

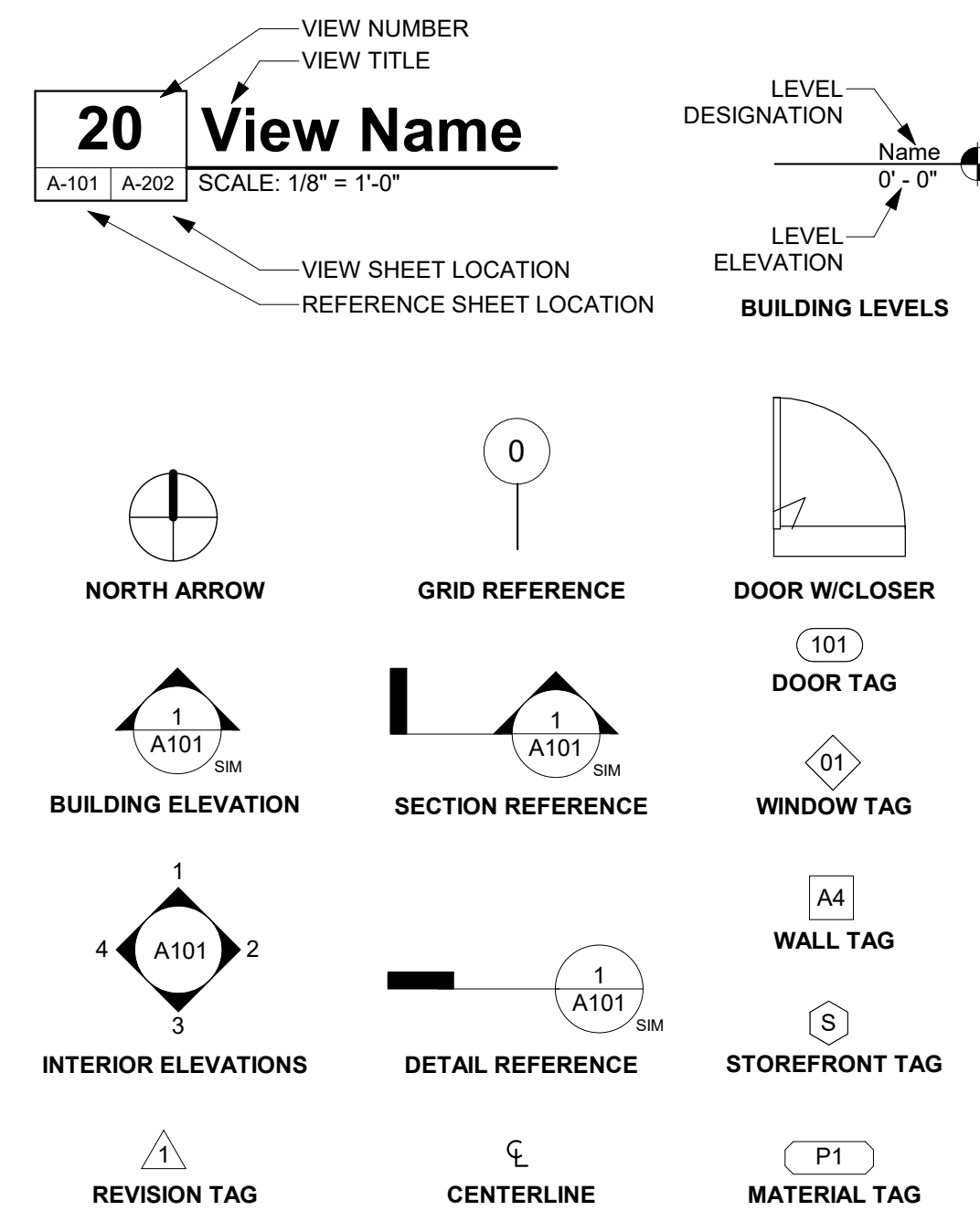




### ABBREVIATIONS

A/C	AIR CONDITIONING	FOIC	FURNISHED BY OWNER INSTALLED BY CONTRACTOR	PV	PHOTO VOLTAIC
ABV	ABOVE	FOM	FACE OF MASONRY	PVC	POLYVINYL CHLORIDE
ACOUS	ACOUSTICAL	FOS	FACE OF STUD	PVMT	PAVEMENT
ACT	ACOUSTICAL CEILING TILE	FRP	FIBERGLASS REINFORCED PANELS	QTY	QUANTITY
ADA	AMERICANS WITH DISABILITIES ACT	FT	FOOT OR FEET	R	RADIUS, RISER
AFCI	ARC FAULT CIRCUIT INTERRUPTER	FTG	FOOTING	RB	RUBBER BASE
AFF	ABOVE FINISH FLOOR	GA	GAUGE, GAGE	RCP	REFLECTED CEILING PLAN
AL	ALUMINUM	GALV	GALVANIZED	RD	ROOF DRAIN
ALT	ALTERNATE	GB	GRAB BAR	REF	REFRIGERATOR
ARCH	ARCHITECT(URAL)	GC	GENERAL CONTRACTOR	REINF	REINFORCED
BD	BOARD	GFCI	GROUND FAULT CIRCUIT INTERRUPTER	REQD	REQUIRED
BDRM	BEDROOM	GWB	GYPSON BOARD	RH	RIGHT HAND
BET	BETWEEN	GYP	GYPSON	RM	ROOM
BIT	BITUMINOUS	HB	HOSE BIBB	RO	ROUGH OPENING
BLDG	BUILDING	HC	HOLLOW CORE	RTU	ROOF TOP UNIT (MECH)
BLKG	BLOCKING	HDWD	HARDWOOD	S	SOUTH
BLW	BELOW	HDWR	HARDWARE	SAFB	SOUND ATTENUATION FIBER BATT
BM	BEAM	HST	HEIGHT	SAWP	SELF ADHEREING WATERPROOFING
BOT	BOTTOM	HM	HOLLOW METAL	SC	SCUPPER/SOLID CORE
BUR	BUILT UP ROOF	HORIZ	HORIZONTAL	SCHED	SCHEDULE
CB	CATCH BASIN	HVAC	HEATING, VENTILATION, A/C	SEAL	SEALANT
CBC	CALIFORNIA BUILDING CODE	ID	INSIDE DIAMETER	SECT	SECTION
CBC	CALIFORNIA BUILDING CODE	IIC	IMPACT INSULATION CLASS	SF	SQUARE FOOT
CEM	CEMENT	IN	INCH	SHT	SHEET
CFM	CUBIC FEET PER MINUTE	INCAND	INCANDESCENT	SHTG	SHEATHING
CIP	CAST IN PLACE	INSUL	INSULATION, INSULATED	SIM	SIMILAR
CJ	CONTROL JOINT	INT	INTERIOR	SM	SHEET METAL
CL	CENTER LINE	JC	JANITORS CLOSET	SPEC	SPECIFICATION
CLG	CEILING	JT	JOINT	SQ	SQUIRE
CLO	CLOSET	LAM	LAMINATE	SS	SOLID SURFACE
CLR	CLEAR	LAV	LAVATORY	SSTL	STAINLESS STEEL
CMU	CONCRETE MASONRY UNIT	LBS	POUNDS	STC	SOUND TRANSMISSION CLASS
CO	CLEAN OUT	LEED	LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN	STD	STANDARD
COL	COLUMN	LF	LINEAR FEET	STL	STEEL
CONC	CONCRETE	LIN	LINEN CLOSET	STOR	STORAGE
CONST	CONSTRUCTION	LINO	LINOLEUM	STRUCT	STRUCTURAL
CONT	CONTINUOUS	LT(G)	LIGHTING	SUSP	SUSPENDED
CONTR	CONTRACTOR	LVL	LAMINATED VENEER LUMBER	SV	SHEET VINYL
CPT	CARPET	LVT	LUXURY VINYL TILE	SYM	SYMMETRICAL
CT	CERAMIC TILE	LW	LIGHTWEIGHT	T	TREAD
CTR	CENTER	MAX	MAXIMUM	T&G	TONGUE & GROOVE
DBL	DOUBLE	MECH	MECHANICAL	TEL	TELEPHONE
DF	DRINKING FOUNTAIN	MDF	MEDIUM DENSITY FIBERBOARD	TEMP	TEMPERED
DIA	DIAMETER, DIAPHRAGM	MEMB	MEMBRANE	TER	TERRAZZO
DIM	DIMENSION	MEP	MECHANICAL, ELECTRICAL, PLUMBING	THK	THICK
DN	DOWN	MFR	MANUFACTURER	THR	THRESHOLD
DR	DOOR	MIN	MINIMUM	TJ	TRUSS JOIST I-JOIST
DS	DOWN SPOUT	MISC	MISCELLANEOUS	TO	TOP OF
DTL	DETAIL	MO	MASONRY OPENING	TOS	TOP OF SLAB
DW	DISHWASHER	MTD	MOUNTED	TOW	TOP OF WALL
DWG	DRAWING	MTL	METAL	TRANS	TRANSFORMER
(E)	EXISTING	N	NORTH	TV	TELEVISION
E	EAST	NIC	NOT IN CONTRACT	TYP	TYPICAL
EA	EACH	NO	NUMBER	UFAS	UNIFORM FEDERAL ACCESSIBILITY STANDARDS
EJ	EXPANSION JOINT	NOM	NOMINAL	UG	UNDERGROUND
EL	ELEVATION	NTS	NOT TO SCALE	UNFIN	UNFINISHED
ELEV	ELEVATION	O.P.	OVERFLOW PIPE	UNO	UNLNESS NOTED OTHERWISE
ELEC	ELECTRIC	OC	ON CENTER	UV	ULTRAVIOLET
ENCL	ENCLOSURE	OD	OVERFLOW DRAIN	VCT	VINYL COMPOSITION TILE
EQ	EQUAL	OFF	OFFICE	VERT	VERTICAL
EQUIP	EQUIPMENT	OH	OPPOSITE HAND	VIF	VERIFY IN FIELD
EXH	EXHAUST	OPG	OPENING	VTR	VENT TERMINATION PIPE
EXP	EXPANSION	OPP	OPPOSITE	VWC	VINYL WALL COVERING
EXT	EXTERIOR	(P)	PROPOSED	W	WEST
FACP	FIRE ALARM CONTROL PANEL	PERM	PERIMETER	W/	WITH
FAU	FORCED AIR UNIT	PERP	PERPENDICULAR	W/D	WASHER DRYER
FAWP	FLUID APPLIED WATERPROOFING	PG	PAINT GRADE	W/O	WITHOUT
FD	FLOOR DRAIN	PL	PLATE, PROPERTY LINE	WC	WATERCLOSET
FDC	FIRE DEPARTMENT CONNECTION	PLAM	PLASTIC LAMINATE	WD	WOOD
FE	FIRE EXTINGUISHER	PLBG	PLUMBING	WDW	WINDOW
FEC	FIRE EXTINGUISHER CABINET	PLYWD	PLYWOOD	WH	WATER HEATER
FF	FINISHED FLOOR ELEVATION	PNL	PANEL	WI	WROUGHT IRON
FG	FINISHED GRADE	PP	POWER POLE	WIN	WINDOW
FH	FIRE HYDRANT	PR	PAIR	WP	WATERPROOF(ING)
FHC	FIRE HOSE CABINET	PRTN	PARTITION	WR	WEATHER RESISTIVE
FIN	FINISH	PSF	POUNDS PER SQUARE FOOT	WRB	WATER RESISTIVE BARRIER
FIXT	FIXTURE	PSI	POUNDS PER SQUARE INCH	WSCT	WAINSCOT
FLR	FLOOR	PSL	PARALLEL STRAND LUMBER	WT	WEIGHT
FLUOR	FLOURESCENT	PT	PRESSURE TREATED	WWF	WELDED WIRE FABRIC
FND	FOUNDATION	PTD	PAINTED	YD	YARD
FO	FACE OF				
FOC	FACE OF CONCRETE				
FOF	FACE OF FINISH				

### SYMBOLS



CONSULTANT

AGENCY

**MONO COUNTY ADU  
 PROTOTYPES**  
 MONO COUNTY  
**ABBREVIATIONS AND SYMBOLS**

NO.	REVISION	DATE

PROJECT MANAGER  
 RR  
 DRAWN BY \_\_\_\_\_ CHECKED BY \_\_\_\_\_  
 DATE  
 6/30/2022  
 PROJECT NUMBER  
 2340-01-CU21  
 SHEET

G-102







TECHNICAL BULLETIN

ALL O'HAGIN'S ATTIC VENTILATION PRODUCTS ARE IN FULL COMPLIANCE WITH THE 2019 CBC WILDLAND-URBAN INTERFACE (WUI) CHAPTER 7A

This Technical Bulletin is set forth to advise Architects, Builders, Contractors, and all state/local officials that all O'Hagin's Attic Ventilation Products comply with the 2019 California Building Code, Chapter 7A Materials and Construction Methods for Exterior Wildfire Exposure, Section - 706A Vents when fitted with 1/8-inch wire mesh.

BACKGROUND:

Effective January 1, 2017, all new buildings located in any Fire Hazard Severity (State), Very-High Fire Hazard Severity Zone (Local), or Wildland-Urban Interface Fire Area shall comply with all sections of 2019 CBC, Chapter 7A, which states, in pertinent part, as follows:

"706A2. Requirements. Ventilation openings for enclosed attics, enclosed eave soffit spaces, enclosed rafter spaces formed where ceilings are applied directly to the underside of the roof rafters, and underfloor ventilation openings shall be fully covered with metal wire mesh, vents, other materials or other devices that meet the following requirements:

- 1. Vents shall be listed to ASTM E2886 and comply with all of the following:
1.1. There shall be no flaming ignition of the cotton material during the Ember Intrusion Test.
1.2. There shall be no flaming ignition during the Integrity Test portion of the Flame Intrusion Test.
1.3. The maximum temperature of the unexposed side of the vent shall not exceed 662°F (350°C).
2. Vents shall comply with all of the following:
2.1. The dimensions of the openings therein shall be a minimum of 1/16-inch (1.6 mm) and shall not exceed 1/8-inch (3.2 mm).
2.2. The materials used shall be noncombustible.

Exception: Vents located under the roof covering, along the ridge of roofs, with the exposed surface of the vent covered by noncombustible wire mesh, may be of combustible materials.

(2019 California Building Code, California Code of Regulations, Title 24, Part 2, Volume 1 of 2, Section 706A.2, p.299)

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O'Hagin's FIRE & ICE® Tapered Low-Profile Vents for Slate, Shake and Composition Roofs:

Tapered Low-Profile 72" NFVA: 72 sq. in. per vent

- All O'Hagin's FIRE & ICE® attic ventilation products are available with corrosion-resistant, non-combustible 1/8-inch (3.2 mm) mesh upon request.
For those O'Hagin's attic ventilation products that use 1/8-inch wire mesh, the Net Free Ventilation Area (NFVA) of those products, as calculated by an independent third-party, is reduced by 10 percent. As such, the NFVA of those products is, as follows:

O'Hagin's Attic Vents for Clay and Concrete Tile:

All Model Flat (Low-Profile) with 1/8-inch mesh NFVA: 88.875 sq. in. per vent
All Model "M" (Medium-Profile) with 1/8-inch mesh NFVA: 77.625 sq. in. per vent
All Model "S" (High-Profile) with 1/8-inch mesh NFVA: 87.75 sq. in. per vent

O'Hagin Mfg.'s Tapered Low-Profile Vents for Slate Shake and Composition Roofs:

Tapered Low-Profile 72" with 1/8-inch mesh NFVA: 64.80 sq. in. per vent

- All O'Hagin's FIRE & ICE® and O'Hagin's standard attic ventilation products carry a Class 'A' fire rating in accordance with the test standard ANSI/UL 790, "Tests for Fire Resistance of Roof covering Materials," (ASTM E-108 and NFPA 256).
All O'Hagin's FIRE & ICE® and O'Hagin's standard attic vents for clay and concrete tile feature our patented two-piece design that utilizes two or more separate sections of the non-combustible wire mesh (or, flame and ember-resistant material in O'Hagin's FIRE & ICE® attic ventilation products), which provides additional resistance regarding the intrusion of flame and embers into the attic area of the structure.

TESTING STANDARDS INFORMATION:

Currently, there is no test for resistance of ember and flame intrusion for ridge, or off-ridge, attic vents that is recognized by the American Society for Testing and Materials (ASTM) or the California Department of Forestry and Fire Protection (Cal Fire). However, there is a proposed test standard for such vents currently under consideration, at the sub-committee level, with ASTM.

IMPLEMENTATION:

Check: http://www.fire.ca.gov/fire\_prevention/fire\_prevention\_wildland\_zones.php or, call O'Hagin's Architectural Services Team at (877) 324-0444 to determine whether, or not, your specific project is within an effected zone or region.

OTHER FACTORS:

There remain many factors in addition to the specification of O'Hagin's attic ventilation products that should be considered when designing to minimize risk due to wildfire danger, including, but not limited to, the following: the use of appropriate construction materials for exterior walls, non-combustible valley flashings/gutters/downspouts, tempered windows (window walls and skylights), debris-resistant gutters, Class A roof coverings, non-combustible exterior doors, no under-eave or soffit venting, fire-resistant landscaping and appropriate vegetation setbacks. Always check local ordinance and building practice.

Effective: January 1, 2011

Rev. October, 2017

Rev. January 1, 2020

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With regard to attic ventilation products that utilize wire mesh in either 1/8-inch or 1/16-inch dimensions, the ICC-ES, Acceptance Criteria for Attic Vents, AC132, effective March 1, 2010, states, in pertinent part, as follows:

"3.0 TEST AND PERFORMANCE REQUIREMENTS

3.1 Ventilation openings in the attic shall be protected by mesh, by a vent incorporating an opening cover other than mesh, or by a fibrous-mesh-type vent as defined in Section 1.4.1, 1.4.2 or 1.4.3. The attic vent shall be corrosion-resistant and shall prevent the entry of vermin into the attic.

3.2 Net Free Ventilation Area (NFVA): NFVA shall be determined in accordance with Section 4.1. Openings shall be covered with mesh, except as noted in Sections 3.2.1 and 3.2.2.

3.2.1 2009 IBC and 2009 IRC: For vents incorporating a corrosion-resistant metal mesh with mesh openings having a least dimension of 1/16 inch (1.6 mm) minimum and 1/4 inch (6.4 mm) maximum in one dimension, the ventilation area reported in the evaluation report shall be the NFVA determined in accordance with Section 4.1, reduced by 10 percent to address the effects of clogging.

3.2.2 2006 IBC and 2006 IRC: For vents incorporating a corrosion-resistant metal mesh with mesh openings less than 1/4 inch (6.4 mm) but no less than 1/8 inch (3.2 mm) in one dimension, the ventilation area reported in the evaluation report shall be the NFVA determined in accordance with Section 4.1, reduced by 10 percent to address the effects of clogging."

(Acceptance Criteria For Attic Vents, AC132, effective March 1, 2010, ICC-ES)

COMPLIANCE ISSUES:

Generally, the California Building Code serves as a minimum requirement for best building practices. As such, please contact your local building authority to see what requirements there are for that specific jurisdiction. For example, some may allow O'Hagin's attic vents with 1/8-inch wire mesh. For attic vents using 1/8-inch wire mesh, the NFVA rating of that vent, per AC132, above, is reduced by 10 percent. However, some jurisdictions may have other requirements including the use of O'Hagin's FIRE & ICE® attic ventilation products. In any event, as explained more fully below, O'Hagin's attic ventilation products can help meet the requirements of most jurisdictions.

O'HAGIN'S VENTILATION PRODUCTS ARE IN FULL COMPLIANCE WITH THE 2019 CBC, CHAPTER 7A:

- All O'Hagin's FIRE & ICE® attic ventilation products were accepted for use by the Office of the State Fire Marshal (OSFM) for plan and construction review projects under OSFM jurisdiction under the OSFM's prior program. (CBC Ch7A Compliance Policy 809-06, Effective 07-05-09).
Many local jurisdictions have approved for use all O'Hagin's FIRE & ICE® attic ventilation products.
All O'Hagin's FIRE & ICE® attic ventilation products may be protected by corrosion-resistant 23-27 gauge galvanized or stainless steel non-combustible wire mesh with 1/4-inch (6 mm) openings.
For O'Hagin's FIRE & ICE® attic ventilation products with 1/4-inch wire mesh, the Net Free Ventilation Area (NFVA) of those products, as calculated by an independent third-party, are, as follows:

O'Hagin's FIRE & ICE® Attic Vents for Clay and Concrete Tile:

All Model Flat (Low-Profile) NFVA: 98.75 sq. in. per vent
All Model "M" (Medium-Profile) NFVA: 86.25 sq. in. per vent
All Model "S" (High-Profile) NFVA: 97.50 sq. in. per vent

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MONO COUNTY ADU
PROTOTYPES
MONO COUNTY
WILDLAND URBAN INTERFACE
PRODUCTS

Table with 3 columns: NO., REVISION, DATE. Contains 5 rows of empty revision entries.

PROJECT MANAGER: RR
DRAWN BY: CHECKED BY:
DATE: 6/30/2022
PROJECT NUMBER: 2340-01-CU21
SHEET: G-203







CERTIFICATE OF COMPLIANCE

Project Name: Mono County ADU (Plan 5)  
Calculation Description: Title 24 Analysis

Calculation Date/Time: 2022-08-04T09:57:45-07:00  
Input File Name: Mono County ADU (Plan 5).ribd19x

CF1R-PRF-01E

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Table with 12 columns (01-12) containing project details: Project Name, Run Title, Project Location, City, Zip code, Climate Zone, Building Type, Project Scope, Addition Cond. Floor Area, Existing Cond. Floor Area, Total Cond. Floor Area, ADU Bedroom Count, Is Natural Gas Available.

Table with 2 columns (01, 02) containing compliance results: Building Complies with Computer Performance, This building incorporates features that require field testing and/or verification by a certified HERS rater under the supervision of a CEC-approved HERS provider.

Registration Number: 222-PO10154881A-000-000-0000000-0000  
Registration Date/Time: 2022-08-05 09:51:33  
HERS Provider: CalCERTS, Inc.  
CA Building Energy Efficiency Standards - 2019 Residential Compliance  
Report Version: 2019.2.000  
Report Generated: 2022-08-04 09:58:06  
Schema Version: rev 20200901

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Table with 12 columns (01-12) containing required PV system details: DC System Size, Exception, Module Type, Array Type, Power Electronics, CF1, Azimuth, Tilt, Array Angle, Tilt: (x in 12), Inverter Eff, Annual Solar Access.

Table with 12 columns (01-12) containing required special features: DC System Size, Exception, Module Type, Array Type, Power Electronics, CF1, Azimuth, Tilt, Array Angle, Tilt: (x in 12), Inverter Eff, Annual Solar Access.

HERS FEATURE SUMMARY  
The following is a summary of the features that must be field-verified by a certified HERS Rater as a condition for meeting the modeled energy performance for this computer analysis. Additional detail is provided in the building tables below. Registered CFRs and CFRs are required to be completed in the HERS Registry.

- Building-level Verifications: Indoor air quality ventilation, Kitchen range hood, Cooling System Verifications, Verified Refrigerant Charge, Airflow in habitable rooms (SC3.1.4.1.7), Heating System Verifications, Verified heat pump rated heating capacity, Wall-mounted thermostat in zones greater than 150 ft2 (SC3.4.5), Ductless indoor units located entirely in conditioned space (SC3.1.4.1.B), HVAC Distribution System Verifications.

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Table with 8 columns (01-08) containing opaque surface construction details: Construction Name, Surface Type, Construction Type, Framing, Total Cavity R-value, Interior/Exterior Continuous R-value, U-factor, Assembly Layers.

Table with 4 columns (01-04) containing building envelope details: Quality Insulation Installation (QII), High R-value Spray Foam Insulation, Building Envelope Air Leakage, CFM50.

Table with 7 columns (01-07) containing water heating systems details: Name, System Type, Distribution Type, Water Heater Name (#), Solar Heating System, Compact Distribution, HERS Verification.

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Table with 4 columns (01-04) containing energy design ratings: Energy Design Ratings, Efficiency (EDR), Total (EDR), Proposed Designs, North Facing, East Facing, South Facing, West Facing.

RESULT: **3 COMPLIES**  
Efficiency EDR includes improvements to the building envelope and more efficient equipment.  
Total EDR includes efficiency and demand response measures such as photovoltaic (PV) systems and batteries.  
Building complies when efficiency and total compliance margins are greater than or equal to zero.  
Standard Design PV Capacity: 2.01 kWdc  
Proposed PV Capacity Scaling: North (2.01 kWdc) East (2.01 kWdc) South (2.01 kWdc) West (2.01 kWdc)

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Table with 7 columns (01-07) containing building features information: Project Name, Conditioned Floor Area, Number of Dwelling Units, Number of Bedrooms, Number of Zones, Number of Ventilation Cooling Systems, Number of Water Heating Systems.

Table with 7 columns (01-07) containing zone information: Zone Name, Zone Type, HVAC System Name, Zone Floor Area, Avg. Ceiling Height, Water Heating System 1, Water Heating System 2.

Table with 8 columns (01-08) containing opaque surfaces: Name, Zone, Construction, Azimuth, Orientation, Gross Area, Window and Door Area, Tilt.

Table with 8 columns (01-08) containing attic details: Name, Construction, Type, Roof Rise (x in 12), Roof Reflectance, Roof Emittance, Radiant Barrier, Cool Roof.

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Table with 12 columns (01-12) containing water heaters details: Name, Heating Element Type, Tank Type, # of Units, Tank Vol, Energy Factor or Efficiency, Input Rating or Pilot, Tank Insulation R-value, Standby Loss or Recovery Eff, 1st Hr. Rating or Flow Rate, NEEA Heat Pump Brand or Model, Tank Location or Ambient Condition.

Table with 8 columns (01-08) containing water heating - HERS verification: Name, Pipe Insulation, Parallel Piping, Compact Distribution, Compact Distribution Type, Recirculation Control, Central DHW Distribution, Shower Drain Water Heat Recovery.

Table with 11 columns (01-11) containing space conditioning systems: Name, System Type, Heating Unit Name, Cooling Unit Name, Fan Name, Distribution Name, Required Thermostat Type, Status, Verified Existing Condition, Heating Equipment Count, Cooling Equipment Count.

Table with 11 columns (01-11) containing HVAC - Heat Pumps: Name, System Type, Number of Units, Heating HSPF/COP, Cap 47, Cap 17, SEER, EER/CEER, Zonally Controlled, Compressor Type, HERS Verification.

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Table with 5 columns (01-05) containing energy use summary: Energy Use (kTDU/Hr-yr), Standard Design, Proposed Design, Compliance Margin, Percent Improvement. Includes categories like Space Heating, Space Cooling, IAQ Ventilation, Water Heating, Self Utilization Credit, North Facing Compliance Total, East Facing Compliance Total, South Facing Compliance Total, West Facing Compliance Total.

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Table with 14 columns (01-14) containing fenestration/glazing details: Name, Type, Surface, Orientation, Azimuth, Width, Height, Mult, Area, U-factor, U-factor Source, SHGC, SHGC Source, Exterior Shading.

Table with 4 columns (01-04) containing opaque doors: Name, Side of Building, Area, U-factor.

Table with 8 columns (01-08) containing slab floors: Name, Zone, Area, Perimeter, Edge Insul. R-value and Depth, Edge Insul. R-value and Depth, Carpeted Fraction, Heated.

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(Page 9 of 10)

Table with 9 columns (01-09) containing HVAC heat pumps - HERS verification: Name, Verified Airflow, Airflow Target, Verified EER, Verified SEER, Verified Refrigerant Charge, Verified HSPF, Verified Heating Cap 47, Verified Heating Cap 17.

Table with 10 columns (01-10) containing variable capacity heat pump compliance option - HERS verification: Name, Certified Low-Static VCHP System, Airflow to Habitable Rooms, Ductless Units in Conditioned Space, Wall Mount Thermostat, Air Filter Sizing Ramp, Pressure Drop Rating, Low Leakage Ducts in Conditioned Space, Minimum Airflow per RA3.3 and SC3.3.4.1, Certified non-continuous Fan, Indoor Fan not Running Continuously.

Table with 7 columns (01-07) containing IAQ (Indoor Air Quality) fans: Dwelling Unit, IAQ CFM, IAQ Waits/CFM, IAQ Fan Type, IAQ Recovery Effectiveness - SRE, IAQ Recovery Effectiveness - ASRE, HERS Verification.

Registration Number: 222-PO10154881A-000-000-0000000-0000  
Registration Date/Time: 2022-08-05 09:51:33  
HERS Provider: CalCERTS, Inc.  
CA Building Energy Efficiency Standards - 2019 Residential Compliance  
Report Version: 2019.2.000  
Report Generated: 2022-08-04 09:58:06  
Schema Version: rev 20200901



Serving San Luis Obispo and Santa Barbara Counties



**SITE PLAN GENERAL NOTES**

- REFER TO GENERAL NOTES SHEET G-101 FOR ADDITIONAL REQUIREMENTS
- REFER TO STRUCTURAL PLANS FOR FURTHER INFORMATION.
- CONTRACTOR TO REVIEW PLANS TO AVOID CONFLICTS WITH UTILITIES, I.E. METER LOCATIONS, ELECTRIC TRANSFORMER, BACKFLOW PREVENTERS, SEWER LINES AND ELECTRIC CONDUIT (POLE LIGHTING AT DRIVEWAY), ETC.
- CONTRACTOR TO VERIFY ALL CONDITIONS AND UTILITY LOCATIONS AND IS RESPONSIBLE FOR LOCATING UTILITIES NOT SHOWN ON THE DRAWINGS.
- CONTRACTOR TO AVOID DISTURBING OR DAMAGING EXISTING UTILITIES.
- CALL BEFORE YOU DIG OR CAUSE ANY GROUND DISTURBANCES.
- LIMIT CONSTRUCTION AREA TO THAT INDICATED ON THE PLANS. CONTRACTOR WILL BE RESPONSIBLE FOR DAMAGE TO AREAS OUTSIDE OF DESIGNATED CONSTRUCTION AREA.
- COORDINATE ELECTRICAL REQUIREMENTS WITH PG&E.
- FOR PROJECT INFORMATION DATA, SEE TITLE SHEET.
- ENCROACHMENT PERMIT IS REQ. FOR ANY WORK DONE WITHIN THE RIGHT OF WAYS.
- PER CRC R311.3 FLOORS OR LANDINGS AT EXTERIOR DOORS SHALL BE AT LEAST AS WIDE AS DOOR SERVED AND SHALL PROVIDE A LENGTH IN THE DIRECTION OF TRAVEL EQUAL TO 36 INCHES MINIMUM. SLOPE OF EXTERIOR LANDINGS SHALL NOT EXCEED 1/4" PER FOOT (2% SLOPE).

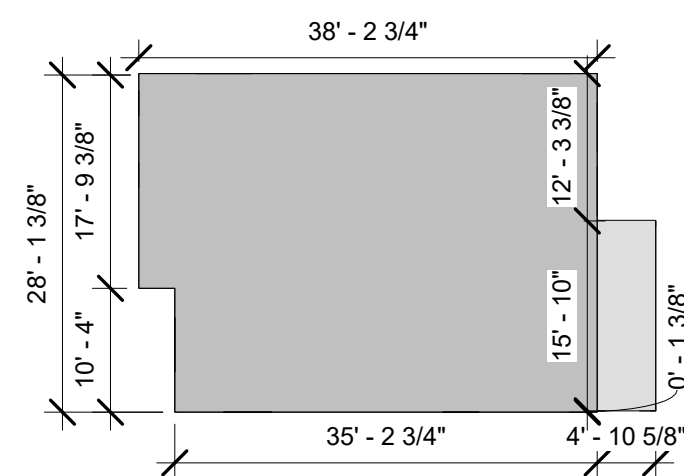
**SITE PLAN CHECKLIST**

- DRAWING SCALE**   
SITE PLAN SHOULD BE DRAWN TO A MEASURABLE SCALE.
- PROPERTY LINES**   
SHOW OUTLINE OF PROPERTY USING DASHED LINE IN LEGEND
- LABEL YARDS**   
LABEL FRONT, REAR, SIDE YARDS, AS WELL AS DRIVEWAYS, PATHWAYS AND ANY OTHER HARDSCAPE.
- SETBACKS**   
DIMENSION THE DISTANCE BETWEEN BUILDINGS AND PROPOERTY LINES, AS WELL AS BUILDINGS TO OTHER STRUCTURES. (SETBACKS TO PROPERTY LINE OR OTHER STRUCTURES SHALL BE 4' MINIMUM)
- EASEMENTS (IF APPLICABLE)**   
REFER TO LEGEND. MAY INCLUDE UTILITY R.O.W.
- LOCATION OF EXISTING UTILITIES**   
UTILITIES, POLES, SWERE DRAINS, ELECTRICAL, GAS METERS AND LINES AND ANY PHOTOVOLTATIC.
- LABEL STREETS & SIDEWALKS**
- LABEL ADU AND ADDRESS LOCATION**   
ADU WILL HAVE SAME ADDRESS AS THE PRIMARY RESIDENCE, AND THE LETTER SHALL BE VISIBLE FROM THE STREET.
- FOOTPRINT OF EXISTING BUILDING**   
THIS INCLUDES ALL STRUCUTRES/PORCHES/GAZEBOS
- FOOTPRINT OF PROPOSED ADU**   
REFER TO LEGEND FOR FOOTPRINT AT 10'=1" SCALE
- DIMENSION BUILDING SEPARATION**   
DIMENSION THE DISTANCE BETWEEN THE PROPOSED ADU AND ANY EXISTING STRUCTURES

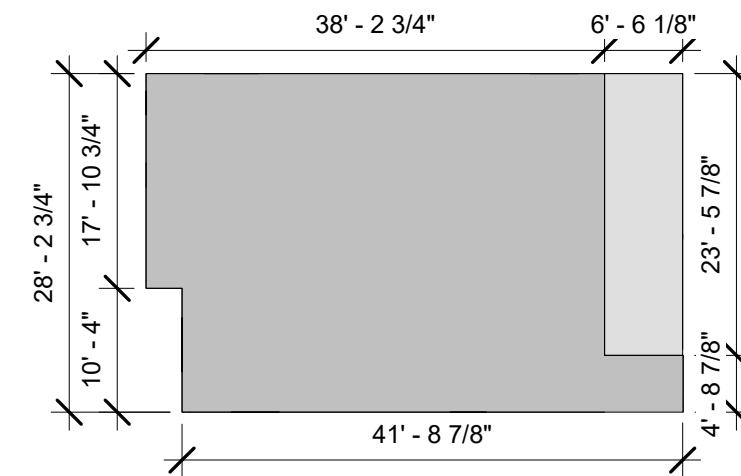
CONSULTANT

AGENCY

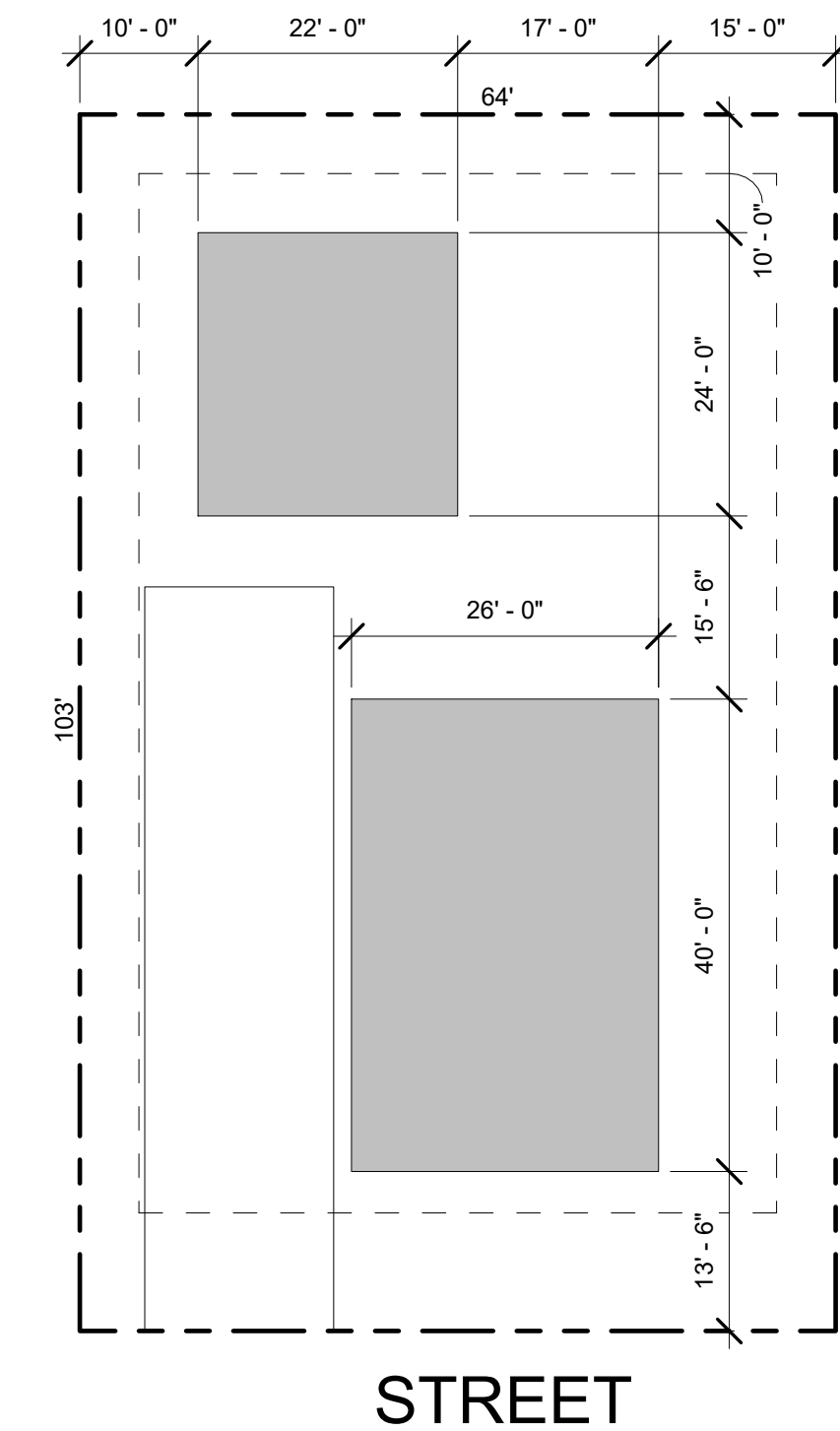
**SITE PLAN (TO BE PROVIDED BY APPLICANT)**



**3 PLAN 5 - HIGH DESERT**  
A1-201 | AS-105 | SCALE: 1/16" = 1'-0"



**2 PLAN 5 - RURAL MOUNTAIN**  
A1-201 | AS-105 | SCALE: 1/16" = 1'-0"



**1 EXAMPLE SITE PLAN**  
A1-201 | AS-105 | SCALE: 1/16" = 1'-0"

**SITE PLAN LEGEND**

- PROPERTY LINE
- SETBACK
- EASTMENT
- ACCESSIBLE PATH OF TRAVEL (SHALL BE 48" MIN. CBC 11B-403.5)
- CONCRETE PAVING
- LANDSCAPE AREA. REFER TO LANDSCAPE DRAWINGS.

**MONO COUNTY ADU  
PROTOTYPES  
MONO COUNTY  
ARCHITECTURAL SITE PLAN -  
PLAN 5**

NO.	REVISION	DATE

**PROJECT MANAGER**  
RR  
**DRAWN BY** \_\_\_\_\_ **CHECKED BY** \_\_\_\_\_  
**DATE**  
6/30/2022  
**PROJECT NUMBER**  
2340-01-CU21  
**SHEET**

**AS-105**

CONSULTANT

AGENCY

**MONO COUNTY ADU  
PROTOTYPES**  
MONO COUNTY  
FLOOR PLAN / DOOR WINDOW  
SCHEDULES

NO.	REVISION	DATE

PROJECT MANAGER  
RR  
DRAWN BY  
CHECKED BY  
DATE  
6/30/2022  
PROJECT NUMBER  
2340-01-CU21  
SHEET

**A5-101**

**FLOOR PLAN GENERAL NOTES**

- REFER TO GENERAL NOTES SHEET G-101 AND G-102 FOR ADDITIONAL REQUIREMENTS.
- REFER TO STRUCTURAL PLANS FOR FURTHER INFORMATION.
- REFER TO ELECTRICAL PLANS FOR FURTHER INFORMATION IF PROVIDED.
- REFER TO MECHANICAL PLANS, DRAWINGS OR REPORTS FOR FURTHER INFORMATION.
- ALL FURNITURE AND EQUIPMENT IS BY OWNER AND IS SHOWN FOR COORDINATION PURPOSES ONLY.
- DIMENSIONS ARE TO FACE OF FRAMING UNLESS SPECIFICALLY NOTED OTHERWISE.
- PROVIDE ADEQUATE BLOCKING IN WALLS FOR CABINETS AND OTHER WALL MOUNTED ACCESSORIES INCLUDING BUT NOT LIMITED TO HANDRAILS, SHELVING AND BATHROOM FIXTURES.
- PROVIDE FIREBLOCKING FOR WALL CAVITIES THAT EXCEED 2019 CBC HEIGHT LIMITATIONS.
- DOOR AND WINDOW DIMENSIONS ARE CENTERED AT OPENINGS.
- WHERE DOOR IS LOCATED WITHOUT DIMENSION AT THE CORNER OF A ROOM IT SHALL BE 4" FROM FACE OF FRAMING OF ADJACENT WALL TO ROUGH DOOR OPENING.
- WHERE RECESSED FIXTURES OCCUR IN WALLS OR HORIZONTAL ASSEMBLIES, THE FIRE RATING OF THOSE ASSEMBLIES SHALL BE MAINTAINED.
- AT ALL PENETRATIONS AND INTERSECTIONS OF FIRE-RATED PARTITIONS, PROVIDE FIRE SEALANT AND/OR FIRE STOPPING TO MAINTAIN CONTINUITY OF PARTITION RATING.

**LEGEND**

- EXTERIOR** - 5 1/2" WOOD STUD W/ PLYWOOD SHEATHING AND EXTERIOR FINISH (REFER TO ELEVATIONS), ONE LAYER 5/8" TYPE X GYPSUM WALL BOARD INTERIOR.
- INTERIOR** - 3 1/2" WOOD STUD W/ ONE LAYER 5/8" TYPE X GYPSUM WALL BOARD EACH SIDE.

**DOOR GENERAL NOTES**

- REFER TO GENERAL NOTES SHEET G-101 FOR ADDITIONAL REQUIREMENTS
- REFER TO PLANS FOR LOCATION OF DOORS
- VERIFY ROUGH OPENING SIZE WITH DOOR MANUFACTURER SPECIFICATIONS PRIOR TO CONSTRUCTION.
- CONTRACTOR TO VERIFY ACTUAL DOOR SIZE TO FIT FINISH OPENING PRIOR TO FABRICATION OF DOOR AND FINISH OPENING.
- INSTALL PER MANUFACTURERS WRITTEN INSTRUCTIONS.
- EXTERIOR DOORS SHALL EITHER HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN 20-MINUTES OR SHALL BE CONSTRUCTED OF SOLID CORE WOOD THAT COMPLIES WITH THE FOLLOWING REQUIREMENTS:
  - STILES AND RAILS SHALL NOT BE LESS THAN 1-3/8" THICK.
  - PANELS SHALL NOT BE LESS THAN 1-1/4" THICK, EXCEPT FOR THE EXTERIOR PERIMETER OF THE PANEL SHALL BE PERMITTED TO TAPER TO A TONGUE OF NOT LESS THAN 3/8" THICK.
- REFER TO DOOR TYPES LEGEND FOR GLAZING.
- REFER TO T24 REPORT FOR GLAZING ENERGY REQUIREMENTS.
- GLAZING IN DOORS SHALL BE TEMPERED PER SECTION R308.4.1.

**DOOR REMARKS**

- EXTERIOR DOOR. REFER TO GENERAL DOOR NOTE #6
- GLAZING PER DOOR TYPES. REFER TO GENERAL DOOR NOTE #9
- PROVIDE 100 SQ INCHES OF VENTING IN DOOR OR BY OTHER APPROVED MEANS.
- OPTIONAL DOOR.
- 3'-0" WIDTH DOOR FOR OPTIONAL ADAPTABLE BATH.

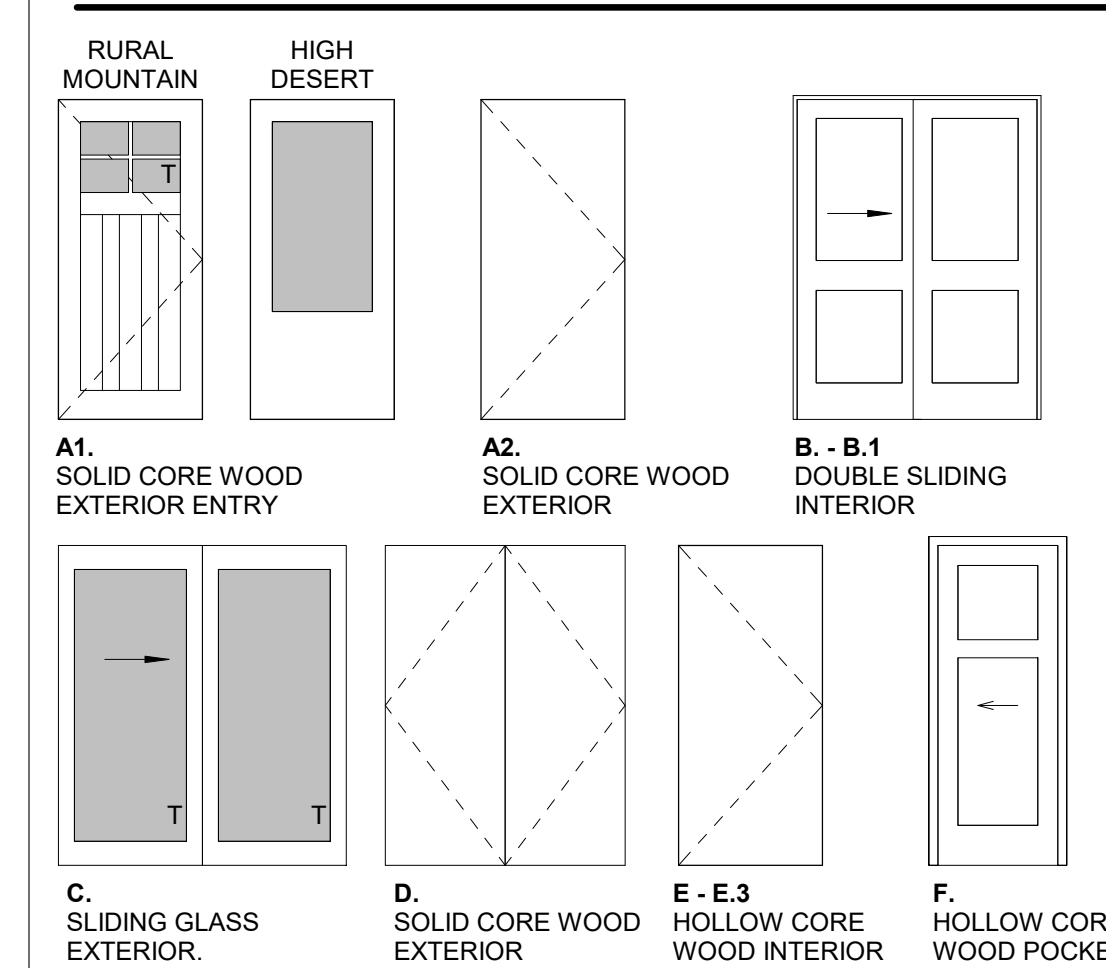
**DOOR SCHEDULE**

SCHEDULE-DOOR PLAN 5				
NO.	TYPE	DOOR		REMARKS
		WIDTH	HEIGHT	
PLAN 5	A1	3'-0"	6'-8"	
PLAN 5	A2	2'-6"	6'-8"	
PLAN 5	B	4'-0"	6'-8"	
PLAN 5	E.1	2'-6"	6'-8"	
PLAN 5	E.2	2'-6"	6'-8"	

SCHEDULE-DOOR PLAN 5 ADA				
NO.	TYPE	DOOR		REMARKS
		WIDTH	HEIGHT	
PLAN 5	A1	3'-0"	6'-8"	
PLAN 5	A2	2'-6"	6'-8"	
PLAN 5	B	4'-0"	6'-8"	
PLAN 5	E.1	2'-6"	6'-8"	
PLAN 5	E.2	2'-6"	6'-8"	

**DOOR LEGEND**



**WINDOW GENERAL NOTES**

- REFER TO GENERAL NOTES ON SHEET G-101 FOR ADDITIONAL REQUIREMENTS.
- REFER TO FLOOR PLANS FOR WINDOW LOCATIONS.
- CONTRACTOR TO VERIFY EXACT ROUGH OPENING SIZES PRIOR TO FABRICATION OF ROUGH OPENINGS.
- INSTALL PER MANUFACTURERS WRITTEN INSTRUCTIONS.
- REFER TO ENERGY COMPLIANCE REPORTS FOR U-FACTOR, SHGC AND ADDITIONAL WINDOW REQUIREMENTS.
- ALL GLAZING IS DOUBLE PANE WITH A MINIMUM OF ONE TEMPERED PANE UNLESS OTHERWISE NOTED.
- EGRESS WINDOWS SHALL HAVE A CLEAR OPENING WITH A MAX. SILL HEIGHT OF 44" AFF. MIN NET CLEAR OPENING FOR EMERGENCY ESCAPE SHALL BE 5.7 S.F. EXCEPTION: AT GROUND FLOOR, MINIMUM NET CLEAR OPENING DIMENSIONS: HEIGHT: 24", WIDTH: 20".

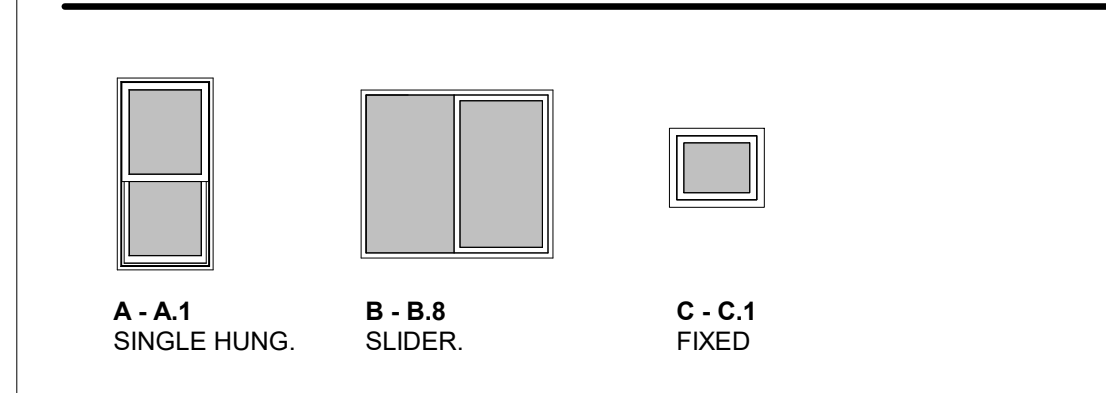
**WINDOW REMARKS**

- REQUIRED EGRESS WINDOW. REFER TO GENERAL NOTE #7 FOR ADDITIONAL INFORMATION.
- HAZARDOUS LOCATION. WINDOW INCLUDES BOTH PANES TEMPERED GLAZING.
- HIGH WINDOW. REFER TO ELEVATIONS FOR LOCATION.

**WINDOW SCHEDULE**

SCHEDULE-WINDOW PLAN 5 RURAL MOUNTAIN & HIGH DESERT						
NO.	TYPE	COUNT	SIZE		HEAD HEIGHT	REMARKS
			WIDTH	HEIGHT		
PLAN 5	A.1	2	2'-0"	3'-0"	6'-8"	
PLAN 5	B	4	4'-0"	4'-0"	6'-8"	
PLAN 5	B.3	2	4'-6"	4'-0"	6'-8"	1

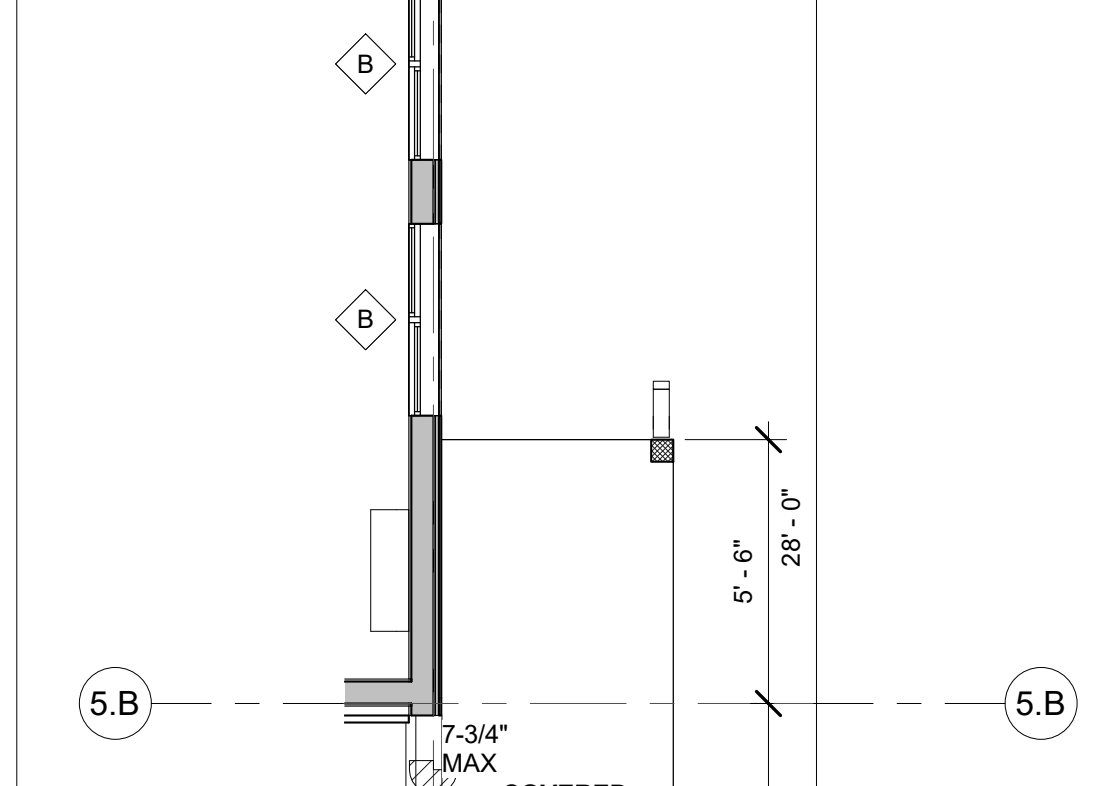
**WINDOW LEGEND**



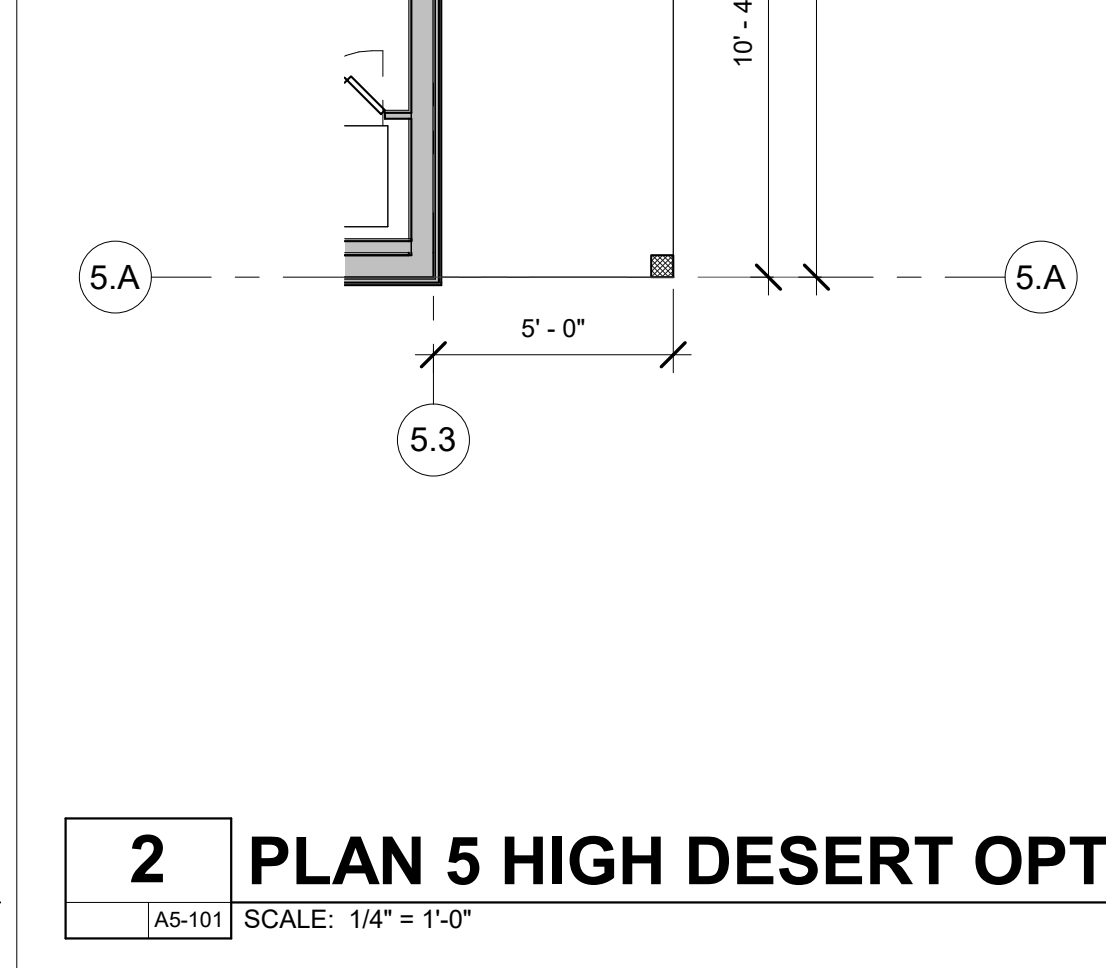
**WINDOW REMARKS**



**WINDOW SCHEDULE**

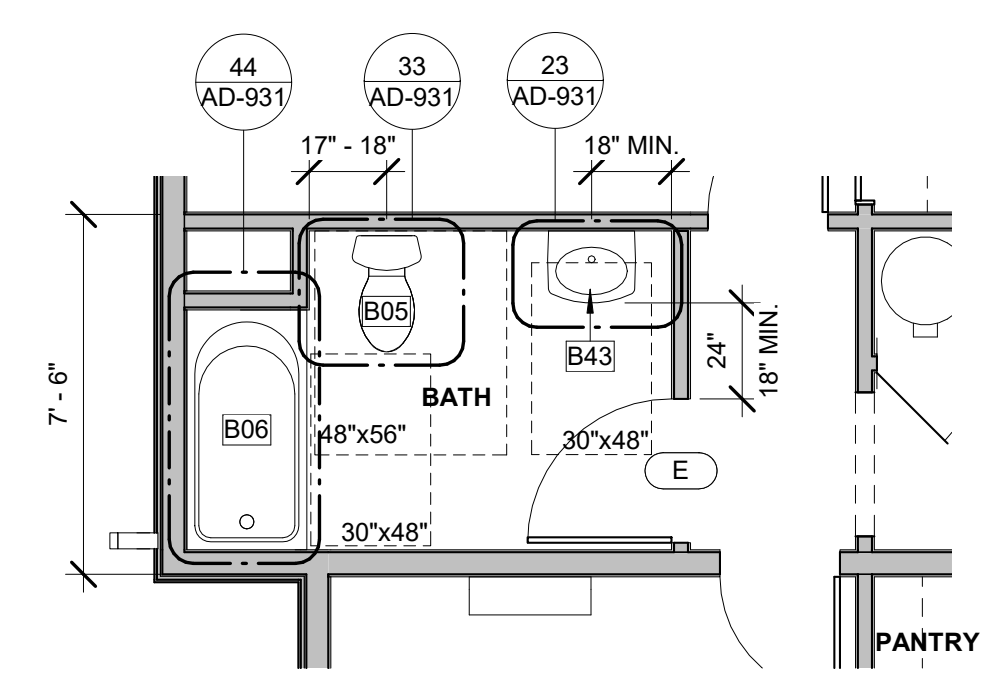


**WINDOW LEGEND**



**KEYNOTES**

- A05 REFRIGERATOR LOCATION PER OWNER. PROVIDE ROUGH PLUMBING FOR ICE MAKER (RECESS IN WALL).
- A06 STACKED WASHER/DRYER MACHINE LOCATION. PROVIDE WASTE AND WATER IN RECESSED WALL BOX. PROVIDE DRYER VENT. VENT TO OUTSIDE AIR.
- A12 24" WIDE FREE STANDING ELECTRIC RANGE OVEN. PROVIDE VENT HOOD. VENT TO EXTERIOR, STAINLESS STEEL.
- A15 FRONT LOADING WASHER. PROVIDE WASTE AND WATER IN RECESSED WALL BOX.
- A16 MICROWAVE OVER RANGE.
- A19 FRONT LOADING DRYER W/ RECESSED DRYER VENT BOX. PROVIDE DRYER VENT. VENT TO OUTSIDE AIR.
- B01 30" SINGLE COMPARTMENT UNDER-MOUNT KITCHEN SINK W/ GARBAGE DISPOSAL. REFER TO WATER EFFICIENCY REQUIREMENTS ON CALGREEN CODE NOTES SHEET.
- B04 LAVATORY SINK. REFER TO WATER EFFICIENCY REQUIREMENTS ON CALGREEN CODE NOTES SHEETS.
- B05 WATER CLOSET. REFER TO WATER EFFICIENCY REQUIREMENTS ON CALGREEN CODE NOTES SHEETS.
- B06 30" x 60" x 72" TUB AND SHOWER COMBINATION. MODEL BY BUILDER. PROVIDE SHOWER ROD.
- B14 50 GALLON TANK TYPE ELECTRIC WATER HEATER. REFER TO TITLE 24 FOR ADDITIONAL INFORMATION.
- B18 EXTERIOR RATED ELECTRIC SUB PANEL 80 AMP 120/240 VOLT. CONTRACTOR TO VERIFY MAIN PANEL.
- B38 WALL-MOUNTED MULTI-ZONE HEAT PUMP CONDENSING UNIT. REFER TO PLANS FOR LOCATION OF INDOOR FAN COIL UNITS. REFER TO TITLE 24 FOR ADDITIONAL INFORMATION.
- B41 FAN COIL. REFER TO PLANS FOR LOCATION OF OUTDOOR CONDENSING UNIT. REFER TO TITLE 24 FOR ADDITIONAL INFORMATION. PROVIDE OUTLET.
- B43 ACCESSIBLE WALL MOUNTED LAVATORY SINK. MAX HEIGHT 34". REFER TO WATER EFFICIENCY REQUIREMENTS ON CALGREEN CODE NOTES SHEETS.
- C01 SINGLE WOOD SHELF AND POLE.
- C08 12" DEEP UPPER CABINET.
- C10 24" DEEP UPPER CABINET.
- C11 34 1/2" ISLAND BASE CABINET WITH COUNTERTOP.
- C12 34 1/2" HIGH BASE CABINET AND COUNTERTOP.
- G02 AT (SLAB ON GRADE) CONCRETE FLATWORK. 1/4" FT SLOPE AWAY FROM BUILDING. AT (RAISED FOUNDATION) 2X COMPOSITE IGNITION RESISTANT DECKING. TREX OR EQUAL. OVER 4X6 FT WOOD JOISTS @ 16" O.C. REFER TO DETAILS 41, 51, 52, 54 SHEET AD-902.

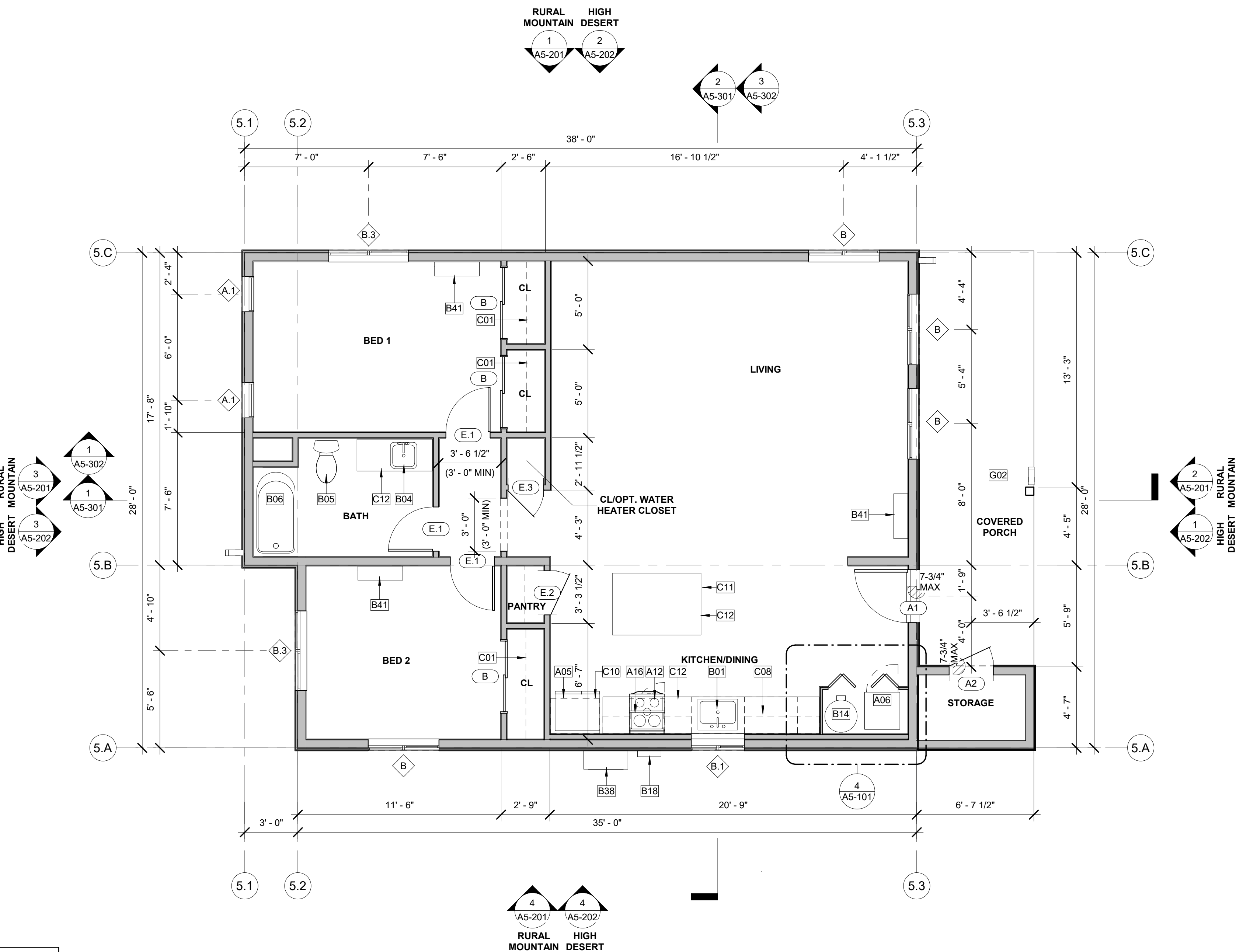


**4 OPT. ADAPTABLE WASHER/DRYER**

A5-101 | A5-101 | SCALE: 1/4" = 1'-0"

**3 OPT. ADAPTABLE BATH**

A1-201 | A5-101 | SCALE: 1/4" = 1'-0"



**1 PLAN 5 - GROUND FLOOR PLAN**

A1-201 | A5-101 | SCALE: 1/4" = 1'-0"

**2 PLAN 5 HIGH DESERT OPT.**

A5-101 | SCALE: 1/4" = 1'-0"

**FLOOR PLAN GENERAL NOTES**

- REFER TO GENERAL NOTES SHEET G-101 AND G-102 FOR ADDITIONAL REQUIREMENTS.
- REFER TO STRUCTURAL PLANS FOR FURTHER INFORMATION.
- REFER TO ELECTRICAL PLANS FOR FURTHER INFORMATION IF PROVIDED.
- REFER TO MECHANICAL PLANS, DRAWINGS OR REPORTS FOR FURTHER INFORMATION.
- ALL FURNITURE AND EQUIPMENT IS BY OWNER AND IS SHOWN FOR COORDINATION PURPOSES ONLY.
- DIMENSIONS ARE TO FACE OF FRAMING UNLESS SPECIFICALLY NOTED OTHERWISE.
- PROVIDE ADEQUATE BLOCKING IN WALLS FOR CABINETS AND OTHER WALL MOUNTED ACCESSORIES INCLUDING BUT NOT LIMITED TO HANDRAILS, SHELVING AND BATHROOM FIXTURES.
- PROVIDE FIREBLOCKING FOR WALL CAVITIES THAT EXCEED 2019 CBC HEIGHT LIMITATIONS
- DOOR AND WINDOW DIMENSIONS ARE CENTERED AT OPENINGS
- WHERE DOOR IS LOCATED WITHOUT DIMENSION AT THE CORNER OF A ROOM IT SHALL BE 4" FROM FACE OF FRAMING OF ADJACENT WALL TO ROUGH DOOR OPENING
- WHERE RECESSED FIXTURES OCCUR IN WALLS OR HORIZONTAL ASSEMBLIES, THE FIRE RATING OF THOSE ASSEMBLIES SHALL BE MAINTAINED
- AT ALL PENETRATIONS AND INTERSECTIONS OF FIRE-RATED PARTITIONS, PROVIDE FIRE SEALANT AND/OR FIRE STOPPING TO MAINTAIN CONTINUITY OF PARTITION RATING

**KEYNOTES**

**FINISH PLAN GENERAL NOTES**

- REFER TO GENERAL NOTES SHEET G-101 FOR ADDITIONAL REQUIREMENTS.
- REFER TO ELECTRICAL PLANS FOR FURTHER INFORMATION.
- REFER TO PLUMBING PLANS FOR FURTHER INFORMATION.
- REFER TO DETAILS FOR FLOOR/CEILING ASSEMBLIES AND INTERIOR FINISH DETAILS.
- ALL HARD SURFACE FLOORING SHALL BE SLIP RESISTANT AND MEET THE ANSI A326.3 STANDARD FOR MEASURING THE DYNAMIC COEFFICIENT OF FRICTION (DCOF).
- ALL FLOORING MATERIALS SHALL COMPLY WITH 2019 CBC SEC. 804.1.
- ALL WALL AND CEILING FINISHES SHALL COMPLY WITH 2019 CBC TABLE 803.13 FOR MAXIMUM FLAME SPREAD AND SMOKE DENSITY.

**FINISH SCHEDULE**

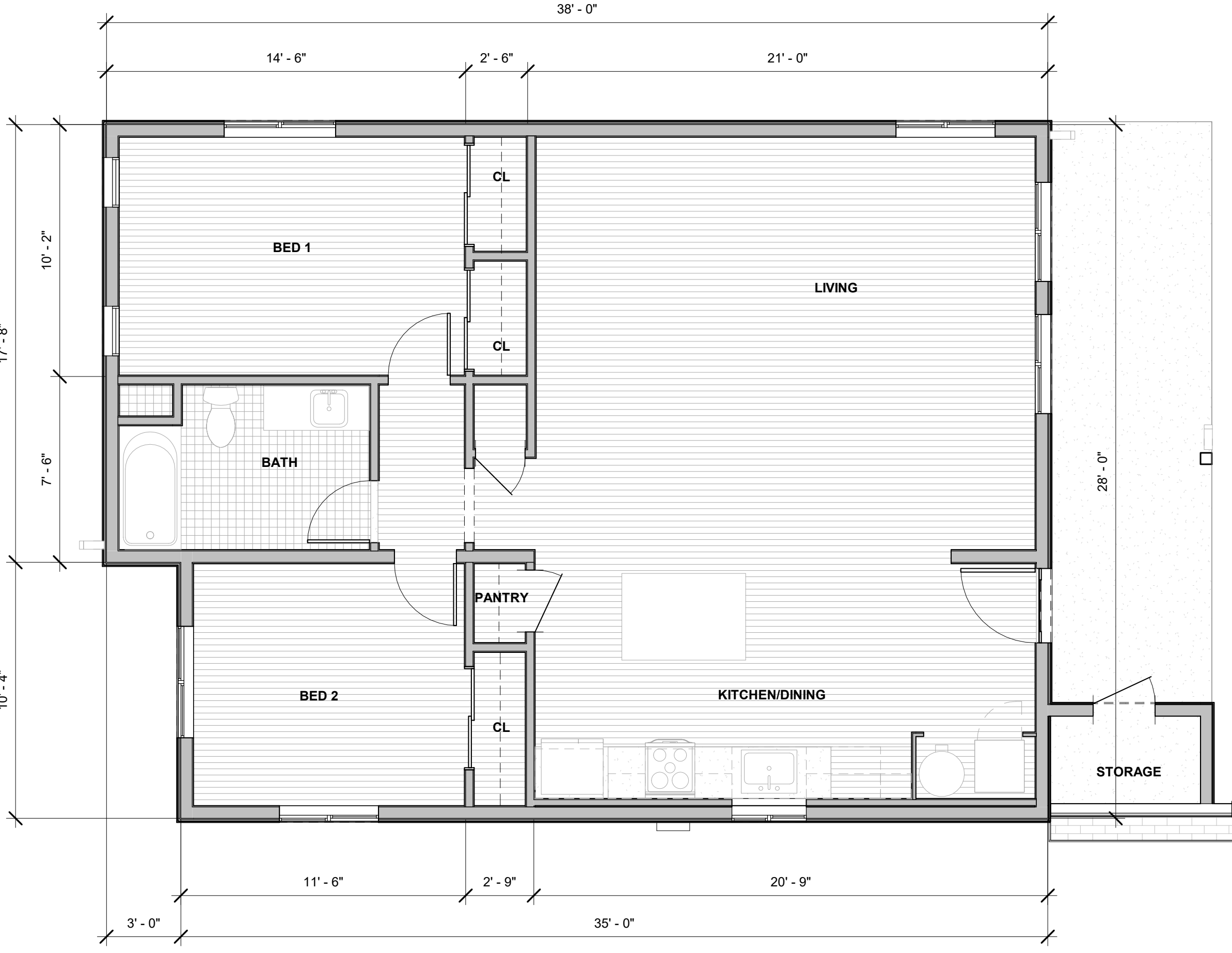
FINISH SCHEDULE PLAN 2					
NUMBER	NAME	FLOOR	CEILING	BASE	NOTES
109	BEDROOM	CPT	GWB		
110	LIVING	LVT	GWB		
111	KITCHEN	LVT	GWB		
112	BATH	CT	GWB		
113	W.I.C.	CPT	GWB		

**FINISH LEGEND**

- LUXURY VINYL PLANK (LVP)
- CERAMIC TILE (CT)
- CONCRETE (EC)

**LEGEND**

- EXTERIOR - 5 1/2" WOOD STUD W/ PLYWOOD SHEATHING AND EXTERIOR FINISH (REFER TO ELEVATIONS), ONE LAYER 5/8" TYPE X GYPSUM WALL BOARD INTERIOR.
- INTERIOR - 3 1/2" WOOD STUD W/ ONE LAYER 5/8" TYPE X GYPSUM WALL BOARD EACH SIDE.



**1 GROUND FLOOR FINISH PLAN**

A1-201 | A5-102 SCALE: 1/4" = 1'-0"

CONSULTANT

AGENCY

**MONO COUNTY ADU  
 PROTOTYPES**  
 MONO COUNTY  
 FINISH PLAN

NO.	REVISION	DATE

PROJECT MANAGER  
 RR  
 DRAWN BY \_\_\_\_\_ CHECKED BY \_\_\_\_\_  
 DATE  
 6/30/2022  
 PROJECT NUMBER  
 2340-01-CU21  
 SHEET

**A5-102**

NO.	REVISION	DATE

<b>PROJECT MANAGER</b>	
RR	
<b>DRAWN BY</b>	<b>CHECKED BY</b>
<b>DATE</b>	
6/30/2022	
<b>PROJECT NUMBER</b>	
2340-01-CU21	
<b>SHEET</b>	
A5-111	

**GENERAL ELECTRICAL NOTES**

- REFER TO ELECTRICAL NOTES ON SHEET G-101.
- KEYNOTES**
- A06 STACKED WASHER/DRYER MACHINE LOCATION. PROVIDE WASTE AND WATER IN RECESSED WALL BOX. PROVIDE DRYER VENT. VENT TO OUTSIDE AIR.
  - A10 (50) CFM MIN. INTERMITTENT VENTILATION HOOD.
  - B14 50 GALLON TANK TYPE ELECTRIC WATER HEATER. REFER TO TITLE 24 FOR ADDITIONAL INFORMATION.
  - B18 EXTERIOR RATED ELECTRIC SUB PANEL 80 AMP 120/240 VOLT. CONTRACTOR TO VERIFY MAIN PANEL.
  - B25 SMOKE ALARM OR SMOKE DETECTOR SHALL BE INSTALLED A MINIMUM OF 20 FEET HORIZONTAL DISTANCE FROM A PERMANENTLY INSTALLED COOKING APPLIANCE AND 3 FEET AWAY FROM PATH OF CEILING FAN BLADES. EXCEPTION: IONIZATION SMOKE ALARMS WITH AN ALARM SILENCING SWITCH OR PHOTOELECTRIC SMOKE ALARMS SHALL BE PERMITTED TO BE INSTALLED 10 FEET OR GREATER FROM A PERMANENTLY INSTALLED COOKING APPLIANCE. PHOTOELECTRIC SMOKE ALARMS SHALL BE PERMITTED TO BE INSTALLED GREATER THAN 6 FEET FROM PERMANENTLY INSTALLED COOKING APPLIANCE WHERE KITCHEN AND ADJACENT SPACES HAVE NO CLEAR INTERIOR PARTITIONS AND THE 10 FOOT DISTANCE WOULD PROHIBIT PLACEMENT OF A SMOKE ALARM OR SMOKE DETECTOR REQUIRED BY OTHER SECTIONS OF THE CODE. SMOKE ALARMS SHALL BE LISTED FOR USE IN CLOSE PROXIMITY TO A PERMANENTLY INSTALLED COOKING APPLIANCE. PER CRC R314.3.3 ITEM 4.
  - B38 WALL-MOUNTED MULTI-ZONE HEAT PUMP CONDENSING UNIT. REFER TO PLANS FOR LOCATION OF INDOOR FAN FAN COIL UNITS. REFER TO TITLE 24 FOR ADDITIONAL INFORMATION.
  - B41 FAN COIL. REFER TO PLANS FOR LOCATION OF OUTDOOR CONDENSING UNIT. REFER TO TITLE 24 FOR ADDITIONAL INFORMATION. PROVIDE OUTLET.
  - B44 GFI PROTECTED RECEPTACLE TO BE LOCATED 12" BELOW THE COUNTERTOP WHERE COUNTERTOP DOES NOT EXTEND MORE THAN 6" BEYOND ITS SUPPORT BASE.
  - B45 OUTLET SERVING WATER HEATER SHALL BE ACCESSIBLE TO THE WATER HEATER WITH NO OBSTRUCTION. LOCATE OUTLET AT 72" A.F.F.

**VENTILATION SUMMARIES**

**PER ASHRAE Standard 62.2, Table 7.1 (Prescriptive Duct Sizing Requirements)**  
(Table 7.1 Assumes no elbows. Deduct 15-feet of allowable duct length for each turn, elbow or fitting. Fan rating cfm @ 0.25 in w.g., and rated at less than one son.)

**LOCAL VENTILATION RATE SUMMARY - BATHROOM(S)**  
Bathroom Minimum Fan Flow (cfm) = 50 cfm  
Per Table 7.1, Duct Size = 4" Diameter; Flex Duct  
Maximum Allowable Duct Length (ft) = 70'

**LOCAL VENTILATION RATE SUMMARY - KITCHEN**  
Kitchen Minimum Fan Flow (cfm) = 100 cfm  
Per Table 7.1, Duct Size = 5" Diameter; Smooth Duct  
Maximum Allowable Duct Length (ft) = 85 Feet

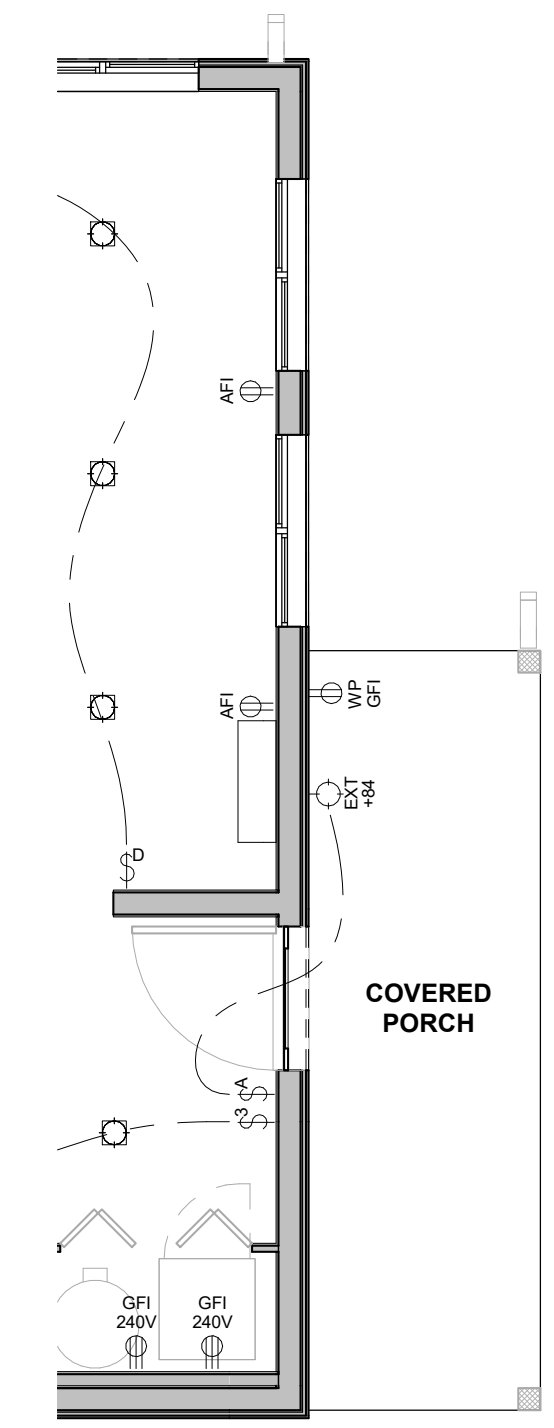
**LOCAL VENTILATION RATE SUMMARY - WHOLE BUILDING**  
Per ASHRAE Standard 62.2 Equation 4.1(a)

EXHAUST DUCT SIZE  
 $Q_{cfm} = .01(\text{floor area}) + 7.5 (\# \text{ of bedrooms} + 1)$   
**2-BEDROOM**  
 $Q_{cfm} = .01(1,033) + 7.5 (2 + 1)$   
 $Q_{cfm} = 32.83$

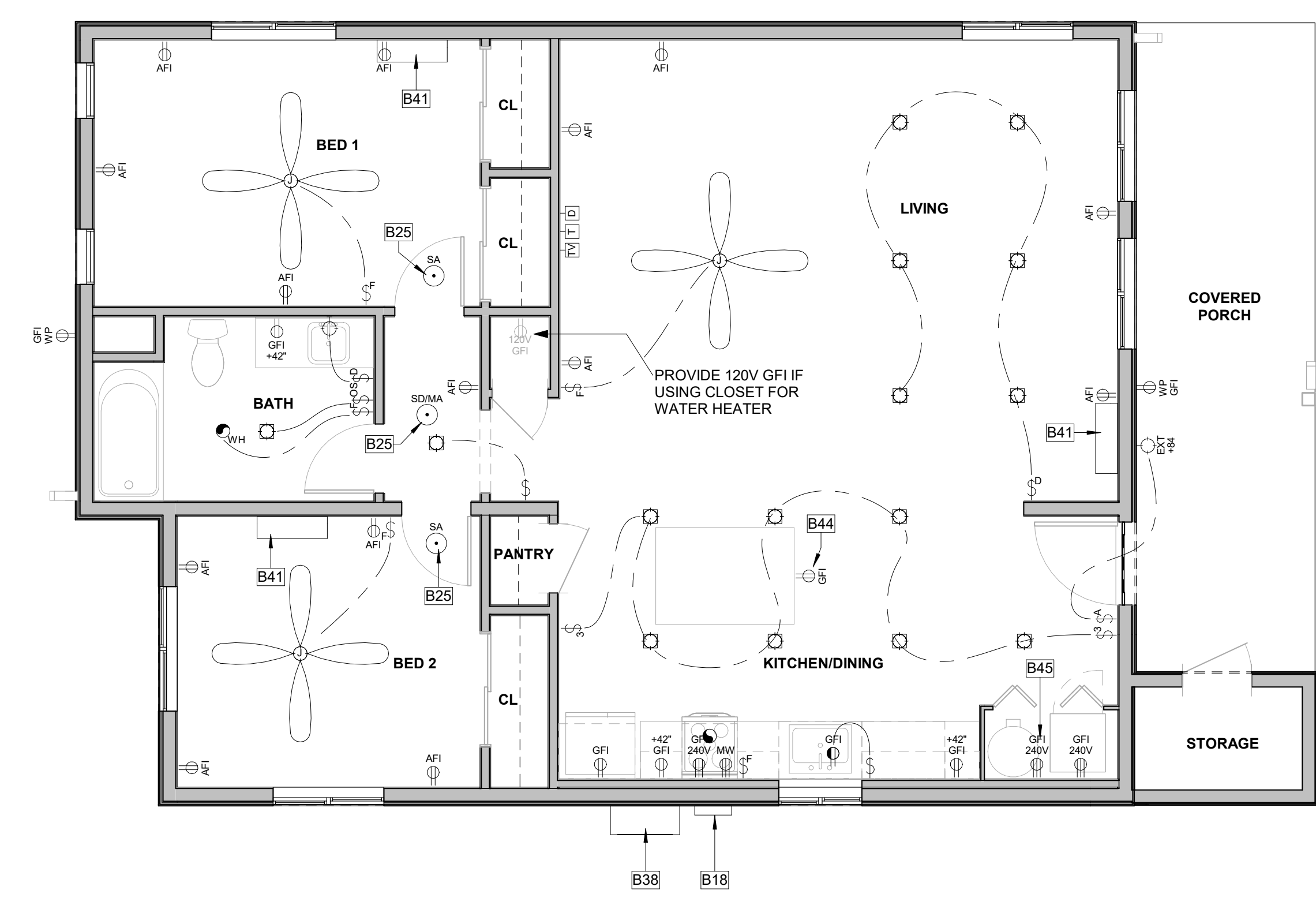
DUCT SIZE PER ASHRAE TABLE 7.1  
REFER TO LEGEND FOR WHOLE HOUSE FAN (WH)

**CONTINUOUS FAN FLOW (CFM) = 50 CFM**  
Per Table 7.1, Duct Size = 4" Diameter; Smooth duct  
Maximum Allowable Duct Length (ft) = 35'  
OR  
Per Table 7.1, Duct Size = 4" Diameter; FLEX DUCT  
Maximum Allowable Duct Length (ft) = 70'

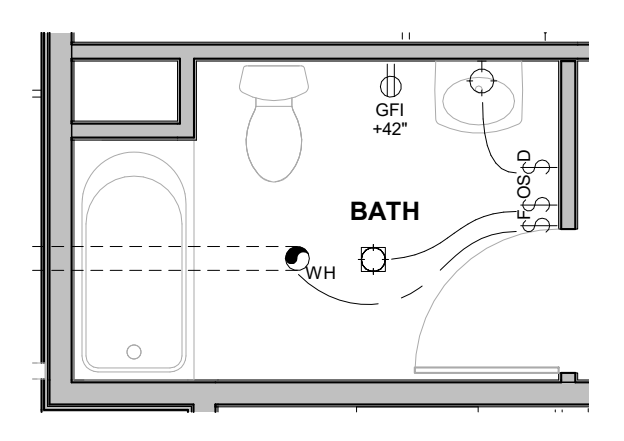
**LEGEND**

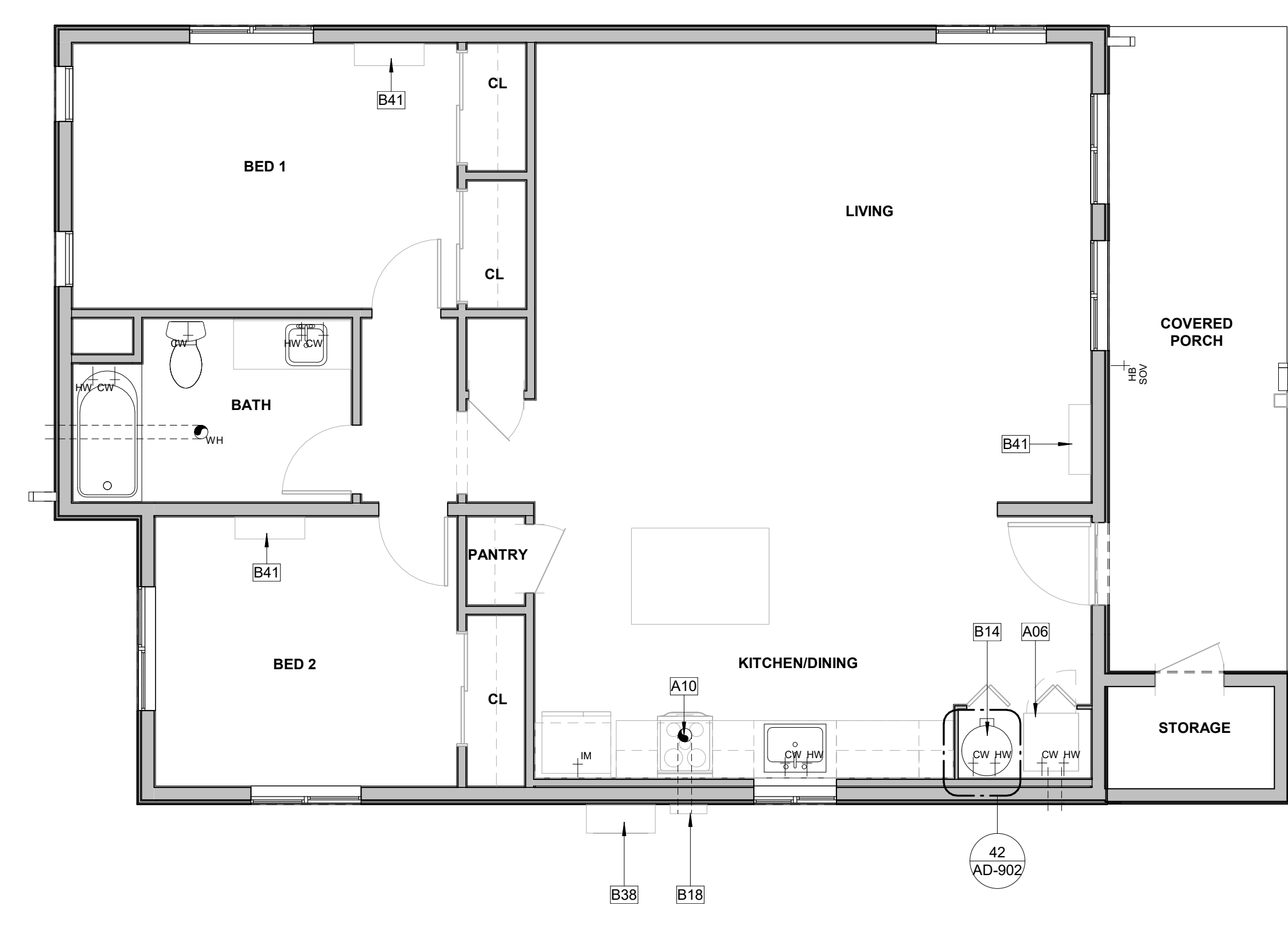
**4 PLAN 5 - ELECTRICAL**  
A1-201 | A5-111 | SCALE: 1/4" = 1'-0"



**1 PLAN 5 - ELECTRICAL**  
A1-201 | A5-111 | SCALE: 1/4" = 1'-0"



**3 PLAN 5 - ELECTRICAL ADAPTABLE OPT.**  
A1-201 | A5-111 | SCALE: 1/4" = 1'-0"



**2 PLAN 5 - MECHANICAL**  
A1-201 | A5-111 | SCALE: 1/4" = 1'-0"

### ROOF VENTING CALCULATIONS

**UPPER VENTS:** O'HAGIN TAPERED LOW PROFILE STANDARD LINE  
72.0 SQ. IN. OF AIR MOVEMENT PER VENT = 72. SQ. IN. / 144 = 0.5 SF

**LOWER VENTS:** O'HAGIN TAPERED LOW PROFILE STANDARD LINE  
72.0 SQ. IN. OF AIR MOVEMENT PER VENT = 72. SQ. IN. / 144 = 0.5 SF

"UPPER VENTS PROVIDED" = (TOTAL ATTIC AREA/300) \* (0.5) / (0.5 SF)

"LOWER VENTS PROVIDED" = (TOTAL ATTIC AREA/300) \* (0.5) / (0.5 SF)

ATTIC	AREA	REQUIRED ATTIC VENTING (NFA)	UPPER VENTING REQUIRED (NFA)	LOWER VENTING REQUIRED (NFA)
ATTIC 1 - PLAN 5	1064 SF	3.55 SF	1.77 SF	1.77 SF
ATTIC 2 - PLAN 5	98 SF	0.33 SF	0.16 SF	0.16 SF

VENT TYPE	COUNT	VENT LENGTH	NET FREE AREA PER VENT	PROVIDED NET FREE AREA
<b>ATTIC 1 - PLAN 5</b>				
<b>LOWER</b>				
O'HAGIN SHINGLE ROOF VENT (LOWER)	4	2' - 8"	0.50 SF	2.00 SF
<b>UPPER</b>				
O'HAGIN SHINGLE ROOF VENT (UPPER)	4	2' - 8"	0.50 SF	2.00 SF
				4.00 SF
<b>ATTIC 2 - PLAN 5</b>				
<b>LOWER</b>				
O'HAGIN SHINGLE ROOF VENT (LOWER)	1	2' - 8"	0.50 SF	0.50 SF
<b>UPPER</b>				
O'HAGIN SHINGLE ROOF VENT (UPPER)	1	2' - 8"	0.50 SF	0.50 SF
				1.00 SF

### KEYNOTES

F03 30" X 30" MIN. ATTIC ACCESS. PROVIDED SWITCH AND OUTLET AT ATTIC FOR FAU. PERMANENTLY ATTACH R-38 OR GREATER INSULATION TO ATTIC ACCESS DOOR USING ADHESIVE OR MECHANICAL FASTENERS CENc 150.0 (a)1. PROVIDE GASKETED ATTIC ACCESS TO PREVENT AIR LEAKAGE CENc 150.0 (a)1.

### ROOF PLAN GENERAL NOTES

- REFER TO GENERAL NOTES SHEET G-101 FOR ADDITIONAL REQUIREMENTS
- REFER TO STRUCTURAL PLANS FOR ROOF FRAMING INFORMATION INCLUDING MEMBER SIZES AND CONNECTION HARDWARE
- REFER TO MECHANICAL PLANS FOR ROOF MOUNTED EQUIPMENT LOCATIONS AND TYPES
- REFER TO ELECTRICAL PLANS FOR POWER DISTRIBUTION TO ROOF MOUNTED EQUIPMENT
- REFER TO PLUMBING PLANS ROOF VENT PENETRATIONS
- REFER TO SITE/GRADING PLAN FOR DOWNSPOUT DISCHARGE OR CONTINUATION
- PROVIDE A MINIMUM OF 1 INCH OF AIRSPACE BETWEEN THE INSULATION AND ROOF SHEATHING
- WHERE THE ROOF PROFILE ALLOWS A SPACE BETWEEN THE ROOF COVERING AND DECKING, THE SPACES SHALL BE CONSTRUCTED TO PREVENT THE INTRUSION OF FLAMES AND EMBERS. BE FIRESTOPPED WITH APPROVED MATERIALS OR HAVE ONE LAYER OF MINIMUM 72 POUND MINERAL-SURFACED NONPERFORATED CAP SHEET OVER THE COMBUSTIBLE DECKING
- ALL ROOFING MATERIALS TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS
- OVERHANG DIMENSIONS ARE FROM FACE OF EXTERIOR WALL FRAMING TO ROOF EDGE
- ROOF COVERINGS AND UNDERLAYMENT SHALL BE APPLIED IN ACCORDANCE WITH (2019 CBC 1507.1), AND MANUFACTURER'S INSTALLATION INSTRUCTIONS
- WHERE PROVIDED, VENTILATION OPENINGS SHALL BE IN ACCORDANCE WITH (2019 CBC SECTION 1202). EXTERIOR OPENINGS INTO THE ATTIC SPACE SHALL BE COVERED WITH CORROSION-RESISTANT WIRE CLOTH SCREENING, HARDWARE CLOTH, PERFORATED VINYL OR SIMILAR MATERIAL. THE OPENINGS SHALL BE A MINIMUM OF 1/16" AND SHALL NOT EXCEED 1/4" PER (2019 CBC 1202.2.2)
- ROOF VENTS SHALL BE APPLIED PER MANUFACTURER'S SPECIFICATIONS
- FURNISH DIMENSIONS FOR VENTS ARE GUIDES ONLY. INSTALL PER MANUFACTURER'S SPECIFICATIONS AND ADJUST TO ACCOMMODATE TRUSS LOCATIONS, PLUMBING VENTS, AND SOLAR COLLECTORS.

### LEGEND

- 10'-0" HEIGHT OF TOP OF ROOFING SURFACE
- 2' / 12" ROOF SLOPE (REFER TO PLANS FOR ACTUAL SLOPE)
- O'HAGIN ATTIC VENT, PAINT TO MATCH ROOF COLOR. (REFER TO EXTERIOR ELEVATIONS FOR COLORS AND MATERIALS.)
- WALL BELOW
- GUTTER, CONNECT TO DOWNSPOUT
- DOWNSPOUT, TO ROOF OR SPLASHBLOCK BELOW U.N.O.
- SOLAR ZONE. REFER TO SOLAR READY NOTES ON SHEET G-101.

### RCP GENERAL NOTES

- REFER TO GENERAL NOTES SHEET G-101 AND G-102 FOR ADDITIONAL REQUIREMENTS
- REFER TO ELECTRICAL PLANS FOR FURTHER INFORMATION
- REFER TO MECHANICAL PLANS FOR FURTHER INFORMATION
- REFER TO DETAILS FOR FLOOR/CEILING ASSEMBLIES
- HEIGHT OF CEILINGS SHALL BE MEASURED FROM TOP OF SLAB TO FINISH FACE OF GWB OR FACE OF CEILING GRID AS INDICATED ON THE REFLECTED CEILING PLAN, UNO.
- CONTRACTOR TO VERIFY DEPTH OF SOFFITS AND HOLD TIGHT TO PLUMBING, SPRINKLERS, ELECTRICAL AND MECHANICAL DUCTS

### LEGEND

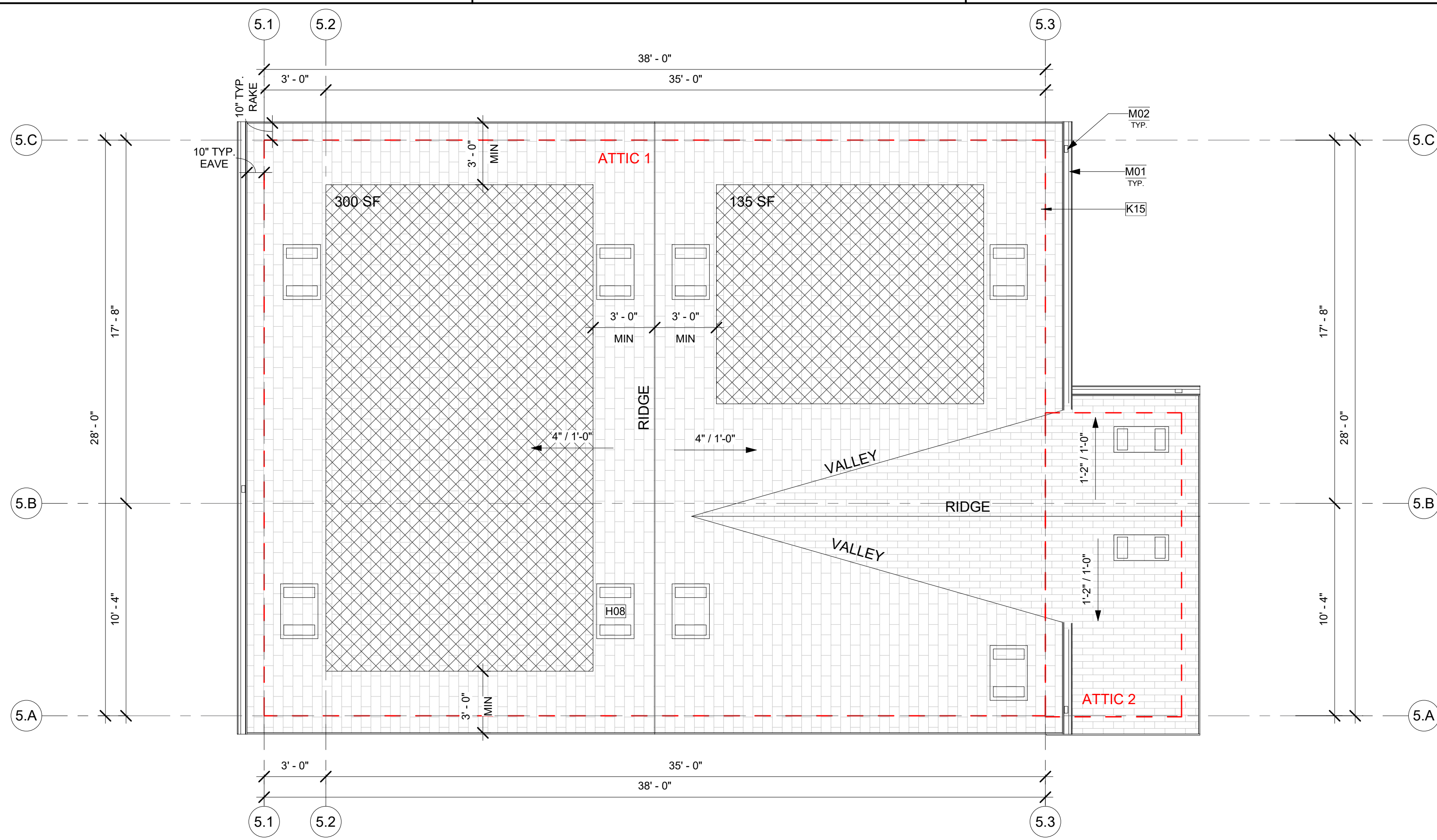
- 10'-0" HEIGHT OF CEILING SURFACE (REFER TO PLANS FOR ACTUAL HEIGHT)
- 2' / 12" CEILING SLOPE (REFER TO PLANS FOR ACTUAL SLOPE)
- INTERIOR CEILING FINISH. REFER TO FINISH SCHEDULE.
- EXTERIOR 7/8" 3-COAT CEMENT PLASTER CEILING. 1HR FIRE-RESISTANCE PER CBC TABLE 721.1(1) ITEM 1-4.1
- EXTERIOR FIBER CEMENT BOARD CEILING. HARIE SOFFIT PANELS - BEADED PORCH PANEL OR EQ.

**MONO COUNTY ADU  
PROTOTYPES**  
MONO COUNTY  
**ROOF PLAN & RCP - RURAL  
MOUNTAIN**

NO.	REVISION	DATE

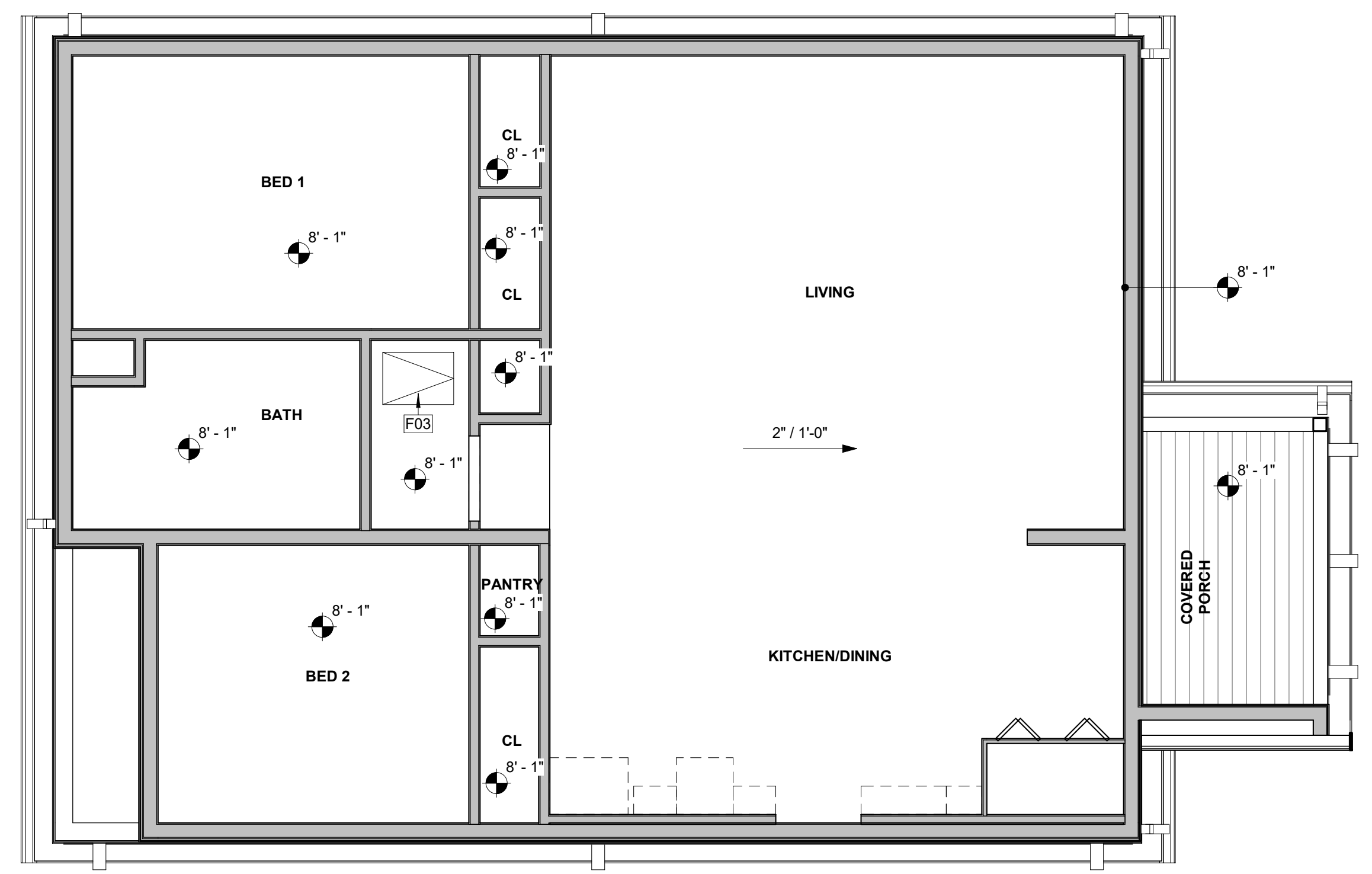
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**DATE**  
6/30/2022  
**PROJECT NUMBER**  
2340-01-CU21  
**SHEET**

**A5-121**



**2 ROOF PLAN 5 - RURAL MOUNTAIN**

A5-121 SCALE: 1/4" = 1'-0"



**1 GROUND FLOOR RCP 5 - RURAL MOUNTAIN**

A1-201 A5-121 SCALE: 1/4" = 1'-0"

## ROOF PLAN GENERAL NOTES

- REFER TO GENERAL NOTES SHEET G-101 FOR ADDITIONAL REQUIREMENTS
- REFER TO STRUCTURAL PLANS FOR ROOF FRAMING INFORMATION INCLUDING MEMBER SIZES AND CONNECTION HARDWARE
- REFER TO MECHANICAL PLANS FOR ROOF MOUNTED EQUIPMENT LOCATIONS AND TYPES
- REFER TO ELECTRICAL PLANS FOR POWER DISTRIBUTION TO ROOF MOUNTED EQUIPMENT
- REFER TO PLUMBING PLANS ROOF VENT PENETRATIONS
- REFER TO SITE/GRADING PLAN FOR DOWNSPOUT DISCHARGE OR CONTINUATION
- PROVIDE A MINIMUM OF 1 INCH OF AIRSPACE BETWEEN THE INSULATION AND ROOF SHEATHING
- WHERE THE ROOF PROFILE ALLOWS A SPACE BETWEEN THE ROOF COVERING AND DECKING, THE SPACES SHALL BE CONSTRUCTED TO PREVENT THE INTRUSION OF FLAMES AND EMBERS, BE FIRESTOPPED WITH APPROVED MATERIALS OR HAVE ONE LAYER OF MINIMUM 72 POUND MINERAL-SURFACED NONPERFORATED CAP SHEET OVER THE COMBUSTIBLE DECKING
- ALL ROOFING MATERIALS TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS
- OVERHANG DIMENSIONS ARE FROM FACE OF EXTERIOR WALL FRAMING TO ROOF EDGE
- ROOF COVERINGS AND UNDERLAYMENT SHALL BE APPLIED IN ACCORDANCE WITH (2019 CBC 1507.1), AND MANUFACTURER'S INSTALLATION INSTRUCTIONS
- WHERE PROVIDED, VENTILATION OPENINGS SHALL BE IN ACCORDANCE WITH (2019 CBC SECTION 1202). EXTERIOR OPENINGS INTO THE ATTIC SPACE SHALL BE COVERED WITH CORROSION-RESISTANT WIRE CLOTH SCREENING, HARDWARE CLOTH, PERFORATED VINYL OR SIMILAR MATERIAL. THE OPENINGS SHALL BE A MINIMUM OF 1/16" AND SHALL NOT EXCEED 1/4" PER (2019 CBC 1202.2.2)
- ROOF VENTS SHALL BE APPLIED PER MANUFACTURER'S SPECIFICATIONS
- FURNISHED DIMENSIONS FOR VENTS ARE GUIDES ONLY. INSTALL PER MANUFACTURER'S SPECIFICATIONS AND ADJUST TO ACCOMMODATE TRUSS LOCATIONS, PLUMBING VENTS, AND SOLAR COLLECTORS.

CONSULTANT

AGENCY

## ROOF VENTING CALCULATIONS

**UPPER VENTS:** 14" x 17.5" VULCAN GABLE VENT  
86.0 SQ. IN. OF AIR MOVEMENT PER VENT = 86 SQ. IN. / 144 = 0.60 SF  
14" x 12" VULCAN GABLE VENT  
58.0 SQ. IN. OF AIR MOVEMENT PER VENT = 58 SQ. IN. / 144 = 0.40 SF

**LOWER VENTS:** (3) 3" ROUND MESH FACE FIRE VULCAN VENTS IN EAVE BLOCKING  
12 SQ. IN. / 144 = 0.08 SF

"UPPER VENTS PROVIDED" = (TOTAL ATTIC AREA/300) \* (0.5) / (0.40 SF)  
"LOWER VENTS PROVIDED" = (TOTAL ATTIC AREA/300) \* (0.5) / (0.08 SF)

ATTIC	AREA	REQUIRED ATTIC VENTING (NFA)	UPPER VENTING REQUIRED (NFA)	LOWER VENTING REQUIRED (NFA)
ATTIC 1 - PLAN 5	305 SF	1.02 SF	0.51 SF	0.51 SF
ATTIC 2 - PLAN 5	444 SF	1.48 SF	0.74 SF	0.74 SF

VENT TYPE	COUNT	VENT LENGTH	NET FREE AREA PER VENT	PROVIDED NET FREE AREA
<b>ATTIC 1 - PLAN 5</b>				
LOWER				
(3) 3" HOLES (LOWER)	7	2' - 0"	0.08 SF	0.56 SF
UPPER				
14x17.5 VULCAN GABLE VENT (UPPER)	1	1' - 2"	0.60 SF	0.60 SF
				1.16 SF
<b>ATTIC 2 - PLAN 5</b>				
LOWER				
(3) 3" HOLES (LOWER)	10	2' - 0"	0.08 SF	0.80 SF
UPPER				
14x12 VULCAN GABLE VENT (UPPER)	2	1' - 0"	0.40 SF	0.80 SF
				1.60 SF

## KEYNOTES

F03 30" X 30" MIN. ATTIC ACCESS. PROVIDED SWITCH AND OUTLET AT ATTIC FOR FAU. PERMANENTLY ATTACH R-38 OR GREATER INSULATION TO ATTIC ACCESS DOOR USING ADHESIVE OR MECHANICAL FASTENERS CEN 150.0 (a)1. PROVIDE GASKETED ATTIC ACCESS TO PREVENT AIR LEAKAGE CEN 150.0 (a)1.

## LEGEND

- 10'-0" HEIGHT OF TOP OF ROOFING SURFACE
- 2' / 12" ROOF SLOPE (REFER TO PLANS FOR ACTUAL SLOPE)
- O'HAGIN ATTIC VENT, PAINT TO MATCH ROOF COLOR. (REFER TO EXTERIOR ELEVATIONS FOR COLORS AND MATERIALS.)
- WALL BELOW
- GUTTER, CONNECT TO DOWNSPOUT
- DOWNSPOUT, TO ROOF OR SPLASHBLOCK BELOW U.N.O.
- SOLAR ZONE. REFER TO SOLAR READY NOTES ON SHEET G-101.

## RCP GENERAL NOTES

- REFER TO GENERAL NOTES SHEET G-101 AND G-102 FOR ADDITIONAL REQUIREMENTS
- REFER TO ELECTRICAL PLANS FOR FURTHER INFORMATION
- REFER TO MECHANICAL PLANS FOR FURTHER INFORMATION
- REFER TO DETAILS FOR FLOOR/CEILING ASSEMBLIES
- HEIGHT OF CEILINGS SHALL BE MEASURED FROM TOP OF SLAB TO FINISH FACE OF GWB OR FACE OF CEILING GRID AS INDICATED ON THE REFLECTED CEILING PLAN, UNO.
- CONTRACTOR TO VERIFY DEPTH OF SOFFITS AND HOLD TIGHT TO PLUMBING, SPRINKLERS, ELECTRICAL AND MECHANICAL DUCTS

## LEGEND

- 10'-0" HEIGHT OF CEILING SURFACE (REFER TO PLANS FOR ACTUAL HEIGHT)
- 2' / 12" CEILING SLOPE (REFER TO PLANS FOR ACTUAL SLOPE)
- INTERIOR CEILING FINISH. REFER TO FINISH SCHEDULE.
- EXTERIOR 7/8" 3-COAT CEMENT PLASTER CEILING. 1HR FIRE-RESISTANCE PER CBC TABLE 721.1(1) ITEM 1-4.1
- EXTERIOR FIBER CEMENT BOARD CEILING. HARIE SOFFIT PANELS - BEADED PORCH PANEL OR EQ.

NO.	REVISION	DATE

PROJECT MANAGER  
RR

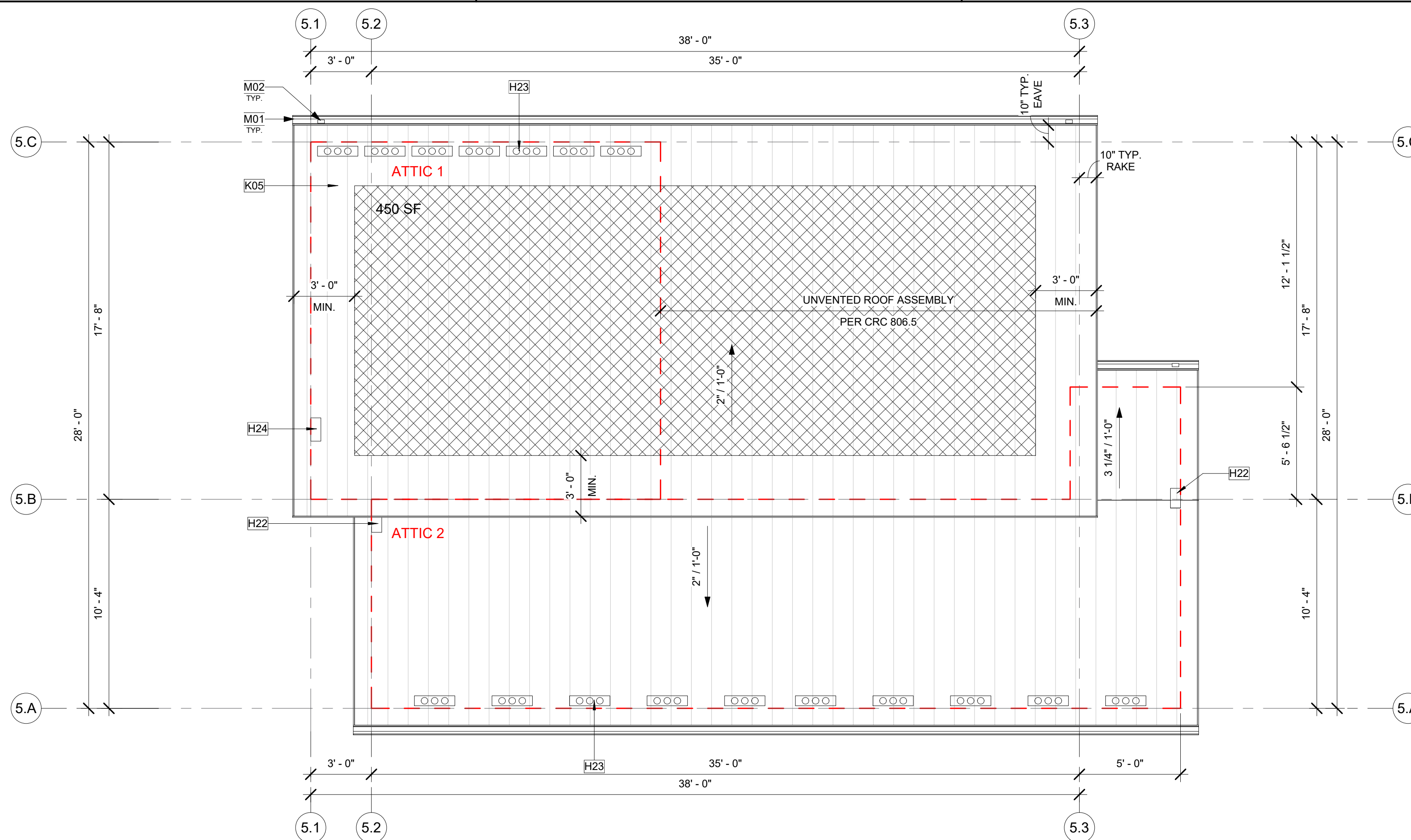
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PROJECT NUMBER  
2340-01-CU21

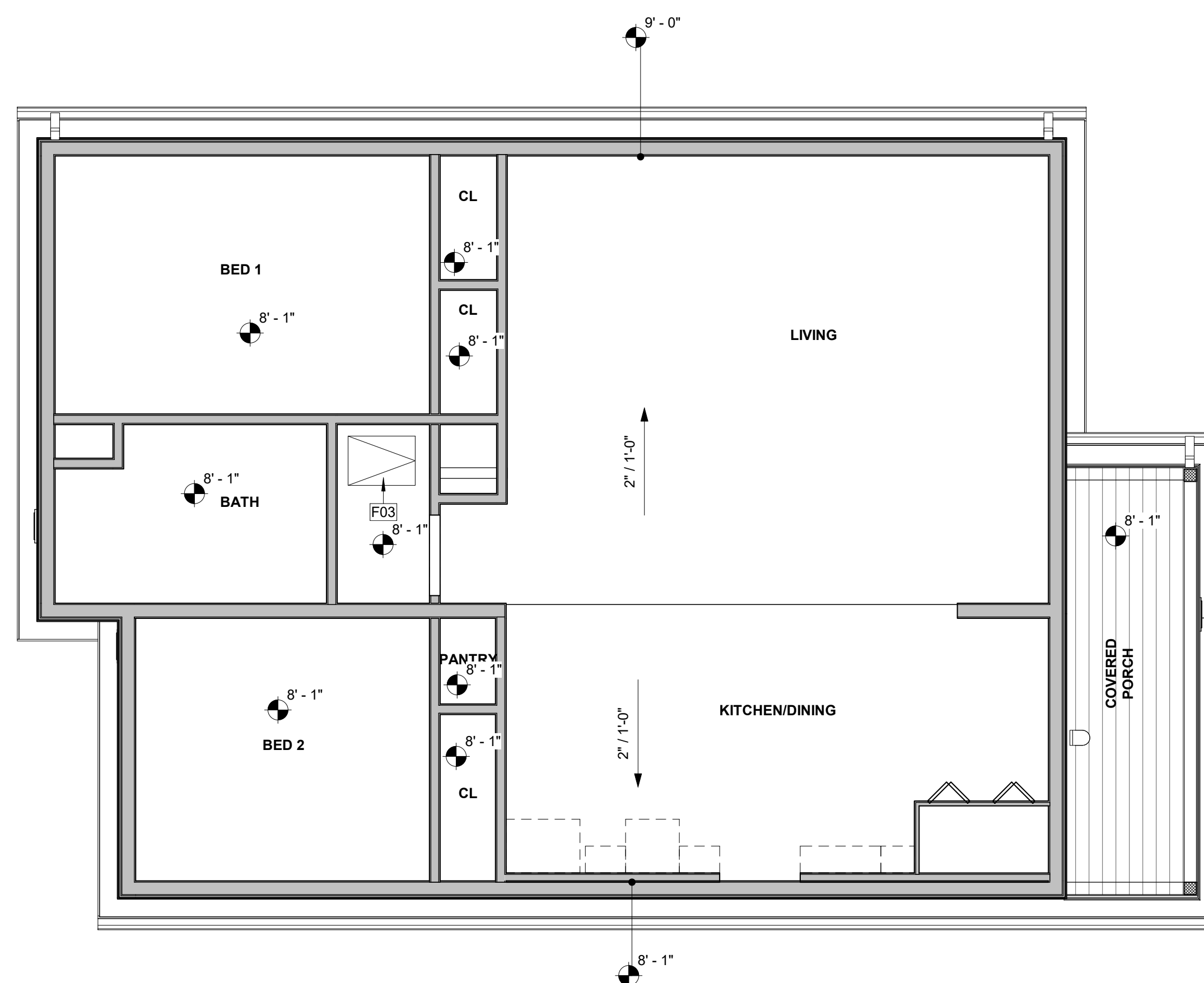
SHEET

A5-122



## 2 ROOF PLAN 5 - HIGH DESERT

A5-122 SCALE: 1/4" = 1'-0"



## 1 GROUND FLOOR RCP 5 - HIGH DESERT

A1-201 A5-122 SCALE: 1/4" = 1'-0"

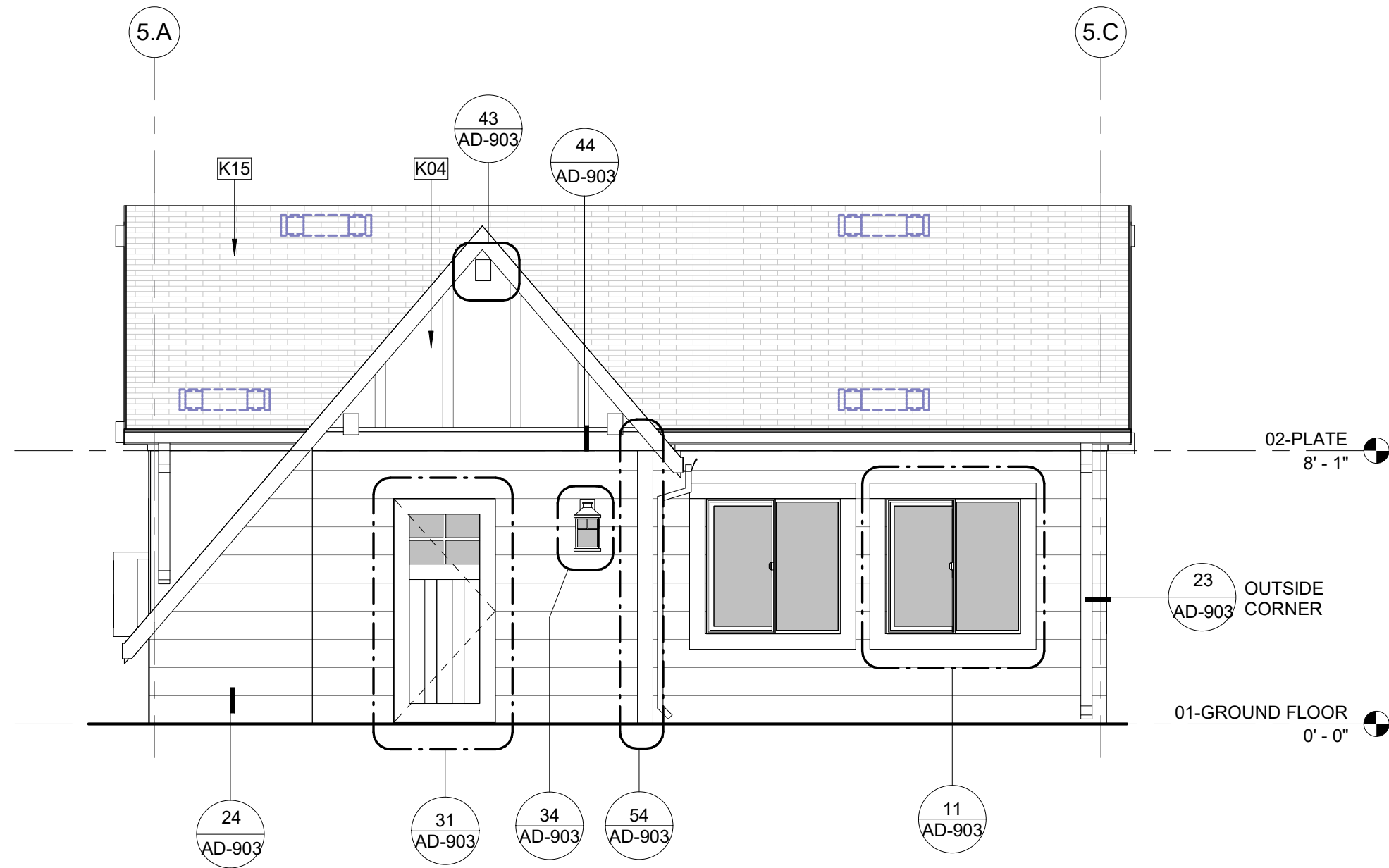


**ELEVATION GENERAL NOTES**

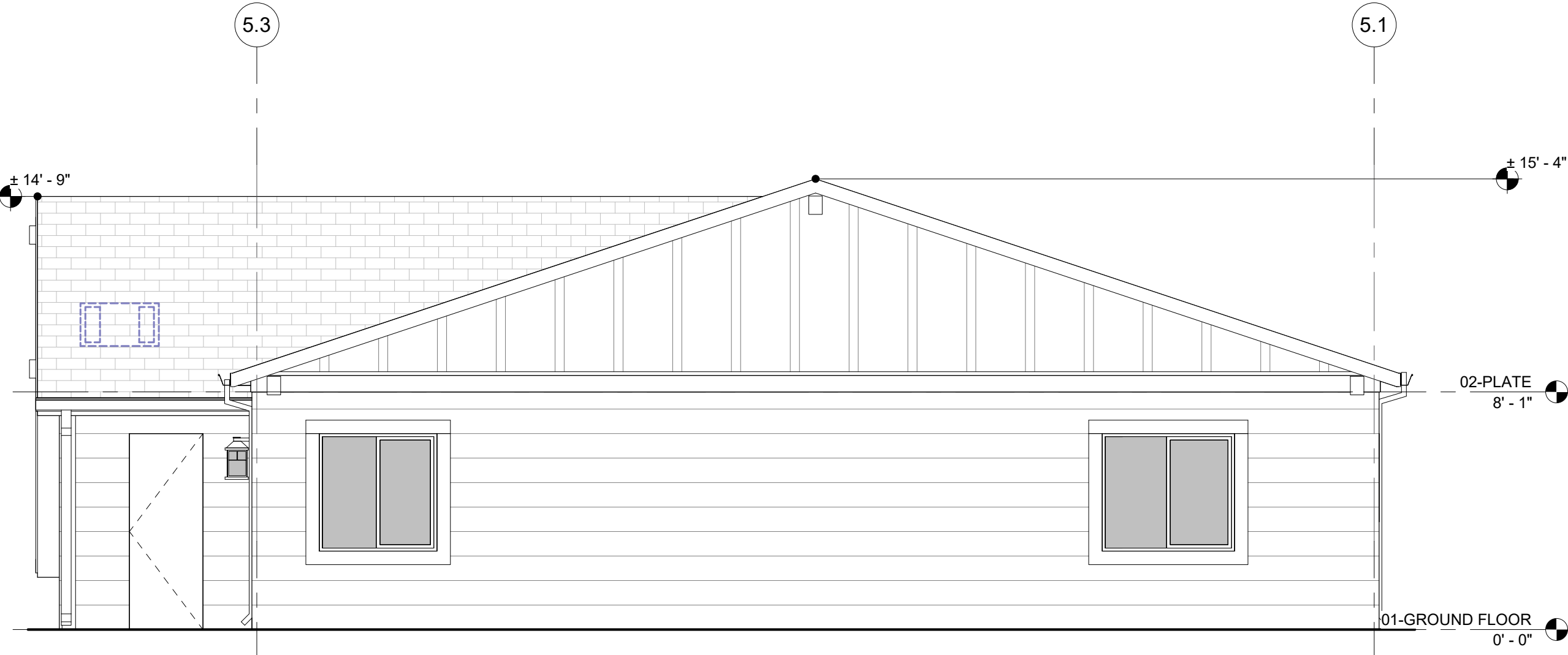
1. REFER TO GENERAL NOTES SHEET G-101 FOR ADDITIONAL REQUIREMENTS.
2. FRAMING ELEVATIONS, INCLUDING FLOOR PLATES AND FLOOR LEVEL ELEVATIONS ARE MEASURED FROM BUILDING FINISH FLOOR, U.N.O.
3. SEE DETAILS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
4. REFER TO ROOF PLAN FOR ROOF PITCH AND OVERHANGS, FASCIA PER DETAILS.
5. SEE ROOF PLAN FOR APPROXIMATE DOWNSPOUT LOCATIONS, U.N.O.
6. REFER TO DOOR AND WINDOW SCHEDULES AND TYPES FOR DOOR AND WINDOW INFORMATION.
7. SEE ELECTRICAL DRAWINGS FOR EXTERIOR LIGHTING.
8. SEE MECHANICAL DRAWINGS FOR GRILLES AND LOUVERS, PAINT TO MATCH ADJACENT FINISH.
9. CONTRACTOR TO VERIFY COLOR SCHEME WITH OWNER BEFORE PERFORMING THE WORK.

CONSULTANT

AGENCY



**2 PLAN 5 - RURAL MOUNTAIN - RIGHT**  
A5-101 | A5-201 SCALE: 1/4" = 1'-0"



**1 PLAN 5 - RURAL MOUNTAIN - REAR**  
A5-101 | A5-201 SCALE: 1/4" = 1'-0"

**KEYNOTES**

- B18 EXTERIOR RATED ELECTRIC SUB PANEL 80 AMP 120/240 VOLT. CONTRACTOR TO VERIFY MAIN PANEL.
- B38 WALL-MOUNTED MULTI-ZONE HEAT PUMP CONDENSING UNIT. REFER TO PLANS FOR LOCATION OF INDOOR FAN COIL UNITS. REFER TO TITLE 24 FOR ADDITIONAL INFORMATION.
- K04 FIBER CEMENT BOARD AND BATTEN SIDING, IN COMPLIANCE WITH 2019 CRC R337
- K15 ASPHALT COMPOSITE ROOF SHINGLES. CLASS A FIRE RATING

**MONO COUNTY ADU  
PROTOTYPES**  
MONO COUNTY  
EXTERIOR ELEVATION - RURAL  
MOUNTAIN

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PROJECT MANAGER  
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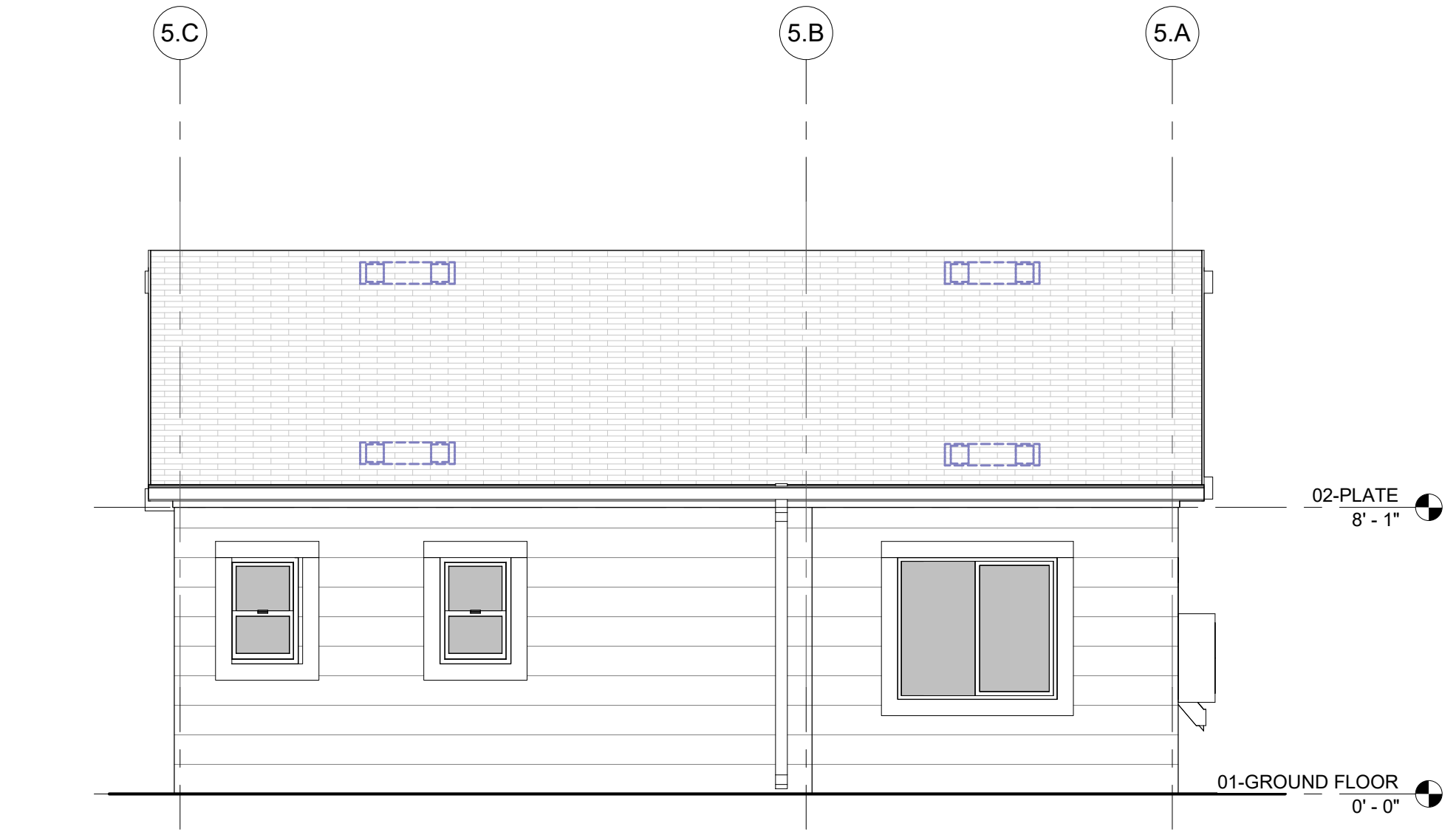
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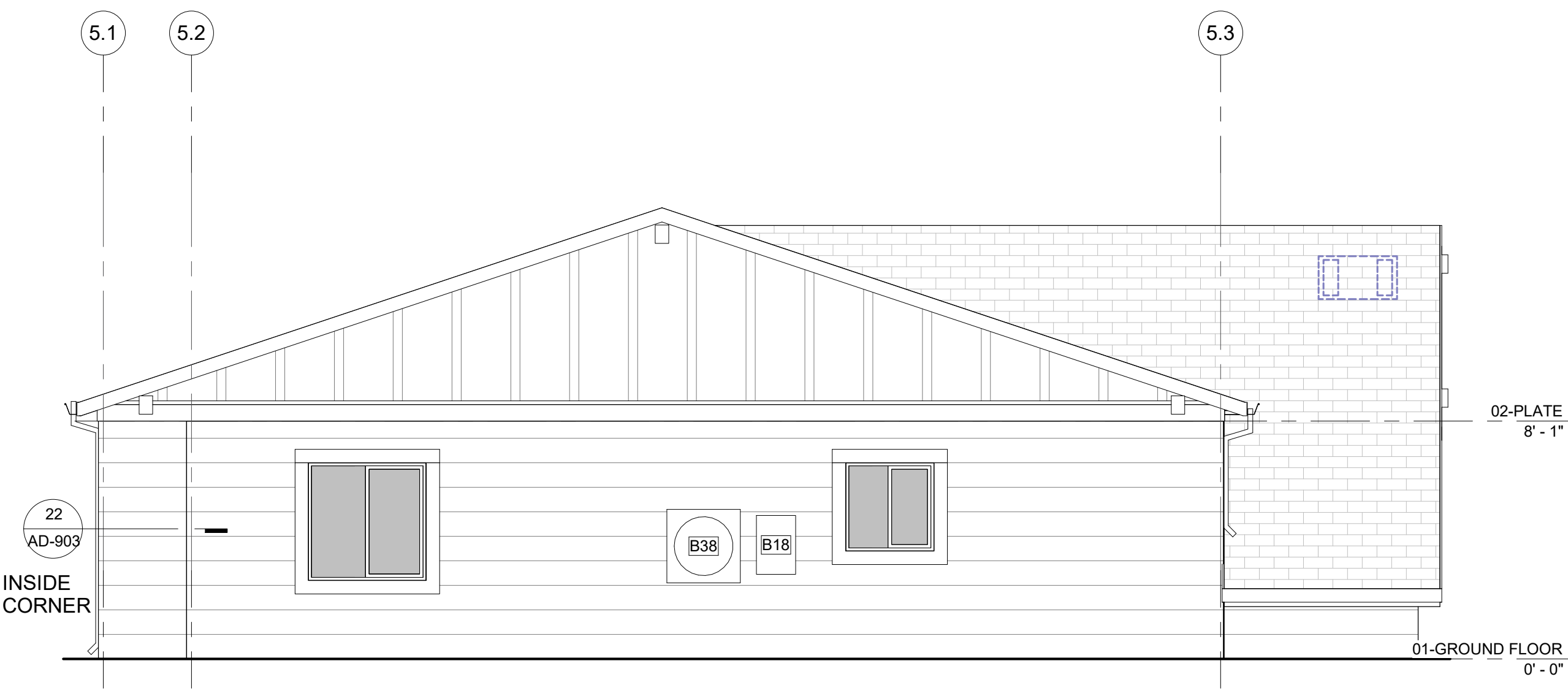
PROJECT NUMBER  
2340-01-CU21

SHEET

**A5-201**



**3 PLAN 5 - RURAL MOUNTAIN - LEFT**  
A5-101 | A5-201 SCALE: 1/4" = 1'-0"



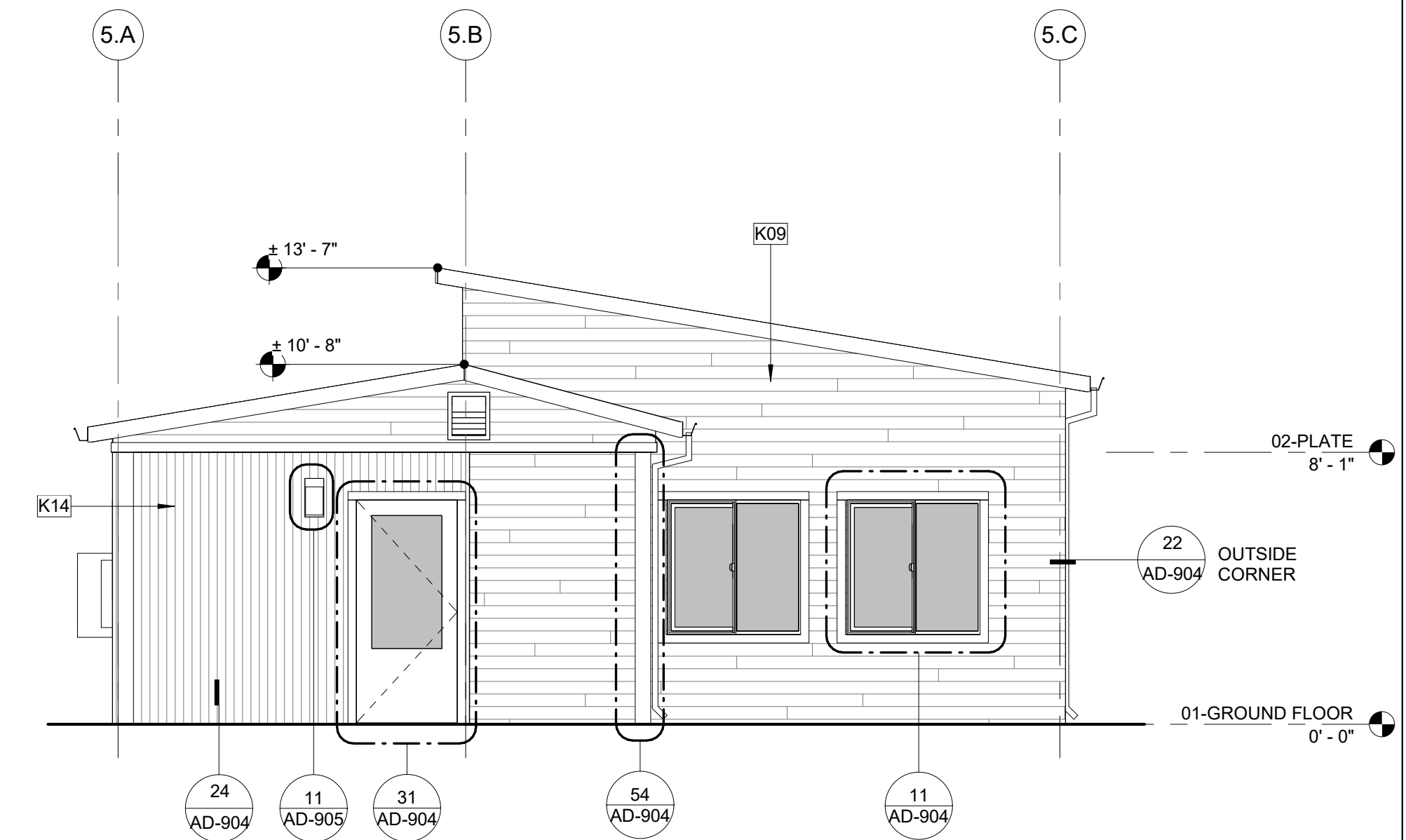
**4 PLAN 5 - RURAL MOUNTAIN - FRONT**  
A5-101 | A5-201 SCALE: 1/4" = 1'-0"

**ELEVATION GENERAL NOTES**

1. REFER TO GENERAL NOTES SHEET G-101 FOR ADDITIONAL REQUIREMENTS.
2. FRAMING ELEVATIONS, INCLUDING FLOOR PLATES AND FLOOR LEVEL ELEVATIONS ARE MEASURED FROM BUILDING FINISH FLOOR, U.N.O.
3. SEE DETAILS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
4. REFER TO ROOF PLAN FOR ROOF PITCH AND OVERHANGS, FASCIA PER DETAILS.
5. SEE ROOF PLAN FOR APPROXIMATE DOWNSPOUT LOCATIONS, U.N.O.
6. REFER TO DOOR AND WINDOW SCHEDULES AND TYPES FOR DOOR AND WINDOW INFORMATION.
7. SEE ELECTRICAL DRAWINGS FOR EXTERIOR LIGHTING.
8. SEE MECHANICAL DRAWINGS FOR GRILLES AND LOUVERS, PAINT TO MATCH ADJACENT FINISH.
9. CONTRACTOR TO VERIFY COLOR SCHEME WITH OWNER BEFORE PERFORMING THE WORK.

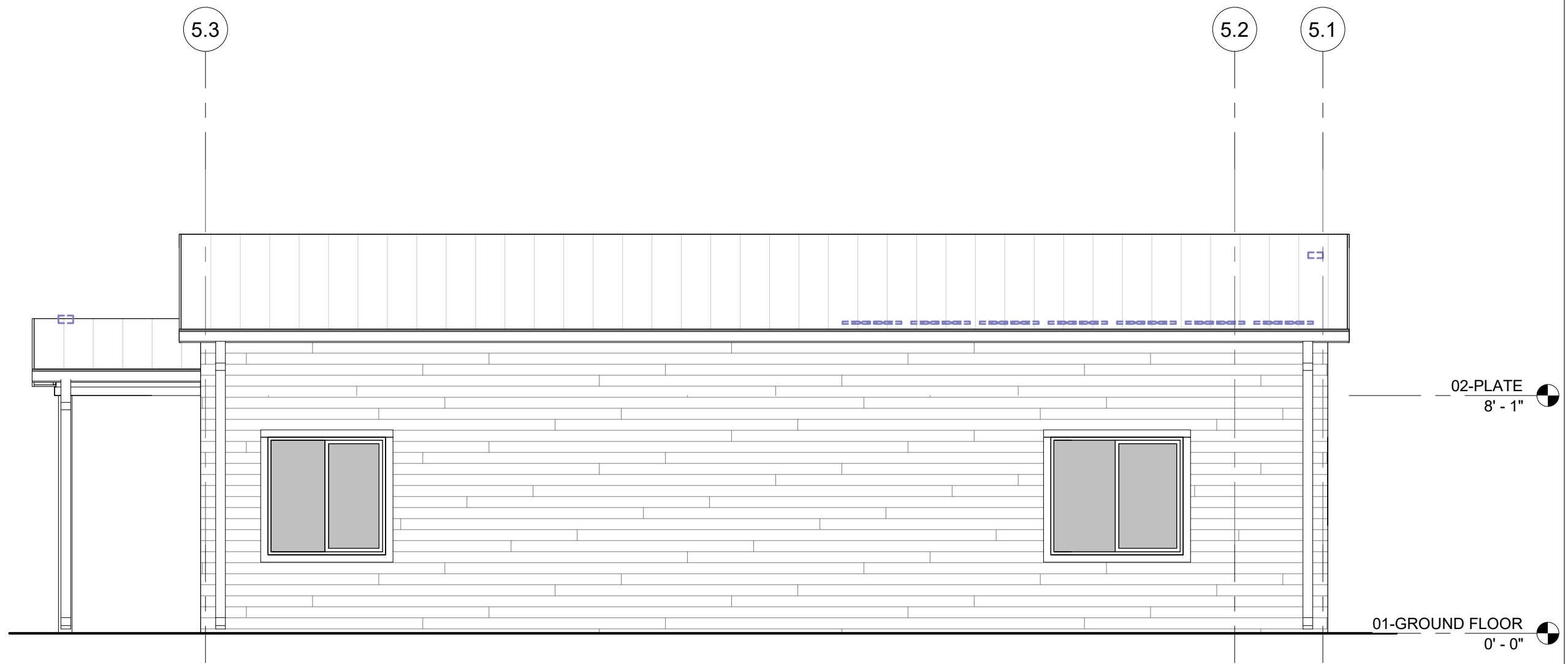
CONSULTANT

AGENCY



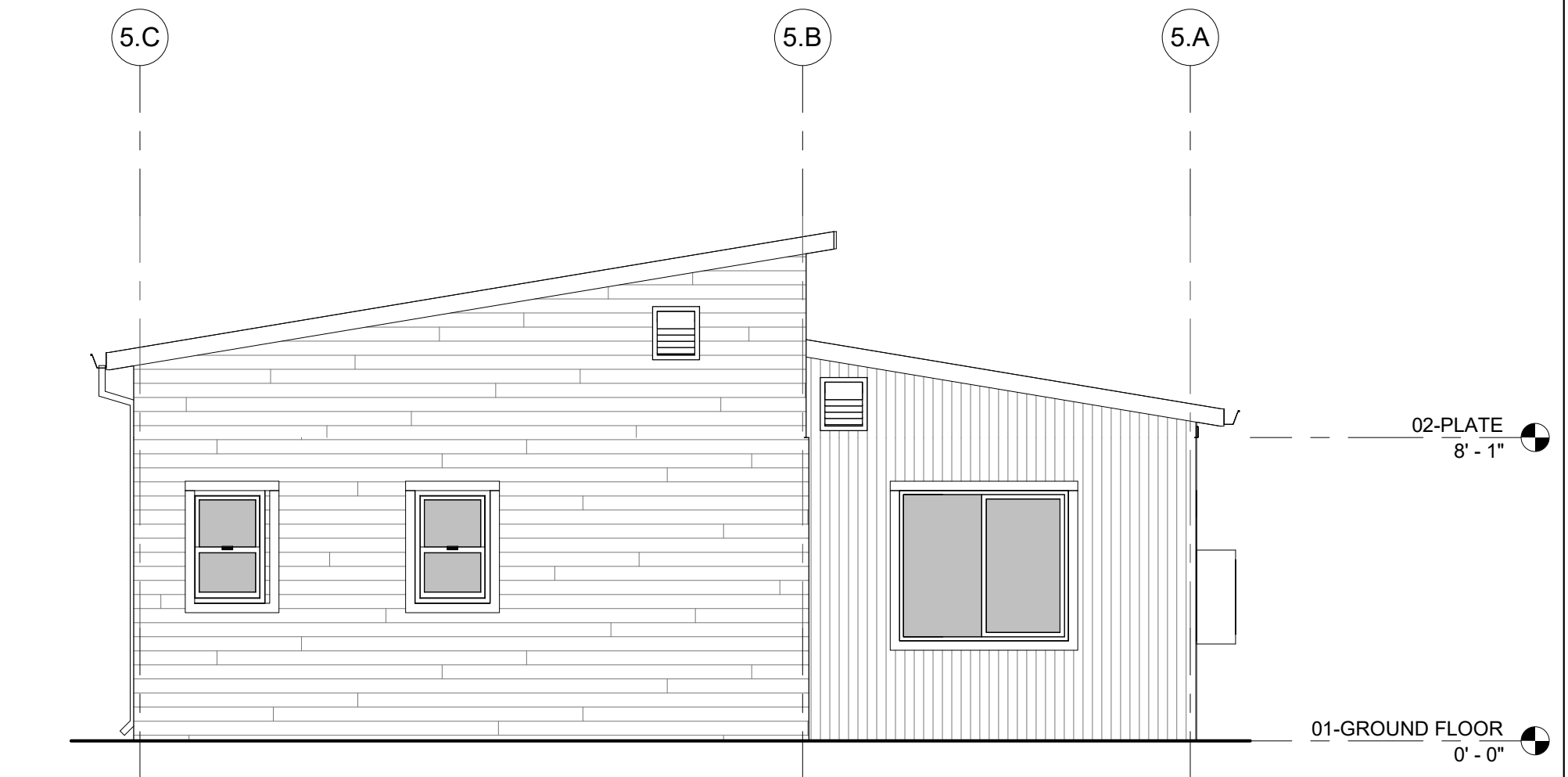
**1 PLAN 5 - HIGH DESERT - RIGHT**

A5-101 | A5-202 SCALE: 1/4" = 1'-0"



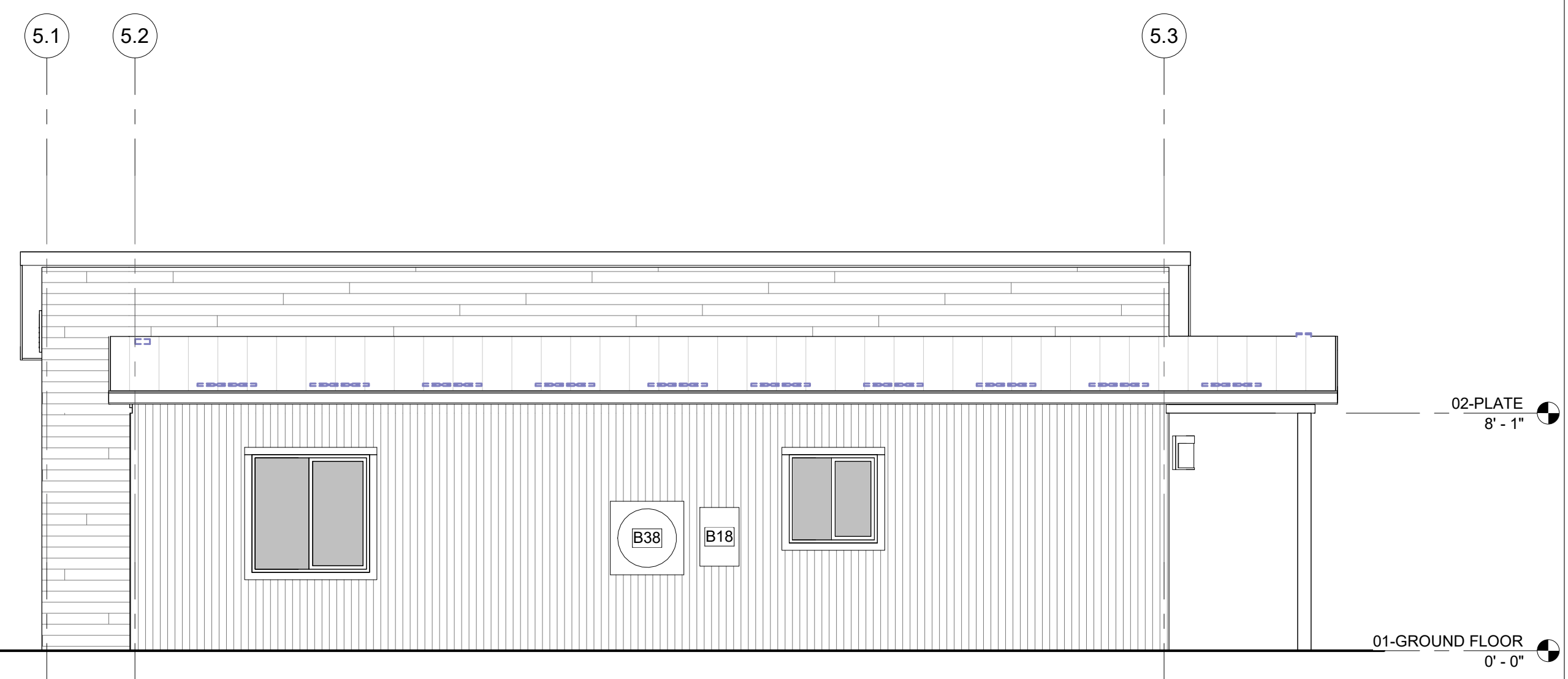
**2 PLAN 5 - HIGH DESERT - REAR**

A5-101 | A5-202 SCALE: 1/4" = 1'-0"



**3 PLAN 5 - HIGH DESERT - LEFT**

A5-101 | A5-202 SCALE: 1/4" = 1'-0"



**4 PLAN 5 - HIGH DESERT - FRONT**

A5-101 | A5-202 SCALE: 1/4" = 1'-0"

**KEYNOTES**

- B18 EXTERIOR RATED ELECTRIC SUB PANEL 80 AMP 120/240 VOLT. CONTRACTOR TO VERIFY MAIN PANEL.
- B38 WALL-MOUNTED MULTI-ZONE HEAT PUMP CONDENSING UNIT. REFER TO PLANS FOR LOCATION OF INDOOR FAN FAN COIL UNITS. REFER TO TITLE 24 FOR ADDITIONAL INFORMATION.
- K09 FIBER CEMENT HORIZONTAL SIDING, IN COMPLIANCE WITH 2019 CRC R337
- K14 CORRUGATED METAL FINISH.

**MONO COUNTY ADU  
PROTOTYPES  
MONO COUNTY**

**EXTERIOR ELEVATION - HIGH  
DESERT**

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**DATE**  
6/30/2022

**PROJECT NUMBER**  
2340-01-CU21

**SHEET**  
A5-202

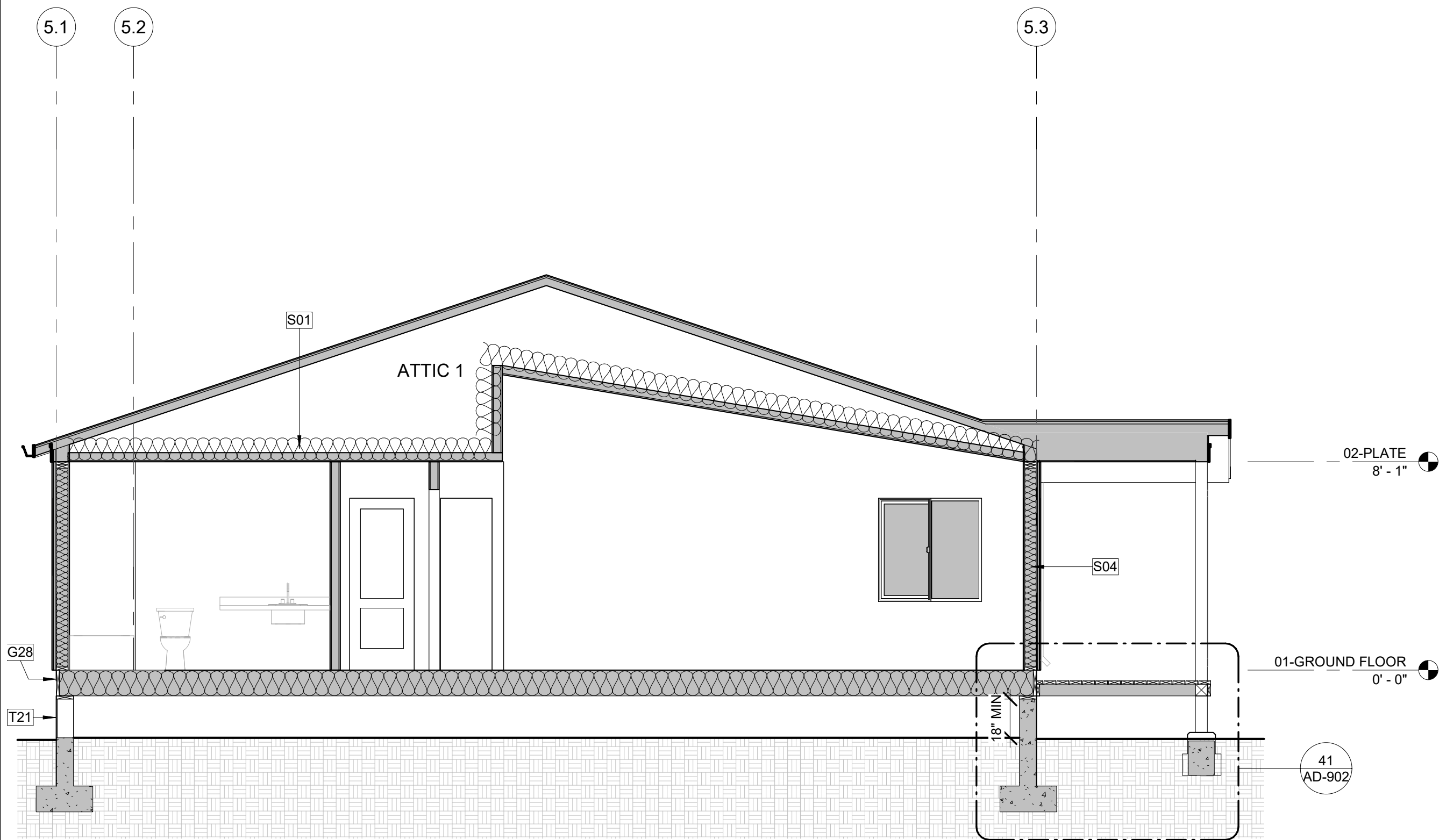
**SECTIONS GENERAL NOTES**

1. THE PURPOSE OF THESE DRAWINGS IS TO SHOW CONSTRUCTION MATERIALS/ASSEMBLIES. FOR SPECIFIC SIZES AND DETAILS REFER TO ARCHITECTURAL PLANS, ELEVATIONS, DETAILS, AND STRUCTURAL PLANS. \*KEYNOTES ONLY APPLY IF REFERENCED ON PLANS.
2. WALL ASSEMBLIES TO BE PER FLOOR PLAN.
3. DOORS AND WINDOWS TO BE PER APPLICABLE SCHEDULE. REFER TO FLOOR PLANS FOR IDENTIFICATION.
4. INSULATION: REFER TO TITLE 24 REPORT AND "INSULATION" NOTES ON SHEET FOR ADDITIONAL RATINGS, REQUIREMENTS, AND INFORMATION.
5. FIREBLOCKING TO BE LOCATED AT THE FOLLOWING LOCATIONS PER 2019 **CRC SECTION R302.11**:

- A. SECTION R302.11 -**
1. FIREBLOCKING SHALL BE PROVIDED IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES AND PARALLEL ROWS OF STUDS OR STAGGERED STUDS, AS FOLLOWS:
    1. VERTICALLY AT CEILING AND FLOOR LEVELS
    2. HORIZONTALLY AT INTERVALS NOT EXCEEDING 10 FEET.
  2. AT INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS SOFFITS, DROP CEILINGS AND COVE CEILINGS.
  3. IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN. ENCLOSED SPACES UNDER STAIRS SHALL COMPLY WITH **SECTION R302.7**.
  4. AT OPENINGS AROUND VENTS, PIPES, DUCTS, CABLES AND WIRES AT CEILINGS AND FLOOR LEVEL, WITH AN APPROVED MATERIAL TO RESIST THE FREE PASSAGE OF FLAME PRODUCTS OF COMBUSTION. THE MATERIAL FILLING THIS ANNULAR SPACE SHALL NOT BE REQUIRED TO MEET THE ASTM E 136 REQUIREMENTS.
  5. FOR THE FIREBLOCKING OF CHIMNEYS AND FIREPLACES, SEE **SECTION R1003.19**.
  6. FIREBLOCKING OF CORNICES OF A TWO-FAMILY DWELLING IS REQUIRED AT THE LINE OF DWELLING-UNIT SEPARATION.
- A. SECTION R302.11.1 - FIREBLOCKING MATERIALS SHALL CONSIST OF FOLLOWING MATERIALS:**
1. TWO-INCH NOMINAL LUMBER
  2. TWO THICKNESSES OF ONE-INCH NOMINAL LUMBER WITH BROKEN LAP JOINTS
  3. THE THICKNESS OF 0.719-INCH WOOD STRUCTURAL PANELS WITH JOINTS BACKED BY 0.719-INCH WOOD STRUCTURAL PANELS
  4. THE THICKNESS OF 0.75-INCH PARTICLE BOARD WITH JOINTS BACKED BY 0.75-INCH PARTICLE BOARD
  5. ONE-HALF-INCH GYPSUM BOARD
  6. ONE-FOURTH-INCH CEMENT-BASED MILLBOARD
  7. BATTES OR BLANKETS OF MINERAL WOOL, MINERAL FIBER OR OTHER APPROVED MATERIAL INSTALLED IN SUCH A MANNER AS TO BE SECURELY RETAINED IN PLACE
  8. CELLULOSE INSULATION INSTALLED AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263, FOR THE SPECIFIC APPLICATION.
4. PER 2019 **CRC SECTION R317** SLEEPERS AND SILLS ON A CONCRETE OR MASONRY SLAB THAT IS IN DIRECT CONTACT WITH GROUND, UNLESS SEPARATED BY AN IMPERVIOUS MOISTURE BARRIER SHALL BE NATURALLY DURABLE OR PRESERVATIVE-TREATED WOOD.

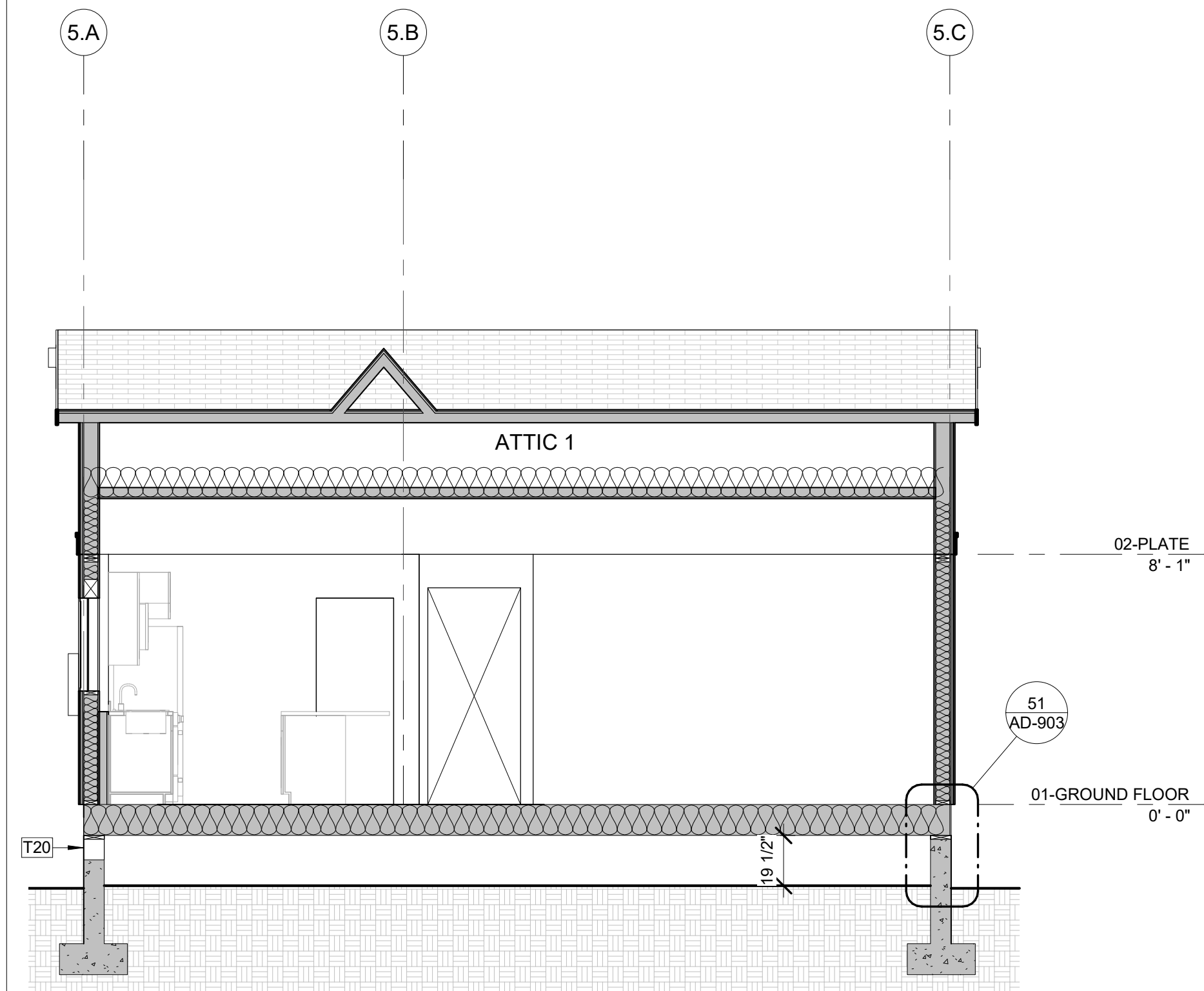
CONSULTANT

AGENCY



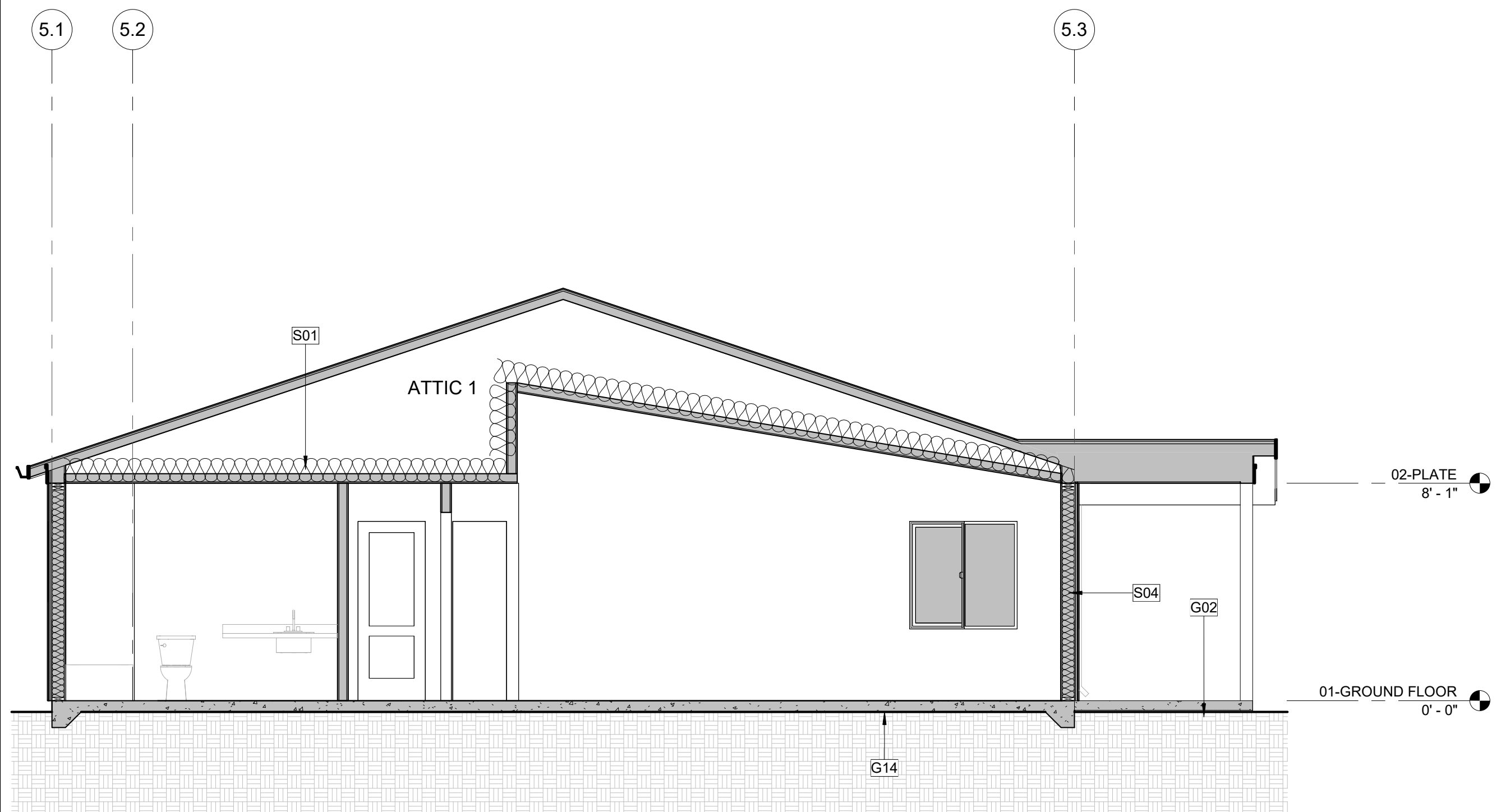
**4 PLAN 5 - RM - SECTION 1 - RAISED FOUNDATION**

A5-301 SCALE: 1/4" = 1'-0"



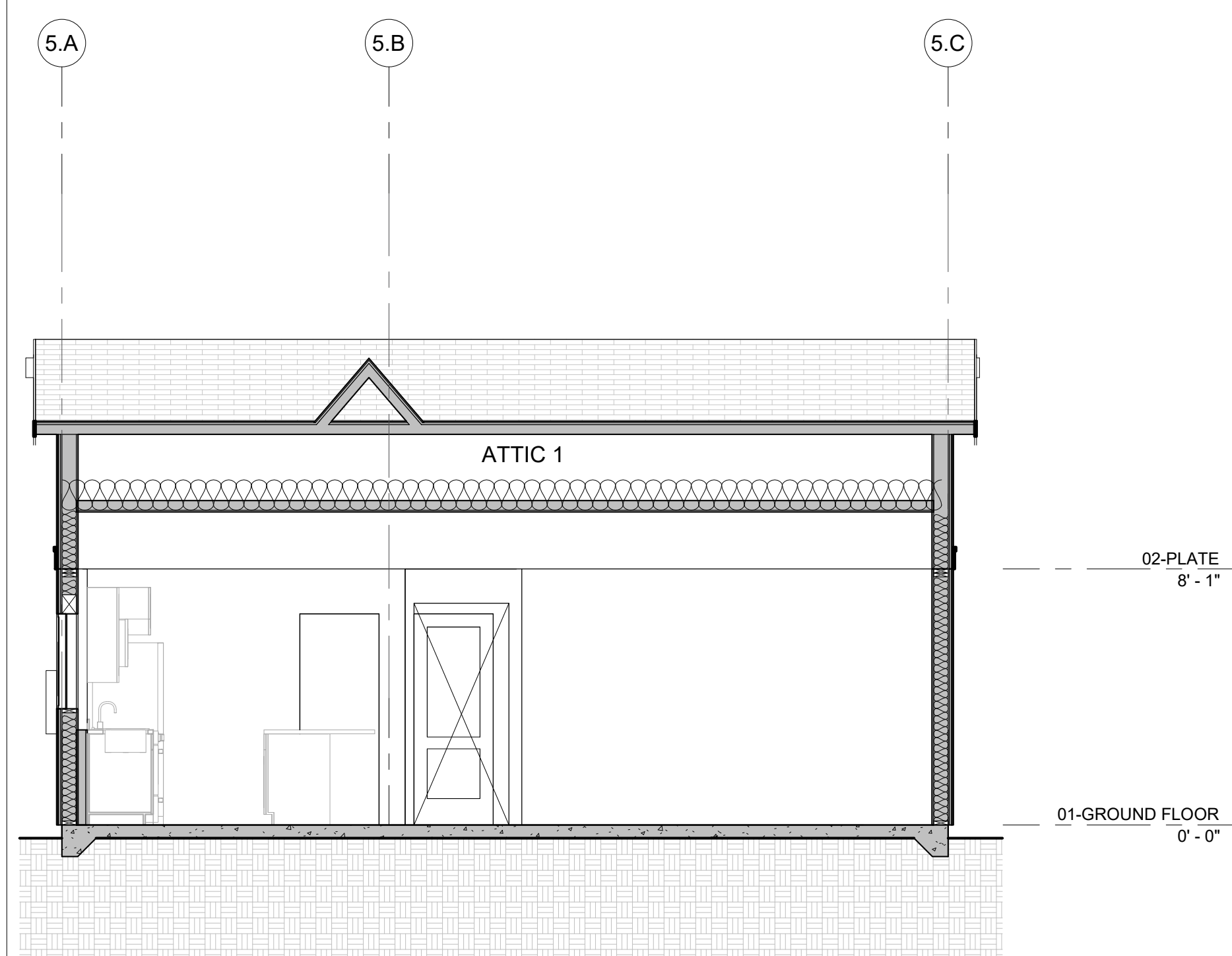
**3 PLAN 5 - RM - SECTION 2 - RAISED FOUNDATION**

A5-301 SCALE: 1/4" = 1'-0"



**1 PLAN 5 - RM - SECTION 1 - SLAB-ON-GRADE**

A5-101 | A5-301 SCALE: 1/4" = 1'-0"



**2 PLAN 5 - RM - SECTION 2 - SLAB-ON-GRADE**

A5-101 | A5-301 SCALE: 1/4" = 1'-0"

**KEYNOTES**

- G02 AT [SLAB ON GRADE] CONCRETE FLATWORK. 1/4"/FT SLOPE AWAY FROM BUILDING. AT (RAISED FOUNDATION) 2X COMPOSITE IGNITION RESISTANT DECKING, TREX OR EQUAL OVER 4X8 PT WOOD JOISTS @ 16" O.C. REFER TO DETAILS 41, 51, 52, 54 SHEET AD-902.
- G14 4" CONCRETE SLAB ON GRADE. REFER TO STRUCTURAL PLANS
- G28 RAISED FLOOR FOUNDATION. REFER TO STRUCTURAL.
- S01 CEILING INSULATION. REFER TO TITLE 24 (R-38 MIN.)
- S04 2X6 WALL INSULATION. REFER TO TITLE 24 (R-21 MIN.)
- T20 FOUNDATION VENTS @ STEM WALL TO BE LOCATED AS APPROPRIATE ON SITE PER CONTRACTOR. REFER TO FOUNDATION CALCS ON BUILDING SECTIONS FOR NUMBER OF VENTS REQUIRED. REFER TO G-101 FOR ADDITIONAL VENTILATION REQUIREMENTS.
- T21 CRAWL SPACE ACCESS PANEL. MINIMUM 18" X 24" PER CBC 1208.1. LOCATION DETERMINED ON SITE PER CONTRACTOR.

**FOUNDATION VENTING CALCS**

**NOTE:**  
PER 2019 **CBC 1202.4**, THE SPACE BETWEEN THE BOTTOM OF THE FLOOR JOISTS AND THE EARTH UNDER ANY BUILDING EXCEPT SPACES OCCUPIED BY BASEMENTS OR CELLARS SHALL BE PROVIDED WITH VENTILATION. REFER TO UNDER-FLOOR VENTING NOTES ON SHEET G-101 FOR ADDITIONAL INFORMATION.

UNDER-FLOOR CALCULATION FORMULA  
NFA OF AIR MOVEMENT PER VENT = 62 SQ.IN./144 IN./FT = 0.430 SF  
\*VENTS PROVIDED\* = (451/150) / 0.430 SF

VENT PRODUCT INFO

VENT MANUFACTURER: VULCAN VENTS  
PRODUCT: 8" X 14" FLANGE FRONT OR APPROVED EQUAL  
[WWW.VULCANVENTS.COM](http://WWW.VULCANVENTS.COM)

VENTING-FOUNDATION - CALCULATION - PLAN 5			
UNDER-FLOOR AREA (SF)	REQUIRED FOUNDATION VENTING @ 1/150	FOUNDATION VENTS REQUIRED	FOUNDATION VENTS PROPOSED
1033 SF	6.886667	17	

VENTING-PORCH - CALCULATION - PLAN 5 - RURAL MOUNTAIN				
LOCATION	BALCONY AREA (SF)	REQUIRED BALCONY VENTING @ 1/150	VENT LENGTH REQUIRED (FT)	VENT LENGTH PROPOSED
ENTRY	186 SF	1.241727	3	3

**MONO COUNTY ADU  
PROTOTYPES**  
MONO COUNTY  
BUILDING SECTIONS - RURAL  
MOUNTAIN

NO.	REVISION	DATE
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**PROJECT MANAGER**  
RR

**DRAWN BY** \_\_\_\_\_ **CHECKED BY** \_\_\_\_\_

**DATE**  
6/30/2022

**PROJECT NUMBER**  
2340-01-CU21

**SHEET**

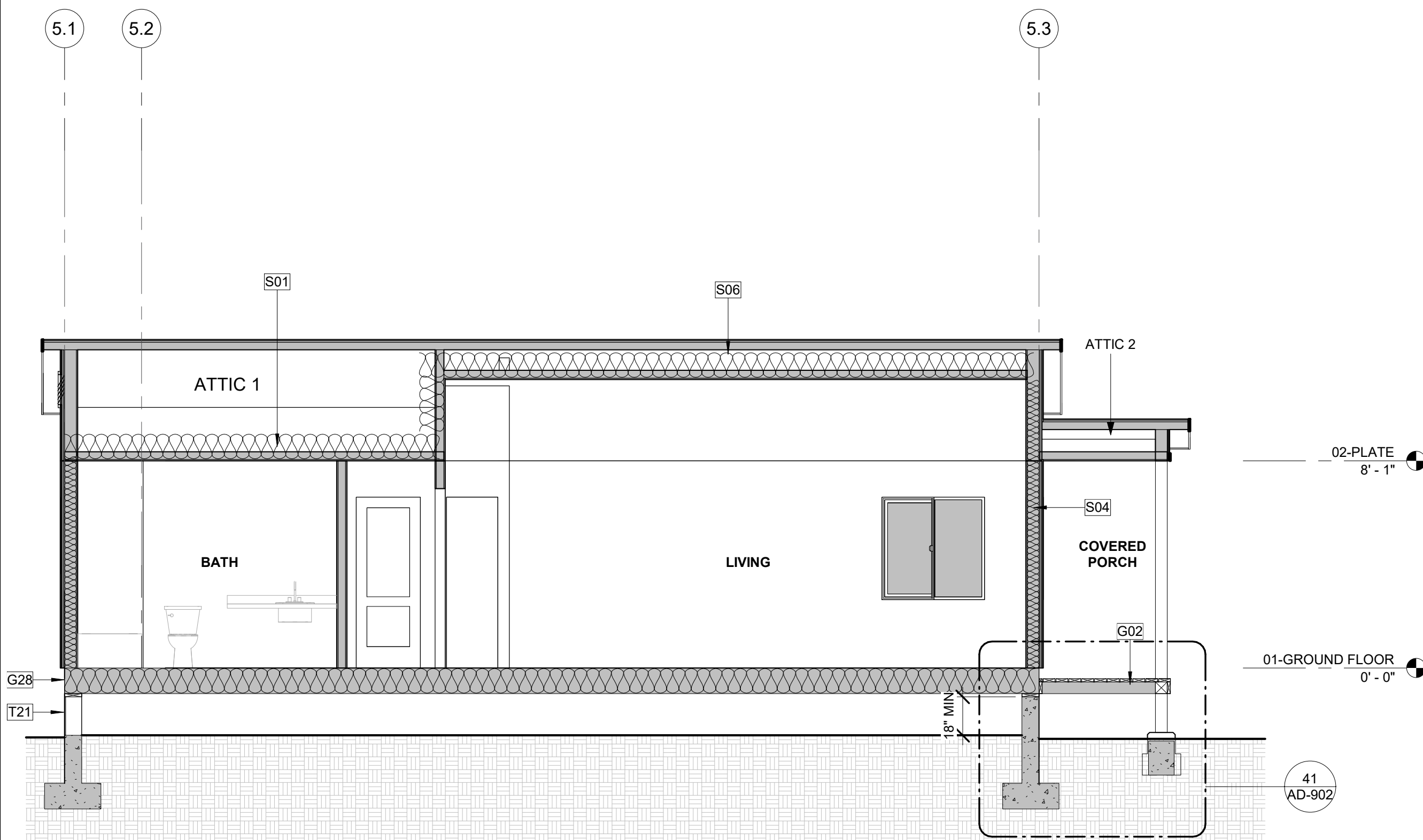
**A5-301**

**SECTIONS GENERAL NOTES**

- THE PURPOSE OF THESE DRAWINGS IS TO SHOW CONSTRUCTION MATERIALS/ASSEMBLIES. FOR SPECIFIC SIZES AND DETAILS REFER TO ARCHITECTURAL PLANS, ELEVATIONS, DETAILS, AND STRUCTURAL PLANS. \*KEYNOTES ONLY APPLY IF REFERENCED ON PLANS.
  - WALL ASSEMBLIES TO BE PER FLOOR PLAN.
  - DOORS AND WINDOWS TO BE PER APPLICABLE SCHEDULE. REFER TO FLOOR PLANS FOR IDENTIFICATION.
  - INSULATION: REFER TO TITLE 24 REPORT AND "INSULATION" NOTES ON SHEET FOR ADDITIONAL RATINGS, REQUIREMENTS, AND INFORMATION.
  - FIREBLOCKING TO BE LOCATED AT THE FOLLOWING LOCATIONS PER 2019 **CRC SECTION R302.11**:
    - SECTION R302.11 -** FIREBLOCKING SHALL BE PROVIDED IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES AND PARALLEL ROWS OF STUDS OR STAGGERED STUDS, AS FOLLOWS:
      - VERTICALLY AT CEILING AND FLOOR LEVELS
      - HORIZONTALLY AT INTERVALS NOT EXCEEDING 10 FEET.
    - AT INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS SOFFITS, DROP CEILINGS AND COVE CEILINGS.
    - IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN. ENCLOSED SPACES UNDER STAIRS SHALL COMPLY WITH **SECTION R302.7**.
    - AT OPENINGS AROUND VENTS, PIPES, DUCTS, CABLES AND WIRES AT CEILINGS AND FLOOR LEVEL, WITH AN APPROVED MATERIAL TO RESIST THE FREE PASSAGE OF FLAME PRODUCTS OF COMBUSTION. THE MATERIAL FILLING THIS ANNULAR SPACE SHALL NOT BE REQUIRED TO MEET THE ASTM E 136 REQUIREMENTS.
    - FOR THE FIREBLOCKING OF CHIMNEYS AND FIREPLACES, SEE **SECTION R1003.19**.
    - FIREBLOCKING OF CORNICES OF A TWO-FAMILY DWELLING IS REQUIRED AT THE LINE OF DWELLING-UNIT SEPARATION.
- A. SECTION R302.11.1 - FIREBLOCKING MATERIALS SHALL CONSIST OF FOLLOWING MATERIALS:**
- TWO-INCH NOMINAL LUMBER
  - TWO THICKNESSES OF ONE-INCH NOMINAL LUMBER WITH BROKEN LAP JOINTS
  - THE THICKNESS OF 0.719-INCH WOOD STRUCTURAL PANELS WITH JOINTS BACKED BY 0.719-INCH WOOD STRUCTURAL PANELS
  - THE THICKNESS OF 0.75-INCH PARTICLE BOARD WITH JOINTS BACKED BY 0.75-INCH PARTICLE BOARD
  - ONE-HALF-INCH GYPSUM BOARD
  - ONE-FOURTH-INCH CEMENT-BASED MILLBOARD
  - BATTS OR BLANKETS OF MINERAL WOOL, MINERAL FIBER OR OTHER APPROVED MATERIAL INSTALLED IN SUCH A MANNER AS TO BE SECURELY RETAINED IN PLACE
  - CELLULOSE INSULATION INSTALLED AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263, FOR THE SPECIFIC APPLICATION.
4. PER 2019 **CRC SECTION R317** SLEEPERS AND SILLS ON A CONCRETE OR MASONRY SLAB THAT IS IN DIRECT CONTACT WITH GROUND, UNLESS SEPARATED BY AN IMPERVIOUS MOISTURE BARRIER SHALL BE NATURALLY DURABLE OR PRESERVATIVE-TREATED WOOD.

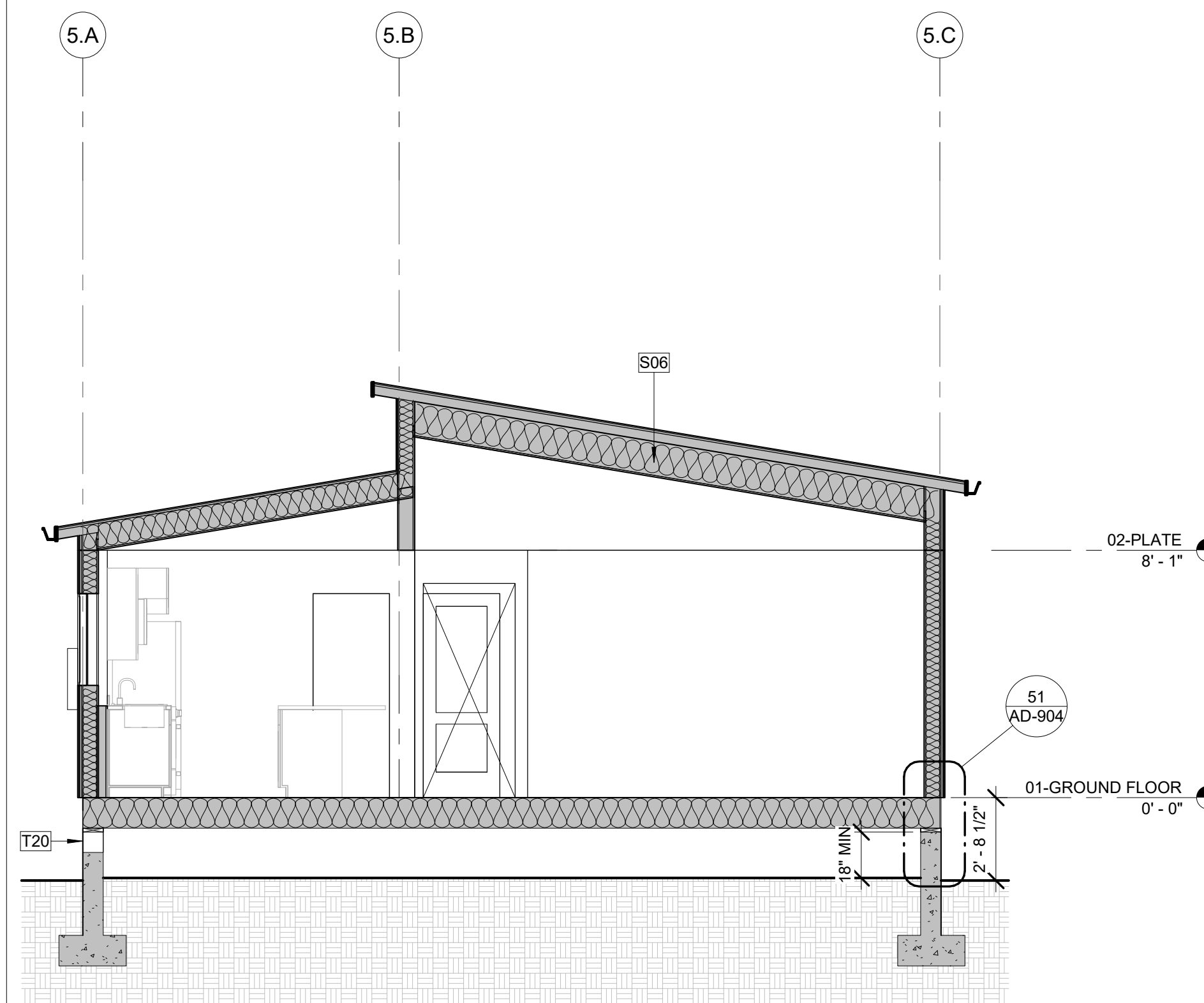
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AGENCY



**2 PLAN 5 - HD - SECTION 1 - RAISED FOUNDATION**

A5-302 SCALE: 1/4" = 1'-0"



**4 PLAN 5 - HD - SECTION 2 - RAISED FOUNDATION**

A5-302 SCALE: 1/4" = 1'-0"

**KEYNOTES**

- G02 AT [SLAB ON GRADE] CONCRETE FLATWORK. 1/4"/FT SLOPE AWAY FROM BUILDING. AT (RAISED FOUNDATION) 2X COMPOSITE IGNITION RESISTANT DECKING, TREX OR EQUAL OVER 4X8 PT WOOD JOISTS @ 16" O.C. REFER TO DETAILS 41, 51, 52, 54 SHEET AD-902.
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- G28 RAISED FLOOR FOUNDATION. REFER TO STRUCTURAL PLANS
- S01 CEILING INSULATION. REFER TO TITLE 24 (R-38 MIN.)
- S04 2X6 WALL INSULATION. REFER TO TITLE 24 (R-21 MIN.)
- S06 ROOF INSULATION. UNVENTED ROOF PER CRC 806.5. REFER TO 41/AD-904 FOR DETAIL.
- T20 FOUNDATION VENTS @ STEM WALL TO BE LOCATED AS APPROPRIATE ON SITE PER CONTRACTOR. REFER TO FOUNDATION CALCS ON BUILDING SECTIONS FOR NUMBER OF VENTS REQUIRED. REFER TO G-101 FOR ADDITIONAL VENTILATION REQUIREMENTS.
- T21 CRAWL SPACE ACCESS PANEL. MINIMUM 18" X 24" PER CBC 1208.1. LOCATION DETERMINED ON SITE PER CONTRACTOR.

**FOUNDATION VENTING CALCS**

**NOTE:**  
PER 2019 **CBC 1202.4**, THE SPACE BETWEEN THE BOTTOM OF THE FLOOR JOISTS AND THE EARTH UNDER ANY BUILDING EXCEPT SPACES OCCUPIED BY BASEMENTS OR CELLARS SHALL BE PROVIDED WITH VENTILATION. REFER TO UNDER-FLOOR VENTING NOTES ON SHEET G-101 FOR ADDITIONAL INFORMATION.

UNDER-FLOOR CALCULATION FORMULA  
NFA OF AIR MOVEMENT PER VENT = 62 SQ.IN./144 IN./FT = 0.430 SF  
\*VENTS PROVIDED\* = (451/150) / 0.430 SF

VENT PRODUCT INFO

VENT MANUFACTURER: VULCAN VENTS  
PRODUCT: 8" X 14" FLANGE FRONT OR APPROVED EQUAL  
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VENTING-FOUNDATION - CALCULATION - PLAN 5			
UNDER-FLOOR AREA (SF)	REQUIRED FOUNDATION VENTING @ 1/150	FOUNDATION VENTS REQUIRED	FOUNDATION VENTS PROPOSED
1033 SF	6.886667	17	

VENTING-PORCH - CALCULATION - PLAN 5 - HIGH DESERT				
LOCATION	BALCONY AREA (SF)	REQUIRED BALCONY VENTING @ 1/150	VENT LENGTH REQUIRED (FT)	VENT LENGTH PROPOSED
ENTRY	79 SF	0.527778	2	2

**MONO COUNTY ADU  
PROTOTYPES**  
 MONO COUNTY  
**BUILDING SECTIONS - HIGH  
DESERT**

NO.	REVISION	DATE

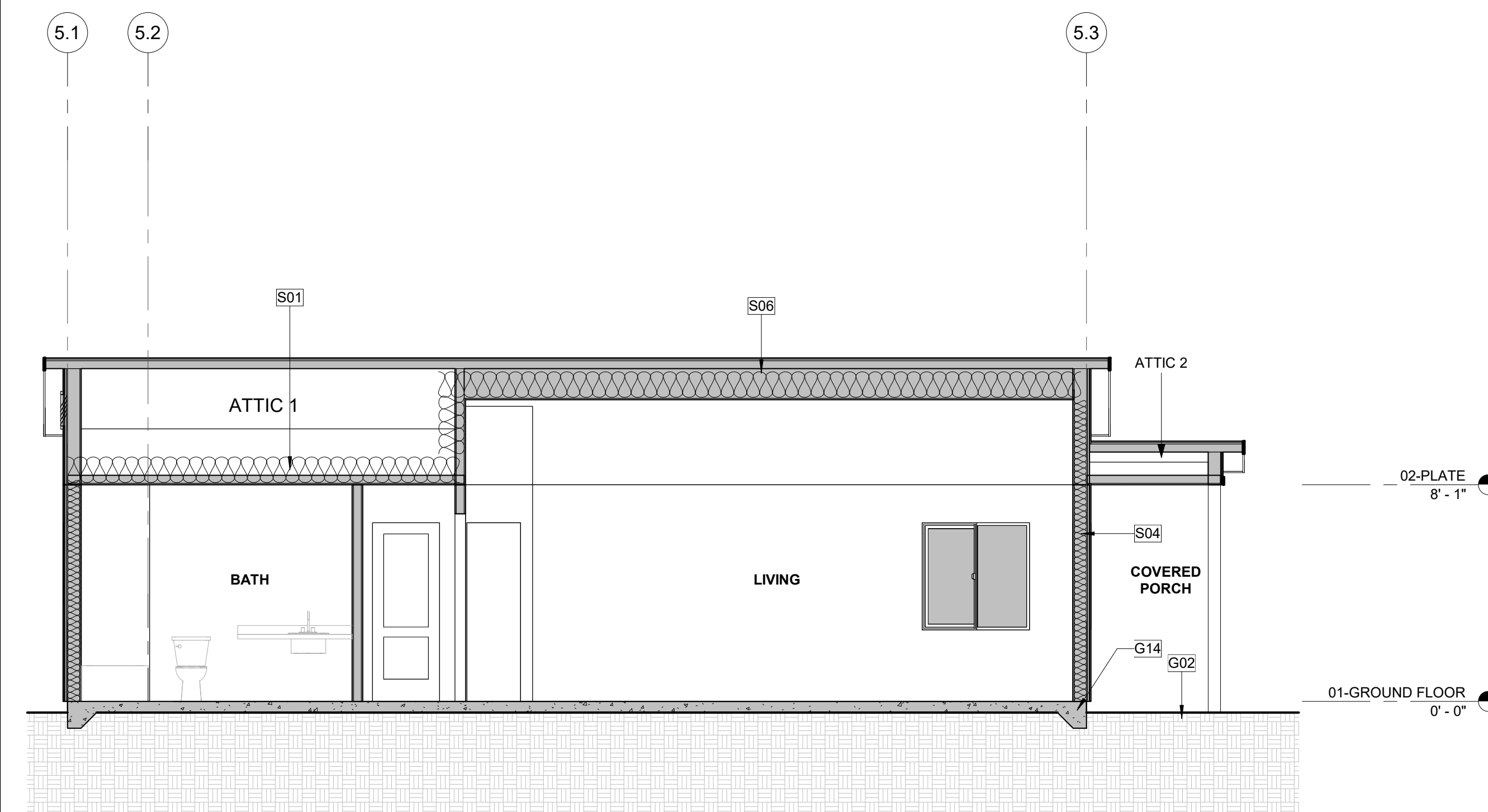
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6/30/2022

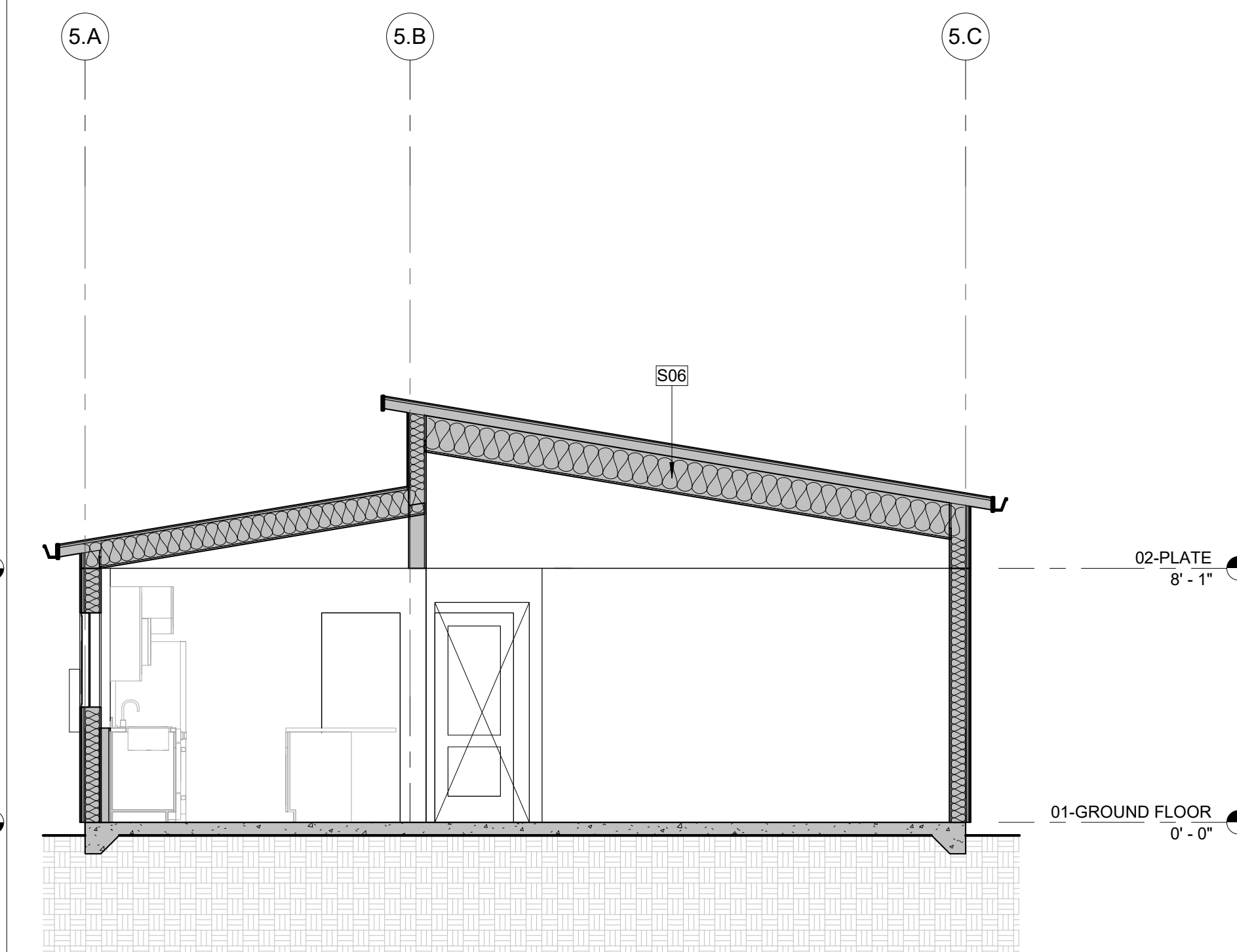
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2340-01-CU21

SHEET



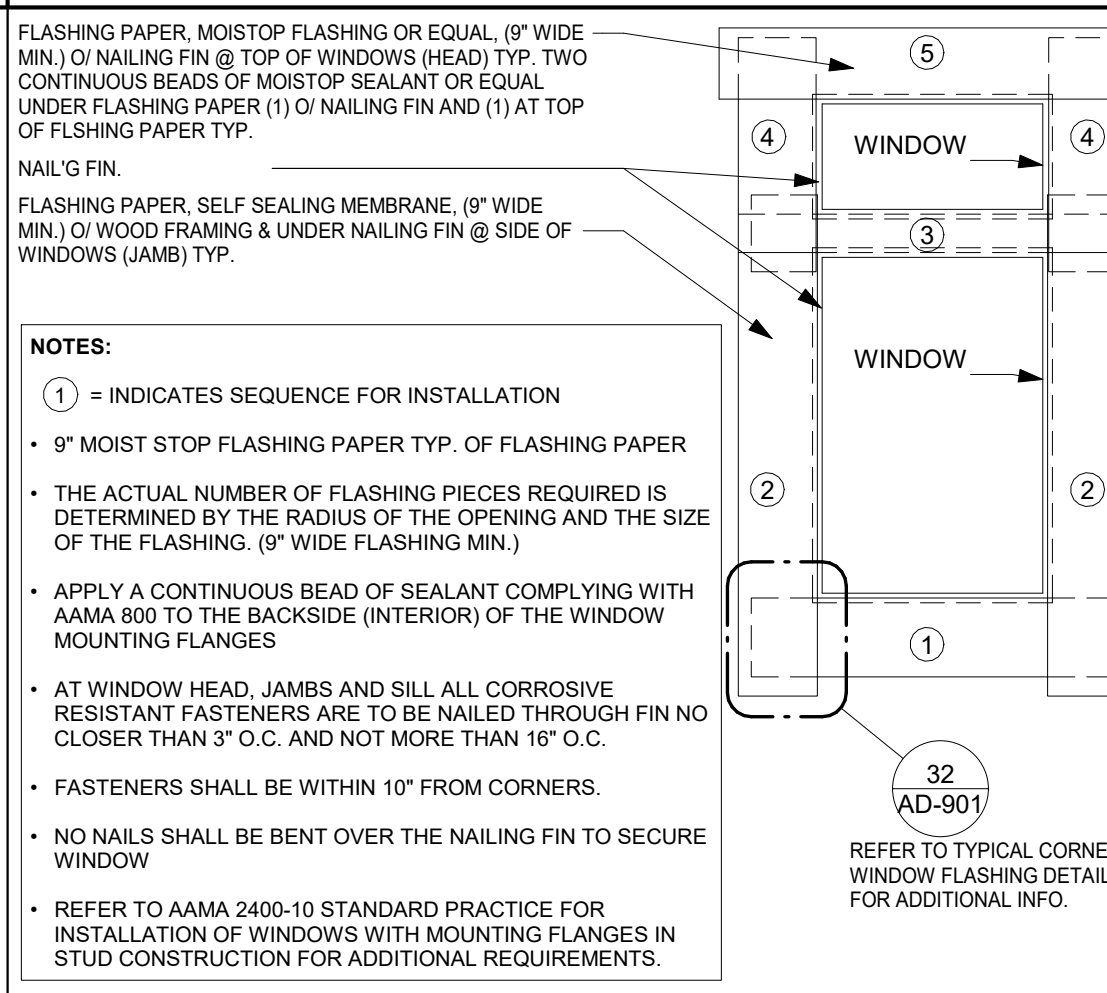
**1 PLAN 5 - HD - SECTION 1 - SLAB-ON-GRADE**

A5-101 | A5-302 SCALE: 1/4" = 1'-0"



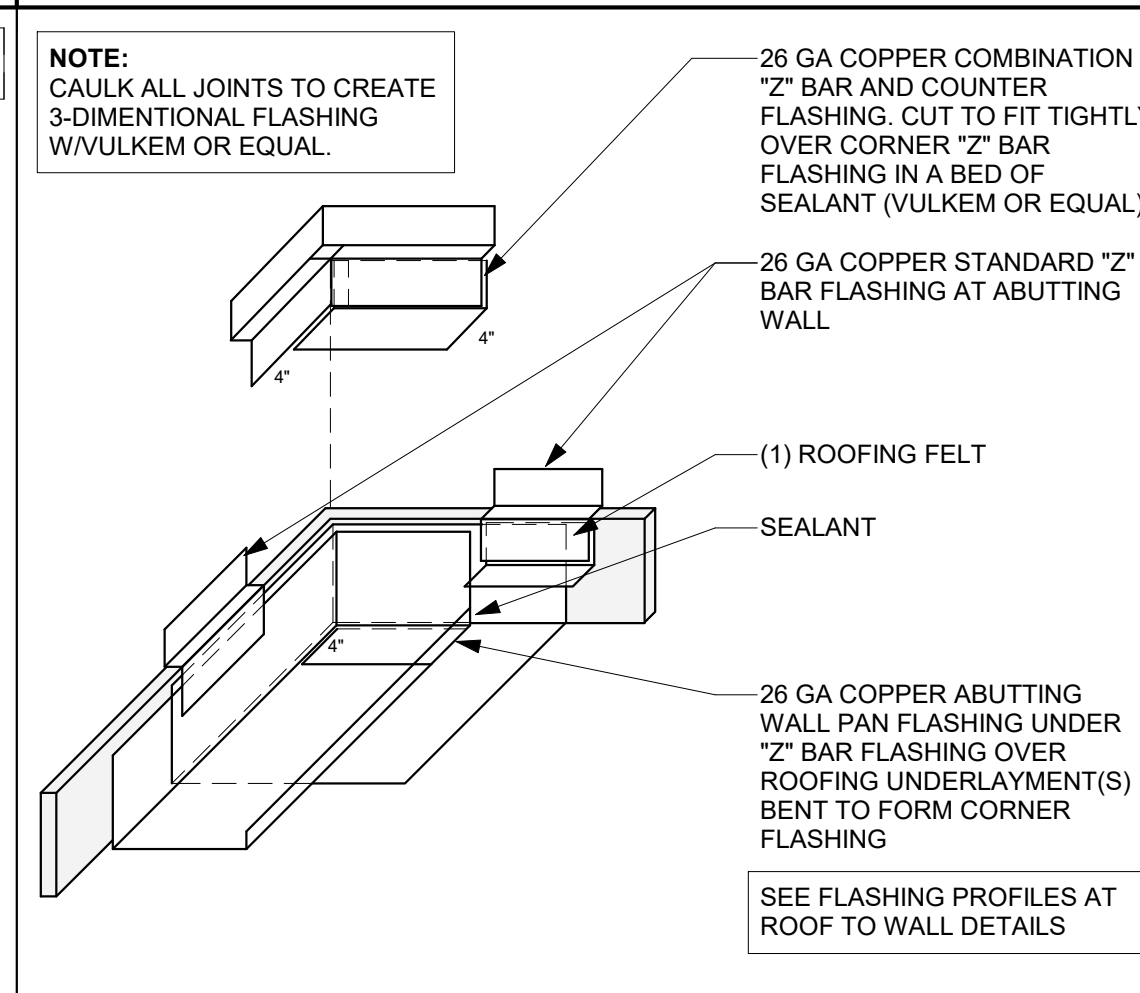
**3 PLAN 5 - HD - SECTION 2 - SLAB-ON-GRADE**

A5-101 | A5-302 SCALE: 1/4" = 1'-0"



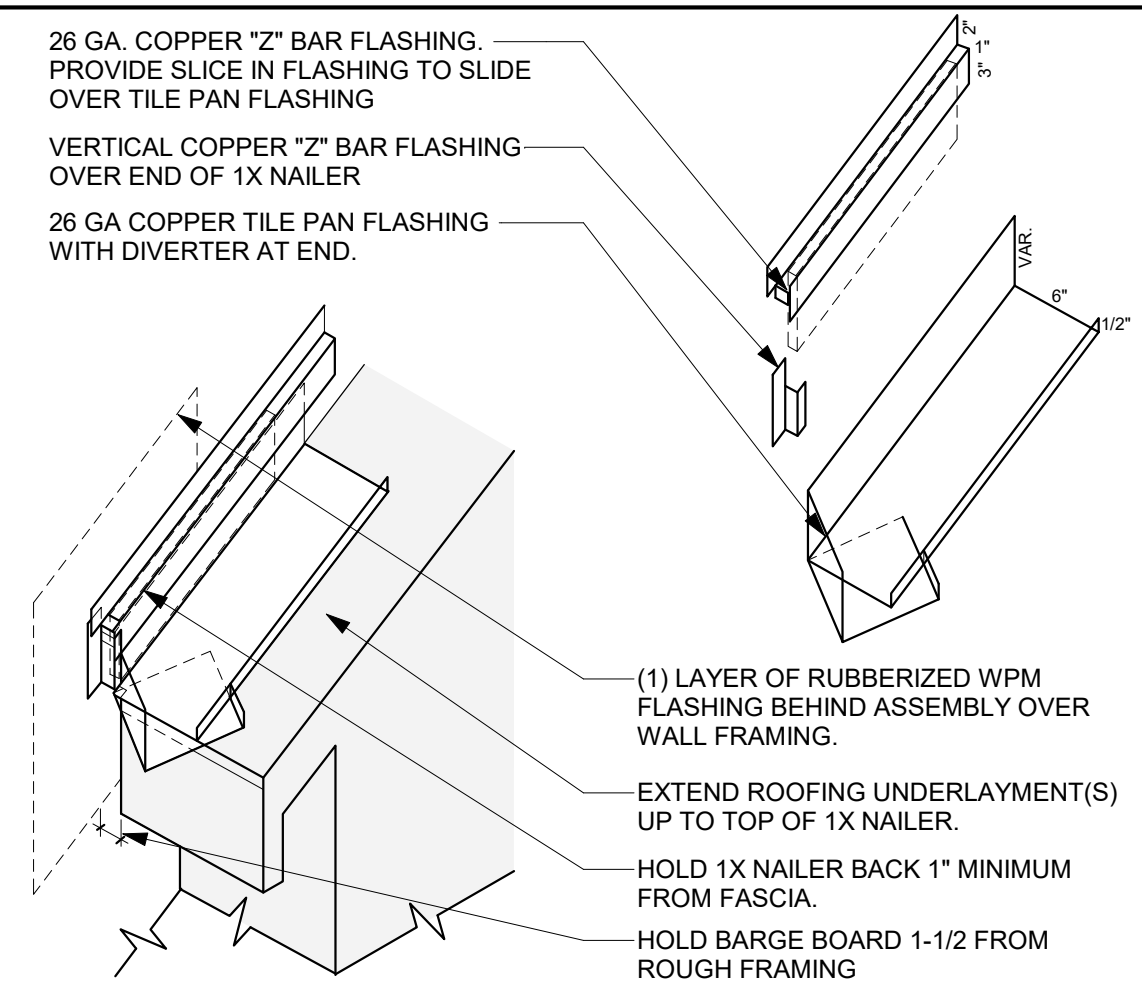
**31 FLASHING - WINDOW TYP.**

SCALE: 1/2" = 1'-0"



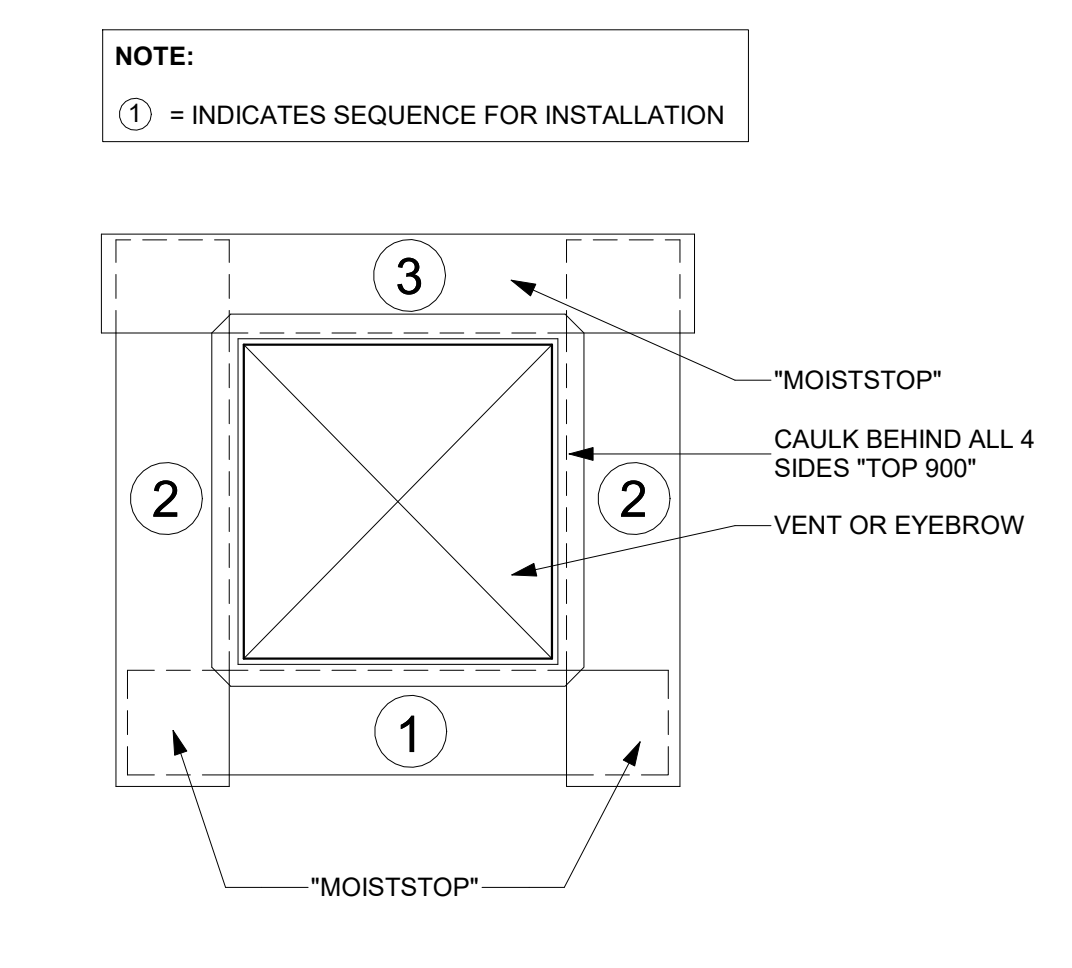
**21 ROOF TO WALL TYP. FLASHING 5**

SCALE: 3" = 1'-0"



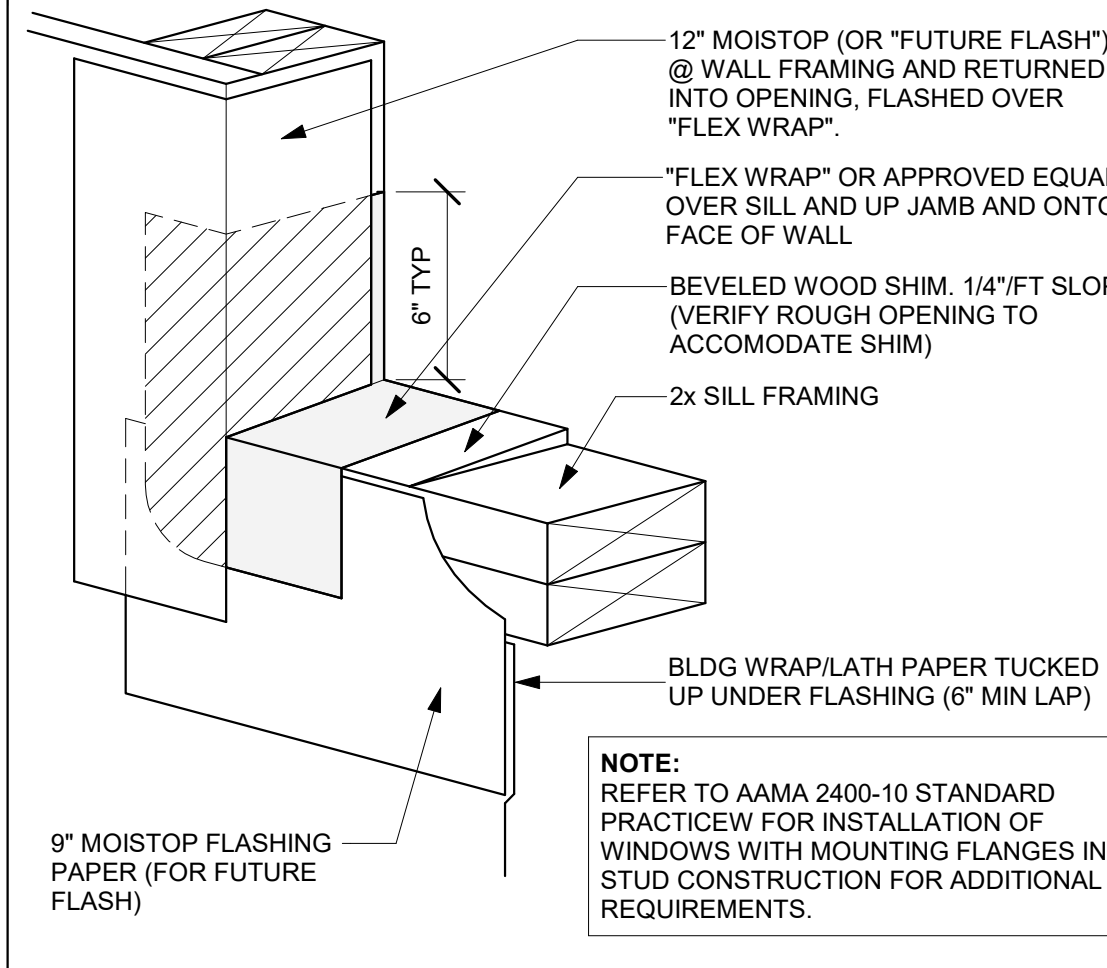
**11 ROOF TO WALL TYP. FLASHING 1**

SCALE: 6" = 1'-0"



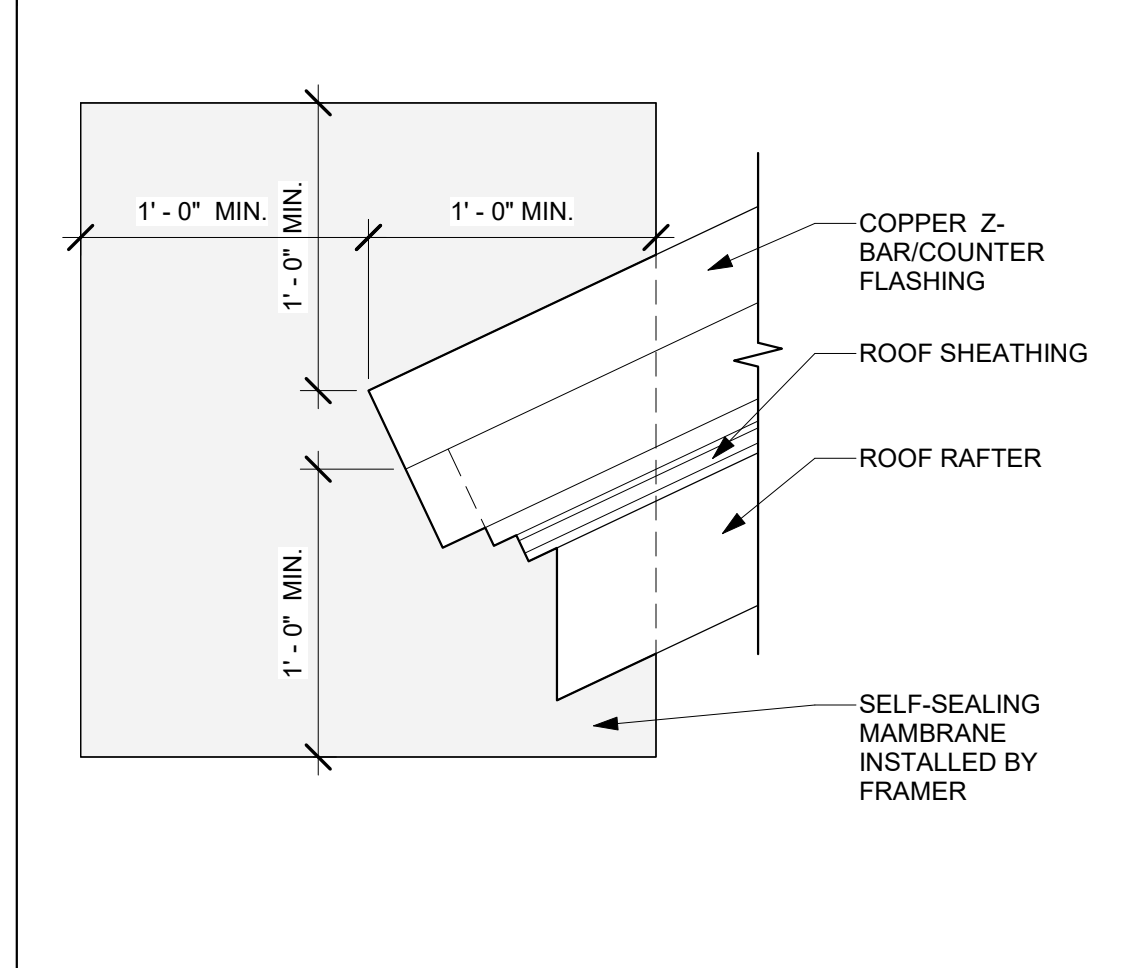
**42 FLASHING - G.I. VENT**

SCALE: 1" = 1'-0"



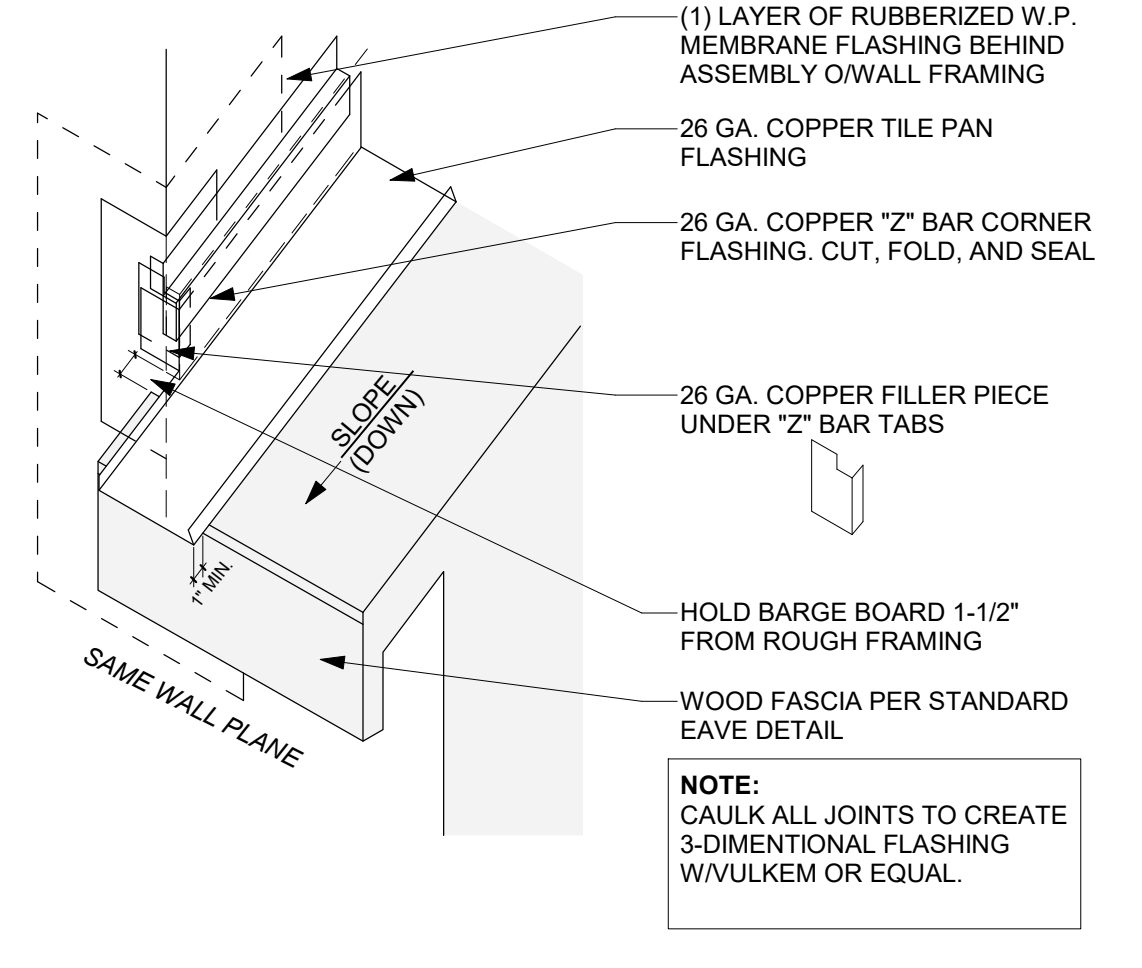
**32 FLASHING - WINDOW CORNER TYP.**

SCALE: 1/2" = 1'-0"



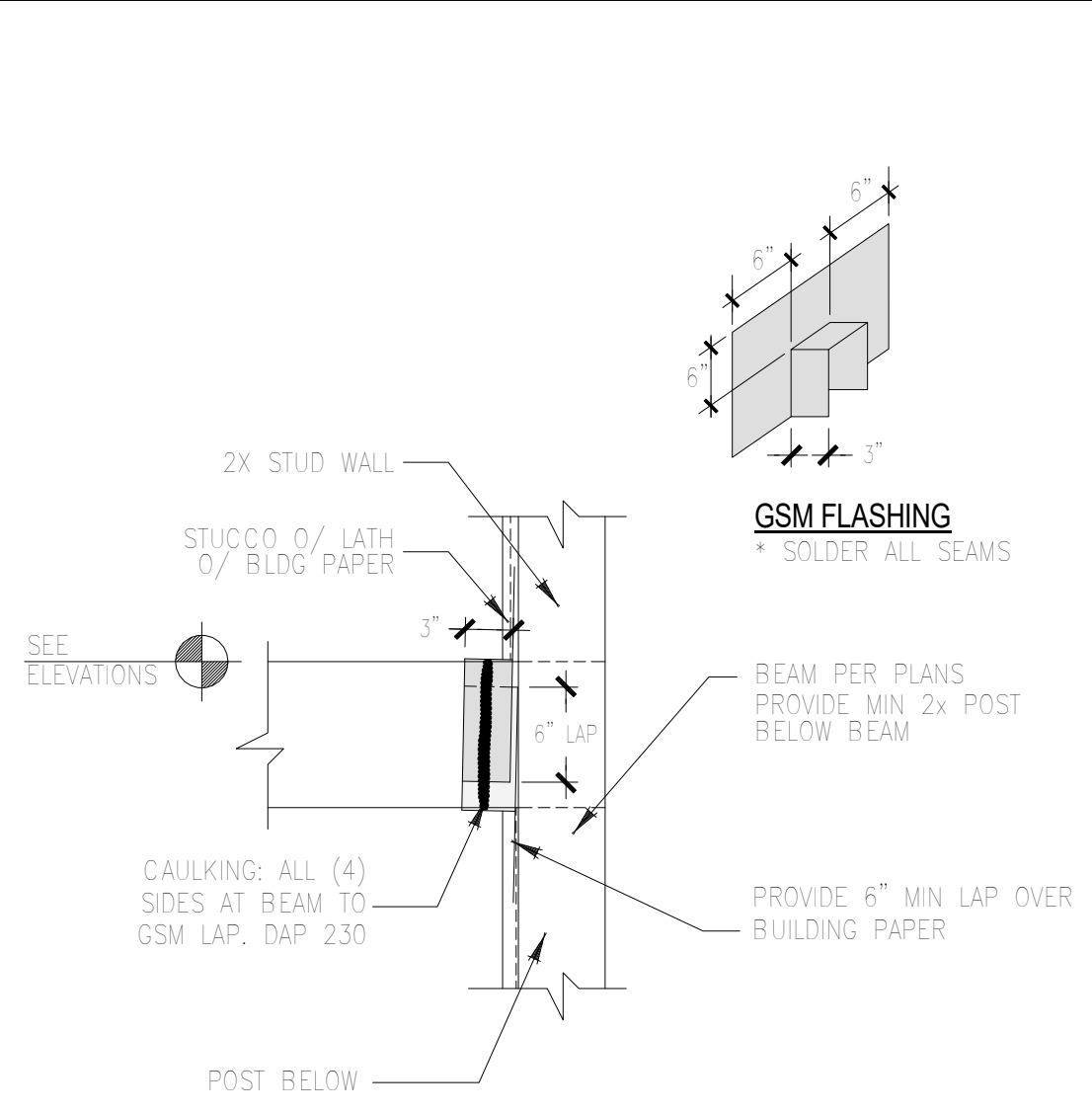
**22 FLASHING - FASCIA TO WALL TYP.**

SCALE: 1 1/2" = 1'-0"



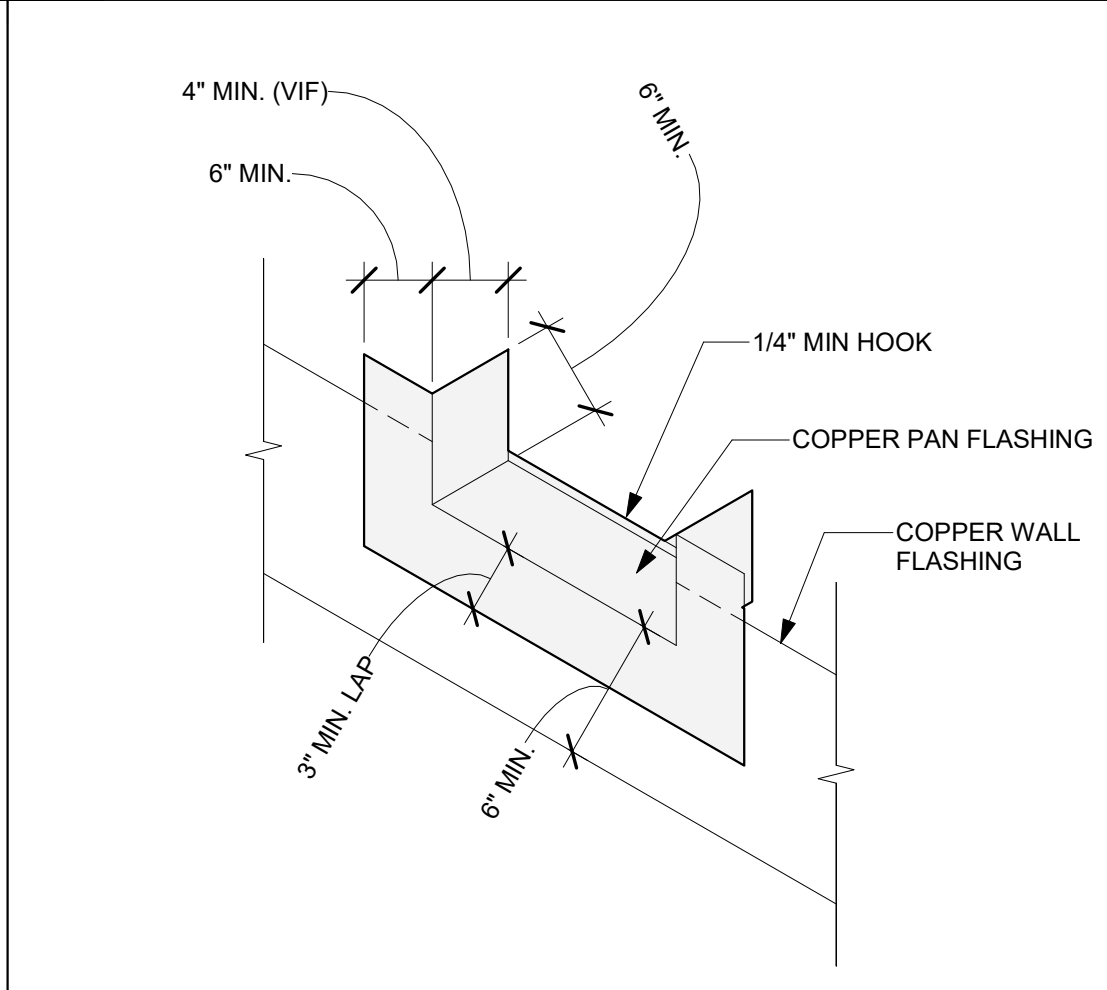
**12 ROOF TO WALL TYP. FLASHING 2**

SCALE: 3" = 1'-0"



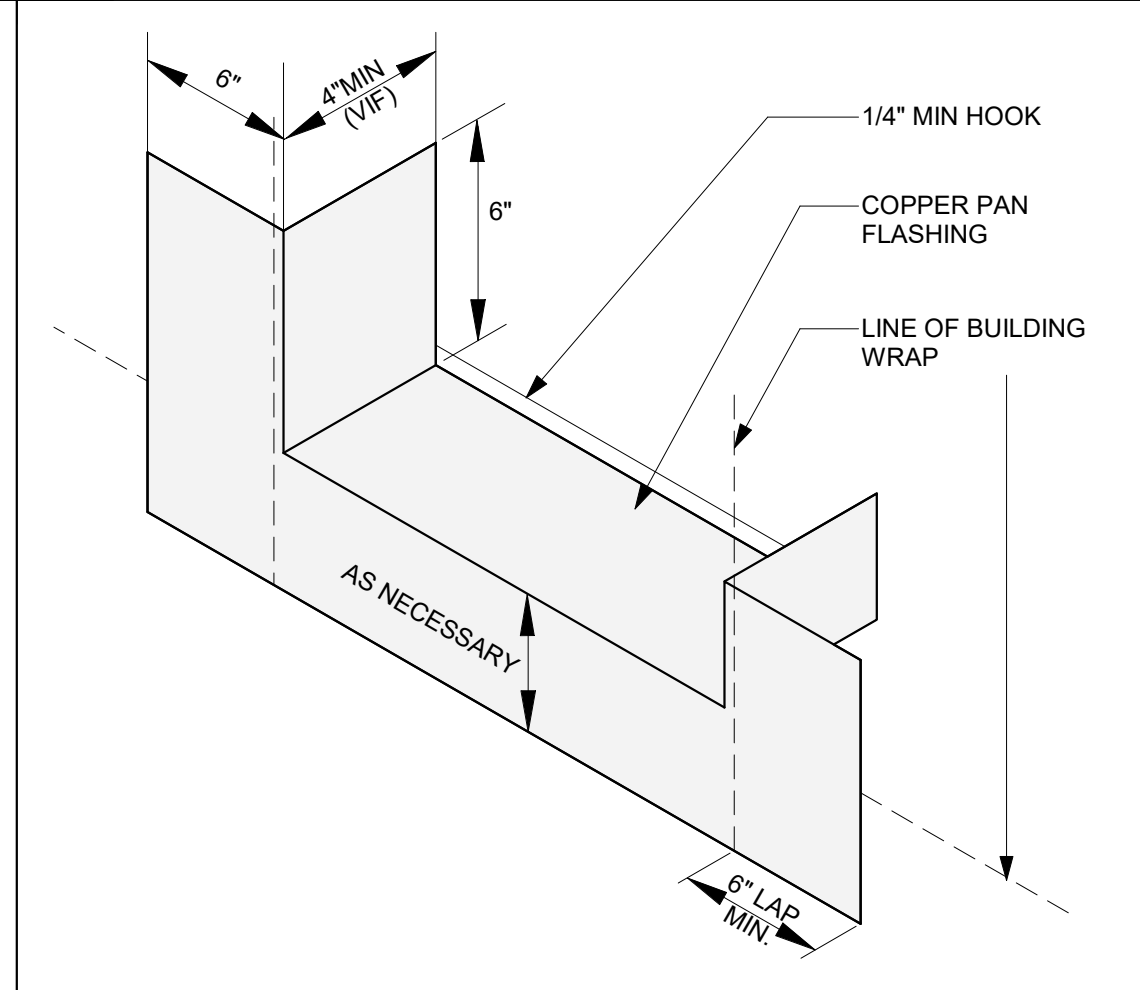
**43 FLASHING - PROTRUSIONS**

SCALE: 1 1/2" = 1'-0"



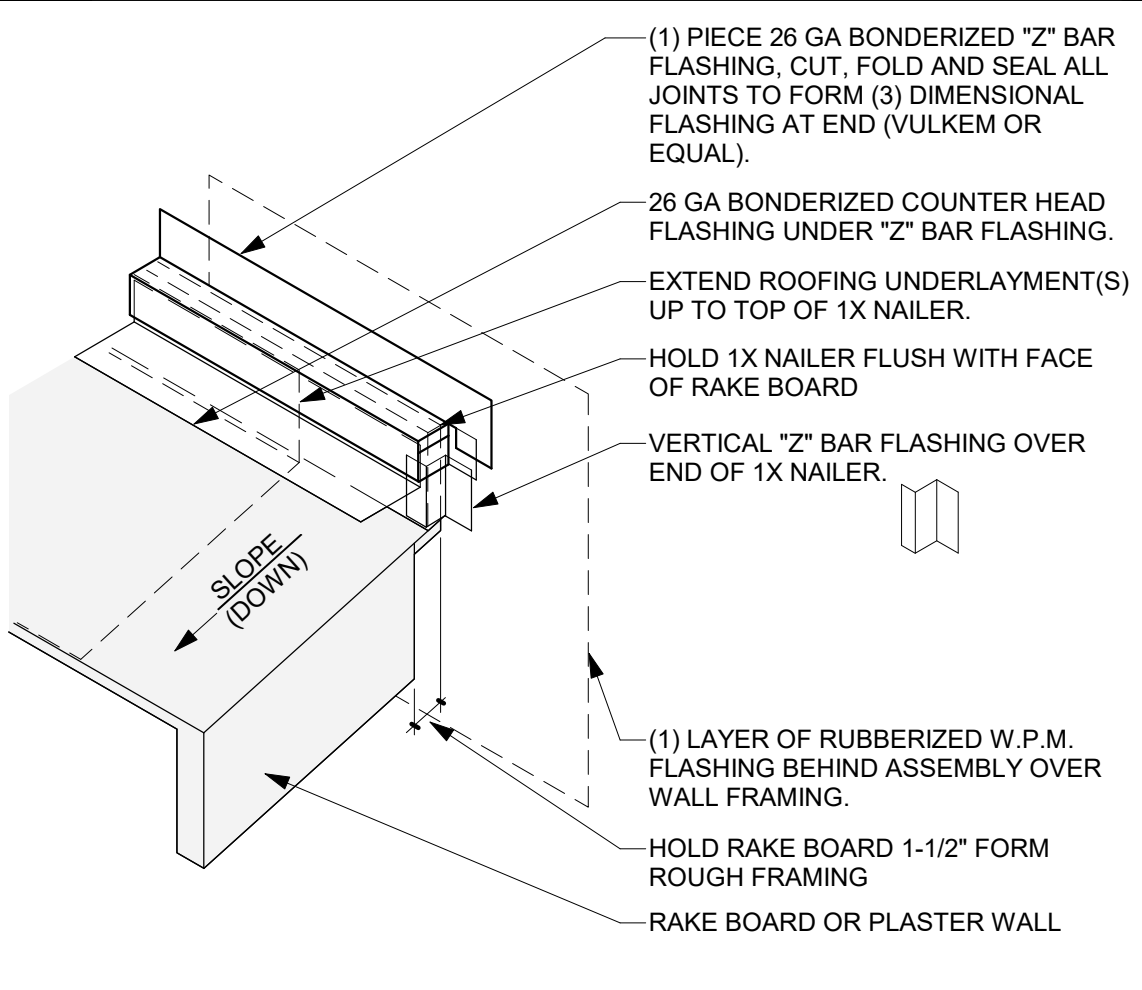
**33 FLASHING - DOOR AT GRADE**

NTS



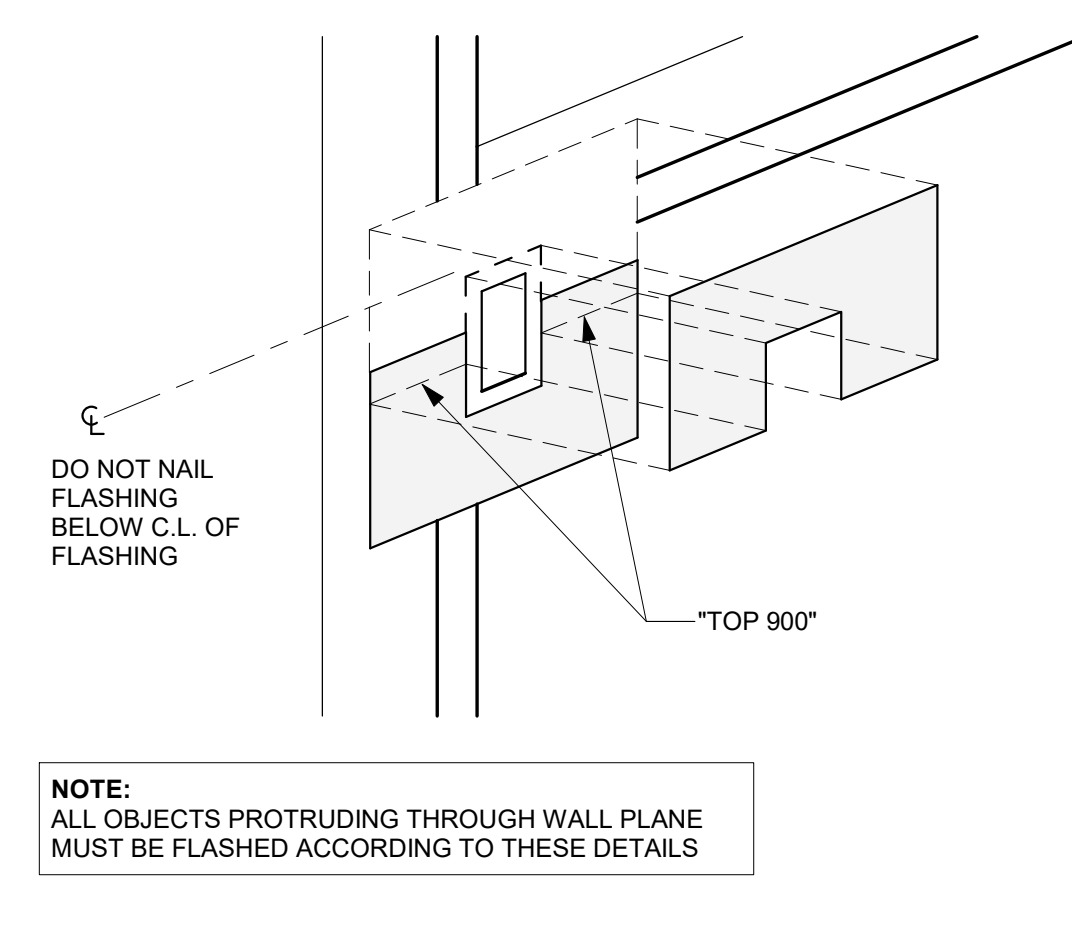
**23 FLASHING PAN @ DOOR THRESHOLD**

SCALE: 3" = 1'-0"



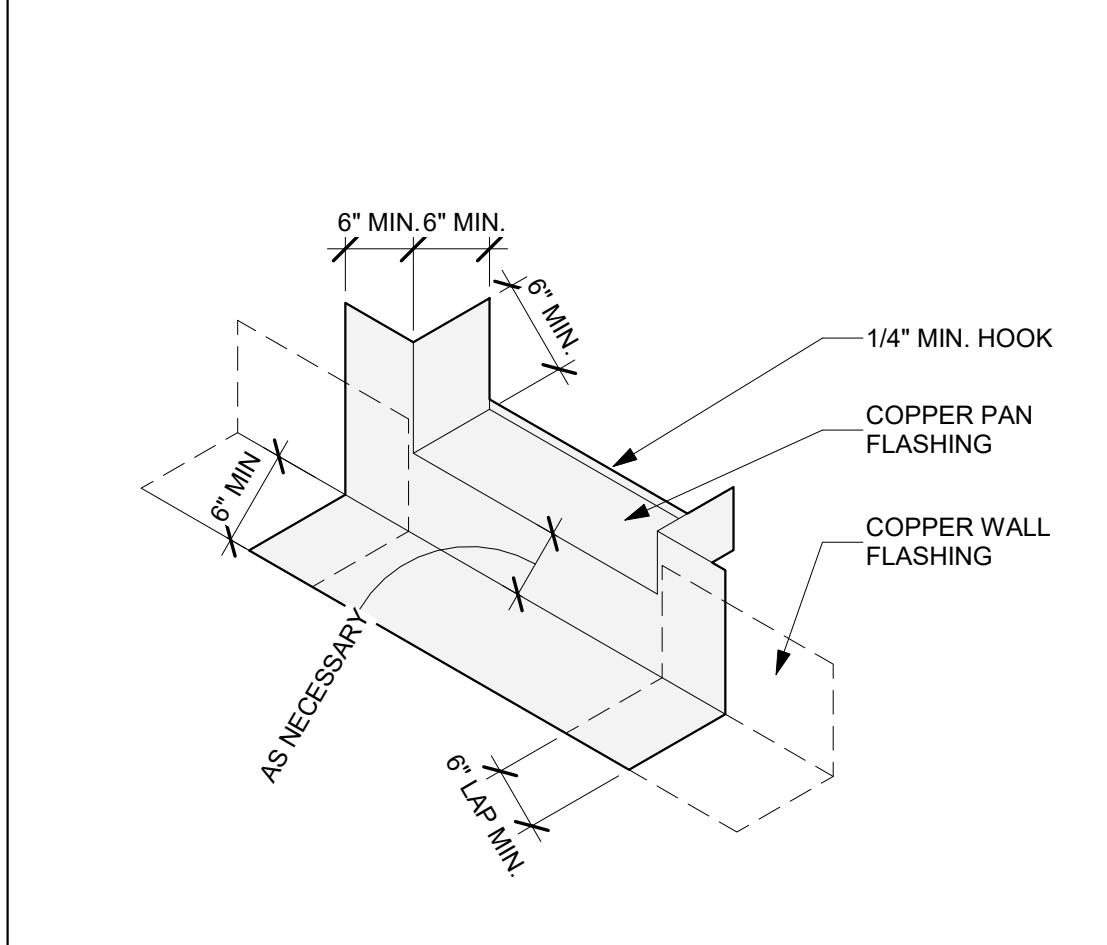
**13 ROOF TO WALL TYP. FLASHING 3**

SCALE: 3" = 1'-0"



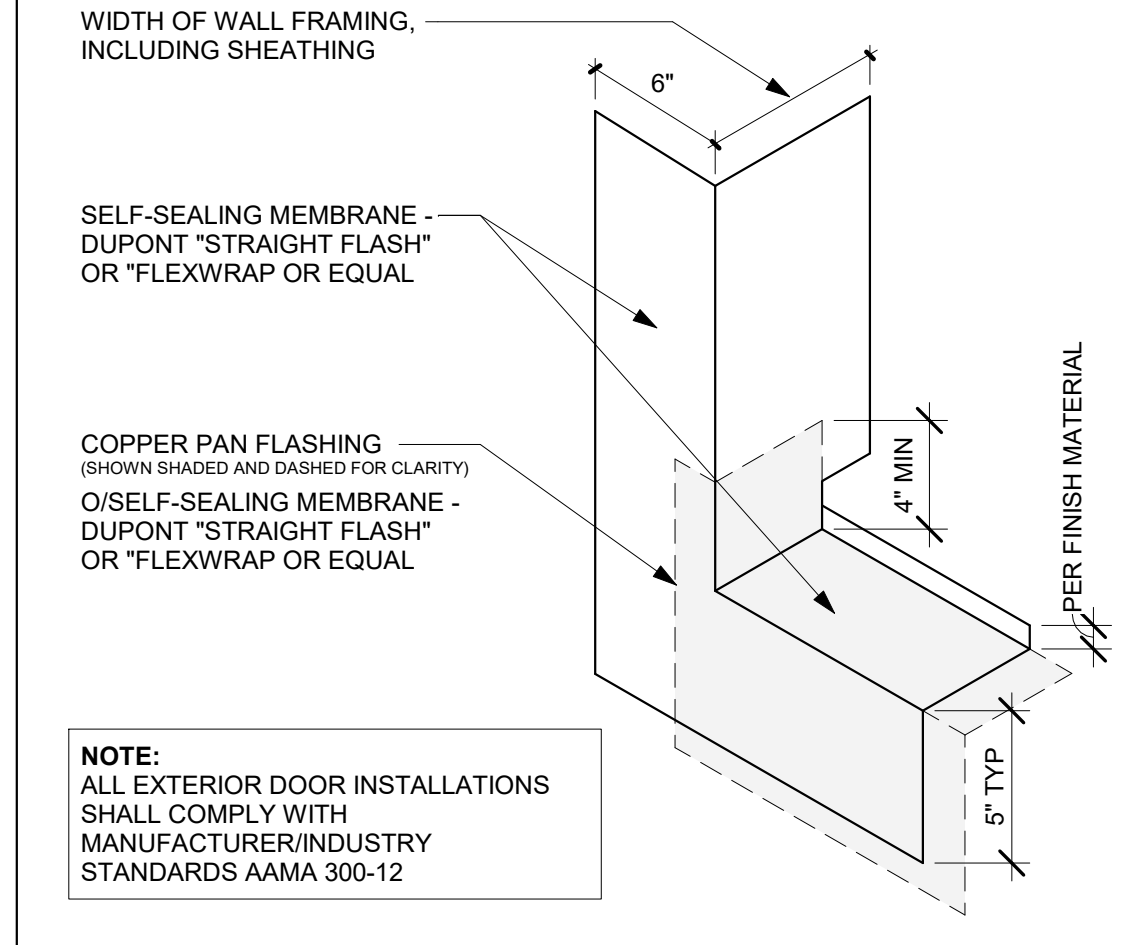
**44 FLASHING - DETAILED PROTRUSION**

SCALE: 1 1/2" = 1'-0"



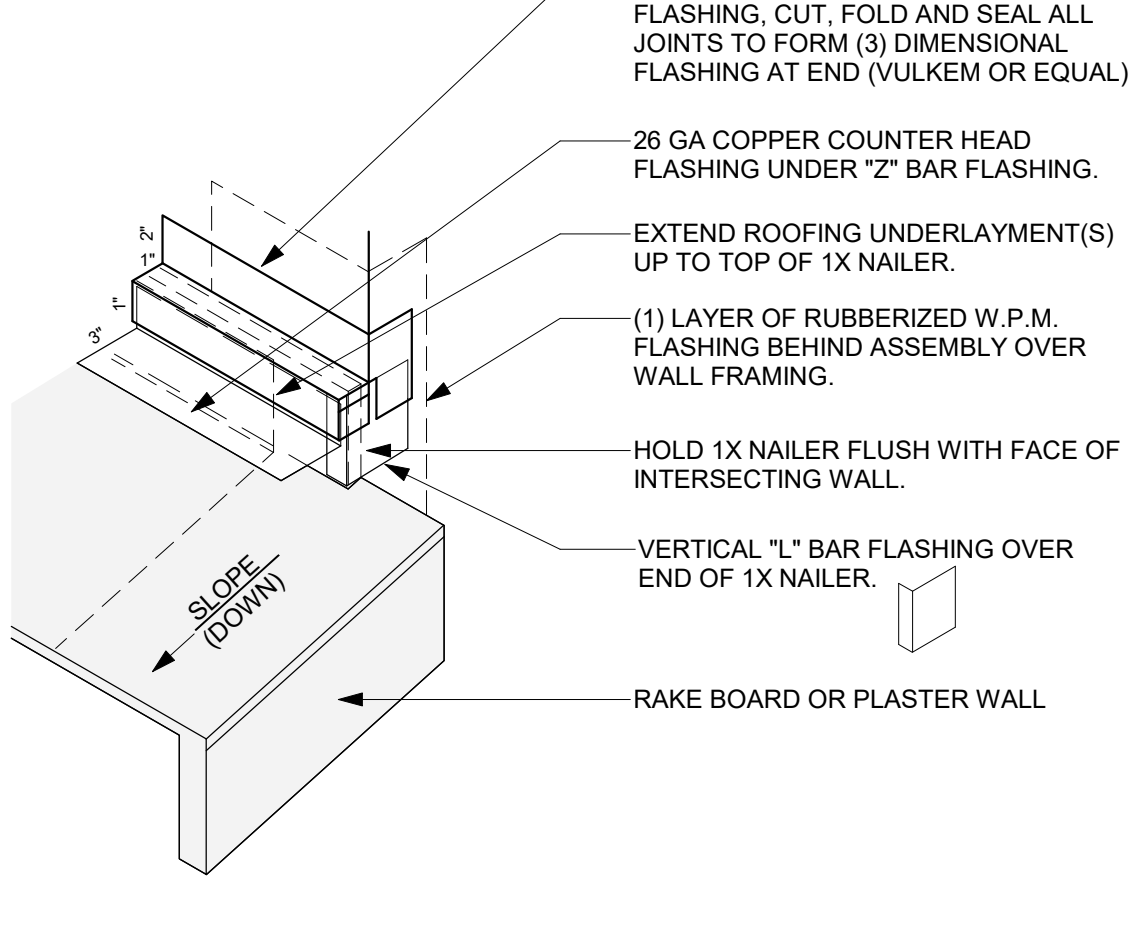
**34 FLASHING - DOOR AT W.P. DECK**

NTS



**24 FLASHING - JAMB TO SILL TYP.**

SCALE: 3" = 1'-0"



**14 ROOF TO WALL TYP. FLASHING 4**

SCALE: 3" = 1'-0"

**54 BEAM TO WALL FLASHING**

SCALE: 1" = 1'-0"

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AGENCY

**MONO COUNTY ADU  
PROTOTYPES**  
MONO COUNTY  
ARCHITECTURAL DETAILS -  
COMMON

NO.	REVISION	DATE
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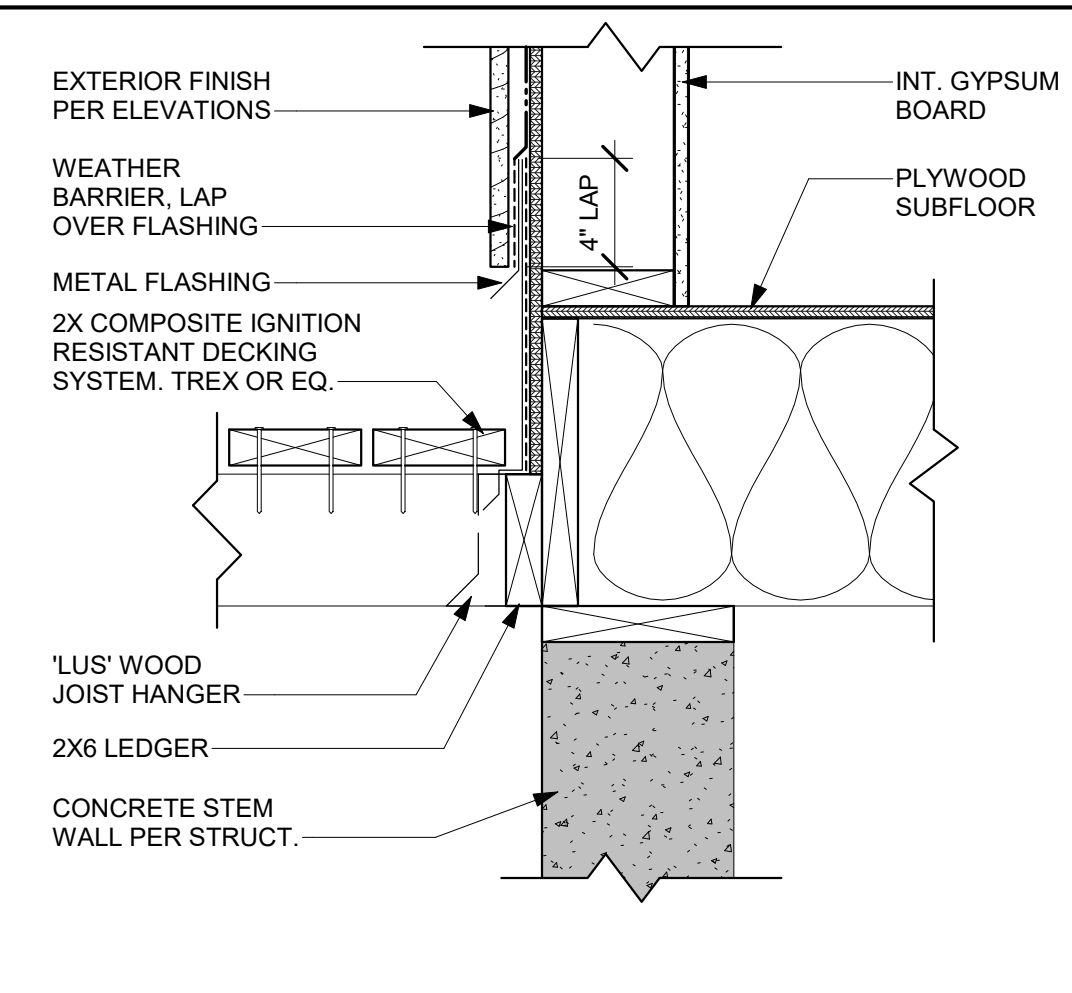
PROJECT MANAGER  
RR

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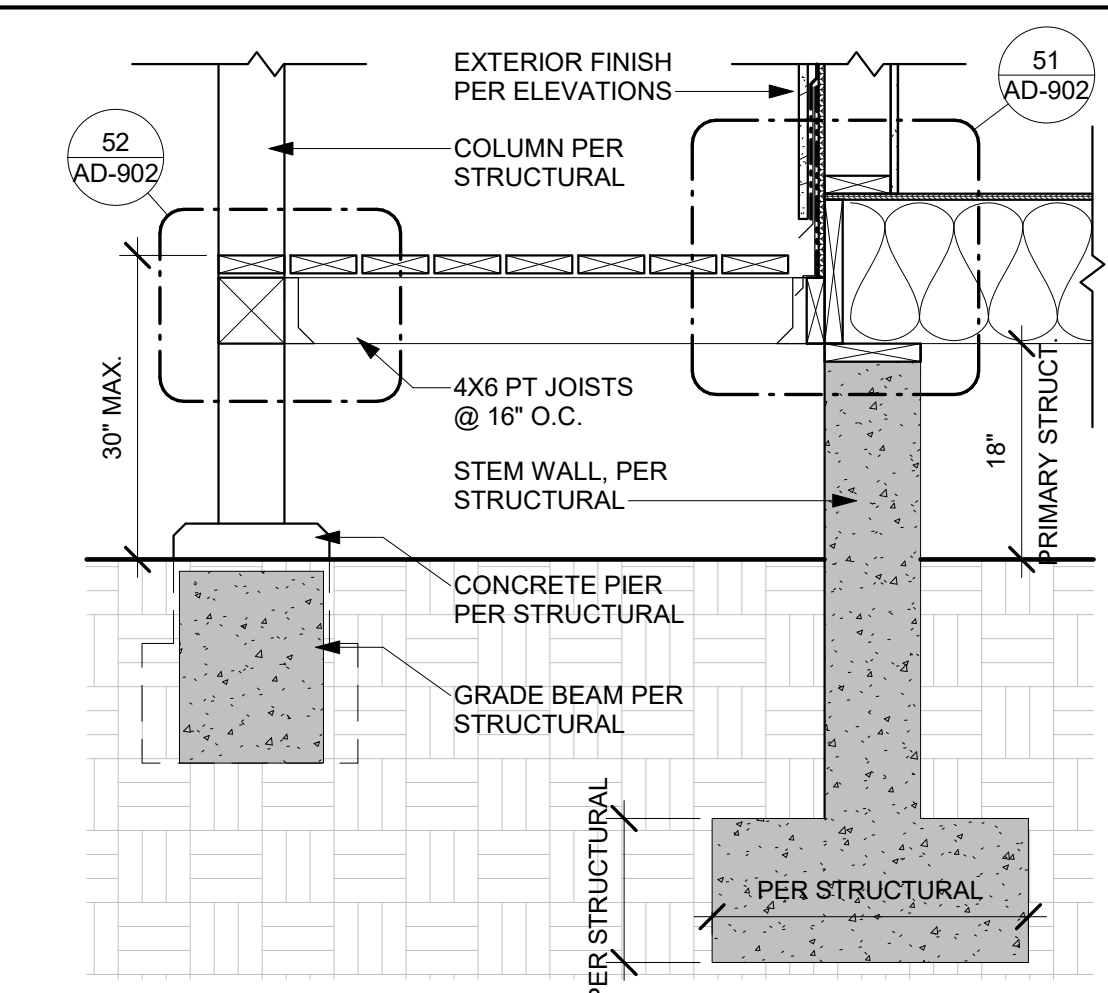
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PROJECT NUMBER  
2340-01-CU21

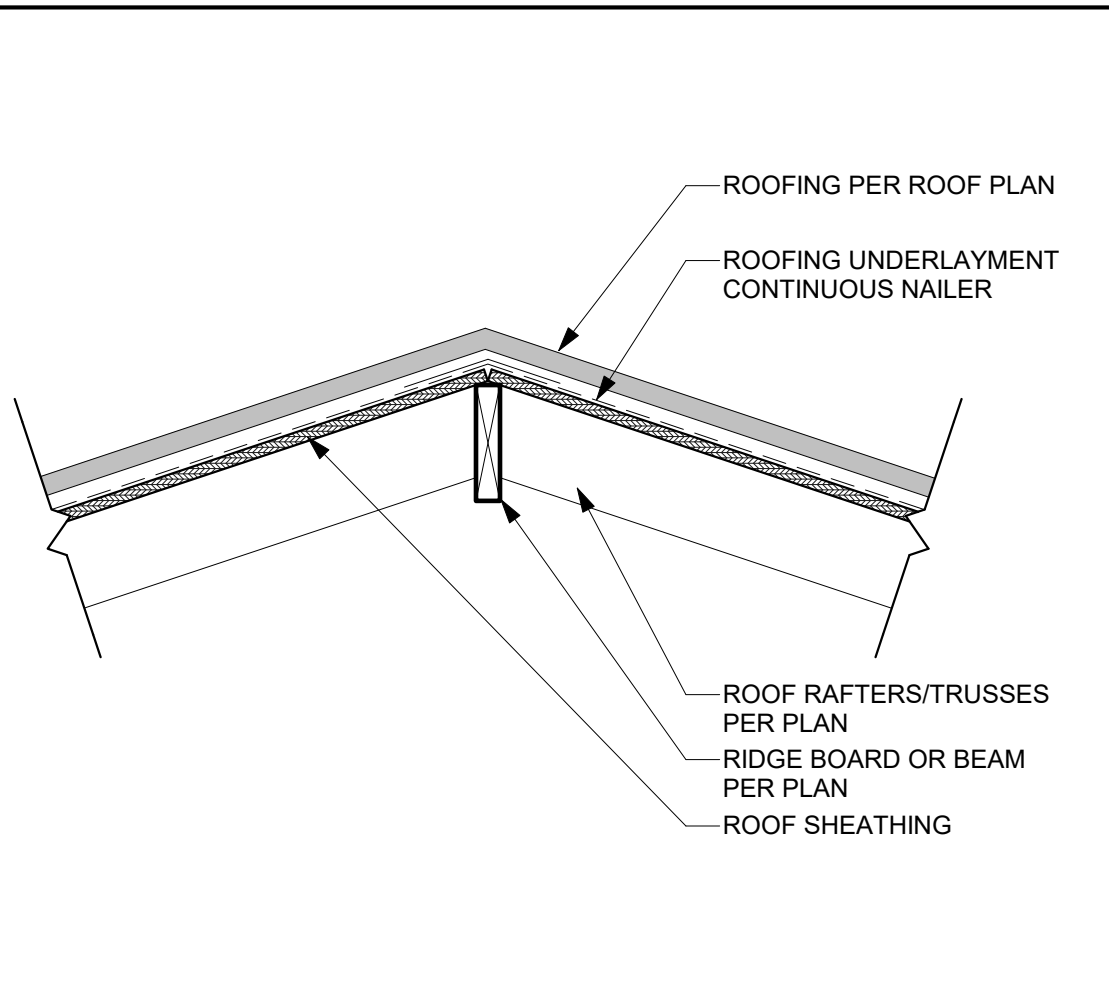
SHEET  
AD-901



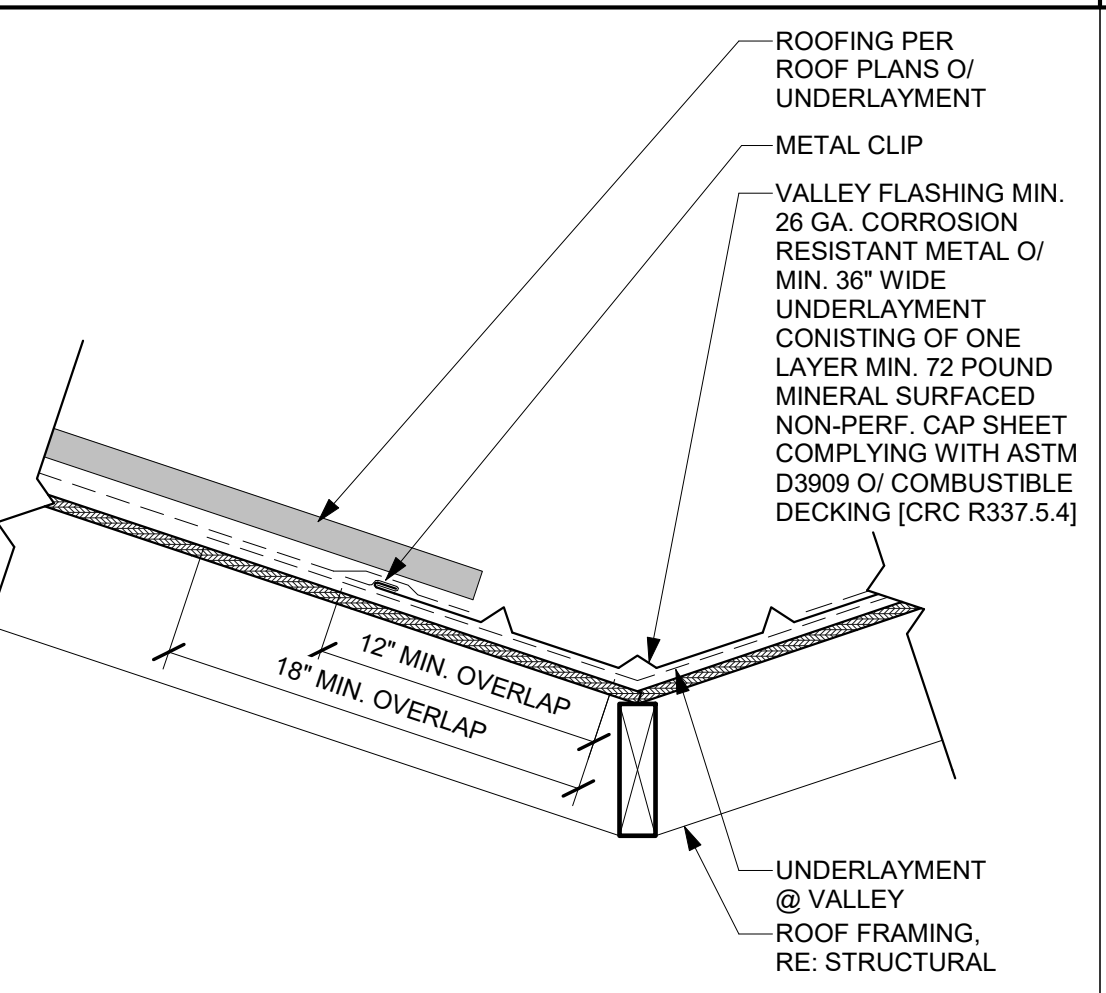
**51 DECKING TO EXT. WALL**  
AD-902AD-902 1 1/2" = 1'-0"



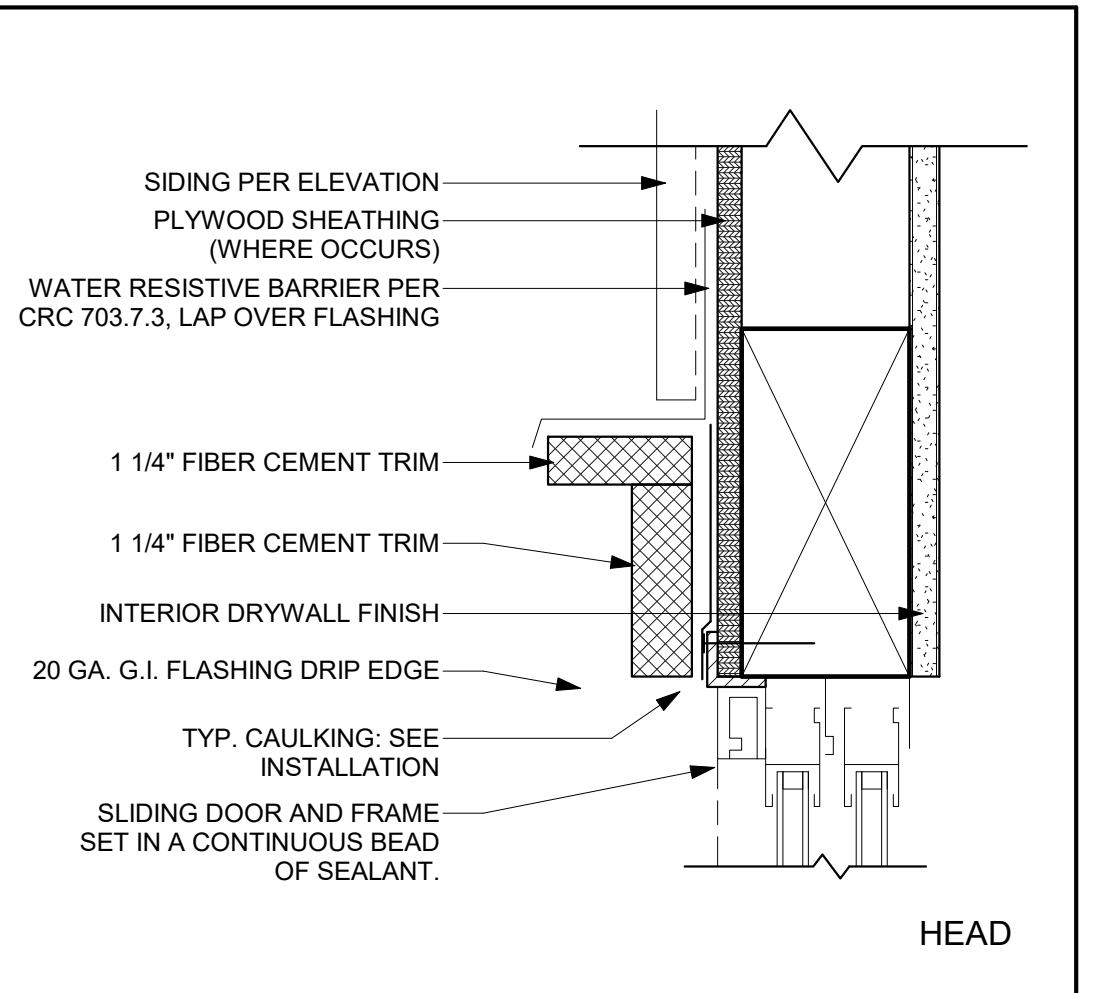
**41 RAISED PORCH DETAIL**  
A1-301AD-902 3/4" = 1'-0"



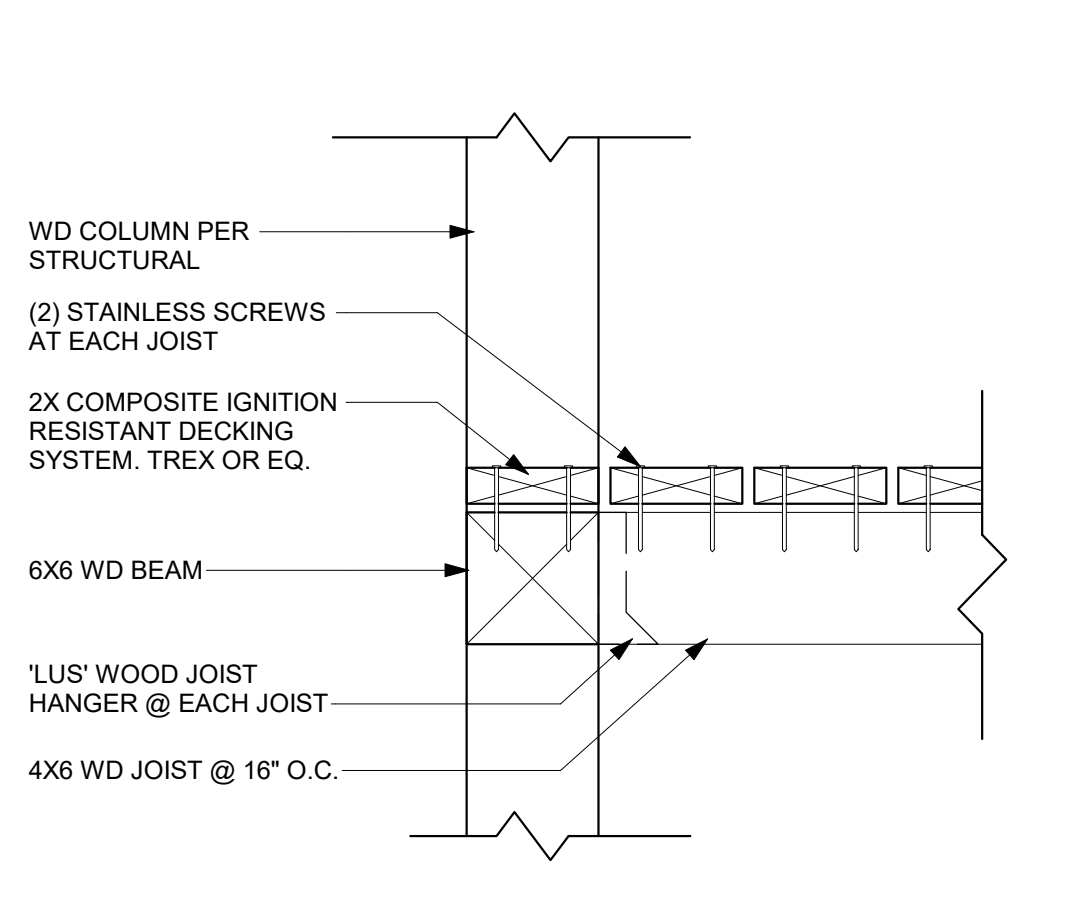
**31 ROOF - HIP/RIDGE**  
AD-902 1" = 1'-0"



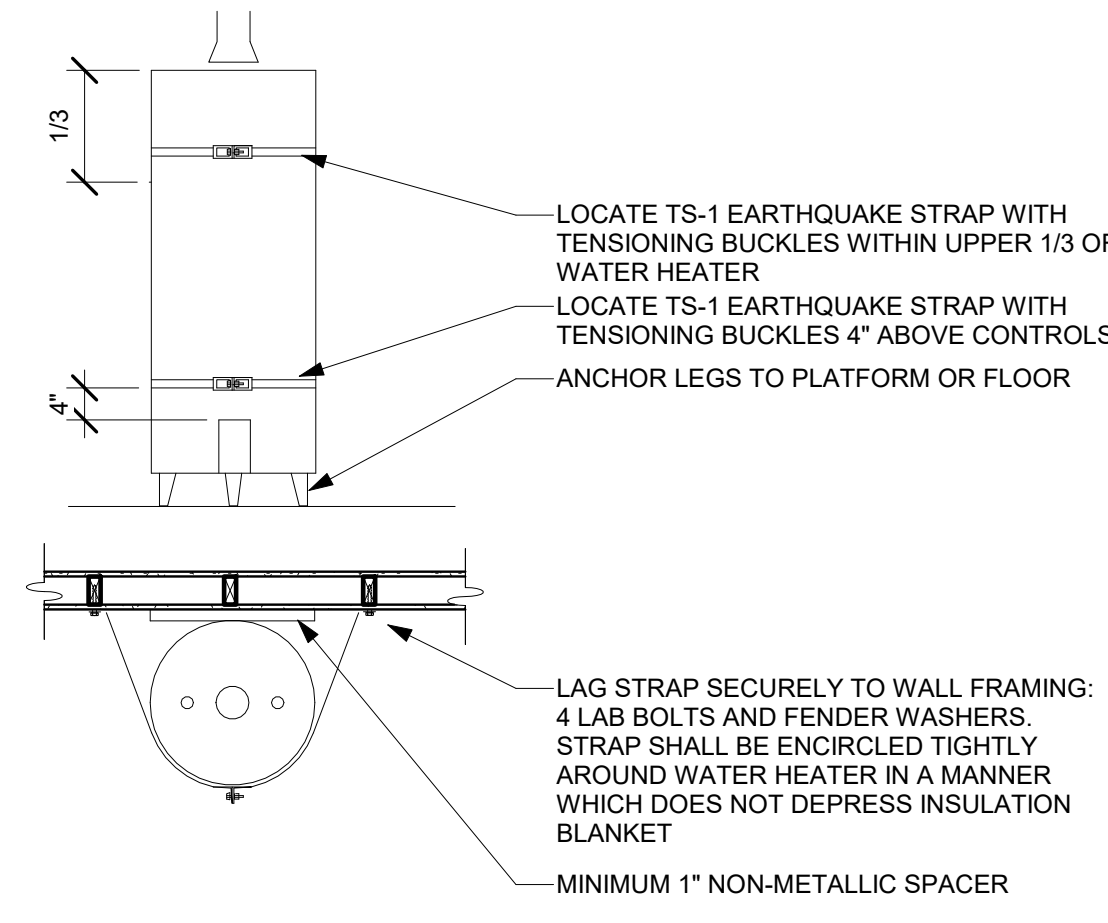
**21 ROOF - VALLEY**  
AD-902 1 1/2" = 1'-0"



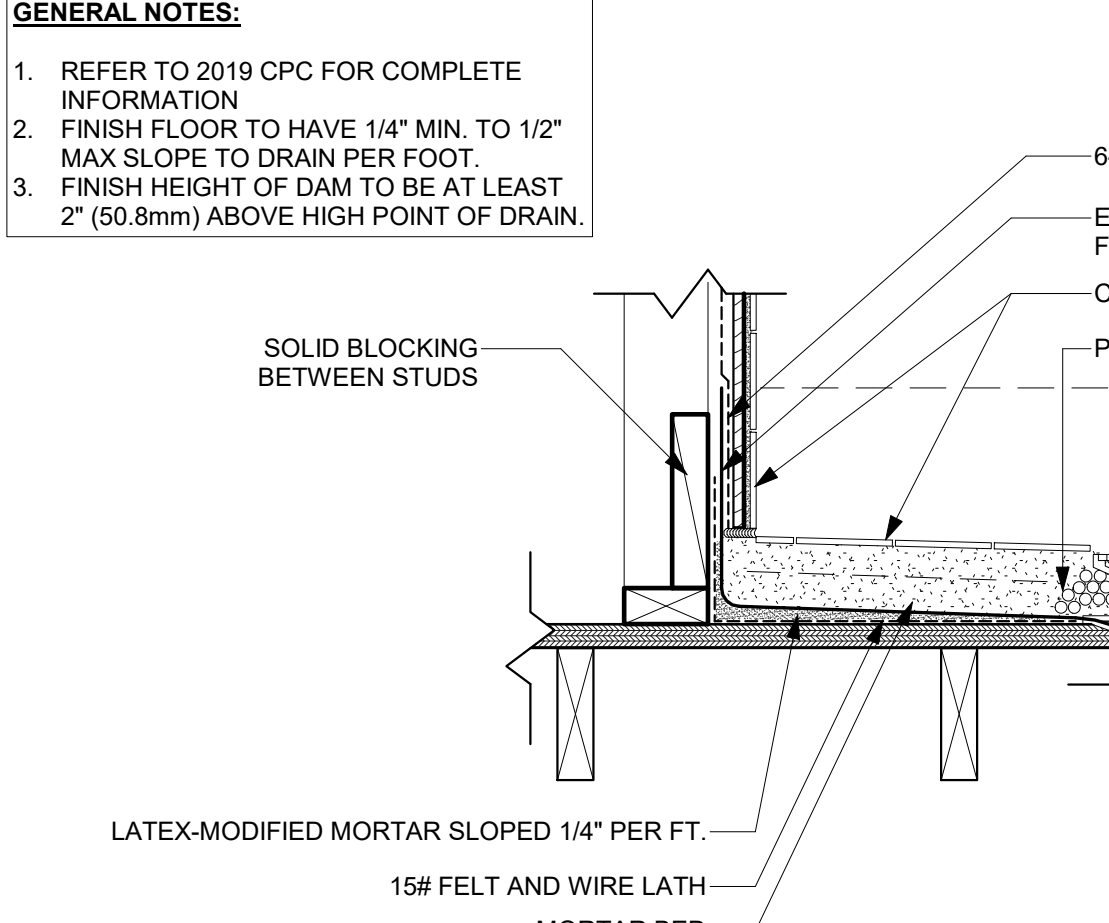
**11 DOOR-SLIDING GLASS**  
AD-902 3" = 1'-0"



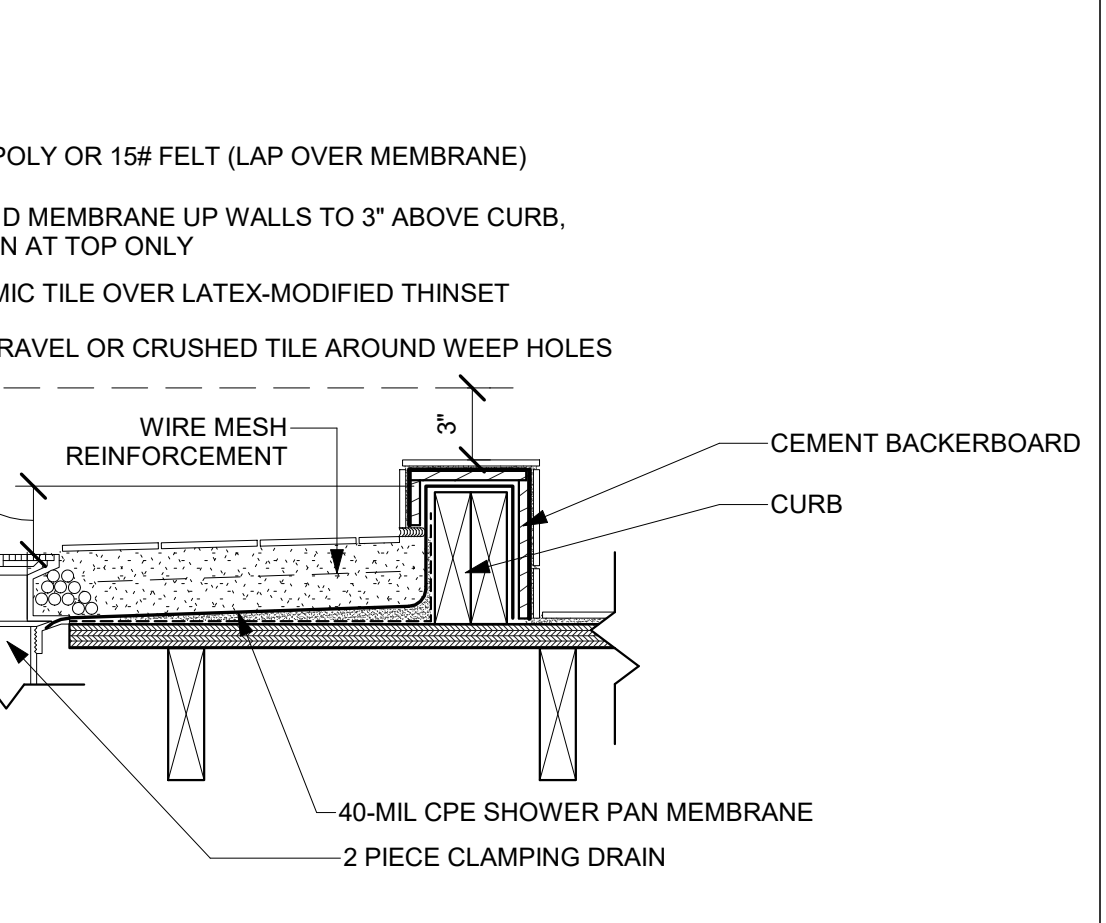
**52 PORCH DECK EDGE**  
AD-902AD-902 1 1/2" = 1'-0"



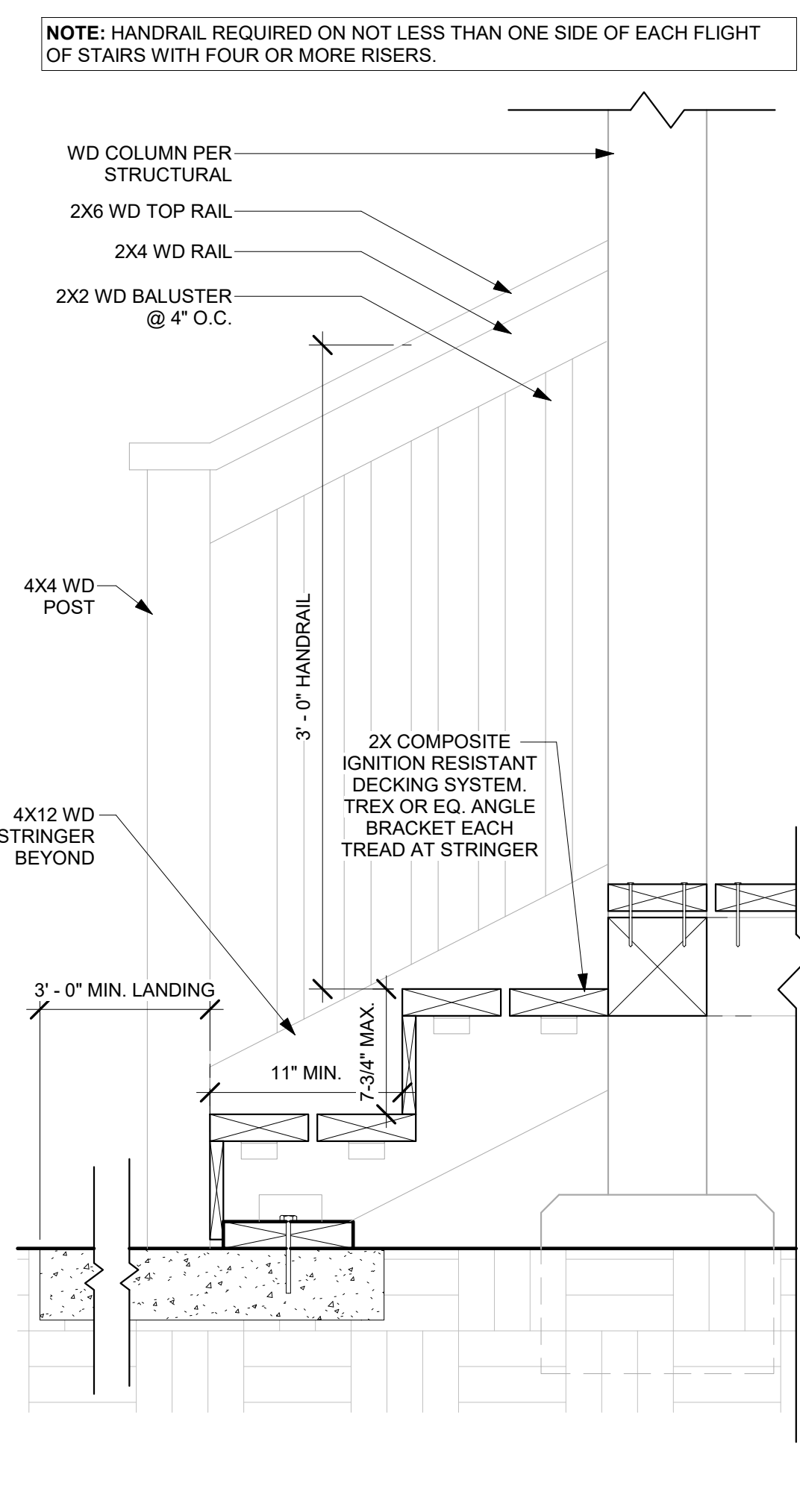
**42 WATER HEATER MOUNTING**  
A1-111AD-902 1/2" = 1'-0"



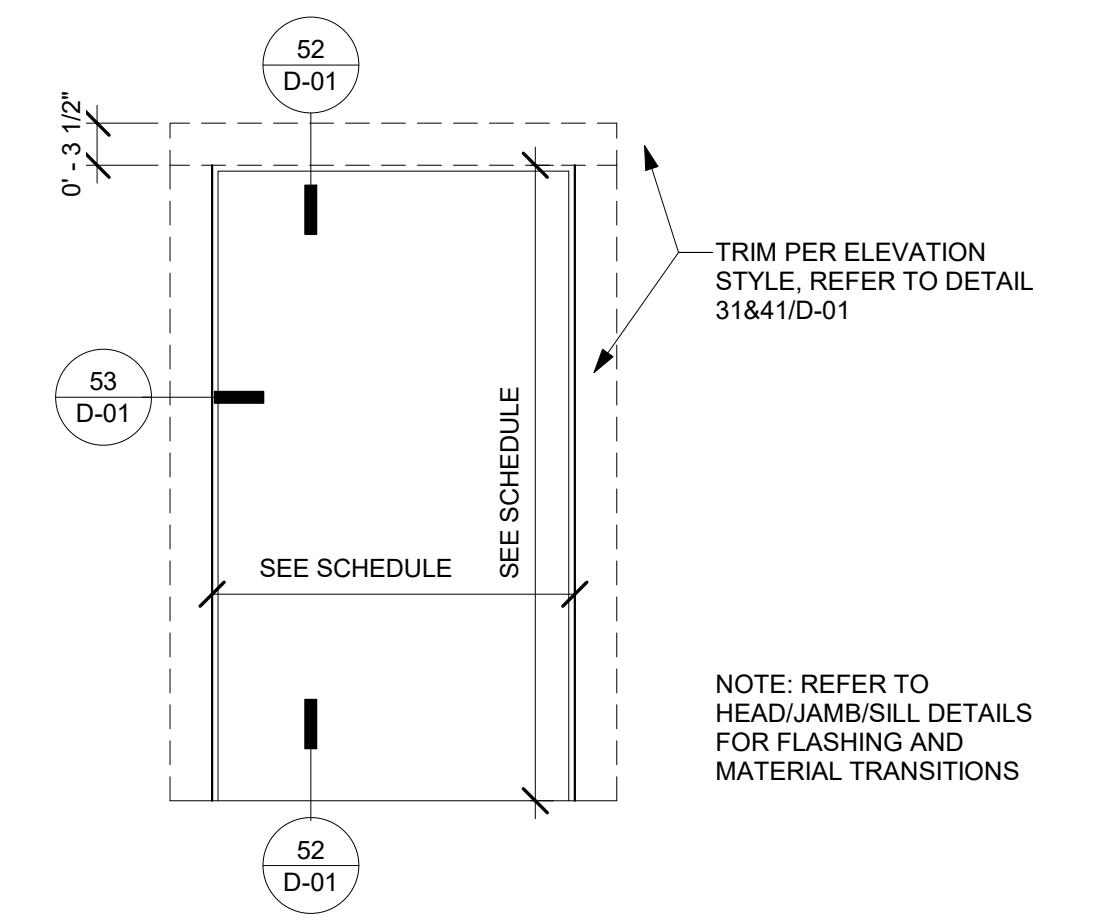
**32 SHOWER - SECTION**  
AD-902 1 1/2" = 1'-0"



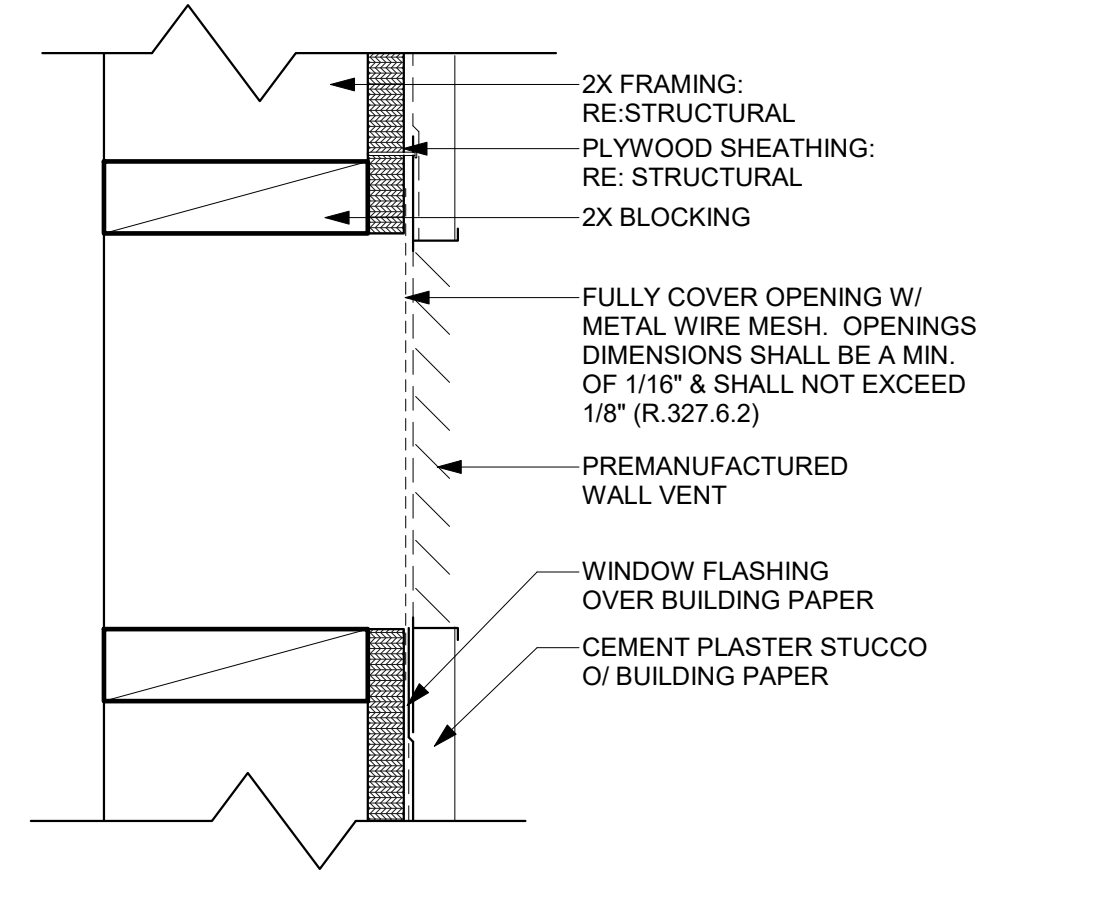
**12 DOOR-SLIDING GLASS**  
AD-902 3" = 1'-0"



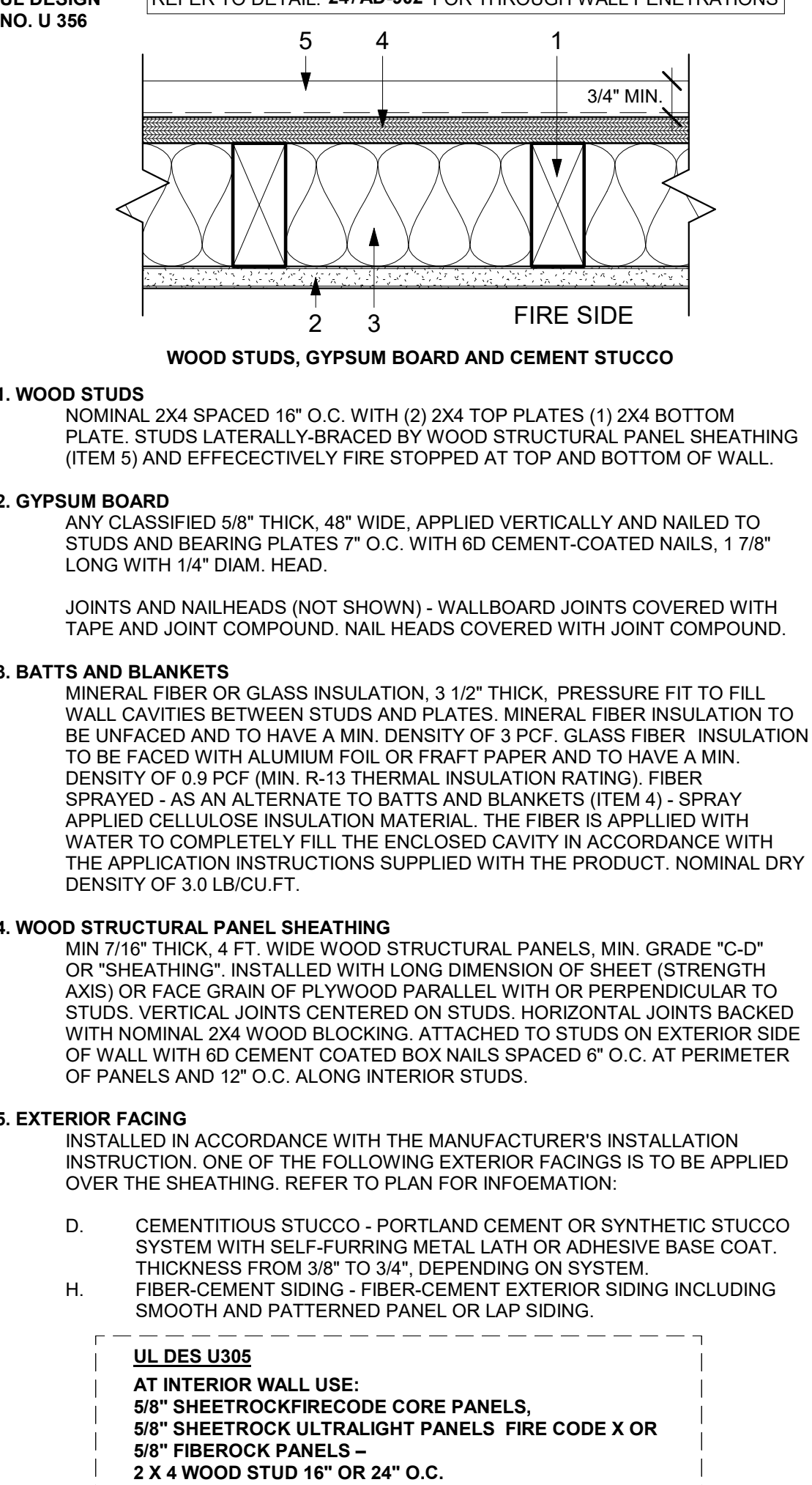
**54 PORCH STAIRS**  
AD-902 1 1/2" = 1'-0"



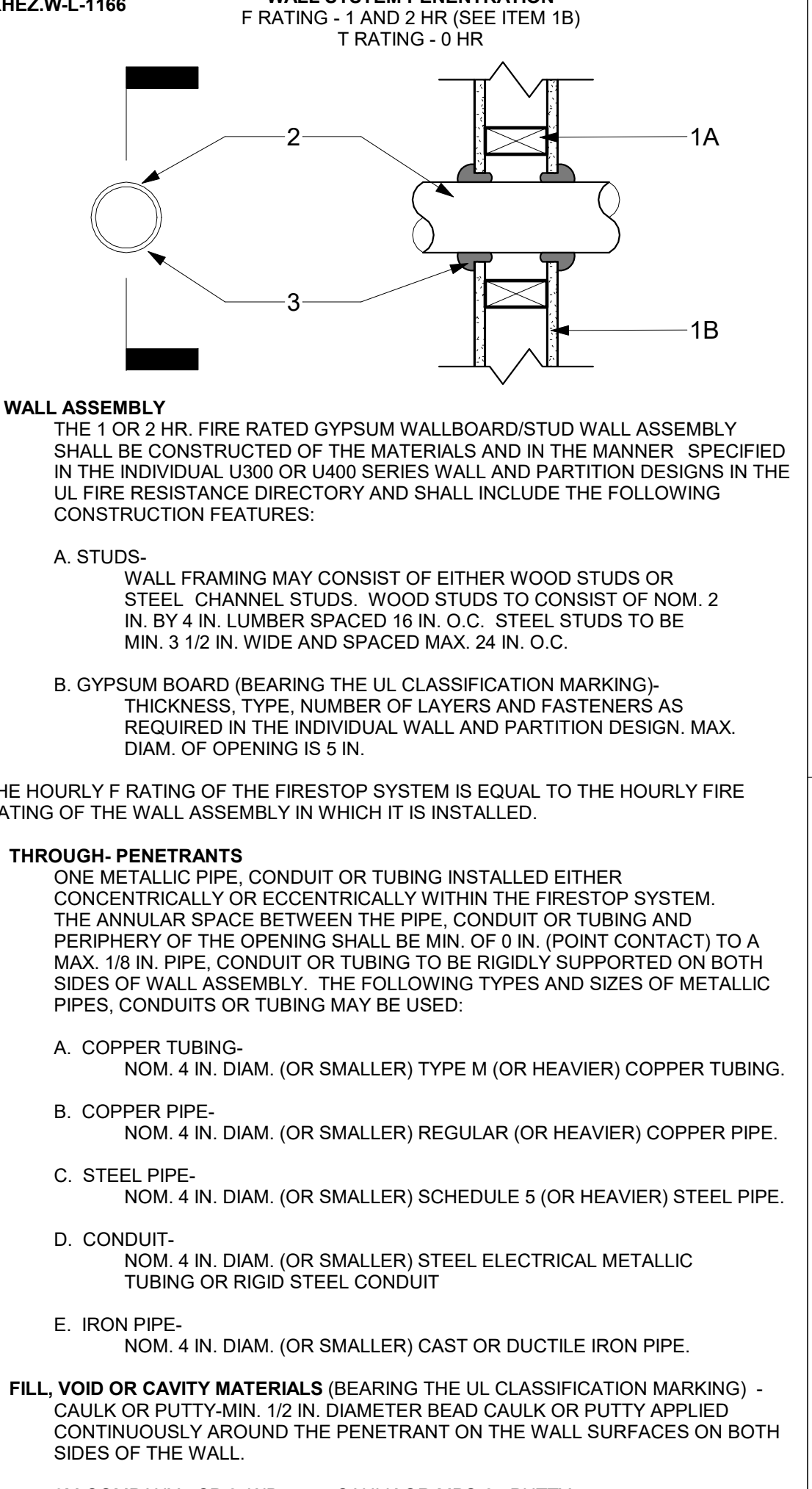
**10 DOOR TRIM - SLIDING GLASS**  
A2-201AD-902 3/4" = 1'-0"



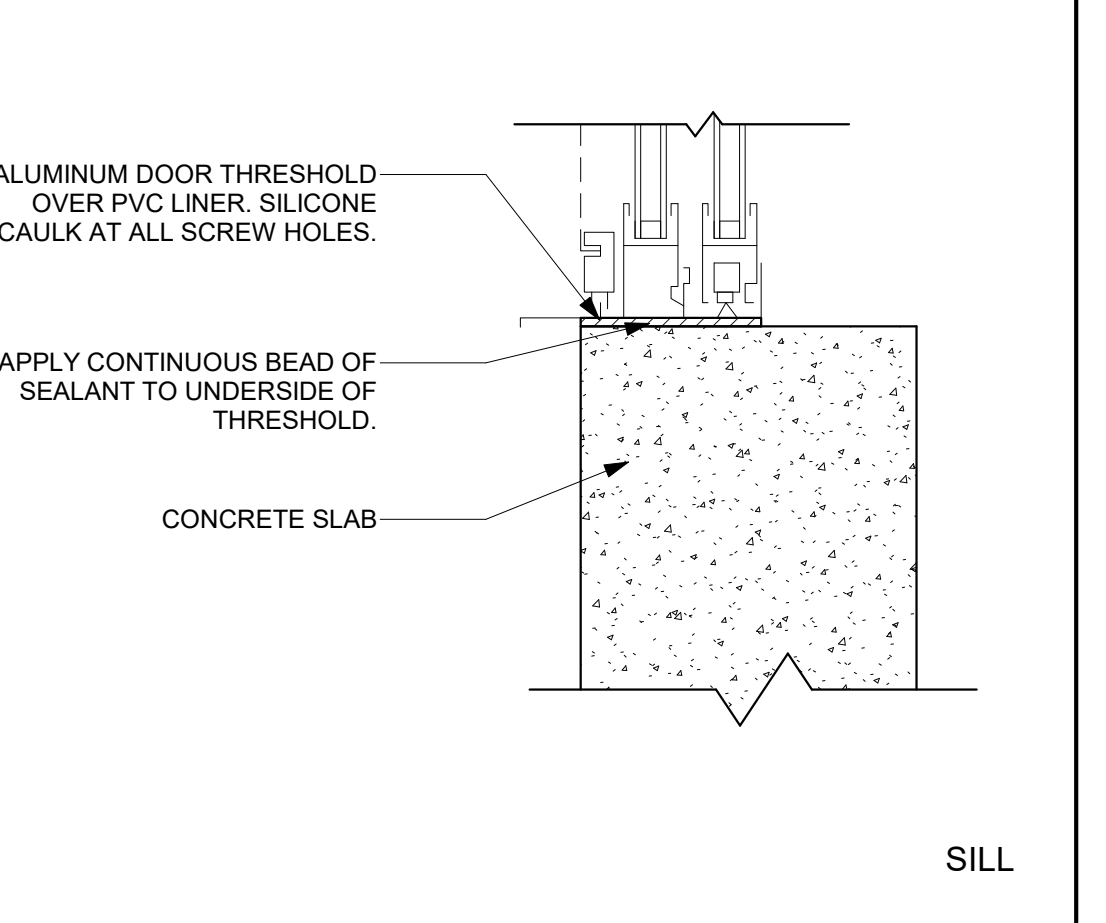
**44 WALL VENT**  
A1-201AD-902 3" = 1'-0"



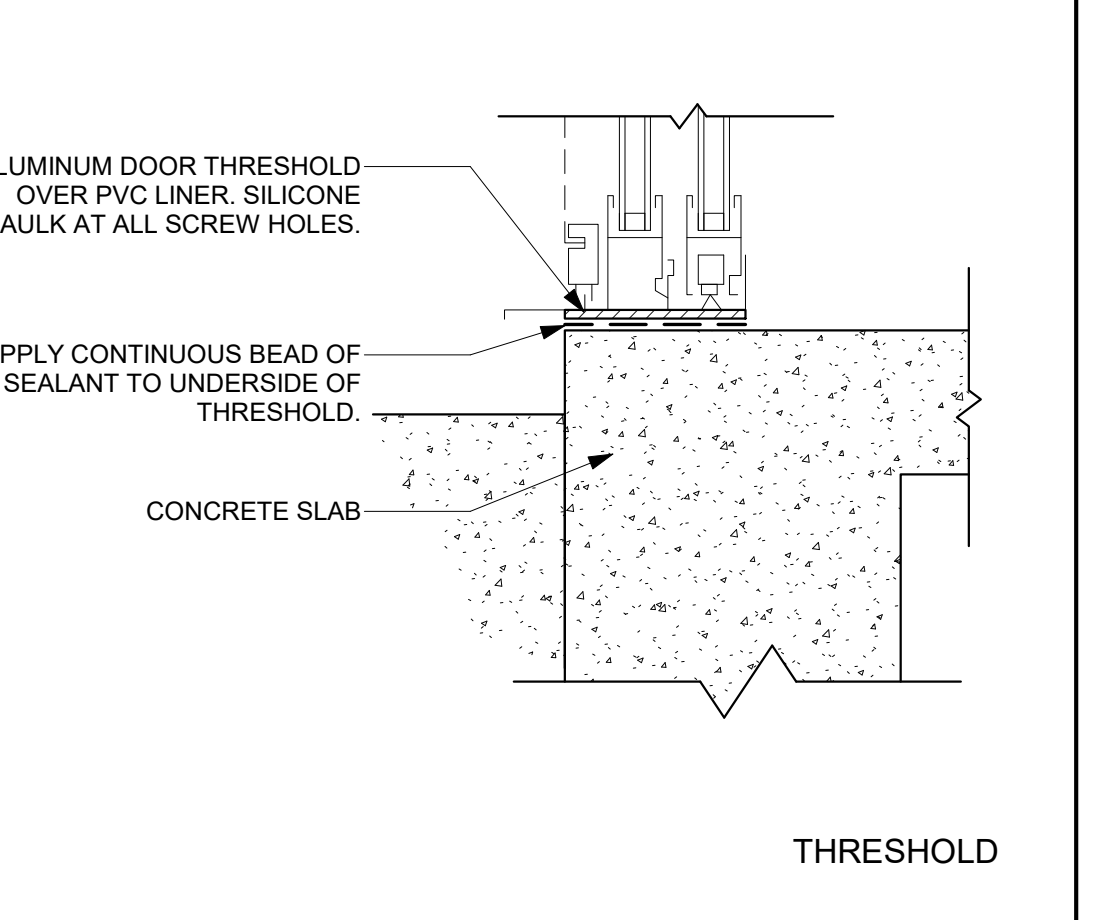
**34 1-HR EXT. RATED WALL ASSEMBLY**  
AD-902 1" = 1'-0"



**24 THROUGH PENETRATION @ WALL 1**  
AD-902 1 1/2" = 1'-0"



**13 DOOR-SLIDING GLASS**  
AD-902 3" = 1'-0"



**14 DOOR-SLIDING GLASS - THRESHOLD**  
AD-902 3" = 1'-0"

CONSULTANT

AGENCY

**MONO COUNTY ADU  
PROTOTYPES**  
MONO COUNTY  
ARCHITECTURAL DETAILS -  
COMMON

NO.	REVISION	DATE

PROJECT MANAGER  
RR  
DRAWN BY  
CHECKED BY  
DATE  
6/30/2022  
PROJECT NUMBER  
2340-01-CU21  
SHEET

**AD-902**

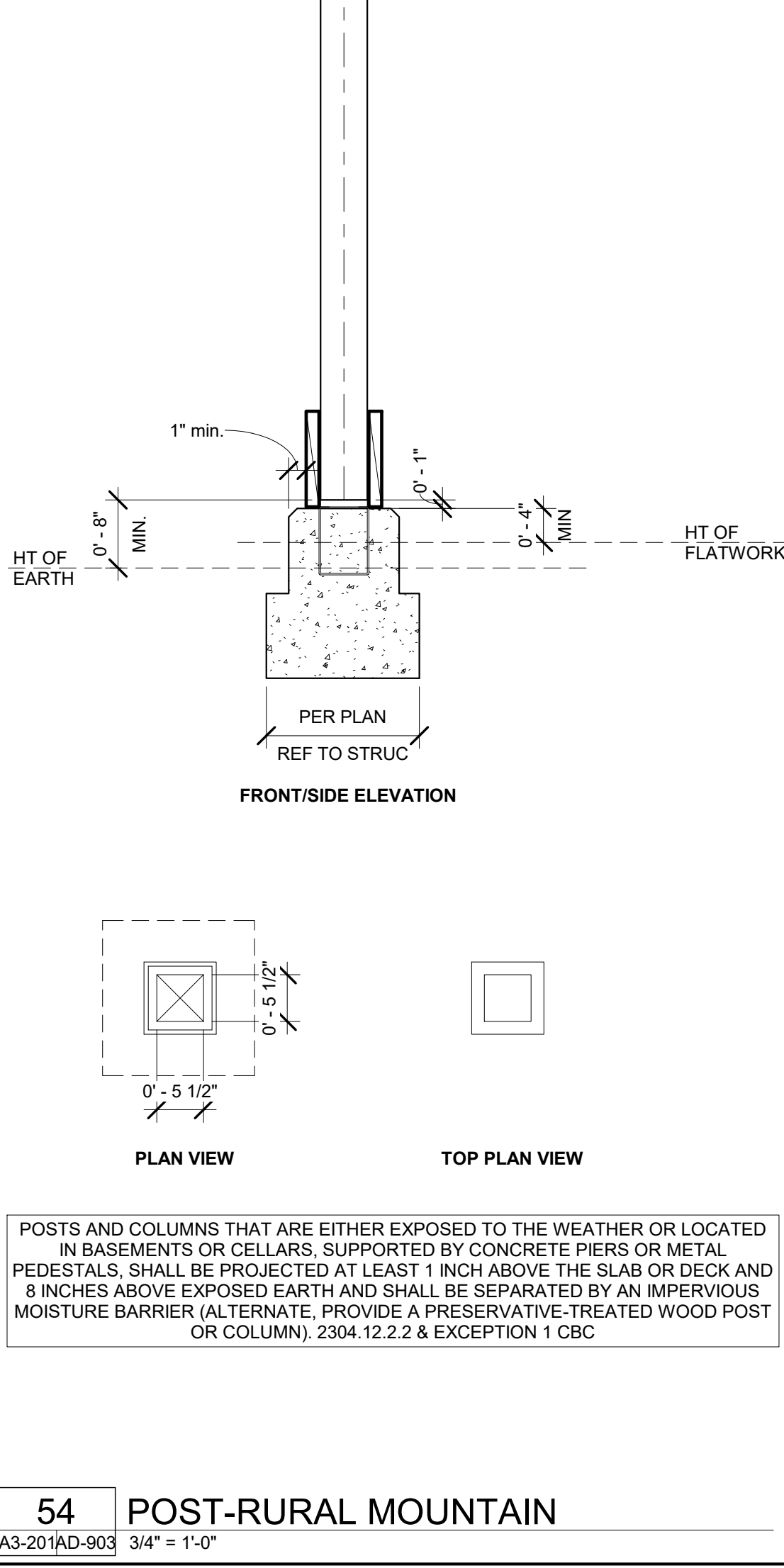
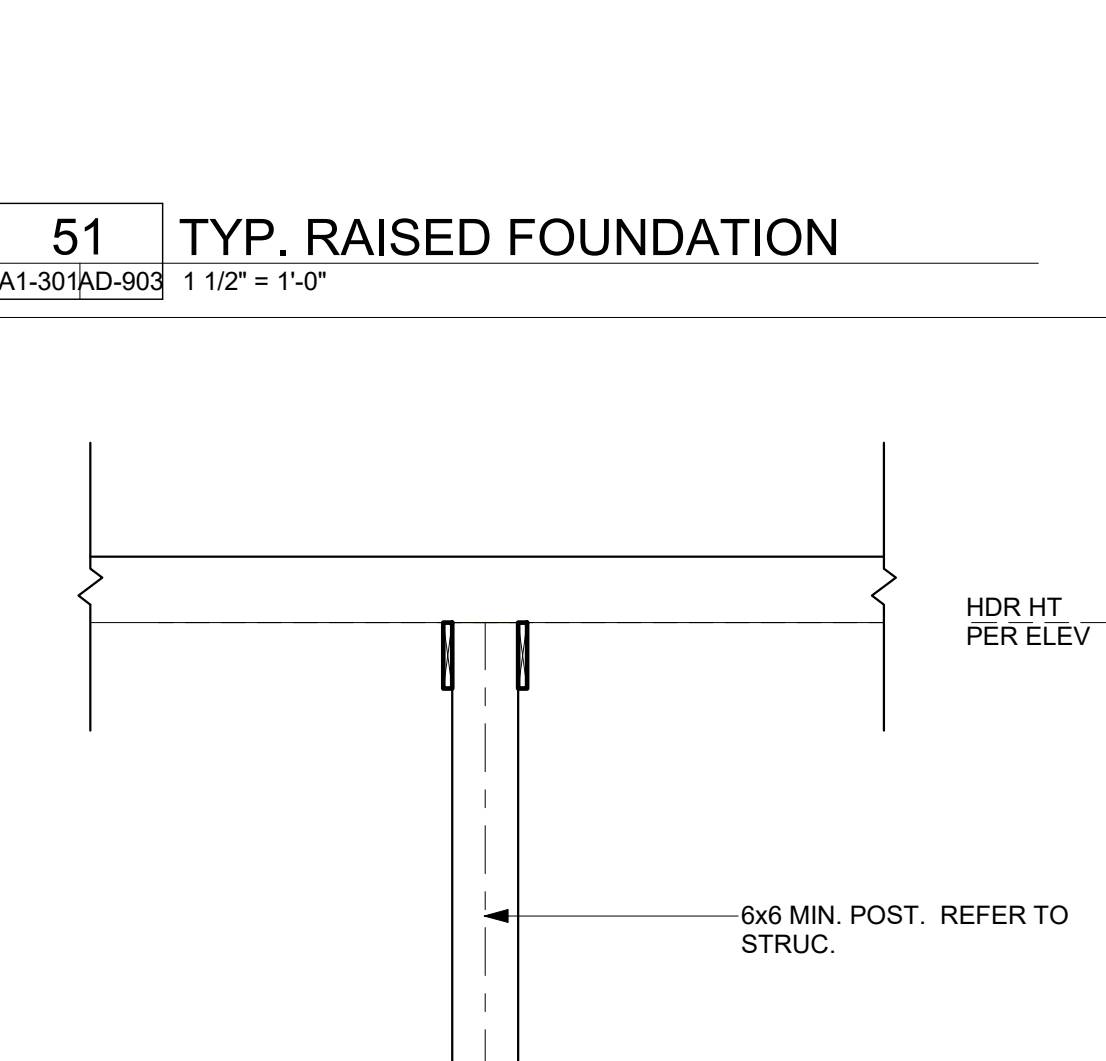
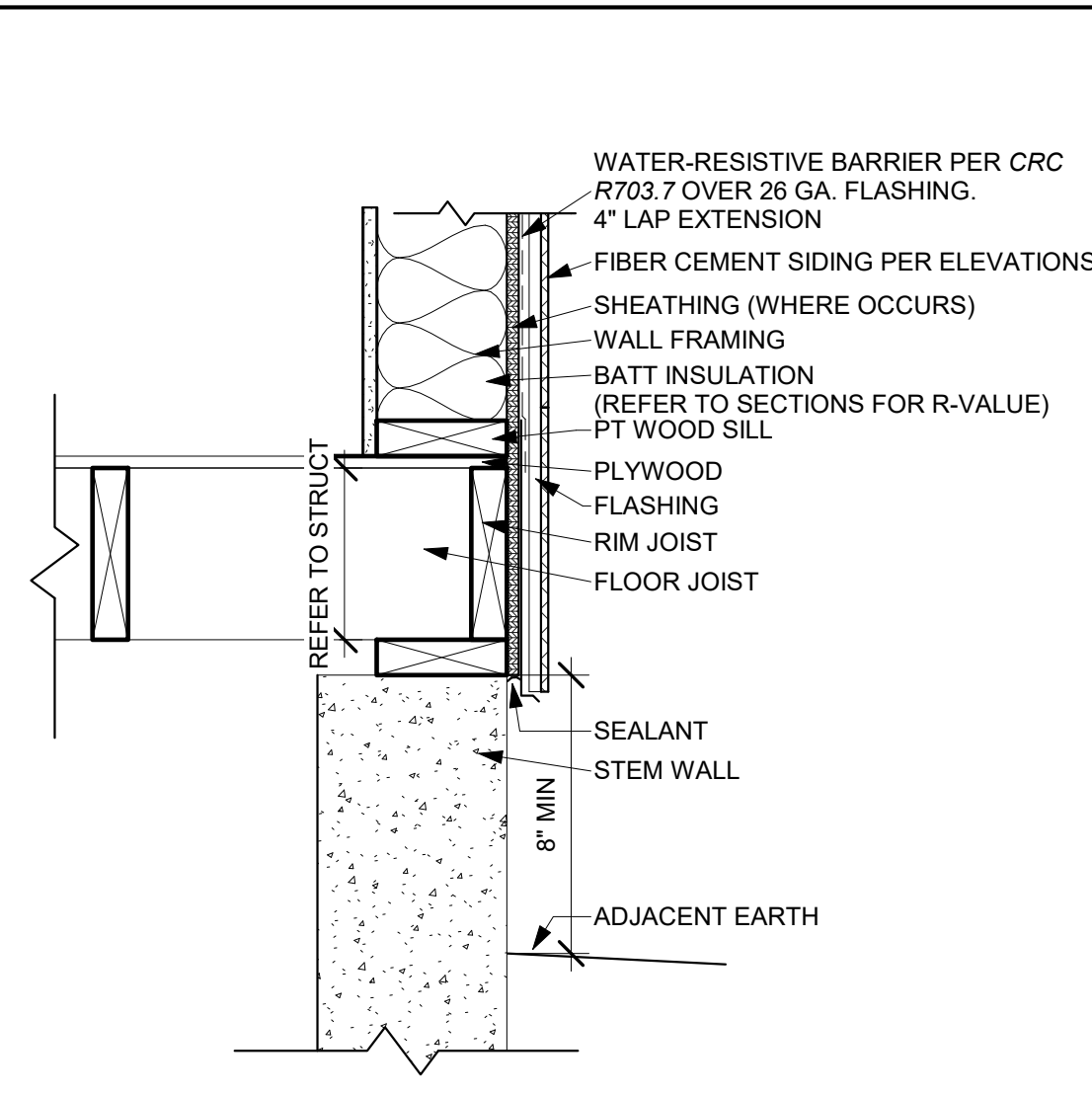
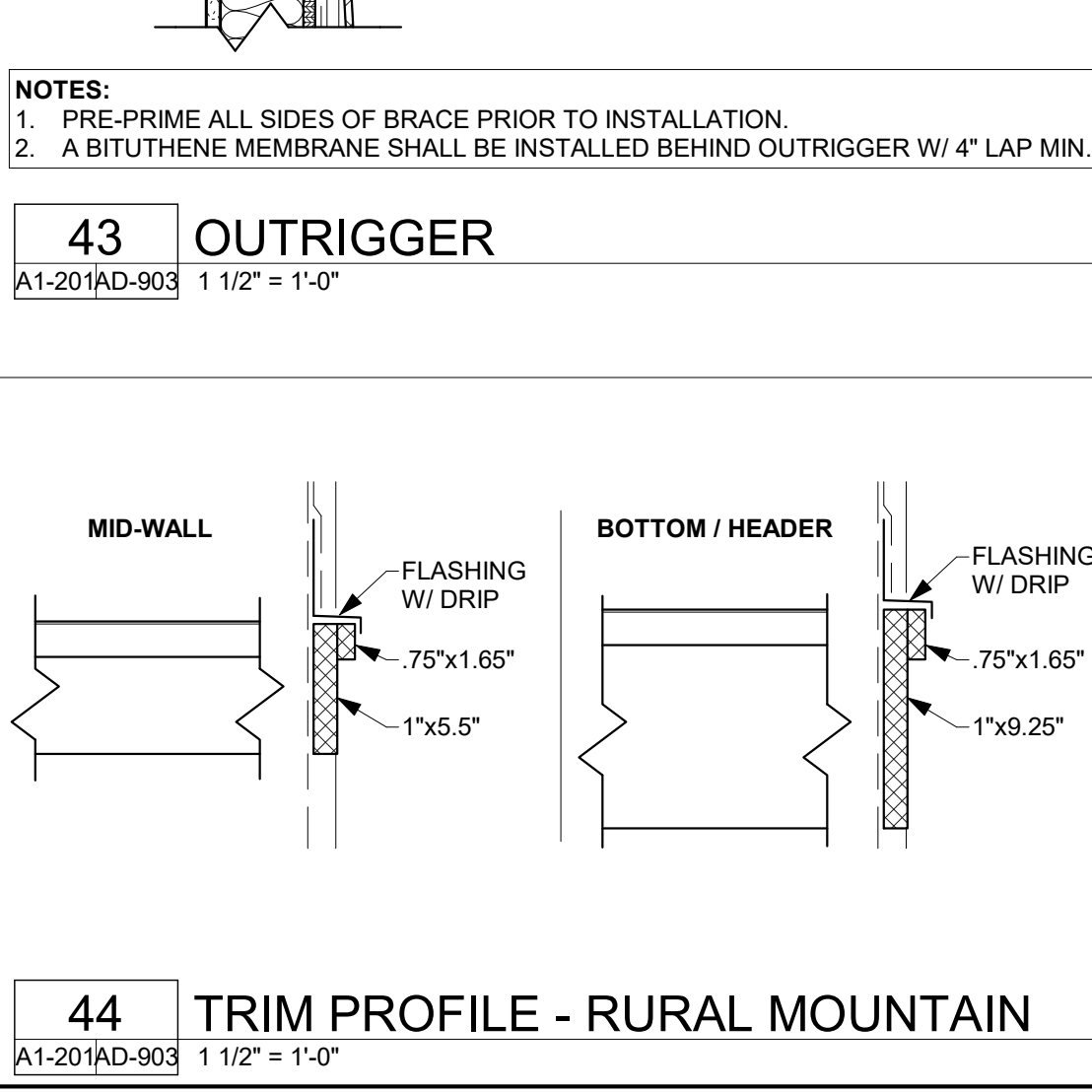
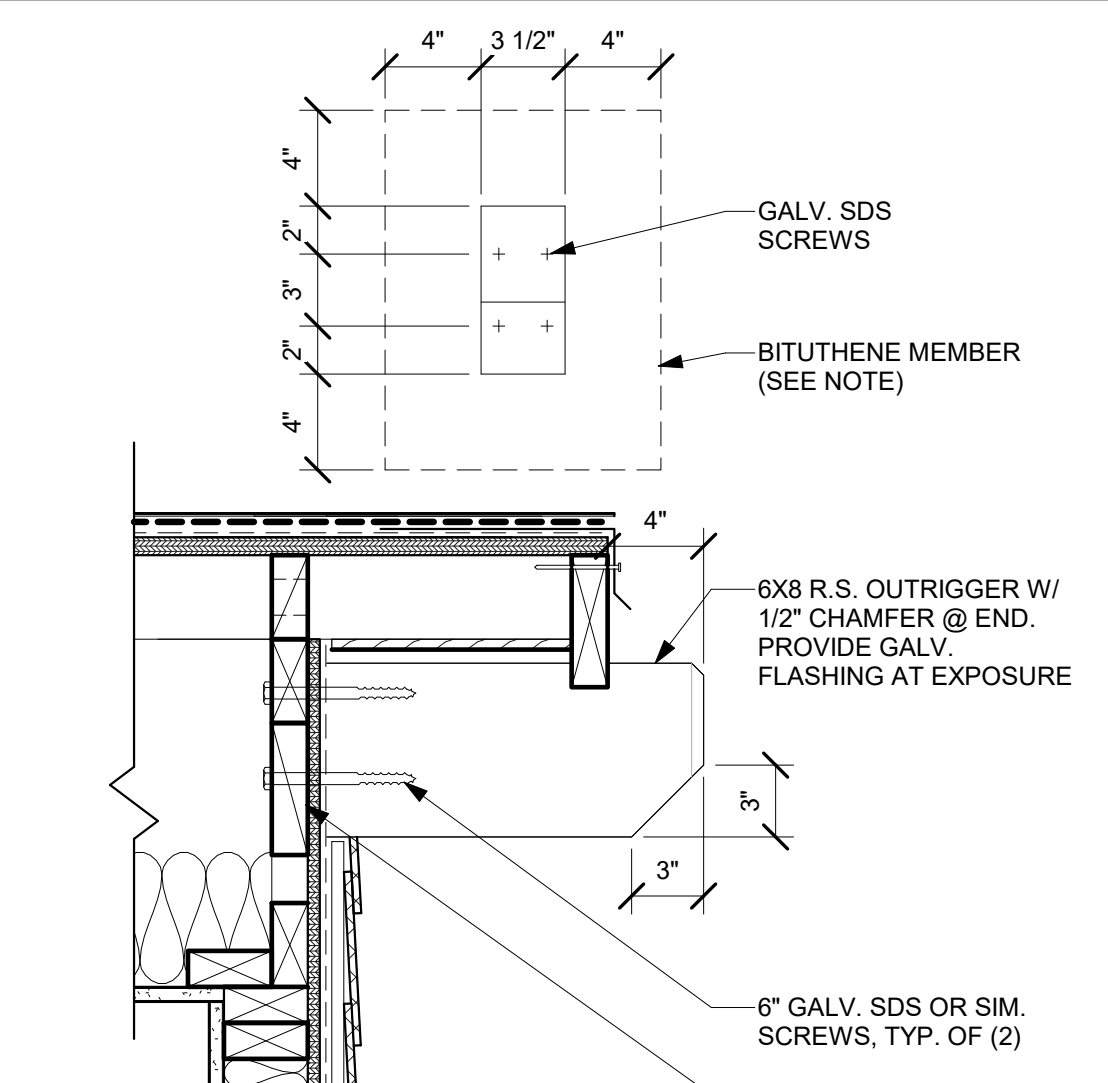
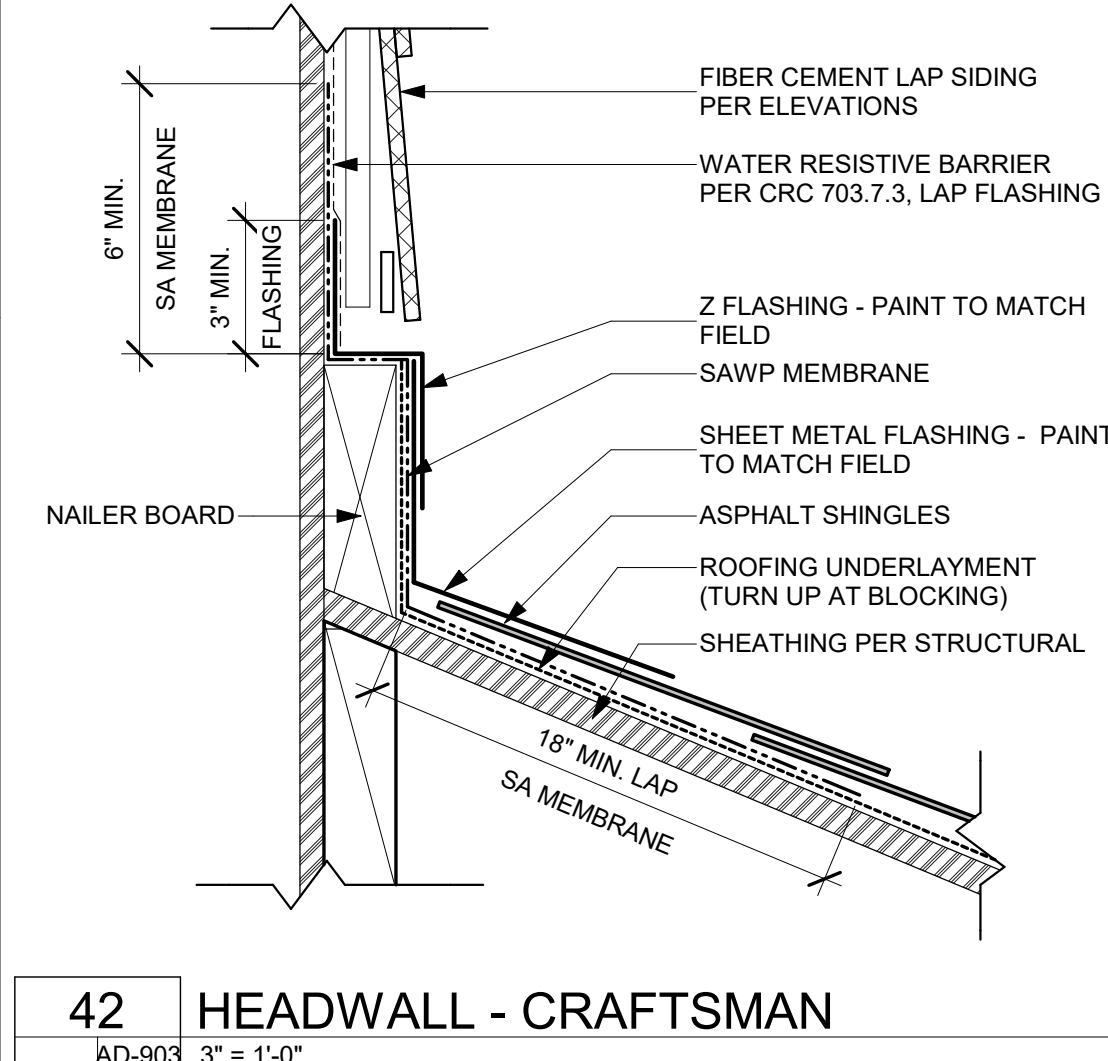
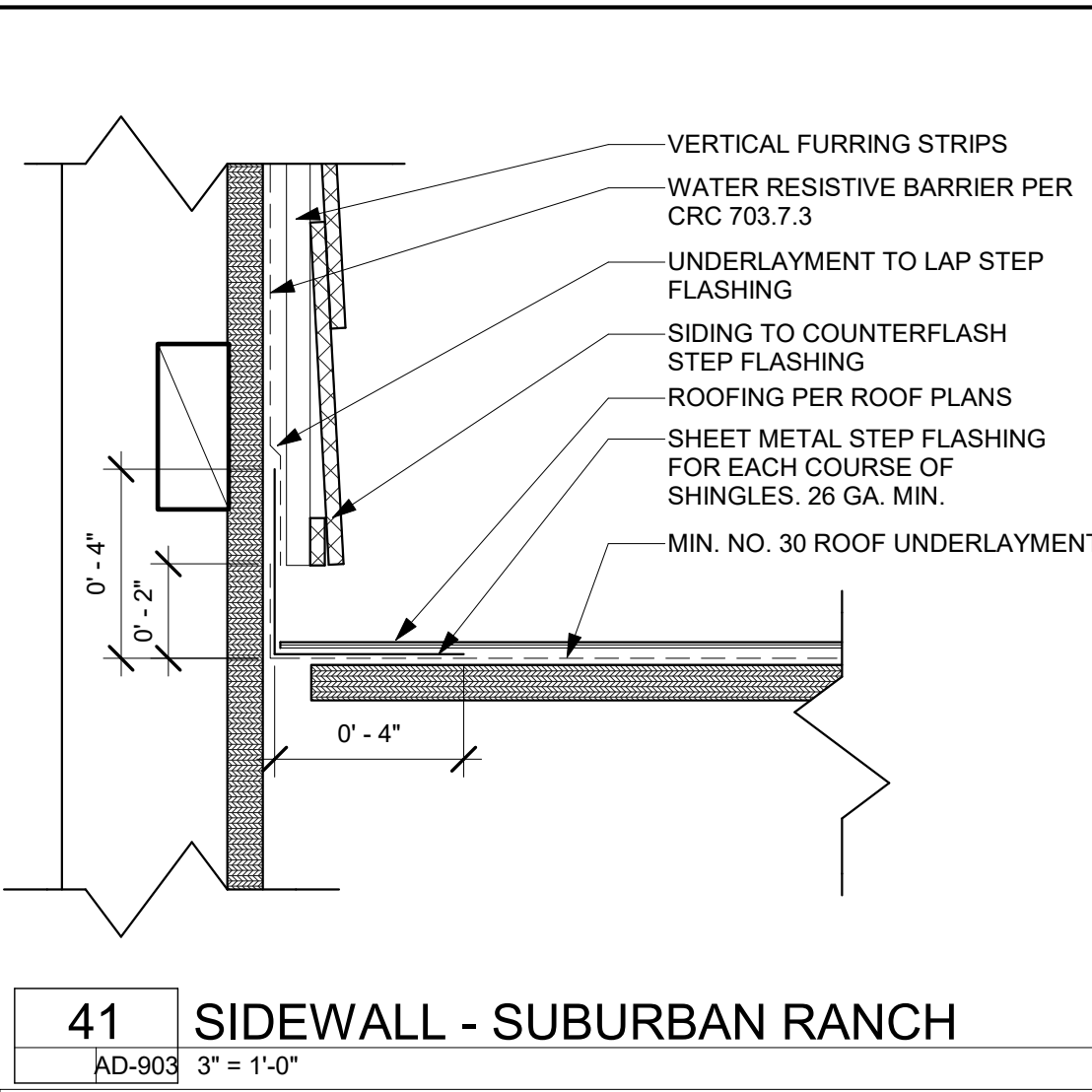
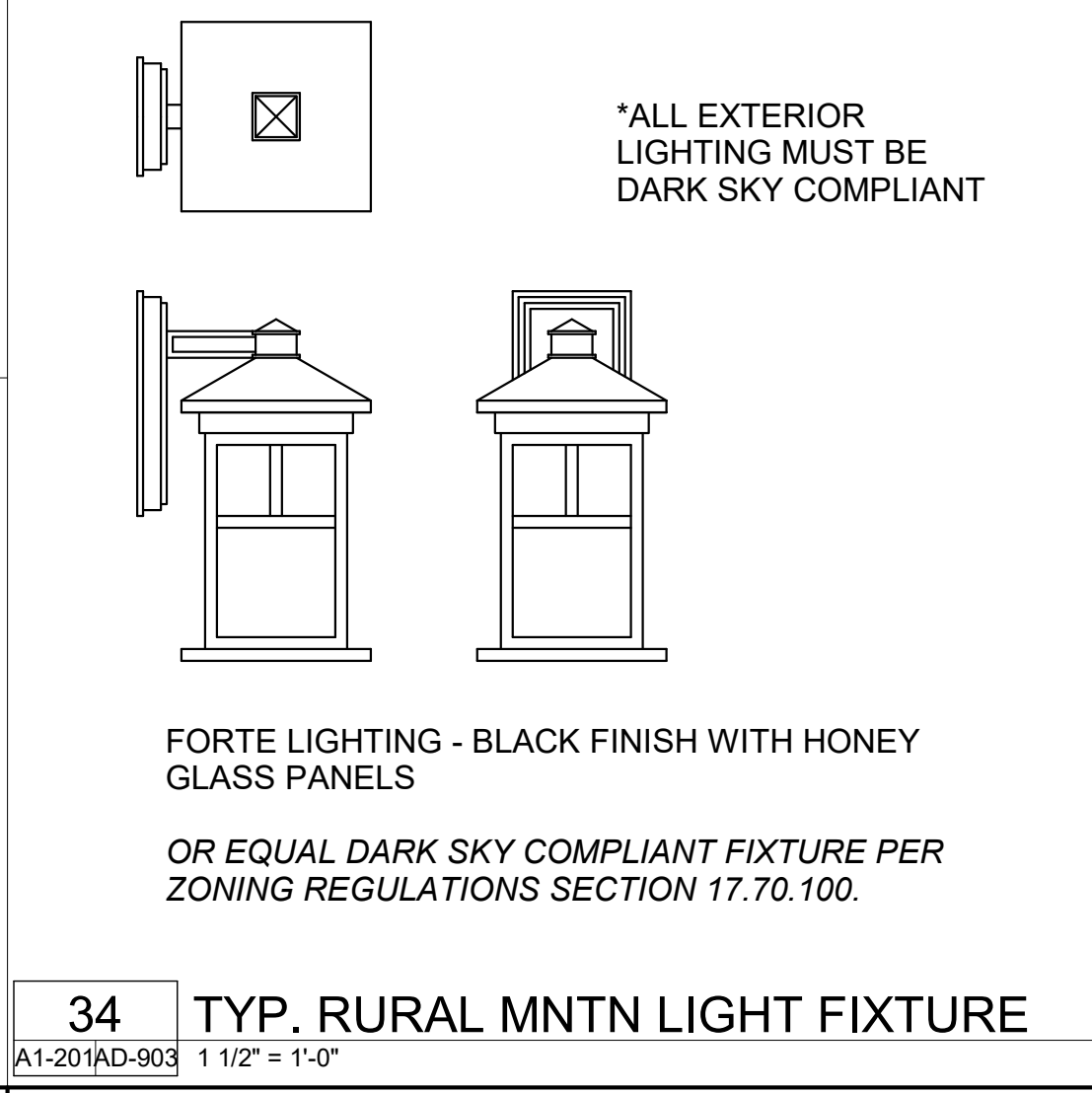
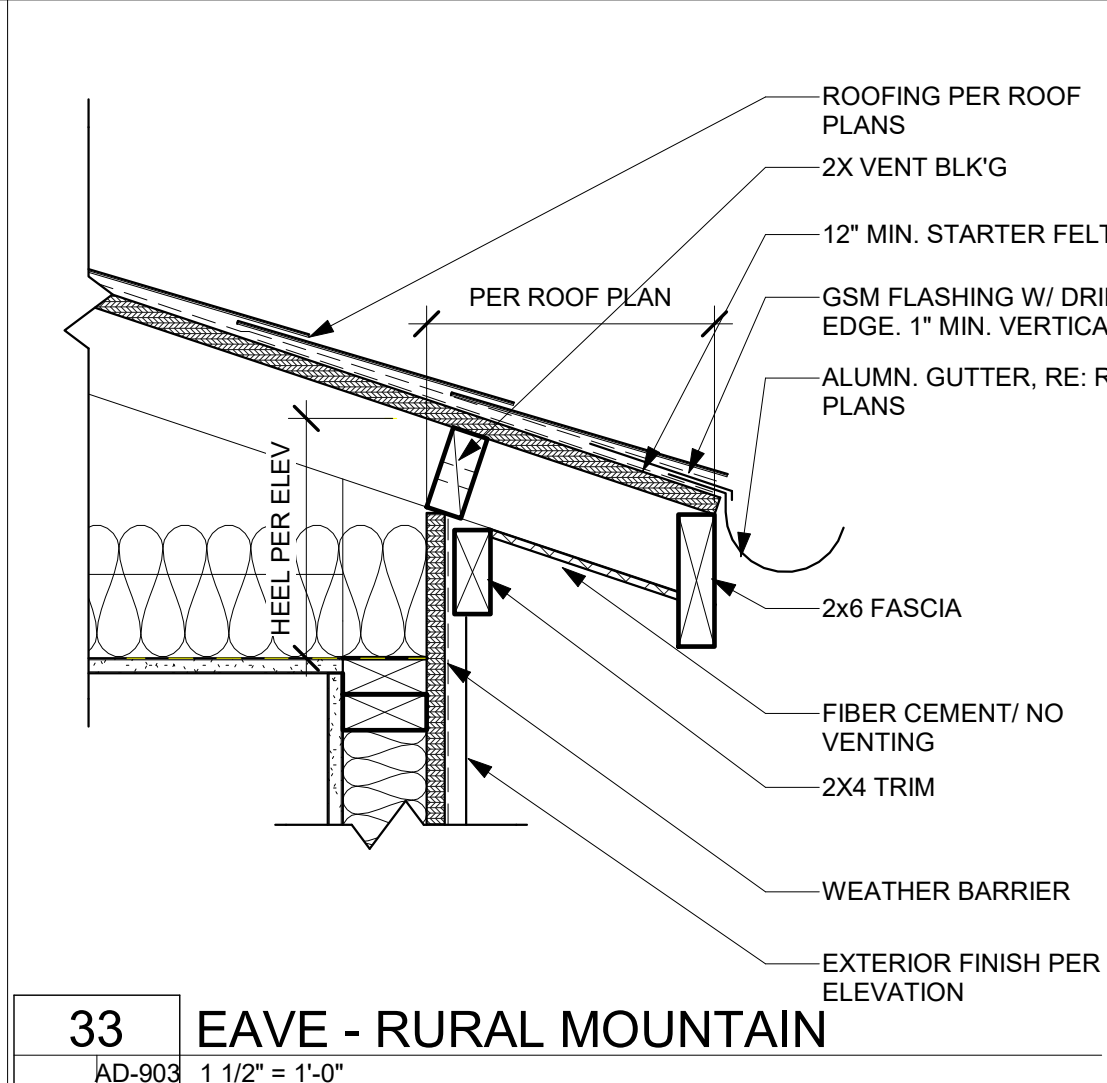
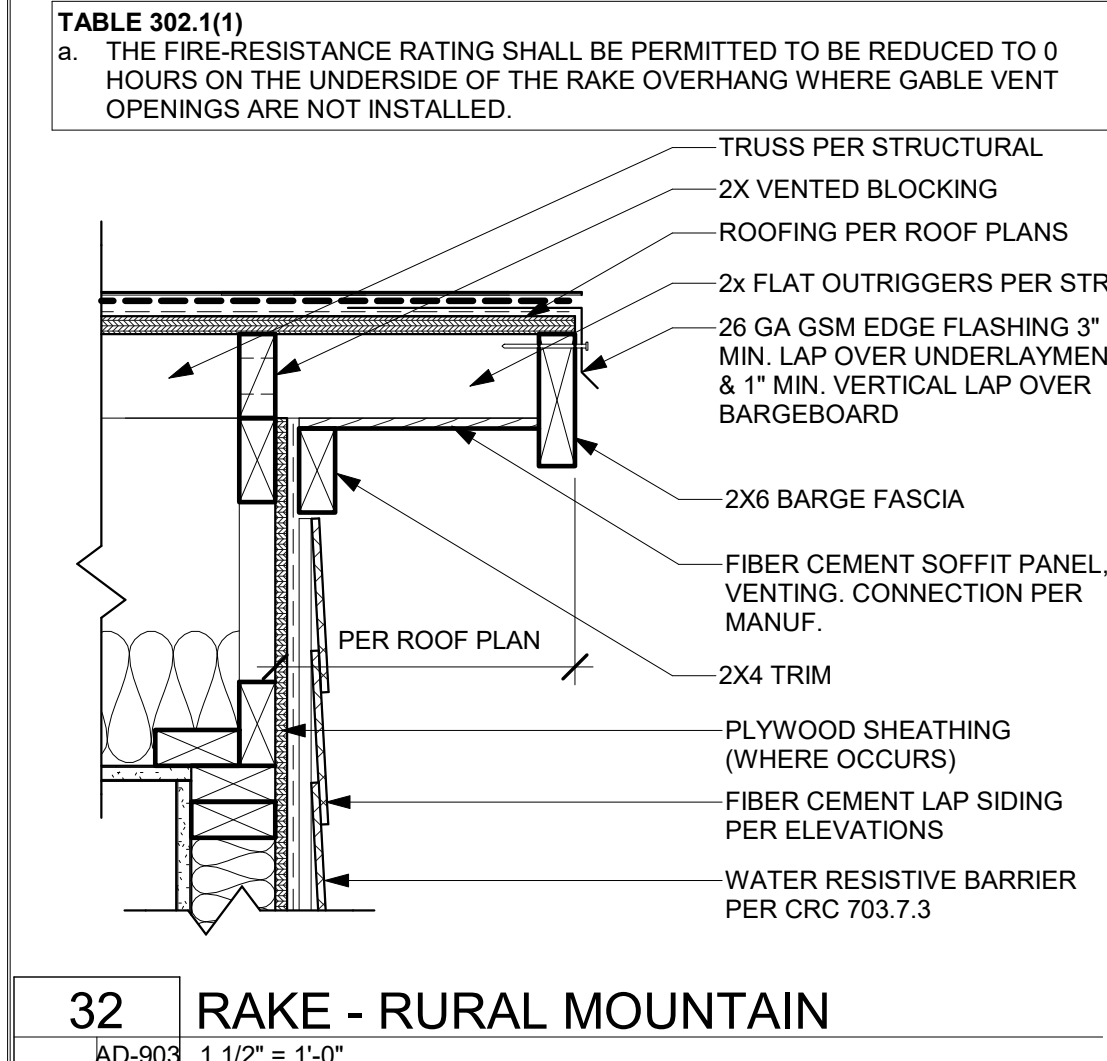
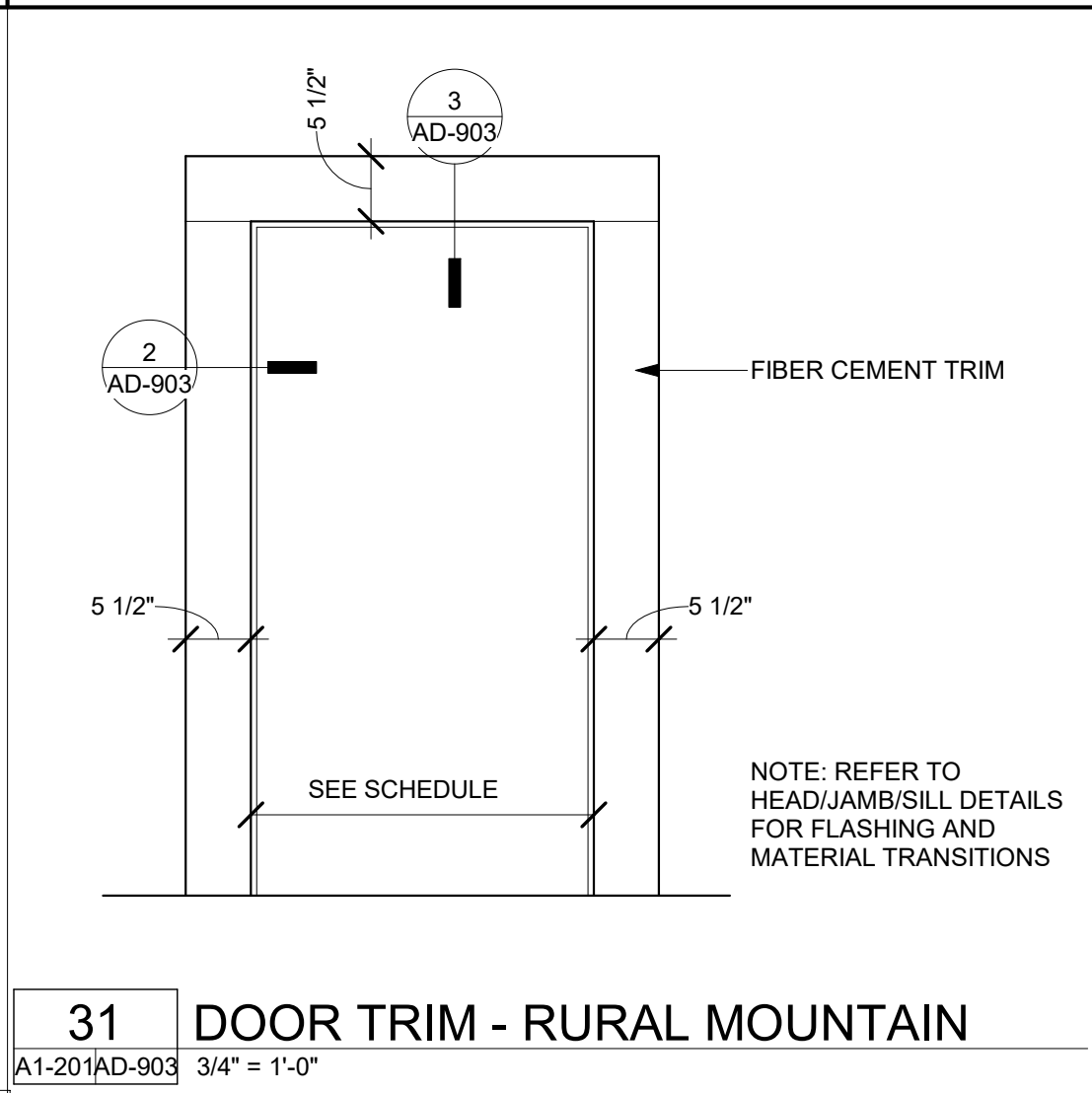
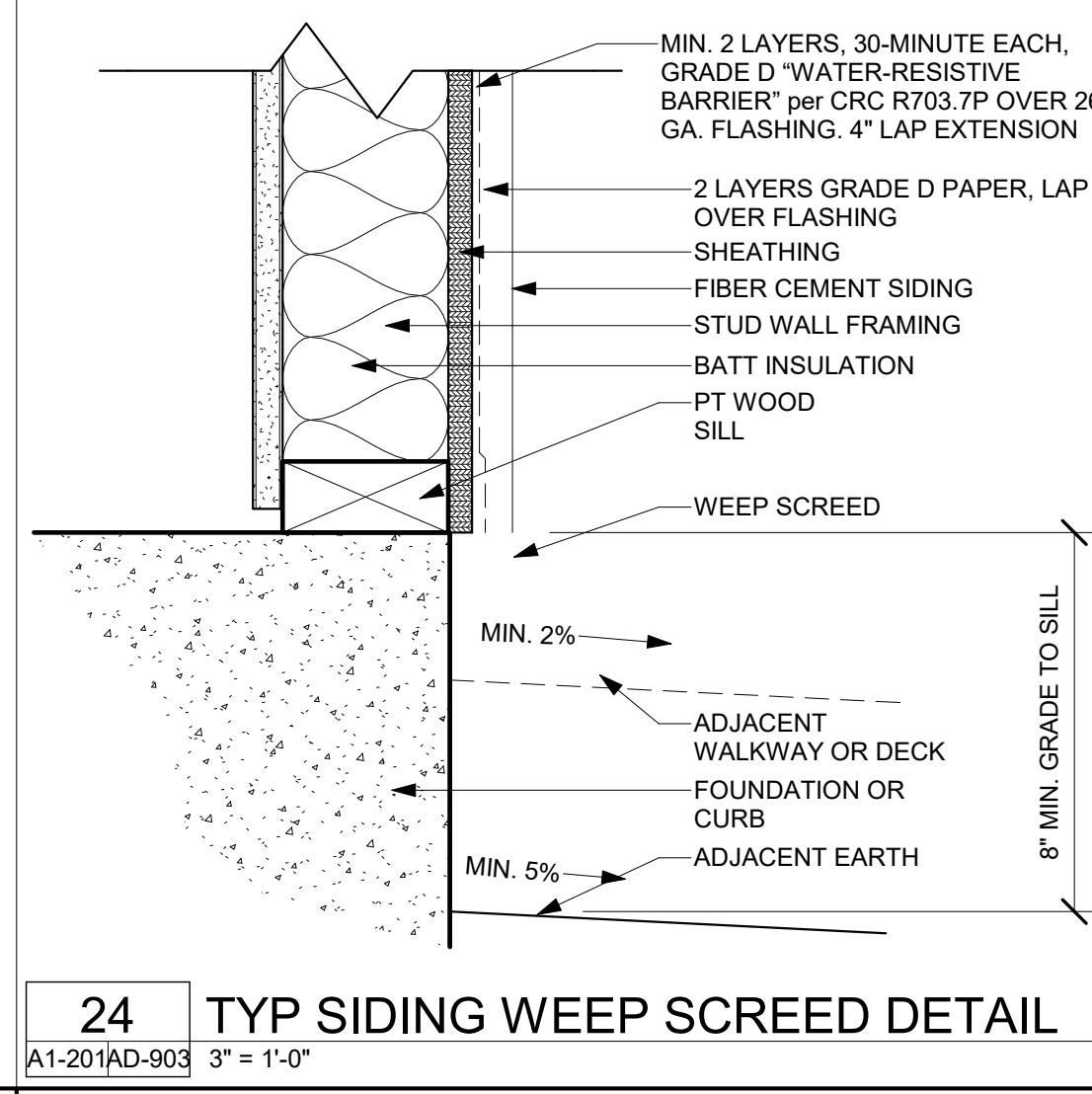
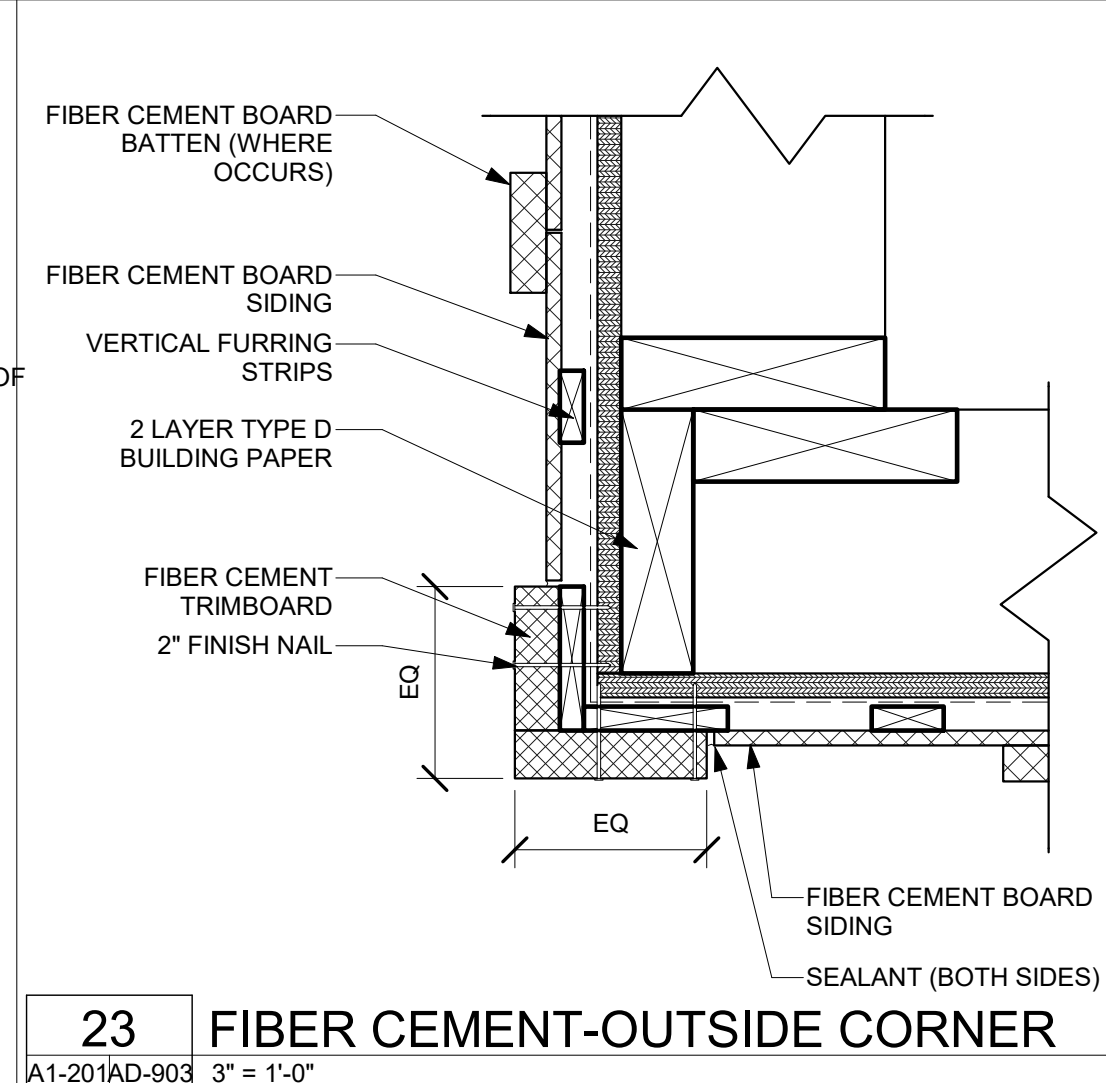
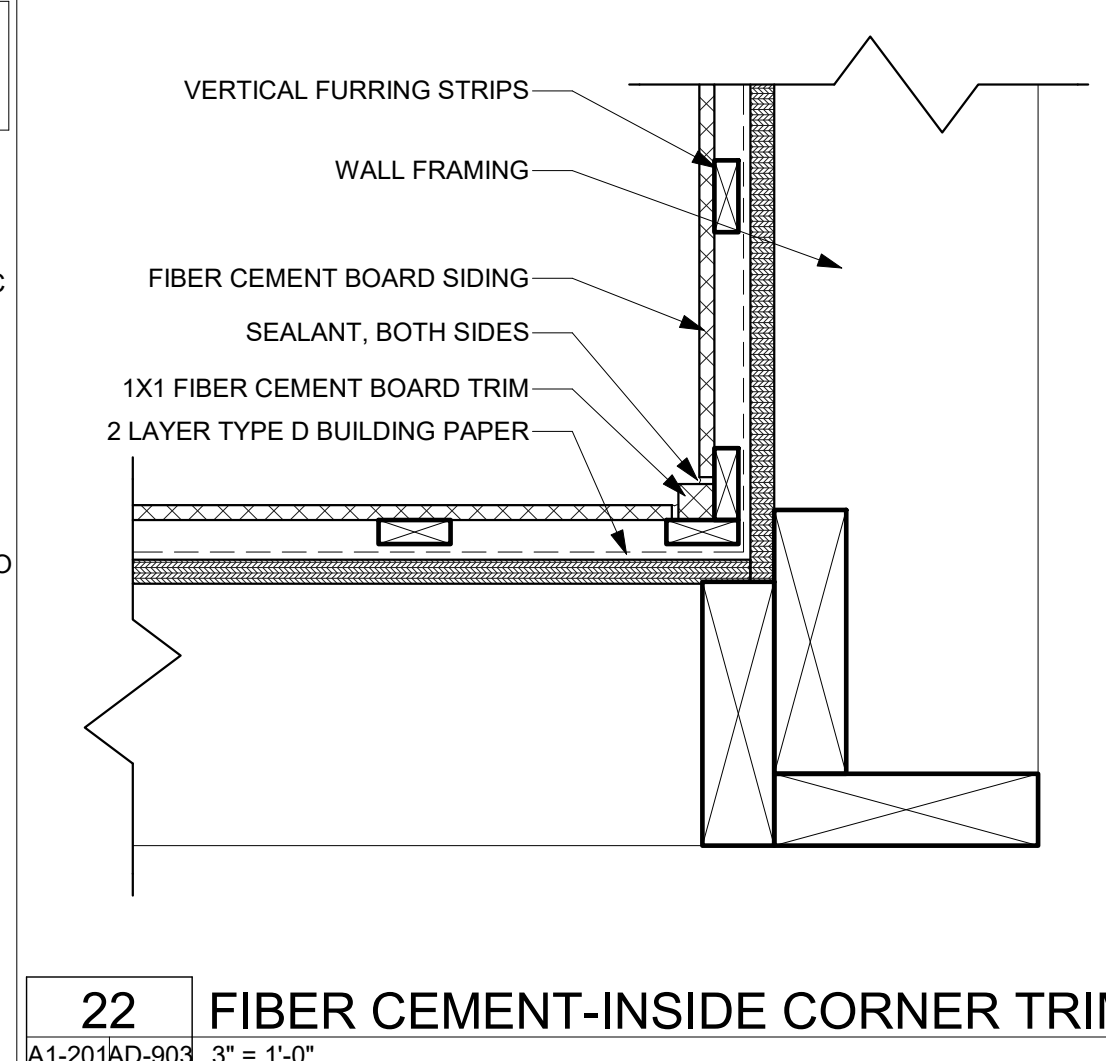
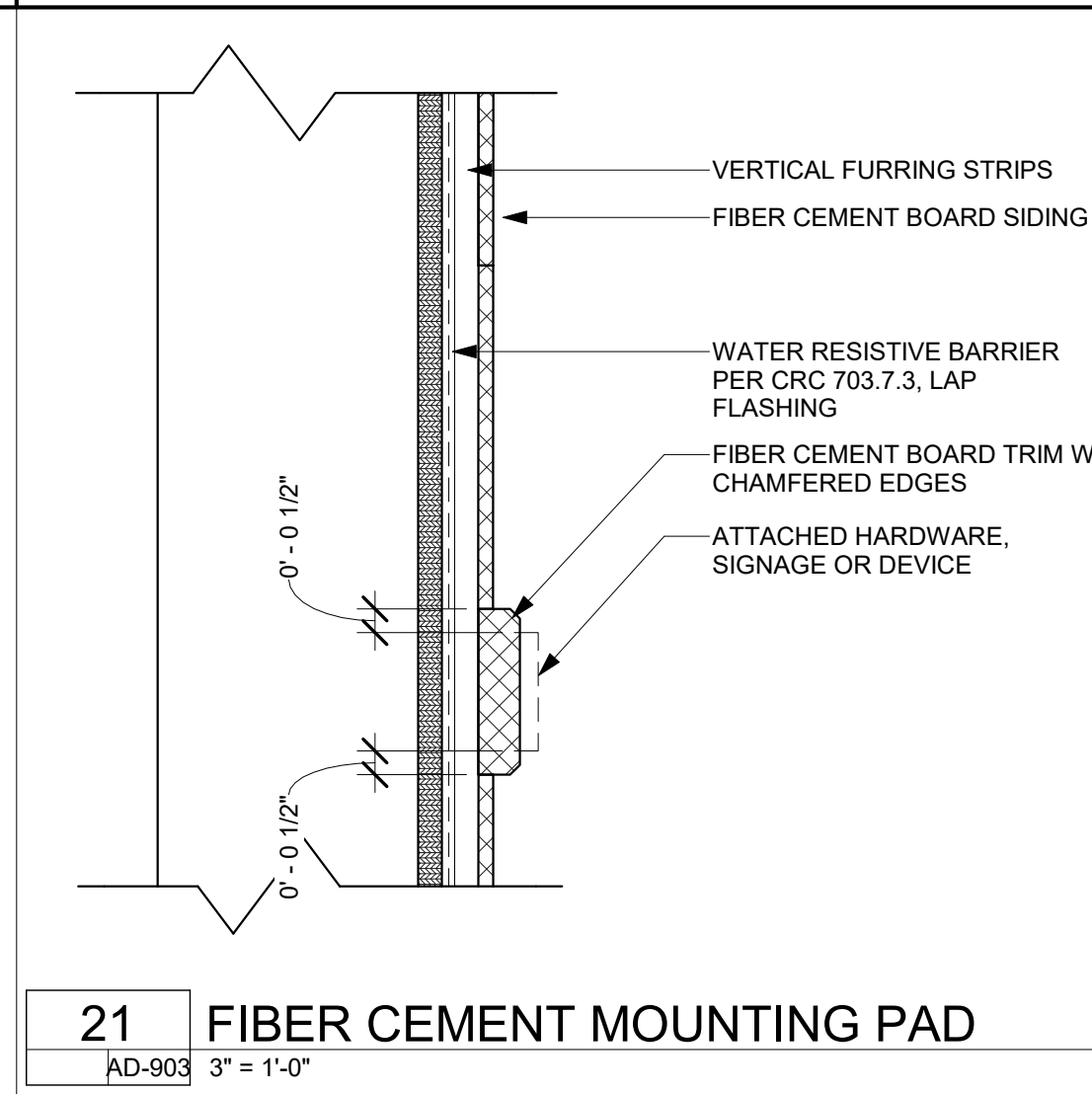
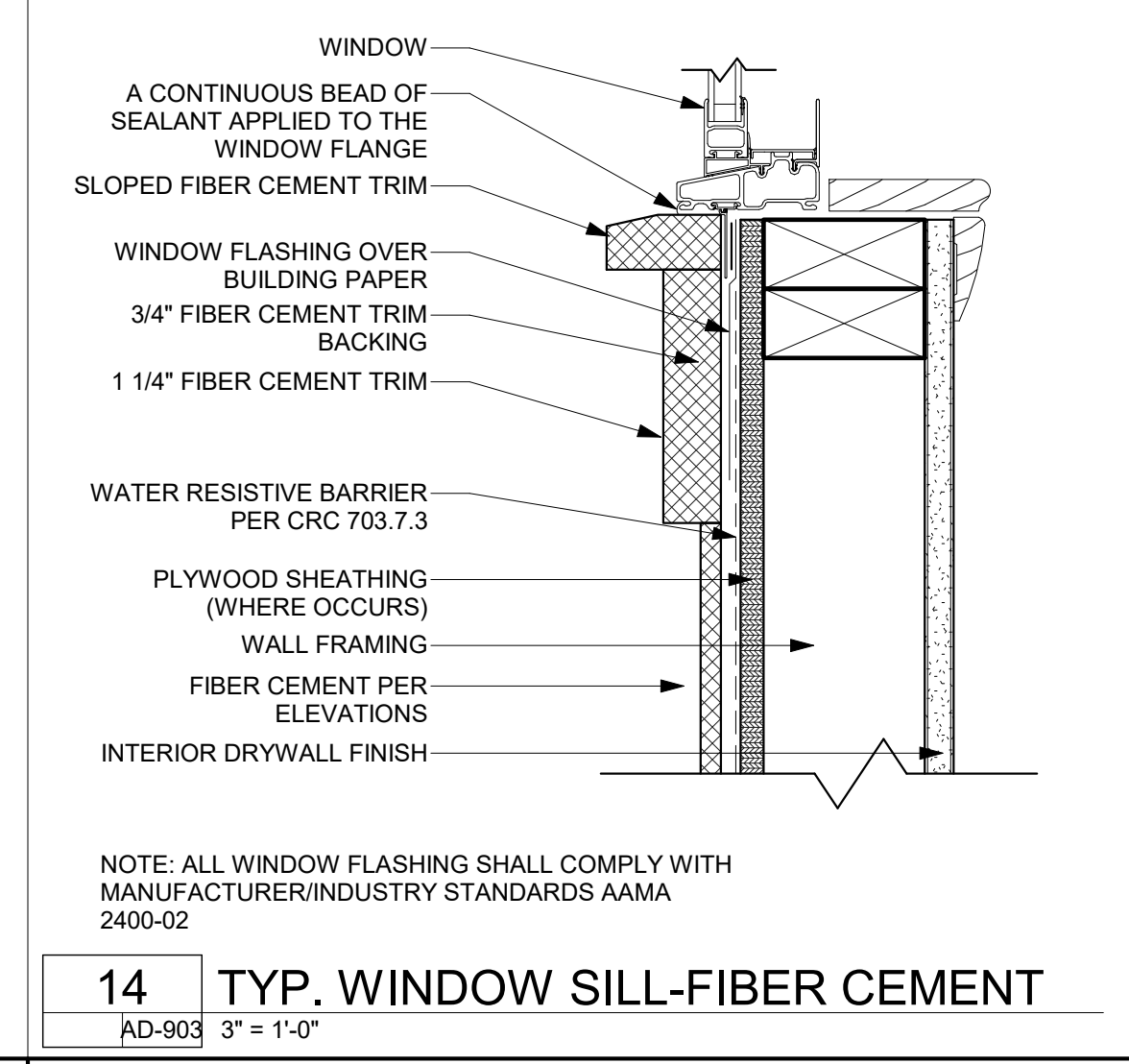
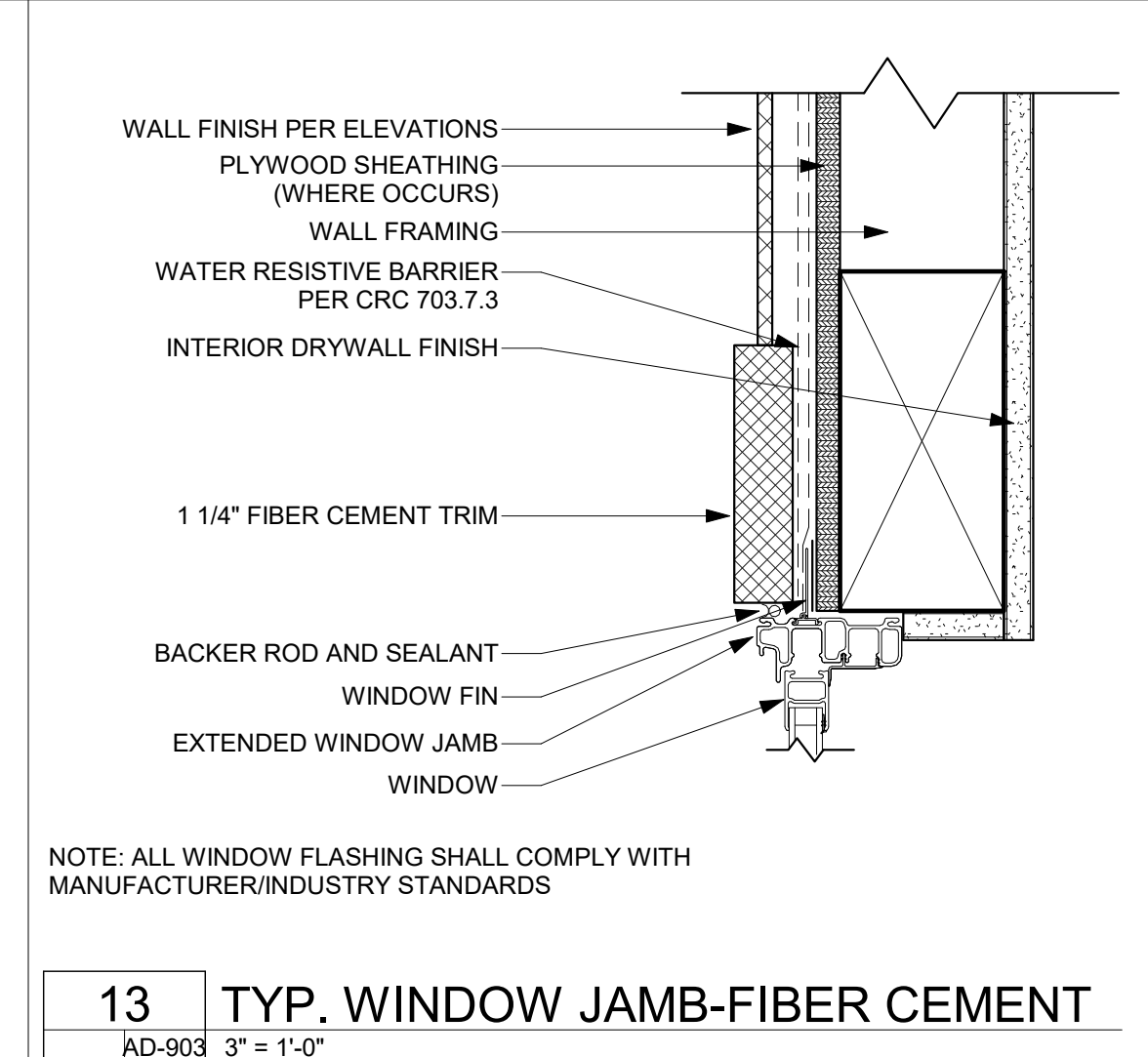
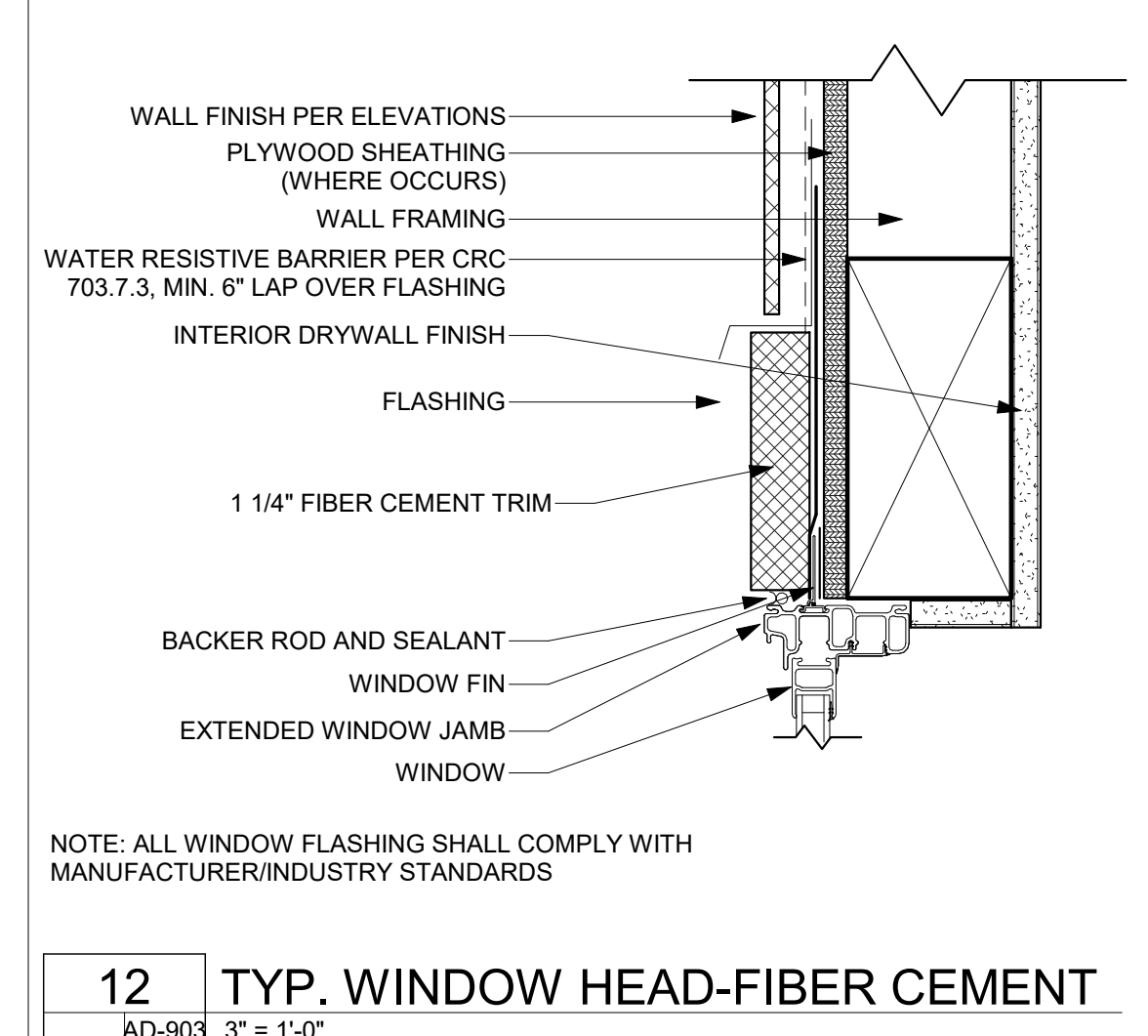
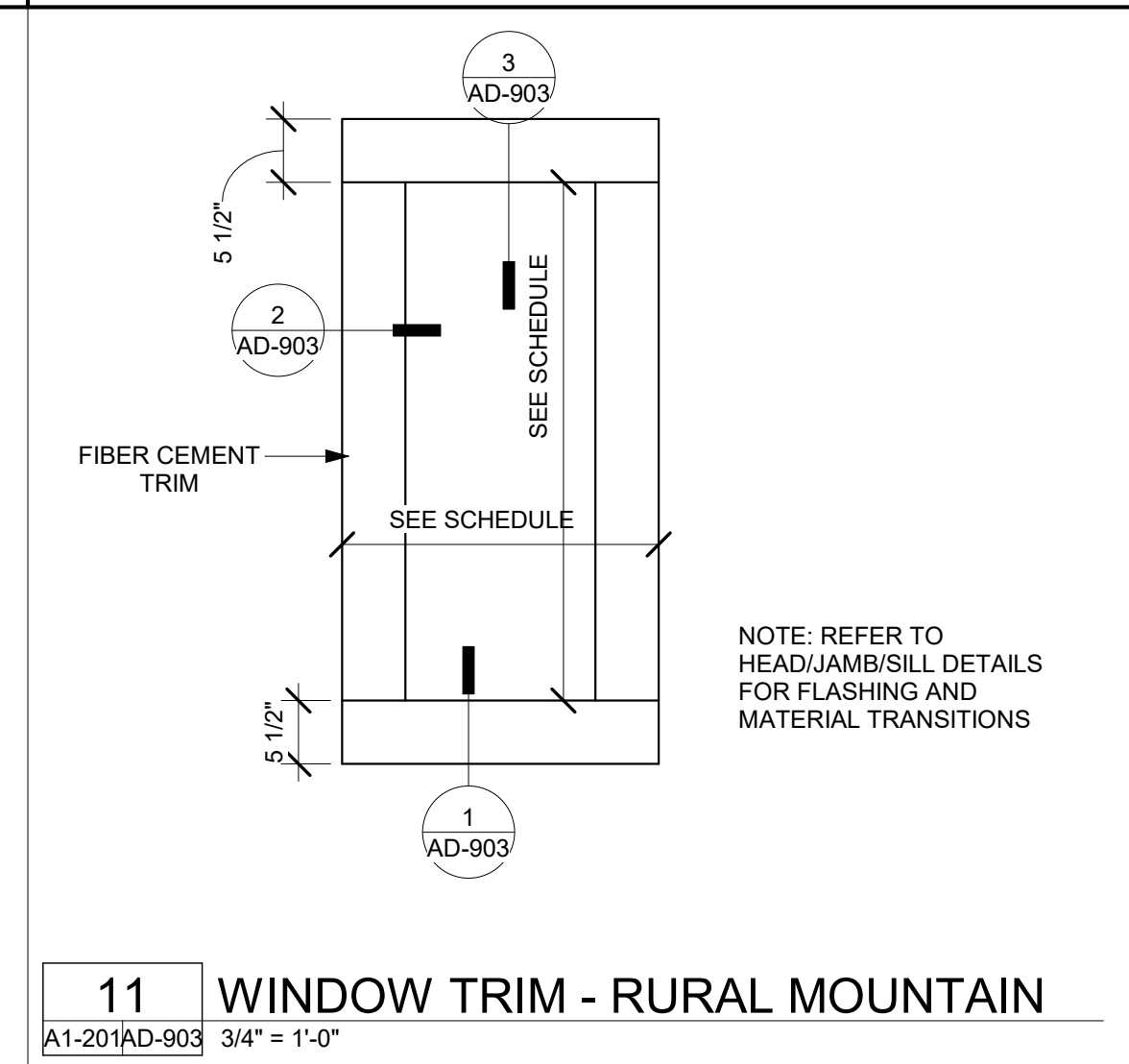
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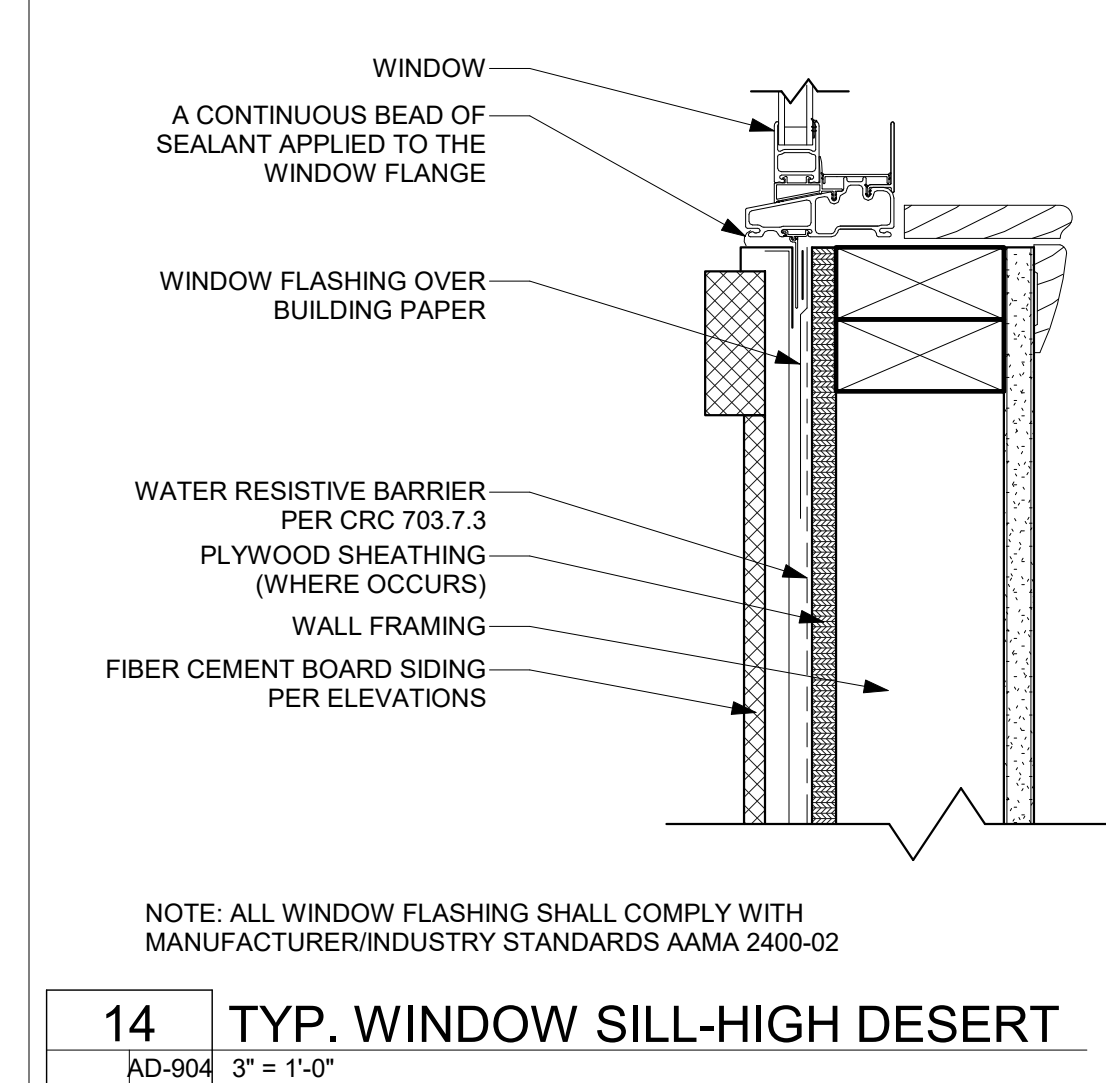
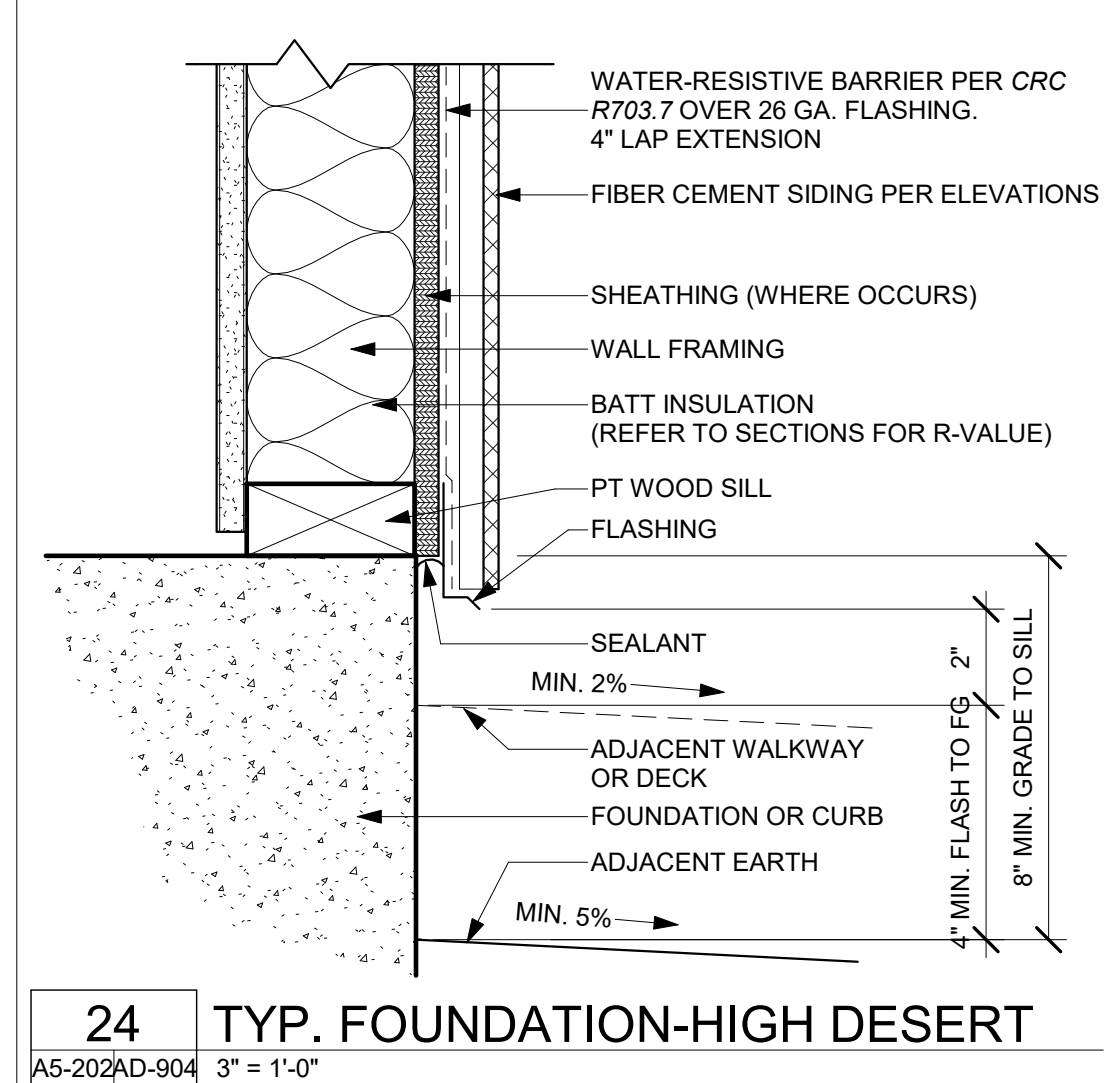
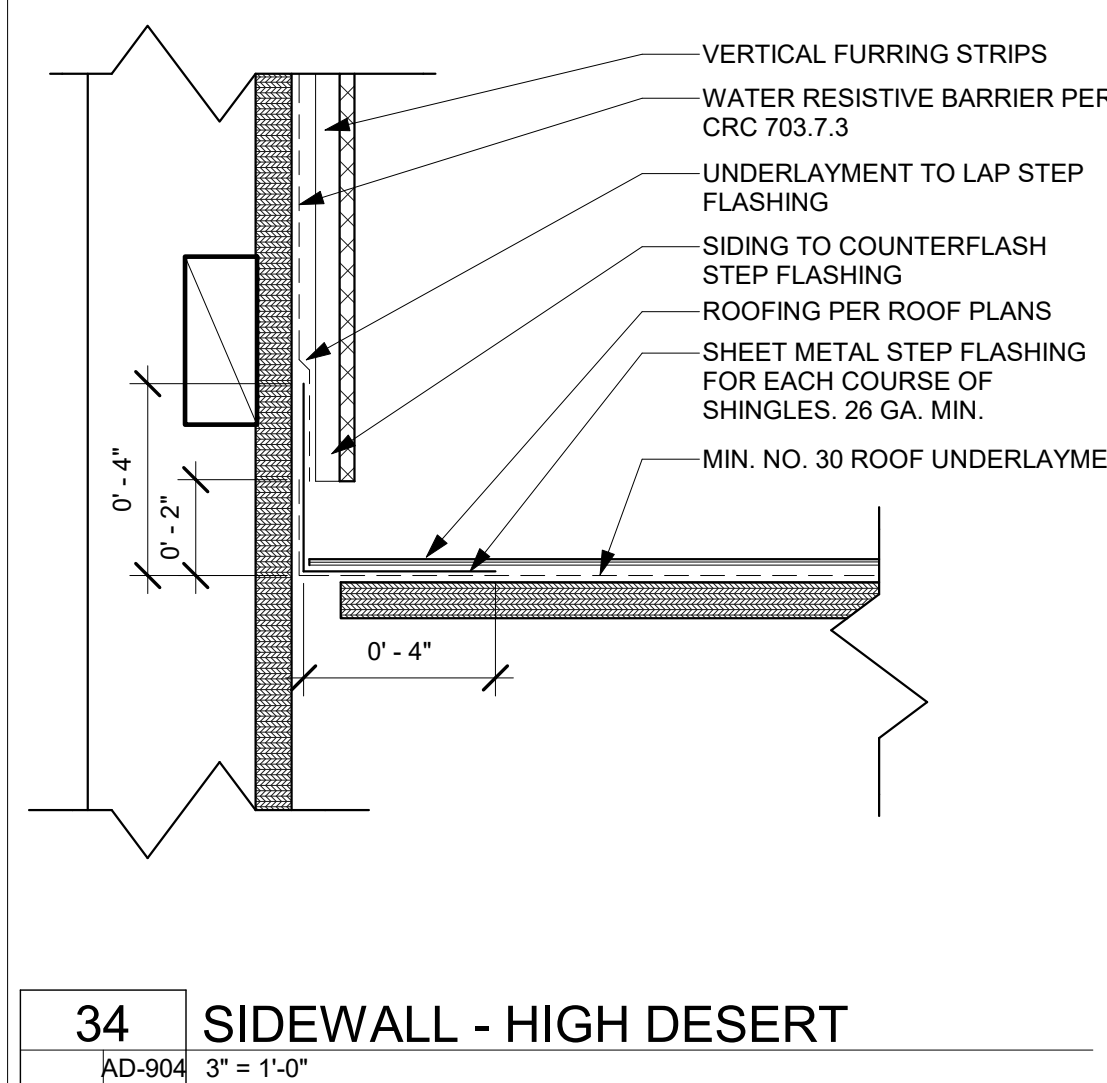
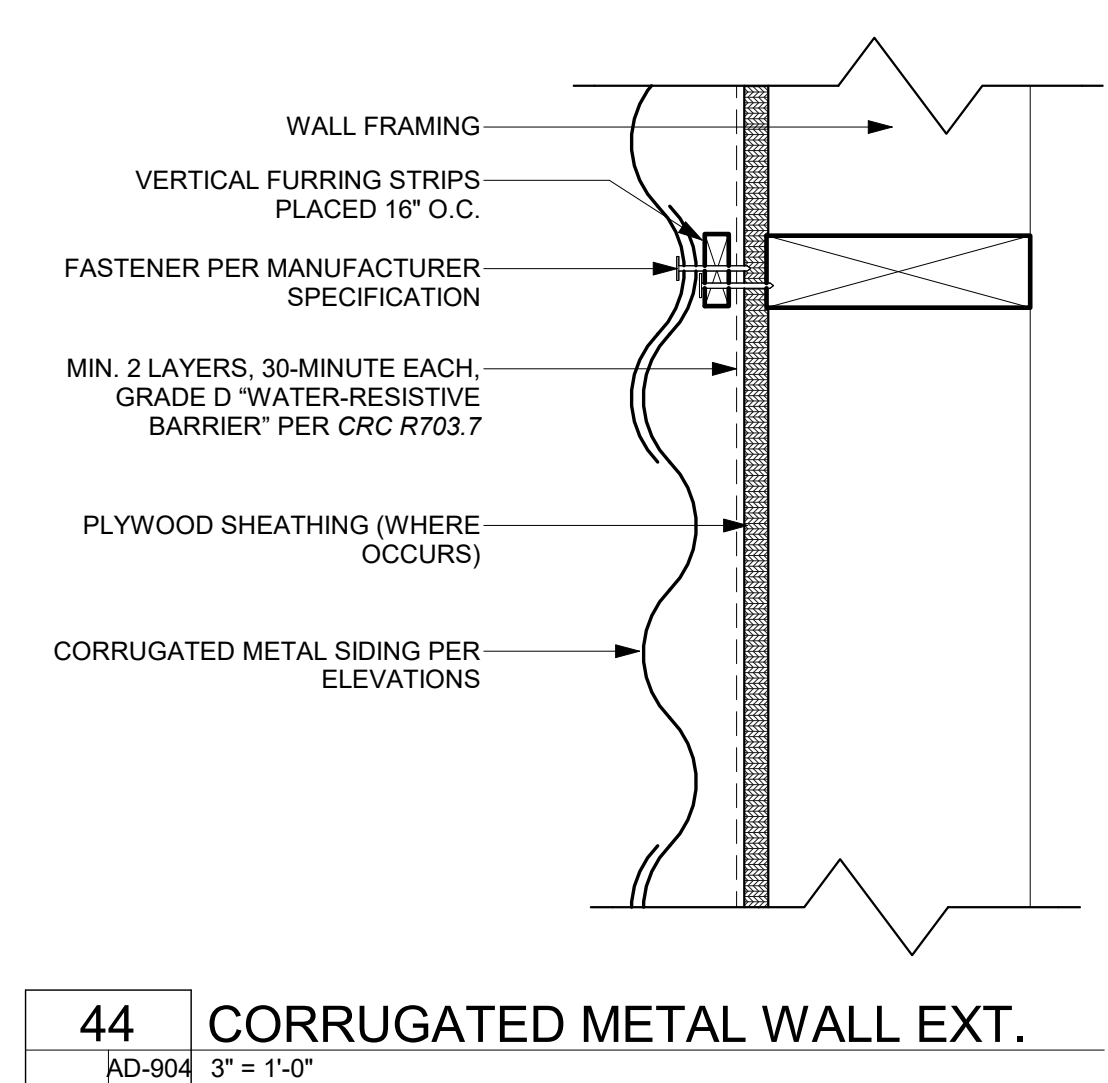
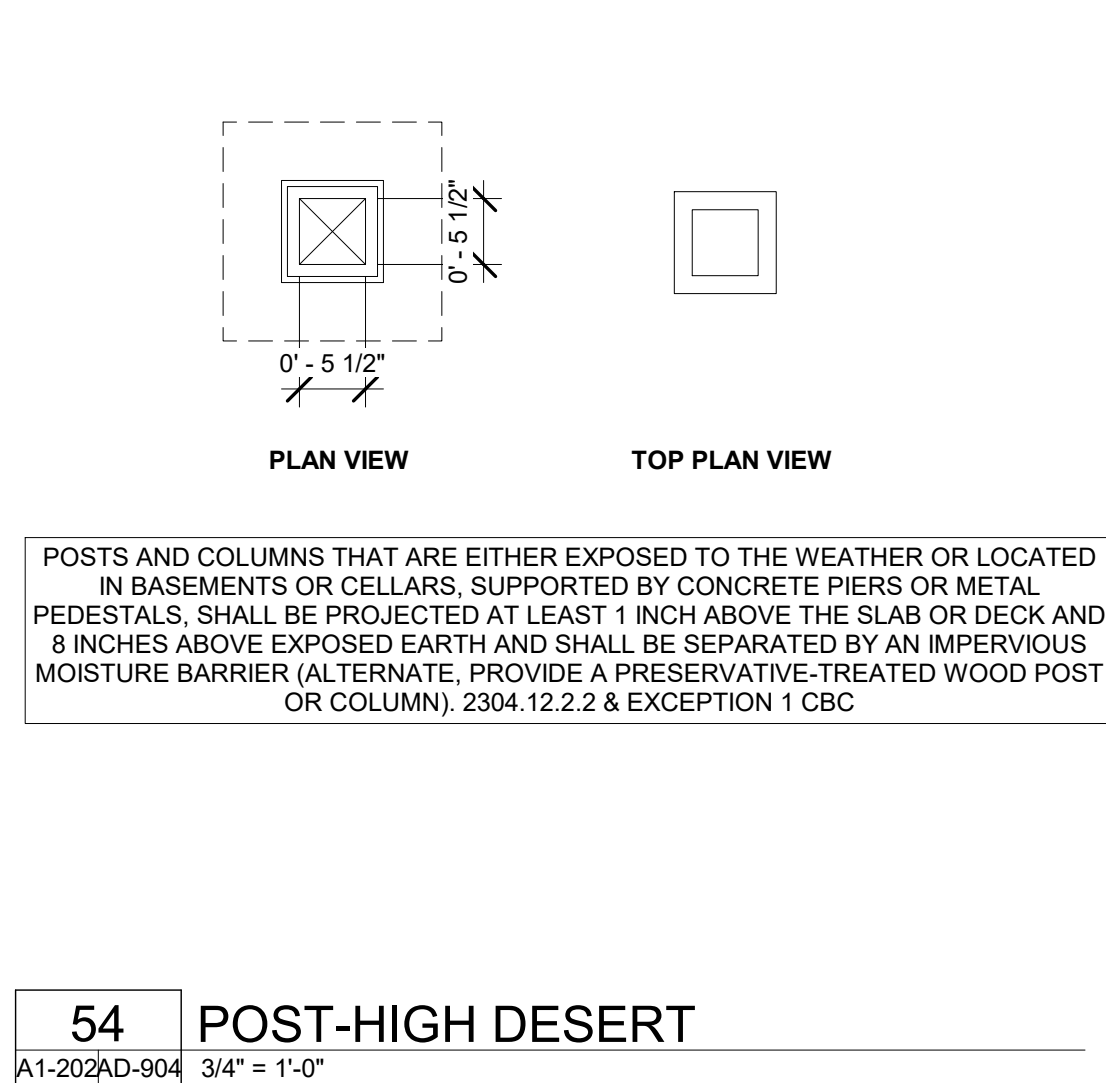
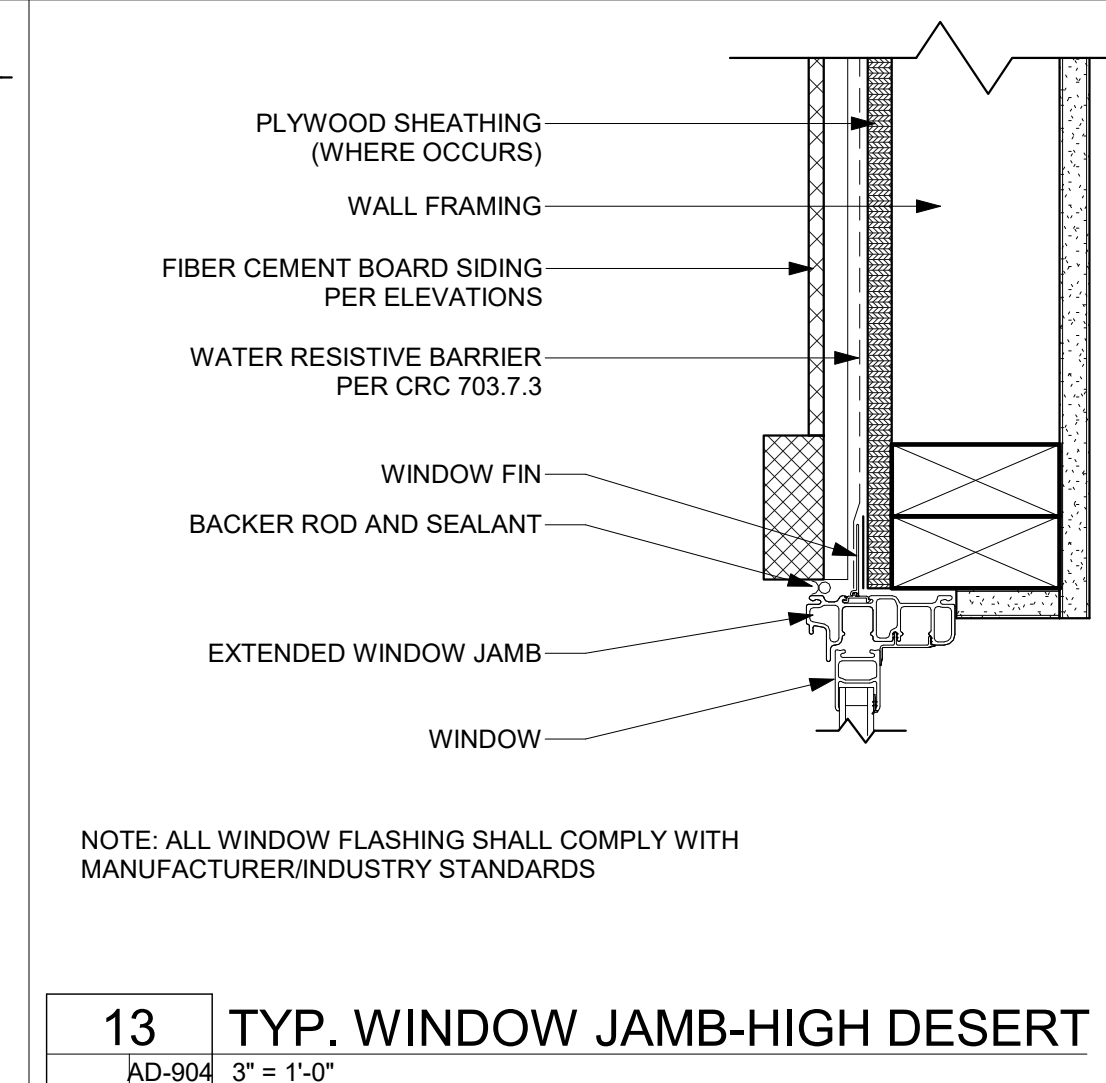
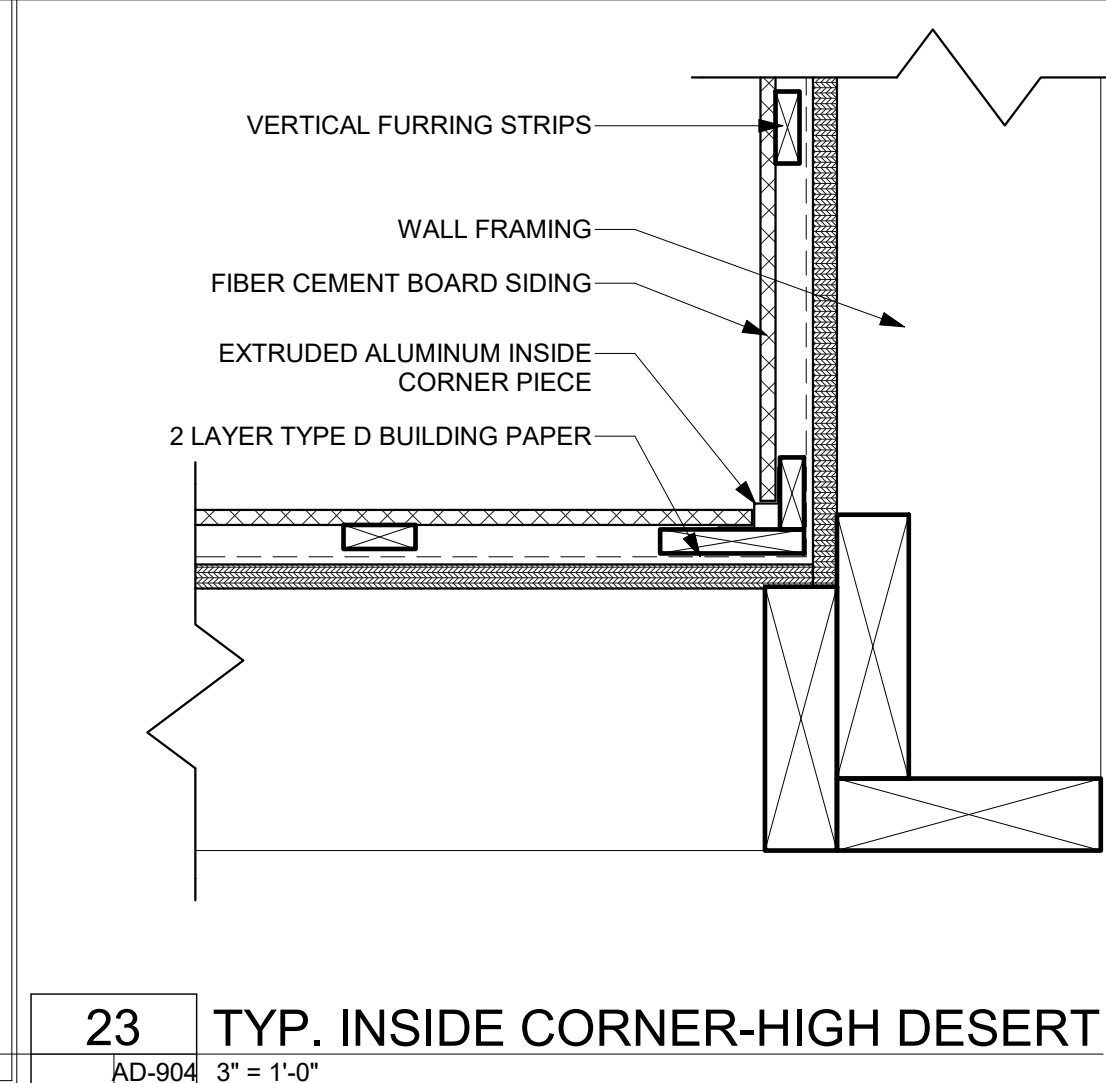
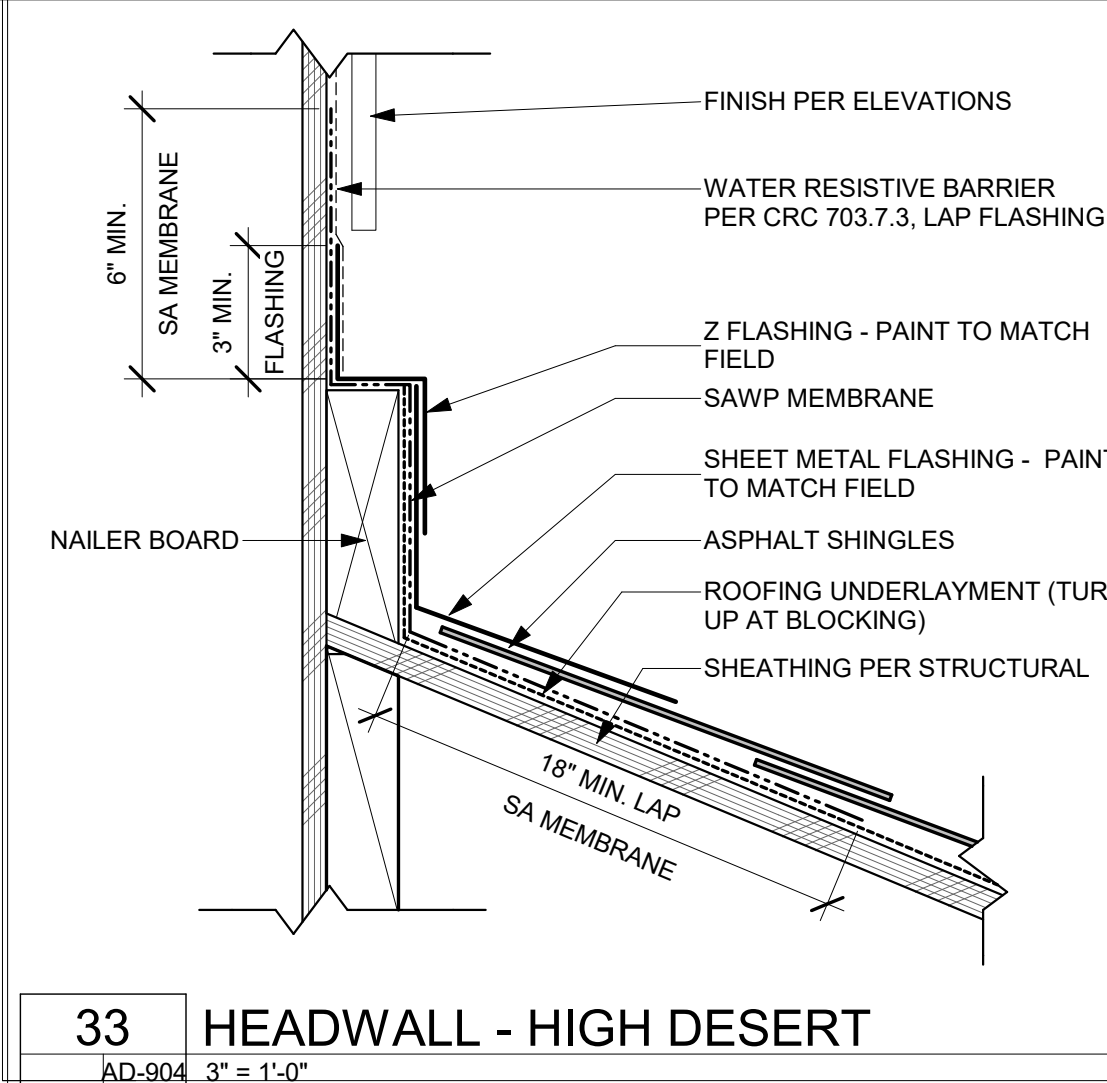
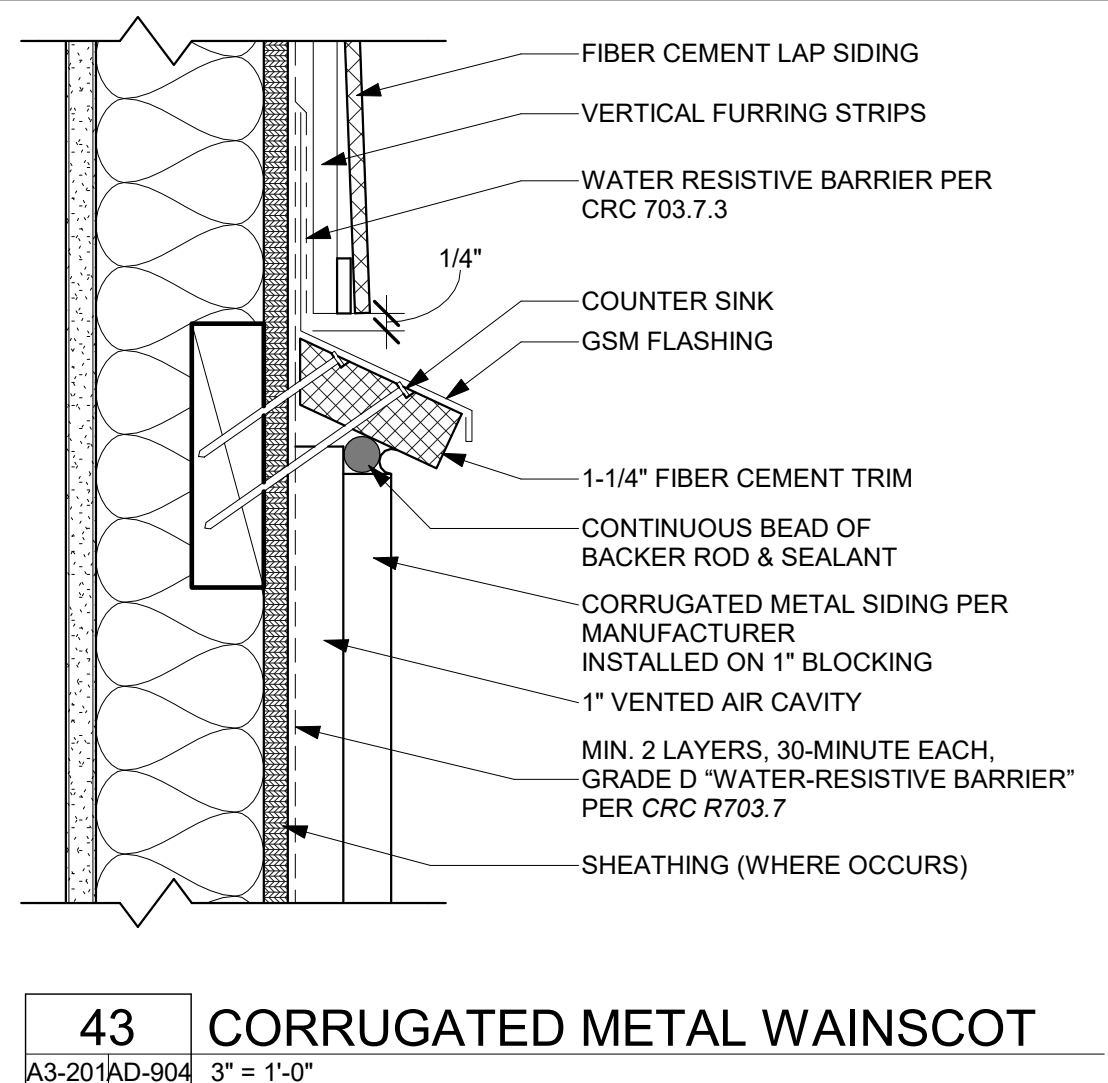
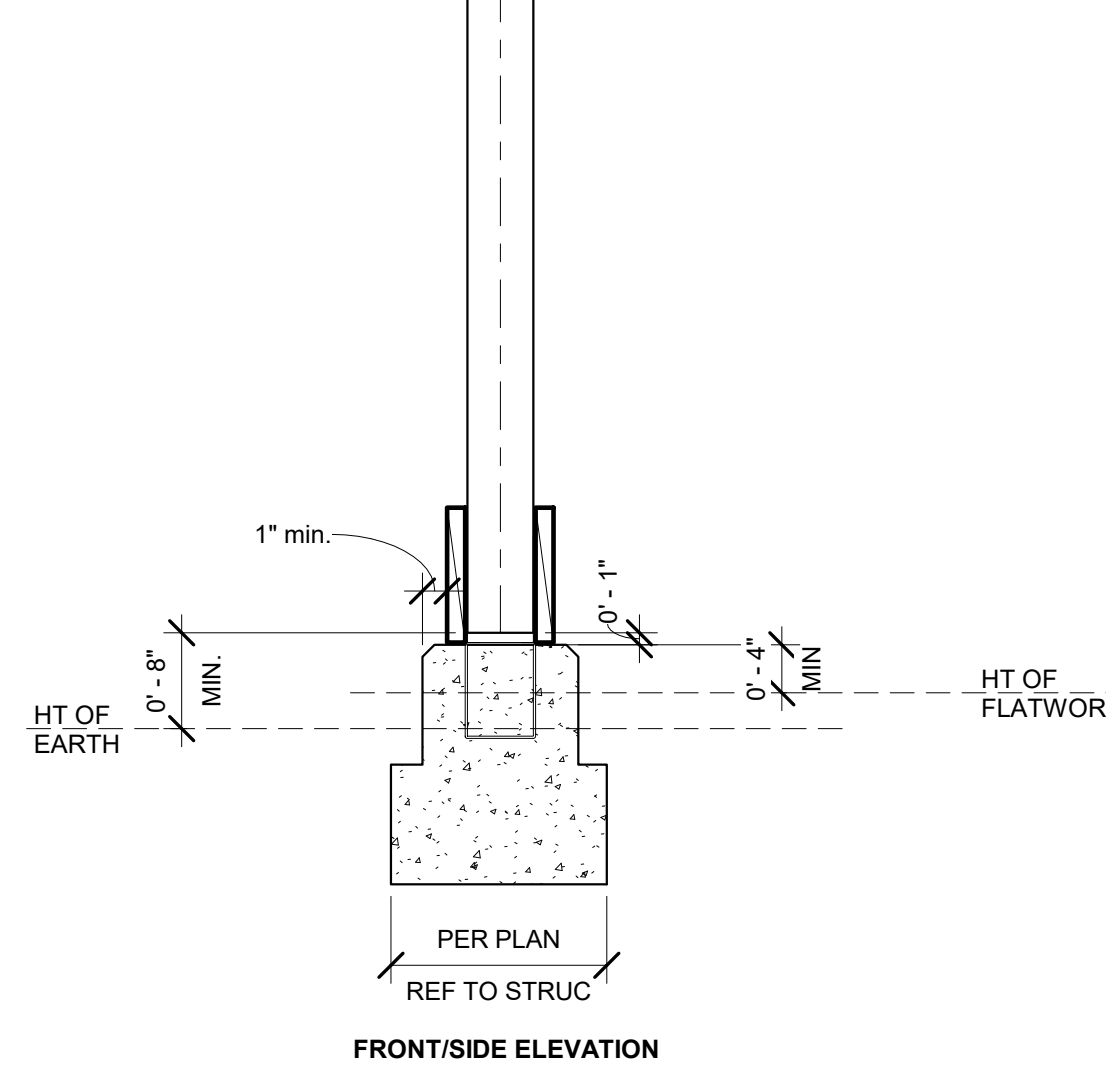
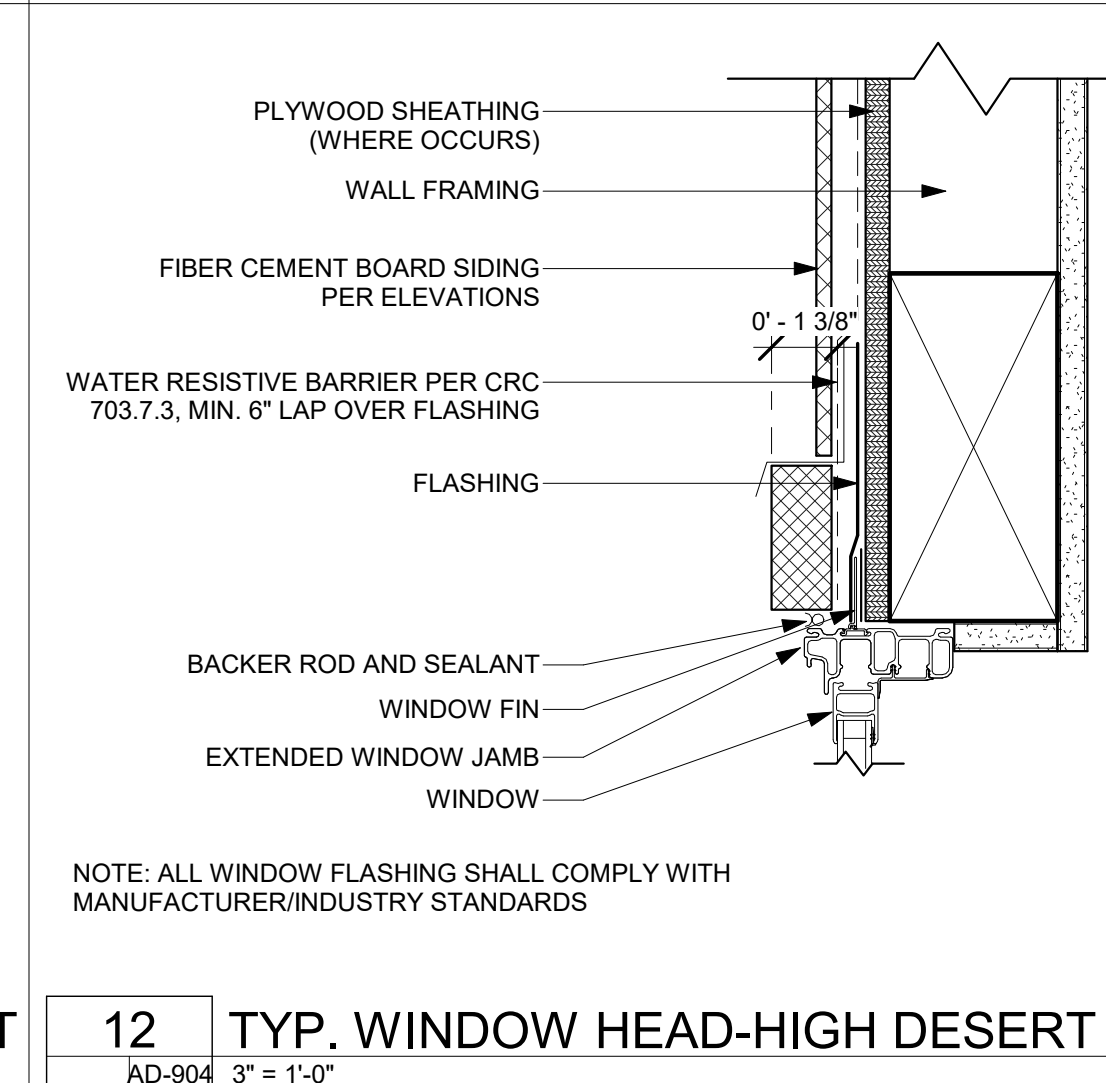
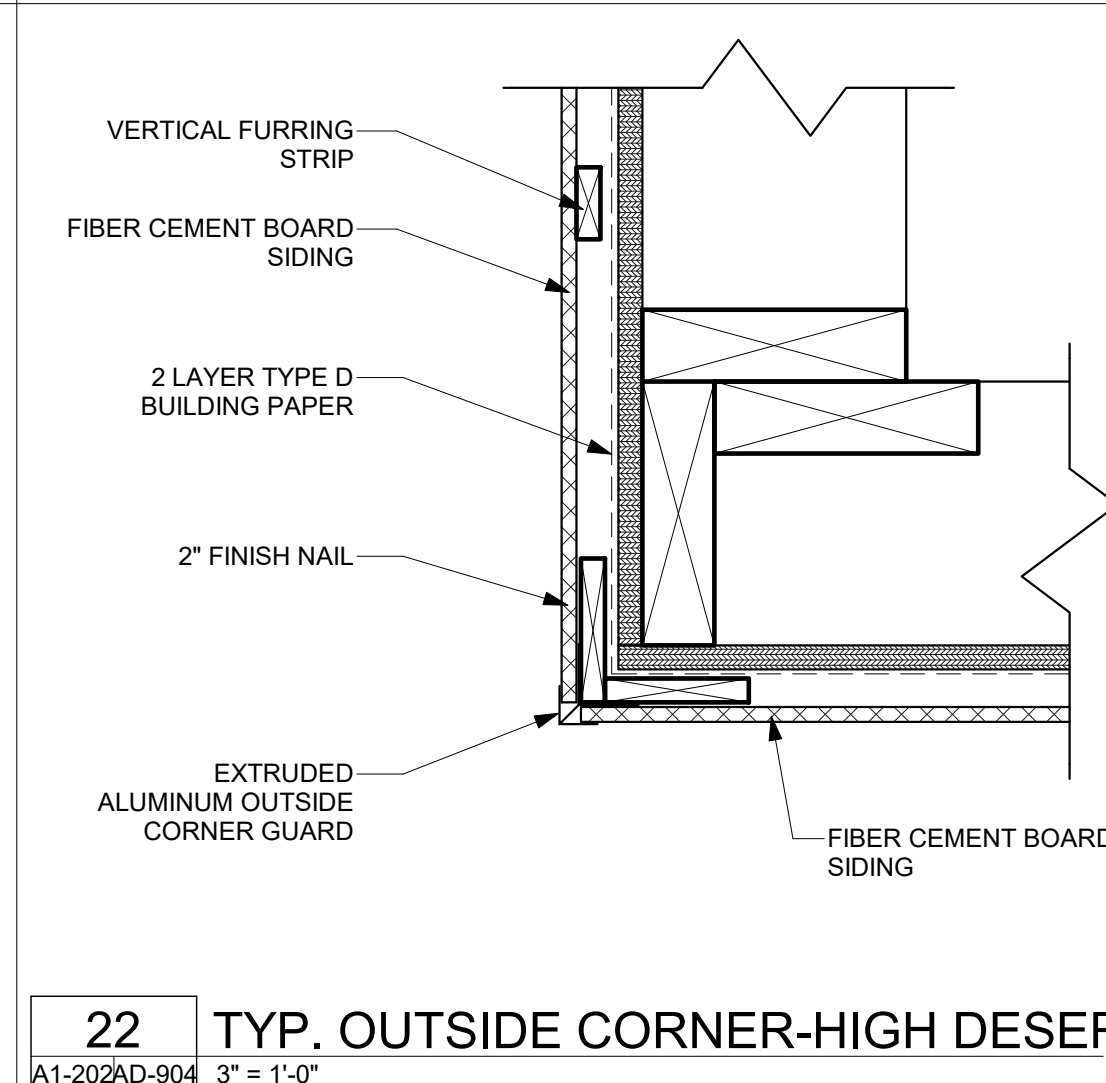
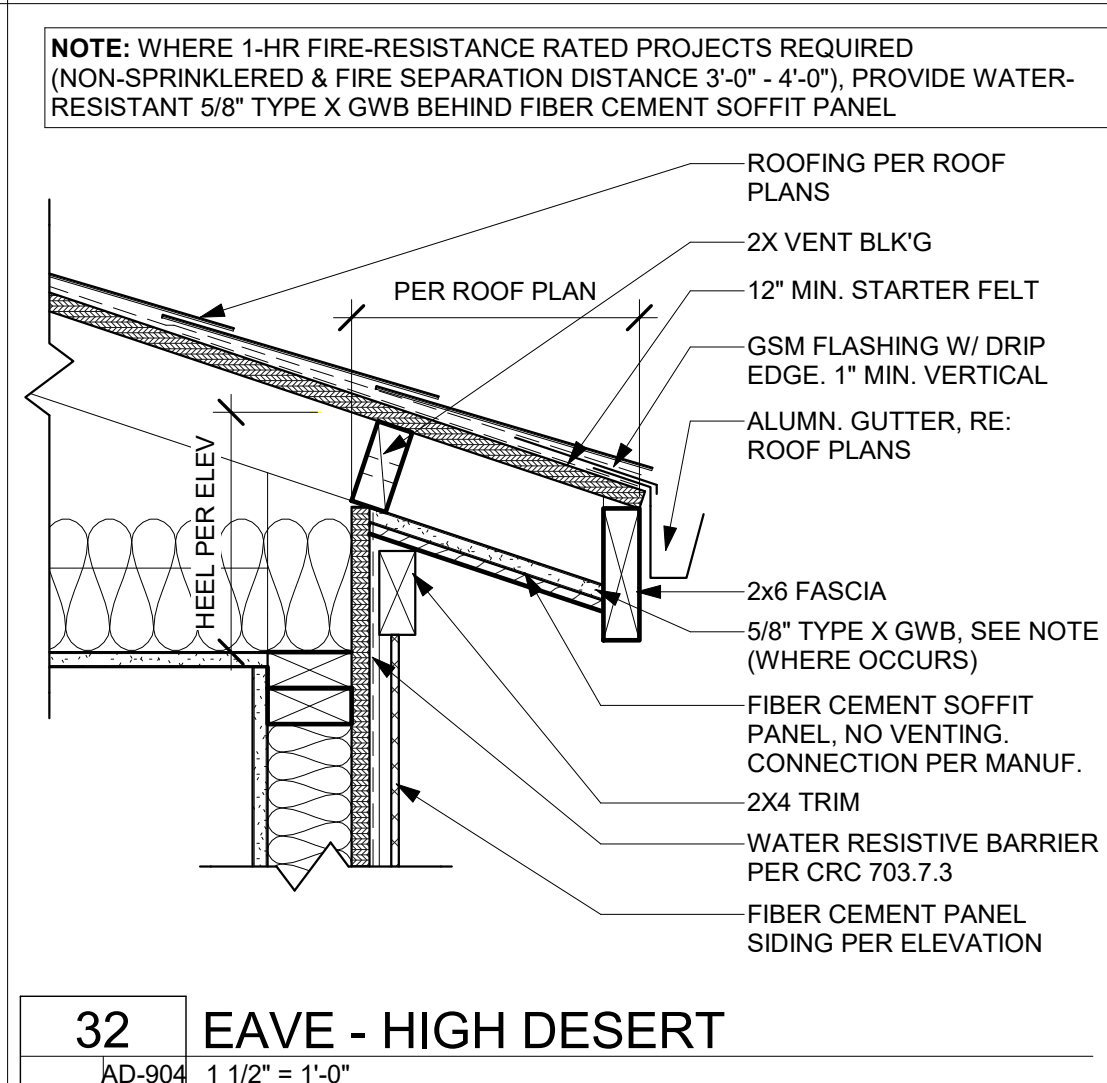
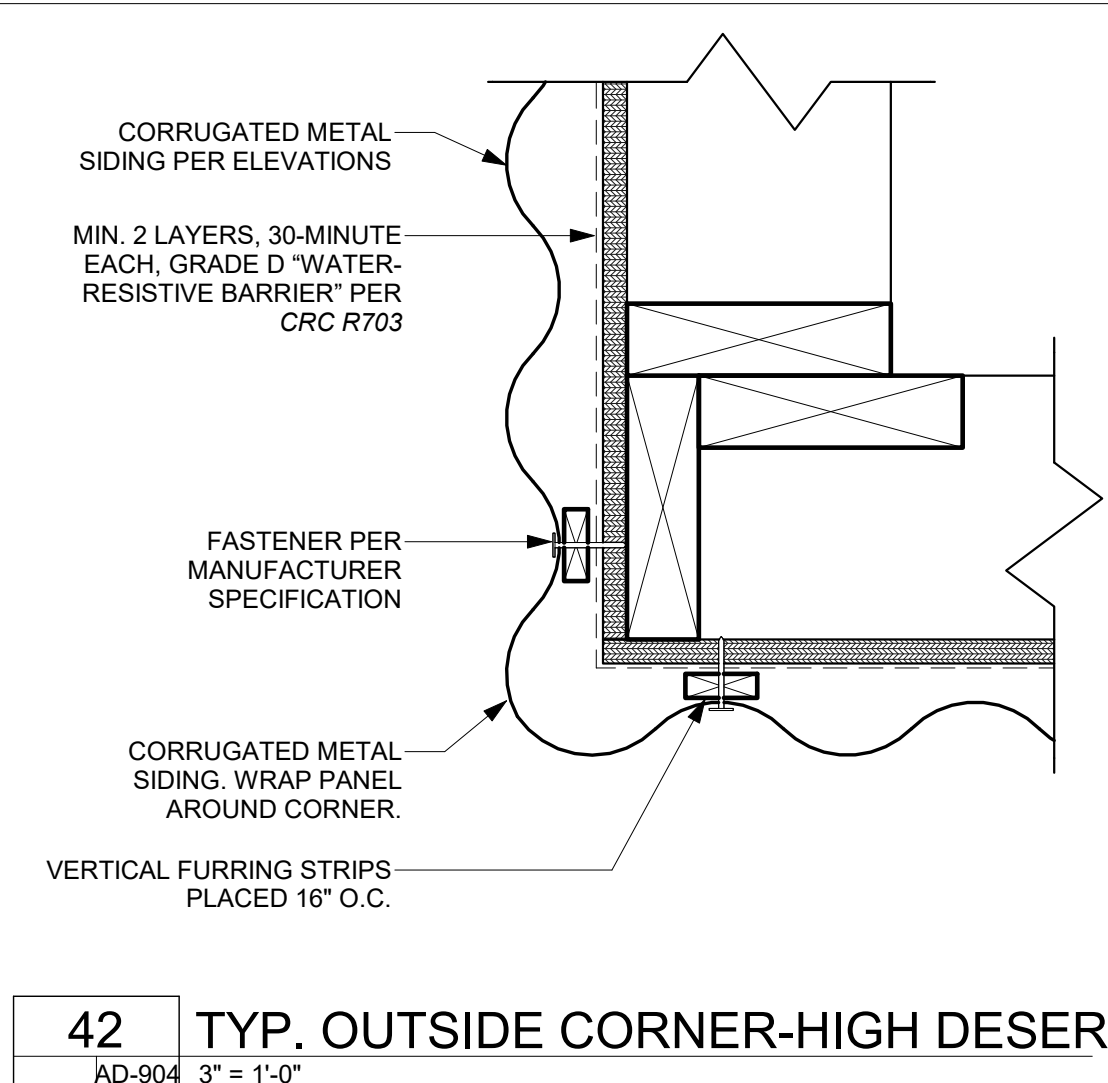
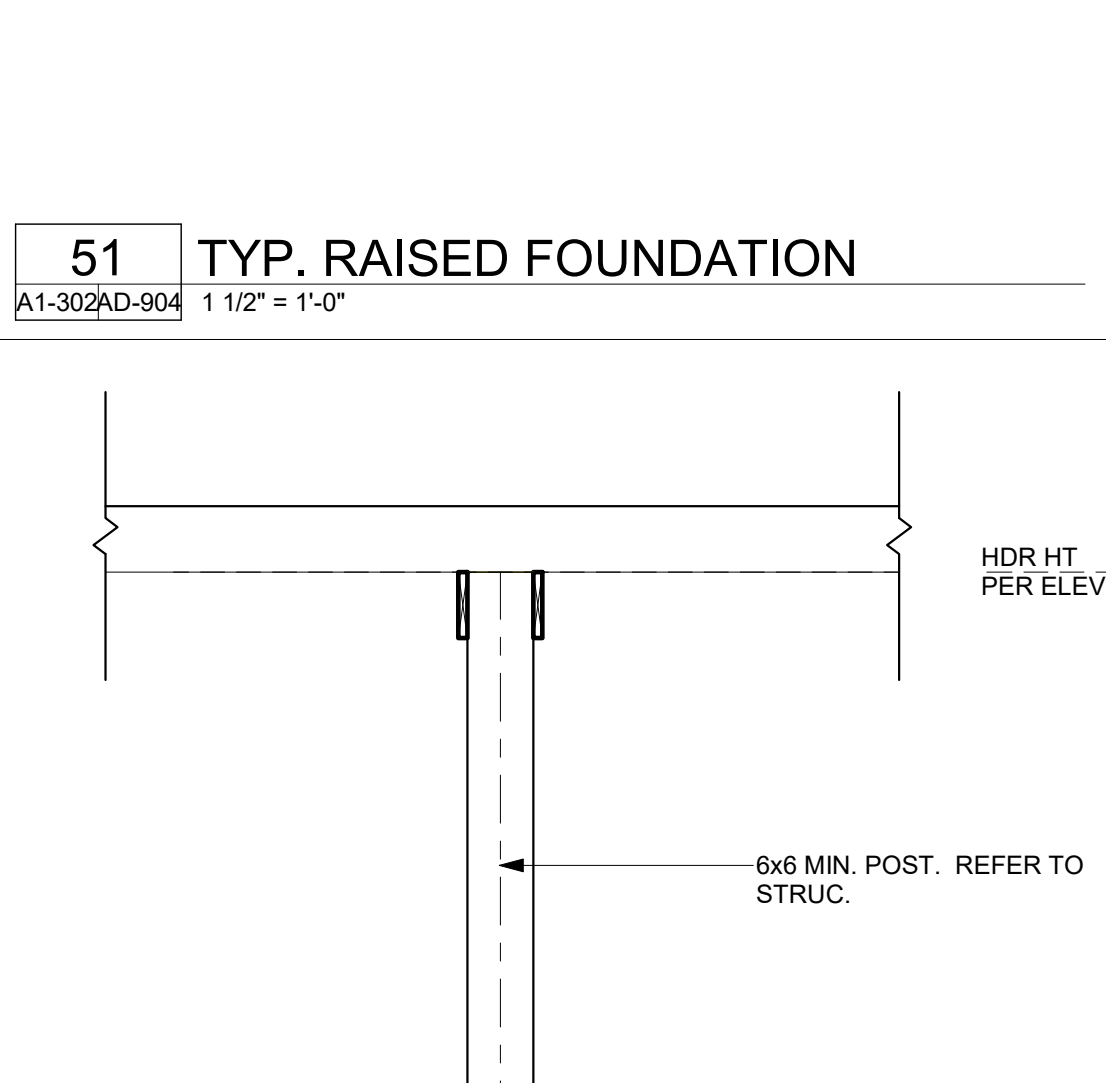
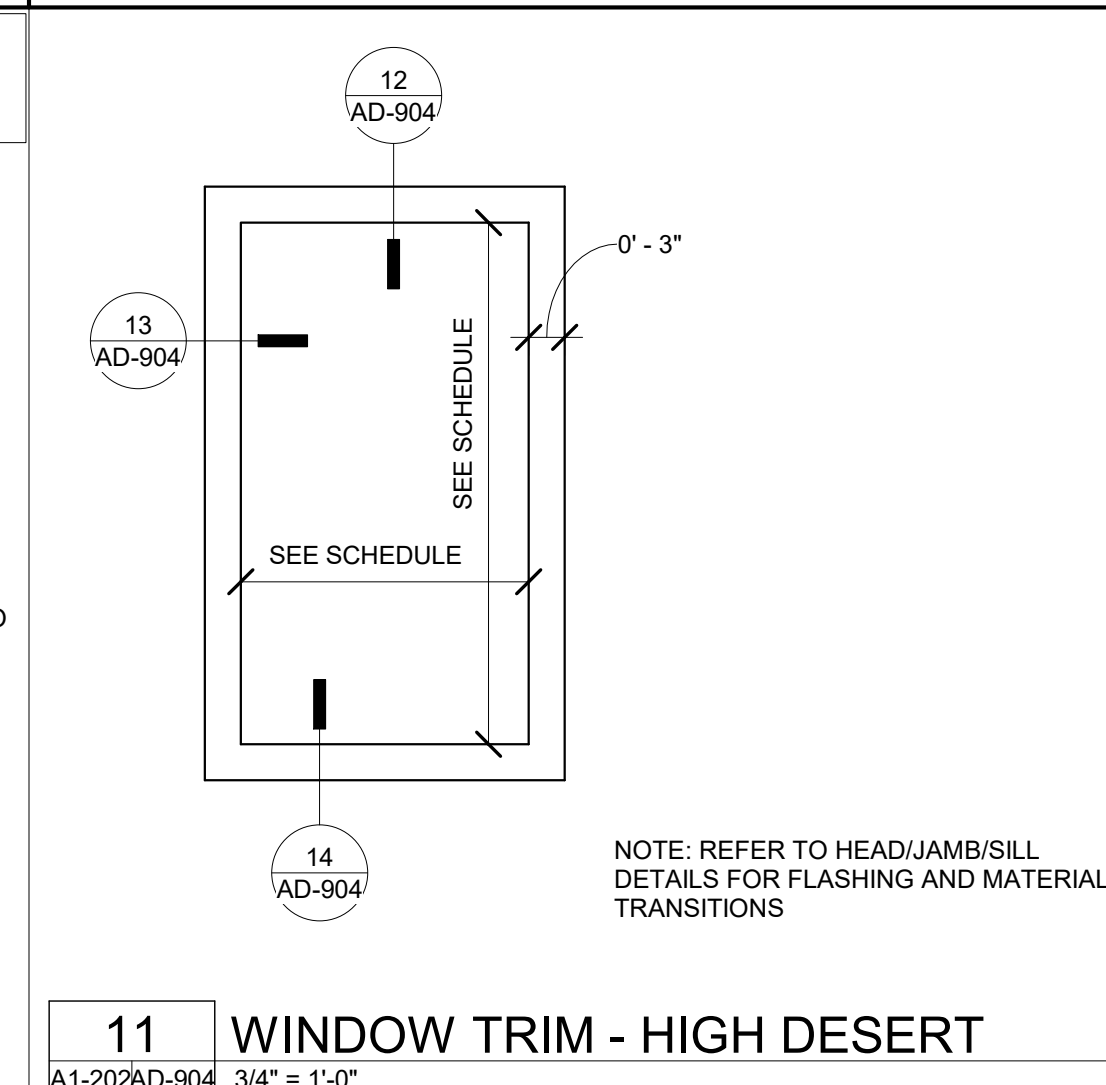
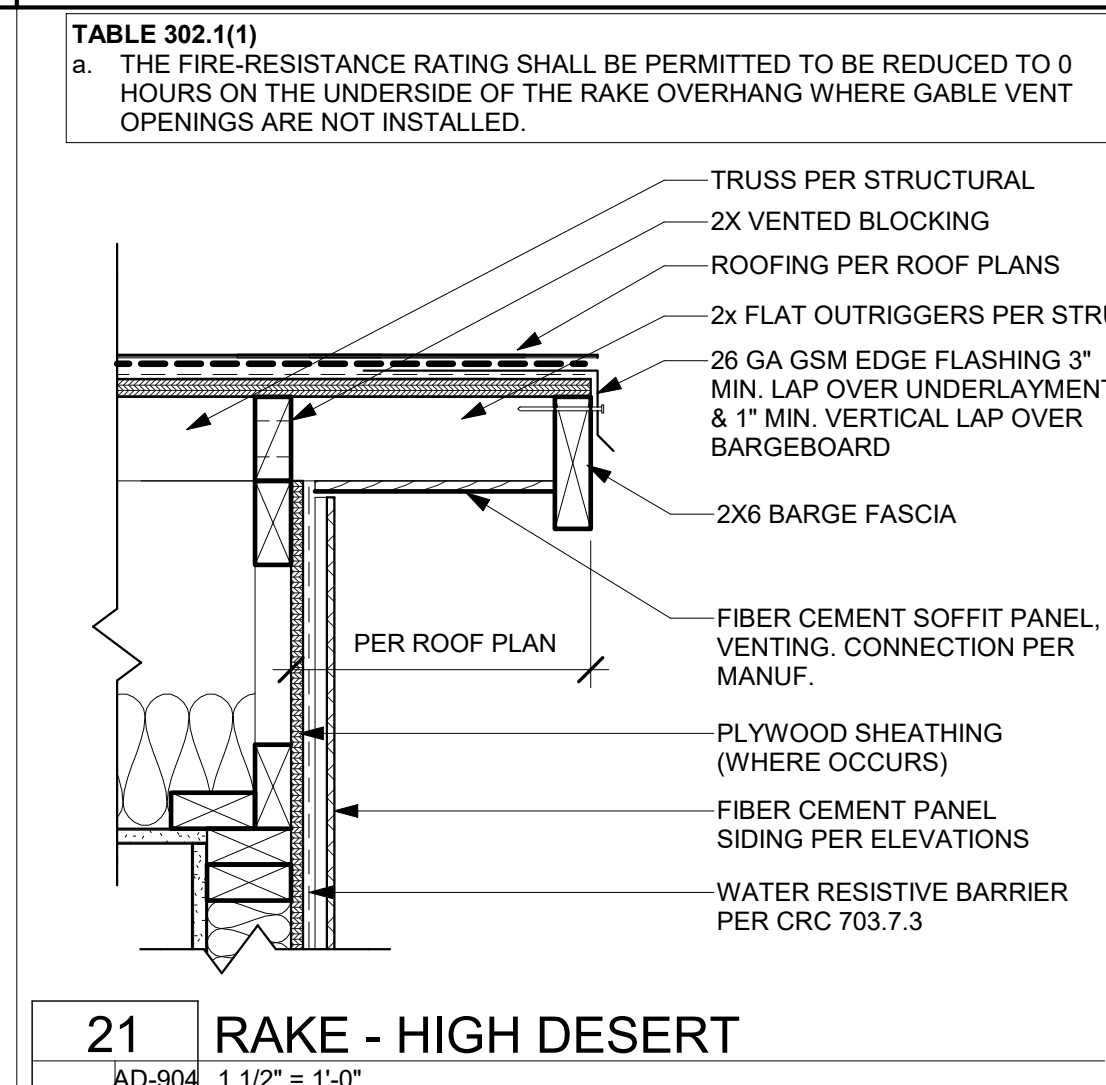
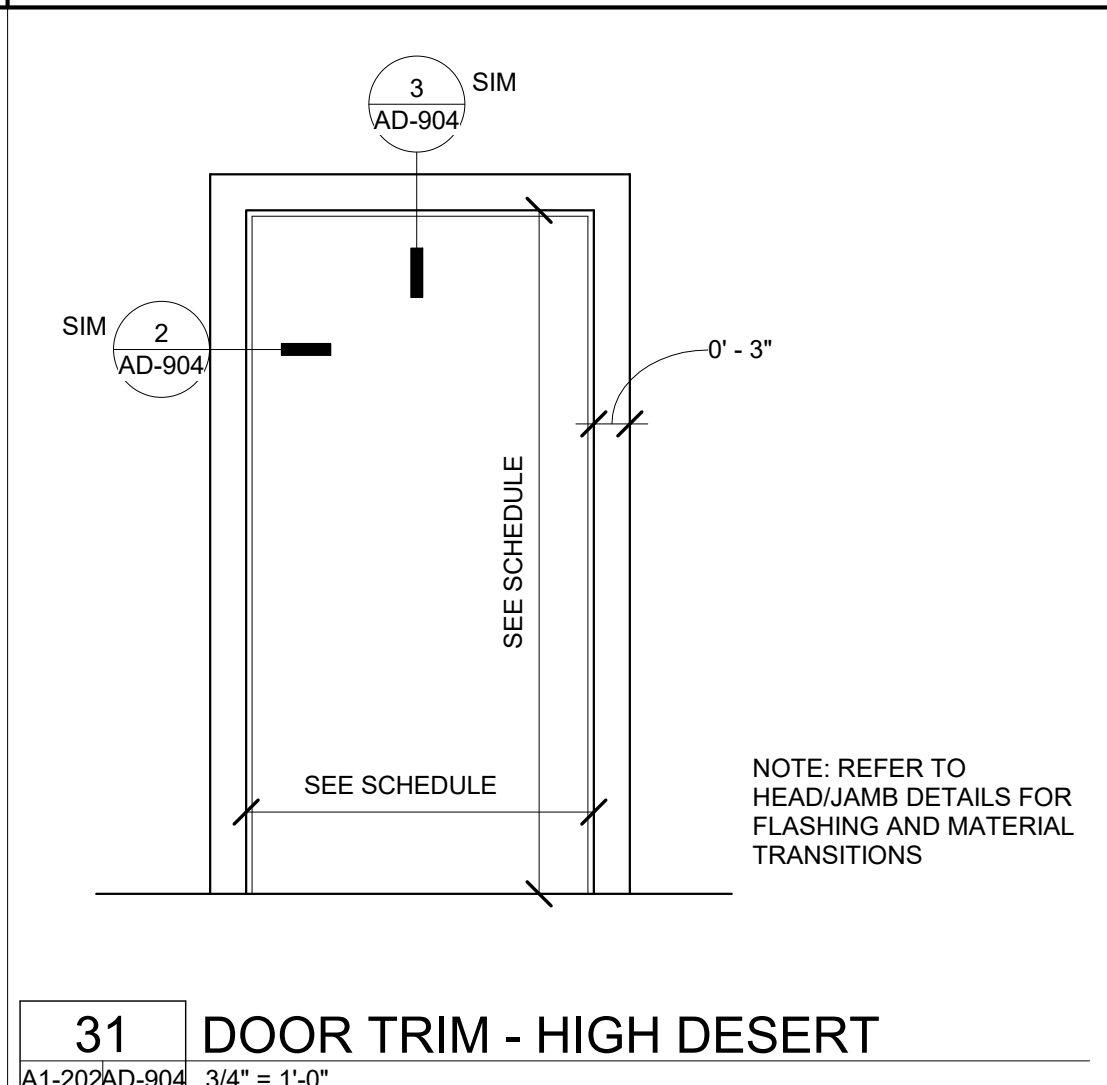
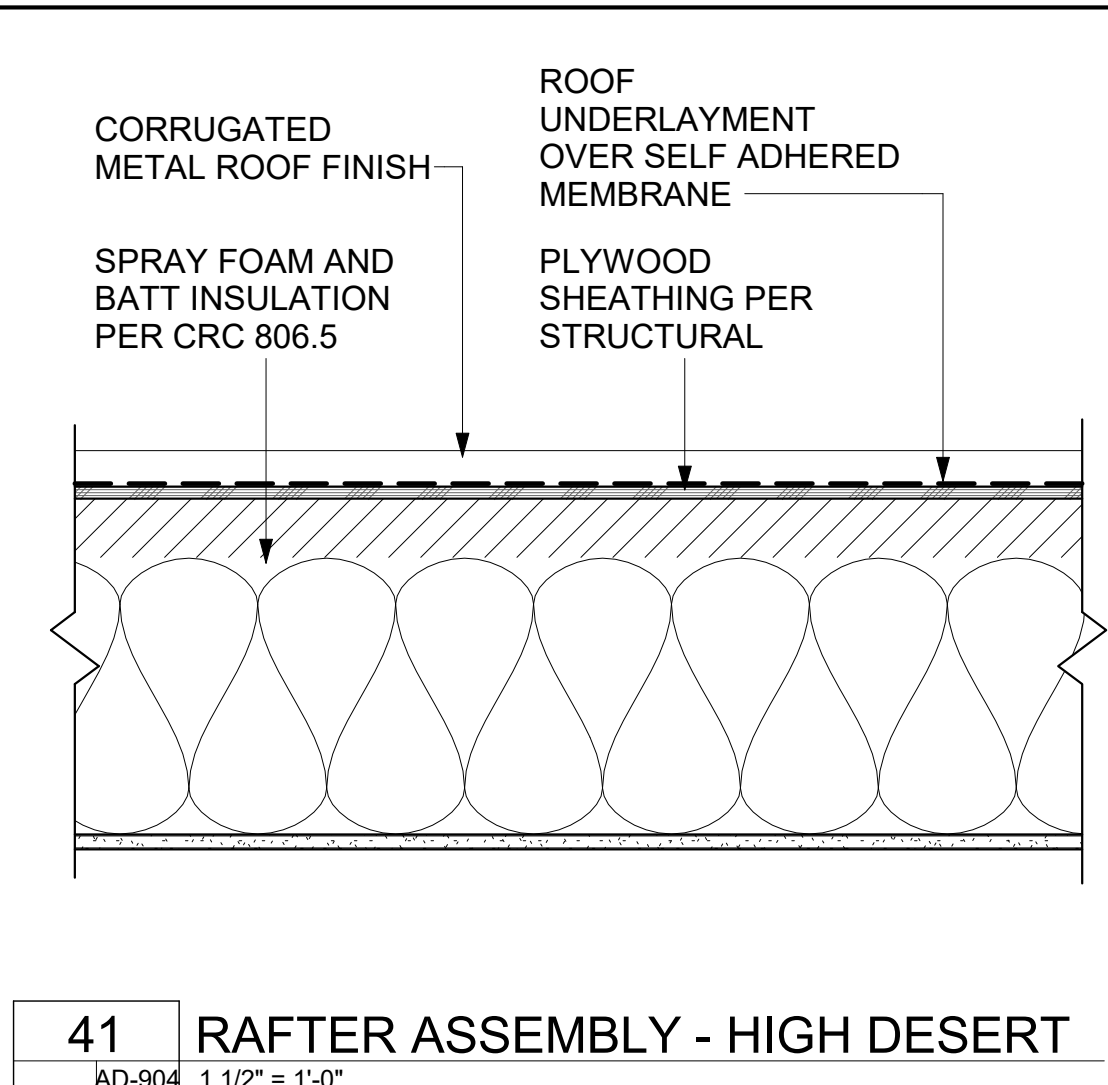
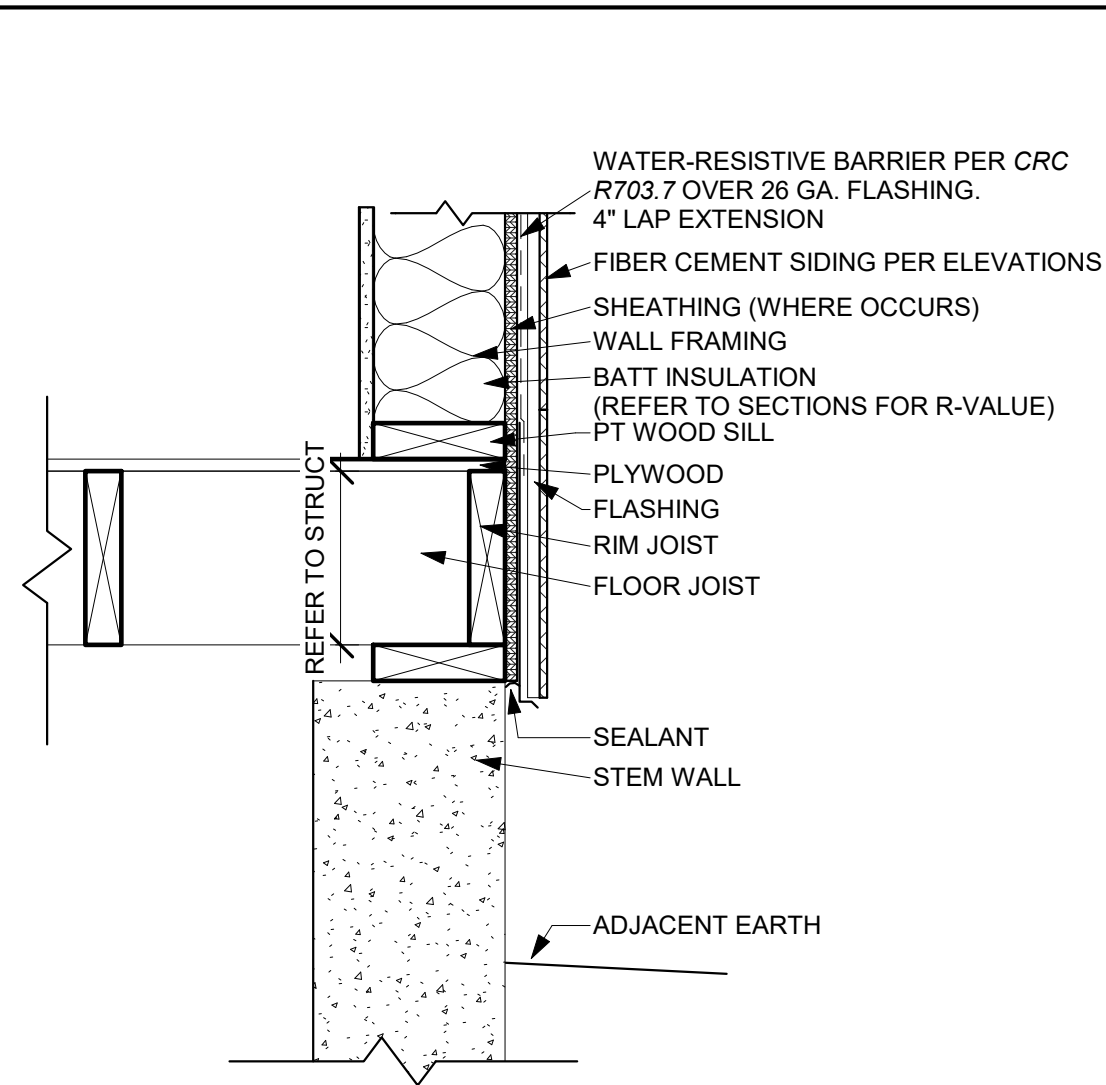
**MONO COUNTY ADU  
 PROTOTYPES**  
 MONO COUNTY  
**ARCHITECTURAL DETAILS - RURAL  
 MOUNTAIN**

NO.	REVISION	DATE

**PROJECT MANAGER**  
 RR
   
**DRAWN BY**      **CHECKED BY**
  
 DATE  
 6/30/2022
   
**PROJECT NUMBER**  
 2340-01-CU21
   
**SHEET**  
 AD-903



8/22/2022 2:13:12 PM N:\22002340-01-CU21-Mono-City-ADU-Design\Architecture\2340-01-CU21\_Mono County ADUs\_CENTRAL.rvt



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**MONO COUNTY ADU  
PROTOTYPES**  
MONO COUNTY  
**ARCHITECTURAL DETAILS - HIGH  
DESERT**

NO.	REVISION	DATE

PROJECT MANAGER  
RR

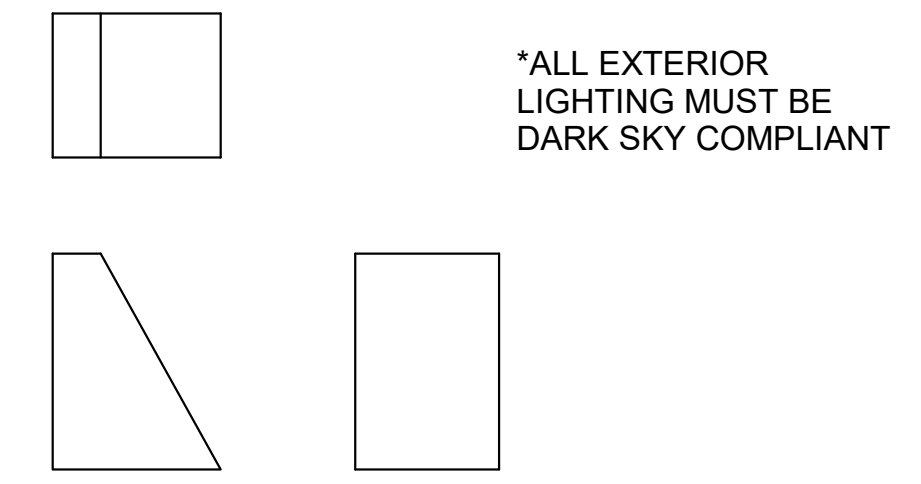
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DATE  
6/30/2022

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2340-01-CU21

SHEET  
AD-904





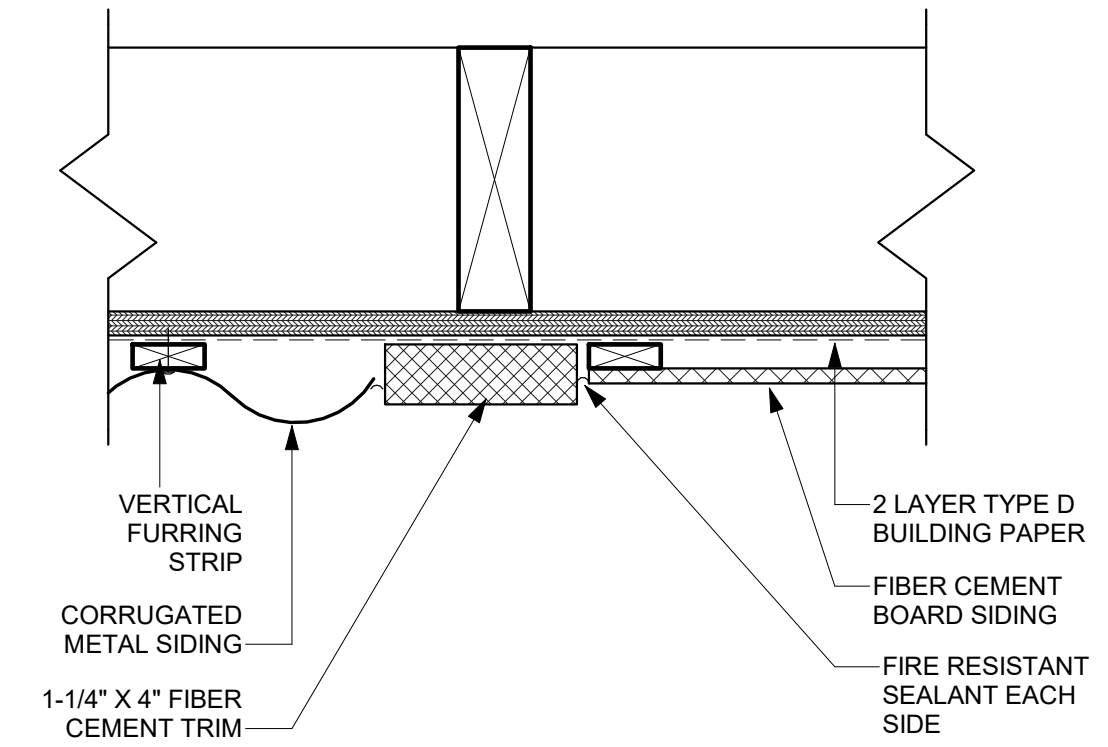
\*ALL EXTERIOR LIGHTING MUST BE DARK SKY COMPLIANT

LINGMAN LIGHTING - WALL MOUNT  
DIMMABLE BLACK LED WALL SCONCE  
(ULEW-30001-8W-T3-W30-01-120/277V)

OR EQUAL DARK SKY COMPLIANT FIXTURE PER ZONING REGULATIONS SECTION 17.70.100.

**11 LIGHT FIXTURE - HIGH DESERT**

A1-2024D-905 1 1/2" = 1'-0"



**12 WALL - CORRUGATED TO FIBER CEMENT TRANSITION**

A1-2024D-905 3\"/>

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**MONO COUNTY ADU  
PROTOTYPES**  
MONO COUNTY  
**ARCHITECTURAL DETAILS - HIGH  
DESERT**

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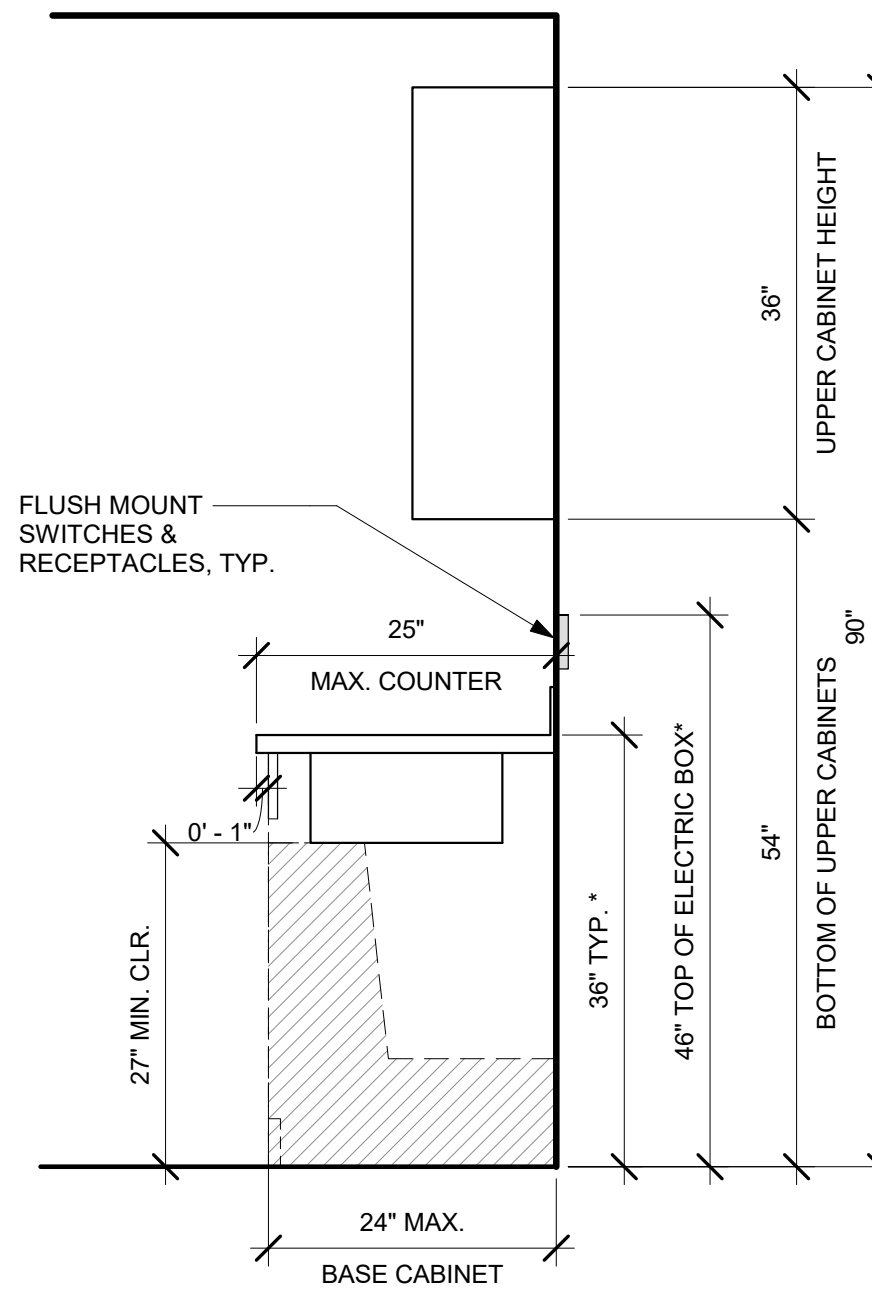
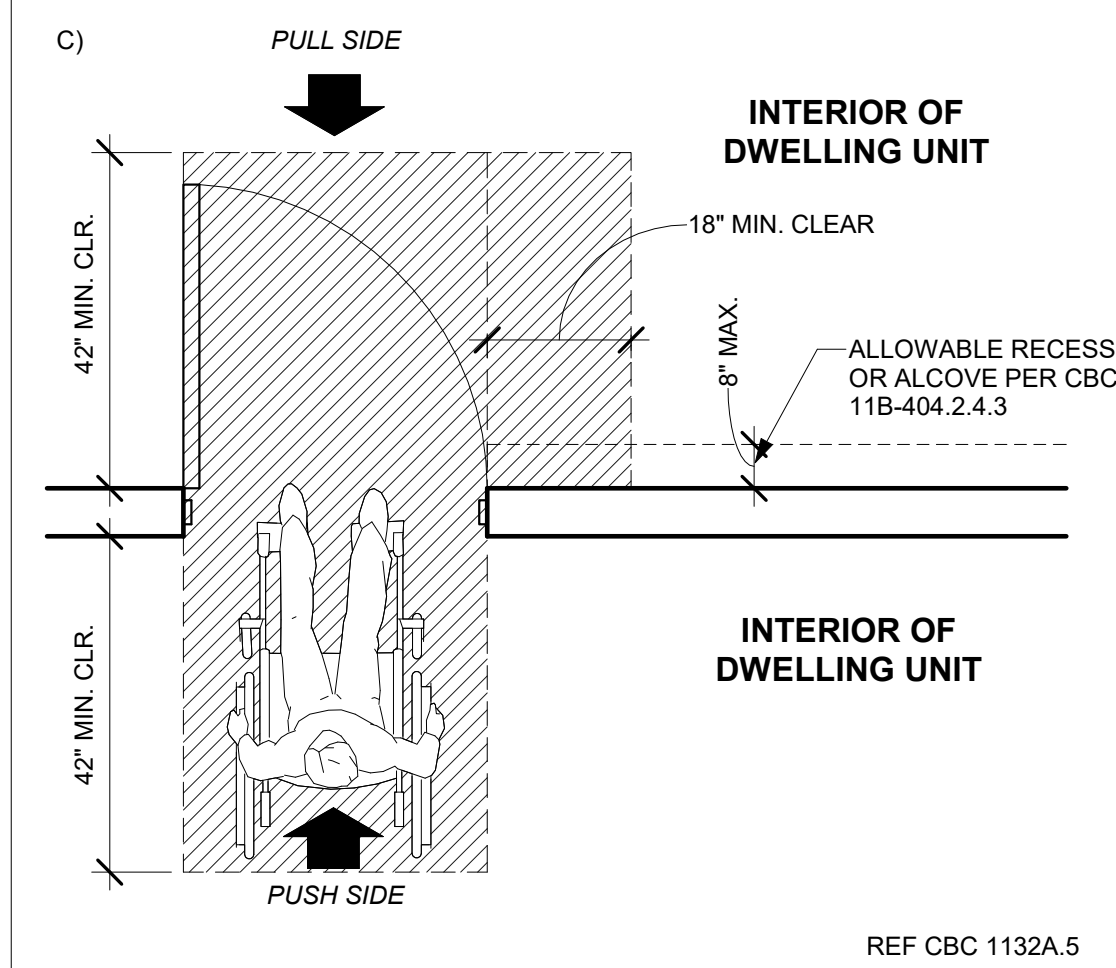
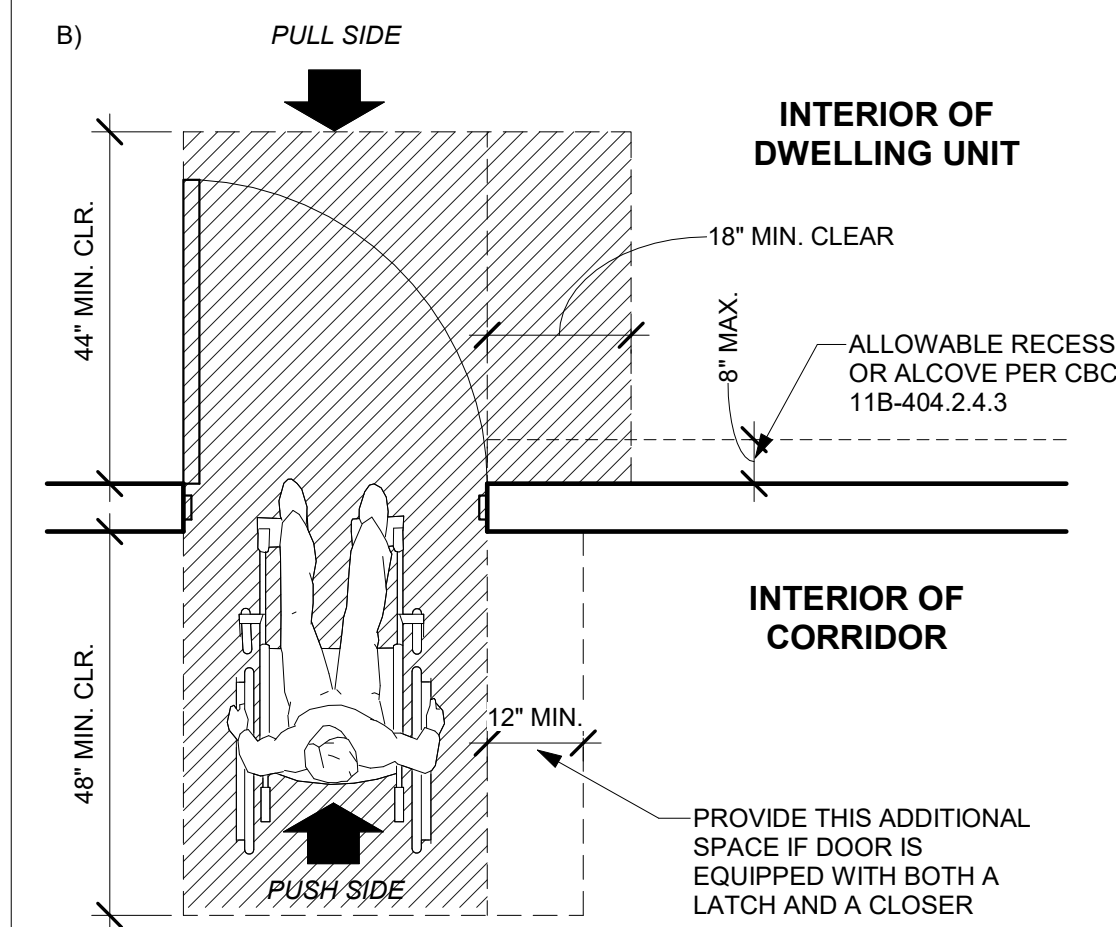
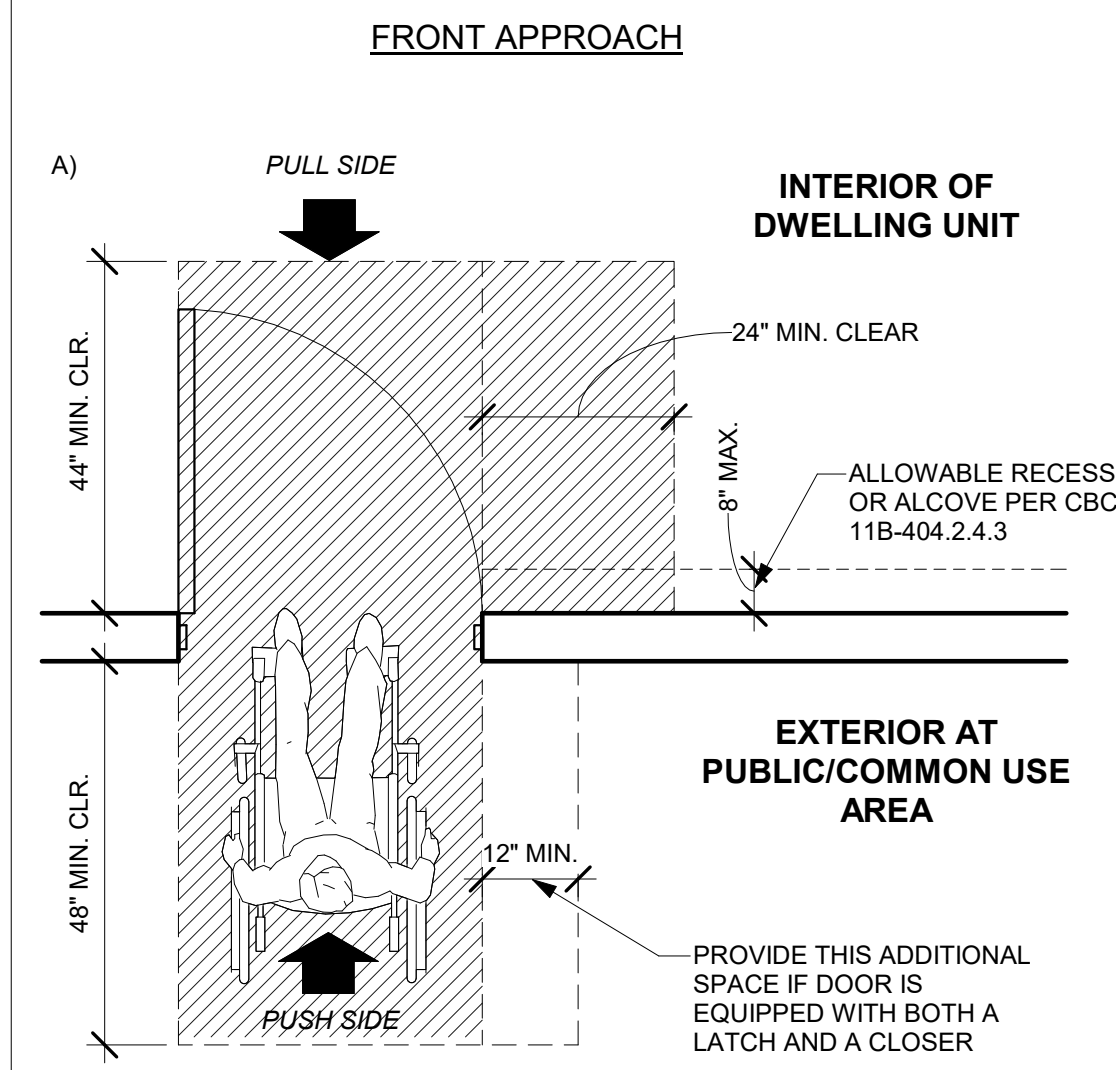
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**DATE**  
6/30/2022

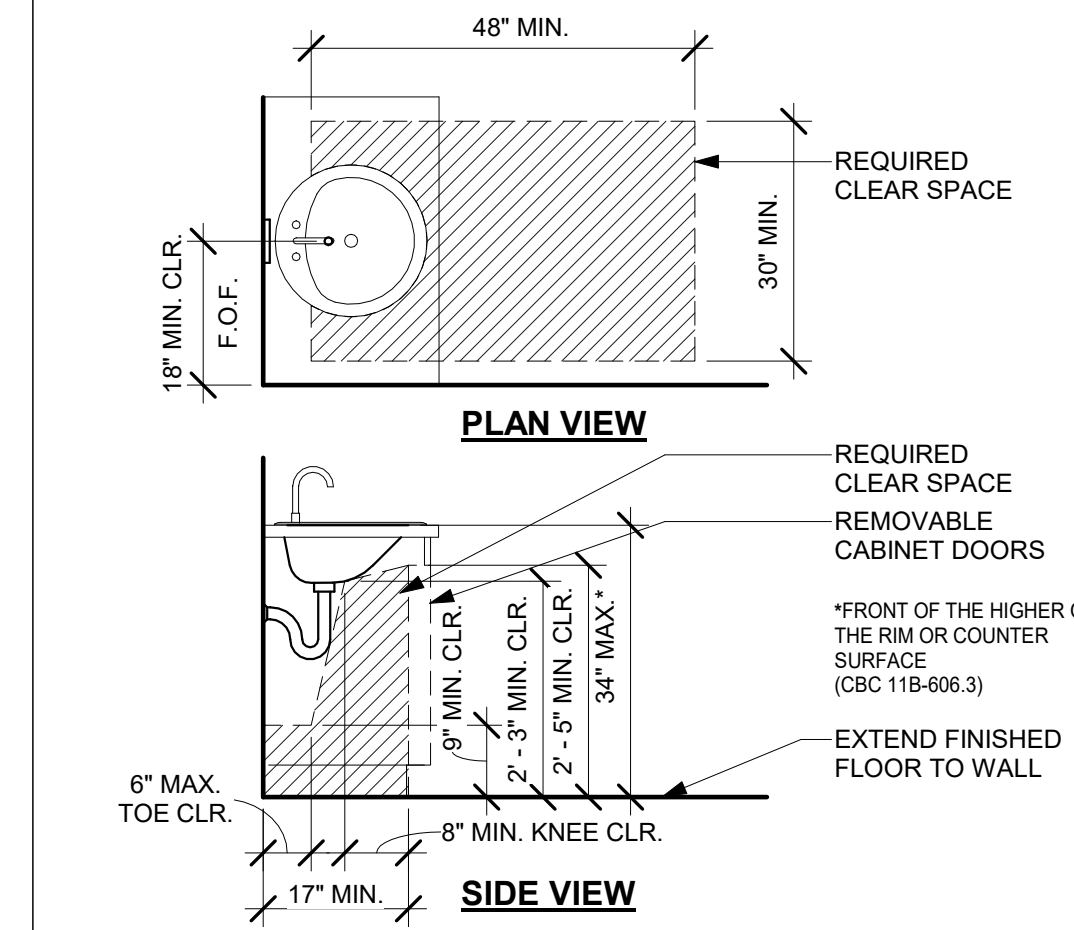
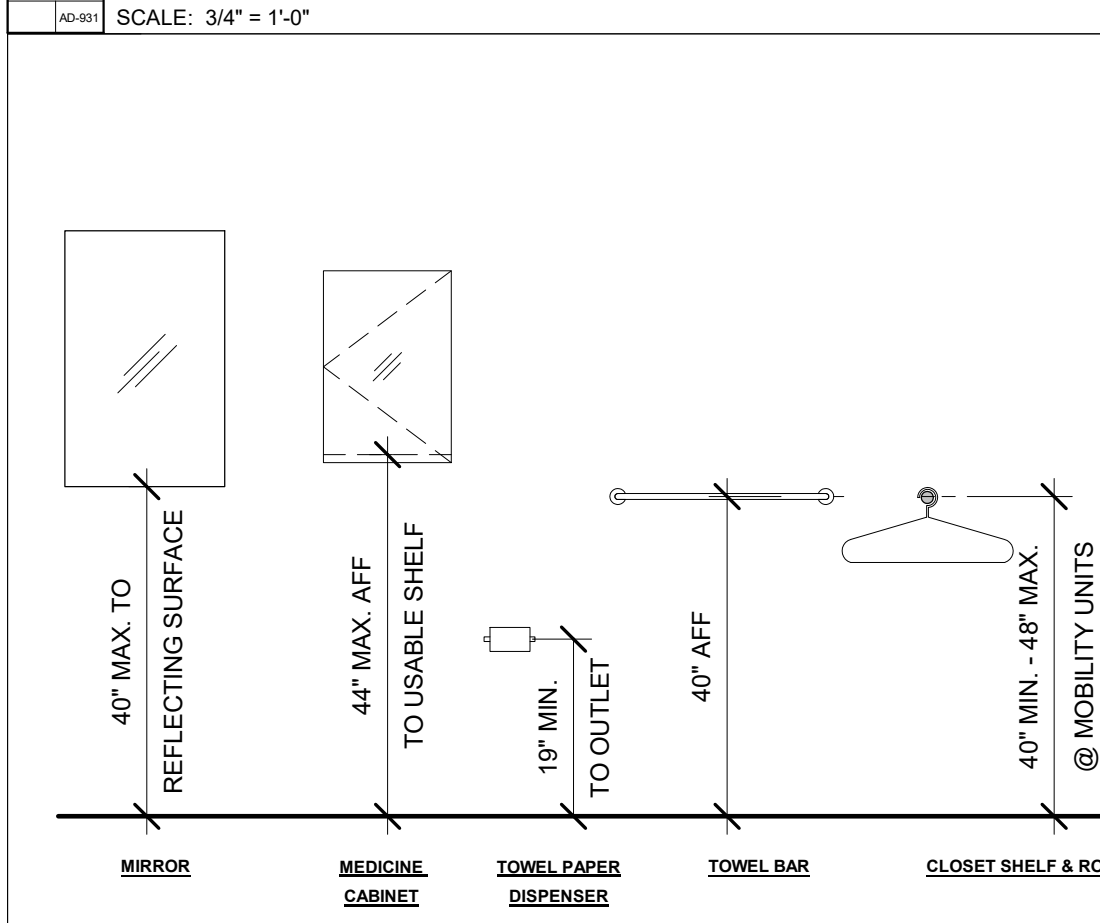
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2340-01-CU21

**SHEET**  
**AD-905**



- NOTES:**
- (\*) DENOTES COMPLIANCE WITH SIDE REACH APPROACH PER 2019 CBC 1138A.3.2.2 EXCEPTION.
  - REMOVABLE BASE CABINET AT SINK & WORKSPACE (MIN. 30\"/>

**32 11A ADP. KITCHEN CASEWORK**



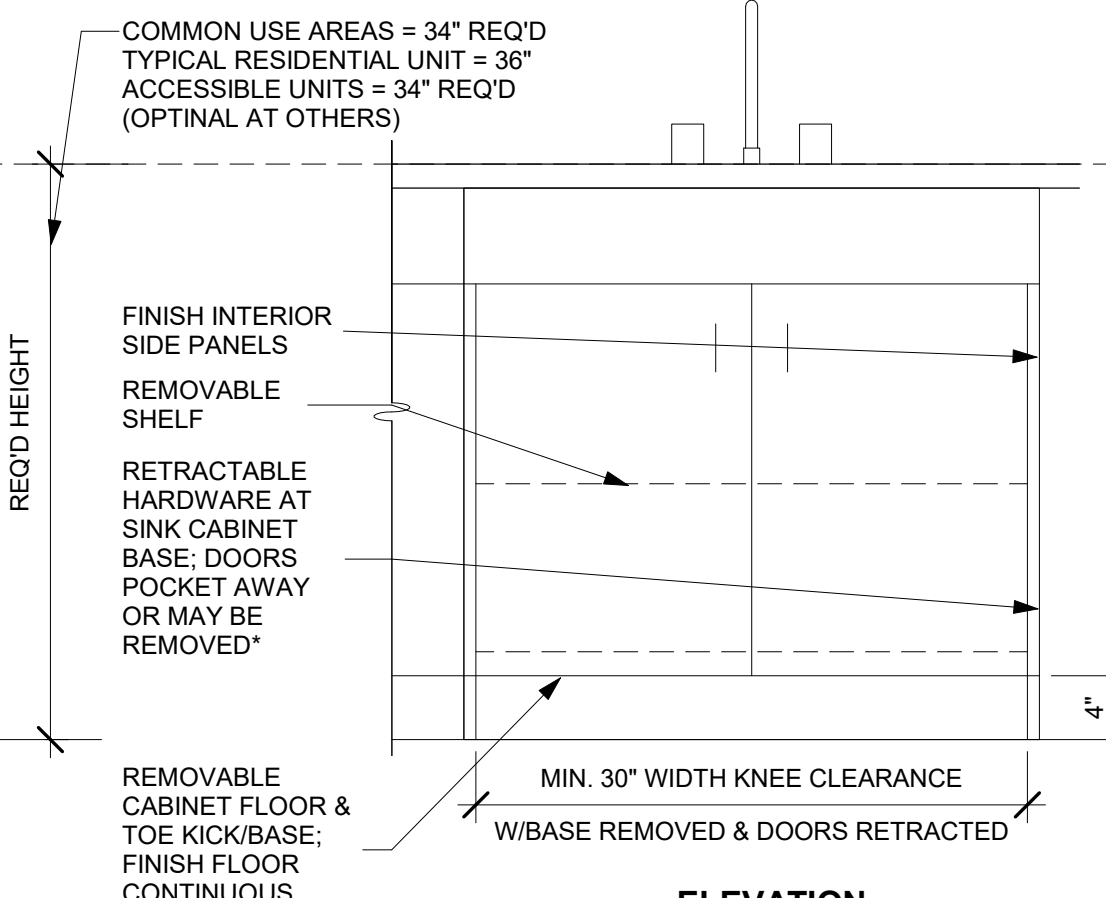
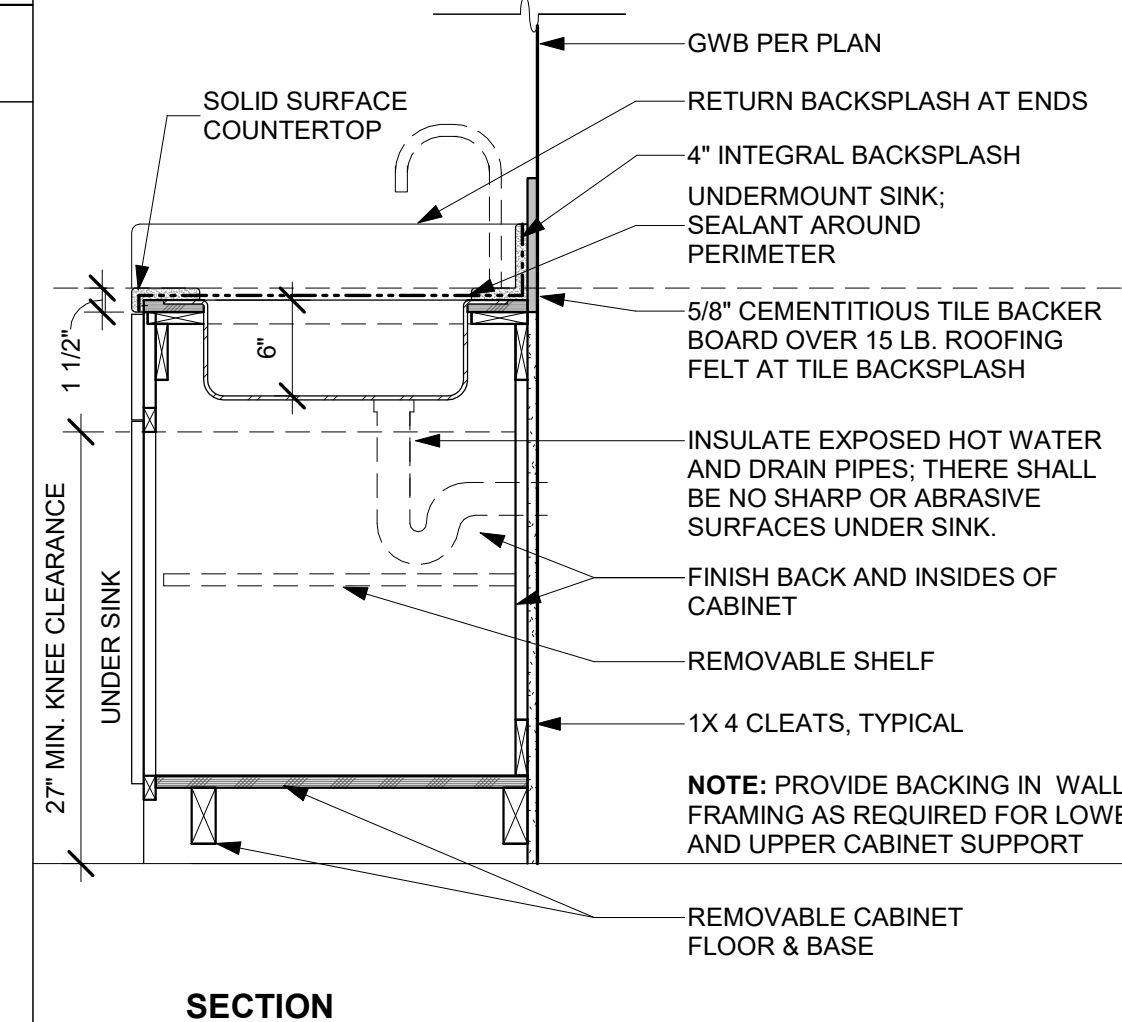
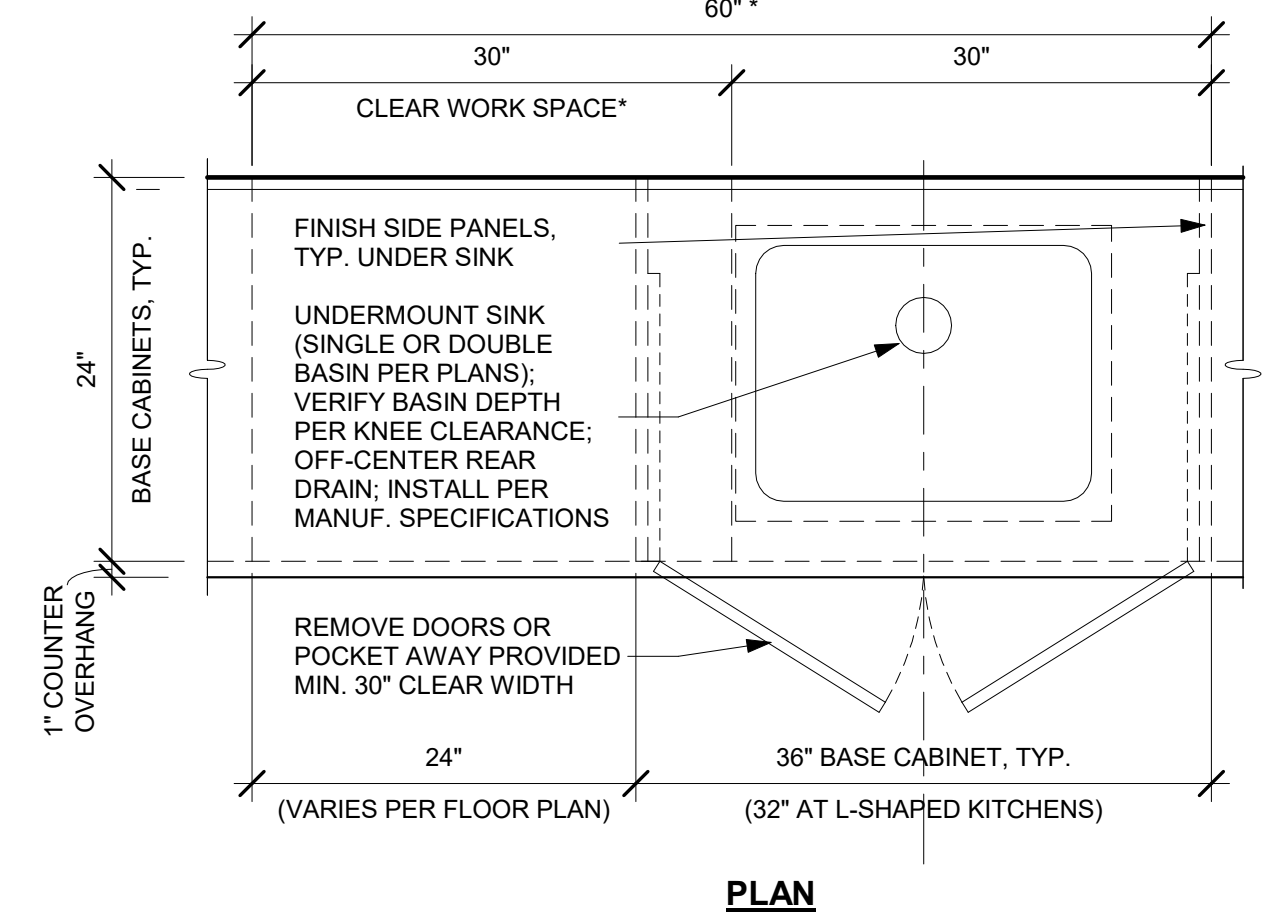
- NOTES:**
- ADAPTABLE UNITS - PROVIDE REMOVABLE DOORS AT SINK CABINET THAT DON'T REQUIRE SPECIALIZED KNOWLEDGE OR THE USE OF SPECIALIZED TOOLS.
  - THE FINISHED FLOOR SHOULD EXTEND TO THE WALL.
  - HOT WATER AND DRAIN PIPES UNDER ACCESSIBLE LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.
  - SINK SHALL BE 6 1/2\"/>

**21 11A ADP. BATHROOM SINK**

SCALE: 1/2" = 1'-0"

**\*KITCHEN ACCESSIBILITY NOTES**

- THE SINK AND WORK SURFACE MAY BE A SINGLE INTEGRAL UNIT A MINIMUM OF 60 INCHES IN LENGTH, OR BE SEPARATE (30\"/>



**43 CLEARANCES AT DOORS & GATES**

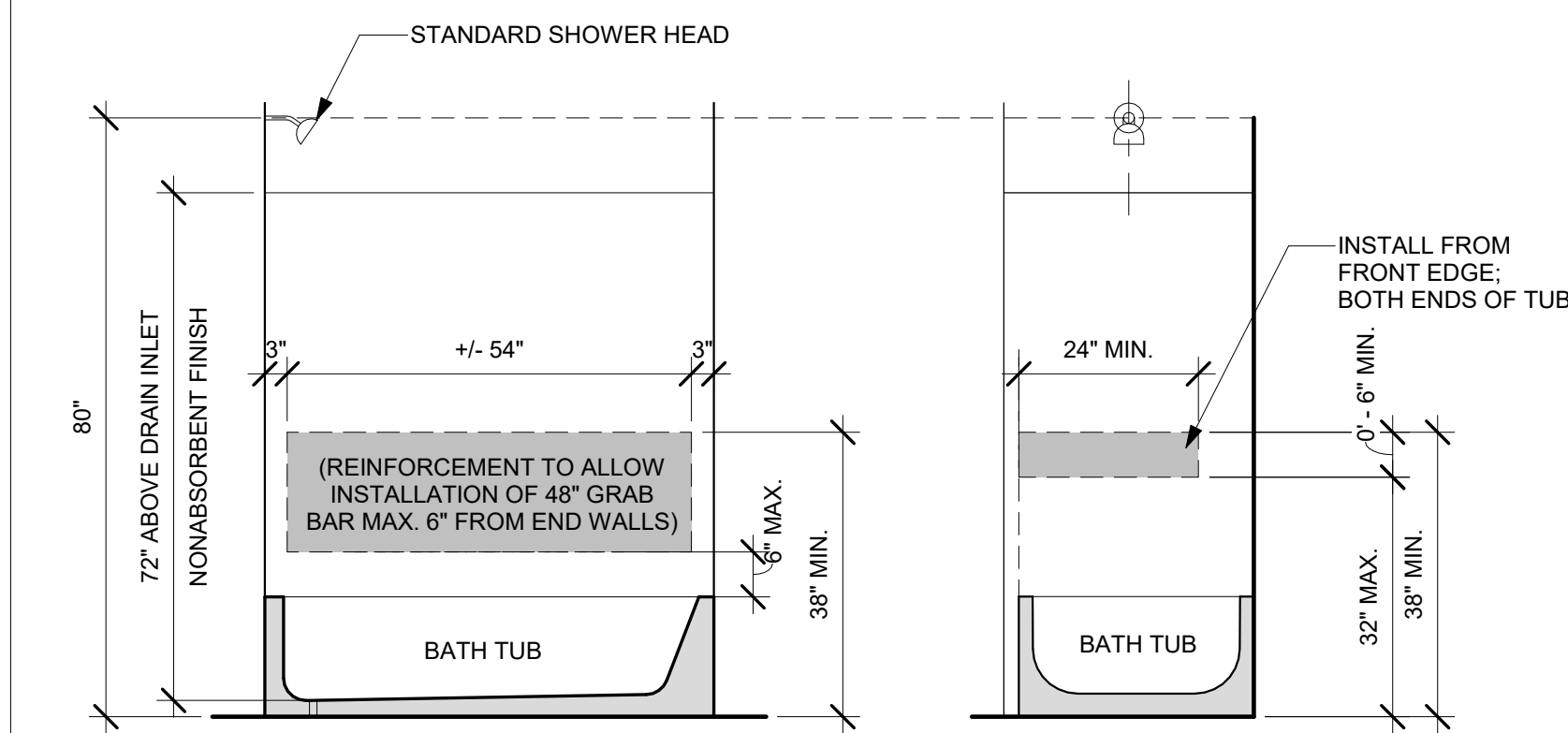
SCALE: 1/2" = 1'-0"

**14 ACCESSORIES - RESIDENTIAL**

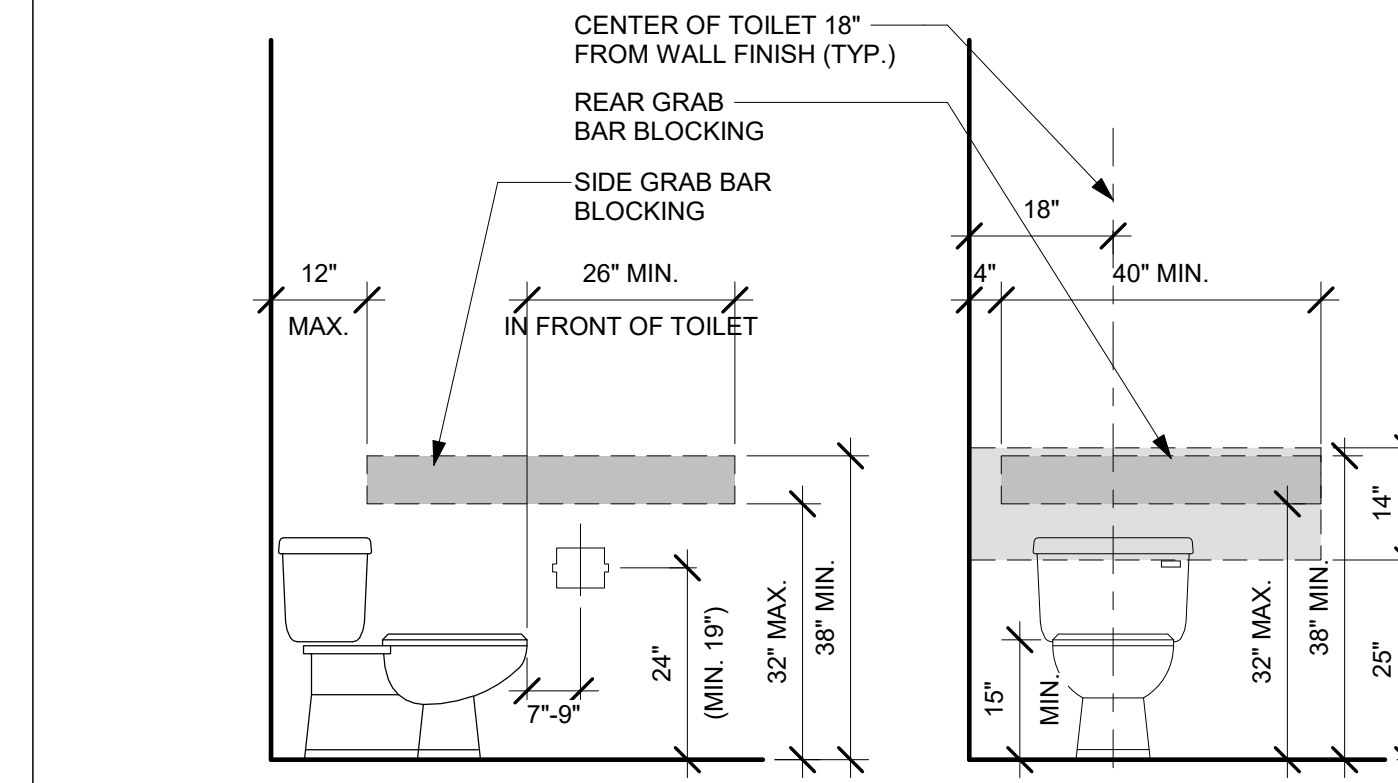
SCALE: 1/2" = 1'-0"

**23 ADP. KITCHEN SINK REMOVEABLE BASE CABINET**

SCALE: 1" = 1'-0"



- NOTES:**
- ALL DIMENSIONS FOR THIS DETAIL ARE FROM FACE OF FINISHED SURFACE.
  - WALLS SHALL BE FINISHED WITH A SMOOTH, NONABSORBENT FINISH TO A HEIGHT MIN. 72\"/>



- NOTE (SHORT SIDE WALL CONDITIONS):**  
WHERE SIDE WALL DOES NOT PROVIDE SUFFICIENT LENGTH FOR INSTALLATION OF SIDE GRAB BAR BLOCKING AS SHOWN, ADDITIONAL GRAB BAR BLOCKING SHALL BE PROVIDED AT REAR WALL TO ALLOW FOR INSTALLATION OF FOLD-AWAY GRAB BAR.

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**MONO COUNTY ADU PROTOTYPES**  
MONO COUNTY  
**ADAPTABILITY DETAILS**

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2340-01-CU21  
**SHEET**

**44 11A ADP. TUB COMPLIANCE**

SCALE: 1/2" = 1'-0"

**33 11A ADP. DWELLING UNIT TOILET**

SCALE: 1/2" = 1'-0"

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SYMBOLS

	DETAIL REFERENCE BUBBLE WITH LEADER		INDICATES SHEAR WALL TYPE AND LENGTH. PER SHEAR WALL SCHEDULE		INDICATES TOP PLATE SPLICE NAILING PER SCHEDULE
	DETAIL REFERENCE BUBBLE		INDICATES SPAN AND DIRECTION OF PREFABRICATED ROOF TRUSS (BY OTHERS)		INDICATES SHEAR WALL STRAP / HOLD/DOWN TYPE PER SCHEDULE
	FULL HEIGHT SECTION INDICATOR		INDICATES SPAN AND DIRECTION OF ROOF RAFTER OR FLOOR JOIST WITH WEB STIFFENER		INDICATES PAD FOOTING TYPE PER SCHEDULE
	ELEVATION OF WALL OR FRAME		INDICATES SPAN AND DIRECTION OF ROOF RAFTER OR FLOOR JOIST		INDICATES CONTINUOUS FOOTING TYPE PER SCHEDULE
	NORTH ARROW		EARTH LAYER		ANGLE BRACE
	TOP/BOTTOM OF ELEVATIONS		INDICATES SAND OR GROUT		DOUBLE ANGLE BRACE
	SLOPE		INDICATES GRAVEL		DRAG STRUT CONNECTION
	WELDED WIRE FABRIC (WWF LAYER)		STEEL IN CROSS SECTION		FULL HEIGHT STIFFENER CONNECTION
	STEPPED SURFACE; FLOOR DEPRESSION		INDICATES BEARING WALL		MOMENT CONNECTION
	SLOPED SURFACE		SHADED AREA INDICATES CALIFORNIA FRAMING		MEMBER SPLICE
	STEPPED FOOTING		SHADED AREA INDICATES FOOTPRINT OF FLOOR ABOVE		TOP OF STEEL ± ELEVATION
	BOTTOM STEPPED FOOTING		STEEL HSS TUBE COLUMN		NUMBER OF EVENLY SPACED SHEAR STUDS
			STEEL HSS OR PIPE COLUMN		SPECIAL STUD SPACING SEE TYPICAL STEEL DETAILS
			WIDE FLANGE STEEL COLUMN		BEAM CAMBER AT MID-SPAN
			WOOD POST		

WALL TYPES

	INDICATES PLYWOOD SIDE FOR SHEAR WALL
	INDICATES BEARING WOOD WALL BELOW
	INDICATES BEARING WOOD WALL ABOVE
	INDICATES NON-BEARING WOOD WALL BELOW
	INDICATES NON-BEARING WOOD WALL ABOVE
	INDICATES EXISTING BEARING WOOD WALL
	INDICATES EXISTING NON-BEARING WOOD WALL
	INDICATES BEARING CMU WALL BELOW
	INDICATES BEARING CMU WALL ABOVE
	INDICATES NON-BEARING CMU WALL BELOW
	INDICATES NON-BEARING CMU WALL ABOVE
	INDICATES EXISTING BEARING CMU WALL
	INDICATES EXISTING NON-BEARING CMU WALL
	INDICATES BEARING CONCRETE WALL BELOW
	INDICATES BEARING CONCRETE WALL ABOVE
	INDICATES NON-BEARING CONCRETE WALL BELOW
	INDICATES NON-BEARING CONCRETE WALL ABOVE
	INDICATES EXISTING BEARING CONCRETE WALL
	INDICATES EXISTING NON-BEARING CONCRETE WALL

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ABBREVIATIONS

A & B	ABOVE AND BELOW	d	PENNY (NAIL OR BAR DIA)	HGR	HANGER	PA	POST ABOVE	T & B	TOP AND BOTTOM
AB	ANCHOR BOLT	DBL	DOUBLE	HP	HIGH POINT	PARA OR //	PARALLEL	T & G	TONGUE & GROOVE
ABV	ABOVE	DEPT	DEPARTMENT	HSH	HORIZONTALLY SLOTTED HOLES	PC	PRECAST; PIECE	TO	TOP OF
ACI	AMERICAN CONCRETE INSTITUTE	DET	DETAIL	HT	HEIGHT	PERP	PERPENDICULAR	TOC	TOP OF CURB; TOP OF CONCRETE
ADDL	ADDITIONAL	DF	DOUGLAS FR/LARCH	ID	INSIDE DIAMETER	PI	PLYWOOD INDEX	TOF	TOP OF FOOTING
ADJ	ADJACENT	DIA OR Ø	DIAMETER	IF	INSIDE FACE	PL	PLATE	TEMP	TEMPERATURE; TEMPORARY
AESS	ARCHITECTURAL EXPOSED STRUCTURAL STEEL	DIAG	DIAGONAL	I-JST	I-JOIST	PL	PROPERTY LINE	THRU	THROUGH
ASC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	DIAPH	DIAPHRAGM	IN	INCH	PLF	PONDS PER LINEAL FOOT	THK	THICKNESS/THICK
ALT	ALTERNATE	DIM	DIMENSION	INCL	INCLUDE	PLCS	PLACES	THR	THREADED
ALUM	ALUMINIUM	DN	DOWN	INFO	INFORMATION	PLY	PLYWOOD	TOP or 1	TOP
ANCH	ANCHOR	DWG	DRAWING	INSP	INSPECTION	PROP	PROPERTY	TOS	TOP OF STEEL/TOP OF SLAB
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	DWL	DOWEL	INT	INTERIOR	PT	PRESSURE TREATED	TOW	TOP OF WALL
APA	ENGINEERED WOOD ASSOCIATION (FORMERLY THE AMERICAN PLYWOOD ASSOCIATION)	EA	EACH	JST	JOIST	PW	PLATE WASHER	TS	TRIMMER STUD
APPVD	APPROVED	EF	EACH FACE	JT	JOINT	PJP	PARTIAL JOINT PENETRATION WELD	TYP	TYPICAL
APPROX	APPROXIMATE	EJ	EXPANSION JOINT	K	KIPS	PREFAB	PREFABRICATED	UNO	UNLESS NOTED OTHERWISE
ARCH	ARCHITECTURAL; ARCHITECT	EL	ELEVATION	KS	KING STUD	PSF	POUNDS PER SQUARE FOOT	UT	ULTRA-SONIC TEST
AWPA	AMERICAN WOOD PRESERVERS ASSOCIATION	ELEC	ELECTRICAL	KP	KING POST	PSI	POUNDS PER SQUARE INCH	VERT	VERTICAL
AWS	AMERICAN WELDING SOCIETY	ELEV	ELEVATOR	KSI	KIPS PER SQUARE INCH	PSL	PARALLEL STRAND LUMBER	VSH	VERTICAL SLOTTED HOLES
AITC	AMERICAN INSTITUTE OF TIMBER CONSTRUCTION	EMBED	EMBEDMENT	LB(S) OR #	POUND(S)	PVMT	PAVEMENT	W/	WITH
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS	EN	EDGE NAIL	LF	LINEAL FOOT	#	POUND; NUMBER	W/O	WITHOUT
BLDG	BUILDING	ENGR	ENGINEER	LN	LINEAL; LINEAR	REF	REFERENCE	WO	WHERE OCCURS
BLK	BLOCK	EQ	EQUAL OR EQUIVALENT	LLH	LONG LEG HORIZONTAL	REIN	REINFORCE; REINFORCING	WD	WOOD
BLKG	BLOCKING	EQUIP	EQUIPMENT	LLV	LONG LEG VERTICAL	REQD	REQUIRED	WP	WORK POINT; WATERPROOF
BM	BEAM	ES	EACH SIDE	LP	LOW POINT	R	ROOF	WWF	WELDED WIRE FABRIC
BN	BOUNDARY NAIL	EW	EACH WAY	LSH	LONG SLOTTED HOLES	RR	ROOF RAFTER		
BOT OR B	BOTTOM	EXIST or (E)	EXISTING	LSL	LAMINATED STRAND LUMBER	Ø	ROUND; DIAMETER		
BRC	BRACE	EXT	EXTERIOR	LT WT	LIGHTWEIGHT	SCHED	SCHEDULE		
BRG	BEARING	FDN	FOUNDATION	LVL	LEVEL OR LAMINATED VENEER LUMBER	SECT	SECTION		
BTRWN	BETWEEN	FIN	FINISH	MAS	MASONRY	SEP	SEPARATION		
CANT	CANTILEVER	FJ	FLOOR JOIST	MATL	MATERIAL	SHT	SHEET		
CAM OR C	CAMBER	FLG	FLANGE	MAX	MAXIMUM	SHTG	SHEATHING		
CC	CENTER TO CENTER	FLR	FLOOR	MB	MACHINE BOLT	SIM	SIMILAR		
CG	CENTER OF GRAVITY	FN	FIELD NAIL	MECH	MECHANICAL	SOG	SLAB ON GRADE		
CF	CAST-IN-PLACE	FOC	FACE OF CONCRETE	MFR	MANUFACTURER	SN	SHEAR NAIL		
CJ	CONSTRUCTION JOINT; CONTROL JOINT	FOM	FACE OF MASONRY	MIN	MINIMUM	SPCG	SPACING		
CL	CENTER LINE	FOS	FACE OF STUD	MISC	MISCELLANEOUS	SPCS	SPECIFICATIONS		
CLR	CLEARANCE; CLEAR	FOW	FACE OF WALL	(N)	NEW	SQ	SQUARE		
CMU	CONCRETE MASONRY UNIT	FRMG	FRAMING	N	NORTH	SS	STAINLESS STEEL		
COL	COLUMN	FT	FOOT; FEET	NO or #	NUMBER	SSL	SHORT SLOTTED HOLES		
COMP	COMPRESSION	FIA	FLOOR TIE ABOVE	NTS	NOT TO SCALE	STD	STANDARD		
CONC	CONCRETE	FTG	FOOTING	OC	ON CENTER	STGR	STAGGER		
CONN	CONNECTION; CONNECT	GA	GAUGE	OD	OUTSIDE DIAMETER	STIF	STIFFENERS		
CONSTR	CONSTRUCTION	GALV	GALVANIZED	OF	OUTSIDE FACE	STIRR	STIRRUP		
CONT	CONTINUE; CONTINUOUS	GB	GRADE BEAM	OH	OPPOSITE HAND	STL	STEEL		
CONTR	CONTRACTOR	GR	GRADE	OPNG	OPENING	STRUCT	STRUCTURAL		
CJP	COMPLETE JOINT PENETRATION WELD	GRND	GROUND	OPP	OPPOSITE	SW	SHEAR WALL		
CTR	CENTER	H or HORIZ	HORIZONTAL	ORIG	ORIGINAL	SYM	SYMMETRICAL		
CYSK	COUNTERSINK; COUNTERSUNK	HDR	HEADER	OSB	ORIENTED STRAND BOARD	TB	TIE BEAM		
CU FT	CUBIC FOOT								

MONO COUNTY ADU PROTOTYPES MONO COUNTY SHEET INDEX, ABBREVIATIONS & SYMBOLS

NO.	REVISION	DATE
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CONSTRUCTION DOCUMENTS

PROJECT MANAGER  
J. MEADOWS

DRAWN BY  
A. LOPEZ

CHECKED BY  
M. DOREMUS

DATE  
AUGUST 18, 2022

PROJECT NUMBER  
2340-01-CU21

SHEET  
S-101

WOOD (GENERAL)

- 1. PRESERVATIVE TREATMENT:
A. WOOD MEMBERS SHALL BE PRESERVATIVE TREATED IN ACCORDANCE WITH AITC 109-07...
B. FOR ALL TREATED WOOD MEMBERS, ALL CUTS, HOLES AND INJURIES SUCH AS ABRASIONS OR HOLES FROM REMOVAL OF NAILS AND SPIKES WHICH MAY PENETRATE THE TREATED ZONE SHALL BE FIELD TREATED...

SAWN LUMBER

Table with columns: USE, SIZE, SPECIES, GRADE, REFERENCE. Includes sections for MUDSILLS, HORIZONTAL FRAMING LUMBER, and VERTICAL FRAMING LUMBER.

- 2. FLOOR JOISTS SHALL BE GRADE STAMPED "S-DRY" WHICH INDICATES A MOISTURE CONTENT NOT EXCEEDING 19 PERCENT.
3. ALL SOLE PLATES AND TOP PLATES SHALL BE GRADE STAMPED "KD" WHICH INDICATES KILN DRIED WITH A MOISTURE CONTENT NOT EXCEEDING 15 PERCENT.
4. STUD WALLS SHOWN ON PLANS ARE NONBEARING PARTITIONS WALLS, BEARING WALLS OR SHEAR WALLS...

HARDWARE AND CONNECTORS

- GENERAL: USE ALL SPECIFIED FASTENERS AS SPECIFIED ON PLANS. IF NOT INDICATED ON PLANS PROVIDE FASTENERS PER MFRS APPROVED ICC-ESR REPORT OR PRODUCT LITERATURE.
HOLDOWNS:
1. DO NOT OVER TIGHTEN NUTS ON TIE-DOWN ANCHOR RODS OR BOLTS. TIGHTEN ANCHOR ROD NUTS ONE-THIRD TO ONE HALF TURN BEYOND FINGER TIGHT...

REINFORCING STEEL

- 1. REINFORCING BARS SHALL CONFORM TO THE REQUIREMENTS OF CHAPTER 19 OF THE CODE AND WITH THE PROVISIONS OF ACI 318-14.
2. CONCRETE MATERIALS SHALL BE IN ACCORDANCE WITH THE FOLLOWING STANDARDS:
A. THE ACTUAL YIELD STRENGTH BASED ON MILL TESTS DOES NOT EXCEED THE SPECIFIED YIELD STRENGTH BY MORE THAN 18.000 PSI.
3. WELDED WIRE REINFORCEMENT (WWR), PLAIN OR DEFORMED, SHALL CONFORM TO ASTM A185...

Table with columns: A, B, C. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH, CONCRETE EXPOSED TO WEATHER OR WEATHER: NO. 6 THROUGH NO. 18 BAR, CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND...

- 12. MECHANICAL BAR SPICE CONNECTIONS SHALL CONFORM TO THE REQUIREMENTS OF ACI 318-14 SECTION 25.5.7.
LENTON STANDARD COUPLERS (IAPMO-ES 0129)
LENTON FORM SAVERS, TYPE SA (IAPMO-ES 0129)
LENTON WELDABLE HALF COUPLERS (IAPMO-ES 0129)
LENTON LOCK COUPLERS PER (IAPMO-SS 0129)

CONCRETE

- 1. ALL CONCRETE CONSTRUCTION SHALL CONFORM WITH CHAPTER 19 OF THE CODE AND WITH THE PROVISIONS OF ACI 318-14.
2. CONCRETE MATERIALS SHALL BE IN ACCORDANCE WITH THE FOLLOWING STANDARDS:
MATERIAL, ASTM STANDARD
PORTLAND CEMENT [TYPE II]\* C150
CONCRETE AGGREGATES (HARDROCK) C33
WATER# C1602
COAL FLY ASH OR POZZOLAN [CLASS F] C618
NATURAL OR MANUFACTURED SAND C33
SLAG C989

Table with columns: LOCATION IN STRUCTURE, MINIMUM STRENGTH (PSI)\*, DENSITY (PCF), MAX SLUMP (IN#), MAX WATER/CEMENT RATIO, SLAG/ FLY ASH\* (MAX). Includes rows for CONCRETE FOUNDATIONS, GRADE BEAMS, TIE BEAMS, CONCRETE BASEMENT WALLS/STEM WALLS, CONCRETE SLAB ON GRADE, STAIRS ON GRADE, CURBS AND OTHER NON-STRUCTURAL CONCRETE, SITE WALLS.

- 3. CONCRETE MIXES SHALL BE PROPORTIONED BASED ON SECTION 26.4.3 OF ACI 318-14.
4. READY MIXED CONCRETE SHALL BE MIXED AND DELIVERED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM C94 OF C685.
5. DEPOSITING AND CONVEYING OF CONCRETE SHALL CONFORM TO SECTION 26.5 OF ACI 318-14 AND PROJECT SPECIFICATIONS.
6. ALL CONCRETE SURFACES AGAINST WHICH NEW CONCRETE IS TO BE PLACED SHALL BE CLEANED AND ROUGHENED TO 1/4" AMPLITUDE.
7. ALL REINFORCING BARS, ANCHOR BOLTS AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.

FOUNDATION

- 1. GEOTECHNICAL INFORMATION AND FOUNDATION DESIGN IS BASED ON THE FOLLOWING:
A. DESIGN LATERAL SOIL LOADS ARE IN ACCORDANCE WITH 2019 CBC TABLE 1610.1
B. ALLOWABLE FOUNDATION BEARING AND LATERAL PRESSURES ARE IN ACCORDANCE WITH 2019 CBC TABLE 1806.2
2. SPREAD OR CONTINUOUS FOOTINGS:
ELEMENT, ALLOWABLE BEARING CAPACITY (PSF) A, PASSIVE RESISTANCE (PSF/FT BELOW GRADE) E, COHESION (PSF)

Table with columns: ELEMENT, ALLOWABLE BEARING CAPACITY (PSF) A, PASSIVE RESISTANCE (PSF/FT BELOW GRADE) E, COHESION (PSF). Includes rows for CONTINUOUS FOOTINGS.

- NOTES:
A. THE ALLOWABLE CAPACITY MAY BE INCREASED BY ONE-THIRD WHEN CONSIDERING LOADS OF SHORT DURATION SUCH AS WIND OR SEISMIC FORCES.
B. THE ALLOWABLE LATERAL RESISTANCE CAN BE TAKEN AS THE SUM OF THE FRICTIONAL RESISTANCE AND PASSIVE RESISTANCE.
C. THE UPPER FOOT OF SOIL NOT PROTECTED BY PAVEMENT SHALL BE NEGLECTED WHEN CALCULATING PASSIVE RESISTANCE.
D. COMPACTED FILL SHOULD BE PREPARED AS FOLLOWS: A MIN OF 12" OF COMPACTED FILL SHALL BE PROVIDED, COMPACTED TO A MIN OF 90 PERCENT MODIFIED PROCTOR IN ACCORDANCE WITH ASTM D 1557 (2019 CBC 1804.4)
E. MAY BE DOUBLED FOR ISOLATED POLES PER 2019 CBC 1806.3.4

DESIGN INFORMATION

Table with columns: OCCUPANCY OR USE, UNIFORM (PSF), CONC. (LBS), REFERENCE. Includes row for ROOF LIVE LOADS.

Table with columns: PARAMETER, VALUE, REFERENCE. Includes row for SNOW DESIGN DATA.

Table with columns: PARAMETER, VALUE, REFERENCE. Includes row for WIND DESIGN DATA.

Table with columns: LOCATION, COMPONENT TRIBUTARY AREA (SQ FT), VALUE. Includes rows for ROOF and OVERHANG.

Table with columns: PARAMETER, VALUE, REFERENCE. Includes rows for RISK CATEGORY, SEISMIC IMPORTANCE FACTOR, MAPPED SPECTRAL RESPONSE ACCELERATIONS, SITE CLASS, SPECTRAL RESPONSE COEFFICIENTS.

Table with columns: PARAMETER, VALUE, REFERENCE. Includes rows for SEISMIC DESIGN CATEGORY, BASIC SEISMIC FORCE RESISTING SYSTEM, RESPONSE MODIFICATION FACTOR, SYSTEM OVERSTRENGTH FACTOR, DEFLECTION AMPLIFICATION FACTOR, DESIGN BASE SHEAR, SEISMIC RESPONSE COEFFICIENTS, ANALYSIS PROCEDURE USED.

Table with columns: PARAMETER, VALUE, REFERENCE. Includes rows for SEISMIC DESIGN CATEGORY, BASIC SEISMIC FORCE RESISTING SYSTEM, RESPONSE MODIFICATION FACTOR, SYSTEM OVERSTRENGTH FACTOR, DEFLECTION AMPLIFICATION FACTOR, DESIGN BASE SHEAR, SEISMIC RESPONSE COEFFICIENTS, ANALYSIS PROCEDURE USED.

Table with columns: LOCATION, MAX UNIFORM (PSF), CONC. (LBS), REFERENCE. Includes rows for ROOF (ASPHALT SHINGLES), WALL (SIDING).

EXISTING UNDERGROUND UTILITIES

- 1. THE ARCHITECT AND ENGINEERS ARE NOT RESPONSIBLE FOR THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES WHETHER OR NOT SHOWN ON THE DRAWINGS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES WHICH MAY RESULT FROM HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ALL EXISTING UNDERGROUND UTILITIES.
3. AN UNDERGROUND SERVICE ALERT INQUIRY IDENTIFICATION NUMBER MUST BE OBTAINED AT LEAST TWO WORKING DAYS BEFORE STARTING WORK WITH THIS PERMIT.

GENERAL

- 1. ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE FOLLOWING CODES AND STANDARDS:
A. 2019 CALIFORNIA BUILDING CODE, PART 2, VOLUME 2 OF 2, AND TITLE 24 C.C.R., 2019 EDITION AND LATEST REVISIONS (INCLUDING SUPPLEMENTS AND ERRATA) HEREIN REFERRED TO AS "THE CODE".
2. ALL DRAWINGS ARE CONSIDERED TO BE A PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION.
3. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.
5. SEE ARCHITECTURAL DRAWINGS FOR THE FOLLOWING:
A. SIZE AND LOCATION OF ALL DOOR AND WINDOW OPENINGS, EXCEPT AS NOTED
B. SIZE AND LOCATION OF ALL INTERIOR AND EXTERIOR NON-BEARING PARTITIONS UNLESS NOTED AND/OR DETAILED ON THE STRUCTURAL DRAWINGS

DIMENSIONS

- 1. DIMENSIONS SHALL BE DEFINED TO INCLUDE BOTH HORIZONTAL DIMENSIONS AND VERTICAL DIMENSIONS (ELEVATIONS).
2. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DRAWINGS.
3. SEE ARCHITECTURAL DRAWINGS FOR DIMENSION NOT NOTED ON STRUCTURAL DRAWINGS.
4. SEE ARCHITECTURAL AND/OR CIVIL DRAWINGS FOR FINISH FLOOR ELEVATIONS.
5. SEE ARCHITECTURAL DRAWINGS FOR ALL TOP OF SHEATHING AND/OR ROOF ELEVATIONS.
6. THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES OR INCONSISTENCIES.

CONSTRUCTION DOCUMENTS

Table with columns: NO., REVISION, DATE. Includes rows for revision tracking.



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CONSULTANT

AGENCY

MONO COUNTY ADU
PROTOTYPES
MONO COUNTY
GENERAL NOTES

Table with columns: NO., REVISION, DATE. Includes rows for revision tracking.

PROJECT MANAGER
J. MEADOWS
DRAWN BY
A. LOPEZ
CHECKED BY
M. DOREMUS
DATE
AUGUST 18, 2022
PROJECT NUMBER
2340-01-CU21
SHEET

S-102

**SHOP FABRICATION**

- SHOP FABRICATION REQUIRES SPECIAL INSPECTION IN ACCORDANCE WITH CODE SECTION 1704.2.5. EXCEPTION: SHOP SPECIAL INSPECTIONS ARE NOT REQUIRED WHEN WORK IS DONE ON THE PREMISES OF FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK IN ACCORDANCE WITH CODE SECTION 1704.2.5.1. THE FOLLOWING ACCREDITATIONS MEET THE REQUIREMENTS OF THIS EXCEPTION:
  - WOOD BUILDING
    - WOOD STRUCTURAL PANELS (SHEATHING) SHALL BE IDENTIFIED BY THE APA TRADEMARK.
    - TRUSS MANUFACTURER SHALL BE FABRICATED IN A SHOP WITH CURRENT FABRICATOR COMPLIANCE CERTIFICATES PER CBC SECTION 1704.2.5.1.

**REQUIRED VERIFICATION AND INSPECTIONS**

CONCRETE CONSTRUCTION CODE TABLE 1705.3			
SPECIAL INSPECTION OR TEST	CONTINUOUS PERIOD	REFERENCED STANDARD	CBC REFERENCE
1. INSPECT REINFORCEMENT AND VERIFY PLACEMENT.	— X	ACI 318: CH 20, 25.2, 25.3, 26.6.1-26.6.3	1908.4
2. REINFORCING BAR WELDING: <ol style="list-style-type: none"> <li>VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706</li> <li>INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM <math>\frac{3}{16}</math>" AND</li> <li>INSPECT ALL OTHER WELDS</li> </ol>	— X — X X	AWS D1.4 ACI 318: 26.6.4	—
3. INSPECT ANCHORS CAST IN CONCRETE	— X	ACI 318: 17.8.2	—
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS <sup>(1)</sup> <ol style="list-style-type: none"> <li>ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS</li> <li>MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.a.</li> </ol>	X X	ACI 318: 17.8.2.4 ACI 318: 17.8.2	—
5. VERIFY USE OF REQUIRED MIX DESIGN	— X	ACI 318: CH. 19, 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	ASTM C 172 ASTM C 31 ACI 318: 26.5, 26.12	1908.10
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	— X	ACI 318: 26.5.3-26.5.5	1908.9
12. INSPECT FORMWORK FOR SHAPE, LOCATION, AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	— X	ACI 318: 26.11.1.2 (b)	—

SPECIAL INSPECTIONS LISTED FOR CONCRETE ALSO APPLY TO GROUTING OPERATIONS.

- INDICATES INSPECTION REQ'D FOR ALL CONCRETE WORK
- INDICATES INSPECTION REQ'D FOR 3,000 PSI AND GREATER CONCRETE WORK ONLY

WOOD CODE CHAPTER 17 AND REFERENCED 2018 NDS AND AWC SDPWS-2015			
SPECIAL INSPECTION OR TEST	CONTINUOUS PERIOD	CBC REFERENCE	
1. HIGH LOAD DIAPHRAGM WOOD STRUCTURAL PANELS - VERIFY THE FOLLOWING: <ul style="list-style-type: none"> <li>GRADE</li> <li>THICKNESS</li> <li>NOMINAL SIZE OF FRAMING MEMBERS AT ADJOINING PANEL EDGES</li> <li>NAIL OR STAPLE DIAMETER AND LENGTH</li> <li>NUMBER OF FASTENER LINES</li> <li>SPACING BETWEEN FASTENERS IN EACH LINE</li> <li>SPACING BETWEEN FASTENERS AT EDGE MARGINS</li> </ul>	— X	1705.5.1 2306.2	
3. WOOD LATERAL FORCE-RESISTING SYSTEM WITH FASTENER SPACING OF THE SHEATHING LESS THAN OR EQUAL TO 4" OC. <ul style="list-style-type: none"> <li>WOOD SHEAR WALLS</li> <li>WOOD DIAPHRAGMS</li> <li>DRAG STRUTS</li> <li>SHEAR PANELS</li> <li>HOLD-DOWNS</li> </ul>	— X	1705.12.2	
4. WOOD LATERAL FORCE-RESISTING SYSTEM WITH FASTENER SPACING OF THE SHEATHING GREATER THAN 4" OC (NOT REQUIRED) <ul style="list-style-type: none"> <li>WOOD SHEAR WALLS</li> <li>WOOD DIAPHRAGMS</li> <li>DRAG STRUTS</li> <li>SHEAR PANELS</li> <li>HOLD-DOWNS</li> </ul>	— —	1705.12.2	

SOILS CODE TABLE 1705.6			
SPECIAL INSPECTION OR TEST	CONTINUOUS PERIOD	CBC REFERENCE	
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	—	X	
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	—	X	
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS	—	X	
4. VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	X	—	
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	—	X	

**STRUCTURAL COMPOSITE LUMBER**

- STRUCTURAL COMPOSITE LUMBER SHALL HAVE STRUCTURAL CAPACITIES AND DESIGN PROVISIONS ESTABLISHED AND MONITORED IN ACCORDANCE WITH ASTM D5456 PER CODE SECTION 2303.1.10
- STRUCTURAL COMPOSITE LUMBER SHALL BE IDENTIFIED WITH THE MANUFACTURER'S NAME AND/OR LOGO, THE NAME AND/OR LOGO OF THE INSPECTION AGENCY (PS CORP., INTERTEK, OR APA-EWS) AND THE EVALUATION REPORT NUMBER, THE PLANT NUMBER, PRODUCT DESIGNATION OR TYPE, PRODUCTION DATE, AND GRADE.
- INSTALLATION, FABRICATION, IDENTIFICATION AND CONNECTION DETAILS SHALL BE IN ACCORDANCE WITH THE APPLICABLE ICC REPORT.
- LAMINATED VENEER LUMBER (LVL)
  - LAMINATED VENEER LUMBER SHALL BE ONE OF THE FOLLOWING:
    - MICROLAM LAMINATED VENEER LUMBER GRADE 2.0E-2750F, WS, MANUFACTURED BY WEYERHAEUSER IN ACCORDANCE WITH ICC-ESR 1387.
    - REDLAM LAMINATED VENEER LUMBER GRADE 2.0E DF/LP/WH, MANUFACTURED BY REDBUILT IN ACCORDANCE WITH ICC-ESR 2993.
  - IDENTIFICATION: IN ADDITION TO THE IDENTIFICATION LISTED FOR STRUCTURAL COMPOSITE LUMBER ABOVE, LVL SHALL BE IDENTIFIED WITH THE SPECIES OR SPECIES GROUP.
- PARALLEL STRAND LUMBER (PSL)
  - PARALLEL STRAND LUMBER SHALL BE PARALLAM PARALLEL STRAND LUMBER GRADE 2.0E DF, MANUFACTURED BY WEYERHAEUSER IN ACCORDANCE WITH ICC-ESR 1387.
- LAMINATED STRAND LUMBER (LSL)
  - LAMINATED STRAND LUMBER SHALL BE TIMBERSTRAND LAMINATED STRAND LUMBER GRADE 1.5SE, MANUFACTURED BY WEYERHAEUSER IN ACCORDANCE WITH ICC-ESR 1387.
- PRODUCTS FROM OTHER MANUFACTURERS MAY BE USED WITH EQUAL OR GREATER CAPACITIES. REQUESTS FOR PRODUCT SUBSTITUTION SHALL FOLLOW THE REQUIREMENTS LISTED IN THE SUBMITTALS SECTION.

**PRE-FABRICATED WOOD TRUSS NOTES**

- THE DESIGN OF METAL PLATE CONNECTED WOOD TRUSSES SHALL BE IN ACCORDANCE WITH THE FOLLOWING:
    - CODES AND STANDARDS:
      - THE GOVERNING CODE LISTED IN THE PROJECT GENERAL NOTES
      - MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES (ASCE 7-16)
      - NATIONAL DESIGN STANDARD FOR WOOD CONSTRUCTION AND SUPPLEMENT (ANSI/AWC NDS-2018)
      - SPECIAL DESIGN PROVISIONS FOR WIND & SEISMIC (AWC SDPWS-2015)
      - THE NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION (ANSI/TPI 1-2014)
    - DESIGN CRITERIA:
      - TRUSSES SHALL BE DESIGNED FOR THE FOLLOWING: MINIMUM VERTICAL LOADS AND OTHER LOADS INDICATED ON THE CONSTRUCTION DOCUMENTS (ATTIC MECHANICAL UNITS, ETC.)
- ROOF TRUSS LOADING:**
- |                        |   |
|------------------------|---|
| TOP CHORD DEAD LOAD:   | 17.2 PSF (15.8 PSF SUPERIMPOSED)            |
| BOT CHORD DEAD LOAD:   | 6.5 PSF (5.4 PSF SUPERIMPOSED)              |
| ROOF - LIVE LOAD:      | 20 PSF                                      |
| TOP CHORD - SNOW LOAD: | PER PLAN AND SPECIFIC LOCATION              |
|                        | OWNER/CONTRACTOR TO PROVIDE TO TRUSS MANUF. |
- DEFLECTION CRITERIA:**
- |                  |       |
|------------------|-------|
| DEAD + LIVE LOAD | L/240 |
| LIVE LOAD ONLY   | L/360 |
- [ ] INDICATES HORIZONTAL SEISMIC/WIND LOAD ON COLLECTOR TRUSSES. THE TRUSS DESIGNER SHALL DESIGN FOR THE TRUSSES FOR THE INDICATED HORIZONTAL LOAD ACTING IN BOTH THE TOP AND BOTTOM TRUSS CHORDS AND FOR THE TRANSFER OF THE FORCE TO THE CHORDS THROUGH THE WEB.
- CONTRACTOR REQUIREMENTS:
    - THE CONTRACTOR SHALL MEET ALL THE REQUIREMENTS LISTED IN SECTION 2.3.4 OF ANSI/TPI 1-2014 INCLUDING THE FOLLOWING:
      - MEANS AND METHODS: THE CONTRACTOR IS RESPONSIBLE FOR ALL MEANS AND METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, PROGRAMS AND SAFETY IN CONNECTION WITH THE RECEIPT, STORAGE, HANDLING, INSTALLATION, RESTRAINING, AND BRACING OF THE TRUSSES. REFER TO THE GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING, RESTRAINING & BRACING OF METAL PLATE CONNECTED WOOD TRUSSES (BCS-81)
      - TRUSS INSTALLATION SHALL COMPLY WITH INSTALLATION TOLERANCES SHOWN IN BCS-81
      - TEMPORARY INSTALLATION RESTRAINT/BRACING FOR THE TRUSS SYSTEM AND THE PERMANENT TRUSS SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH BCS-82.
      - CONSTRUCTION LOADING ON TRUSSES SHALL BE DONE IN ACCORDANCE WITH BCS-84.
      - TRUSS DAMAGE, JOBSITE MODIFICATIONS & INSTALLATION ERRORS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE EOR AND THE TRUSS DESIGNER. REFERENCE BCS-85.
      - SUBMIT THE DRAWINGS FROM THE TRUSS DESIGNER/MANUFACTURER TO THE BUILDING DEPARTMENT PRIOR TO FABRICATION FOR APPROVAL. A COPY OF THIS SUBMITTAL SHALL BE PROVIDED TO THE COUNTY BUILDING DEPARTMENT OF RECORD FOR REVIEW OF GENERAL CONFORMANCE TO THE DESIGN INTENT. THE CONTRACTOR SHALL INCORPORATE THE TIME REQUIRED FOR THE SUBMITTAL TO BE REVIEWED, STAMPED AND APPROVED BY ALL PARTIES AND SHALL HAVE THE APPROVED TRUSS PLANS ON THE JOB SITE PRIOR TO FOUNDATION INSPECTION.
    - TRUSS DESIGNER REQUIREMENTS:
      - THE TRUSS DESIGNER SHALL MEET ALL THE REQUIREMENTS LISTED IN SECTION 2.3.5.5 OF ANSI/TPI 1-2014 INCLUDING THE FOLLOWING:
        - TRUSS DESIGNER SHALL SUPERVISE THE PREPARATION OF THE TRUSS DESIGN DRAWINGS WHICH SHALL CONTAIN THE INFORMATION LISTED IN SECTION 2.3.5.5 OF ANSI/TPI 1-2014. THIS INCLUDES ALL TRUSS TO TRUSS CONNECTIONS, AND DETAILS FOR THE "CALIFORNIA FILL" AREAS.
        - TRUSS DESIGNER SHALL COMPLY WITH THE REFERENCED CODE AND DESIGN CRITERIA ABOVE.
        - TRUSS DESIGNER SHALL SHOW ALL HANGERS, BRACING AND RESTRAINTS AS WELL AS METHOD OF RESTRAINT/BRACING ON THE TRUSS PLANS TO MEET ANY SEISMIC AND WIND REQUIREMENTS OF THE CODE.
        - SUBMIT TRUSS DESIGN DRAWINGS INCLUDING ALL RELEVANT DETAILS FOR THE FABRICATION OF THE TRUSSES AND PREPARE CALCULATIONS. ALL PLANS, DETAILS AND CALCULATIONS FOR THE TRUSSES SHALL BE STAMPED AND SIGNED BY A LICENSED PROFESSIONAL ENGINEER (CIVIL OR STRUCTURAL), LICENSED TO PRACTICE IN THE STATE OF CALIFORNIA.

**WOOD STRUCTURAL PANELS (SHEATHING)**

- WOOD STRUCTURAL PANELS SHALL MEET THE FOLLOWING MINIMUM STANDARDS EXCEPT WHERE OTHERWISE NOTED:
 

WOOD STRUCTURAL PANEL PROPERTIES						
USE	PLY	BOND CLASSIFICATION <sup>c</sup>	SHEATHING GRADE	PERFORMANCE RATING	SPAN RATING	RATING <sup>b</sup> REFERENCE <sup>a</sup>
ROOF	5	EXPOSURE 1	REFER TO TYPICAL DIAPHRAGM SCHEDULE			APA 2019 CBC 2303.1.5 (DOC PS 1-09 OR PS 2-10)
FLOOR	5	EXPOSURE 1				APA
WALL <sup>d</sup>	5	EXPOSURE 1	REFER TO TYPICAL SHEAR WALL SCHEDULE			APA

TABLE NOTES:

  - WOOD STRUCTURAL PANELS SHALL CONFORM TO THE REQUIREMENTS FOR THEIR TYPE IN ACCORDANCE WITH THE FOLLOWING VOLUNTARY STANDARDS BY THE ENGINEERED WOOD ASSOCIATION (APA):
    - VOLUNTARY PRODUCT STANDARD, STRUCTURAL PLYWOOD, PS 1-09
    - VOLUNTARY PRODUCT STANDARD, PERFORMANCE STANDARD FOR WOOD-BASED STRUCTURAL-USE PANELS, PS 2-10
  - WOOD STRUCTURAL PANELS SHALL BE IDENTIFIED BY THE APA TRADEMARK INDICATING CONFORMANCE TO THE APPLICABLE VOLUNTARY STANDARD
  - WHERE PANELS ARE EXPOSED TO REPEATED WETTING AND REDRYING, LONG-TERM EXPOSURE TO WEATHER, OR CONDITIONS OF SIMILAR SEVERITY, "EXTERIOR" APA RATED PLYWOOD SHEATHING SHALL BE USED. C-D "EXPOSURE 1" APA RATED PLYWOOD SHEATHING (CDX) SHALL NOT BE USED FOR CONDITIONS INVOLVING LONG-TERM EXPOSURE TO WEATHER.
    - EXCEPTION: WOOD STRUCTURAL PANEL ROOF SHEATHING EXPOSED TO THE OUTDOORS ON THE UNDERSIDE IS PERMITTED TO BE "EXPOSURE 1" TYPE.
    - WOOD STRUCTURAL PANELS TO BE USED AS SIDING SHALL COMPLY WITH ANSI/APA PRP-210.
  - ORIENTED STRAND BOARD (OSB) WITH EQUIVALENT CLASSIFICATION AND RATINGS MAY BE USED IN LIEU OF PLYWOOD FOR WOOD STRUCTURAL PANEL WALL SHEATHING.
- TRANSPORTATION, STORAGE, AND HANDLING:
  - TRANSPORTATION
    - IN TRANSPORTING PANELS ON OPEN TRUCK BEDS, COVER THE BUNDLES WITH A TARP.
  - STORAGE
    - ALWAYS STORE THE PANELS UNDER COVER WHENEVER POSSIBLE
    - WHEN STORING PANELS OUTSIDE STACK THEM ON A LEVEL SURFACE ON TOP OF STRINGERS OR OTHER BLOCKING, THREE STRINGERS MINIMUM.
    - NEVER LEAVE PANELS IN CONTACT WITH THE GROUND
    - COVER THE STACK WITH A PLASTIC TARP, ENSURING THAT THE BUNDLE IS WELL VENTILATED TO PREVENT MILDEW.
    - IF MOISTURE ABSORPTION IS EXPECTED, CUT THE STEEL BAND TO PREVENT DAMAGE
    - KEEP SANDED OR OTHER APPEARANCE GRADE PANELS AWAY FROM HIGH TRAFFIC AREAS
  - HANDLING
    - ALWAYS PROTECT ENDS AND EDGES, ESPECIALLY TONGUE AND GROOVE PRODUCTS, FROM PHYSICAL DAMAGE.
    - ACCLIMATE THE PANELS FOR 24 HOURS MINIMUM BEFORE INSTALLATION BY STANDING THE PANELS ON EDGE WITH A GAP BETWEEN EACH TO ALLOW FOR AIR CIRCULATION OR PER MANUFACTURER'S RECOMMENDATIONS.
- PLYWOOD ORIENTATION
  - ROOF AND FLOOR SHEATHING SHALL BE LAID WITH THE GRAIN OF THE OUTER PILES PERPENDICULAR TO THE FRAMING MEMBERS. SHALL BE CONTINUOUS OVER 2 JOIST BAYS MINIMUM AND END JOINTS SHALL BE JOINED OVER FRAMING AND STAGGERED. LEAVE  $\frac{1}{8}$ " GAP BETWEEN PANELS TO ALLOW FOR PANEL EXPANSION UNLESS OTHERWISE RECOMMENDED BY THE PANEL MANUF. REFER TO SPECIFIC DETAILS IN THE DRAWINGS FOR FURTHER PARAMETERS.
  - PLYWOOD OR OSB WALL SHEATHING MAY BE APPLIED VERTICALLY OR HORIZONTALLY. ALL END JOINTS BE JOINED OVER FRAMING AND STAGGERED.
  - BLOCKING:
    - ROOF: ALL ROOF SHEATHING SHALL BE BLOCKED UNLESS SPECIFICALLY ALLOWED ON PLANS, WHERE PERMITTED TO BE UNBLOCKED. ALL UNBLOCKED EDGES SHALL BE TONGUE AND GROOVE.
    - FLOOR SHEATHING SHALL BE BLOCKED UNLESS SPECIFICALLY ALLOWED ON PLANS, WHERE PERMITTED TO BE UNBLOCKED. ALL UNBLOCKED EDGES SHALL BE TONGUE AND GROOVE.
    - WALLS: ALL SHEAR WALLS SHALL BE FULLY BLOCKED AT PLYWOOD EDGES.
  - FASTENERS
    - USE SHEATHING NAILS SAME GAUGE AS COMMON WIRE NAILS WITH LENGTHS AT LEAST EQUAL TO SHEATHING THICKNESS PLUS REQUIRED PENETRATION PER AWS SDPWS TABLE 4.2A OR 4.3A (AS REQUIRED).
    - EQUIVALENT PNEUMATIC DRIVE NAILS OR STAPLES MAY BE USED IF FASTENER MANUFACTURER HAS RECEIVED ICC OR IAPMO APPROVAL FOR THE INTENDED USE. FASTENERS TO BE SUBSTITUTED SHALL BE EQUIVALENT IN LATERAL AND WITHDRAWAL STRENGTH TO THE SIZE OF COMMON NAIL SPECIFIED.
    - USE OF MACHINE NAILING IS SUBJECT TO A SATISFACTORY JOB SITE DEMONSTRATION FOR EACH PROJECT AND THE APPROVAL BY THE PROJECT ARCHITECT OR STRUCTURAL ENGINEER. THE APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE. MACHINE NAILING WILL NOT BE APPROVED IN 5/16" PLYWOOD OR OSB SHEATHING. IF NAIL HEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED, THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY.
    - TYPICAL NAILING SHALL BE 10D AT 4' O.C. AT ALL SUPPORTED EDGES AND OVER SHEAR WALLS, AND 10D AT 12" O.C. AT ALL INTERMEDIATE SUPPORTS, UNLESS OTHERWISE NOTED. SEE PLANS AND REFER TO SHEAR WALL SCHEDULE.



CONSULTANT

AGENCY

**MONO COUNTY ADU PROTOTYPES**  
 MONO COUNTY

**GENERAL NOTES, SPECIAL INSPECTION & TESTS**

NO.	REVISION	DATE
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**PROJECT MANAGER**  
 J. MEADOWS

**DRAWN BY**  
 A. LOPEZ

**CHECKED BY**  
 M. DOREMUS

**DATE**  
 AUGUST 18, 2022

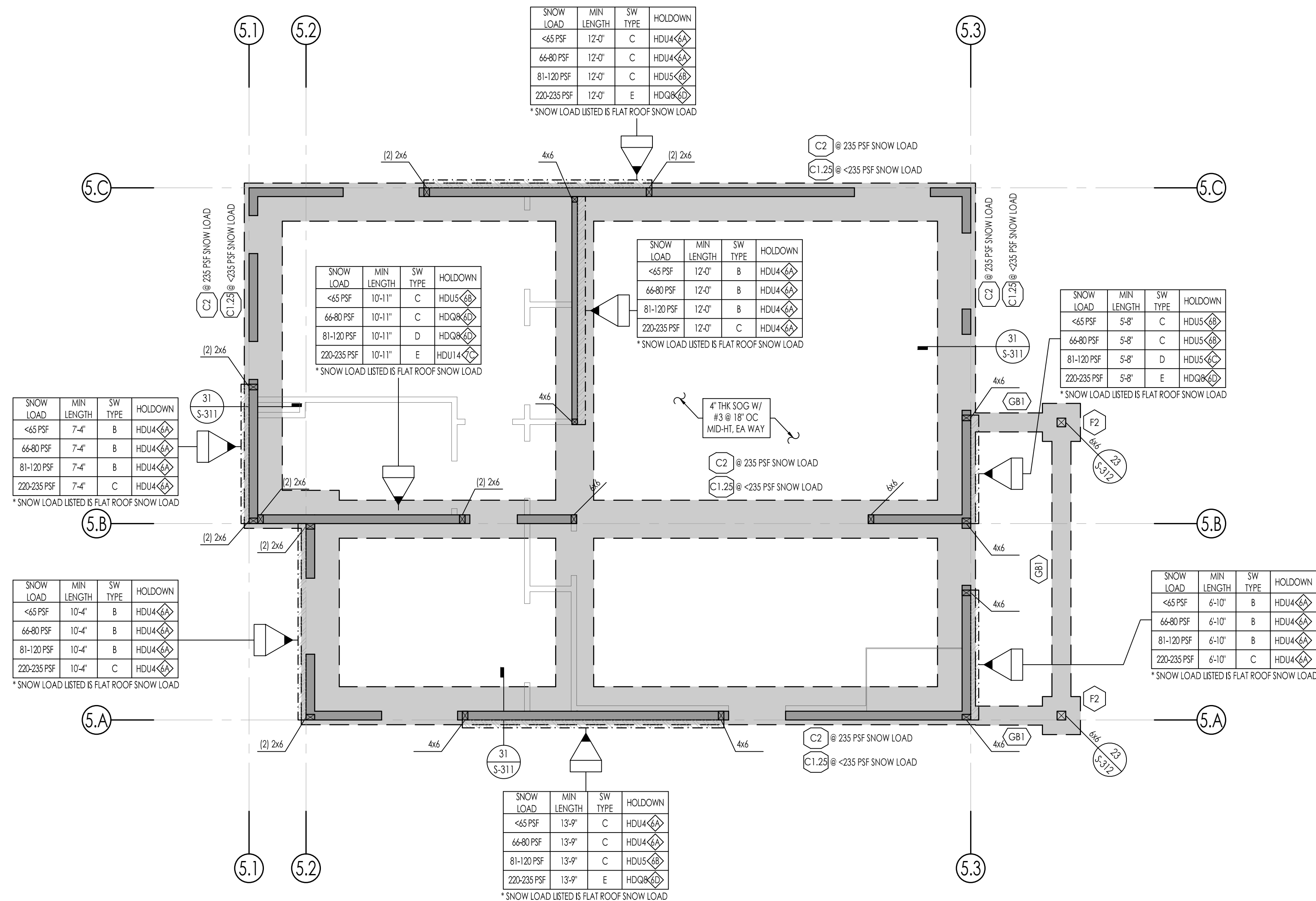
**PROJECT NUMBER**  
 2340-01-CU21

**SHEET**

**S-103**

CONSULTANT

AGENCY



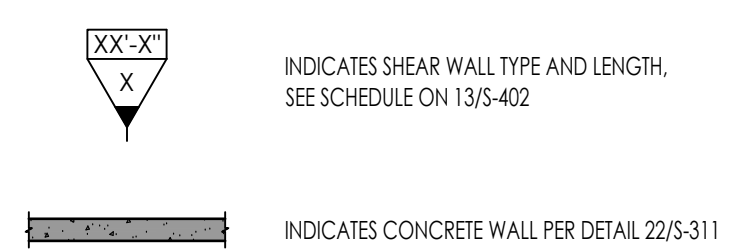
**1** FOUNDATION PLAN - HIGH DESERT SLAB ON GRADE OPTION  
SCALE: 1/4" = 1'-0"

**FOUNDATION PLAN NOTES**

- REFER TO THE FOLLOWING SHEETS FOR TYPICAL DETAILS:
 

DESCRIPTION	SHEET (S)
SYMBOLS AND ABBREVIATIONS	S-101
STRUCTURAL GENERAL NOTES	S-102 - S-103
TESTING AND INSPECTION	S-103
TYPICAL CONCRETE DETAILS	S-301
TYPICAL WOOD DETAILS	S-401 - S-404
- SEE ARCHITECTURAL DRAWINGS FOR FINISHED FLOOR ELEVATIONS. REFERENCE FINISHED FLOOR ELEVATION = 0'-0" CORRESPONDS TO FINISHED FLOOR ELEVATION.
- ALL DIMENSIONS SHOWN ARE FROM FACE OF CONCRETE/MASONRY, FACE OF SHEATHING, OR CENTERLINE OF COLUMN. ALL COLUMNS ARE CENTERED IN STUD WALLS, UNO.
- FOR ANY DIMENSIONAL INFORMATION NOT SHOWN, SEE ARCHITECTURAL DRAWINGS.
- SEE ARCHITECTURAL DRAWINGS FOR ANY EMBEDDED ITEMS AND ALL EXTERIOR CONCRETE PAVE
- SEE PLANS AND ARCHITECTURAL DRAWINGS FOR DEPRESSIONS AND/OR SLOPES IN CONCRETE SLABS.
- SEE ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF ALL DOOR AND WINDOW OPENINGS IN BEARING AND NON-BEARING WALLS.
- SEE ARCHITECTURAL DRAWINGS FOR LOCATION OF INTERIOR NON-BEARING PARTITIONS.
- SEE ARCHITECTURAL, PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL EMBEDDED ITEMS AND SLAB PENETRATIONS.
- FOR TYPICAL SLAB-ON-GRADE REQUIREMENTS, INCLUDING SLAB JOINTS, SEE DETAIL 31/S-301.
- ALL POSTS IN 4" WALLS SHALL BE 4x4, UNLESS NOTED OTHERWISE  
ALL POSTS IN 6" WALLS SHALL BE 6x6, UNLESS NOTED OTHERWISE
- PLATE WASHERS ARE REQUIRED FOR ALL SILL PLATE ANCHOR BOLTS. REFER TO 34/S-402 FOR PLATE WASHER REQUIREMENTS AT SHEAR WALLS.
- ALL HOLD-DOWN ANCHOR NUTS SHALL BE TIGHTENED JUST PRIOR TO COVERING.
- ALL BOLT HOLES IN WOOD MEMBERS, SHALL BE DRILLED A MAXIMUM OF 1/16" OVERSIZED. INSPECTOR TO VERIFY.
- THE BUILDING PAD SHALL BE PREPARED AS OUTLINED IN DETAIL S3/S-301. THE BUILDING OFFICIAL SHALL REQUIRE PAD CERTIFICATION BY A GEOTECHNICAL ENGINEER AT THEIR DISCRETION.
- BOTTOM OF FOOTING SHALL BE, UNLESS DEEPER FOUNDATIONS ARE REQUIRED BY THE BUILDING OFFICIAL:
  - 18" BELOW PAD OR ADJACENT GRADE AT PERIMETER, WHICHEVER IS DEEPER, UNO.
  - 18" BELOW PAD OR ADJACENT GRADE AT INTERIOR GRADE BEAMS, WHICHEVER IS DEEPER, UNO.
 NOTE: FOOTING MUST BE DEEPENED LOCALLY PER DETAIL 32/S-301 TO ACCOMMODATE ANCHOR BOLT HOLD-DOWN EMBED DEPTHS, OR FROST DEPTHS AS INDICATED BY THE BUILDING OFFICIAL.
- DIAPHRAGM TYPE:  
ALL FLOOR DIAPHRAGMS SHALL BE TYPE D, UNO  
REFER TO 12/S-403
- OWNER MAY SELECT EITHER SLAB ON GRADE FOUNDATION OR THE RAISED FLOOR FOUNDATION, TO SUIT THE SPECIFIC SITE.
- WHERE RAISED FLOOR FOUNDATION IS SELECTED, OWNER HAS THE OPTION TO USE CRIPPLE STUD WALLS IN LIEU OF THE SPECIFIED CONCRETE STEM WALLS BELOW THE FLOOR FRAMING. CRIPPLE STUDS ARE TO MATCH TYPICAL WALL FRAMING, AND TO BE SHEATHED TO MATCH SHEARWALLS ABOVE. HOLD-DOWNS SPECIFIED SHALL BE INSTALLED ACROSS THE FLOOR FRAMING PER DETAIL 12/S-405 AND THEN INTO THE CONCRETE STEM WALL PER DETAILS 22/S-311 AND 24/S-311.
- REFER TO ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF UNDERLOOR ACCESS HOLE.
- REFER TO ARCHITECTURAL DRAWINGS FOR UNDERLOOR HEIGHT ALLOWANCE.
- ALL SNOW LOADS LISTED ARE THE FLAT ROOF SNOW LOAD. TO FIND THE FLAT ROOF SNOW LOAD, FOLLOW THIS EQUATION: FLAT ROOF SNOW = 0.77 x GROUND SNOW LOAD.
- LOCATION OF CRAWL SPACE ACCESS IS SPECIFIC TO SITE. REFER TO DETAIL 33/S-313 FOR OPENING AT CONC WALL FOOTING.

**SYMBOL LEGEND**



**SCHEDULES**

HOLD-DOWN SCHEDULE		CONTINUOUS FOOTING SCHEDULE				GRADE BEAM SCHEDULE								
SPECIFIES HOLD-DOWN/STRAP DETAIL	INDICATES HOLD-DOWN/STRAP TYPE	MARK	WIDTH	MIN EMBED BELOW LOWEST PAD GRADE	LONG REIN	TRANS REIN	DETAIL	TYPE	WIDTH	THICKNESS	MIN EMBED BELOW LOWEST PAD GRADE	LONG REIN	TRANS REIN	DETAIL
4x4	INDICATES SIMPSON SSB HOLD-DOWN TO: CONC FOUNDATION: CONC STEM WALL:	C1.29	1'-3"	SEE NOTE 16	(2) #5 T&B	#3 @ 12" OC, BOT	31/S-311	GB1	1'-0"	1'-0"	SEE NOTE 16	(2) #4 @ TOP (2) #4 @ BOT	#3 @ 24" OC	13/S-312
4x6	INDICATES SIMPSON SB HOLD-DOWN TO: CONC FOUNDATION: CONC STEM WALL:	C2	2'-0"	SEE NOTE 16	(3) #5 T&B	#3 @ 12" OC, BOT	31/S-311							
T-FOOTING SCHEDULE		PAD FOOTING SCHEDULE												
TYPE	WIDTH	THICKNESS	MIN EMBED BELOW LOWEST PAD GRADE	LONG REIN	TRANS REIN	DETAIL	TYPE	WIDTH	LENGTH	THICKNESS	MIN EMBED BELOW LOWEST PAD GRADE	TOP REIN	BOT REIN	DETAIL
T1.29	1'-3"	1'-0"	SEE NOTE 16	(2) #4 @ TOP (2) #4 @ BOT	#3 @ 24" OC	13/S-312	F2	2'-0"	2'-0"	1'-6"	SEE NOTE 16	(3) #5 EW	(3) #5, EW	11/S-312
T2	2'-0"	1'-0"	SEE NOTE 16	(3) #4 @ TOP (3) #4 @ BOT	#3 @ 24" OC	13/S-312	F3	3'-0"	3'-0"	1'-6"	SEE NOTE 16	(4) #5, EW	(4) #5, EW	11/S-312
							F5	5'-0"	5'-0"	1'-6"	SEE NOTE 16	(6) #5, EW	(6) #5, EW	11/S-312

NOTE: FOOTING MUST BE DEEPENED LOCALLY PER DETAIL 32/S-301 TO ACCOMMODATE AS HOLD-DOWN EMBED DEPTHS

**MONO COUNTY ADU  
PROTOTYPES**  
MONO COUNTY

**FOUNDATION PLAN - HIGH  
DESERT - SLAB ON GRADE**

NO.	REVISION	DATE

**CONSTRUCTION DOCUMENTS**

PROJECT MANAGER  
J. MEADOWS

DRAWN BY  
A. LOPEZ

CHECKED BY  
M. DOREMUS

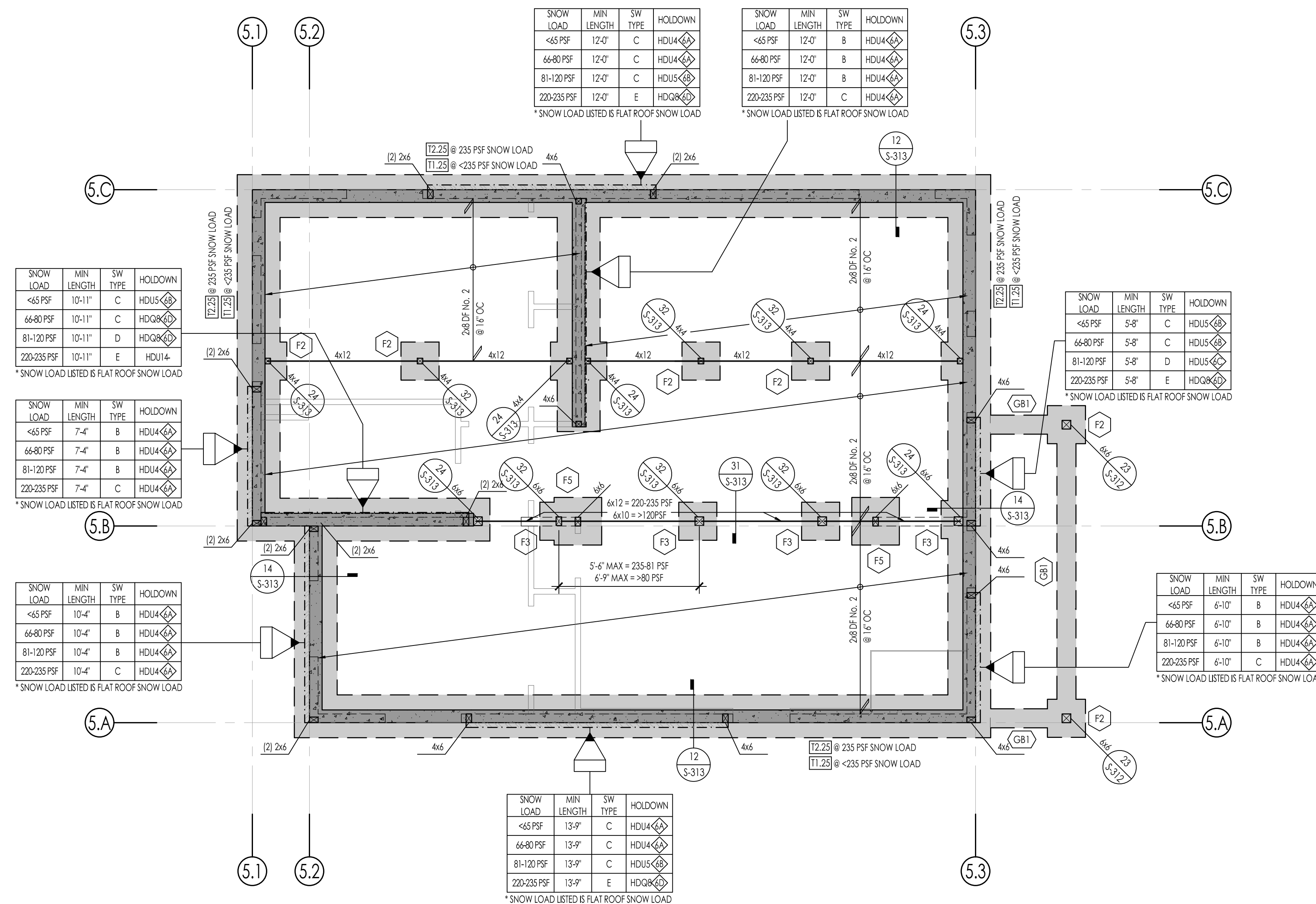
DATE  
AUGUST 18, 2022

PROJECT NUMBER  
2340-01-CU21

SHEET  
**S5-201A.1**

CONSULTANT

AGENCY



**1** FOUNDATION PLAN - HIGH DESERT RAISED FLOOR OPTION  
SCALE: 1/4" = 1'-0"

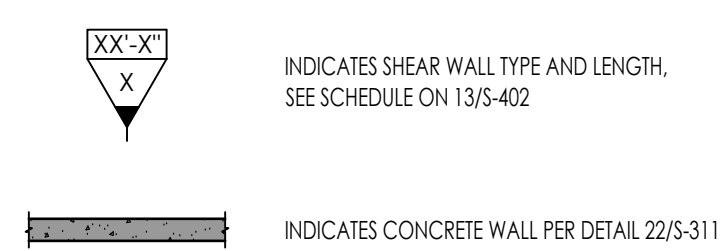


**FOUNDATION PLAN NOTES**

- REFER TO THE FOLLOWING SHEETS FOR TYPICAL DETAILS:
 

DESCRIPTION	SHEET (S)
SYMBOLS AND ABBREVIATIONS	S-101
STRUCTURAL GENERAL NOTES	S-102 - S-103
TESTING AND INSPECTION	S-103
TYPICAL CONCRETE DETAILS	S-301
TYPICAL WOOD DETAILS	S-401 - S-404
- SEE ARCHITECTURAL DRAWINGS FOR FINISHED FLOOR ELEVATIONS. REFERENCE FINISHED FLOOR ELEVATION = 0'-0" CORRESPONDS TO FINISHED FLOOR ELEVATION.
- ALL DIMENSIONS SHOWN ARE FROM FACE OF CONCRETE/MASONRY, FACE OF SHEATHING, OR CENTERLINE OF COLUMN. ALL COLUMNS ARE CENTERED IN STUD WALLS, UNO.
- FOR ANY DIMENSIONAL INFORMATION NOT SHOWN, SEE ARCHITECTURAL DRAWINGS.
- SEE ARCHITECTURAL DRAWINGS FOR ANY EMBEDDED ITEMS AND ALL EXTERIOR CONCRETE PAVE
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- FOR TYPICAL SLAB-ON-GRADE REQUIREMENTS, INCLUDING SLAB JOINTS, SEE DETAIL 31/S-301.
- ALL POSTS IN 4" WALLS SHALL BE 4x4, UNLESS NOTED OTHERWISE  
ALL POSTS IN 6" WALLS SHALL BE 6x6, UNLESS NOTED OTHERWISE
- PLATE WASHERS ARE REQUIRED FOR ALL SILL PLATE ANCHOR BOLTS. REFER TO 34/S-402 FOR PLATE WASHER REQUIREMENTS AT SHEAR WALLS.
- ALL HOLD-DOWN ANCHOR NUTS SHALL BE TIGHTENED JUST PRIOR TO COVERING.
- ALL BOLT HOLES IN WOOD MEMBERS, SHALL BE DRILLED A MAXIMUM OF 1/16" OVERSIZED. INSPECTOR TO VERIFY.
- THE BUILDING PAD SHALL BE PREPARED AS OUTLINED IN DETAIL S3/S-301. THE BUILDING OFFICIAL SHALL REQUIRE PAD CERTIFICATION BY A GEOTECHNICAL ENGINEER AT THEIR DISCRETION.
- BOTTOM OF FOOTING SHALL BE, UNLESS DEEPER FOUNDATIONS ARE REQUIRED BY THE BUILDING OFFICIAL:
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  - 18" BELOW PAD OR ADJACENT GRADE AT INTERIOR GRADE BEAMS, WHICHEVER IS DEEPER, UNO.
 NOTE: FOOTING MUST BE DEEPENED LOCALLY PER DETAIL 32/S-301 TO ACCOMMODATE ANCHOR BOLT HOLD-DOWN EMBED DEPTHS, OR FROST DEPTHS AS INDICATED BY THE BUILDING OFFICIAL.
- DIAPHRAGM TYPE:  
ALL FLOOR DIAPHRAGMS SHALL BE TYPE D, UNO  
REFER TO 12/S-403
- OWNER MAY SELECT EITHER SLAB ON GRADE FOUNDATION OR THE RAISED FLOOR FOUNDATION, TO SUIT THE SPECIFIC SITE.
- WHERE RAISED FLOOR FOUNDATION IS SELECTED, OWNER HAS THE OPTION TO USE CRIPPLE STUD WALLS IN LIEU OF THE SPECIFIED CONCRETE STEM WALLS BELOW THE FLOOR FRAMING. CRIPPLE STUDS ARE TO MATCH TYPICAL WALL FRAMING, AND TO BE SHEATHED TO MATCH SHEARWALLS ABOVE. HOLD-DOWNS SPECIFIED SHALL BE INSTALLED ACROSS THE FLOOR FRAMING PER DETAIL 12/S-405 AND THEN INTO THE CONCRETE STEM WALL PER DETAILS 22/S-311 AND 24/S-311.
- REFER TO ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF UNDERFLOOR ACCESS HOLE.
- REFER TO ARCHITECTURAL DRAWINGS FOR UNDERFLOOR HEIGHT ALLOWANCE.
- ALL SNOW LOADS LISTED ARE THE FLAT ROOF SNOW LOAD. TO FIND THE FLAT ROOF SNOW LOAD, FOLLOW THIS EQUATION: FLAT ROOF SNOW = 0.77 x GROUND SNOW LOAD.
- LOCATION OF CRAWL SPACE ACCESS IS SPECIFIC TO SITE. REFER TO DETAIL 33/S-313 FOR OPENING AT CONC WALL FOOTING.

**SYMBOL LEGEND**



**SCHEDULES**

HOLD-DOWN SCHEDULE			
SPECIFIES HOLD-DOWN/STRAP DETAIL	INDICATES HOLD-DOWN/STRAP TYPE	DETAIL	
4x	INDICATES SIMPSON SSTB HOLD-DOWN TO: CONC FOUNDATION: CONC STEM WALL:	12/S-311	22/S-311
12	INDICATES SIMPSON SB HOLD-DOWN TO: CONC FOUNDATION: CONC STEM WALL:	14/S-311	24/S-311

CONTINUOUS FOOTING SCHEDULE					
MARK	WIDTH	MIN EMBED BELOW LOWEST PAD GRADE	LONG REIN	TRANS REIN	DETAIL
C1.23	1'-3"	SEE NOTE 16	(2) #5 T&B	#3 @ 12" OC, BOT	31/S-311
C2	2'-0"	SEE NOTE 16	(3) #5 T&B	#3 @ 12" OC, BOT	31/S-311

GRADE BEAM SCHEDULE						
TYPE	WIDTH	THICKNESS	MIN EMBED BELOW LOWEST PAD GRADE	LONG REIN	TRANS REIN	DETAIL
GB1	1'-0"	1'-0"	SEE NOTE 16	(2) #4 @ TOP (2) #4 @ BOT	#3 @ 24" OC	13/S-312

I-FOOTING SCHEDULE						
TYPE	WIDTH	THICKNESS	MIN EMBED BELOW LOWEST PAD GRADE	LONG REIN	TRANS REIN	DETAIL
I1.23	1'-3"	1'-0"	SEE NOTE 16	(2) #4 @ TOP (2) #4 @ BOT	#3 @ 24" OC	13/S-312
I2	2'-0"	1'-0"	SEE NOTE 16	(3) #4 @ TOP (3) #4 @ BOT	#3 @ 24" OC	13/S-312

PAD FOOTING SCHEDULE							
TYPE	WIDTH	LENGTH	THICKNESS	MIN EMBED BELOW LOWEST PAD GRADE	TOP REIN	BOT REIN	DETAIL
F2	2'-0"	2'-0"	1'-6"	SEE NOTE 16	(3) #5 EW	(3) #5, EW	11/S-312
F3	3'-0"	3'-0"	1'-6"	SEE NOTE 16	(4) #5, EW	(4) #5, EW	11/S-312
F5	5'-0"	5'-0"	1'-6"	SEE NOTE 16	(6) #5, EW	(6) #5, EW	11/S-312

NOTE: FOOTING MUST BE DEEPENED LOCALLY PER DETAIL 32/S-301 TO ACCOMMODATE AS HOLD-DOWN EMBED DEPTHS

CONSTRUCTION DOCUMENTS

**MONO COUNTY ADU  
PROTOTYPES**  
MONO COUNTY  
FOUNDATION PLAN -  
HIGH DESERT - RAISED  
FLOOR

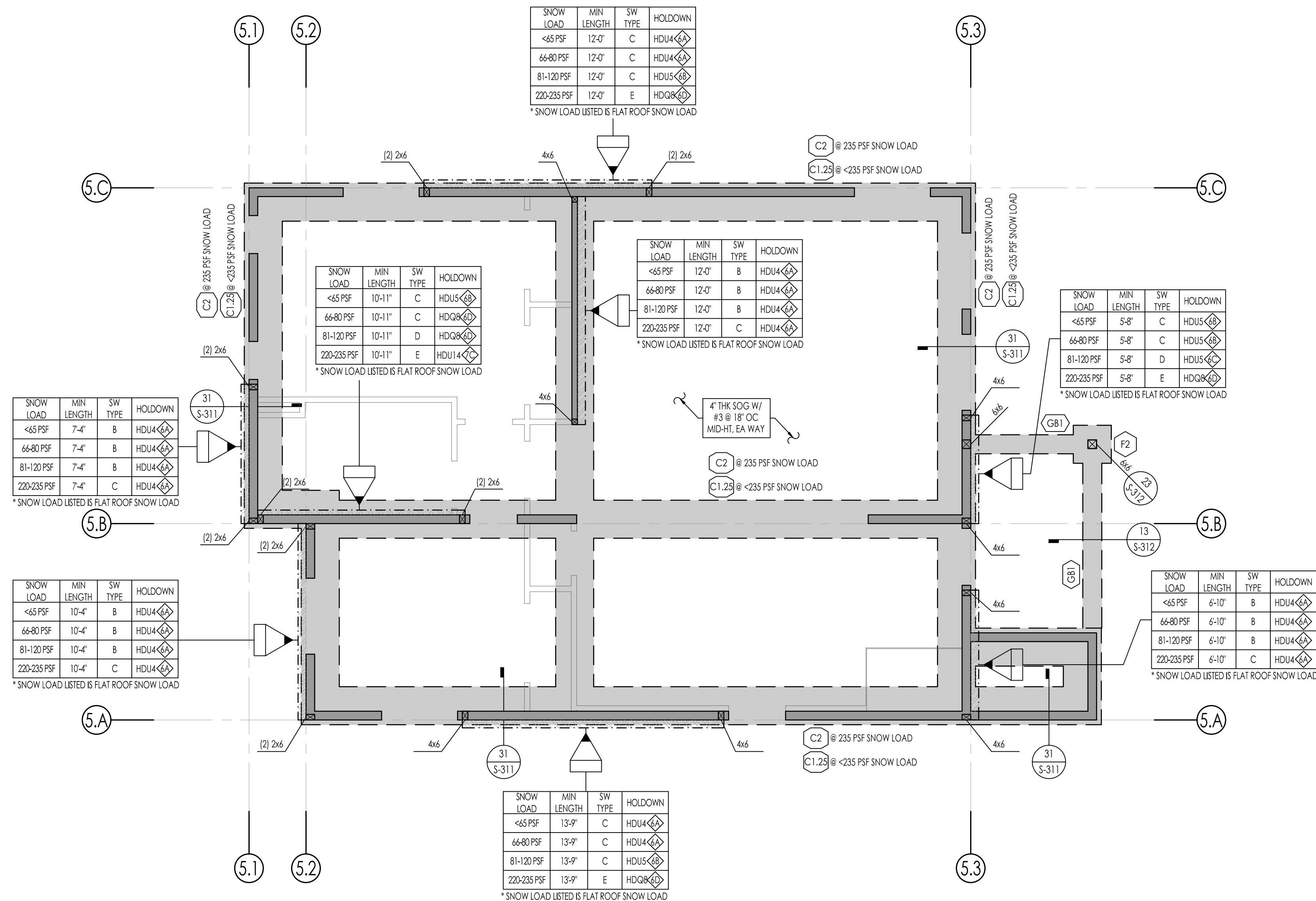
NO.	REVISION	DATE

**PROJECT MANAGER**  
J. MEADOWS  
**DRAWN BY**  
A. LOPEZ  
**CHECKED BY**  
M. DOREMUS  
**DATE**  
AUGUST 18, 2022  
**PROJECT NUMBER**  
2340-01-CU21  
**SHEET**

**S5-201A.2**

CONSULTANT

AGENCY



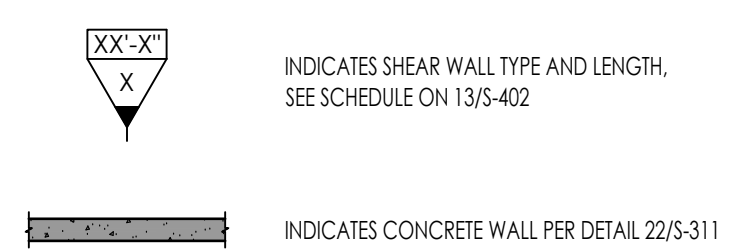
**1** FOUNDATION PLAN - RURAL MOUNTAIN SLAB ON GRADE OPTION  
SCALE: 1/4" = 1'-0"

**FOUNDATION PLAN NOTES**

- REFER TO THE FOLLOWING SHEETS FOR TYPICAL DETAILS:
 

DESCRIPTION	SHEET (S)
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- DIAPHRAGM TYPE:  
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REFER TO 12/S-403
- OWNER MAY SELECT EITHER SLAB ON GRADE FOUNDATION OR THE RAISED FLOOR FOUNDATION, TO SUIT THE SPECIFIC SITE.
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- LOCATION OF CRAWL SPACE ACCESS IS SPECIFIC TO SITE. REFER TO DETAIL 33/S-313 FOR OPENING AT CONC WALL FOOTING.

**SYMBOL LEGEND**



**SCHEDULES**

HOLD-DOWN SCHEDULE		CONTINUOUS FOOTING SCHEDULE				GRADE BEAM SCHEDULE								
SPECIFIES HOLD-DOWN/STRAP DETAIL	INDICATES HOLD-DOWN/STRAP TYPE	MARK	WIDTH	MIN EMBED BELOW LOWEST PAD GRADE	LONG REIN	TRANS REIN	DETAIL	TYPE	WIDTH	THICKNESS	MIN EMBED BELOW LOWEST PAD GRADE	LONG REIN	TRANS REIN	DETAIL
4x4	INDICATES SIMPSON SSB HOLD-DOWN TO: CONC FOUNDATION: CONC STEM WALL:	C1.23	1'-3"	SEE NOTE 16	(2) #5 T&B	#3 @ 12" OC, BOT	31/S-311	GB1	1'-0"	1'-0"	SEE NOTE 16	(2) #4 @ TOP (2) #4 @ BOT	#3 @ 24" OC	13/S-312
4x6	INDICATES SIMPSON SB HOLD-DOWN TO: CONC FOUNDATION: CONC STEM WALL:	C2	2'-0"	SEE NOTE 16	(3) #5 T&B	#3 @ 12" OC, BOT	31/S-311							
T-FOOTING SCHEDULE		PAD FOOTING SCHEDULE												
TYPE	WIDTH	THICKNESS	MIN EMBED BELOW LOWEST PAD GRADE	LONG REIN	TRANS REIN	DETAIL	TYPE	WIDTH	LENGTH	THICKNESS	MIN EMBED BELOW LOWEST PAD GRADE	TOP REIN	BOT REIN	DETAIL
T1.23	1'-3"	1'-0"	SEE NOTE 16	(2) #4 @ TOP (2) #4 @ BOT	#3 @ 24" OC	13/S-312	F2	2'-0"	2'-0"	1'-6"	SEE NOTE 16	(3) #5 EW	(3) #5, EW	11/S-312
T2	2'-0"	1'-0"	SEE NOTE 16	(3) #4 @ TOP (3) #4 @ BOT	#3 @ 24" OC	13/S-312	F3	3'-0"	3'-0"	1'-6"	SEE NOTE 16	(4) #5, EW	(4) #5, EW	11/S-312
							F5	5'-0"	5'-0"	1'-6"	SEE NOTE 16	(6) #5, EW	(6) #5, EW	11/S-312

NOTE: FOOTING MUST BE DEEPENED LOCALLY PER DETAIL 32/S-301 TO ACCOMMODATE AS HOLD-DOWN EMBED DEPTHS

**MONO COUNTY ADU  
PROTOTYPES**  
MONO COUNTY  
FOUNDATION PLAN - RURAL  
MOUNTAIN - SLAB ON  
GRADE

NO.	REVISION	DATE

**CONSTRUCTION DOCUMENTS**

PROJECT MANAGER  
J. MEADOWS

DRAWN BY  
A. LOPEZ

CHECKED BY  
M. DOREMUS

DATE  
AUGUST 18, 2022

PROJECT NUMBER  
2340-01-CU21

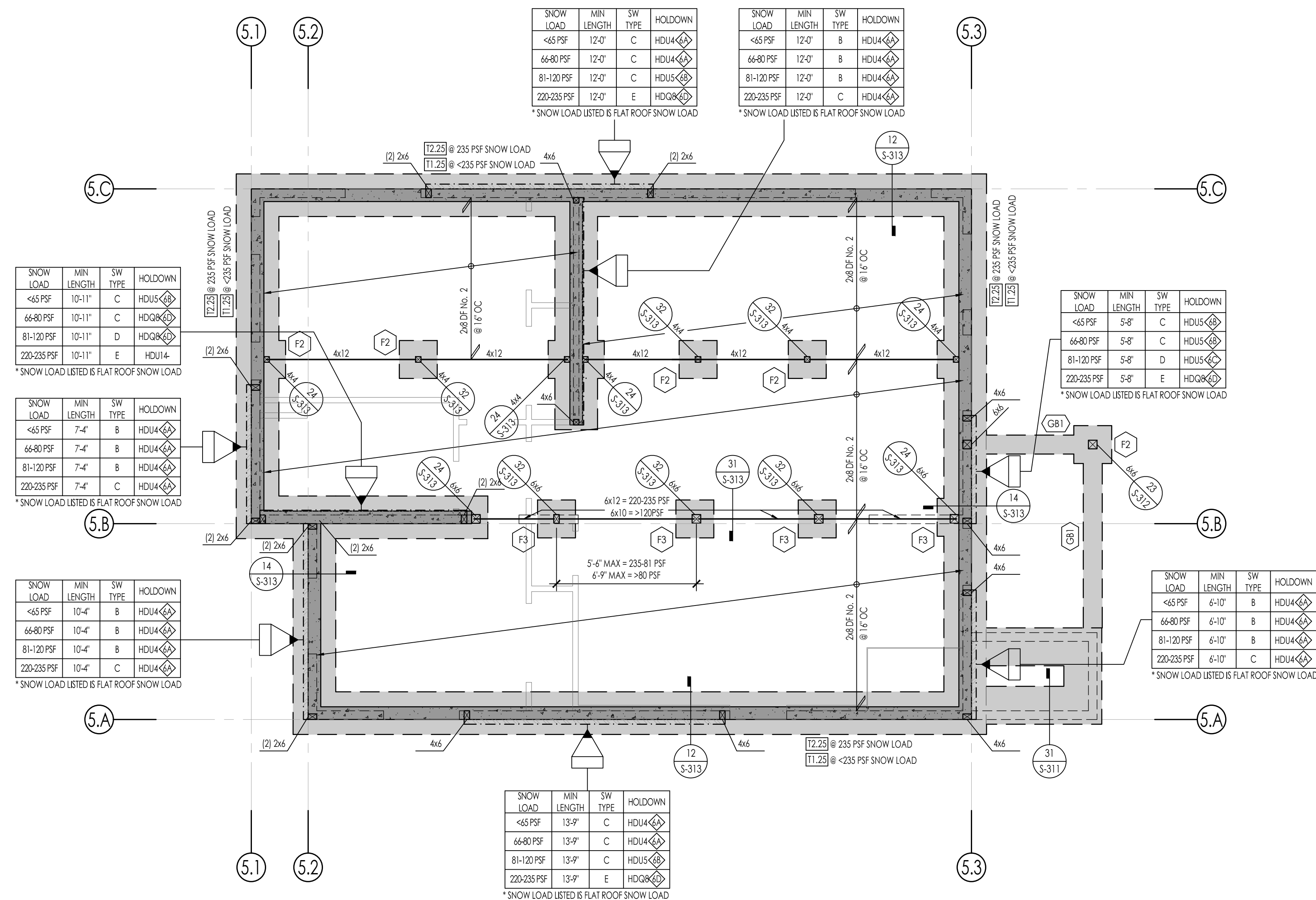
SHEET  
**S5-201B.1**

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CONSULTANT

AGENCY



**1** FOUNDATION PLAN - RURAL MOUNTAIN RAISED FLOOR OPTION  
SCALE: 1/4" = 1'-0"

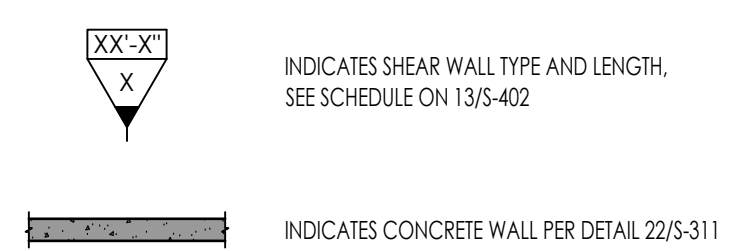


**FOUNDATION PLAN NOTES**

- REFER TO THE FOLLOWING SHEETS FOR TYPICAL DETAILS:
 

DESCRIPTION	SHEET (S)
SYMBOLS AND ABBREVIATIONS	S-101
STRUCTURAL GENERAL NOTES	S-102 - S-103
TESTING AND INSPECTION	S-103
TYPICAL CONCRETE DETAILS	S-301
TYPICAL WOOD DETAILS	S-401 - S-404
- SEE ARCHITECTURAL DRAWINGS FOR FINISHED FLOOR ELEVATIONS. REFERENCE FINISHED FLOOR ELEVATION = 0'-0" CORRESPONDS TO FINISHED FLOOR ELEVATION.
- ALL DIMENSIONS SHOWN ARE FROM FACE OF CONCRETE/MASONRY, FACE OF SHEATHING, OR CENTERLINE OF COLUMN. ALL COLUMNS ARE CENTERED IN STUD WALLS, UNO.
- FOR ANY DIMENSIONAL INFORMATION NOT SHOWN, SEE ARCHITECTURAL DRAWINGS.
- SEE ARCHITECTURAL DRAWINGS FOR ANY EMBEDDED ITEMS AND ALL EXTERIOR CONCRETE PAVE
- SEE PLANS AND ARCHITECTURAL DRAWINGS FOR DEPRESSIONS AND/OR SLOPES IN CONCRETE SLABS.
- SEE ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF ALL DOOR AND WINDOW OPENINGS IN BEARING AND NON-BEARING WALLS.
- SEE ARCHITECTURAL DRAWINGS FOR LOCATION OF INTERIOR NON-BEARING PARTITIONS.
- SEE ARCHITECTURAL, PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL EMBEDDED ITEMS AND SLAB PENETRATIONS.
- FOR TYPICAL SLAB-ON-GRADE REQUIREMENTS, INCLUDING SLAB JOINTS, SEE DETAIL 31/S-301.
- ALL POSTS IN 4" WALLS SHALL BE 4x4, UNLESS NOTED OTHERWISE  
ALL POSTS IN 6" WALLS SHALL BE 6x6, UNLESS NOTED OTHERWISE
- PLATE WASHERS ARE REQUIRED FOR ALL SILL PLATE ANCHOR BOLTS. REFER TO 34/S-402 FOR PLATE WASHER REQUIREMENTS AT SHEAR WALLS.
- ALL HOLD-DOWN ANCHOR NUTS SHALL BE TIGHTENED JUST PRIOR TO COVERING.
- ALL BOLT HOLES IN WOOD MEMBERS, SHALL BE DRILLED A MAXIMUM OF 1/16" OVERSIZED. INSPECTOR TO VERIFY.
- THE BUILDING PAD SHALL BE PREPARED AS OUTLINED IN DETAIL S3/S-301. THE BUILDING OFFICIAL SHALL REQUIRE PAD CERTIFICATION BY A GEOTECHNICAL ENGINEER AT THEIR DISCRETION.
- BOTTOM OF FOOTING SHALL BE, UNLESS DEEPER FOUNDATIONS ARE REQUIRED BY THE BUILDING OFFICIAL:
  - 18" BELOW PAD OR ADJACENT GRADE AT PERIMETER, WHICHEVER IS DEEPER, UNO.
  - 18" BELOW PAD OR ADJACENT GRADE AT INTERIOR GRADE BEAMS, WHICHEVER IS DEEPER, UNO.
 NOTE: FOOTING MUST BE DEEPENED LOCALLY PER DETAIL 32/S-301 TO ACCOMMODATE ANCHOR BOLT HOLD-DOWN EMBED DEPTHS, OR FROST DEPTHS AS INDICATED BY THE BUILDING OFFICIAL.
- DIAPHRAGM TYPE:  
ALL FLOOR DIAPHRAGMS SHALL BE TYPE D, UNO  
REFER TO 12/S-403
- OWNER MAY SELECT EITHER SLAB ON GRADE FOUNDATION OR THE RAISED FLOOR FOUNDATION, TO SUIT THE SPECIFIC SITE.
- WHERE RAISED FLOOR FOUNDATION IS SELECTED, OWNER HAS THE OPTION TO USE CRIPPLE STUD WALLS IN LIEU OF THE SPECIFIED CONCRETE STEM WALLS BELOW THE FLOOR FRAMING. CRIPPLE STUDS ARE TO MATCH TYPICAL WALL FRAMING, AND TO BE SHEATHED TO MATCH SHEARWALLS ABOVE. HOLD-DOWNS SPECIFIED SHALL BE INSTALLED ACROSS THE FLOOR FRAMING PER DETAIL 12/S-405 AND THEN INTO THE CONCRETE STEM WALL PER DETAILS 22/S-311 AND 24/S-311.
- REFER TO ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF UNDERFLOOR ACCESS HOLE.
- REFER TO ARCHITECTURAL DRAWINGS FOR UNDERFLOOR HEIGHT ALLOWANCE.
- ALL SNOW LOADS LISTED ARE THE FLAT ROOF SNOW LOAD. TO FIND THE FLAT ROOF SNOW LOAD, FOLLOW THIS EQUATION: FLAT ROOF SNOW = 0.77 x GROUND SNOW LOAD.
- LOCATION OF CRAWL SPACE ACCESS IS SPECIFIC TO SITE. REFER TO DETAIL 33/S-313 FOR OPENING AT CONC WALL FOOTING.

**SYMBOL LEGEND**



**SCHEDULES**

HOLD-DOWN SCHEDULE			
SPECIFIES HOLD-DOWN/STRAP DETAIL	INDICATES HOLD-DOWN/STRAP TYPE	DETAIL	
4x4	INDICATES SIMPSON SSTB HOLD-DOWN TO: CONC FOUNDATION: CONC STEM WALL:	12/S-311 22/S-311	
1/2"	INDICATES SIMPSON SB HOLD-DOWN TO: CONC FOUNDATION: CONC STEM WALL:	14/S-311 24/S-311	

CONTINUOUS FOOTING SCHEDULE					
MARK	WIDTH	MIN EMBED BELOW LOWEST PAD GRADE	LONG REIN	TRANS REIN	DETAIL
C1.23	1'-3"	SEE NOTE 16	(2) #5 T&B	#3 @ 12" OC, BOT	31/S-311
C2	2'-0"	SEE NOTE 16	(3) #5 T&B	#3 @ 12" OC, BOT	31/S-311

T-FOOTING SCHEDULE						
TYPE	WIDTH	THICKNESS	MIN EMBED BELOW LOWEST PAD GRADE	LONG REIN	TRANS REIN	DETAIL
T1.23	1'-3"	1'-0"	SEE NOTE 16	(2) #4 @ TOP (2) #4 @ BOT	#3 @ 24" OC	13/S-312
T2	2'-0"	1'-0"	SEE NOTE 16	(3) #4 @ TOP (3) #4 @ BOT	#3 @ 24" OC	13/S-312

GRADE BEAM SCHEDULE						
TYPE	WIDTH	THICKNESS	MIN EMBED BELOW LOWEST PAD GRADE	LONG REIN	TRANS REIN	DETAIL
GB1	1'-0"	1'-0"	SEE NOTE 16	(2) #4 @ TOP (2) #4 @ BOT	#3 @ 24" OC	13/S-312

PAD FOOTING SCHEDULE							
TYPE	WIDTH	LENGTH	THICKNESS	MIN EMBED BELOW LOWEST PAD GRADE	TOP REIN	BOT REIN	DETAIL
F2	2'-0"	2'-0"	1'-6"	SEE NOTE 16	(3) #5 EW	(3) #5, EW	11/S-312
F3	3'-0"	3'-0"	1'-6"	SEE NOTE 16	(4) #5, EW	(4) #5, EW	11/S-312
F5	5'-0"	5'-0"	1'-6"	SEE NOTE 16	(6) #5, EW	(6) #5, EW	11/S-312

NOTE: FOOTING MUST BE DEEPENED LOCALLY PER DETAIL 32/S-301 TO ACCOMMODATE AS HOLD-DOWN EMBED DEPTHS

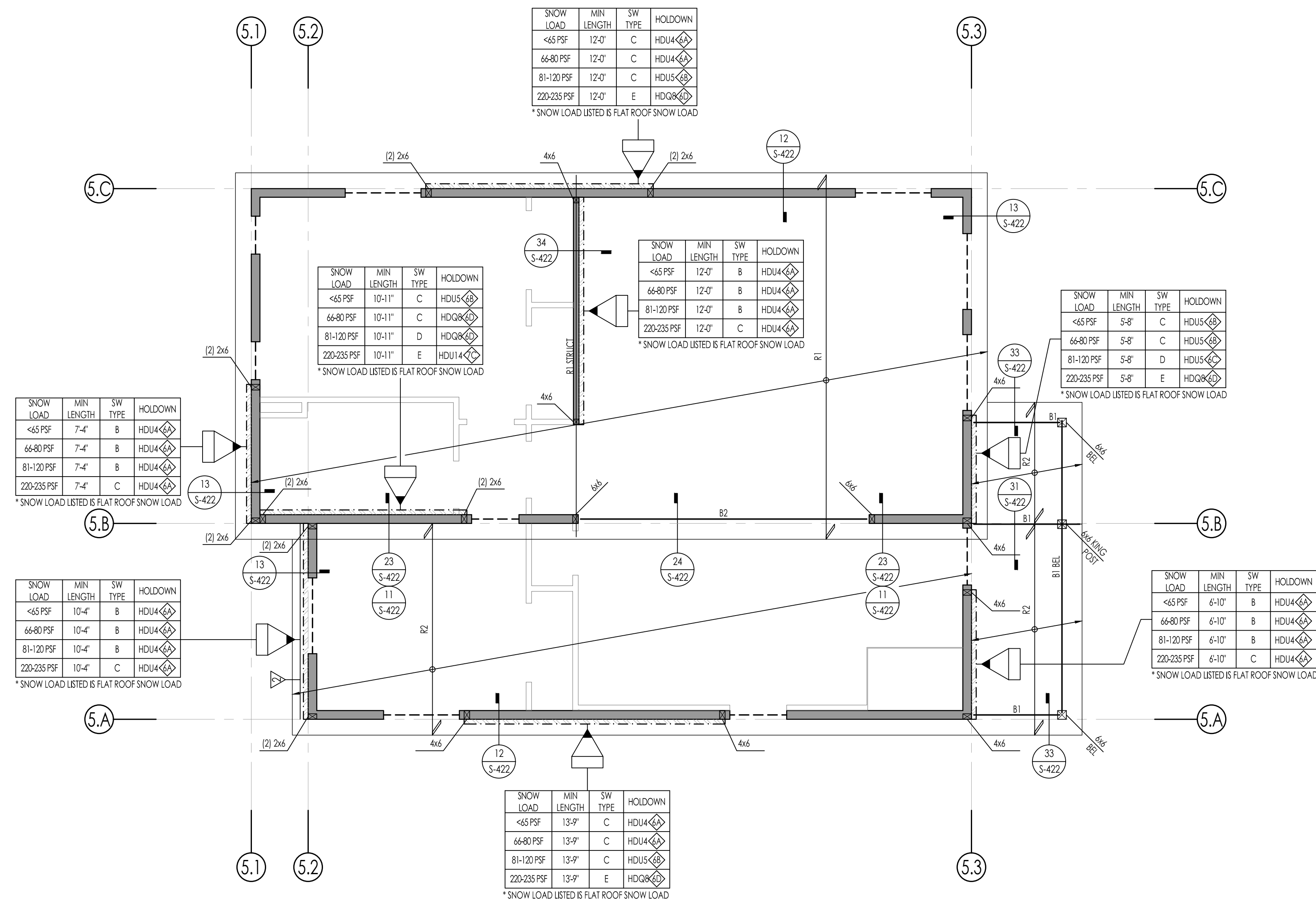
**MONO COUNTY ADU  
PROTOTYPES**  
MONO COUNTY  
FOUNDATION PLAN -  
RURAL MOUNTAIN -  
RAISED FLOOR

CONSTRUCTION DOCUMENTS

NO.	REVISION	DATE

PROJECT MANAGER  
J. MEADOWS  
DRAWN BY  
A. LOPEZ  
CHECKED BY  
M. DOREMUS  
DATE  
AUGUST 18, 2022  
PROJECT NUMBER  
2340-01-CU21  
SHEET

**S5-201B.2**



**1 ROOF PLAN - HIGH DESERT**  
SCALE: 1/4" = 1'-0"

**ROOF FRAMING PLAN NOTES**

- SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS AND ELEVATIONS INCLUDING, BUT NOT LIMITED TO THE FOLLOWING. ALL DIMENSIONS TO BE VERIFIED PRIOR TO CONSTRUCTION:
  - GRID DIMENSIONS AND HORIZONTAL CONTROL
  - ALL DIMENSIONS, ELEVATIONS, FINISH SURFACE, SLOPES, DRAINS, SLAB DEPRESSIONS, ETC
  - LOCATION AND EXTENT OF EXTERIOR WALL ASSEMBLIES AND OPENINGS
  - ALL NON STRUCTURAL WALLS
- REFER TO THE FOLLOWING SHEETS FOR TYPICAL DETAILS:
 

DESCRIPTION	SHEET (S)
SYMBOLS AND ABBREVIATIONS	S-101
STRUCTURAL GENERAL NOTES	S-102 - S-103
TESTING AND INSPECTION	S-103
TYPICAL CONCRETE DETAILS	S-301
TYPICAL WOOD DETAILS	S-401 - S-405
- SEE ARCHITECTURAL DRAWINGS FOR ALL TOP OF SHEATHING AND TOP OF WALL ELEVATIONS.
- SEE ARCHITECTURAL PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR SIZE AND LOCATION OF PIPES, DUCTS AND OTHER ROOF PENETRATIONS. FOR ROOF PENETRATIONS NOT SHOWN ON ROOF FRAMING PLAN, SEE DETAIL 23/S-403 FOR TYPICAL OPENINGS, UNO.
- ALL POSTS IN 4" WALLS SHALL BE 4x4, UNLESS NOTED OTHERWISE. ALL POSTS IN 6" WALLS SHALL BE 6x6, UNLESS NOTED OTHERWISE.
 

TYPICAL WALL FRAMING SHALL BE:  
2x6 @ 16" OC @ ALL EXTERIOR WALLS, UNO  
2x6 @ 16" OC @ ALL INTERIOR BEARING WALLS, UNO  
2x4 @ 16" @ ALL INTERIOR NON-BEARING WALLS, UNO
- ALL INTERIOR WALLS NOT SHOWN ON THE STRUCTURAL FRAMING PLANS BUT SHOWN ON THE ARCHITECTURAL DRAWINGS SHALL BE CONSTRUCTED PER NON-BEARING PARTITION WALL DETAIL 43/S-401, UNO.
- DIAPHRAGM TYPES:
  - < 65 PSF SNOW LOAD, ROOF DIAPHRAGM, TYPE A
  - 66-80 PSF SNOW LOAD, ROOF DIAPHRAGM, TYPE A
  - 81-120 PSF SNOW LOAD, ROOF DIAPHRAGM, TYPE B
  - 220-235 PSF SNOW LOAD, ROOF DIAPHRAGM, TYPE C
 REFER TO 12/-403
- ALL LINES AND/OR MEMBERS INDICATED AS 'STRUT' SHALL RECEIVE (2) ROWS OF BOUNDARY NAILING (BN), STGR.
- TRUSS MEMBERS AND COMPONENTS SHALL NOT BE CUT, NOTCHED, DRILLED OR OTHERWISE ALTERED IN ANY WAY WITHOUT WRITTEN CONCURRENCE AND APPROVAL OF A REGISTERED DESIGN PROFESSIONAL.
- ALTERATIONS RESULTING IN THE ADDITION OF LOADS TO ANY MEMBER (E.G. HVAC EQUIPMENT, WATER HEATER) SHALL NOT BE PERMITTED WITHOUT VERIFICATION THAT THE TRUSS IS CAPABLE OF SUPPORTING SUCH ADDITIONAL LOADING.
- TRUSSES ARE TO BE DESIGNED FOR THE PROPER SITE SPECIFIC SNOW LOAD. TRUSS DRAWINGS SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO FABRICATION. FOR OTHER TRUSSES DESIGN CRITERIA REFER TO SHEET S-103 PREFABRICATED WOOD TRUSSES 1.B.d.
- TRUSSES SHALL INCLUDE PROPER ICE DAMM LOADING AT EAVES, SLIDING SNOW AND SNOW DRIFTS PER ASCE 7-16 WHERE APPLICABLE BASED ON THE ROOF CONFIGURATION.
- WHERE THE OWNER WOULD LIKE TO SUBSTITUTE TRUSSES IN PLACE OF SPECIFIED RAFTERS THAT IS STRUCTURALLY ACCEPTABLE, THESE TRUSSES SHALL BE INCLUDED IN THE SUBMITTAL TO THE BUILDING DEPARTMENT.
- ALL LUMBER EXPOSED TO THE ELEMENTS SHALL BE SELECT STRUCTURAL GRADE.
- SHEARWALL CONSTRUCTION, HOLDOWNS, RAFTERS AND HEADERS SHALL BE SELECTED FROM THE TABLES BASED ON THE SNOW LOADING FOR THE SPECIFIC SITE.
- SHEARWALL LENGTHS LISTED IN THE TABLES ABOVE ARE CONSIDERED THE MINIMUMS. THE SHEARWALL CAN BE PLACED ANYWHERE ALONG THE BUILDING LINE AS LONG AS IT IS NOT INTERRUPTED BY A DOORWAY OR WINDOW.
- ALL SNOW LOADS LISTED ARE THE FLAT ROOF SNOW LOAD. TO FIND THE FLAT ROOF SNOW LOAD, FOLLOW THIS EQUATION: FLAT ROOF SNOW = 0.77 x GROUND SNOW LOAD.

**SYMBOL LEGEND**

- INDICATES SHEAR WALL TYPE AND LENGTH. SEE SCHEDULE ON 13/S-402
- INDICATES BLOCKING & STRAPPING ABOVE & BELOW WINDOW OPENINGS PER DETAIL 44/S-402
- INDICATES HEADER @ OPENING. REFER TO 32/S-401 FOR HEADER SIZE, UNO ON PLANS
- INDICATES TOP PLATE SPICE NAILING PER 33/S-403 NOTE THAT NAILING APPLIES TO ENTIRE LENGTH OF TOP PLATE. PROVIDE TYPE (C) SPLICE, UNO
- INDICATES CONT BLK & STRAP PER 24/S-405 @ ROOF, UNO
- INDICATES STRAP PER 34/S-405, UNO
- DSC# INDICATES DRAG TRUSS CONNECTOR PER 31/S-405, UNO

**SCHEDULES**

HOLDOWN SCHEDULE		
SPECIFIES HOLDOWN/STRAP DETAIL	INDICATES HOLDOWN/STRAP TYPE	DETAIL
6x	INDICATES SIMPSON SSTB HOLDDOWN TO: CONC FOUNDATION: CONC STEM WALL:	12/S-311 22/S-311
7x	INDICATES SIMPSON SB HOLDDOWN TO: CONC FOUNDATION: CONC STEM WALL:	14/S-311 24/S-311

ROOF RAFTER SCHEDULE			
MARK	SNOW LOAD	SIZE	REMARKS
R1	<65 PSF	(2) 2x12 @ 16" OC	
	66-80 PSF	(2) 2x12 @ 12" OC	
	81-120 PSF	(2) 2x14 @ 12" OC	
	220-235 PSF	(2) 1 3/4" x 14" LVL @ 16" OC	
R2	<65 PSF	2x10 @ 16" OC	
	66-80 PSF	2x10 @ 16" OC	
	81-120 PSF	2x12 @ 16" OC	
	220-235 PSF	(2) 2x12 @ 16" OC	

BEAM SCHEDULE			
MARK	SNOW LOAD	SIZE	REMARKS
B1	<120 PSF	6x10	
	121-235 PSF	6x14	
B2	<80 PSF	5.5x16 GLB	
	81-120 PSF	5.5x19.5 GLB	
	121-235 PSF	5.5x25.5 GLB	

CONSULTANT

AGENCY

**MONO COUNTY ADU  
PROTOTYPES**  
MONO COUNTY

**ROOF PLAN - HIGH DESERT**

NO.	REVISION	DATE

**PROJECT MANAGER**  
J. MEADOWS

**DRAWN BY**  
A. LOPEZ

**CHECKED BY**  
M. DOREMUS

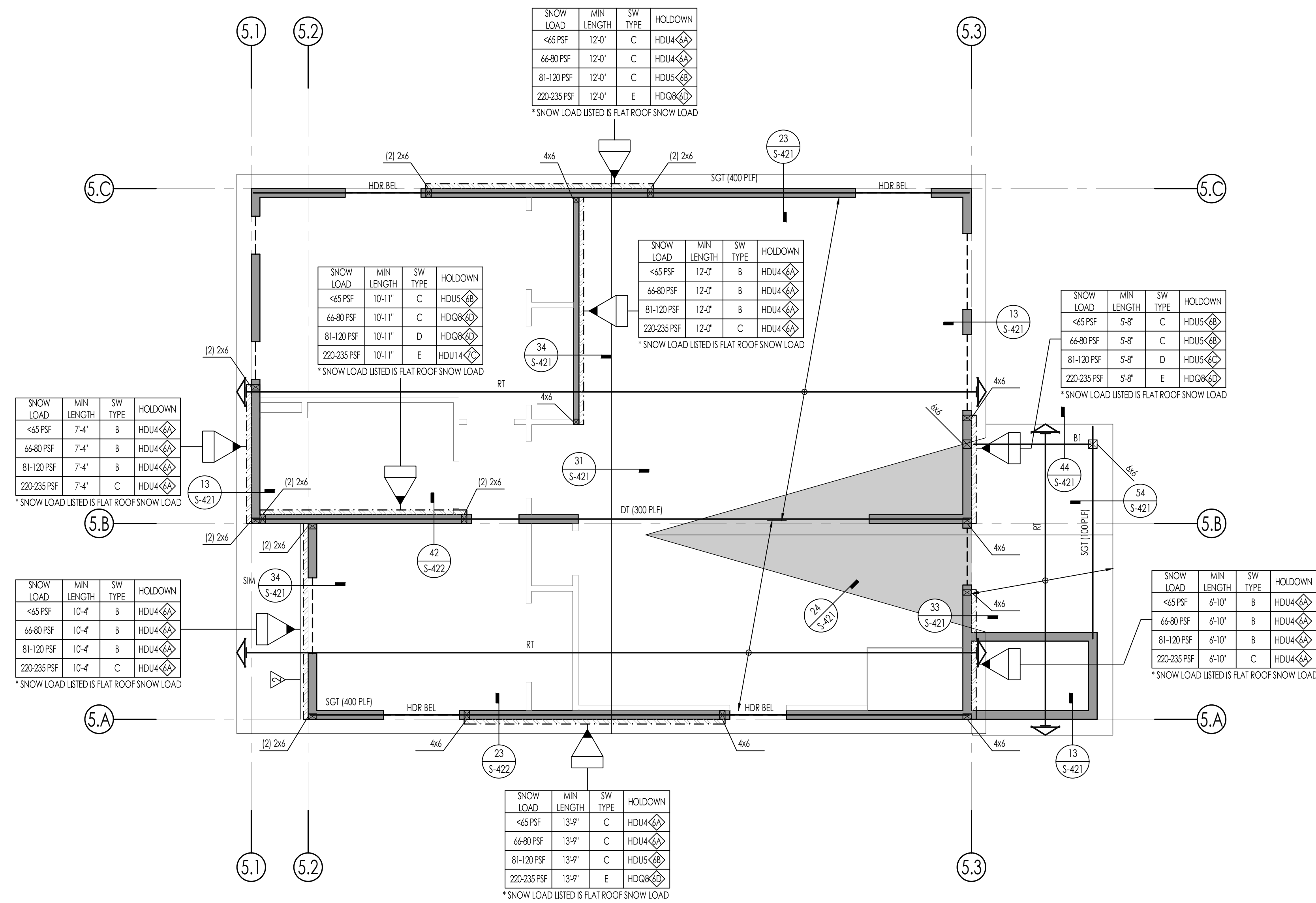
**DATE**  
AUGUST 18, 2022

**PROJECT NUMBER**  
2340-01-CU21

**SHEET**

**S5-202A**

CONSTRUCTION DOCUMENTS



**1** ROOF FRAMING PLAN - RURAL MOUNTAIN  
SCALE: 1/4" = 1'-0"

ROOF FRAMING PLAN NOTES													
1. SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS AND ELEVATIONS INCLUDING, BUT NOT LIMITED TO THE FOLLOWING. ALL DIMENSIONS TO BE VERIFIED PRIOR TO CONSTRUCTION: A. GRID DIMENSIONS AND HORIZONTAL CONTROL B. ALL DIMENSIONS, ELEVATIONS, FINISH SURFACE, SLOPES, DRAINS, SLAB DEPRESSIONS, ETC. C. LOCATION AND EXTENT OF EXTERIOR WALL ASSEMBLIES AND OPENINGS D. ALL NON STRUCTURAL WALLS	2. REFER TO THE FOLLOWING SHEETS FOR TYPICAL DETAILS: <table border="1"> <thead> <tr> <th>DESCRIPTION</th> <th>SHEET (S)</th> </tr> </thead> <tbody> <tr> <td>SYMBOLS AND ABBREVIATIONS</td> <td>S-101</td> </tr> <tr> <td>STRUCTURAL GENERAL NOTES</td> <td>S-102 - S-103</td> </tr> <tr> <td>TESTING AND INSPECTION</td> <td>S-103</td> </tr> <tr> <td>TYPICAL CONCRETE DETAILS</td> <td>S-301</td> </tr> <tr> <td>TYPICAL WOOD DETAILS</td> <td>S-401 - S-404</td> </tr> </tbody> </table>	DESCRIPTION	SHEET (S)	SYMBOLS AND ABBREVIATIONS	S-101	STRUCTURAL GENERAL NOTES	S-102 - S-103	TESTING AND INSPECTION	S-103	TYPICAL CONCRETE DETAILS	S-301	TYPICAL WOOD DETAILS	S-401 - S-404
DESCRIPTION	SHEET (S)												
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TYPICAL WOOD DETAILS	S-401 - S-404												
3. SEE ARCHITECTURAL DRAWINGS FOR ALL TOP OF SHEATHING AND TOP OF WALL ELEVATIONS.	4. SEE ARCHITECTURAL PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR SIZE AND LOCATION OF PIPES, DUCTS AND OTHER ROOF PENETRATIONS. FOR ROOF PENETRATIONS NOT SHOWN ON ROOF FRAMING PLAN, SEE DETAIL 23/S-403 FOR TYPICAL OPENINGS, UNO.												
5. ALL POSTS IN 4" WALLS SHALL BE 4x4, UNLESS NOTED OTHERWISE. ALL POSTS IN 6" WALLS SHALL BE 6x6, UNLESS NOTED OTHERWISE.  TYPICAL WALL FRAMING SHALL BE: 2x6 @ 16" OC @ ALL EXTERIOR WALLS, UNO 2x6 @ 16" OC @ ALL INTERIOR BEARING WALLS, UNO 2x4 @ 16" @ ALL INTERIOR NON-BEARING WALLS, UNO	6. ALL INTERIOR WALLS NOT SHOWN ON THE STRUCTURAL FRAMING PLANS BUT SHOWN ON THE ARCHITECTURAL DRAWINGS SHALL BE CONSTRUCTED PER NON-BEARING PARTITION WALL DETAIL 43/S-401, UNO.												
7. DIAPHRAGM TYPES: < 65 PSF SNOW LOAD, ROOF DIAPHRAGM, TYPE A 66-80 PSF SNOW LOAD, ROOF DIAPHRAGM, TYPE A 81-120 PSF SNOW LOAD, ROOF DIAPHRAGM, TYPE B 220-235 PSF SNOW LOAD, ROOF DIAPHRAGM, TYPE C REFER TO 12/403	8. ALL LINES AND/OR MEMBERS INDICATED AS 'STRUT' SHALL RECEIVE (2) ROWS OF BOUNDARY NAILING (BN), STGR. 9. TRUSS MEMBERS AND COMPONENTS SHALL NOT BE CUT, NOTCHED, DRILLED OR OTHERWISE ALTERED IN ANY WAY WITHOUT WRITTEN CONCURRENCE AND APPROVAL OF A REGISTERED DESIGN PROFESSIONAL. 10. ALTERATIONS RESULTING IN THE ADDITION OF LOADS TO ANY MEMBER (E.G. HVAC EQUIPMENT, WATER HEATER) SHALL NOT BE PERMITTED WITHOUT VERIFICATION THAT THE TRUSS IS CAPABLE OF SUPPORTING SUCH ADDITIONAL LOADING. 11. TRUSSES ARE TO BE DESIGNED FOR THE PROPER SITE SPECIFIC SNOW LOAD. TRUSS DRAWINGS SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO FABRICATION. FOR OTHER TRUSS DESIGN CRITERIA REFER TO SHEET S-103 PRE-FABRICATED WOOD TRUSSES 1.B.d. 12. TRUSSES SHALL INCLUDE PROPER ICE DAMM LOADING AT EAVES, SLIDING SNOW AND SNOW DRIFTS PER ASCE 7-16 WHERE APPLICABLE BASED ON THE ROOF CONFIGURATION. 13. WHERE THE OWNER WOULD LIKE TO SUBSTITUTE TRUSSES IN PLACE OF SPECIFIED RAFTERS THAT IS STRUCTURALLY ACCEPTABLE, THESE TRUSSES SHALL BE INCLUDED IN THE SUBMITTAL TO THE BUILDING DEPARTMENT. 14. ALL LUMBER EXPOSED TO THE ELEMENTS SHALL BE SELECT STRUCTURAL GRADE. 15. SHEARWALL CONSTRUCTION, HOLDOWNS, RAFTERS AND HEADERS SHALL BE SELECTED FROM THE TABLES BASED ON THE SNOW LOADING FOR THE SPECIFIC SITE. 16. SHEARWALL LENGTHS LISTED IN THE TABLES ABOVE ARE CONSIDERED THE MINIMUMS. THE SHEARWALL CAN BE PLACED ANYWHERE ALONG THE BUILDING LINE AS LONG AS IT IS NOT INTERRUPTED BY A DOORWAY OR WINDOW. 17. ALL SNOW LOADS LISTED ARE THE FLAT ROOF SNOW LOAD. TO FIND THE FLAT ROOF SNOW LOAD, FOLLOW THIS EQUATION: FLAT ROOF SNOW = 0.77 x GROUND SNOW LOAD.												

SYMBOL LEGEND	
	INDICATES SHEAR WALL TYPE AND LENGTH. SEE SCHEDULE ON 13/S-402
	INDICATES BLOCKING & STRAPPING ABOVE & BELOW WINDOW OPENINGS PER DETAIL 44/S-402
	INDICATES HEADER @ OPENING. REFER TO 32/S-401 FOR HEADER SIZE, UNO ON PLANS
	INDICATES TOP PLATE SPICE NAILING PER 33/S-403 NOTE THAT NAILING APPLIES TO ENTIRE LENGTH OF TOP PLATE. PROVIDE TYPE (C) SPLICE, UNO
	INDICATES COMB BLK & STRAP PER 24/S-405 @ ROOF, UNO
	INDICATES STRAP PER 34/S-405, UNO
	INDICATES DRAG TRUSS CONNECTOR PER 31/S-405, UNO

SCHEDULES		
HOLD-DOWN SCHEDULE		
SPECIFIES HOLD-DOWN/STRAP DETAIL	INDICATES HOLD-DOWN/STRAP TYPE	DETAIL
	INDICATES SIMPSON SSTB HOLD-DOWN TO: CONC FOUNDATION: CONC STEM WALL:	12/S-311 22/S-311
	INDICATES SIMPSON SB HOLD-DOWN TO: CONC FOUNDATION: CONC STEM WALL:	14/S-311 24/S-311

PREFABRICATED ROOF TRUSS		
1. FOR PREFABRICATED ROOF TRUSS NOTES SEE NOTES ON SHEET S-103		
ROOF TRUSS SCHEDULE		
MARK	DESCRIPTION	REMARKS
RT	ROOF TRUSS (COMMON)	24" OC MAX
SGT	STRUCTURAL GABLE TRUSS	
SCT	SCISSOR TRUSS	
MT	MONO PITCH TRUSS	24" OC MAX
JT	JACK TRUSS	24" OC MAX
VJT	VALLEY JACK TRUSS	24" OC MAX
CJT	CORNER JACK TRUSS	
GT	GIRDER TRUSS	
MGT	MONO PITCH GIRDER TRUSS	
DT (#*)	DRAG TRUSS	
CGT	CALIFORNIA GIRDER TRUSS	
HR	HIP RAFTER / JACK RAFTER	
CHT	CALIFORNIA HIP TRUSS	24" OC MAX

(#\*) - EQUALS DRAG FORCE IN LBS. DRAG FORCE @ A FACTORED LEVEL (0.7E) DRAG FORCES CALCULATED IN ACCORDANCE WITH ASCE 7-16 12.10.1.1. IN STRUCTURES ENTIRELY BRACED BY LIGHT FRAME SHEAR WALLS OR PORTIONS THEREOF, DRAG MEMBERS SHALL BE DESIGNED TO RESIST FORCES USING THE LOAD COMBINATIONS OF ASCE 7-16 SECTION 12.4.2.3 IN ALL OTHER STRUCTURES DRAGS SHALL INCLUDE THE EFFECT OF OVER STRENGTH PER ASCE 7-16 12.4.3.2

CONSULTANT

AGENCY

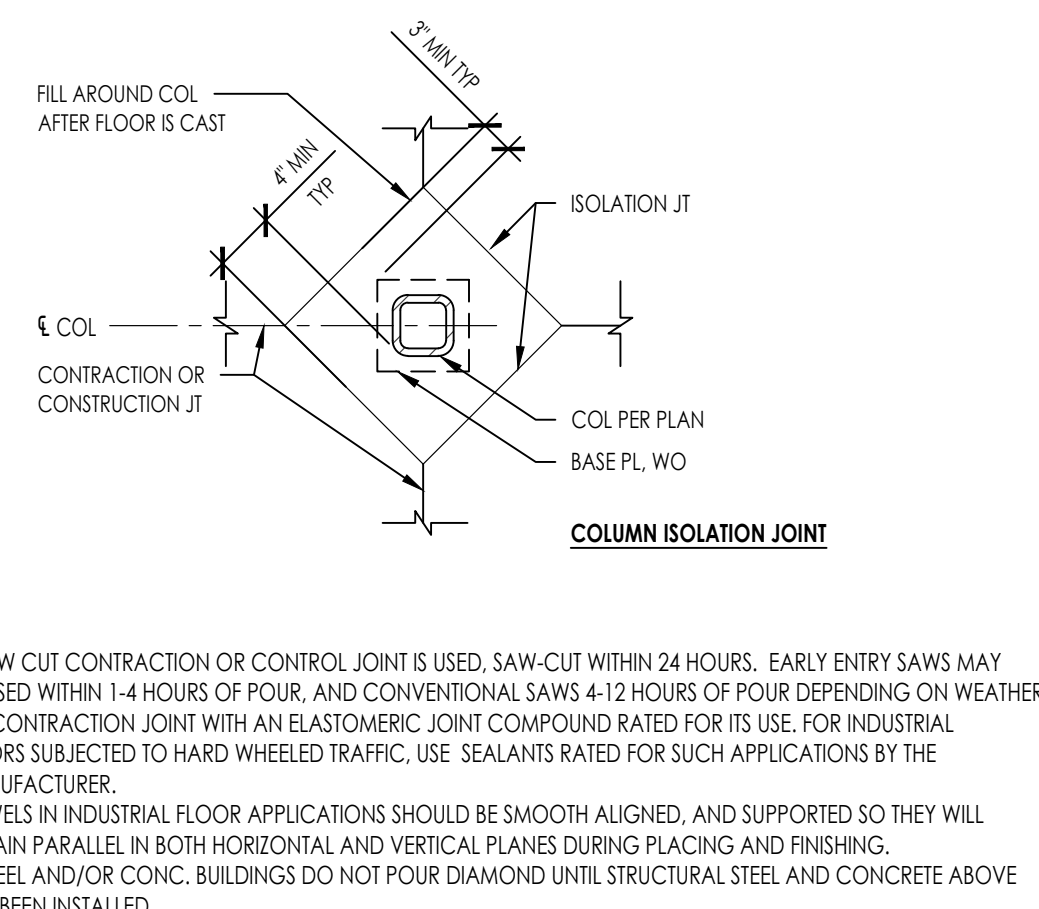
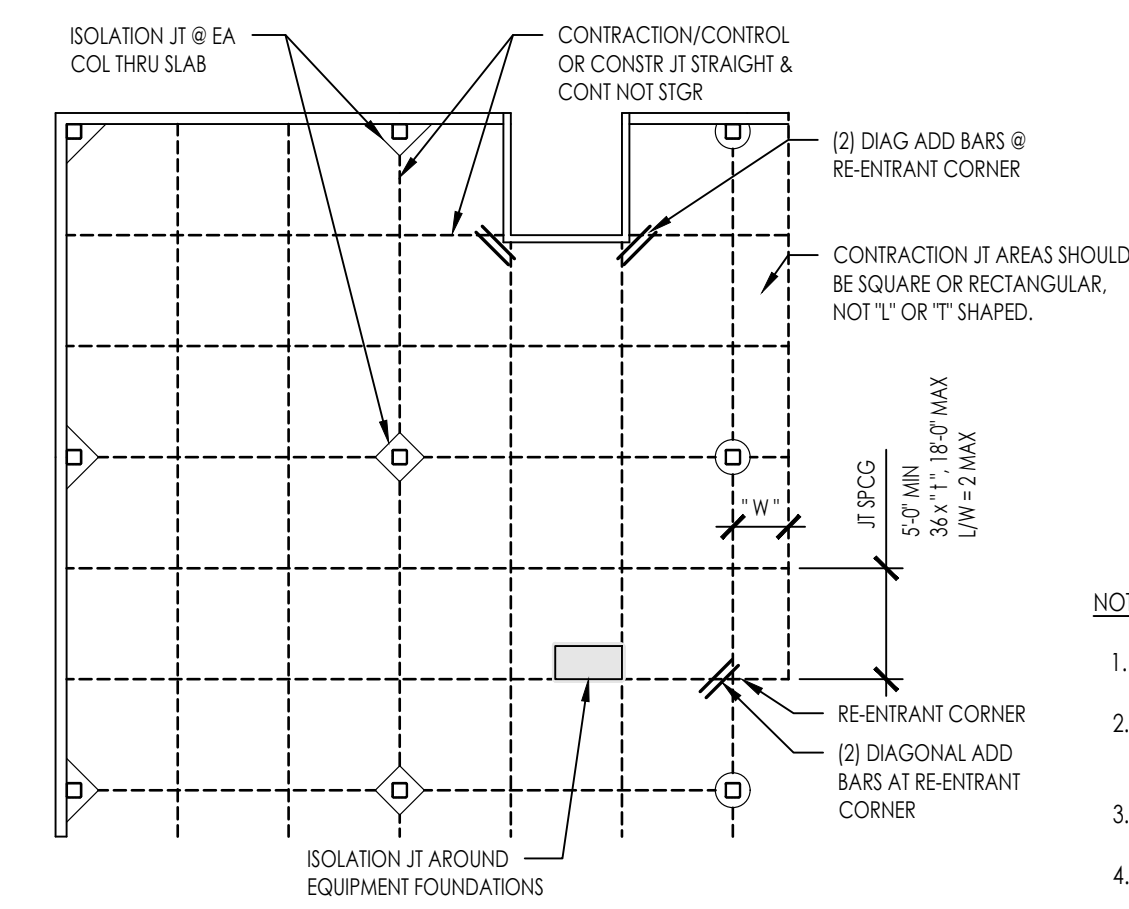
**MONO COUNTY ADU  
PROTOTYPES**  
MONO COUNTY

ROOF PLAN - RURAL MOUNTAIN

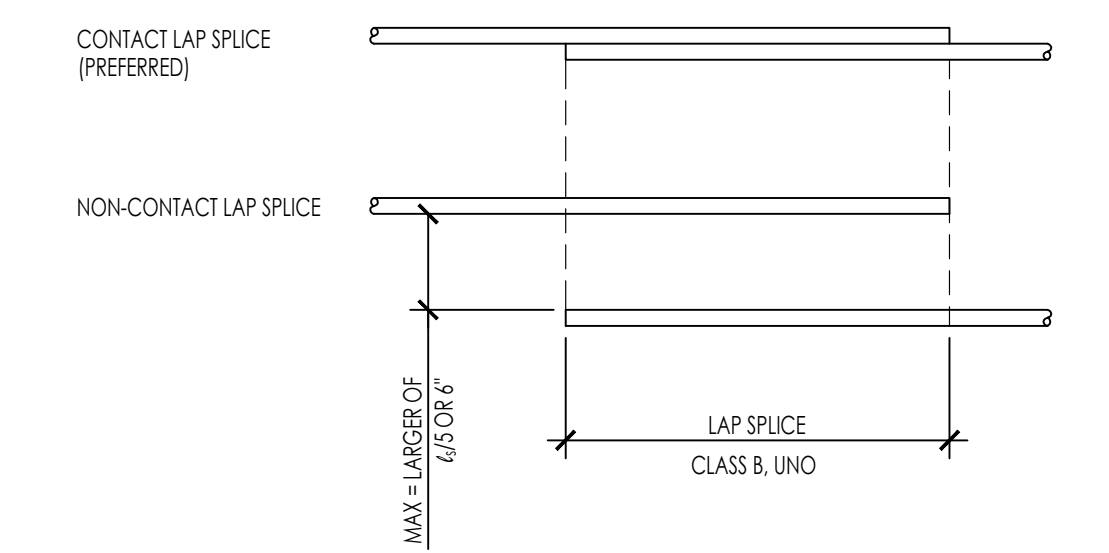
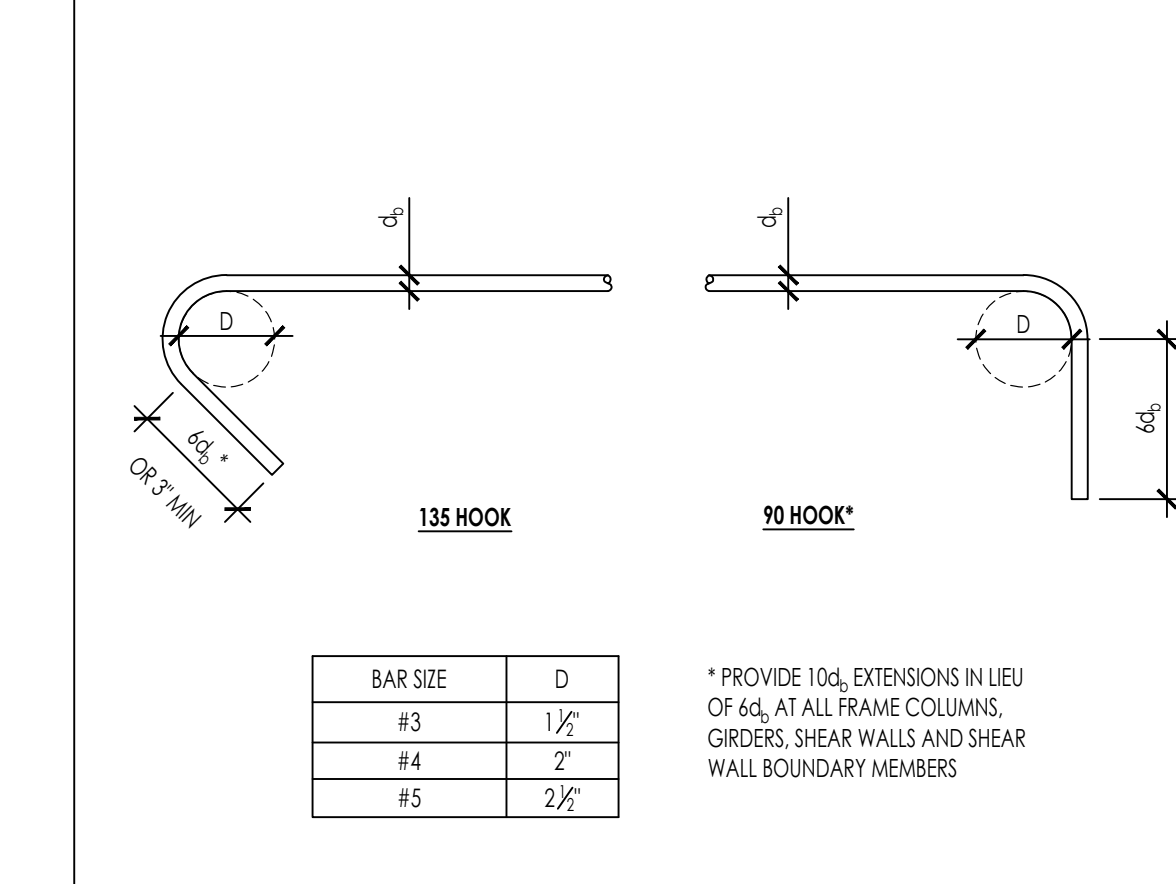
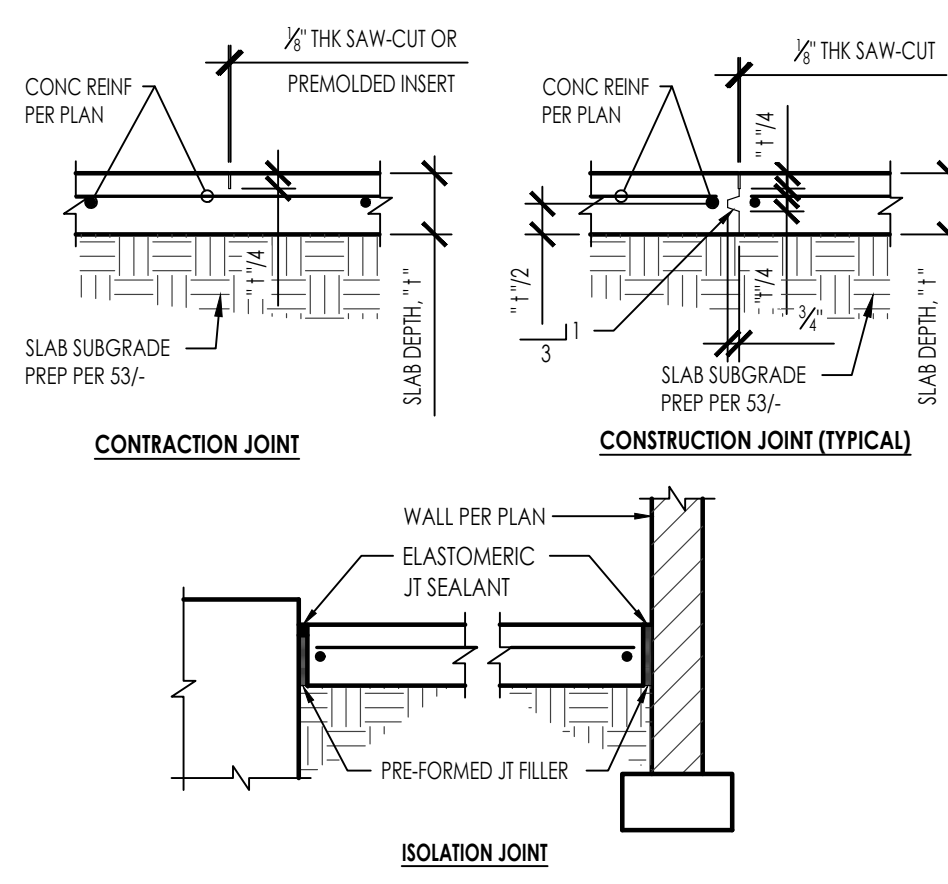
NO.	REVISION	DATE

PROJECT MANAGER J. MEADOWS	
DRAWN BY A. LOPEZ	CHECKED BY M. DOREMUS
DATE AUGUST 18, 2022	
PROJECT NUMBER 2340-01-CU21	
SHEET	

**S5-202B**



- NOTES:**
- IF SAW CUT CONTRACTION OR CONTROL JOINT IS USED, SAW-CUT WITHIN 24 HOURS. EARLY ENTRY SAWS MAY BE USED WITHIN 1-4 HOURS OF POUR, AND CONVENTIONAL SAWS 4-12 HOURS OF POUR DEPENDING ON WEATHER.
  - FILL CONTRACTION JOINT WITH AN ELASTOMERIC JOINT COMPOUND RATED FOR ITS USE. FOR INDUSTRIAL FLOORS SUBJECT TO HARD WHEELED TRAFFIC, USE SEALANTS RATED FOR SUCH APPLICATIONS BY THE MANUFACTURER.
  - DOWELS IN INDUSTRIAL FLOOR APPLICATIONS SHOULD BE SMOOTH ALIGNED, AND SUPPORTED SO THEY WILL REMAIN PARALLEL IN BOTH HORIZONTAL AND VERTICAL PLANES DURING PLACING AND FINISHING.
  - IN STEEL AND/OR CONC. BUILDINGS DO NOT POUR DIAMOND UNTIL STRUCTURAL STEEL AND CONCRETE ABOVE HAS BEEN INSTALLED.



**REINFORCING TENSION DEVELOPMENT LENGTH AND LAP SPICE SCHEDULE**

BAR SIZE	DEVELOPMENT LENGTH, l <sub>d</sub> (CLASS A LAP SPICE)			LAP SPICE, l <sub>s</sub> (CLASS B LAP SPICE)		
	2,500	3,000	4,000	2,500	3,000	4,000
#3	1'-6"	1'-5"	1'-3"	2'-0"	1'-10"	1'-7"
#4	2'-0"	1'-10"	1'-7"	2'-8"	2'-5"	2'-1"
#5	2'-6"	2'-4"	2'-0"	3'-3"	3'-0"	2'-7"
#6	3'-0"	2'-9"	2'-5"	3'-11"	3'-7"	3'-2"
#7	4'-5"	4'-0"	3'-6"	5'-9"	5'-2"	4'-6"
#8	5'-0"	4'-7"	4'-0"	6'-6"	5'-11"	5'-2"
#9	5'-8"	5'-2"	4'-6"	7'-4"	6'-9"	5'-10"
#10	6'-5"	5'-10"	5'-1"	8'-3"	7'-7"	6'-7"
#11	7'-1"	6'-6"	5'-7"	9'-2"	8'-5"	7'-3"

- NOTES:**
- VALUES ABOVE ARE FOR REINFORCEMENT WITH THE FOLLOWING PARAMETERS:
    - GRADE 60 REINFORCEMENT
    - NORMAL WEIGHT CONCRETE
      - FOR LIGHTWEIGHT CONCRETE MULTIPLY THE VALUES ABOVE BY 1.3
    - NON-EPOXY COATED REINFORCEMENT
    - HORIZONTAL BARS WITHOUT 12" OF CONCRETE BELOW (BOTTOM BARS), AND VERTICAL BARS
      - FOR TOP BARS WITH 12" OR MORE OF CONCRETE BELOW THE BAR MULTIPLY THE VALUES ABOVE BY 1.3
    - CLEAR SPACING NOT LESS THAN d<sub>s</sub>, CLEAR COVER NOT LESS THAN d<sub>s</sub>, AND STIRRUPS THROUGH l<sub>d</sub> NOT LESS THAN MIN OR
      - CLEAR SPACING NO LESS THAN 2d<sub>s</sub> AND CLEAR COVER NOT LESS THAN d<sub>s</sub>
      - FOR OTHER SPACING AND COVER CONDITIONS MULTIPLY THE VALUES ABOVE BY 1.5
    - REINFORCEMENT NOT IN SHEAR WALLS
      - FOR REINFORCEMENT IN SHEAR WALLS MULTIPLY THE VALUES ABOVE BY 1.25
  - THE MULTIPLIERS LISTED IN NOTE 1 ABOVE ARE CUMULATIVE INCREASES IN DEVELOPMENT/LAP SPICE LENGTH.
  - ALL LAP SPICES REFERENCED IN THE PLANS SHALL BE CLASS B UNLESS NOTED OTHERWISE.
  - WHEN REINFORCING BARS OF TWO SIZES ARE LAP-SPLICED IN TENSION, USE THE LARGER OF THE TENSION CLASS B, LAP SPICE LENGTH (l<sub>s</sub>) OF THE SMALLER BAR, AND THE CLASS A, TENSION DEVELOPMENT LENGTH (l<sub>d</sub>) OF THE LARGER BAR.

**SLAB ON GRADE JOINTS**

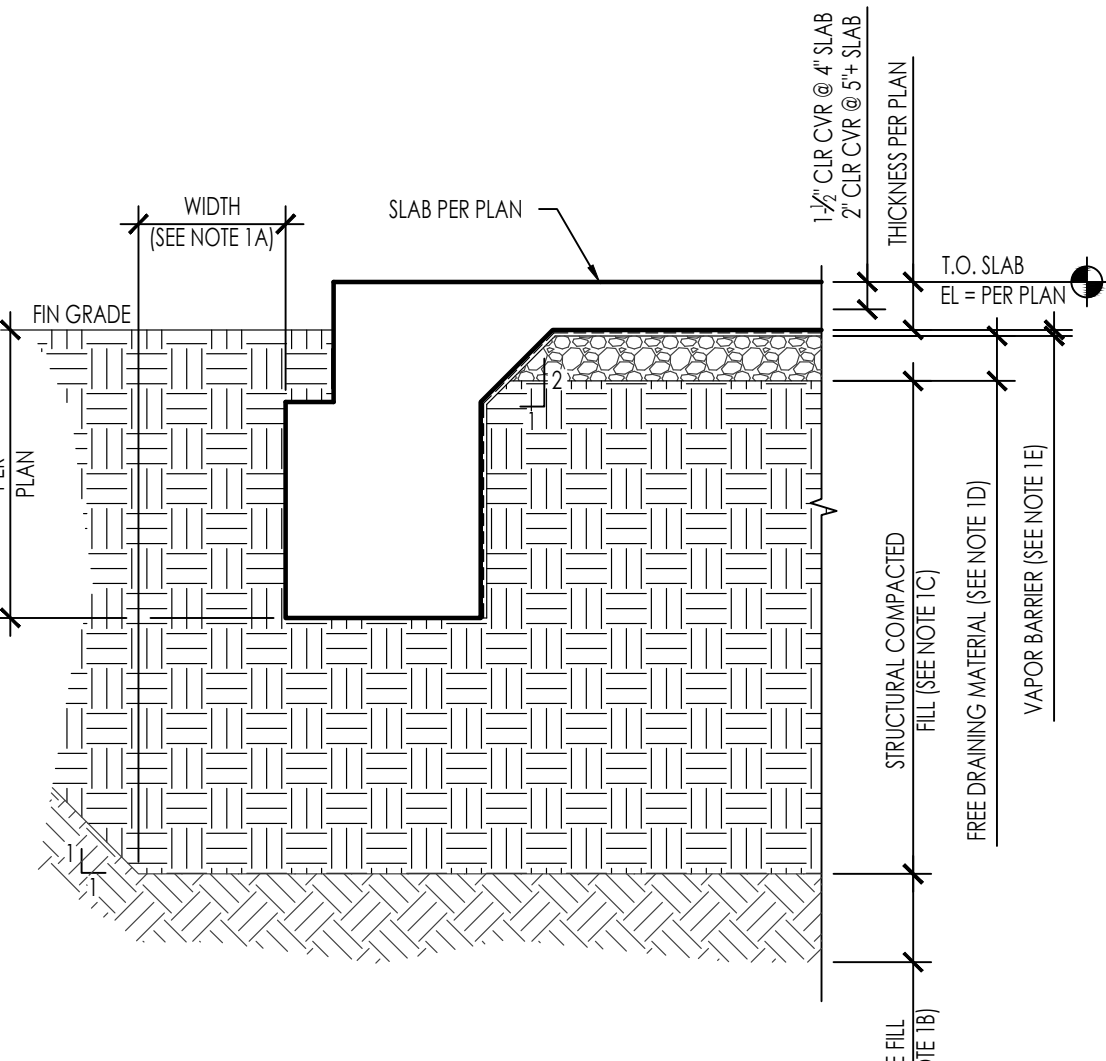
2340-01-CU21 - S301 - 31

NTS 31

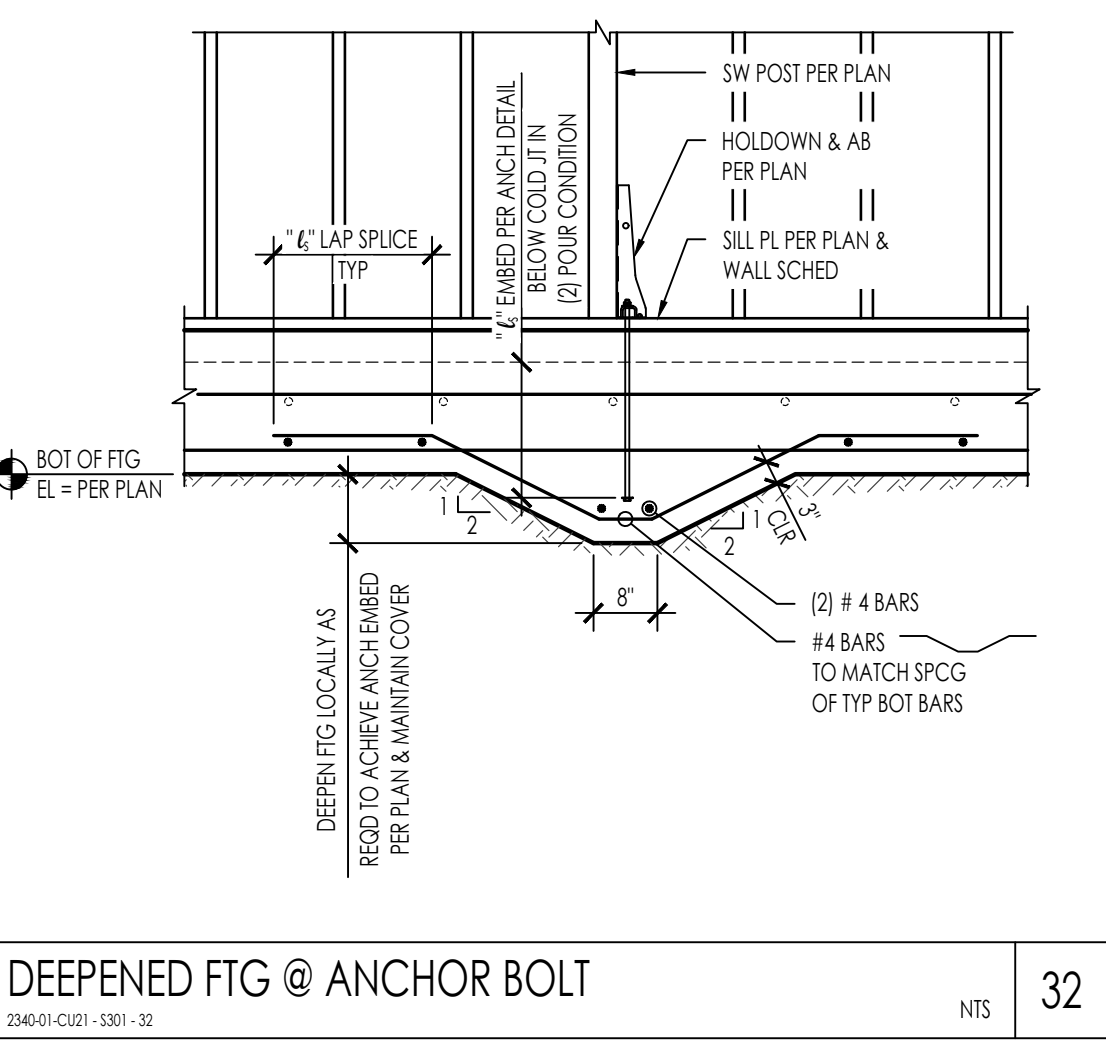
**REINF TIES AND STIRRUPS**

2340-01-CU21 - S301 - 21

NTS 21

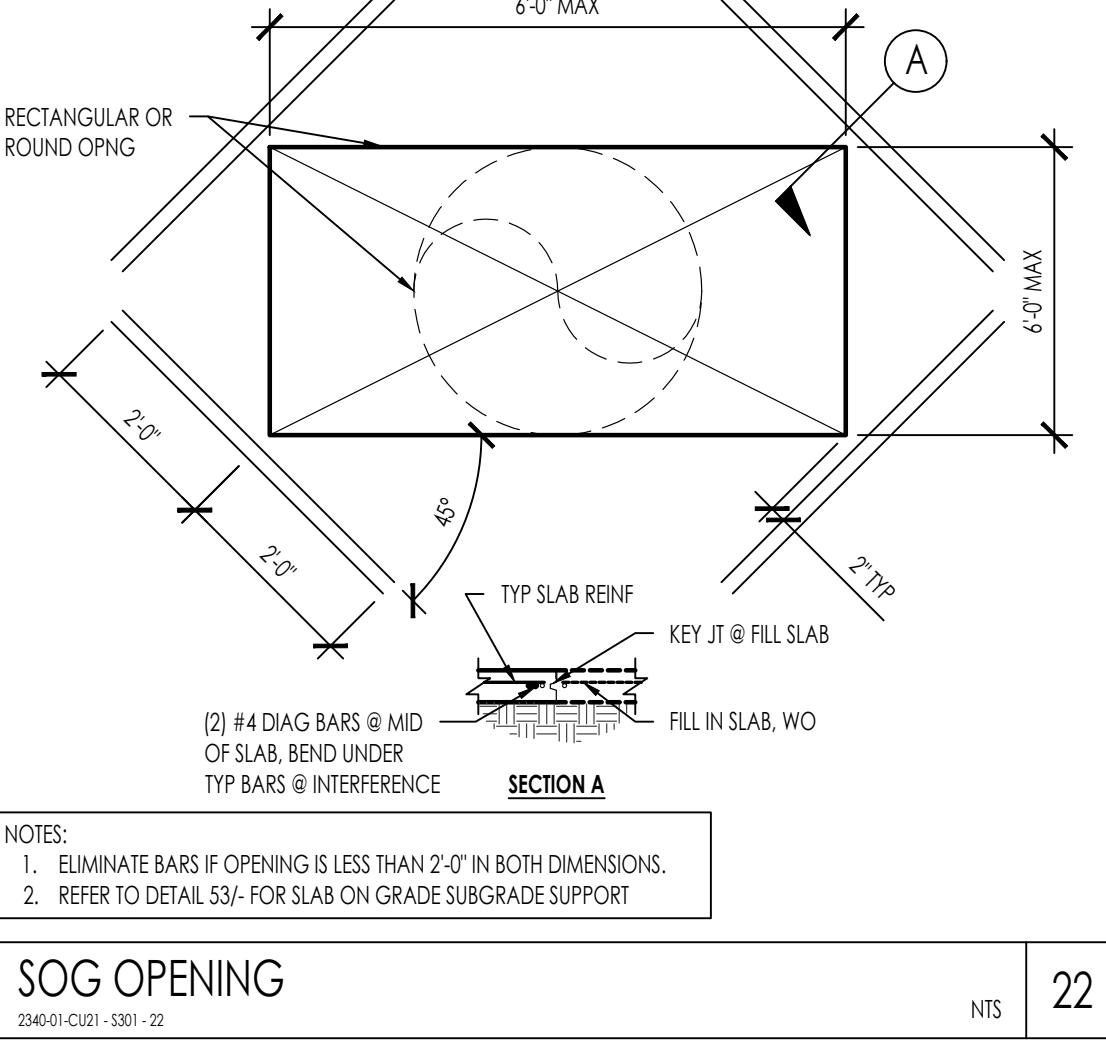


- NOTES:**
- PREPARATION OF THE SLAB SUBGRADE SHALL BE BASED ON THE FOLLOWING:
    - OVER-EXCAVATION SHALL EXTEND 5 FEET BEYOND PERIMETER FOUNDATION, TO PROPERTY LINES OR EXISTING IMPROVEMENTS, WHICHEVER IS LEAST.
  - NATIVE MATERIALS
    - SHALL BE OVER-EXCAVATED 30" BELOW (E) GRADE OR 12" BELOW BOTTOM OF FOOTINGS, TO COMPETENT MATERIAL, OR TO 1/2 THE DEPTH OF THE DEEPEST FILL (MEASURED FROM THE BOTTOM OF THE DEEPEST FOOTING); WHICHEVER IS GREATEST.
    - THE EXPOSED SURFACE SHALL BE SCARIFIED TO A DEPTH OF 4", MOISTURE CONDITIONED AND COMPACTED TO A MINIMUM RELATIVE DENSITY OF 90 PERCENT (ASTM D1557)
  - ENGINEERED COMPACTED FILL
    - ANY IMPORT MATERIAL SHALL BE NON-EXPANSIVE MATERIAL.
    - STRUCTURAL FILL SHALL BE PLACED IN HORIZONTAL LAYERS, EACH APPROXIMATELY 8" THICK BEFORE COMPACTION, AND COMPACTED TO A MINIMUM RELATIVE DENSITY OF 90 PERCENT (ASTM D1557)
  - 4" THICK, CLEAN FREE-DRAINING MATERIAL SUCH AS 3/4" COARSE AGGREGATE
  - REFER TO ARCH DRAWINGS FOR VAPOR BARRIER. INSTALL PER MANUFACTURER'S RECOMMENDATIONS FOR SEALING OF PENETRATIONS, JOINTS AND EDGES.
    - VAPOR BARRIER IS NOT TO BE PUNCTURED DURING CONSTRUCTION OF SLAB ON GRADE.
    - 2" THICK OPTIONAL SAND LAYER, SHALL BE LIGHTLY MOISTENED PRIOR TO PLACING CONCRETE.



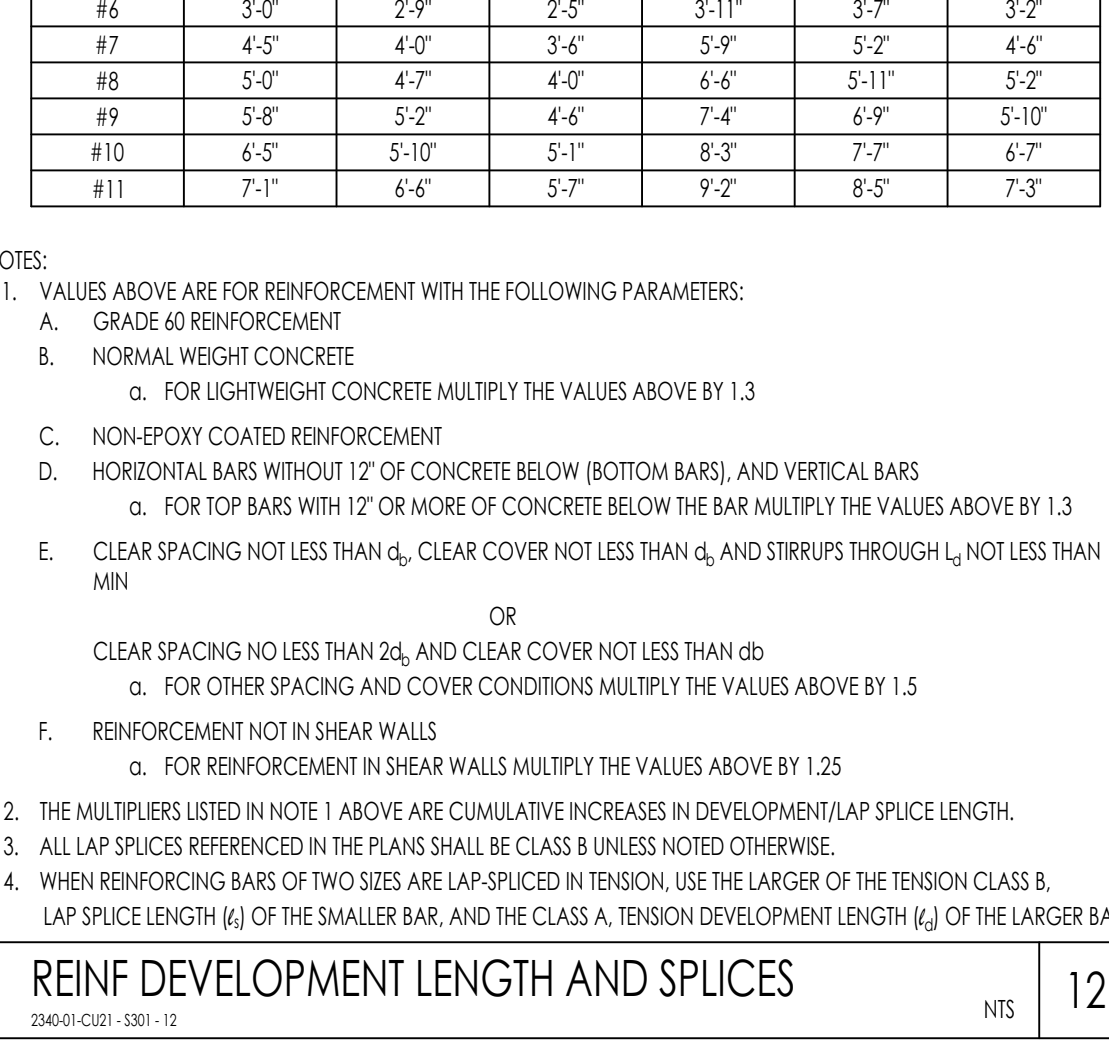
**SOG OPENING**

2340-01-CU21 - S301 - 22



**DEEPEENED FTG @ ANCHOR BOLT**

2340-01-CU21 - S301 - 42



**STEP FOOTING**

2340-01-CU21 - S301 - 43

**SLAB ON GRADE EDGE AND SUBGRADE PREP**

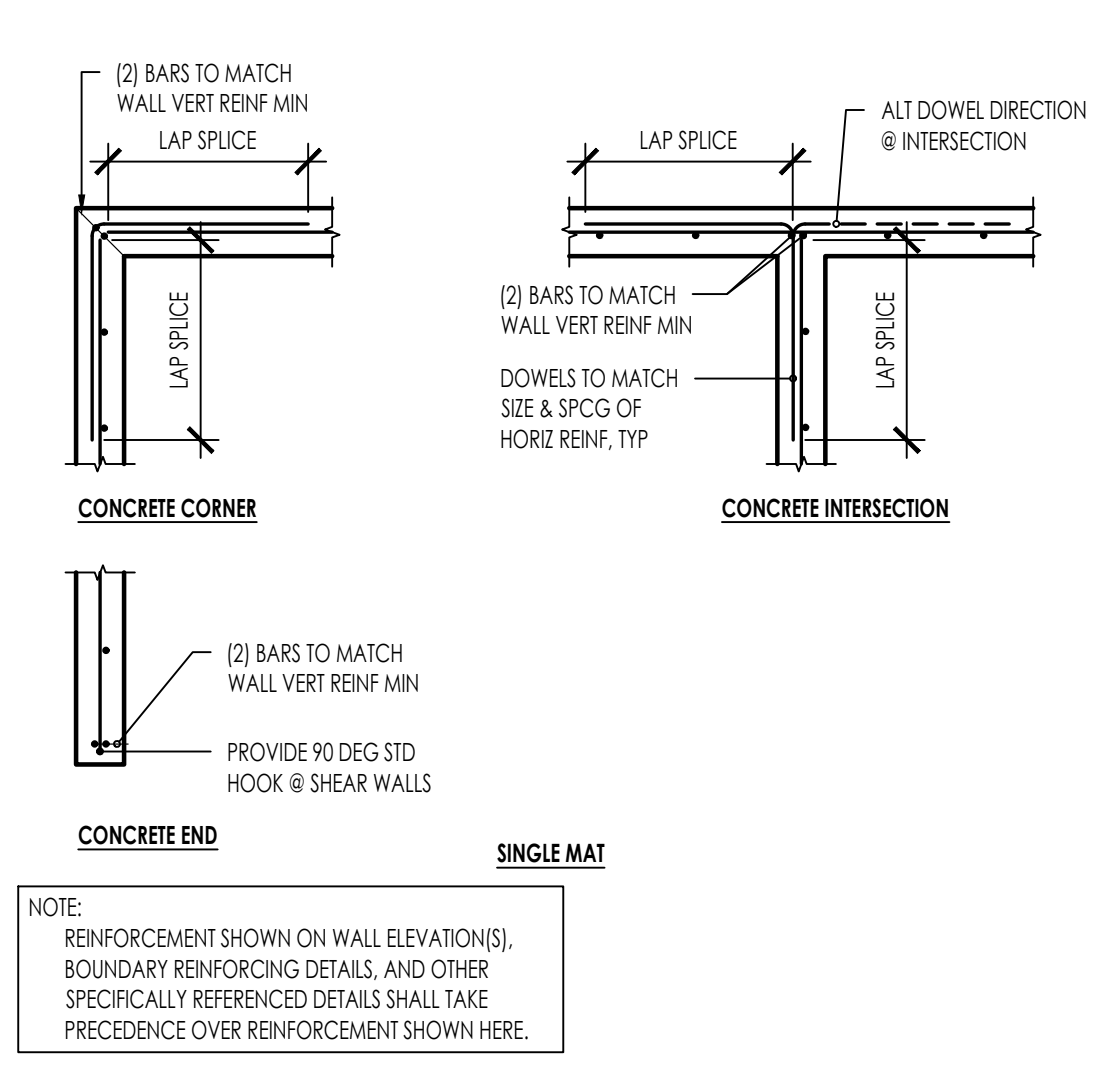
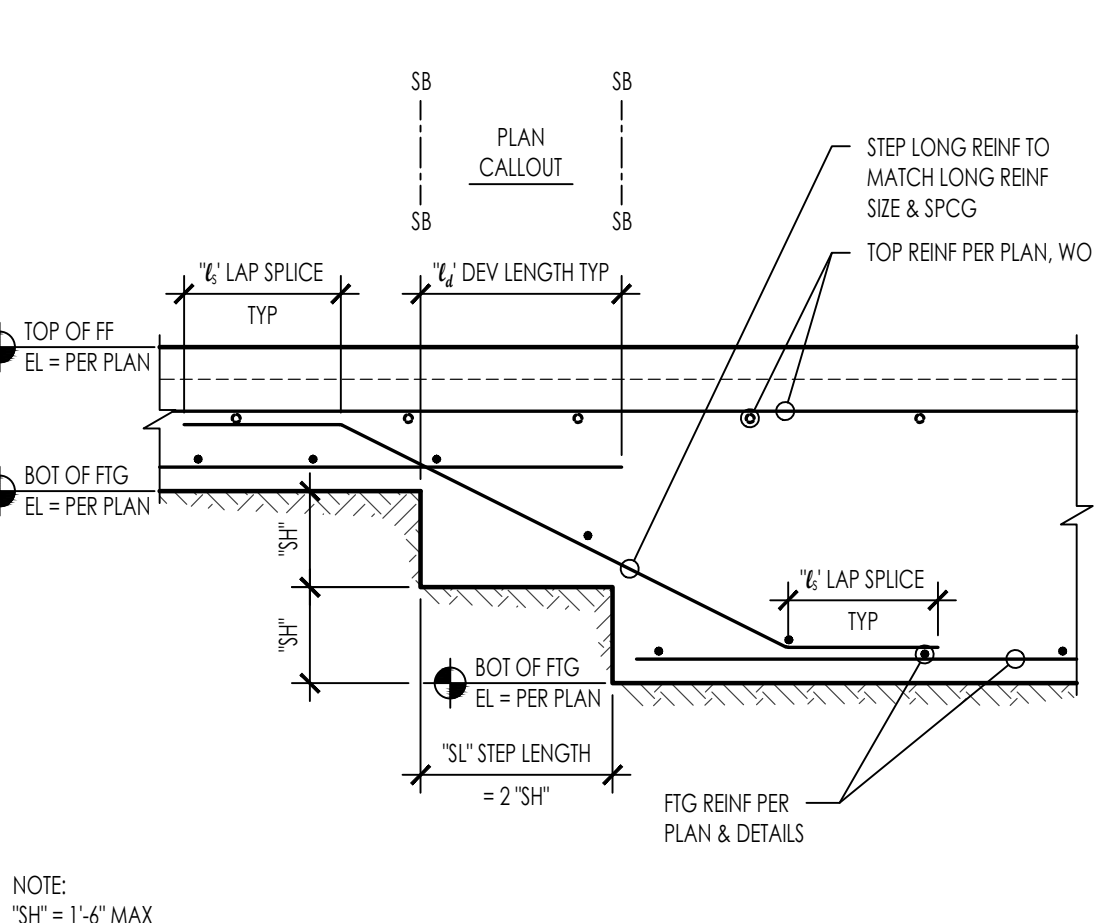
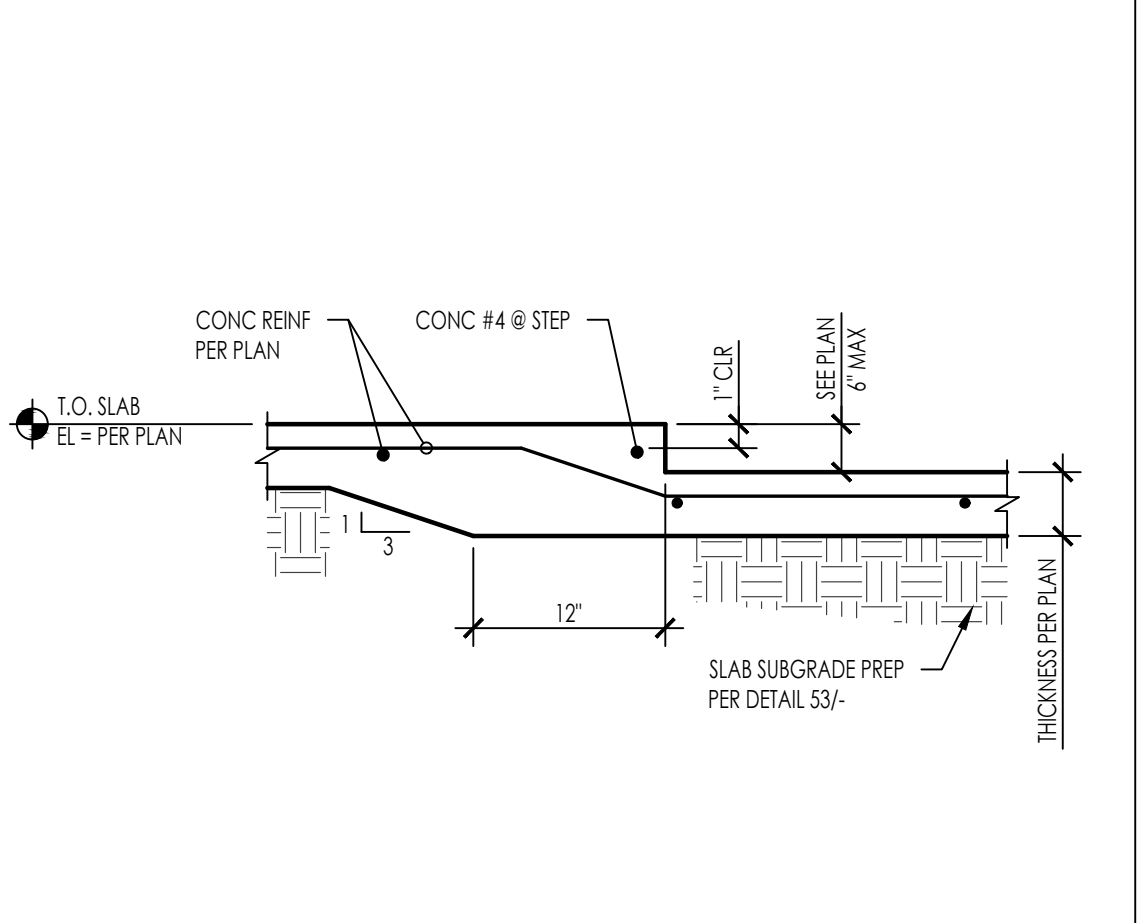
2340-01-CU21 - S301 - 53

**SLEEVE THROUGH FOUNDATION (SLAB TURN-DOWN)**

2340-01-CU21 - S301 - 43

**SLAB ON GRADE DEPRESSION**

2340-01-CU21 - S301 - 44



**CONC REINF @ INTERSECTION**

2340-01-CU21 - S301 - 24

**REIN HOOK DEVELOPMENT LENGTH AND BENDS**

BAR SIZE	D	STANDARD HOOK DEVELOPMENT LENGTH "l <sub>dh</sub> "		
		NORMAL WEIGHT		
		2,500	3,000	4,000
#3	2 1/4"	6"	0'-9"	0'-8"
#4	3"	8"	1'-0"	0'-10"
#5	3 3/4"	10"	1'-3"	1'-0"
#6	4 1/2"	12"	1'-6"	1'-3"
#7	5 1/4"	1'-2"	1'-9"	1'-5"
#8	6"	1'-4"	2'-0"	1'-10"
#9	9 1/2"	1'-7 1/2"	2'-3"	1'-10"
#10	10 3/4"	1'-10"	2'-7"	2'-1"
#11	12"	2'-0 1/2"	2'-10"	2'-3"

**NOTE:**

- ALL HOOKED BARS SHALL EXTEND AS FAR AS POSSIBLE WITH A MINIMUM 2" END COVER AND WITH EMBEDMENT NOT LESS THAN SHOWN ON THE SCHEDULE UNLESS NOTED OTHERWISE ON PLANS.
- MINIMUM SIDE COVER = 2d<sub>s</sub>
- FOR LIGHTWEIGHT CONCRETE MULTIPLY LENGTHS IN SCHEDULE BY 1.3.

**REIN HOOK DEVELOPMENT LENGTH AND BENDS**

2340-01-CU21 - S301 - 14

**SLAB ON GRADE DEPRESSION**

2340-01-CU21 - S301 - 44

**STEPPED FOOTING (BOTTOM ONLY)**

2340-01-CU21 - S301 - 34

**CONC REINF @ INTERSECTION**

2340-01-CU21 - S301 - 24

**REIN HOOK DEVELOPMENT LENGTH AND BENDS**

2340-01-CU21 - S301 - 14

**REIN HOOK DEVELOPMENT LENGTH AND BENDS**

2340-01-CU21 - S301 - 14

**MONO COUNTY ADU PROTOTYPES**  
 MONO COUNTY

NO.	REVISION	DATE

**PROJECT MANAGER**  
 J. MEADOWS  
**DRAWN BY**  
 A. LOPEZ  
**CHECKED BY**  
 M. DOREMUS  
**DATE**  
 AUGUST 18, 2022  
**PROJECT NUMBER**  
 2340-01-CU21  
**SHEET**

**TYPICAL CONCRETE DETAILS**

S-301

CONSTRUCTION DOCUMENTS

N:\2020\2340-01-CU21-Mono-County-ADU-Design\Structural\Drawings\Sheet\2340-01-CU21 - S301.dwg, P:\AN\F\ - S301 - Aug 18, 2022 11:00am, adopez

CONSULTANT

AGENCY

**MONO COUNTY ADU PROTOTYPES**  
 MONO COUNTY  
 CONCRETE DETAILS

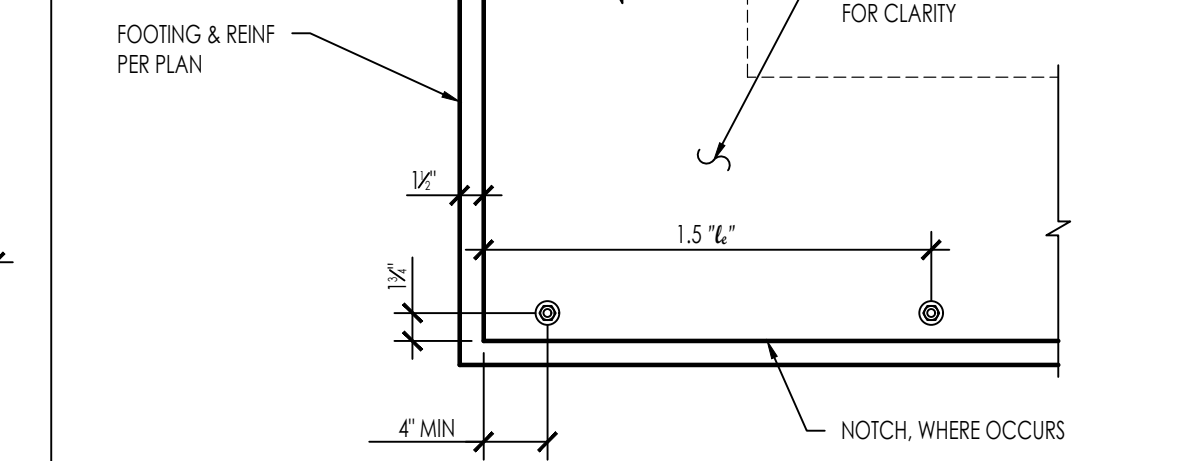
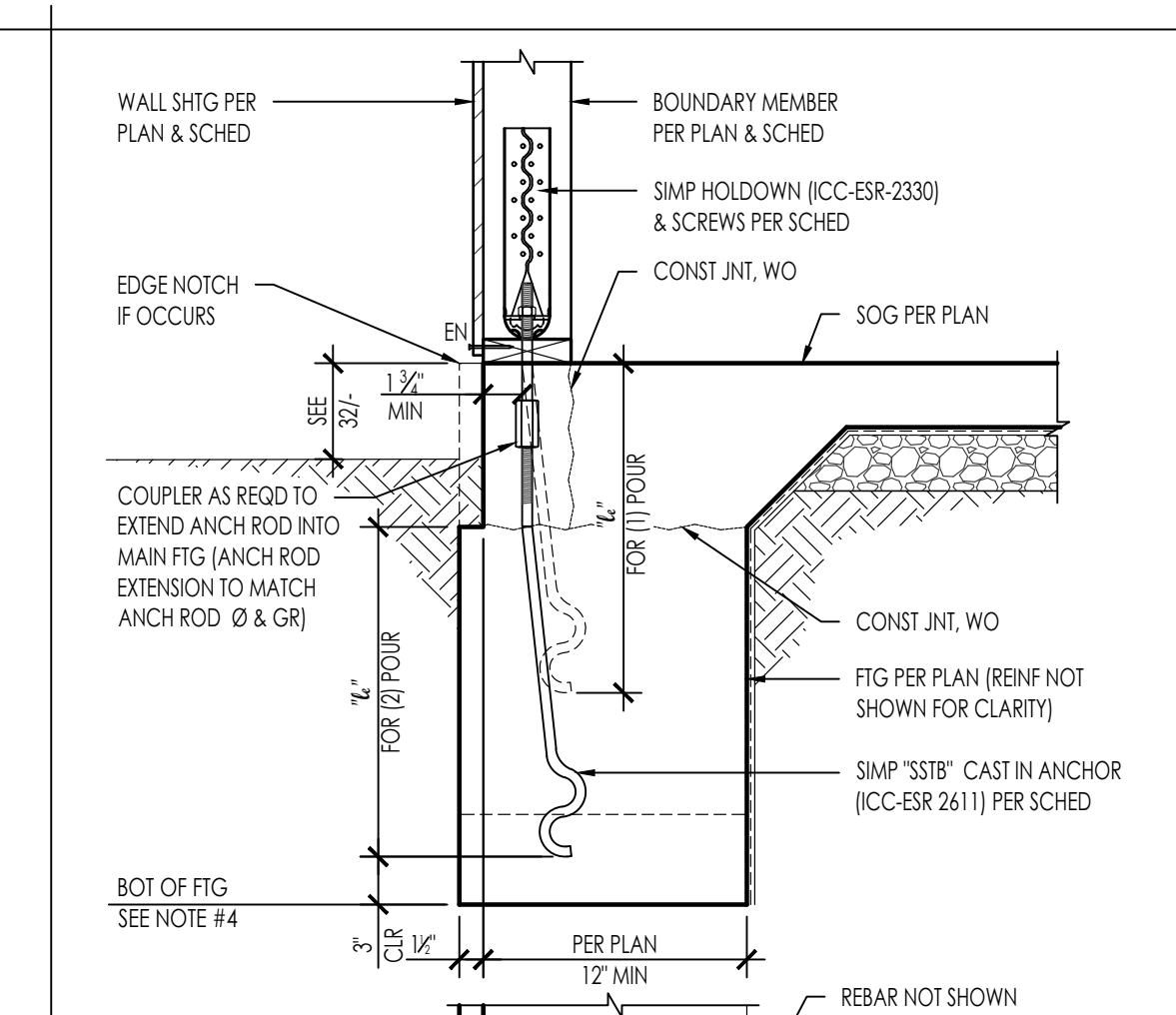
NO.	REVISION	DATE

**PROJECT MANAGER**  
 J. MEADOWS  
**DRAWN BY**  
 A. LOPEZ  
**CHECKED BY**  
 M. DOREMUS

**DATE**  
 AUGUST 18, 2022  
**PROJECT NUMBER**  
 2340-01-CU21  
**SHEET**

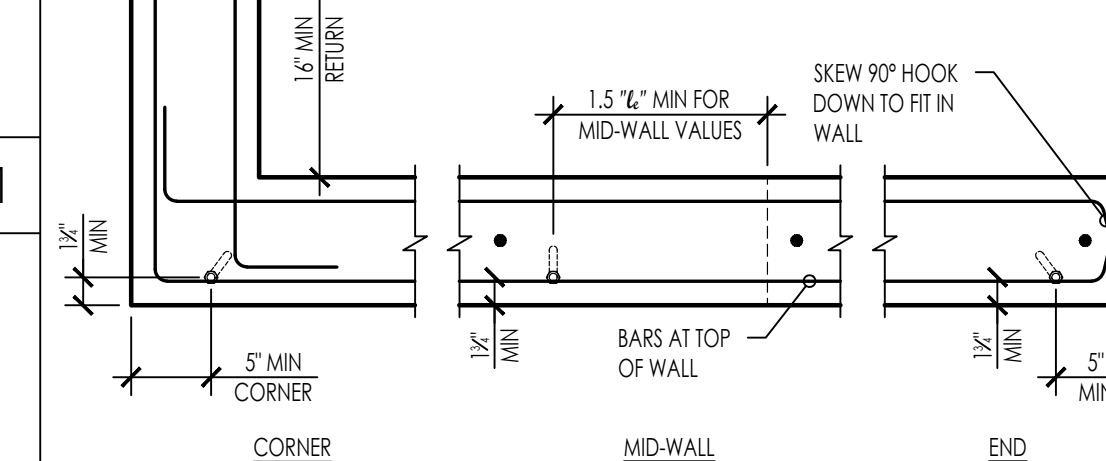
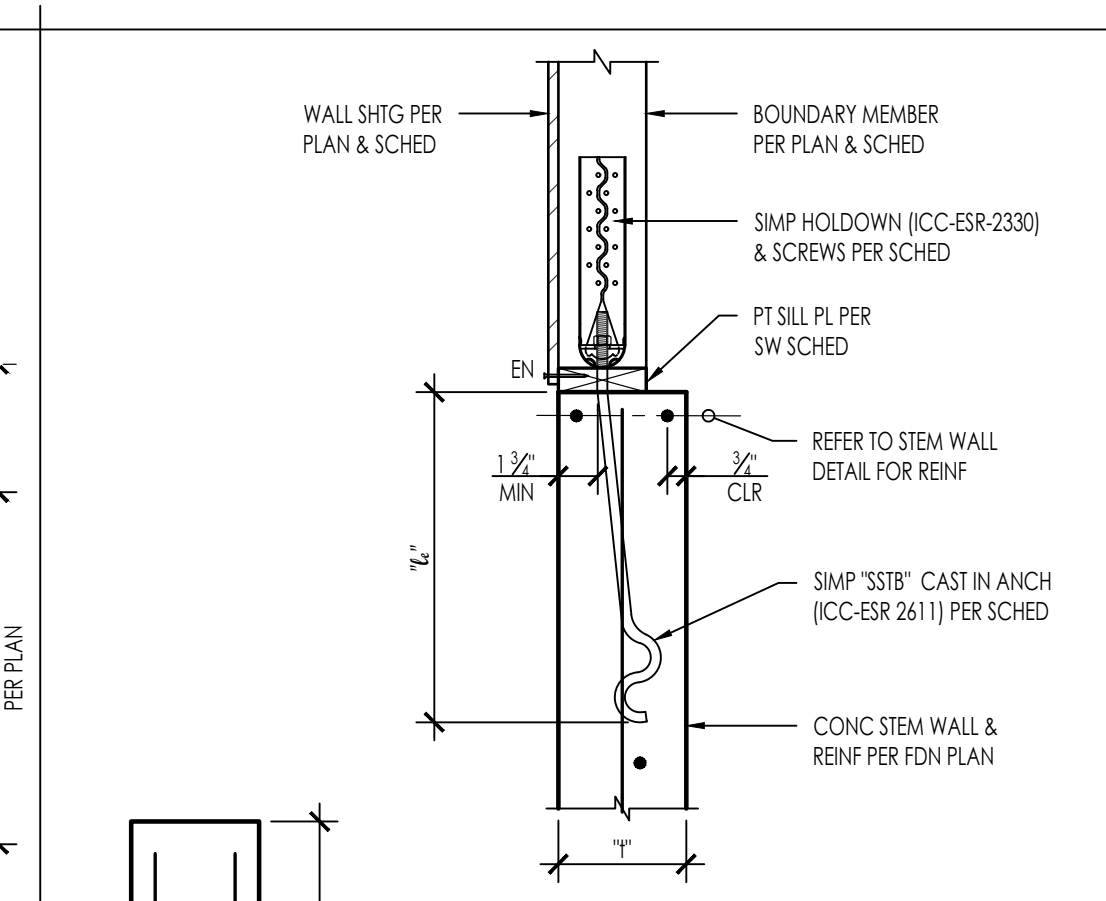
**S-311**

CONSTRUCTION DOCUMENTS



TYPE	HOLDOWN	ANCHOR	DIA (IN)	FASTENERS	BOUNDARY MEMBER MIN THICKNESS (IN)	MIN EMBED (IN)	ALLOWABLE LOADS (KIP)		
							CORNER	MIDWALL	END
4A	HDU4-SDS2.5	SSB16	1/2	10-SDS 1/2" x 2 1/2"	3	12 3/4	2,550	2,550	2,550
4B	HDU4-SDS2.5	SSB20	3/4	14-SDS 1/2" x 2 1/2"	3	16 1/4	2,960	3,145	2,960
4C	HDU4-SDS2.5	SSB24	1	14-SDS 1/2" x 2 1/2"	3	20 3/8	3,325	3,740	3,325
4D	HDU8-SDS2.5	SSB28	1 1/4	20-SDS 1/2" x 2 1/2"	4 1/2	24 1/4	7,315	7,870*	6,395

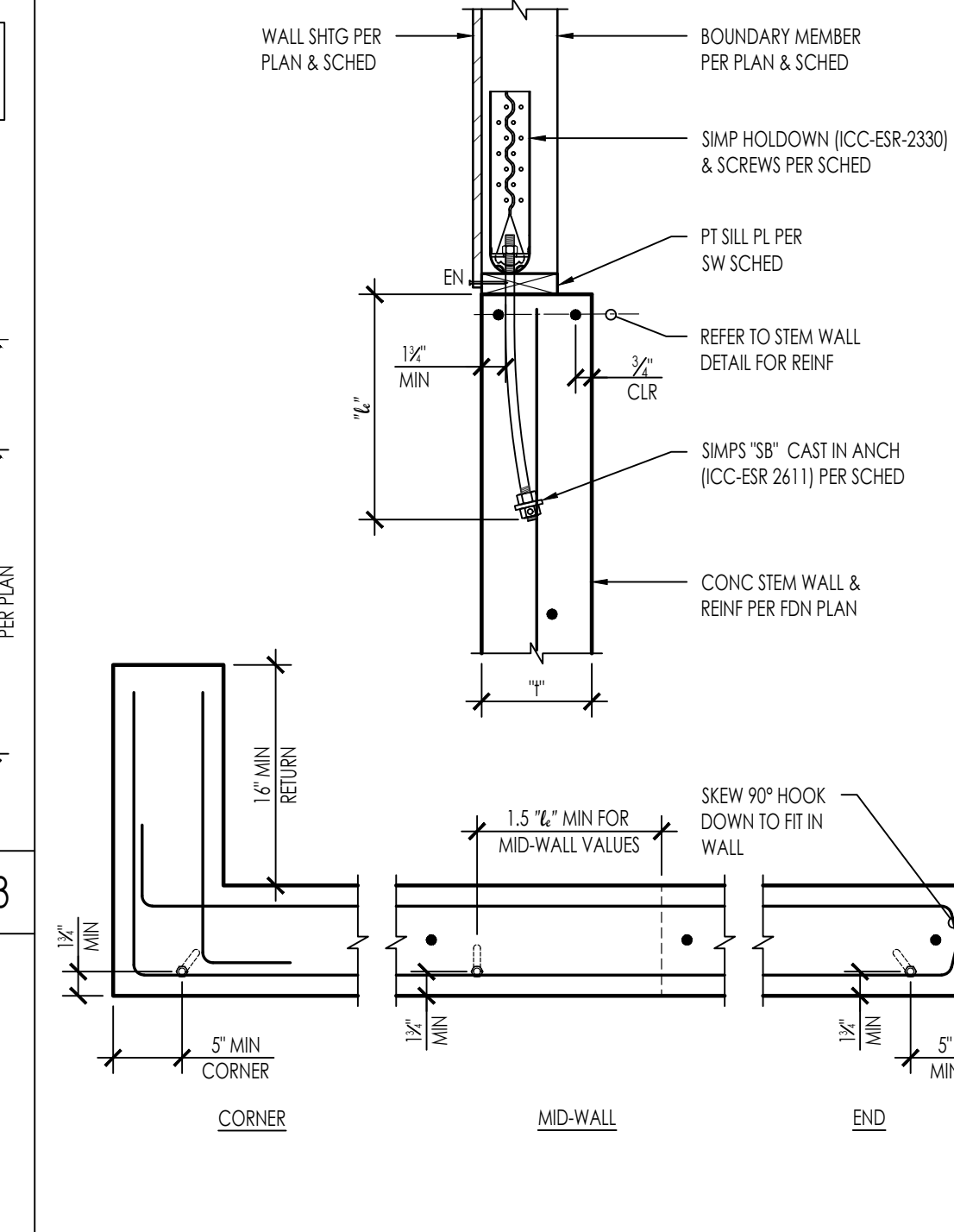
- MINIMUM EDGE DISTANCE IS SHOWN ABOVE. ANCHOR LOCATIONS PER PLAN
- MINIMUM ANCHOR TO ANCHOR SPACING IS 3L
- \* = CAPACITY LIMITED BY HOLDOWN
- DEEPEN FOOTING AT HOLDOWN ANCHOR AS REQ'D PER DETAIL 32/3-



TYPE	HOLDOWN	ANCHOR	MIN STEM WALL WIDTH +/- (IN)	DIA (IN)	FASTENERS	BOUNDARY MEMBER MIN THICKNESS (IN)	MIN EMBED (IN)	ALLOWABLE LOADS (KIP)		
								CORNER	MIDWALL	END
4A	HDU2-SDS2.5	SSB16	1 1/4	1/2	6-SDS 1/2" x 2 1/2"	3	12 3/4	2,550	2,550	2,550
4B	HDU4-SDS2.5	SSB20	6	3/4	10-SDS 1/2" x 2 1/2"	3	16 1/4	2,960	3,145	2,960
4C	HDU4-SDS2.5	SSB24	6	1	10-SDS 1/2" x 2 1/2"	3	20 3/8	3,325	3,740	3,325
4D	HDU8-SDS2.5	SSB28	8	1 1/4	20-SDS 1/2" x 2 1/2"	4 1/2	24 1/4	7,315	7,870*	6,395

- MINIMUM EDGE DISTANCE IS SHOWN ABOVE. ANCHOR LOCATIONS PER PLAN
- MINIMUM ANCHOR TO ANCHOR SPACING IS 3L
- \* = CAPACITY LIMITED BY HOLDOWN

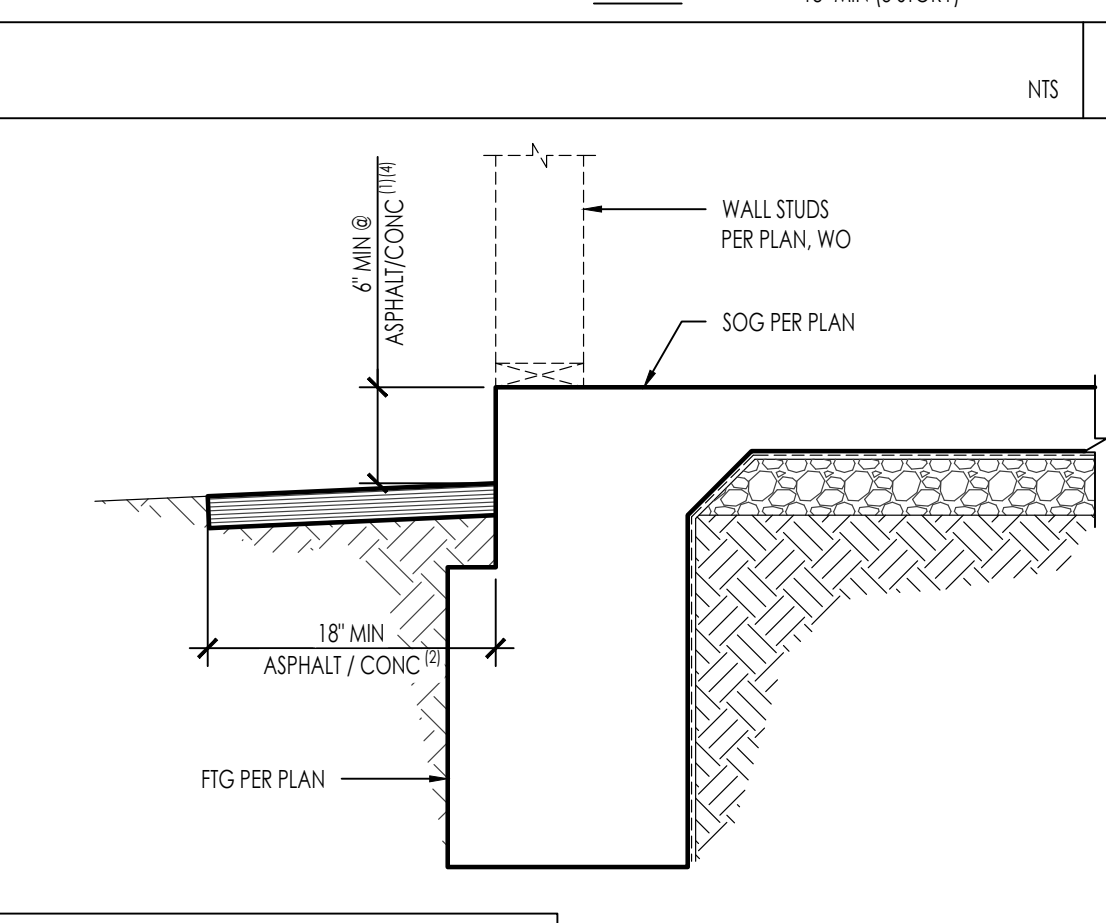
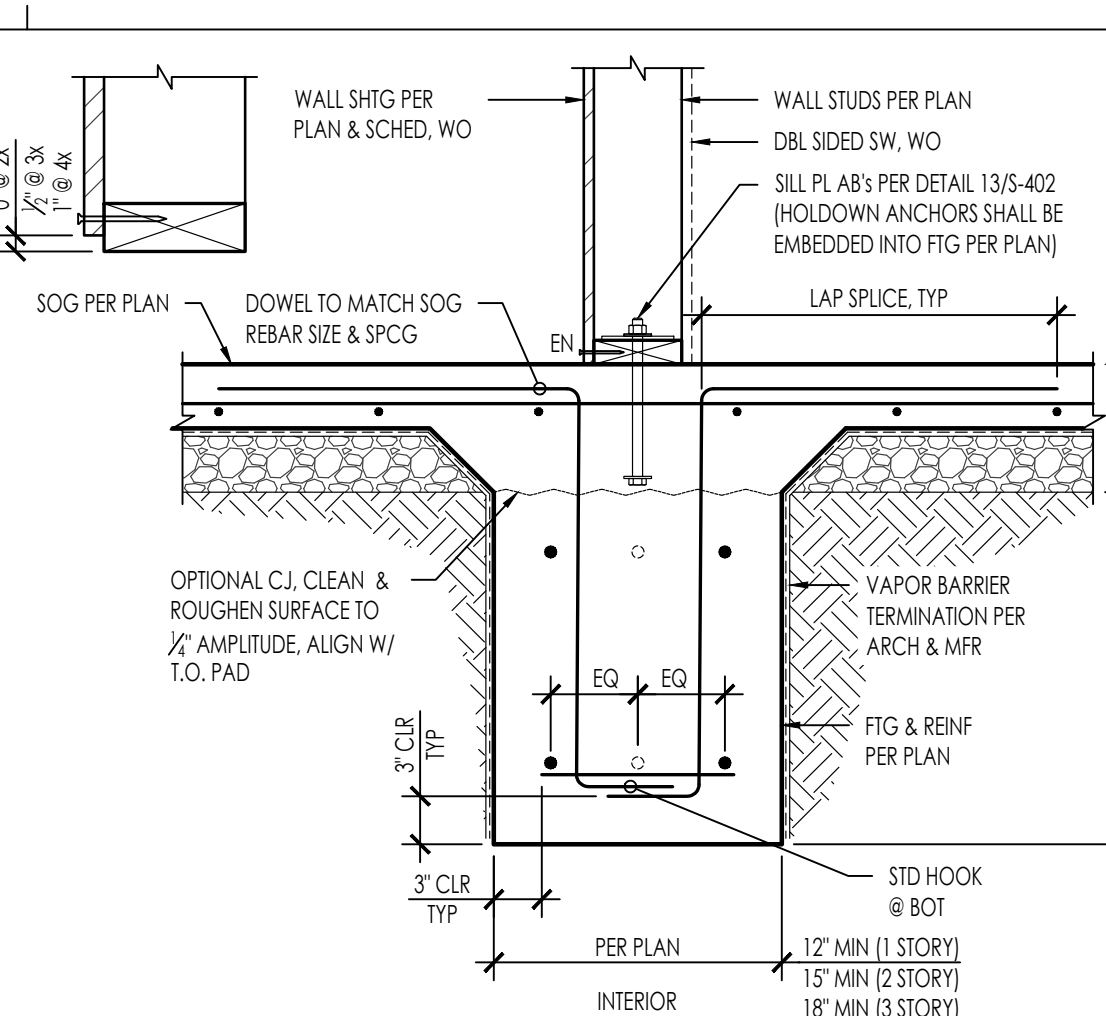
**SB ANCHOR & HOLDOWN @ STEM WALL** NTS 22



TYPE	HOLDOWN	ANCHOR	MIN STEM WALL WIDTH +/- (IN)	DIA (IN)	FASTENERS	BOUNDARY MEMBER MIN THICKNESS (IN)	MIN EMBED (IN)	ALLOWABLE LOADS (KIP)		
								CORNER	MIDWALL	END
7A	HDU5-SDS2.5	S8 1/2" x 24	6	3/4	14-SDS 1/2" x 2 1/2"	3	18	5,645*	5,645*	5,645*
7B	HDU8-SD3	S8 1/2" x 24	8	1	20-SDS 1/2" x 3"	4 1/2	18	7,855	8,795	5,730
7C	HDU14-SDS2.5	S8 1" x 30	8	1	36-SDS 1/2" x 2 1/2"	5 1/2	24	8,315	10,770*	6,065

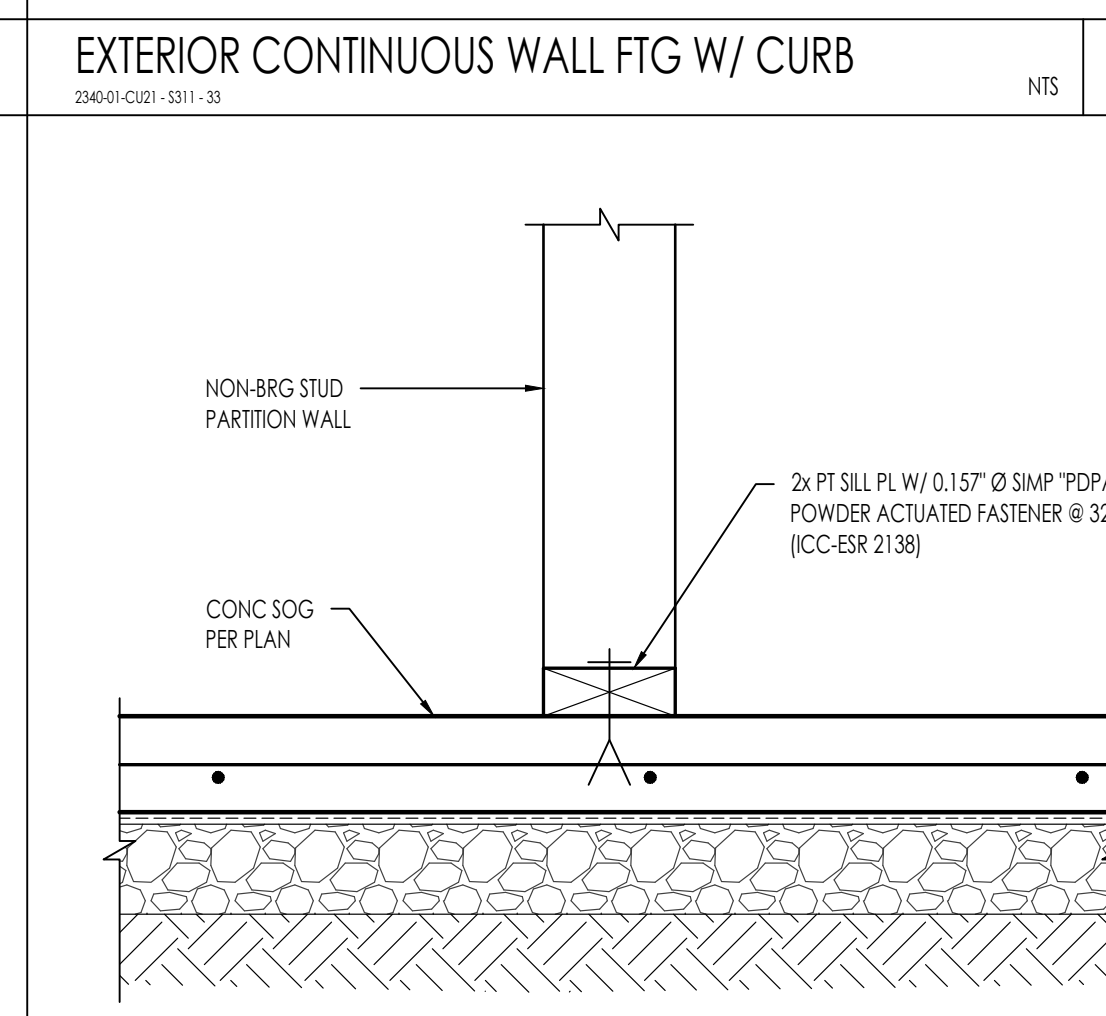
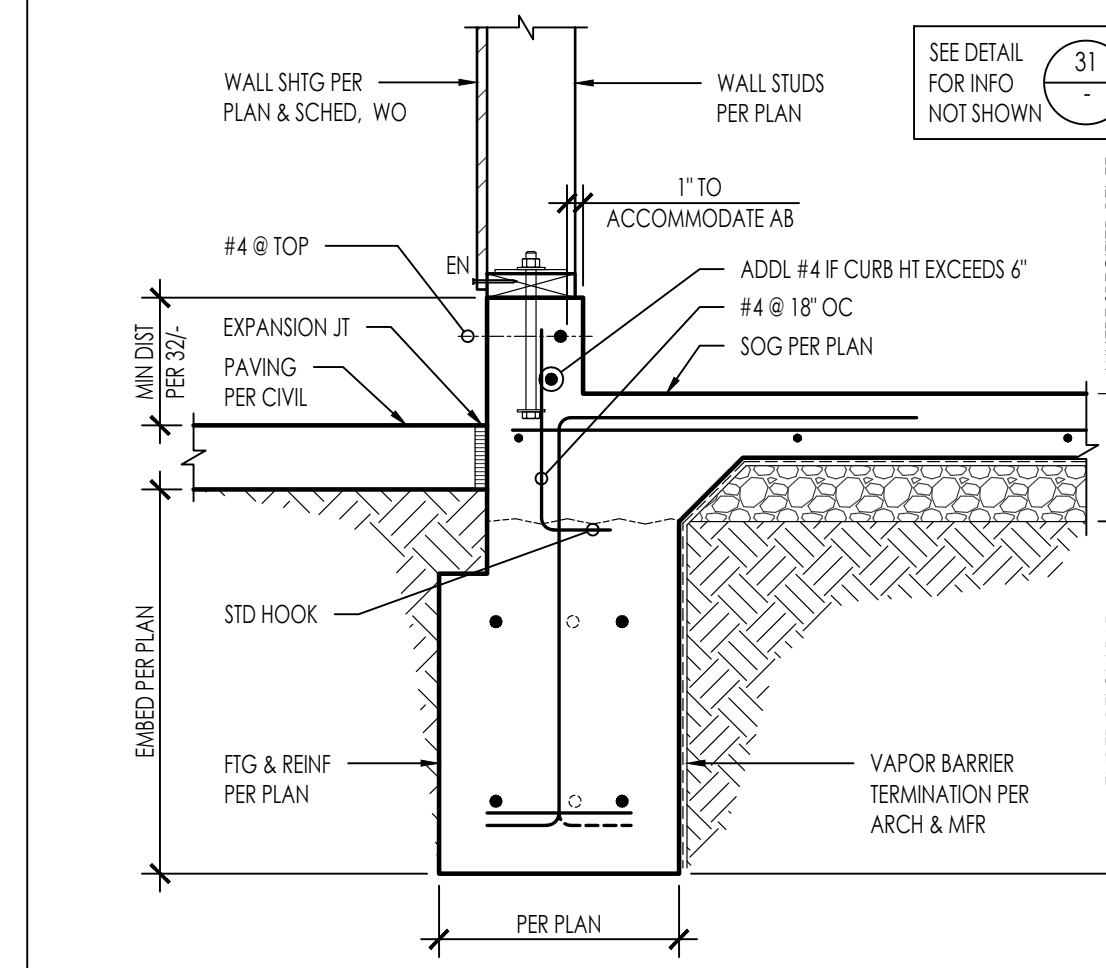
- MINIMUM EDGE DISTANCE IS SHOWN ABOVE. ANCHOR LOCATIONS PER PLAN
- MINIMUM ANCHOR TO ANCHOR SPACING IS 3L
- \* = CAPACITY LIMITED BY HOLDOWN

**SB ANCHOR & HOLDOWN @ FOUNDATION** NTS 14

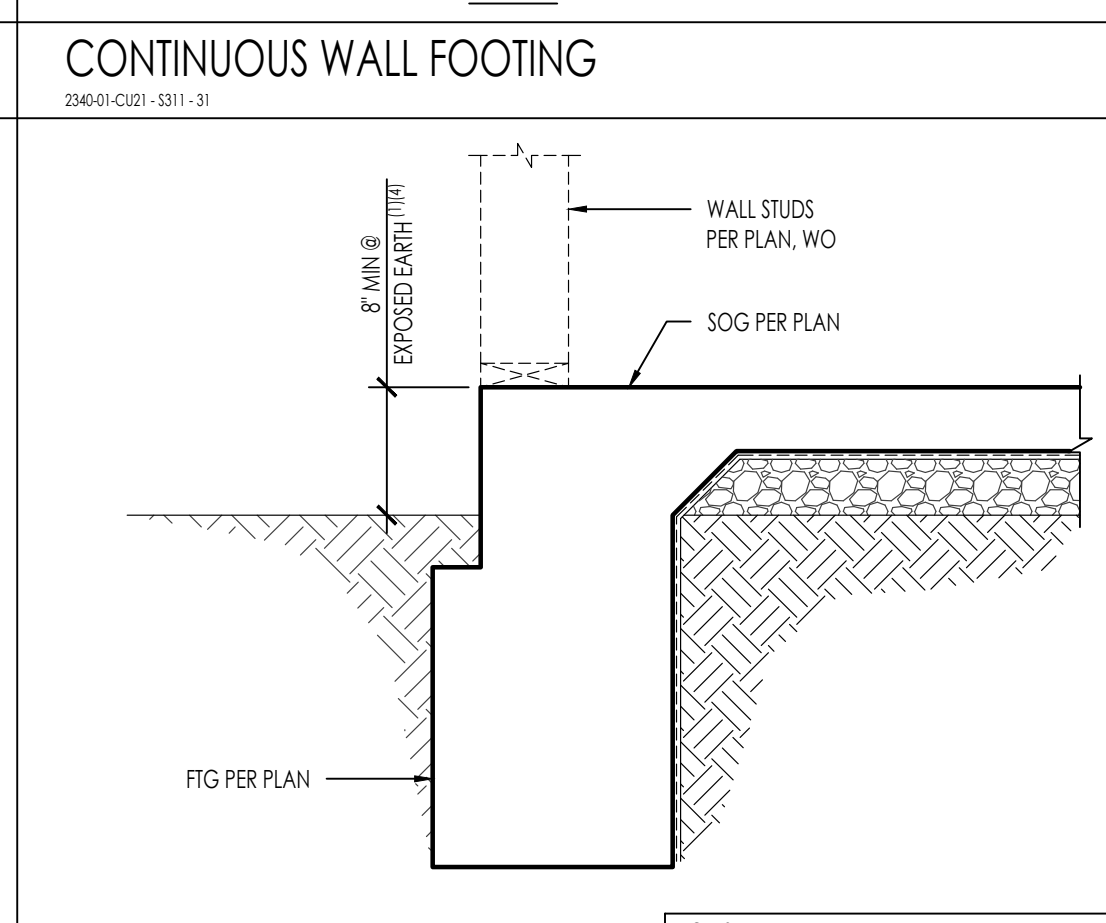
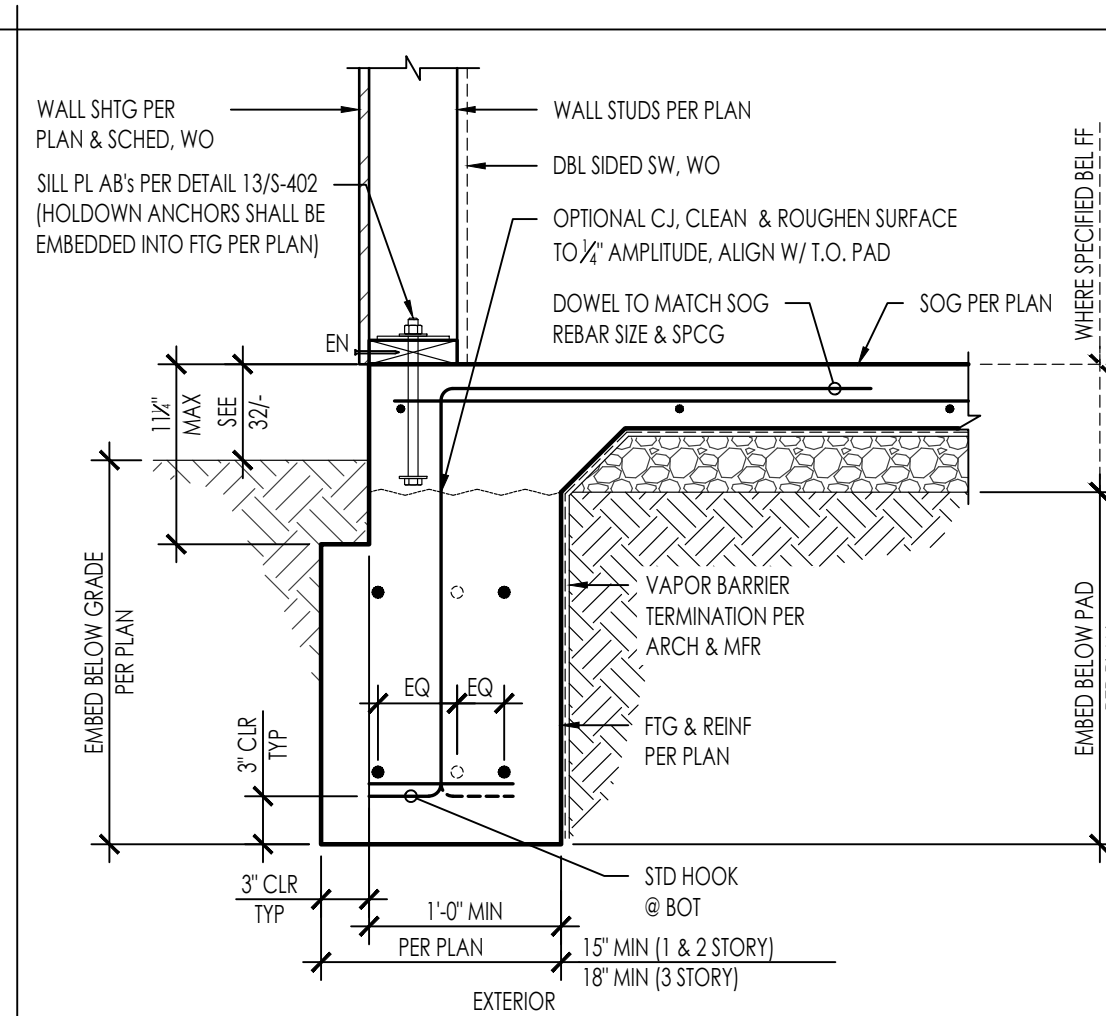


- MIN DISTANCE TO EXPOSED EARTH APPLIES TO BOTH TURNED DOWN AND STEM WALL FOOTINGS
- CONCRETE OR IMPERVIOUS SURFACE WITH ADEQUATE DRAINAGE AWAY FROM FOUNDATION (2% MIN SLOPE)
- FOR BALANCE OF FOOTING INFO NOT SHOWN, SEE DETAIL 31/-
- WHERE MINIMUM DISTANCE TO EXTERIOR FINISHED GRADE OR SURFACE CANNOT BE ACHIEVED, PROVIDE CONCRETE CURB PER DETAIL 33/-

**CONTINUOUS WALL FOOTING** NTS 31



**NON-BEARING WALL ANCHORAGE @ SOG** NTS 34

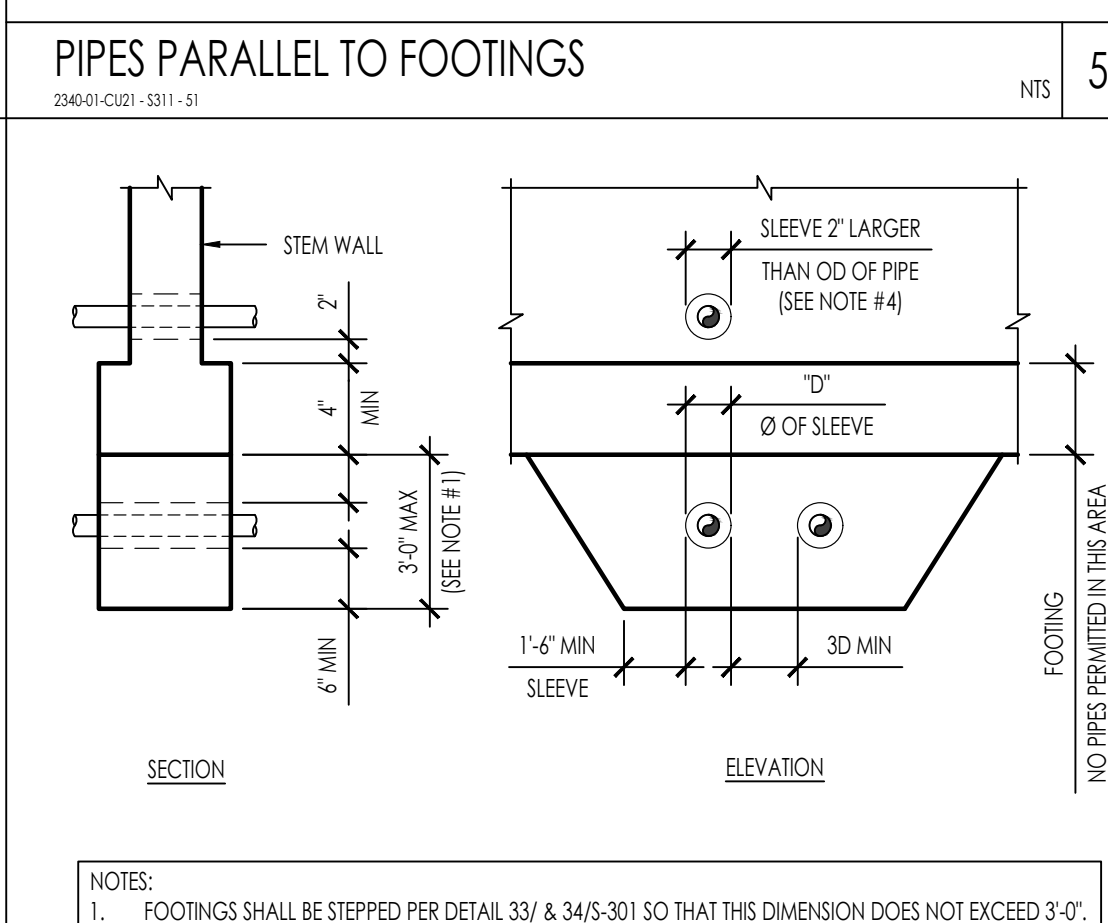
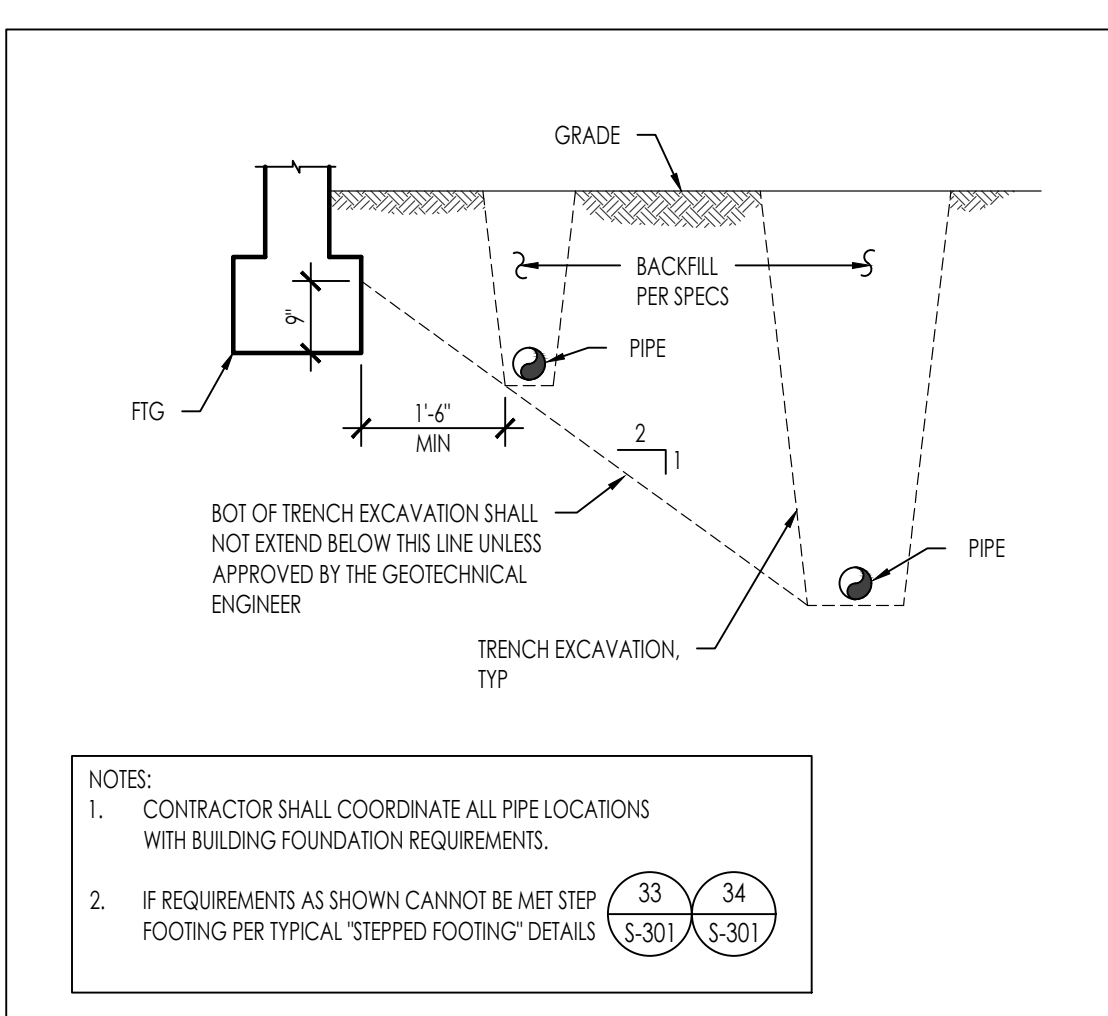


- FOOTINGS SHALL BE STEPPED PER DETAIL 33/ & 34/S-301 SO THAT THIS DIMENSION DOES NOT EXCEED 3'-0"
- CONTRACTOR SHALL COORDINATE ALL PIPE LOCATIONS WITH BUILDING FOUNDATION REQUIREMENTS.
- TRENCH BELOW FOOTING SHALL BE FILLED WITH CONCRETE OR 3-SACK SLURRY BEFORE POURING FOOTING. CONCRETE FILL SHALL BE SAME WIDTH AS FOOTING AND FULL WIDTH OF PIPE TRENCH.
- PIPES MAY BE WRAPPED IN 1" THICK LOOSE FOAM IN LIEU OF SLEEVING.
- CONDUIT MAY BE RUN THRU STEM OR ENCASEMENT UNDER FOOTING WITHOUT SLEEVES OR FOAM WRAP.

**PIPES PERPENDICULAR TO FOOTINGS W/ STEM WALL** NTS 52

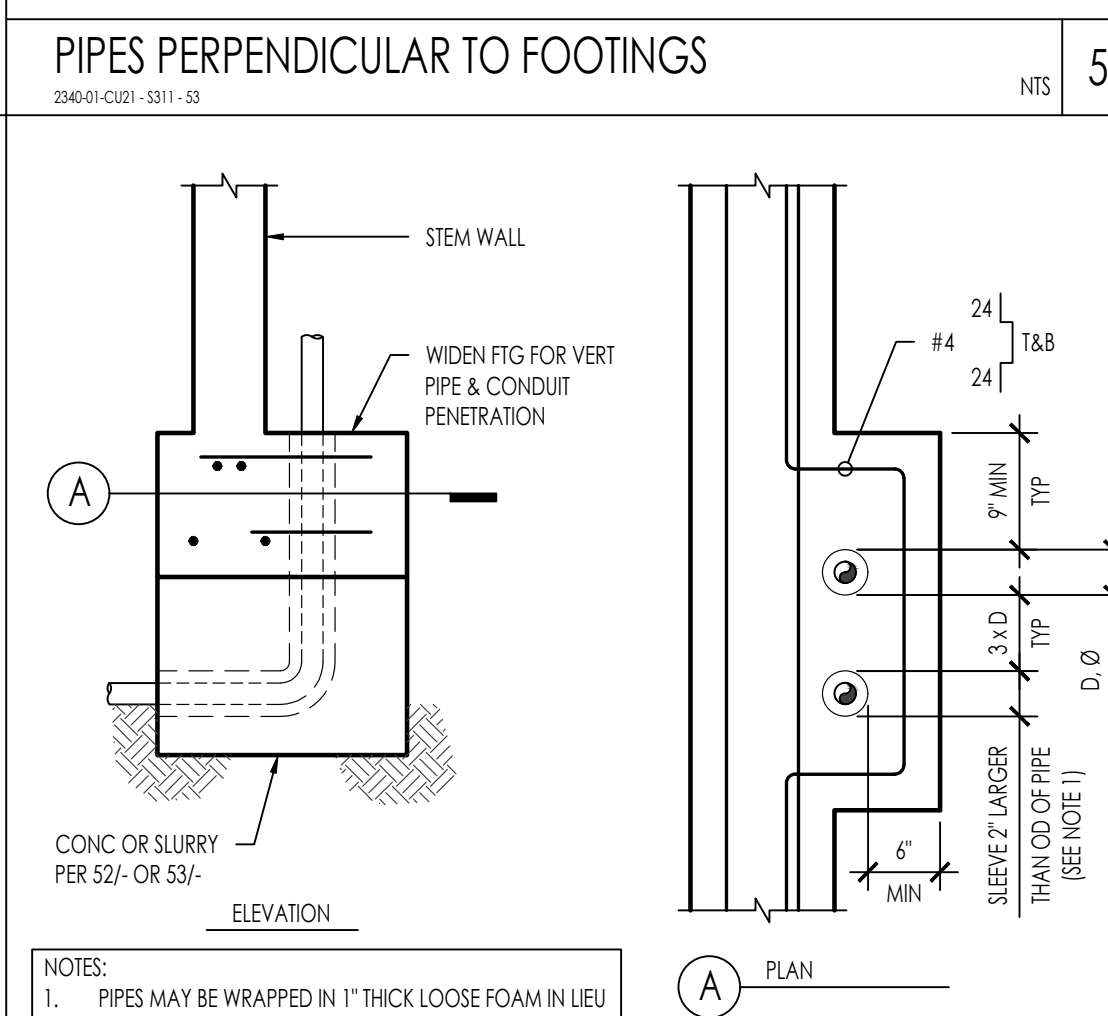
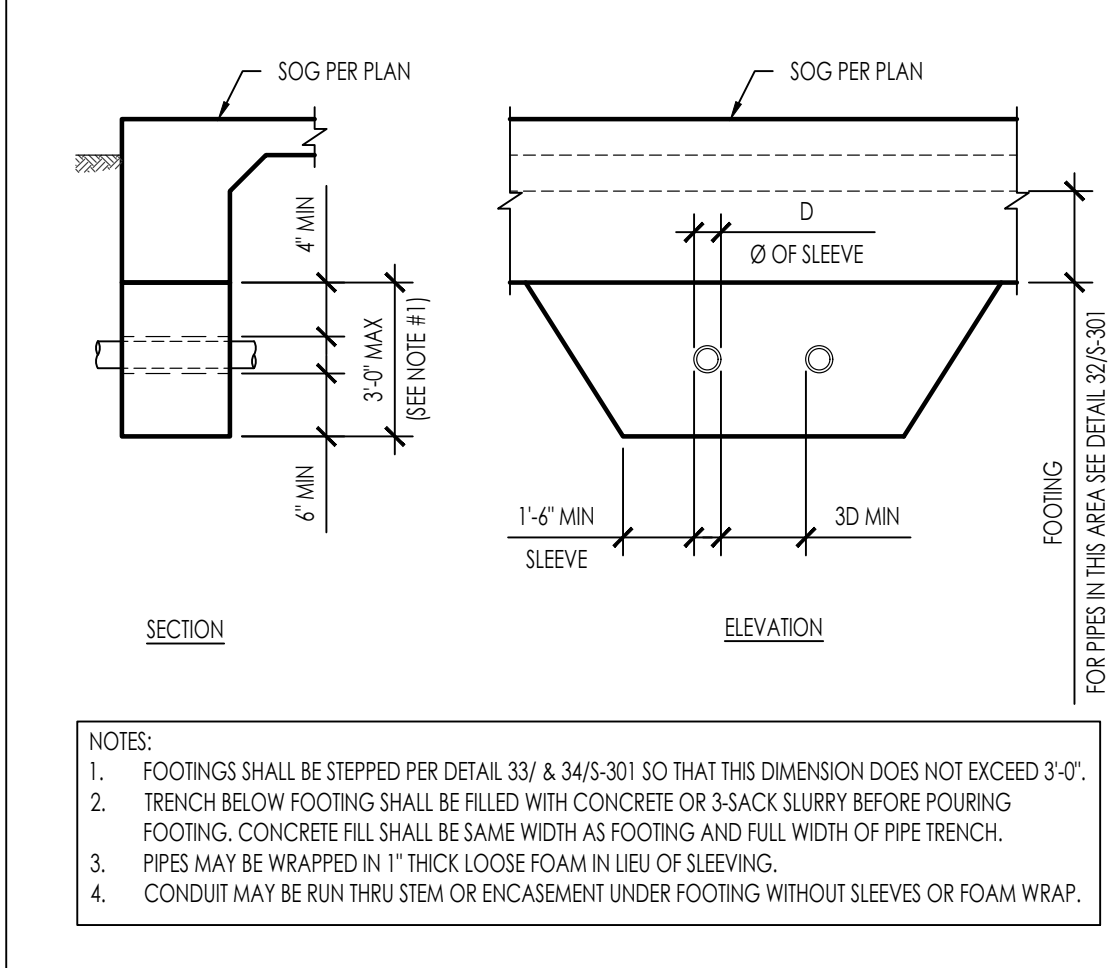


**PIPES PARALLEL TO FOOTINGS** NTS 51



- FOOTINGS SHALL BE STEPPED PER DETAIL 33/ & 34/S-301 SO THAT THIS DIMENSION DOES NOT EXCEED 3'-0"
- CONTRACTOR SHALL COORDINATE ALL PIPE LOCATIONS WITH BUILDING FOUNDATION REQUIREMENTS.
- TRENCH BELOW FOOTING SHALL BE FILLED WITH CONCRETE OR 3-SACK SLURRY BEFORE POURING FOOTING. CONCRETE FILL SHALL BE SAME WIDTH AS FOOTING AND FULL WIDTH OF PIPE TRENCH.
- PIPES MAY BE WRAPPED IN 1" THICK LOOSE FOAM IN LIEU OF SLEEVING.
- CONDUIT MAY BE RUN THRU STEM OR ENCASEMENT UNDER FOOTING WITHOUT SLEEVES OR FOAM WRAP.

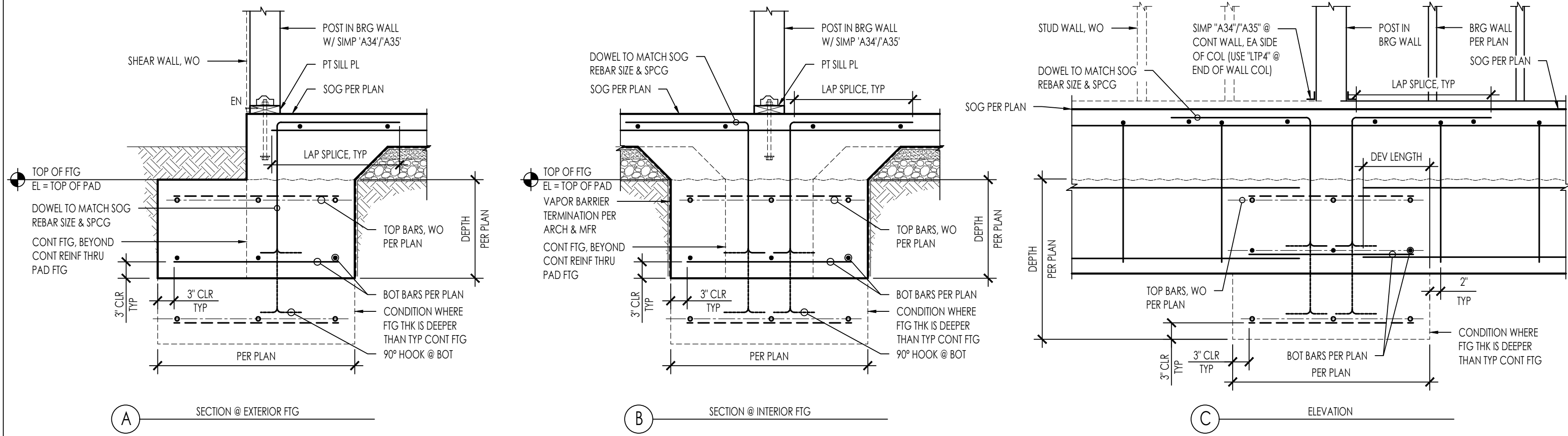
**PIPES PERPENDICULAR TO FOOTINGS** NTS 53



**PIPES PERPENDICULAR TO FOOTINGS** NTS 54

**TYPICAL VERT PIPES OR COND THROUGH FOOTING** NTS 54

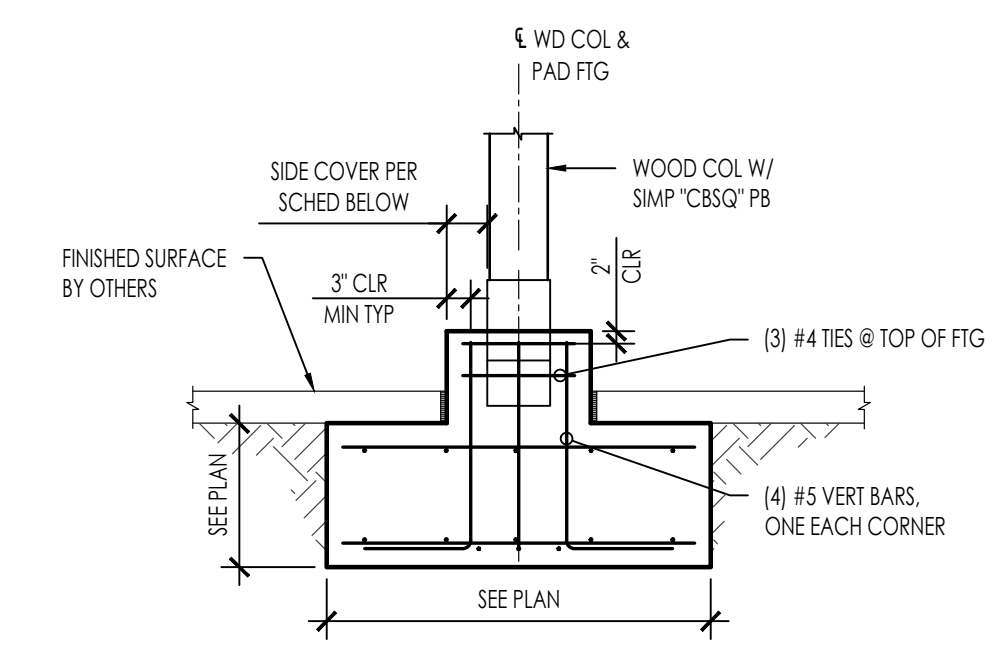
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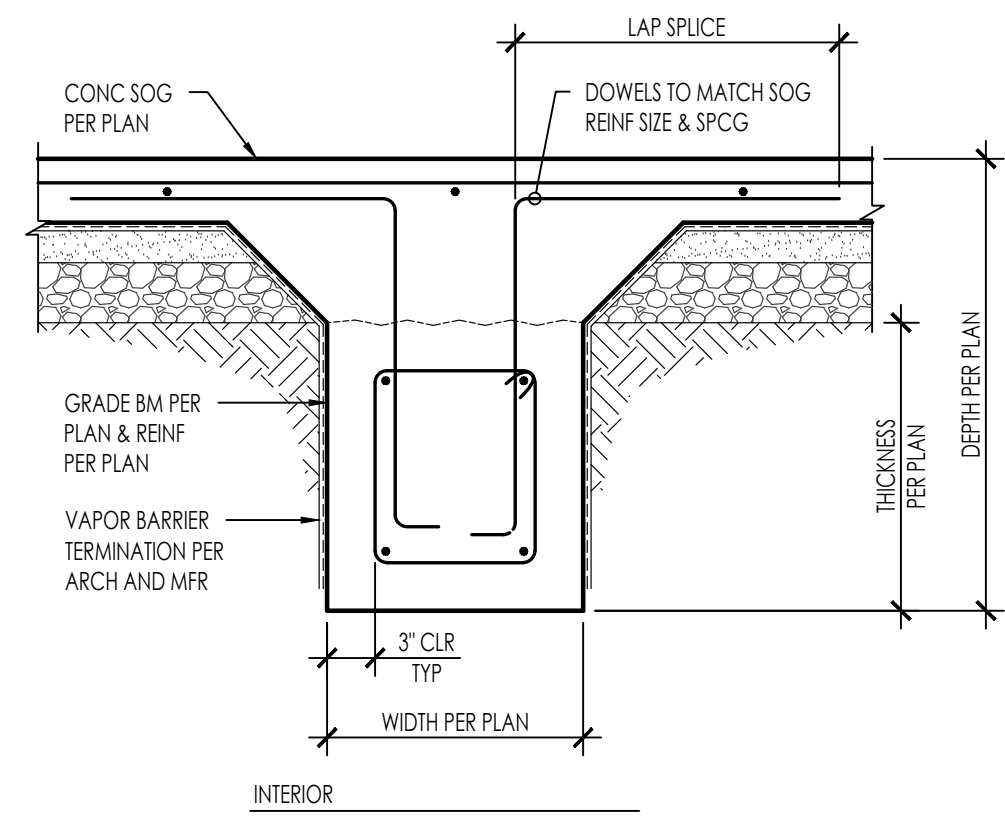
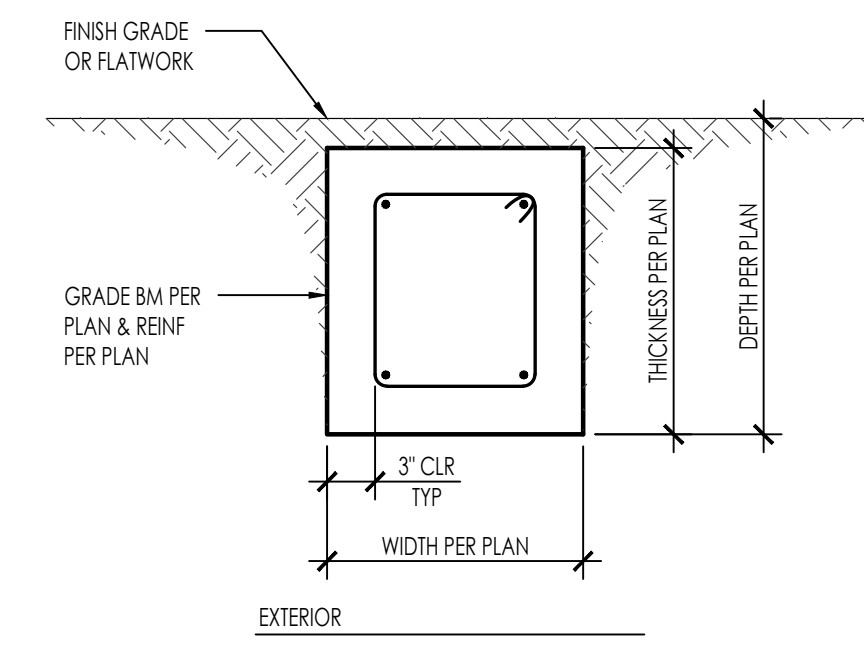
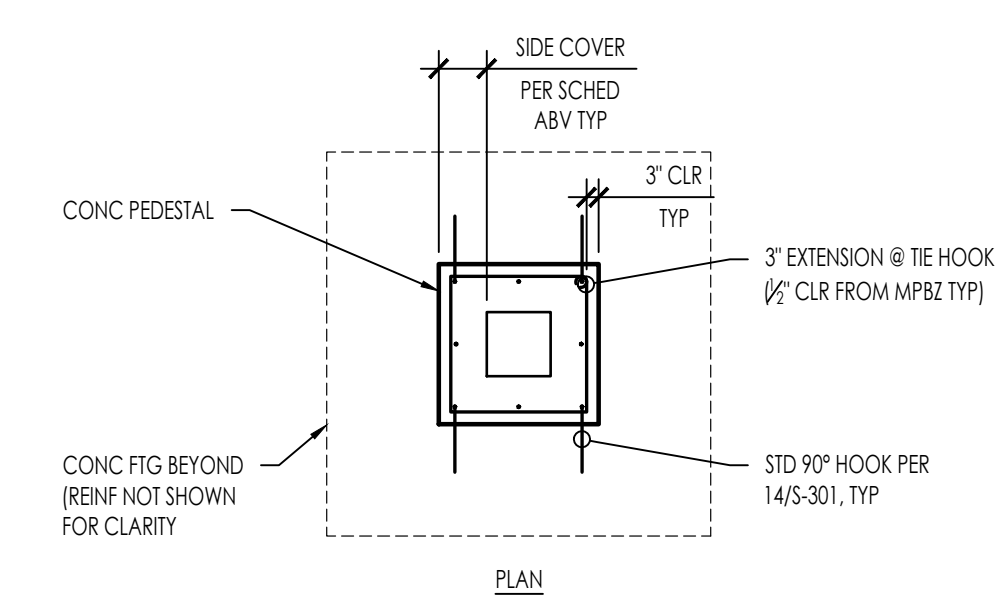
51

41 SPREAD FOOTING @ BEARING WALL POST

11



POST SIZE	MIN. SIDE COVER
4x4	0'-3"
6x6	0'-3"
8x8	0'-3"



52

42

32

53

43

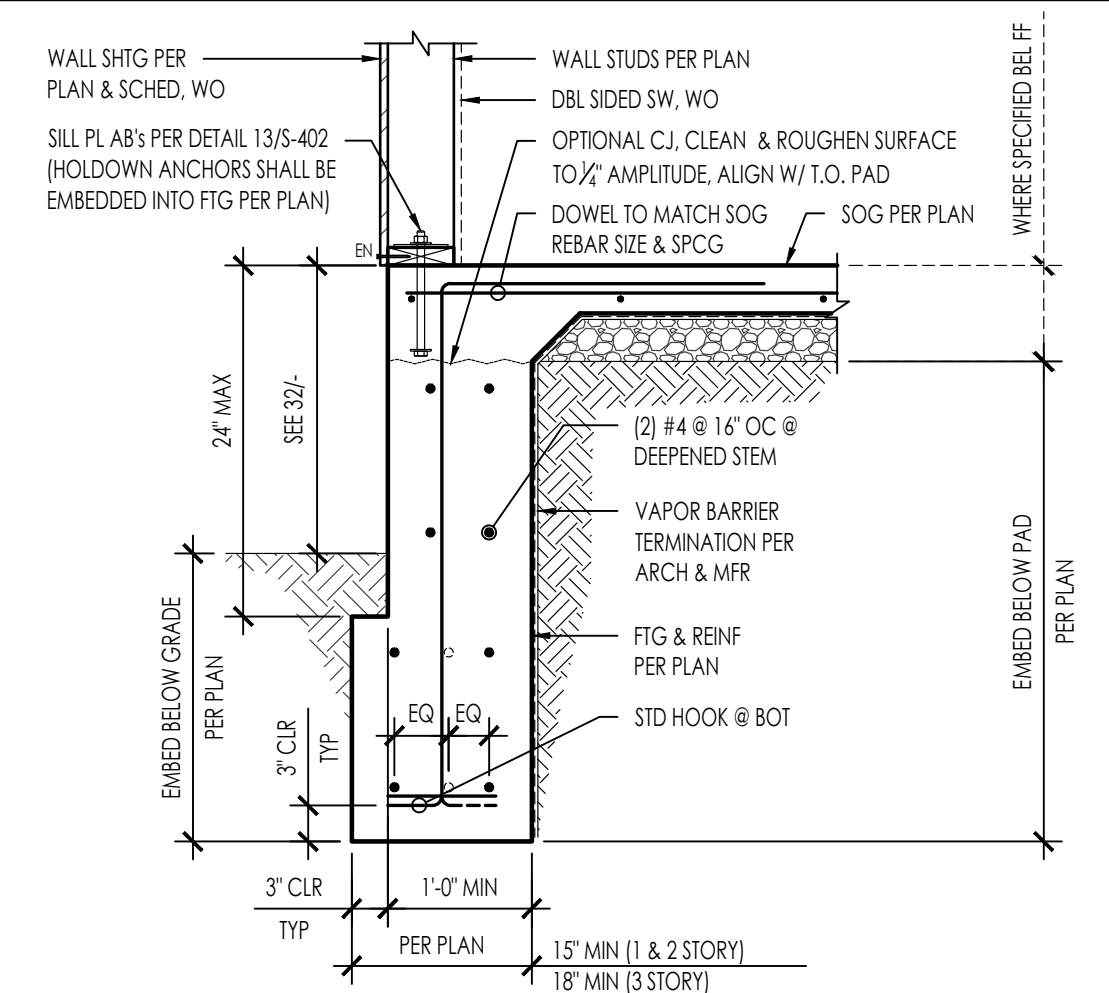
33

PORCH PAD FOOTING

1/2" = 1'-0"

GRADE BEAM

13



54

44

34

DEEPEND EXTERIOR FOOTING

3/4" = 1'-0"

CONSTRUCTION DOCUMENTS

**MONO COUNTY ADU  
PROTOTYPES**  
MONO COUNTY

**CONCRETE DETAILS**

NO.	REVISION	DATE
△		
△		
△		
△		
△		

PROJECT MANAGER  
J. MEADOWS

DRAWN BY  
A. LOPEZ

CHECKED BY  
M. DOREMUS

DATE  
AUGUST 18, 2022

PROJECT NUMBER  
2340-01-CU21

SHEET

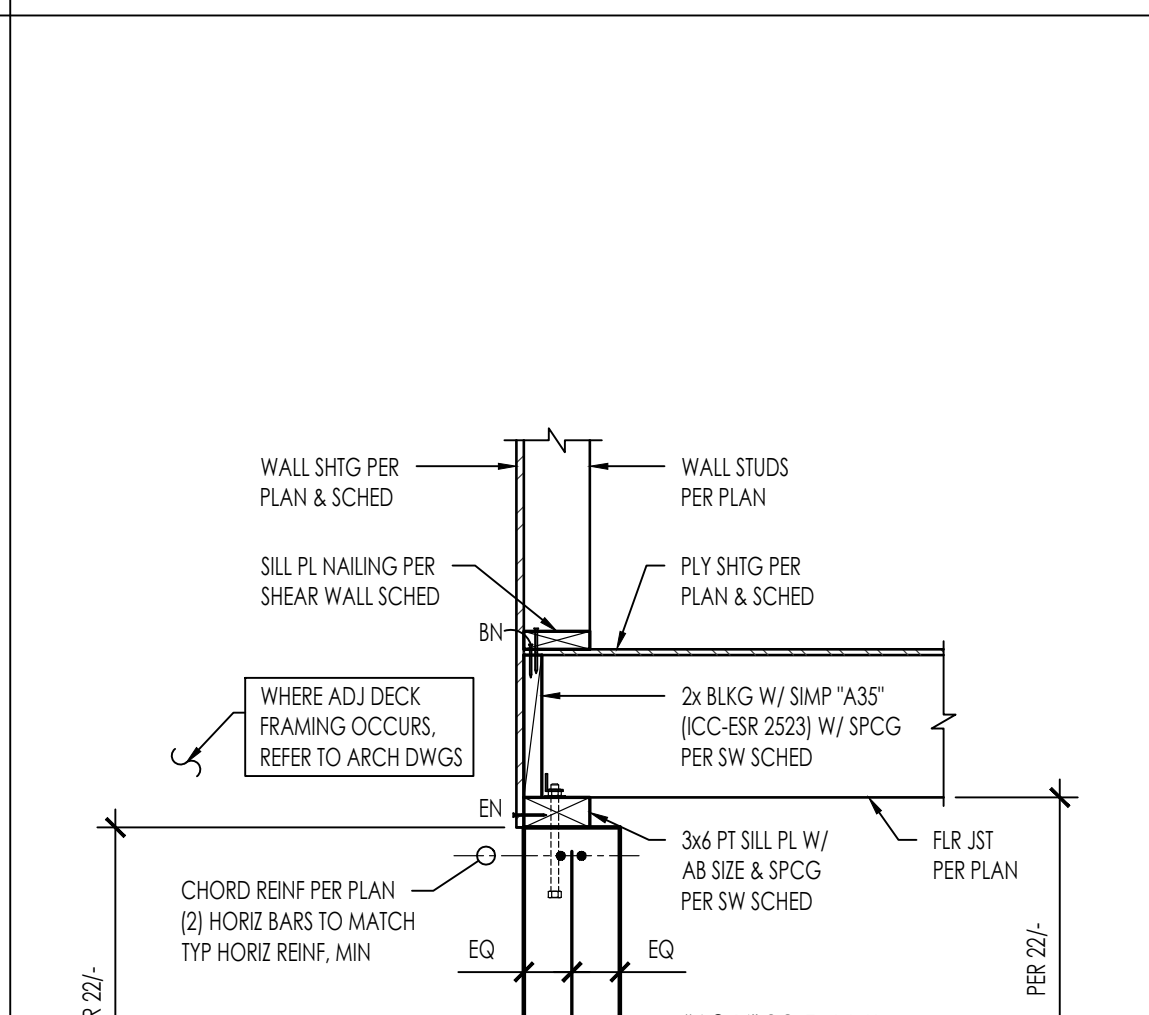
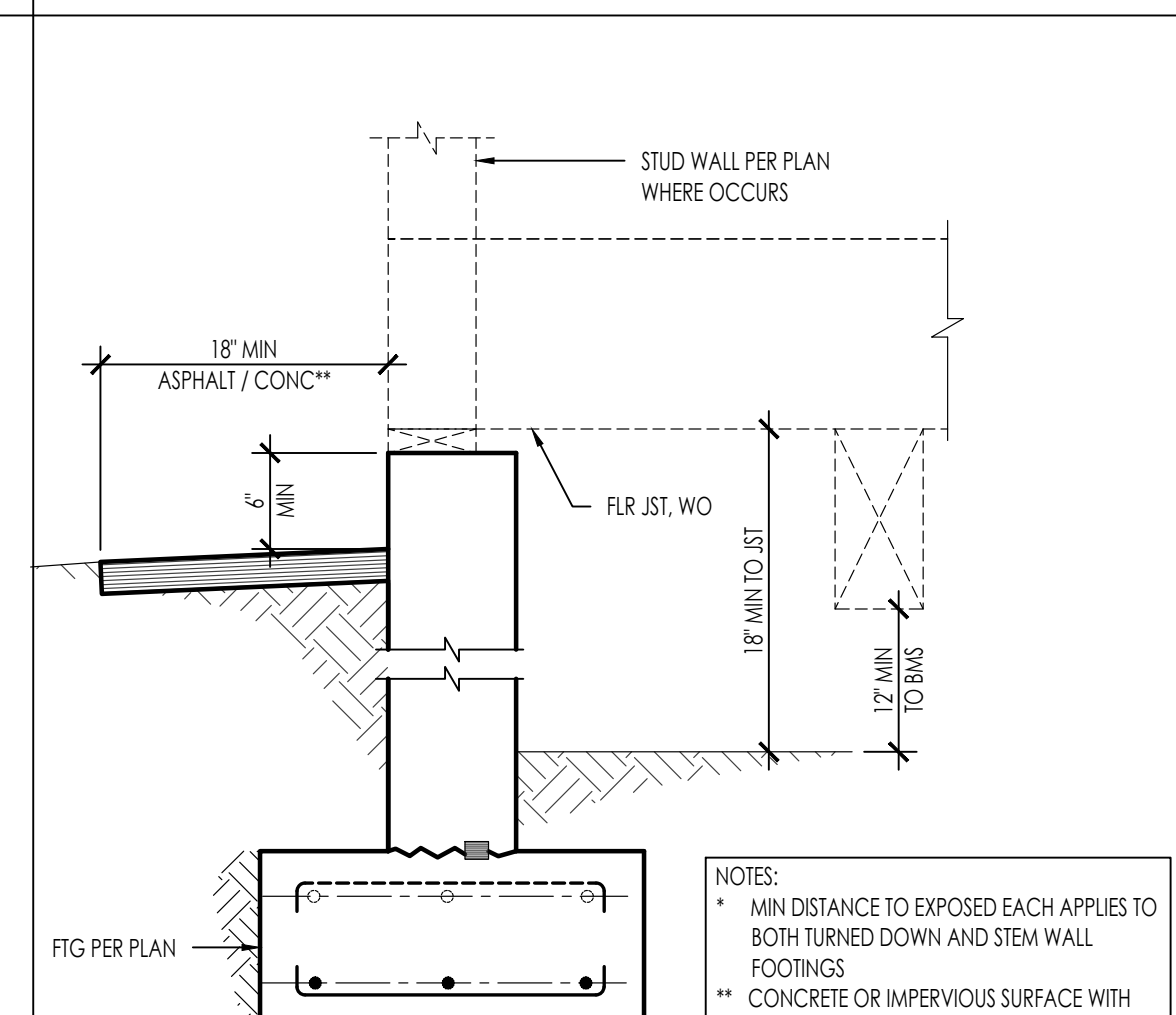
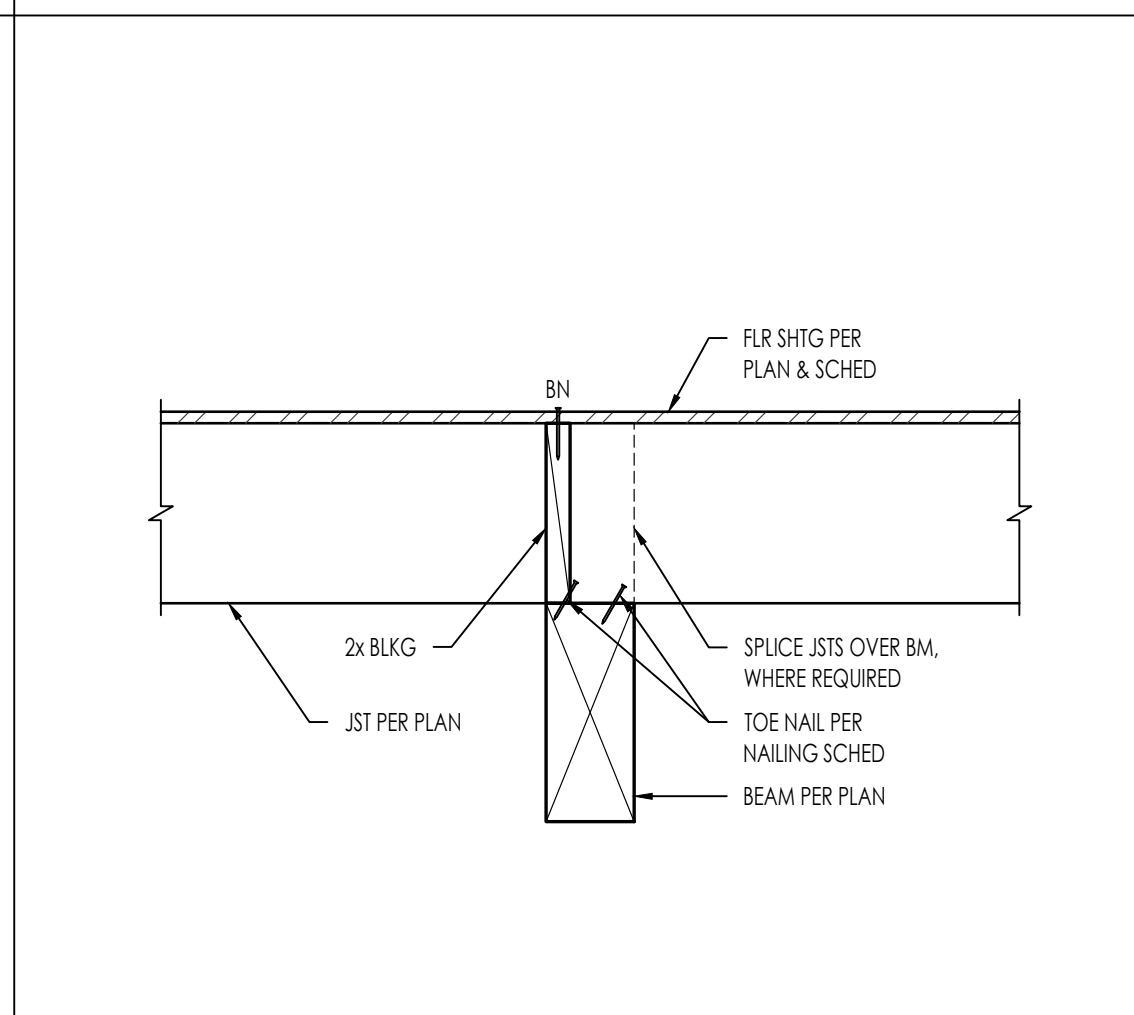
**S-312**

CONSULTANT

AGENCY

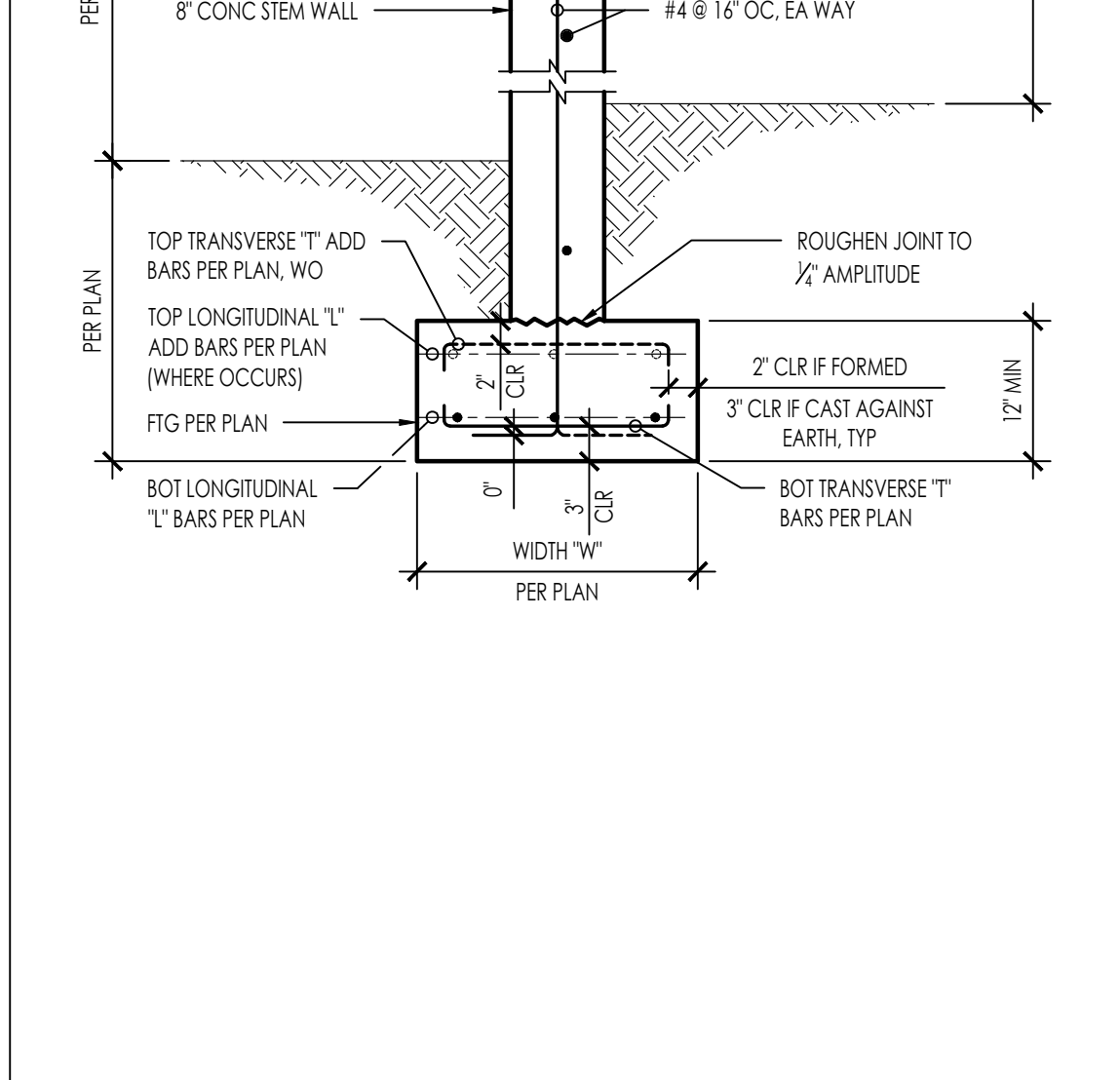
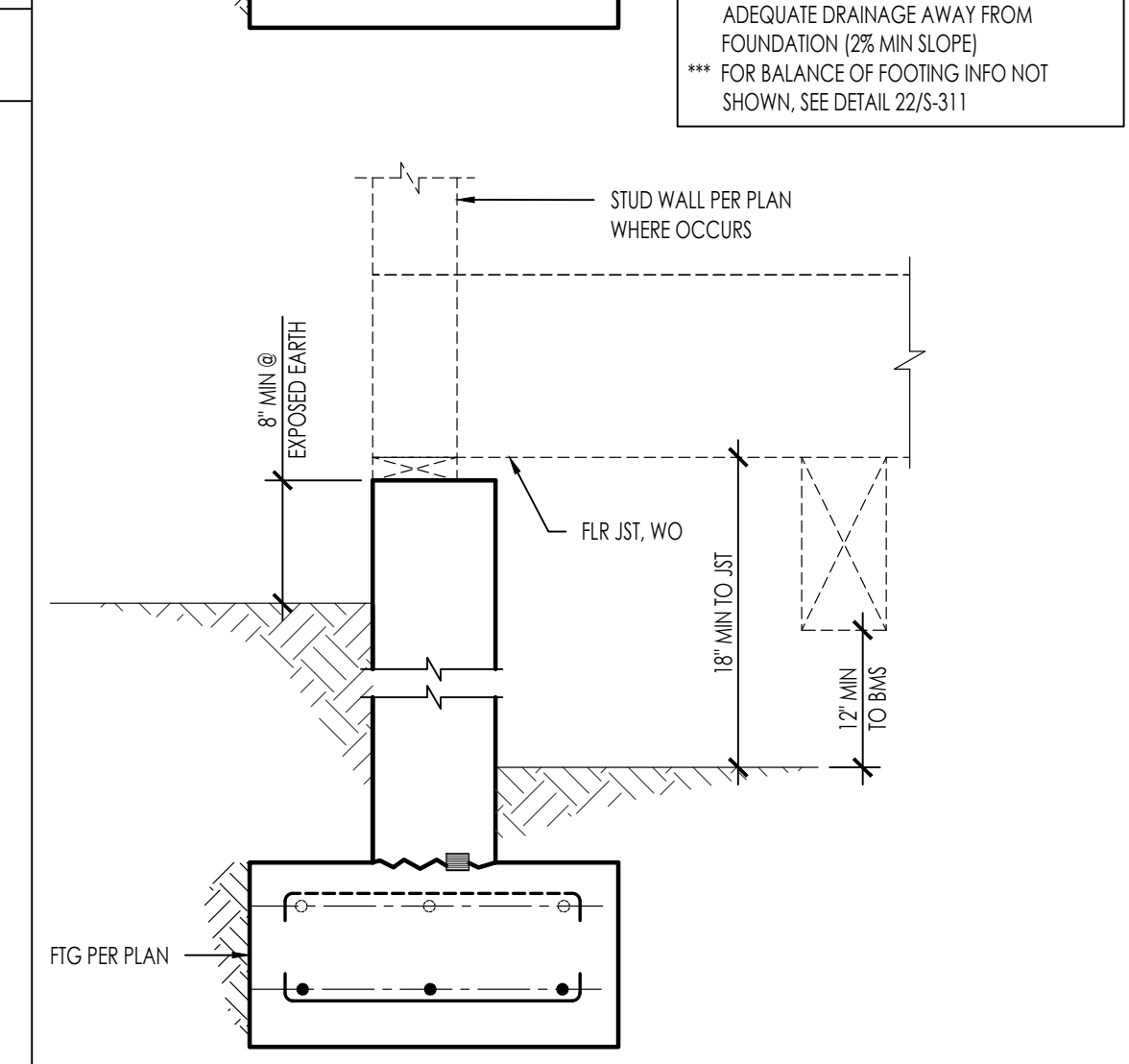
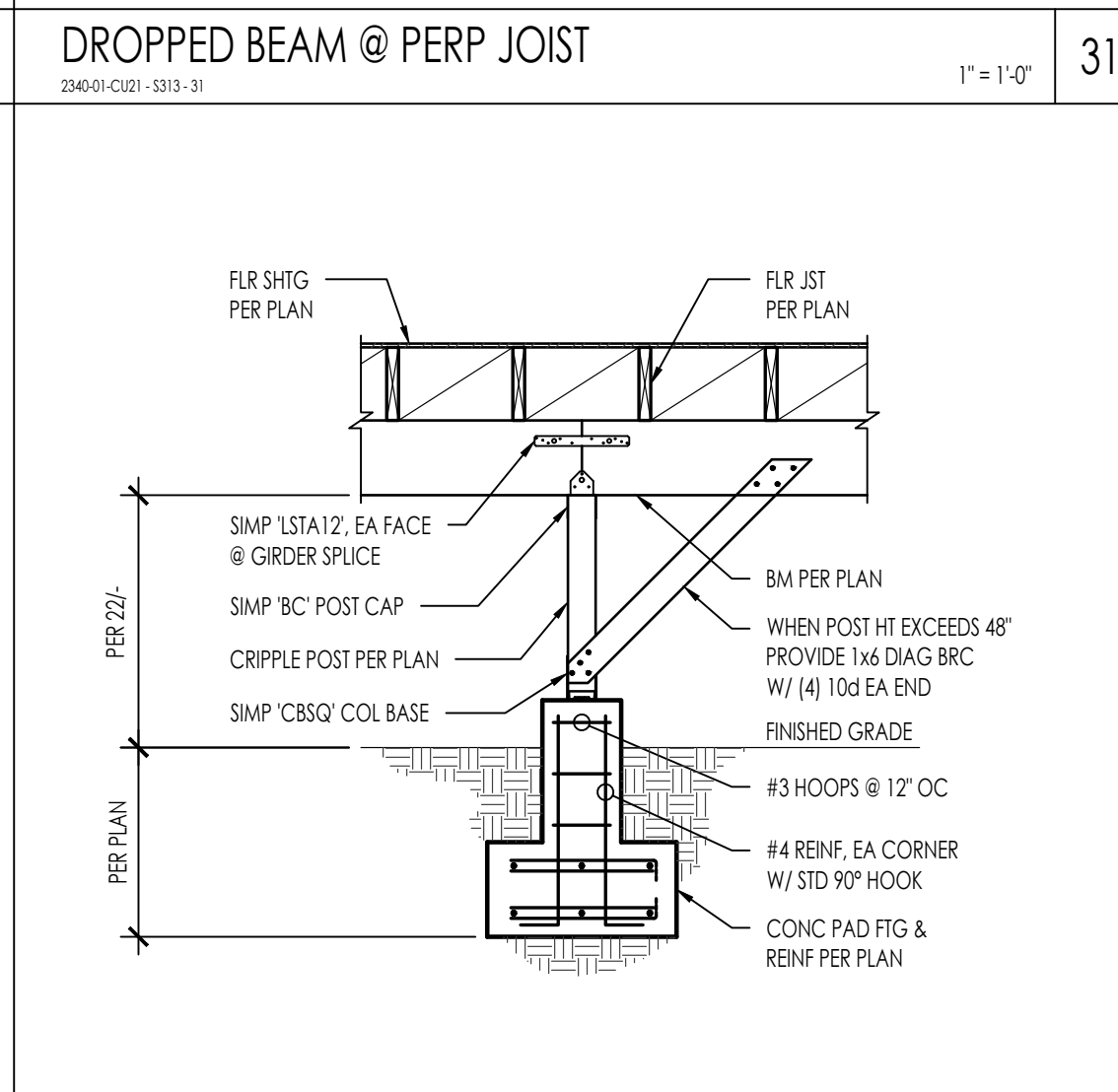
51					
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41	DROPPED BEAM @ PERP JOIST	1" = 1'-0"	31
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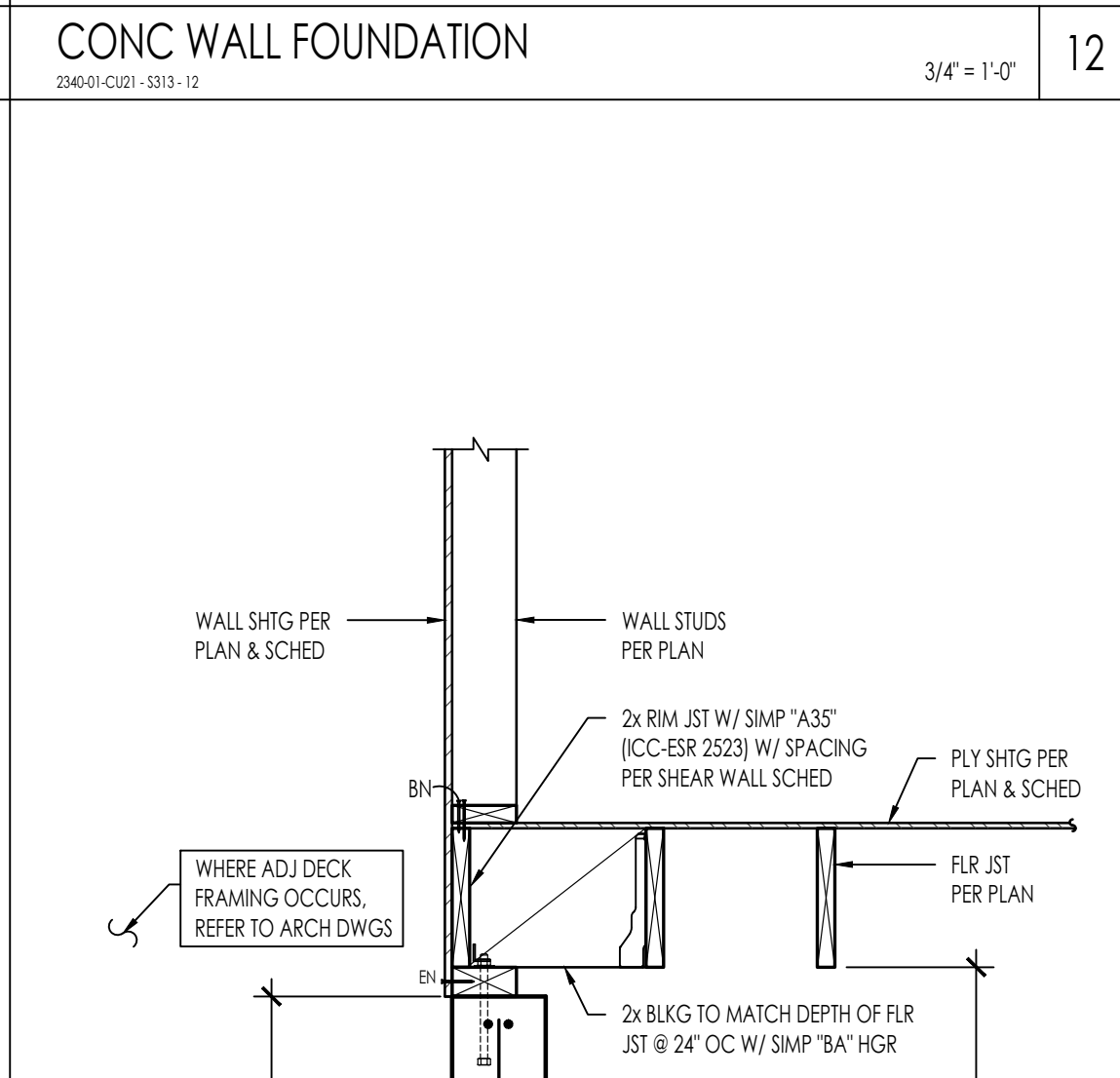
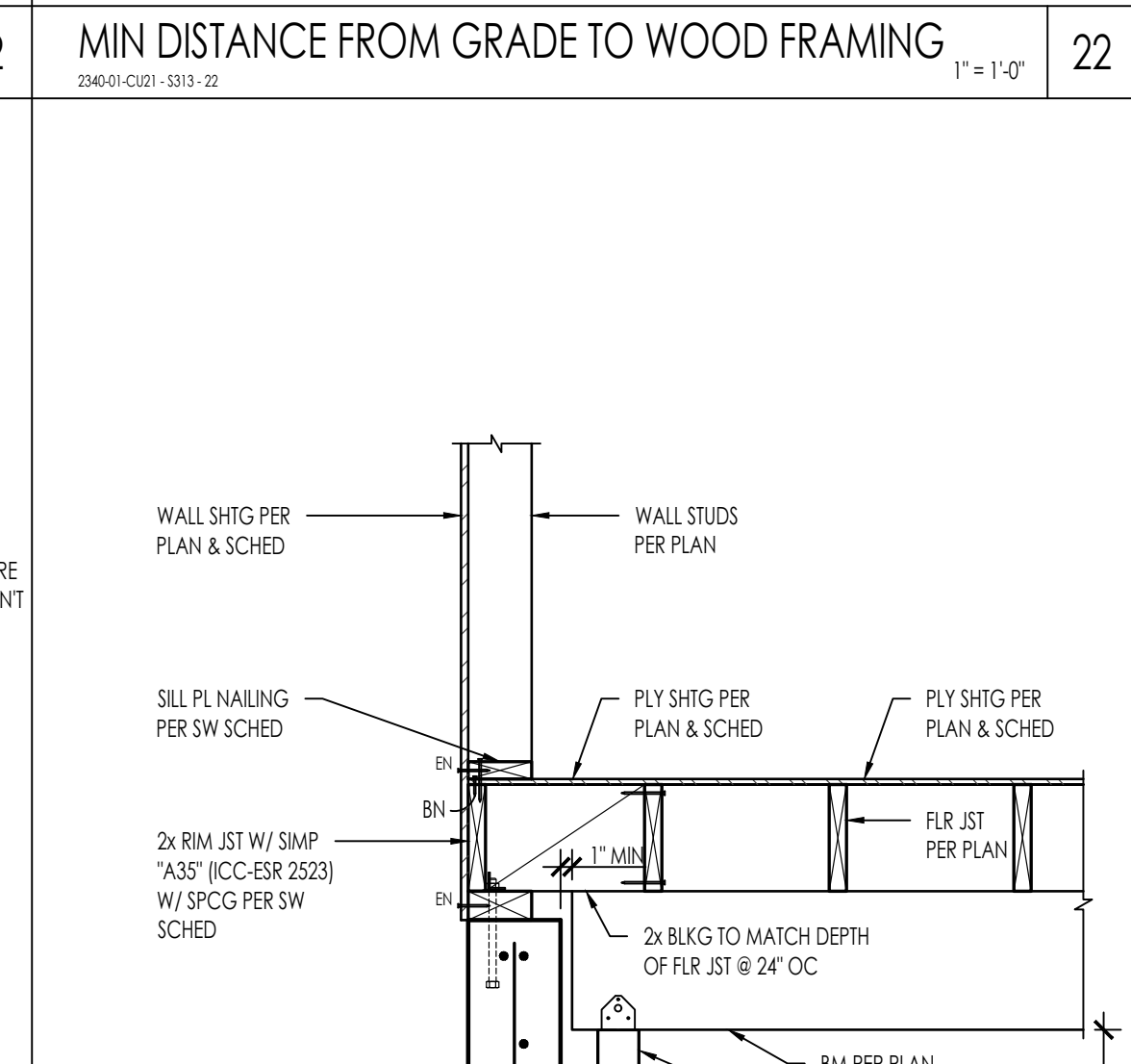
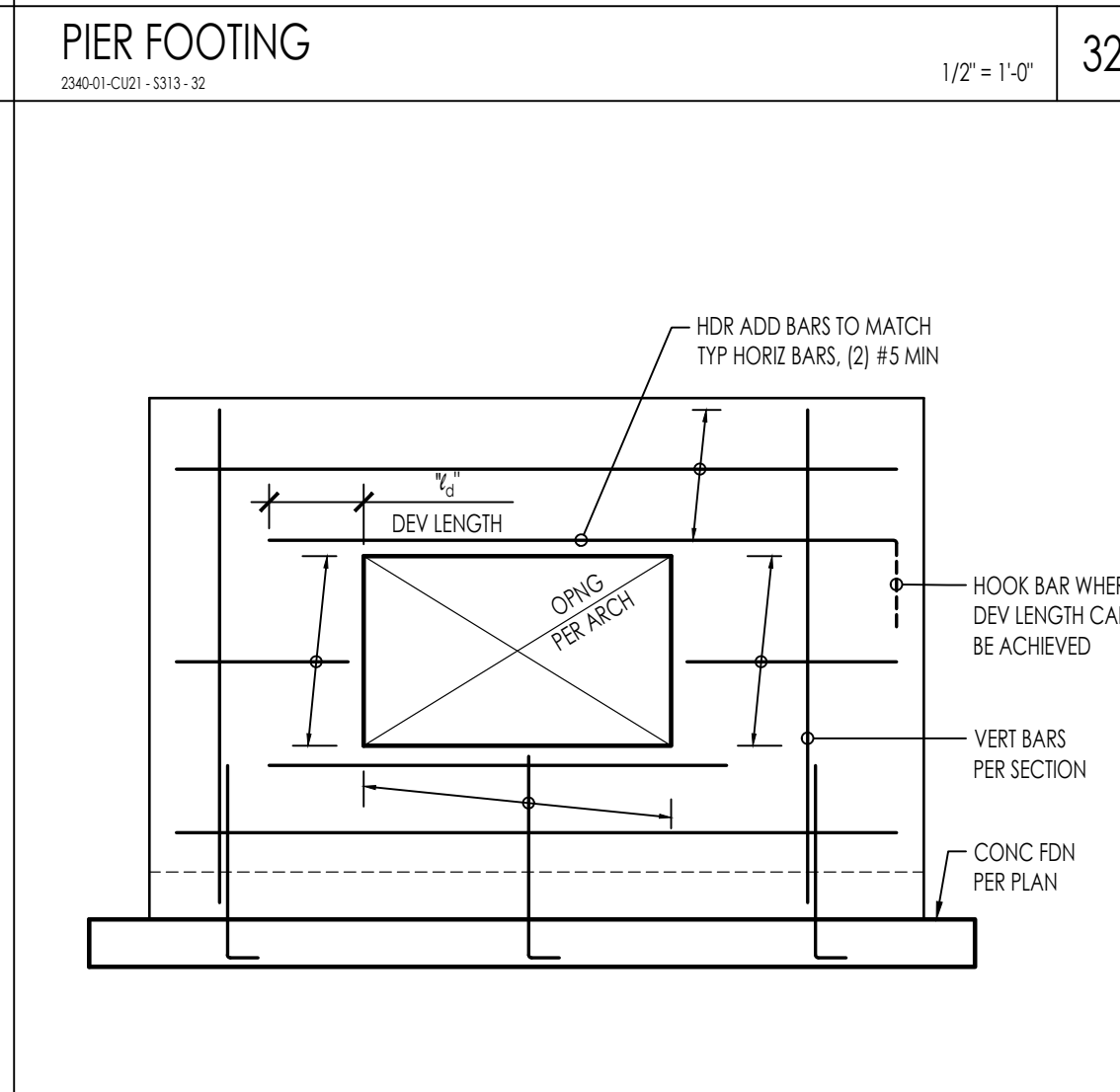
52					
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42	PIER FOOTING	1/2" = 1'-0"	32
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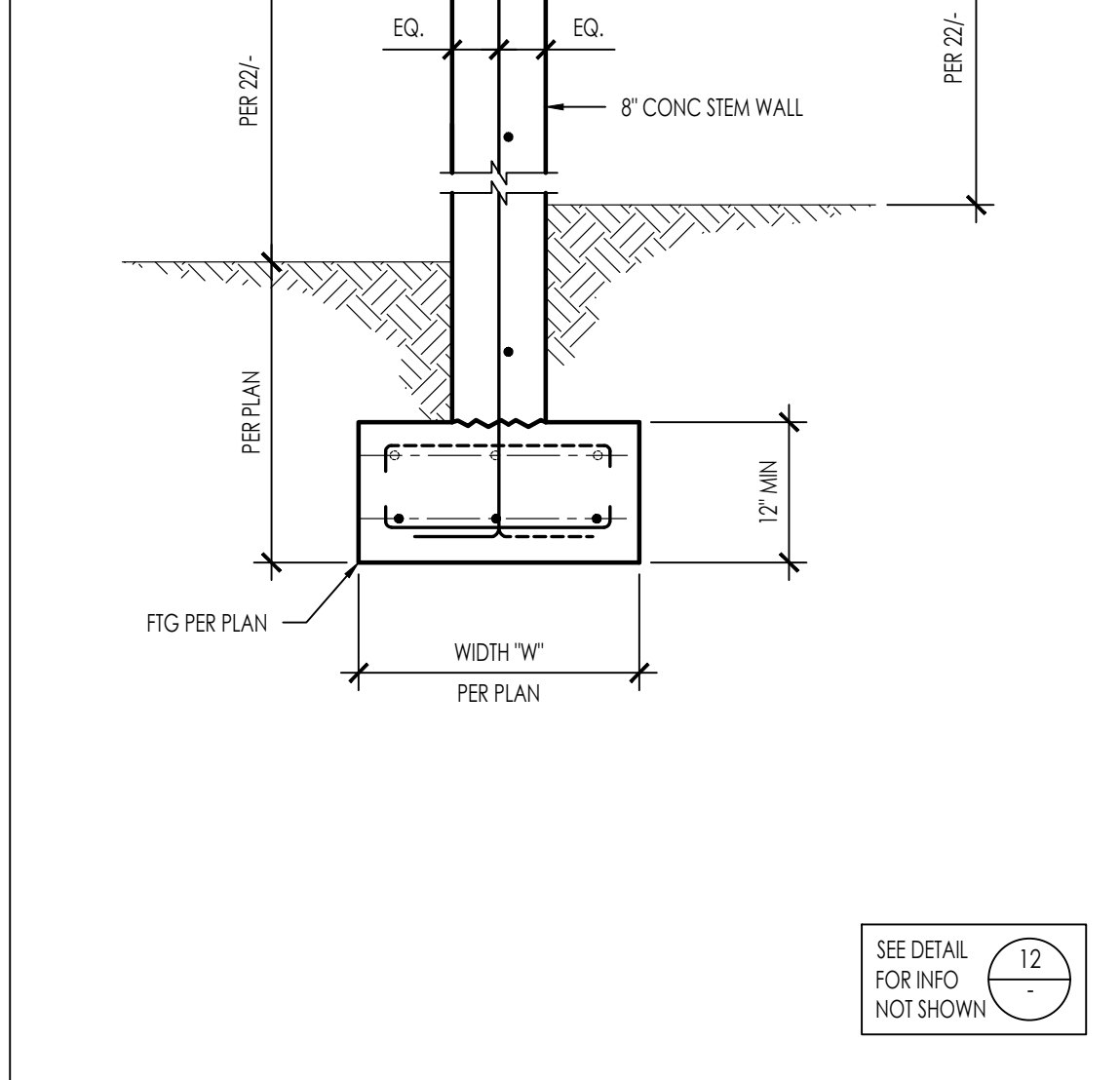
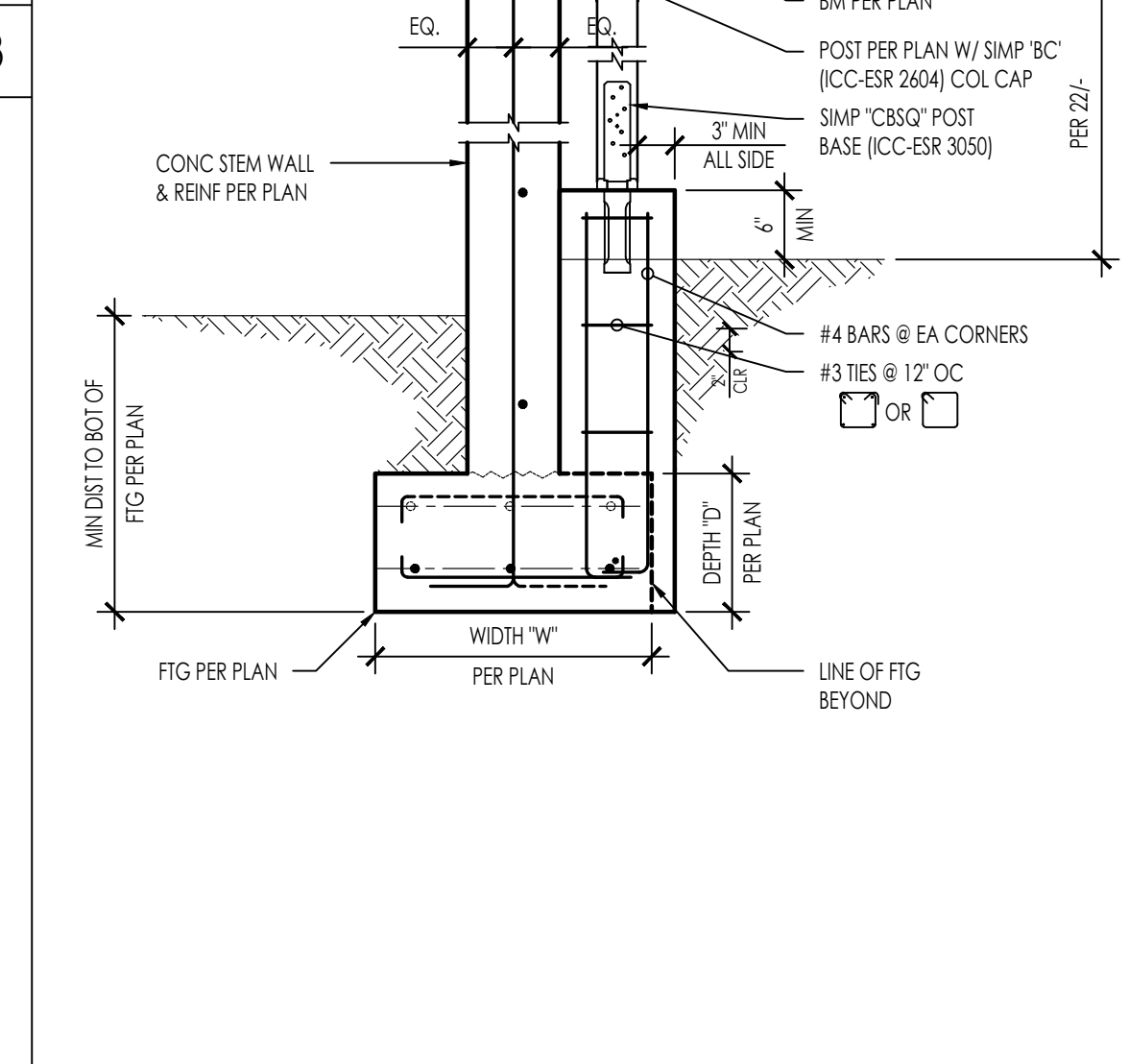
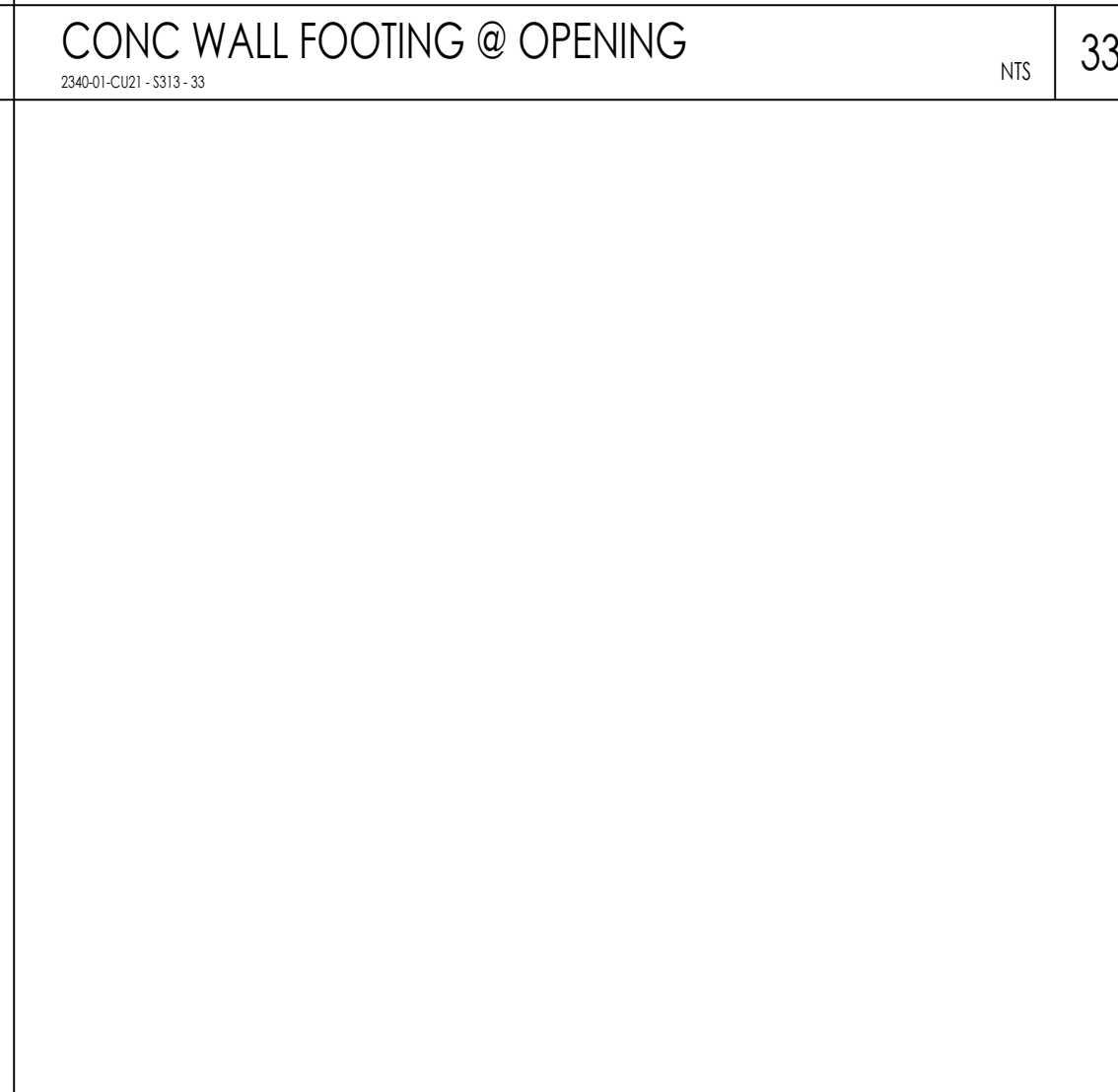
53					
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43	CONC WALL FOOTING @ OPENING	NTS	33
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54					
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44					
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CONSTRUCTION DOCUMENTS

**MONO COUNTY ADU  
PROTOTYPES**  
MONO COUNTY

**CONCRETE DETAILS**

NO.	REVISION	DATE

PROJECT MANAGER  
J. MEADOWS

DRAWN BY  
A. LOPEZ

CHECKED BY  
M. DOREMUS

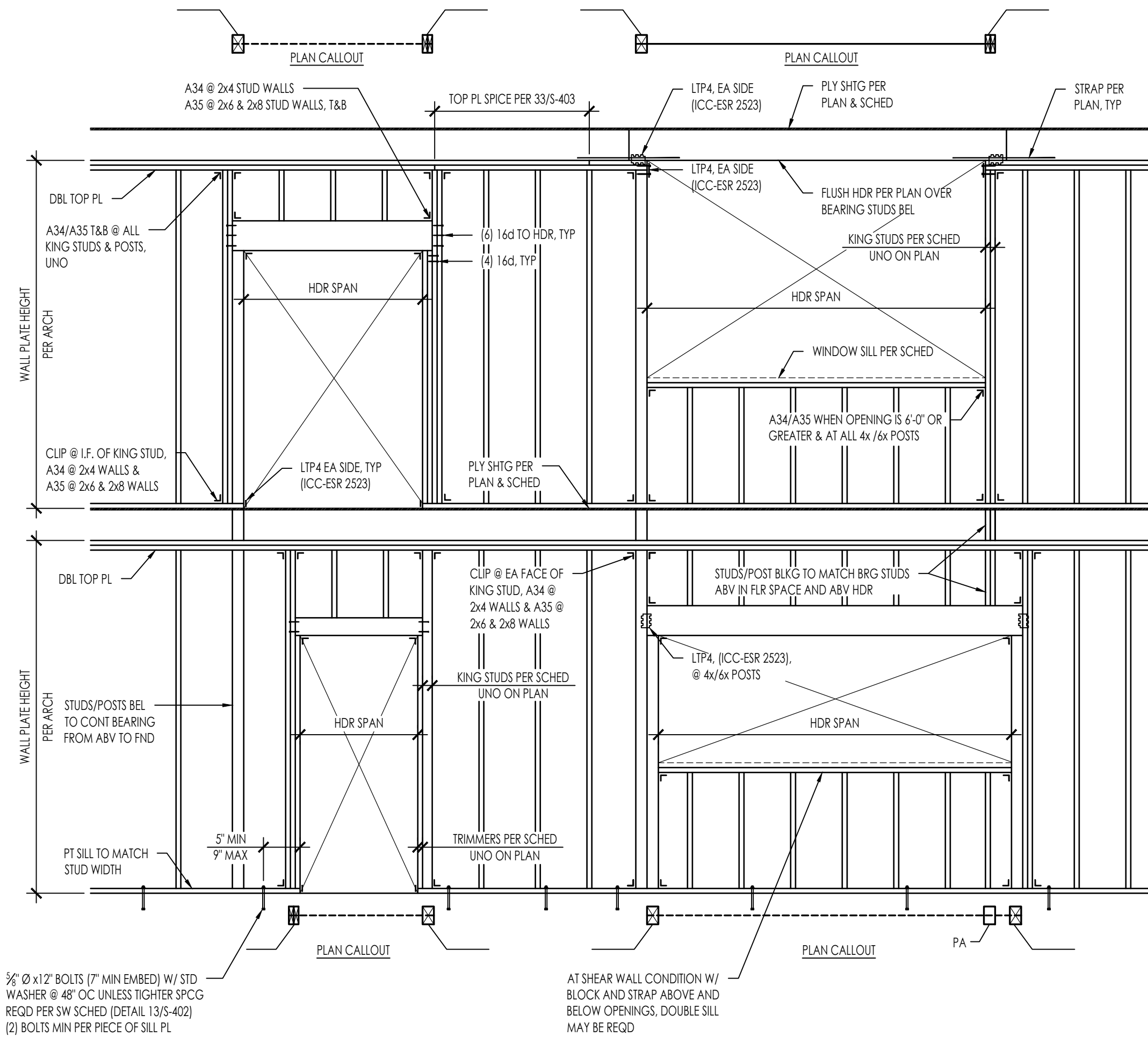
DATE  
AUGUST 18, 2022

PROJECT NUMBER  
2340-01-CU21

SHEET

S-313

BEARING/SHEAR WALL HEADER SCHEDULE					
SNOW LOAD		6 INCH WALLS			
1-STORY	OPENING WIDTH	6x4	SILL AT WINDOW	2x	2x6
	UP TO 3'-0"	6x6	2x	2x6	2x6
	3'-0" - 4'-0"	6x8	(2) 2x	2x6	(2) 2x6
1-STORY	OPENING WIDTH	6x6	SILL AT WINDOW	2x	2x6
	UP TO 3'-0"	6x8	2x	2x6	2x6
	3'-0" - 4'-0"	6x10	(2) 2x	2x6	(2) 2x6
1-STORY	OPENING WIDTH	6x8	SILL AT WINDOW	2x	2x6
	UP TO 3'-0"	6x10	2x	2x6	2x6
	3'-0" - 4'-0"	6x12	(2) 2x	4x6	(2) 2x6



- NOTES:
- THIS DETAIL APPLIES AT ALL EXT WALLS AND INT LOAD BEARING WALLS AND ALSO APPLIES TO SHEAR WALL FRAMING.
    - A. FOR SHEAR WALLS SEE 3415-402 FOR ADDL REQUIREMENTS.
    - B. FOR INTERIOR NON-BEARING PARTITIONS SEE DETAIL 431.
  - HEADERS, KING STUDS AND OTHER REFERENCES ON PLAN GOVERN OVER THIS TYPICAL SCHED/DETAILS.
  - PROVIDE A34 @ 4" WALLS & A35 @ 6" OR GREATER WALLS (ICC-ESR 2353).

EXTERIOR WALL / INTERIOR WALL BEARING WALL FRAMING

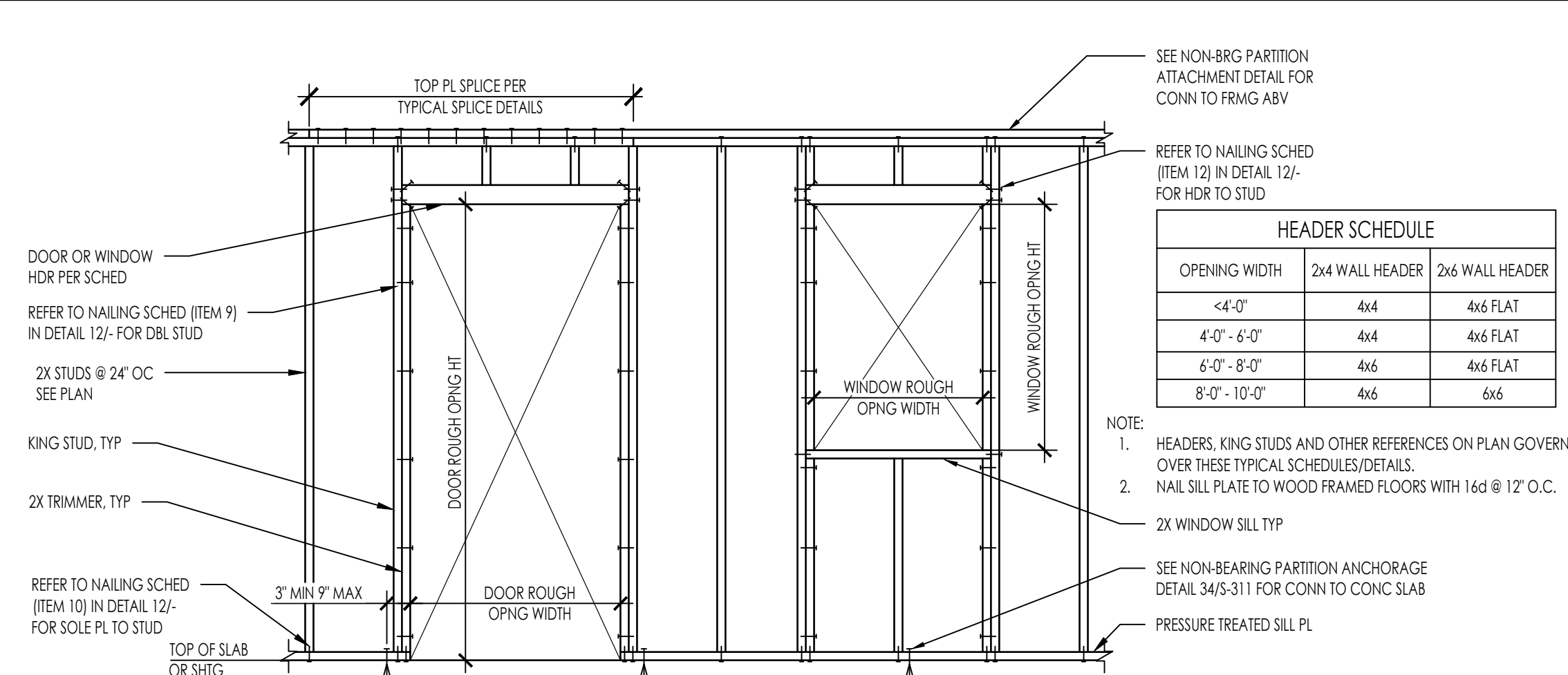
234601-CU21-1401-32

NTS 32

NAILING SCHEDULE

234601-CU21-1401-12

- NOTES:
- THIS NAILING SCHEDULE SHALL ONLY BE USED IF CONDITION IS NOT OTHERWISE DETAILED OR SPECIFIED ON THE CONSTRUCTION DOCUMENTS. COMMON NAILS SHALL BE USED EXCEPT WHERE OTHERWISE STATED.
  - WHERE A RAFTER IS FASTENED TO AN ADJACENT PARALLEL CEILING JOIST IN ACCORDANCE WITH THIS SCHEDULE AND THE CEILING JOIST IS FASTENED TO THE TOP PLATE IN ACCORDANCE WITH THIS SCHEDULE, THE NUMBER OF TOENAILS IN THE RAFTER SHALL BE PERMITTED TO BE REDUCED BY ONE NAIL.



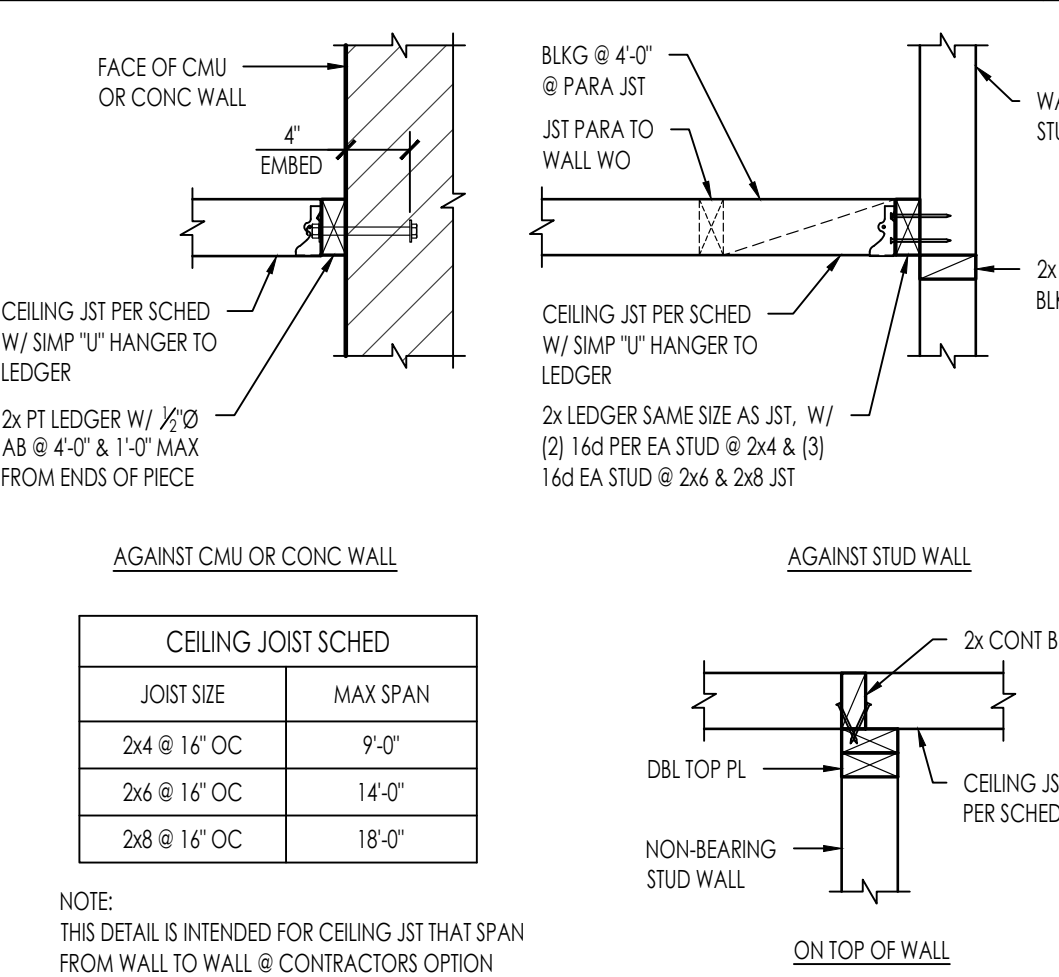
INTERIOR NON-BEARING PARTITION WALL FRAMING

234601-CU21-1401-43

NTS 43

CEILING JOIST SCHED & DETAILS

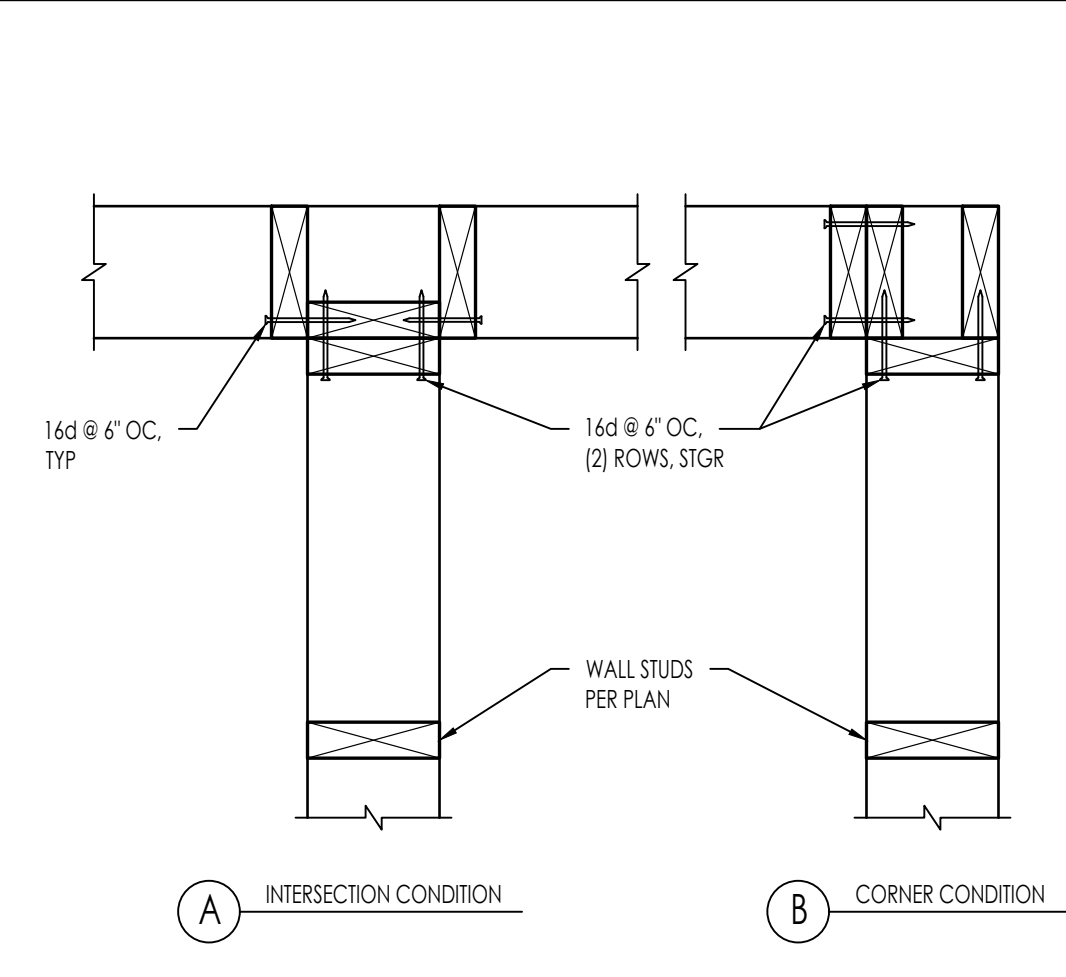
234601-CU21-1401-23



NTS 33

TYPICAL WOOD STUD INTERSECTIONS

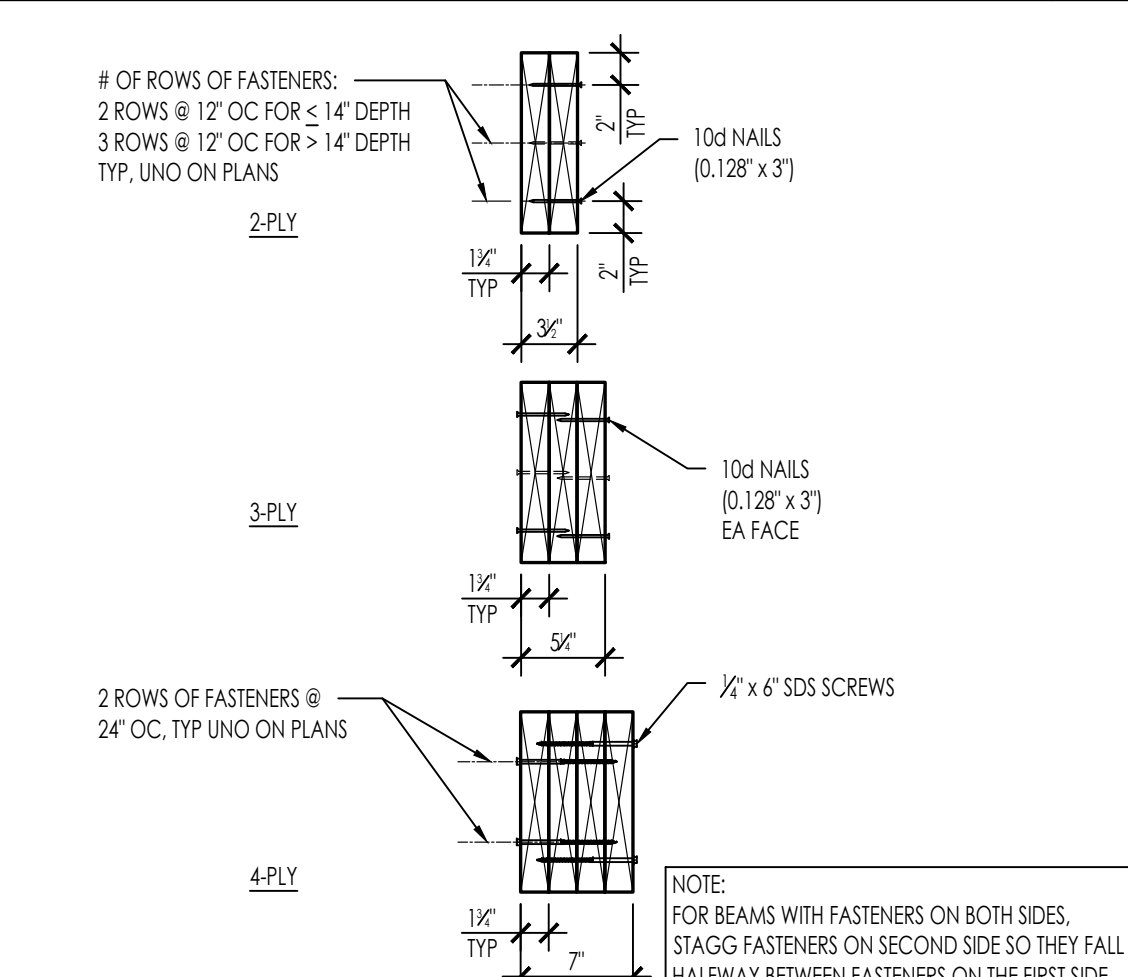
234601-CU21-1401-23



NTS 23

MULTI-PLY MEMBER CONNECTION

234601-CU21-1401-13



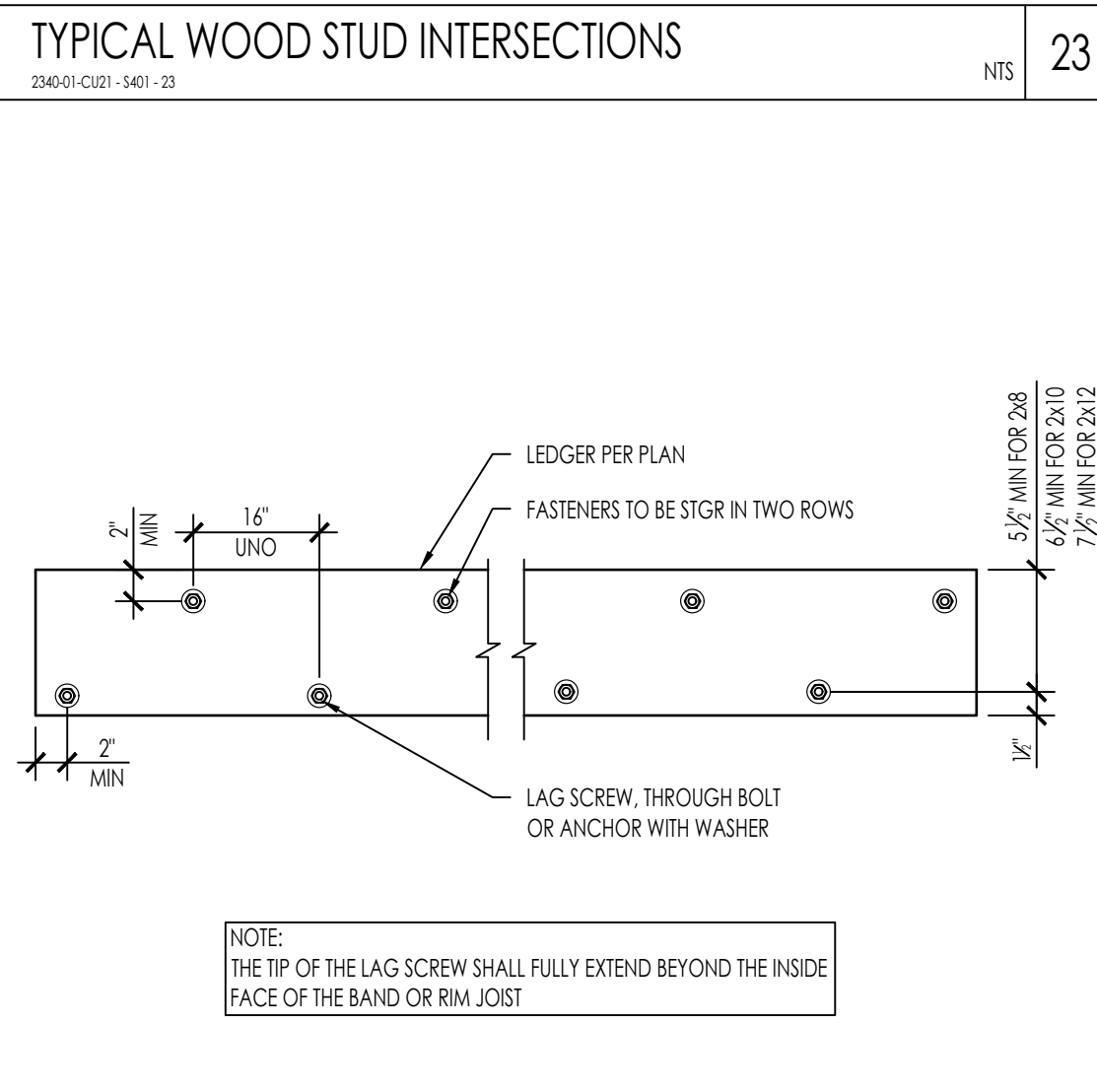
NTS 13

54

44

LEDGER DETAIL

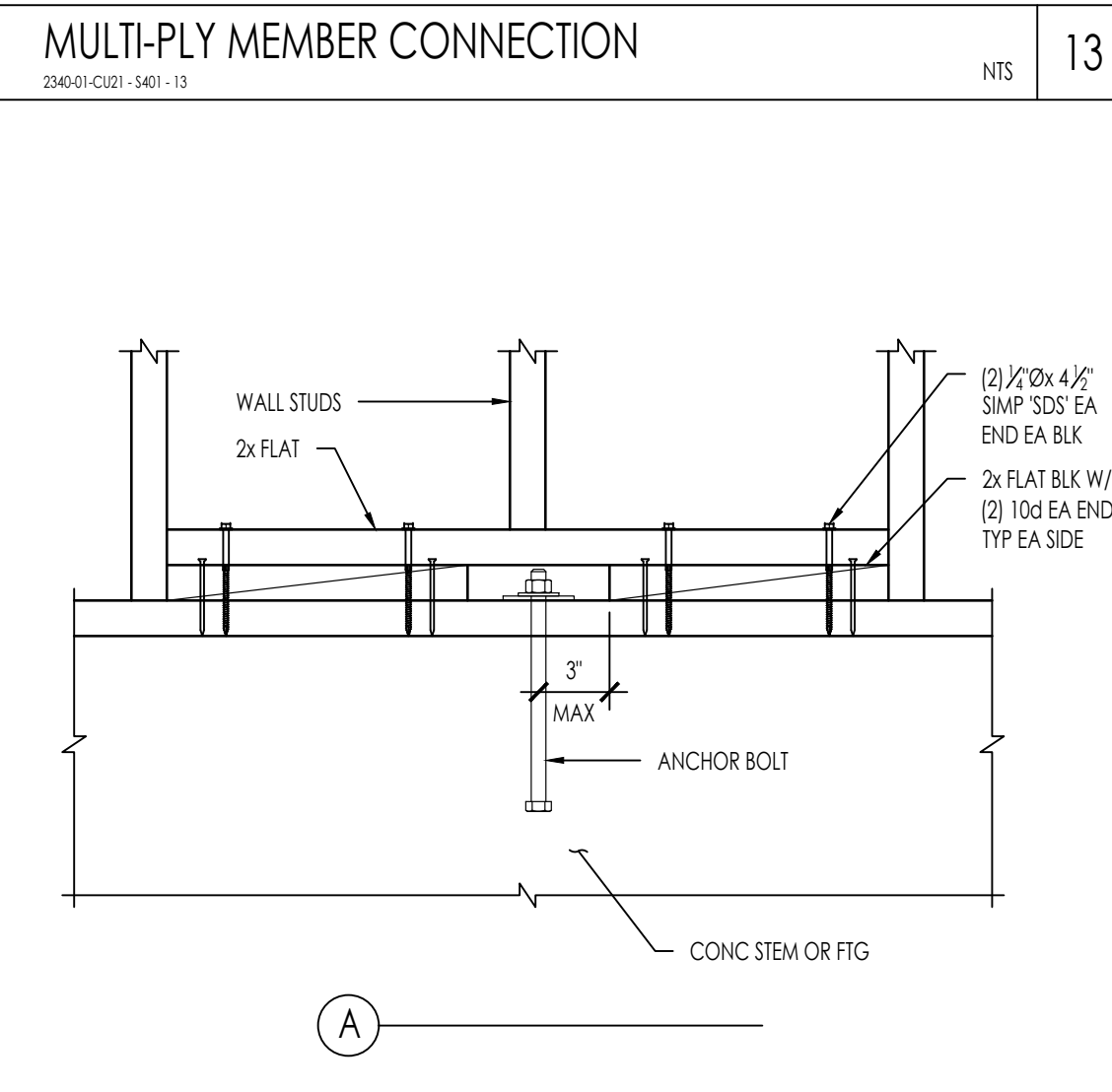
234601-CU21-1401-24



NTS 24

ANCHOR BOLT AT WOOD STUD

234601-CU21-1401-14



NTS 14

CONSULTANT

AGENCY

MONO COUNTY ADU  
PROTOTYPES  
MONO COUNTY

TYPICAL WOOD DETAILS

NO.	REVISION	DATE

PROJECT MANAGER  
J. MEADOWS  
DRAWN BY  
A. LOPEZ  
CHECKED BY  
M. DOREMUS  
DATE  
AUGUST 18, 2022  
PROJECT NUMBER  
2340-01-CU21  
SHEET

S-401



CONSULTANT

AGENCY

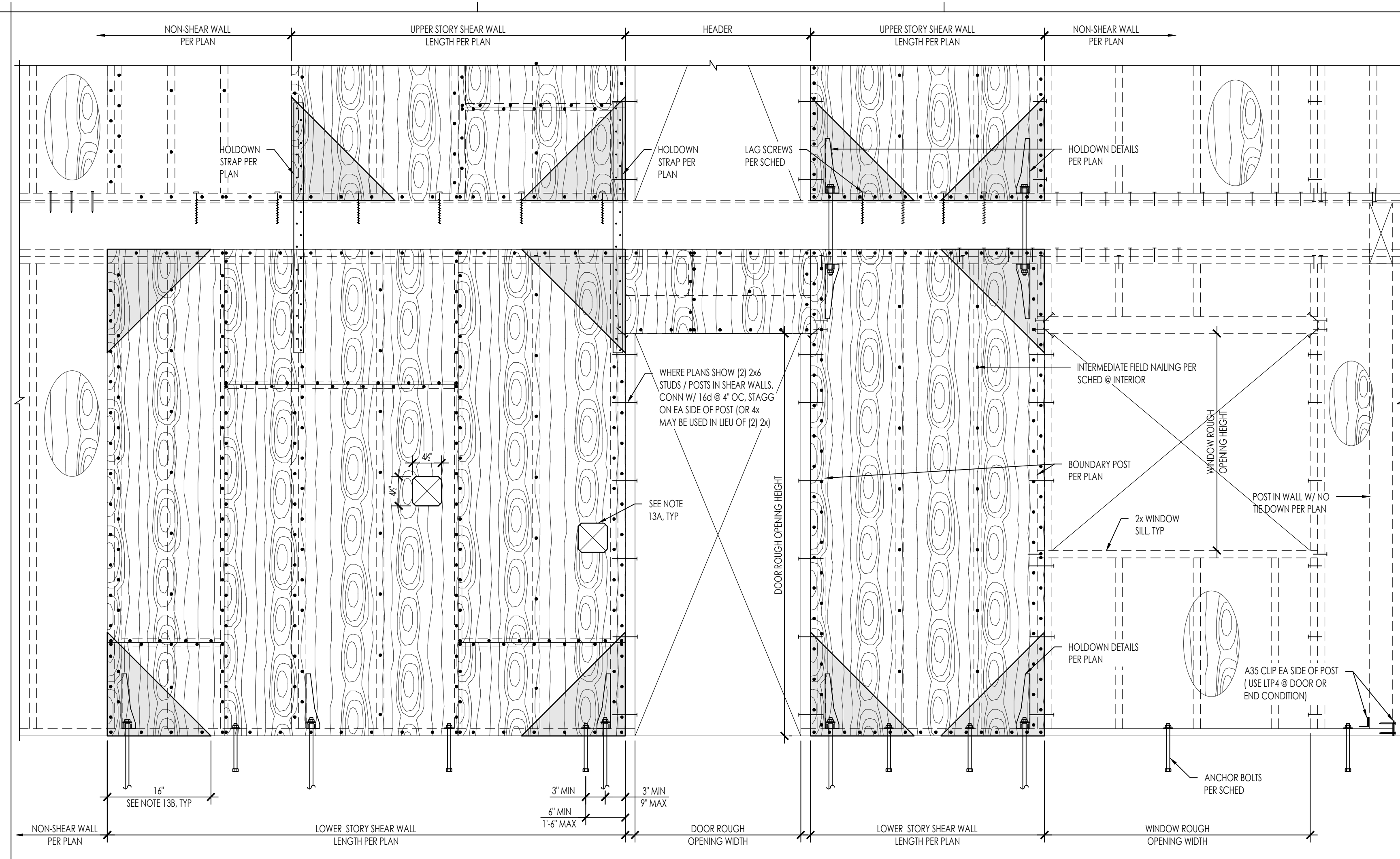
**MONO COUNTY ADU  
PROTOTYPES**  
MONO COUNTY  
TYPICAL WOOD DETAILS

NO.	REVISION	DATE

**PROJECT MANAGER**  
J. MEADOWS  
**DRAWN BY**  
A. LOPEZ  
**CHECKED BY**  
M. DOREMUS  
**DATE**  
AUGUST 18, 2022  
**PROJECT NUMBER**  
2340-01-CU21  
**SHEET**

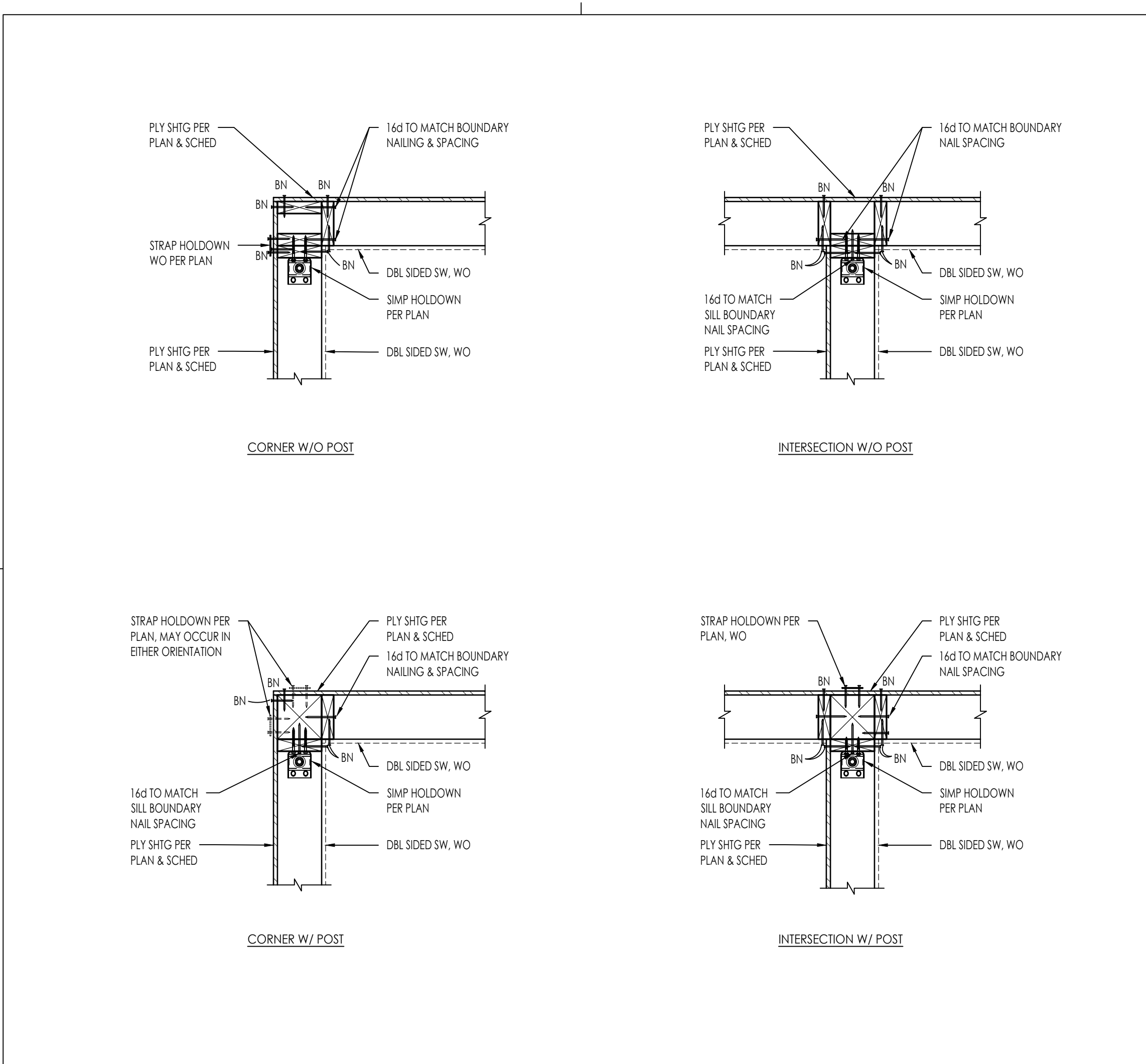
**S-402**

CONSTRUCTION DOCUMENTS

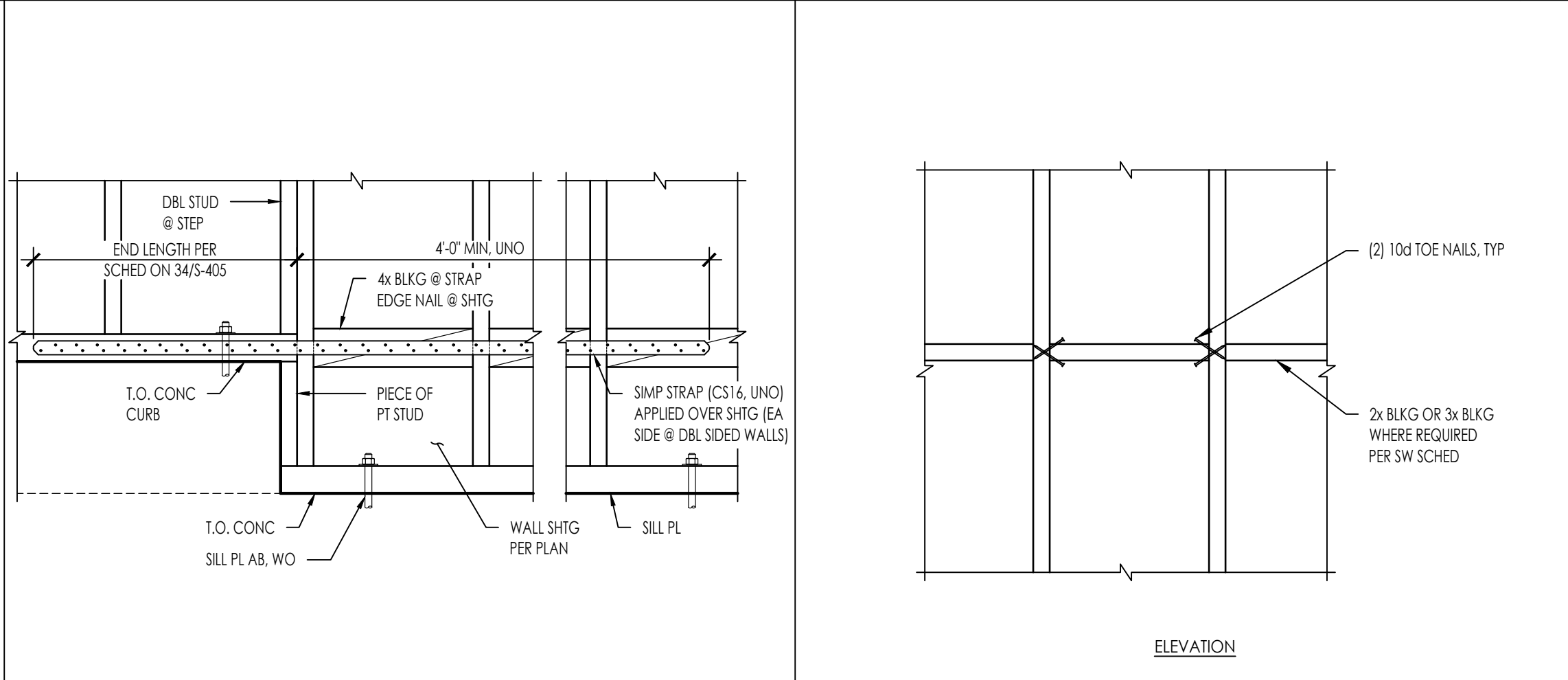


WALL SYMBOL	STRUCT SHEATHING	1,12 FRAMING SIZE	2,3,4 NAILING		8 SILL NAILING		14 SDS SCREWS OPTION	A35s	10, 11 ANCHOR BOLTING	CAPACITY PER 2015 AWC SDPWS
			EDGE	INTERMEDIATE SUPPORTS	NAILS / LAG SCREWS @ 16" OC	12" OC				
△	15/32" STRUCT 1 PLYWOOD	2x	8d @ 6" OC	8d @ 12" OC	16d @ 6" OC	12" OC	24" OC	5/8" DIA @ 48" OC	280 PLF	
△	15/32" STRUCT 1 PLYWOOD	3x	10d @ 6" OC	10d @ 12" OC	5/8" LAG SCREWS @ 16" OC	12" OC	16" OC	5/8" DIA @ 48" OC	340 PLF	
△	15/32" STRUCT 1 PLYWOOD	3x	10d @ 4" OC	10d @ 12" OC	5/8" LAG SCREWS @ 16" OC	8" OC	12" OC	5/8" DIA @ 32" OC	510 PLF	
△	15/32" STRUCT 1 PLYWOOD	3x	10d @ 3" OC	10d @ 12" OC	5/8" LAG SCREWS @ 16" OC	6" OC	8" OC	5/8" DIA @ 32" OC	665 PLF	
△	15/32" STRUCT 1 PLYWOOD	3x	10d @ 2" OC	10d @ 12" OC	5/8" LAG SCREWS @ 8" OC	4" OC	8" OC	5/8" DIA @ 24" OC	860 PLF	
△	15/32" STRUCT 1 PLYWOOD (EACH FACE OF WALL)	3x	10d @ 4" OC	10d @ 12" OC	5/8" LAG SCREWS @ 8" OC	(2) @ 8" OC *	6" OC	5/8" DIA @ 16" OC	1020 PLF	
△	15/32" STRUCT 1 PLYWOOD (EACH FACE OF WALL)	3x	10d @ 3" OC	10d @ 8" OC	5/8" LAG SCREWS @ 8" OC	(2) @ 6" OC *	A34 @ 4" OC	5/8" DIA @ 16" OC	1330 PLF	
△	15/32" STRUCT 1 PLYWOOD (EACH FACE OF WALL)	3x	10d @ 2" OC	10d @ 6" OC	5/8" LAG SCREWS @ 6" OC	(2) @ 4" OC *	LTP4 @ 15" 4" OC	5/8" DIA @ 8" OC	1740 PLF	

- NOTES:
- ALL PLYWOOD SHALL BE 5 PLY MINIMUM WITH A SPAN RATING OF 32/16 AND ALL PANEL EDGES SHALL BE BLOCKED. PROVIDE 1/8" GAP AT ALL PANEL JOINTS.
  - ALL NAILS SHALL BE COMMON NAILS.
  - PROVIDE E.N. AT ALL END STUDS, STUDS/POSTS WITH HOLDOWNS OR THE DOWN STRAPS, SILL PLATES AND TOP PLATES.
  - WHERE 10d NAILS ARE 3 INCHES ON CENTER OR LESS, NAILS SHALL BE STAGGERED.
  - NAILS SHALL BE 1/2" MINIMUM FROM PLYWOOD PANEL EDGE AND 3/8" MINIMUM FROM CONNECTING MEMBER EDGE WHERE SHEAR EXCEEDS 300 PLF.
  - USE 3x FRAMING AT BOTTOM SILL PLATES. BLOCKING AND ALL STUDS AT ADJACENT PANEL EDGES WHERE SHEAR EXCEEDS 300 PLF. STRUCTURALLY ACCEPTABLE TO USE (2) 2x INSTEAD OF 3x FRAMING AT BOTTOM SILL PLATES.
  - WHERE SILL SHEAR TRANSFER IS THROUGH LAG SCREWS, SILL PLATE SHALL BE A MINIMUM OF 2 1/2" THICK.
  - LAG SCREWS SHALL BE 6 INCHES LONG AND HOLES ARE TO BE PRE-DRILLED AS TO NOT SPLIT BLOCKING/RIM.
  - SEE ELEVATION ABOVE FOR TYPICAL CONSTRUCTION.
  - REFER TO PLATE WASHER DETAIL FOR REQUIREMENTS.
  - LENGTHEN ANCHOR BOLTS AS REQUIRED FOR EMBEDMENT AND SILL PLATE THICKNESS.
  - ORIENTED STRAND BOARD (OSB) MAY BE SUBSTITUTED FOR PLYWOOD NOTED ABOVE PROVIDED IT IS RATED BY APA'S PERFORMANCE STANDARD RATING AND IS OF THE SAME NUMBER OF LAYERS AS PLYWOOD PLY INDICATED.
  - LIMITATIONS OF MECHANICAL PENETRATIONS IN SHEAR WALLS:
    - A. 4 1/2" MAX PENETRATION.
    - B. NO CUTS OR HOLES IN SHEATHING WITHIN 16" OF CORNERS. SQUARE PENETRATIONS SHALL RADIUS EDGES. DO NOT COVER CUT HOLE WITH SAW TOOTH.
  - ASSUMES A 1 1/4" MIN LSL RIM BOARD. FASTENER EDGE DIST IS 5/8" MIN & 6" END DISTANCE MIN. 2" MIN PENETRATION INTO RIM BOARD.
  - \* WALL W/ DOUBLE SIDED PLYWOOD REQUIRE (2) RIM BOARDS.
  - SIMPSON LTP4 CLIP SHALL BE INSTALLED IN A HORIZONTAL ORIENTATION. IF CLIP IS INSTALLED OVER THE SHEATHING, 0.131" x 2 1/2" NAILS SHALL BE USED.

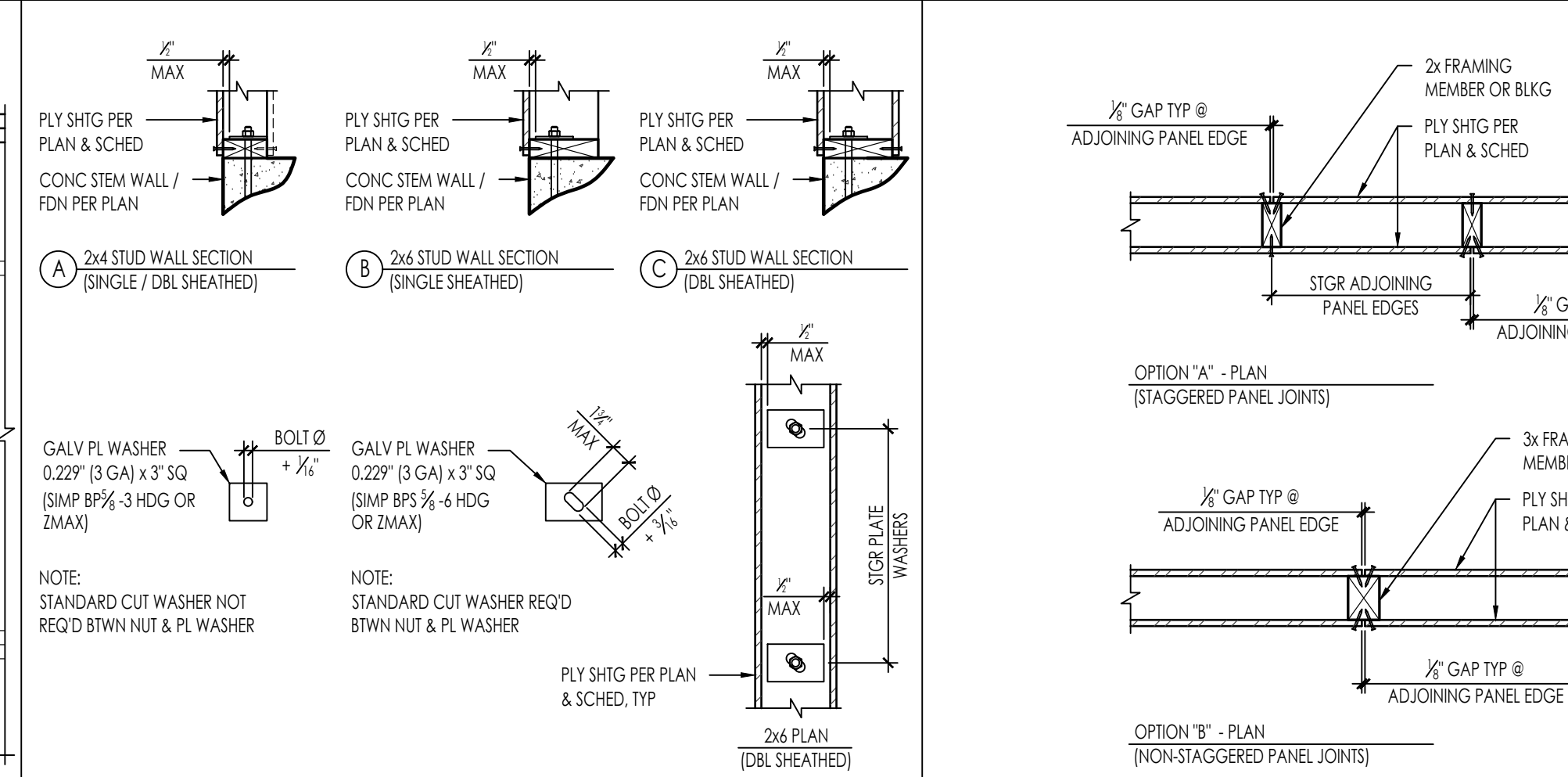


**SHEAR WALL INTERSECTION** NTS 42  
2340-01-CU21-5402-42



**STRAP AT STEP IN SHEAR WALL SILL PLATE** NTS 53  
2340-01-CU21-5402-53

**TYPICAL BLOCKING DETAIL** NTS 43  
2340-01-CU21-5402-43



**TYPICAL SHEAR WALL ELEVATION AND SCHEDULE** NTS 13  
2340-01-CU21-5402-13

MARK	# OF BLKG	SIMPSON STRAP	NAILS EA SIDE OF OPENING	STRAP LENGTH (IN)	ALLOWABLE TENSION LOADS (LBS)
▽	1	CS20	(12) 10d x 2 1/2"	32"	1,030
▽	1	CS16	(20) 10d x 2 1/2"	32"	1,705
▽	1	CS14	(26) 10d x 2 1/2"	32"	2,490
▽	2	CMST16	(50) 10d x 3 1/2"	39"	4,690
▽	2	CMST14	(66) 10d x 2 1/2"	39"	6,475
▽	2	CMST12	(86) 10d x 2 1/2"	39"	9,215

NOTES:

- 2 BAYS OR 32" MIN STRAP LENGTH
- BOUNDARY AND EDGE NAILING FROM PLYWOOD TO STUDS / FRAMING SHALL OCCUR ABOVE AND BELOW OPENINGS AT THIS CONDITION
- SEE TYPICAL SHEAR WALL ELEVATION FOR BALANCE OF INFO NOT SHOWN

**FORCE TRANSFER AROUND OPENINGS** NTS 44  
2340-01-CU21-5402-44

N:\2340\2340-01-CU21-Mono-CY-ADU-Design\Struct\Mono\2340-01-CU21-5402-402.dwg, P:\A\F\2-5402-A02.dwg, Aug 18, 2022, 11:10am, adopez

**PLATE WASHER DETAIL** NTS 34  
2340-01-CU21-5402-34

**DOUBLE SIDED SHEAR WALL** NTS 24  
2340-01-CU21-5402-24

**2x STUD NAILING @ ADJOINING PANEL EDGES** NTS 14  
2340-01-CU21-5402-14

CONSULTANT

AGENCY

**MONO COUNTY ADU  
PROTOTYPES**  
MONO COUNTY

TYPICAL WOOD DETAILS

CONSTRUCTION DOCUMENTS

NO.	REVISION	DATE

PROJECT MANAGER  
J. MEADOWS

DRAWN BY  
A. LOPEZ

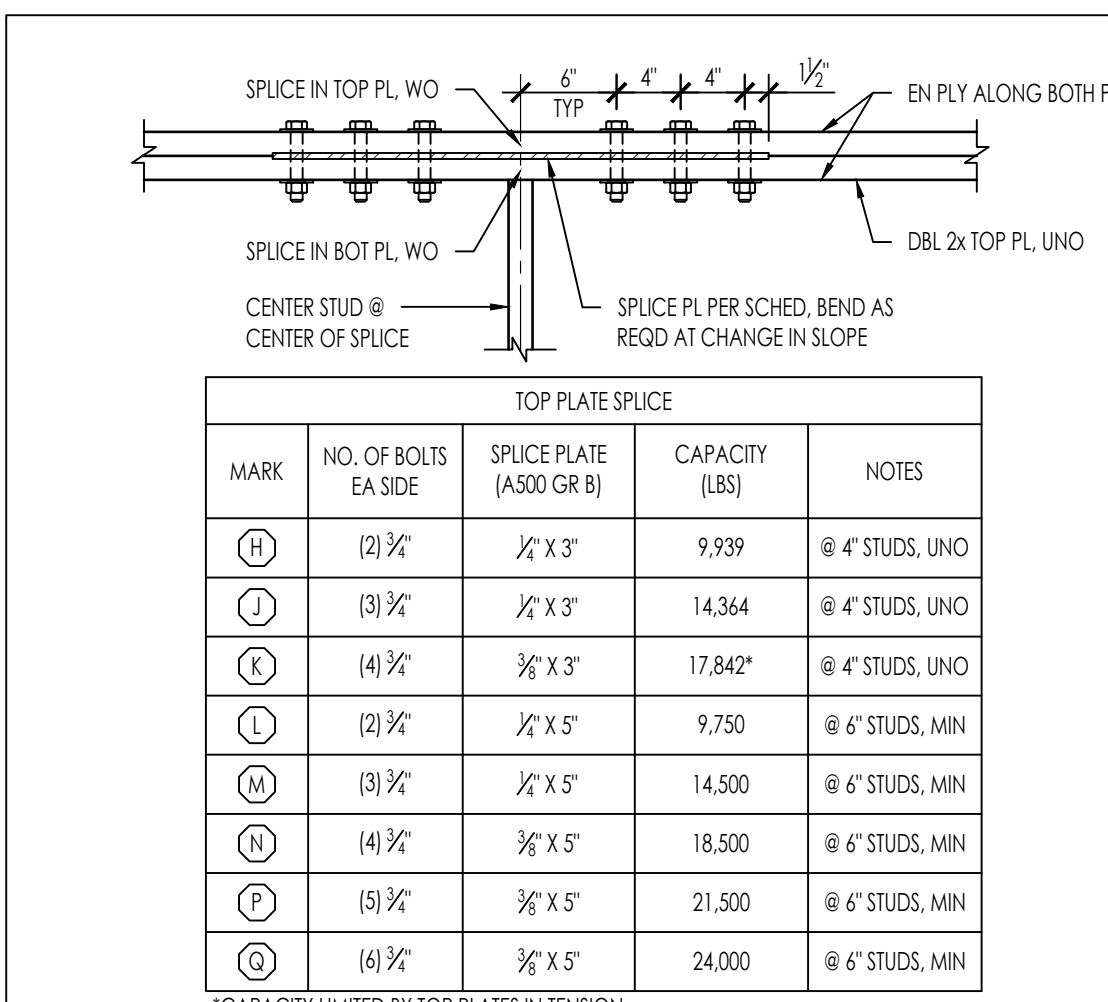
CHECKED BY  
M. DOREMUS

DATE  
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2340-01-CU21

SHEET

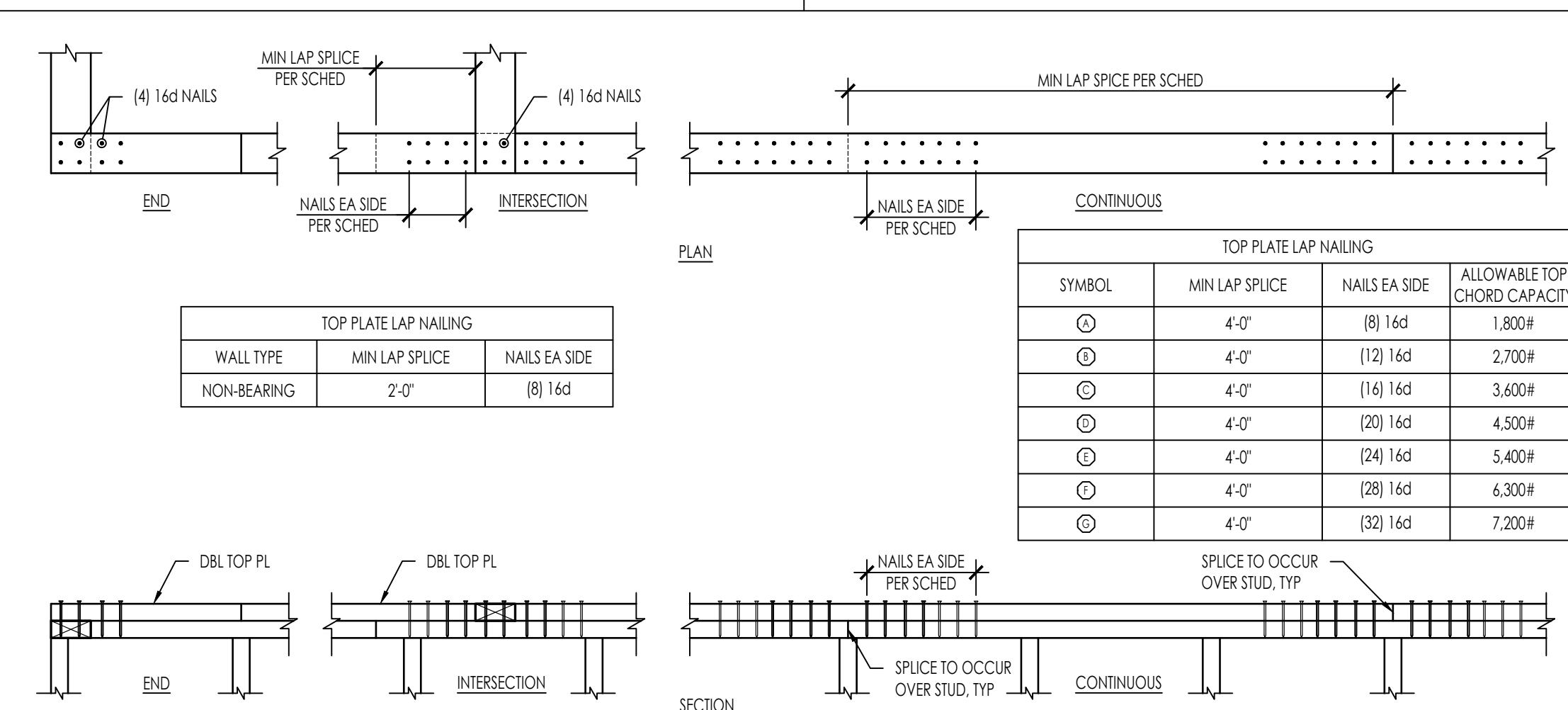
**S-403**



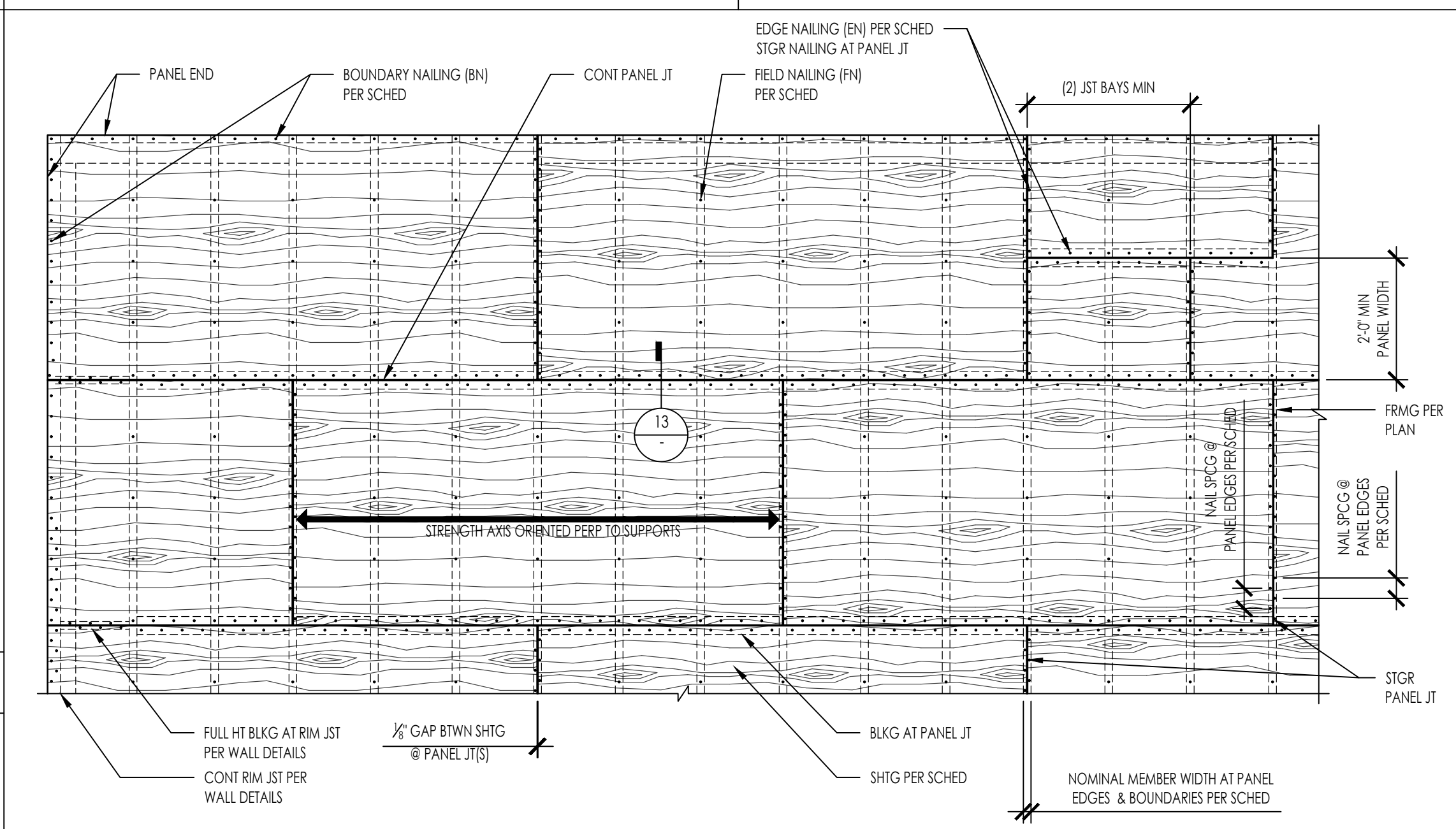
TOP PLATE SPLICE				
MARK	NO. OF BOLTS EA SIDE	SPLICE PLATE (A500 GR B)	CAPACITY (LBS)	NOTES
(H)	(2) 3/4"	1/2" X 3"	9,939	@ 4" STUDS, UNO
(J)	(3) 3/4"	1/2" X 3"	14,364	@ 4" STUDS, UNO
(K)	(4) 3/4"	3/8" X 3"	17,842*	@ 4" STUDS, UNO
(L)	(2) 3/4"	1/2" X 5"	9,750	@ 6" STUDS, MIN
(M)	(3) 3/4"	1/2" X 5"	14,500	@ 6" STUDS, MIN
(N)	(4) 3/4"	3/8" X 5"	18,500	@ 6" STUDS, MIN
(P)	(5) 3/4"	3/8" X 5"	21,500	@ 6" STUDS, MIN
(Q)	(6) 3/4"	3/8" X 5"	24,000	@ 6" STUDS, MIN

\*CAPACITY LIMITED BY TOP PLATES IN TENSION

TOP PLATE SPLICE W/ STEEL TIE PLATE  
2340-01-CU21 - 5403 - 51



DBL TOP PLATE SPLICE NAILING  
2340-01-CU21 - 5403 - 51



DIAPHRAGM SCHEDULE												
TYPE	LOCATION	SHEATHING THICKNESS	SHEATHING GRADE	SPAN RATING	BLOCKING	NAILS	BOUNDARY NAILING (BN)	EDGE NAILING AT CONT. PANEL EDGES (EN)	EDGE NAILING AT OTHER PANEL EDGES (EN)	FIELD NAILING (FN)	PANEL EDGE SUPPORT OR NOMINAL MEMBER WIDTH AT PANEL EDGES	LINES OF FASTENERS
A	ROOF	3/4"	SHEATHING	40 / 20	NO	10d	6	-	6	12	H-CLIPS	1
B	ROOF	3/4"	SHEATHING	40 / 20	YES	10d	6	6	6	12	T&G	1
C	ROOF	1"	SHEATHING	54 / 32	YES	10d	4	6	6	12	2x4 FLAT	1
D	FLOOR	2 3/4"	STURD-I-FLOOR	48 / 24	NO	10d	6	-	6	12	T&G	1

- NOTES:
- DIAPHRAGM SHALL BE GLUED TO FLOOR FRAMING PRIOR TO NAILING. REFER TO PROJECT GENERAL NOTES.
  - MINIMUM EDGE DISTANCE FOR NAILS SHALL BE 1/2" FROM SHEATHING EDGE AND 3/8" FROM LUMBER EDGE.
  - NAILS SHALL BE DRIVEN TIGHT TO TOP OF PLYWOOD SURFACE AND SHALL NOT PENETRATE THE TOP OF PLYWOOD MORE THAN COMMONLY EXPECTED WITH HAMMER DRIVEN NAILS.
  - WHERE H-CLIPS ARE SPECIFIED, THEY SHOULD BE INSTALLED AS FOLLOWS:
    - ONE H-CLIP SHALL BE PLACED BETWEEN ABUTTING PANELS AT A LOCATION MIDWAY BETWEEN EACH PAIR OF TRUSSES, RAFTERS OR JOISTS. HOWEVER, (2) H-CLIPS ARE REQUIRED BETWEEN SUPPORTS WHEN SPACED 48 INCHES ON CENTER.
    - USE THE SAME SIZE PANEL EDGE CLIP AS THE PANEL THICKNESS. H-CLIPS MUST FIT SNUGLY.
    - ABUTTING WOOD STRUCTURAL PANELS BE FITTED AS CLOSELY AS CLIPS PERMIT. OCCASIONAL MISFIT OF ABUTTING SHEETS MAY BE TOLERATED PROVIDING THAT GAPS DO NOT EXCEED MAXIMUM OPENING OF 1/8".

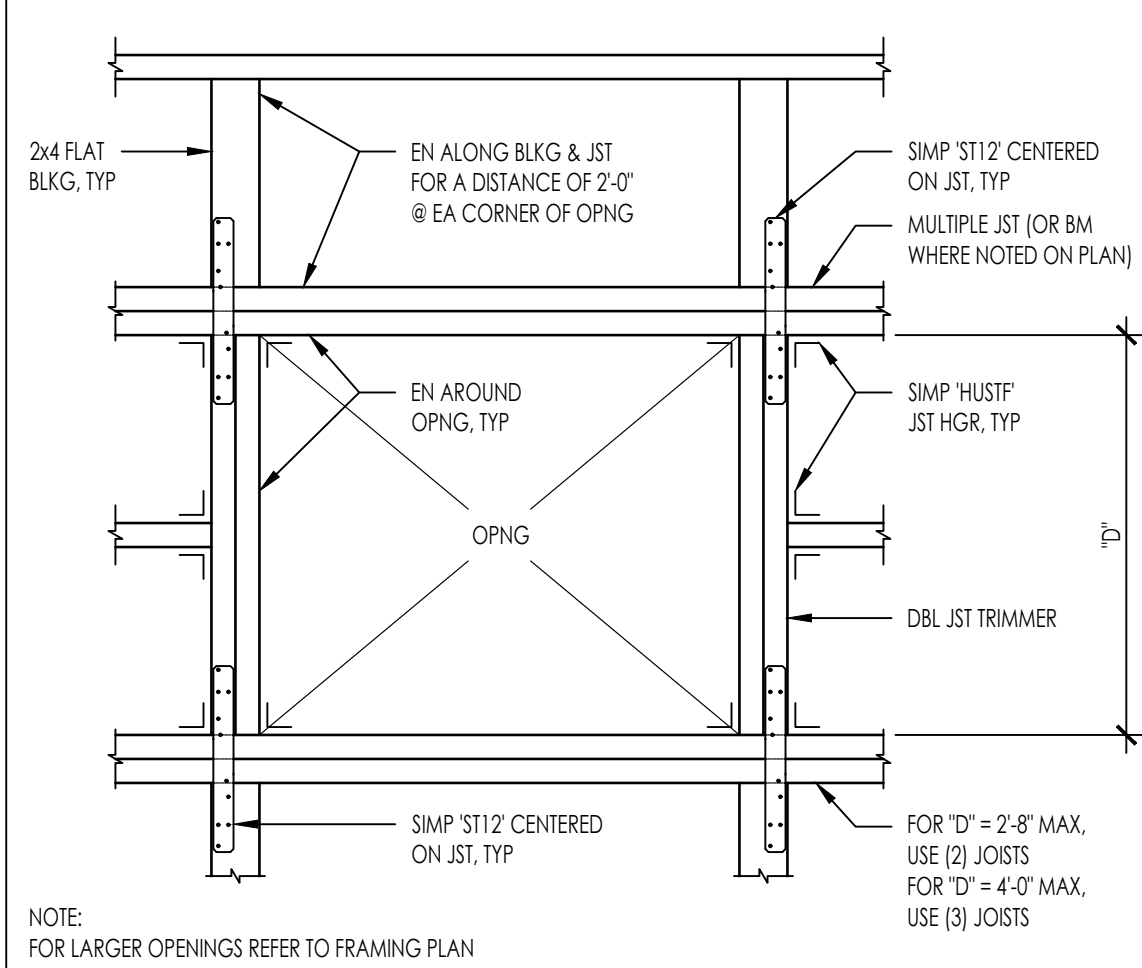
51

31

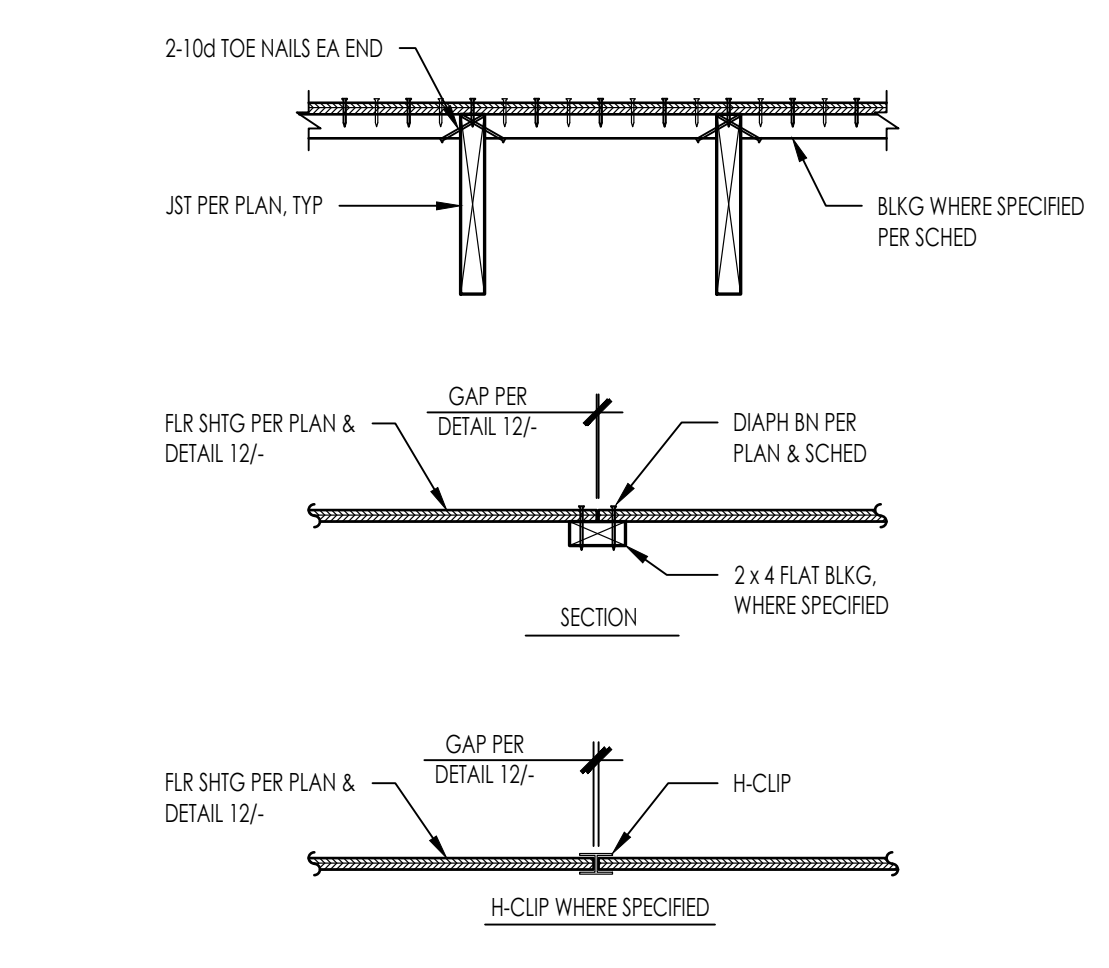
PLYWOOD DIAPHRAGM SHEATHING  
2340-01-CU21 - 5403 - 12

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OPENING AT FRAMING  
2340-01-CU21 - 5403 - 23



DIAPHRAGM PANEL JOINTS  
2340-01-CU21 - 5403 - 13

53

43



TYP JOIST BLOCKING  
2340-01-CU21 - 5403 - 14

23

54

44

24

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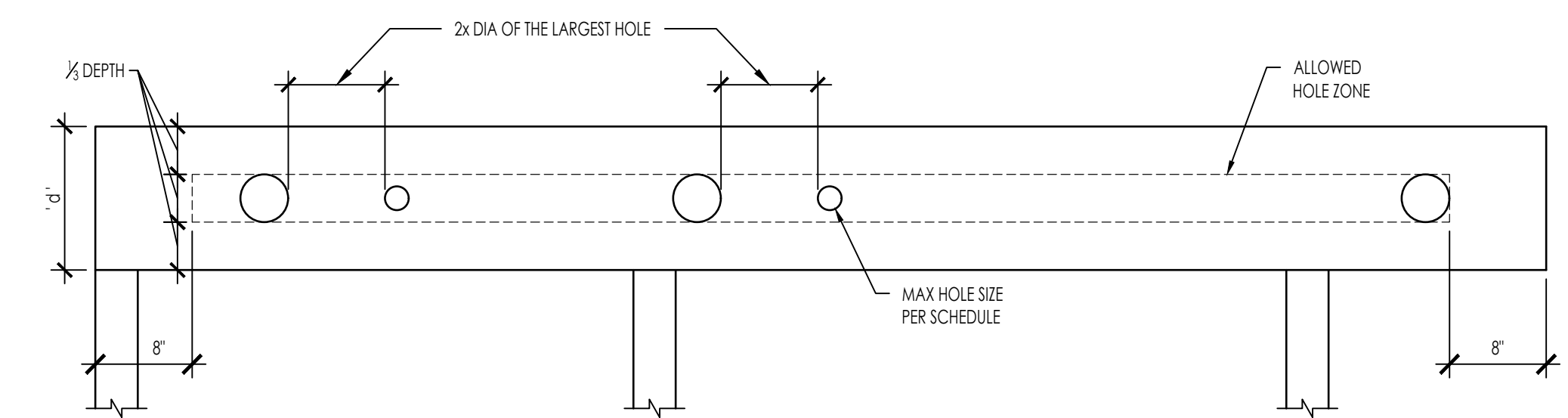
**MONO COUNTY ADU  
PROTOTYPES**  
MONO COUNTY  
TYPICAL WOOD DETAILS

CONSTRUCTION DOCUMENTS

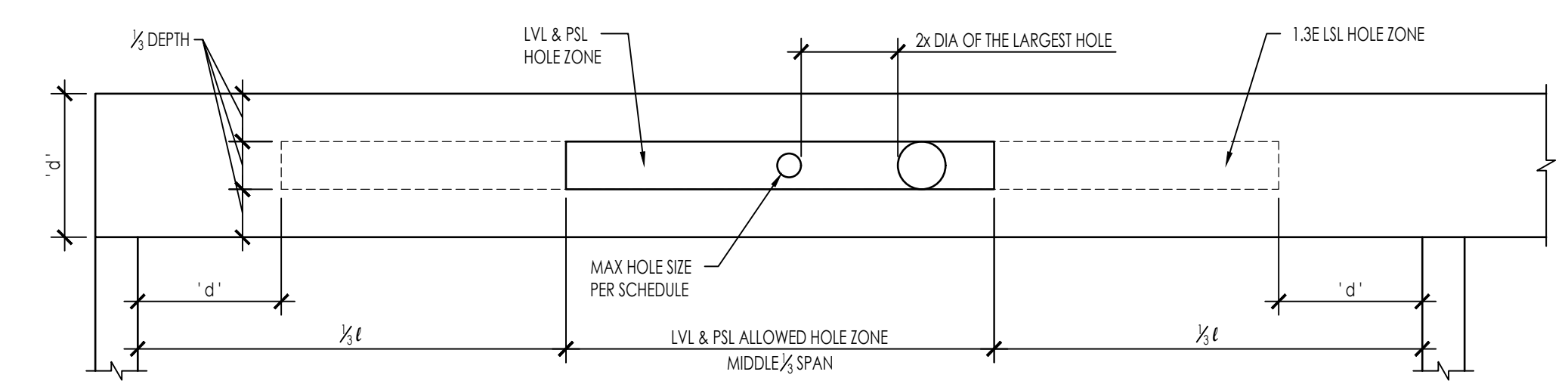
NO.	REVISION	DATE

PROJECT MANAGER  
J. MEADOWS  
DRAWN BY  
A. LOPEZ  
CHECKED BY  
M. DOREMUS  
DATE  
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SHEET

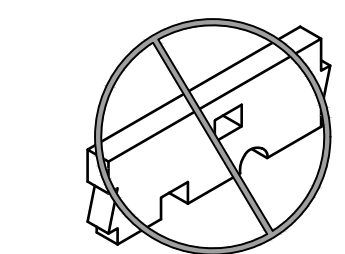
**S-404**



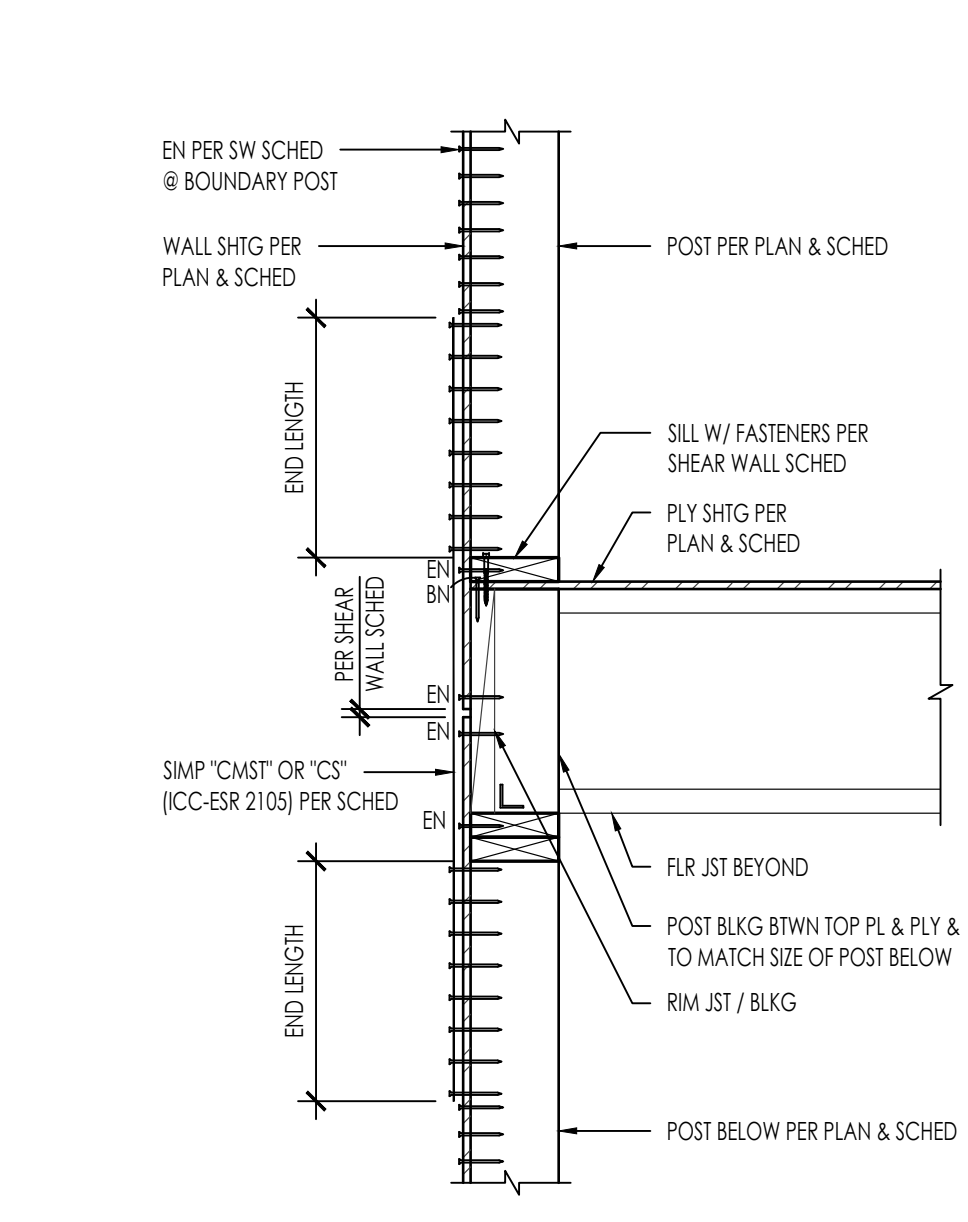
HEADER OR BEAM DEPTH	MAX ROUND HOLE SIZE
9 1/2"	3"
11 1/2"	3 3/4"
14" - 16"	4 3/4"



HEADER OR BEAM DEPTH	MAX ROUND HOLE SIZE
4 3/4"	1"
5 1/2"	1 3/4"
7 1/2" - 20"	2"



DO NOT CUT, NOTCH, OR DRILL HOLES IN HEADERS OR BEAMS EXCEPT AS INDICATED IN THE ILLUSTRATIONS AND TABLES

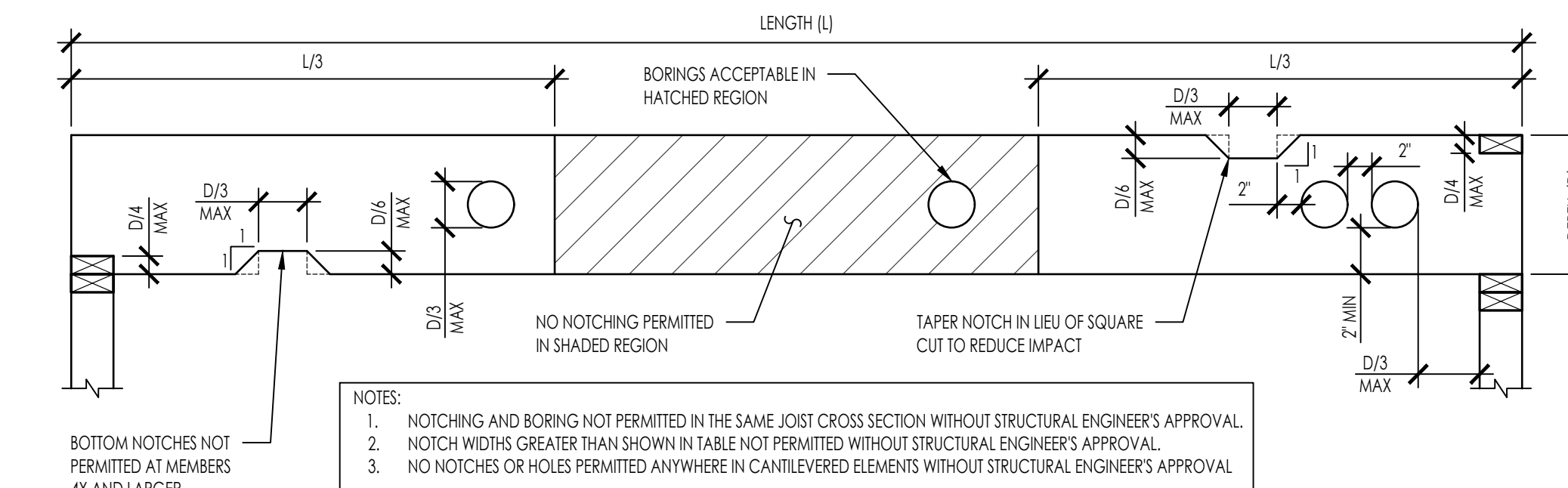


NOTE:  
PLYWOOD FIELD NAILING NOT SHOWN FOR CLARITY. REFER TO DIAPHRAGM AND SHEAR WALL SCHEDULE

MARK	STRAP MODEL	FASTENERS	END LENGTH (IN)	ALLOWABLE TENSION LOADS (LB)
2A	CS16	22-10d	11	1,705
2B	CS14	30-10d	15	2,490
2C	CMSTC16	50-16d SINKER	20	4,585
2D	CMST14	56-10d	26	6,490
2E	CMST14	66-10d	30	6,490
2E	CMST12	74-16d	33	9,215
2E	CMST12	86-10d	39	9,215

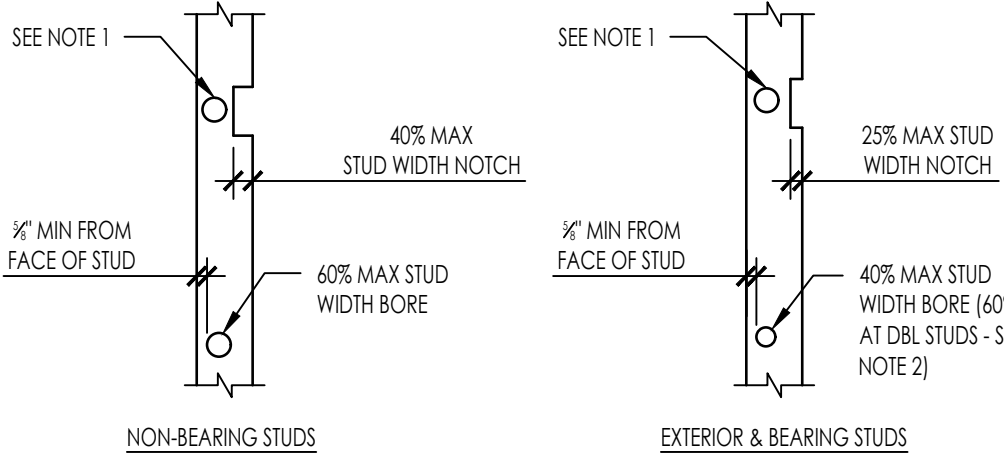
STRAP ACROSS FLOOR NTS 32

ALLOWABLE HOLES THRU ENGINEERED LUMBER HEADERS & BEAMS NTS 12



JOIST SIZE	MAX HOLE	MAX NOTCH DEPTH	MAX END NOTCH	MAX NOTCH LENGTH
2X4	NONE	NONE	NONE	NONE
2X6	1 1/2"	1 1/2"	1 1/2"	1 1/2"
2X8	2 3/8"	1 1/2"	1 1/2"	2 3/8"
2X10	3"	1 1/2"	2 3/8"	3"
2X12	3 3/4"	1 1/2"	2 3/8"	3 3/4"

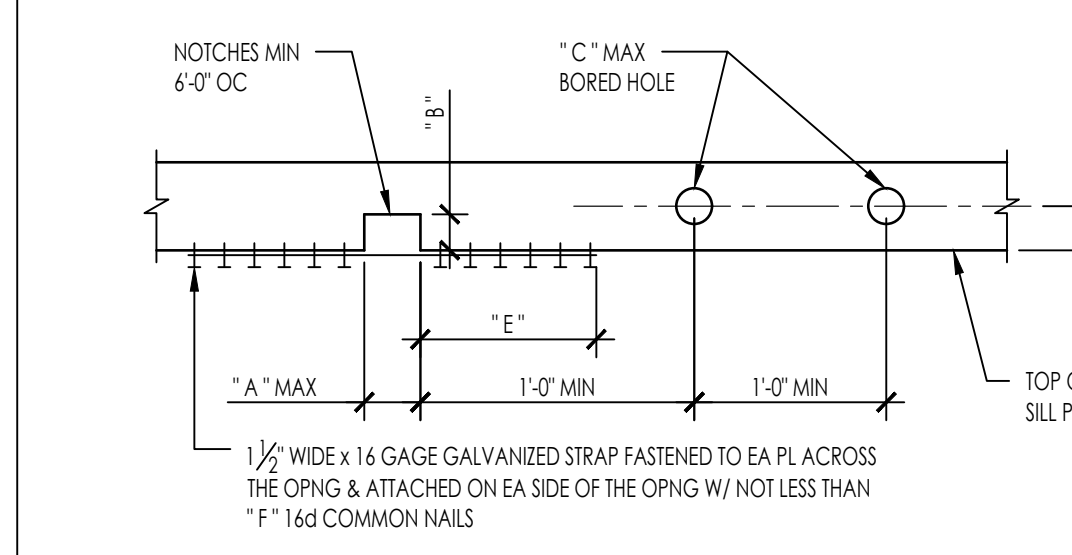
SAWN LUMBER AND RAFTER JOIST NOTCHING AND BORING LIMITATIONS NTS 13



STUD SIZE (IN)	APPLICATION	MAX HOLE DIAMETER (IN)	MAX NOTCH DEPTH (IN)
2X4	NON-BEARING	2 3/8"	1 3/8"
	EXTERIOR/BEARING	1 3/8"	3/8"
2X6	NON-BEARING	3 1/4"	2 3/8"
	EXTERIOR/BEARING	2 3/8"	1 3/8"

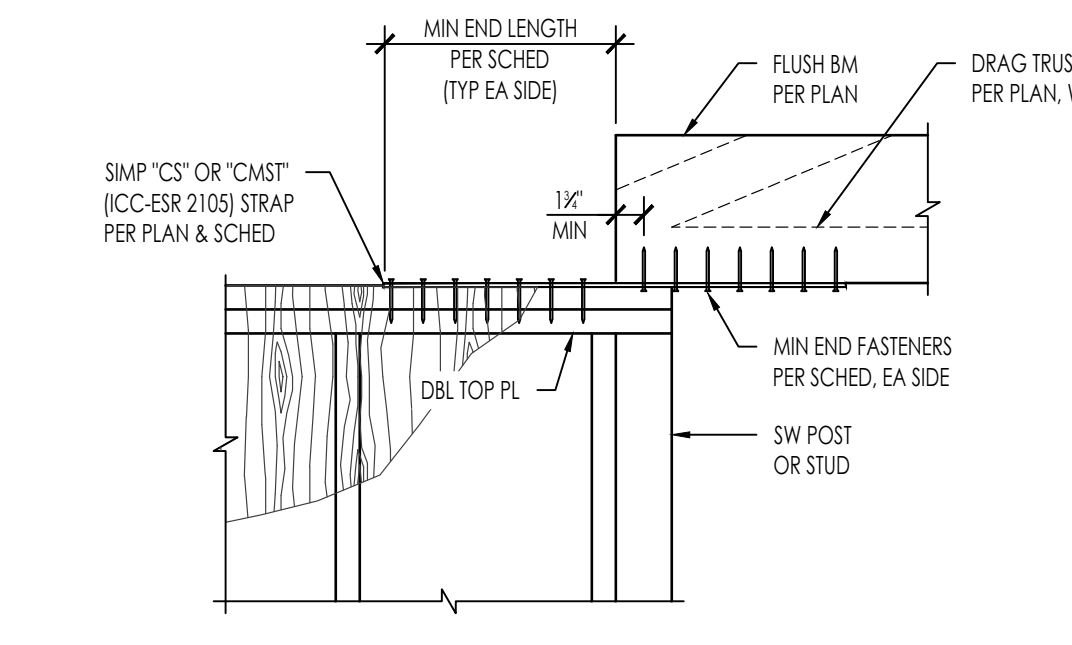
NOTES:  
1. NOTCHING AND BORING NOT PERMITTED IN THE SAME STUD SECTION.  
2. NO MORE THAN 2 SUCCESSIVE DBL. STUDS ARE PERMITTED TO HAVE 60% MAX BORED HOLES.

TYPICAL NOTCH AND BORING LIMITATIONS NTS 34

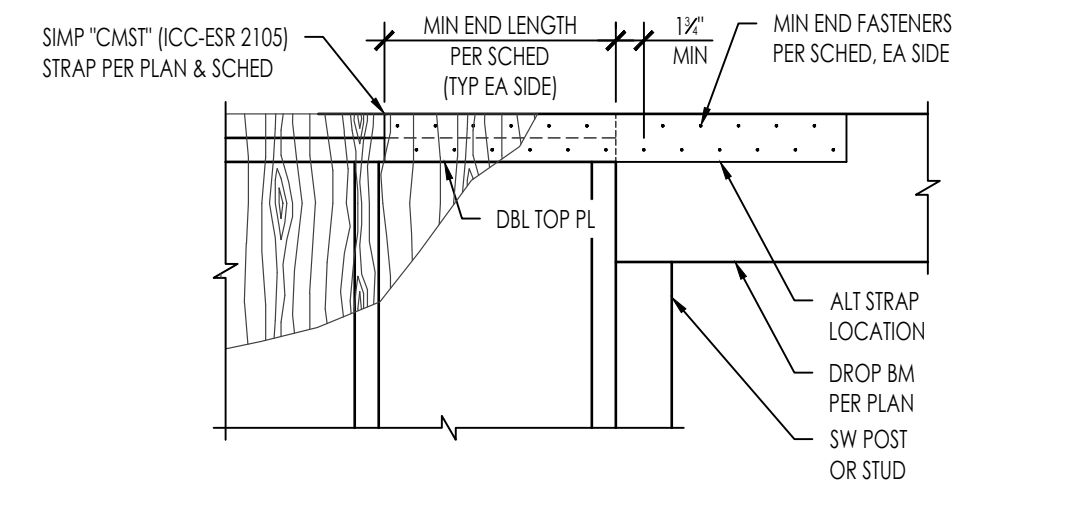


TOP PL OR SILL PL	A	B	C	D	E	F
2X4	3/4"	1/2"	1/2"	1/2"	3/4"	6
2X6	1/2"	3/4"	3/4"	3/4"	3/4"	9
2X8	3/4"	3"	3/4"	3/4"	1 1/2"	12

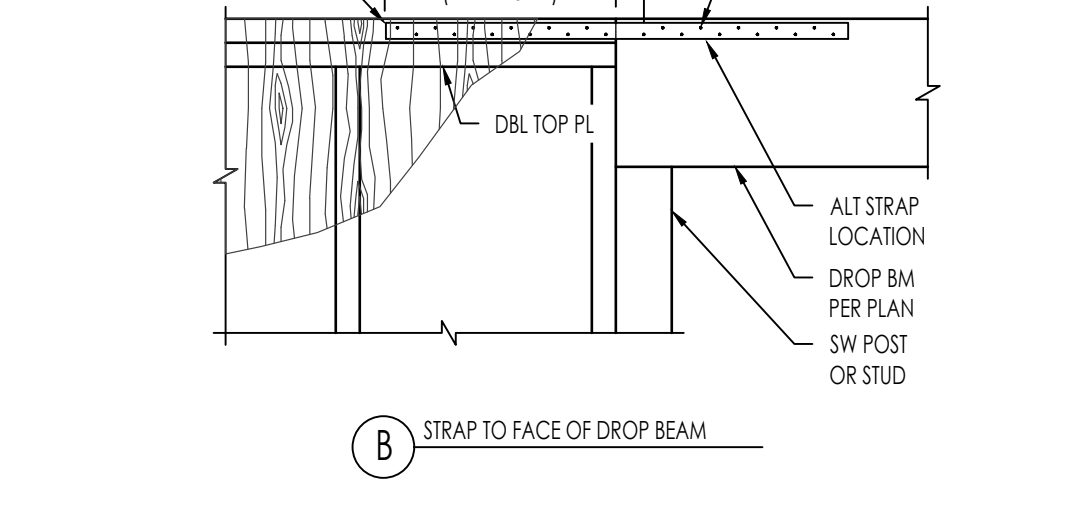
TOP PL AND SILL NOTCH AND BORING LIMITATIONS NTS 14



STRAP TO BOTTOM OF FLUSH BEAM



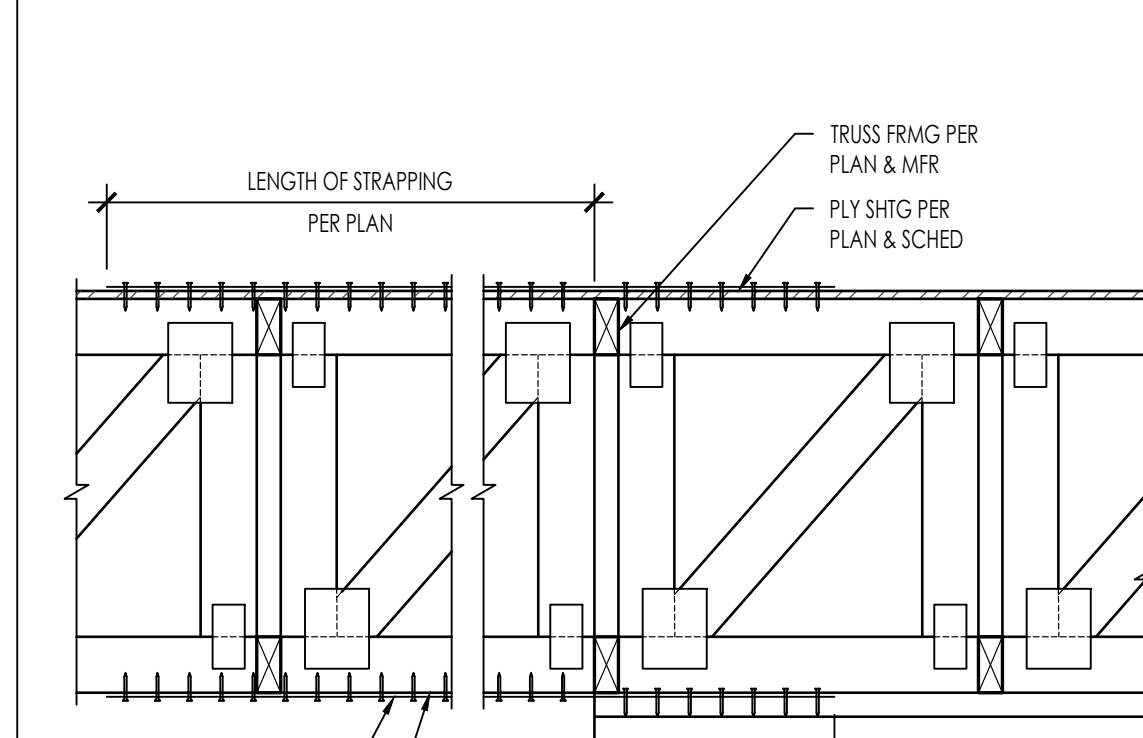
STRAP TO FACE OF DROP BEAM



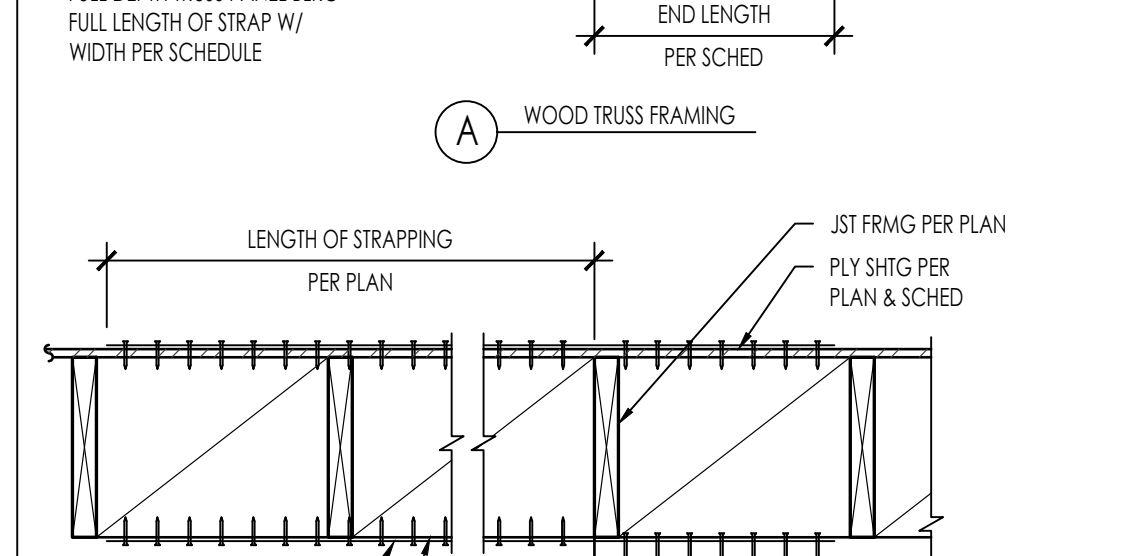
STRAP TO TOP OF DROP BEAM

STRAP MODEL	END FASTENERS	END LENGTH (IN)	ALLOWABLE TENSION LOADS (LB)
CS16	(20) 10d	11	1,705
	(22) 8d	13	
CS14	(28) 10d	15	2,490
	(30) 8d	16	
CMSTC16	(50) 16d	20	4,690
CMST14	(56) 16d	26	6,475
CMST12	(66) 10d	30	9,215
	(74) 16d	33	
	(86) 10d	39	

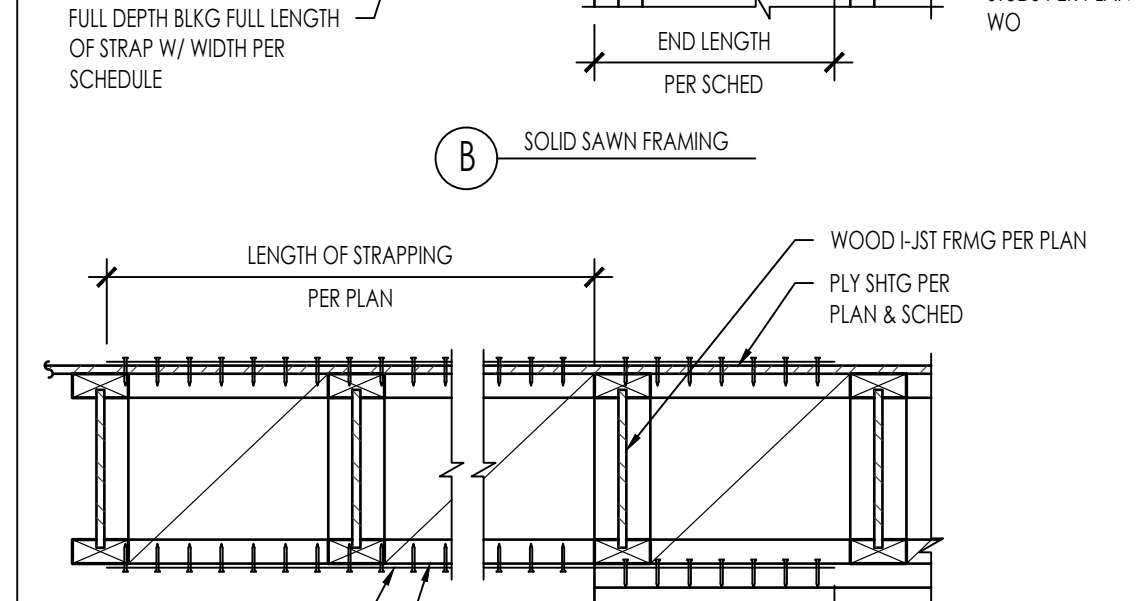
DRAG STRAP AT BEAM-TO-WALL NTS 53



WOOD TRUSS FRAMING



SOLID SAWN FRAMING



TJI FRAMING

STRAP MODEL	END FASTENERS	END LENGTH (IN)	FASTENERS PER SPLICE	SPLICE LENGTH (IN)	MIN BLKG WIDTH	ALLOWABLE TENSION LOADS (LB)
CS16	(20) 10d	11	(5) 10d	8	1 1/2"	1,705
	(22) 8d	13	(6) 8d	9		
CS14	(28) 10d	15	(6) 10d	9	1 1/2"	2,490
	(30) 8d	16	(7) 8d	10		
CMSTC16	(50) 16d	20	(11) 16d	10	3 1/2"	4,690
CMST14	(56) 16d	26	(13) 16d	14	3 1/2"	6,475
CMST12	(66) 10d	30	(15) 10d	15	3 1/2"	9,215
	(74) 16d	33	(18) 16d	18		
	(86) 10d	39	(22) 10d	21		

BLOCK & STRAP PERP TO FRMG NTS 43

DRAG STRAP AT BEAM-TO-WALL NTS 54

BLOCK & STRAP PERP TO FRMG NTS 44

STRAP ACROSS FLOOR NTS 32

ALLOWABLE HOLES THRU ENGINEERED LUMBER HEADERS & BEAMS NTS 12

SAWN LUMBER AND RAFTER JOIST NOTCHING AND BORING LIMITATIONS NTS 13

TYPICAL NOTCH AND BORING LIMITATIONS NTS 34

TOP PL AND SILL NOTCH AND BORING LIMITATIONS NTS 14

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51	41	ROOF RIDGE	1" = 1'-0"	31	TRUSS ROOF @ BALLOON FRAMING	1" = 1'-0"	21	RAFTER @ EXTERIOR SHEAR WALL	1" = 1'-0"
52	42	RAFTER TO WALL BELOW	1" = 1'-0"	32	RIDGE @ WALL BELOW	1" = 1'-0"	22	RAFTER @ EXTERIOR SHEAR WALL	1" = 1'-0"
53	43	ROOF RAFTER TO BEAM	1" = 1'-0"	33	ROOF RAFTER TO EXTERIOR WALL (PERP)	1" = 1'-0"	23	OUTLOOKER @ EXTERIOR SHEAR WALL	1" = 1'-0"
54	44	INTERIOR SHEAR WALL (JOIST PARALLEL)	1" = 1'-0"	34	ROOF TRANSITION DETAIL	1" = 1'-0"	24	CHANGE IN ROOF FRAMING	3/4" = 1'-0"

CONSULTANT

AGENCY

**MONO COUNTY ADU  
PROTOTYPES**  
MONO COUNTY

**ROOF FRAMING DETAILS**

NO.	REVISION	DATE
△		
△		
△		
△		
△		

**PROJECT MANAGER**  
J. MEADOWS

**DRAWN BY**  
A. LOPEZ

**CHECKED BY**  
M. DOREMUS

**DATE**  
AUGUST 18, 2022

**PROJECT NUMBER**  
2340-01-CU21

**SHEET**

**S-422**

CONSTRUCTION DOCUMENTS

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