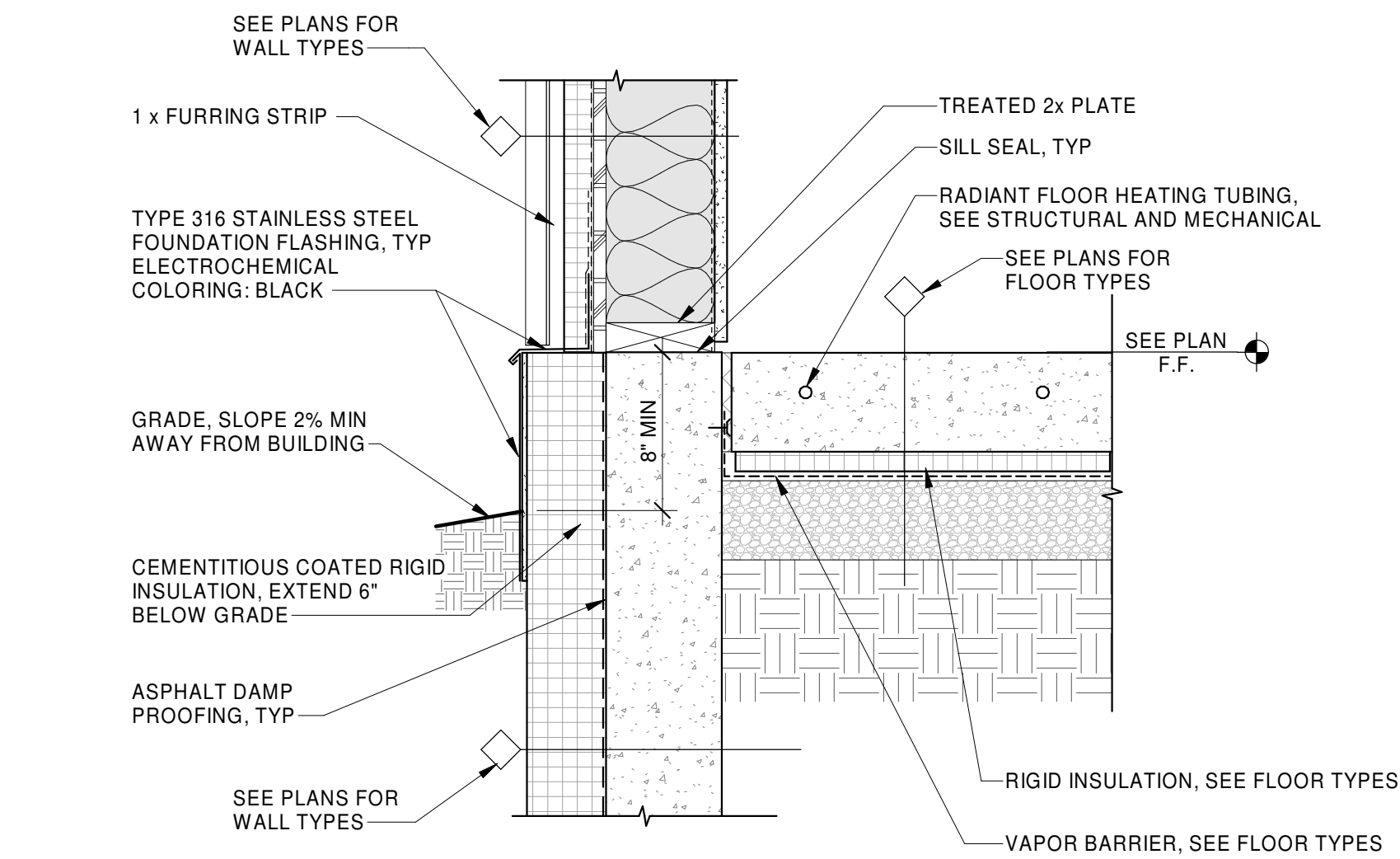
© 2025 | ALL RIGHTS RESERVED

CONSTRUCTION
DOCUMENTS

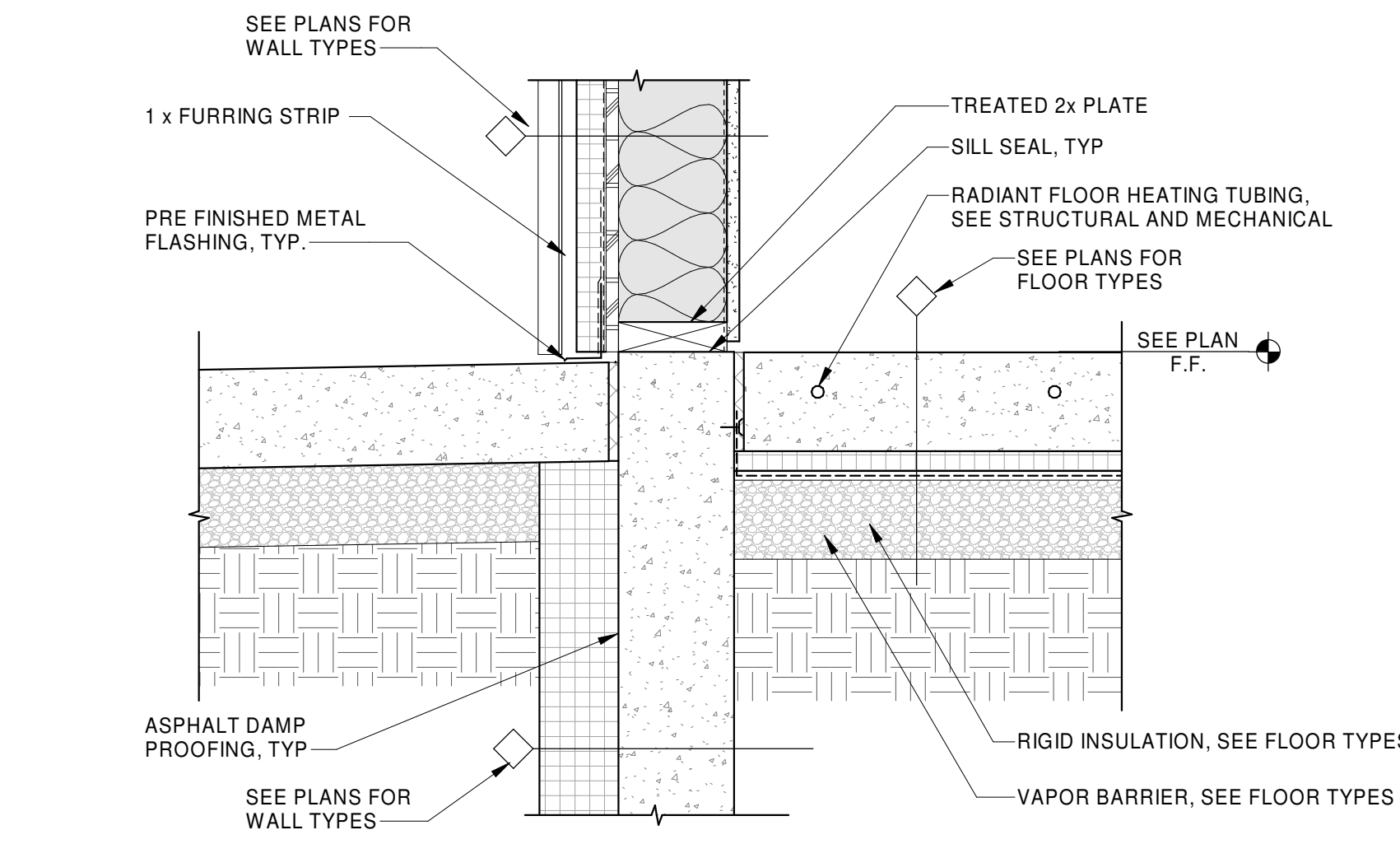
08.29.2025
PROJ# | SEARHC_WRNGLWFH
DESIGNED BY | KOEL
DRAWN BY | MARKUSON
REVIEWED BY | DUNBAR
REVISIONS

BUILDING SECTIONS

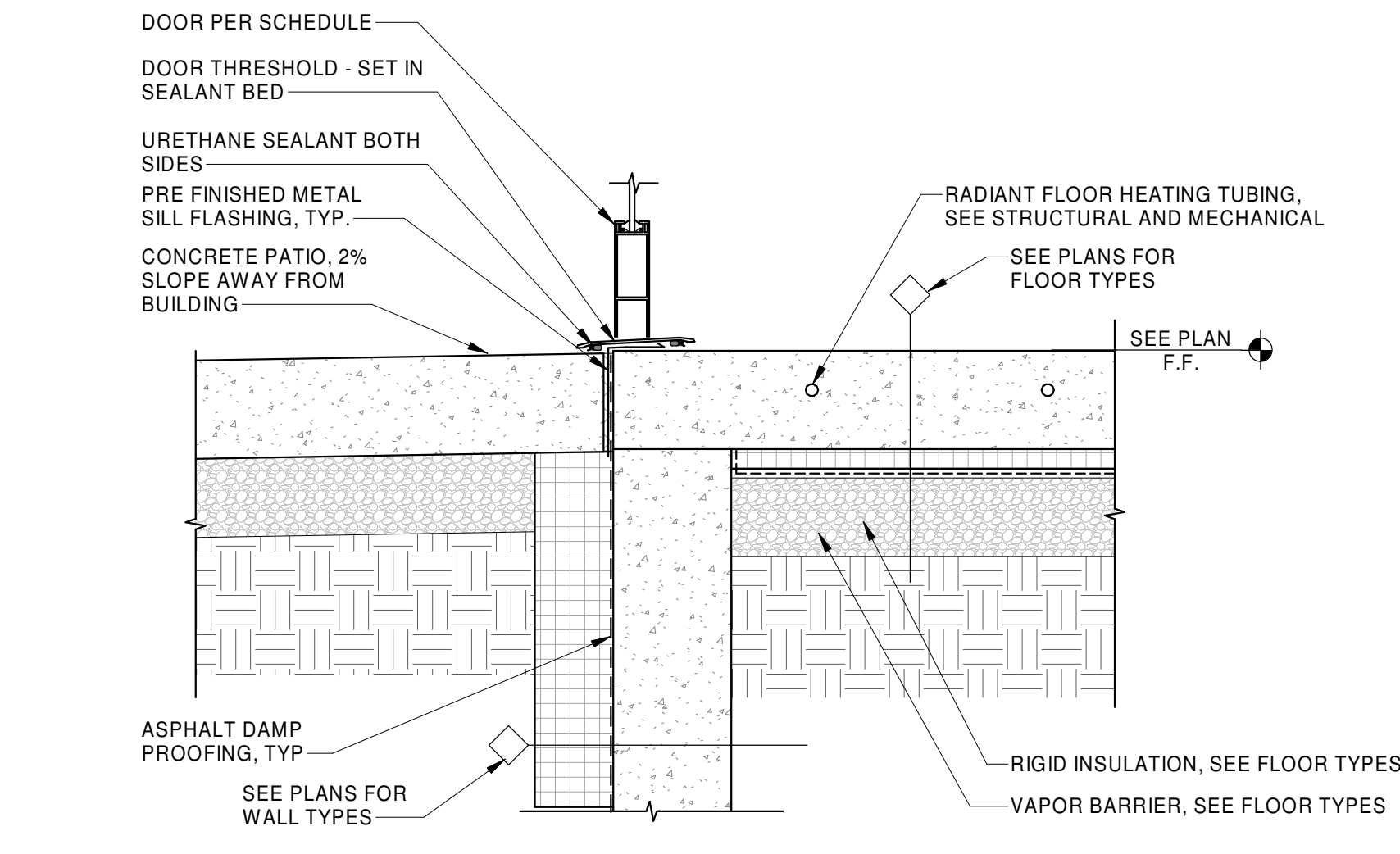
A301



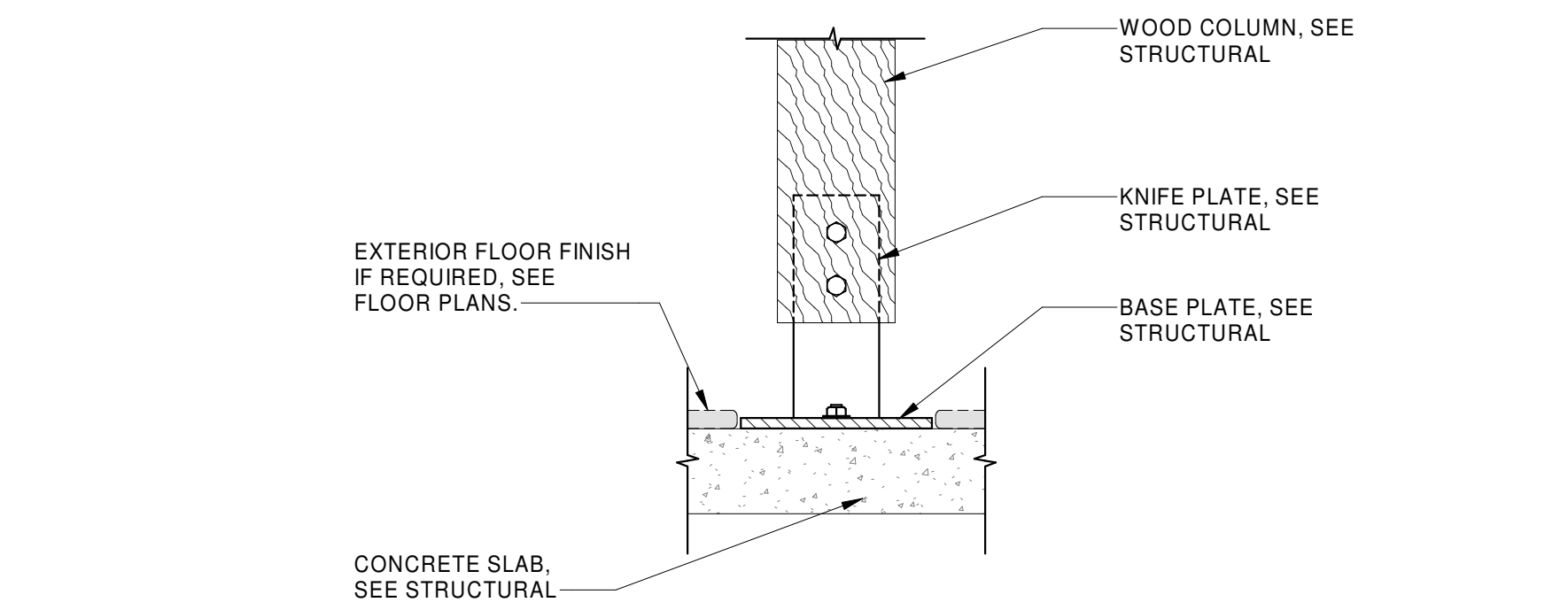
1 CONCRETE FOUNDATION WALL AT SLAB ON GRADE
A302 1 1/2" = 1'-0"



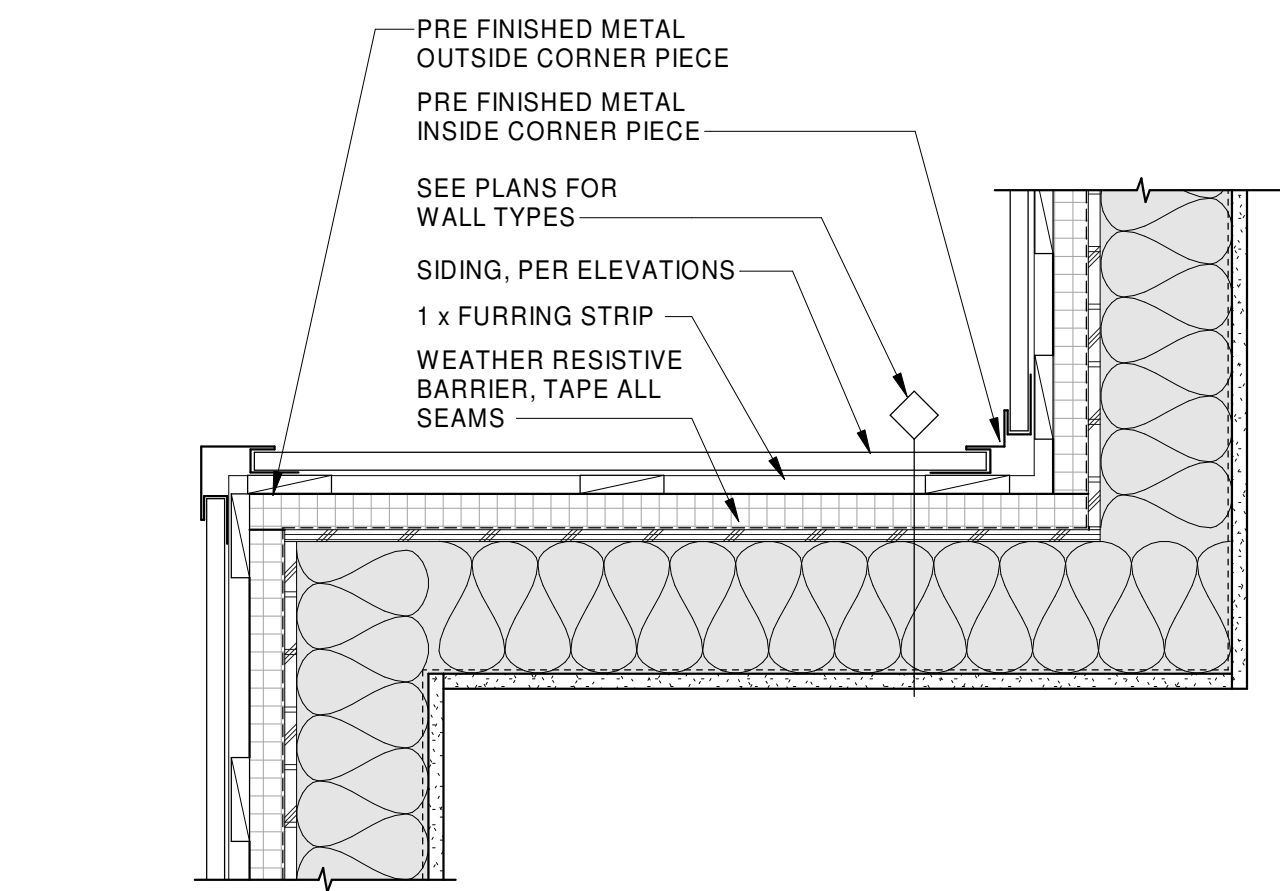
2 CONCRETE FOUNDATION WALL AT SLAB ON GRADE EXTERIOR PATIO
A302 1 1/2" = 1'-0"



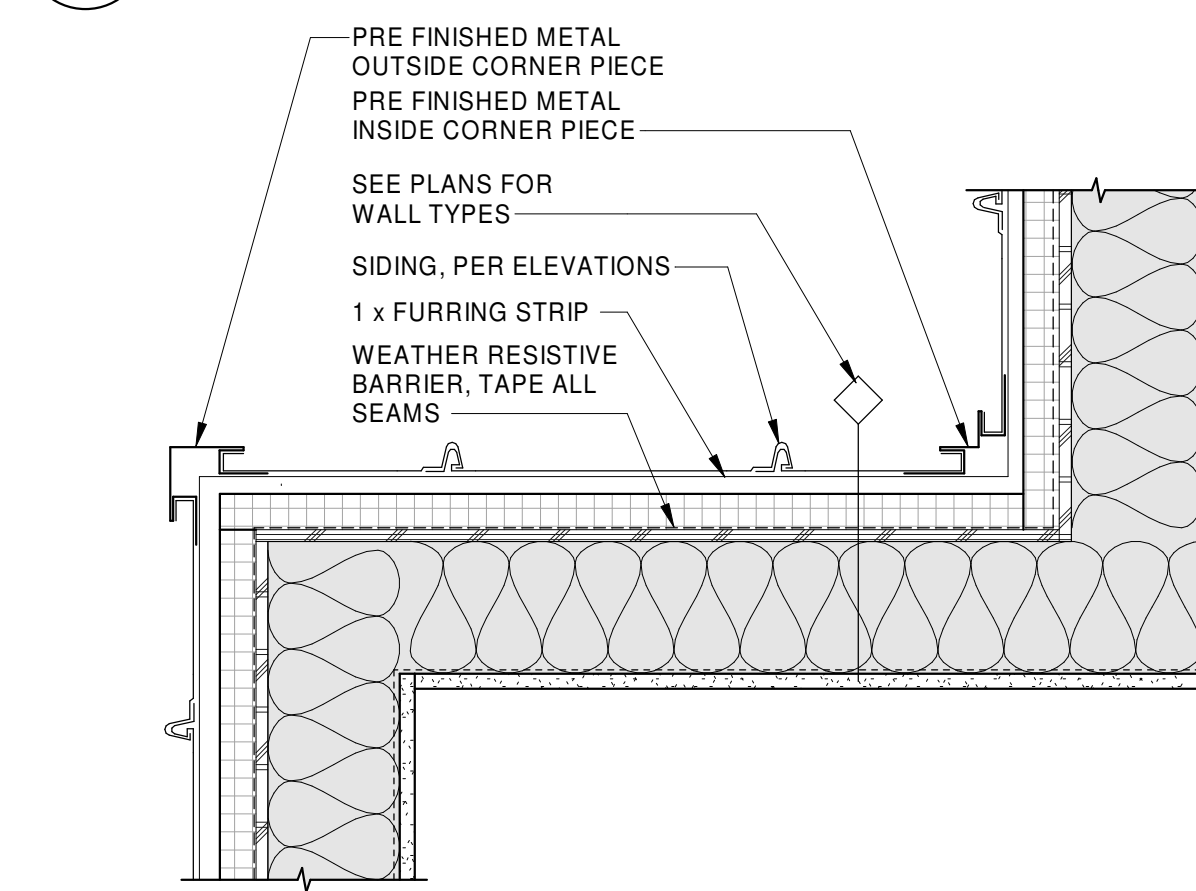
3 CONCRETE FOUNDATION WALL AT SLAB ON GRADE EXTERIOR PATIO DOOR
A302 1 1/2" = 1'-0"



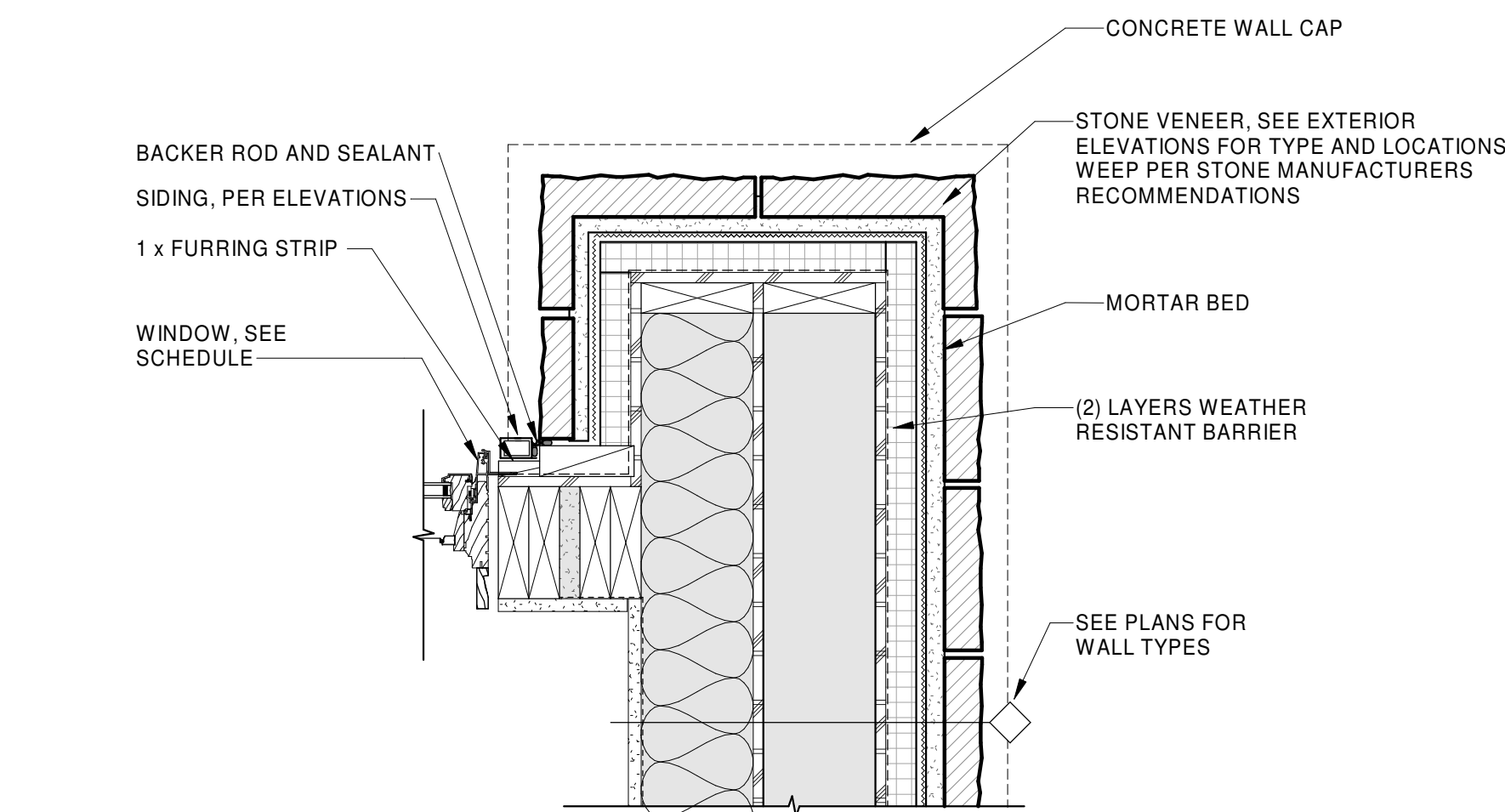
4 METAL STAND-OFF KNIFE PLATE COLUMN BASE @ CONC. SLAB
A302 1 1/2" = 1'-0"



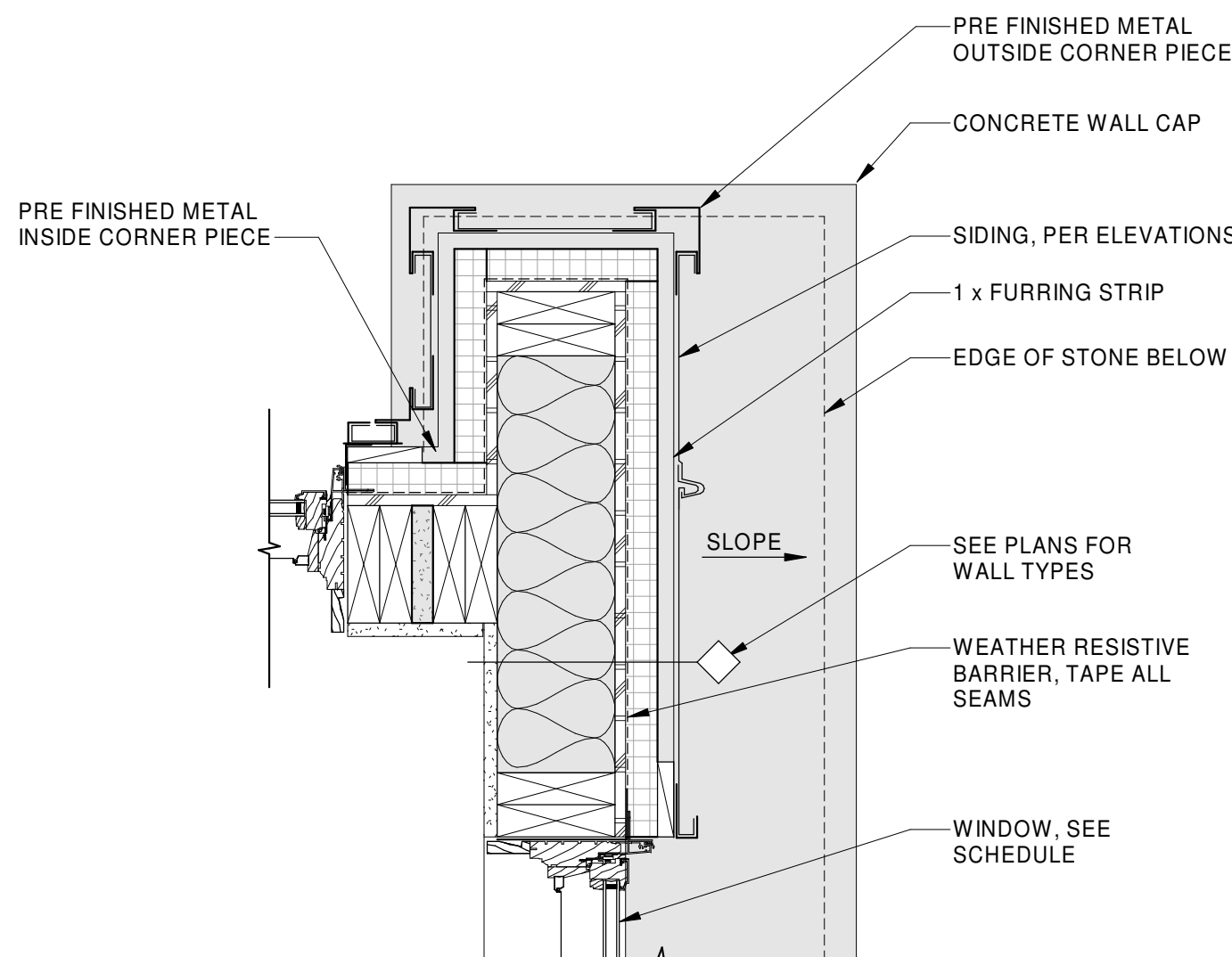
5 EXTERIOR METAL (HORIZ) TRIM DETAILS (OUTSIDE AND INSIDE)
A302 1 1/2" = 1'-0"



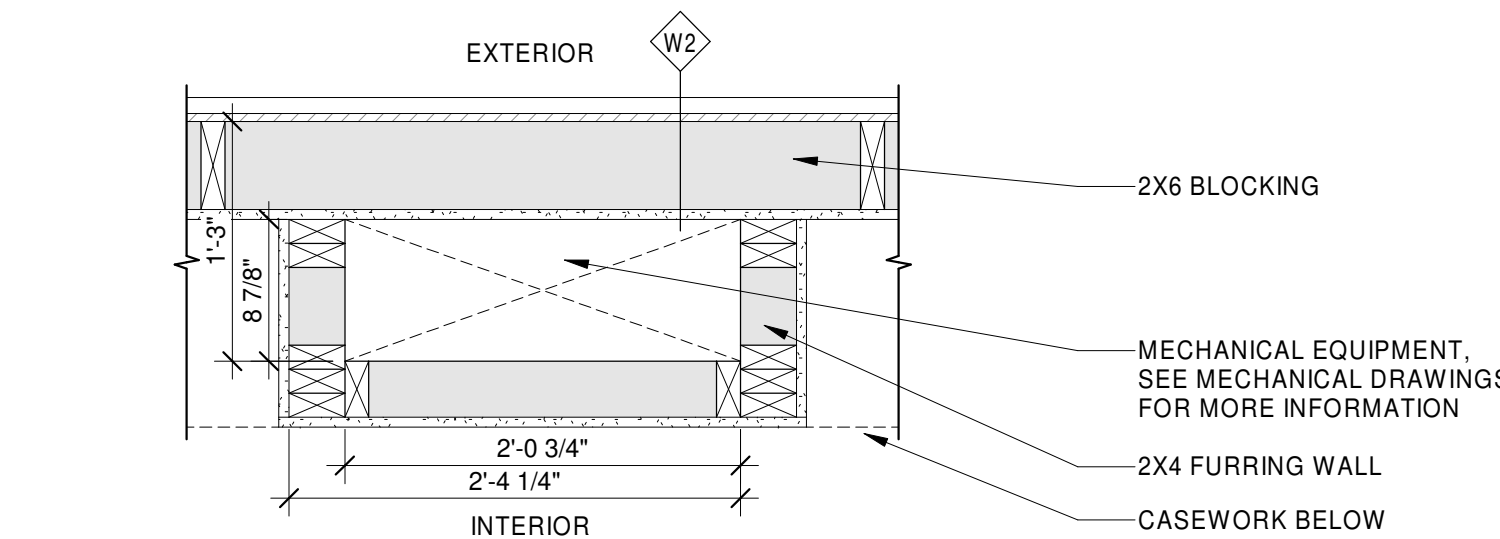
6 EXTERIOR METAL (VERT) TRIM DETAILS (OUTSIDE AND INSIDE)
A302 1 1/2" = 1'-0"



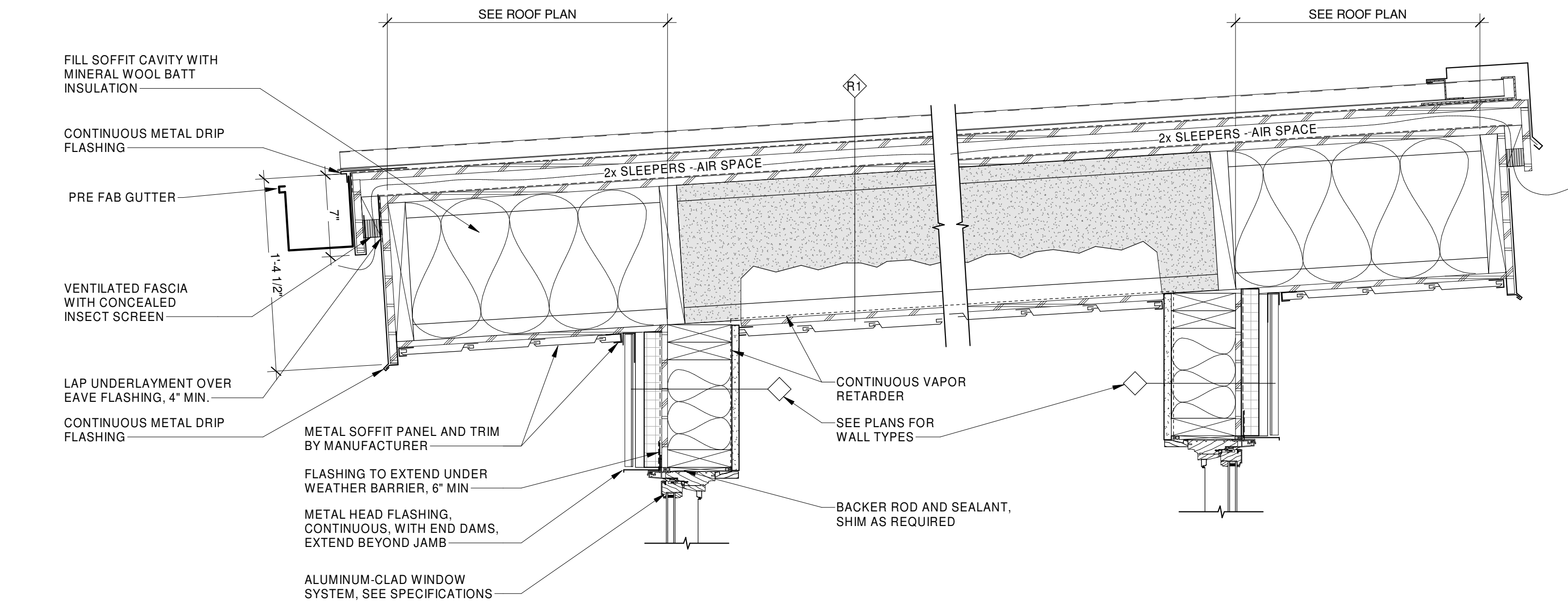
7 LOWER DOUBLE WALL AT WINDOW DETAIL
A302 1 1/2" = 1'-0"



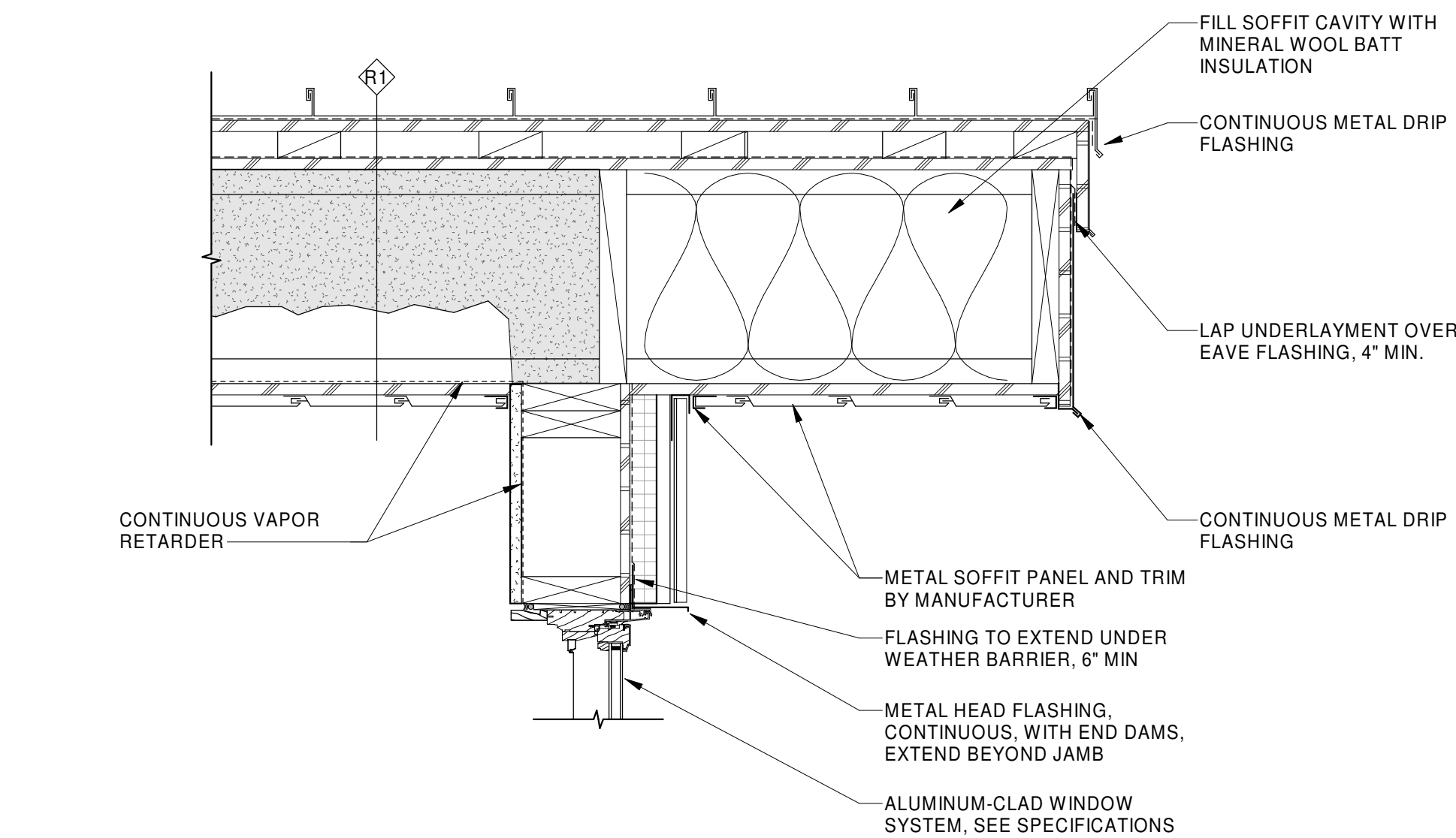
8 UPPER WALL AT WINDOW DETAIL
A302 1 1/2" = 1'-0"



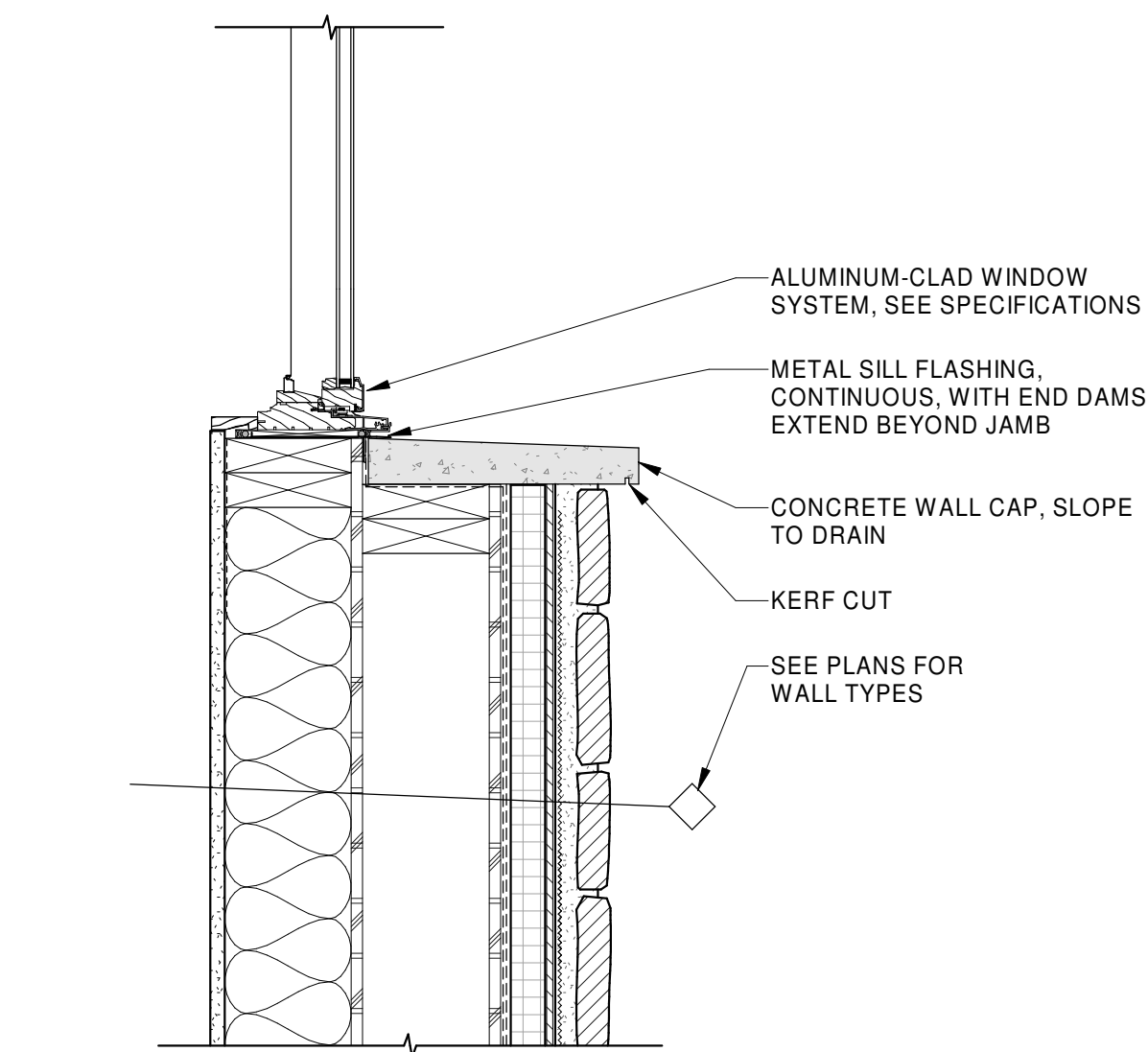
9 CHASE ABOVE STOVE DETAIL
A302 1" = 1'-0"



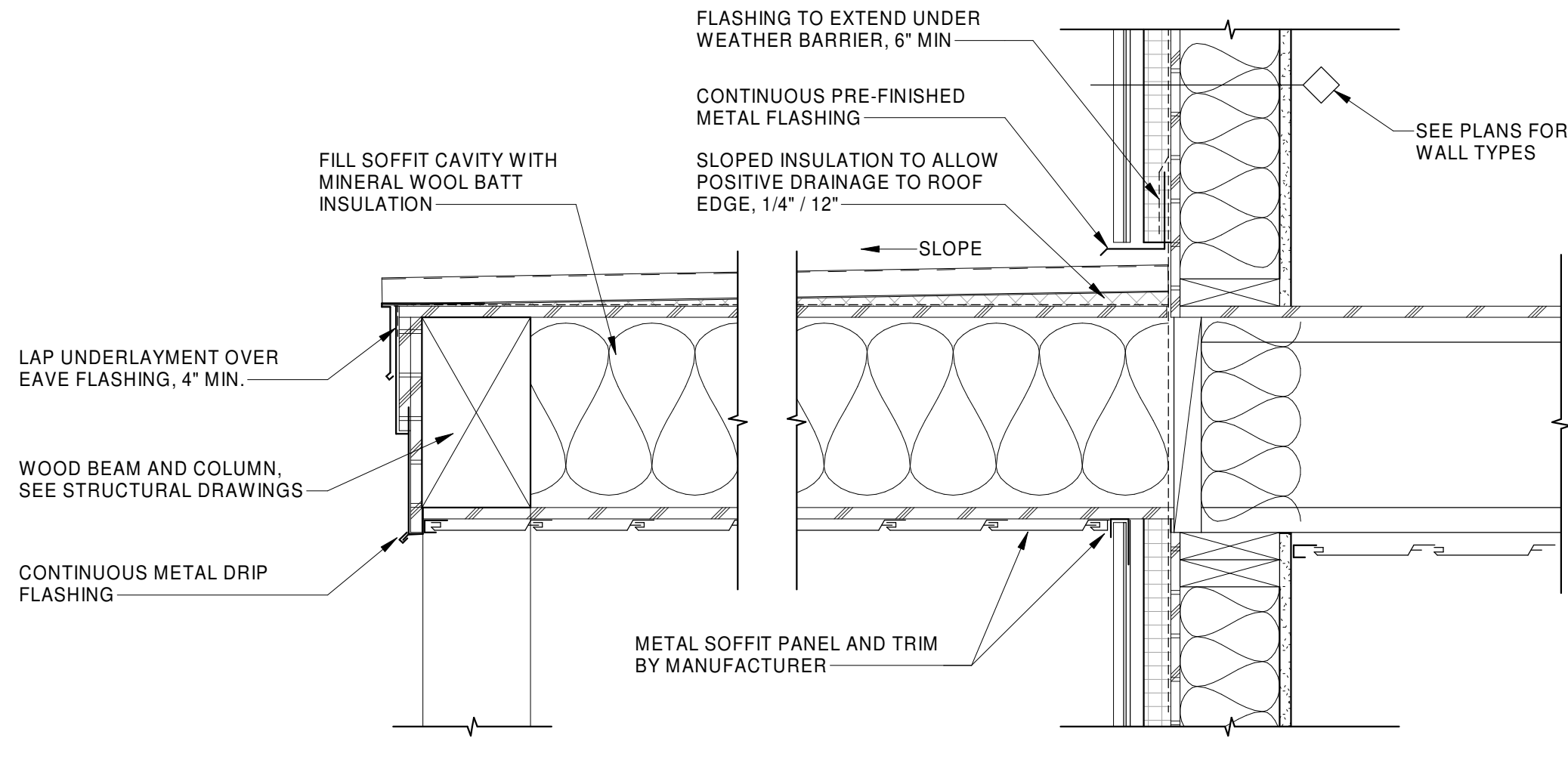
1 VENTED ROOF - ROOF OVERHANG AT UPPER AND LOWER SLOPE
A303 1 1/2" = 1'-0"



2 VENTED ROOF ROOF - OVERHANG AT RAKE
A303 1 1/2" = 1'-0"



3 DOUBLE WALL AND WALL CAP AT WINDOW
A303 1 1/2" = 1'-0"



4 ENTRY ROOF DETAIL
A303 1 1/2" = 1'-0"

FINISH PLAN LEGEND

NAME [101]	ROOM NAME AND NUMBER
AB## #	INTERIOR ELEVATION CALLOUT AND DIRECTION OF ELEVATION VIEW
XXXX	FINISH TAG
XXXX	EXTENT OF ACCENT PAINT OR WALL FINISHES

FINISH TAGS DISPLAYED IN GROUPING ON FINISH PLAN REPRESENT MAJORITY ROOM FINISH SELECTIONS. ORDER OF GROUPING DEFINED IN EXAMPLE BELOW:

XXXX	MAJORITY WALL FINISH
XX##	MAJORITY BASE FINISH
XX##	MAJORITY FLOOR FINISH

FLOOR FINISH 'RT1'

FLOOR FINISH 'FT1'

GENERAL FINISH NOTES

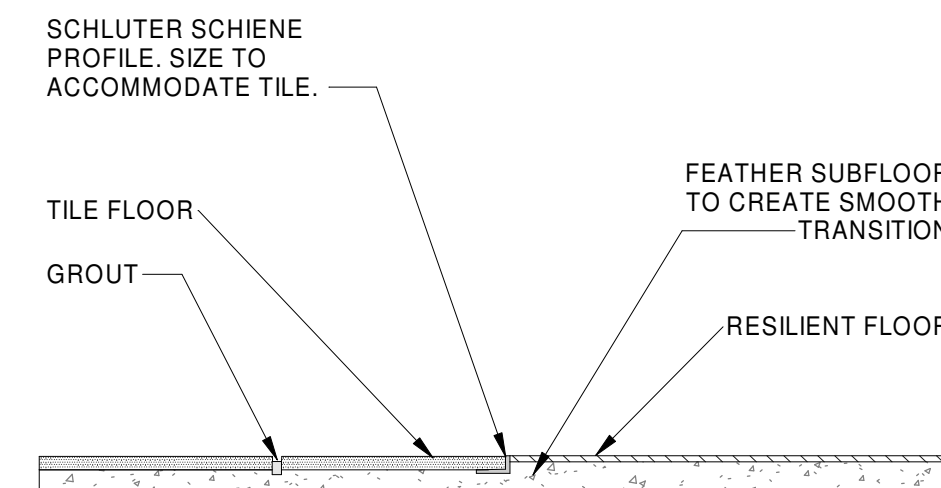
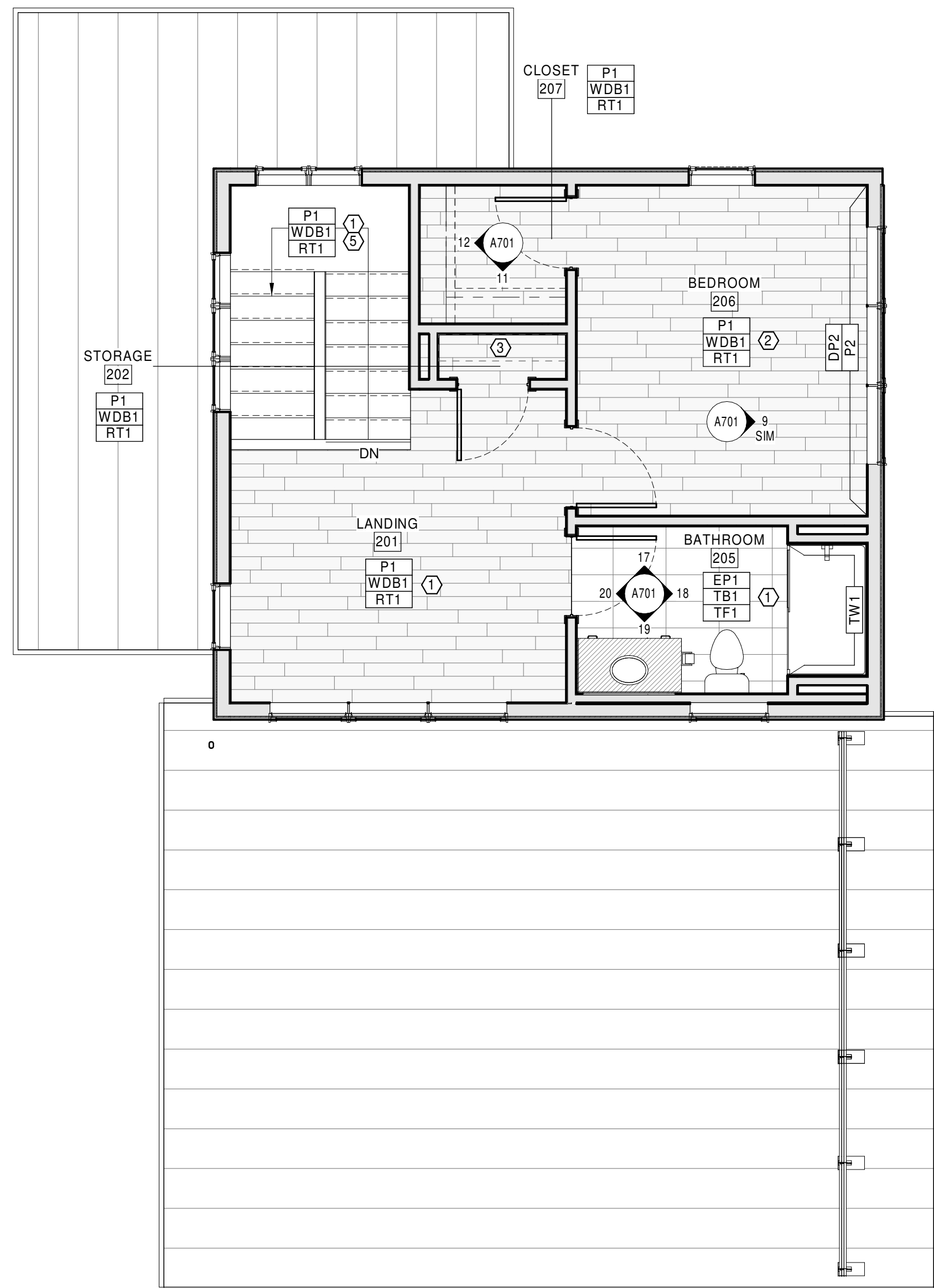
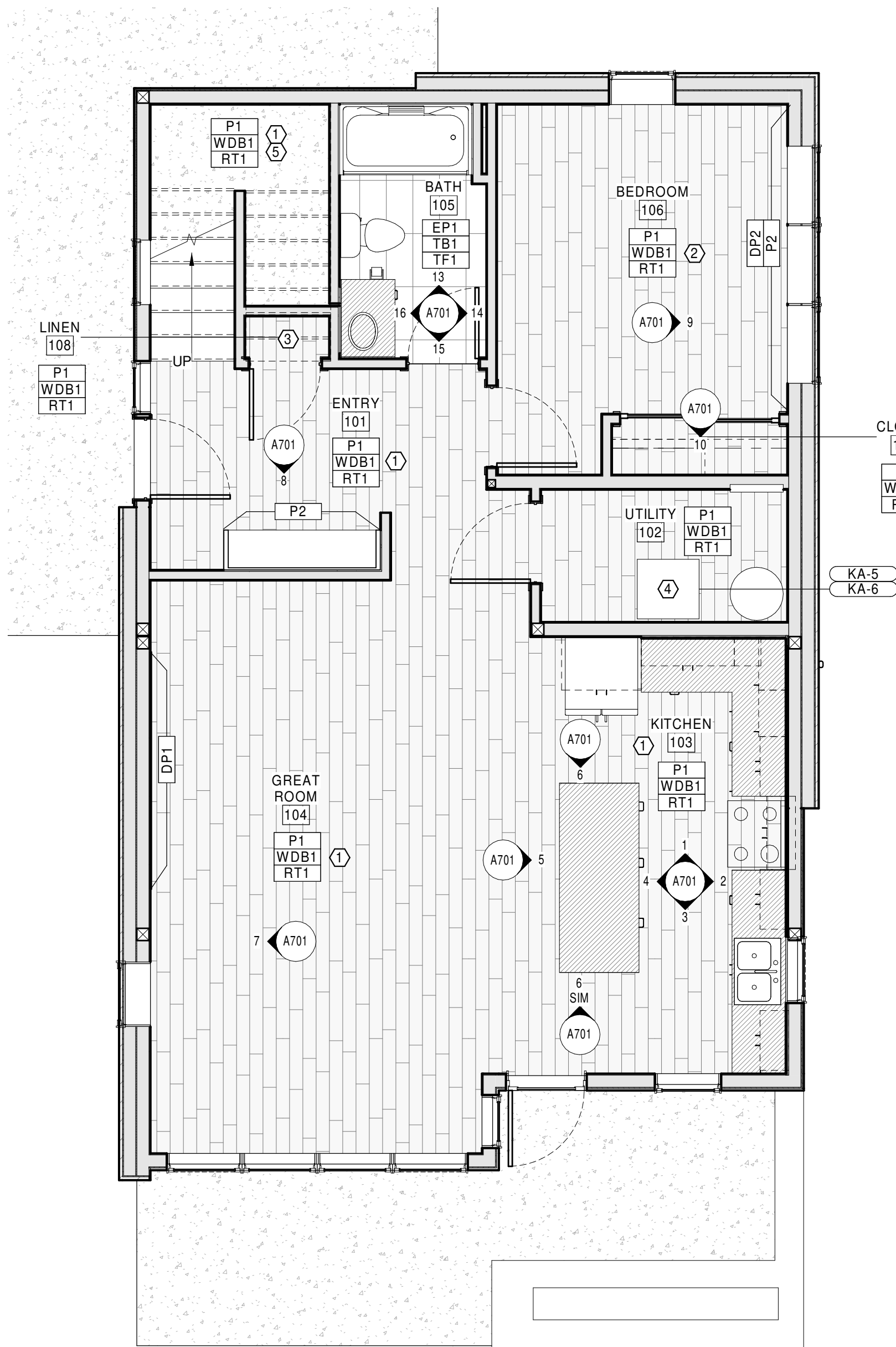
- ALL PRODUCTS ARE TO BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS, USING MANUFACTURER'S ADHESIVES, TOOLS, AND METHODS.
- REFER TO SPECIFICATIONS FOR ALL FINISH MATERIAL PRODUCT INFORMATION.
- COORDINATE ALL OWNER FURNISHED EQUIPMENT, ACCESSORIES, AND FURNITURE WITH OWNER AND/OR OWNER'S VENDOR.
- ALL FLOOR TRANSITIONS ARE TO OCCUR DIRECTLY BENEATH DOORS OR CENTERED IN OPENING UNLESS NOTED OTHERWISE.
- ALL FLOOR TRANSITIONS ARE TO BE ADA COMPLIANT.
- IN EACH ROOM OR AREA ESTABLISH LAYOUT OF TILED FINISH PRODUCTS TO BALANCE BORDER WIDTHS AT OPPOSITE EDGES. AVOID USING LESS THAN HALF-WIDTH TILES AT BORDERS UNLESS NOTED OTHERWISE.
- ALL GYPSUM WALLS TO BE PAINTED 'PT1' UNLESS OTHERWISE NOTED.
- ALL GYPSUM CEILINGS AND SOFFITS TO BE PAINTED 'P1' UNLESS OTHERWISE NOTED ON REFLECTED CEILING PLAN.
- ALL METAL ACCESS PANELS, COVER PLATES, VENTS, AND GRILLES TO BE PAINTED TO MATCH THE SURFACE IT IS LOCATED ON.

KEYNOTES

- INSTALL WINDOW SHADES 'WS1' AT EXTERIOR WINDOWS AND DOORS UNLESS OTHERWISE NOTED ON ELEVATIONS.
- INSTALL WINDOW SHADES 'WS2' AT EXTERIOR WINDOWS.
- PANTRY STORAGE 'CL2': INCLUDE 5 ADJUSTABLE SHELVES/BRACKETS
- STACKED WASHER/DRYER. SEE KITCHEN EQUIPMENT SCHEDULE ON A701.
- INSTALL HANDRAIL 'HR1' AT STAIRS.

MATERIALS LIST

ITEM NO	PRODUCT TYPE	MANUFACTURER	DESCRIPTION	COLOR	SIZE	NOTES
BASE						
TB1	TILE BASE	EMSER	STERLINA II, BULLNOSE	GRAY, MATTE	12" X 6"	INSTALL WITH 'TR1' TOP TRIM
WDB1	WOOD BASE	PROVIDED BY GC	HARDWOOD, EASED TOP EDGE	PAINT TO MATCH WALL COLOR	1/2" THICK X 5-1/2"H	
CEILING						
WDC1	WOOD CEILING	LONGBOARD	EDURA LINEAR DIRECT MOUNT	LIGHT OLIVE	6" GROOVE PLANK	INSTALL WITH MANUFACTURERS STANDARD MOUNT SYSTEM WITH STAGGERED BUTT JOINTS
FLOOR						
RT1	RESILIENT FLOORING	TAS CONTRACT	LEVELS 5MM COLLECTION	HORIZON	9-1/4" X 59-1/4" PLANK	USE MANUFACTURERS ADHESIVE OVER HYDRONIC HEATED FLOOR SYSTEMS
SN1	STAIR NOSING	TAS FLOORING	QNOSE, LV GLUE DOWN	MATCH FLOORING		PROVIDE IN SIZES AND PROFILES NECESSARY FOR COMPLETE INSTALLATION
TF1	TILE FLOOR	EMSER	STERLINA II	GRAY, MATTE	12" X 24"	MONOLITHIC INSTALLATION. GROUT: LATICRETE, COLOR: 78 STERLING SILVER
MILLWORK						
CW1	MANUFACTURED CASEWORK	MERILLAT	CLASSIC VANCE SQ	LAMINATE WHITE		TRADITIONAL OVERLAY, STANDARD CABINETS
CW2	MANUFACTURED CASEWORK	MERILLAT	CLASSIC FUSION	MAPLE DUSK		
CW3	MANUFACTURED CASEWORK	MERILLAT	CLASSIC FUSION	BASALT		
HW1	HARDWARE	RAVINTE HARDWARE	SQUARE KITCHEN CABINET HANDLES	MATTE BLACK	8"	PROVIDE ON ALL UPPER CABINETS
HW2	HARDWARE	PEAHA	DOOR EDGE FINGER PULL FOR KITCHEN CABINETS	BLACK	10"	PROVIDE ON ALL BASE CABINETS
SS1	SOLID SURFACE	LX HAUSYS	HIMACS	CALACATTA FIORE M802L, WHITE		
SS2	SOLID SURFACE	LX HAUSYS	HIMACS	SHADOW CONCRETE M552, GRAY		
WD1	WOOD CASING	PROVIDED BY GC	RIFT CUT WHITE OAK	STAIN TO MATCH ARCHITECTS SAMPLE	1.5"W X 1"D	INSTALL CASING AT ALL INTERIOR DOORS AND WINDOWS
MISC.						
CH1	COAT HOOK	DELTA	TRINSIC ROBE HOOK	MATTE BLACK	1-1/8"W X 3-1/8"H X 3"D	INTALL 4'-6" AFF
CL1	CLOSET STORAGE	EVERBUILT	HEAVY-DUTY SHELF AND ROD BRACKET	MATTE BLACK	8" D	INSTALL WITH ADJUSTABLE MATTE BLACK CLOSET ROD AND 12" DEEP WHITE LAMINATE SHELVES
CL2	PANTRY STORAGE	EVERBUILT	SHELF TRACKS HEAVY-DUTY VERTICAL RAIL SYSTEM	WHITE	14" D SHELF	INSTALL WITH 5 WHITE LAMINATE SHELVES AND WHITE ADJUSTABLE SHELF BRACKETS
HR1	WOOD HAND RAIL	EVERMARK STAIR PARTS	6042 UNFINISHED POPLAR SOLID WALL HANDRAIL	STAIN TO MATCH FLOORING	2-1/4"W X 1-1/4"H	INSTALL USING EVERBUILT MATTE BLACK DECORATIVE HANDRAIL BRACKET
MR1	MIRROR	HOME DEPOT	NIVEAL CLASSIC FRAME COLLECTION	MATTE BLACK	36"H X 30"W X 1.5"D	
MR2	MIRROR	HOME DEPOT	NIVEAL CLASSIC FRAME COLLECTION	MATTE BLACK	36"H X 42"W X 1.5"D	
SH1	SHOWER NICHE	SCHLUTER	DESIGN-NICHE	MATTE BALCK	48" W	RECESSED INSTALLATION METHOD
SH2	SHOWER DOOR	DELTA SHOWER DOORS	ASHMORE 8MM SHOWER DOOR	MATTE BALCK	60"	
WS1	WINDOW SHADES	GRABER	ENDEAVOR	0374-LSC ELEGANT DOVE		BOTTOM UP/TOP DOWN CORDLESS LIFT CONTROL
WS2	WINDOW SHADES	GRABER	DISCOVERY (BLACKOUT)	0191-LSC ELEGANT DOVE		BOTTOM UP/TOP DOWN CORDLESS LIFT CONTROL
TRANSITIONS						
TR1	TRANSITION PROFILE	SCHLUTER	JOLLY	GM METALLIC GREY		INSTALL ON EXPOSED EDGES OF TILE
TR2	TRANSITION PROFILE	SCHLUTER	SCHIENE	GM METALLIC GREY		INSTALL BETWEEN TILE AND RESILIENT FLOORING
WALL						
DP1	DECORATIVE PANEL	PROVIDED BY GC	RIFTCUT WHITE OAK	STAIN TO MATCH ARCHITECTS SAMPLE	3" X 1/2" TUNG AND GROOVE PLANKS	STACKED VERTICAL INSTALLATION - SEE ELEVATION
DP2	DECORATIVE WOOD WALL	PROVIDED BY GC	HARDWOOD TRIM ATTACHED TO GYP.	PAINT P2	SEE ELEVATION	PAINT GYP WALL BETWEEN/BEHIND TRIM TO MATCH TRIM COLOR. SEE ELEVATION
EP1	EPOXY PAINT					
P1	PAINT	SHERWIN WILLIAMS		SNOWBOUND 7004		
P2	PAINT	SHERWIN WILLIAMS		IRON ORE 7069		
TW1	TILE WALL	EMSER	STERLINA II	GRAY, MATTE	12" X 24"	STACKED VERTICAL INSTALLATION. GROUT: LATICRETE, COLOR: 78 STERLING SILVER



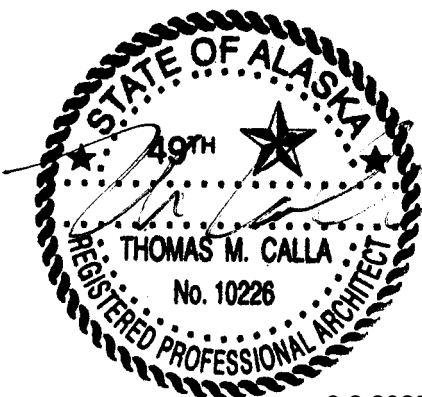
1 FIRST FLOOR FINISH PLAN
1/4" = 1'-0"

2 SECOND FLOOR FINISH PLAN
1/4" = 1'-0"

3 'TR2' TRANSITION - TILE TO RESILIENT TILE
6" = 1'-0"

SEARHC WORKFORCE HOUSING
1064 ZIMOVIA HIGHWAY, WRANGELL, AK 99929

SINGLE FAMILY TWO STORY (SHED ROOF)



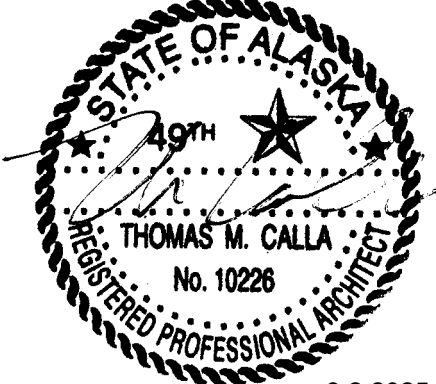
9.2.2025
© 2025 | ALL RIGHTS RESERVED

CONSTRUCTION
DOCUMENTS

08.29.2025
PROJ# | SEARHC_WRNGLWFH
DESIGNED BY | KOEL
DRAWN BY | MARKUSON
REVIEWED BY | DUNBAR
REVISIONS

FINISH PLANS,
SCHEDULES & DETAILS

A501



GENERAL NOTES

- A. SCREENS TO BE INSTALLED ON ALL OPERABLE WINDOWS.
B. SEE SPECIFICATIONS FOR BASIS OF DESIGN FOR WINDOWS AND DOORS.

DOOR, FRAME AND HARDWARE SCHEDULE

DOOR NUMBER	ROOM NUMBER	ROOM NAME	DOOR		GLAZE	NOTES	FRAME			FIRE RATING	HARDWARE NOTES
			SIZE	MTL			MTL	TYPE	NOTES		
			W H								
101-1	101	ENTRY	3'-0" 7'-10"	FB	SL		CMP	1			4
102-1	102	UTILITY	3'-0" 8'-0"	WD	F		WD	1			1,2
103-1	103	KITCHEN	3'-0" 8'-0"	AL	FG	IN	AL	2			4
105-1	105	BATH	2'-8" 8'-0"	WD	F		WD	1			3
106-1	106	BEDROOM	3'-0" 8'-0"	WD	F		WD	1			3
107-1	107	CLOSET	6'-0" 7'-0"	WD	FS	SLIDING	WD	1			2
108-1	108	LINEN	2'-8" 8'-0"	WD	F		WD	1			2
202-1	202	STORAGE	2'-8" 8'-0"	WD	F		WD	1			2
205-1	205	BATHROOM	3'-0" 8'-0"	WD	F		WD	1			3
206-1	206	BEDROOM	3'-0" 8'-0"	WD	F		WD	1			3
207-1	207	CLOSET	2'-8" 8'-0"	WD	F		WD	1			2

DOOR HARDWARE

ABBREVIATIONS

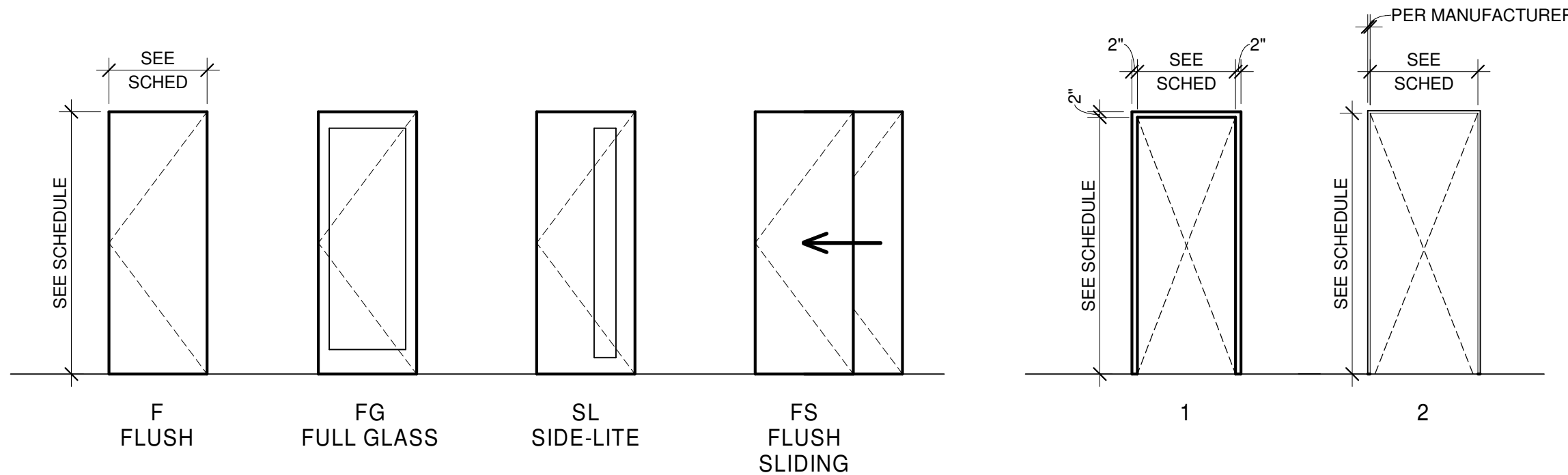
AL ALUMINUM-CLAD
IN 1" INSULATED TEMPERED GLAZING
T 1/4" TEMPERED GLAZING
WD WOOD
FB FIBERGLASS
CMP COMPOSITE

FRAME NOTES

1. NOT USED

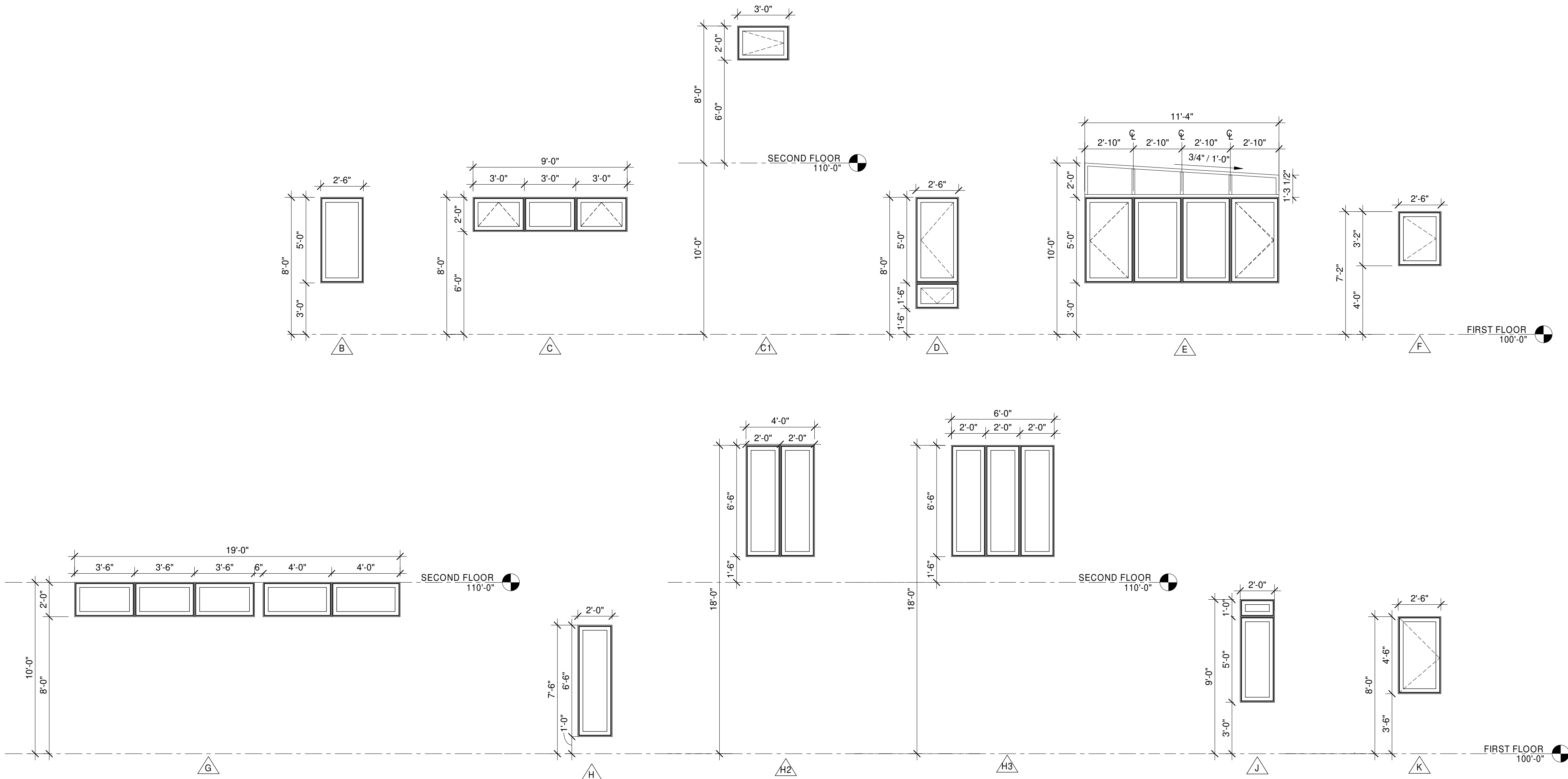
HARDWARE NOTES

1. HINGE STOPPERS (2)
2. PASSAGE SET
3. PRIVACY LOCKSET
4. ENTRY LOCKSET

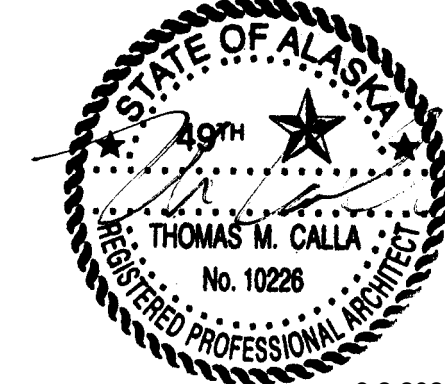


DOOR TYPES

FRAME TYPES



WINDOW TYPES



© 2025 | ALL RIGHTS RESERVED

CONSTRUCTION
DOCUMENTS08.29.2025
PROJ# | SEARHC_WRLGLWFH
DESIGNED BY | KOEL
DRAWN BY | MARKUSON
REVIEWED BY | DUNBAR
REVISIONSENLARGED PLANS,
INTERIOR
ELEVATIONS, AND
DETAILS

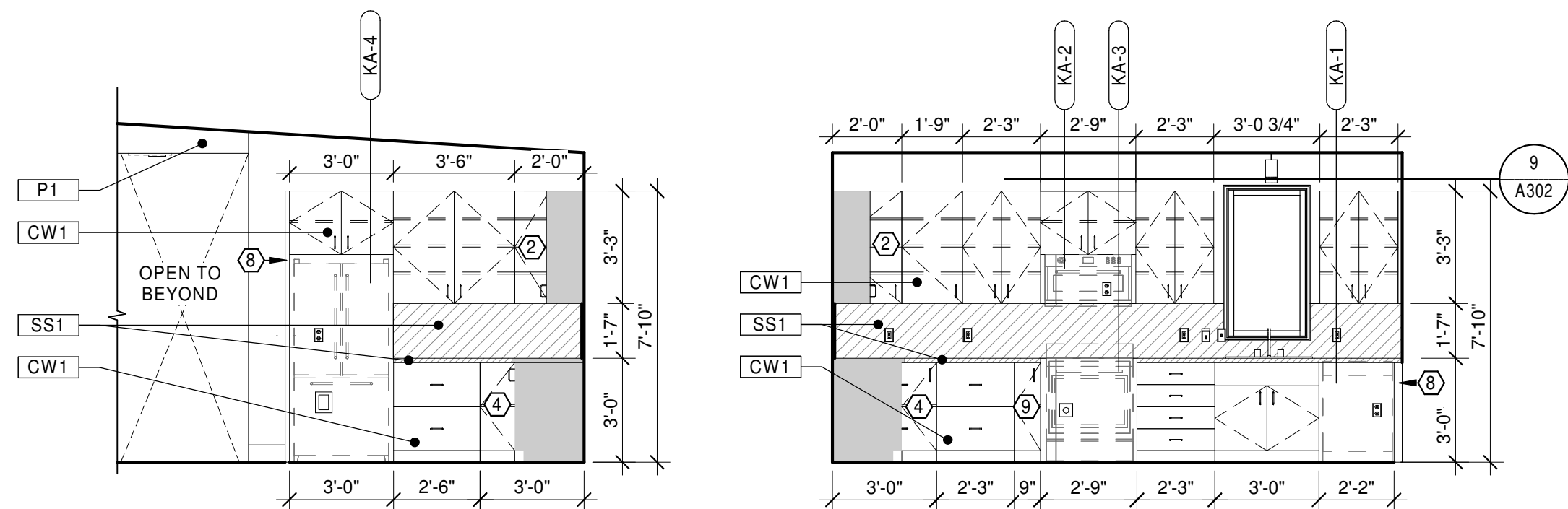
A701

GENERAL NOTES

- A. VERIFY ALL CONDITIONS AND DIMENSIONS IN FIELD. IF MEASUREMENTS IN FIELD DEVIATE FROM THE DIMENSIONS SHOWN WITHIN THESE DOCUMENTS BY GREATER THAN 6" OR AFFECT DESIGN INTENT COORDINATE AND NOTIFY THE PROJECT ARCHITECT PRIOR TO CONTINUING WORK.
- B. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
- C. FOR BUILDING OCCUPANCY PLAN, FIRE-RESISTANCE CONSTRUCTION, AND ALL CODE RELATED INFORMATION, RE: G100'S.
- D. FOR INTERIOR WALL/PARTITION ASSEMBLIES AND TYPES, RE: A100'S.
- E. FOR ROOM, WALL BASE, AND CASEWORK FINISHES, RE: A500'S.
- F. FOR DOOR AND WINDOW FRAME TYPES AND GLAZING TYPES, RE: A600'S.
- G. FOR CEILING HEIGHTS AND ADDITIONAL INFORMATION, RE: A900'S.
- H. ALL DIMENSIONS ARE TO FACE OF STUD FOR GYPSUM BOARD WALLS OR TO THE FACE OF EXISTING FINISH WALL SURFACE, UNLESS OTHERWISE NOTED.
- I. ALL DOORS SET WITH 4" STUD RETURN AT HINGE SIDE OF DOOR FRAME TO PERPENDICULAR WALL, UNLESS OTHERWISE NOTED.
- J. ALL WALLS GO TO UNDERSIDE OF DECK UNLESS OTHERWISE NOTED.
- K. PROVIDE WOOD BLOCKING IN WALL AS NEEDED FOR ALL MOUNTED EQUIPMENT, CASEWORK, ACCESSORIES, AND HARDWARE PER SPECIFICATION DIVISION 6. SECTION "ROUGH CARPENTRY." COORDINATE WITH WALL TYPES.
- L. COORDINATE OWNER FURNISHED EQUIPMENT, ACCESSORIES, AND FURNITURE WITH OWNER AND/OR OWNER'S VENDOR.
- M. ALL TOILET ACCESSORIES TO BE INSTALLED PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
- N. COORDINATE ALL PENETRATIONS WITH RESPECTIVE TRADES AT BOTH RATED AND NON-RATED WALLS, FLOORS, AND CEILINGS.
- O. COORDINATE ALL PLUMBING FIXTURES AND FINAL PLUMBING FIXTURE LOCATIONS WITH PLUMBING DRAWINGS AND SPECIFICATIONS.
- P. COORDINATE ALL ELECTRICAL FIXTURES AND FINAL ELECTRICAL FIXTURE LOCATIONS WITH ELECTRICAL DRAWINGS AND SPECIFICATIONS, INCLUDING LIGHT FIXTURES, SWITCHES, AND OUTLETS.
- Q. PROVIDE 1" FILLER PANEL AT HINGE SIDE OF CASEWORK WHEN ADJACENT TO WALLS.
- R. PROVIDE FINISHED END PANEL TO MATCH ADJOINING CABINET ALL LOCATIONS WHERE CABINET END IS EXPOSED TO ROOM OR OPEN KNEE SPACE.

KEYNOTES

- 1 PREFAB SHOWER PAN. SEE PLUMBING
- 2 WALL EASY REACH CABINET
- 3 WASTEBASKET BASE CABINET
- 4 CORNER BASE CABINET - REVOLVING
- 5 BASE POTS AND PANS STORAGE
- 6 NO WINDOW SHADES AT THIS WINDOW
- 7 ELECTRIC FIREPLACE WITH RECESSED INSTALLATION. SEE ELECTRICAL
- 8 PROVIDE END PANELS TO MATCH CABINETS
- 9 BASE FILLER PULL OUT
- 10 WOOD BASE TO BE PAINTED 'P2' WHEN INSTALLED BELOW DECORATIVE WOOD WALL 'DP2'
- 11 BATHTUB WITH FIBERGLASS SURROUND. SEE PLUMBING

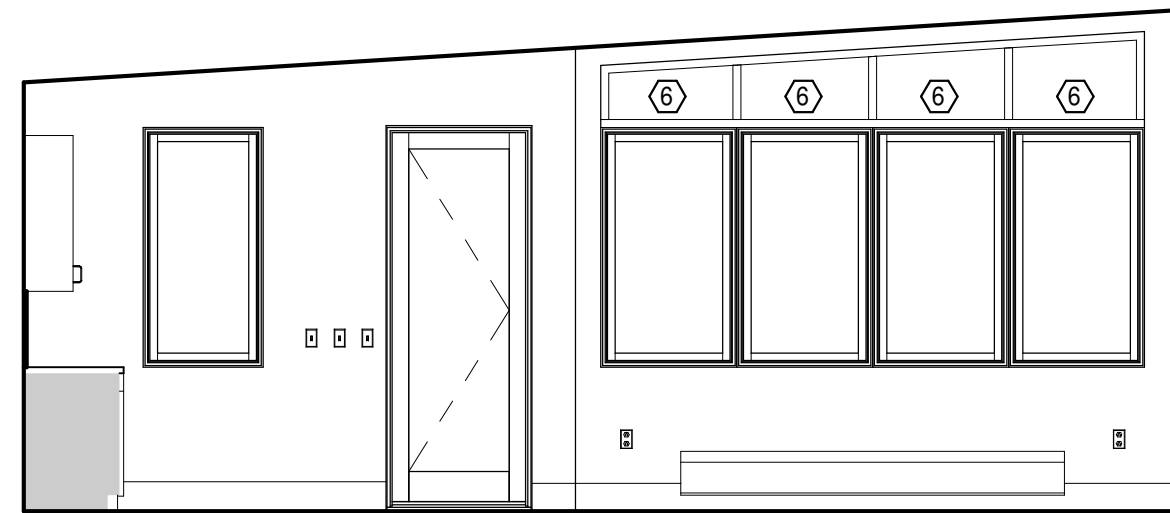


1 KITCHEN - NORTH

A701 1/4" = 1'-0"

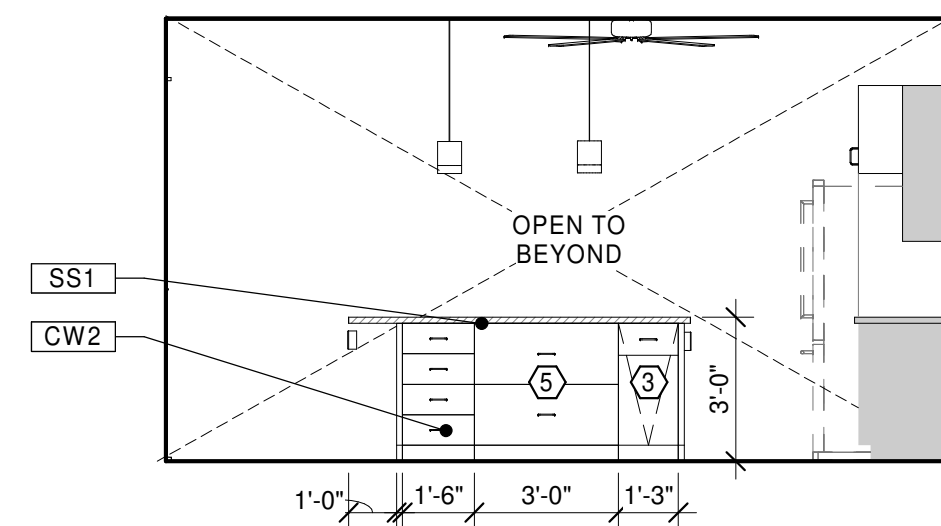
2 KITCHEN - EAST

A701 1/4" = 1'-0"



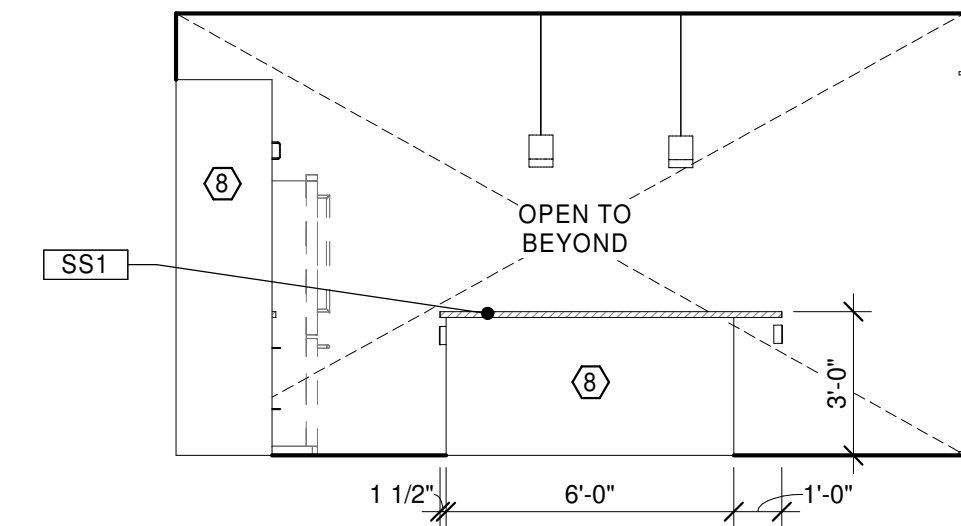
3 KITCHEN/GREAT ROOM - SOUTH

A701 1/4" = 1'-0"



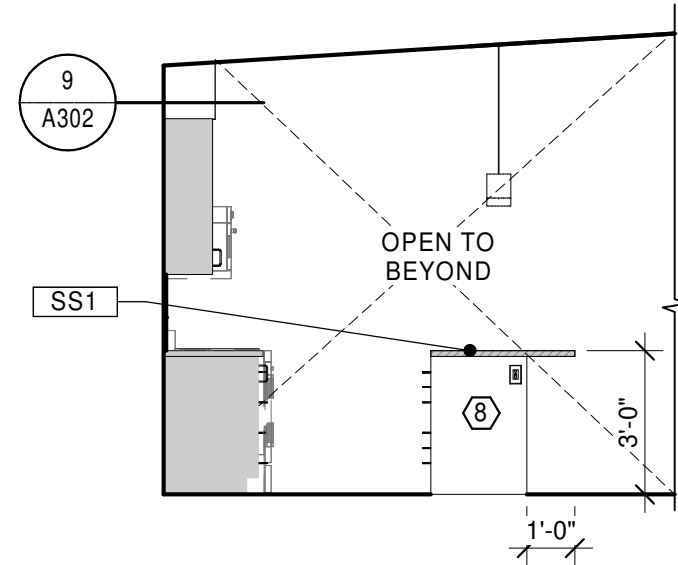
4 KITCHEN ISLAND - WEST

A701 1/4" = 1'-0"



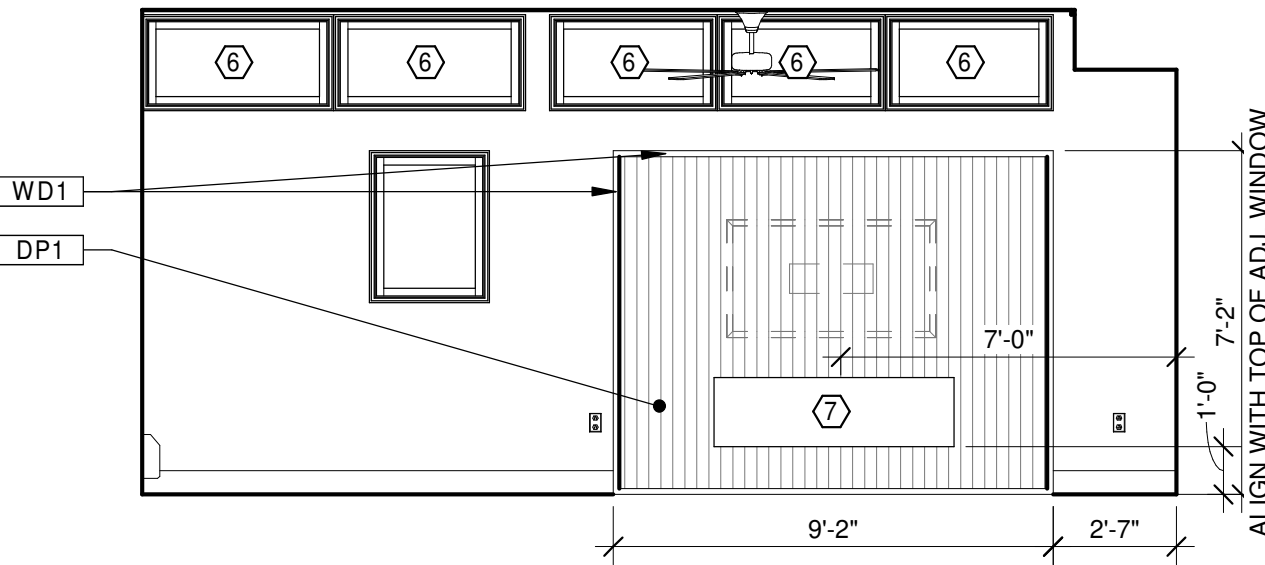
5 KITCHEN ISLAND - EAST

A701 1/4" = 1'-0"



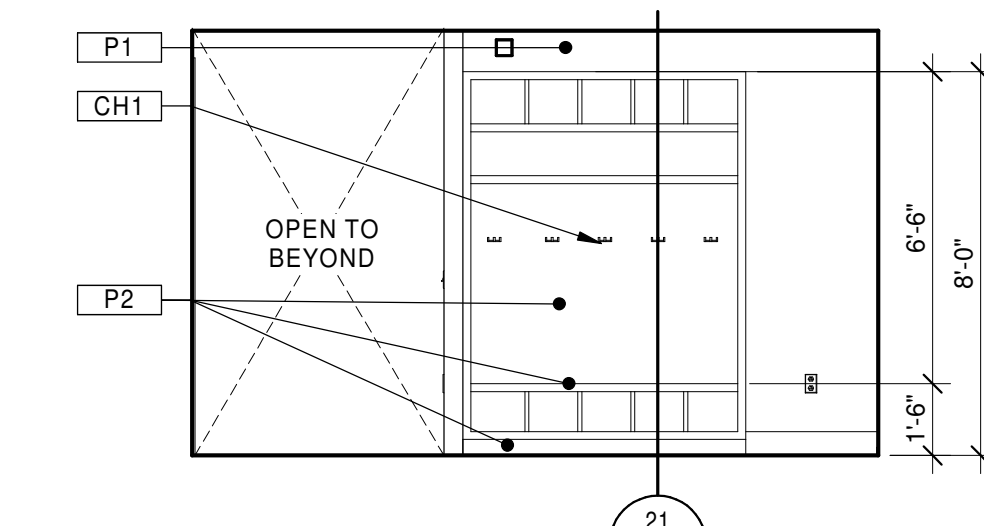
6 KITCHEN ISLAND - SOUTH

A701 1/4" = 1'-0"



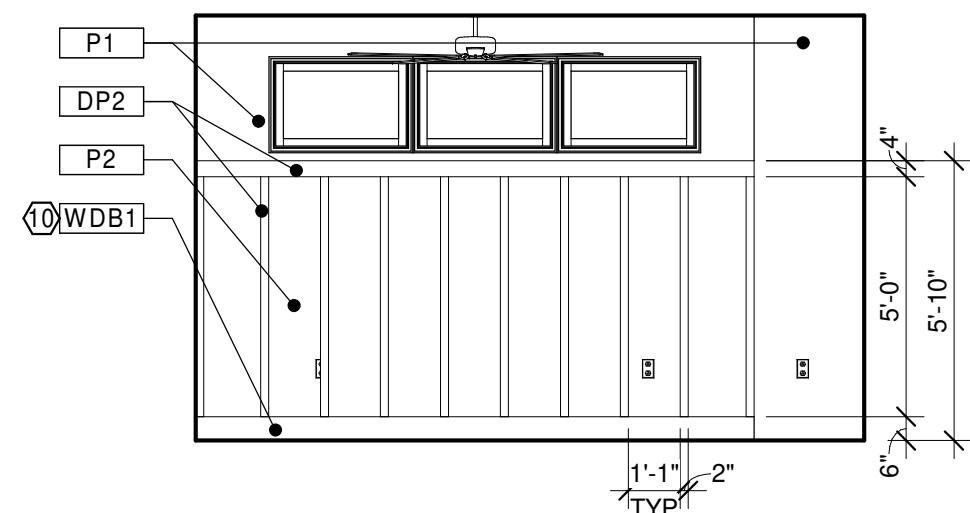
7 GREAT ROOM - WEST

A701 1/4" = 1'-0"



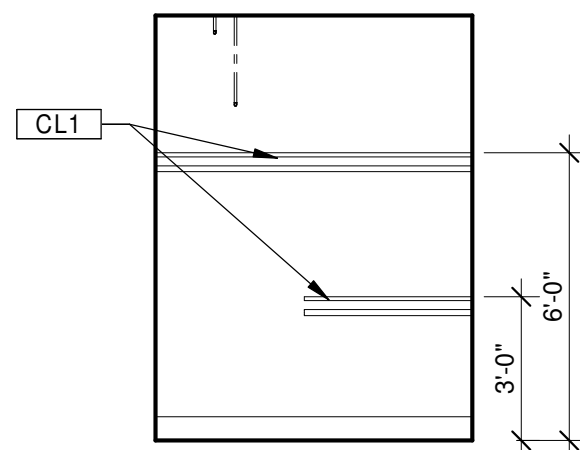
8 ENTRY - SOUTH

A701 1/4" = 1'-0"



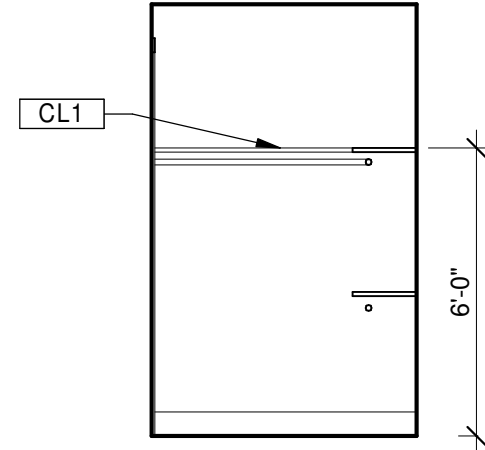
9 BEDROOM 106 - EAST

A701 1/4" = 1'-0"



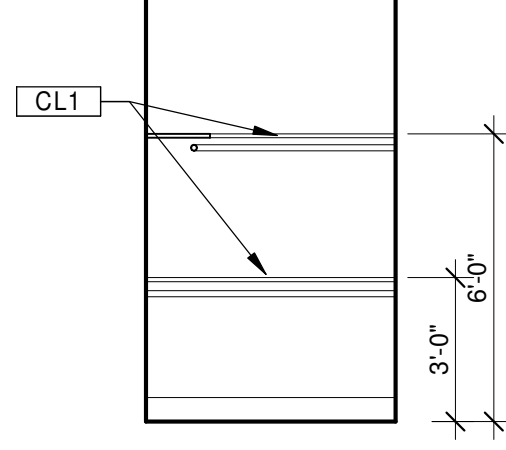
10 CLOSET 107 - SOUTH

A701 1/4" = 1'-0"



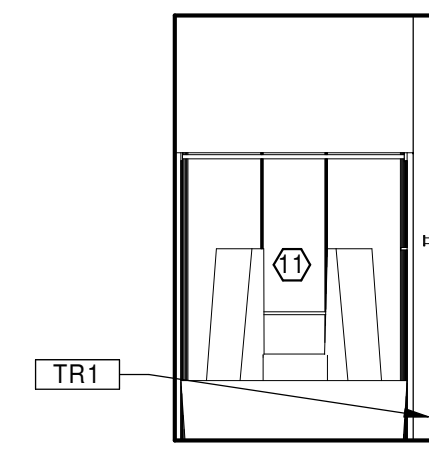
11 CLOSET 207 - SOUTH

A701 1/4" = 1'-0"



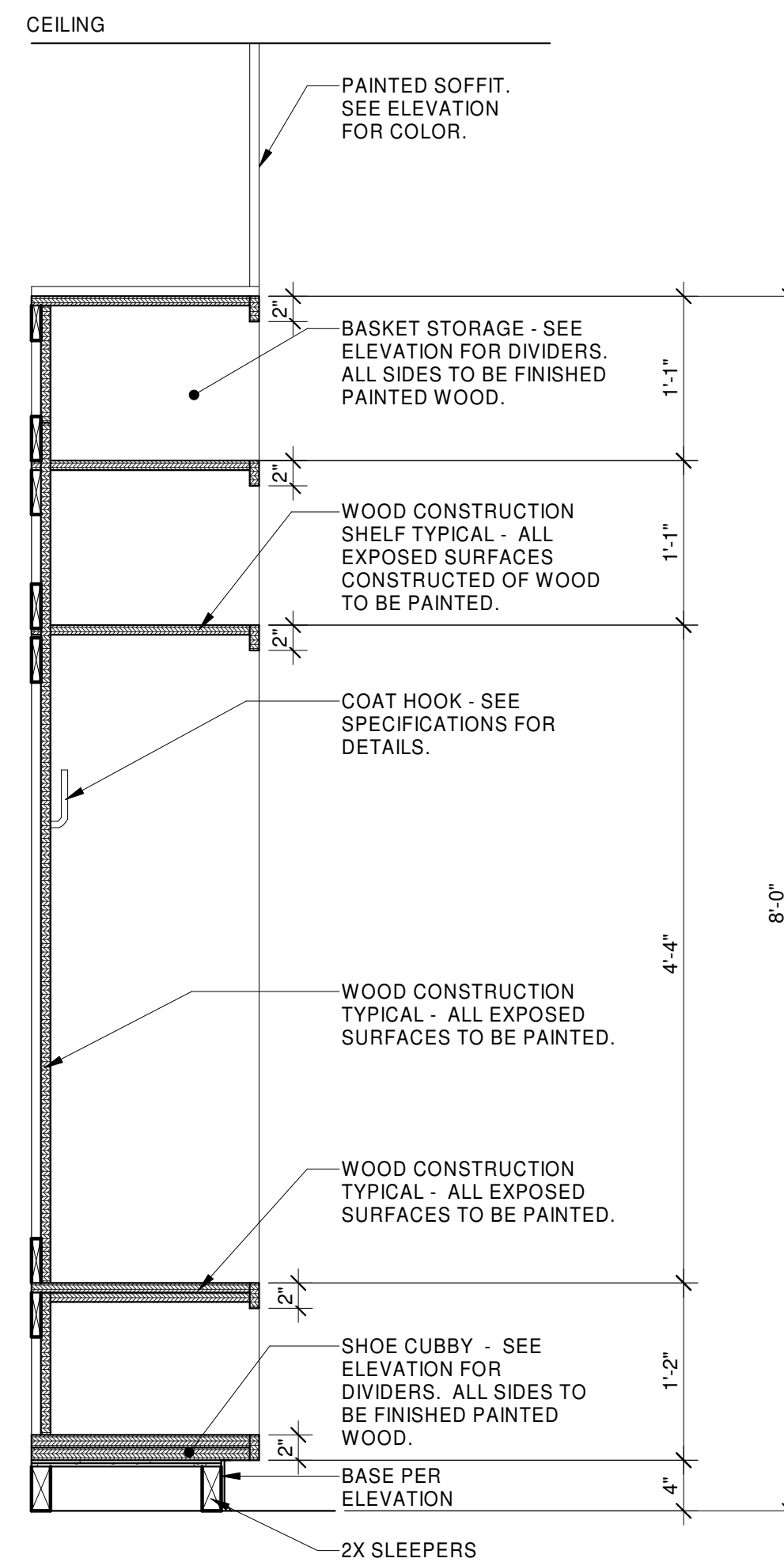
12 CLOSET 207 - WEST

A701 1/4" = 1'-0"



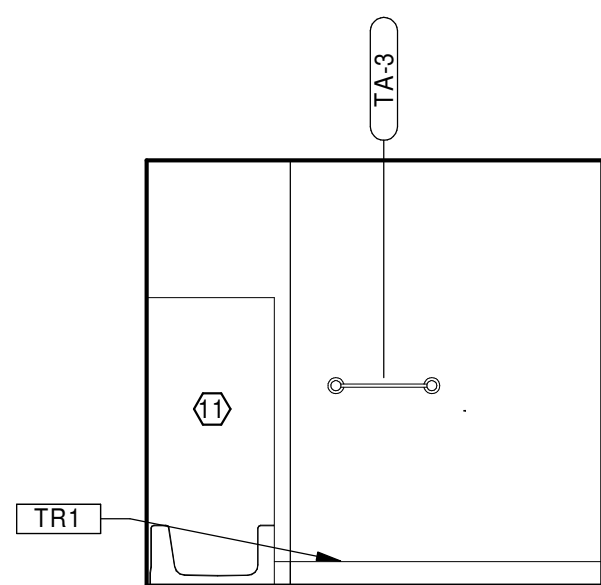
13 BATHROOM 105 - NORTH

A701 1/4" = 1'-0"



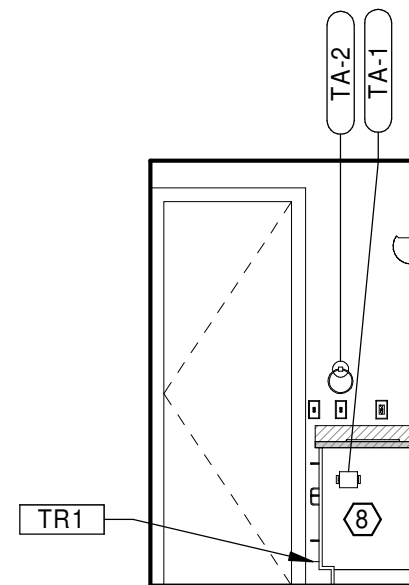
21 ENTRY WAY CASEWORK

A701 1" = 1'-0"



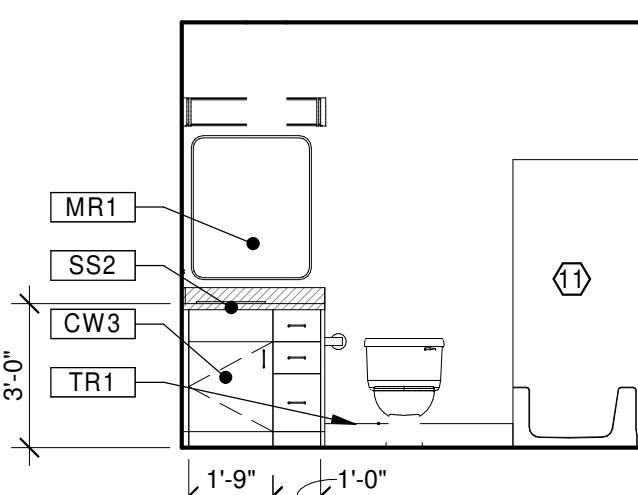
14 BATHROOM 105 - EAST

A701 1/4" = 1'-0"



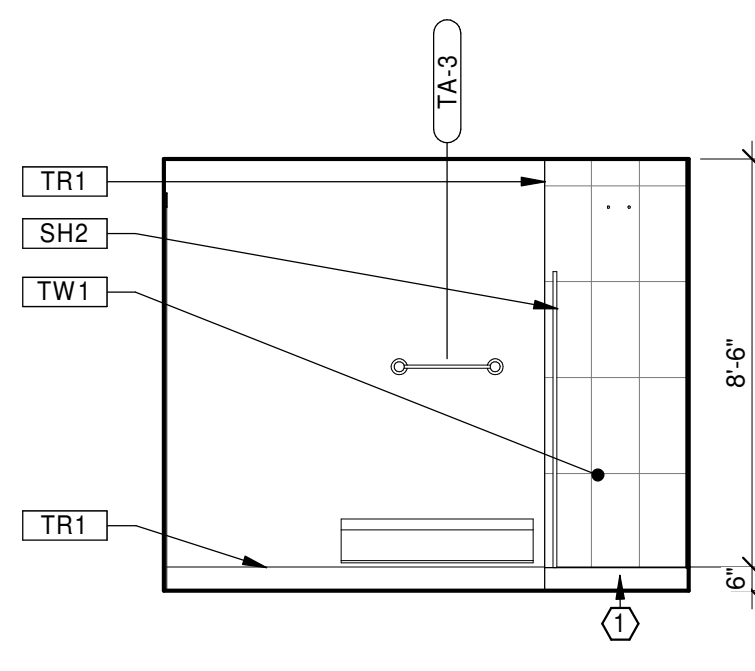
15 BATHROOM 105 - SOUTH

A701 1/4" = 1'-0"



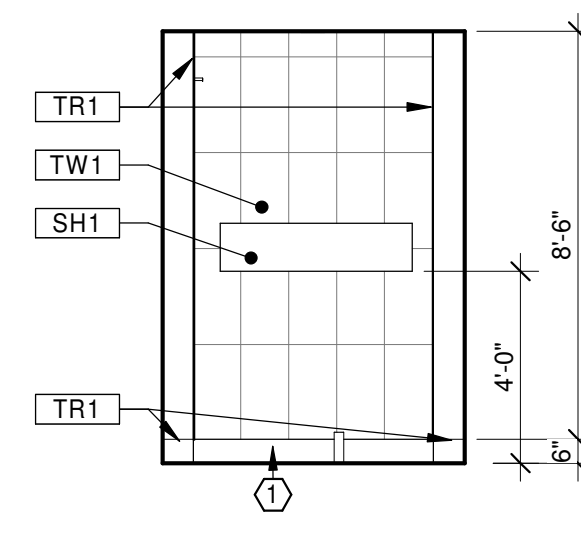
16 BATHROOM 105 - WEST

A701 1/4" = 1'-0"



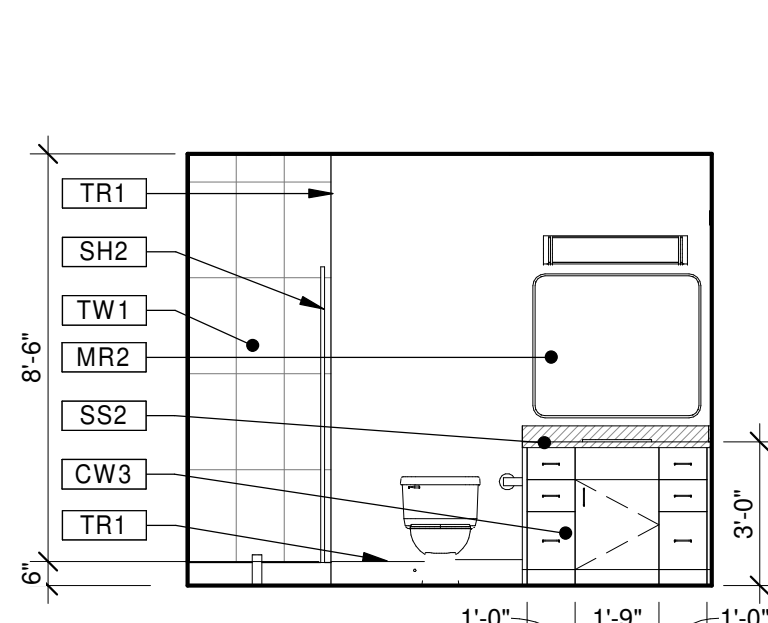
17 BATHROOM 205 - NORTH

A701 1/4" = 1'-0"



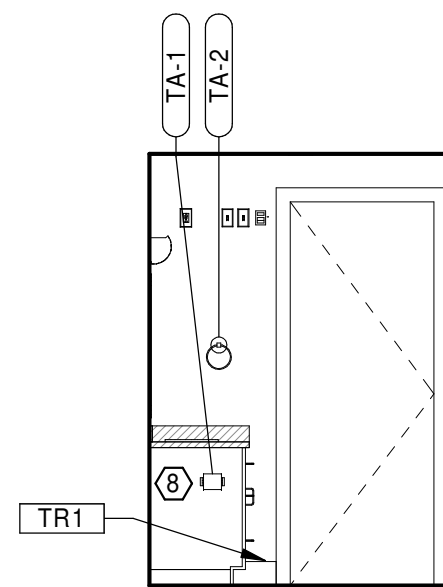
18 BATHROOM 205 - EAST

A701 1/4" = 1'-0"



19 BATHROOM 205 - SOUTH

A701 1/4" = 1'-0"



20 BATHROOM 205 - WEST

A701 1/4" = 1'-0"

KITCHEN EQUIPMENT SCHEDULE						
EQ #	MODEL	MANUFACTURER	DESCRIPTION	SIZE	FINISH	NOTES
KA-1	GDT226SSLSS	GE APPLIANCES	DISHWASHER WITH SANITIZE CYCLE	23-3/4"W X 31-3/4"H X 23-1/2"D	STAINLESS STEEL	
KA-2	PVM9179SRSS	GE APPLIANCES	1.7 CU. FT. CONVECTION OVER-THE RANGE MICROWAVE OVEN	16-5/16"H X 29-7/8"W X 15-9/16"D	STAINLESS STEEL	
KA-3	JS645SSLSS	GE APPLIANCES	30" SLIDE-IN ELECTRIC RANGE	37-1/4"H X 29-7/8"W X 25-7/8"D	STAINLESS STEEL	
KA-4	GNE25JMKFS	GE APPLIANCES	ENERGY STAR 24.8 CU. FT. FRENCH DOOR REFRIGERATOR	69-7/8"H X 32-3/4"W X 35"D	STAINLESS STEEL	
KA-5	GFWS50SSN	GE APPLIANCES	4.8 CU. FT. CAPACITY FRONT LOAD ENERGY STAR WASHER WITH ULTRAFRESH VENT SYSTEM WITH ODOBLOCK	39-3/4"H X 28"W X 32"D	WHITE	INCLUDE BRACKETS FOR STACKING DRYER OVER WASHER (GFA28KITN)
KA-6	GFDSSN	GE APPLIANCES	7.8 CU. FT. CAPACITY FRONT LOAD ELECTRIC DRYER	39-3/4"H X 28"W X 32"D	WHITE	INCLUDE BRACKETS FOR STACKING DRYER OVER WASHER (GFA28KITN)

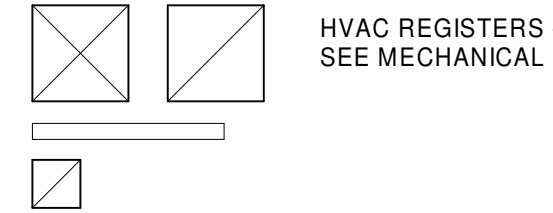
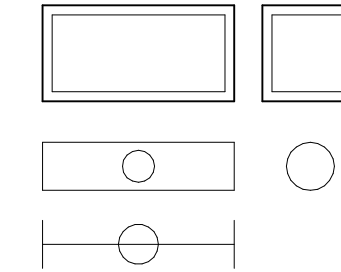
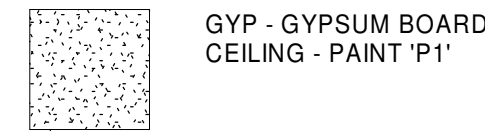
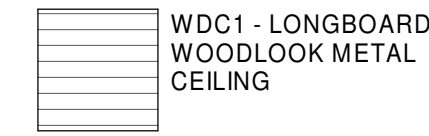
TOILET ACCESSORIES SCHEDULE						
EQ #	MODEL	MANUFACTURER	DESCRIPTION	SIZE	MOUNTING HT	FINISH
TA-1	BC14-42	PAMEX	SURFACE PAPER HOLD	8-3/8" X 2"	48"	MATTE BLACK
TA-2	BC14-30	PAMEX	METAL CIRCLE TOWEL RING	6-3/4" X 8"	26"	MATTE BLACK
TA-3	BC14-15824	PAMEX	ROUND TOWEL BAR	24" X 5/8"	48"	MATTE BLACK

GENERAL NOTES

- FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
- FOR ALL FLOOR PLANS AND ASSEMBLIES, RE: A100'S
- FOR ALL ROOM FINISH INFORMATION, RE: A500'S
- ALL SOFFIT DIMENSIONS ARE SHOWN FROM FACE OF FINISH.
- COORDINATE WITH THE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL ITEMS TO BE PROVIDED AT THE CEILING PLANE.
- COORDINATE WITH THE MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR THE LOCATION AND PHYSICAL SIZES OF ALL CEILING GRILLS, DIFFUSERS, FIXTURES, CANS, AND RELATED ITEMS.
- COORDINATE ALL DECORATIVE LIGHT FIXTURE HEIGHTS AND LOCATIONS WITH INTERIOR DESIGNER PRIOR TO INSTALL. PROVIDE 1'-0" OF ADDITIONAL CORD LENGTH TO ALLOW FOR FINE ADJUSTMENTS ON SITE.

REFLECTED CEILING LEGEND

CEILING MATERIAL	VARIES
CEILING HEIGHT	VARIES
ADDITIONAL NOTES	NOTES

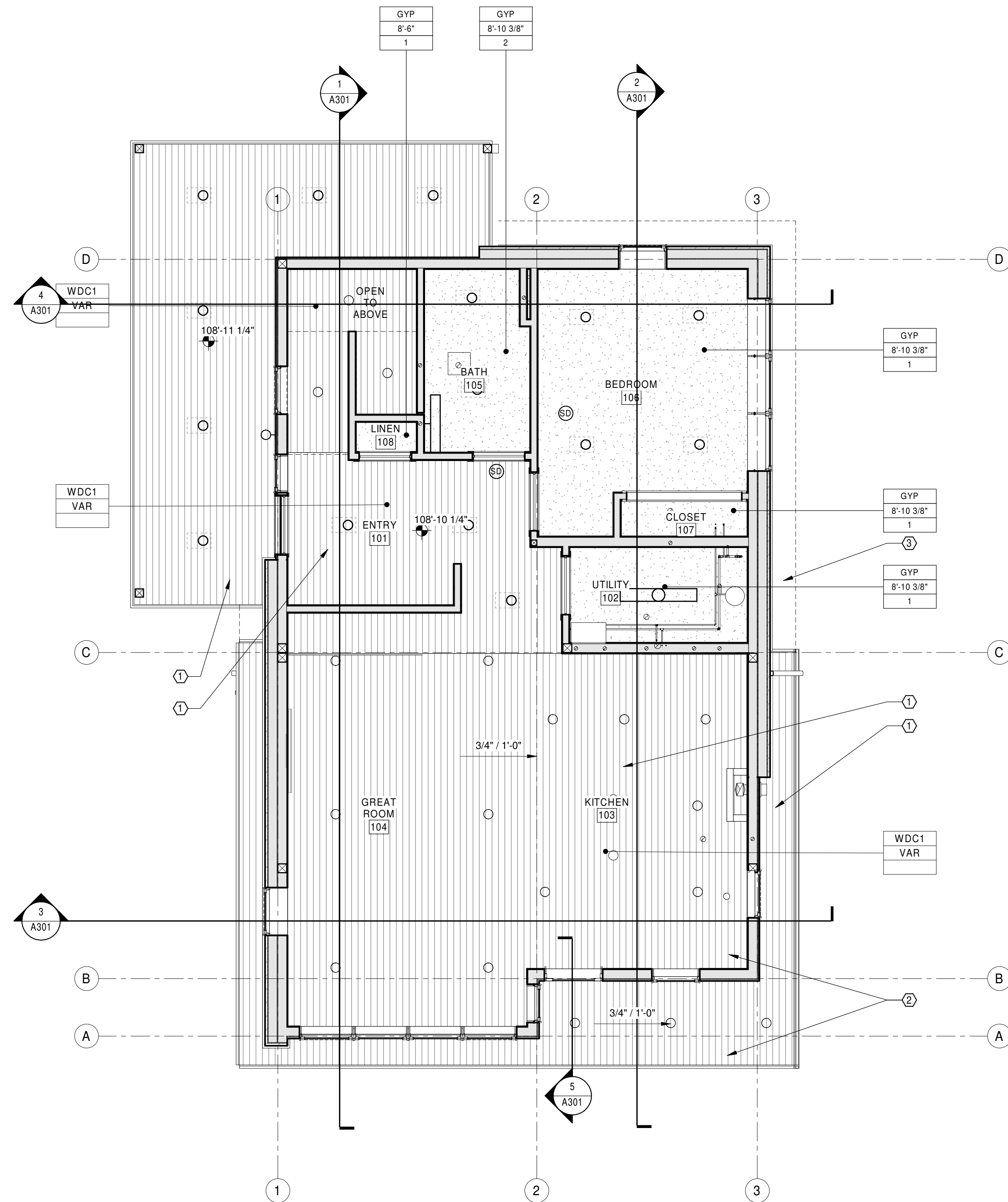


KEYNOTES

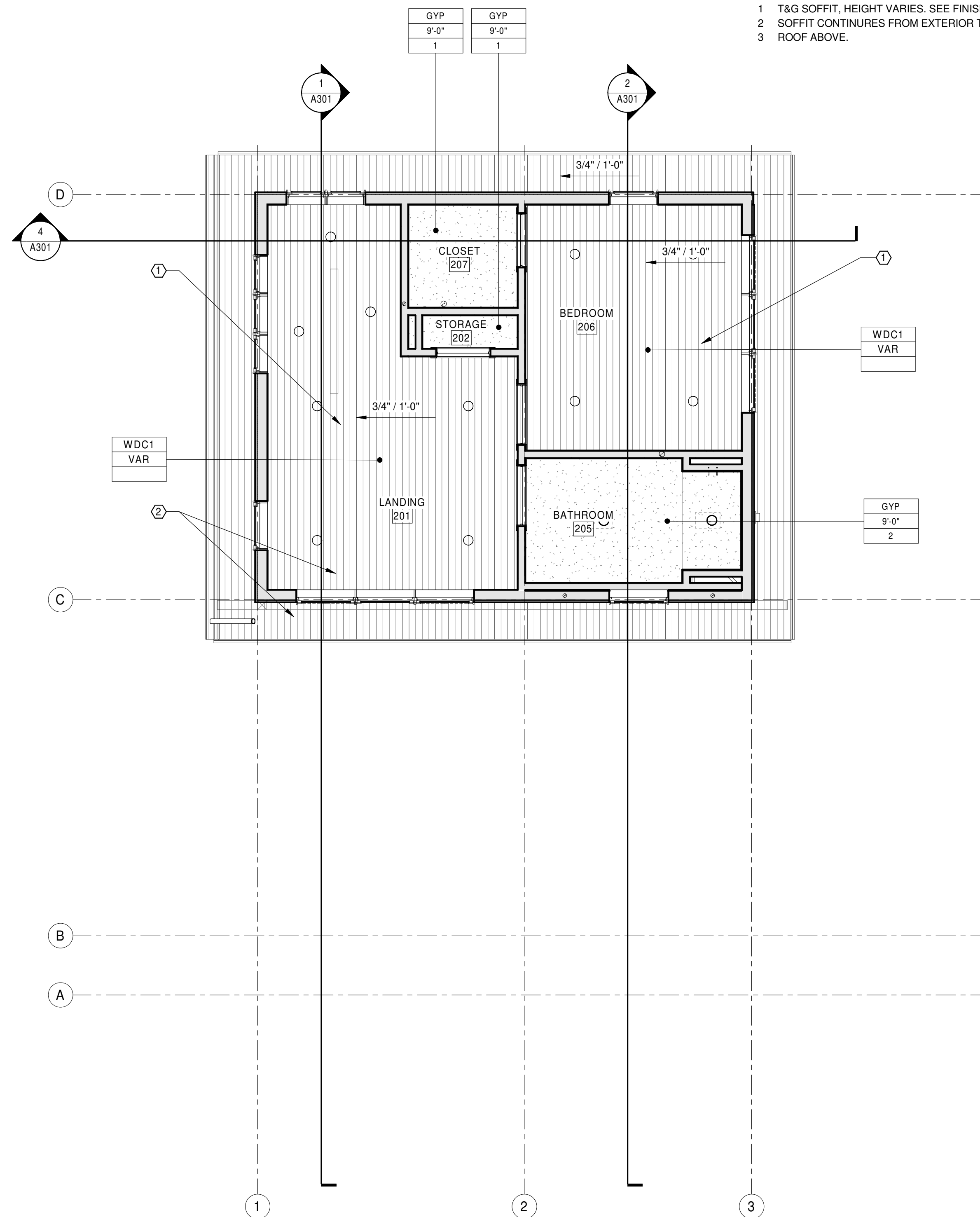
- PAINT CEILING P1
- PAINT CEILING P2
- PAINT CEILING EP1

REFLECTED CEILING PLAN KEYNOTES

- T&G SOFFIT, HEIGHT VARIES. SEE FINISH SHEETS FOR MATERIALS.
- SOFFIT CONTINURES FROM EXTERIOR TO INTERIOR.
- ROOF ABOVE.

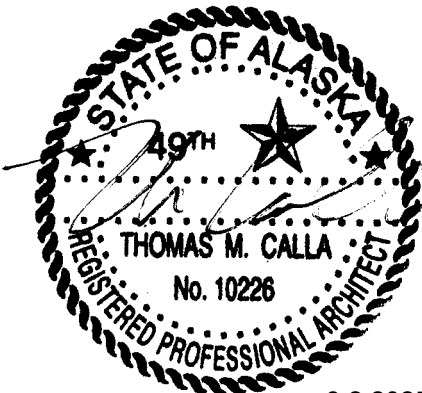


1 FIRST FLOOR REFLECTED CEILING PLAN
A901 1/4" = 1'-0"



2 SECOND FLOOR REFLECTED CEILING PLAN
A901 1/4" = 1'-0"

SEARHC WORKFORCE HOUSING
1064 ZIMOVIA HIGHWAY, WRANGELL, AK 99929
SINGLE FAMILY TWO STORY (SHED ROOF)



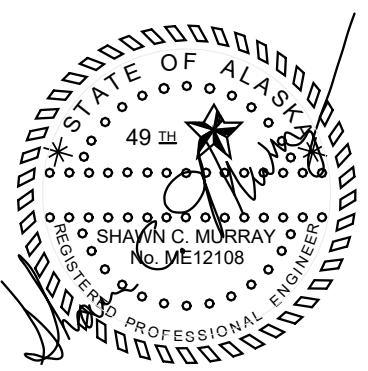
9.2.2025
© 2025 | ALL RIGHTS RESERVED

CONSTRUCTION
DOCUMENTS

08.29.2025
PROJECT | SEARHC_WRNGLWFH
DESIGNED BY | KOEL
DRAWN BY | MARKUSON
REVIEWED BY | DUNBAR
REVISIONS

REFLECTED CEILING
PLANS & DETAILS

A901



PLUMBING FIXTURE & CONNECTION SCHEDULE																		
ALL PLUMBING EQUIPMENT SHALL BE IN ACCORDANCE WITH APPLICABLE SPECIFICATIONS AND BE OF SIZE AND TYPE INDICATED. EACH SHALL BE OF MAKE AND MODEL LISTED OR EQUAL.																		
		FIXTURE					TRIM			ACCESSORIES			CONNECTIONS				NOTES	
PLAN CODE	ITEM	MANUFACTURER	MODEL	TYPE	MATERIAL	COLOR	ITEM	MFGR	MODEL	ITEM	MFGR	MODEL	COLD	HOT	WASTE	VENT		PLAN CODE
L-1	LAVATORY	AMERICAN STANDARD	0614.000	UNDERMOUNT	VIT. CHINA	WHITE	FAUCET	DELTA	25749LF	-	-	-	1/2"	1/2"	2"	2"	1, 2, 3, 4, 6	L-1
S-1	KITCHEN SINK	BLANCO	DIAMOND 442913	DROP IN	MOLDED COMPOSITE	COAL BLACK	FAUCET	DELTA	9113-DST	GARBAGE DISPOSAL	INSINKERATOR	BADGER 1	1/2"	1/2"	2"	2"	1, 2, 5, 6, 13, 20, 21	S-1
WC-1	WATER CLOSET	AMERICAN STANDARD	3483.001	FLOOR MOUNTED	VIT. CHINA	WHITE	-	-	-	SEAT	BEMIS	170	1"	-	3"	2"	1, 2, 6	WC-1
WSB-1	WASHER SUPPLY BOX	SIOUX CHIEF	696-G2313-WF	RECESSED - WALL	PLASTIC	WHITE	FACEPLATE	SIOUX CHIEF	-	ARRESTOR	SIOUX CHIEF	-	1/2"	1/2"	2"	2"	14	WSB-1
WB-1	WATER BOX	SIOUX CHIEF	696-G1010WF	RECESSED - WALL	PLASTIC	WHITE	FACEPLATE	SIOUX CHIEF	-	ARRESTOR	SIOUX CHIEF	-	1/2"	-	-	-	9, 10	WB-1
SH-1	SHOWER	MAAX	ICON 6032	-	ACRYLIC	WHITE	SHOWER VALVE	DELTA	SV-1 (SEE SCHEDULE)	DRAIN	SIOUX CHIEF	825-20P	-	-	2"	2"	6, 15	SH-1
SV-1	SHOWER	DELTA	RP101842	P BALANCED	BRASS	MATTE BLACK	VALVE	DELTA	R10000-UNWS	SHOWER HEAD	DELTA	-	1/2"	1/2"	-	-	6, 16	SV-1
T/S-1	TUB/SHOWER	MAAX	TSEA 105674	ONE-PIECE ALCOVE	ACRYLIC	WHITE	TUB/SHOWER VALVE	DELTA	TSV-1 (SEE SCHEDULE)	DRAIN	PRICE PFISTER	119-2100	-	-	2"	2"	6, 18	T/S-1
T/S-2	TUB/SHOWER	MAAX	TSEA 105674	ONE-PIECE ALCOVE	ACRYLIC	WHITE	TUB/SHOWER VALVE	DELTA	TSV-1 (SEE SCHEDULE)	DRAIN	PRICE PFISTER	119-2100	-	-	2"	2"	6, 19	T/S-2
TSV-1	TUB/SHOWER VALVE	DELTA	T14459-BL	P BALANCED	BRASS	MATTE BLACK	VALVE	DELTA	R10000-UNWS	SPOUT/SHOWER HEAD	DELTA	-	1/2"	1/2"	-	-	6, 17	TSV-1
FD-1	FLOOR DRAIN	SIOUX CHIEF	832-3DNRP	FLOOR	CAST IRON	-	STRAINER	SIOUX CHIEF	NICKEL BRONZE	-	-	-	-	-	2"	2"	8, 11, ROUND FACE	FD-1
WCO	WALL CLEAN OUT	SPEARS MFG	P445X	WALL	PVC	-	WALL COVER	J.R.SMITH	6" ROUND/STAINLESS	PLUG	PLASTIC	PVC / ABS	-	-	SEE PLAN	-	CLEANOUT TEE BY PLUMBING CONTRACTOR	WCO
FCO	FLOOR CLEAN OUT	SPEARS MFG	P105	FLOOR	PVC	-	FLOOR COVER	ZURN	CO2521	PLUG	PLASTIC	PVC / ABS	-	-	SEE PLAN	-	ROUND TOP	FCO
GCO	GRADE CLEAN OUT	SPEARS MFG	P105	GRADE	PVC	-	GRADE COVER	ZURN	CO2510	PLUG	PLASTIC	PVC / ABS	-	-	SEE PLAN	-	ROUND TOP	GCO
NOTES:																		
1) SUPPLY STOPS ARE 1/2" x 3/8", POLISHED CHROME, QUARTER TURN ANGLE BALL STOPS.																		
2) 3/8" BRAIDED STAINLESS STEEL SUPPLY CONNECTORS.																		
3) PROVIDE BRUSHED BLACK STAINLESS STEEL FINISH.																		
4) PART NUMBER INCLUDES POP-UP DRAIN WITH OVERFLOW. PROVIDE DEARBORN BRASS B9702 PLASTIC P-TRAP WITH REDUCING WASHER.																		
5) PROVIDE DELTA 72020-BL DISHWASHER AIR GAP IN MATTE BLACK FINISH. CONNECT INLET TO DISHWASHER DRAIN HOSE AND OUTLET TO GARBAGE DISPOSAL INLET.																		
6) SEE ARCHITECTURAL SHEETS FOR FIXTURE ELEVATIONS AND FINISHED MOUNTING HEIGHTS.																		
7) COORDINATE FAUCET HOLES IN SOLID SURFACE COUNTERTOPS WITH OTHERS.																		
8) ALL DRAIN FITTINGS SHALL BE NO-HUB.																		
9) RECESSED PLASTIC OUTLET BOX WITH SINGLE QUARTER-TURN BALL VALVE AND FACEPLATE.																		
10) MOUNT AT 24" ABOVE FINISHED FLOOR TO CENTERLINE OF BOX.																		
11) PROVIDE WITH JR SMITH 2692 TRAP GUARD AND TRANSITION TO 2" WASTE.																		
12) PROVIDE WITH MAAX ICON 6032 SHOWER PAN.																		
13) PROVIDE WITH BASKET STRAINERS, B&K 131-701.																		
14) PROVIDE WITH QUARTER-TURN BALL VALVES WITH 3/4" THREADED HOSE CONNECTIONS, WATER HAMMER ARRESTORS, MOUNT CENTERLINE OF BOX AT 3' 0" AFF.																		
15) SHOWER WALLS BY OTHERS; CONTRACTOR SHALL COORDINATE INSTALLATION OF SHOWER VALVE ASSEMBLY AND SHOWER PAN.																		
16) SHOWER VALVE ASSEMBLY FOR SHOWERS INCLUDE MAIN VALVE BODY AND FIXED SHOWER HEAD.																		
17) TUB/SHOWER VALVE ASSEMBLY TO INCLUDE MAIN VALVE BODY, TUB FILLER SPOUT WITH PULL-UP DIVERTER, AND FIXED SHOWER HEAD.																		
18) TUB DRAIN AND OVERFLOW TO BE MATTE BLACK FINISH. LEFT DRAIN.																		
19) TUB DRAIN AND OVERFLOW TO BE MATTE BLACK FINISH. RIGHT DRAIN.																		
20) INSTALL GD-1 IN RIGHT SINK BASIN. INSTALL AIR GAP ON SAME SIDE OF SINK.																		
21) PROVIDE 1/2" DHW FROM S-1 TO DISHWASHER.																		

WATER HEATER SCHEDULE							
PLAN...	MANUFACTURER	MODEL	CAPACITY...	ELECTRICAL...	KW	RECOVERY...	NOTES
EW-H-1	A.O. SMITH	DEL-30	36	240/1/60	9	41	1, 2
NOTES: 1) PROVIDE T&P VALVE. PIPE TO FLOOR DRAIN. 2) RECOVERY SHOWN IS FOR A 90 DEGREE F RISE WITH SIMULTANEOUS ELEMENT OPERATION.							

EXPANSION TANK SCHEDULE						
PLAN CODE	MANUFACTURER	MODEL NO	TOTAL VOLUME	ACCEPTANCE VOLUME	PRECHARGE PRESSURE	NOTES
DET-1	AMTROL	ST-5	2.0	0.9	55	1, 2
NOTES: 1) SERVES EWH-1. 2) PROVIDE ISOLATION BALL VALVE ON DROP DOWN FOR SERVICE.						

PLUMBING LEGEND

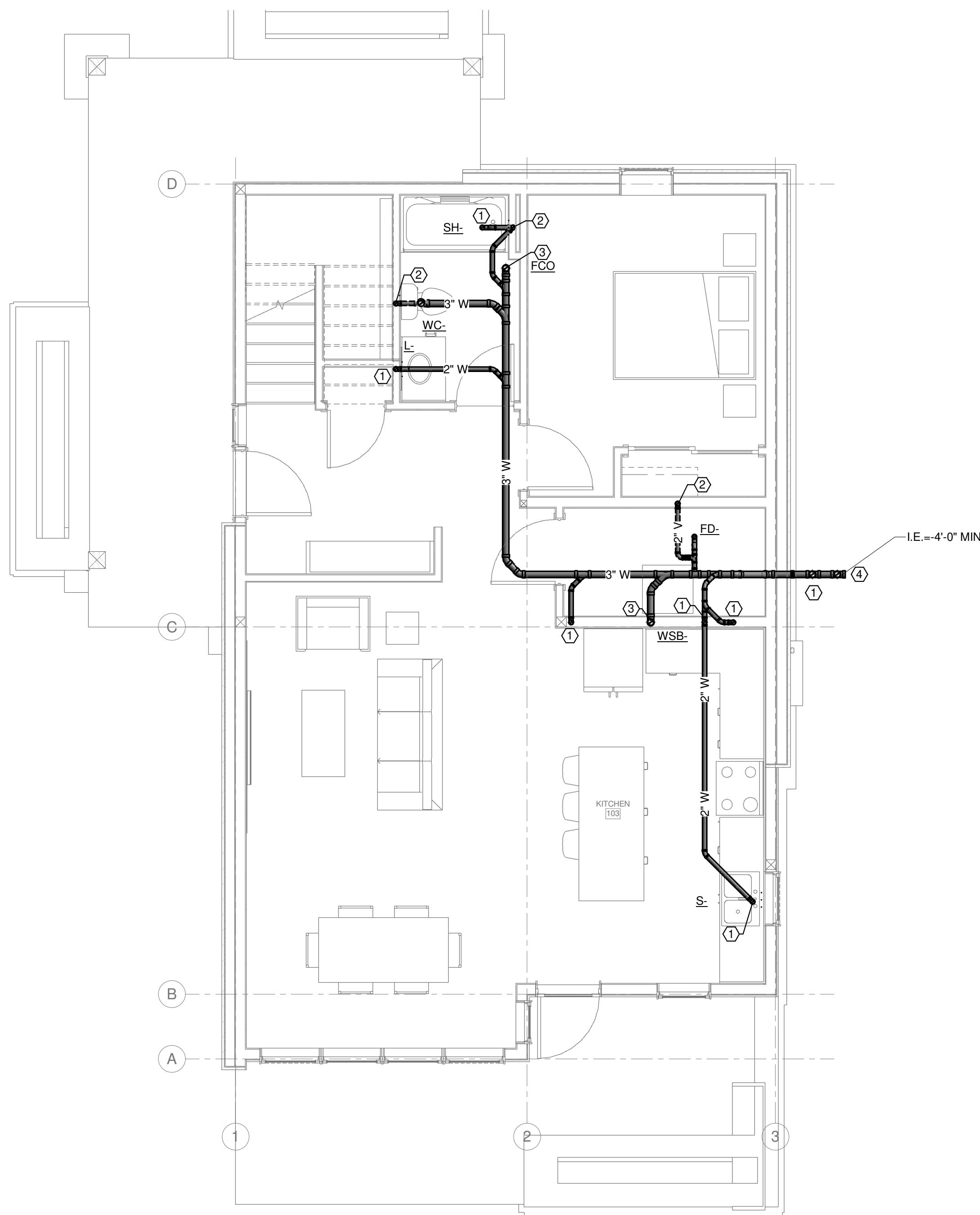
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
-----CW-----	DOMESTIC COLD WATER		SLOPE DOWN IN DIRECTION OF FLOW
-----HW-----	DOMESTIC HOT WATER		BALL VALVE
-----HWC-----	DOMESTIC HOT WATER CIRC.		SWING CHECK VALVE
-----SS-----	SANITARY SEWER		WATER OUTLET (TYPE INDICATED)
-----V-----	VENT		
CO/WCO	CLEANOUT/ WALL CLEANOUT		
FCO	FLOOR CLEANOUT		
GCO	GRADE CLEANOUT		
	DRAIN		
	TEE UP		
	TEE DOWN		
	ELBOW UP		
	ELBOW DOWN		

PLUMBING ABBREVIATIONS

BG	BELOW GRADE	WCO	WALL CLEANOUT
CD	CONDENSATE DRAIN		
CO	CLEANOUT		
CW	COLD WATER		
DN	PIPE DROP TO NEXT LEVEL		
FCO	FLOOR CLEANOUT		
GCO	GRADE CLEANOUT		
HW	HOT WATER		
HWC	HOT WATER CIRCULATION		
IDW	INDIRECT WASTE		
IE	INVERT ELEVATION		
MAX	MAXIMUM		
MIN	MINIMUM		
NC	NORMALLY CLOSED (VALVE)		
SS	SANITARY SEWER		
UP	PIPE RISE TO NEXT LEVEL		
V	VENT		
VA	VALVE		
VTR	VENT THRU ROOF		

GENERAL PLUMBING NOTES

- A. REVIEW ARCHITECTURAL, STRUCTURAL, CIVIL, MECHANICAL, AND ELECTRICAL PLANS THOROUGHLY TO BECOME FAMILIAR WITH THIS PROJECT. ALL PLANS AND ALL SPECIFICATIONS COMPRISE ONE DOCUMENT OF WHICH THESE SHEETS ARE ONLY A PART.
- B. PIPING SHOWN IS DIAGRAMMATIC ONLY. ANY MAJOR DEVIATION FROM THESE PLANS SHOULD BE COORDINATED WITH THE ENGINEER OF RECORD BEFORE PROCEEDING.
- C. ALL NEW PIPING ON MAIN FLOOR SHALL BE CONCEALED IN WALLS, ABOVE CEILING, OR UNDER GROUND UNLESS OTHERWISE NOTED ON THESE PLANS. COORDINATE ROUTING WITH OTHER DISCIPLINES.
- D. ALL WORK SHALL COMPLY WITH THE CURRENT ACCEPTED EDITION OF THE UPC WITH AMENDMENTS AND ALL APPLICABLE CODES OF LOCAL JURISDICTION.
- E. SLOPE WASTE PIPE 1/4" PER FOOT IN DIRECTION OF FLOW. UNLESS NOTED OTHERWISE ON PLANS. SLOPE VENT PIPE 1/8" PER FOOT BACK TO FIXTURES.



1
P100

UNDERSLAB DWV PLAN
1/4" = 1'-0"

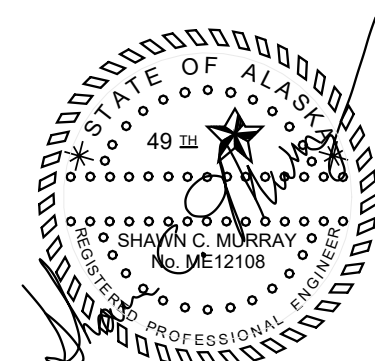
GENERAL PLUMBING NOTES

A. FOR GENERAL NOTES, REFER TO P001.

KEYNOTES

- ① 2" WASTE UP.
② 2" VENT UP.
③ 3" WASTE UP.
④ 3" WASTE. SEE CIVIL SITE PLAN FOR CONTINUATION.

08.29.2025
ALASKA - STAFF HOUSING - SEARHC
SINGLE FAMILY TWO STORY (SHED ROOF)



© 2025 | ALL RIGHTS RESERVED

CONSTRUCTION
DOCUMENTS

08.29.2025
PROJ# | SEARHC.WRNLWFH
DESIGNED BY | MAPES
DRAWN BY | PIMLEY
REVIEWED BY | MAPES
REVISIONS

UNDERSLAB
PLUMBING DWV PLAN

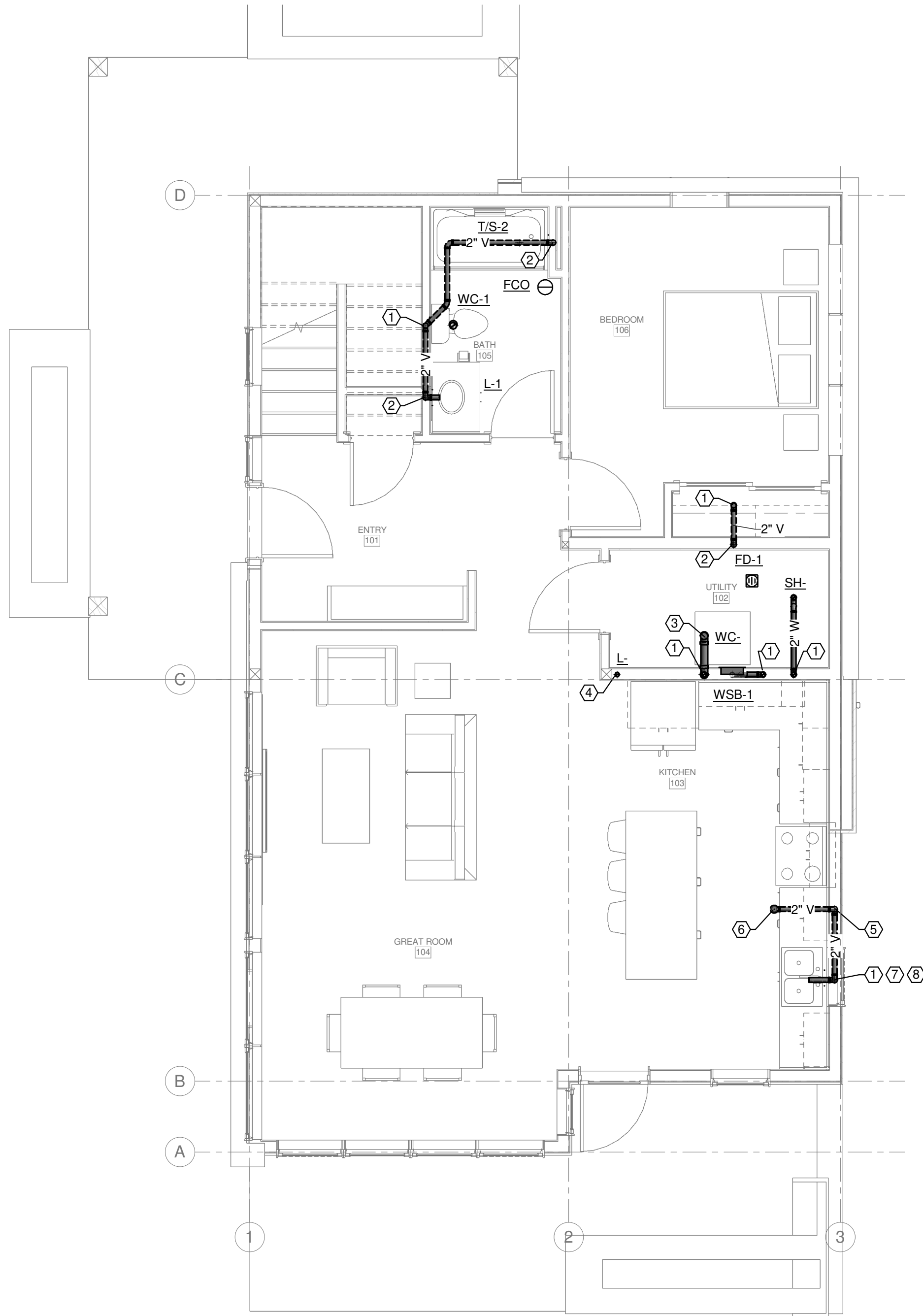
P100

GENERAL PLUMBING NOTES

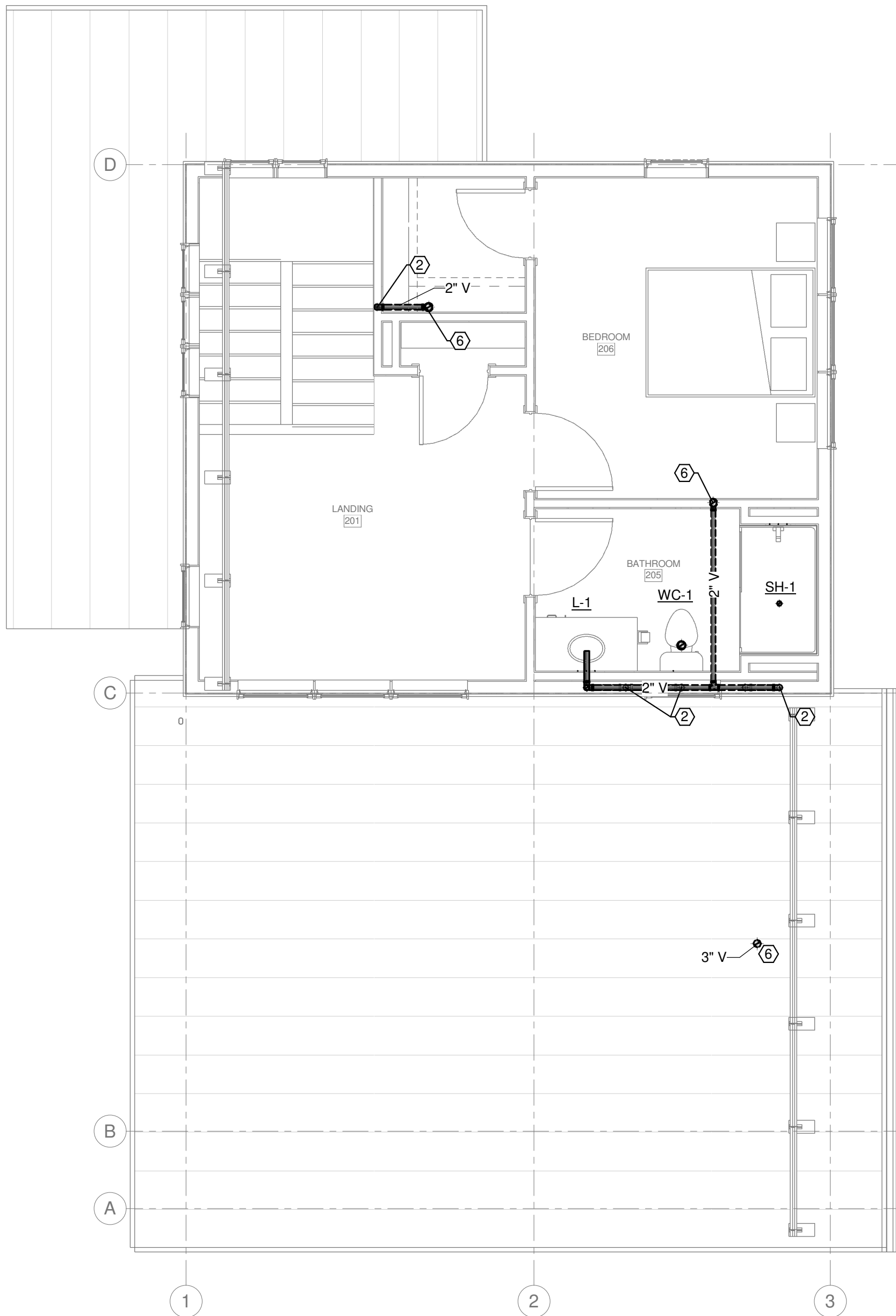
A. FOR GENERAL NOTES, REFER TO P001.

KEYNOTES

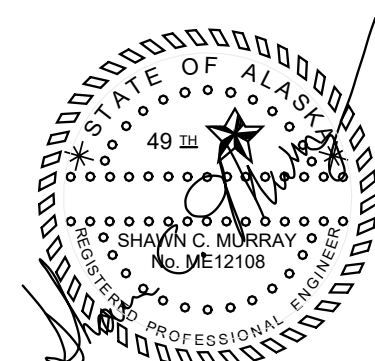
- 1 2" VENT UP.
- 2 2" VENT DOWN.
- 3 3" WASTE UP.
- 4 2" WASTE UP/DOWN.
- 5 ROUTE 2" VENT BELOW WINDOW AND RISE WHERE INDICATED.
- 6 3" VENT UP, 3" VENT THRU ROOF.
- 7 2" WASTE DN. 2" VENT UP. ROUTE 2" WASTE ABOVE FLOOR IN BASE CABINET IN ORDER TO DROP ON OTHER SIDE OF CONCRETE FOOTING. PROVIDE WALL CLEANOUT 12" ABOVE FINISHED FLOOR.
- 8 INDIRECT DRAIN DISHWASHER TO GARBAGE DISPOSAL INLET WITH AIR GAP FITTING IN COUNTERTOP.



1 MAIN FLOOR DWV PLAN
P101 1/4" = 1'-0"



2 SECOND FLOOR DWV PLAN
P101 1/4" = 1'-0"



© 2025 | ALL RIGHTS RESERVED

CONSTRUCTION
DOCUMENTS08.29.2025
PROJ# | SEARHC_WRNGLWFH
DESIGNED BY | MAPES
DRAWN BY | PIMLEY
REVIEWED BY | MAPES
REVISIONSUNDERSLAB
DOMESTIC WATER
PLAN

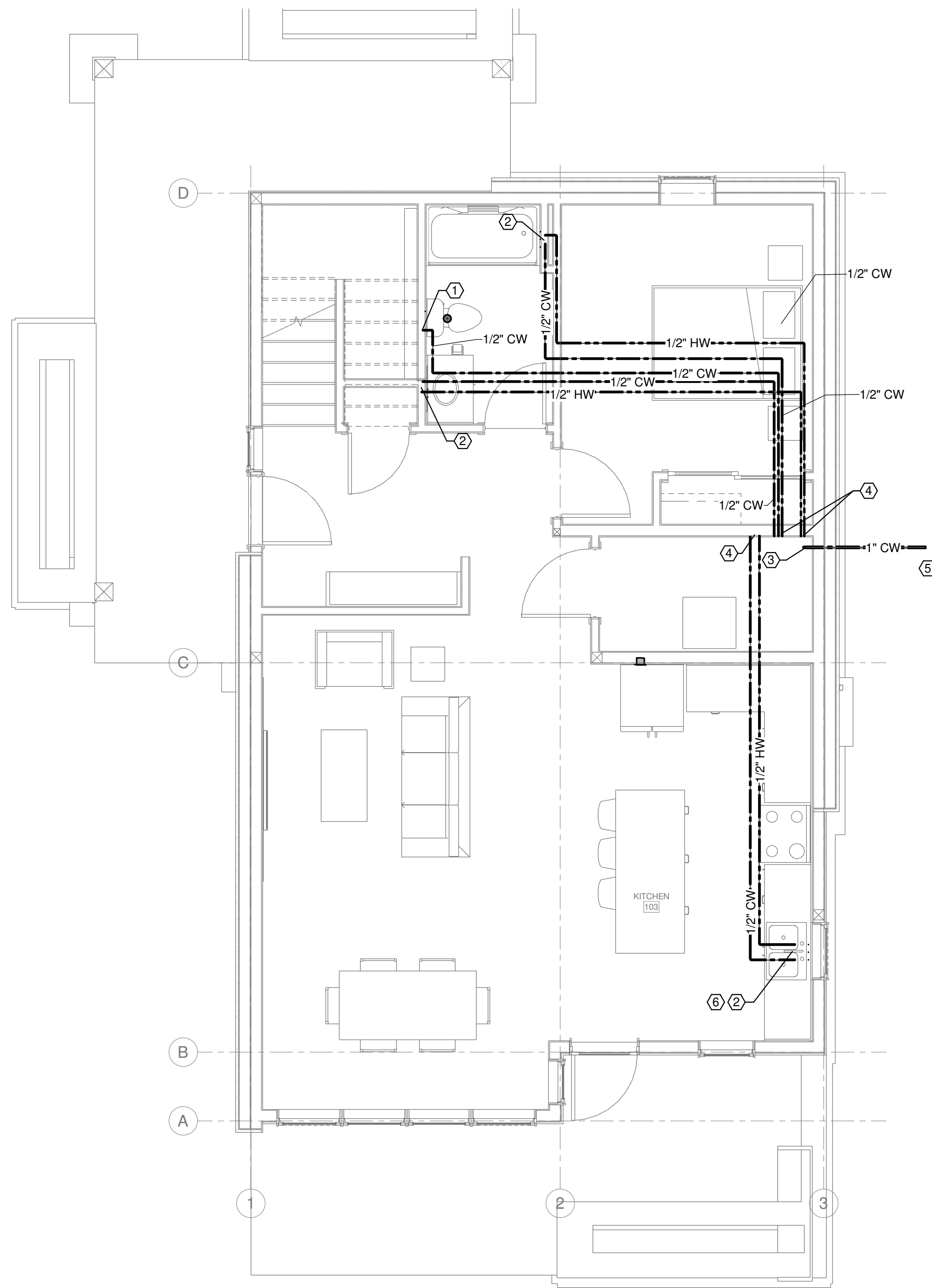
P200

GENERAL PLUMBING NOTES

A. FOR GENERAL NOTES, REFER TO P001.

KEYNOTES

- ① 1/2" CW UP. SEE SHEET P201.
② 1/2" CW, 1/2" HW UP. SEE SHEET P201.
③ 1" CW UP. SEE SHEET P201.
④ 1/2" CW, 1/2" HW SUPPLY LINES UP TO PEX MANIFOLD. SEE SHEET P201.
⑤ 1" CW CONNECTION. SEE CIVIL SITE PLAN FOR CONTINUATION.
⑥ PIPING SHALL RISE UP INSIDE THE CABINET BASE, DO NOT INSTALL IN EXTERIOR WALL.

1
P200

UNDERSLAB DOMESTIC WATER PLAN

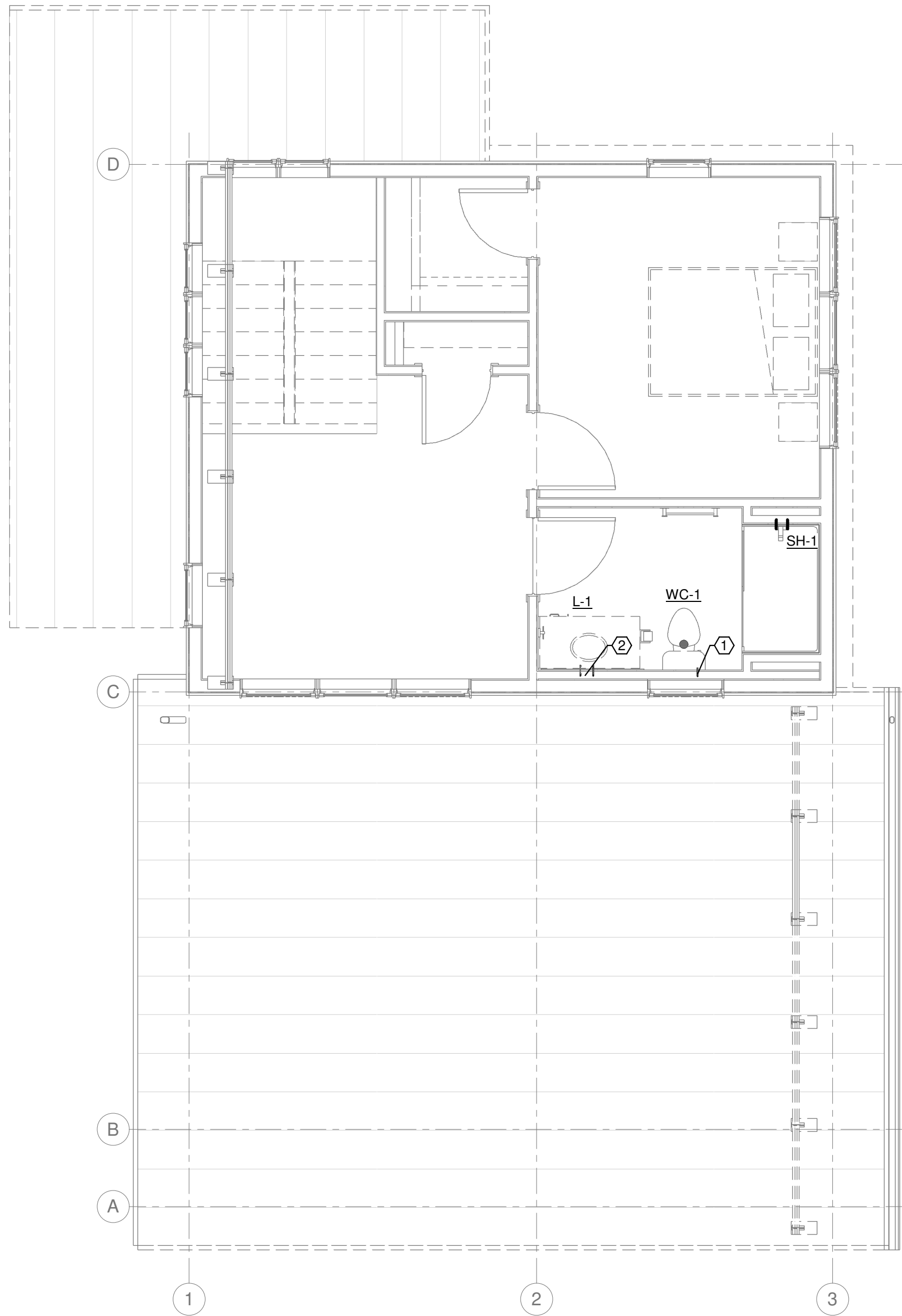
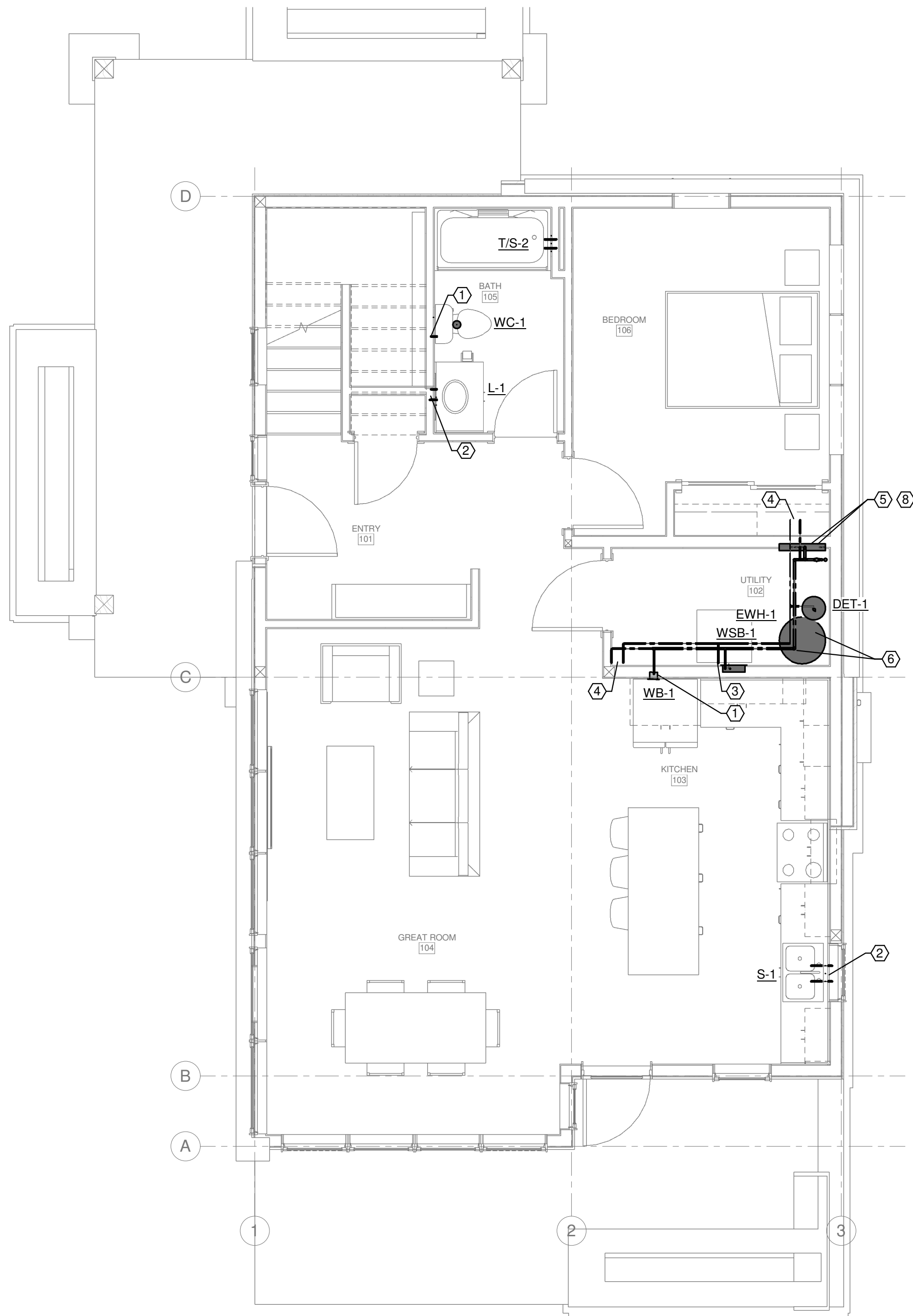
1/4" = 1'-0"

GENERAL PLUMBING NOTES

A. FOR GENERAL NOTES, REFER TO P001.

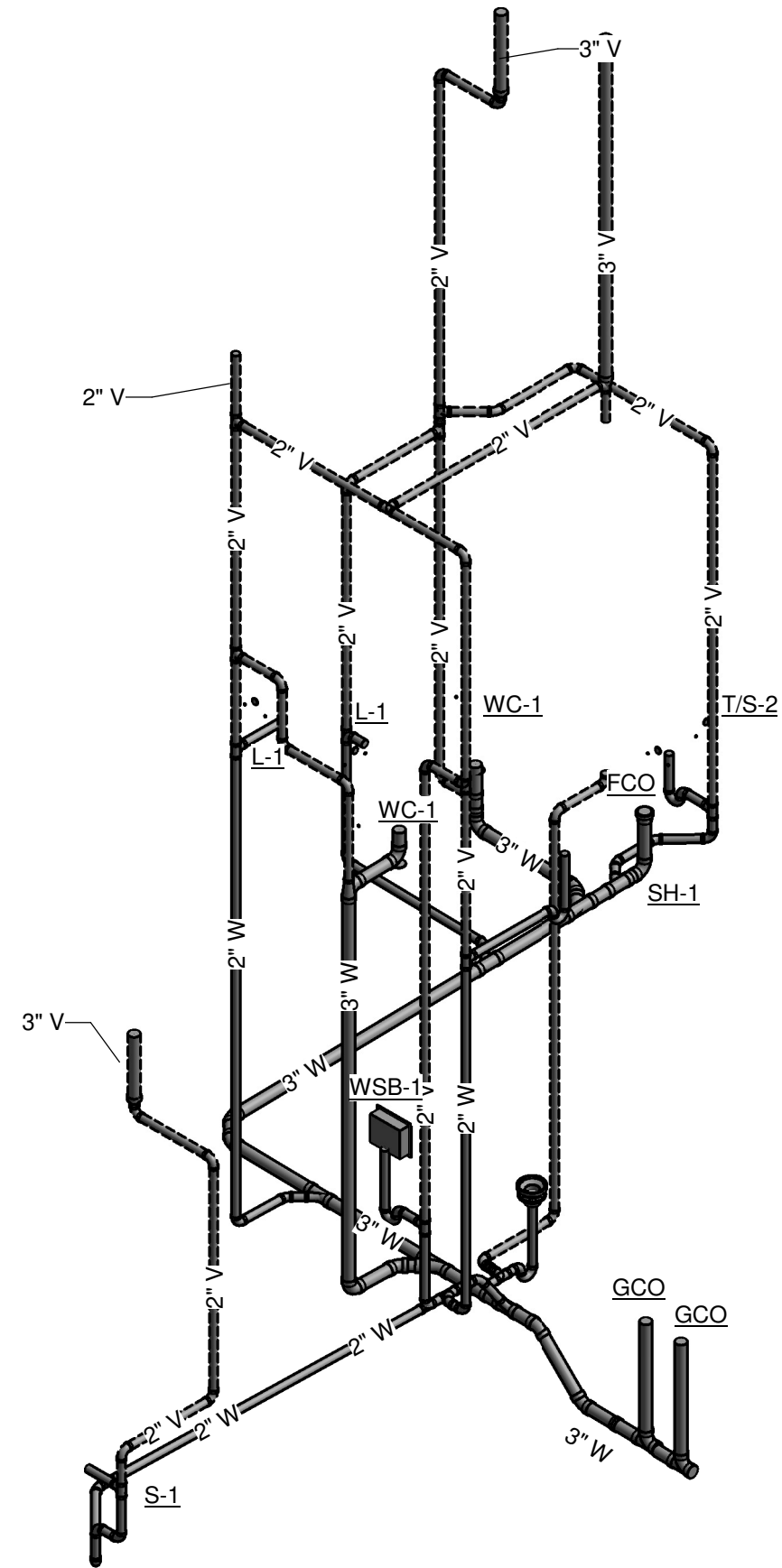
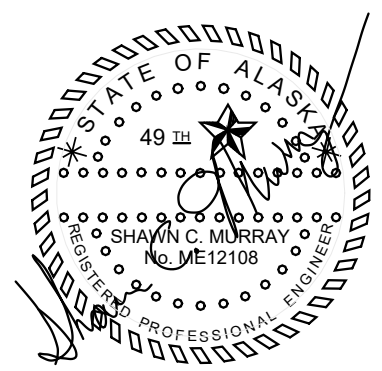
KEYNOTES

- 1 1/2" CW DOWN.
- 2 1/2" CW, 1/2" HW DOWN.
- 3 1/2" CW UP.
- 4 1/2" CW, 1/2" HW UP.
- 5 1" CW, 1" HW DOWN TO PEX MANIFOLD.
- 6 1" CW, 1" HW DOWN TO WATER HEATER.
- 7 1" CW DOWN.
- 8 PROVIDE FULL PORT BALL VALVE AT CW ENTRANCE.

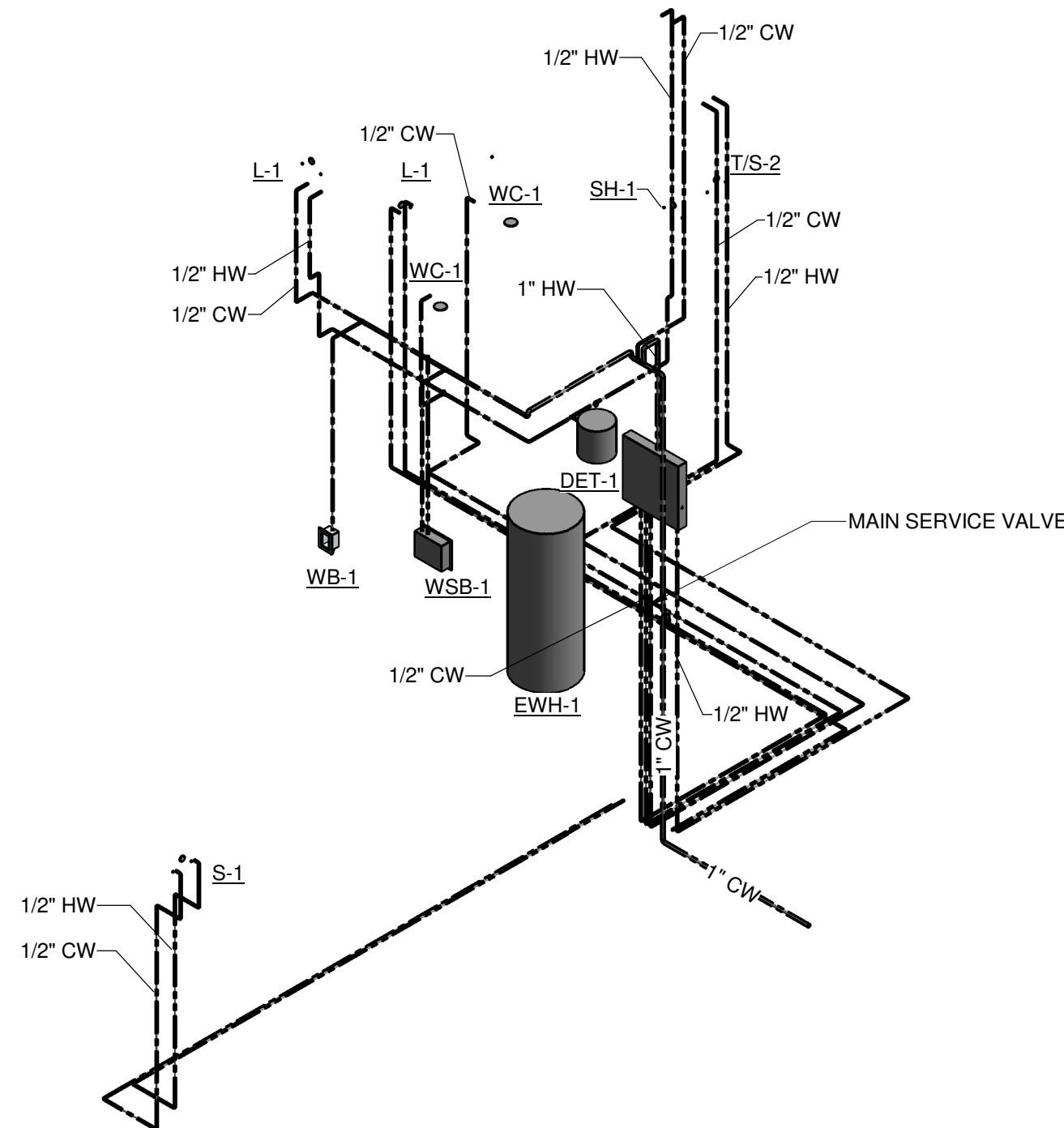


1 MAIN FLOOR DOMESTIC WATER PLAN
P201 1/4" = 1'-0"

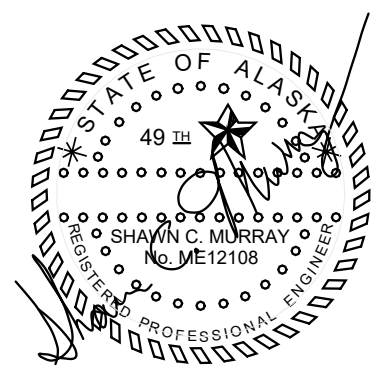
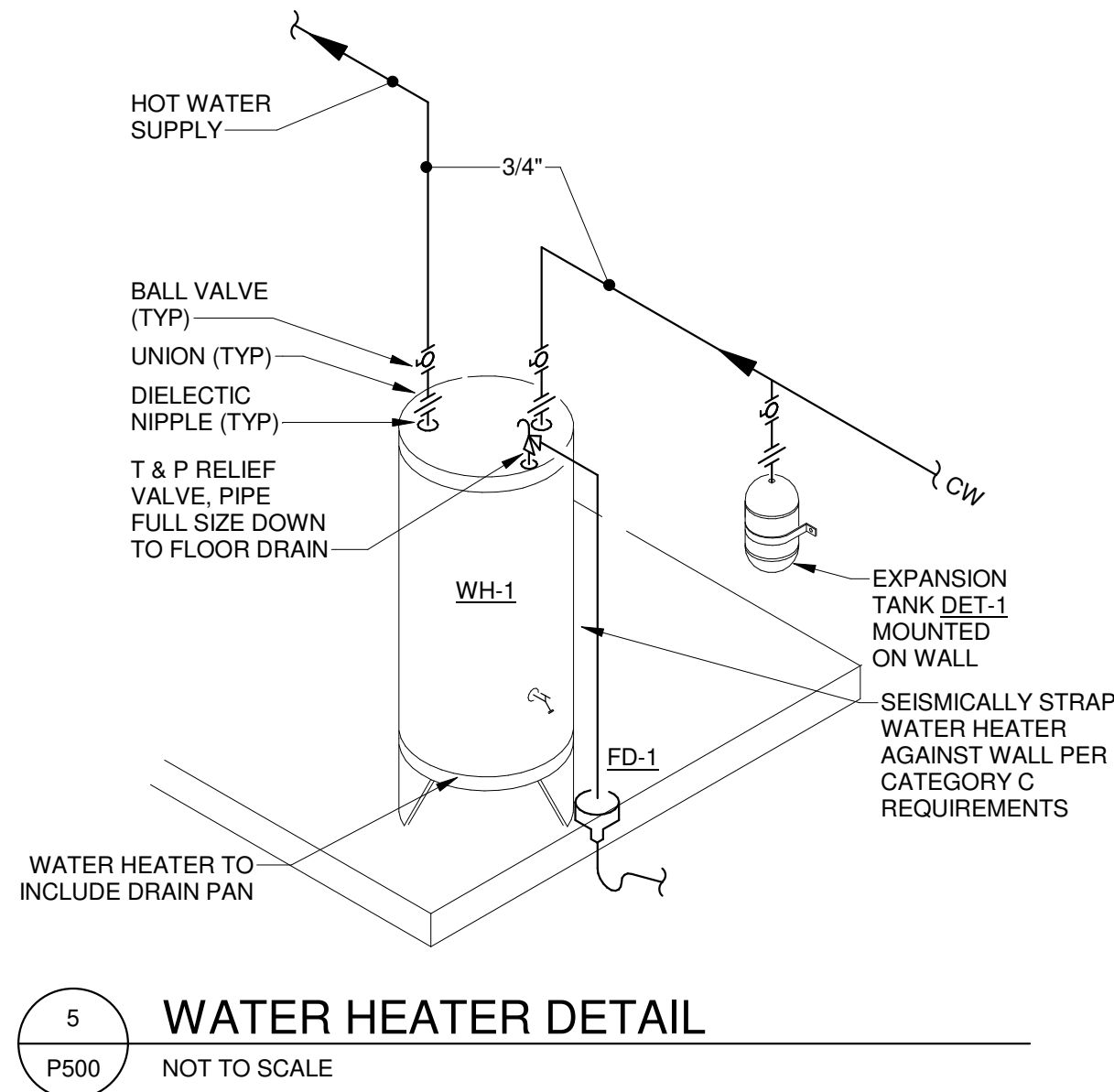
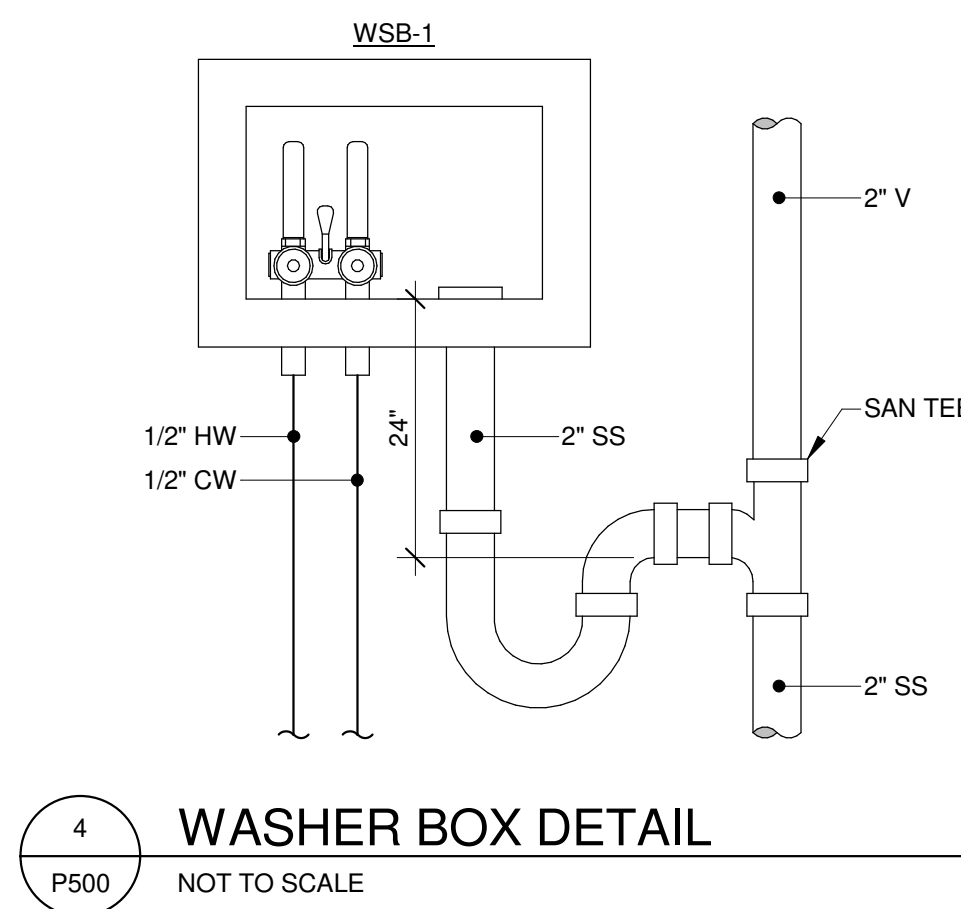
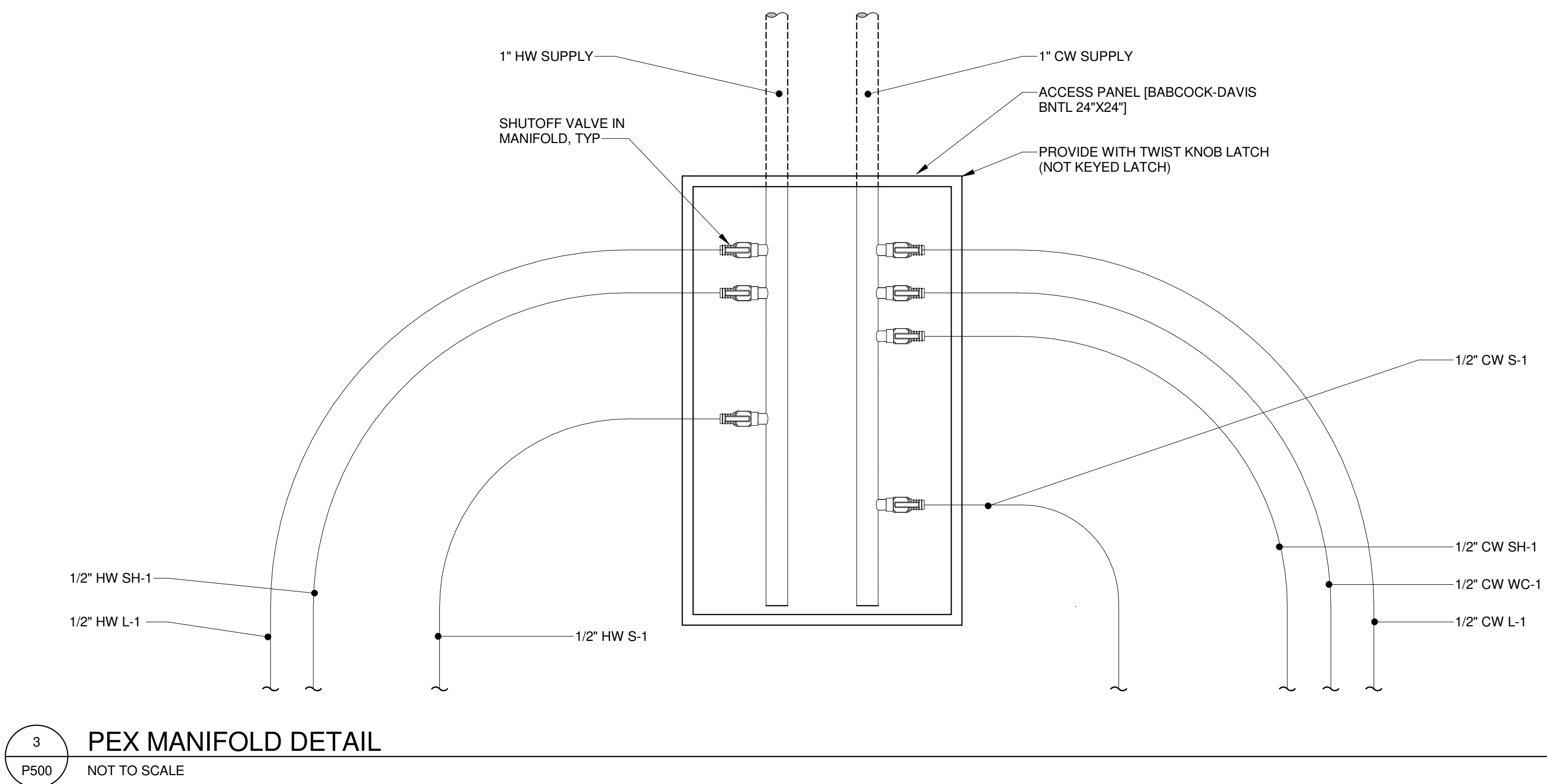
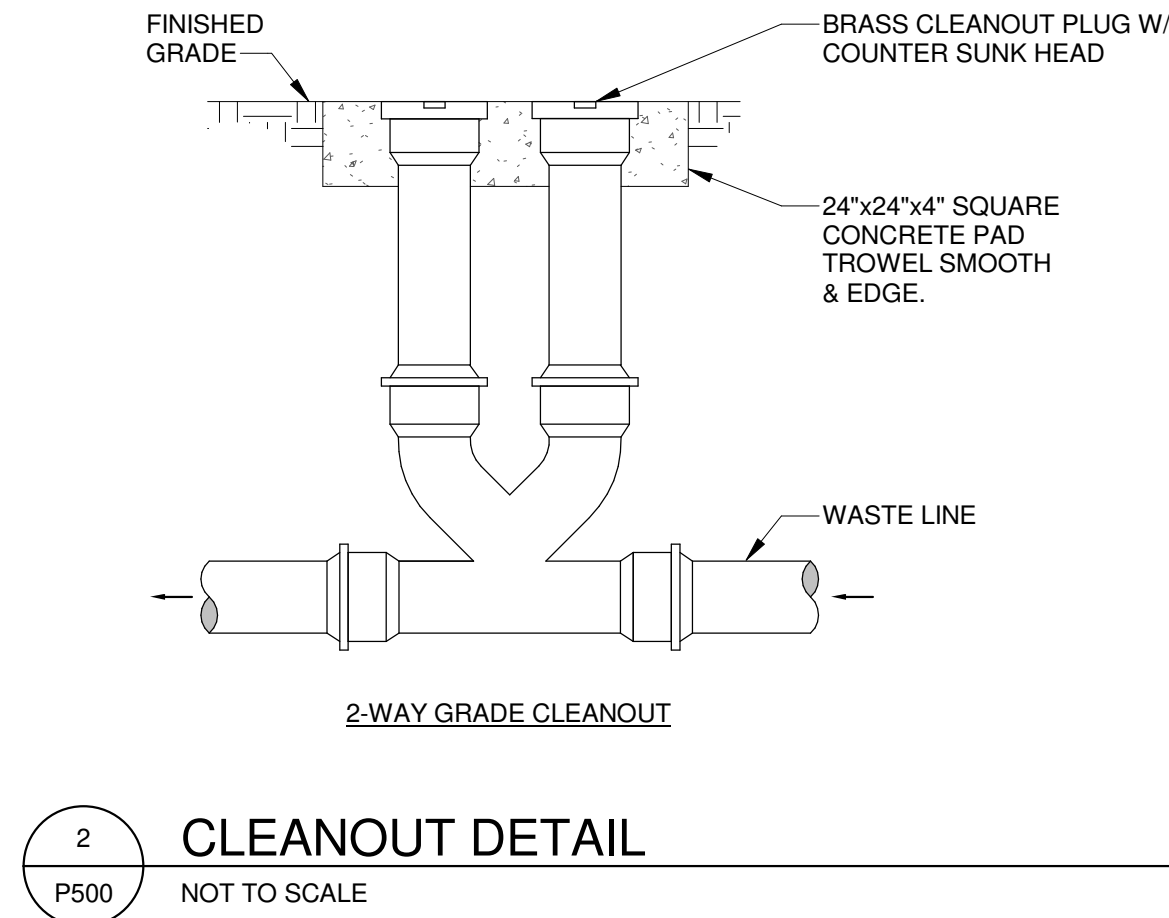
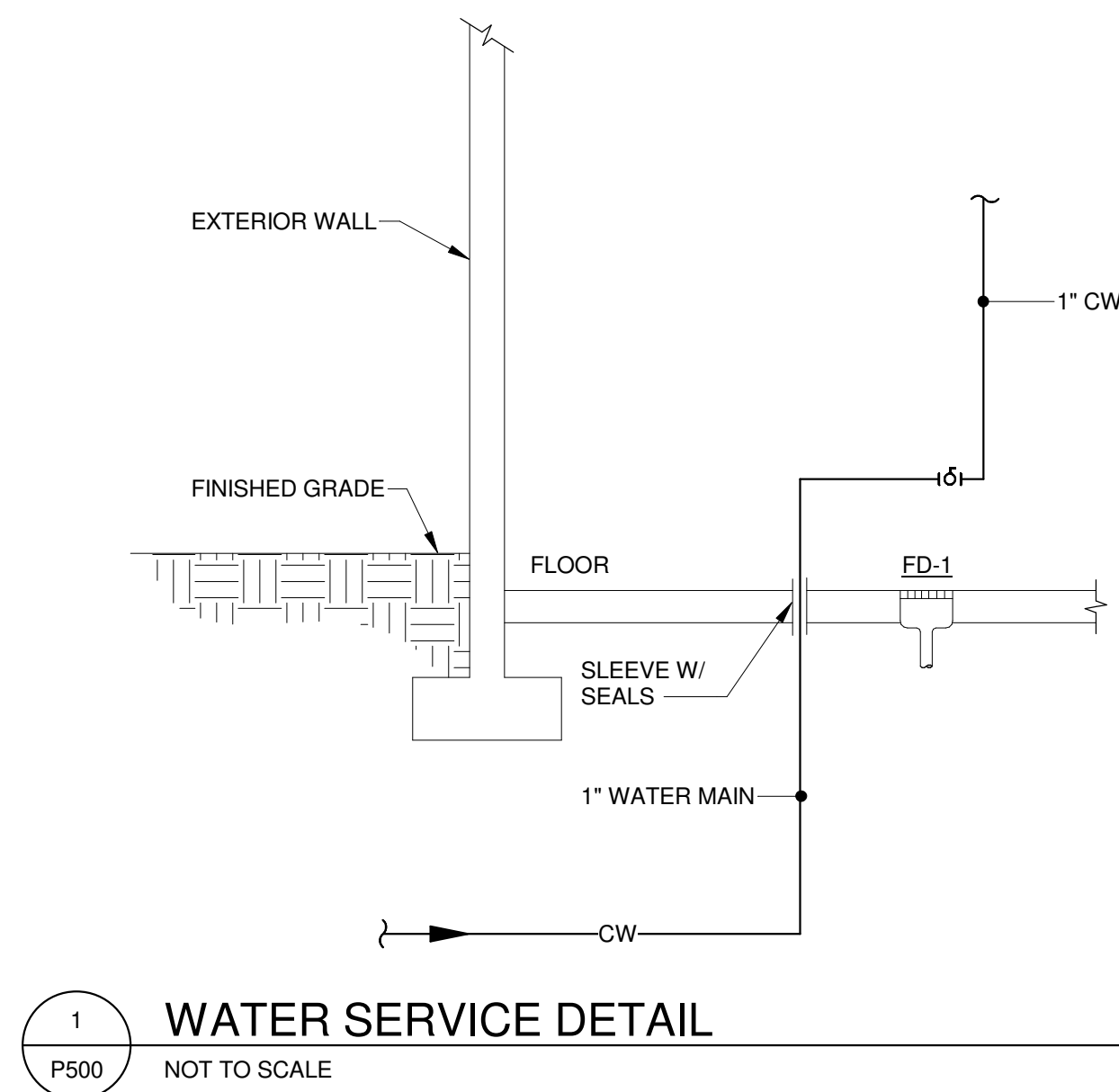
2 SECOND FLOOR DOMESTIC WATER PLAN
P201 1/4" = 1'-0"



1
P301
DWV RISER
NOT TO SCALE



2
P301
DOMESTIC WATER RISER
NOT TO SCALE

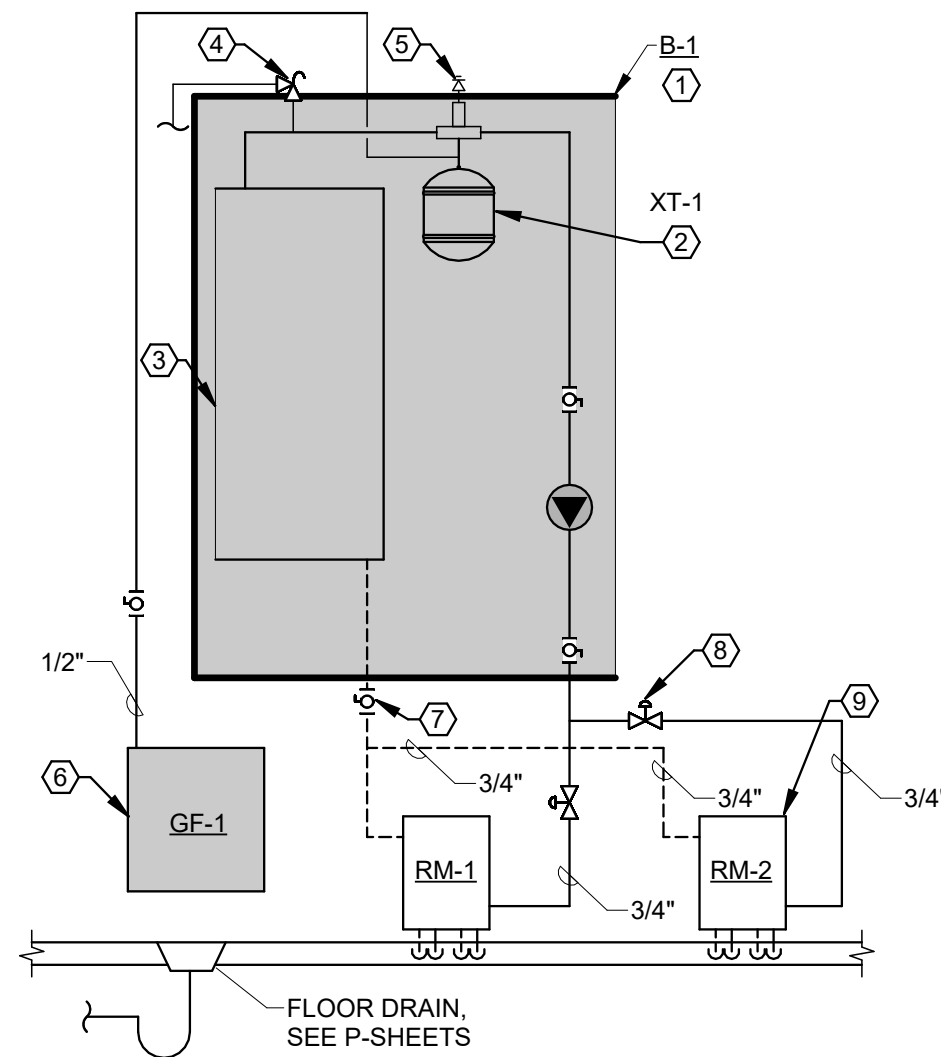


BOILER SYSTEM INSTALL GENERAL NOTE:

GENERAL INTENT IS FOR WALL MOUNTING OF ALL BOILER ACCESSORIES, EQUIPMENT AND PIPING, AND FOR A NEAT, ORDERLY INSTALLATION OF THE HEATING PLANT WITH A MINIMAL AMOUNT OF PIPING. CONTRACTOR TO MAKE ADJUSTMENTS AS REQUIRED TO CREATE A FUNCTIONAL & MAINTAINABLE SYSTEM IN AS COMPACT AND CLEAN AN INSTALLATION AS POSSIBLE.

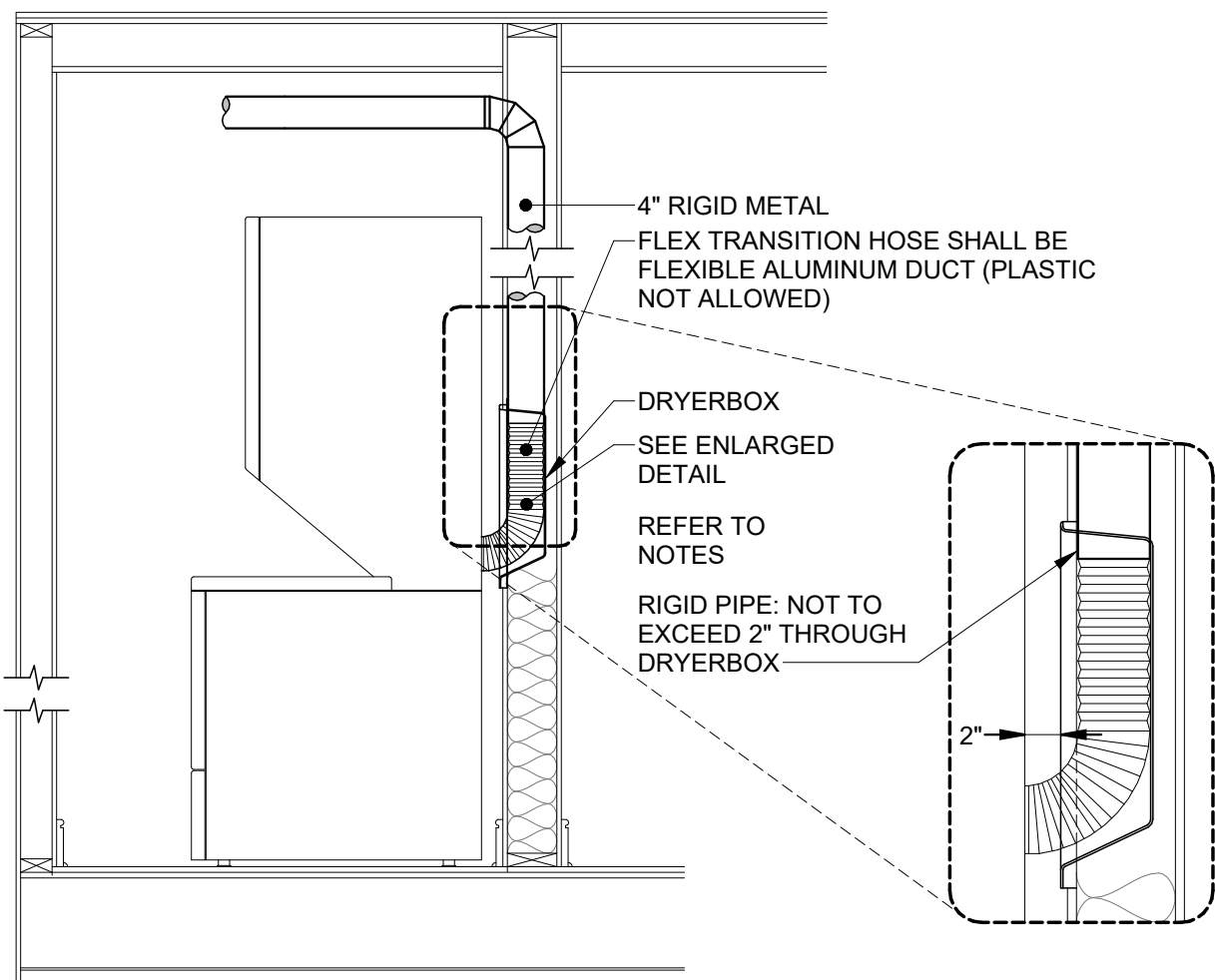
BOILER FLOW DIAGRAM NOTES:

- WALL MOUNTED ELECTRIC BOILER. ALL ACCESSORIES WITHIN SHADED REGION ARE INCLUDED WITH BOILER.
- EXPANSION TANK, SHIPPED LOOSE WITH BOILER, VERIFY 12 PSI PRECHARGE PRIOR TO INSTALL.
- BOILER ELECTRIC HEATING SECTION.
- SAFETY RELIEF VALVE, FURNISHED WITH BOILER, PIPE FULL SIZE TO GLYCOL FEEDER.
- AIR ELIMINATOR AND AUTOMATIC AIR VENT FURNISHED WITH BOILER.
- GLYCOL MINI FEEDER, WALL MOUNT ON SHELF BRACKET.
- BALL VALVE, TYPICAL.
- TWO-POSITION ZONE VALVE FURNISHED BY MC, TYP. SEE TC DIAGRAM 4/M001
- RADIANT PEX MANIFOLD PAIR PER SCHEDULE AND DETAIL 3/M001, TYPICAL.



1 BOILER FLOW DIAGRAM

M001 NOT TO SCALE



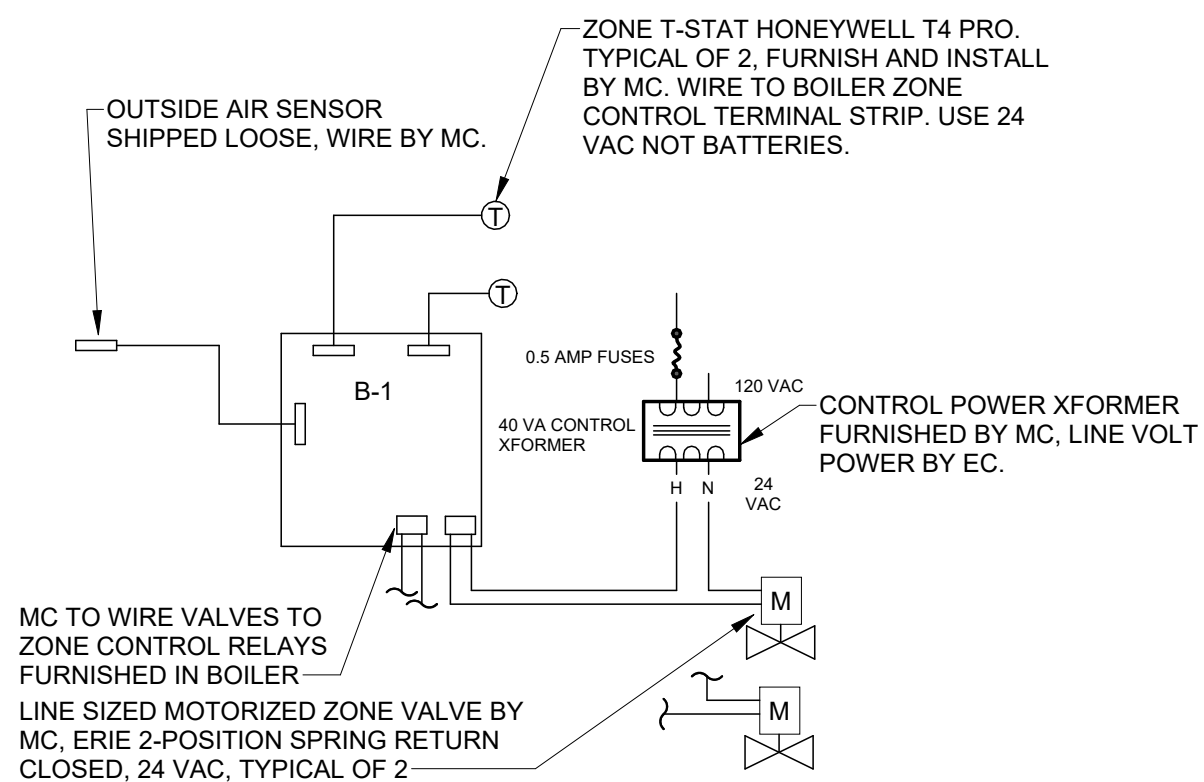
DRYER VENTING: MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR RUNNING ALL DUCTWORK FOR THE DRYER EXHAUST SYSTEM. ALL CONCEALED DRYER DUCTING MUST BE RIGID METAL ALUMINUM MINIMUM OF 4" IN DIAMETER. DUCT JOINTS SHALL BE INSTALLED SO THAT THE MALE END OF THE DUCT POINTS IN THE DIRECTION OF THE AIRFLOW. DO NOT USE RIVETS OR SCREWS ANYWHERE IN THE DUCT SYSTEM AS THESE WILL ENCOURAGE LINT COLLECTION.

DRYERBOX RECEPTACLE SHALL BE METAL AND BE INSTALLED TO PERMIT THE PROPER AND SAFE COLLECTION OF THE DRYER TRANSITION HOSE. RIGID DUCT SHOULD PENETRATE DRYERBOX PORT 2 INCHES TO PROVIDE FOR FUTURE CONNECTION AND STORAGE OF TRANSITION HOSE. FOR USAGE IN A ONE-HOUR WALL ASSEMBLY, UL REQUIRES THAT BATT INSULATION BE STUFFED AROUND THE DRYERBOX AND IN THE ENTIRE WALL CAVITY CELL.

LENGTH OF CONCEALED RIGID METAL DUCTING SHALL NOT EXCEED 35 FEET. DEDUCT 5 FEET FROM THE ALLOWABLE LENGTH FOR EVERY 3.5" RADIUS 90 DEGREE ELBOW AND TWO AND A HALF FEET FOR EVERY 45 DEGREE FITTING. DRYER VENTING SHALL BE INDEPENDENT OF ANY OTHER SYSTEMS (CHIMNEYS OR EXHAUST VENTS). TERMINATION OF DRYER VENTING MUST BE TO THE EXTERIOR WITH A PROPER VENT CAP EQUIPPED WITH A BACK-DRAFT DAMPER. SMALL ORIFICE METAL SCREENING SHOULD NOT BE PART OF THE VENT AS THIS WILL ACCELERATE LINT ACCUMULATION AND BLOCKAGE. THE VENT OPENING SHOULD POINT DOWN AND EXHIBIT 12 INCHES OF CLEARANCE BETWEEN THE BOTTOM OF THE VENT AND THE GROUND OR OTHER OBSTRUCTION. VERIFY MANUFACTURER'S RECOMMENDATIONS FOR ANY OTHER FACTORS.

2 DRYER BOX DETAIL

M001 NOT TO SCALE



4 TEMPERATURE CONTROL DIAGRAM

M001 NOT TO SCALE

HVAC ABBREVIATIONS

%	PERCENT	KWH	KILOWATT HOUR
ACFM	ACTUAL CFM	LAT	LEAVING AIR TEMPERATURE
AFF	ABOVE FINISHED FLOOR	LBS	POUNDS
AMP	AMPERE (AMP, AMPS)	LF	LINEAR FEET
APPROX	APPROXIMATE	LWT	LEAVING WATER TEMPERATURE
BHP	BRAKE HORSEPOWER, BOILER HORSEPOWER	MAX	MAXIMUM
BTU	BRITISH THERMAL UNIT	MBH	BTU PER HOUR (THOUSAND)
C	COMMON	MC	MECHANICAL CONTRACTOR
CFM	CUBIC FEET PER MINUTE	NTS	NOT TO SCALE
CU FT	CUBIC FEET	OA	OUTSIDE AIR
DBT	DRY-BULB TEMPERATURE	OBD	OPPOSED BLADE DAMPER
DIA	DIAMETER	OD	OUTSIDE DIAMETER
EAT	ENTERING AIR TEMPERATURE	PD	PRESSURE DROP
EC	ELECTRICAL CONTRACTOR	PH	PHASE (ELECTRICAL)
EDR	EQUIVALENT DIRECT RADIATION	PSI	POUNDS PER SQUARE INCH
EWT	ENTERING WATER TEMPERATURE	RA	RETURN AIR
EXP	EXPANSION	RH	RELATIVE HUMIDITY
F	FAHRENHEIT	RPM	REVOLUTIONS PER MINUTE
FPM	FEET PER MINUTE	SA	SUPPLY AIR
FPS	FEET PER SECOND	SCFM	CFM, STANDARD CONDITIONS
FT	FOOT OR FEET	SH	SENSIBLE HEAT
GA	GAGE OR GUAGE	SPEC	SPECIFICATION
GAL	GALLONS	T STAT	THERMOSTAT
GC	GENERAL CONTRACTOR	TC	TEMPERATURE CONTROL
GPD	GALLONS PER DAY	TD	TEMPERATURE DIFFERENCE
GPH	GALLONS PER HOUR	TEMP	TEMPERATURE
GPM	GALLONS PER MINUTE	TOD	TOP OF DUCT
HD	HEAD	TONS	TONS OF REFRIGERATION
HGT	HEIGHT	V	VOLT
HP	HORSEPOWER	VEL	VELOCITY
HZ	FREQUENCY	VFD	VARIABLE FREQUENCY DRIVE
ID	INSIDE DIAMETER	WPD	WATER PRESSURE DROP
KW	KILOWATT		

MECHANICAL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
—HWS—	HEATING WATER SUPPLY		TURNING VANE ELBOW
-----HWR-----	HEATING WATER RETURN		EXHAUST GRILLE (W/ RIGID BRANCH DUCT)
	BALL VALVE	E-1 (PLAN CODE) 200 (CFM)	
	SWING CHECK VALVE		THERMOSTAT/TEMPERATURE SENSOR
	STRAINER		MANUAL FLOW BALANCING VALVE (CIRCUIT SETTER)
	FLEX CONNECTOR		AUTOMATIC FLOW BALANCING VALVE
	HOSE END DRAIN VALVE		PRESSURE / TEMP. TEST PLUG
	PRESSURE REDUCING VALVE		DIAL THERMOMETER
	SAFETY RELIEF VALVE		PRESSURE GAUGE W/ SNUBBER
	UNION		PIPE SIZE CHANGE
	MOTORIZED TC VALVE / 2-WAY		DIRECTION OF FLOW
	VALVE IN RISER		ELBOW UP
	TEE UP		ELBOW DOWN
	TEE DOWN		

RADIANT FLOOR HEAT MANIFOLD SCHEDULE

PLAN CODE	DESIGN BASIS	AREA SERVED	AREA (SF)	TOTAL PANEL LOAD (MBH) (NOTE 3)	CAPACITY (BTU/SF)	FLOW RATE (GPM)	WPD (FT)	TUBE SPACING (IN)	CIRCUIT LENGTH (FT)	NUMBER OF CIRCUITS	TUBE DIA. (IN)	MANIFOLD DIA. (IN)	SUPPLY TEMP (°F)	NOTES
RM-1	WATTS D3803002SS	KITCHEN / GREAT RM	465	10.0	21.5	1.7	10.0	12	235	2	1/2	1"	120	1, 2, 3, 4
RM-2	WATTS D3803002SS	REST OF 1st FLR	465	10.0	21.5	1.7	10.0	12	235	2	1/2	1"	120	1, 2, 3, 4

NOTES:

- SUPPLY & RETUN MANIFOLD PAIR, WITH INTEGRAL FLOW METERS, BALANCE VALVES, MANIFOLD ISOLATION VALEVES, SUPPLY AND RETURN THERMOMETERS
- HEATING WATER MEDIA IS 30% PROPYLENE GLYCOL
- PANEL LOAD INCLUDES BACK AND EDGE LOSSES; CAPACITY IS HEAT TO THE ROOM
- ALL PEX CIRCUITS TO BE EQUAL LENGTH

GLYCOL FEEDER SCHEDULE

PLAN CODE	MANUFACTURER	MODEL	CAPACITY (GAL)	PUMP (GPM)	MOTOR (HP)	PRESSURE MAX (PSI)	POWER (V-PH-HZ)	NOMINAL DIMS (W" x D" x H")	WEIGHT (LBS, EMPTY)	NOTES
GF-1	AXIOM	DMF150	4.6	1	1/6	45	120-1-60	10 x 12 x 19	10	1, 2, 3, 4, 5

NOTES:

- MINI GLYCOL FEEDER WITH WALL MOUNT BRACKET
- SET PRESSURE AS REQUIRED FOR 12 PSI EXPANSION TANK PRESSURE FILL
- HEATING MEDIA IS 30% PROPYLENE GLYCOL
- WITH 3-PRONG CORDED PLUG POWER CONNECTION
- WITH LOW TANK LEVEL SHUT OFF

BOILER SCHEDULE

PLAN CODE	MFGR	MODEL	FUEL	INPUT (KW)	OUTPUT (BTU/HR)	CAPACITY CONTROL	POWER (V-PH-HZ)	WEIGHT (LBS)	NOTES
B-1	ELECTRO INDUSTRIES	EZB-M2-09-240-1	ELECTRIC	9.0	30,708	MODULATING	240-1-60	111	1, 2, 3, 4, 5

NOTES:

- WALL MOUNT BOILER
- WITH INTEGRAL EXPANSION TANK, AIR ELIMINATOR, AUTOMATIC AIR VENT, 30 PSI RELIEF VALVE, AND 3 SPEED ECM PUMP TACO 0015 E3 OR EQUAL, 3.5 GPM @ 17' HEAD
- MODULATING CONTROL RATHER THAN STAGED. SEE SEQUENCE OF OPERATION AND TC DIAGRAM FOR ADDITIONAL REQUIREMENTS.
- WITH AUTO RESET PRIMARY HIGH TEMP LIMIT & MANUAL RESET SECONDARY HIGH TEMP LIMIT
- HEATING MEDIA IS 30% PROPYLENE GLYCOL

ELECTRIC HEATER SCHEDULE

PLAN CODE	MFGR	MODEL	WATTS	NOMINAL DIMENSIONS (L x H x D)	POWER (V-PH-HZ)	NOTES
BB-1	QMARK	QMKC	2,000	96" x 7" x 3"	240-1-60	1, 3, 6
BB-2	QMARK	QMKC	1,500	72" x 7" x 3"	120-1-60	1, 3, 6
BB-3	QMARK	QMKC	1,000	48" x 7" x 3"	120-1-60	1, 3, 6
WH-1	QMARK	AWH4404F	2,000	16" x 20" x 4"	240-1-60	2, 3, 4, 5, 7

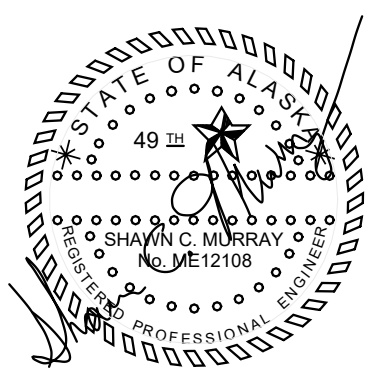
NOTES:

- ELECTRIC BASEBOARD HEATER
- WALL MOUNTED ELECTRIC HEATER WITH INTEGRAL FAN
- WHITE COLOR
- UNIT MOUNTED THERMOSTAT
- WITH INTEGRAL DISCONNECT
- WITH SHIPPED LOOSE LINE VOLTAGE WALL THERMOSTAT MODEL M611W FOR 120 VOLT HEATERS, M612W FOR 240 VOLT HEATERS
- RECESSED MOUNT OR SEMI-RECESSED DEPENDING ON PLAN NOTES

Cushing Terrell

cushingterrell.com
800.757.9522

SEARHC WORKFORCE HOUSING
1064 SIMOVIA HIGHWAY, WRANGELL, AK 99929
SINGLE FAMILY TWO STORY (SHED ROOF)



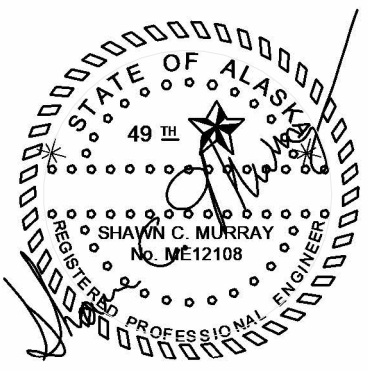
© 2025 | ALL RIGHTS RESERVED

CONSTRUCTION DOCUMENTS

PROJ# | SEARHC_WRNLGFHF
DESIGNED BY | JASSEN
DRAWN BY | MITCHELL
REVIEWED BY | MURRAY
REVISIONS

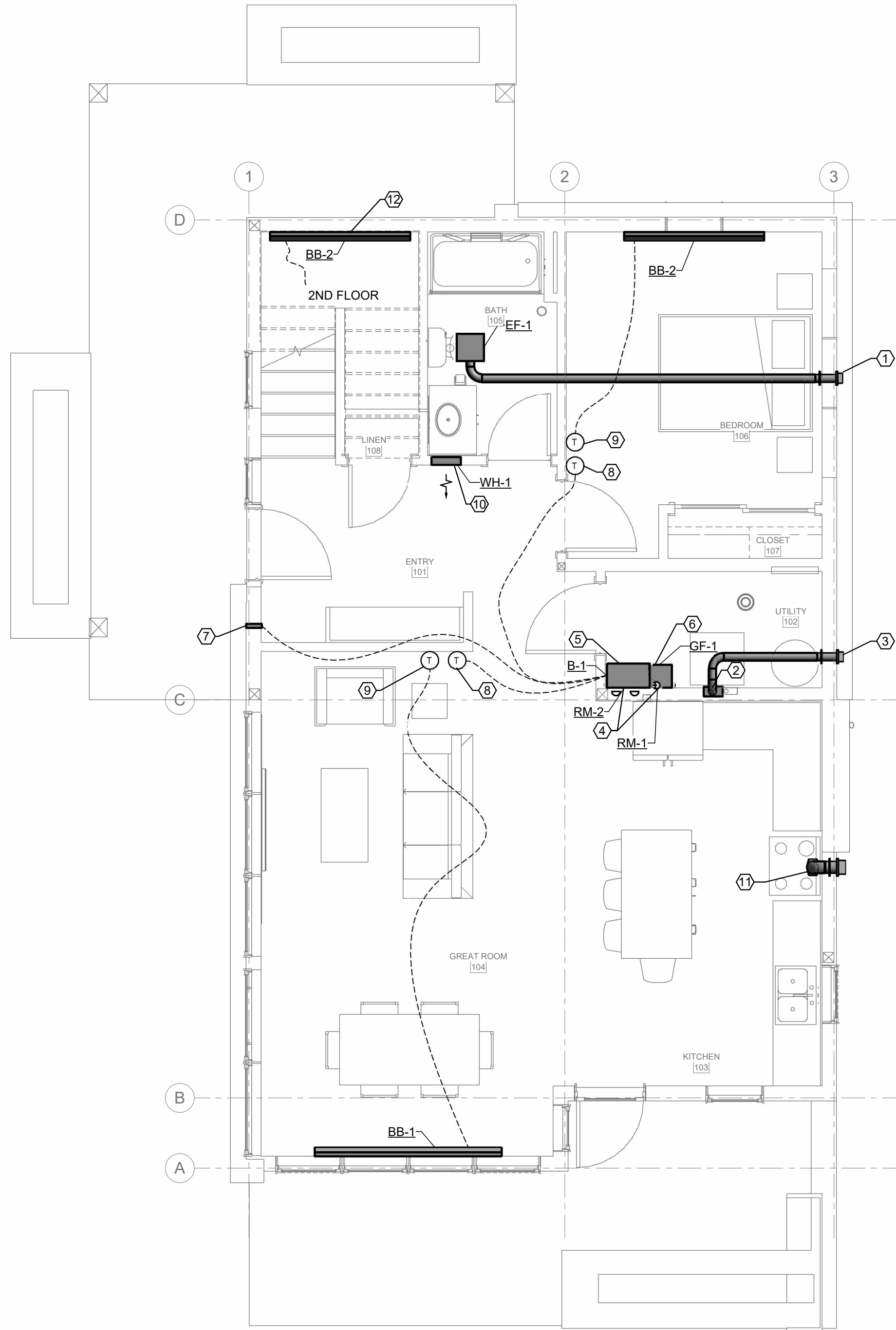
MECHANICAL SCHEDULES & LEGENDS

M001



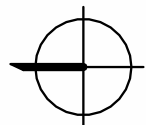
KEYNOTES

1. 4" ALUMINUM EXHAUST WALL CAP SIEHO MODEL SX OR APPROVED EQUAL. COORDINATE EXTERIOR WALL PENETRATION LOCATION WITH GC.
2. EXTEND 4" ALUMINUM DRYER VENT DOWN TO DRYER VENT BOX ROUGHED IN WALL. VENT DRYER BOX SHALL BE EQUAL TO "CONSTRUCTION SOLUTIONS" MODEL DBX1017FR. SEE DETAIL 2/M001. COORDINATE EXTERIOR WALL PENETRATION LOCATION WITH GC.
3. 4" DRYER VENT CAP WITH BACKDRAFT DAMPER SIEHO MODEL SFB OR APPROVED EQUAL. COORDINATE EXTERIOR WALL PENETRATION LOCATION WITH GC.
4. RADIANT FLOOR HEAT PIPING MANIFOLD (BELOW BOILER), SEE DETAIL 3/M001.
5. ELECTRIC BOILER INSTALL ON WALL. SEE PIPING DIAGRAM 1/M001.
6. GLYCOL FEEDER, SHELF MOUNT ON WALL MAINTAINING ALL REQUIRED CLEARANCES.
7. OUTSIDE AIR TEMPERATURE SENSOR FURNISHED WITH BOILER, ROUGH IN BY EC, INSTALLATION BY MC. INSTALL PER ALL MANUFACTURERS WRITTEN INSTRUCTIONS. SEAL PENETRATION WATER TIGHT.
8. RADIANT FLOOR HEAT THERMOSTAT FURNISHED BY MC, ROUGH IN BY EC, INSTALLATION BY MC.
9. LINE VOLTAGE THERMOSTAT FURNISHED BY MC, INSTALLED BY EC.
10. RECESSED ELECTRIC WALL HEATER WITH INTEGRAL THERMOSTAT. INSTALL PER MANUFACTURERS WRITTEN INSTRUCTIONS. INSTALL BOTTOM OF HEATER AT APPROXIMATELY 12" AFF.
11. CONFIGURE MICROWAVE / RANGE HOOD (FURNISHED BY OTHERS) FOR EXHAUST TO OUTDOORS. CONNECT 4"x8" DUCT, TRANSITION TO 6" ROUND WITHIN UPPER CABINETS AND ELBOW OUT TO EXHAUST WALL CAP. 6" EXHAUST WALL CAP SHALL BE ALUMINUM SIEHO MODEL SX OR APPROVED EQUAL.
12. ELECTRIC BASEBOARD HEAT ON STAIR LANDING.

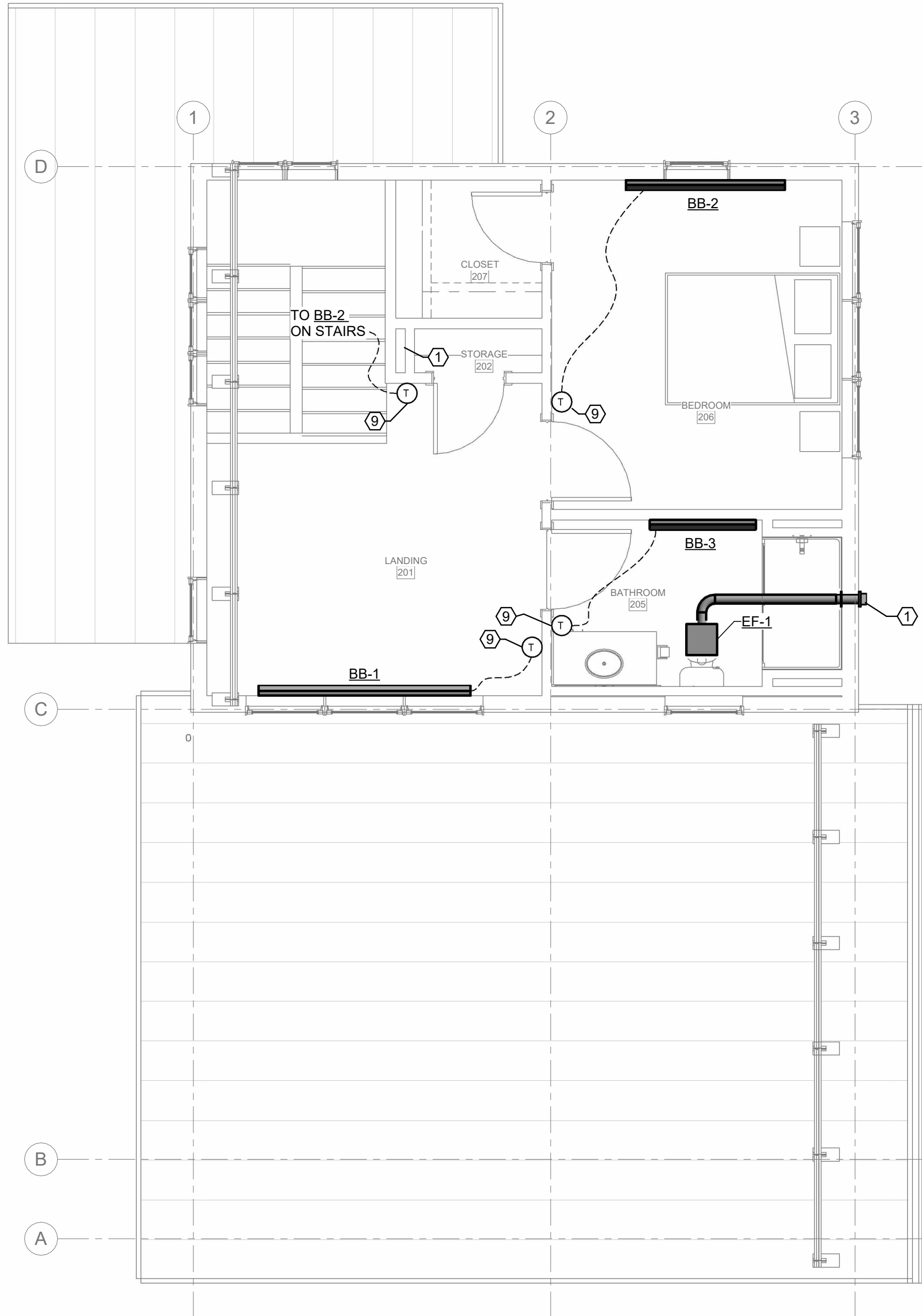


1 HVAC FIRST FLOOR PLAN

M100 1/4" = 1'-0"

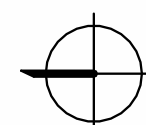


NORTH REF



2 HVAC SECOND FLOOR PLAN

M100 1/4" = 1'-0"



NORTH REF

1. MAINTAIN THE TUBE SPACING INDICATED IN THE RADIANT MANIFOLD SCHEDULE THROUGHOUT. SEE SLAB DETAIL 2/M101 AND RADIANT INSTALL NOTES FOR ADDITIONAL REQUIREMENTS.
2. ROUTE SUPPLY END OF THE PEX CIRCUIT AT THE EXTERIOR WALLS SUCH THAT HOTTEST WATER IS NEAR AREAS OF MOST HEAT LOSS.
3. DESIGN INCLUDES TWO CIRCUITS PER MANIFOLD PRE-PLAN TO ENSURE EQUAL LENGTH PER CIRCUIT.
4. ENTIRE SLAB TO BE HEATED (NO EXCLUSION AREAS). SEE PEX DAMAGE PREVENTION NOTE AT EDGE OF THIS PLAN FOR ADDITIONAL REQUIREMENTS.

00.757.9522

0025 | ALL RIGHTS RESERVED

CONSTRUCTION
DOCUMENTS

DJ# | SEARHC_WRNLWFH
 SIGNED BY | JÄSSEN
 AWN BY | MITCHELL
 VIEWED BY | MURRAY
 VISIONS

- A. SECURE TUBING TO REBAR AT MAXIMUM 18" INTERVALS. USE TUBING FASTENERS LISTED FOR PEX RADIANT/ SNOWMELT APPLICATIONS.
- B. ALL CIRCUITS OF A GIVEN MANIFOLD TO BE SAME LENGTH.
- C. EACH TUBE CIRCUIT SHALL BE CONTINUOUS WITHIN THE SLAB (NO SPLICES OR FITTINGS ALLOWED IN THE CONCRETE)
- D. PEX TUBING SHALL BE OXYGEN BARRIER PEX TUBING.
- E. PRESSURE TEST THE TUBING AT 80 PSI PRIOR TO CONCRETE PLACEMENT. MAINTAIN 30 PSI DURING CONCRETE PLACEMENT AND FOR 24 HOURS AFTER.

3" —

2" —

1" —

1/2" OXYGEN BARRIER PEX TUBE
BY MC (5/8" OD) CENTER OF PIPE
TO BE 2" FROM TOP OF SLAB.

1/2" OXYGEN BARRIER PEX TUBE
BY MC (5/8" OD) CENTER OF PIPE
TO BE 2" FROM TOP OF SLAB.

1/2" OXYGEN BARRIER PEX TUBE
BY MC (5/8" OD) CENTER OF PIPE
TO BE 2" FROM TOP OF SLAB.

#3 BAR BY GC ON 18"
CENTERS, BOTH WAYS

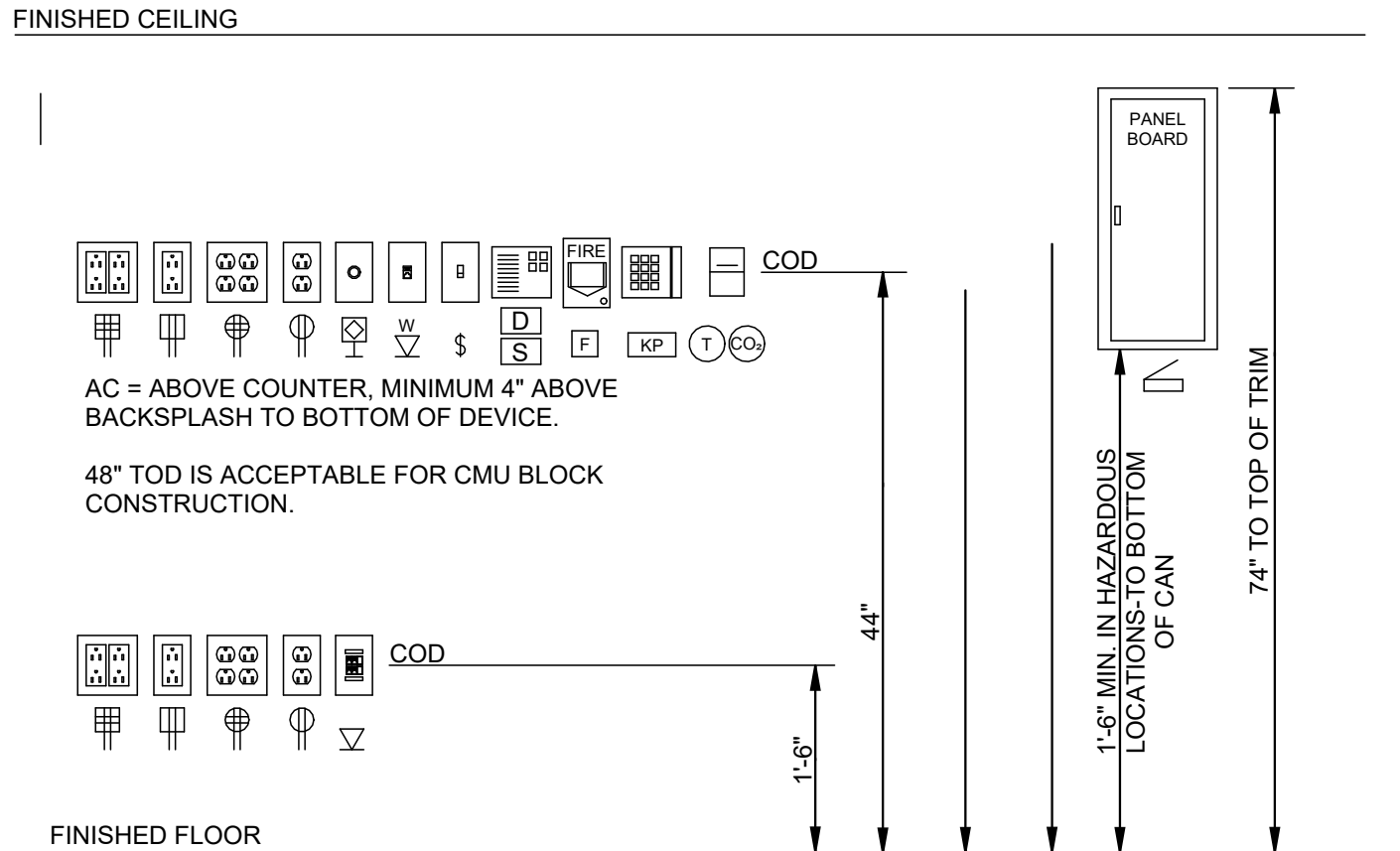
#3 BAR BY GC ON 18"
CENTERS, BOTH WAYS

4" CONCRETE FLOOR SLAB

RIGID FOAM INSULATION,
R-5 MINIMUM, BY GC.



INTERIOR BOX MOUNTING HEIGHTS



PANEL: A									
MOUNTING TYPE: RECESSED		AMPS: 250 A		NOTES:					
MANUFACTURER: SEE SPECIFICATIONS		VOLTAGE: 120/240 Single							
MODEL TYPE: LOAD CENTER		TYPE OF MAIN: 250A MCB %100 RATED							
FED FROM:		MINIMUM AIC RATING: SEE ONE-LINE DIAGRAM							
LOAD NAME	CK...	BK...	POLE	A	B	POLE	BK...	CK...	LOAD NAME
APPLIANCE - DISPOSAL	1	20	1			1	20	2	APPLIANCE - DISHWASHER (NOTE 1)
APPLIANCE - KITCHEN RANGE/COOKTOP	3	50	2			1	20	4	APPLIANCE - MICROWAVE (NOTE 1)
--	5	--	--			1	20	6	APPLIANCE - REFRIGERATOR (NOTE 1)
RECEPT - KITCHEN COUNTER, ISLAND (NOTE 2)	7	15	1			1	15	8	RECEPT - KITCHEN COUNTER, ISLAND (NOTE 2)
ELECTRIC HEAT - BB-1 GREAT ROOM (NOTE 2)	9	15	2			1	20	10	RECEPT - GREAT ROOM, KITCHEN, ENTRY (NOTE 2)
--	11	--	--			1	20	12	EQUIP - FIREPLACE GREAT ROOM (NOTE 2)
APPLIANCE - ELECTRIC CLOTHES DRYER (NOTE 3)	13	30	2			1	20	14	APPLIANCE - WASHING MACHINE (NOTE 3)
--	15	--	--			1	20	16	RECEPT - UTILITY, STAIR, EXTERIOR (NOTE 2)
RECEPT - 1ST FLR BEDROOM (NOTE 2)	17	15	1			2	60	18	EQUIP - EWH-1 WATER HEATER (NOTE 3)
ELECTRIC HEAT - BB-2 1ST FLR BEDROOM (NOTE 2)	19	20	1			--	--	--	--
ELECTRIC HEAT - BB-2 STAIR (NOTE 2)	21	20	1			1	20	22	RECEPT/LTG - 1ST FLR BATHROOM (NOTE 1)
EQUIP - B-1 (PUMP) ELECTRIC BOILER PUMP	23	15	1			1	15	24	EQUIP - GLYCOL FEEDER
EQUIP - B-1 ELECTRIC BOILER	25	60	2			2	15	26	ELECTRIC HEAT - EH-3 ENTRY (NOTE 2)
--	27	--	--			--	--	--	--
RECEPT - PRIMARY BEDROOM (NOTE 2)	29	20	1			1	20	30	LTG - 1: ENTRY, GRTRM, KITCH., EXT., UTIL. (NOTE 2)
ELECTRIC HEAT - BB-2 2ND FLR BEDROOM (NOTE 2)	31	20	1			1	20	32	LTG - 1: BDRM, STR, BATH, 2: BDRM, OFFICE (NOTE 2)
SMOKE DETECTORS (NOTE 2)	33	15	1			1	15	34	ELECTRIC HEAT - BB-3 2ND FLR BATH (NOTE 2)
RECEPT/LTG - 2ND FLR BATHROOM (NOTE 1)	35	20	1			1	20	36	RECEPT - OFFICE (NOTE 2)
ELECTRIC HEAT - BB-1 OFFICE (NOTE 2)	37	15	2			1	--	38	SPACE
--	39	--	--			1	--	40	SPACE
SPACE	41	--	1			1	--	42	SPACE
NOTES: 1. PROVIDE GFCI/AFCI CIRCUIT BREAKER. 2. PROVIDE AFCI CIRCUIT BREAKER AS REQUIRED PER NEC REQUIREMENTS. 3. PROVIDE GFCI CIRCUIT BREAKER.									

TWO STORY TWO BEDROOM FEEDER SIZING (BASED ON NIT SQ/FT SIZE 1540SQ/FT)				
(Lighting loads include all lighting and general use receptacles per NEC 220.14(I))				
Lighting Load	3w per sq/ft	1540*3	4620	watts
Appliance Load	1500w per circuit	2*1500	3000	watts
Total			7620	watts
Adjusted load based off 220.84 (first 3000 w at 100% remainder at 35%)				
Lighting/Appliance Load		3000+(4+620*35%)	4141	watts
Electric Boiler	37.5A @ 240.1ph		9000	watts
Electric Heat	41.7A @ 240.1ph		10000	watts
Water Heater	37.5A @ 240.1ph		9000	watts
Range	one unit @8000 w		6400	watts
Dryer	one unit @5000w		5000	watts
Microwave	one unit @1000w		1000	watts
Refrigerator	one unit @900w		900	watts
Dishwasher	one unit @1000w		1000	watts
Wash Machine	one unit @900w		900	watts
Exhaust Fans	2 unit total of 44w		44	watts
Total			47385	watts
Total			228	Amps

ELECTRICAL LEGEND

LIGHTING	
SYMBOL	DESCRIPTION
	WALL MOUNTED FIXTURE, SIZE ON PLANS
	SURFACE MOUNTED FIXTURE, SIZE ON PLANS
	RECESSED DOWNLIGHT FIXTURE; PENDANT FIXTURE
	WALL MOUNTED FIXTURE
	CEILING FAN FIXTURE
ABBREVIATIONS AND MISCELLANEOUS	
SYMBOL	DESCRIPTION
AC	ABOVE COUNTER, 4" BACK SPLASH
AFG	ABOVE FINISHED GRADE
AFF	ABOVE FINISHED FLOOR
BLG	BELOW GRADE
BOD	BOTTOM OF DEVICE
C	CONDUIT
CLG	CEILING
COD	CENTER OF DEVICE
CU	COPPER
(E)	EXISTING
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
GC	GENERAL CONTRACTOR
GND	GROUND
M/C	MECHANICAL CONTRACTOR
(N)	NEW
QTY	QUANTITY
(R)	RELOCATED
SF	SURFACE
TYP	TYPICAL
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
W/	WITH
WP	WEATHER PROOF (WHILE IN USE)
XFMR	TRANSFORMER
a,b,c etc	SWITCH DESIGNATION
BN1L-2,4,6	CIRCUIT DESIGNATION, PANEL BN1L, CIRCUITS 2,4,6
1/E501	INDICATES DETAIL 1 ON SHEET E501
#	SHEET WORK NOTE
	HOME RUN TO PANEL
	CONDUIT CONCEALED IN CEILING OR WALL
	CONDUIT CONCEALED UNDER FLOOR
	CIRCUIT, NUMBER OF HASH MARKS INDICATES NUMBER OF CONDUCTORS IN CABLE/RACEWAY. GROUND WIRE IS NOT SHOWN BUT SHALL BE INCLUDED. NO HASH MARKS INDICATES 2 CONDUCTORS PLUS GROUND.

DEVICES AND POWER	
SYMBOL	DESCRIPTION
\$	SWITCH - SPST
3	THREEWAY
4	FOURWAY
WP	WEATHERPROOF
D	DIMMER
	RECEPTACLE - DUPLEX
USB	DEVICE RECEPTACLE W/ USB-A & USB-C PORTS
DC	DROP CORD
WP	WEATHERPROOF COVER & WEATHER RESISTANT RECEPTACLE
TR	TAMPER RESISTANT
S	SURGE PROTECTED
IG	ISOLATED GROUND
	FILLED CENTER INDICATES HOSPITAL GRADE EMERGENCY RECEPTACLE
	RECEPTACLE - DUPLEX WITH TOP HALF CONTROLLED AND PERMANENTLY MARKED "CONTROLLED"
	GFI RECEPTACLE - DUPLEX (GROUND FAULT INTERRUPT) - SAME INDICATORS AS SHOWN FOR DUPLEX RECEPTACLE
	RECEPTACLE - DOUBLE DUPLEX
	GFI RECEPTACLE - DOUBLE DUPLEX - SAME INDICATORS AS SHOWN FOR DUPLEX RECEPTACLE
	RECEPTACLE - DOUBLE DUPLEX WITH TOP HALF CONTROLLED AND PERMANENTLY MARKED "CONTROLLED" - SAME INDICATORS AS SHOWN FOR DUPLEX RECEPTACLE
	RECEPTACLE - 208V
R	RANGE - NEMA 14-50R
D	DRYER - NEMA 14-30R
W	WELDER - NEMA 14-50R
*	NEMA CONFIGURATION AS NOTED
J J	J-BOX - 4"X4"X2-1/8" DEEP UNLESS OTHERWISE NOTED
T	THERMOSTAT/TEMPERATURE SENSOR BY MC OR TC, J-BOX AND CONDUIT TO CEILING BY EC
\$ M	MANUAL MOTOR DISCONNECT/STARTER SWITCH
	SPECIAL PURPOSE CONNECTION - BOX INDICATES FLOOR MOUNTING - WORK AS NOTED
	ELECTRIC MOTOR CONNECTION
	COMBINATION STARTER/DISCONNECT SWITCH
	DISCONNECT SWITCH
	CIRCUIT BREAKER
	TIME CLOCK
	EXISTING PANELBOARD, SURFACE MOUNTED
	EXISTING PANELBOARD, FLUSH MOUNTED
	PANELBOARD, SURFACE MOUNTED
	PANELBOARD, FLUSH MOUNTED
	ELECTRIC METER, BUILDING MOUNTED
	TRANSFORMER, INTERIOR
	TRANSFORMER, EXTERIOR

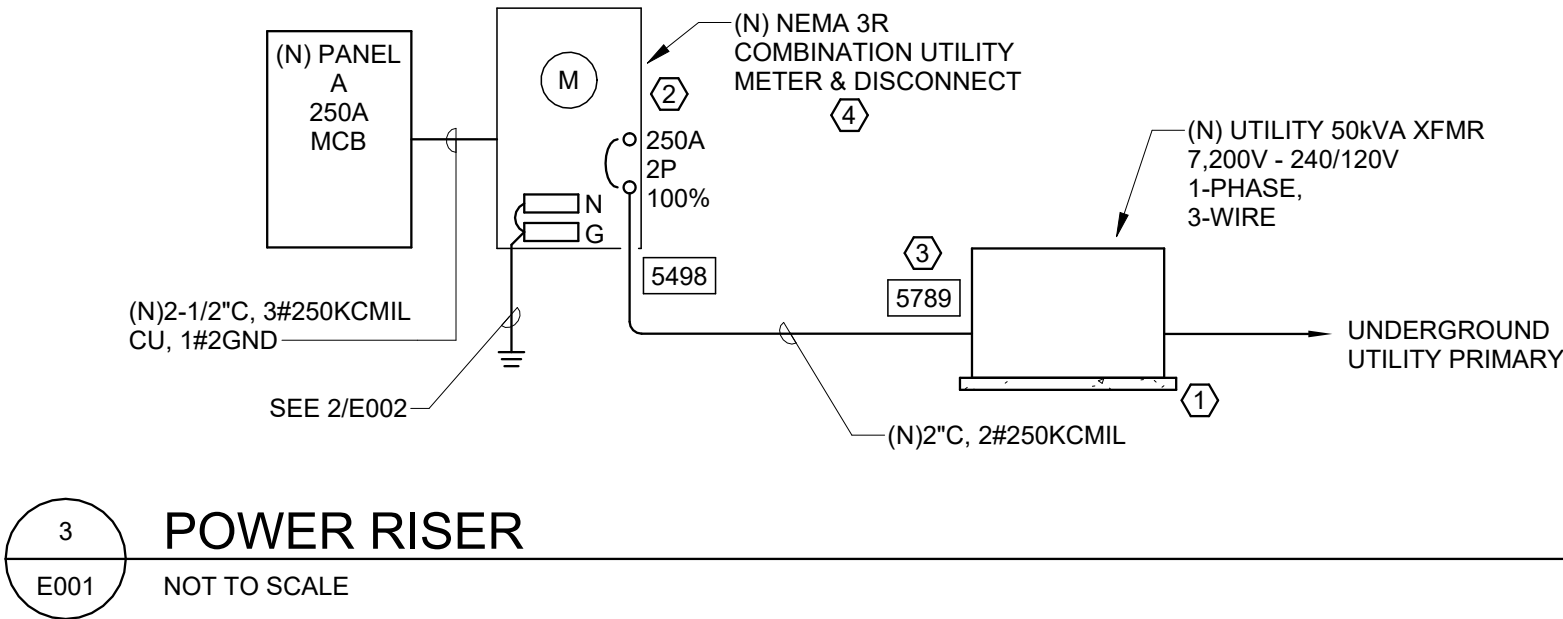
NOT ALL SYMBOLS MAY APPLY

LINE LEGEND

NEW

KEYNOTES

- PROVIDE UTILITY TRANSFORMER CONCRETE PAD IN COMPLIANCE WITH WRANGELL MUNICIPAL LIGHT AND POWER (WML&P) REQUIREMENTS. COORDINATE EXACT LOCATION WITH WML&P.
- WML&P COMBINATION METER SOCKET AND MAIN SERVICE DISCONNECT. COORDINATE LOCATION AND INSTALLATION WITH WML&P.
- AIC BASED ON 100kVA AND 4% IMPEDANCE (Z%).
- PROVIDE WITH 25kA 2- POLE WHOLE HOME SURGE PROTECTION DEVICE (SQUARE D MODEL #HOM2175SB OR EQUAL).



POWER RISER

NOT TO SCALE

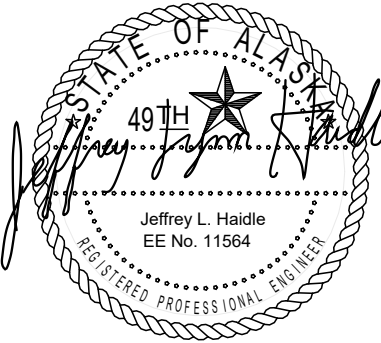
LIGHTING FIXTURE SCHEDULE

NOTES: 1) NOT USED												
TYPE	DESCRIPTION	MANUFACTURER	FIXTURE		MOUNTING			LIGHT SOURCE			OPTIONS	NOTES
			CATALOG NUMBER		LOCATION	TYPE	HEIGHT	VOLTAGE	VA	FINISH		
P1	6" MATTE BLACK LED DIMMABLE CYLINDER PENDANT	GOTHAM	IVO6CYL PC D 07LM 35K 80CRI MD MIN10 MVOLT LZ JBX CAN S4 P BR LD DBL		CEILING	PENDANT	6' 0" AFF	120 V	7.30	MATTE BLACK	X	
P2	4" MATTE BLACK LED DIMMABLE CYLINDER PENDANT	GOTHAM	IVO4CYL PC D 05LM 35K 80CRI MD MIN10 MVOLT LJ JBX CAN S4 P BR LD DBL		CEILING	PENDANT	8' 0" AFF	120 V	5.10	MATTE BLACK	X	
R1	6" DIMMABLE LED DOWNLIGHT WITH BLACK TRIM AND UNIVERSAL NEW CONSTRUCTION PAN	LITHONIA	WF6 SWW5 90CRI MB WF8643		CEILING	RECESSED	-	120 V	13.00	MATTE BLACK	X	
R2	6" WET RATED DIMMABLE LED DOWNLIGHT WITH WHITE TRIM AND UNIVERSAL NEW CONSTRUCTION PAN	LITHONIA	WF6 SWW5 90CRI MW WF8643		CEILING	RECESSED	-	120 V	13.00	MATTE WHITE	X	
S1	4' LED STRIP LIGHT	LITHONIA	CSS L48 AL03 MVOLT 35K 80CRI		CEILING	SURFACE	-	120 V	27.20	WHITE	-	
V1	31.5" BLACK DIMMABLE LED VANITY FIXTURE	JUSHENG	HD 8210 BK 80CM 5500K		WALL	SURFACE	7' 0" AFF	120 V	22.00	BLACK	X	
W1	4" LED WALL CYLINDER UP/DOWN LIGHT AND INTEGRAL PHOTOCCELL	LITHONIA	WMCL4 P1 SWW2 A45 UVOLT PE DDBXD M4		WALL	SURFACE	8' 0" AFG	120 V	19.00	DARK BRONZE	-	

Cushing Terrell

cushingterrell.com
800.757.9522

SEARHC WORKFORCE HOUSING
1064 ZIMOVIA HIGHWAY, WRANGELL, AK 99929
SINGLE FAMILY TWO STORY (SHED ROOF)



© 2025 | ALL RIGHTS RESERVED

CONSTRUCTION DOCUMENTS

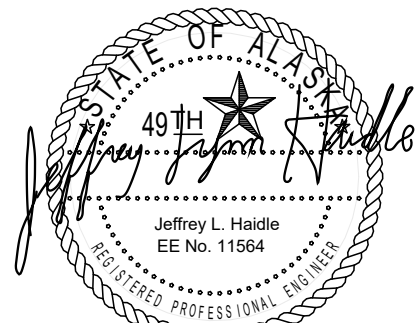
08.29.2025
PROJ# | SEARHC_WRNGLWFH
DESIGNED BY | CLARK
DRAWN BY | CLARK
REVIEWED BY | HAIDE
REVISIONS

ELECTRICAL SHEET INDEX

- E001 LEGENDS, SCHEDULES AND PANELS
- E002 ELECTRICAL SITE PLAN
- E100 LIGHTING, POWER AND SPECIAL SYSTEMS PLANS

LEGENDS, SCHEDULES AND PANELS

E001

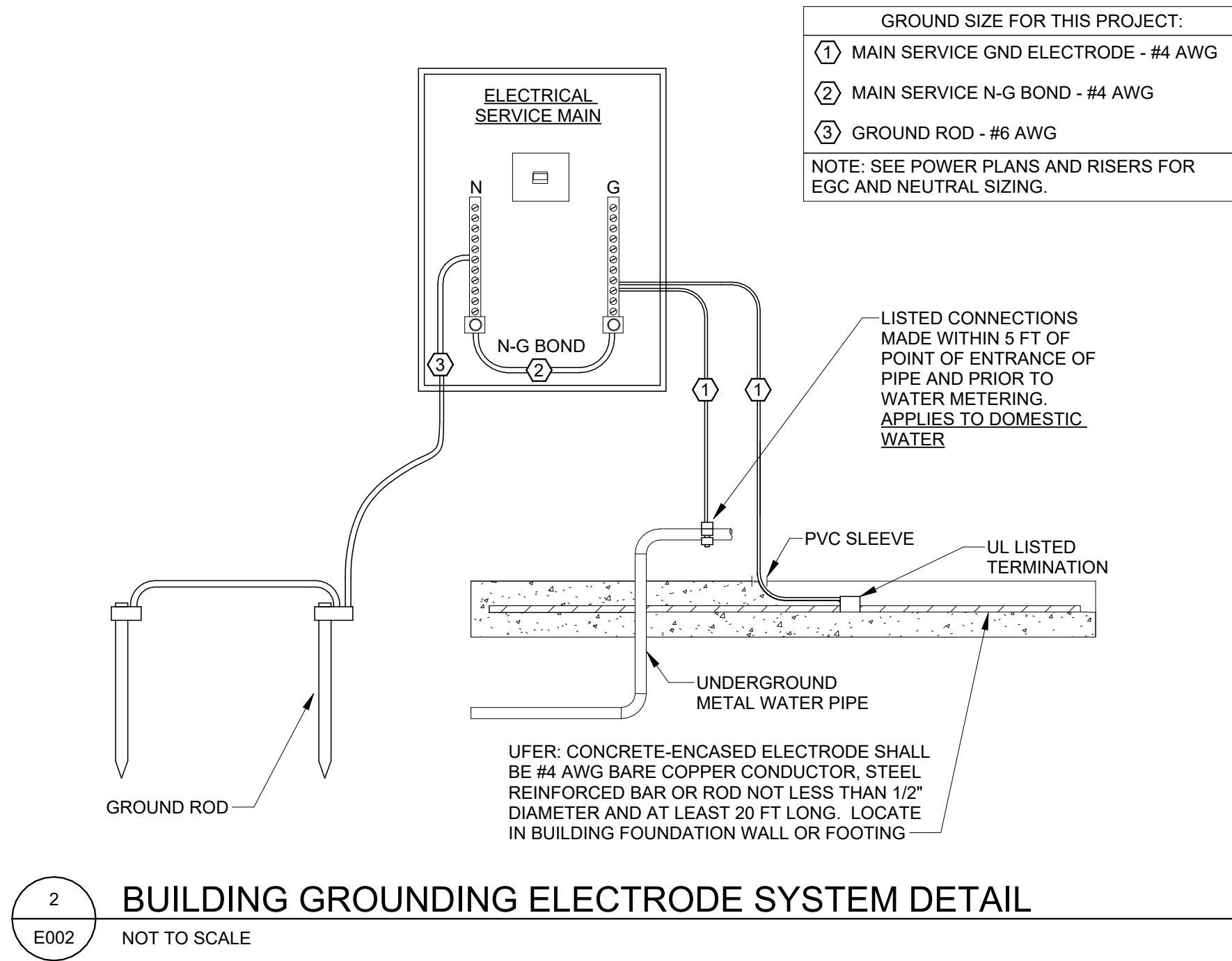


GENERAL NOTES

- A. COMPLY WITH LATEST ADOPTED NEC AND APPLICABLE CODES/STANDARDS.
B. SHARED NEUTRALS ARE NOT ALLOWED FOR SINGLE PHASE BRANCH CIRCUITS.

KEYNOTES

1. UTILITY PROVIDED TRANSFORMER. COORDINATE CONCRETE PAD REQUIREMENTS WITH UTILITY. SEE POWER ONE LINE DIAGRAM (1/E001) FOR ADDITIONAL INFORMATION.
2. PROVIDE COMBINATION NEMA 3R METERSOCKET AND MAIN DISCONNECT IN CONFORMANCE WITH UTILITY COMPANY REQUIREMENTS. SEE ONE-LINE DIAGRAM (1/E001) FOR ADDITIONAL INFORMATION.
3. SECONDARY FEEDER BY EC. SEE ONE-LINE DIAGRAM (1/E001) FOR CONDUIT AND FEEDER SIZING. COORDINATE TRENCHING DEPTH WITH GC.



2 BUILDING GROUNDING ELECTRODE SYSTEM DETAIL
E002 NOT TO SCALE



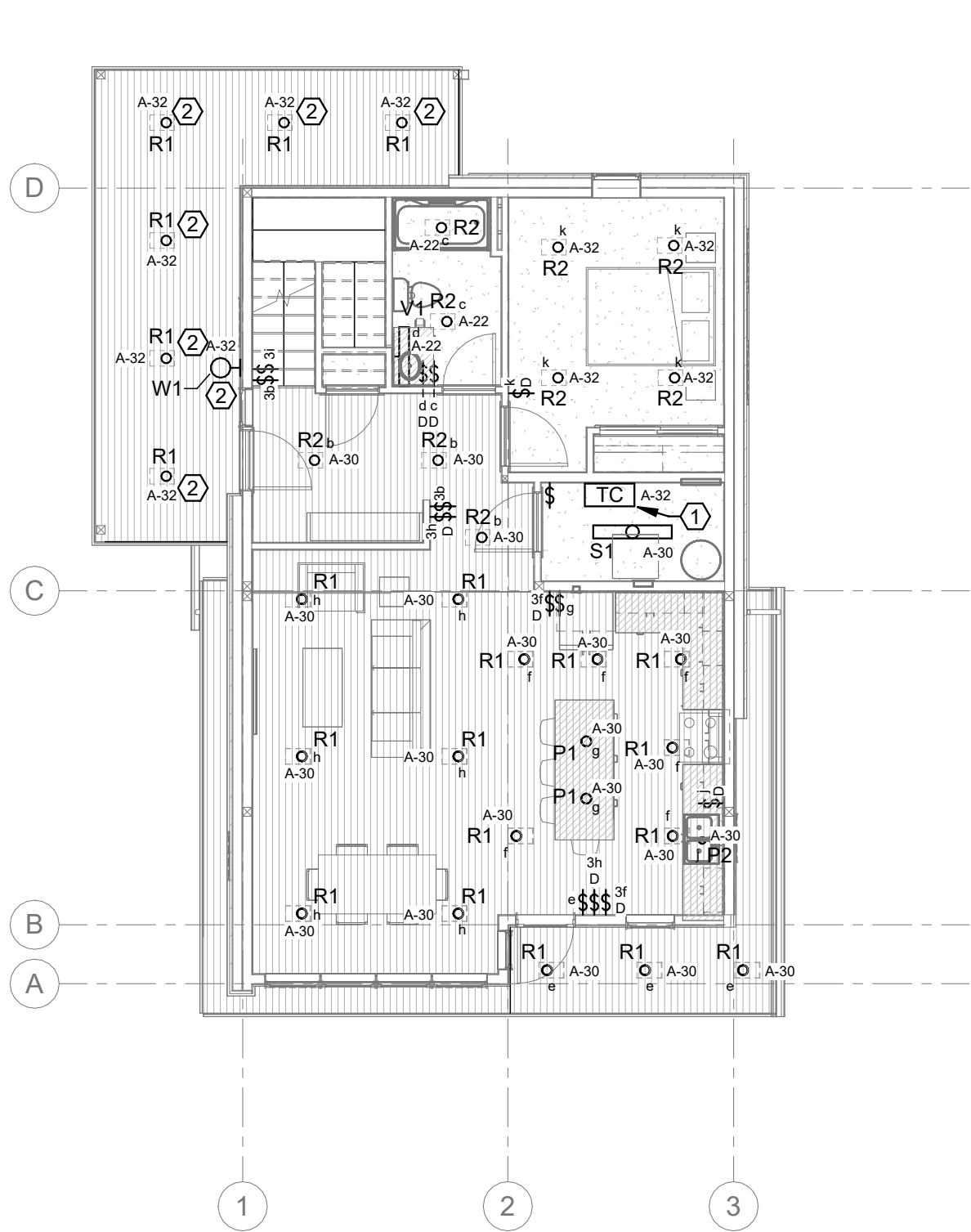
1 ELECTRICAL SITE PLAN
E002 1/32" = 1'-0"

GENERAL NOTES

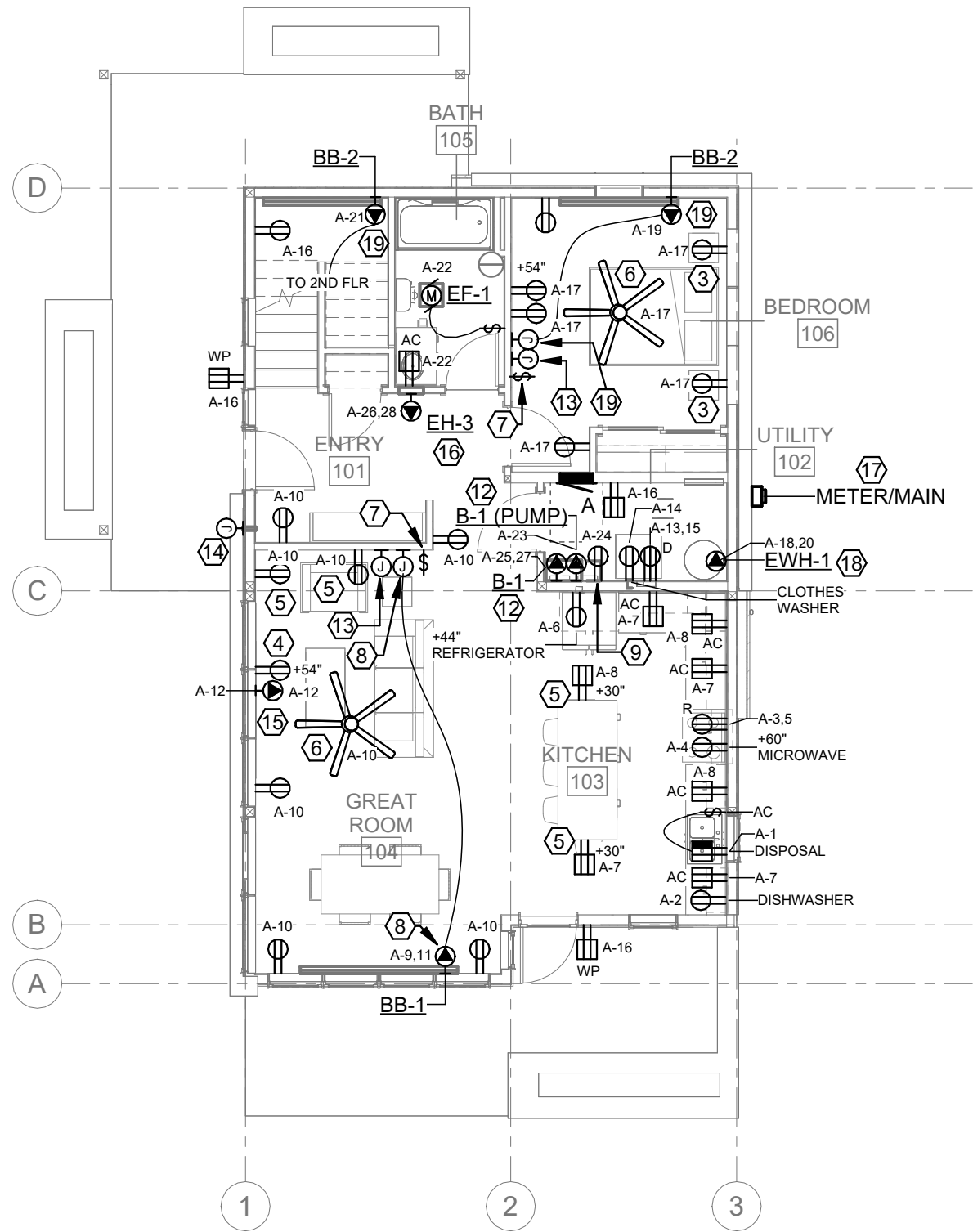
- A. COMPLY WITH LATEST ADOPTED NEC AND APPLICABLE CODES/STANDARDS.
- B. SHARED NEUTRALS ARE NOT ALLOWED FOR SINGLE PHASE BRANCH CIRCUITS.
- C. ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE: ELECTRICAL CONTRACTOR SHALL COORDINATE ALL ELECTRICAL EQUIPMENT AND DEVICE LOCATIONS WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DIVISIONS PRIOR TO ROUGH-IN. REFER TO AND COORDINATE WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL WORK THAT IS REQUIRED BY THE ELECTRICAL CONTRACTOR.
- D. ALL CONDUIT AND JUNCTION BOXES IN FINISHED AREAS ARE TO BE CONCEALED IN WALLS, FUR OUTS, AND CEILINGS. ANY USE OF SURFACE MOUNTED RACEWAY IN FINISHED AREAS MUST BE APPROVED BY THE ARCHITECT. WHERE APPROVED, UTILIZE WIREMOLD OR APPROVED EQUAL SURFACE MOUNTED RACEWAYS PAINTED TO MATCH SURROUNDING WALLS.
- E. WHERE LIGHTING CIRCUITS ARE INDICATED FOR AUTOMATIC CONTROL BY RELAY PANEL, ROUTE SEPARATE CONDUCTOR DIRECTLY TO RESPECTIVE CIRCUIT BREAKER TO PROVIDE UNSWITCHED CIRCUIT FOR CONNECTION TO EMERGENCY BALLASTS/BATTERY PACKS. REFER TO ARCHITECTURAL ELEVATIONS FOR OUTLET HEIGHTS WHERE THE SPECIFIC OUTLET HEIGHT IS NOT INDICATED ON THIS SHEET. REFER TO THE ELECTRICAL LEGEND FOR THE DEFAULT OUTLET HEIGHT WHEN NOT INDICATED ON ELEVATIONS OR ON THIS SHEET.
- F. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL ELECTRICAL EQUIPMENT AND DEVICE LOCATIONS WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DIVISIONS PRIOR TO ROUGH-IN. REFER TO AND COORDINATE WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL WORK THAT IS REQUIRED BY THE CONTRACTOR.
- G. ALL 15 AND 20A, 120V NON-LOCKING TYPE RECEPTACLES IN RESIDENTIAL AREAS SHALL BE LISTED 'TAMPER-RESISTANT' RECEPTACLES.
- H. WHERE NEW DEVICES ARE SHOWN FOR INSTALLATION ON EXISTING WALLS, ELECTRICAL CONTRACTOR IS RESPONSIBLE TO COORDINATE CUTTING, PATCHING, AND REPAIR OF EXISTING WALL WITH OTHER TRADES AS REQUIRED TO PROVIDE FLUSH MOUNTED INSTALLATION.
- I. ALL MULTI-WIRE BRANCH CIRCUITS SHALL BE PROVIDED WITH SEPARATE NEUTRAL CONDUCTORS. LABEL NEUTRAL CONDUCTORS WITH RESPECTIVE CIRCUIT AT ALL PULL BOXES, JUNCTION BOXES, TERMINATIONS, ETC.

KEYNOTES

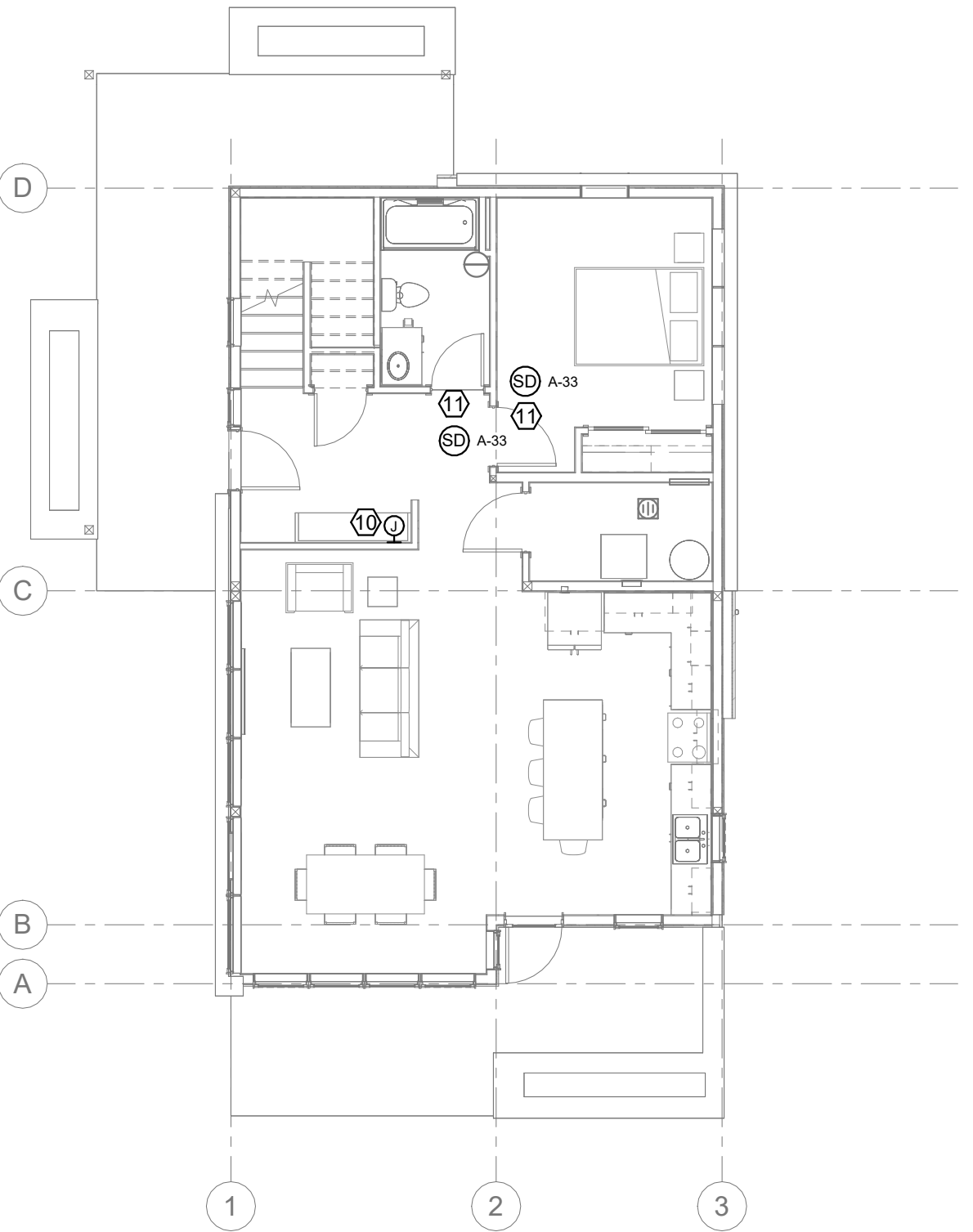
- PROVIDE 24 HOUR ELECTRONIC SINGLE CIRCUIT TIME CLOCK (INTERMATIC MODEL #ET1105C OR EQUAL) FOR CONTROL OF EXTERIOR SCONCE AND ENTRY CAN LIGHTING. INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. COORDINATE PROGRAMMING ON/OFF TIMES WITH OWNER.
- ROUTE HOMERUN CIRCUIT THROUGH ASTRONOMICAL TIME CLOCK IN UTILITY ROOM.
- PROVIDE BLACK TAMPER PROOF RECEPTACLE AND FACEPLATE. RECEPTACLE SHALL BE COMBO RECEPTACLE WITH 30W USB/A/C TYPE CHARGING PORTS (LEVITON MODEL# T5G33-E OR EQUAL).
- PROVIDE BLACK TAMPER PROOF RECEPTACLE AND FACEPLATE.
- PROVIDE COMBO TYPE TAMPER PROOF RECEPTACLE WITH 30W USB/A/C TYPE CHARGING PORTS (LEVITON MODEL# T5G33-E OR EQUAL).
- PROVIDE CEILING FAN (KICHLER MODEL #330130S8K) WITH INCLUDED WALL CONTROL. INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- INSTALL CEILING FAN CONTROL SWITCH FURNISHED WITH CEILING FAN. INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- PROVIDE CONNECTION TO 240V BASEBOARD HEATER PROVIDED BY MC. PROVIDE WIRING AND CONNECTION OF LINE VOLTAGE THERMOSTAT FURNISHED BY MC FROM BASEBOARD UNIT THIS ROOM. INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- COORDINATE EXACT LOCATION OF RECEPTACLE FOR GLYCOL FEEDER WITH MC.
- PROVIDE 4" SQUARE JUNCTION BOX, MUDRING AND 1" EMPTY CONDUIT ROUTED UNDERGROUND TOWARDS THE ACCESS ROAD ON THE PROPERTY. STUB AND MARK THE CONDUIT TO 5' - 0" OUTSIDE OF THE BUILDING FOUNDATION FOR FUTURE INTERNET PROVIDER CABLEING AND TERMINATION.
- PROVIDE LINE-VOLTAGE INTERCONNECTING TYPE SMOKE DETECTOR WITH BATTERY BACKUP (KIDDE MODEL# SM300-AC OR EQUAL). INSTALL PER NFPA 72 REQUIREMENTS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS. SMOKE DETECTORS SHALL INTERCONNECT SUCH THAT IF ONE ALARMS, ALL ALARM.
- PROVIDE CONNECTION TO MECHANICAL EQUIPMENT: ELECTRIC BOILER (B-1) AND ELECTRIC BOLER (PUMP) (B-1 (PUMP)) FURNISHED WITH INTEGRAL DISCONNECTING MEANS. COORDINATE ELECTRICAL CONNECTION WITH MC PRIOR TO ROUGH-IN.
- PROVIDE JUNCTION BOX FOR LOW-VOLTAGE CONTROL WIRING BY MC.
- PROVIDE RECESSED JUNCTION BOX WITH COVERPLATE FOR BOILER THERMOSTAT PROVIDED BY MC.
- PROVIDE ELECTRIC FIREPLACE (SIMPLIFIRE MODEL #SF-ALLS60) WITH. INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. COORDINATE WITH GC FOR EXACT LOCATION AND STRUCTURAL FRAMING FOR UNIT.
- PROVIDE CONNECTION TO ELECTRIC WALL HEATER WITH INTEGRAL DISCONNECT PROVIDED BY MC. COORDINATE EXACT LOCATION OF ELECTRIC WALL HEATER PRIOR TO ROUGH-IN.
- LOCATION OF COMBINATION METER/SERVICE DISCONNECT. SEE ONE-LINE DIAGRAM 1/E001 FOR ADDITIONAL INFORMATION.
- PROVIDE CONNECTION TO ELECTRIC WATER HEATER WH-1. COORDIANTE EXACT LOCATION OF UNIT PRIOR TO ROUGH-IN.
- PROVIDE CONNECTION TO 120V BASEBOARD HEATER PROVIDED BY MC. PROVIDE WIRING AND CONNECTION OF LINE VOLTAGE THERMOSTAT FURNISHED BY MC FROM BASEBOARD UNIT THIS ROOM. INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.



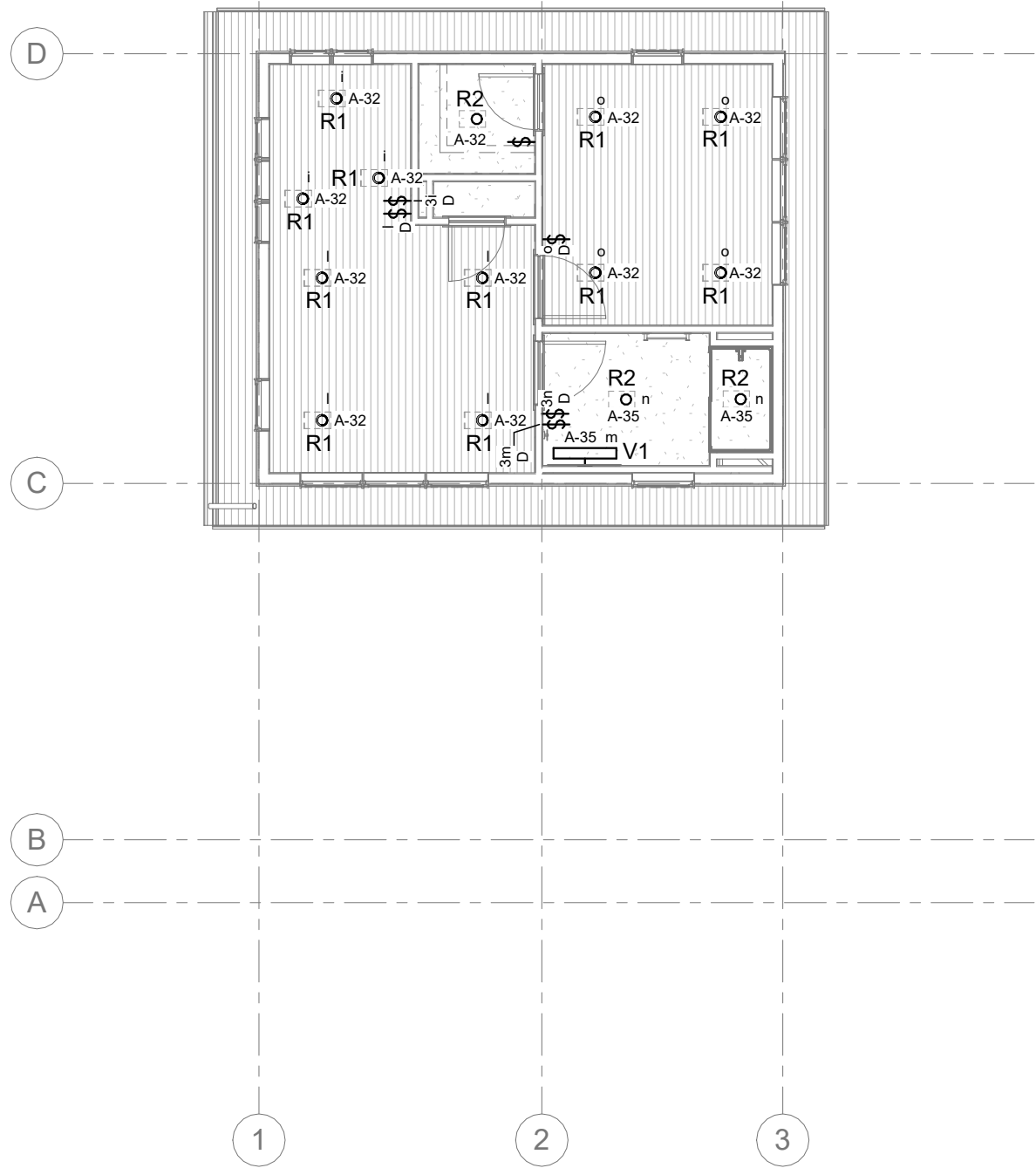
1 LIGHTING PLAN 1ST FLOOR
E100 1/8" = 1'-0"



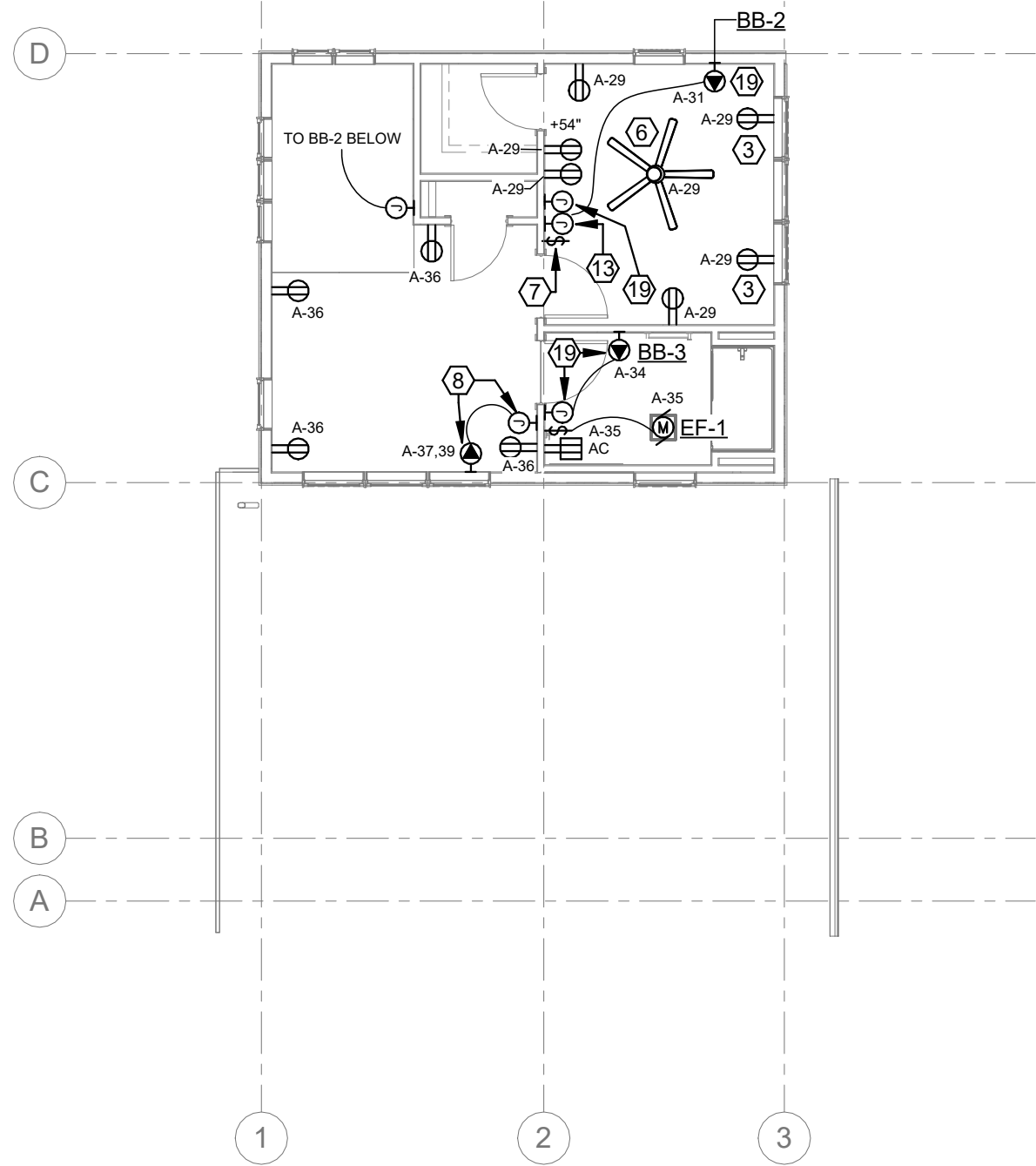
2 POWER PLAN 1ST FLOOR
E100 1/8" = 1'-0"



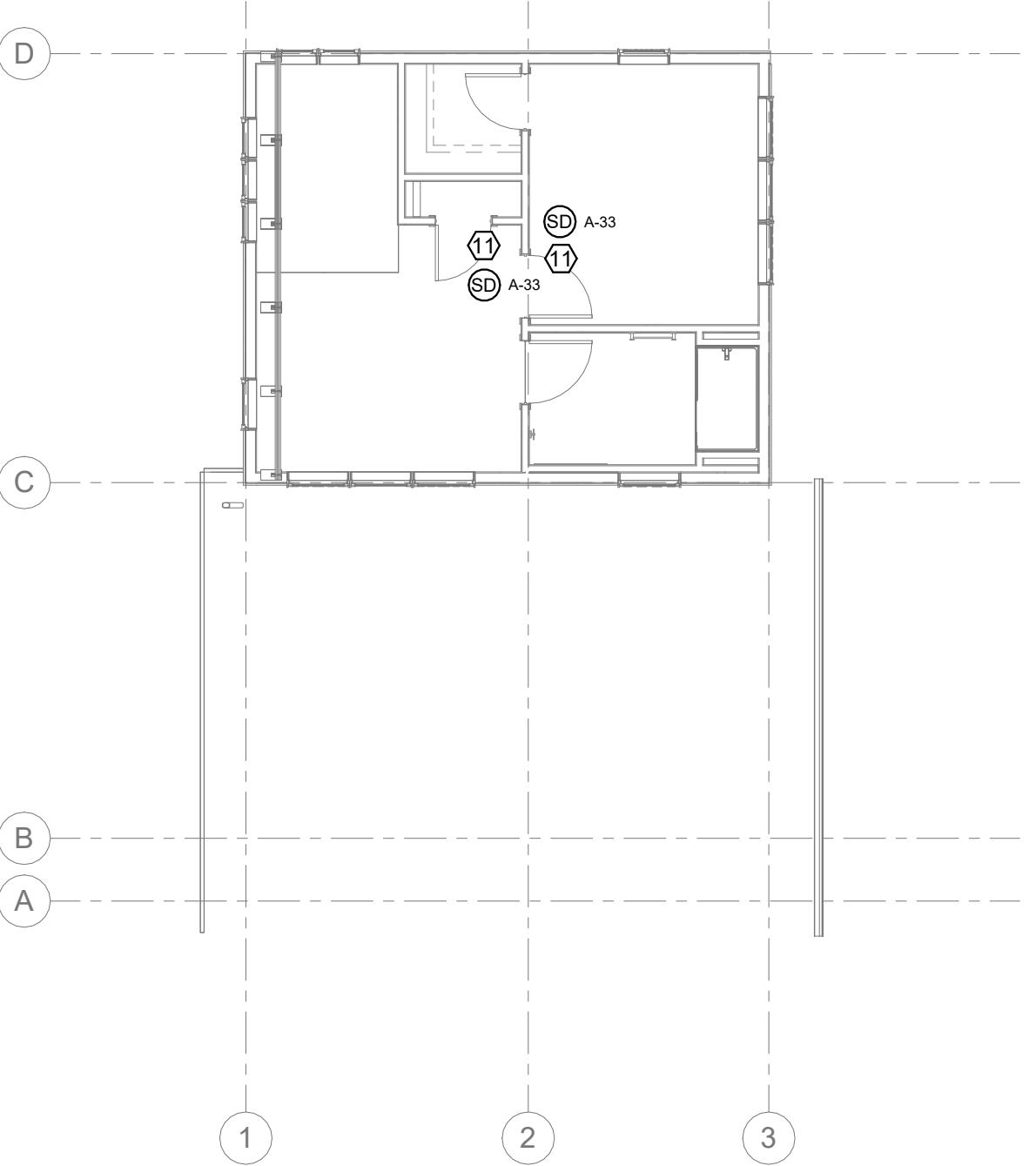
3 SPECIAL SYSTEMS PLAN 1ST FLOOR
E100 1/8" = 1'-0"



4 LIGHTING PLAN 2ND FLOOR
E100 1/8" = 1'-0"



5 POWER PLAN 2ND FLOOR
E100 1/8" = 1'-0"



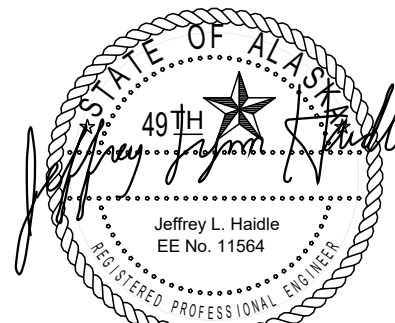
6 SPECIAL SYSTEMS PLAN 2ND FLOOR
E100 1/8" = 1'-0"

Cushing Terrell

cushingterrell.com
800.757.9522

SEARHC WORKFORCE HOUSING
1064 ZIMOVIA HIGHWAY, WRANGELL, AK 99929

SINGLE FAMILY TWO STORY (SHED ROOF)



© 2025 | ALL RIGHTS RESERVED

CONSTRUCTION DOCUMENTS

08.29.2025
PROJ# | SEARHC_WRNLGFH
DESIGNED BY | CLARK
DRAWN BY | CLARK
REVIEWED BY | HAIDE
REVISIONS

LIGHTING, POWER
AND SPECIAL
SYSTEMS PLANS

E100