

BUILDING CODE NOTES:

1. THE CONSTRUCTION SHALL NOT RESTRICT A FIVE-FOOT CLEAR AND UNOBSTRUCTED ACCESS TO ANY WATER OR POWER DISTRIBUTION FACILITIES (POWER POLES, PULL-BOXES, TRANSFORMERS, VAULTS, PUMPS, VALVES, METERS, APPURTENANCES, ETC.) OR TO THE LOCATION OF THE HOOK-UP. THE CONSTRUCTION SHALL NOT BE WITHIN TEN FEET OF ANY POWER LINES-WHETHER OR NOT THE LINES ARE LOCATED ON THE PROPERTY. FAILURE TO COMPLY MAY CAUSE CONSTRUCTION DELAYS AND/OR ADDITIONAL EXPENSES.
2. AN APPROVED SEISMIC GAS SHUTOFF VALVE WILL BE INSTALLED ON THE FUEL GAS LINE ON THE DOWNSTREAM SIDE OF THE UTILITY METER AND BE RIGIDLY CONNECTED TO THE EXTERIOR OF THE BUILDING OR STRUCTURE CONTAINING THE FUEL GAS PIPING. (PER ORDINANCE 170,158) (SEPARATE PLUMBING PERMIT IS REQUIRED).
3. PLUMBING FIXTURES ARE REQUIRED TO BE CONNECTED TO A SANITARY SEWER OR TO AN APPROVED SEWAGE DISPOSAL SYSTEM (R306.3).
4. KITCHEN SINKS, LAVORIES, BATHTUBS, SHOWERS, BIDETS, LAUNDRY TUBS AND WASHING MACHINE OUTLETS SHALL BE PROVIDED WITH HOT AND COLD WATER AND CONNECTED TO AN APPROVED WATER SUPPLY (R306.4).
5. BATHTUB AND SHOWER FLOORS, WALLS ABOVE BATHTUBS WITH A SHOWERHEAD, AND SHOWER COMPARTMENTS SHALL BE FINISHED WITH A NONABSORBENT SURFACE, SUCH WALL SURFACES SHALL EXTEND TO A HEIGHT OF NOT LESS THAN 6 FEET ABOVE THE FLOOR (R307.2).
6. PROVIDE ULTRA-LOW FLUSH WATER CLOSETS FOR ALL NEW CONSTRUCTION. EXISTING SHOWER HEADS AND TOILETS MUST BE ADAPTED FOR LOW WATER CONSUMPTION. UNIT SKYLIGHTS SHALL BE LABELED BY A LA CITY APPROVED LABELING AGENCY. SUCH LABEL SHALL STATE THE APPROVED LABELING AGENCY NAME, PRODUCT DESIGNATION AND PERFORMANCE GRADE RATING. (RESEARCH REPORT NOT REQUIRED). (R308.6.9)
7. WATER HEATER MUST BE STRAPPED TO WALL. (SEC. 507.3, LAPC)
8. FOR EXISTING POOL ON SITE, PROVIDE AN ALARM FOR DOORS TO THE DWELLING THAT FORM A PART OF THE POOL ENCLOSURE. THE ALARM SHALL SOUND CONTINUOUSLY FOR A MIN. OF 30 SECONDS WHEN THE DOOR IS OPENED. IT SHALL AUTOMATICALLY RESET AND BE EQUIPPED WITH A MANUAL MEANS TO DEACTIVATE (FOR 15 SECS. MAX.) FOR A SINGLE OPENING. THE DEACTIVATION SWITCH SHALL BE AT LEAST 5'4" ABOVE THE FLOOR (R309.1)
9. FOR EXISTING POOL ON SITE, PROVIDE ANTI-ENTRAPMENT COVER MEETING THE CURRENT ASTM OR ASME FOR THE SUCTION OUTLETS OF THE SWIMMING POOL, TODDLER POOL AND SPA FOR SINGLE FAMILY DWELLINGS PER ASSEMBLY BILL (AB) NO. 2977. (1/16/20)
10. AUTOMATIC GARAGE DOOR OPENERS, IF PROVIDED, SHALL BE LISTED IN ACCORDANCE WITH UL 325. (R309.4)
11. SMOKE DETECTORS SHALL BE PROVIDED FOR ALL DWELLING UNITS INTENDED FOR HUMAN OCCUPANCY. UPON THE OWNER'S APPLICATION FOR A PERMIT FOR ALTERATIONS, REPAIRS, OR ADDITIONS, EXCEEDING ONE THOUSAND DOLLARS (\$1,000). (R314.6.2)
12. WHERE A PERMIT IS REQUIRED FOR ALTERATIONS, REPAIRS OR ADDITIONS EXCEEDING ONE THOUSAND DOLLARS (\$1,000), EXISTING DWELLINGS OR SLEEPING UNITS THAT HAVE ATTACHED GARAGES OR FUEL-BURNING APPLIANCES SHALL BE PROVIDED WITH A CARBON MONOXIDE ALARM IN ACCORDANCE WITH SECTION 502.2 CARBON MONOXIDE ALARMS SHALL ONLY BE REQUIRED IN THE SPECIFIC DWELLING UNIT OR SLEEPING UNIT FOR WHICH THE PERMIT WAS OBTAINED. (R315.2.2)
13. EVERY SPACE INTENDED FOR HUMAN OCCUPANCY SHALL BE PROVIDED WITH NATURAL LIGHT BY MEANS OF EXTERIOR GLAZED OPENINGS IN ACCORDANCE WITH SECTION R303.1 OR SHALL BE PROVIDED WITH ARTIFICIAL LIGHT THAT IS ADEQUATE TO PROVIDE AN AVERAGE ILLUMINATION OF 6 FOOT-CANDLES OVER THE AREA OF THE ROOM AT A HEIGHT OF 30 INCHES ABOVE THE FLOOR LEVEL. (R303.1)
14. A COPY OF THE EVALUATION REPORT AND/OR CONDITIONS OF LISTING SHALL BE MADE AVAILABLE AT THE JOB SITE

VICINITY MAP

TRANSIT BUS

SHEET INDEX

- 0.1 SAMPLE SITE PLAN
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- 0.4 GREEN BUILDING REQUIREMENTS
- 0.5 GREEN BUILDING REQUIREMENTS
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- 1.0 PROPOSED ADU FLOOR PLAN
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AREA SUMMARY

LOT AREA:

BUILDING CODE FLOOR AREA:	
- NEW ADU:	450.0 S.F.

ZONING CODE FLOOR AREA:

- NEW ADU:	450.0 S.F.
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SCHOOL FEES FLOOR AREA:

- NEW ADU:	497.0 S.F.
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FLOOR AREA RATIO:
LOT COVERAGE:
LANDSCAPING:

APPLICABLE CODES:

- 2023 CALIFORNIA BUILDING CODE
- 2023 CALIFORNIA RESIDENTIAL CODE
- 2023 CALIFORNIA GREEN BUILDING STANDARDS CODE
- 2023 CALIFORNIA MECHANICAL CODE
- 2023 CALIFORNIA ELECTRICAL CODE
- 2023 CALIFORNIA PLUMBING CODE
- 2023 CALIFORNIA FIRE CODE
- 2023 CALIFORNIA ENERGY CODE

PROJECT DESCRIPTION

NEW 1 STORY DETACHED ADU

LOT/PARCEL INFORMATION

- ADDRESS:**
- (E) HOUSE ADDRESS
 - (N) ADU ADDRESS
- APN:**
- LEGAL DESCRIPTION:**
- TYPE OF CONSTRUCTION:** TYPE VB
- ZONE:**
- LOT:**
- PARKING INFORMATION:**
- FIRE SPRINKLERS (ADU):**
- EXISTING STRUCTURE INFORMATION:**
- USE
 - FLOOR AREA
 - TYPE OF CONSTRUCTION
 - FIRE SPRINKLERS (EXISTING)

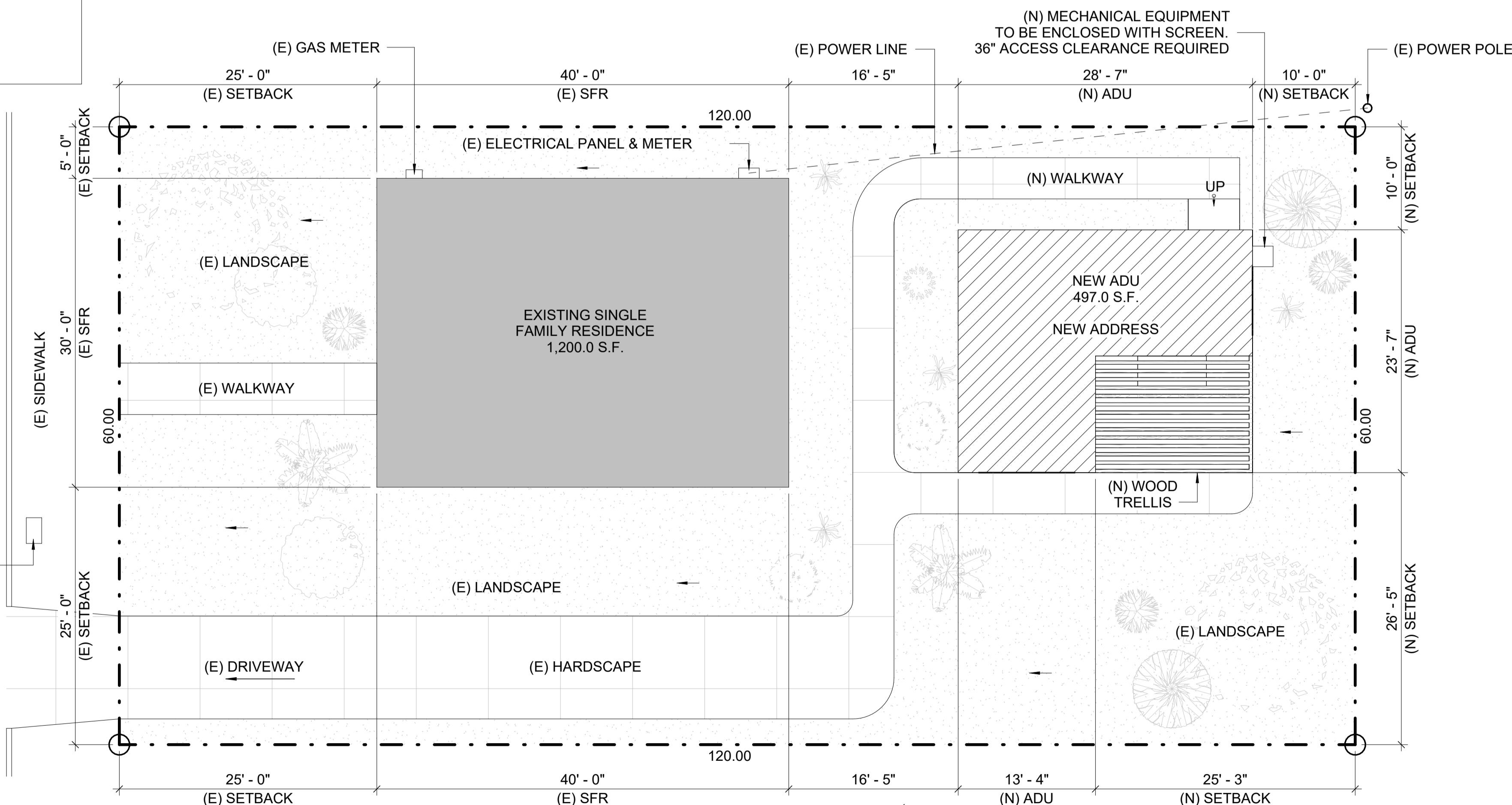
OWNER INFO	APPLICANT INFO
NAME: ADDRESS: PHONE: E-MAIL:	NAME: YAKOV DESIGN ADDRESS: 8055 W MANCHESTER AVE #510, LOS ANGELES, CA 90293 (323)922-2211 PHONE: E-MAIL: INFO@YAKOVDESIGN.COM

SITE PLAN NOTES:

1. ALL PORTIONS OF REQUIRED FRONT YARD NOT USED FOR NECESSARY DRIVEWAYS AND WALKWAYS, INCLUDING DECORATIVE WALKWAYS SHALL BE USED FOR PLANTING AND SHALL NOT BE PAVED.
2. AUTOMATIC IRRIGATION SYSTEM CONTROLLERS TO BE WEATHER- OR SOIL-BASED CONTROLLERS.
3. FOR PROJECTS THAT INCLUDE LANDSCAPE WORK, THE LANDSCAPE CERTIFICATION, FORM GRN12, SHALL BE COMPLETED PRIOR TO FINAL INSPECTION APPROVAL.
4. ANNULAR SPACES AROUND PIPES, ELECTRIC CABLES, CONDUITS, OR OTHER OPENINGS IN THE BUILDING'S ENVELOPE AT EXTERIOR WALLS SHALL BE PROTECTED AGAINST THE PASSAGE OF RODENTS BY CLOSING SUCH OPENINGS WITH CEMENT MORTAR, CONCRETE MASONRY OR METAL PLATES. PIPING PRONE TO CORROSION SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 413.0 OF THE LOS ANGELES PLUMBING CODE.
5. MATERIALS DELIVERED TO THE CONSTRUCTION SITE SHALL BE PROTECTED FROM RAIN OR OTHER SOURCES OF MOISTURE.
6. CONSTRUCTION WASTE SHALL BE REDUCED BY 50%. CONSTRUCTION WASTE SHALL BE HANDLED BY CITY OF LOS ANGELES CERTIFIED HAULER.
7. AN OPERATION AND MAINTENANCE MANUAL INCLUDING, AT A MINIMUM, THE ITEMS LISTED IN SECTION 4.410.1 SHALL BE COMPLETED AND PLACED IN THE BUILDING AT THE TIME OF FINAL INSPECTION. FORM GRN 6
8. LOT SHALL BE GRADED TO DRAIN SURFACE WATER AWAY FROM FOUNDATION WALLS WITH A MINIMUM FALL OF 6" WITHIN THE FIRST 10 FEET
9. ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, OR SHEET METAL UNTIL THE FINAL STARTUP OF THE HEATING, COOLING AND VENTILATING EQUIPMENT.
10. THE VOC CONTENT VERIFICATION CHECKLIST, FORM GRN 2, SHALL BE COMPLETED AND VERIFIED PRIOR TO FINAL INSPECTION APPROVAL. THE MANUFACTURER'S SPECIFICATIONS SHOWING VOC CONTENT FOR ALL APPLICABLE PRODUCTS SHALL BE READILY AVAILABLE AT THE JOB SITE AND BE PROVIDED TO THE FIELD INSPECTOR FOR VERIFICATION. (4.504.2.4, 9.504.2.4)
11. ARCHITECTURAL PAINTS AND COATINGS, ADHESIVES, CAULKS AND SEALANTS SHALL COMPLY WITH THE VOLATILE ORGANIC COMPOUND LIMITS.
12. ALL NEW CARPET INSTALLED IN THE BUILDING INTERIOR SHALL MEET THE TESTING AND PRODUCT REQUIREMENTS OF ONE OF THE FOLLOWING:
A. CARPET AND RUG INSTITUTES GREEN LABEL PLUS PROGRAM
B. CALIFORNIA DEPARTMENT OF PUBLIC HEALTH'S SPECIFICATION 01350
C. NSF/ANSI 140 AT THE GOLD LEVEL
D. SCIENTIFIC CERTIFICATION SYSTEMS INDOOR ADVANTAGE™ GOLD
13. ALL NEW CARPET CUSHION INSTALLED IN THE BUILDING INTERIOR SHALL MEET THE REQUIREMENTS OF THE CARPET AND RUG INSTITUTE GREEN LABEL PROGRAM.
14. 80% OF THE TOTAL AREA RECEIVING RESILIENT FLOORING SHALL COMPLY WITH ONE OR MORE OF THE FOLLOWING:
A. VOC EMISSION LIMITS DEFINED IN THE CHPS HIGH PERFORMANCE PRODUCTS DATABASE
B. PRODUCTS COMPLIANT WITH THE CHPS CRITERIA CERTIFIED UNDER THE GREENGUARD CHILDREN & SCHOOLS PROGRAM
C. CERTIFICATION UNDER THE RESILIENT FLOOR COVERING INSTITUTE (RFCI) FLOORSORE PROGRAM
D. MEET THE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH'S SPECIFICATION
15. NEW HARDWOOD PLYWOOD, PARTICLE BOARD, AND MEDIUM DENSITY FIBERBOARD COMPOSITE WOOD PRODUCTS USED IN THE INTERIOR OR EXTERIOR OF THE BUILDING SHALL MEET THE FORMALDEHYDE LIMITS LISTED IN TABLE 4.504.5, TABLE 9.504.5, (4.504.5, 9.504.5).
16. THE FORMALDEHYDE EMISSIONS VERIFICATION CHECKLIST, FORM GRN 3, SHALL BE COMPLETED PRIOR TO FINAL INSPECTION APPROVAL. THE MANUFACTURER'S SPECIFICATIONS SHOWING FORMALDEHYDE CONTENT FOR ALL APPLICABLE WOOD PRODUCTS SHALL BE READILY AVAILABLE AT THE JOB SITE AND BE PROVIDED TO THE FIELD INSPECTOR FOR VERIFICATION. (4.504.5.1, 9.504.5.1)
17. BUILDING MATERIALS WITH VISIBLE SIGNS OF WATER DAMAGE SHALL NOT BE INSTALLED. THE BUILDING INSPECTOR SHALL NOT ENCLOSE WALL AND FLOOR FRAMING UNTIL IT IS INSPECTED AND FOUND TO BE SATISFACTORY.
18. THE HEATING AND AIR CONDITIONING SYSTEMS SHALL BE SIZED AND DESIGNED USING ANSII/ACCA MANUAL J-2004, ANSII/ACCA 29-D-2009 OR ASHRAE HANDBOOKS AND HAVE THEIR EQUIPMENT SELECTED IN ACCORDANCE WITH ANSII/ACCA 36-S MANUAL S.
19. PROVIDE MINIMUM 1" (INSIDE DIAMETER) LISTED RACEWAY INSTALLED FOR EACH UNIT TO ACCOMMODATE A DEDICATED 208/240 VOLT BRANCH CIRCUIT. THE RACEWAY SHALL ORIGINATE AT THE MAIN SERVICE OR A SUBPANEL AND TERMINATE IN CLOSE PROXIMITY TO THE PROPOSED LOCATION OF THE CHARGING SYSTEM INTO A LISTED CABINET, BOX OR ENCLOSURE. SUFFICIENT CONDUCTOR SIZING AND SERVICE CAPACITY TO INSTALL LEVEL 2 EVSE SHALL BE PROVIDED. A LABEL STATING 'EV CAPABLE' SHALL BE POSTED IN CONSPICUOUS PLACE AT THE SERVICE PANEL OR SUBPANEL AND NEXT TO THE RACEWAY TERMINATION POINT.
20. THE MAIN ELECTRICAL SERVICE PANEL SHALL HAVE A RESERVED SPACE TO ALLOW FOR INSTALLATION OF A DOUBLE POLE CIRCUIT BREAKER FOR A FUTURE SOLAR ELECTRICAL INSTALLATION. THE RESERVED SPACE SHALL BE POSITIONED AT THE OPPOSITE (LOAD) END FROM THE INPUT FEEDER LOCATION OR MAIN CIRCUIT LOCATION AND SHALL BE PERMANENTLY MARKED AS 'FOR FUTURE SOLAR ELECTRIC'
21. BUILDINGS SHALL HAVE APPROVED ADDRESS NUMBERS, BUILDING NUMBERS OR APPROVED BUILDING IDENTIFICATION PLACED IN A POSITION THAT IS PLAINLY LEGIBLE AND VISIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY.
22. PROTECTION OF WOOD AND WOOD BASED PRODUCTS FROM DECAY SHALL BE PROVIDED IN THE LOCATIONS SPECIFIED PER SECTION R317.1 BY THE USE OF NATURALLY DURABLE WOOD OR WOOD THAT IS PRESERVATIVE-TREATED IN ACCORDANCE WITH AWPA U1 FOR THE SPECIES, PRODUCE, PRESERVATIVE AND END USE. PRESERVATIVES SHALL BE LISTED IN SECTION 4 OF AWPA U1.
23. PROVIDE ANTI-GRAFFITI FINISH WITHIN THE FIRST 9 FEET, MEASURED FROM GRADE, AT EXTERIOR WALLS AND DOORS.
24. APPLICATIONS FOR WHICH NO PERMIT IS ISSUED WITHIN 180 DAYS FOLLOWING THE DATE OF APPLICATION SHALL AUTOMATICALLY EXPIRE. (R105.3.2 CRC)
25. EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS WORK AUTHORIZED IS COMMENCED WITHIN 180 DAYS OR IF THE WORK AUTHORIZED IS SUSPENDED OR ABANDON FOR A PERIOD OF 180 DAYS. A SUCCESSFUL INSPECTION MUST BE OBTAINED WITHIN 180 DAYS. A PERMIT MAY BE EXTENDED IF A WRITTEN REQUEST STATING JUSTIFICATION FOR EXTENSION AND AN EXTENSION FEE IS RECEIVED PRIOR TO EXPIRATION OF THE PERMIT AND GRANTED BY THE BUILDING OFFICIAL. NO MORE THAN ONE (1) EXTENSION MAY BE GRANTED. PERMITS WHICH HAVE BECOME INVALID SHALL PAY A REACTIVATION FEE OF APPROXIMATELY 50% OF THE ORIGINAL PERMIT FEE AMOUNT WHEN THE PERMIT HAS BEEN EXPIRED FOR UP TO SIX (6) MONTHS. WHEN A PERMIT HAS BEEN EXPIRED FOR A PERIOD IN EXCESS OF ONE (1) YEAR, THE REACTIVATION FEE SHALL BE APPROXIMATELY 100% OF THE ORIGINAL PERMIT FEE. (R105.3 CRC).
26. EFFECTIVE JAN 1, 2014, SB 407 REQUIRES REPLACEMENT OF ALL NONCOMPLIANT PLUMBING FIXTURES IN PROPERTIES BUILT ON OR BEFORE JAN 1, 1994 WITH WATER-CONSERVING PLUMBING FIXTURES.
27. THE PANEL OR SUBPANEL SHALL PROVIDE CAPACITY TO INSTALL A 40-AMPERE MINIMUM DEDICATED BRANCH CIRCUIT AND SPACE(S) RESERVED TO PERMIT INSTALLATION OF A BRANCH CIRCUIT OVERCURRENT PROTECTIVE DEVICE.
28. THE SERVICE PANEL OR SUBPANEL CIRCUIT DIRECTORY SHALL IDENTIFY THE OVERCURRENT PROTECTIVE DEVICE SPACE(S) RESERVED FOR FUTURE EV CHARGING AS EV CAPBLE. THE RACEWAY TERMINATION LOCATION SHALL BE PERMANENT AND VISIBLY MARKED EV CAPABLE.
29. EARTH IMPORT AND EXPORT ACTIVITIES MAY TAKE PLACE ONLY BETWEEN THE HOURS OF 9:00AM AND 3:00 P.M., MONDAY THROUGH FRIDAY.
30. MIN. 1" (INSIDE DIAMETER) LISTED RACEWAY IS INSTALLED FOR EACH UNIT TO ACCOMMODATE A DEDICATED 108/240 VOLT BRANCH CIRCUIT. THE RACEWAY SHALL ORIGINATE AT THE MAIN SERVICE OR A SUBPANEL AND TERMINATE IN CLOSE PROXIMITY TO THE PROPOSED LOCATION OF THE CHARGING SYSTEM INTO A LISTED CABINET, BOX OR ENCLOSURE.
31. THE PANEL OR SUBPANEL SHALL PROVIDE CAPACITY TO INSTALL A 40-AMPERE MIN. DEDICATED BRANCH CIRCUIT AND SPACE(S) RESERVED TO PERMIT INSTALLATION OF BRANCH CIRCUIT OVERCURRENT PROTECTIVE DEVICE.
32. THE SERVICE PANEL OR SUBPANEL CIRCUIT DIRECTORY SHALL IDENTIFY THE OVERCURRENT PROTECTIVE DEVICE SPACE(S) RESERVED FOR FUTURE EV CHARGING AS EV CAPABLE. THE RACEWAY TERMINATION LOCATION SHALL BE PERMANENT AND VISIBLY MARKED EV CAPABLE.

ADU DESIGN VARIATIONS:

- OPTION 1 (T)**
TRADITIONAL STYLE, GABLE ROOF, SHINGLES, SMOOTH STUCCO, SIDING COMBINATION
- OPTION 1 (S)**
SPANISH COLONIAL STYLE, GABLE TILE ROOF, STUCCO
- OPTION 2 (S)**
SPANISH COLONIAL STYLE, FLAT ROOF WITH PARAPET, STUCCO
- LAYOUT OF EACH OPTION CAN BE REVERSED/MIRRORED ON THE LOT



1 SAMPLE SITE PLAN

1/8" = 1'-0"

ADDRESS

SAMPLE SITE PLAN

NOTES:

SCALE: 1/8" = 1'-0"

DATE: 05.08.2024

0.1

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CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD

Project Name: Proposed ADU for Standard Plan Calculation Date/Time: 2024-04-10T17:24:20-07:00
Calculation Description: Title 24 Analysis Input File Name: 21-0018 - Standard ADU - Option 2.r1bd22x

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Table with 2 columns: Item ID and Description. Includes 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, Fuel Type.

Table with 2 columns: Item ID and Description. Compliance Results: 01 Building Complies with Computer Performance, 02 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, 03 This building incorporates one or more Special Features shown below.

Registration Number: 424-P010062614A-000-000-0000000-0000 Registration Date/Time: 04/10/2024 17:28 HERS Provider: CHEERS
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Table with 5 columns: Gross EUH, Net EUH, Standard Design, Proposed Design, Compliance Margin, Margin Percentage. Includes Notes: 1. Gross EUH is Energy Use Total (not including PV) / Total Building Area, 2. Net EUH is Energy Use Total (including PV) / Total Building Area.

Table with 12 columns: Item ID, DC System Size (kWdc), Exception, Module Type, Array Type, Power Electronics, CF1, Azimuth (deg), Tilt Input, Array Angle (deg), Inverter Eff. (%), Annual Solar Access (%).

REQUIRED SPECIAL FEATURES: The following are features that must be installed as condition for meeting the modeled energy performance for this computer analysis.
Northwest Energy Efficiency Alliance (NEEA) rated heat pump water heater; specific brand/model, or equivalent, must be installed.

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 CF2Rs and CF3Rs are required to be completed in the HERS Registry.

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Table with 7 columns: Energy Design Ratings (Source Energy, Efficiency, Total EDR) and Compliance Margins (Source Energy, Efficiency, Total EDR). Includes RESULT: PASS.

1 Efficiency EDR includes improvements like a better building envelope and more efficient equipment
2 Total EDR includes efficiency and demand response measures such as photovoltaic (PV) system and batteries
3 Building complies when source energy, efficiency and total compliance margins are greater than or equal to zero and unmet load hour limits are not exceeded.

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Table with 7 columns: Item ID, 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: Item ID, Zone Name, Zone Type, HVAC System Name, Zone Floor Area, Avg. Ceiling Height, Water Heating System, Status.

Table with 8 columns: Item ID, Name, Zone, Construction, Azimuth, Orientation, Gross Area, Window and Door Area, Tilt.

Table with 11 columns: Item ID, Name, Zone, Construction, Azimuth, Orientation, Area, Skylight Area, Roof Rise, Roof Reflectance, Roof Emittance, Cool Roof.

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Table with 7 columns: Energy Use, Standard Design Source Energy, Standard Design TDV Energy, Proposed Design Source Energy, Proposed Design TDV Energy, Compliance Margin, Compliance Margin.

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Table with 14 columns: Item ID, Name, Type, Surface, Orientation, Azimuth, Width, Height, Mult., Area, U-factor, U-factor Source, SHGC, SHGC Source, Exterior Shading.

Table with 8 columns: Item ID, Name, Zone, Area, Perimeter, Edge Insul. R-value and Depth, Edge Insul. R-value and Depth, Carpeted Fraction, Heated.

Table with 8 columns: Item ID, Construction Name, Surface Type, Construction Type, Framing, Total Cavity R-value, Interior / Exterior Continuous R-value, U-factor, Assembly Layers.

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Table with 5 columns: Item ID, Quality Insulation Installation, High R-value Spray Foam Insulation, Building Envelope Air Leakage, CFM50, CFM50.

Table with 9 columns: Item ID, Name, System Type, Distribution Type, Water Heater Name, Number of Units, Solar Heating System, Compact Distribution, HERS Verification, Water Heater Name.

Table with 8 columns: Item ID, Name, # of Units, Tank Vol., NEEA Heat Pump Brand, NEEA Heat Pump Model, Tank Location, Duct Inlet Air Source, Duct Outlet Air Source.

Table with 7 columns: Item ID, Name, Pipe Insulation, Parallel Piping, Compact Distribution, Compact Distribution, Recirculation Control, Shower Drain Water Heat Recovery.

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Table with 9 columns: Item ID, Name, System Type, Heating Unit Name, Heating Equipment Count, Cooling Unit Name, Cooling Equipment Count, Fan Name, Distribution Name, Required Thermostat Type.

Table with 13 columns: Item ID, Name, System Type, Number of Units, Heating Efficiency Type, HSPF/HSPF2/ COP, Cap 47, Cap 17, Cooling Efficiency Type, SEER/SEER2/CEER, EER/EER2, Zonally Controlled, Compressor Type, HERS Verification.

Table with 9 columns: Item ID, Name, Verified Airflow, Airflow Target, Verified EER/EER2, Verified SEER/SEER2, Verified Refrigerant Charge, Verified HSPF/HSPF2, Verified Heating Cap 47, Verified Heating Cap 17.

Table with 9 columns: Item ID, Dwelling Unit, Airflow (CFM), Fan Efficacy (W/CFM), IAQ Fan Type, Includes Heat/Energy Recovery?, IAQ Recovery Effectiveness - SRE/ASRE, Includes Fault Indicator Display?, HERS Verification, Status.

Registration Number: 424-P010062614A-000-000-0000000-0000 Registration Date/Time: 04/10/2024 17:28 HERS Provider: CHEERS
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CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD

Project Name: Proposed ADU for Standard Plan Calculation Date/Time: 2024-04-10T17:24:20-07:00
Calculation Description: Title 24 Analysis Input File Name: 21-0018 - Standard ADU - Option 2.r1bd22x

CF1R-PRF-01-E (Page 9 of 9)

Documentation Author's Declaration Statement, Responsible Person's Declaration Statement, Responsible Designer Name, Documentation Author Signature, Responsible Designer Signature.

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Registration Number: 424-P010062614A-000-000-0000000-0000 Registration Date/Time: 04/10/2024 17:28 HERS Provider: CHEERS
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ADU STANDARD PLAN

TITLE 24

SCALE: DATE: 04.11.2024

T-24.1



2022 Single-Family Residential Mandatory Requirements Summary

NOTE: Single-family residential buildings subject to the Energy Codes must comply with all applicable mandatory measures, regardless of the compliance approach used. Review the respective section for more information. (04/2022)

Table with 2 columns: Code Reference and Requirement Description. Includes sections for Building Envelope, Fireplaces, Space Conditioning, and Solar Readiness.

5/6/22



2022 Single-Family Residential Mandatory Requirements Summary

Table with 2 columns: Code Reference and Requirement Description. Includes sections for Building Envelope, Fireplaces, Space Conditioning, and Solar Readiness.

5/6/22



2022 Single-Family Residential Mandatory Requirements Summary

Table with 2 columns: Code Reference and Requirement Description. Includes sections for Pilot Lights, Building Cooling and Heating Loads, Ducts and Fans, and Gravity Ventilation Dampers.

5/6/22



2022 Single-Family Residential Mandatory Requirements Summary

Table with 2 columns: Code Reference and Requirement Description. Includes sections for Energy Storage System (ESS) Ready, Heat Pump Space Heater Ready, Electric Cooptop Ready, and Electric Clothes Dryer Ready.

*Exceptions may apply.

5/6/22



2022 Single-Family Residential Mandatory Requirements Summary

Table with 2 columns: Code Reference and Requirement Description. Includes sections for Space Conditioning System Airflow Rate and Fan Efficacy, Ventilation and Indoor Air Quality, Pool and Spa Systems and Equipment, and Lighting.

5/6/22



ADU STANDARD PLAN

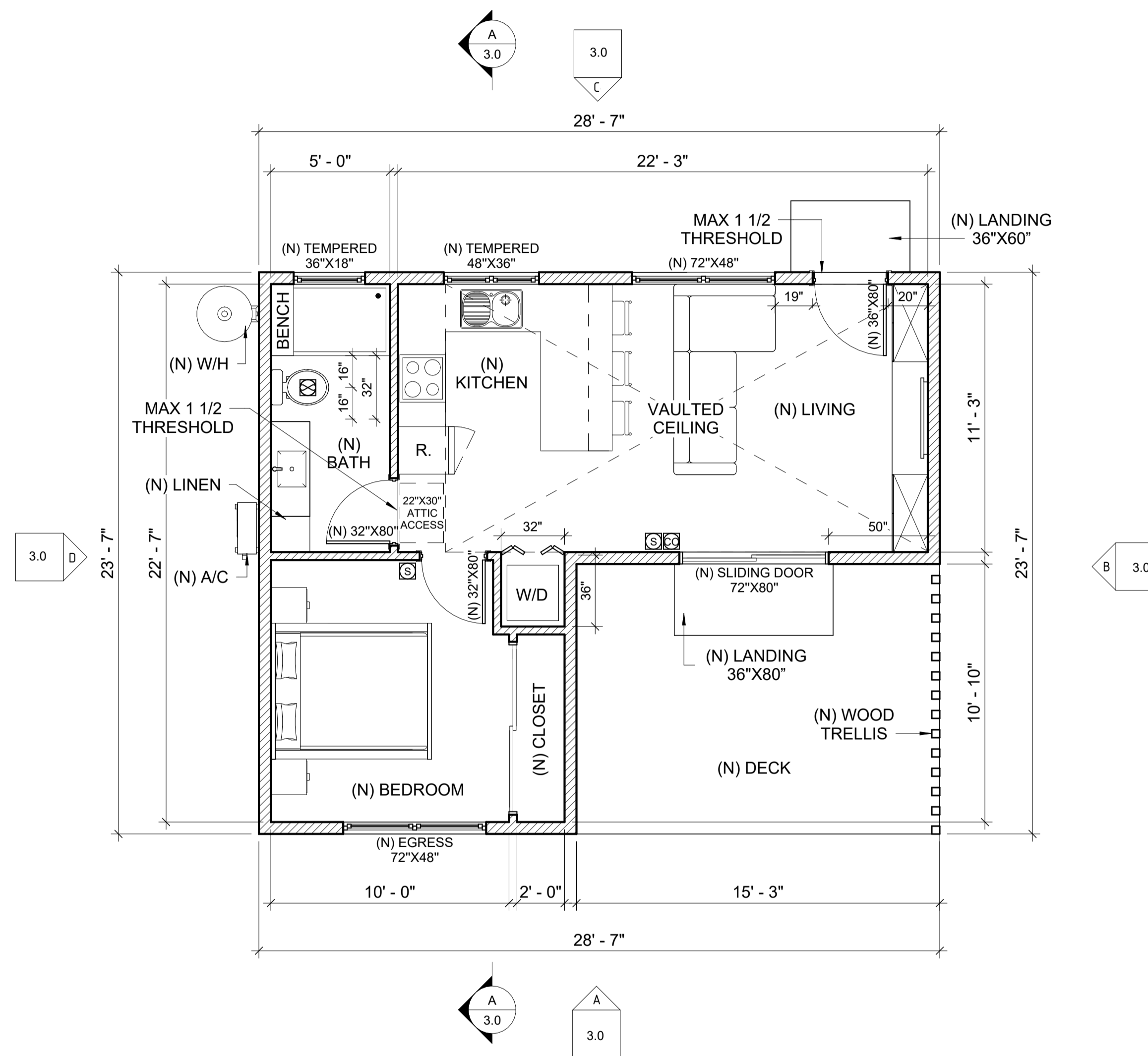
TITLE 24

SCALE: DATE: 04.11.2024

T-24.2

FLOOR PLAN NOTES:

- PROVIDE MIN. 24" CLEAR IN FRONT OF THE WATER CLOSET.
- PROVIDE MIN. 30" CLEAR WIDTH FOR THE WATER CLOSET
- HANDRAIL 34"-46" ABOVE THE STAIR NOSING PER APPLICABLE CBC
- 42" HIGH GUARDRAIL, PER APPLICABLE CBC
- DRYER, VENT HORIZONTAL TO OUTSIDE W/ BACKDRAFT DAMPER.
- ROOF ABOVE
- BASEMENT BELOW
- 5/8" TYPE "X" GYP. BD. IN THE GARAGE AND UNDER STAIRS AT ENCLOSED USABLE SPACE W/ 6d COOLER NAILS @ 7" O.C.
- ULTRA-LOW CONSUMPTION WATER CLOSET (1.28 GAL/FLUSH).
- PROVIDE COPPER WATER LINE FOR ICE MAKER
- PROVIDE WATER AND WASTE FOR WASHER (RECESSED BOX AT INTERIOR LOCATIONS)
- ELECTRICAL SERVICE PANEL
- SHOWER DRAIN IN FLOOR BELOW WASHER, CONN. TO 1 1/2" - DIA ABS PIPE W/ 1/4" PER FOOT SLOPED TO EXT.
- 30" WIDE COOK TOP, BUILT-IN HOOD WITH LIGHT AND VENT TO OUTSIDE AIR.
- STAIRS:
 - STAIRS SHALL HAVE MIN. 7.75" RISE & MIN. 10" RUN
 - MIN. 6'-8" HEADROOM CLEARANCE.
 - MIN. 30" CLEAR WIDTH
 - HANDRAILS 34" TO 38" HIGH ABOVE TREAD NOSING
 - HANDGRIPS PORTION OF HANDRAIL SHALL NOT BE LESS THAN 1.25" AND NO MORE THAN 2" CROSS-SECTIONAL DIMENSION HAVING A SMOOTH SURFACE WITH NO SHARP CORNERS
 - MAX. 4" CLEAR SPACING OPENING BETWEEN RAILS
- GLAZING IN HAZARDOUS LOCATIONS SHALL BE TEMPERED. (2406.4)
 - PANELS IN SLIDING OR SWINGING DOORS.
 - DOORS AND ENCLOSURE FOR HOT TUB, BATHTUB, SHOWERS (ALSO GLAZING IN WALL ENCLOSING THESE COMPARTMENTS WITHIN 5 FT. OF STANDING SURFACE.
 - GLAZING IN FIXED OR OPENABLE PANELS TO A DOOR WHERE THE NEAREST EXPOSED EDGE OF THE GLAZING IS WITHIN A 24 INCH ARC OF VERTICAL EDGE OF THE DOOR IN A CLOSED POSITION AND WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60 INCHES ABOVE THE WALKING SURFACE.
- PROVIDE SLIDING FLY SCREEN AT OPENABLE PORTIONS OF SLIDING DOORS. PROVIDE STATIONARY FLY SCREENS AT OPENABLE PORTIONS OF WINDOWS.
- EACH WATER CLOSET STOOL SHOULD BE LOCATED IN A CLEAR SPACE NOT LESS THAN 30" IN WIDTH AND HAVE A MINIMUM CLEAR SPACE IN FRONT OF IT NOT LESS THAN 24" MAXIMUM 1.0 GALLONS/FLUSH FOR ALL TEE WATER CLOSETS.
- PROVIDE ONLY VENTLESS ON-DEMAND WATER HEATERS
- FIRE BLOCKING MUST BE PROVIDED IN ACCORDANCE WITH SECTION 717 IN THE FOLLOWING LOCATIONS:
 - IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES, AT THE CEILING AND FLOOR LEVELS.
 - IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES, AT 10 FOOT INTERVALS ALONG THE LENGTH OF THE WALL
 - AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILING AND COVERED CEILING
 - IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN AND BETWEEN STUDS ALONG AND IN LINE WITH THE RUN OF STAIRS IF THE WALL UNDER THE STAIRS IS UNFINISHED.
 - IN OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS, FIREPLACES AND SIMILAR OPENINGS WHICH AFFORD A PASSAGE FOR FIRE AT CEILING AND FLOOR LEVELS, WITH NONCOMBUSTIBLE MATERIALS. SUCH CLEARANCE SHALL BE MEASURED VERTICALLY FROM A PLANE PARALLEL AND TANGENT TO THE STAIRWAY TREAD NOSING TO THE SOFFIT ABOVE ALL POINTS.
- PROVIDE 6" INCH CLEAR ONCE SIDES, BACK, FRONT AND CEILING OF THE FURNACE.
- THE CONSTRUCTION SHALL NOT RESTRICT A FIVE-FOOT CLEAR AND UNOBSTRUCTED ACCESS TO ANY WATER OR POWER DISTRIBUTION FACILITIES (POWER POLES, PULL-BOXES, TRANSFORMERS, VAULTS, PUMPS, VALVES, METERS, APPURTENANCES, ETC.) OR TO THE LOCATION OF THE HOOK-UP. THE CONSTRUCTION SHALL NOT BE WITHIN TEN FEET OF ANY POWER LINES-WHETHER OR NOT THE LINES ARE LOCATED ON THE PROPERTY. FAILURE TO COMPLY MAY CAUSE CONSTRUCTION DELAYS AND/OR ADDITIONAL EXPENSES.
- AN APPROVED SEISMIC GAS SHUTOFF VALVE WILL BE INSTALLED ON THE FUEL GAS LINE ON THE DOWN STREAM SIDE OF THE UTILITY METER AND BE RIGIDLY CONNECTED TO THE EXTERIOR OF THE BUILDING OR STRUCTURE CONTAINING THE FUEL GAS PIPING. PER ORDINANCE 170,158 INCLUDES COMMERCIAL ADDITIONS AND TI WORK OVER \$10,000. SEPARATE PLUMBING PERMIT IS REQUIRED.
- PROVIDE ULTRA-LOW FLUSH WATER CLOSETS FOR ALL NEW CONSTRUCTIONS. EXISTING SHOWER HEADS AND TOILETS MUST BE ADAPTED FOR LOW WATER CONSUMPTION.
- PROVIDE 72" HIGH NON-ABSORBENT WALL ADJACENT TO SHOWER AND APPROVED SHATTER-RESISTANT MATERIALS FOR SHOWER ENCLOSURE
- WATER HEATER MUST BE STRAPPED TO WALL
- UNDER FLOOR VENTILATION OPENINGS IN THE UNDER FLOOR AREA SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS:
 - THE TOP OF THE OPENING SHALL BE LOCATED NOT MORE THAN 12 INCHES BELOW THE BOTTOM OF THE FLOOR JOIST.
 - THE OPENINGS SHALL BE DISTRIBUTED APPROXIMATELY EQUALLY AND LOCATED TO PROVIDE CROSS VENTILATION, FOR EXAMPLE, BE LOCATING THE OPENING ALONG THE LENGTH OF AT LEAST TWO OPPOSITE SIDES OF THE BUILDING
 - THE OPENINGS SHALL BE THE LARGER OF: 1.5 SQUARE FEET FOR EACH 25 LINEAR FEET OR FRACTION OF EXTERIOR WALL OR OPENINGS SHALL BE EQUAL TO 1% OF UNDER FLOOR AREA. THE OPENINGS MAY BE COVERED WITH CORROSION RESISTANT WIRE MESH WITH MESH
- OPENINGS OF GREATER THAN 1.4 INCH AND LESS THAN 1.2 INCH IN DIMENSION. BUILDINGS WITH NATURAL VENTILATION ARE EXEMPTED FROM THE CONSTRUCTION REQUIREMENTS OF TABLE 71 PROVIDED THEY COMPLY WITH THE FOLLOWING:
 - THE UNOBSTRUCTED OPENINGS SHALL EXCHANGE OUTSIDE AIR
 - THE SIZE OF THE UNOBSTRUCTED OPENINGS SHALL BE THE LARGER OF: 25% OF THE TOTAL PERIMETER WALL AREA OF THE LOWEST LEVEL OF THE BUILDING, OR AT LEAST 25% OF THE FLOOR AREA OF THE LOWEST OF THE BUILDING.
 - THE UNOBSTRUCTED OPENINGS SHALL BE EVENLY DISTRIBUTED AND LOCATED WITHIN THE UPPER PORTION OF AT LEAST TWO OPPOSITE EXTERIOR WALLS OF THE LOWEST LEVEL OF THE BUILDING. THEY ARE PROVIDED WITH TRENCH DAMS AND CABLE OR CONDUIT SEALS.
- PLUMBING FIXTURES ARE REQUIRED TO BE CONNECTED TO A SANITARY SEWER OR TO AN APPROVED SEWAGE DISPOSAL SYSTEM.
- KITCHEN SINKS, LAVATORIES, BATHTUBS, SHOWERS, BIDETS, LAUNDRY TUBS AND WASHING MACHINE OUTLETS SHALL BE PROVIDED WITH HOT AND COLD WATER AND CONNECTED TO AN APPROVED WATER SUPPLY.
- THE PANEL OR SUBPANEL SHALL PROVIDE CAPACITY TO INSTALL A 40-AMPERE MINIMUM DEDICATED BRANCH CIRCUIT AND SPACE(S) RESERVED TO PERMIT INSTALLATION OF A BRANCH CIRCUIT OVERCURRENT PROTECTIVE DEVICE.
- THE PANEL OR SUBPANEL CIRCUIT DIRECTORY SHALL IDENTIFY THE OVERCURRENT PROTECTIVE DEVICE SPACE(S) RESERVED FOR FUTURE EV CHARGING AS EV CAPABLE. THE RACEWAY TERMINATION LOCATION SHALL BE PERMANENT AND VISIBLY MARKED EV CAPABLE.
- THE ELECTRICAL SYSTEM SHALL HAVE SUFFICIENT CAPACITY TO SIMULTANEOUSLY CHARGE ALL DESIGNATED EV SPACES AT THE FULL RATED AMPERAGE OF THE EVSE. PLAN DESIGN SHALL BEBASED UPON A 40-AMPERE MIN. BRANCH CIRCUIT. A SEPARATE ELECTRICAL PERMIT IS REQUIRED.
- THE PANEL OR SUBPANEL CIRCUIT DIRECTORY SHALL IDENTIFY THE OVERCURRENT PROTECTIVE DEVICE SPACE(S) RESERVED FOR FUTURE EV CHARGING PURPOSES AS EV CAPABLE IN ACCORDANCE WITH THE LOS ANGELES ELECTRICAL CODE.
- THE FLOW RATES FOR ALL PLUMBING FIXTURES SHALL COMPLY WITH THE MAXIMUM FLOW RATES SPECIFIED IN SECTION 4.303.1.
- MULTI-FAMILY DWELLINGS NOT EXCEEDING THREE STORIES AND CONTAINING 50 UNITS OR LESS SHALL INSTALL A SEPARATE METER OR SUBMETER WITHIN COMMON AREAS AND WITHIN EACH INDIVIDUAL DWELLING UNIT.
- FOR PROJECTS THAT INCLUDE LANDSCAPE WORK, THE LANDSCAPE CERTIFICATION, FORM GRN 12, SHALL BE COMPLETED PRIOR TO FINAL INSPECTION APPROVAL.
- LOOKS SHALL BE INSTALLED ON ALL PUBLICLY ACCESSIBLE EXTERIOR FAUCETS AND HOSE BIBS. (4.304.4)
- FOR ONE- AND TWO-FAMILY DWELLINGS, ANY PERMANENTLY INSTALLED OUTDOOR IN-GROUND SWIMMING POOL OR SPA SHALL BE EQUIPPED WITH A COVER HAVING A MANUAL OR POWER-OPERATED REEL SYSTEM. FOR IRREGULAR-SHAPED POOLS WHERE IT IS INFEASIBLE TO COVER 100 PERCENT OF THE POOL DUE TO ITS IRREGULAR SHAPE, A MINIMUM OF 80 PERCENT OF THE POOL SHALL BE COVERED. (4.304.5)
- FOR SITES WITH OVER 500 SQUARE FEET OF LANDSCAPE AREA, WASTE PIPING SHALL BE ARRANGED TO PERMIT DISCHARGE FROM THE CLOTHES WASHER, BATHTUB, SHOWERS, AND BATHROOM/RESTROOMS WASH BASINS TO BE USED FOR A FUTURE GRAYWATER IRRIGATION SYSTEM. (4.305.1)
- WATER USED IN THE BUILDING FOR WATER CLOSETS, URINALS, FLOOR DRAINS, AND PROCESS COOLING AND HEATING SHALL COME FROM CITY-RECYCLE WATER IF AVAILABLE FOR USE WITHIN 200 FEET OF THE PROPERTY LINE. (4.305.2)
- BUILDING NOT EXCEEDING 25 STORIES SHALL HAVE COOLING TOWERS WITH MINIMUM OF 6 CYCLES OF CONCENTRATION (BLOWDOWN) OR HAVE A MINIMUM OF 50% OF MAKEUP WATER SUPPLY TO COOLING TOWERS COME FROM NON-POTABLE WATER SOURCES. (4.305.3.1)
- BUILDING EXCEEDING 25 STORIES SHALL HAVE COOLING TOWERS WITH MINIMUM OF 6 CYCLES OF CONCENTRATION (BLOWDOWN) AND HAVE A MINIMUM OF 100% OF MAKEUP WATER SUPPLY TO COOLING TOWERS COME FROM NON-POTABLE WATER SOURCES. (4.305.3.2)
- WHERE GROUNDWATER IS BEING EXTRACTED AND DISCHARGED, A SYSTEM FOR ONSITE REUSE OF THE GROUNDWATER SHALL BE DEVELOPED AND CONSTRUCTED IF THE GROUNDWATER WILL NOT BE DISCHARGED TO THE SEWER. (4.305.4)
- THE HOT WATER SYSTEM SHALL NOT ALLOW MORE THAN 0.6 GALLONS OF WATER TO BE DELIVERED TO ANY FIXTURE BEFORE HOT WATER ARRIVES OR SHALL COMPLY WITH EITHER LOS ANGELES PLUMBING CODE SECTION 610.4.1.2 OR 610.4.1.3.
- MATERIALS DELIVERED TO THE CONSTRUCTION SHALL BE PROTECTED FROM RAIN OR OTHER SOURCES OF MOISTURE.
- WOOD BURNING FIREPLACES AND OTHER WOOD BURNING DEVICES ARE PROHIBITED.
- ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, OR SHEET METAL UNTIL THE FINAL STARTUP OF THE HEATING, COOLING AND VENTILATING EQUIPMENT.
- ARCHITECTURAL PAINTS AND COATINGS, ADHESIVES, CAULKS AND SEALANTS SHALL COMPLY WITH THE VOLATILE ORGANIC COMPOUND (VOC) LIMITS LISTED IN TABLES 4.504.1- 4.504.3.
- THE VOC CONTENT VERIFICATION CHECKLIST, FORM GRN 2, SHALL BE COMPLETED AND VERIFIED PRIOR TO FINAL INSPECTION APPROVAL. THE MANUFACTURERS SPECIFICATIONS SHOWING VOC CONTENT FOR ALL APPLICABLE PRODUCTS SHALL BE READILY AVAILABLE AT THE JOB SITE AND BE PROVIDED TO THE FIELD INSPECTOR FOR VERIFICATION. (4.504.2.4)
- ALL NEW CARPET INSTALLED IN THE BUILDING INTERIOR SHALL MEET THE TESTING AND PRODUCT REQUIREMENTS OF ONE OF THE FOLLOWING:
 - CARPET AND RUG INSTITUTE'S GREEN LABEL PLUS PROGRAM
 - CALIFORNIA DEPARTMENT OF PUBLIC HEALTH'S SPECIFICATION 01350
 - NSF/ANSI 140 AT THE GOLD LEVEL
 - SCIENTIFIC CERTIFICATIONS SYSTEMS INDOOR ADVANTAGE™ GOLD (4.504.3)
- ALL NEW CARPET CUSHION INSTALLED IN THE BUILDING INTERIOR SHALL MEET THE REQUIREMENTS OF THE CARPET AND RUG INSTITUTE GREEN LABEL PROGRAM. (4.504.3.1)
- 80% OF THE TOTAL AREA RECEIVING RESILIENT FLOORING SHALL COMPLY WITH ONE OR MORE OF THE FOLLOWING:
 - CERTIFIED AS A CHPS LOW-EMITTING MATERIAL IN THE CHPS HIGH PERFORMANCE PRODUCTS DATABASE
 - CERTIFIED UNDER UL GREENGUARD GOLD
 - CERTIFIED UNDER THE RESILIENT FLOOR COVERING INSTITUTE (RFCI) FLOORSCORE PROGRAM IV. MEET THE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH'S SPECIFICATION 01350 (4.504.4)
- NEW HARDWOOD PLYWOOD, PARTICLE BOARD, AND MEDIUM DENSITY FIBERBOARD COMPOSITE WOOD PRODUCTS USED IN THE INTERIOR OR EXTERIOR OF THE BUILDING SHALL MEET THE FORMALDEHYDE LIMITS LISTED IN TABLE 4.504.5. (4.504.5)
- THE FORMALDEHYDE VERIFICATION CHECKLIST, FORM GRN 3, SHALL BE COMPLETED PRIOR TO FINAL INSPECTION APPROVAL. THE MANUFACTURERS SPECIFICATIONS SHOWING FORMALDEHYDE CONTENT FOR ALL APPLICABLE WOOD PRODUCTS SHALL BE READILY AVAILABLE AT THE JOB SITE AND BE PROVIDED TO THE FIELD INSPECTOR FOR VERIFICATION.
- NEW MECHANICALLY VENTILATED BUILDINGS WITHIN 1,000 FEET OF A FREEWAY SHALL PROVIDE REGULARLY OCCUPIED AREAS OF THE BUILDING WITH A MERV 13 FILTER FOR OUTSIDE AND RETURN AIR. FILTERS SHALL BE INSTALLED PRIOR TO OCCUPANCY AND RECOMMENDATIONS FOR MAINTENANCE WITH FILTERS OF THE SAME VALUE SHALL BE INCLUDED IN THE OPERATION AND MAINTENANCE MANUAL.



1 PROPOSED ADU FLOOR PLAN (N)

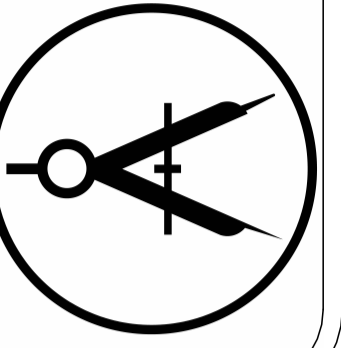
1/4" = 1'-0"

LEGEND

- NEW WALLS
- 1-HR WALL (REQUIRED IF FIRE SEPARATION DISTANCE IS LESS THAN 5')
- 120v HARD-WIRED SMOKE DETECTOR WITH BATTERY BACK UP
- CARBON MONOXIDE SENSOR
- EXHAUST FAN CAPABLE OF FIVE AIR CHANGES PER MINUTE ENERGY STAR COMPLIANT W/HUMIDISTAT

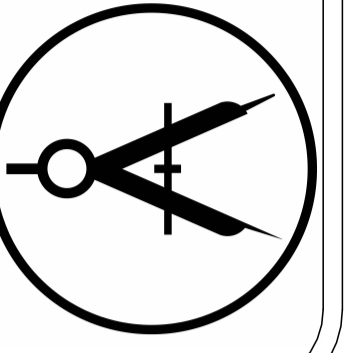
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DATE: 05.08.2024



ADDRESS

PROPOSED ADU FLOOR PLAN



ADDRESS

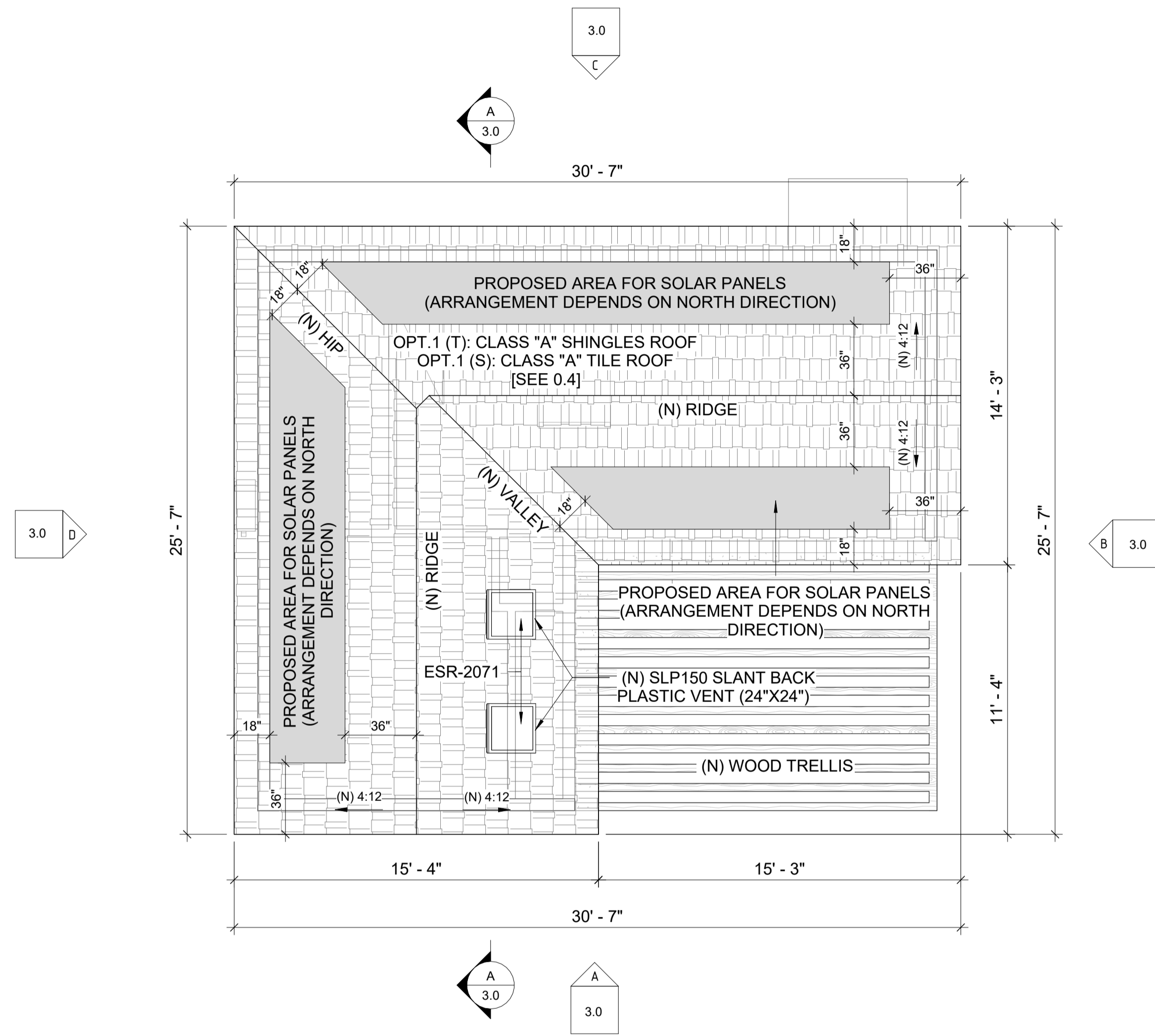
PROPOSED ADU ROOF PLANS

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DATE: 05.08.2024

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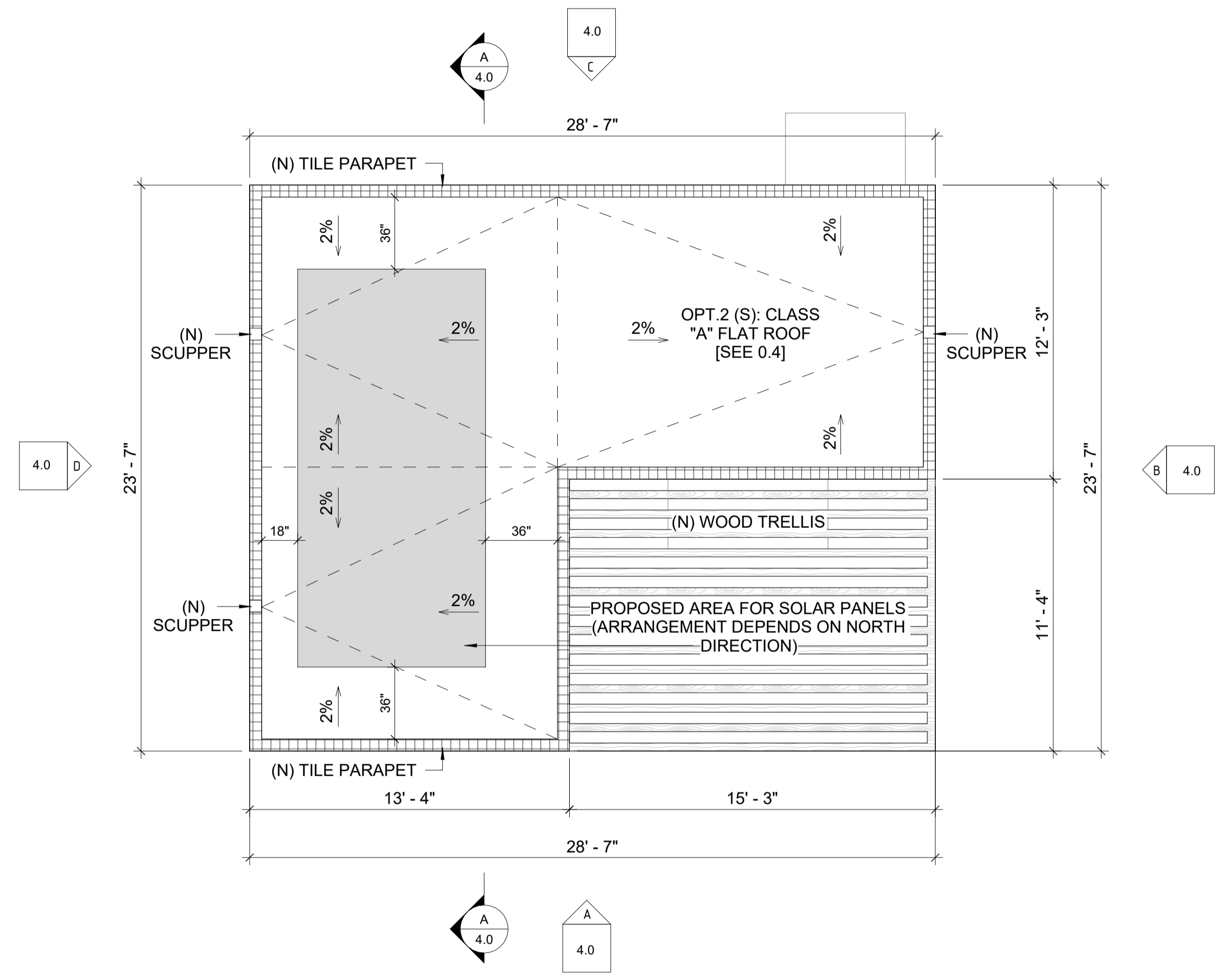
1 PROPOSED ADU ROOF PLAN (OPTION 1) (N)
 1/4" = 1'-0"

ATTIC VENTILATION:

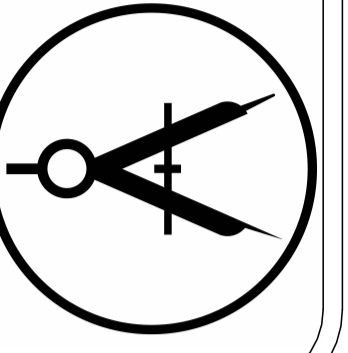
AREA OF THE NEW ROOF TO BE VENTILATED: 208.0 S.F.
 VENTILATION REQUIRED: 208.0 / 150 = 1.40 S.F.
 VENTILATION PROVIDED:
 PROVIDED 2X SLP150 SLANT BACK PLASTIC VENT
 (24"X24") 1.04 S.F.
 TOTAL PROVIDED: 1.04 S.F. X 2 = 2.08 S.F

ROOF AREA:

PROPOSED NEW ROOF AREA: 610.0 S.F.



2 PROPOSED ADU ROOF PLAN (OPTION 2) (N)
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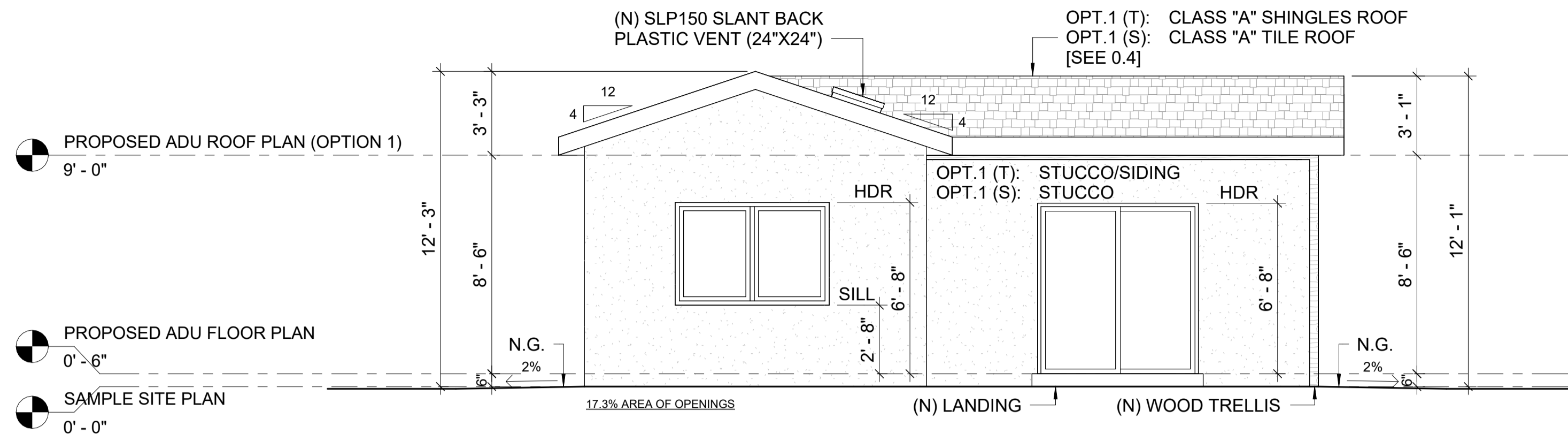
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PROPOSED ADU
 ELEVATIONS, SECTION A-A
 (OPTION 1)

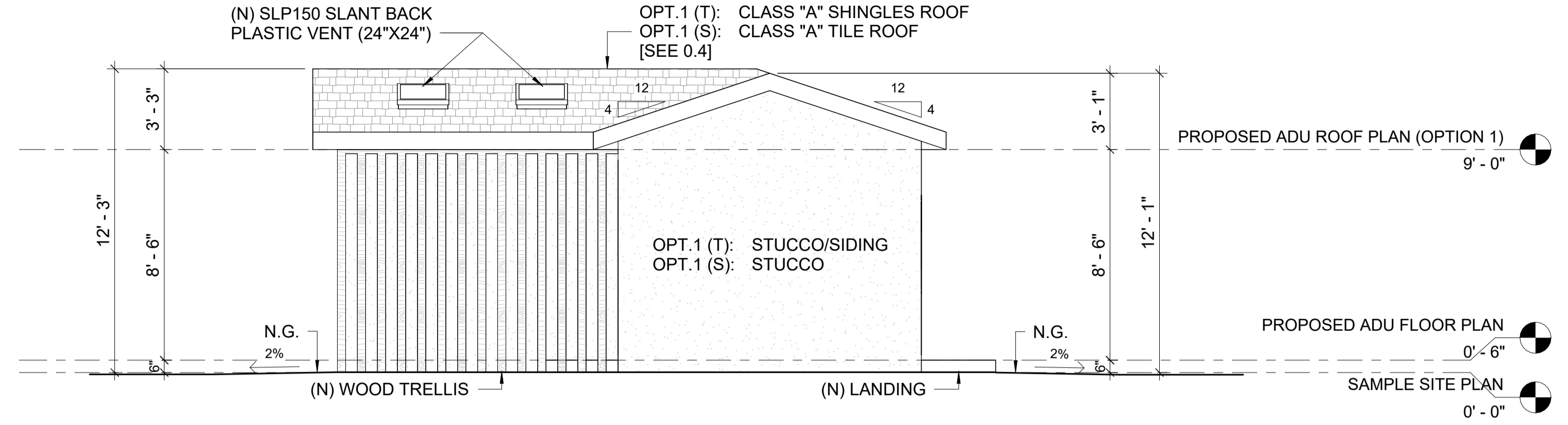
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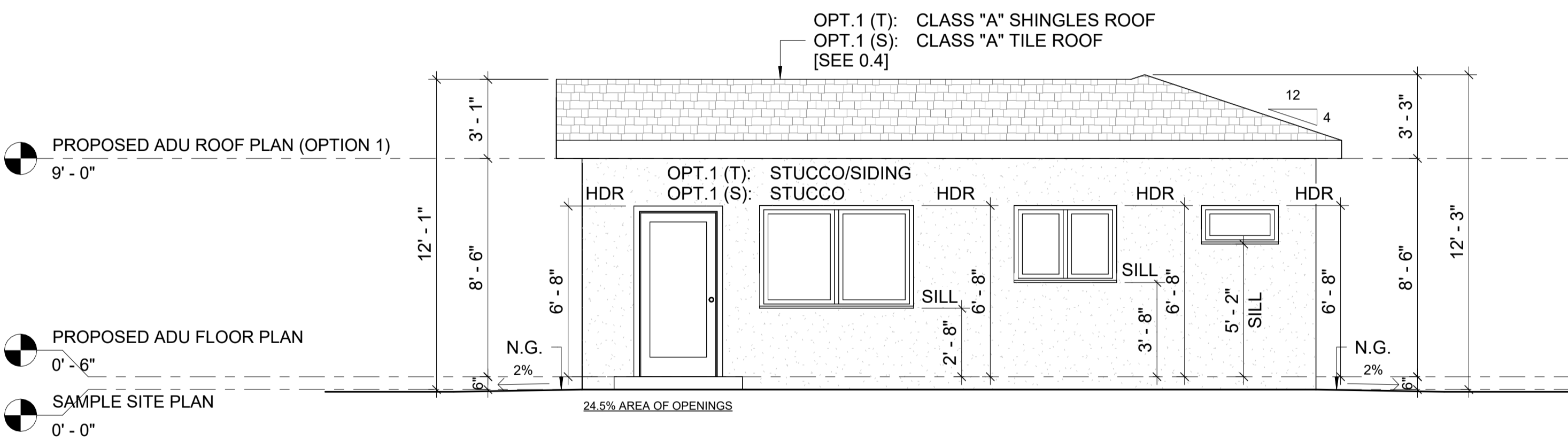
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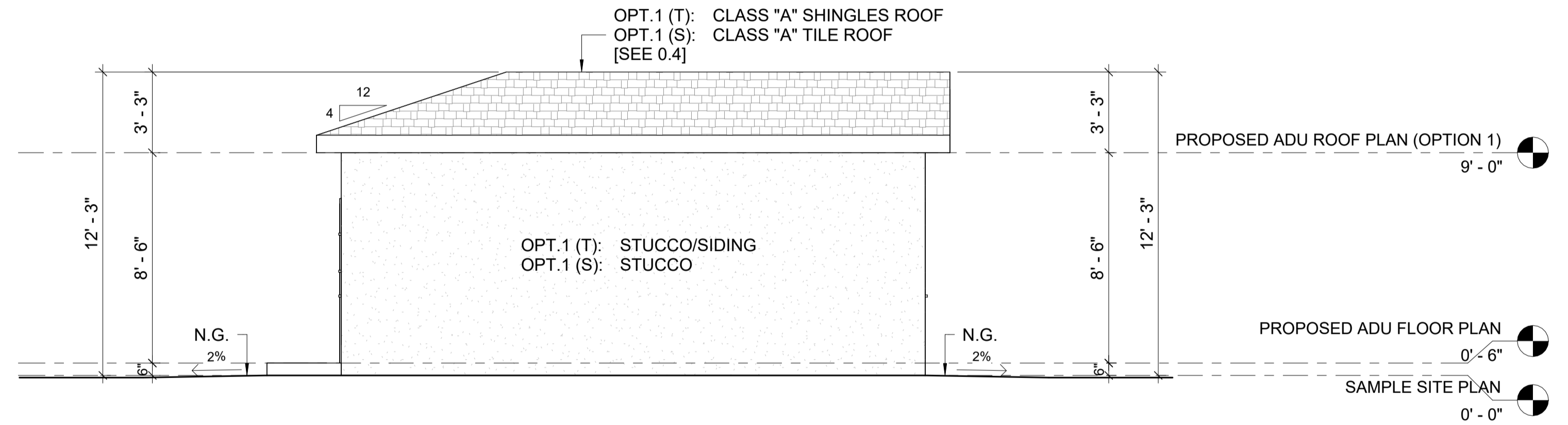
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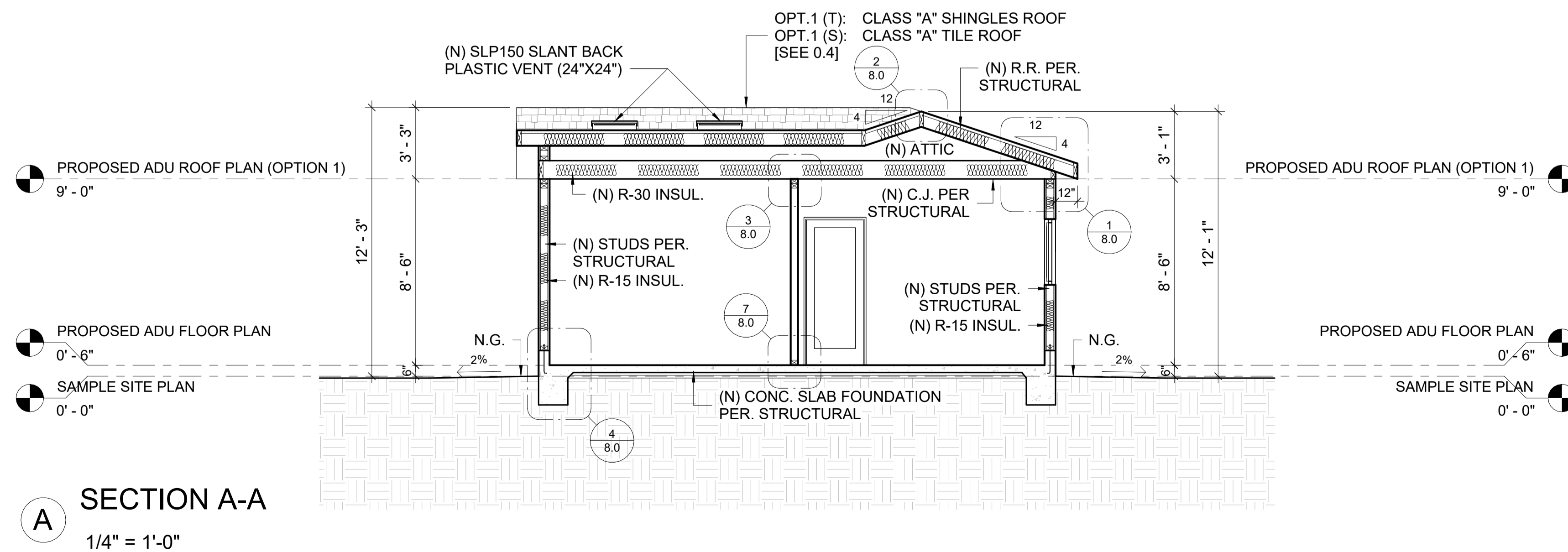
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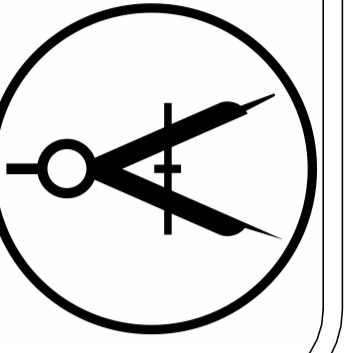
3 ELEVATION C (OPTION 1)
 1/4" = 1'-0"



4 ELEVATION D (OPTION 1)
 1/4" = 1'-0"



A SECTION A-A
 1/4" = 1'-0"



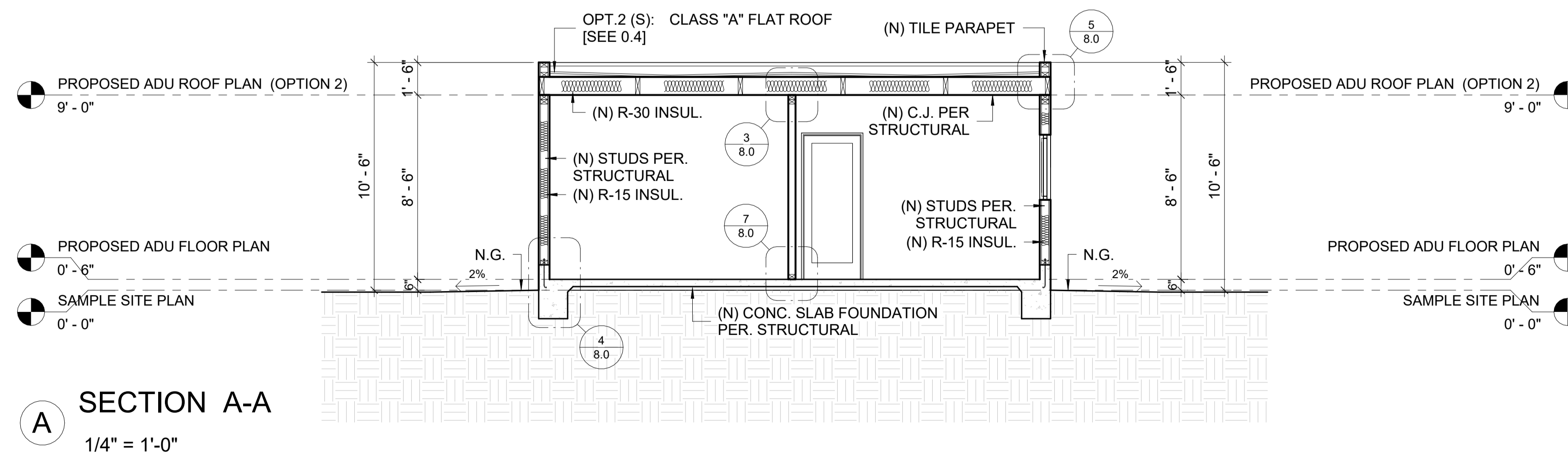
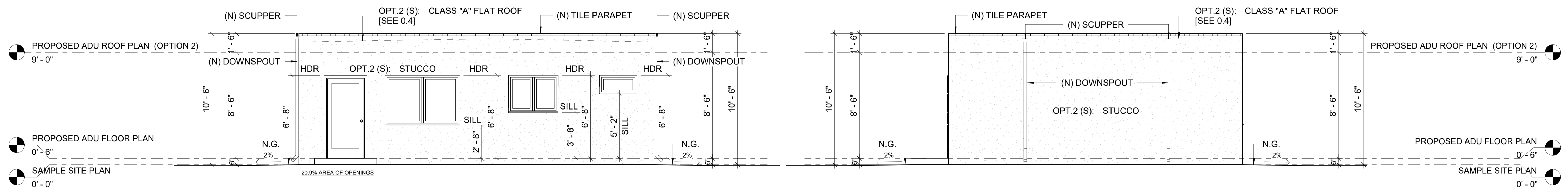
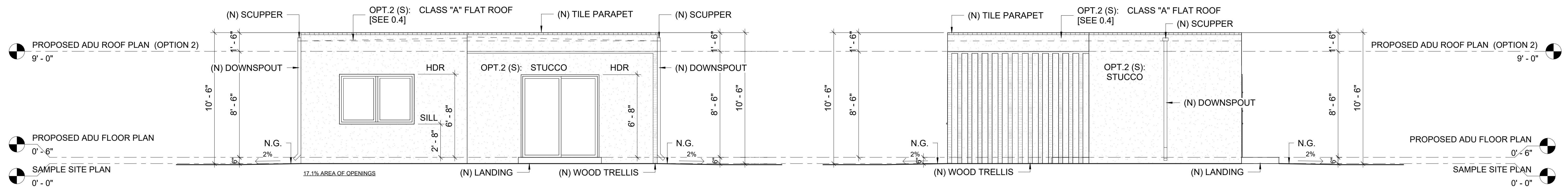
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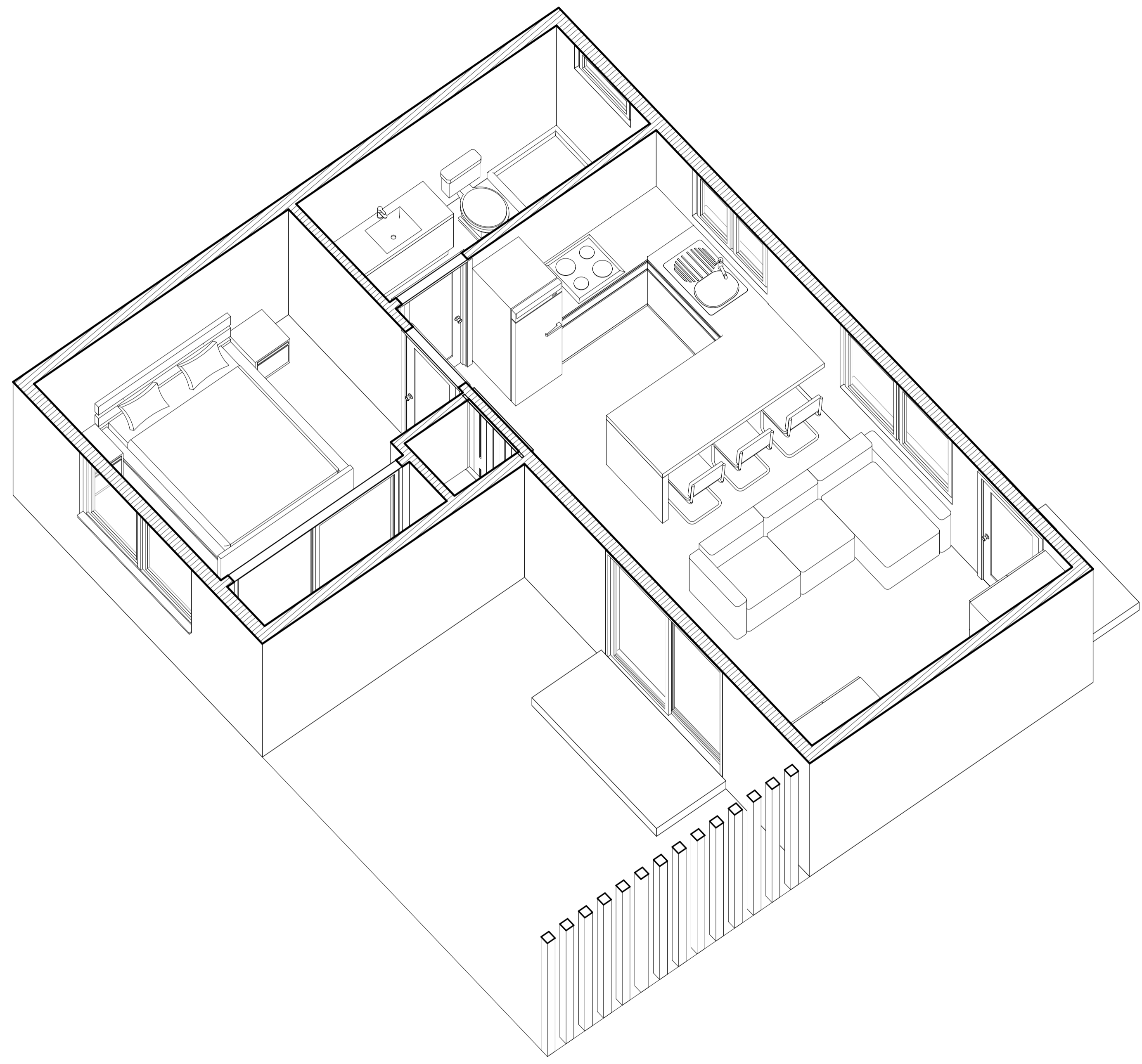
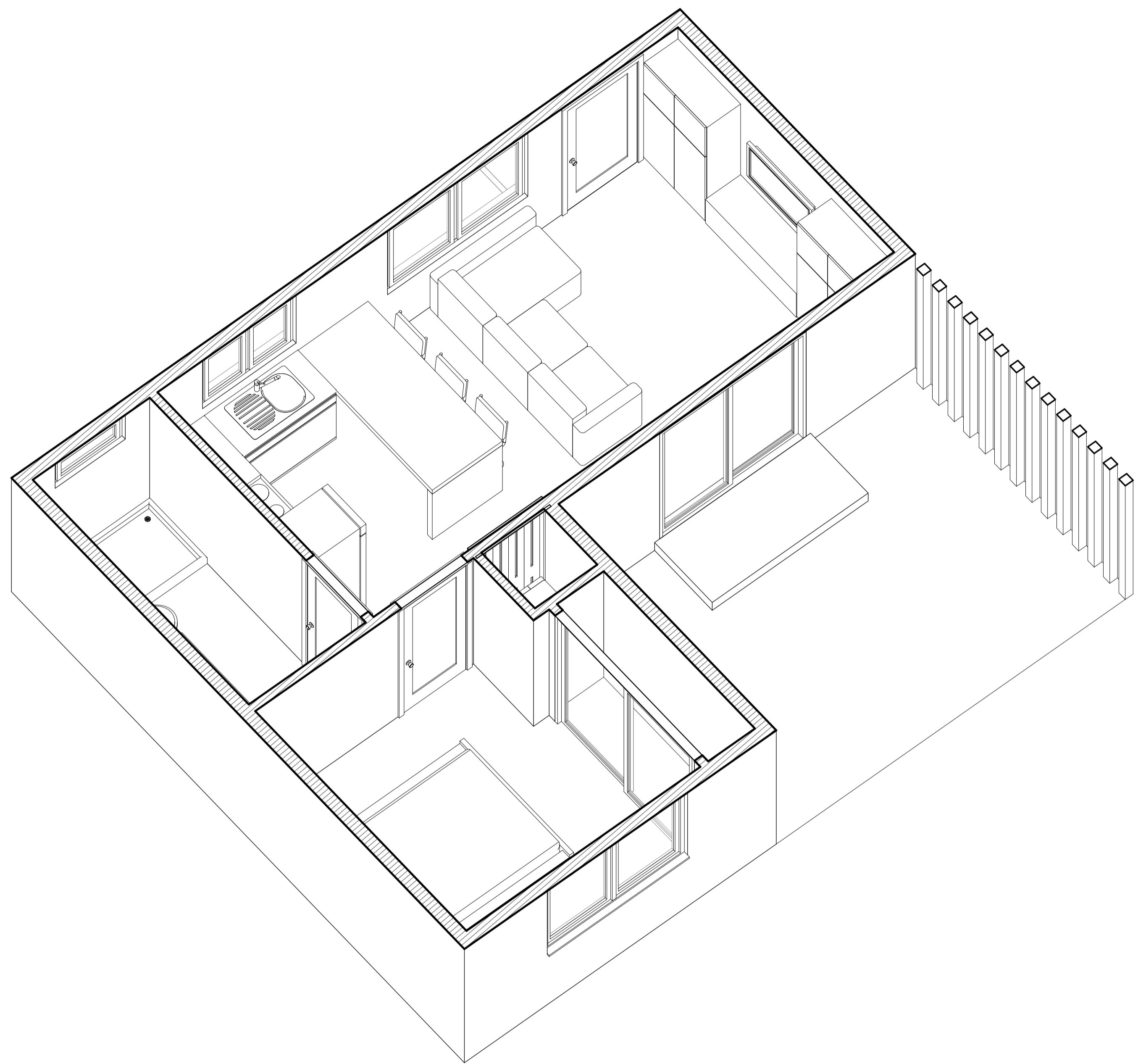
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 ELEVATIONS, SECTION A-A
 (OPTION 2)

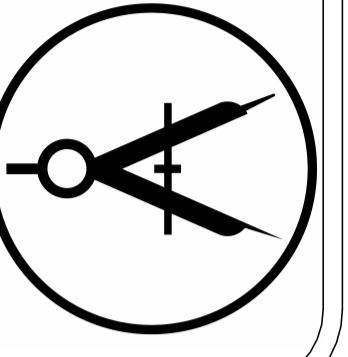
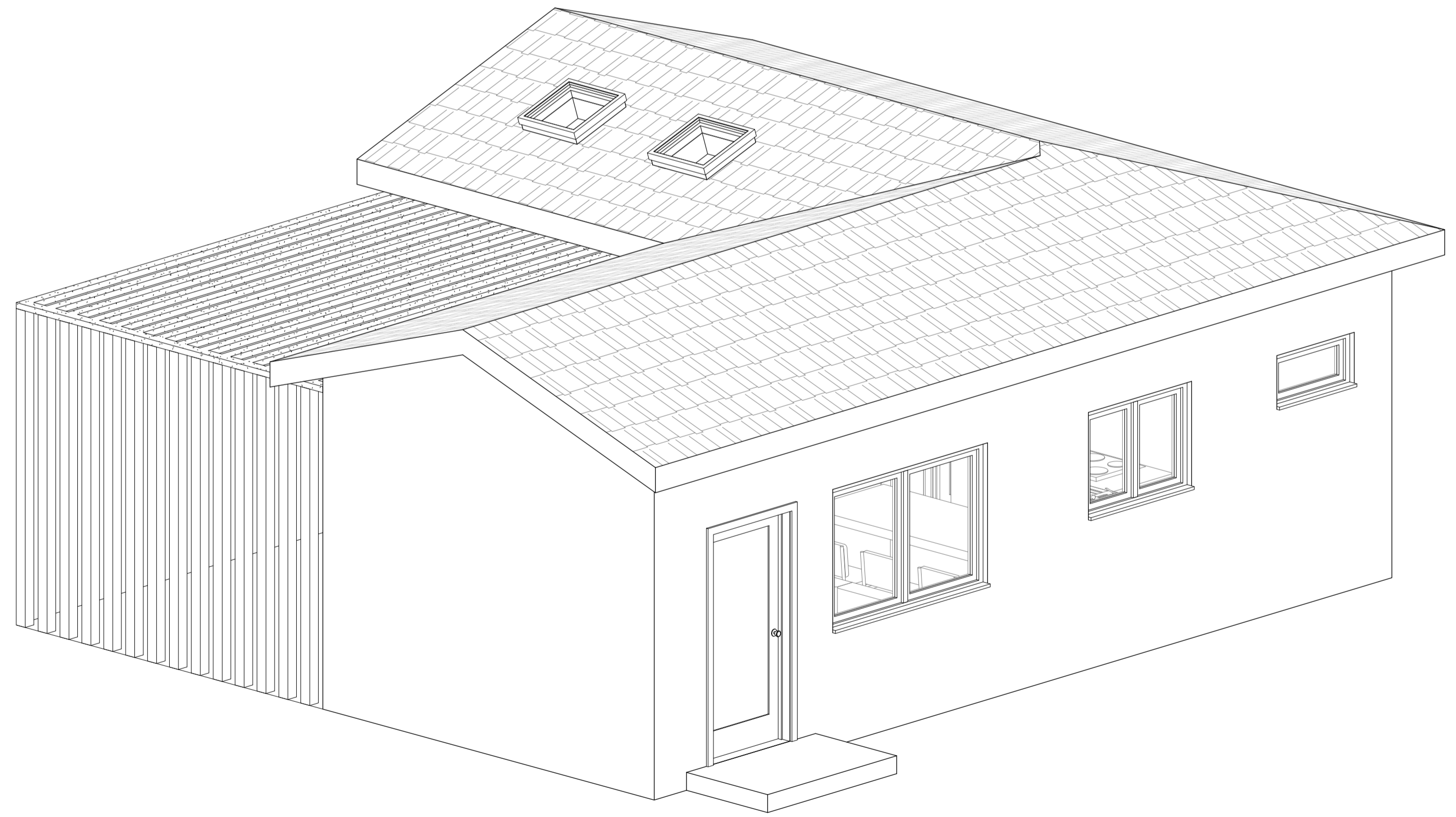
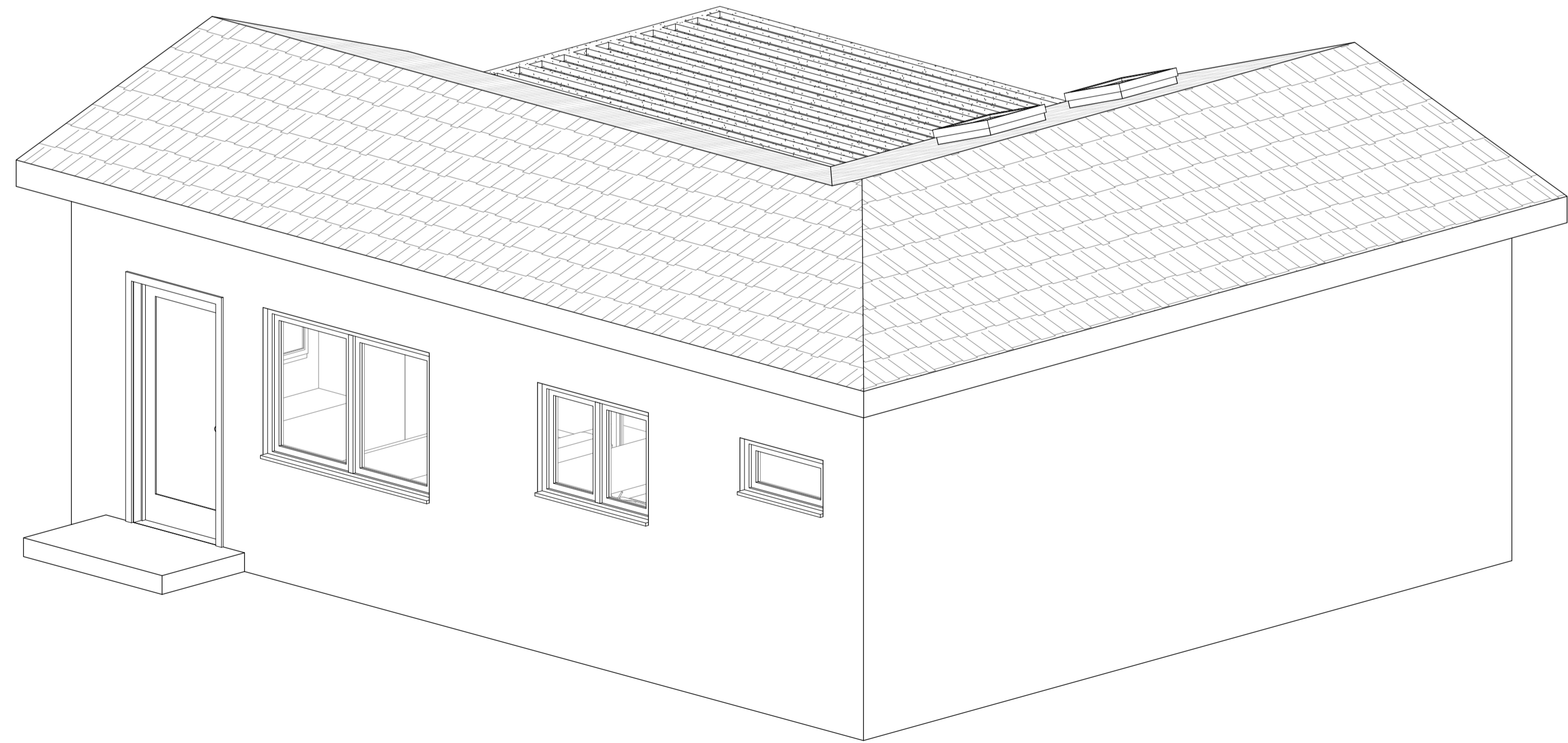
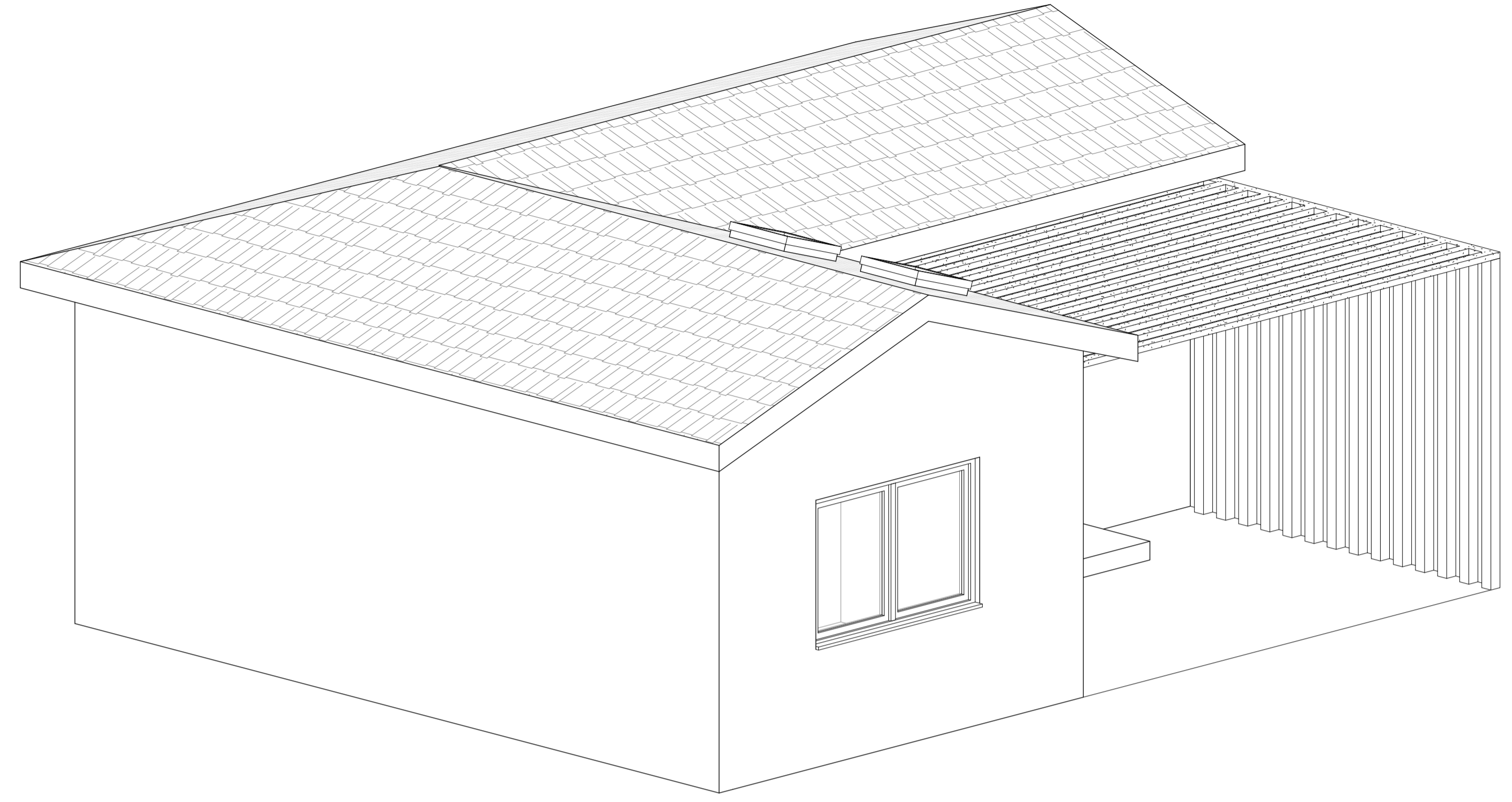
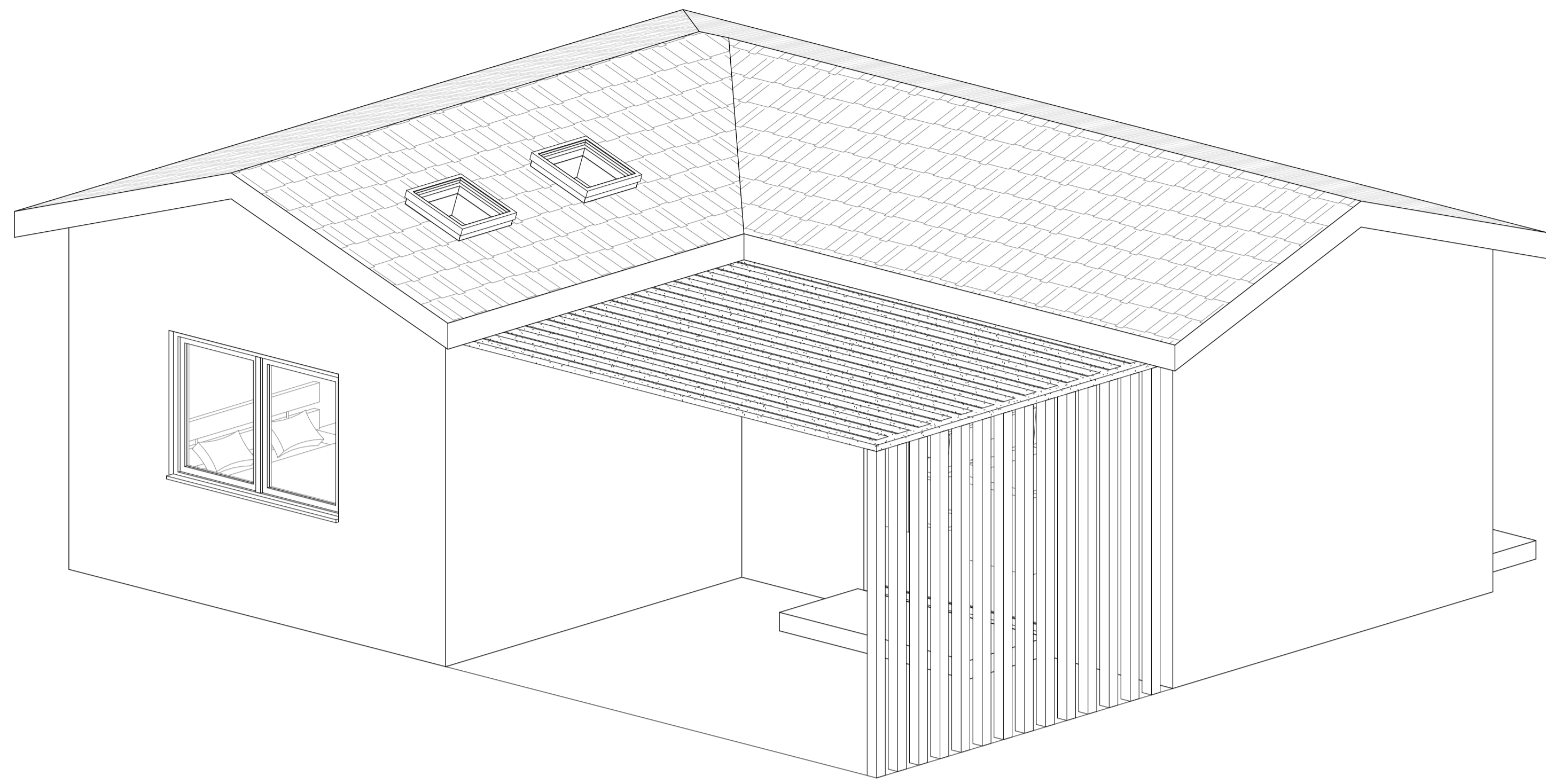
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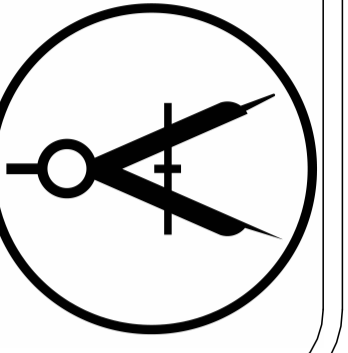
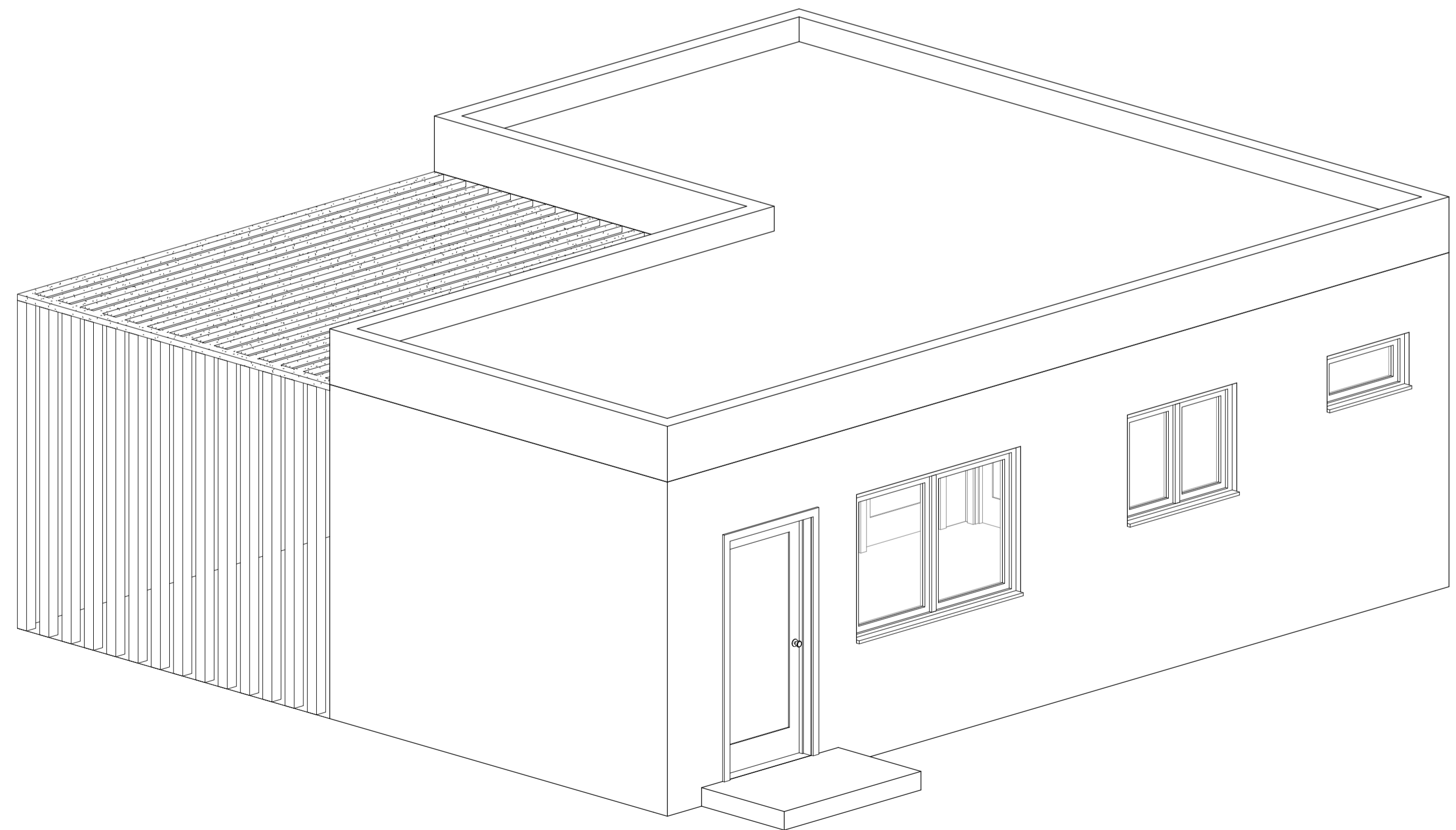
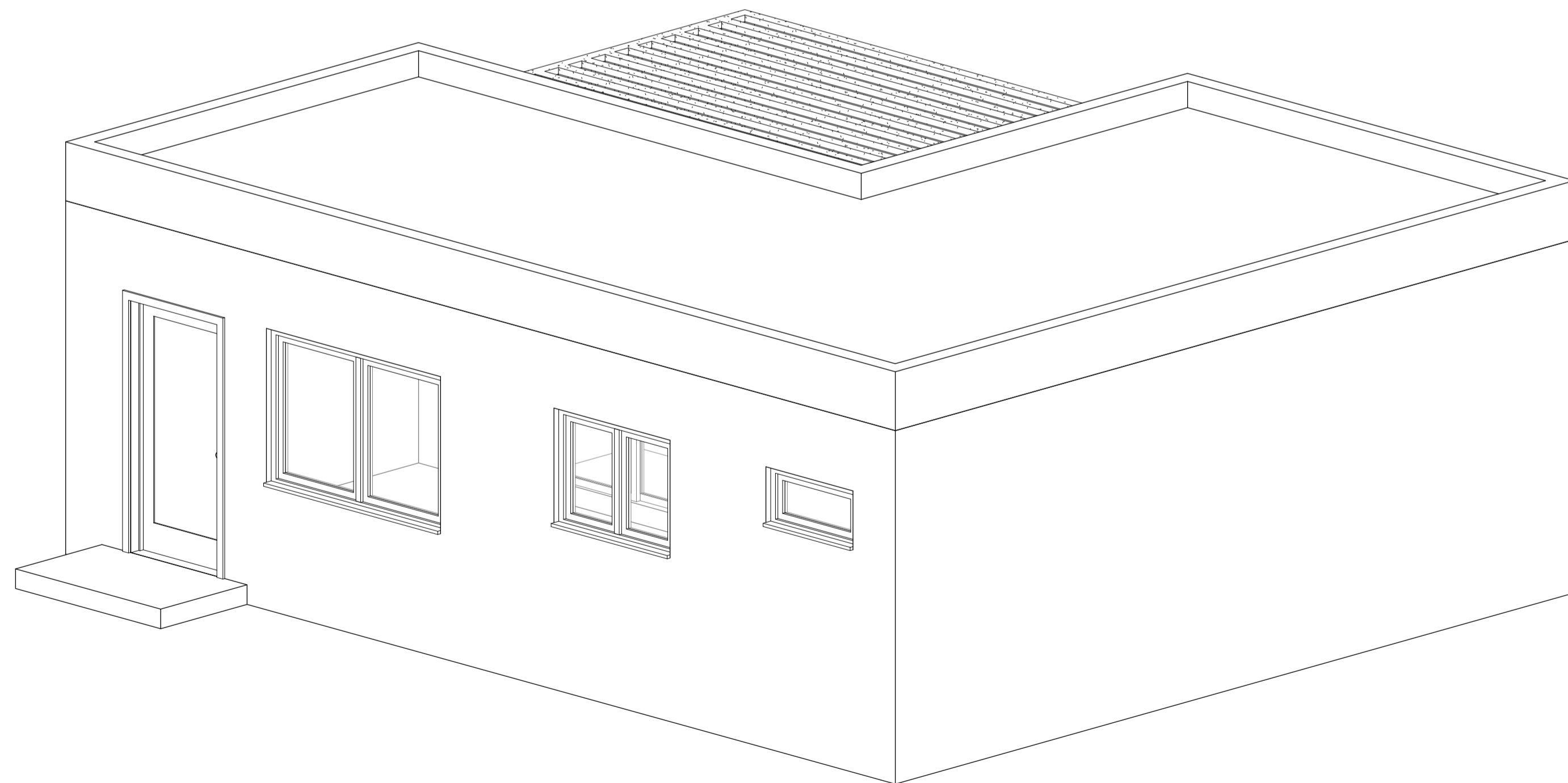
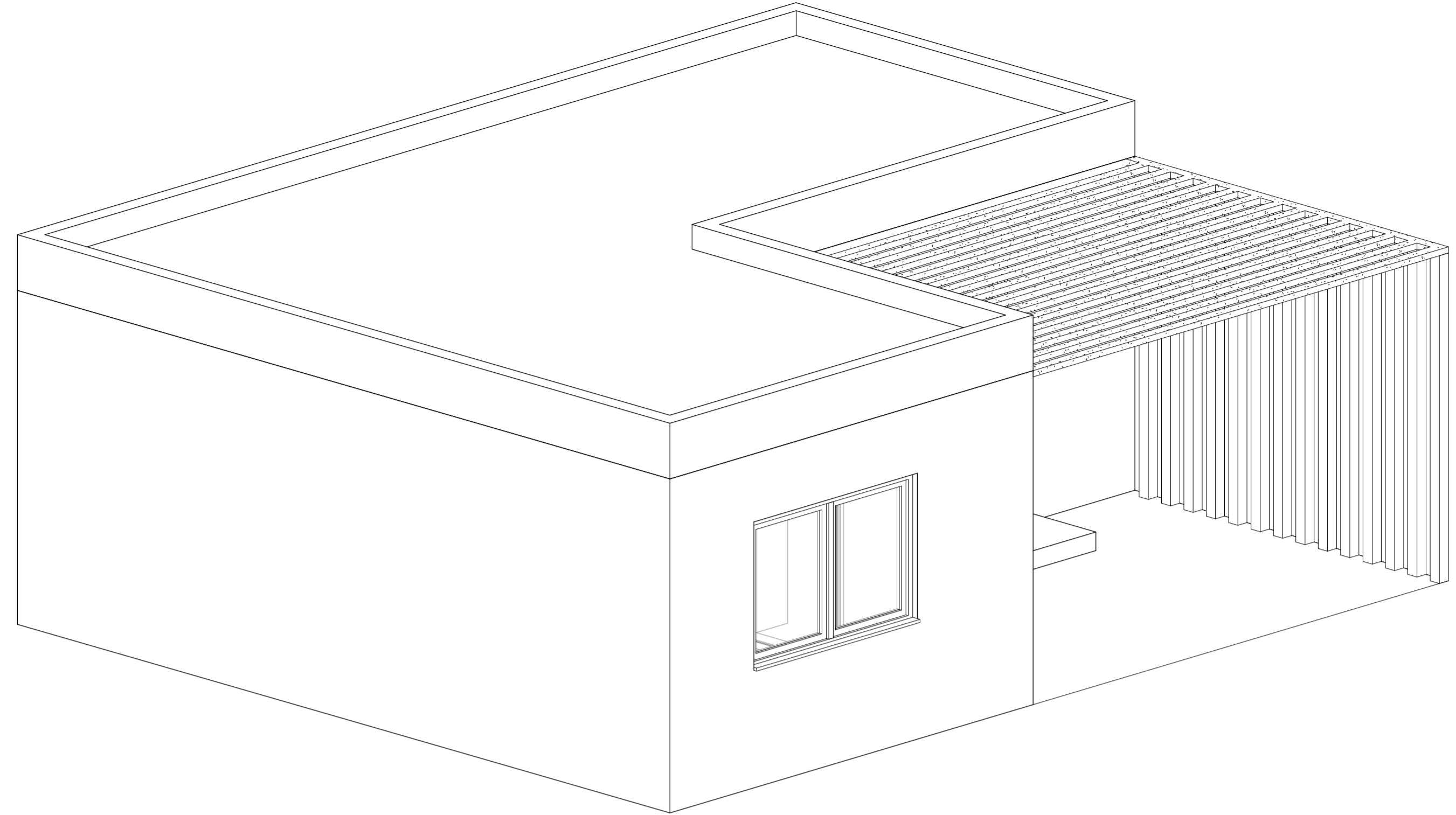
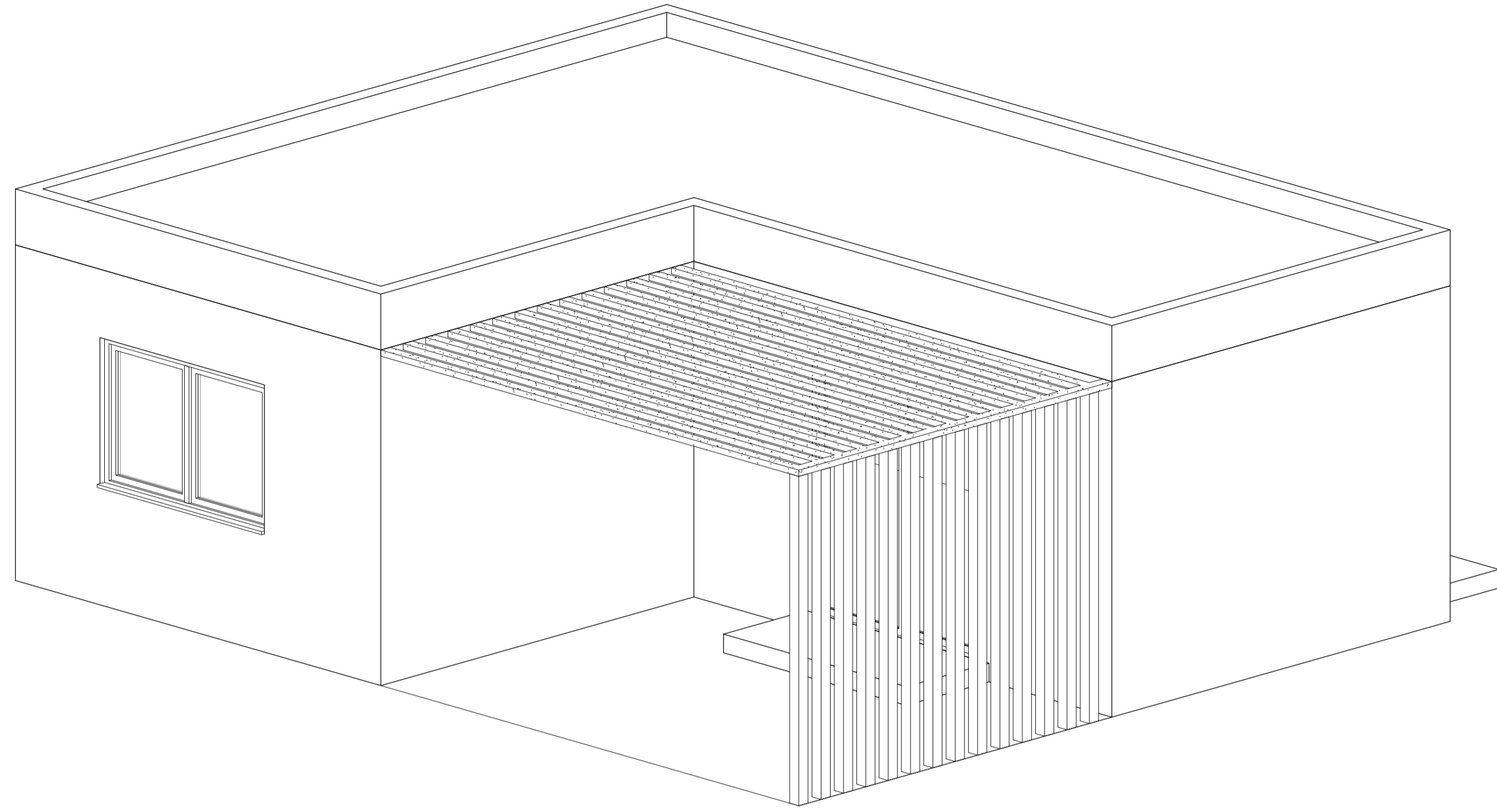
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PROPOSED ADU 3D VIEWS
(OPTION 1)

NOTES:

SCALE:

DATE: 05.08.2024



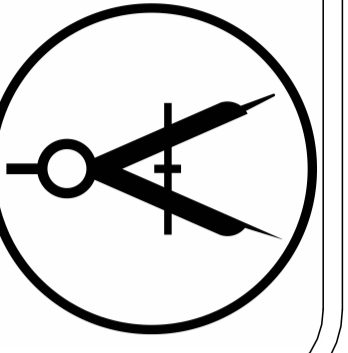
ADDRESS

PROPOSED ADU 3D VIEWS
(OPTION 2)

NOTES:

SCALE:

DATE: 05.08.2024



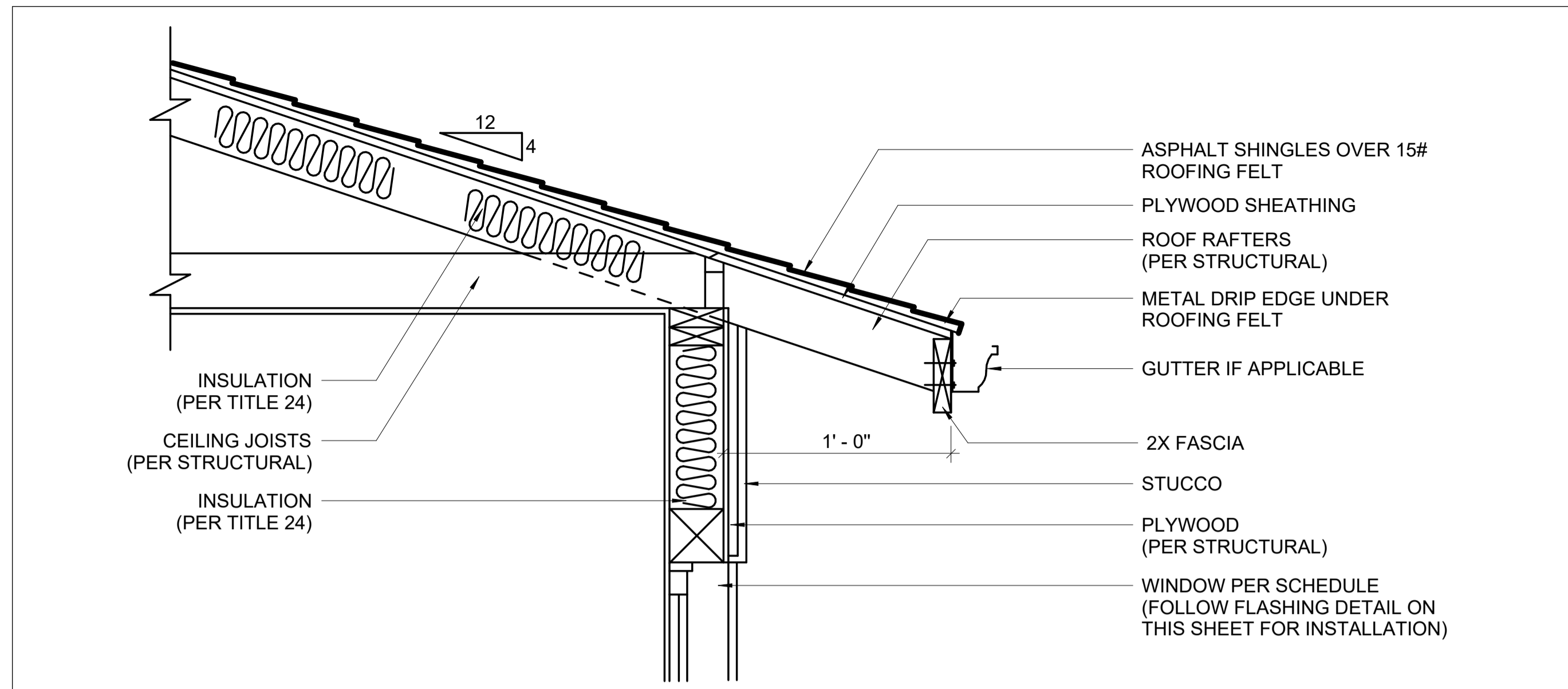
ADDRESS

DETAILS

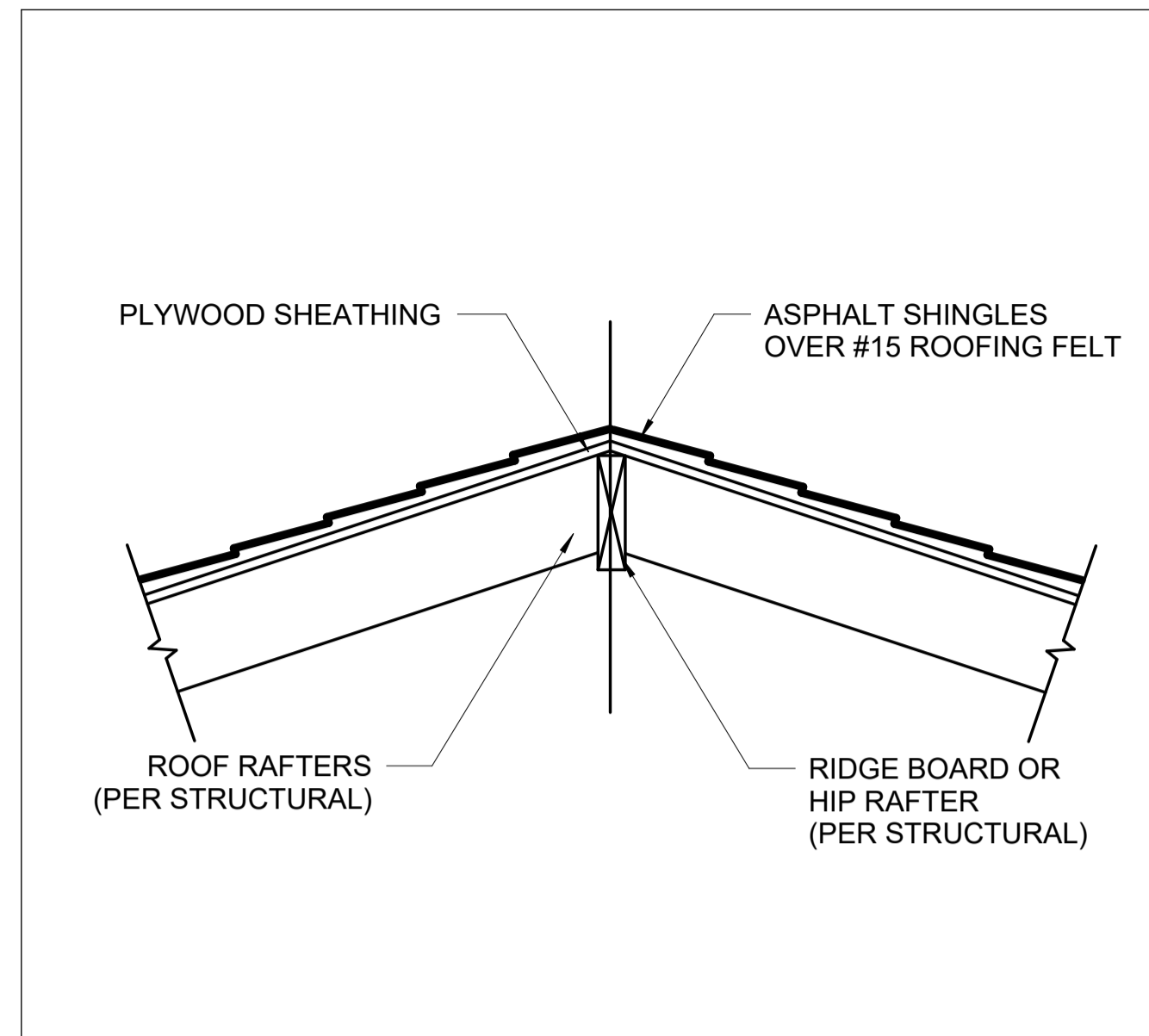
NOTES:

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

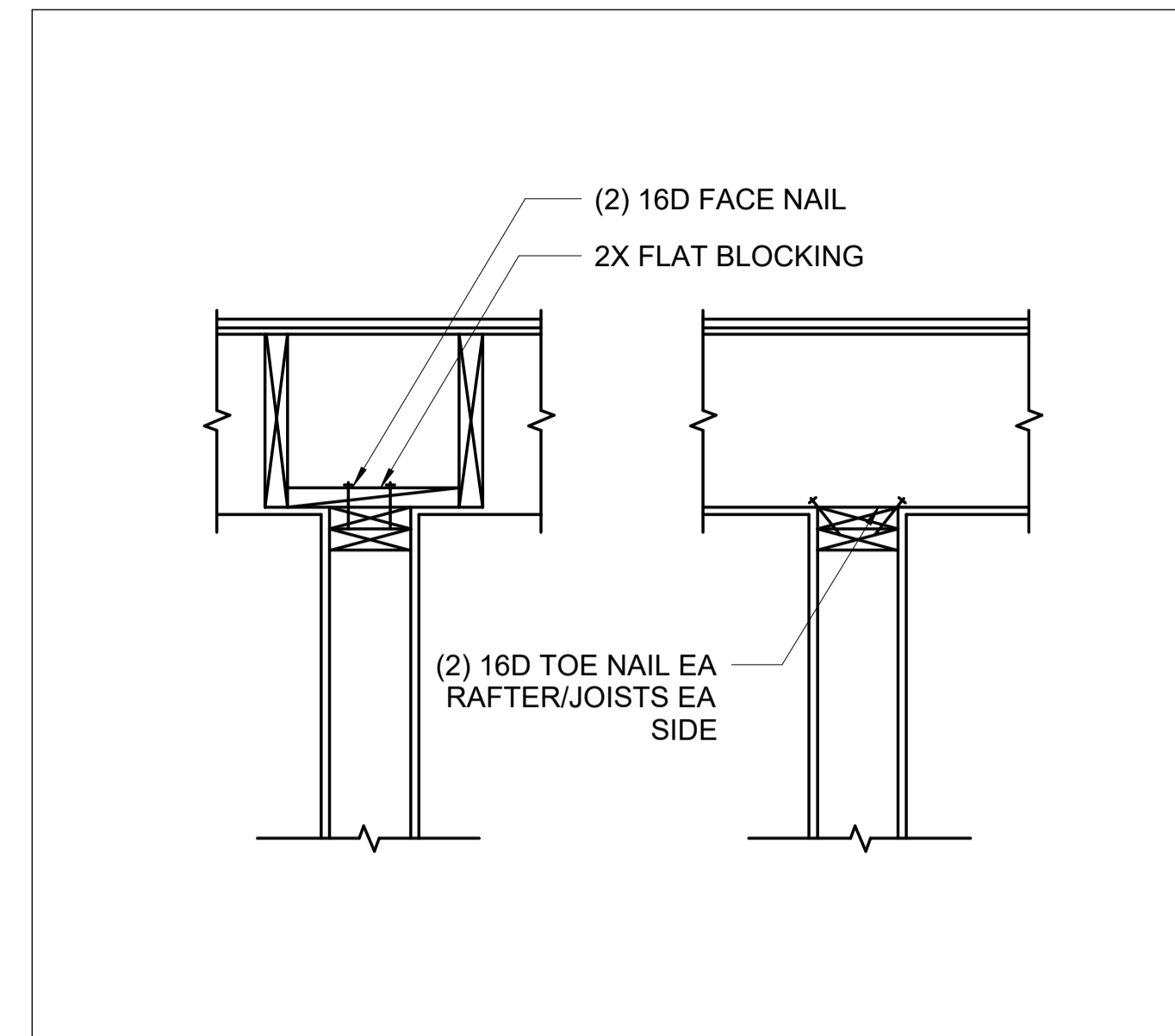
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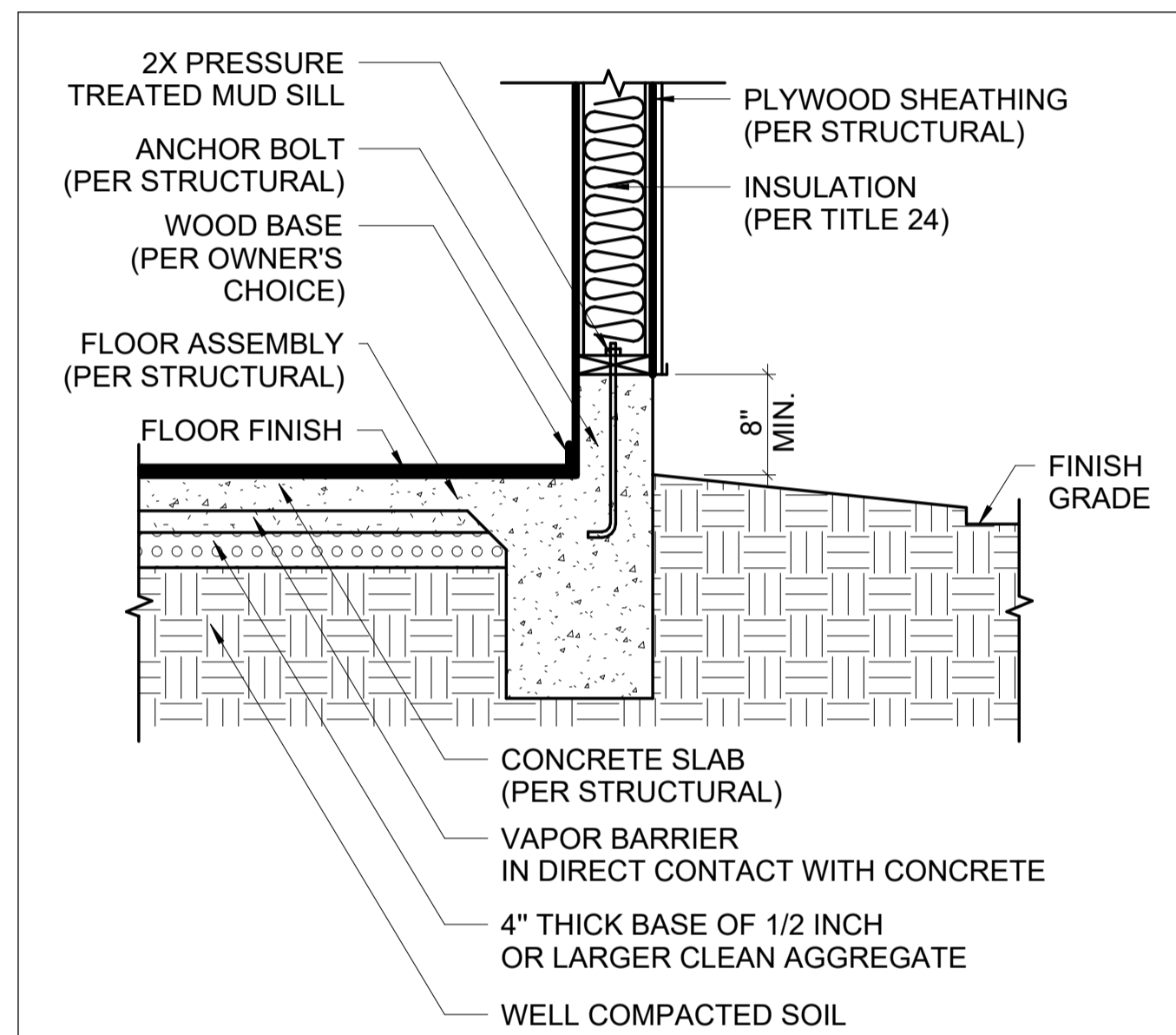
1 EAVE DETAIL



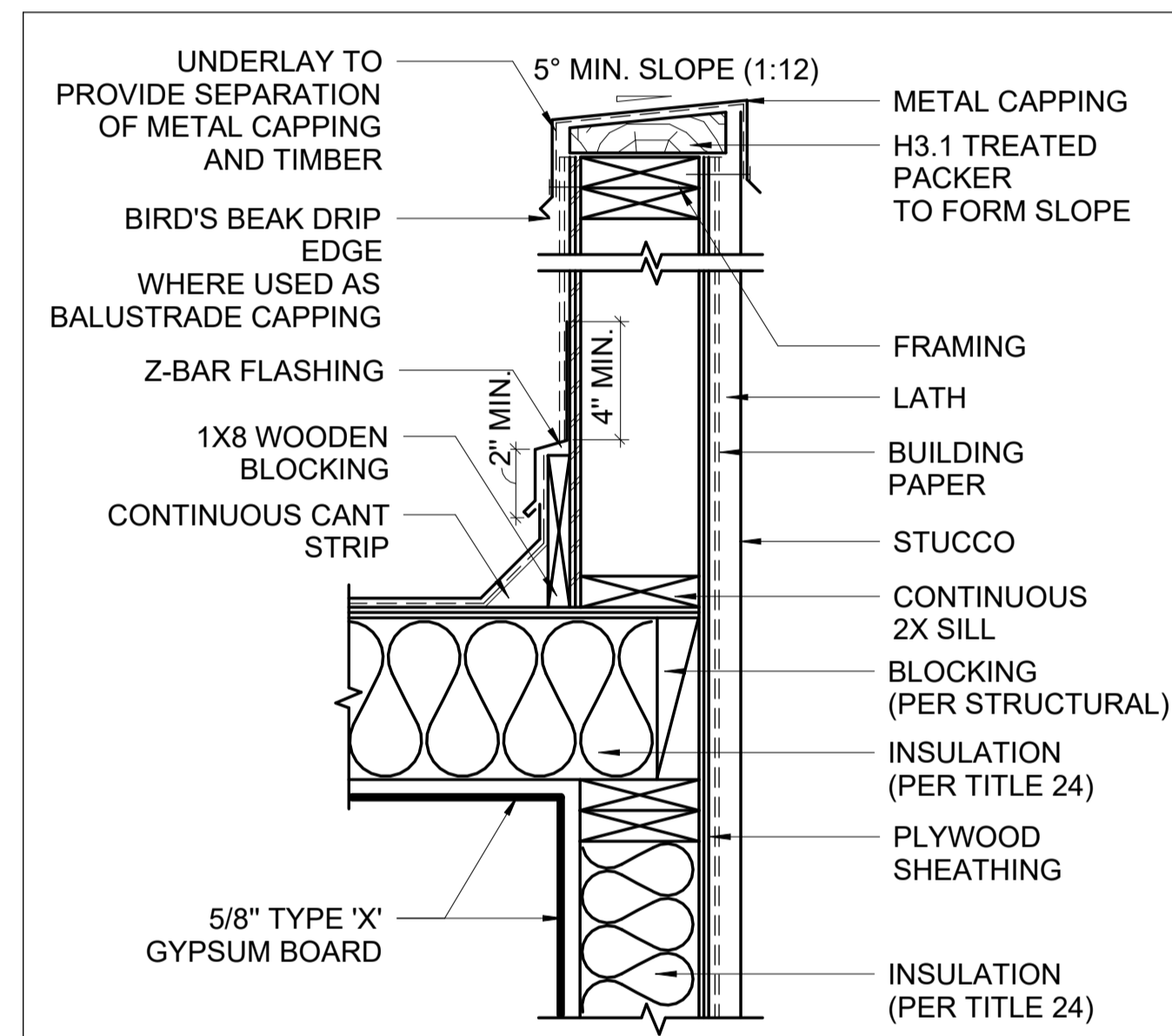
2 RIDGE AND HIP FLASHING



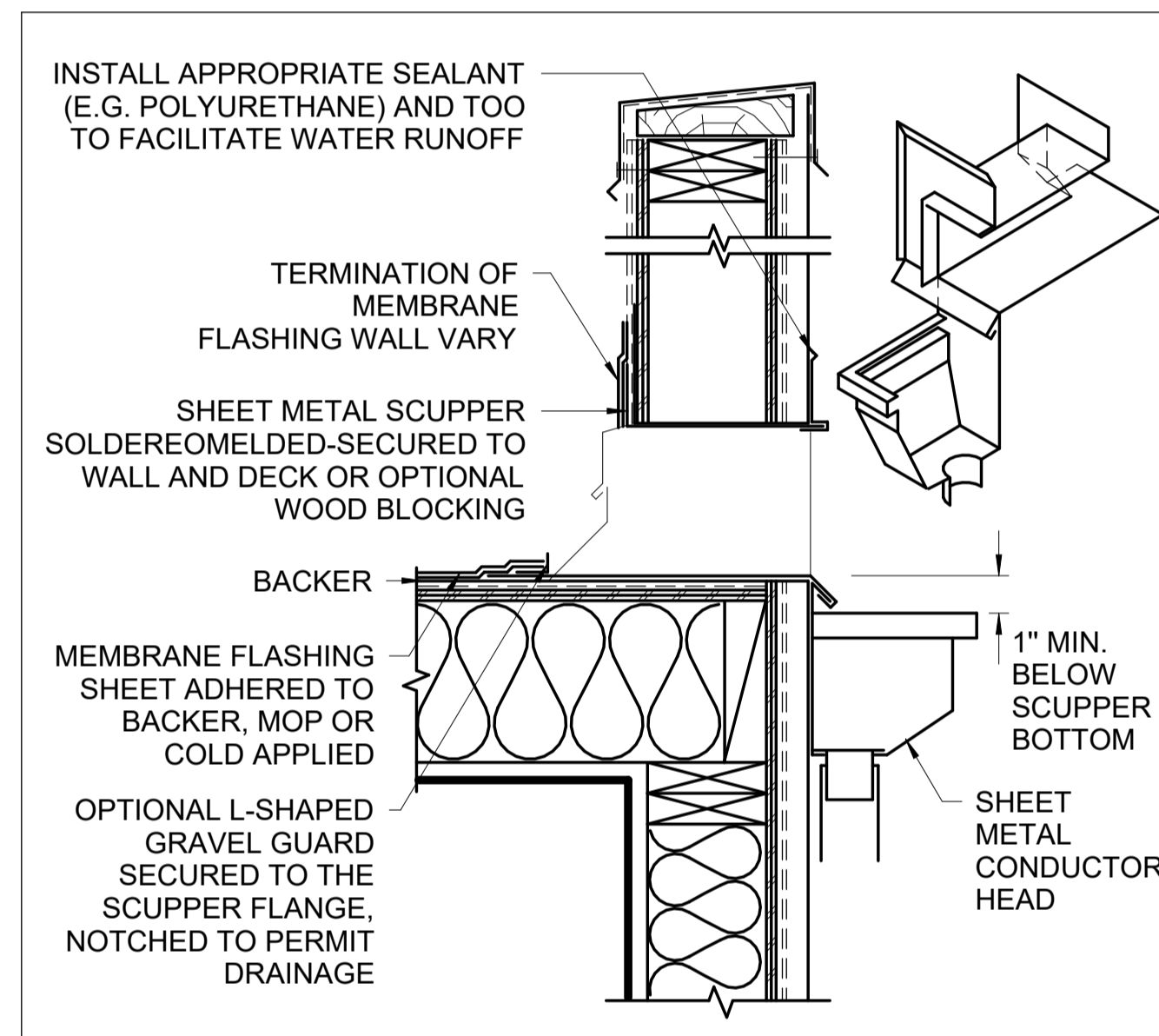
3 INTERIOR PARTITIONS DETAILS (UPPER)



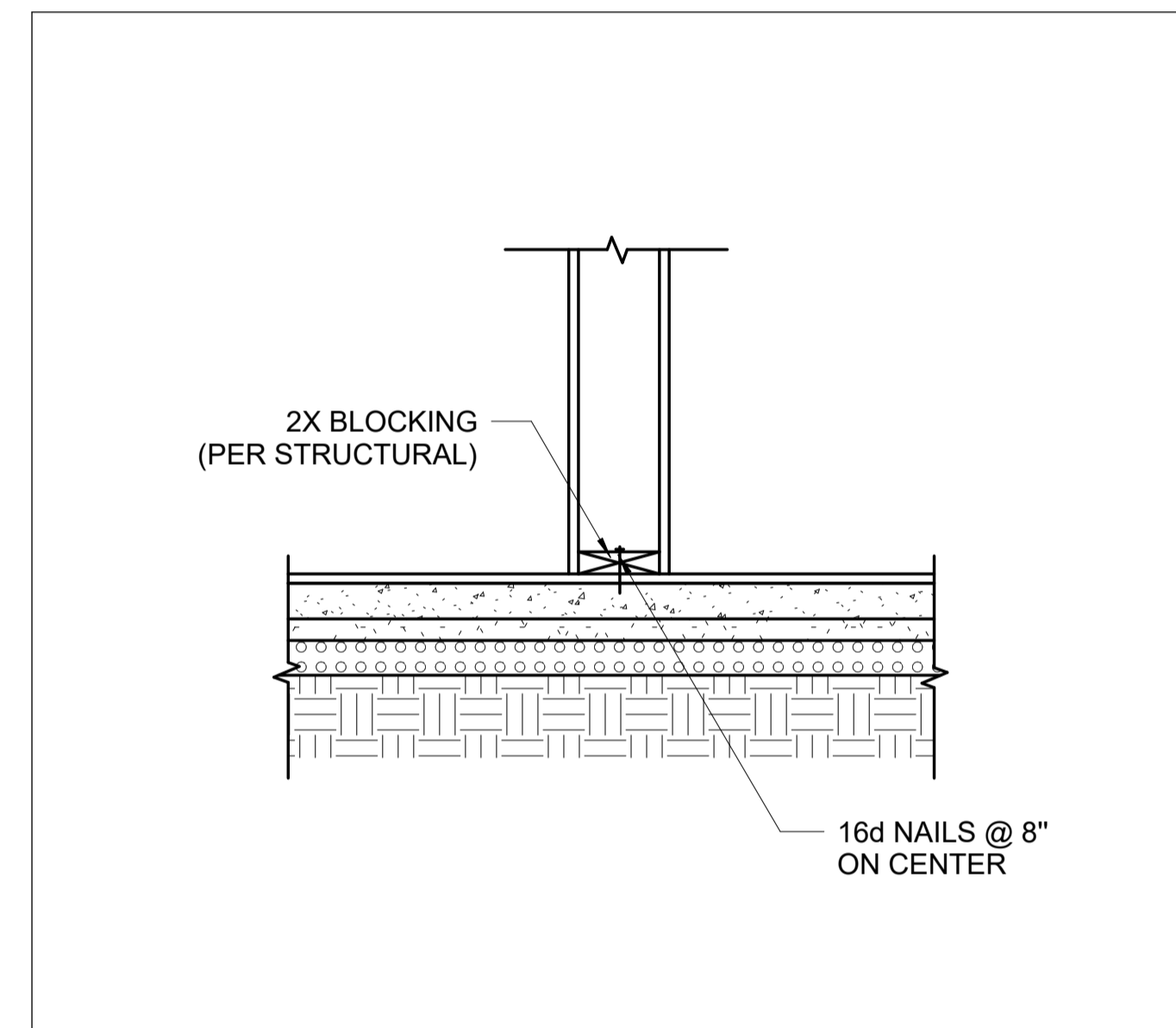
4 EXTERIOR WALL AT FIRST FLOOR



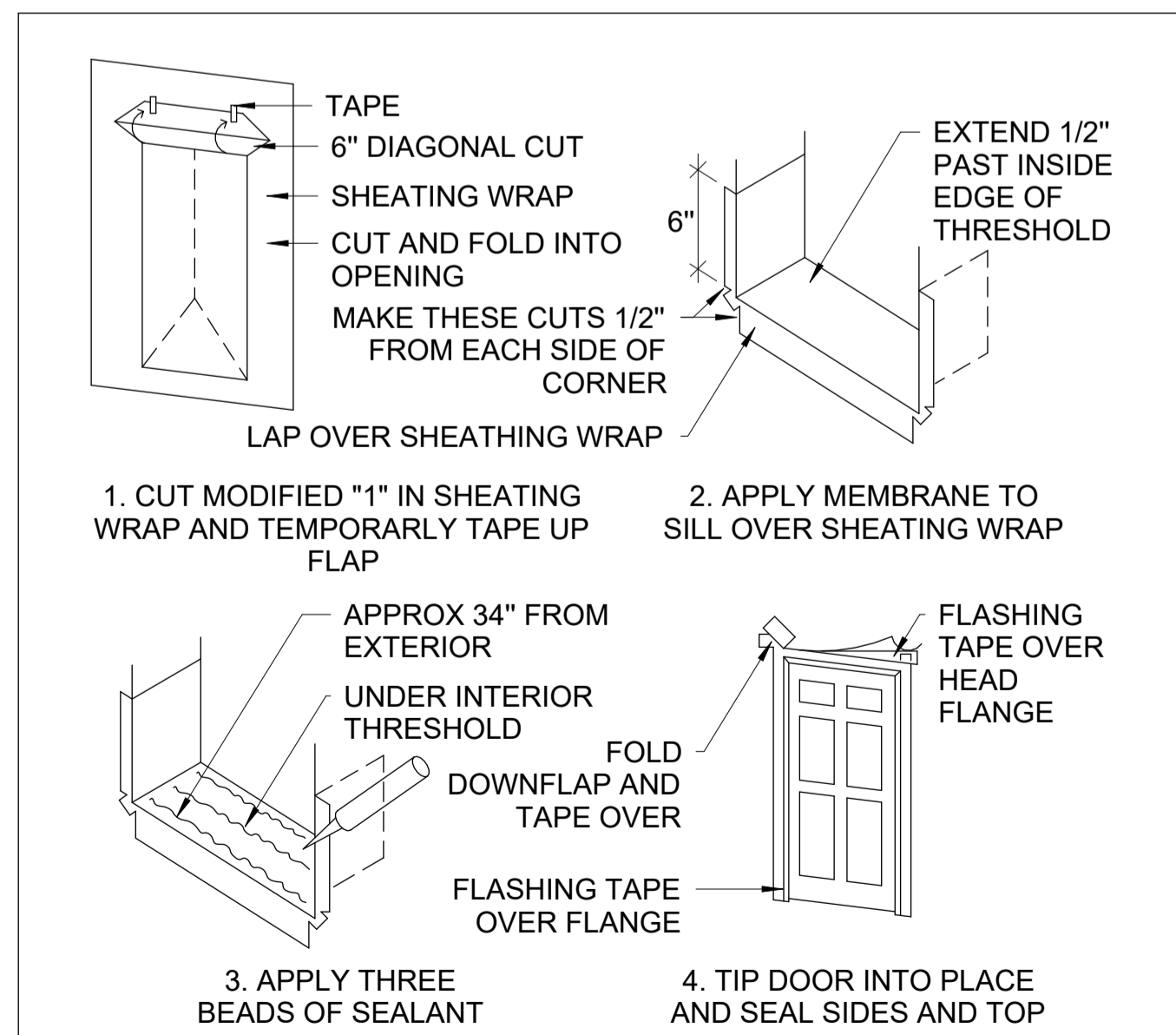
5 PARAPET DETAIL



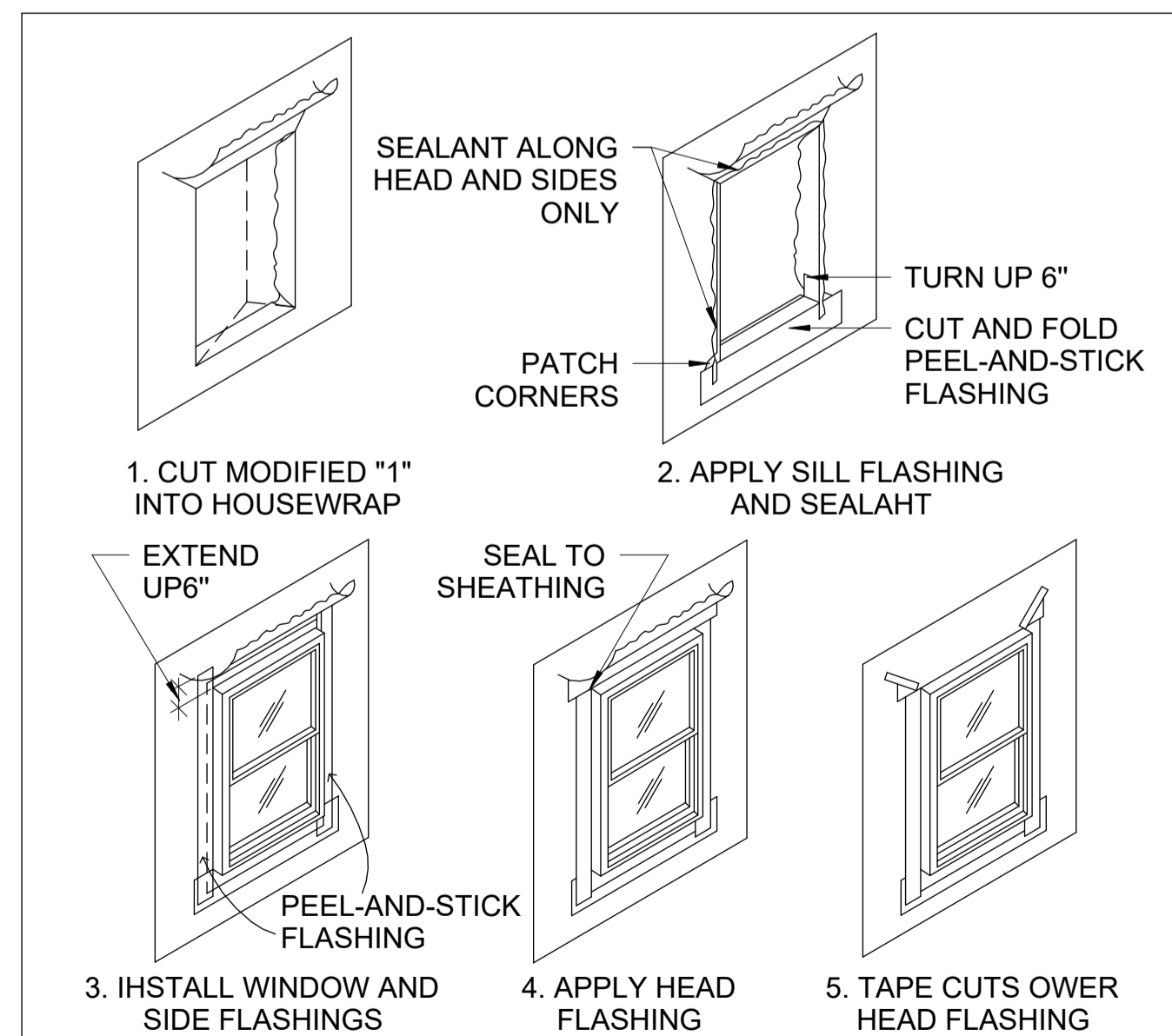
6 SCUPPER DETAIL



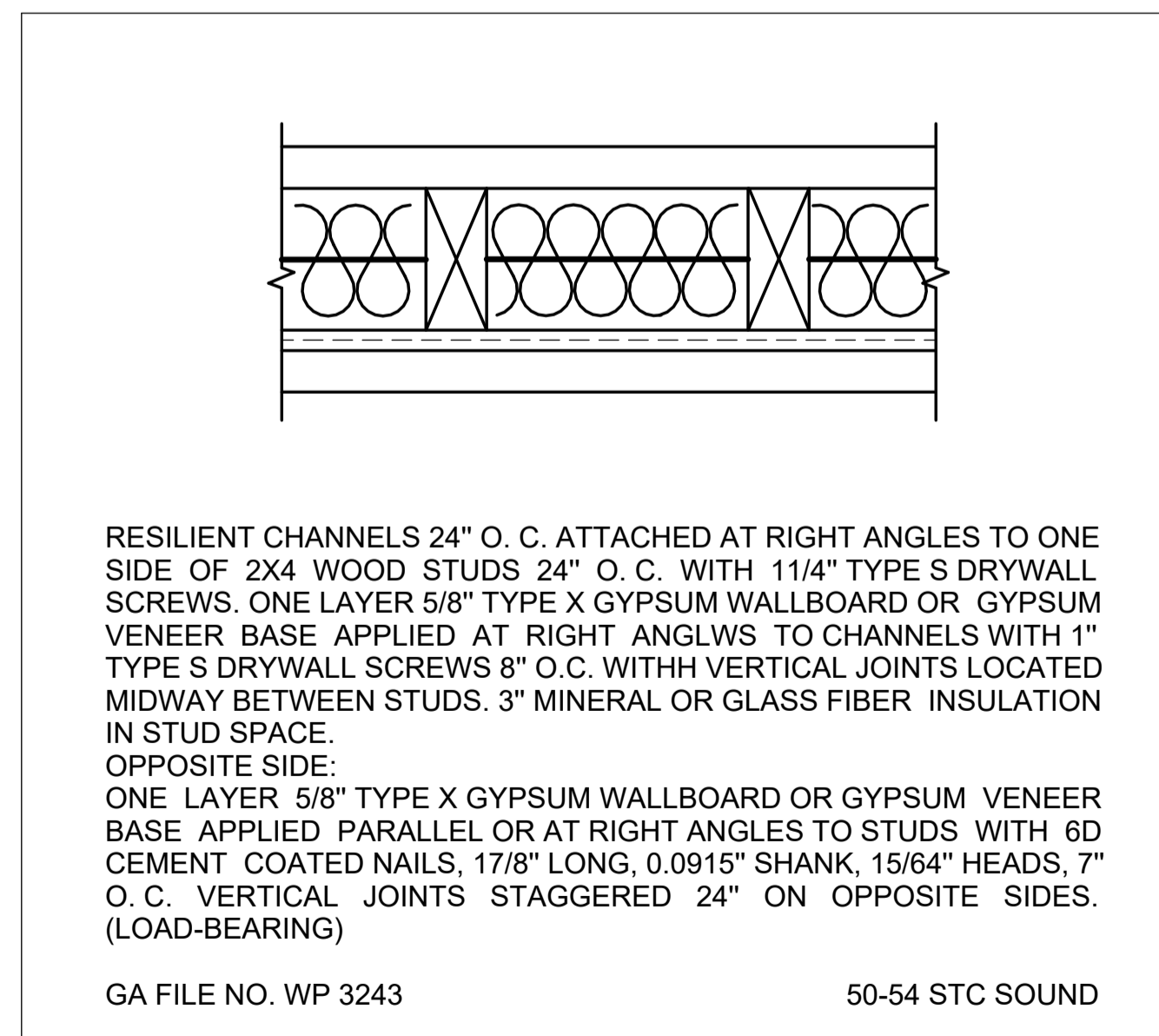
7 INTERIOR PARTITIONS DETAILS (LOWER) FOR CONCRETE SLAB



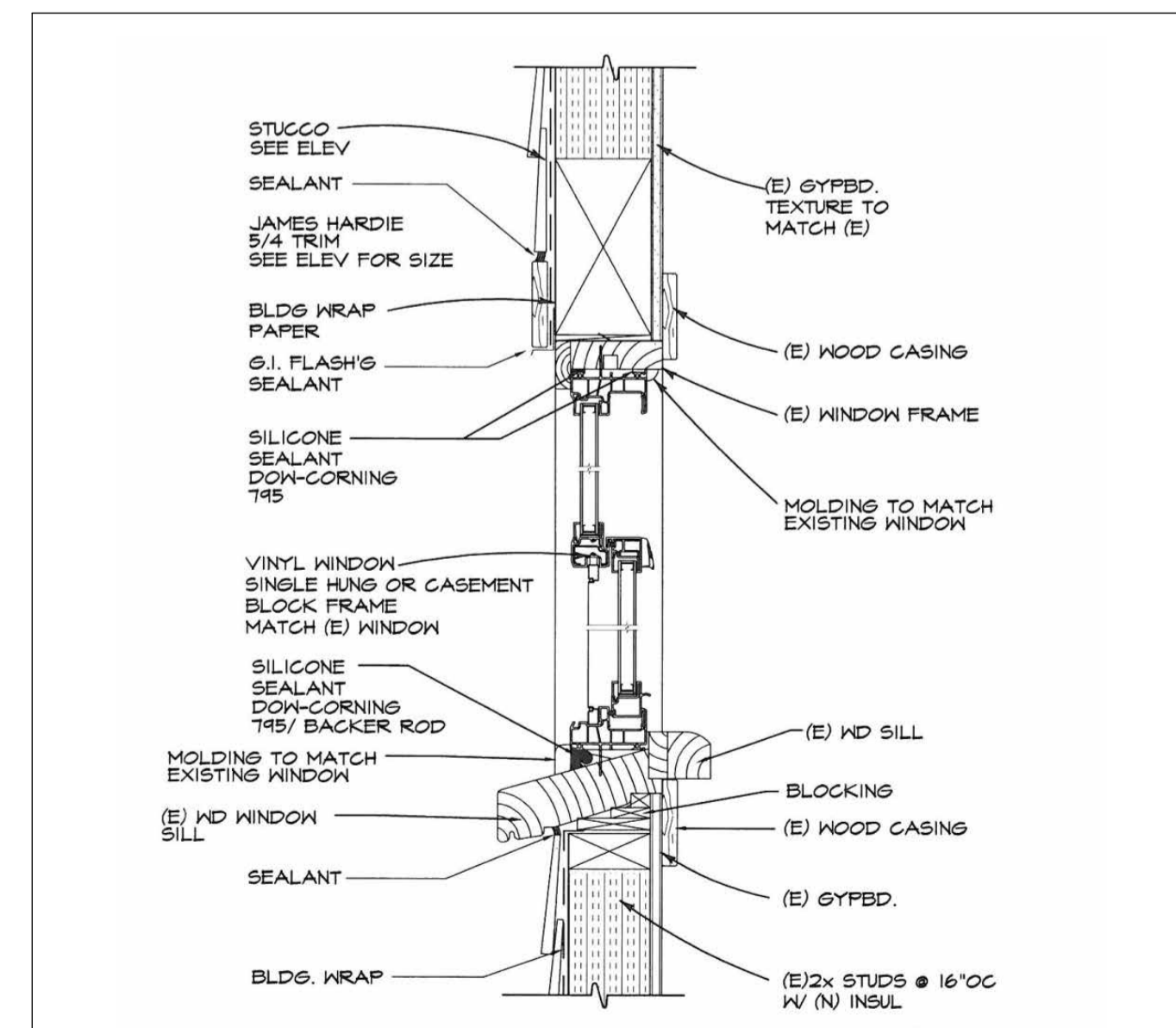
8 DOOR FLASHING



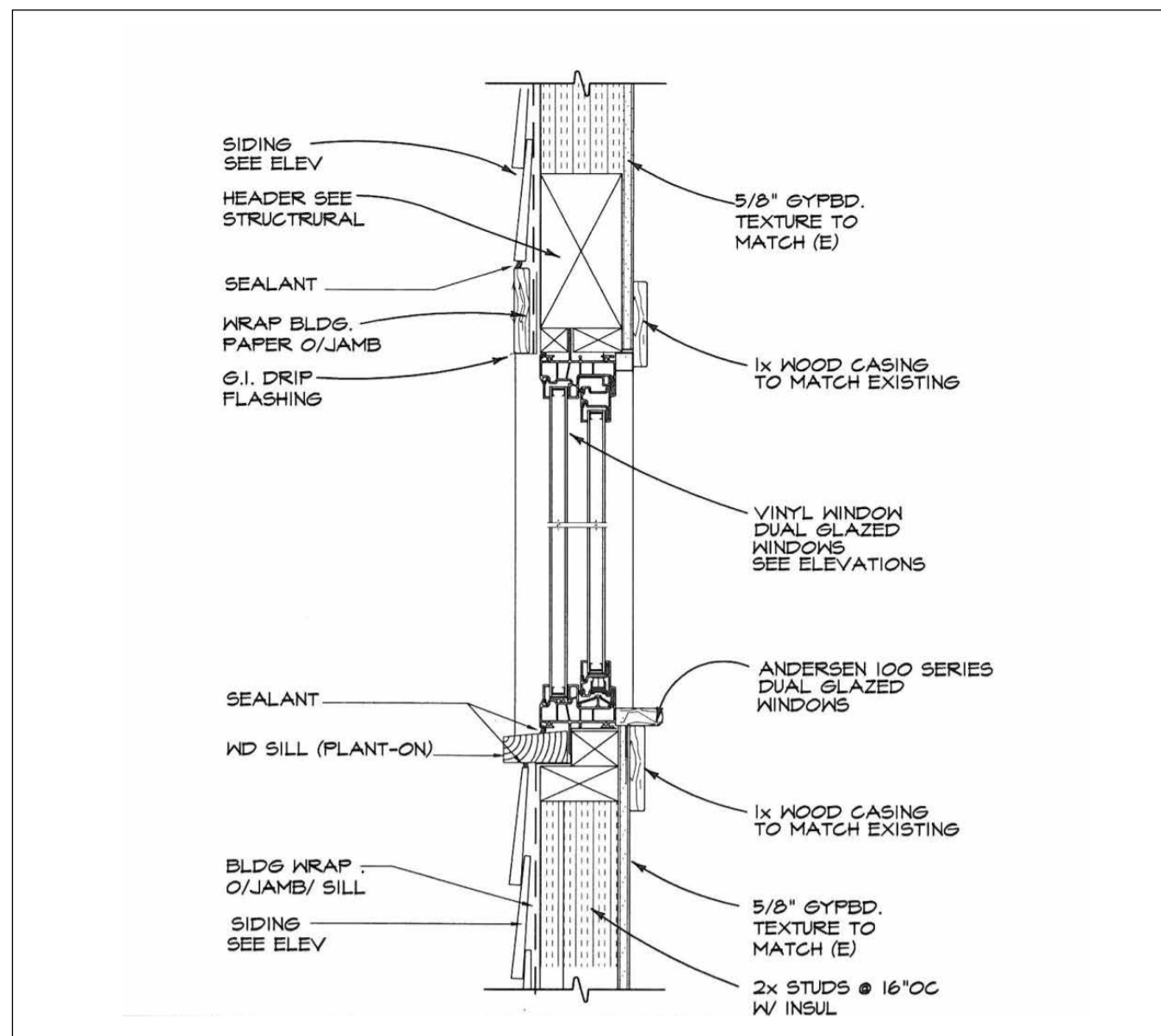
9 WINDOW FLASHING



10 1-HR RATED FIRE WALL DETAIL



11 RECESSED WINDOW DETAIL



12 RECESSED WINDOW DETAIL

ADDRESS

DETAILS

NOTES:

 SCALE:
 DATE: 05.08.2024

ALL TRADES

A. THE FOLLOWING ABBREVIATIONS OR ACRONYMS MAY BE USED IN THESE DRAWINGS:

- PROJECT = NEW ADU
ARCHITECT = YAKOV DESIGN
SAA = SAA STRUCTURAL ENGINEERING
PRIMARY CONTACT: NICK SIVUSHENKA, P.E.
GEOTECHNICAL ENGINEER = N/A
BUILDING DEPARTMENT = THE CITY OF LOS ANGELES DEPARTMENT OF BUILDING AND SAFETY
IBC = THE INTERNATIONAL BUILDING CODE, 2018 EDITION; SECONDARY BUILDING CODE FOR PROJECT.
CBC = THE CALIFORNIA BUILDING CODE, 2019 EDITION (CONSISTING OF THE 2018 IBC AS ADOPTED BY THE STATE OF CALIFORNIA); SECONDARY BUILDING CODE FOR PROJECT
ICC = THE INTERNATIONAL CODE CONFERENCE; AUTHOR OF IBC, SOURCE AUTHORITY FOR GENERAL CODE REQUIREMENTS.
ACI = THE AMERICAN CONCRETE INSTITUTE; SOURCE AUTHORITY FOR STRUCTURAL CONCRETE WORK.
AISC = THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION; SOURCE AUTHORITY FOR STRUCTURAL STEEL WORK.
AISI = THE AMERICAN IRON AND STEEL INSTITUTE; SOURCE AUTHORITY FOR LIGHT GAGE STEEL FRAMING.
AWS = THE AMERICAN WELDING SOCIETY; SOURCE AUTHORITY FOR WELDING.
ASTM = THE AMERICAN SOCIETY FOR TESTING OF MATERIALS; SOURCE AUTHORITY FOR MATERIAL QUALITY AND TESTING STANDARDS.
CRSI = THE CONCRETE REINFORCING STEEL INSTITUTE; SOURCE AUTHORITY FOR REINFORCING STEEL FABRICATION AND INSTALLATION STANDARDS.
ABV = ABOVE
A.B. = ANCHOR BOLTS(S)
APX = APPROXIMATE OR APPROXIMATELY
ARCH = ARCHITECTURAL
BTWN = BETWEEN
REQD = REQUIRED
BLW = BELOW
BOT = BOTTOM
COL = COLUMN
CONT = CONTINUOUS
(E) = EXISTING (CONTRACTOR TO FIELD VERIFY)
EA = EACH
EL = ELEVATION
EMBD = EMBEDMENT
EQ = EQUAL
FIN = FINISH (SEE ARCHITECTURAL DETAILS)
FOF = FACE OF FINISH
FP = FULL PENETRATION (WELD)
F.S. = FAR SIDE
GA = GAGE (SHEET METAL OR WIRE AS APPLICABLE)
HORZ = HORIZONTAL
LLH = LONG LEG HORIZONTAL (ORIENTATION OF UNEQUAL LEG ANGLE)
LLV = LONG LEG VERTICAL (ORIENTATION OF UNEQUAL LEG ANGLE)
LSH = LONG SIDE HORIZONTAL (ORIENTATION OF RECTANGULAR TUBE)
LSV = LONG SIDE VERTICAL (ORIENTATION OF RECTANGULAR TUBE)
MAX = MAXIMUM
M.B. = MACHINE BOLTS OR BOLTS (INDICATED ASTM A307 FASTENERS)
MIN = MINIMUM
(N) = NEW
NIC = NOT IN CONTRACT (WORK EXCLUDED FROM SCOPE)
NOM = NOMINAL
NTS = NOT TO SCALE
O.C. = ON CENTER
OP = OPPOSITE
PC = PIECE
PP = PARTIAL PENETRATION (WELD)
PSF = POUNDS PER SQUARE FOOT
ROD = REQUIRED
SIM = SIMILAR
SMS = SHEET METAL SCREW (SELD TAPPING UNO)
SYM = SYMMETRICAL OR STMMETRY
STD = STANDARD
TOC = TOP OF CONCRETE
TOF = TOP OF FINISH
TOS = TOP OF STEEL (NOT TOP OF SLAB)
TYP = TYPICAL
UNO = UNLESS NOTED OTHERWISE
VERT = VERTICAL

B. LADBS NOTES:

- 1. CONTRACTORS RESPONSIBLE FOR THE CONSTRUCTION OF A WIND OR SEISMIC FORCE RESISTING SYSTEM/COMPONENT LISTED IN THE STATEMENT OF SPECIAL INSPECTION SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE LADBS INSPECTORS AND THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON SUCH SYSTEM OR COMPONENT PER SEC 1704.4.
2. CONTINUOUS SPECIAL INSPECTION BY A REGISTERED DEPUTY INSPECTOR IS REQUIRED FOR FIELD WELDING, POST-INSTALLED ADHESIVE ANCHORS INSTALLED HORIZONTALLY OR UPWARDLY INCLINED TO RESIST SUSTAINED TENSION LOADS, SHOTCRETE PLACEMENT, CONCRETE STRENGTH F-C > 2500 PSI, SPRAYED-ON FIREPROOFING, ENGINEERED MASONRY, HIGH-LIFT GROUTING, HIGH LOAD DIAPHRAGMS, SPECIAL MOMENT-RESISTING CONCRETE FRAMES, AND HELICAL PILE FOUNDATIONS.
3. FOUNDATION SILLS SHALL BE NATURALLY DURABLE OR PRESERVATIVE-TREATED WOOD.
4. SHOP WELDS MUST BE PERFORMED IN A LADBS LICENSED FABRICATOR SHOP
5. LADBS LICENSED FABRICATOR IS REQUIRED FOR STRUCTURAL STEEL
6. PROVIDE LEAD HOLE 40% - 70% OF THREADED SHANK DIAMETER AND FULL DIAMETER FOR SMOOTH SHANK PORTION.
7. PERIODIC SPECIAL INSPECTION IS REQUIRED FOR WOOD SHEAR WALLS, SHEAR PANELS, AND DIAPHRAGMS, INCLUDING NAILING, BOLTING, ANCHORING, AND OTHER FASTENING TO COMPONENTS OF THE SEISMIC FORCE RESISTING SYSTEM. SPECIAL INSPECTION BY A DEPUTY INSPECTOR IS REQUIRED WHERE THE FASTENER SPACING OF THE SHEATHING IS 4 INCHES ON CENTER OR LESS.
8. PERIODIC SPECIAL INSPECTION IS REQUIRED FOR WOOD SHEAR WALLS, SHEAR PANELS, AND DIAPHRAGMS, INCLUDING NAILING, BOLTING, ANCHORING, AND OTHER FASTENING TO COMPONENTS OF THE SEISMIC FORCE RESISTING SYSTEM. SPECIAL INSPECTION BY A DEPUTY INSPECTOR IS REQUIRED WHERE THE FASTENER SPACING OF THE SHEATHING IS 4 INCHES ON CENTER OR LESS.

C. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS ON THE SITE.

- 1. THE CONTRACTOR SHALL MAKE A SURVEY FOR GENERAL CONSISTENCY OF FIELD CONDITIONS WITH INFORMATION SHOWN IN THE CONTRACT DOCUMENTS BEFORE STARTING WORK. THIS SURVEY SHALL INCLUDE VERIFICATION OF DIMENSIONS AND ELEVATIONS.
2. SHOULD THE CONTRACTOR BECOME AWARE OF A DISCREPANCY OR INCONSISTENCY BETWEEN FIELD CONDITIONS AND INFORMATION SHOWN IN THE CONTRACT DOCUMENTS AT ANY TIME, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY ARCHITECT IF THE DISCREPANCY OR INCONSISTENCY INVOLVES OR EFFECTS WORK SHOWN IN THE STRUCTURAL DRAWINGS, SAA SHALL ALSO BE NOTIFIED, AND THE CONTRACTOR SHALL OBTAIN DIRECTION FROM SAA BEFORE PROCEEDING WITH AFFECTED WORK.
3. THE CONTRACTOR SHALL CONFIRM AND LIMIT LOADS IMPOSED ON THE STRUCTURE BY NEW MECHANICAL EQUIPMENT OR OTHER NEW NONSTRUCTURAL ITEMS, INCLUDING FRAMES, CURBS OR OTHER SUPPORTS AS OCCUR. WEIGHTS AND OTHER LOADS SHALL BE COMPARED TO AND SHALL NOT EXCEED THOSE SHOWN IN THESE STRUCTURAL DRAWINGS. WHERE WEIGHTS OR LOADS ARE NOT SHOWN, THE CONTRACTOR SHALL DETERMINE AND SUBMIT THEM TO SAA, WHICH SHALL VERIFY COMPATIBILITY WITH STRUCTURAL DESIGN BEFORE INSTALLATION.
4. NO SUBSTITUTION, CHANGE OR OTHER DEVIATION FROM THE REQUIREMENTS OF ANY CONTRACT DOCUMENT SHALL BE MADE WITHOUT THE APPROVAL OF OWNER.
a. UNAUTHORIZED SUBSTITUTION, CHANGE OR DEVIATION SHALL BE SUFFICIENT CAUSE FOR REJECTION OF THE WORK AND/OR OF PAYMENT REQUESTS.
b. NO DEVIATION FROM INFORMATION SHOWN IN THE STRUCTURAL DRAWINGS SHALL BE MADE WITHOUT WRITTEN APPROVAL FROM SAA.
5. SHOP DRAWINGS AND OTHER SUBMITTALS PREPARED BY SUBCONTRACTORS SHALL BE REVIEWED BY THE GENERAL CONTRACTOR PRIOR TO SUBMISSION.
a. ACCEPTANCE OF A SHOP DRAWING SHALL NOT CONSTITUTE APPROVAL OF ANY DEVIATION FROM REQUIREMENTS OF THE CONTRACT DOCUMENTS.
b. REQUESTS FOR APPROVAL OF PROPOSED ALTERNATE DETAILS, MATERIAL SUBSTITUTIONS OR OTHER DEVIATIONS SHALL BE DIRECTED TO SAA INDEPENDENTLY FROM AND IN ADVANCE OF SUBMISSION OF AFFECTED SHOP DRAWINGS OR START OF AFFECTED PARTS OF THE WORK.

D. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SAFETY ON THE PROJECT SITE.

- 1. SHOULD THE CONTRACTOR BECOME AWARE OF ANY CONDITION WHICH IN HIS OPINION MIGHT CAUSE DISTRESS OF ANY PART OF THE CONSTRUCTION OR ENDANGER STABILITY, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY OWNER, ARCHITECT AND SAA AND TAKE ANY ACTION NECESSARY TO PROTECT LIFE AND PROPERTY PENDING DIRECTION FROM OWNER.
2. MEANS AND METHODS OF CONSTRUCTION SHALL BE SELECTED BY THE CONTRACTOR, WHO SHALL BE RESPONSIBLE FOR BRACING OR SHORING AS REQUIRED TO ASSURE SAFETY AND STABILITY DURING CONSTRUCTION AND TO SATISFY BUILDING DEPARTMENT REQUIREMENTS.

E. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PLAN THE WORK SO AS TO MINIMIZE ITS IMPACT ON THE OPERATIONS OF THE BUILDING'S OCCUPANTS, WHO MAY INTEND TO ATTEMPT TO REMAIN IN OPERATION TO THE GREATEST EXTENT POSSIBLE DURING THE PROJECT.

- 1. NO PROCEDURE WHICH CAUSES DAMAGE TO THE BUILDING OR ITS CONTENTS OR WHICH AFFECTS OCCUPANT OPERATIONS SHALL BE USED UNLESS NO REASONABLE ALTERNATIVE THAT WOULD REDUCE THE IMPACT IS POSSIBLE.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INFORM THE OWNER OR LANDLORD OF ANY PROCEDURE WHICH MIGHT IMPACT THEIR OPERATIONS WITH AS MUCH ADVANCE NOTICE AS POSSIBLE AND TO MAKE ALL TREASONABLE EFFORTS TO COORDINATE OPERATIONS WITH THE OCCUPANTS SO AS TO MINIMIZE THE DISTURBANCE.

F. THE DESIGN REPRESENTED IN THESE DESIGN DRAWINGS IS BASED ON THE FOLLOWING DESIGN PARAMETERS:

- 1. GRAVITY LOADS:
ROOF DEAD LOAD = 7 PSF
ROOF LIVE LOAD = 20 PSF
CEILING DEAD LOAD = 6 PSF
CEILING LIVE LOAD = 10 PSF
2. WIND DESIGN DATA:
EXPOSURE
BASIC WIND SPEED = 95 MPH
RISK CATEGORY = II
3. EARTHQUAKE DESIGN DATA:
SEISMIC DESIGN CATEGORY = E (WORST CASE ASSUMED)
OCCUPANCY CATEGORY = II
IMPORTANCE FACTOR I = 1.0
EQUIVALENT LATERAL FORCE PROCEDURE:
LIGHT-FRAME (WOOD) SHEAR WALLS : R = 6.5; Cs = 0.400
REDUNDANCY FACTOR = 1.3
(WORST CASE ASSUMED)
4. FOUNDATIONS:
FOUNDATIONS HAVE BEEN PROPORTIONED BASED ON THE FOLLOWING ALLOWABLE BEARING PRESSURES PER CBC:
CONTINUOUS FOOTINGS 1500 PSF

PROJECT SCOPE

THE PROPOSED PROJECT INVOLVES THE CONSTRUCTION OF NEW ADU

STRUCTURAL OBSERVATION

THE STRUCTURAL OBSERVER SHALL PERFORM SITE VISITS AT THOSE STEPS IN THE PROGRESS OF THE WORK THAT ALLOW FOR CORRECTION OF DEFICIENCIES WITHOUT SUBSTANTIAL EFFORT OR UNCOVERING OF THE WORK INVOLVED.

THE STRUCTURAL OBSERVER SHALL PREPARE A REPORT OF THE STRUCTURAL OBSERVATION REPORT FORM FOR EACH SIGNIFICANT STAGE OF CONSTRUCTION OBSERVED. THE ORIGINAL OF THE STRUCTURAL OBSERVATION REPORT SHALL BE SENT TO THE BUILDING INSPECTOR'S OFFICE AND SHALL BE SIGNED AND SEALED (WET STAMP) BY THE RESPONSIBLE STRUCTURAL OBSERVER. ONE COPY OF THE OBSERVATION REPORT SHALL BE ATTACHED TO THE APPROVED PLANS. THE COPY ATTACHED TO THE PLANS SHALL BE SIGNED AND SEALED BY THE RESPONSIBLE STRUCTURAL OBSERVER OR THE DESIGNEE. COPIES OF THE REPORT SHALL ALSO BE GIVEN TO THE OWNER, CONTRACTOR, AND DEPUTY INSPECTOR. ANY DEFICIENCY NOTED ON THE OBSERVATION REPORT WILL BECOME THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER OF RECORD TO VERIFY ITS COMPLETION BY HIM (HER), OR BY A REGISTERED DEPUTY INSPECTOR AT THE DISCRETION OF THE STRUCTURAL OBSERVER.

A FINAL OBSERVATION REPORT AND THAT OF THE REGISTERED DEPUTY INSPECTOR MUST BE SUBMITTED WHICH SHOWS THAT ALL OBSERVED DEFICIENCIES WERE RESOLVED AND STRUCTURAL SYSTEM GENERALLY CONFORMS TO THE APPROVED PLANS AND SPECIFICATIONS. THE DEPARTMENT OF BUILDING AND SAFETY WILL NOT ACCEPT THE STRUCTURAL WORK WITHOUT THIS FINAL OBSERVATION REPORT AND THAT OF THE REGISTERED DEPUTY INSPECTOR (WHEN PROVIDED) AND THE CORRECTION OF SPECIFIC DEFICIENCIES NOTED DURING NORMAL BUILDING INSPECTION.

Table with 3 columns: Construction Stage, Construction Type, Elements/Connections to be observed. Rows include Foundation, Wall, Frame, Diaphragm, and Others.

DECLARATION BY OWNER OR OWNER'S REPRESENTATIVE

I, the owner of the project, the owner's representative, declare that the above listed firm or individual is hired by me to be the Structural Observer.

Signature _____ Date _____

As a covered entity under Title 1 of the Americans with Disabilities Act, the City of Los Angeles does not discriminate on the basis of disability and, upon request, will provide reasonable accommodation to ensure equal access to its programs, services and activities. For efficient handling of information internally and in its internet connection to this new format of code review and administrative information builders including MCO and RCB, the review previously issued will allow flexibility and timely distribution of information to the public. Page 7 of 7

SPECIAL INSPECTIONS

THE OWNER SHALL RETAIN A DEPUTY INSPECTOR LICENSED BY THE CITY OF LOS ANGELES DEPARTMENT OF BUILDING & SAFETY IN ACCORDANCE WITH CHAPTER 17 OF CBC. THE FOLLOWING AREAS OF WORK REQUIRE INSPECTIONS BY A DEPUTY INSPECTOR TO VERIFY COMPLIANCE WITH CBC:

Table with 3 columns: TRADE, INSPECTION DUTIES, INSPECTION DURATION. Rows include REBAR PLACEMENT, INSTALLATION OF HOLDOWN ANCHOR BOLTS, ADHESIVE ANCHORS.

ICC/LARR

THE FOLLOWING ARE A LIST OF COMPONENTS USED WITHIN THE PROJECT WITH INTERNATIONAL CODE COUNCIL REPORT NUMBERS AND CITY OF LOS ANGELES RESEARCH REPORT NUMBERS FOR THE CONTRACTOR TO OBTAIN AND FOLLOW PROVISIONS OF. ITEMS WITHOUT AN LARR# REQUIRE ONE TIME APPROVAL FROM CITY OF LOS ANGELES.

Table with 3 columns: COMPONENT, ICC-ESR / IAPMO #, LARR # (LABC YR). Rows include SIMPSON SDS WOOD SCREWS, SIMPSON A35, SIMPSON STRAPS, SIMPSON HOLDOWNS.

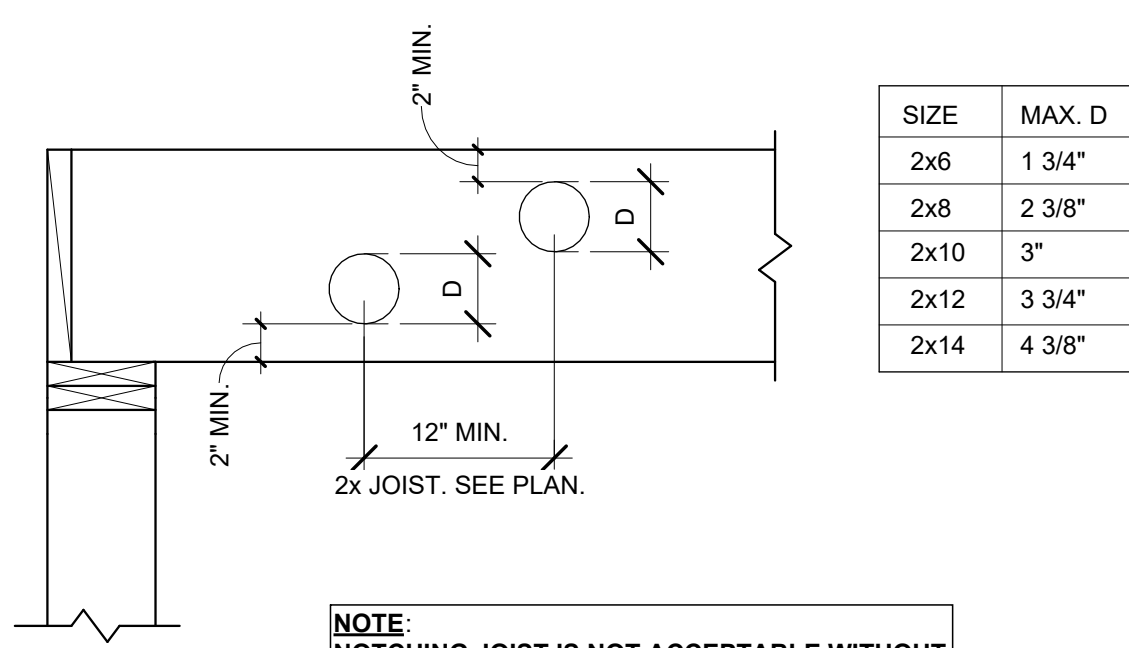
Yakov Design Drafting service (562) 322-80-70 info@yakovdesign.com

NEW ADU

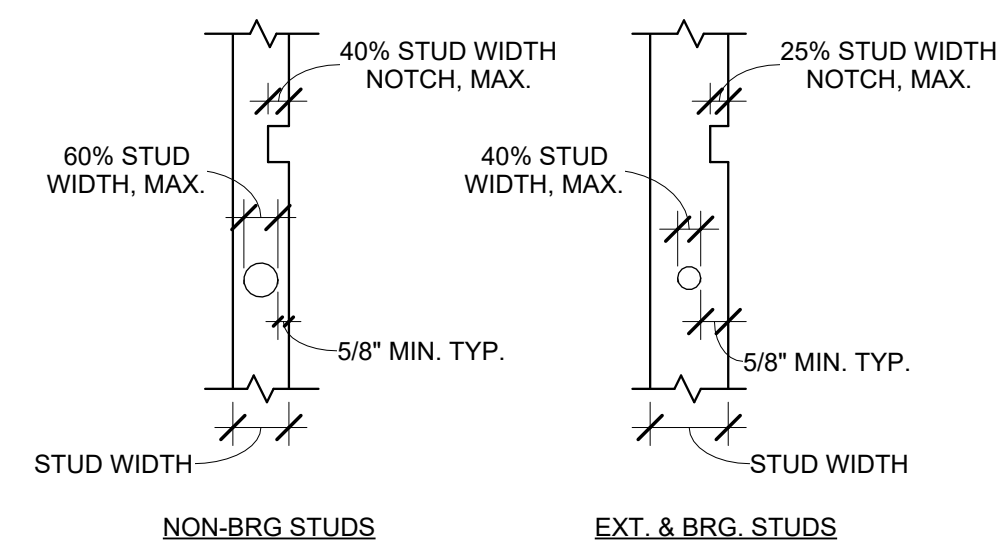
GENERAL NOTES

SAA STRUCTURAL ENGINEERING logo and seal for Nick Sivushenka, Licensed Professional Engineer, C 87898, Civil, State of California.

S-0.1



NOTE:
NOTCHING JOIST IS NOT ACCEPTABLE WITHOUT
STRUCTURAL ENGINEER'S APPROVAL



NOTE:
NOTCH AND BORING NOT TO OCCUR IN
SAME STUD SECTION.

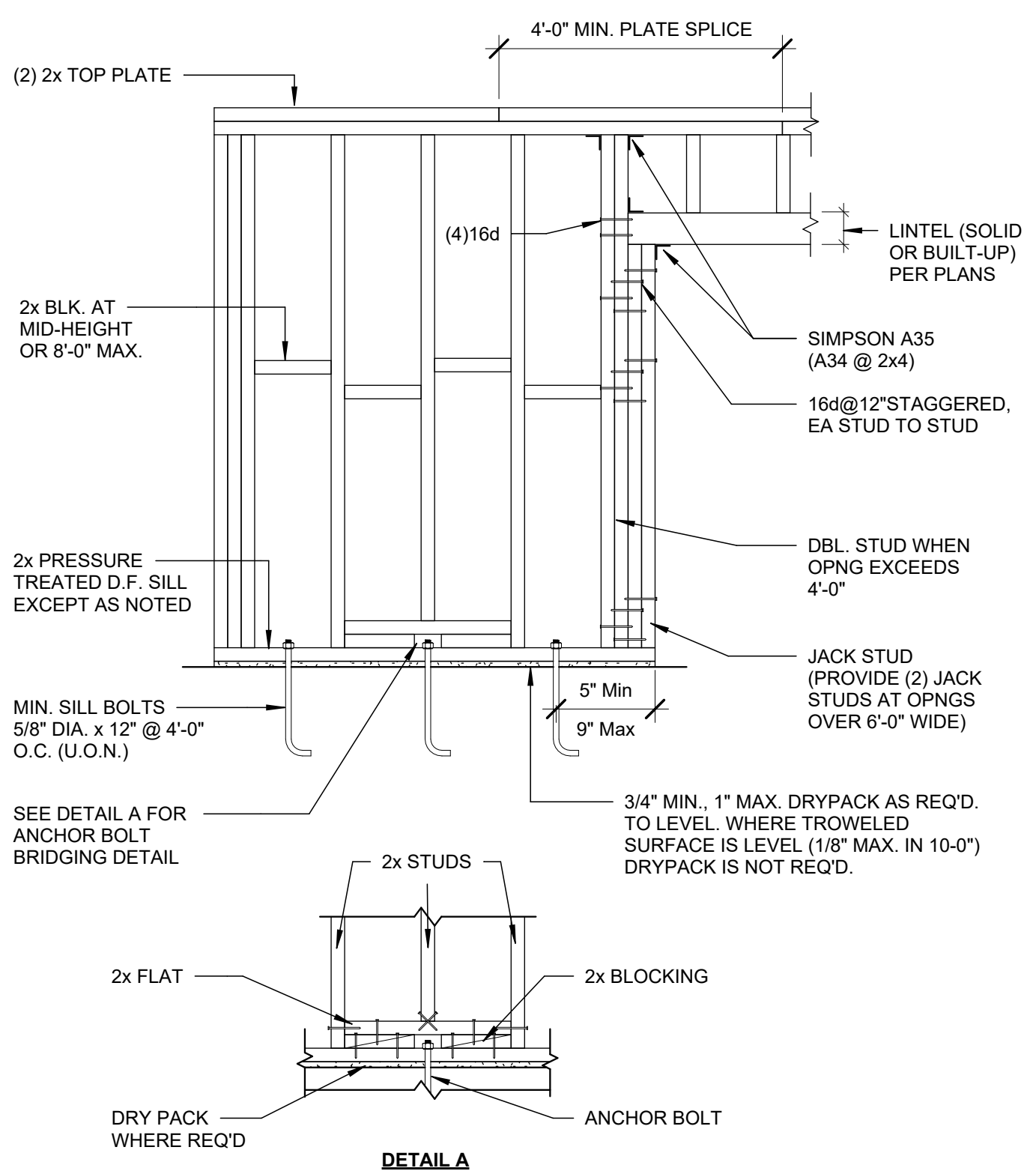
NOTCH/BORE % OF STUD	2x4	2x6
25%	7/8"	1 3/8"
40%	1 3/8"	2 1/8"
60%	2"	3 1/4"

4 Typical Boring of Joists

S-0.4 NOT TO SCALE

3 Typical Notching & Boring of Studs

S-0.4 NOT TO SCALE



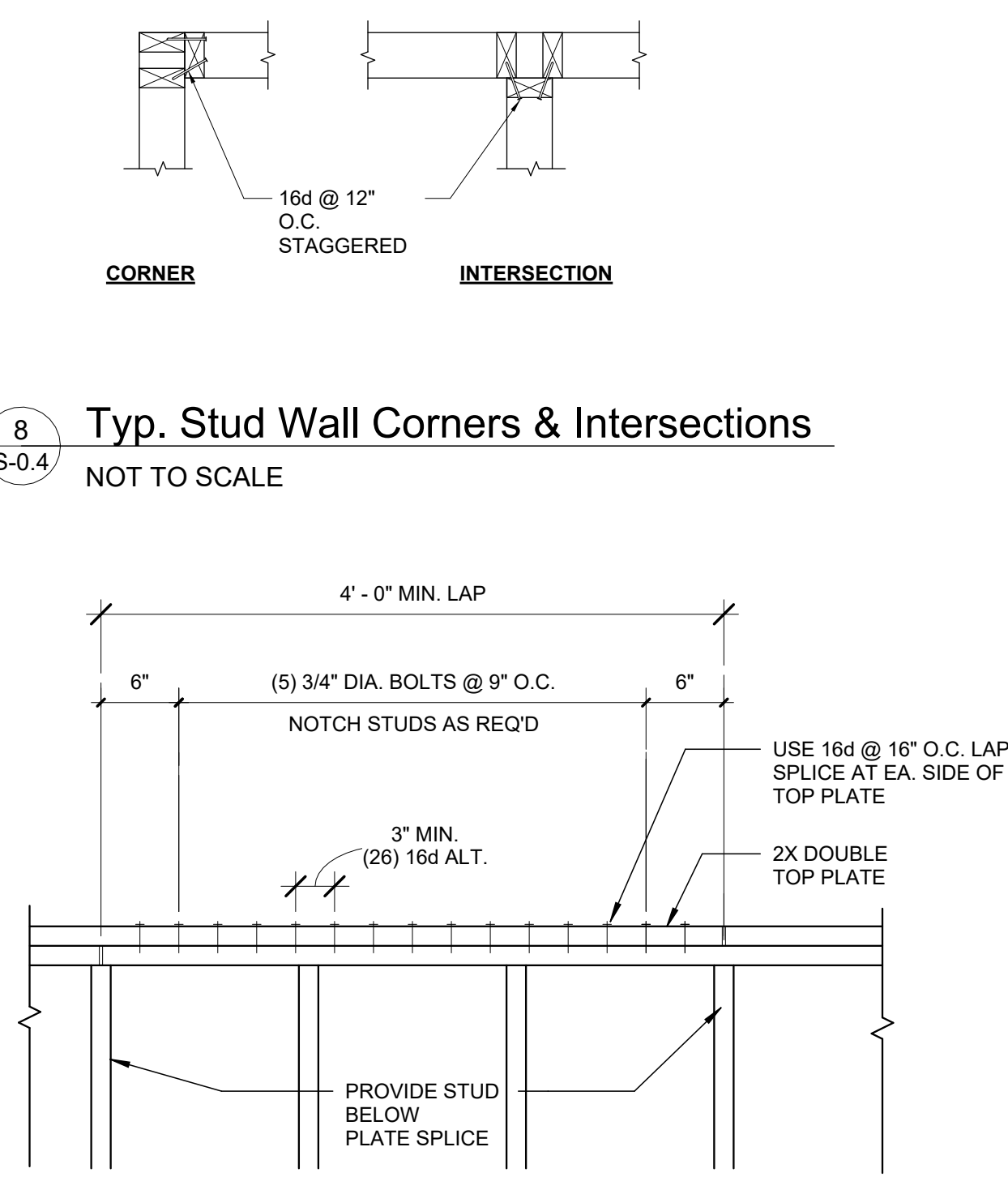
DETAIL A

9 Stud Wall Framing

S-0.4 NOT TO SCALE

8 Typ. Stud Wall Corners & Intersections

S-0.4 NOT TO SCALE



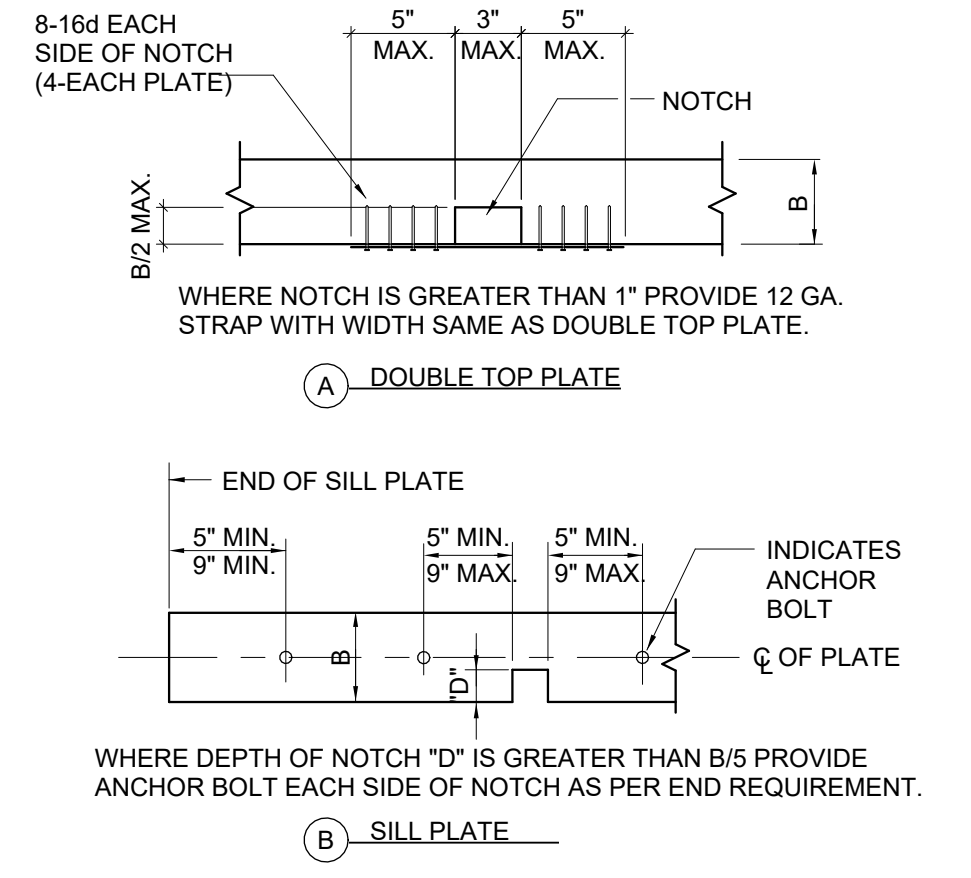
7 Double Top Plate Splice

S-0.4 NOT TO SCALE

NAILING SCHEDULE

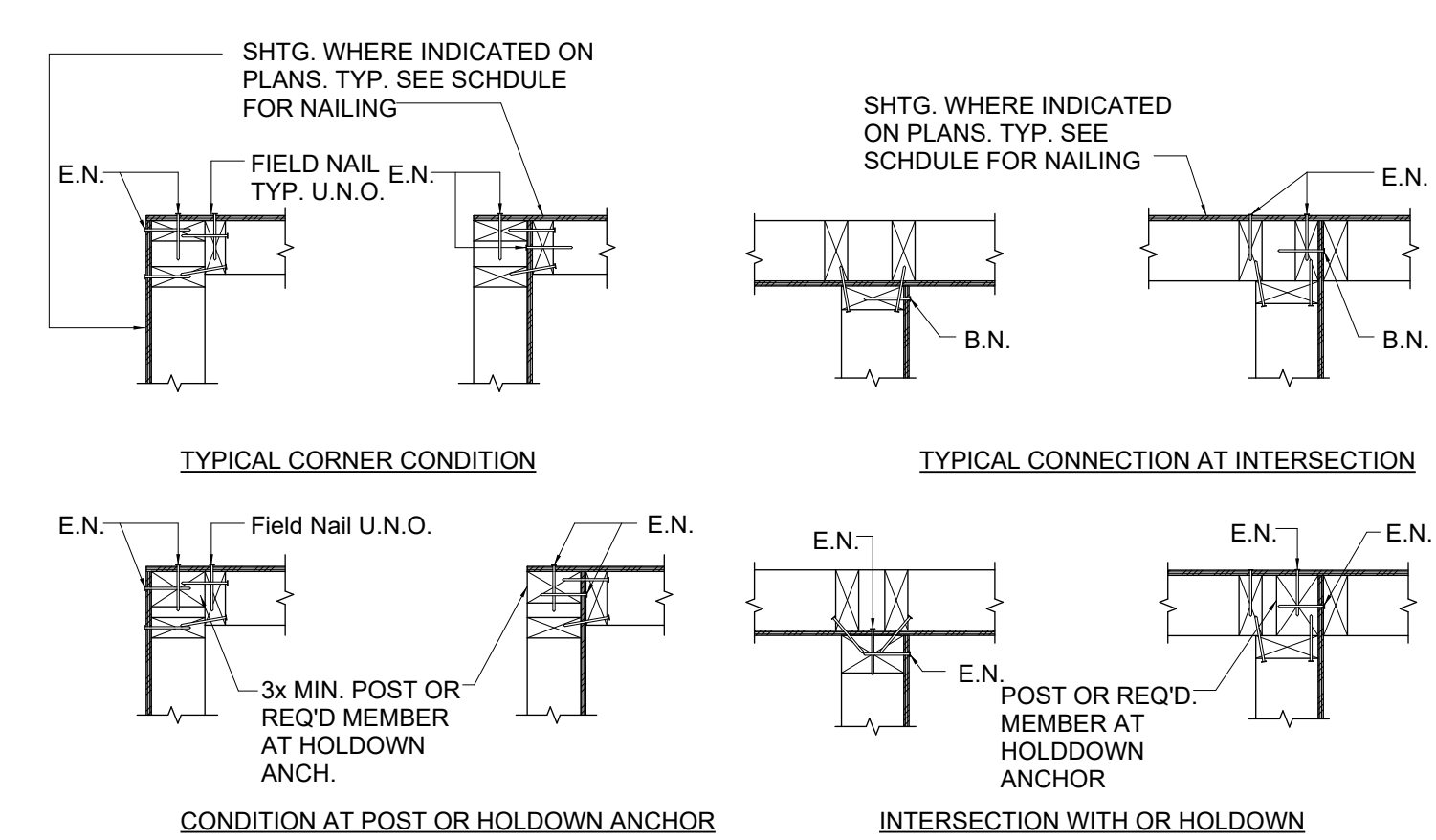
CONNECTION	NAILING ¹
1. JOIST TO SILL OR GIRDER, TOENAIL	3-8d
2. BRIDGING TO JOIST, TOENAIL EACH END	2-8d
3. 1"x6" SUBFLOOR OR LESS TO EACH JOIST, FACE NAIL	2-8d
4. WIDER THAN 1"x6" SUBFLOOR TO EACH JOIST, FACE NAIL	3-8d
5. 2" SUBFLOOR TO JOIST OR GIRDER, BLIND AND FACE NAIL	2-16d
6. SOLE PLATE TO JOIST OR BLOCKING, TYPICAL FACE NAIL	16d AT 16" O.C.
SOLE PLATE TO JOIST OR BLOCKING, AT BRACED WALL PANELS	3-16d PER 16"
7. TOP PLATE TO STUD, END NAIL	2-16d
8. STUD TO SOLE PLATE	4-8d TOENAIL OR 2-16d END NAIL
9. DOUBLE STUDS, FACE NAIL	16d AT 24" O.C.
10. DOUBLED TOP PLATES, TYPICAL FACE NAIL	16d AT 16" o.c.
DOUBLED TOP PLATES, LAP SPLICE	8-16d
11. BLOCKING BETWEEN JOIST OR RAFTERS TO TOP PLATE, TOENAIL	3-8d
12. RIM JOIST TO TOP PLATE, TOENAIL	8d AT 6" O.C.
13. TOP PLATES, LAPS AND INTERSECTIONS	2-16d
14. CONTINUOUS HEADER, TWO PIECES	16d AT 16" O.C. ALONG EA. END
15. CEILING JOIST TO PLATE, TOENAIL	3-8d
16. CONTINUOUS HEADER TO STUD, TOENAIL	4-8d
17. CEILING JOIST, LAPS OVER PARTITIONS, FACE NAIL	3-16d
18. CEILING JOIST TO PARALLEL RAFTERS, FACE NAIL	3-16d
19. RAFTER TO PLATE, TOENAIL	3-8d
20. 1" BRACE TO EACH STUD AND PLATE, FACE NAIL	2-8d
21. 1"x8" SHEATHING OR LESS TO EACH BEARING, FACE NAIL	2-8d
22. WIDER THAN 1"x8" SHEATHING TO EACH BEARING, FACE NAIL	3-8d
23. BUILT UP CORNER STUDS	16d AT 24" O.C.
24. BUILT UP GIRDER AND BEAMS	20d AT 32" O.C. AT TOP AND BOTTOM AND STAGGERED 2-20d AT ENDS AND AT EA. SPLICE
25. 2" PLANKS	2 - 16d AT EACH BEARING
26. COLLAR TIE TO RAFTER, FACE NAIL	3-10d
27. JACK RAFTER TO HIP	3-8d TOENAIL OR 2-16d FACE NAIL
28. ROOF RAFTER TO 2x RIDGE BEAM	2-16d TOENAIL OR FACE NAIL
29. JOIST TO BAND JOIST, FACE NAIL	3-16d
30. LEDGER STRIP	3-16d
31. WOOD STRUCTURAL PANELS AND PARTICLEBOARD ² SUBFLOOR, ROOF AND WALL SHEATHING (TO FRAMING)	
1/2" AND LESS	6d ^{3,12}
19/32" TO 3/4"	8d ⁴ OR 6d ⁵
7/8" TO 1"	8d ³
1 1/8" TO 1 1/4"	10d OR 8d ⁵
SINGLE FLOOR (COMBINATION SUBFLOOR- UNDERLAYMENT TO FRAMING)	
3/4" AND LESS	6d ⁵
7/8" TO 1"	8d ⁵
1 1/8" TO 1 1/4"	10d OR 8d ⁵
32. PANEL SIDING (TO FRAMING): 1/2" OR LESS	6d ⁶
25/32"	8d ⁶
33. FIBERBOARD SHEATHING: ⁷ 1/2"	NO. 11 GA. ⁸
	6d ⁴
25/32"	NO. 11 GA. ⁸
	8d ⁴
34. INTERIOR PANELING 1/4"	4d ¹⁰
3/8"	6d ¹¹

- COMMON OR BOX NAILS ARE PERMITTED TO BE USED EXCEPT WHERE OTHERWISE STATED.
- NAILS SPACED AT 6 INCHES ON CENTER AT EDGES, 12 INCHES AT INTERMEDIATE SUPPORTS EXCEPT 6 INCHES AT SUPPORTS WHERE SPANS ARE 48 INCHES OR MORE. FOR NAILING OF WOOD STRUCTURAL PANEL AND PARTICLE BOARD DIAPHRAGMS AND SHEAR WALLS, REFER TO CBC SECTION 2305. NAILS FOR WALL SHEATHING ARE PERMITTED TO BE COMMON, BOX OR CASING.
- COMMON OR DEFORMED SHANK
- COMMON
- DEFORMED SHANK
- CORROSION-RESISTANT SIDING OR CASING NAIL
- FASTENERS SPACED 3 INCHES ON CENTER AT EXTERIOR EDGES AND 6 INCHES ON CENTER AT INTERMEDIATE SUPPORTS. WHEN USED AS STRUCTURAL SHEATHING, SPACING SHALL BE 6 INCHES ON CENTER ON THE EDGES AND 12 INCHES ON CENTER AT INTERMEDIATE SUPPORTS FOR NON-STRUCTURAL APPLICATIONS.
- CORROSION-RESISTANT ROOFING NAILS WITH 7/16" DIAMETER HEAD AND 1 1/2" LENGTH FOR 1/2" SHEATHING AND 1 3/4" LENGTH FOR 25/32" SHEATHING
- CORROSION RESISTANT STAPLES WITH NOMINAL 7/16" CROWN AND 1 1/8" LENGTH FOR 1/2" SHEATHING AND 1 1/2" LENGTH FOR 25/32" SHEATHING. PANEL SUPPORTS AT 16 INCHES (20 INCHES IF STRENGTH AXIS IN THE LONG DIRECTION OF THE PANEL, UNLESS OTHERWISE MARKED).
- CASING OR FINISH NAILS SPACED 6 INCHES ON PANEL EDGES, 12 INCHES AT INTERMEDIATE SUPPORTS.
- PANEL SUPPORTS AT 24 INCHES. CASING OR FINISH NAILS AT 6 INCHES ON PANEL EDGES, 12 INCHES AT INTERMEDIATE SUPPORTS.
- FOR ROOF SHEATHING APPLICATIONS, 8d NAILS ARE THE MINIMUM REQUIRED FOR WOOD STRUCTURAL PANELS.
- STAPLES SHALL HAVE A MINIMUM CROWN WIDTH OF 7/16 INCH.
- FOR ROOF SHEATHING APPLICATIONS, FASTENERS SPACED 4 INCHES ON CENTER AT EDGES, 8 INCHES AT INTERMEDIATE SUPPORTS.
- FASTENERS SPACED 4 INCHES ON CENTER AT EDGES, 8 INCHES AT INTERMEDIATE SUPPORTS FOR SUBFLOOR AND WALL SHEATHING AND 3 INCHES ON CENTER AT EDGES, 6 INCHES AT INTERMEDIATE SUPPORTS FOR ROOF SHEATHING.
- FASTENERS SPACED 4 INCHES ON CENTER AT EDGES, 8 INCHES AT INTERMEDIATE SUPPORTS.



5 Notching of Plates

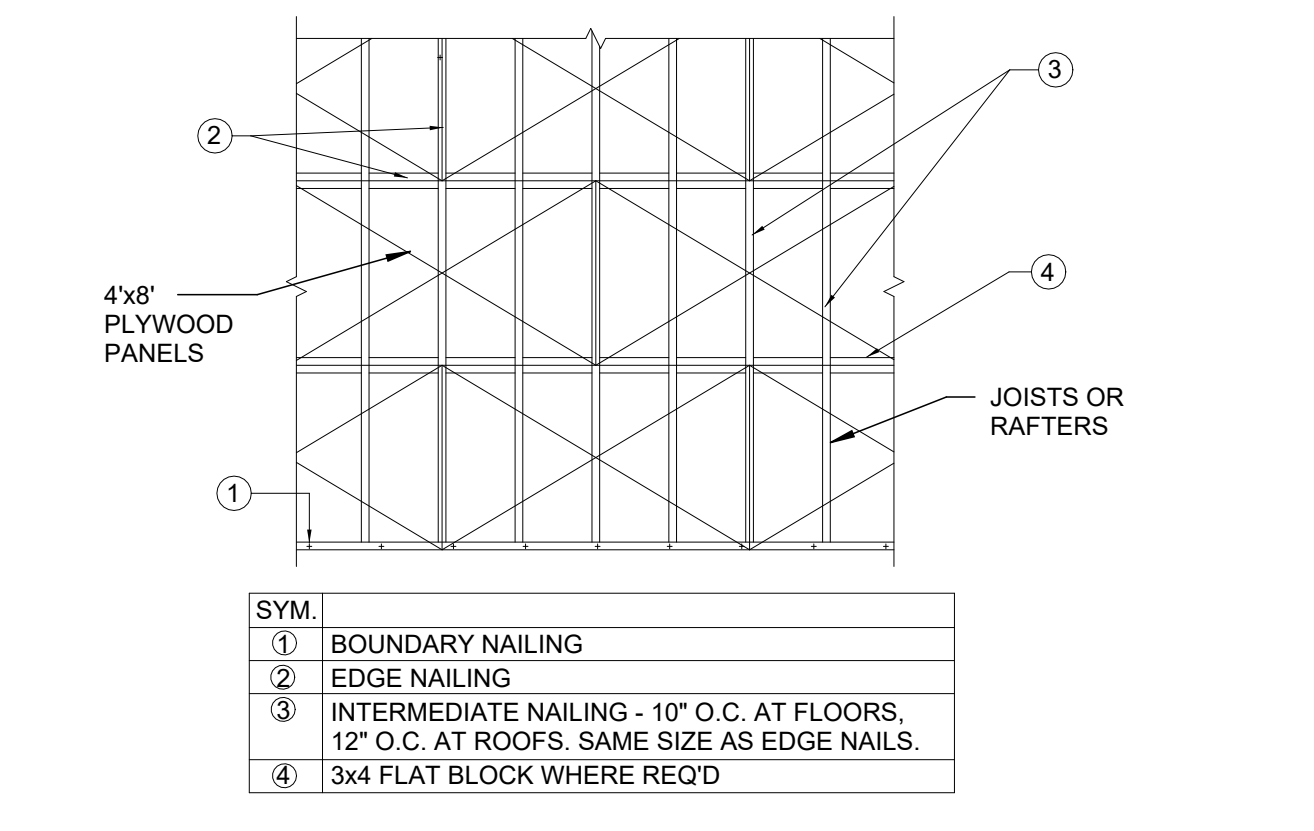
S-0.4 NOT TO SCALE



NOTES:
STUDS IN DIRECT CONTACT SHALL BE NAILED TOGETHER WITH 16d @ 12" O.C. (STAGGERED IF POSSIBLE). STUDS SEPARATED BY SHEATHING SHALL BE NAILED WITH 20d @ 12" O.C. U.N.O. PRE-DRILLED HOLES ARE REQUIRED FOR 20d SPIKES.

13 Shear Wall Corners & Intersections

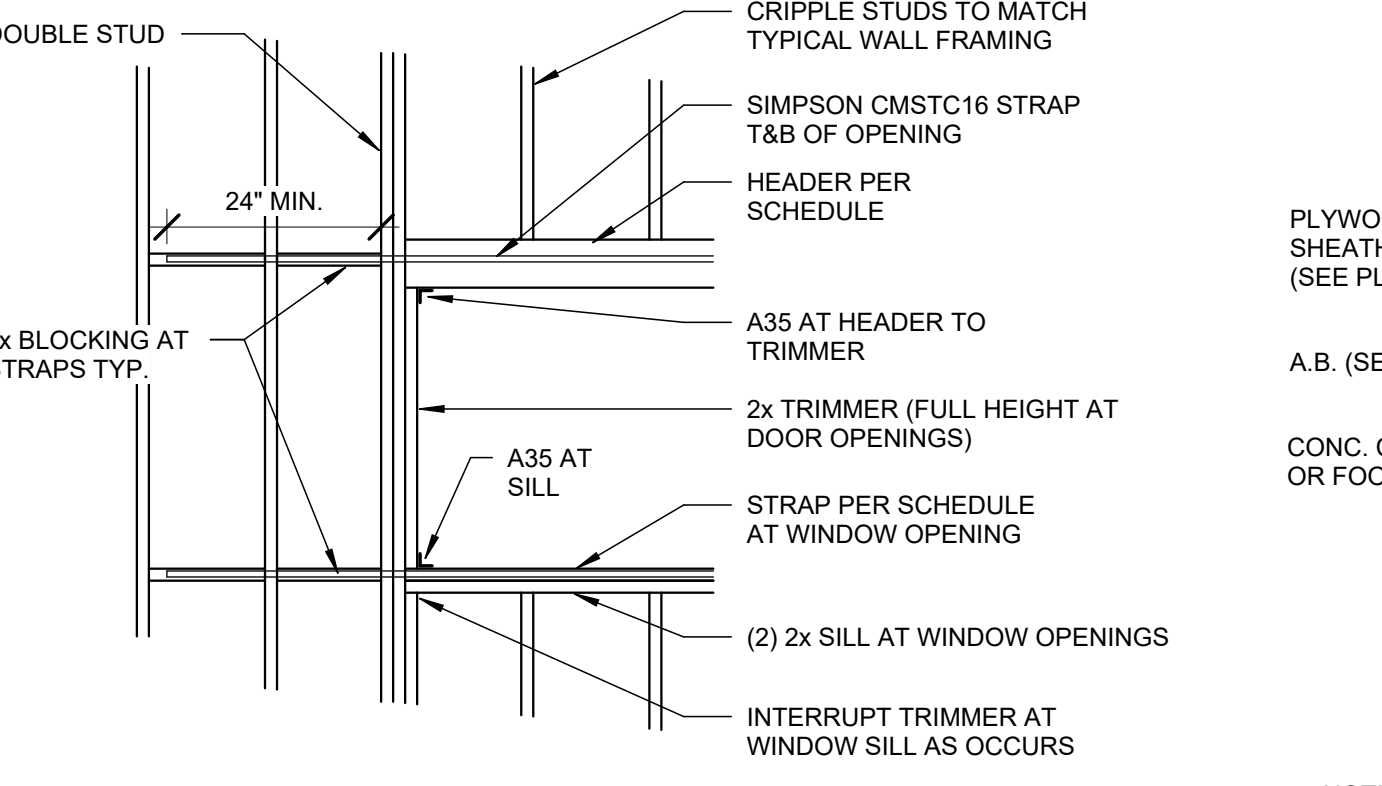
S-0.4 NOT TO SCALE



- NOTES:
- PLYWOOD THICKNESS AND NAILING PER PLAN.
 - FACE GRAIN OF PLYWOOD SHALL RUN PERPENDICULAR TO SUPPORTS.
 - NAILS SHALL HAVE MIN. 3/8" EDGE DISTANCE AND SHALL NOT BE OVER-DRIVEN THRU OUTER PLY.
 - CONTINUOUS PANEL EDGES SHALL RECEIVE BOUNDARY NAILING.
 - STAGGER PLYWOOD JOINTS.

12 Typical Plywood Layout & Nailing

S-0.4 NOT TO SCALE

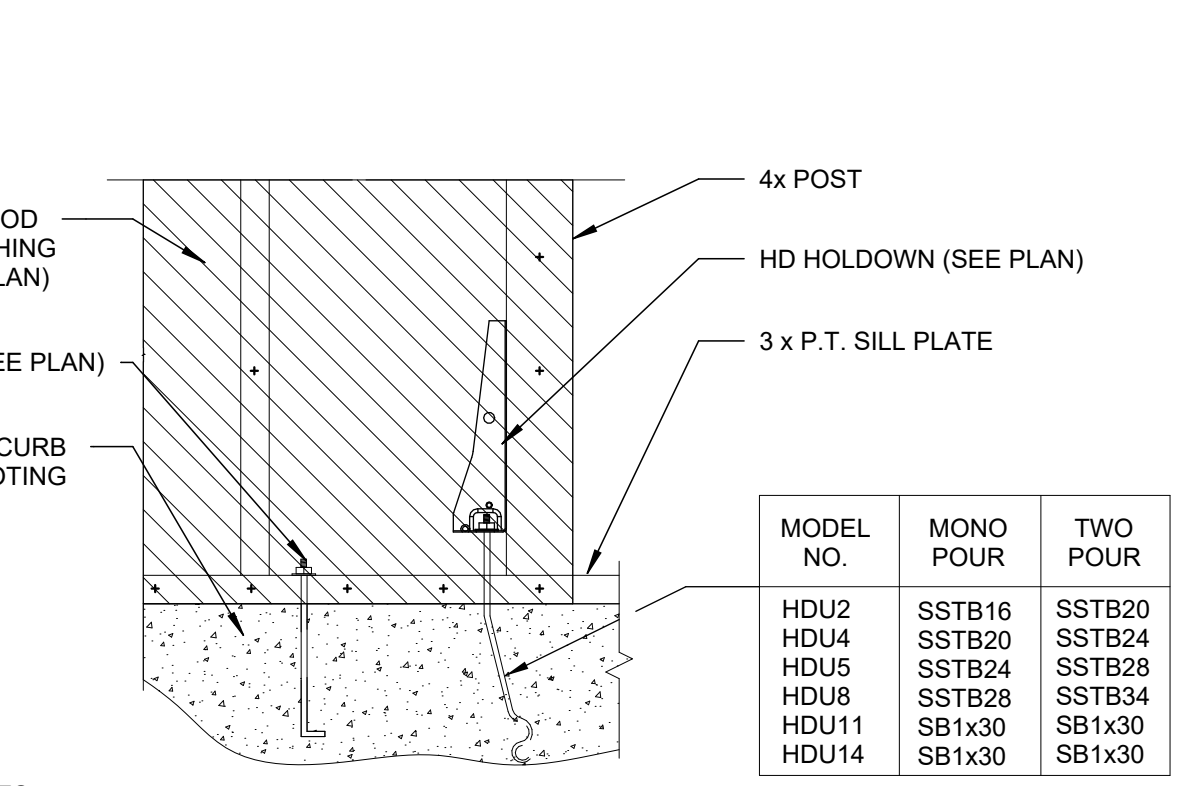


OPNG	HEADER
UP TO 3'-0"	4x4
UP TO 5'-0"	4x6
UP TO 8'-0"	4x8

- NOTES:
- HEADERS TO BE DF-L NO. 1. HEADER SIZES PER SCHEDULE U.O.N. ON PLANS.
 - STRAPS ARE TO BE INSTALLED OVER PLYWOOD.
 - PROVIDE E.N. TO ALL FRAMING MEMBERS AROUND OPENINGS AND BLOCKING.

11 Typical Framed Opening in Shearwall

S-0.4 NOT TO SCALE



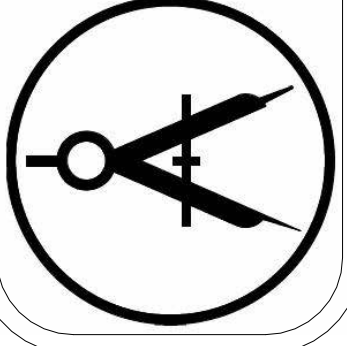
MODEL NO.	MONO POUR	TWO POUR
HDU2	SSTB16	SSTB20
HDU4	SSTB20	SSTB24
HDU5	SSTB24	SSTB28
HDU8	SSTB28	SSTB34
HDU11	SB1x30	SB1x30
HDU14	SB1x30	SB1x30

MODEL NO.	DIA.	MIN. EMBED
SSTB20	5/8"	17
SSTB24	5/8"	20
SSTB28	7/8"	25
SSTB34	7/8"	25
SSTB36	7/8"	29

- NOTES:
- HOLDOWN HARDWARE SHALL BE SECURED IN PLACE PRIOR TO FOUNDATION INSPECTION
 - HOLDOWN CONNECTOR BOLTS INTO WOOD FRAMING REQUIRE APPROVED PLATE WASHERS.
 - HOLDOWN CONNECTOR BOLTS SHALL BE TIGHTENED PRIOR TO COVERING THE WALL FRAMING.
 - SEE FOUNDATION PLAN FOR LOCATION AND SHEARWALL INFORMATION.

10 Typical Detail at Holddown

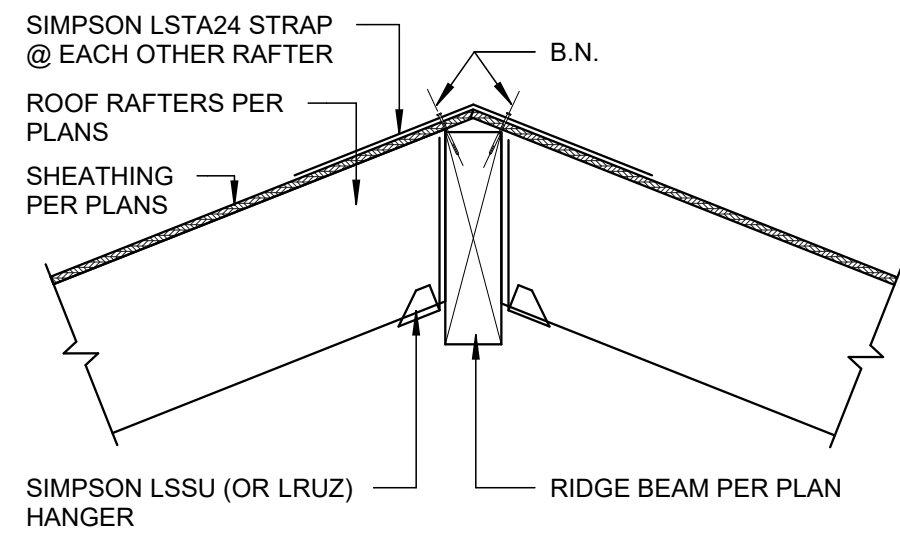
S-0.4 NOT TO SCALE



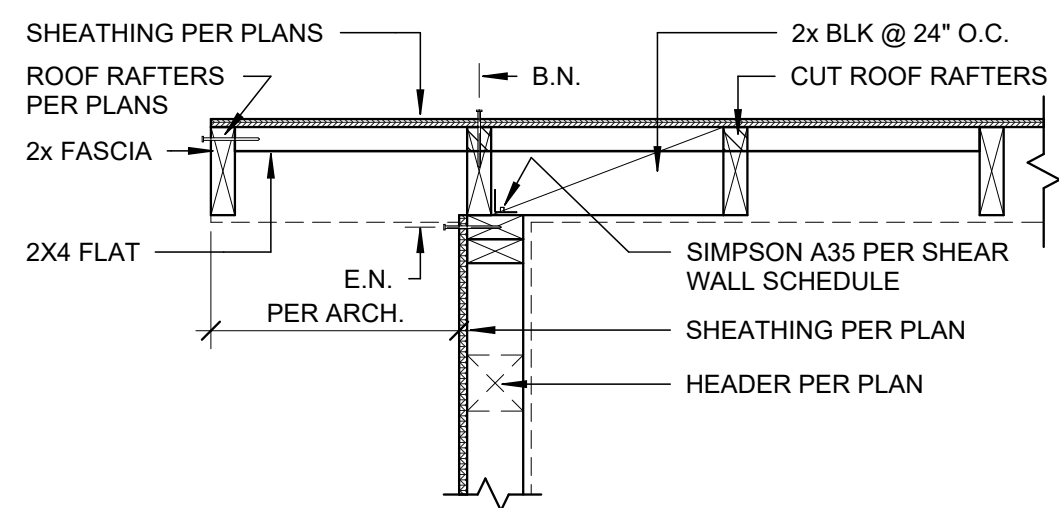
NEW ADU

TYPICAL DETAILS

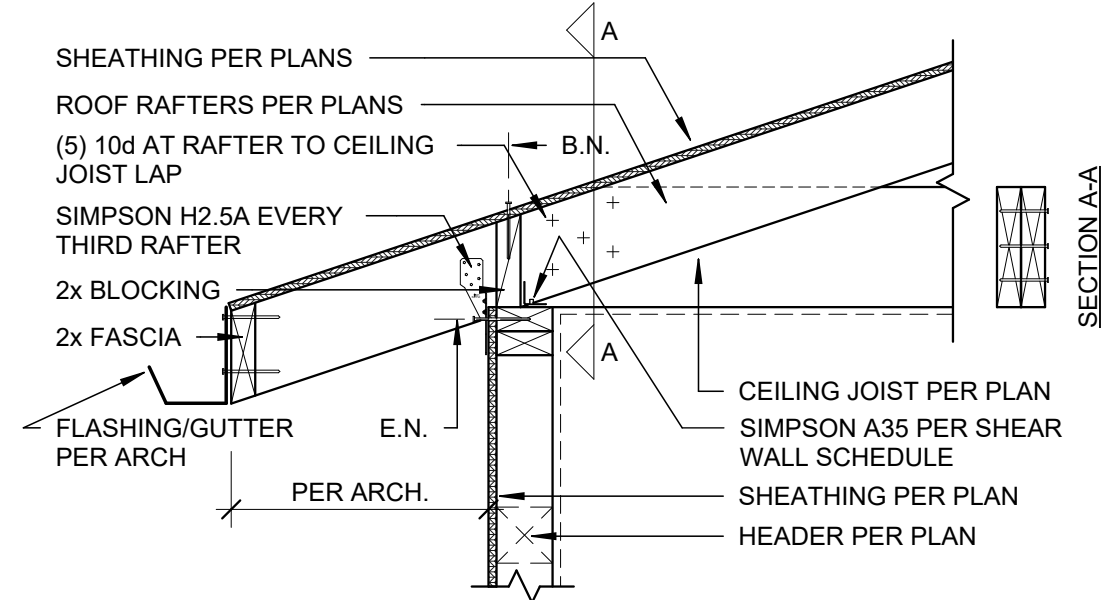




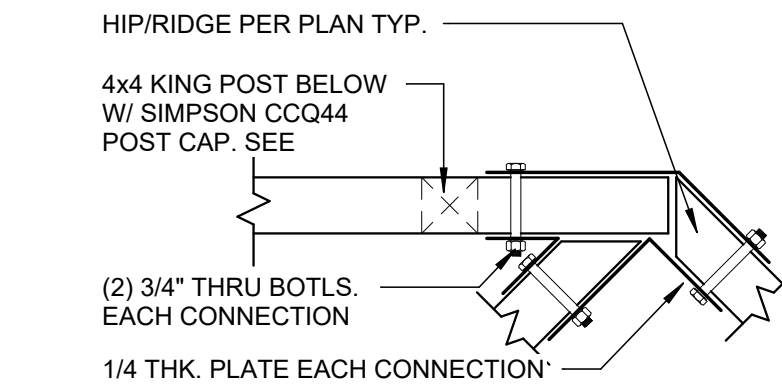
3 Typical Ridge/Hip Beam Detail
1" = 1'-0"



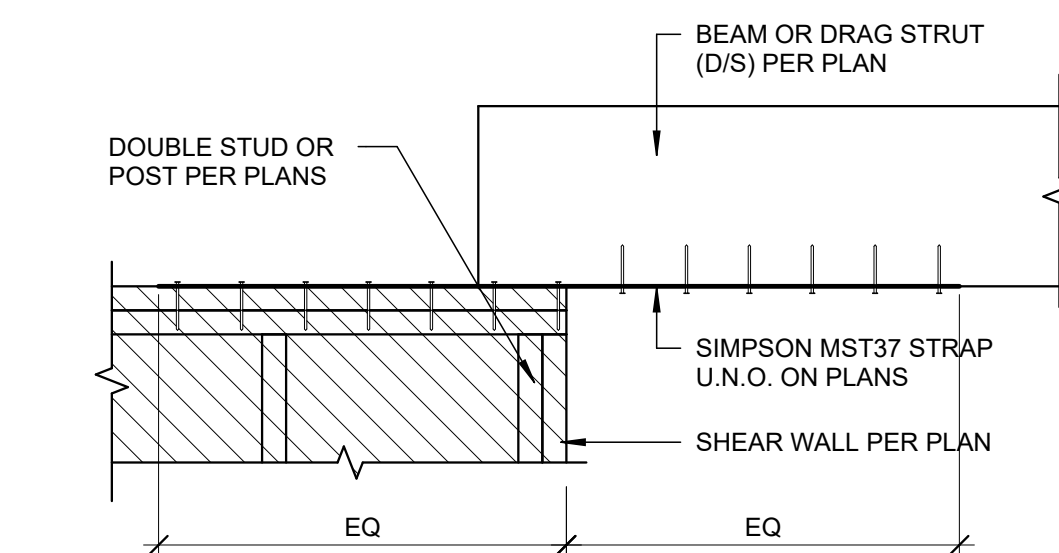
2 Typical Ext. Shear Transfer at Wall
1" = 1'-0"



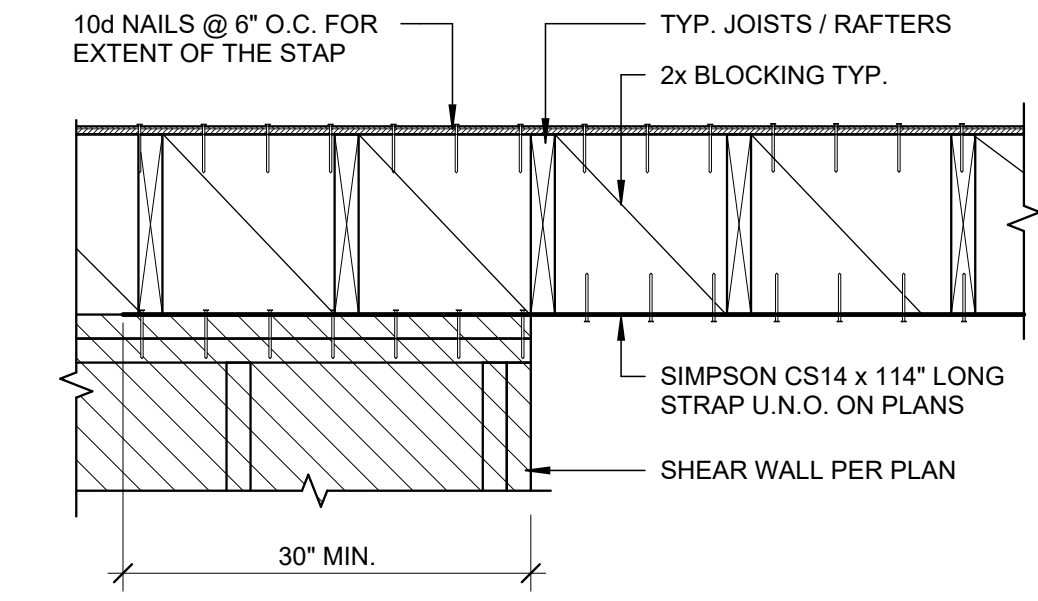
1 Typical Eave Detail Perp.
1" = 1'-0"



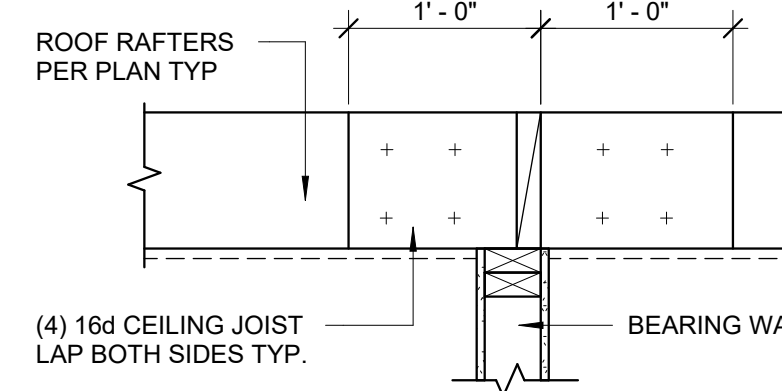
6 Roof Beams Connection
1" = 1'-0"



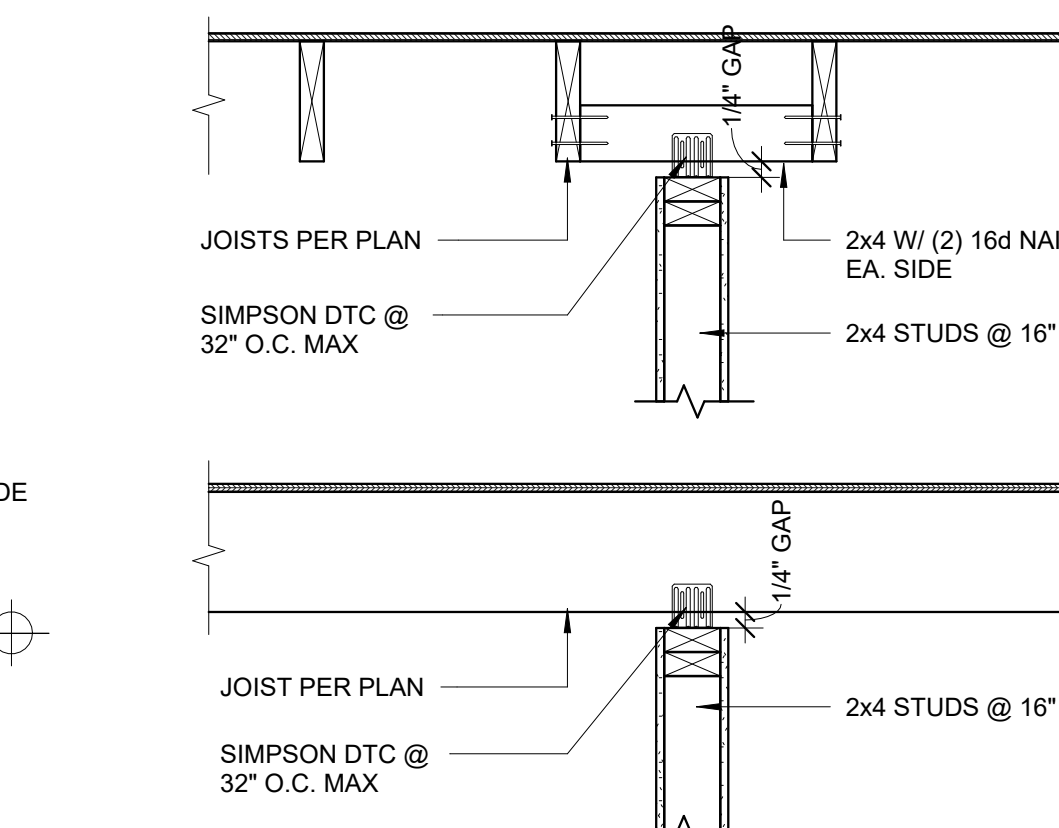
5 Typ. Drag Strut Detail
1" = 1'-0"



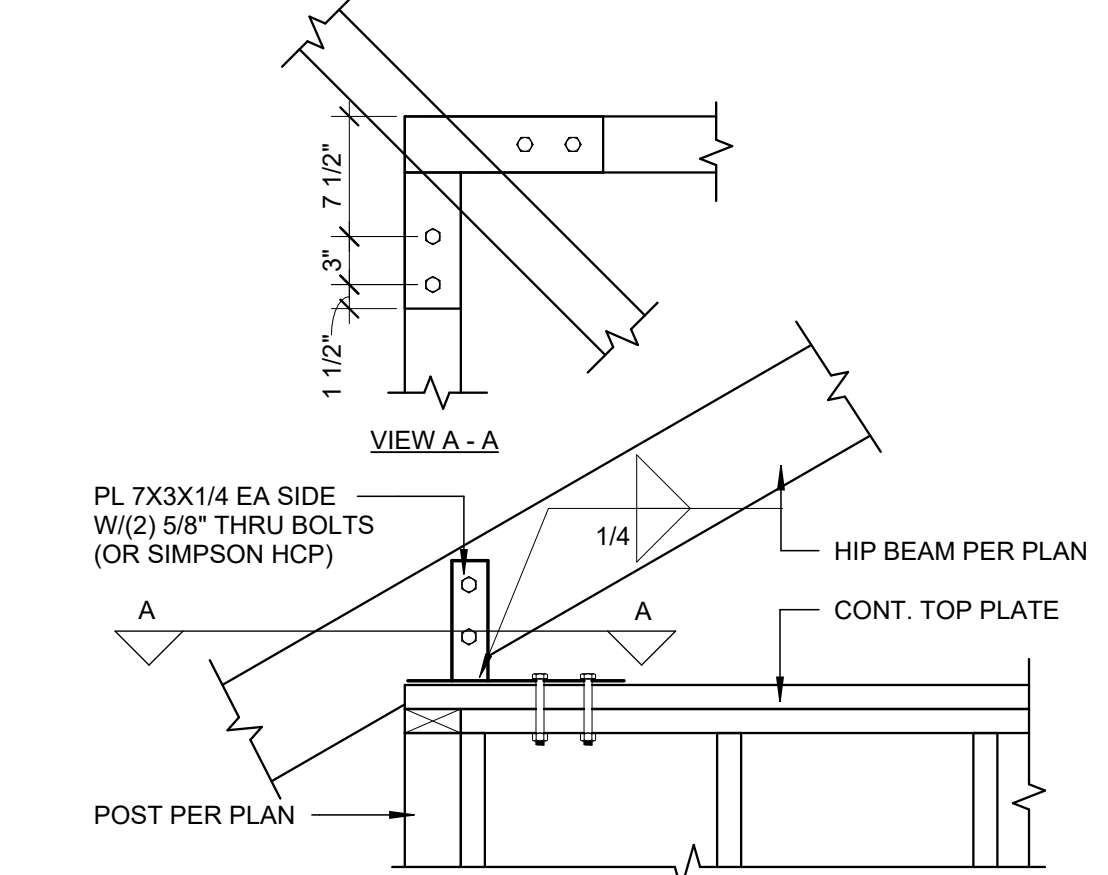
4 Typ. Drag Strut Detail
1" = 1'-0"



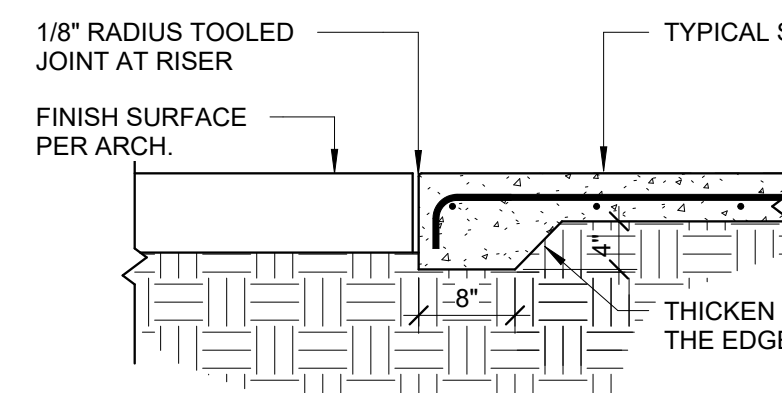
9 Bearing, Non-Shear Wall Detail
1" = 1'-0"



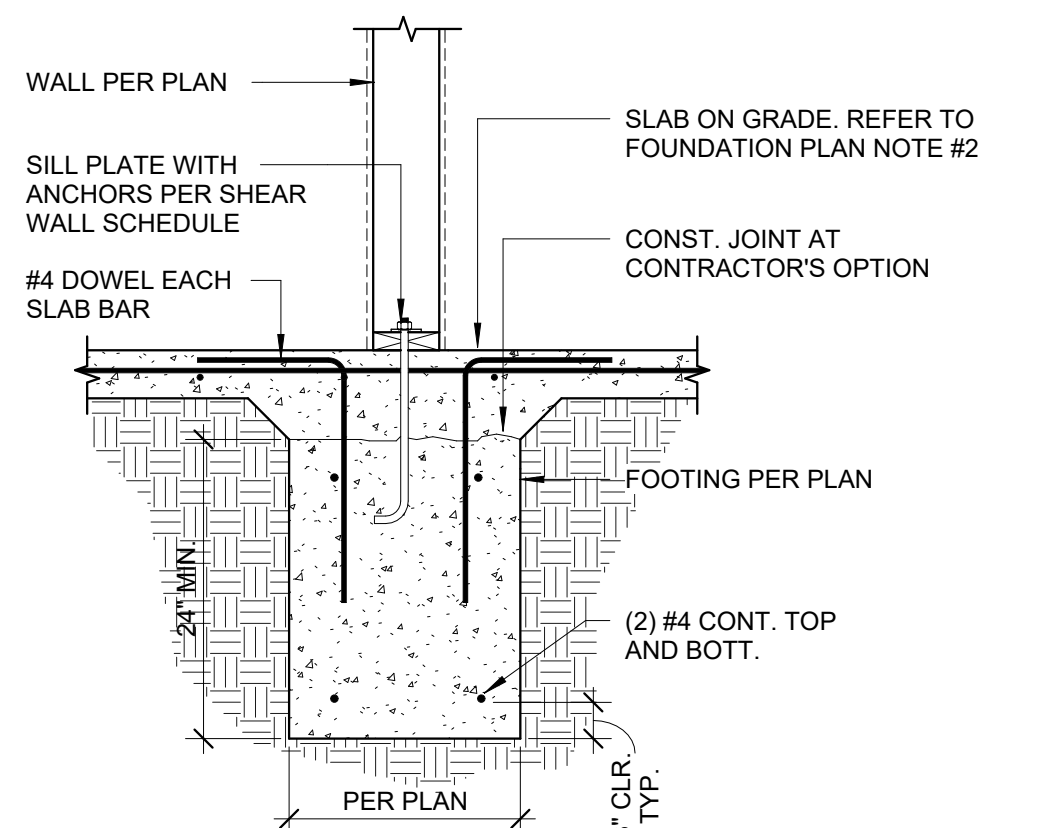
8 Typ. Non-Bearing Partition Wall Detail
1" = 1'-0"



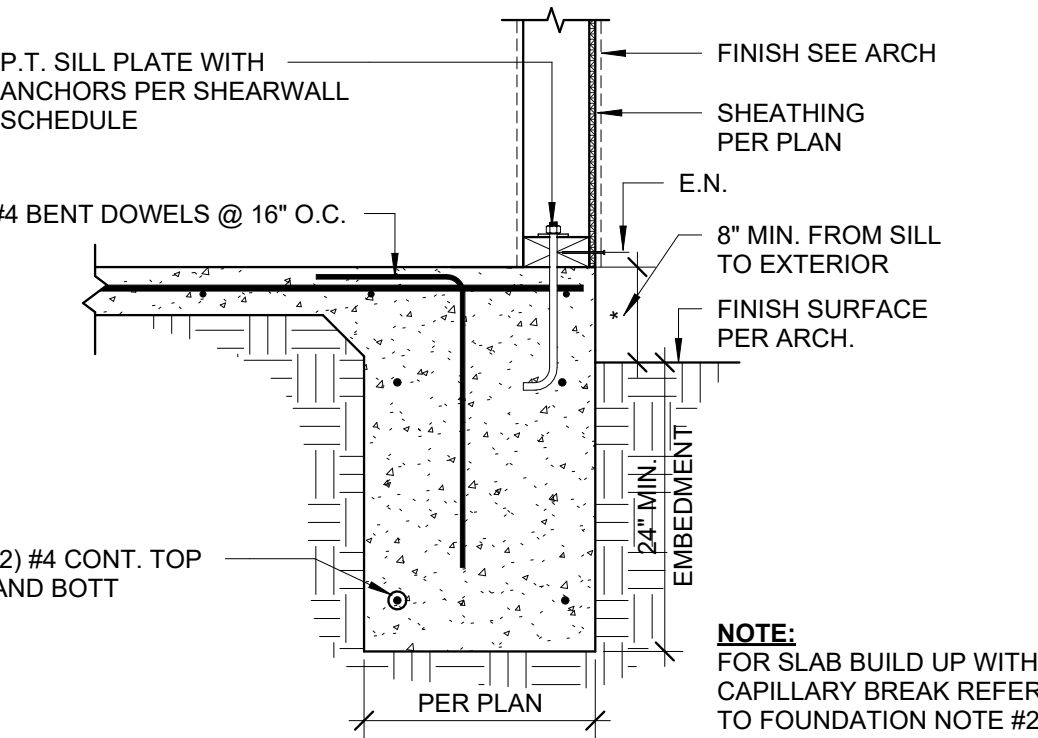
7 Typical Hip to Top Plate Detail
1" = 1'-0"



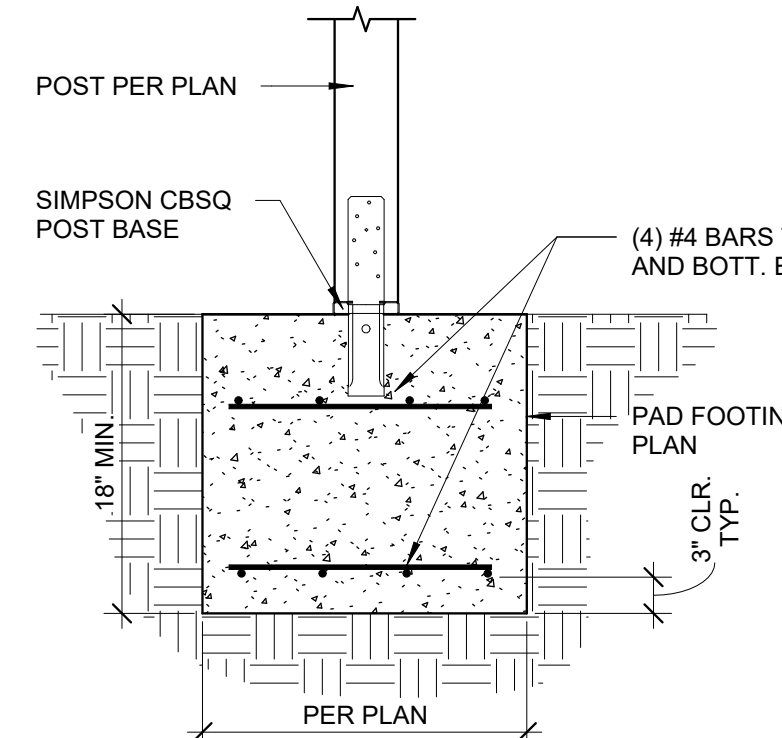
10 Slab on Grade Edge
3/4" = 1'-0"



12 Typical Interior Wall Footing Detail
3/4" = 1'-0"



11 Typical Exterior Wall Footing Detail
3/4" = 1'-0"



13 Pad Footing Detail
3/4" = 1'-0"

Foundation Plan Notes

- Footings are to be founded a minimum of 2' - 0" below adjacent grade.
- Slab on grade to be minimum 4" thick with #4@16" o.c. each way chaired at mid thickness. Slab to be underlain by 10 mil vapor barrier/4" crusher-run base compacted by mechanical means. Vapor barrier to be in conformance with ASTM E1643 and installed per manufacturer's recommendations with care taken to seal seams, penetrations and perimeter edges. See slab detail below.
- Control joints are required for the slab on grade at a maximum spacing of 15' on centers each way. The contractor is required to submit a plan of proposed control joints to the Architect and SAA prior to placing concrete. See Typical Details for additional information.
- Concrete curbs required along some exterior walls. Coordinate with Arch for extent and configuration of curbs. See structural detail sheets for relevant construction information where curbs required.
- Foundation sills shall be naturally durable or preservative-treated wood.
- If adverse soil conditions are encountered, a soils investigation report may be required.

Shear Wall Schedule						
ID	Sheathing	Nailing	Sill Attachment	Wood	Top Attachment	Capacity (ASD)
1	1/2" CDX	10d@6,12	5/8"@32	SDS@16	A35@24	310 pif

Holddown Schedule					
ID	HD	Post	Fasteners	Comments	
(A)	HDU2	4x4	(6) SDS	LARR 25720	
(B)	HDU4	4x4	(10) SDS	LARR 25720	
(C)	HDU5	4x4	(14) SDS	LARR 25720	

Shear Wall Notes

- All exterior walls not otherwise designated as shear wall to be sheathed per item 1 in the Shear Wall Schedule.
- Sill anchors to concrete to be A307 anchor rods with 7" embedment in foundation. If multiple pours used, specified embedment must be contained within top pour. If not, full embedment must be achieved in lower pour level. All sill anchors to have 2-1/2" square x 1/4" plate washers under nuts. Install sill anchors in centerline of sill plate.
- Sill attachment to wood to be with Simpson SDS screws 1/4" with 1-1/2" min embed into subfloor or beams/framing below subfloor [LARR 25711].
- Where sheathing nailing is less than 4" on center or where sheathing is applied to both sides of studs use 3x studs at panel edges or panel joints.
- Sill and sole plates to be 3x minimum thickness. Use preservative treated material where in contact with concrete. See Structural Lumber section of General Notes for additional information.
- Contractor responsible for maintaining copies of referenced Los Angeles Research Report and/or conditions of listing shall be made available at the job site.

Holddown Notes

- Post sizes are minimums. Coordinate with wall framing and post sizes indicated on plans.
- SDS = Simpson SDS25xxx (provide 1-1/2" min embed).
- Hold-down connector bolts into wood framing require approved plate washers. Hold-downs shall be finger tight and 1/2 wrench turn just prior to covering the wall framing. Connector bolts into wood framing require steel plate washers on the post on the opposite side of the anchorage device. Plate size shall be a minimum of 0.299 inch by 3 inches by 3 inches.
- Hold-down hardware must be secured in place prior to foundation inspection.
- Bolts, fasteners and framing hardware in contact with preservative treated lumber to be hot dipped galvanized.

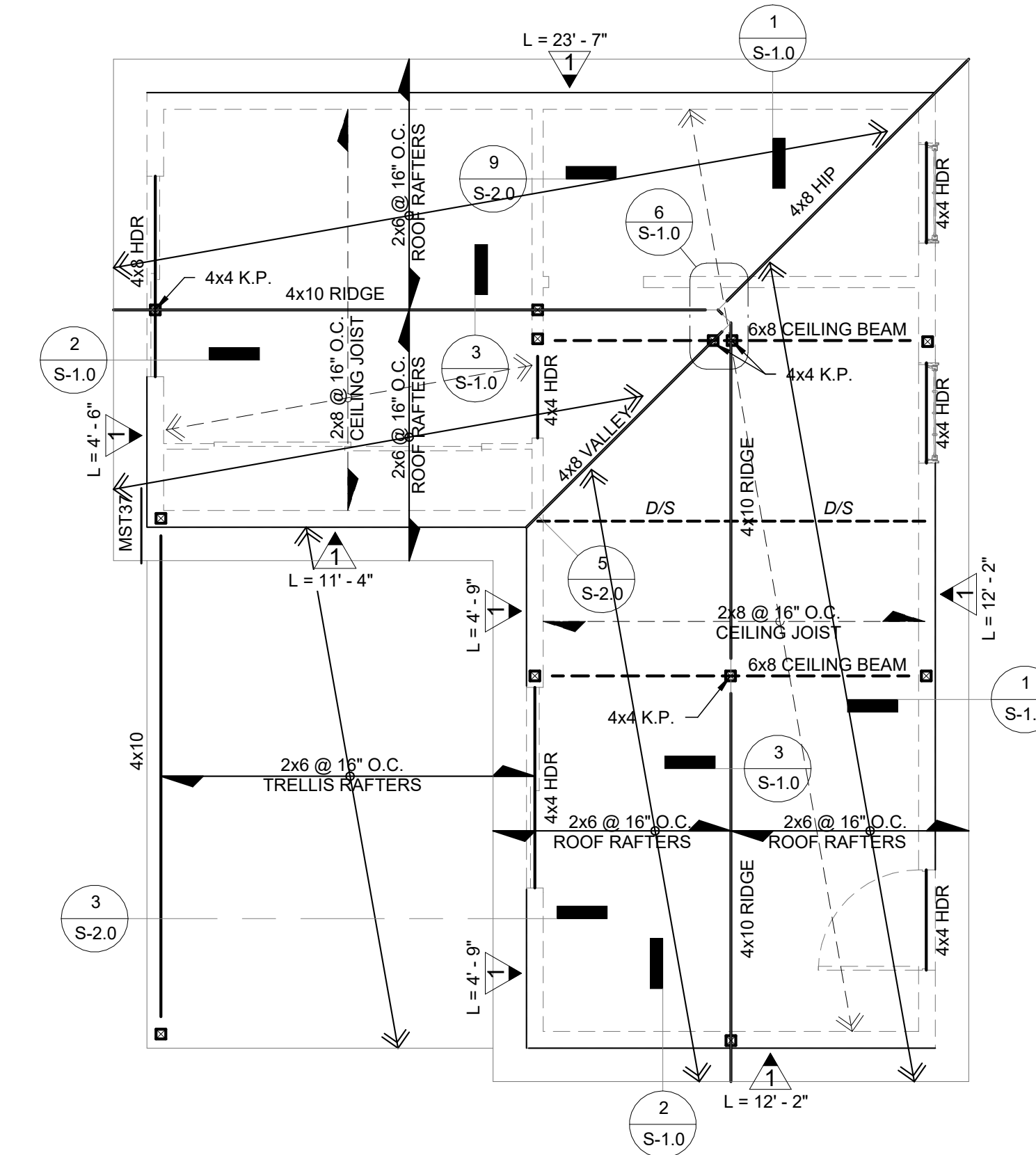
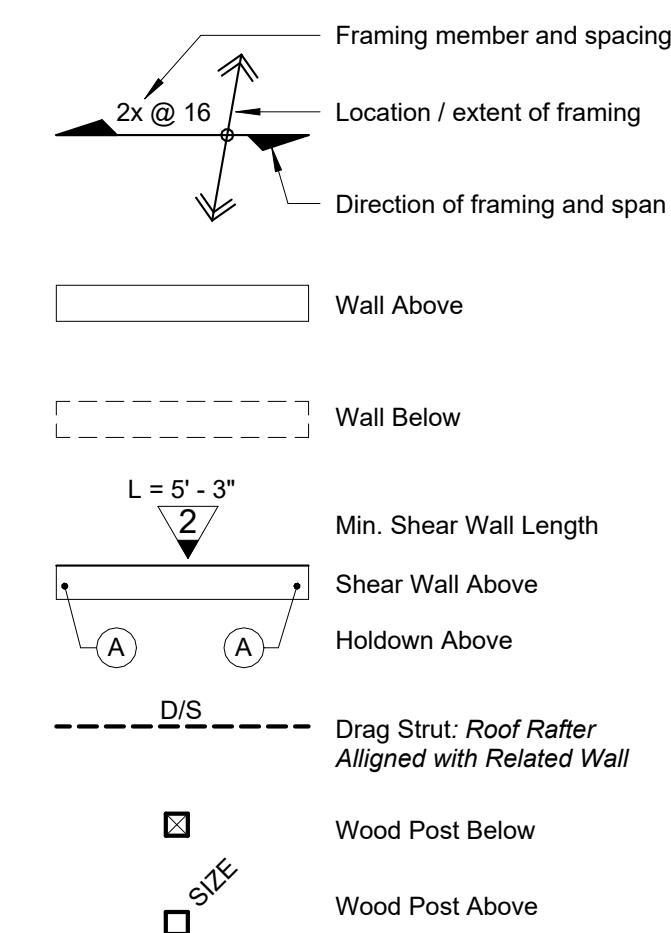
Framing Plan Notes

- Roof sheathing to be 1/2" CD-X (Span Rating 32/16) with face grain perpendicular to framing direction with panel joints staggered. Nail to framing with 10d @ 6, 12.
- Wall framing to be as follows unless noted otherwise:
Exterior walls = 2x4 @ 16
Interior non-bearing walls = 2x4 @ 16
Plumbing walls = 2x6 @ 16 (or 2x4 @ 16 with furring to avoid cutting structural framing)
- All diaphragm to utilize common nails or galvanized box nails.
- All shearwall nailing shall utilize hot dipped galvanized box nails.
- All bolt holes shall be drilled 1/32" to 1/8" oversized. For lag bolts provide lead hole 40% to 70% of threaded shank diameter and full diameter at smooth shank portion.
- Roof diaphragm nailing to be inspected before covering. Face grain of plywood shall be perpendicular to supports. Floor shall have tongue and groove or blocked panel edges. Plywood spans shall conform with 2304.7

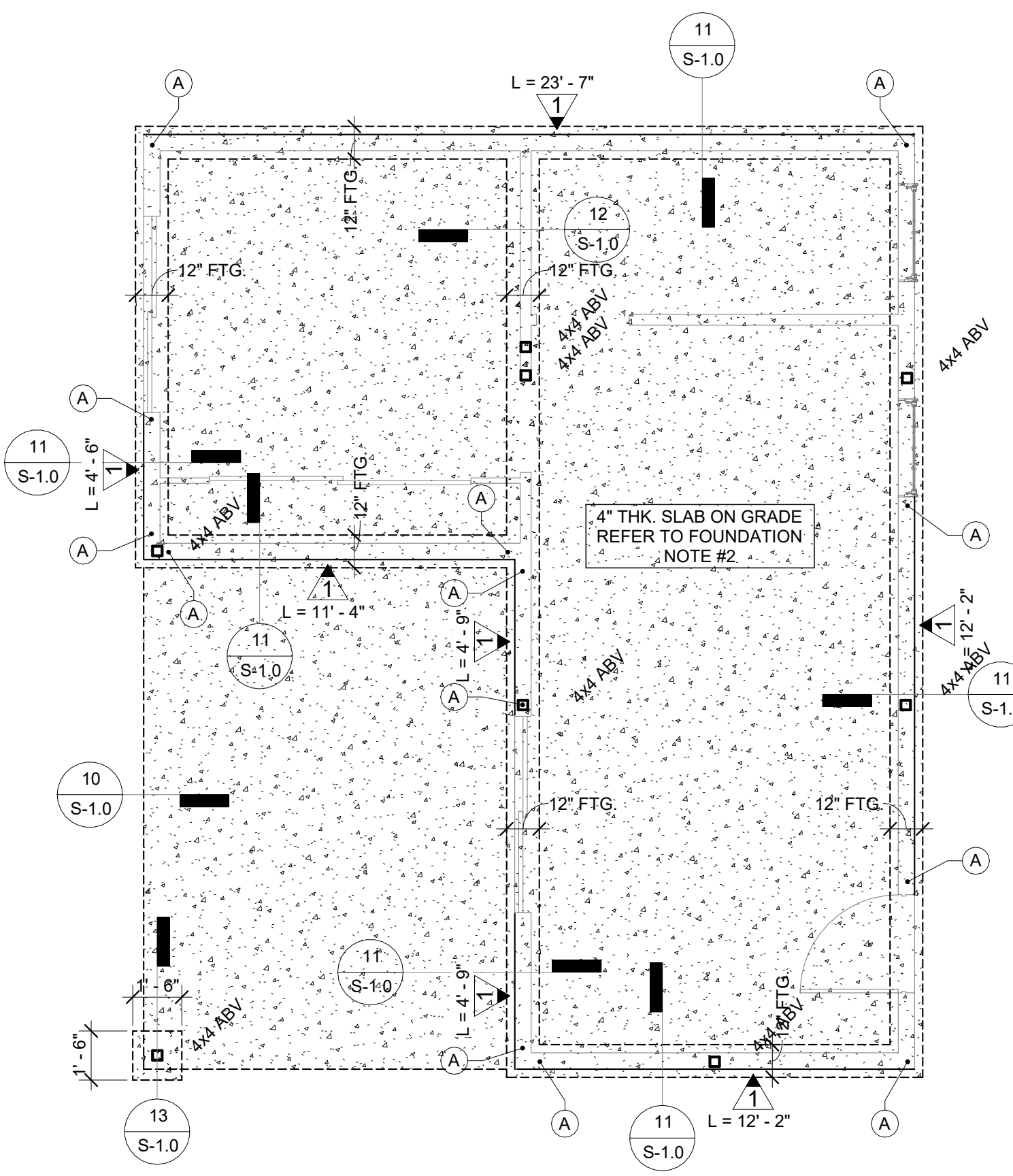
Trellis Notes

- All lumber shall be a naturally durable species (such as Redwood or Western Cedars with 90 percent or more of the width of each side is heartwood); or be preservative treated with an approved process in accordance with American Wood Protection Association standards.
- All screws, bolts, washers, nuts, and nails for use with preservative treated wood shall be hot-dipped zinc-coated galvanized steel, stainless steel, silicon bronze, or copper. Hot-dipped galvanized fasteners shall meet the requirements of ASTM A 153, Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware, Class D for fasteners 3/8" diameter and smaller or Class C for fasteners with diameters over 3/8".
- All connectors (joist hangers, etc.) shall be galvanized or shall be stainless steel. Hardware to be hot-dipped prior to fabrication shall meet ASTM A 653, Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process, G-185 coating. Hardware to be hot-dipped galvanized after fabrication shall meet ASTM A 123, Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.

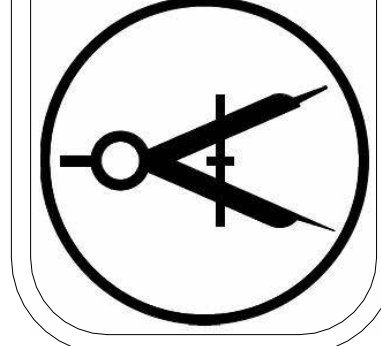
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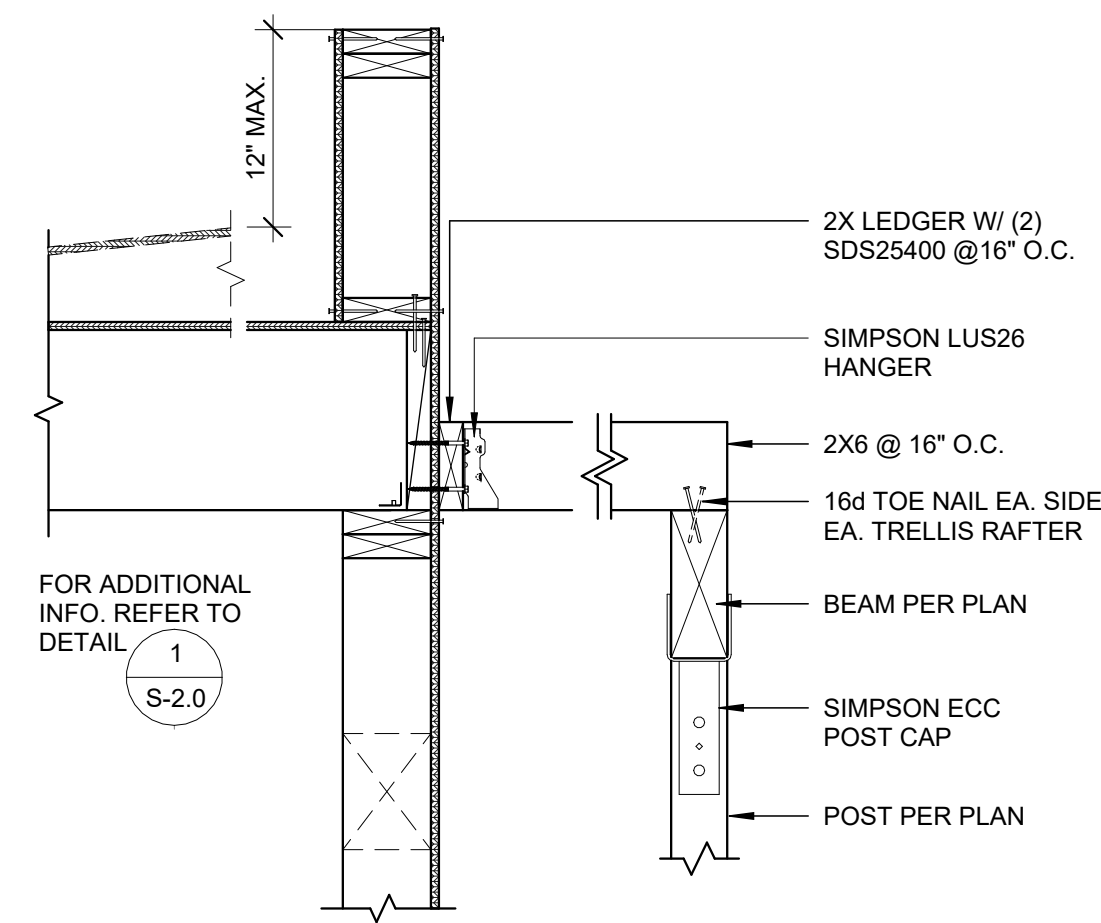


B Roof Framing Plan
1/4" = 1'-0"

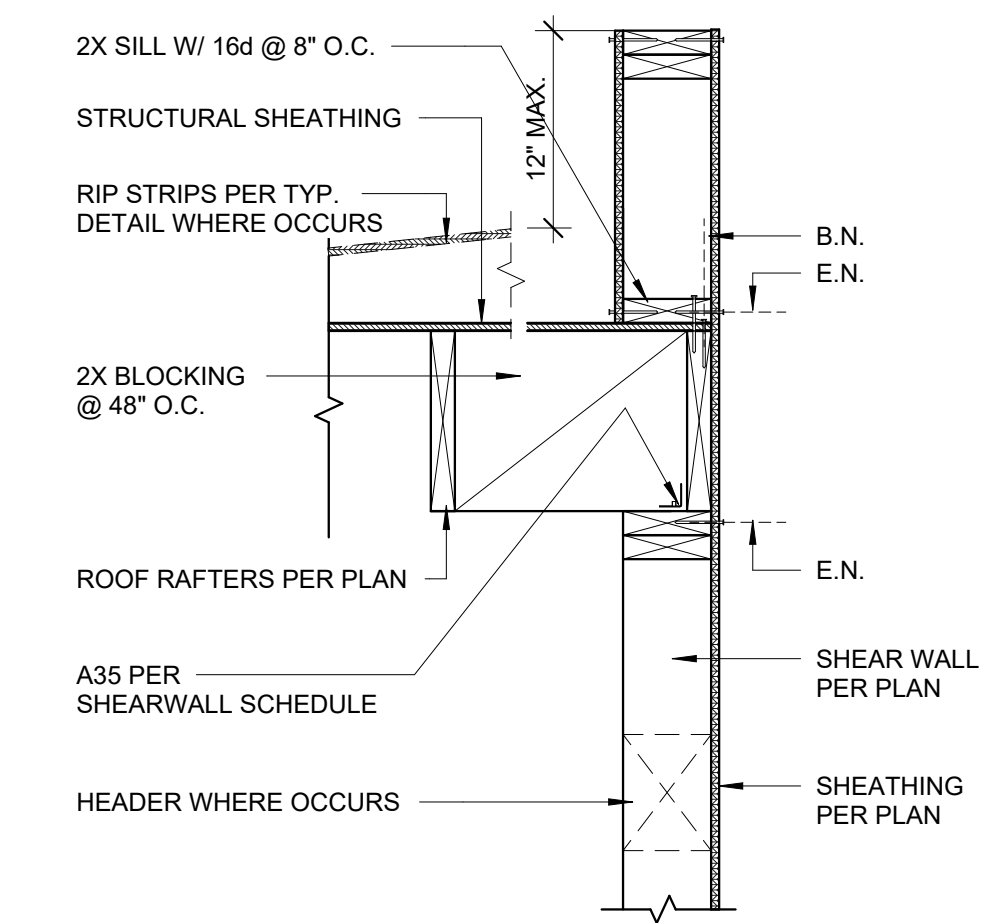


A Foundation Plan
1/4" = 1'-0"

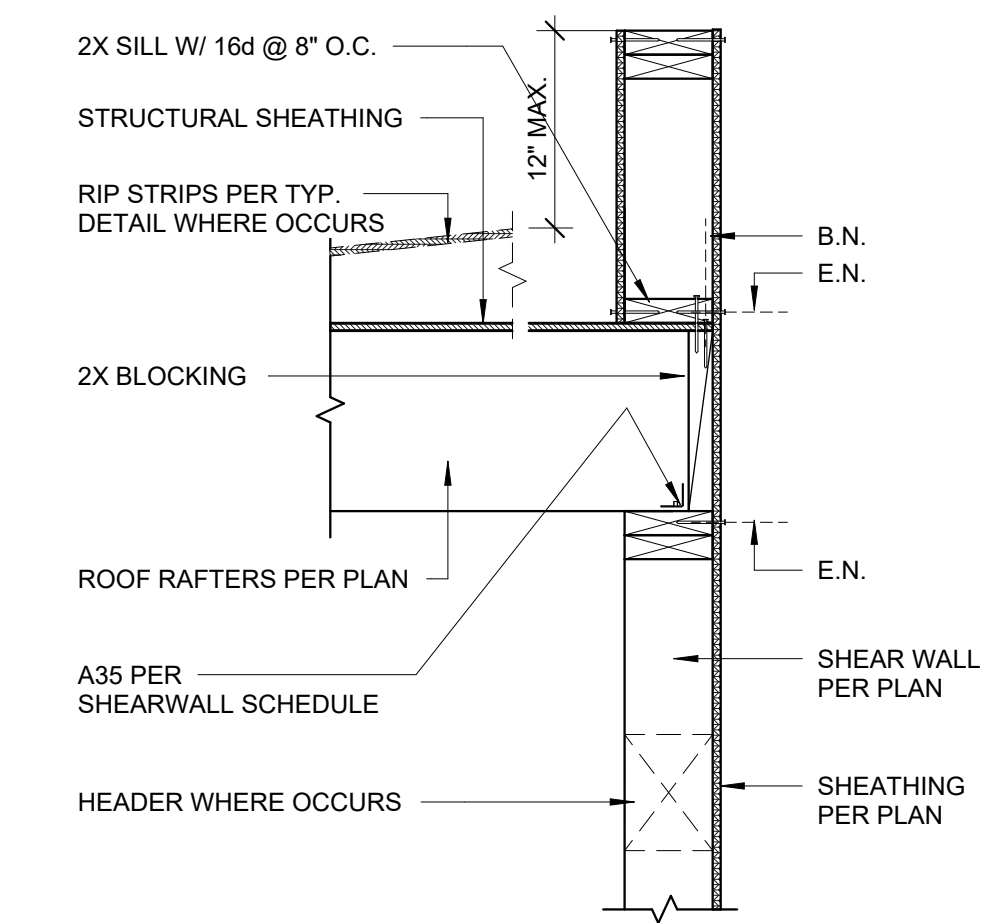




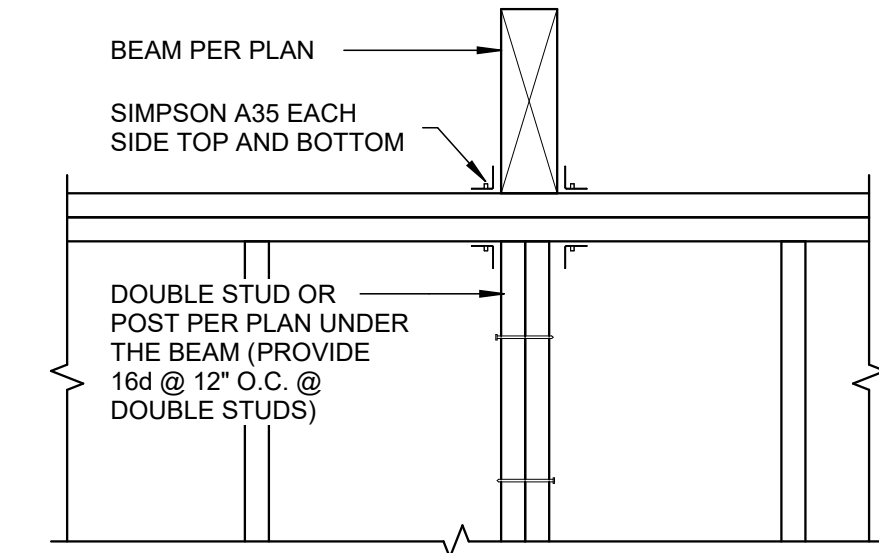
3
S-2.0
Trellis Attachment Detail
1" = 1'-0"



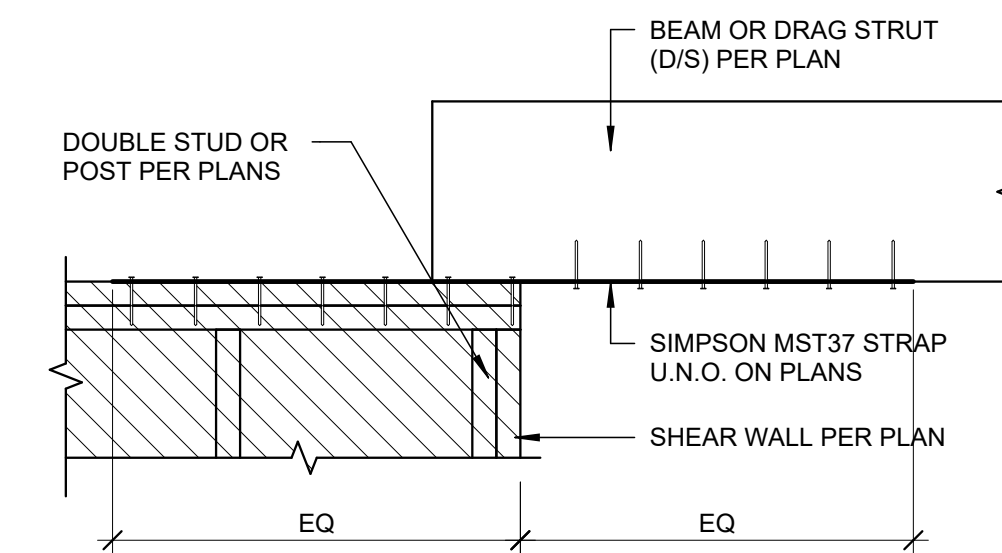
2
S-2.0
Roof Framing Detail (Parallel)
1" = 1'-0"



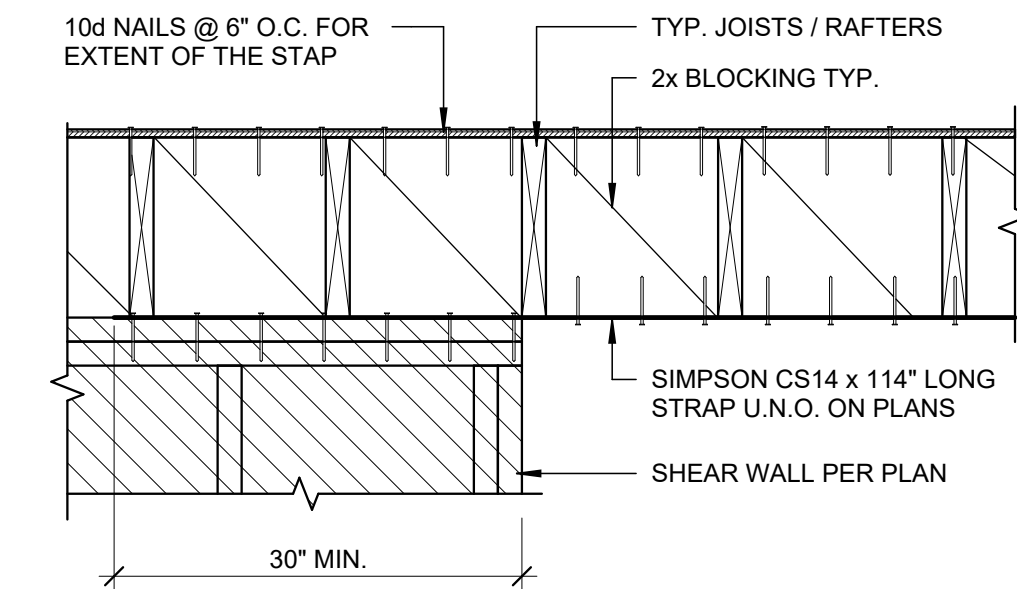
1
S-2.0
Roof Framing Detail (Perpend.)
1" = 1'-0"



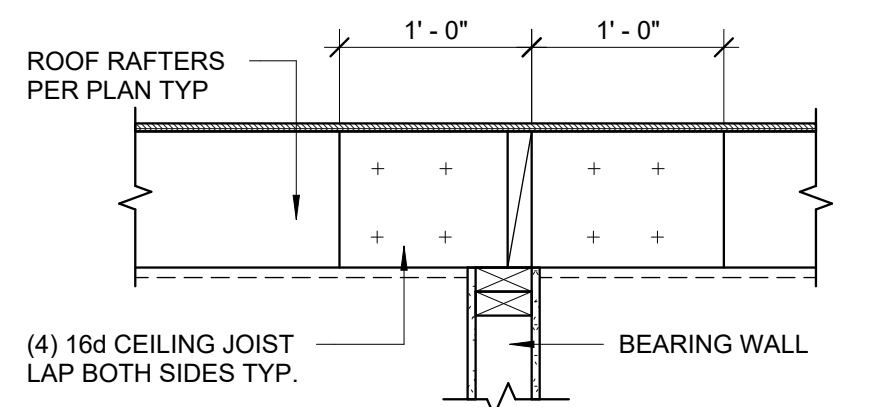
6
S-2.0
Typical Beam to Stud Wall Detail
1" = 1'-0"



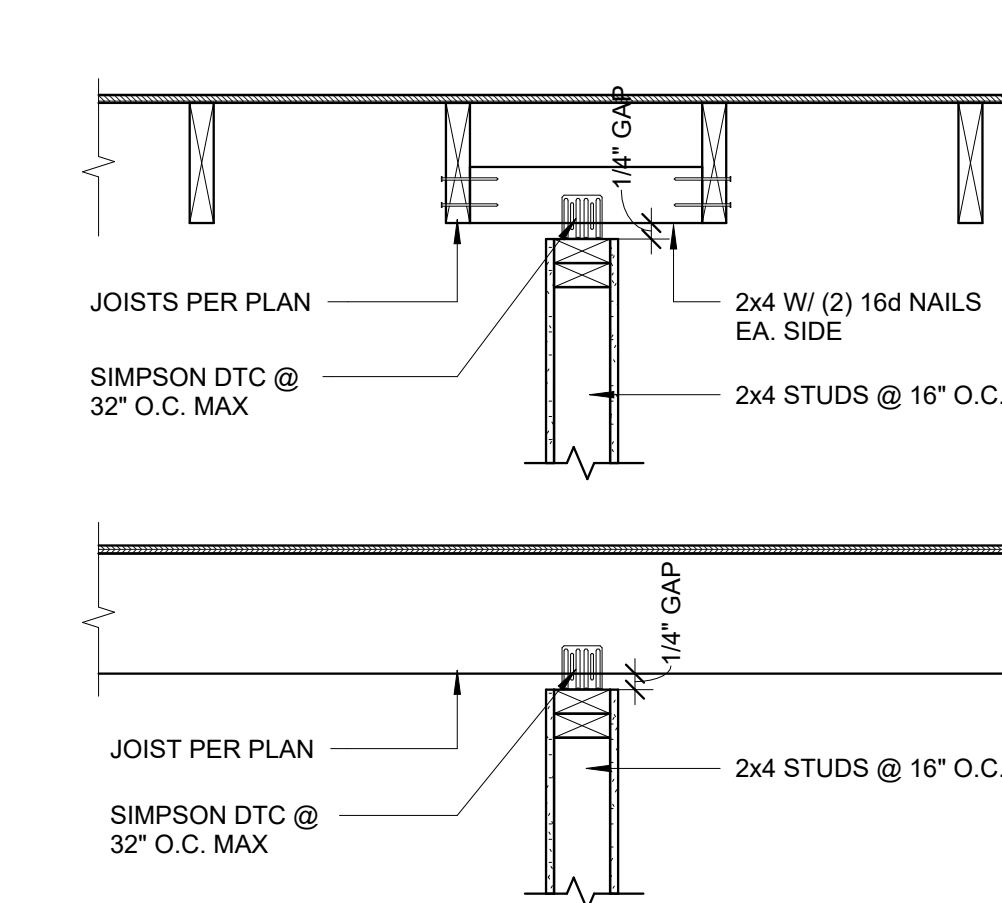
5
S-2.0
Typ. Drag Strut Detail
1" = 1'-0"



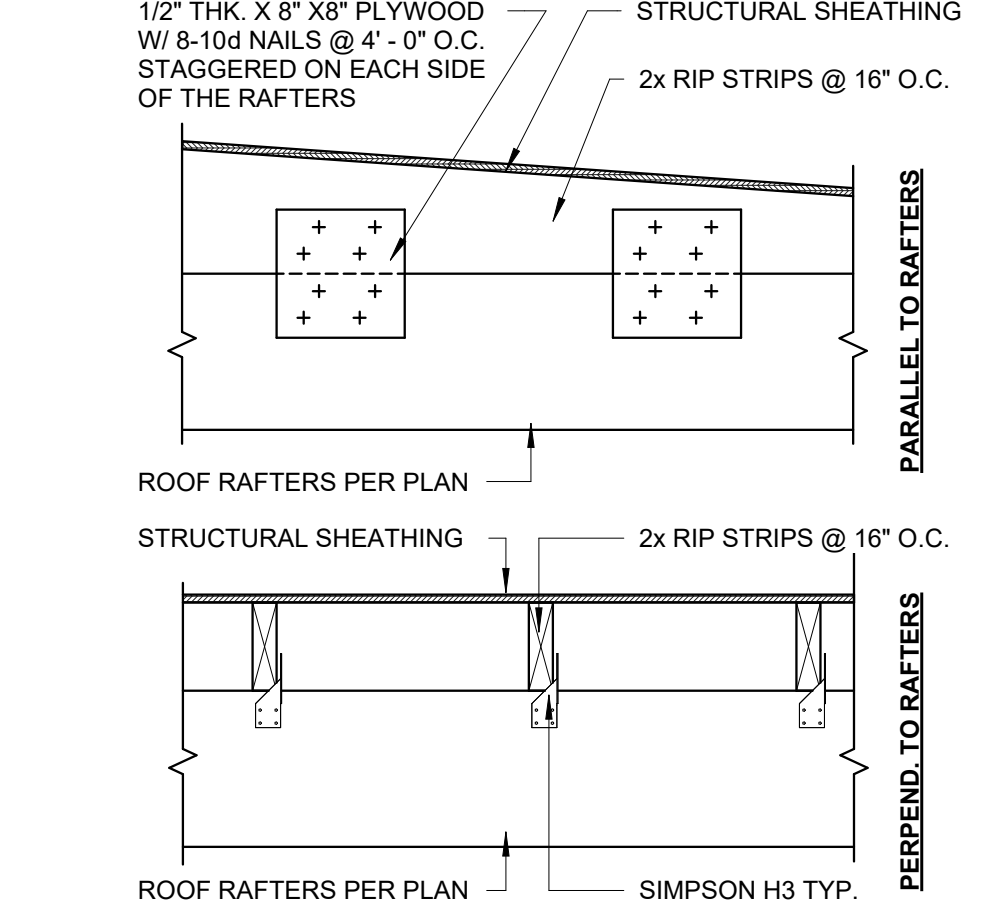
4
S-2.0
Typ. Drag Strut Detail
1" = 1'-0"



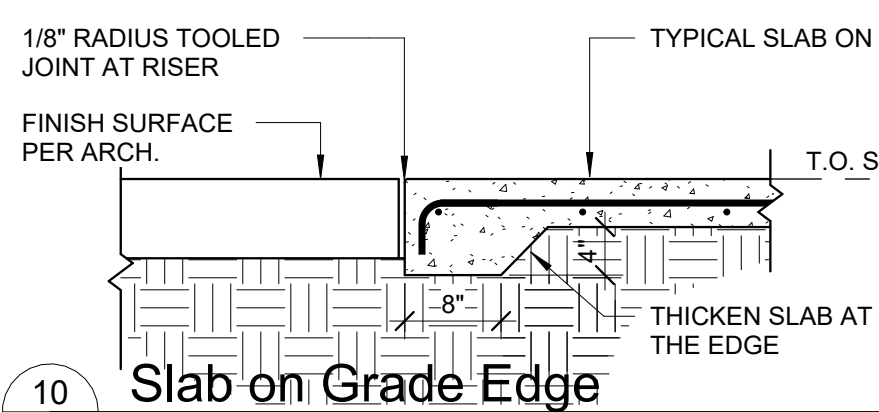
9
S-2.0
Bearing, Non-Shear Wall Detail
1" = 1'-0"



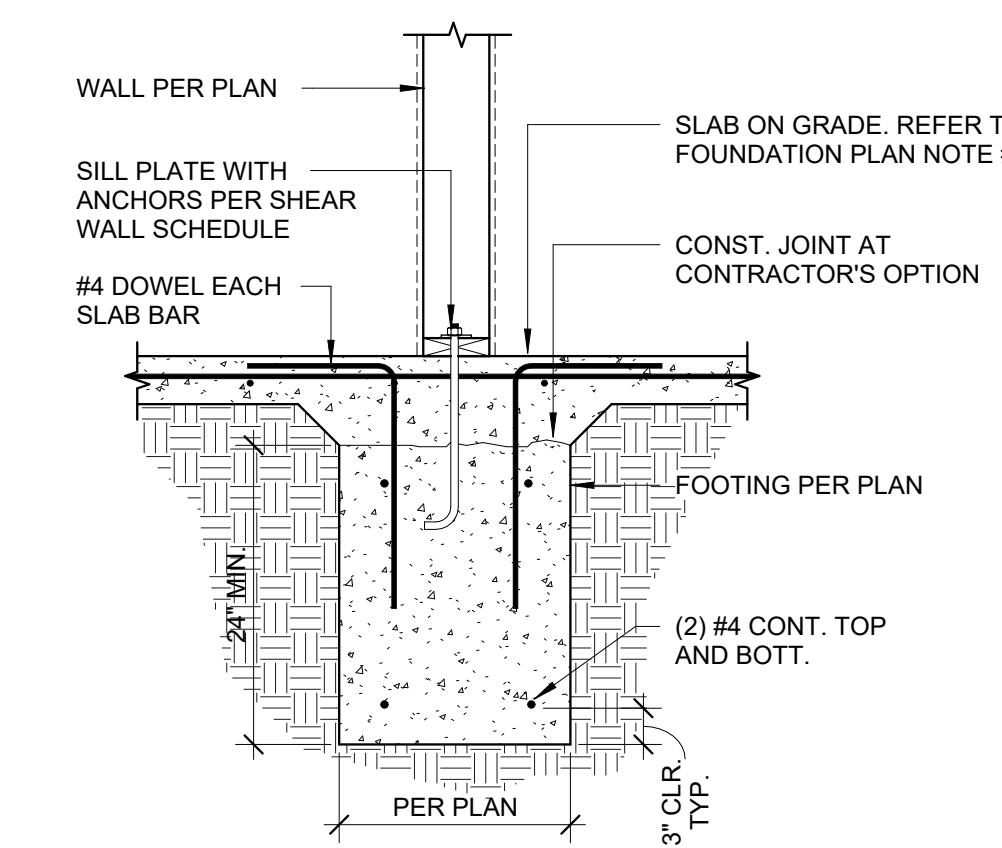
8
S-2.0
Typ. Non-Bearing Partition Wall Detail
1" = 1'-0"



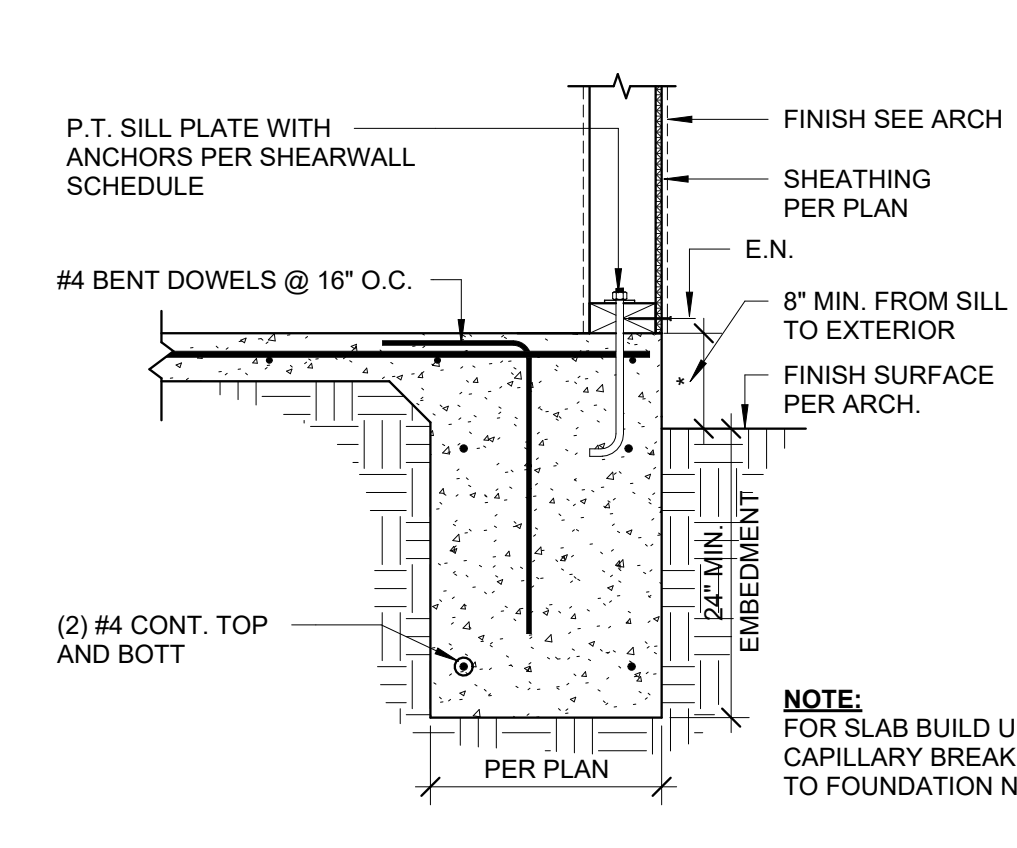
7
S-2.0
Typ. Rip Strips Detail
1" = 1'-0"



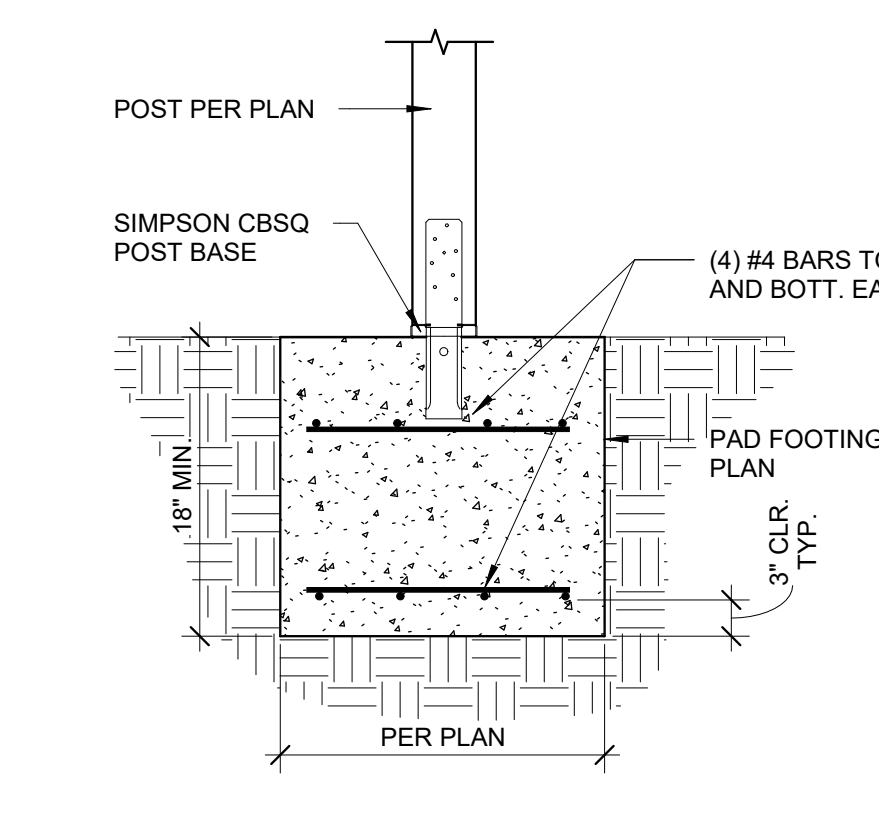
10
S-2.0
Slab on Grade Edge
3/4" = 1'-0"



12
S-2.0
Typical Interior Wall Footing Detail
3/4" = 1'-0"



11
S-2.0
Typical Exterior Wall Footing Detail
3/4" = 1'-0"



13
S-2.0
Pad Footing Detail
3/4" = 1'-0"

Foundation Plan Notes

- Footings are to be founded a minimum of 2' - 0" below adjacent grade.
- Slab on grade to be minimum 4" thick with #4@16" o.c. each way chaired at mid thickness. Slab to be underlain by 10 mil vapor barrier/4" crusher-run base compacted by mechanical means. Vapor barrier to be in conformance with ASTM E1643 and installed per manufacturer's recommendations with care taken to seal seams, penetrations and perimeter edges. See slab detail below.
- Control joints are required for the slab on grade at a maximum spacing of 15' on centers each way. The contractor is required to submit a plan of proposed control joints to the Architect and SAA prior to placing concrete. See Typical Details for additional information.
- Concrete curbs required along some exterior walls. Coordinate with Arch for extent and configuration of curbs. See structural detail sheets for relevant construction information where curbs required.
- Foundation sills shall be naturally durable or preservative-treated wood.
- If adverse soil conditions are encountered, a soils investigation report may be required.

Shear Wall Schedule					
ID	Sheathing	Nailing	Sill Attachment		Capacity (ASD)
			Concrete	Wood	
1	1/2" CDX	10d@6,12	5/8"@32	SDS@16	A35@24 310 pif

Holdown Schedule					
ID	HD	Post	Fasteners	Comments	
(A)	HDU2	4x4	(6) SDS	LARR 25720	
(B)	HDU4	4x4	(10) SDS	LARR 25720	
(C)	HDU5	4x4	(14) SDS	LARR 25720	

Shear Wall Notes

- All exterior walls not otherwise designated as shear wall to be sheathed per item 1 in the Shear Wall Schedule.
- Sill anchors to concrete to be A307 anchor rods with 7" embedment in foundation. If multiple pours used, specified embedment must be contained within top pour. If not, full embedment must be achieved in lower pour level. All sill anchors to have 2-1/2" square x 1/4" plate washers under nuts. Install sill anchors in centerline of sill plate.
- Sill attachment to wood to be with Simpson SDS screws 1/4" with 1-1/2" min embed into subfloor or beams/framing below subfloor [LARR 25711].
- Where sheathing nailing is less than 4" on center or where sheathing is applied to both sides of studs use 3x studs at panel edges or panel joints.
- Sill and sole plates to be 3x minimum thickness. Use pressure treated material where in contact with concrete. See Structural Lumber section of General Notes for additional information.
- Contractor responsible for maintaining copies of referenced Los Angeles Research Report and/or conditions of listing shall be made available at the job site.

Holdown Notes

- Post sizes are minimums. Coordinate with wall framing and post sizes indicated on plans.
- SDS = Simpson SDS25xxx (provide 1-1/2" min embed).
- Hold-down connector bolts into wood framing require approved plate washers. Hold-downs shall be finger tight and 1/2 wrench turn just prior to covering the wall framing. Connector bolts into wood framing require steel plate washers on the post on the opposite side of the anchorage device. Plate size shall be a minimum of 0.299 inch by 3 inches by 3 inches.
- Hold-down hardware must be secured in place prior to foundation inspection.
- Bolts, fasteners and framing hardware in contact with preservative treated lumber to be hot dipped galvanized.

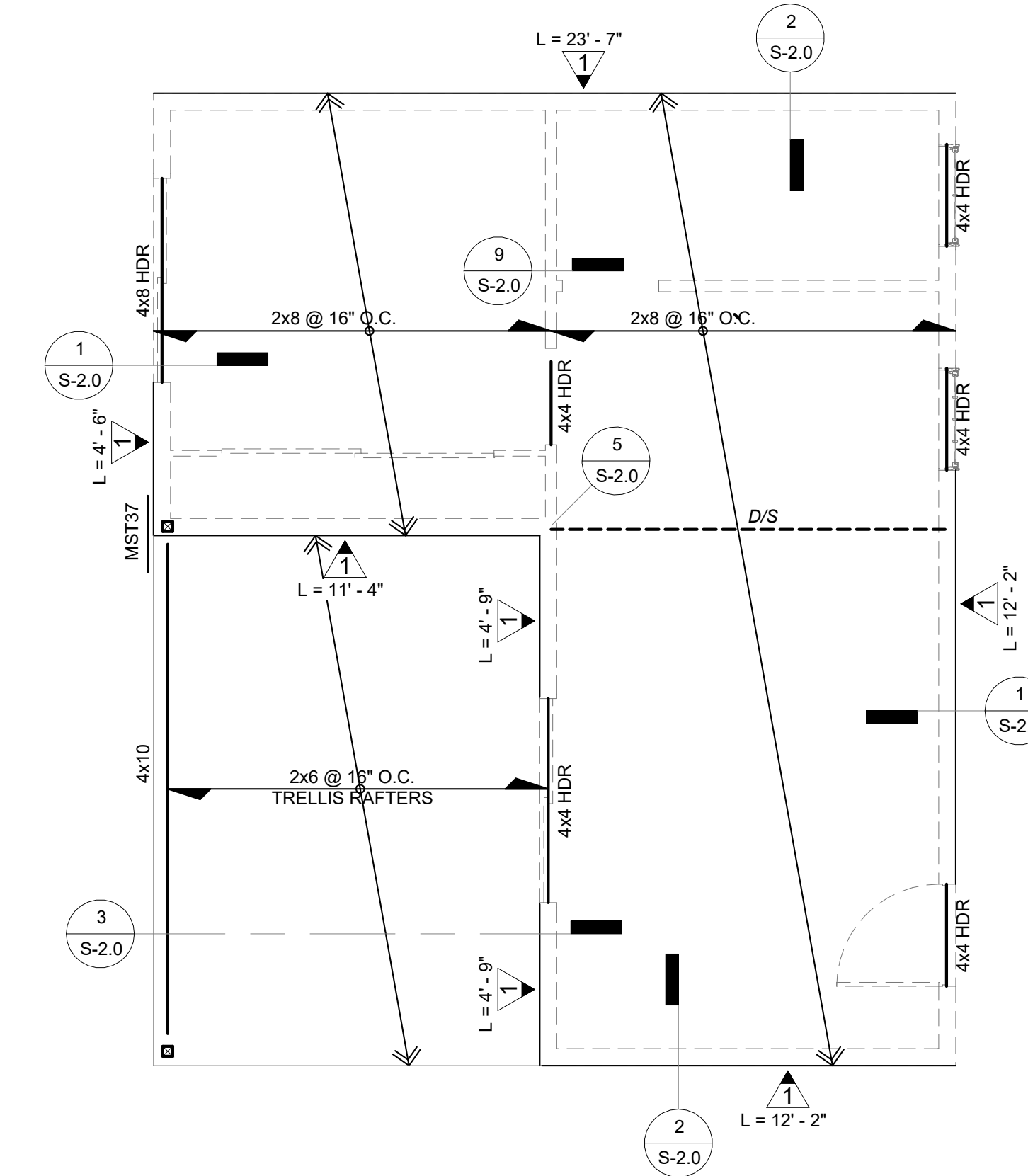
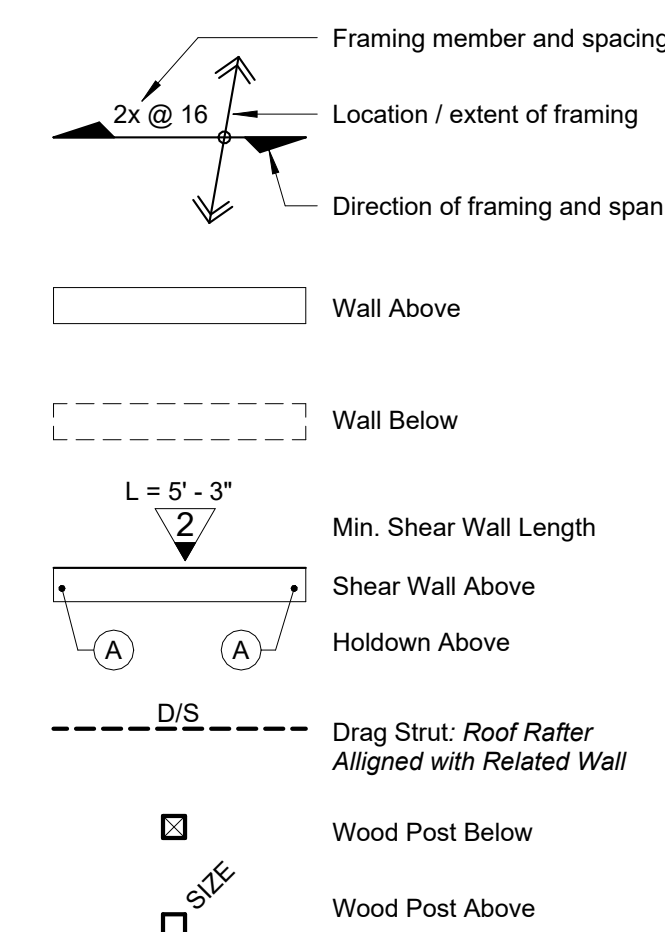
Framing Plan Notes

- Roof sheathing to be 1/2" CD-X (Span Rating 32/16) with face grain perpendicular to framing direction with panel joints staggered. Nail to framing with 10d @ 6, 12.
- Wall framing to be as follows unless noted otherwise:
Exterior walls = 2x4 @16
Interior non-bearing walls = 2x4 @ 16
Plumbing walls = 2x6 @ 16 (or 2x4 @ 16 with furring to avoid cutting structural framing)
- All diaphragm to utilize common nails or galvanized box nails.
- All shearwall nailing shall utilize hot dipped galvanized box nails.
- All bolt holes shall be drilled 1/32" to 1/6" oversized. For lag bolts provide lead hole 40% to 70% of threaded shank diameter and full diameter at smooth shank portion.
- Roof diaphragm nailing to be inspected before covering. Face grain of plywood shall be perpendicular to supports. Floor shall have tongue and groove or blocked panel edges. Plywood spans shall conform with 2304.7

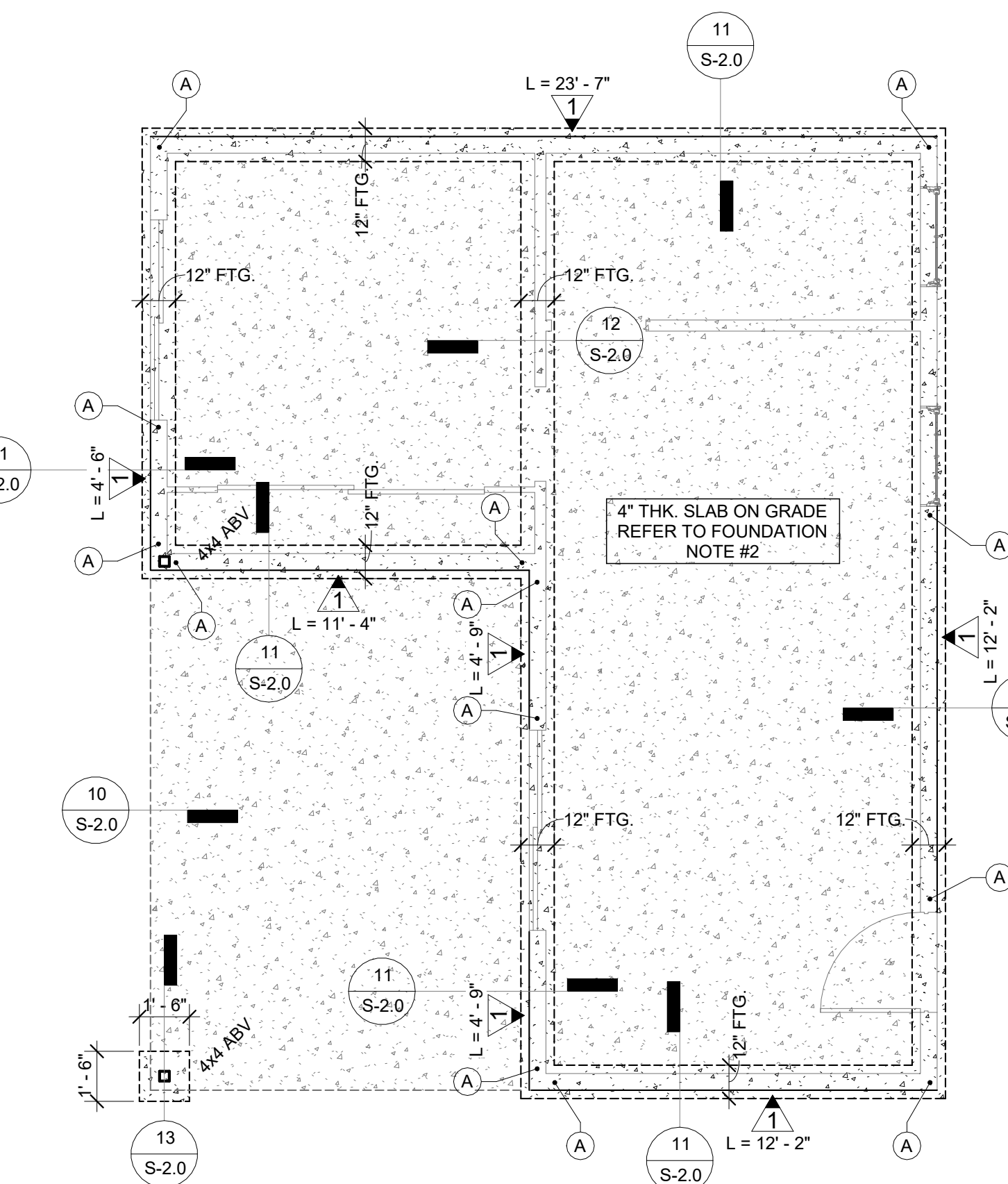
Trellis Notes

- All lumber shall be a naturally durable species (such as Redwood or Western Cedars with 90 percent or more of the width of each side is heartwood), or be preservative treated with an approved process in accordance with American Wood Protection Association standards.
- All screws, bolts, washers, nuts, and nails for use with preservative treated wood shall be hot-dipped zinc-coated galvanized steel, stainless steel, silicon bronze, or copper. Hot-dipped galvanized fasteners shall meet the requirements of ASTM A 153, Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware, Class D for fasteners 3/8" diameter and smaller or Class C for fasteners with diameters over 3/8".
- All connectors (joist hangers, etc.) shall be galvanized or shall be stainless steel. Hardware to be hot-dipped prior to fabrication shall meet ASTM A 653, Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process. G-185 coating. Hardware to be hot-dipped galvanized after fabrication shall meet ASTM A 123, Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.

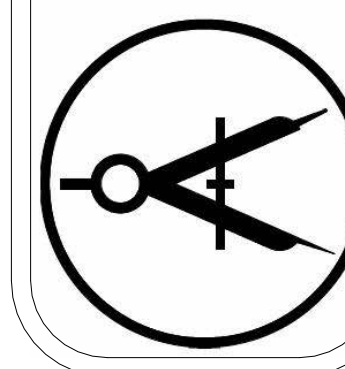
Legend:



B
S-2.0
Roof Framing Plan
1/4" = 1'-0"



A
S-2.0
Foundation Plan
1/4" = 1'-0"



Building Materials Color Board

Project Name: ADU Option 2 (497 S.F.)

Design Style Option 1 (T): Traditional style, Gable roof, Asphalt shingles, Smooth Stucco, Siding combination

- **Exterior Wall Finish:**
 - Material: Smooth stucco, Board and Batten siding
 - Color: White color
 - Manufacturer: LaHabra Exterior Stucco, CertainTeed Board and Batten siding
 - Spec Sheet Reference Links: [Stucco](#), [Siding](#)



- **Roofing:**
 - Material: Asphalt Shingles
 - Color: Graphite
 - Manufacturer: CertainTeed
 - Spec Sheet Reference Links: [Shingles](#)



Design Style Option 1 (S): Spanish Colonial Style, Gable Tile Roof, Smooth Stucco

- **Exterior Wall Finish:**
 - Material: Smooth stucco
 - Color: White color
 - Manufacturer: LaHabra Exterior Stucco
 - Spec Sheet Reference Links: [Stucco](#)



- **Roofing:**
 - Material: Clay Tile
 - Color: Red
 - Manufacturer: Westlake Royal Roofing Solutions
 - Spec Sheet Reference Links: [Clay Tile](#)



Design Style Option 2 (S): Spanish Colonial Style, Flat Roof With Parapet, Smooth Stucco

- **Exterior Wall Finish:**
 - Material: Smooth stucco
 - Color: White color
 - Manufacturer: LaHabra Exterior Stucco
 - Spec Sheet Reference Links: [Stucco](#)



- **Roofing:**
 - Material: Granule Membrane
 - Color: Gray
 - Manufacturer: GAF
 - Spec Sheet Reference Links: [Flat Roof Membrane](#)

















