



CONTEMPORARY



STANDARD

COUNTY OF SANTA CLARA

1200 SF ACCESSORY DWELLING UNIT

PROJECT ADDRESS: _____

USER LICENSE AGREEMENT

OWNER/APPLICANT TO SIGN THIS USER AGREEMENT BELOW:

BY USING THESE PERMIT READY ACCESSORY DWELLING UNIT CONSTRUCTION DOCUMENTS, THE USER AGREES TO RELEASE, HOLD HARMLESS, AND INDEMNIFY THE COUNTY OF SANTA CLARA, ITS ELECTED OFFICIALS AND EMPLOYEES, AND THE ARCHITECT OR ENGINEER WHO PREPARED THESE CONSTRUCTION DOCUMENTS FROM ANY AND ALL CLAIMS, LIABILITIES, SUITS AND DEMANDS ON ACCOUNT OF ANY INJURY, DAMAGE OR LOSS TO PERSONS OR PROPERTY, INCLUDING INJURY OR DEATH, OR ECONOMIC LOSSES, ARISING OUT OF THE USE OF THESE CONSTRUCTION DOCUMENTS.

THE PLANS ATTACHED HERE ARE APPROVED FOR ONLY USE IN COUNTY OF SANTA CLARA. NO DEVIATIONS, ALTERATIONS, OR OPTIONS BEYOND THOSE SPECIFICALLY INDICATED IN THE PLANS ARE ALLOWED WITHOUT PRIOR APPROVAL BY THE ISSUING JURISDICTION AND CHIEF BUILDING OFFICIAL. THIS SET OF PLANS SHALL NOT BE USED FOR A PUBLIC HOUSING PROJECT.

SIGNATURE _____ DATE _____

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THE COUNTY OF SANTA CLARA

70 West Hedding Street
East Wing, 7th Floor
San Jose, California 95110
408.299.5700

<https://www.santacruzcounty.gov>

PROJECT DIRECTORY (Complete this section)

APPLICANT

NAME: _____

ADDRESS: _____

EMAIL: _____

PHONE: _____

ENERGY CONSULTANT

COMPANY NAME: _____

NAME: _____

ADDRESS: _____

EMAIL: _____

PHONE: _____

VICINITY MAP (To be provided by applicant)

DEFERRED SUBMITTALS

- PHOTOVOLTAIC SYSTEM, WHEN REQUIRED
- FIRE SPRINKLERS, WHEN REQUIRED
- ROOF TRUSSES

ADDITIONAL SUBMITTALS

- SIGNED AND STAMPED DEVELOPMENT IMPACT FEE FORM (AKA SCHOOL FEE FORM AND FIRE FEE FORM)
- FIRE HYDRANT SPECIFICATIONS
- WATER PURVEYOR WATER PRESSURE TEST LETTER

APPLICABLE CODES

THIS PROJECT SHALL COMPLY WITH THE FOLLOWING BUILDING CODES AND ASSOCIATED COUNTY OF SANTA CLARA AMENDMENTS:

- 2022 CALIFORNIA RESIDENTIAL CODE
- 2022 CALIFORNIA BUILDING CODE
- 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE
- 2022 CALIFORNIA ELECTRICAL CODE
- 2022 CALIFORNIA MECHANICAL CODE
- 2022 CALIFORNIA PLUMBING CODE
- 2022 CALIFORNIA FIRE CODE
- 2022 CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS
- COUNTY OF SANTA CLARA CODE OF ORDINANCES

STYLE & MATERIAL OPTION SELECTIONS

ROOF MATERIAL:

- ASPHALT SHINGLE ROOF - CLASS C MIN. (CRC R905.1, CRC R905.2)
- STANDING SEAM METAL ROOF - CLASS C MIN. (CRC R905.1, CRC R905.10)

EXTERIOR WALL MATERIAL

- VERTICAL WOOD SIDING (CRC R703.5.1)
- HORIZONTAL WOOD LAP SIDING (CRC R703.5.3)
- CEMENT PLASTER (CRC R703.7.2)
- FIBER CEMENT PANEL SIDING (CRC R703.10.1)
- FIBER CEMENT LAP SIDING (CRC R703.10.2)
- OTHER: _____

EXTERIOR SOFFITS, RAKES, & EAVE MATERIAL

- CEMENT PLASTER
- EXT. GRADE TONGUE & GROOVE
- FIBER CEMENT
- EXT. GRADE PLYWOOD

EXTERIOR TRIM ELEMENTS

- NO TRIM
- FIBER CEMENT
- WOOD

PROJECT INFORMATION (Complete this section)

PROJECT SCOPE:

CONSTRUCTION OF A NEW DETACHED 1-STORY 1200 SF ACCESSORY DWELLING UNIT WITH 3 BEDROOMS AND 2 BATHS

SITE INFORMATION

ASSESSOR'S PARCEL NUMBER: _____

ZONING: _____

LOT SIZE: _____

LAND USE: _____

LOT COVERAGE

EXISTING _____ NEW _____

PRIMARY DWELLING SIZE

CONDITIONED AREA: _____

GARAGE AREA: _____

COVERED PORCH / DECK AREA: _____

PROPOSED ADU SIZE: _____ 1200 GSF

HARDSCAPE/PAVING (IMPERVIOUS): _____

LANDSCAPE (PERVIOUS): _____

SETBACKS

FRONT: _____ REQUIRED MINIMUM* _____ PROPOSED _____

REAR: _____ 4'-0"

SIDE 1: _____ 4'-0"

SIDE 2: _____ 4'-0"

BETWEEN STRUCTURES: _____ 6'-0"

*REQUIRED FRONT SETBACK FOR AN ADU IS THE SAME AS THE FRONT SETBACK REQUIRED FOR THE SINGLE FAMILY RESIDENCE AND VARIES BASED ON ZONING OF THE PROPERTY. REFER TO ZONING ORDINANCE TABLE 2-20-3 (RURAL) AND TABLE 2-30-2 (URBAN) FOR FRONT SETBACKS APPLICABLE TO SFR AND ADUS

PROJECT INFORMATION (Complete this section)

IS THE ADU EXTERIOR WALL 5'-0" OR LESS TO ANY PROPERTY LINE AND/OR IS THE ADU EXTERIOR WALL 10'-0" OR LESS FROM ANY ADJACENT BUILDING OR STRUCTURE?

- NO
- YES; IF YES, FIRE RATED EXTERIOR WALLS REQUIRED

ARE THE ADU CORNICES, EAVE OVERHANGS, AND SIMILAR PROJECTIONS 5'-0" OR LESS TO ANY PROPERTY LINE AND/OR IS THE ADU EXTERIOR WALL 10'-0" OR LESS FROM ANY ADJACENT BUILDING OR STRUCTURE?

- NO
- YES; IF YES, FIRE RATED PROJECTIONS REQUIRED. FIREBLOCKING IS REQUIRED IN PROJECTIONS, RAKES AND EAVES.

BUILDING INFORMATION

NUMBER OF STORIES: _____ 1

OCCUPANCY GROUP: _____ R-3

CONSTRUCTION TYPE: _____ VB

IS PRIMARY DWELLING UNIT SPRINKLED? _____

MAX HEIGHT ALLOWED: _____ 16'-0"

MAX HEIGHT PROPOSED: _____

NO. DATE REVISIONS

NO.	DATE	REVISIONS

PROJECT TITLE:

**SCC STANDARD
ADU - 1200 SF**

Enter address here

COUNTY PERMIT # _____ DEV2X-XXXX

DATE: _____ Issue Date

SHEET TITLE:

COVER SHEET

SCALE: 12" = 1'-0"

G.0



THE COUNTY OF SANTA CLARA

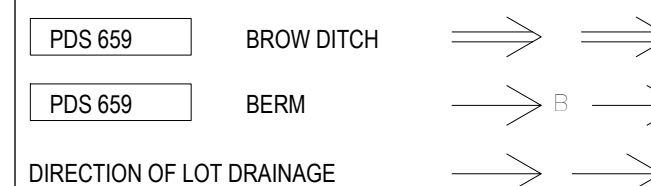
70 West Hedding Street
East Wing, 7th Floor
San Jose, California 95110
408.299.5700

<https://www.santacruzcounty.gov>

LIMITATIONS OF USE

By using these standard plans, the user agrees to release the County of Santa Clara from any and all claims, liabilities, suits, and demands on account of any injury, damage, or loss to persons or property, including injury or death, or economic losses, arising out of the use of these construction documents. The use of these plans does not eliminate or reduce the user's responsibility to verify any and all information.

BEST MANAGEMENT PRACTICE (BMP) LEGEND

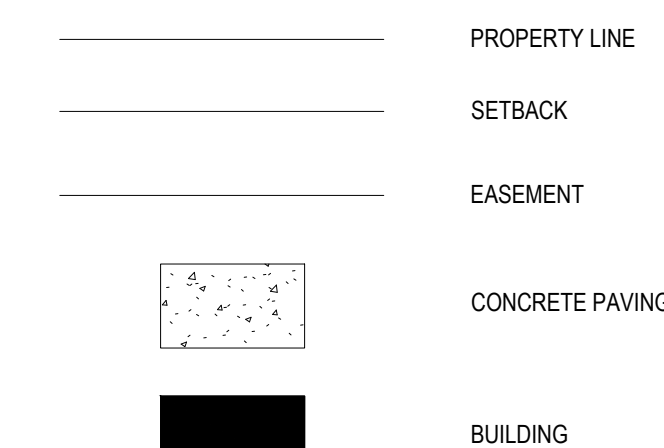


- MATERIALS & WASTE MANAGEMENT BMPs:**
- WM-1 MATERIAL DELIVERY & STORAGE
 - WM-4 SPILL PREVENTION AND CONTROL
 - WM-8 CONCRETE WASTE MANAGEMENT
 - WM-5 SOLID WASTE MANAGEMENT
 - WM-9 SANITARY WASTE MANAGEMENT
 - WM-6 HAZARDOUS WASTE MANAGEMENT

TEMPORARY RUNOFF CONTROL BMPs:

- SS-2 PRESERVATION OF EXISTING VEGETATION
- SS-3 BONDED OR STABILIZED FIBER MATRIX (WINTER)
- SS-4 HYDROSEEDING (SUMMER)
- SS-6 / SS-8 STRAW OR WOOD MULCH
- SS-7 PHYSICAL STABILIZATION (WINTER)
- SS-10 ENERGY DISSIPATOR
- SC-1 SILT FENCE
- SC-2 / PDS 659 SEDIMENT / DESILTING BASIN
- SC-5 FIBER ROLLS
- SC-6 / SC-8 GRAVEL OR SAND BAGS
- SC-7 STREET SWEEPING AND VACUUMING
- SC-10 STORM DRAIN INLET PROTECTION
- NS-2 DEWATERING FILTRATION
- TC-1 STABILIZED CONSTRUCTION ENTRANCE
- TC-2 CONSTRUCTION ROAD STABILIZATION
- TC-3 ENTRANCE / EXIT TIRE WASH

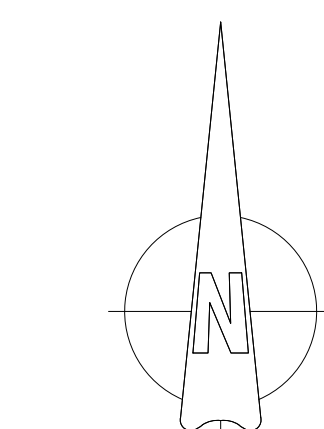
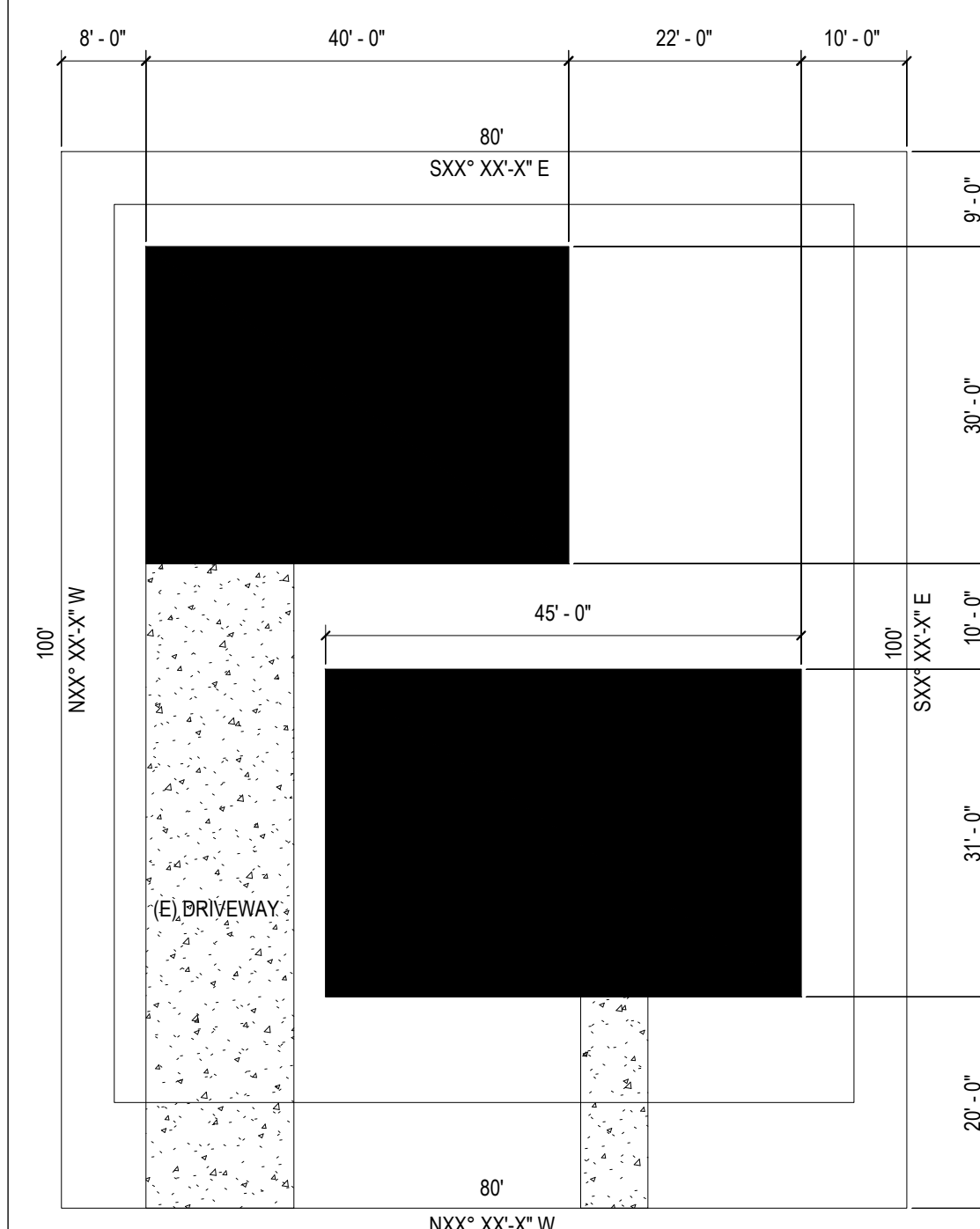
SITE PLAN LEGEND



LANDSCAPE INFORMATION

PROPOSED PLANTED AREA (SF): _____

EXAMPLE SITE PLAN



ENGINEERING SCALE: 1" = _____

BASELINE BMPs FOR EXISTING AND PROPOSED SITE FEATURES

- SD-B DIRECT RUNOFF TO PERVIOUS AREAS
- SD-C INSTALL GREEN ROOF
- SD-E INSTALL RAIN BARRELS
- SD-G CONSERVE NATURAL FEATURES
- SD-H PROVIDE BUFFERS AROUND WATER BODIES
- SD-I CONSTRUCT SURFACES FROM PERMEABLE MATERIALS
- SD-K SUSTAINABLE LANDSCAPING

BASELINE BMPs FOR POLLUTANT-GENERATING SOURCES

- SC-A OVERHEAD COVERING
- SC-B SEPARATION OF FLOWS FROM ADJACENT AREAS
- SC-C WIND PROTECTION
- SC-D SANITARY SEWER
- SC-E CONTAINMENT SYSTEM

POTENTIAL RUNOFF POLLUTANTS:

- A TRASH & REFUSE STORAGE
- B MATERIALS & EQUIPMENT STORAGE
- C LOADING & UNLOADING
- D FUELING
- E MAINTENANCE & REPAIR
- F VEHICLE & EQUIPMENT CLEANING
- G OTHER

SITE PLAN CHECKLIST THE APPLICANT SHALL PROVIDE A DIMENSIONED AND SCALED SITE PLAN SHOWING THE BELOW INFORMATION. THIS CHECKLIST IS PROVIDED TO HELP GUIDE APPLICANTS THROUGH THE PREPARATION OF A PROPERTY SITE PLAN.

- FOOTPRINT OF ALL EXISTING AND PROPOSED BUILDINGS**
PLOT THE PROPOSED ADU BUILDING FOOTPRINT ALONG WITH ANY OTHER LEGALLY EXISTING BUILDINGS ONSITE. THIS INCLUDES ALL STRUCTURES / PORCHES / GAZEBOS. IF AN OPTIONAL COVERED PATIO IS SELECTED, PLEASE PLOT THAT AS WELL. LABEL EXISTING BUILDINGS TO BE DEMOLISHED.
- AREA OF EXISTING BUILDING**
INDICATE THE SQUARE FOOTAGE OF THE EXISTING HOUSE.
- DRAWING SCALE**
SITE PLAN SHOULD BE DRAWN TO A MEASURABLE SCALE.
- PROPERTY LINES**
SHOW OUTLINE OF PROPERTY USING DASHED LINE IN LEGEND. INDICATE THE BEARING AND LENGTH OF THE PROPERTY LINE.
- LABEL YARDS**
LABEL FRONT, REAR, SIDE YARDS, AS WELL AS DRIVEWAYS, PATHWAYS AND ANY OTHER HARDSCAPE. SHOW DIRECTION ARROWS INDICATING DRAINAGE ON PROPERTY, SLOPING AWAY FROM BUILDING.
- SETBACKS**
DIMENSION THE DISTANCE BETWEEN BUILDINGS AND PROPERTY LINES, AS WELL AS BUILDINGS TO OTHER STRUCTURES. ADU SETBACKS TO SIDE AND REAR PROPERTY SIDE SHALL BE A MINIMUM OF (4'-0").
- EASEMENTS**
REFER TO LEGEND. MUST INCLUDE ALL APPLICABLE EASEMENTS. PROPOSED STRUCTURE SHALL COMPLY WITH EASEMENT REQUIREMENTS.
- LOCATION OF RAIN WATER LEADERS**
THE ROOF DRAINS SHOULD DRAIN AWAY FROM THE PROPERTY LINES AND INTO THE LANDSCAPE AREA.
- LABEL STREETS & SIDEWALKS**
- DIMENSION BUILDING SEPARATION**
DIMENSION THE DISTANCE BETWEEN THE PROPOSED ADU AND ANY EXISTING STRUCTURES
- LOT COVERAGE CALCULATION**
TOTAL FOOTPRINT AREA FOR STRUCTURES ON SITE / LOT AREA
- SWIMMING POOLS**
ALL EXISTING SWIMMING POOLS SHALL BE SHOWN ON THE SITE PLAN AND SHALL HAVE 10' MINIMUM SETBACK TO THE NEW ADU STRUCTURE.
- LOCATION OF EXISTING UTILITIES**
UTILITIES, POLES, SEWER, DRAINS, ELECTRICAL, GAS METERS, FIRE HYDRANT AND TYPE OF HYDRANT, AND LINES AND ANY PHOTOVOLTAIC.

PERVIOUS AREA INFORMATION

PERVIOUS SURFACE AREA TABLE				
SITE ID	PERVIOUS ITEM	DIMENSIONS	AREA (SF)	NOTES

PERVIOUS ELEMENT MANUFACTURER: _____
PERVIOUS ELEMENT SLOPE AND DIRECTION OF SLOPE: _____
PERVIOUS ELEMENT CROSS SECTION LOCATED ON SHEET: _____

CONSTRUCTED PERVIOUS SURFACES SHALL NOT BE SEALED.

IMPERVIOUS AREA INFORMATION

IMPERVIOUS SURFACE AREA TABLE					
SITE ID	IMPERVIOUS ITEM	DIMENSIONS	NEW or REPLACED AREA (SF)	EXISTING AREA (SF) TO REMAIN	EXISTING AREA (SF) REMOVED
1	PROPOSED ADU	40'-0" x 30'-0"	1200		
2					
3	POST 2009 IMPERVIOUS AREA			XXX	
4	PRE 2009 IMPERVIOUS AREA			AAA	BBB
TOTAL (SF)					
NET NEW (INCREASED) SINCE 2009				1200 SF + XXX - BBB	

LAND DISTURBANCE: _____ SF

NO. DATE REVISIONS

NO.	DATE	REVISIONS

PROJECT TITLE:

SCC STANDARD ADU - 1200 SF

Enter address here

COUNTY PERMIT # _____ DEV2X-XXXX

DATE: _____ Issue Date

SHEET TITLE:

SITE PLAN

SCALE: As indicated

G.1



COUNTY OF SANTA CLARA
2022 CALGREEN RESIDENTIAL CHECKLIST (MANDATORY)

County Amendments to CALGreen are in Italics.
- Designer to cross out items that are not applicable to the project.
- Installer or designer shall verify all applicable requirements have been satisfied and sign and date each row. County Inspectors will verify completion signatures and supporting documentation DURING CONSTRUCTION.

Table with columns: ITEM #, CALGreen CODE SECTION, REQUIREMENT, APPLICANT TO COMPLETE (REFERENCE SHEET, Note or Detail No., Date), Installer or Designer Verification (Installer or Designer Signature).

TABLE 4.504.1 ADHESIVE VOC LIMITS^{1,2} Less Water and Less Exempt Compounds in Grams per Liter

Table with columns: ARCHITECTURAL APPLICATIONS, VOC LIMIT, SPECIALTY APPLICATIONS, VOC LIMIT.

1. If an adhesive is used to bond dissimilar substrates together, the adhesive with the highest VOC content shall be allowed.
2. For additional information regarding methods to measure the VOC content specified in this table, see South Coast Air Quality Management District Rule 1168.

TABLE 4.504.2 SEALANT VOC LIMIT Less Water and Less Exempt Compounds in Grams per Liter

Table with columns: SEALANTS, VOC LIMIT, SEALANT PRIMERS, VOC LIMIT.

TABLE 4.504.3 VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS² Less Water and Less Exempt Compounds

Table with columns: COATING CATEGORY, VOC LIMIT, SPECIALTY COATINGS, VOC LIMIT.

1. Grams of VOC per liter of coating, including water and including exempt compounds.
2. The specified limits remain in effect unless revised limits are listed in subsequent columns in the table.
3. Values in this table are derived from those specified by the California Air Resources Board, Architectural Coatings Suggested Control Measure, February 1, 2008. More information is available from the Air Resources Board.

Table with columns: ITEM #, CALGreen CODE SECTION, REQUIREMENT, APPLICANT TO COMPLETE (REFERENCE SHEET, Note or Detail No., Date), Installer or Designer Verification (Installer or Designer Signature).

Construction Waste Management (CWM) Plan

Fill out the form including diversion rate and facility names and addresses

Project Name: _____ Job #: _____ Project Manager: _____ Waste Hauling Company: _____ Contact Name: _____ Legend: _____ Hauling Company _____ Sorting Facility Name and Location _____ Disposal Service Company _____

All Subcontractors shall comply with the project's Construction Waste Management Plan. All Subcontractor foremen shall sign the CWM Plan Acknowledgment Sheet.

Subcontractors who fail to comply with the Waste Management Plan will be subject to backcharges or withholding of payment, as deemed appropriate. For instance, Subcontractors who contaminate debris boxes that have been designated for a single material type will be subject to backcharge or withheld payment, as deemed appropriate.

- 1. The project's overall rate of waste diversion will be ____%.
2. This project shall generate the least amount of waste possible by planning and ordering carefully, following all proper storage and handling procedures to reduce broken and damaged materials and reusing materials whenever possible. The majority of the waste that is generated on this jobsite will be diverted from the landfill and recycled for other use.
3. Spreadsheet 1, enclosed, identifies the waste materials that will be generated on this project, the diversion strategy for each waste type and the anticipated diversion rate.
4. Waste prevention and recycling activities will be discussed at the beginning of weekly subcontractor meetings. As each new subcontractor comes on-site, the WMP Coordinator will present him/her with a copy of the CWM Plan and provide a tour of the jobsite to identify materials to be salvaged and the procedures for handling jobsite debris. All Subcontractor foremen will acknowledge in writing that they have read and will abide by the CWM Plan. Subcontractor Acknowledgment Sheet enclosed. The CWM Plan will be posted at the jobsite trailer.
5. Salvage: Excess materials that cannot be used in the project, nor returned to the vendor, will be offered to site workers, the owner, or donated to charity if feasible.
6. _____ will provide a commingled drop box at the jobsite for most of the construction waste. These commingled drop boxes will be taken to _____ for commingled waste will be ____%. As site conditions permit, additional drop boxes will be used for particular phases of construction (e.g., concrete and wood waste) to ensure the highest waste diversion rate possible.
7. In the event that the waste diversion rate achievable via the strategy described in (6) above, is projected to be lower than what is required, then a strategy of source-separated waste diversion and/or waste stream reduction will be implemented. Source separated waste refers to jobsite waste that is not commingled but is instead allocated to a debris box designated for a single material type, such as clean wood or metal.

- Notes:
1. Waste stream reduction refers to efforts taken by the builder to reduce the amount of waste generated by the project to below four (4) pounds per square foot of building area.
2. When using waste stream reduction measures, the gross weight of the product is subtracted from a base weight of four (4) pounds per square foot of building area. This reduction is considered additional diversion and can be used in the waste reduction percentage calculations.
3. _____ will track and calculate the quantity (in tons) of all waste leaving the project and calculate the waste diversion rate for the project. _____ will provide Project Manager with an updated monthly report on gross weight hauled and the waste diversion rate being achieved on the project. _____ monthly report will track separately the gross weights and diversion rates for commingled debris and for each source-separated waste stream leaving the project. In the event that _____ does not service any or all of the debris boxes on the project, the _____ will work with the responsible parties to track the material type and weight (in tons) in such debris boxes in order to determine waste diversion rates for these materials.
4. In the event that Subcontractors furnish their own debris boxes as part of their scope of work, such Subcontractors shall not be excluded from complying with the CWM Plan and will provide _____ weight and waste diversion data for their debris boxes.
5. In the event that site use constraints (such as limited space) restrict the number of debris boxes that can be used for collection of designated waste the project Superintendent will, as deemed appropriate, allocate specific areas onsite where individual material types are to be consolidated. These collection points are not to be contaminated with non-designated waste types.
6. Debris from jobsite office and meeting rooms will be collected by _____ will, at a minimum, recycle office paper, plastic, metal and cardboard.

Construction Waste Management (CWM) Worksheet

Project Name: _____ Job Number: _____ Project Manager: _____ Waste Hauling Company: _____ Construction Waste Management (CWM) Plan
WASTE MATERIAL TYPE, DIVERSION METHOD: COMMINGLED AND SORTED OFF SITE, SOURCE SEPARATED ON SITE, PROJECTED DIVERSION RATE.

TABLE 4.504.5 FORMALDEHYDE LIMITS¹ Maximum Formaldehyde Emissions in Parts per Million

Table with columns: PRODUCT, CURRENT LIMIT.

1. Values in this table are derived from those specified by the California Air Resources Board, Air Toxics Control Measure for Composite Wood as tested in accordance with ASTM E1333. For additional information, see California Code of Regulations, Title 17, Sections 93120 through 93120.12.
2. This medium density fiberboard has a maximum thickness of 7/16 inch (8 mm).

Table with columns: ITEM #, CALGreen CODE SECTION, REQUIREMENT, APPLICANT TO COMPLETE (REFERENCE SHEET, Note or Detail No., Date), Installer or Designer Verification (Installer or Designer Signature).

Construction Waste Management (CWM) Acknowledgment

Note: This sample form may be used to assist in documenting compliance with the waste management plan.

Project Name: _____ Job Number: _____ Project Manager: _____ Waste Hauling Company: _____ CWM Plan Acknowledgment
The Foreman for each new Subcontractor that comes on site is to receive a copy of the Construction Waste Management Plan and complete this Acknowledgment Form.
I have read the Waste Management Plan for the project; I understand the goals of this plan and agree to follow the procedures described in this plan.
DATE, SUBCONTRACTOR COMPANY NAME, FOREMAN NAME, SIGNATURE.



THE COUNTY OF SANTA CLARA

70 West Hedding Street
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San Jose, California 95110
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https://www.santacruzcounty.gov

NO. DATE REVISIONS

PROJECT TITLE:

SCC STANDARD
ADU - 1200 SF

Enter address here

COUNTY PERMIT # DEV2X-XXXX

DATE: Issue Date

SHEET TITLE:

COUNTY CALGREEN
CHECKLIST

SCALE:

CALGREEN 2022 NOTES – MANDATORY REQUIREMENTS:

1. PROJECTS WHICH DISTURB LESS THAN ONE ACRE OF SOIL AND ARE NOT PART OF A LARGER COMMON PLAN OF DEVELOPMENT WHICH IN TOTAL DISTURBS ONE ACRE OR MORE, SHALL MANAGE STORM WATER DRAINAGE DURING CONSTRUCTION. SEE CALGREEN 4.106.2 FOR FURTHER DETAILS.

2. CONSTRUCTION PLANS SHALL INDICATE HOW THE SITE GRADING OR DRAINAGE SYSTEM WILL MANAGE ALL SURFACE WATER FLOWS TO KEEP WATER FROM ENTERING BUILDINGS. SWALES, WATER COLLECTION AND DISPOSAL SYSTEMS, FRENCH DRAINS, WATER RETENTION GARDENS, AND OTHER MEASURES CAN BE USED. EXCEPTION: ADDITIONS AND ALTERATIONS NOT ALTERING THE DRAINAGE PATH.

3. FOR ANY NEW DWELLING UNITS WITH ATTACHED GARAGES AND FOR REBUILDS OF EXISTING DWELLING UNITS THAT INCLUDE A PANEL UPGRADE OR CONSTRUCTION BETWEEN THE PANEL AND PARKING AREA, INSTALL A LEVEL 2 EV READY SPACE AND LEVEL 1 EV READY SPACE. THE RACEWAY TERMINATION LOCATION SHALL BE PERMANENTLY AND VISIBLY MARKED AS "LEVEL 2 EV-READY."

EXCEPTION: FOR EACH DWELLING UNIT WITH ONLY ONE PARKING SPACE, INSTALL A LEVEL 2 EV READY SPACE.

LEVEL 1 EV READY SPACE IS A PARKING SPACE SERVED BY A COMPLETE ELECTRIC CIRCUIT WITH A MINIMUM OF 110/120 VOLT, 20-AMPERE CAPACITY, INCLUDING ELECTRICAL PANEL CAPACITY; AN OVERPROTECTION DEVICE; A MINIMUM 1" DIAMETER RACEWAY THAT MAY INCLUDE MULTIPLE CIRCUITS AS ALLOWED BY THE COUNTY ELECTRICAL CODE; PROPERLY SIZED CONDUCTORS; GROUNDING AND BONDING; AND EITHER (A) A RECEPTACLE LABELLED "ELECTRIC VEHICLE OUTLET" WITH AT LEAST A ½" FONT ADJACENT TO THE PARKING SPACE, OR (B) LABELED ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE).

LEVEL 2 EV READY SPACE IS A PARKING SPACE SERVED BY A COMPLETE ELECTRIC CIRCUIT WITH A MINIMUM OF 208/240 VOLT, 40-AMPERE CAPACITY, INCLUDING THE REQUIRED ELECTRICAL PANEL CAPACITY; AN OVERCURRENT PROTECTION DEVICE; A MINIMUM 1" DIAMETER RACEWAY THAT MAY INCLUDE MULTIPLE CIRCUITS AS ALLOWED BY THE COUNTY ELECTRICAL CODE; PROPERLY SIZED CONDUCTORS; GROUNDING AND BONDING; AND EITHER (A) A RECEPTACLE LABELED "ELECTRIC VEHICLE OUTLET" WITH A MINIMUM ½" FONT, ADJACENT TO THE PARKING SPACE, OR (B) A BLANK LABELED ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE) WITH A MINIMUM OUTPUT OF 40 AMPERES.

4. ACCESSORY DWELLING UNITS (ADU) AND JUNIOR ACCESSORY DWELLING UNITS (JADU) WITHOUT ADDITIONAL PARKING SPACES AND WITHOUT ELECTRICAL PANEL UPGRADE OR NEW PANEL INSTALLATION ARE EXEMPT FROM REQUIREMENTS ON NOTE 3. ADUS AND JADUS WITHOUT ADDITIONAL PARKING BUT WITH ELECTRICAL PANEL UPGRADES OR NEW PANELS MUST HAVE RESERVED BREAKERS AND ELECTRICAL CAPACITY ACCORDING TO THE REQUIREMENTS OF NOTE 3.

5. ALL NONCOMPLIANT PLUMBING FIXTURES SHALL BE REPLACED WITH WATER-CONSERVING PLUMBING FIXTURES. PLUMBING FIXTURE REPLACEMENT IS REQUIRED PRIOR TO ISSUANCE OF A CERTIFICATE OF FINAL COMPLETION, CERTIFICATE OF OCCUPANCY, OR FINAL PERMIT APPROVAL BY BUILDING AND INSPECTION DIVISION. SEE CIVIL CODE SECTION 1101.1, ET SEQ., FOR THE DEFINITION OF A NONCOMPLIANT PLUMBING FIXTURE, TYPES OF RESIDENTIAL BUILDINGS AFFECTED AND OTHER IMPORTANT ENACTMENT DATES.

- A. THE EFFECTIVE FLUSH VOLUME OF ALL WATER CLOSETS SHALL NOT EXCEED 1.28 GALLONS PER FLUSH. TANK-TYPE WATER CLOSETS SHALL BE CERTIFIED TO THE PERFORMANCE CRITERIA OF THE U.S. EPA WATERSENSE SPECIFICATION FOR TANK-TYPE TOILETS.
- B. SHOWERHEADS SHALL HAVE A MAXIMUM FLOW RATE OF NOT MORE THAN 1.8 GALLONS PER MINUTE AT 80 PSI. SHOWERHEADS SHALL BE CERTIFIED TO THE PERFORMANCE CRITERIA OF THE U.S. EPA WATERSENSE SPECIFICATION FOR SHOWERHEADS.
- C. WHEN A SHOWER IS SERVED BY MORE THAN ONE SHOWERHEAD, THE COMBINED FLOW RATE OF ALL SHOWER-HEADS AND/OR OTHER SHOWER OUTLETS CONTROLLED BY A SINGLE VALVE SHALL NOT EXCEED 1.8 GALLONS PER MINUTE AT 80 PSI, OR THE SHOWER SHALL BE DESIGNED TO ALLOW ONLY ONE SHOWER OUTLET TO BE IN OPERATION AT A TIME. A HAND-HELD SHOWER SHALL BE CONSIDERED A SHOWERHEAD.
- D. THE MAXIMUM FLOW RATE OF RESIDENTIAL LAVATORY FAUCETS SHALL NOT EXCEED 1.2 GALLONS PER MINUTE AT 60 PSI. THE MINIMUM FLOW RATE OF RESIDENTIAL LAVATORY FAUCETS SHALL NOT BE LESS THAN 0.8 GALLONS PER MINUTE AT 20 PSI.
- E. THE MAXIMUM FLOW RATE OF KITCHEN FAUCETS SHALL NOT EXCEED 1.8 GALLONS PER MINUTE AT 60 PSI. KITCHEN FAUCETS MAY TEMPORARILY INCREASE THE FLOW ABOVE THE MAXIMUM RATE, BUT NOT TO EXCEED 2.2 GALLONS PER MINUTE AT 60 PSI, AND MUST DEFAULT TO A MAXIMUM FLOW RATE OF 1.8 GALLONS PER MINUTE AT 60 PSI.

6. PLUMBING FIXTURES AND FITTINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA PLUMBING CODE, AND SHALL MEET THE APPLICABLE STANDARDS REFERENCED IN TABLE 1701.1 OF THE CALIFORNIA PLUMBING CODE.

7. RESIDENTIAL DEVELOPMENTS SHALL COMPLY WITH COUNTY OF SANTA CLARA WATER EFFICIENT LANDSCAPE ORDINANCE OR THE CURRENT CALIFORNIA DEPARTMENT OF WATER RESOURCES' MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWEL0), WHICHEVER IS MORE STRINGENT.

8. Not used.

9. ANNULAR SPACES AROUND PIPES, ELECTRIC CABLES, CONDUITS OR OTHER OPENINGS IN SOLE/BOTTOM PLATES AT EXTERIOR WALLS SHALL BE PROTECTED AGAINST THE PASSAGE OF RODENTS BY CLOSING SUCH OPENINGS WITH CEMENT MORTAR, CONCRETE MASONRY OR A SIMILAR METHOD ACCEPTABLE TO THE COUNTY OF SANTA CLARA.

10. RECYCLE AND/OR SALVAGE FOR REUSE A MINIMUM OF 65 PERCENT OF THE NONHAZARDOUS CONSTRUCTION AND DEMOLITION WASTE IN ACCORDANCE WITH CALGREEN SECTION 4.408.2 OR 4.408.3.

A. A CONSTRUCTION WASTE MANAGEMENT PLAN IS PROVIDED. THE CONSTRUCTION WASTE MANAGEMENT PLAN SHALL BE UPDATED AS NECESSARY AND SHALL BE AVAILABLE DURING CONSTRUCTION FOR EXAMINATION BY THE COUNTY OF SANTA CLARA.

- 1. IDENTIFY THE CONSTRUCTION AND DEMOLITION WASTE MATERIALS TO BE DIVERTED FROM DISPOSAL BY RECYCLING, REUSE ON THE PROJECT OR SALVAGE FOR FUTURE USE OR SALE.
- 2. SPECIFY IF CONSTRUCTION AND DEMOLITION WASTE MATERIALS WILL BE SORTED ON-SITE (SOURCE-SEPARATED) OR BULK MIXED (SINGLE STREAM).
- 3. IDENTIFY DIVERSION FACILITIES WHERE THE CONSTRUCTION AND DEMOLITION WASTE MATERIAL WILL BE TAKEN.
- 4. IDENTIFY CONSTRUCTION METHODS EMPLOYED TO REDUCE THE AMOUNT OF CONSTRUCTION AND DEMOLITION WASTE GENERATED.
- 5. Specify that the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both.

B. A WASTE MANAGEMENT COMPANY CAN BE UTILIZED IF APPROVED BY THE COUNTY OF SANTA CLARA. SEE CALGREEN 4.408.3 FOR FURTHER .DETAILS

11. DOCUMENTATION SHALL BE PROVIDED TO THE COUNTY OF SANTA CLARA WHICH DEMONSTRATES COMPLIANCE WITH NOTE 10.

12. AT THE TIME OF FINAL INSPECTION, A MANUAL, COMPACT DISC, WEB-BASED REFERENCE, OR OTHER MEDIA ACCEPTABLE TO THE COUNTY OF SANTA CLARA INCLUDES ALL OF THE REQUIRED INFORMATION, SHALL BE PLACED IN THE BUILDING. SEE CALGREEN 4.410.1 FOR DETAILS OF REQUIRED INFORMATION.

13. ANY INSTALLED GAS FIREPLACE SHALL BE A DIRECT-VENT SEALED-COMBUSTION TYPE. ANY INSTALLED WOODSTOVE OR PELLET STOVE SHALL COMPLY WITH U.S. EPA NEW SOURCE PERFORMANCE STANDARDS (NSPS) EMISSION LIMITS AS APPLICABLE, AND SHALL HAVE A PERMANENT LABEL INDICATING THEY ARE CERTIFIED TO MEET THE EMISSION LIMITS. WOODSTOVES, PELLET STOVES AND FIREPLACES SHALL ALSO COMPLY WITH APPLICABLE SANTA CLARA COUNTY ORDINANCES AND BAY AREA AIR QUALITY MANAGEMENT DISTRICT REGULATION 6, RULE 3.

14. AT THE TIME OF ROUGH INSTALLATION, DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP OF THE HEATING, COOLING AND VENTILATING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEET METAL OR OTHER METHODS ACCEPTABLE TO THE COUNTY OF SANTA CLARA TO REDUCE THE AMOUNT OF WATER, DUST AND DEBRIS, WHICH MAY ENTER THE SYSTEM.

15. ADHESIVES, SEALANTS AND CAULKS USED ON THE PROJECT SHALL MEET THE REQUIREMENTS OF CALGREEN TABLES 4.504.1 OR 4.504.2 AS REPRODUCED ON SHEET CG-1. SUCH PRODUCTS ALSO SHALL COMPLY WITH THE RULE 1168 PROHIBITION ON THE USE OF CERTAIN TOXIC COMPOUNDS (CHLOROFORM, ETHYLENE DICHLORIDE, METHYLENE CHLORIDE, PERCHLOROETHYLENE AND TRICHLOROETHYLENE), EXCEPT FOR AEROSOL PRODUCTS, AS SPECIFIED BELOW.

AEROSOL ADHESIVES, AND SMALLER UNIT SIZES OF ADHESIVES, AND SEALANT OR CAULKING COMPOUNDS (IN UNITS OF PRODUCT, LESS PACKAGING, WHICH DO NOT WEIGH MORE THAN 1 POUND AND DO NOT CONSIST OF MORE THAN 16 FLUID OUNCES) SHALL COMPLY WITH STATEWIDE VOC STANDARDS AND OTHER REQUIREMENTS, INCLUDING PROHIBITIONS ON USE OF CERTAIN TOXIC COMPOUNDS, OF CALIFORNIA CODE OF REGULATIONS, TITLE 17, COMMENCING WITH SECTION 94507.

16. ARCHITECTURAL PAINTS AND COATINGS SHALL COMPLY WITH VOC LIMITS AS SHOWN IN TABLE 4.504.3 SHEET CG-1. THE VOC CONTENT LIMIT FOR COATINGS THAT DO NOT MEET THE DEFINITIONS FOR THE SPECIALTY COATINGS CATEGORIES LISTED IN TABLE 4.504.3 SHALL BE DETERMINED BY CLASSIFYING THE COATING AS A FLAT, NONFLAT OR NONFLAT-HIGH GLOSS COATING, BASED ON ITS GLOSS, AS DEFINED IN SUBSECTIONS 4.21, 4.36, AND 4.37 OF THE 2007 CALIFORNIA AIR RESOURCES BOARD, SUGGESTED CONTROL MEASURE, AND THE CORRESPONDING FLAT, NONFLAT OR NON-FLAT-HIGH GLOSS VOC LIMIT IN TABLE 4.504.3, SHEET CG-1 SHALL APPLY.

17. AEROSOL PAINTS AND COATINGS SHALL MEET THE PRODUCT-WEIGHTED MIR LIMITS FOR ROC IN SECTION 94522(A)(2) AND OTHER REQUIREMENTS, INCLUDING PROHIBITIONS ON USE OF CERTAIN TOXIC COMPOUNDS AND OZONE DEPLETING SUBSTANCES, IN SECTIONS 94522(E)(1) AND (F)(1) OF CALIFORNIA CODE OF REGULATIONS, TITLE 17, COMMENCING WITH SECTION 94520; AND IN AREAS UNDER THE JURISDICTION OF THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT ADDITIONALLY COMPLY WITH THE PERCENT VOC BY WEIGHT OF PRODUCT LIMITS OF REGULATION 8, RULE 49.

18. VERIFICATION OF COMPLIANCE WITH NOTES 15, 16, AND 17 SHALL BE PROVIDED AT THE REQUEST OF THE COUNTY OF SANTA CLARA.

19. ALL CARPET AND CARPET CUSHION INSTALLED IN THE BUILDING INTERIOR SHALL MEET THE REQUIREMENTS OF CALIFORNIA DEPARTMENT OF PUBLIC HEALTH, "STANDARD METHOD FOR THE TESTING AND EVALUATION OF VOLATILE ORGANIC CHEMICAL EMISSIONS FROM INDOOR SOURCES USING ENVIRONMENTAL CHAMBERS," VERSION 1.2, JANUARY 2017 (EMISSION TESTING METHOD FOR CALIFORNIA SPECIFICATION 01350)

ALL CARPET ADHESIVE SHALL MEET THE REQUIREMENTS OF TABLE 4.504.1, SHEET CG-1.

20. WHERE RESILIENT FLOORING IS INSTALLED, AT LEAST 80 PERCENT OF FLOOR AREA RECEIVING RESILIENT FLOORING SHALL MEET THE REQUIREMENTS OF THE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH, "STANDARD METHOD FOR THE TESTING AND EVALUATION OF VOLATILE ORGANIC CHEMICAL EMISSIONS FROM INDOOR SOURCES USING ENVIRONMENTAL CHAMBERS," VERSION 1.2, JANUARY 2017 (EMISSION TESTING METHOD FOR CALIFORNIA SPECIFICATION 01350)

21. HARDWOOD PLYWOOD, PARTICLEBOARD AND MEDIUM DENSITY FIBERBOARD COMPOSITE WOOD PRODUCTS USED ON THE INTERIOR OR EXTERIOR OF THE BUILDING SHALL MEET THE REQUIREMENTS FOR FORMALDEHYDE AS SPECIFIED IN TABLE 4.504.5 SHEET CG-1.

22. VERIFICATION OF COMPLIANCE WITH NOTE 21 SHALL BE PROVIDED AT THE REQUEST OF THE COUNTY OF SANTA CLARA.

23. CONCRETE SLAB FOUNDATIONS REQUIRED TO HAVE A VAPOR RETARDER BY CBC, CHAPTER 19 OR CONCRETE SLAB-ON-GROUND FLOORS REQUIRED TO HAVE A VAPOR RETARDER BY CRC CHAPTER 5, SHALL COMPLY WITH FOLLOWING REQUIREMENT:

A CAPILLARY BREAK SHALL BE INSTALLED IN COMPLIANCE WITH AT LEAST ONE OF THE FOLLOWING:

- A. A 4-INCH-THICK BASE OF 1/2 INCH OR LARGER CLEAN AGGREGATE SHALL BE PROVIDED WITH A VAPOR RETARDER IN DIRECT CONTACT WITH CONCRETE AND A CONCRETE MIX DESIGN, WHICH WILL ADDRESS BLEEDING, SHRINKAGE, AND CURLING, SHALL BE USED.
- B. A SLAB DESIGN SPECIFIED BY THE LICENSED DESIGN PROFESSIONAL.

24. BUILDING MATERIALS WITH VISIBLE SIGNS OF WATER DAMAGE SHALL NOT BE INSTALLED. WALL AND FLOOR FRAMING SHALL NOT BE ENCLOSED WHEN THE FRAMING MEMBERS EXCEED 19 PERCENT MOISTURE CONTENT. INSULATION PRODUCTS WHICH ARE VISIBLY WET OR HAVE A HIGH MOISTURE CONTENT SHALL BE REPLACED OR ALLOWED TO DRY PRIOR TO ENCLOSURE IN WALL OR FLOOR CAVITIES. WET-APPLIED INSULATION PRODUCTS SHALL FOLLOW THE MANUFACTURERS' DRYING RECOMMENDATIONS PRIOR TO ENCLOSURE.

25. EACH BATHROOM SHALL BE MECHANICALLY VENTILATED AND SHALL COMPLY WITH THE FOLLOWING:

- A. FANS SHALL BE ENERGY STAR COMPLIANT AND BE DUCTED TO TERMINATE OUTSIDE THE BUILDING.
- B. UNLESS FUNCTIONING AS A COMPONENT OF A WHOLE HOUSE VENTILATION SYSTEM, FANS MUST BE CONTROLLED BY A HUMIDITY CONTROL.
 - 1. HUMIDITY CONTROLS SHALL BE CAPABLE OF ADJUSTMENT BETWEEN A RELATIVE HUMIDITY RANGE OF ≤ 50 PERCENT TO A MAXIMUM OF 80 PERCENT. A HUMIDITY CONTROL MAY UTILIZE MANUAL OR AUTOMATIC MEANS OF ADJUSTMENT.
 - 2. A HUMIDITY CONTROL MAY BE A SEPARATE COMPONENT TO THE EXHAUST FAN AND IS NOT REQUIRED TO BE INTEGRAL.

26. HEATING AND AIR-CONDITIONING SYSTEMS SHALL BE SIZED, DESIGNED AND HAVE THEIR EQUIPMENT SELECTED USING THE FOLLOWING METHODS:

- A. THE HEAT LOSS AND HEAT GAIN IS ESTABLISHED ACCORDING TO ANSI/ACCA 2 MANUAL J—2016 (RESIDENTIAL LOAD CALCULATION), ASHRAE HANDBOOKS OR OTHER EQUIVALENT DESIGN SOFTWARE OR METHODS.
- B. DUCT SYSTEMS ARE SIZED ACCORDING TO ANSI/ACCA 1 MANUAL D—2016 (RESIDENTIAL DUCT SYSTEMS), ASHRAE HANDBOOKS OR OTHER EQUIVALENT DESIGN SOFTWARE OR METHODS.
- C. SELECT HEATING AND COOLING EQUIPMENT ACCORDING TO ANSI/ACCA 3 MANUAL S—2014 (RESIDENTIAL EQUIPMENT SELECTION) OR OTHER EQUIVALENT DESIGN SOFTWARE OR METHODS.

27. HVAC SYSTEM INSTALLERS SHALL BE TRAINED AND CERTIFIED IN THE PROPER INSTALLATION OF HVAC SYSTEMS INCLUDING DUCTS AND EQUIPMENT BY A NATIONALLY OR REGIONALLY RECOGNIZED TRAINING OR CERTIFICATION PROGRAM. UNCERTIFIED PERSONS MAY PERFORM HVAC INSTALLATIONS WHEN UNDER THE DIRECT SUPERVISION AND RESPONSIBILITY OF A PERSON TRAINED AND CERTIFIED TO INSTALL HVAC SYSTEMS OR CONTRACTOR LICENSED TO INSTALL HVAC SYSTEMS.

28. IF REQUIRED BY THE COUNTY OF SANTA CLARA, THE OWNER OR THE RESPONSIBLE ENTITY ACTING AS THE OWNER'S AGENT SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTION OR OTHER DUTIES NECESSARY TO SUBSTANTIATE COMPLIANCE WITH THIS CODE. SPECIAL INSPECTORS SHALL DEMONSTRATE COMPETENCE TO THE SATISFACTION OF THE COUNTY OF SANTA CLARA FOR THE PARTICULAR TYPE OF INSPECTION OR TASK TO BE PERFORMED. SPECIAL INSPECTORS SHALL BE INDEPENDENT ENTITIES WITH NO FINANCIAL INTEREST IN THE MATERIALS OR THE PROJECT THEY ARE INSPECTING FOR COMPLIANCE WITH THIS CODE.

29. DOCUMENTATION USED TO SHOW COMPLIANCE WITH THIS CODE SHALL INCLUDE BUT IS NOT LIMITED TO, CONSTRUCTION DOCUMENTS, PLANS, SPECIFICATIONS, BUILDER OR INSTALLER CERTIFICATION, INSPECTION REPORTS, OR OTHER METHODS ACCEPTABLE TO THE COUNTY OF SANTA CLARA WHICH DEMONSTRATE SUBSTANTIAL CONFORMANCE. WHEN SPECIFIC DOCUMENTATION OR SPECIAL INSPECTION IS NECESSARY TO VERIFY COMPLIANCE, THAT METHOD OF COMPLIANCE WILL BE SPECIFIED IN THE APPROPRIATE SECTION OR IDENTIFIED IN THE APPLICATION CHECKLIST.



THE COUNTY OF SANTA CLARA

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NO.	DATE	REVISIONS

PROJECT TITLE:

**SCC STANDARD
ADU - 1200 SF**

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COUNTY PERMIT #	DEV2X-XXXX
DATE:	Issue Date
SHEET TITLE:	

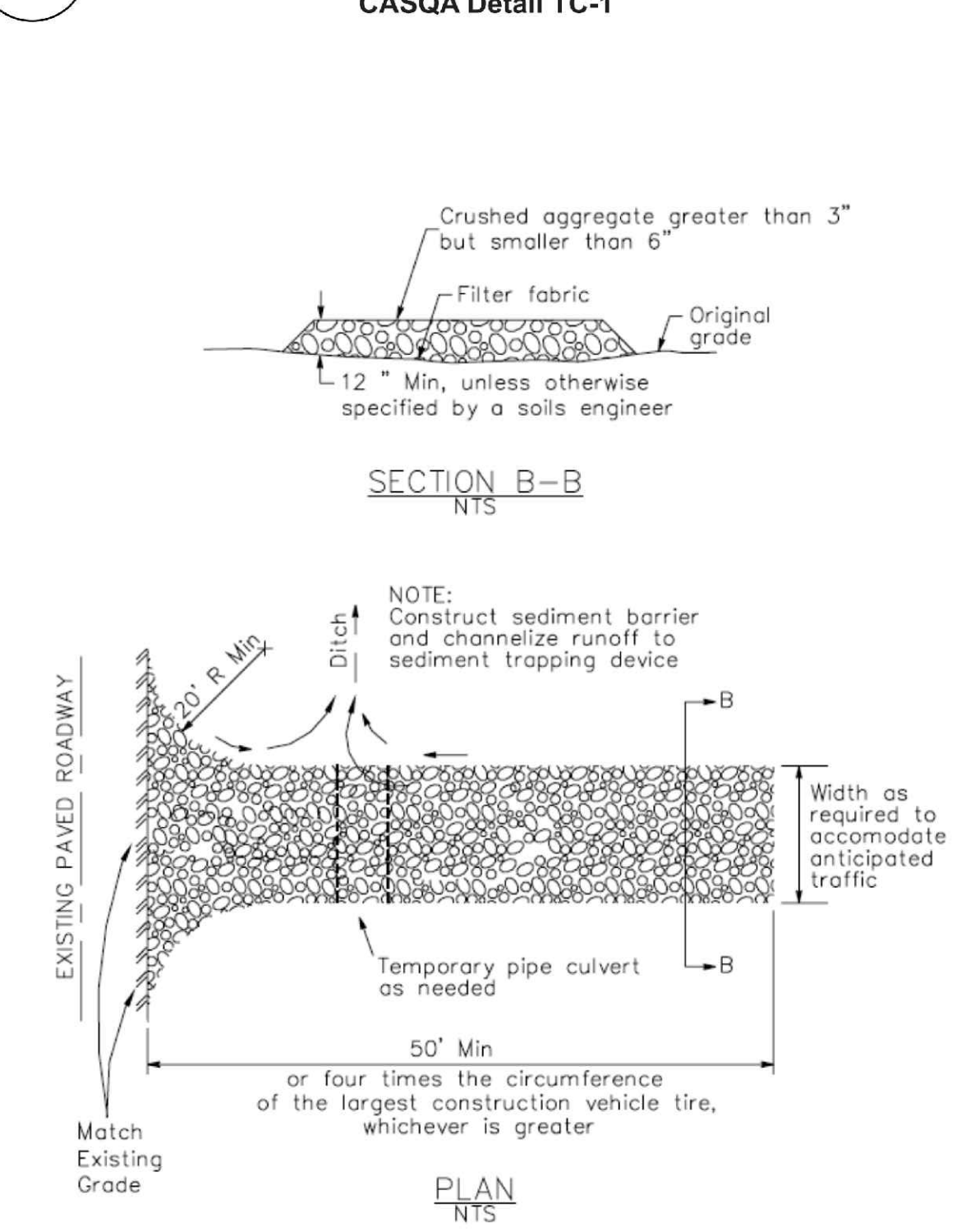
**COUNTY CALGREEN
CHECKLIST**

SCALE:

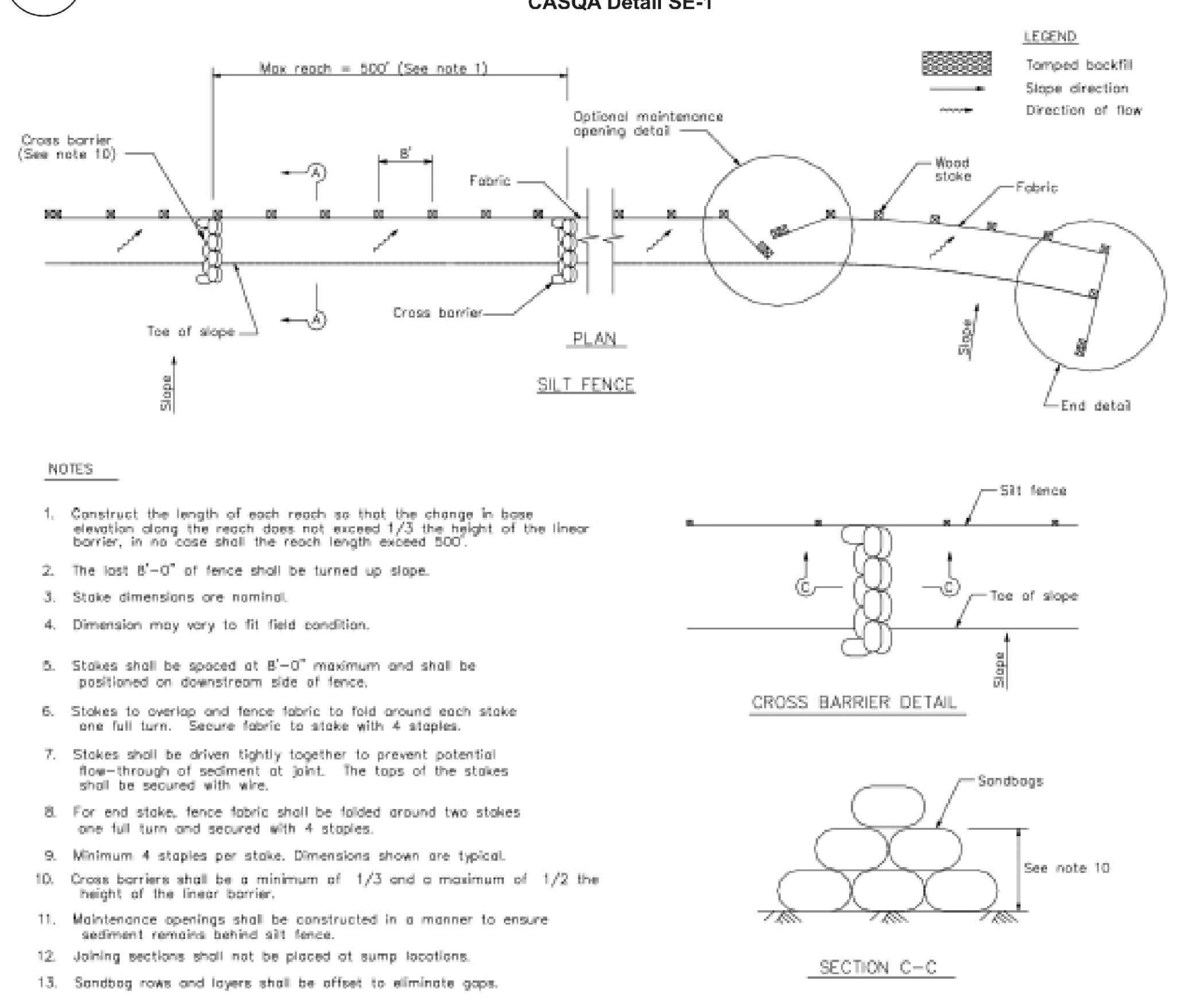


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3 Stabilized Construction Entrance/Exit
 CASQA Detail TC-1

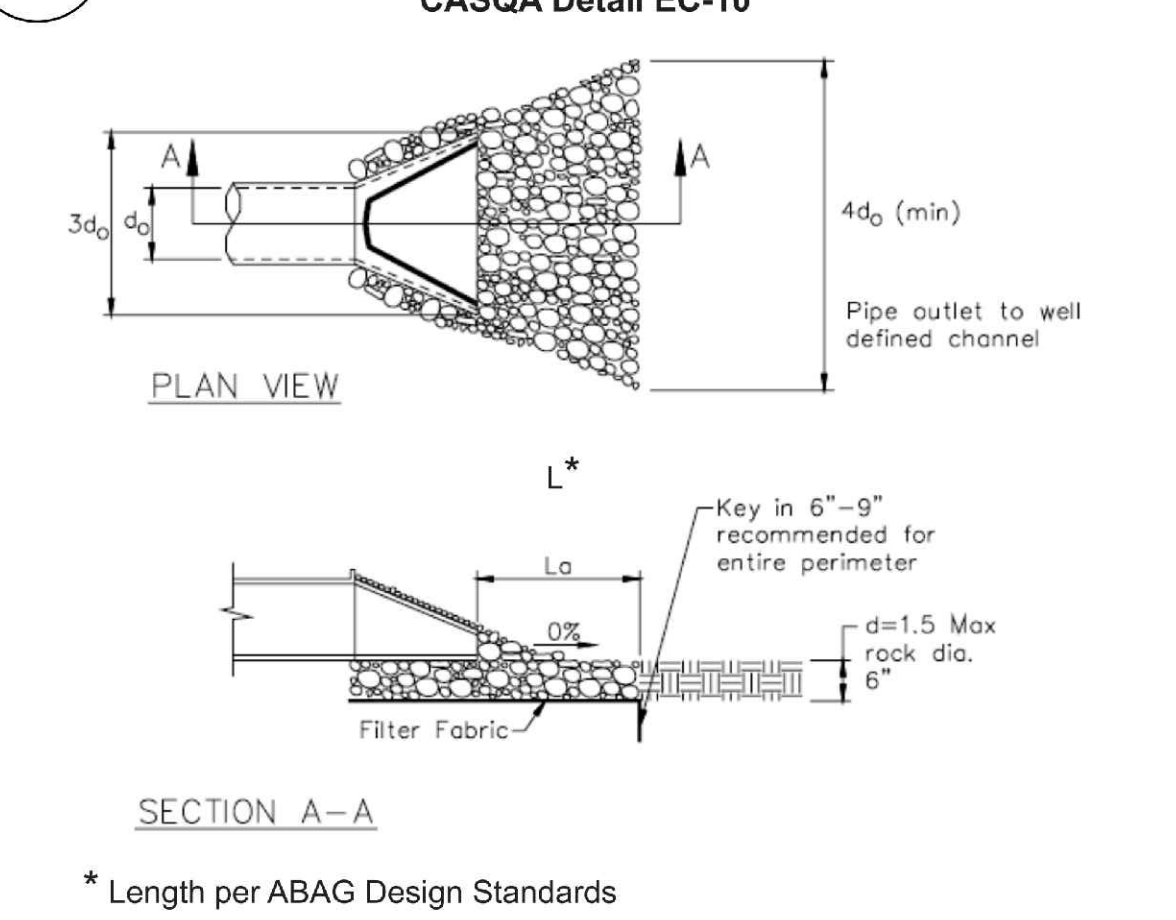


1 Silt Fence
 CASQA Detail SE-1

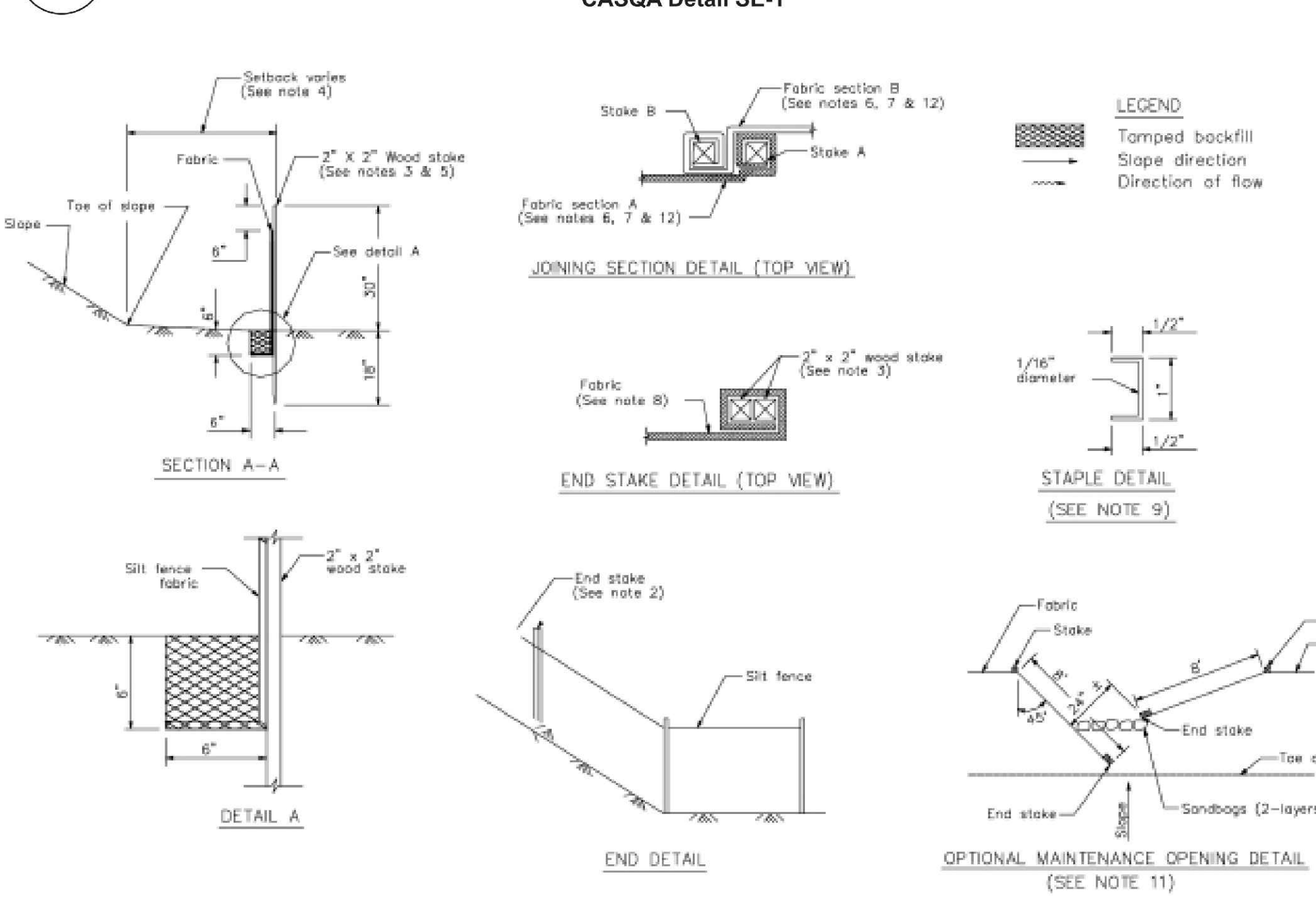


- NOTES**
- Construct the length of each reach so that the change in base elevation along the reach does not exceed 1/3 the height of the linear barrier, in no case shall the reach length exceed 500'.
 - The last 8'-0" of fence shall be turned up slope.
 - Stake dimensions are nominal.
 - Dimension may vary to fit field condition.
 - Stakes shall be spaced at 8'-0" maximum and shall be positioned on downstream side of fence.
 - Stakes to overlap and fence fabric to fold around each stake one full turn. Secure fabric to stake with 4 staples.
 - Stakes shall be driven tightly together to prevent potential flow-through of sediment at joint. The tops of the stakes shall be secured with wire.
 - For end stake, fence fabric shall be folded around two stakes one full turn and secured with wire.
 - Minimum 4 staples per stake. Dimensions shown are typical.
 - Cross barriers shall be a minimum of 1/3 and a maximum of 1/2 the height of the linear barrier.
 - Maintenance openings shall be constructed in a manner to ensure sediment remains behind silt fence.
 - Joining sections shall not be placed at sump locations.
 - Sandbag rows and layers shall be offset to eliminate gaps.

4 Velocity Dissipation Devices
 CASQA Detail EC-10



2 Silt Fence
 CASQA Detail SE-1



STANDARD BEST MANAGEMENT PRACTICE NOTES

- Solid and Demolition Waste Management:** Provide designated waste collection areas and containers on site away from streets, gutters, storm drains, and waterways, and arrange for regular disposal. Waste containers must be watertight and covered at all times except when waste is deposited. Refer to Erosion & Sediment Control Field Manual, 4th Edition (page C3) or latest.
- Hazardous Waste Management:** Provide proper handling and disposal of hazardous wastes by a licensed hazardous waste material hauler. Hazardous wastes shall be stored and properly labeled in sealed containers constructed of suitable materials. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-5 to C-6) or latest.
- Spill Prevention and Control:** Provide proper storage areas for liquid and solid materials, including chemicals and hazardous substances, away from streets, gutters, storm drains, and waterways. Spill control materials must be kept on site where readily accessible. Spills must be cleaned up immediately and contaminated soil disposed properly. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-7 to C-8, C-13 to C-14) or latest.
- Vehicle and Construction Equipment Service and Storage:** An area shall be designated for the maintenance, where on-site maintenance is required, and storage of equipment that is protected from stormwater run-on and runoff. Measures shall be provided to capture any waste oils, lubricants, or other potential pollutants and these wastes shall be properly disposed of off site. Fueling and major maintenance/repair, and washing shall be conducted off-site whenever feasible. Refer to Erosion & Sediment Control Field Manual, 4th Edition (page C9) or latest.
- Material Delivery, Handling and Storage:** In general, materials should not be stockpiled on site. Where temporary stockpiles are necessary and approved by the County, they shall be covered with secured plastic sheeting or tarp and located in designated areas near construction entrances and away from drainage paths and waterways. Barriers shall be provided around storage areas where materials are potentially in contact with runoff. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-11 to C-12) or latest.
- Handling and Disposal of Concrete and Cement:** When concrete trucks and equipment are washed on-site, concrete wastewater shall be contained in designated containers or in a temporary lined and watertight pit where wasted concrete can harden for later removal. If possible have concrete contractor remove concrete wash water from site. In no case shall fresh concrete be washed into the road right-of-way. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-15 to C-16) or latest.
- Pavement Construction Management:** Prevent or reduce the discharge of pollutants from paving operations, using measures to prevent run-on and runoff pollution and properly disposing of wastes. Avoid paving in the wet season and reschedule paving when rain is in the forecast. Residue from saw-cutting shall be vacuumed for proper disposal. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-17 to C-18) or latest.
- Contaminated Soil and Water Management:** Inspections to identify contaminated soils should occur prior to construction and at regular intervals during construction. Remediating contaminated soil should occur promptly after identification and be specific to the contaminant identified, which may include hazardous waste removal. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-19 to C-20) or latest.
- Sanitary/Septic Water Management:** Temporary sanitary facilities should be located away from drainage paths, waterways, and traffic areas. Only licensed sanitary and septic waste haulers should be used. Secondary containment should be provided for all sanitary facilities. Refer to Erosion & Sediment Control Field Manual, 4th Edition (page C-21) or latest.
- Inspection & Maintenance:** Areas of material and equipment storage sites and temporary sanitary facilities must be inspected weekly. Problem areas shall be identified and appropriate additional and/or alternative control measures implemented immediately, within 24 hours of the problem being identified.

STANDARD EROSION CONTROL NOTES

- Sediment Control Management:**
 - Tracking Prevention & Clean Up:** Activities shall be organized and measures taken as needed to prevent or minimize tracking of soil onto the public street system. A gravel or proprietary device construction entrance/exit is required for all sites. Clean up of tracked material shall be provided by means of a street sweeper prior to an approaching rain event, or at least once at the end of each workday that material is tracked, or more frequently as determined by the County Inspector. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages B-31 to B-33) or latest.
 - Storm Drain Inlet and Catch Basin Inlet Protection:** All inlets within the vicinity of the project and within the project limits shall be protected with gravel bags placed around inlets or other inlet protection. At locations where exposed soils are present, staked fiber rolls or staked silt fences can be used. Inlet filters are not allowed due to clogging and subsequent flooding. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages B-49 to B-51) or latest.
 - Storm Water Runoff:** No storm water runoff shall be allowed to drain in to the existing and/or proposed underground storm drain system or other above ground watercourses until appropriate erosion control measures are fully installed.
 - Dust Control:** The contractor shall provide dust control in graded areas as required by providing wind suppression or chemical stabilization of exposed soils, providing for rapid clean up of sediments deposited on paved roads, furnishing construction road entrances and vehicle wash down areas, and limiting the amount of areas disturbed by clearing and earth moving operations by scheduling these activities in phases.
 - Stockpiling:** Excavated soils shall not be placed in streets or on paved areas. Borrow and temporary stockpiles shall be protected with appropriate erosion control measures (tarps, straw bales, silt fences, etc.) to ensure silt does not leave the site or enter the storm drain system or neighboring watercourse.
- Erosion Control:** During the rainy season, all disturbed areas must include an effective combination of erosion and sediment control. It is required that temporary erosion control measures are applied to all disturbed soil areas prior to a rain event. During the non-rainy season, erosion control measures must be applied sufficient to control wind erosion at the site.
- Inspection & Maintenance:** Disturbed areas of the Project's site, locations where vehicles enter or exit the site, and all erosion and sediment controls that are identified as part of the Erosion Control Plans must be inspected by the Contractor before, during, and after storm events, and at least weekly during seasonal wet periods. Problem areas shall be identified and appropriate additional and/or alternative control measures implemented immediately, within 24 hours of the problem being identified.
- Project Completion:** Prior to project completion and signoff by the County Inspector, all disturbed areas shall be reseeded, planted, or landscaped to minimize the potential for erosion on the subject site.
- It shall be the Owner's/Contractor's responsibility to maintain control of the entire construction operation and to keep the entire site in compliance with the erosion control plan.
- Erosion and sediment control best management practices shall be operable year round or until vegetation is fully established on landscaped surfaces.

NO.	DATE	REVISIONS

PROJECT TITLE:
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SHEET TITLE:
**BEST MANAGEMENT
 PRACTICES &
 EROSION CONTROL
 DETAILS**

SCALE:

Source for Graphics: California Stormwater BMP Handbook, California Stormwater Quality Association, January 2003. Available from www.cabmphandbooks.com.



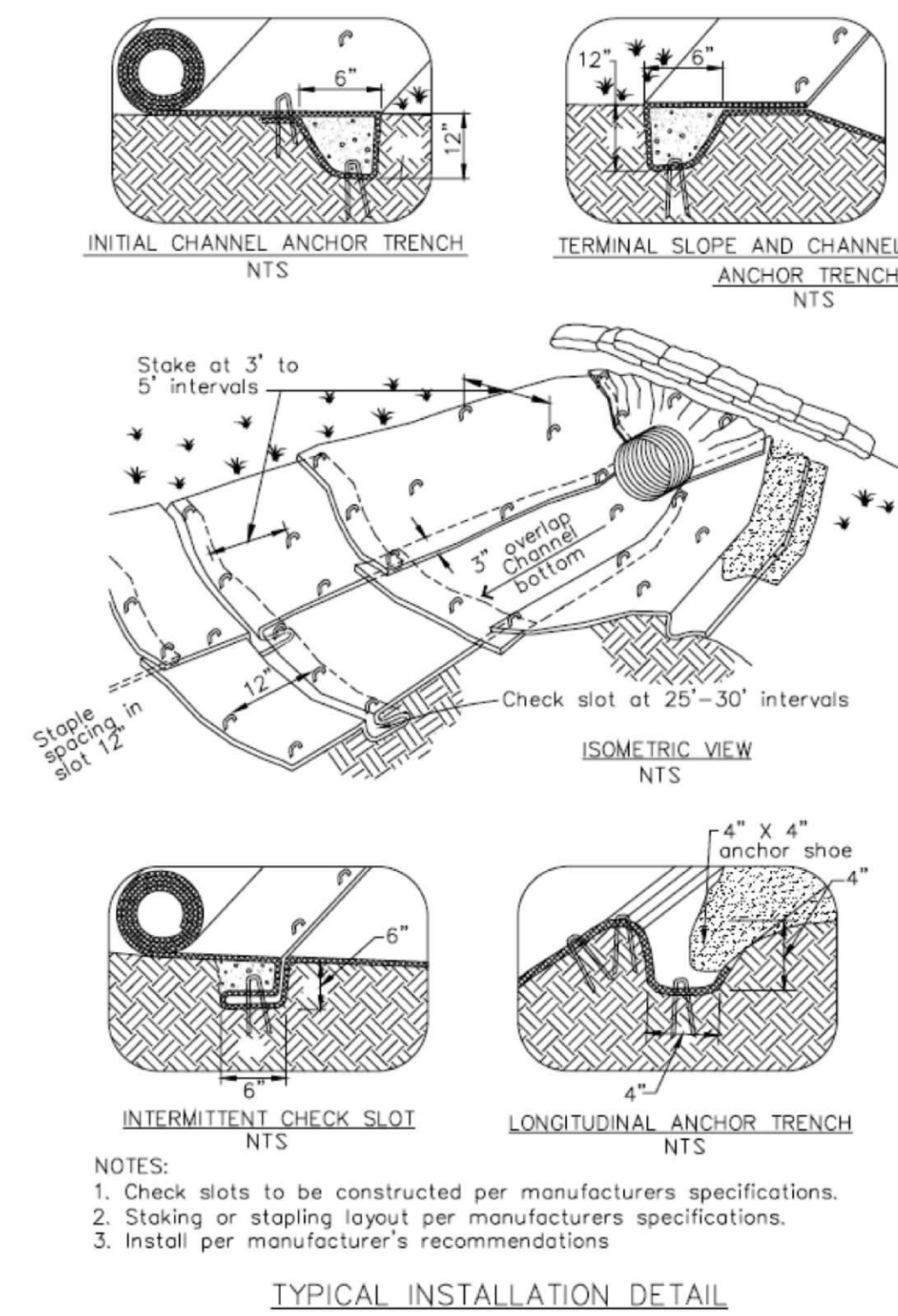
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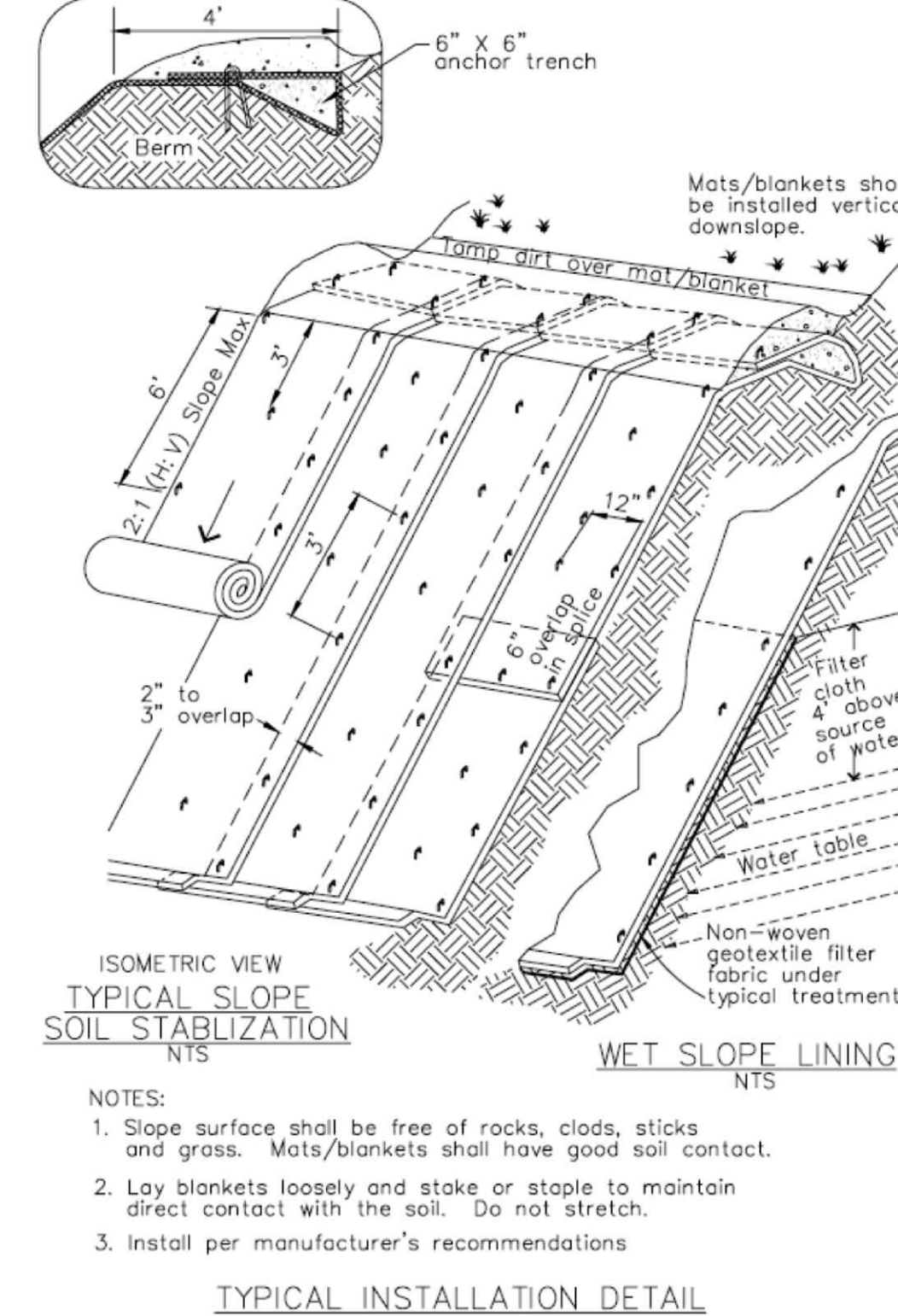
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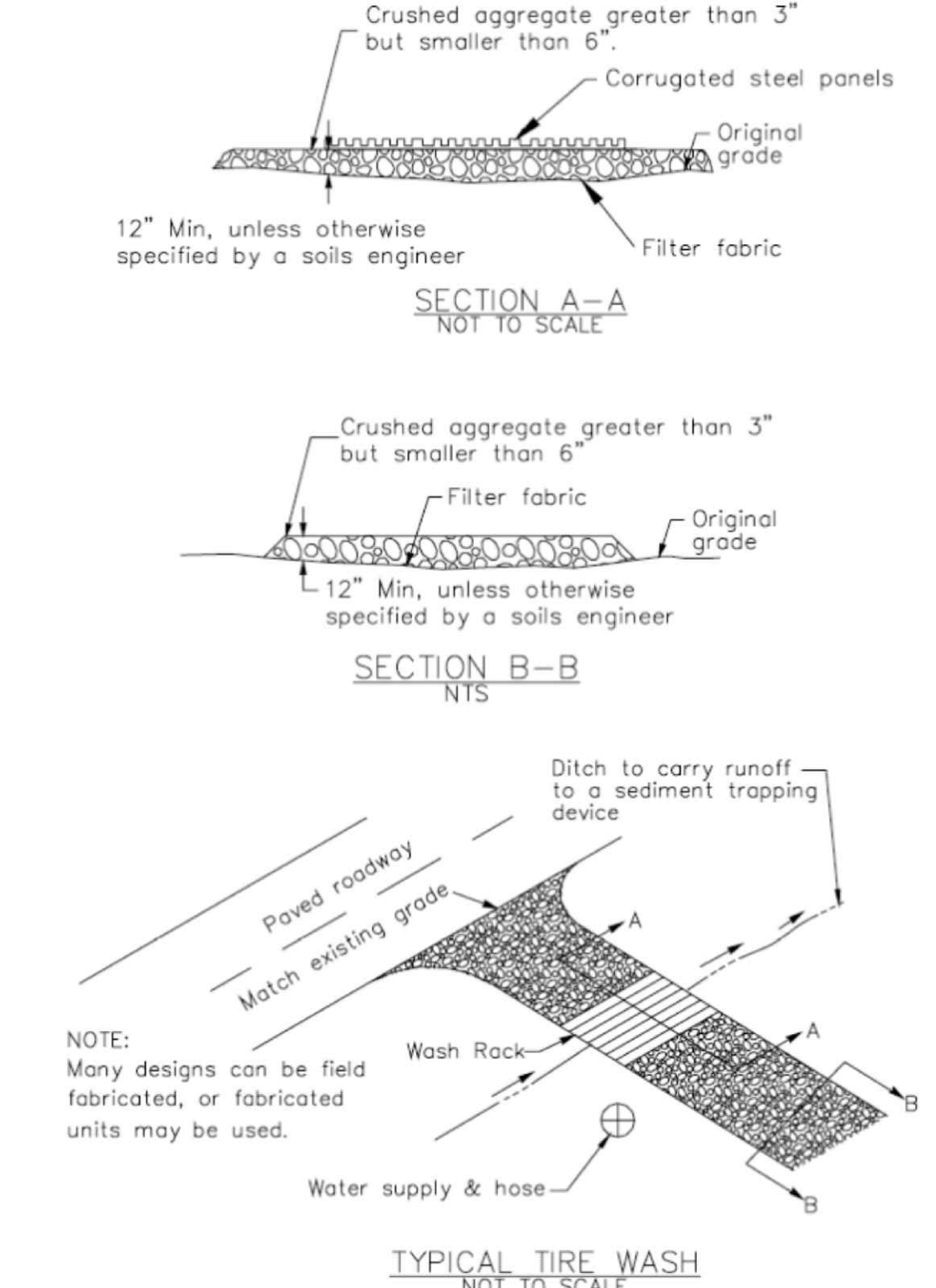
7 Geotextiles and Mats CASQA Detail EC-7



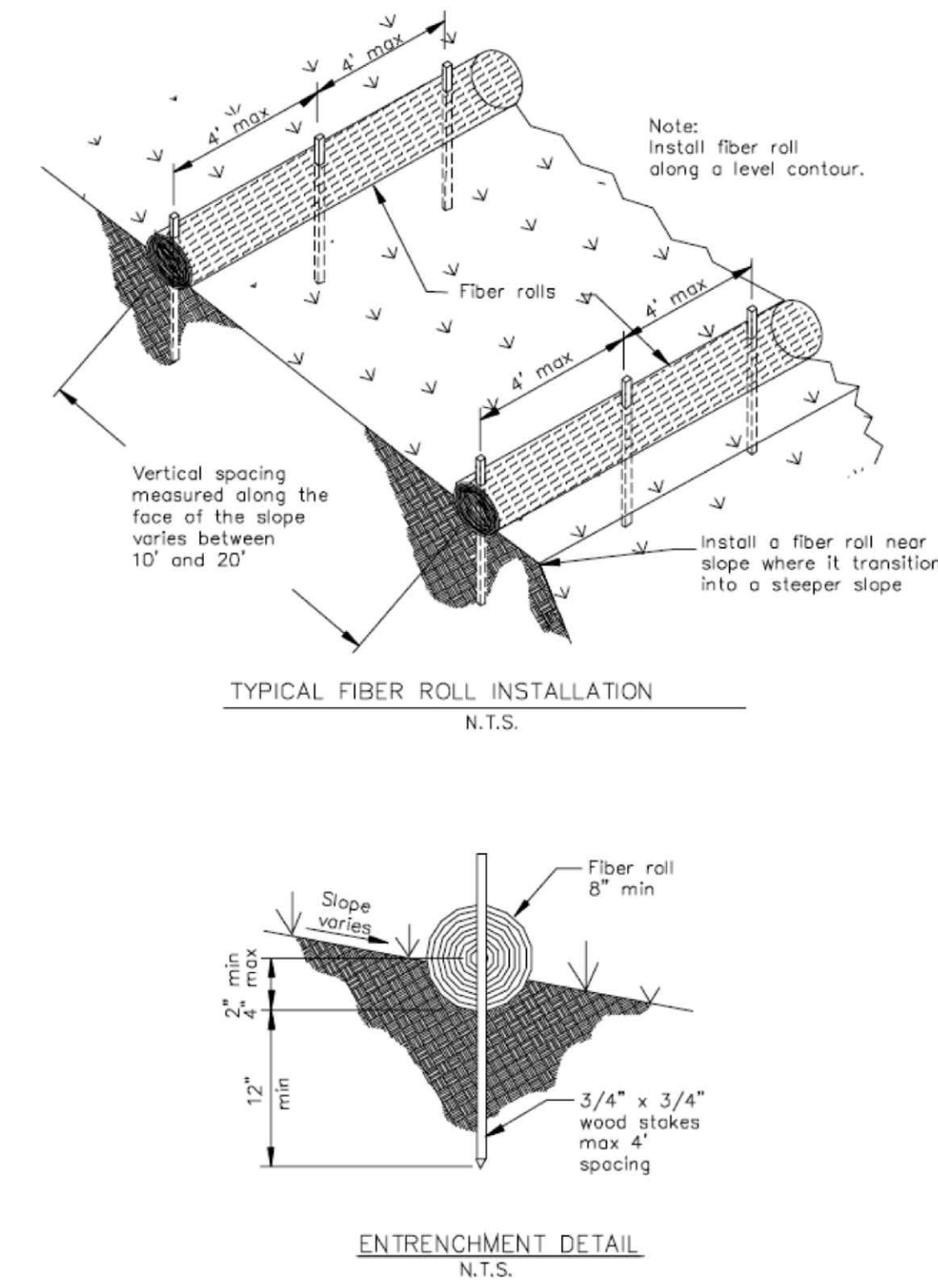
5 Geotextiles and Mats CASQA Detail EC-7



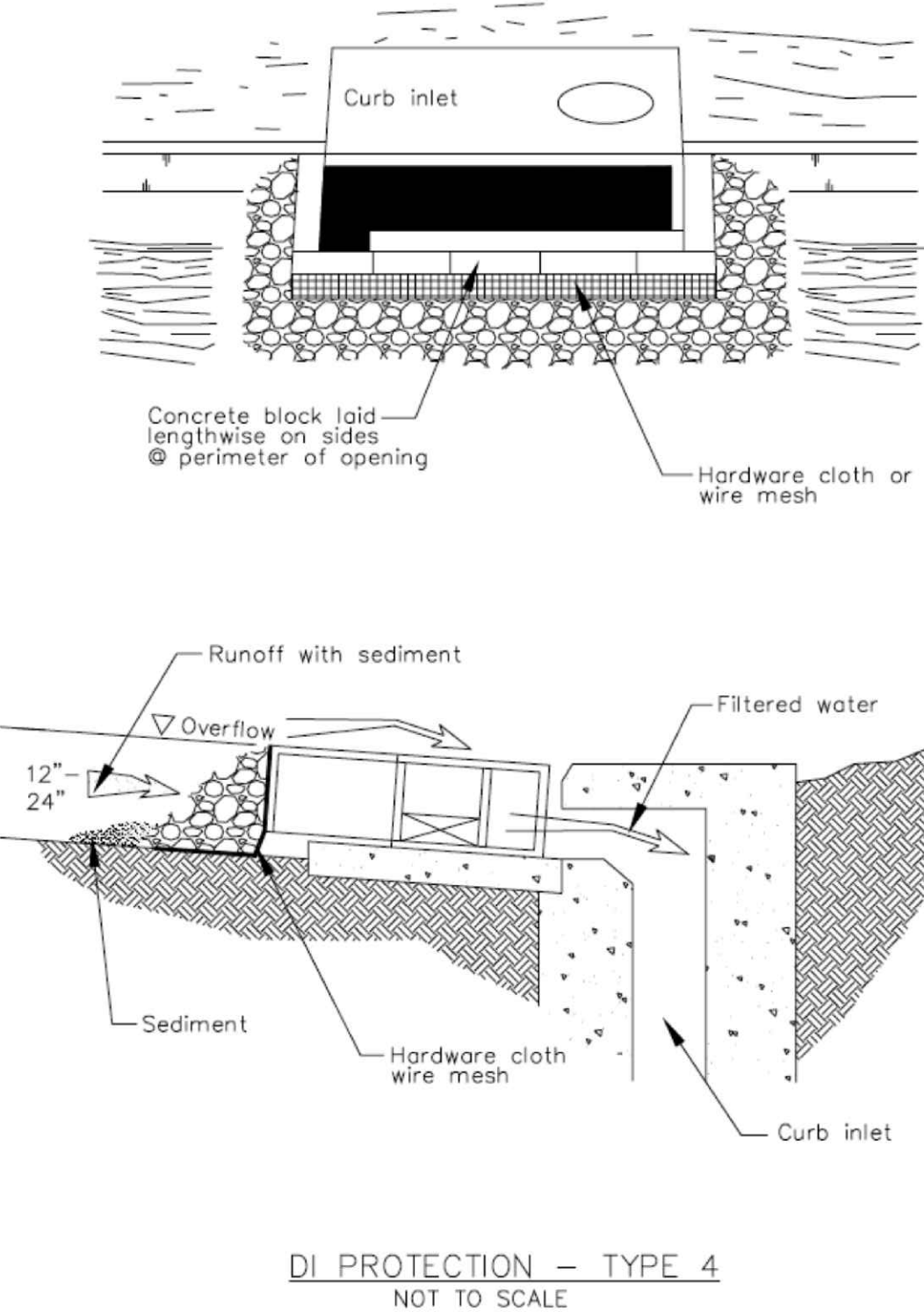
3 Entrance/Outlet Tire Wash CASQA Detail TC-3



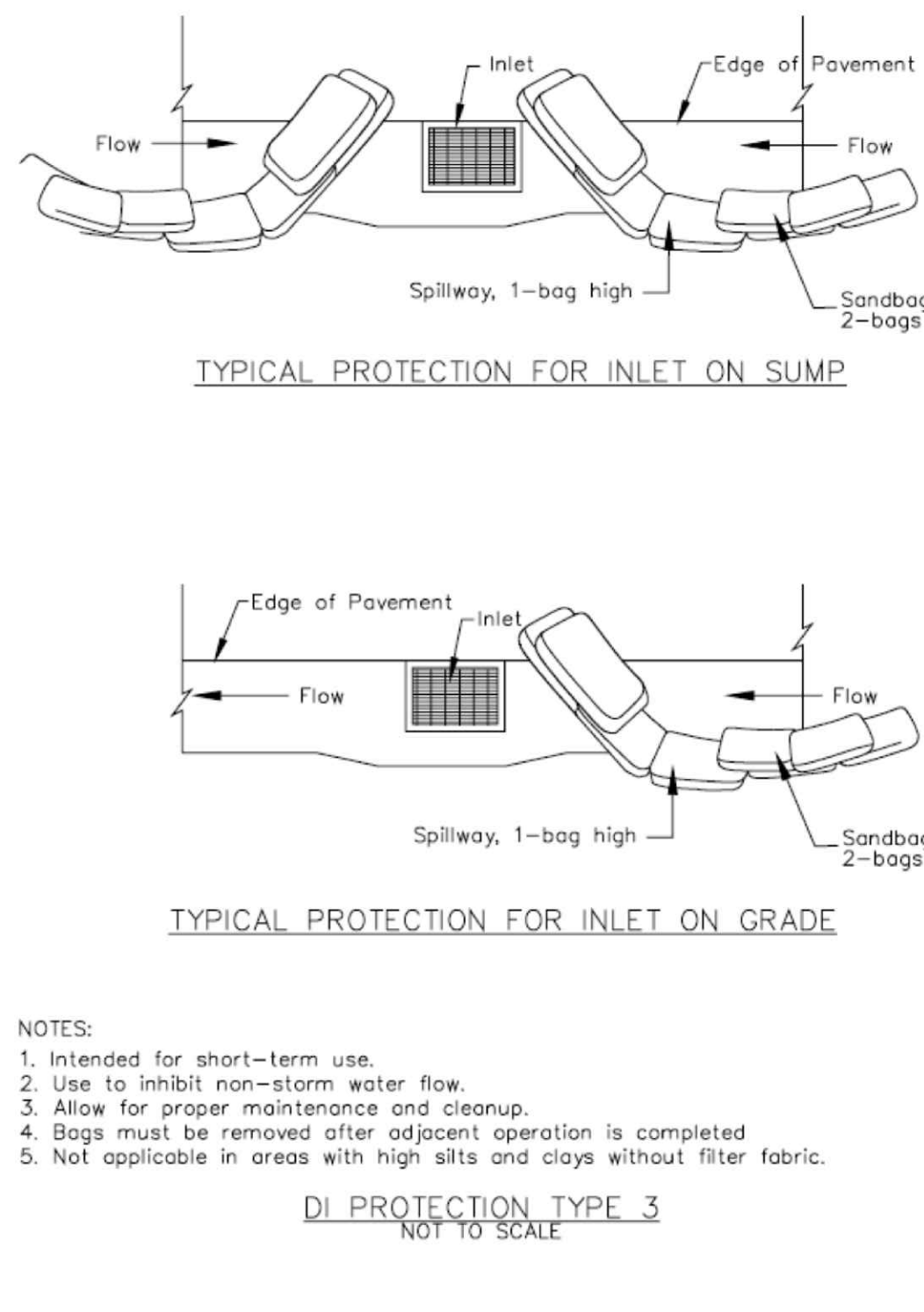
1 Fiber Rolls CASQA Detail SE-5



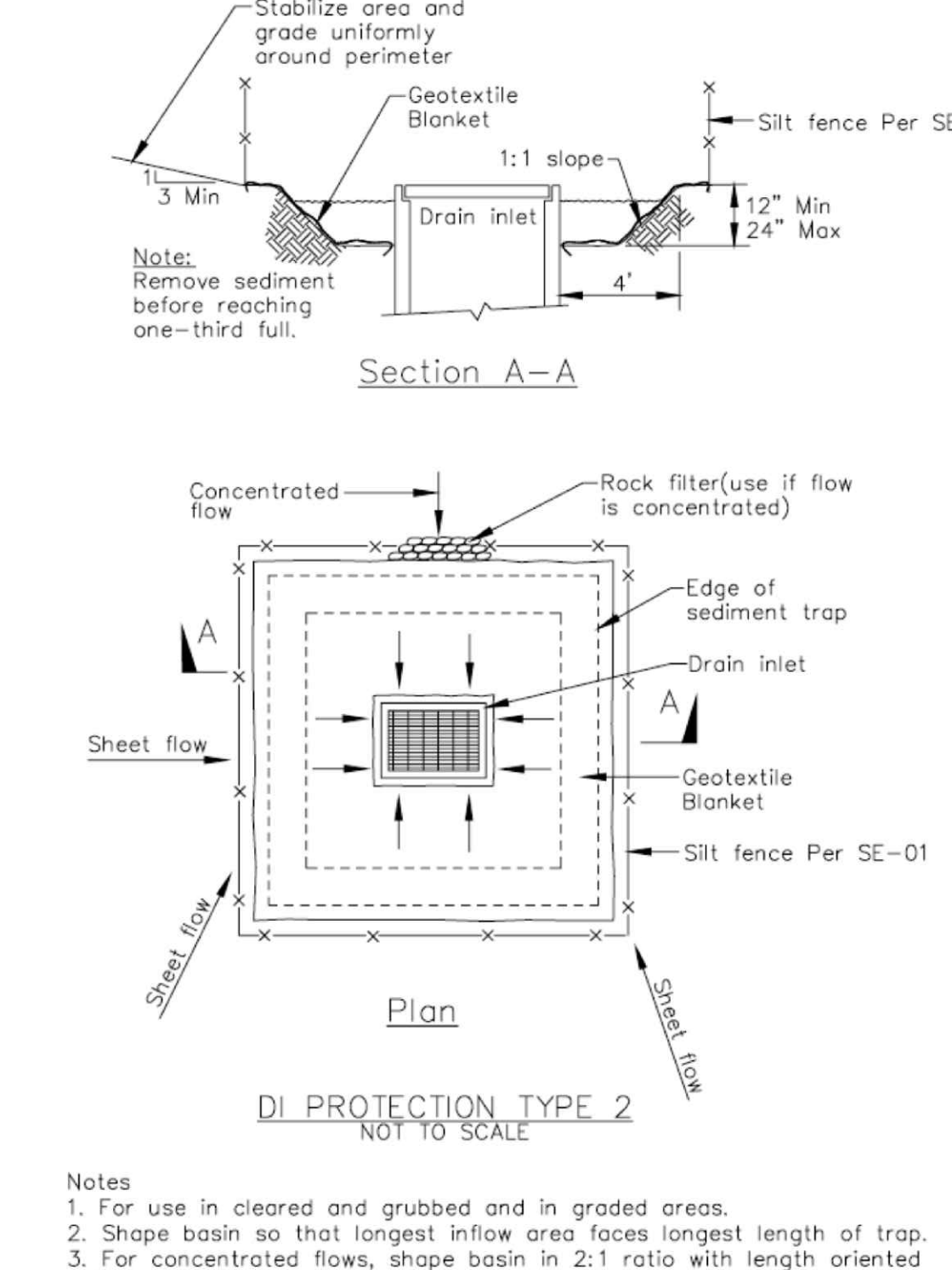
8 Storm Drain Inlet Protection CASQA Detail SE-10



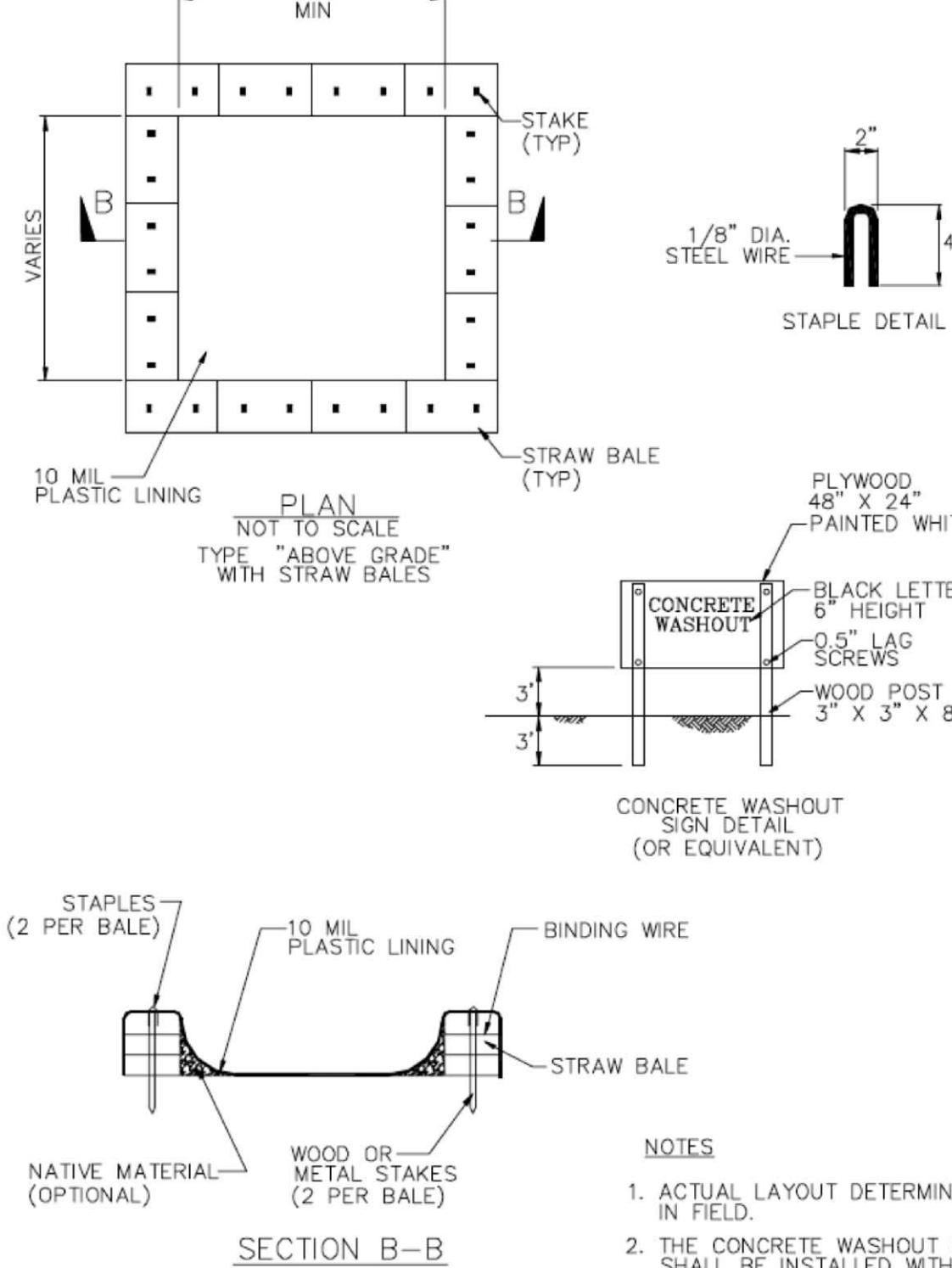
6 Storm Drain Inlet Protection CASQA Detail SE-10



4 Storm Drain Inlet Protection CASQA Detail SE-10



2 Concrete Waste Management CASQA Detail WM-8



Source for Graphics: California Stormwater BMP Handbook, California Stormwater Quality Association, January 2003. Available from www.cabmphandbooks.com.

Best Management Practices and Erosion Control Details Sheet 2 County of Santa Clara



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PROJECT TITLE:
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SHEET TITLE:
**BEST MANAGEMENT
PRACTICES &
EROSION CONTROL
DETAILS**

SCALE:

ARCHITECTURAL ABBREVIATIONS

Table of architectural abbreviations including terms like ANCHOR BOLT, ASPHALT CONCRETE, ACUSTICAL, etc.

Table of architectural abbreviations including terms like JANITOR, JOIST HANGER, JOINT, KILN DRIED, etc.

Table of architectural abbreviations including terms like QUARRY TILE, QUARTER, QUANTITY, RISER, etc.

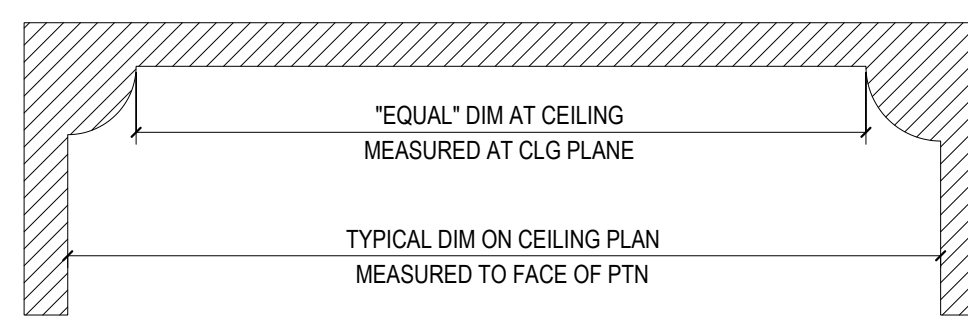
ARCHITECTURAL GENERAL NOTES

- 1. THE FOLLOWING GENERAL NOTES APPLY TO ALL ARCHITECTURAL DRAWINGS. FOR NOTES APPLICABLE TO ALL DRAWINGS OF ALL DISCIPLINES, REFER TO THE "PROJECT GENERAL NOTES" - SEE SHEET G.2.

- 5. ADDITIONAL SYMBOLS, NOT SHOWN OR DEFINED ON THIS SHEET MAY OCCUR AND ARE DEFINED ON OTHER ARCHITECTURAL DRAWINGS.

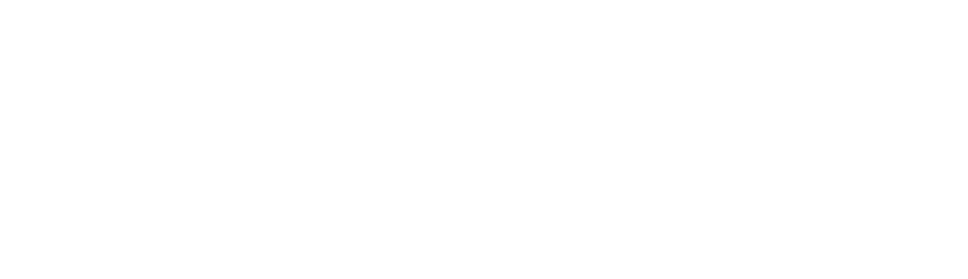
ARCHITECTURAL DIMENSIONING CONVENTIONS

- 1. EXCEPT WHERE DIRECTED TO PLACE ITEMS OF THE WORK AT THE "APPROXIMATE LOCATION SHOWN," DO NOT SCALE DRAWINGS FOR DIMENSIONAL INFORMATION.



WHERE DIMENSIONS ARE NOT PROVIDED ON THE FLOOR PLANS TO LOCATE DOOR OPENINGS, APPLY THE FOLLOWING RULES, IN ORDER, TO DETERMINE THE LOCATION OF THE DOOR OPENINGS:

- A. DIMENSIONS UTILIZING THE "CENTER LINE" SYMBOL ARE MEASURED TO: - STRUCTURAL OR DIMENSIONAL GRID LINES.



ARCHITECTURAL LEGEND

Architectural legend containing symbols and keys for datum points, doors, windows, room identification, and exterior elevations.



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PROJECT TITLE:

SCC STANDARD
ADU - 1200 SF

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COUNTY PERMIT # DEV2X-XXXX
DATE: Issue Date

ABBREVIATIONS,
SYMBOLS, AND
CONVENTIONS

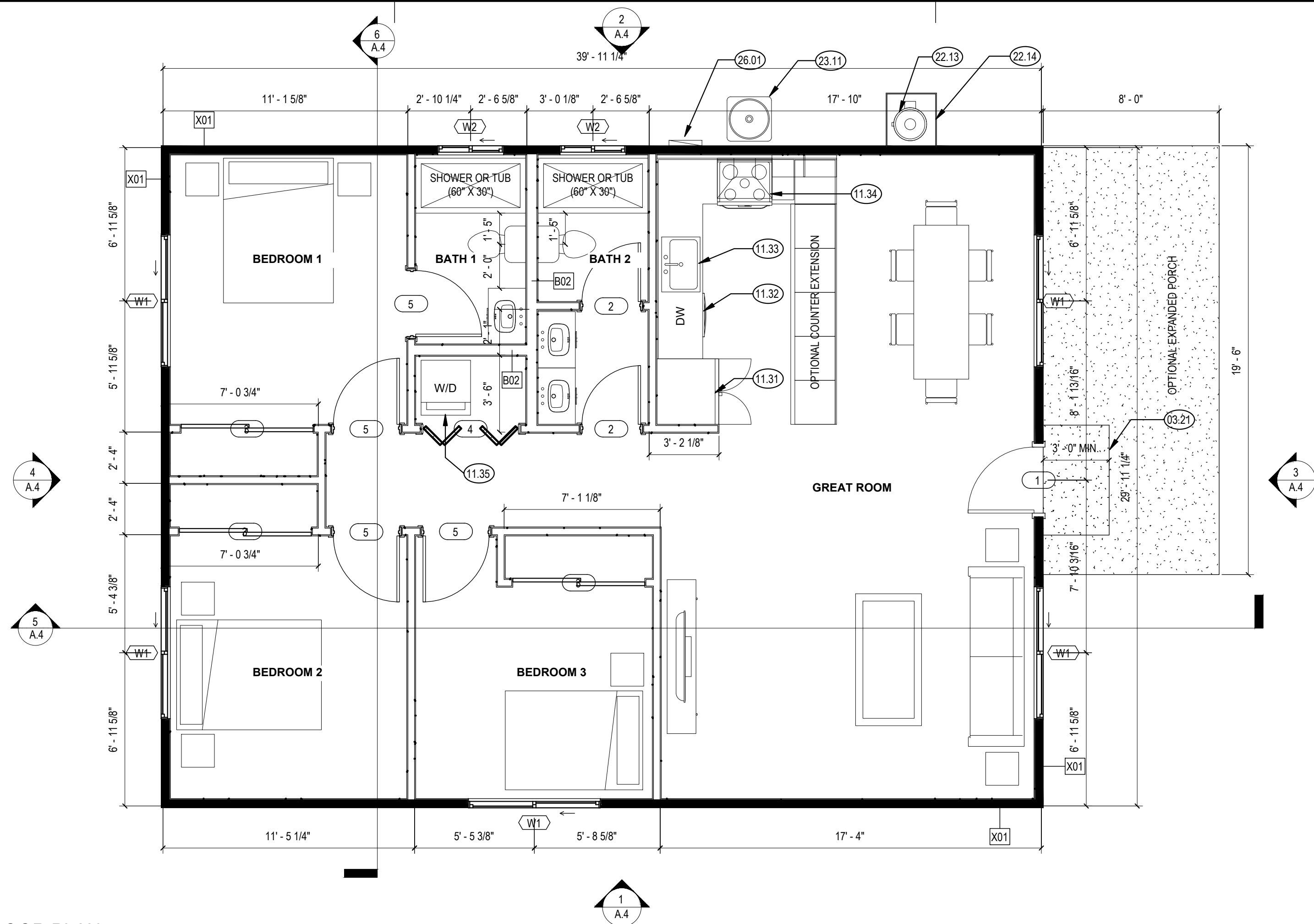
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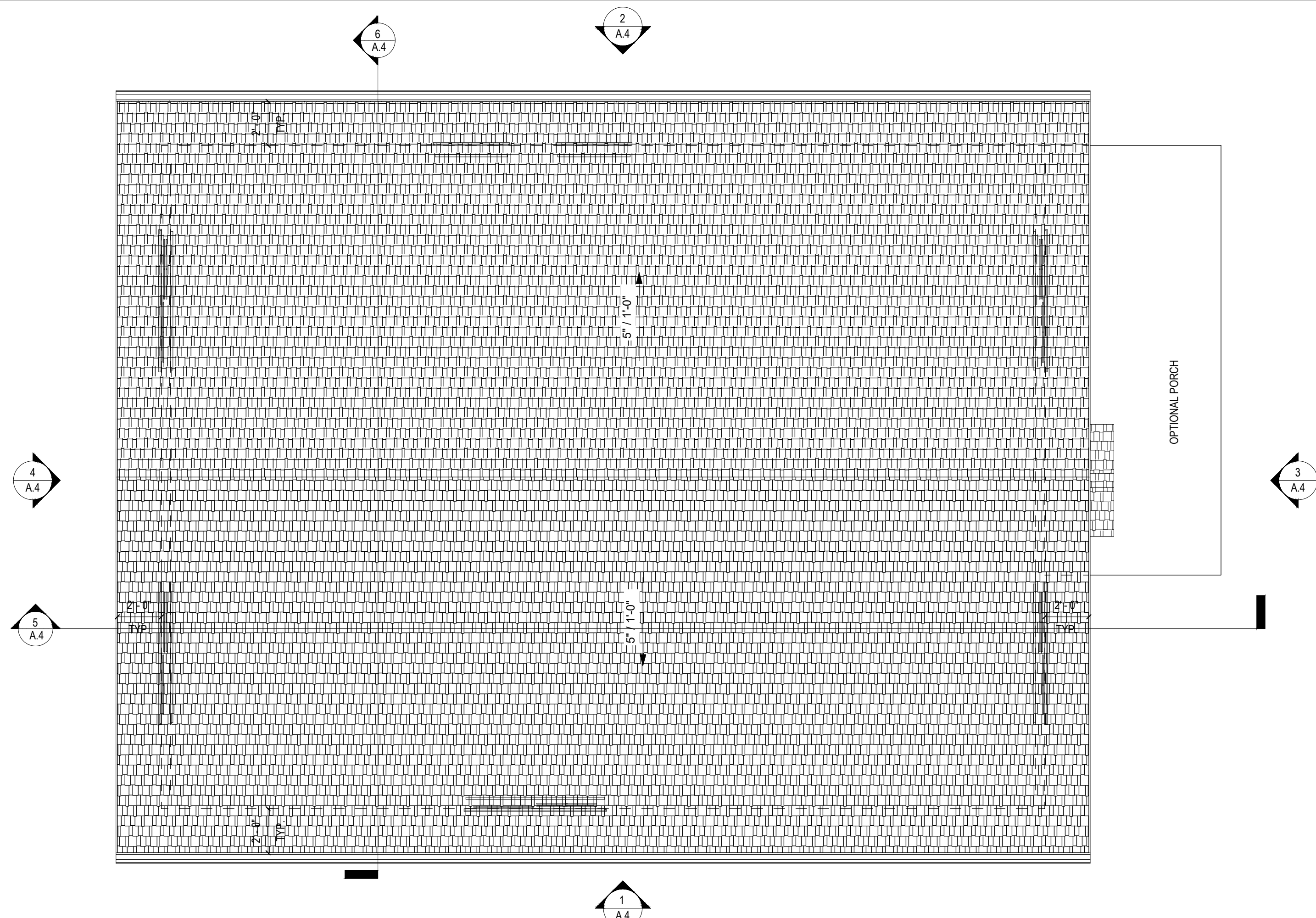
THE COUNTY OF SANTA CLARA

70 West Hedding Street
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1 FLOOR PLAN
1/4" = 1'-0"



2 ROOF PLAN
1/4" = 1'-0"



DOOR SCHEDULE AND NOTES

- ALL DOOR GLAZING SHALL COMPLY WITH CRC R308.
- ALIGN HEAD OF INTERIOR DOORS WITH HEAD OF EXTERIOR DOORS AND WINDOWS IN EACH ROOM, TYP. UNO.
- FIELD VERIFY ROUGH OPENING DIMENSIONS WITH DOOR MANUFACTURER PRIOR TO FRAMING AND ORDERING.
- FIELD VERIFY JAMB DEPTH DIMENSIONS WITH FINISH MATERIALS AND SHEAR PLYWOOD REQUIREMENTS PRIOR TO ORDERING.
- ALL PAINTED INTERIOR WOOD SURFACES SHALL BE FACTORY PRIMED.
- ALL GLAZED DOORS, FRENCH DOORS, AND ADJACENT SIDELIGHTS WITHIN 24" OF DOORS SHALL HAVE TEMPERED SAFETY GLAZING.
- EXTERIOR LANDINGS OR FLOORS SHALL NOT BE MORE THAN 7-3/4" BELOW FRONT DOOR THRESHOLD PER CRC R311.3.1
- EXTERIOR LANDING MINIMUM WIDTH SHALL NOT BE LESS THAN THE DOOR SERVED (36") AND SHALL HAVE A MINIMUM DIMENSION OF 36" MEASURED IN THE DIRECTION OF TRAVEL. (CRC R311.3)
- A MINIMUM OPENING OF 100 SQUARE INCHES FOR MAKE UP AIR SHALL BE PROVIDED IN THE LAUNDRY DOOR OR BY OTHER APPROVED MEANS PER CMC 504.4.1

DOOR SCHEDULE				
TYPE MARK	WIDTH	HEIGHT	REMARKS	
1	3'-0"	6'-8"	EXTERIOR ENTRANCE DOOR	
2	2'-8"	6'-8"	SWING DOOR	
3	6'-0"	6'-8"	SLIDING CLOSET DOOR	
4	4'-4"	6'-8"	BI-FOLD LAUNDRY CLOSET DOOR	
5	3'-0"	6'-8"	SWING DOOR	

WINDOW SCHEDULE AND NOTES

- ALL SAFETY GLAZING SHALL COMPLY WITH CRC R308
- EMERGENCY EGRESS OPENINGS FOR THE SLEEPING ROOM MUST BE MINIMUM 20" WIDE AND 24" HIGH WITH A MINIMUM CLEAR OPENING OF 5.7 SF AND THE BOTTOM OF THE OPENING IS NO MORE THAN 44" ABOVE THE FINISH FLOOR IN EACH OF THE SLEEPING ROOMS (R310 CRC).
- SEE WINDOW TYPES FOR HEAD/SILL HEIGHT
- SEE FLOOR PLANS FOR WINDOW SWING DIRECTION
- FIELD VERIFY ROUGH OPENING DIMENSIONS WITH WINDOW MANUFACTURER PRIOR TO ORDERING
- COORDINATE LIGHT MULLION AND MUNTIN PATTERNS WITH WINDOW TYPES AND EXTERIOR ELEVATIONS PRIOR TO ORDERING
- WINDOW LESS THAN 60" ABOVE SHOWER F.F. SHALL BE TEMPERED GLAZING PER CRC R304

WINDOW SCHEDULE					
TYPE MARK	WIDTH	HEIGHT	HEAD HEIGHT	SILL HEIGHT	REMARKS
W1	6'-0"	4'-0"	6'-8"	2'-8"	
W2	3'-0"	1'-6"	6'-8"	5'-2"	TEMPERED IF SILL HEIGHT BELOW 60" F.F.

ATTIC VENTILATION CALCULATIONS

AREA (A)	PER CRC R806	
	VENTILATION REQUIRED A/150 = REQUIRED	VENTILATION PROVIDED
1200 SF	1200 SF / 150 X 144 IN/SF = 1152 SQ.IN. REQ. = 576 SQ.IN. INTAKE NFVA & 576 SQ.IN. EXHAUST NFVA	INTAKE NFVA (22 1/4" X 3 1/2" EAVE VENT) 79.19 SQ.IN. X 8 BAYS = 633.5 SQ.IN. EXHAUST NFVA (RIDGE VENT) 18" X 32 LINEAL FEET = 576 SQ.IN.

FLOOR PLAN SHEET NOTES

- REFER TO GENERAL NOTES SHEET G.2 FOR ADDITIONAL REQUIREMENTS.
- REFER TO STRUCTURAL PLANS FOR FURTHER INFORMATION.
- REFER TO MECHANICAL, ELECTRICAL & PLUMBING PLANS FOR FURTHER INFORMATION
- ALL FURNITURE AND EQUIPMENT IS BY OWNER AND IS SHOWN FOR COORDINATION PURPOSES ONLY.
- REFER TO SHEET A.5 FOR WALL TYPES. ALL INTERIOR WALLS TO BE B01 UNO.
- DIMENSIONS ARE TO FACE OF FRAMING UNO.
- PROVIDE ADEQUATE BLOCKING IN WALLS FOR CABINETS AND OTHER WALL MOUNTED ACCESSORIES INCLUDING BUT NOT LIMITED TO HANDRAILS, SHELVING AND BATHROOM FIXTURES.
- 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 OR 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 RATINGS.
- 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).
- PER CRC 327.1.1 REINFORCEMENT FOR GRAB BARS SHALL BE PROVIDED IN AT LEAST ONE BATHROOM.
 - REINFORCEMENT SHALL BE SOLID LUMBER OR OTHER CONSTRUCTION MATERIALS APPROVED BY THE ENFORCING AGENCY.
 - REINFORCEMENT SHALL NOT BE LESS THAN 2X8 INCH NOMINAL LUMBER OR OTHER MATERIAL PROVIDING EQ. HT. AND CAPACITY. REINFORCEMENT ABOVE THE FINISHED FLOOR FLUSH WITH THE WALL FRAMING.
 - WATER CLOSET REINFORCEMENT SHALL BE INSTALLED ON BOTH SIDE WALLS OF THE FIXTURE, OR ONE SIDE WALL AND THE BACK WALL.
 - SHOWER REINFORCEMENT SHALL BE CONTINUOUS WHERE WALL FRAMING IS PROVIDED.
 - BATHTUB AND COMBINATION BATHTUB/SHOWER REINFORCEMENT SHALL BE CONTINUOUS ON EACH END OF THE BATHTUB AND THE BACK WALL. ADDITIONALLY, BACK WALL REINFORCEMENT FOR A LOWER GRAB BAR SHALL BE PROVIDED WITH THE BOTTOM EDGE LOCATED NO MORE THAN 6 INCHES ABOVE THE BATHTUB RIM.
- BATHTUB AND SHOWER FLOORS AND WALLS ABOVE BATHTUBS WITH INSTALLED SHOWER HEADS AND IN 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 PER CRC, SECTION R307.2.
- EXTERIOR WALLS (CRC R302.1):
 - WITH SPRINKLERS: < 3 FEET FROM PROPERTY LINE, REQUIRE 1-HOUR FIRE RATING FOR EXPOSURE TO BOTH SIDES
 - WITHOUT SPRINKLERS: < 5 FEET FROM PROPERTY LINE, REQUIRE 1-HOUR FIRE RATING FOR EXPOSURE TO BOTH SIDES
- PROJECTIONS (CRC R302.1):
 - PROHIBITED WITHIN 2 FEET OF PROPERTY LINE
 - WITH SPRINKLERS: 1-HOUR FIRE RATING ON THE UNDERSIDE < 2 FEET TO < 3 OF PROPERTY LINE
 - WITHOUT SPRINKLERS: 1-HOUR FIRE RATING ON THE UNDERSIDE ≥ 2 FEET TO < 5 FEET OF PROPERTY LINE
- OPENINGS (CRC R302.1):
 - PROHIBITED WITHIN 3FT OF PROPERTY LINE
 - WITHOUT SPRINKLERS: MAXIMUM 25% OF WALL AREA < 3 FEET TO < 5 FEET OF PROPERTY LINE
- PENETRATIONS (CRC R302.1):
 - WITH SPRINKLERS: < 3 FEET FROM PROPERTY LINE, COMPLY WITH CRC R302.4
 - WITHOUT SPRINKLERS: < 3 FEET FROM PROPERTY LINE, COMPLY WITH CRC R302.4
- ATTIC ACCESS SHALL BE WEATHER-STRIPPED TO PREVENT AIR LEAKAGE AND SHALL HAVE PERMANENTLY ATTACHED INSULATION USING ADHESIVE OR MECHANICAL FASTENERS
- APPLICANT TO INDICATE ON THE PLANS THE TYPE, LOCATION, AND SIZE OF BUILDING ADDRESS, WHICH MUST BE CLEARLY VISIBLE AND LEGIBLE FROM THE ADJACENT PUBLIC WAY OR STREET. ADDRESS LETTERS/NUMBERS SHALL BE ARABIC NUMBERS OR ALPHABETICAL LETTERS, MINIMUM 4 INCHES HIGH, WITH A MINIMUM STROKE WIDTH OF 1/2 INCH, AND SHALL CONTRAST WITH THEIR BACKGROUND PER CRC R319.1

FLOOR PLAN KEYNOTES

- 03.21 CONCRETE LANDING, 4" THICK, MINIMUM DIMENSIONS PER CRC R311.3, SEE DOOR SCHEDULE NOTE H
- 11.31 REFRIGERATOR LOCATION. PROVIDE 36" WIDE SPACE WITH ROUGH PLUMBING FOR ICE MAKER (RECESS IN WALL)
- 11.32 24" WIDE DISHWASHER
- 11.33 30" WIDE KITCHEN SINK WITH GARBAGE DISPOSAL
- 11.34 30" WIDE FREE STANDING ELECTRIC RANGE OVEN, RANGE HOOD/MICROWAVE COMBO INSTALLED ABOVE. VENT TO EXTERIOR.
- 11.35 STACKED WASHER/DRYER MACHINE LOCATION. PROVIDE WASTE WATER IN RECESSED WALL BOX. IF NOT USING HEAT PUMP DRYER, PROVIDE DRYER VENT, VENT TO OUTSIDE AIR.
- 22.13 HEAT PUMP WATER HEATER PER CF1R REPORT. PER CPC 507.25, WATER HEATERS INSTALLED OUTDOORS SHALL BE LISTED FOR OUTDOOR INSTALLATION OR PROVIDED WITH PROTECTION TO THE DEGREE THE ENVIRONMENT REQUIRES AND SHALL BE INSTALLED IN ACCORDANCE WITH ITS LISTING. PROVIDE CONCRETE PAD 3" MIN. ABOVE GRADE. REFER TO TITLE 24 AND PRODUCT SPECIFICATIONS AND REQUIREMENTS FOR ADDITIONAL INFORMATION.
- 22.14 EXAMPLE GALVANIZED STEEL HEAT PUMP WATER HEATER ENCLOSURE COMPLIANT WITH CPC 507.25 FOR APPLIANCE NOT LISTED FOR OUTDOOR INSTALLATION.
- 23.11 CONDENSER UNIT. REFER TO TITLE 24 FOR ADDITIONAL INFORMATION. PROVIDE CONCRETE PAD MIN. 6" LARGER THAN UNIT IN EACH DIRECTION, 3" MIN. ABOVE GRADE. PROVIDE PROTECTION PER CPC 507.25 & CMC 305.1.1
- 26.01 ELECTRIC PANEL LOCATION. PROVIDE PROTECTION PER CPC 507.25 & CMC 305.1.1.

NO. DATE REVISIONS

NO.	DATE	REVISIONS

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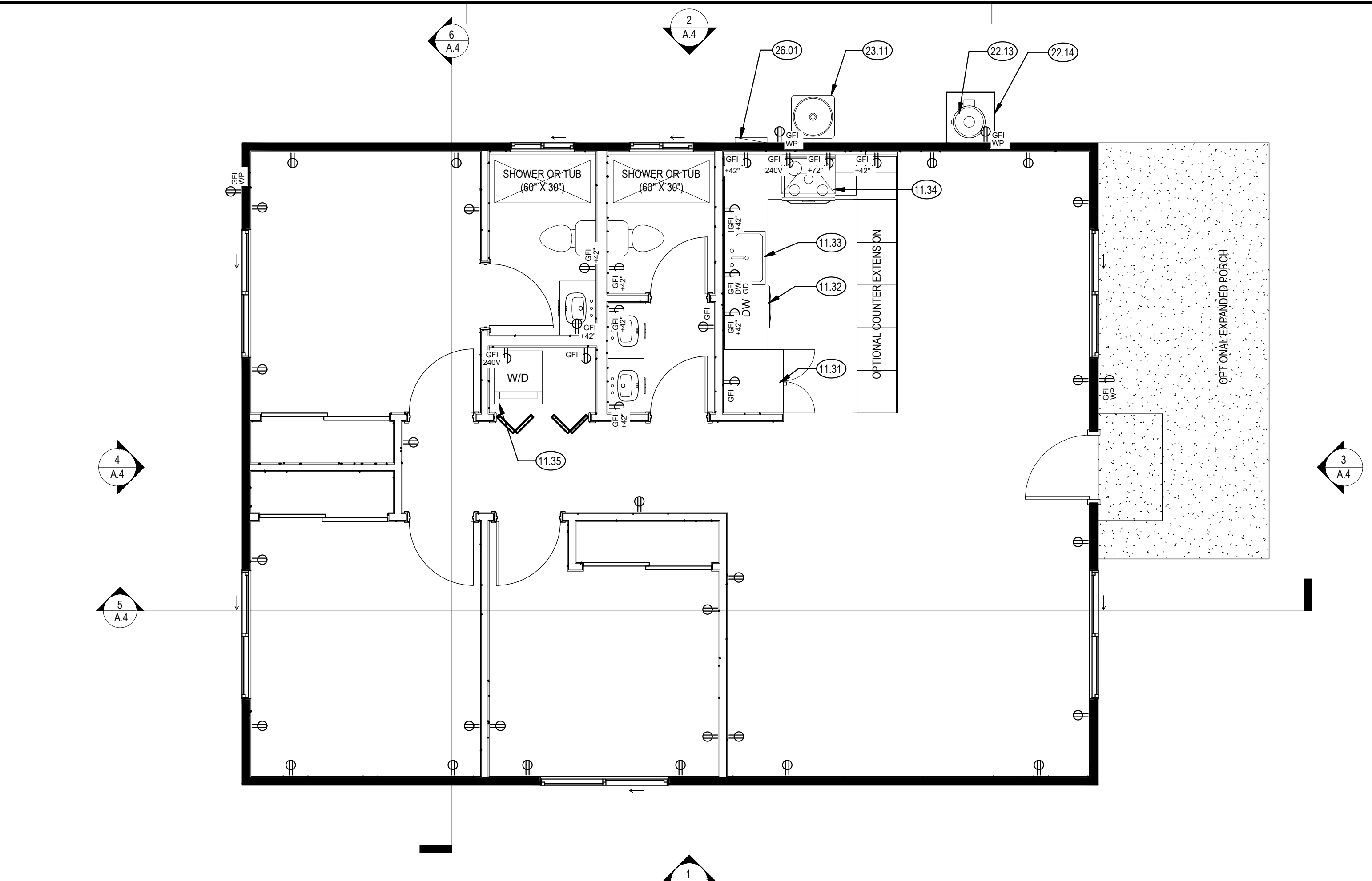
FLOOR PLAN &
ROOF PLAN

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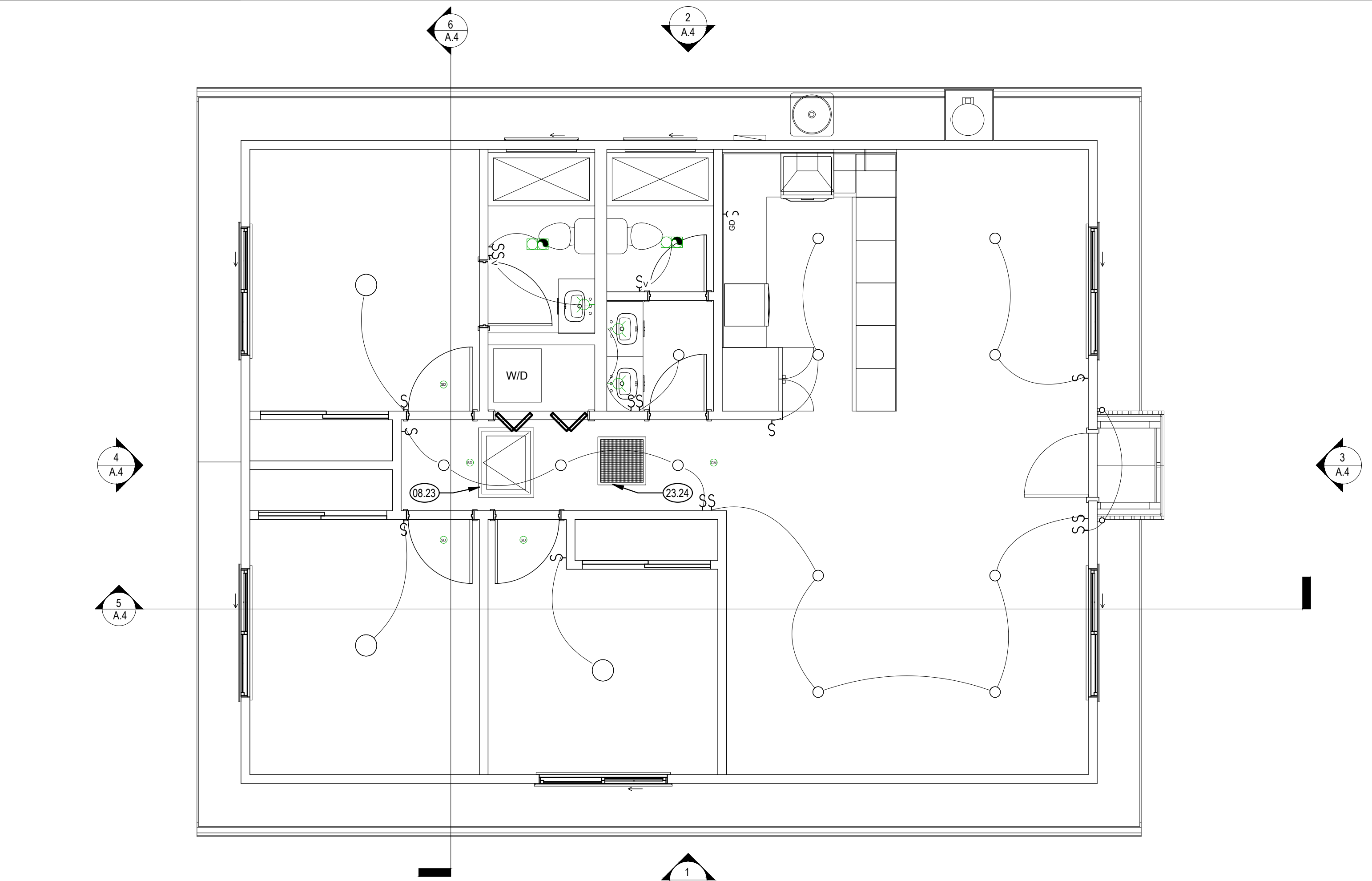


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1 MEP FLOOR PLAN
1/4" = 1'-0"



2 MEP REFLECTED CEILING PLAN
1/4" = 1'-0"

ELECTRICAL NOTES

- CONFORM WITH CURRENT NEC, NFPA, MFR'S, AND LOCAL REQUIREMENTS.
- PROVIDE GFCI PROTECTED OUTLETS AT ALL KITCHEN COUNTERTOPS, BATHROOM COUNTERTOPS, OUTDOOR LAUNDRY AREAS, DISHWASHERS, OUTDOOR LOCATIONS, AND REQUIRED LOCATIONS PER CEC 210.8. ALL BATHROOM RECEPTACLE OUTLETS SHALL BE SUPPLIED BY A MINIMUM OF ONE 120-VOLT, 20-AMPERE BRANCH CIRCUIT. SUCH CIRCUITS SHALL HAVE NO OTHER OUTLETS. THIS DEDICATED CIRCUIT MAY SERVE MORE THAN ONE BATHROOM. (CEC 210.11(C))
- ALL ELECTRICAL OUTLETS INSTALLED IN BATHROOMS, GARAGES, LAUNDRY AREAS, BASEMENTS, CRAWL SPACES, OUTDOOR KITCHEN COUNTERS, AND AT WET BAR SINKS SHALL HAVE GROUND FAULT CIRCUIT INTERRUPTER PROTECTION IN COMPLIANCE WITH NEC 411.210-8, CONSISTING OF 125 VOLT, SINGLE-PHASE, 15- AND 20- AMPERE RECEPTABLES.
- KITCHEN COUNTERTOP RECEPTABLES SHALL BE INSTALLED SO THAT NO POINT ALONG THE WALL LINE IS MORE THAN 24" FROM AN OUTLET.
- PROVIDE (2) TWO 20 AMP SMALL APPLIANCE CIRCUITS IN KITCHEN.
- PROVIDE SEPARATE CIRCUIT FOR ELECTRIC RANGE AS REQUIRED BY CEC 210.19.
- PROVIDE SEPARATE CIRCUIT FOR RANGE HOOD OR MICROWAVE/HOOD UNIT.
- PROVIDE SEPARATE CIRCUIT FOR DISHWASHER. DISHWASHER RECEPTACLE MUST BE ACCESSIBLE AND GFCI PROTECTED.
- PROVIDE SEPARATE CIRCUIT FOR GARBAGE DISPOSAL, IF USED, AND SHALL BE GFCI PROTECTED.
- PROVIDE SEPARATE CIRCUIT AT LOCATIONS OF ELECTRIC DRYERS PER CEC 220.54.
- PROVIDE SEPARATE CIRCUIT AT LOCATIONS OF ELECTRIC WATER HEATERS PER CEC 422.13.
- ELECTRICAL SYSTEM GROUND TO BE PROVIDED PER NEC ARTICLE 250-81.
- ALL MATERIALS TO BE U.L. LABELED.
- METER IS NOT REQUIRED. IF IT IS PROVIDED FOR ADU, MAIN PANEL IS REQUIRED FOR ADU WITH MINIMUM OF 225 AMP BUS-BAR. IF MAIN PANEL IS NOT PROVIDED FOR ADU, ELECTRICAL PERMIT SHALL BE FULFILLED FOR THE PRIMARY RESIDENCE WITH ELECTRICAL LOAD CALCULATIONS. METER: "SQUARE D", 120 VOLT/240 VOLT, 1 AND 3 WIRE GROUND OR EQUAL.
- IF PROVIDED, ELECTRICAL MAIN PANEL: FLUSH MOUNT, 30" CLEARANCE, 200 AMP WITH 225 AMP BUS-BAR.
- CONDUCTORS: TW, THW, COPPER, MINIMUM 14 AT LIGHTING, 12 AT OTHER CIRCUITS.
- ALL LUMINAIRES SHALL COMPLY WITH CEC SECTION 150.0 (K) AND TABLE 150.0-A
- AT LEAST ONE LIGHT FIXTURE IN BATHROOMS SHALL BE CONTROLLED BY VACANCY SENSOR PER CEC 150.0(K)(2)
- THERMOSTAT SHALL BE A PROGRAMMABLE TYPE
- ALL LUMINAIRES, LAMP HOLDERS, AND RETROFIT KITS SHALL BE LISTED (CEC 410.6)
- ALL 120-VOLT, SINGLE PHASE 15- AND 20- AMPERE BRANCH CIRCUITS SUPPLYING OUTLETS INSTALLED IN DWELLING UNIT KITCHENS, FAMILY ROOMS, LIVING ROOMS, DINING ROOMS, PARLORS, LIBRARIES, DEN, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS OR SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY A LISTED ARC-FAULT CIRCUIT INTERRUPTER, COMBINATION-TYPE, INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT. (CEC 210-12(A))
- ALL NON-LOCKING TYPE 125-VOLT, 15 AND 20 AMPERE RECEPTABLES IN A DWELLING UNIT SHALL BE LISTED TAMPER-RESISTANT RECEPTABLES. EXCEPTIONS: (1) RECEPTABLES MORE THAN 5' ABOVE THE FLOOR, (2) RECEPTABLES PART OF A LUMINAIRE OR APPLIANCE, (3) A SINGLE RECEPTACLE OR A DUPLEX RECEPTACLE FOR TWO APPLIANCES THAT ARE NOT EASILY MOVED AND LOCATED WITHIN DEDICATED SPACE AND ARE CHORD-AND-PLUG CONNECTED AS PER CEC 400.10, AND (4) NON-GROUNDING RECEPTABLES USED FOR REPLACEMENTS AS PERMITTED IN CEC 406.4(D)(2)(A).
- HIGH EFFICACY LUMINAIRES OTHER THAN OUTDOOR HID LIGHTING CONTAIN ONLY ONLY HIGH EFFICACY LAMPS AS OUTLINED IN TABLE 150-C OF THE RESIDENTIAL ENERGY CODE AND NOT CONTAIN A MEDIUM SCREW BASE SOCKET.
- BALLAST FOR LAMPS 13 WATTS OR GREATER SHALL BE ELECTRONIC AND HAVE AN OUTPUT FREQUENCY NO LESS THAN 20 kHz.
- SMOKE DETECTORS SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING AND PROVIDED WITH A BATTERY BACK-UP. ALL SMOKE DETECTORS SHALL BE INTERCONNECTED. ALL SMOKE DETECTORS SHALL MAINTAIN A MINIMUM 3 FOOT CLEARANCE TO HVAC SUPPLY OR RETURN AIR REGISTERS.
- CARBON MONOXIDE ALARMS SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING AND PROVIDED WITH A BATTERY BACK-UP. ALL CARBON MONOXIDE ALARMS SHALL BE INTERCONNECTED.
- EXHAUST FANS WILL BE CONTROLLED BY A HUMIDISTAT PER THE GREEN BUILDING STANDARDS CODE SECTION 4.506. EXHAUST FANS MUST BE SWITCHED SEPARATELY FROM LIGHTS (CEC 150.0(K)(2)).
- IN ADDITION TO THE NUMBER OF BRANCH CIRCUITS REQUIRED BY OTHER PARTS OF THE CODE, TWO OR MORE 20-AMPERE SMALL-APPLIANCE BRANCH CIRCUITS SHALL BE PROVIDED FOR ALL RECEPTACLE OUTLETS IN THE KITCHEN, PANTRY, BREAKFAST ROOM, DINING ROOM, OR SIMILAR AREA PER CEC, ARTICLE 210.11 (C)(1). THE CIRCUITS SHALL HAVE NO OTHER OUTLETS PER CEC, ARTICLE 210.52(B).
- IN ADDITION TO THE NUMBER OF BRANCH CIRCUITS REQUIRED BY OTHER PARTS OF THE CODE, AT LEAST ONE ADDITIONAL 20-AMPERE BRANCH CIRCUIT SHALL BE PROVIDED TO SUPPLY THE LAUNDRY RECEPTACLE OUTLET(S) REQUIRED BY CEC, ARTICLE 210.52(F). THIS CIRCUIT SHALL HAVE NO OTHER OUTLETS PER CEC, ARTICLE 201.11(C)(2).
- PROVIDE AT LEAST ONE GFCI-PROTECTED RECEPTACLE OUTLET WITH WEATHERPROOF COVER, AT GRADE LEVEL, AT BOTH THE FRONT AND BACK OF THE DWELLING PER CEC 210.52(E)(1) & 210.8(A)(2). ADU TO BE PREPARED FOR THE INSTALLATION OF BATTERY STORAGE. THE PREWIRING SHALL BE IN ACCORDANCE WITH THE CRC AND CEC AND BE ADEQUATELY SIZED BY A LICENSED PROFESSIONAL TO ACCOMMODATE THE BACK-UP LOADS INSTALLED IN THE CRITICAL LOAD PANEL WITH A MINIMUM OF 5 KW/H.

MEP PLAN KEYNOTES

- 08.23 22' X 30' ATTIC ACCESS. ATTIC SPACE TO HOUSE HVAC UNITS AS INDICATED IN APPLICANT PROVIDED CF1R FORM (TITLE 24)
- 11.31 REFRIGERATOR LOCATION. PROVIDE 36" WIDE SPACE WITH ROUGH PLUMBING FOR ICE MAKER (RECESS IN WALL)
- 11.32 24" WIDE DISHWASHER
- 11.33 30" WIDE KITCHEN SINK WITH GARBAGE DISPOSAL
- 11.34 30" WIDE FREE STANDING ELECTRIC RANGE OVEN. RANGE HOOD/MICROWAVE COMBO INSTALLED ABOVE. VENT TO EXTERIOR.
- 11.35 STACKED WASHER/DRYER MACHINE LOCATION. PROVIDE WASTE WATER IN RECESSED WALL BOX. IF NOT USING HEAT PUMP DRYER, PROVIDE DRYER VENT. VENT TO OUTSIDE AIR.
- 22.13 HEAT PUMP WATER HEATER PER CF1R REPORT. PER CPC 507.25, WATER HEATERS INSTALLED OUTDOORS SHALL BE LISTED FOR OUTDOOR INSTALLATION OR PROVIDED WITH PROTECTION TO THE DEGREE THE ENVIRONMENT REQUIRES AND SHALL BE INSTALLED IN ACCORDANCE WITH ITS LISTING. PROVIDE CONCRETE PAD 3" MIN. ABOVE GRADE. REFER TO TITLE 24 AND PRODUCT SPECIFICATIONS AND REQUIREMENTS FOR ADDITIONAL INFORMATION.
- 22.14 EXAMPLE GALVANIZED STEEL HEAT PUMP WATER HEATER ENCLOSURE COMPLIANT WITH CPC 507.25 FOR APPLIANCE NOT LISTED FOR OUTDOOR INSTALLATION.
- 23.11 CONDENSER UNIT. REFER TO TITLE 24 FOR ADDITIONAL INFORMATION. PROVIDE CONCRETE PAD MIN. 6" LARGER THAN UNIT IN EACH DIRECTION, 3" MIN. ABOVE GRADE. PROVIDE PROTECTION PER CPC 507.25 & CMC 305.1.1
- 23.24 INDOOR AIR QUALITY (IAQ) VENTILATION FAN AND REQUIRED CFM PER APPLICANT PROVIDED TITLE 24 CERTIFICATE OF COMPLIANCE (PERFORMANCE) FORMS & CALIFORNIA ENERGY CODE SECTION 150.0(A) AND ASHRAE 62.2 PER CEC 150.0(H). COMPLIANCE WITH ASHRAE 62.2 SECTION 4.4 (CONTROL AND OPERATION) SHALL REQUIRE MANUAL SWITCHES ASSOCIATED WITH DWELLING UNIT VENTILATION SYSTEMS TO HAVE A LABEL CLEARLY DISPLAYING THE FOLLOWING TEXT, OR EQUIVALENT TEXT: "THIS SWITCH CONTROLS THE INDOOR AIR QUALITY VENTILATION FOR THE HOME. LEAVE IT ON UNLESS THE OUTDOOR AIR QUALITY IS VERY POOR."
- 26.01 ELECTRIC PANEL LOCATION. PROVIDE PROTECTION PER CPC 507.25 & CMC 305.1.1.

MEP PLAN LEGEND

- DUPLEX OUTLET (TYP MOUNTED AT 18" AFF UNO)
- DUPLEX OUTLET GROUND FAULT INTERRUPTER
- DUPLEX OUTLET FOR DISPOSAL (W/ WFCI) AND DISHWASHER (W/GFCI) (ON SEPARATE CIRCUITS)
- DUPLEX OUTLET WEATHER PROOF
- DUPLEX OUTLET 240 VOLTS
- ELECTRICAL WIRING
- SMOKE DETECTOR
- CARBON MONOXIDE DETECTOR
- RECESSED HIGH-EFFICACY LIGHT
- CEILING MOUNTED HIGH-EFFICACY LIGHT (PRE WIRE FOR CEILING FAN OPTION)
- WALL MOUNTED HIGH EFFICACY LIGHT / LIGHTED VANITY MIRROR
- EXTERIOR WALL MOUNTED MOTION LIGHT (+84" AFF)
- HIGH EFFICACY FAN/LIGHT COMBO
- WALL SWITCH
- VACANCY SENSOR SWITCH
- GARBAGE DISPOSAL SWITCH

MEP PLAN SHEET NOTES

- EXTERNALLY MOUNTED HEATING/COOLING UNITS SHALL BE SCREENED IF THEY ARE VISIBLE FROM A PUBLIC STREET. ENVIRONMENTAL AIR DUCT EXHAUST SHALL TERMINATE NOT LESS THAN 3 FT FROM WALL OPENINGS. CMC 602.2.1
- APPLIANCES NOT LISTED FOR OUTDOOR INSTALLATION BUT INSTALLED OUTDOORS SHALL BE PROVIDED WITH PROTECTION TO THE DEGREE THE ENVIRONMENT REQUIRES. APPLIANCES LISTED FOR OUTDOOR INSTALLATION SHALL BE PERMITTED TO BE INSTALLED WITHOUT PROTECTION IN ACCORDANCE WITH THE PROVISIONS OF ITS LISTING AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS PER CEC 210.11(C).
- INSTALLED AIR CONDITIONER AND HEAT PUMP SYSTEMS SHALL HAVE A CLEARANCE OF AT LEAST FIVE (5) FEET FROM THE OUTLET OF ANY DRYER SYSTEM. CEC 150.0 (H) 3.
- INSTALLED AIR CONDITIONER AND HEAT PUMP SYSTEMS SHALL BE EQUIPPED WITH LIQUID LINE DRIERS IF REQUIRED, AS SPECIFIC BY MANUFACTURER'S INSTRUCTIONS. CEC 150.0 (H) 3.

MECHANICAL NOTES

- CONFORM WITH CURRENT ADOPTED CRC, CMC, SMACNA, NFPA AND LOCAL REQUIREMENTS.
- DUCTWORK: SMACNA "LOW VELOCITY DUCT CONSTRUCTION" NFPA STANDARD #90A. ALL TRANSVERSE DUCT PLENUM AND FITTING JOINTS SHALL BE SEALED WITH PRESSURE SENSITIVE NON-CLOTH TAPE MEETING THE REQUIREMENTS OF UL 181, 181A, OR 181B, OR MASTIC TO PREVENT AIR LOSS. DUCTS SHALL BE INSULATED AS REQUIRED BY THE UMC. SEE FLOOR PLAN FOR ALL AIR AND FIREPLACES. DUCTS PENETRATING A WALL OR FLOOR-CEILING BETWEEN GARAGE & DWELLINGS TO BE MINIMUM 26 GAUGE METAL WITHOUT OPENING IN GARAGE. FIRE DAMPER REQUIRED OTHERWISE. GRILLES AND REGISTERS, DIFFUSERS, ETC. SUBJECT TO OWNERS APPROVAL. "CARNES" OR EQUAL FANS: DIRECTLY VENTED TO OUTSIDE, BACK DRAFT DAMPERS ARE REQUIRED (PER TABLE 2-53V, TITLE 24 C.A.C.).
- LAUNDRY DRYER VENT TO EXTERIOR TO BE 14 FEET MAXIMUM, LESS 2 FEET PER 90 DEGREE TURN IN EXCESS OF 2 PER CMC 504.4.2.1. IF VENT IS OVER 14' AN APPROVED POWER ASSISTED DEVICE IS REQUIRED. DRYER EXHAUST DUCT POWER VENTILATORS SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL 705 AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS PER CMC, SECTION 504.2.2.3. SEE NOTE BELOW.
- BATHROOM EXHAUST FANS (BATHROOM APPLIES TO ROOMS CONTAINING BATH/TUB, SHOWER, OR TUB/SHOWER COMBINATION) WHICH EXHAUST DIRECTLY FROM BATHROOMS SHALL COMPLY WITH THE FOLLOWING (CGBC SEC. 4.506.1):
 - FANS SHALL BE ENERGY STAR COMPLIANT AND BE DUCTED TO TERMINATE OUTSIDE THE BUILDING MIN 3' FROM OPENINGS.
 - UNLESS FUNCTIONING AS A COMPONENT OF A WHOLE HOUSE VENTILATION SYSTEM, FANS MUST BE CONTROLLED BY A HUMIDITY CONTROL.
 - HUMIDITY CONTROLS SHALL BE CAPABLE OF ADJUSTMENT BETWEEN A RELATIVE HUMIDITY RANGE OF ≤ 50 PERCENT TO A MAXIMUM OF 80 PERCENT. A HUMIDITY CONTROL MAY UTILIZE MANUAL OR AUTOMATIC MEANS OF ADJUSTMENT.
 - A HUMIDITY CONTROL MAY BE A SEPARATE COMPONENT TO EXHAUST FAN AND IS NOT REQUIRED TO BE INTEGRALLY BUILT IN.
- BATHROOM EXHAUST FANS SHALL PROVIDE MINIMUM 50 CFM EXHAUST RATE (CMC TABLE 403.7).
- KITCHEN EXHAUST FANS SHALL PROVIDE MINIMUM 100 CFM EXHAUST RATE (CMC TABLE 403.7).

PLUMBING NOTES

- CONFORM WITH CURRENT CPC AND LOCAL REQUIREMENTS.
- PIPING: DOMESTIC WATER (WITHIN BUILDING): COPPER OR PEX PIPE OR APPROVED EQUAL.
- AIR CHAMBERS: 12" LONG CAPPED NIPPLE AT END OF EACH BRANCH TO EACH FIXTURE.
- DIELECTRIC UNIONS "F.P.C.O." REQUIREMENT AT ALL DISSIMILAR MATERIAL CONNECTIONS.
- WHEN "OPTIONAL" SOFT-WATER LOOP INSTALLED, PROVIDE WITH 2 GATE VALVES.
- WATER SERVICE PIPE SHALL BE PER CIVIL PLANS OR AS REQUIRED BY THE JURISDICTION.
- WATER METER: PER WATER DISTRICT (REFER SIZE W/ FIRE SPRINKLER PLANS IF APPLICABLE)
- SHOWER HEADS AND FAUCETS: FLOW RATES PER CGBC SECTION 4.303.
- WATER HEATING SYSTEMS PIPING TO INCLUDE:
 - ALL DOMESTIC HOT WATER PIPING SHALL BE INSULATED. (CPC 609.12.1)
 - PIPES UP TO 2 INCHES IN DIAMETER: INSULATION WALL THICKNESS NOT LESS THAN DIAMETER OF PIPE. (CPC 609.12.2)
 - PIPES GREATER THAN 2 INCHES IN DIAMETER: INSULATION WALL THICKNESS NOT LESS THAN 2 INCHES. (CPC 609.12.2)
 - EXCEPTIONS:
 - PIPING THAT PENETRATES FRAMING MEMBERS SHALL NOT BE REQUIRED TO HAVE PIPE INSULATION FOR THE DISTANCE OF THE FRAMING PENETRATION. (CPC 609.12.2)
 - HOT WATER PIPING BETWEEN THE FIXTURE CONTROL VALVE OR SUPPLY STOP AND THE FIXTURE OR APPLIANCE SHALL NOT BE REQUIRED TO BE INSULATED. (CPC 609.12.2)
- PROVIDE A TEMPERATURE AND PRESSURE RELIEF VALVE WITH A FULL SIZE DRAIN OF GALVANIZED STEEL OR HARD DRAWN COPPER TO THE OUTSIDE OF THE BUILDING WITH THE END OF THE PIPE PROTRUDING 6" MINIMUM @ 2" MAX. ABOVE GRADE POINTING DOWNWARD TO THE TERMINATION - UNTHREADED.
 - COMBUSTION AIR PER MANUFACTURE REQUIREMENTS.
 - CLEARANCES PER MANUFACTURE REQUIREMENTS.
- PLUMBING INSULATION PER CEC 150.0 (J) AND CBC 609.11
 - DOMESTIC HOT WATER PIPING SHALL BE INSULATED.
 - HOT WATER PIPE INSULATION SHALL HAVE A MINIMUM WALL THICKNESS OF NOT LESS THAN THE DIAMETER OF THE PIPE FOR A PIPE UP TO 2 INCHES (50 MM) IN DIAMETER. INSULATION WALL THICKNESS SHALL BE NOT LESS THAN 2 INCHES (51 MM) FOR A PIPE OF 2 INCHES (50 MM) OR MORE IN DIAMETER.
 - PIPING THAT PENETRATES FRAMING MEMBERS SHALL NOT BE REQUIRED TO HAVE PIPE INSULATION FOR THE DISTANCE OF THE FRAMING PENETRATION.
 - HOT WATER PIPING BETWEEN THE FIXTURE CONTROL VALVE OR SUPPLY STOP AND THE FIXTURE OR APPLIANCE SHALL NOT BE REQUIRED TO BE INSULATED.
- SERVICE WATER HEATING SYSTEMS PIPING TO INCLUDE:
 - RECIRCULATING SYSTEM PIPING, INCLUDING THE SUPPLY AND RETURN PIPING TO THE WATER HEATER.
 - THE FIRST 8 FEET OF HOT AND COLD OUTLET PIPING, INCLUDING PIPING BETWEEN A STORAGE TANK AND A HEAT PUMP, FOR A NON-RECIRCULATING STORAGE SYSTEM.
 - PIPES THAT ARE EXTERNALLY HEATED SHALL BE INSULATED AS FOLLOWS: UP TO 1" PIPE DIAMETER TO HAVE 1.0 MIN THICKNESS OR R7/7 RATING PER CEC TABLE 120.3A
 - EXCEPTIONS:
 - FACTORY-INSTALLED PIPING WITHIN SPACE-CONDITIONING EQUIPMENT CERTIFIED UNDER SECTION 110.1 OR 110.2.
 - PIPING THAT PENETRATES FRAMING MEMBERS SHALL NOT BE REQUIRED TO HAVE PIPE INSULATION FOR THE DISTANCE OF THE FRAMING PENETRATION. METAL PIPING THAT PENETRATES METAL FRAMING SHALL USE GROMMETS, PLUGS, WRAPPING OR OTHER INSULATING MATERIAL THAT HAS NO CONTACT WITH THE METAL FRAMING.
 - PIPING INSTALLED IN INTERIOR OR EXTERIOR WALLS SHALL NOT BE REQUIRED TO HAVE PIPE INSULATION IF ALL OF THE REQUIREMENTS ARE MET FOR COMPLIANCE WITH QUALITY INSULATION INSTALLATION (QI) AS SPECIFIED IN THE REFERENCE RESIDENTIAL APPENDIX RA3.5.
 - PIPING SURROUNDED WITH A MINIMUM OF 1 INCH OF WALL INSULATION, 2 INCHES OF CRAWLSPACE INSULATION, OR 4 INCHES OF ATTIC INSULATION SHALL NOT BE REQUIRED TO HAVE PIPE INSULATION.
- INSULATION PROTECTION: PIPE INSULATION SHALL BE PROTECTED FROM DAMAGE DUE TO SUNLIGHT, MOISTURE, EQUIPMENT MAINTENANCE AND WIND. PROTECTION SHALL, AT MINIMUM, INCLUDE THE FOLLOWING (CEC SECTION 120.3(B)):
 - PIPE INSULATION EXPOSED TO WEATHER SHALL BE PROTECTED BY A COVER SUITABLE FOR OUTDOOR SERVICE. THE COVER SHALL BE WATER RETARDANT AND PROVIDES SHIELDING FROM SOLAR RADIATION THAT CAN CAUSE DEGRADATION OF THE MATERIAL. ADHESIVE TAPE SHALL NOT BE USED TO PROVIDE THIS PROTECTION.
 - PIPE INSULATION COVERING CHILLED WATER PIPING AND REFRIGERANT SUCTION PIPING LOCATED OUTSIDE THE CONDITIONED SPACE SHALL INCLUDE, OR BE PROTECTED BY, A CLASS I OR CLASS II VAPOR RETARDER. ALL PENETRATIONS AND JOINTS SHALL BE SEALED.
 - PIPE INSULATION BURIED BELOW GRADE MUST BE INSTALLED IN A WATER PROOF AND NONCRUSHABLE CASING OR SLEEVE.
- PIPE INSULATION REFER TO TITLE 24 - MANDATORY MEASURES - "SPACE CONDITIONING, WATER HEATING & PLUMBING SYSTEM MEASURES"
- STRAPS AND HANGERS: PROVIDE AS NECESSARY TO INSURE A STABLE INSTALLATION. SEE TITLE-24 FOR WATER HEATER REQUIREMENTS.
- ALL HOSE BIBBS SHALL HAVE APPROVED BACK FLOW PREVENTION DEVICES.
- PLUMBING FIXTURES (WATER CLOSETS) AND FITTINGS (FAUCETS AND SHOWERHEADS) SHALL MEET THE STANDARDS REFERENCED IN CAL GREEN TABLE 4.303.3.
- WATER HEATER SHALL BE PROVIDED WITH A TEMPERATURE AND PRESSURE RELIEF VALVE. PER (CPC 505.2) THE RELIEF VALVE SHALL BE PROVIDED WITH A DRAIN LINE WHICH EXTENDS FROM THE VALVES TO THE OUTSIDE OF THE BUILDING. PER (608.5 CPC)
- PER CPC 603.5.7 OUTLETS WITH HOSE ATTACHMENTS, POTABLE WATER OUTLETS WITH HOSE ATTACHMENTS, OTHER THAN WATER HEATER DRAINS, BOILER DRAINS, AND CLOTHES WASHER CONNECTIONS, SHALL BE PROTECTED BY A NONREMOVABLE HOSE BIBB TYPE BACKFLOW PREVENTER, A NONREMOVABLE HOSE BIBB TYPE VACUUM BREAKER, OR BY AN ATMOSPHERE VACUUM BREAKER INSTALLED NOT LESS THAN 6 INCHES ABOVE THE HIGHEST POINT OF USAGE LOCATED ON THE DISCHARGE SIDE OF THE LAST VALVE. IN CLIMATES WHERE FREEZING TEMPERATURES OCCUR, A LISTED SELF DRAINING FROST-PROOF HOSE BIBB WITH AN INTEGRAL BACKFLOW PREVENTER OR VACUUM BREAKER SHALL BE USED.

NO. DATE REVISIONS

NO.	DATE	REVISIONS

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SHEET TITLE:

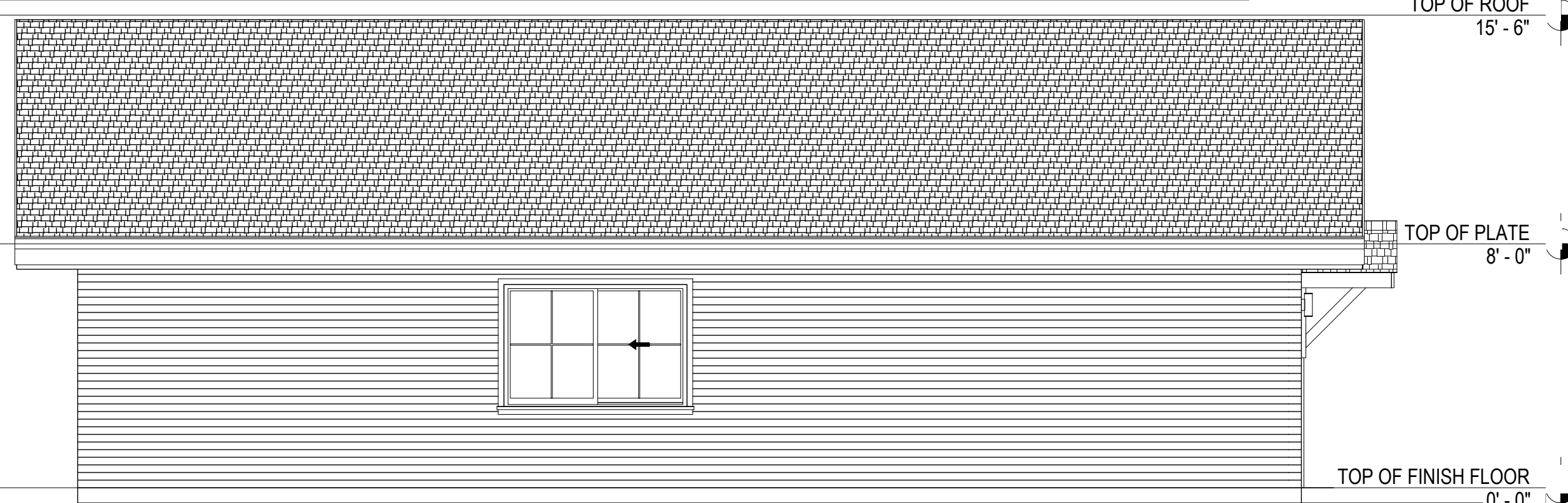
MECHANICAL,
ELECTRICAL, &
PLUMBING PLANS

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

EXTERIOR ELEVATIONS



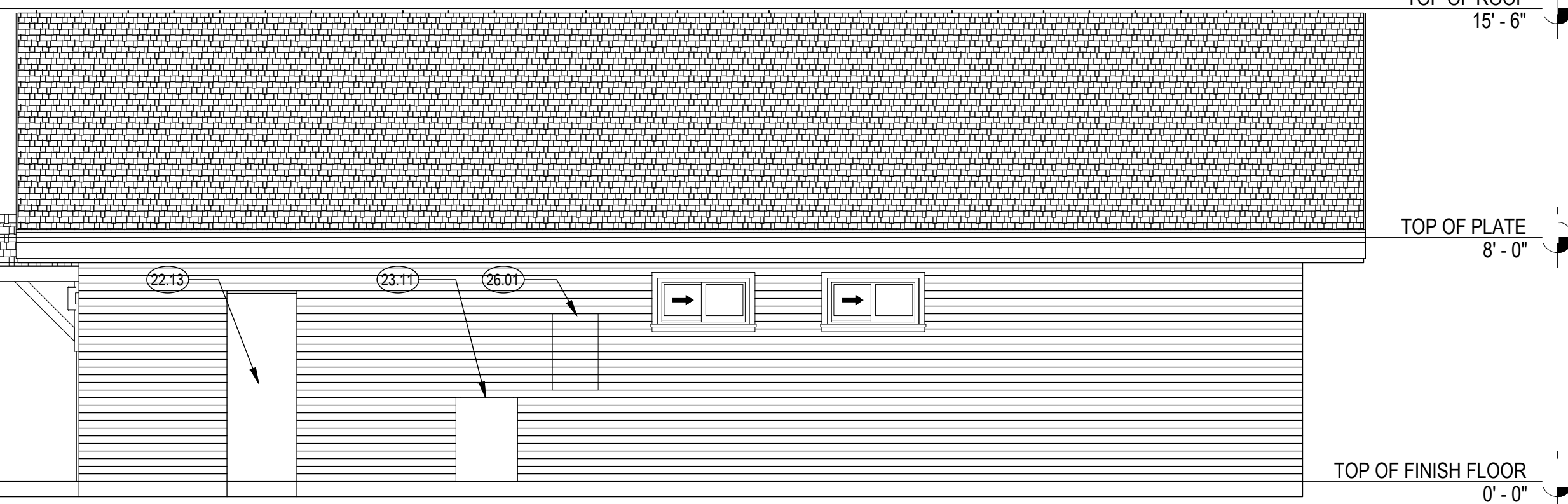
3 STANDARD DESIGN OPTION - FRONT ELEVATION
1/4" = 1'-0"



1 STANDARD DESIGN OPTION - RIGHT ELEVATION
1/4" = 1'-0"

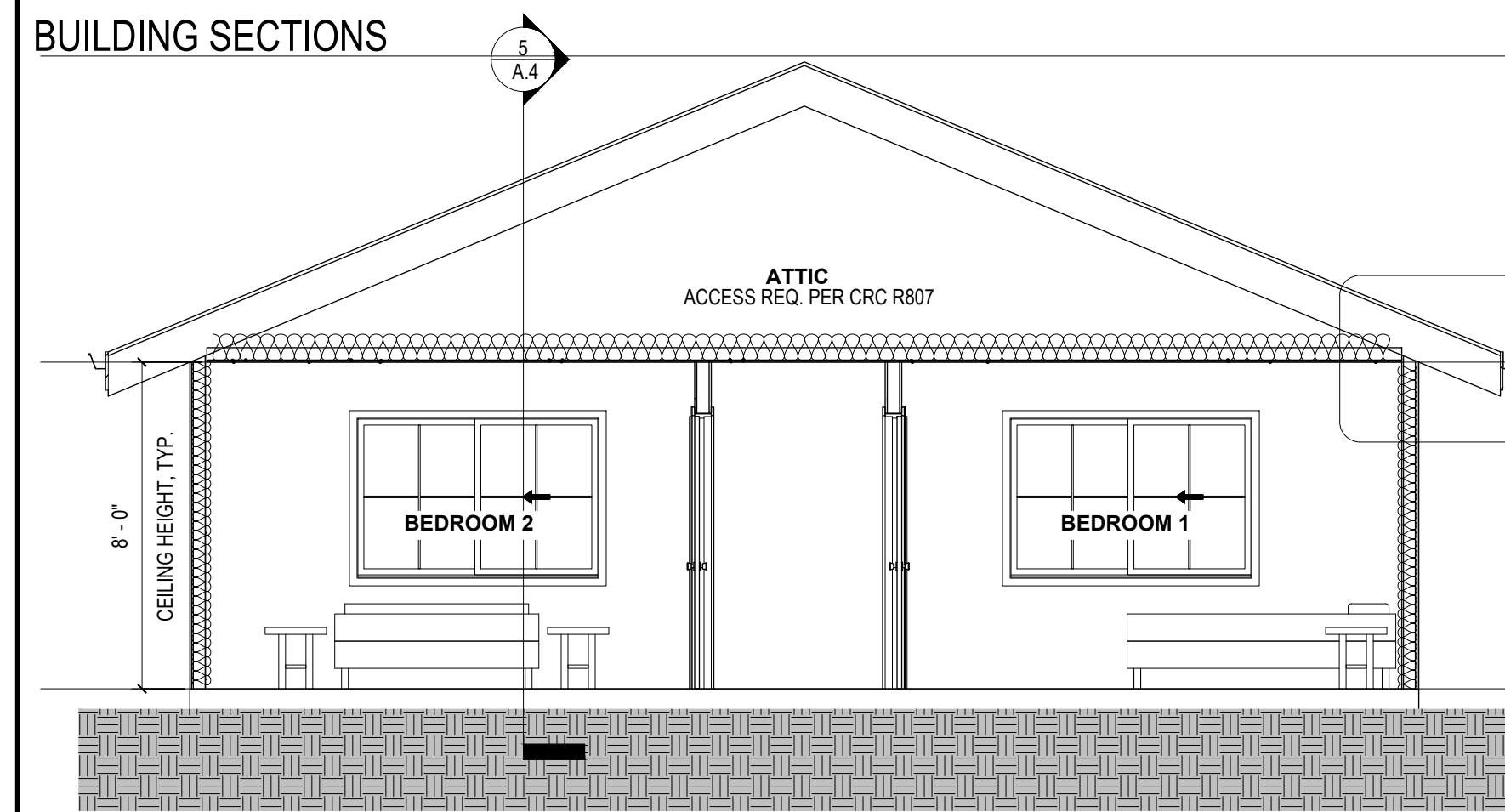


4 STANDARD DESIGN OPTION - REAR ELEVATION
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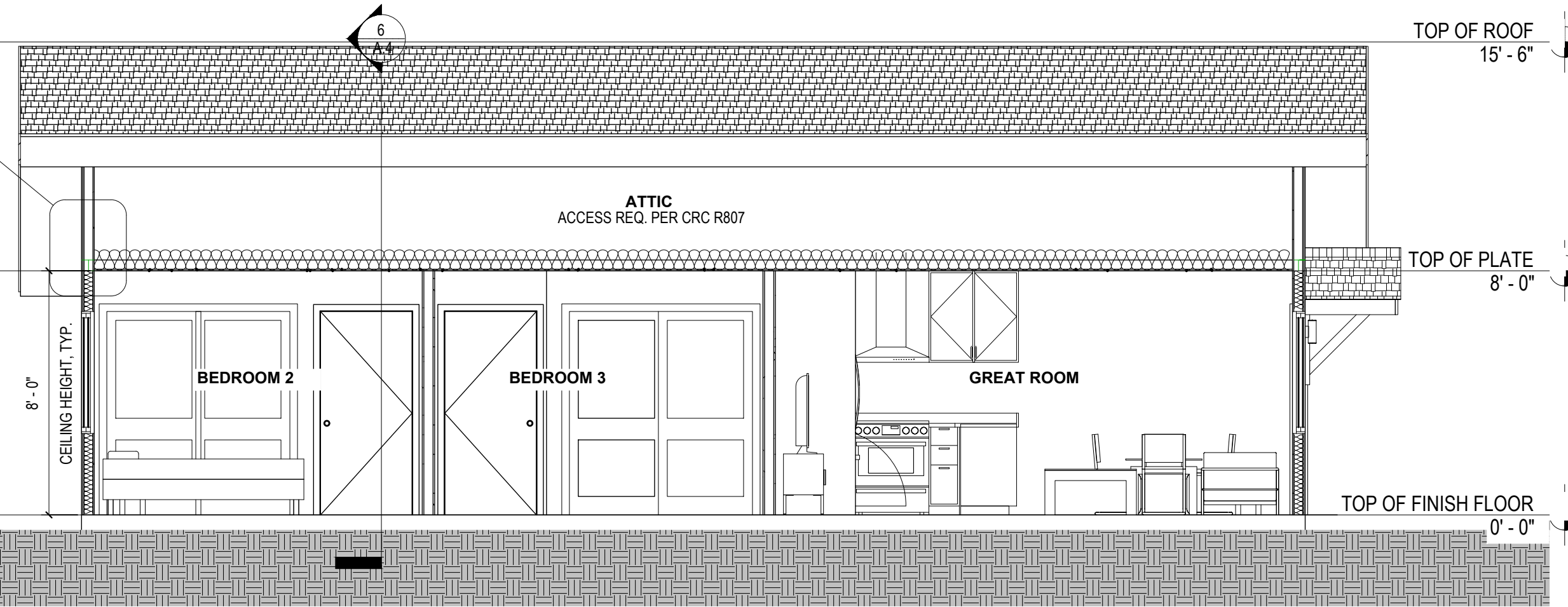


2 STANDARD DESIGN OPTION - LEFT ELEVATION
1/4" = 1'-0"

BUILDING SECTIONS

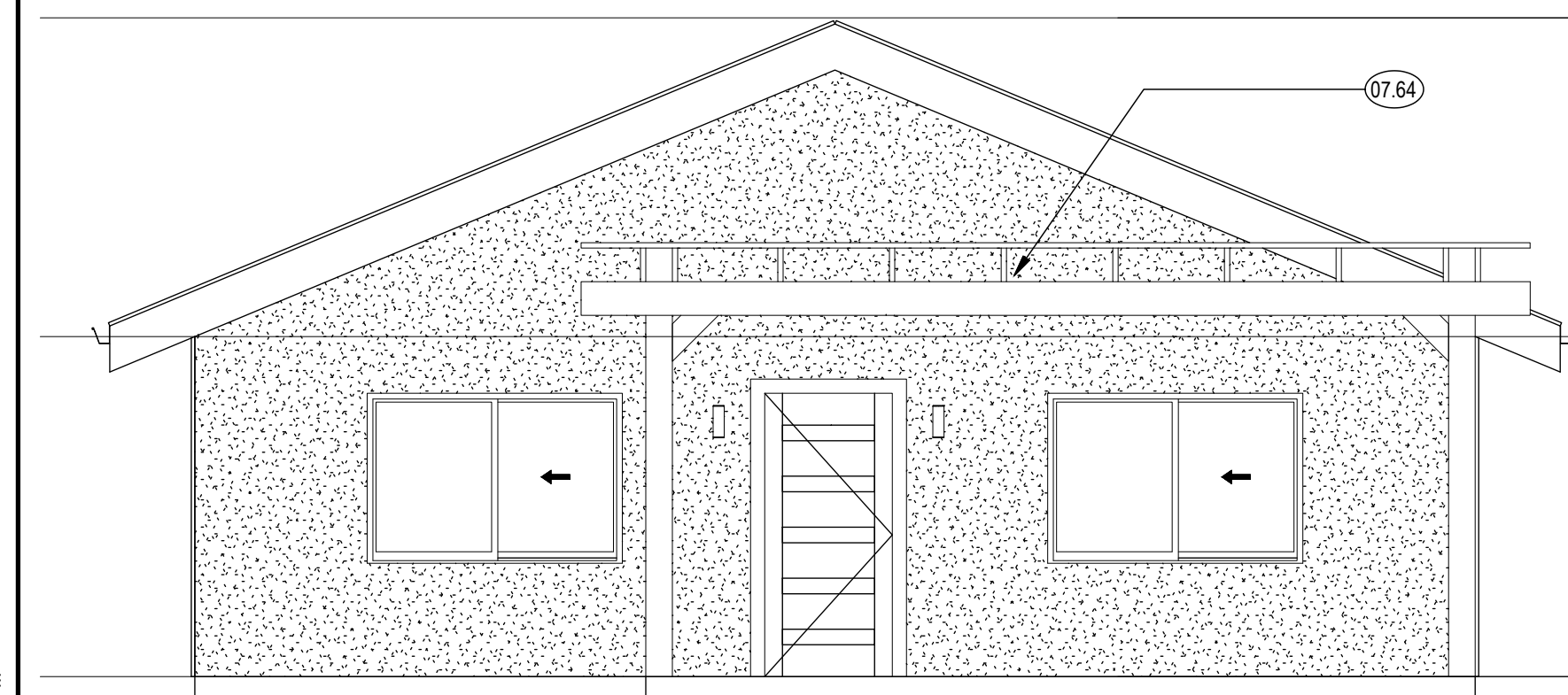


6 SECTION 2
1/4" = 1'-0"

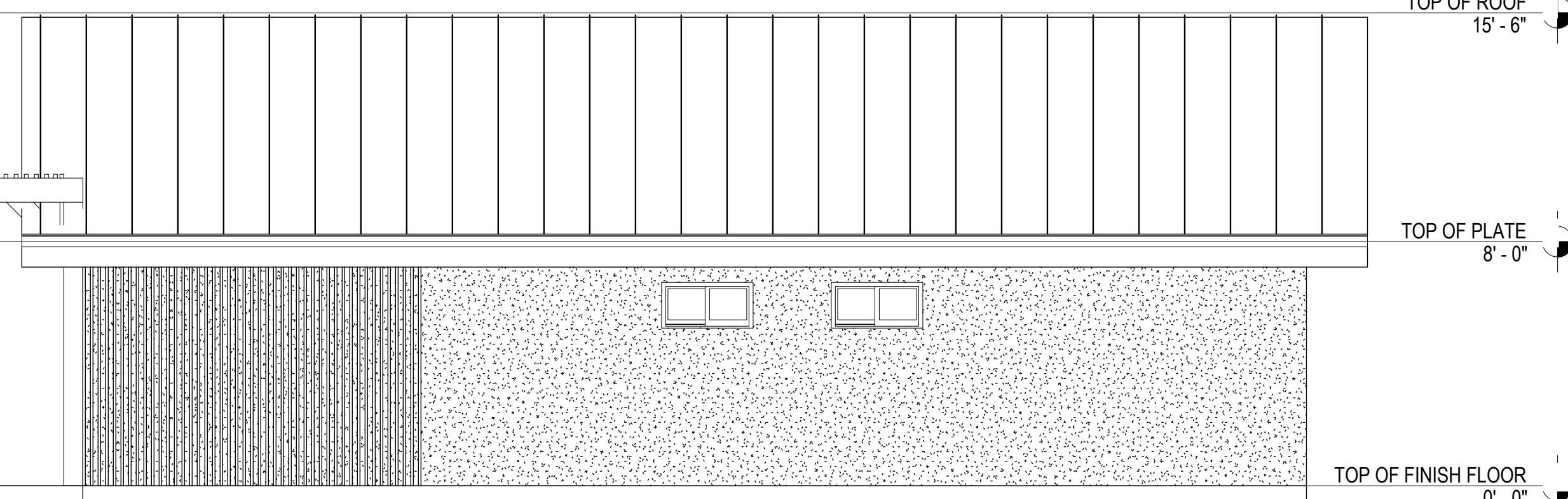


5 SECTION 1
1/4" = 1'-0"

ELEVATIONS - ALTERNATIVE DESIGN OPTION EXAMPLE



7 ALTERNATE DESIGN OPTION - FRONT ELEVATION
1/4" = 1'-0"



8 ALTERNATE DESIGN OPTION - LEFT ELEVATION
1/4" = 1'-0"

BUILDING SECTION 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.
2. WALL ASSEMBLIES TO BE PER A.2 - FLOOR PLAN AND A.5 WALL TYPES.
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 PER CRC SECTION R302.11:
 - A. SECTION R302.11
 - a. 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
 - b. AT INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS SOFFITS, DROP CEILINGS AND COVE CEILINGS.
 - c. 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 E136 REQUIREMENTS.
 - B. SECTION R302.11.1 - FIREBLOCKING MATERIALS SHALL CONSIST OF FOLLOWING MATERIALS:
 - a. TWO-INCH NOMINAL LUMBER
 - b. TWO THICKNESSES OF ONE-INCH NOMINAL LUMBER WITH BROKEN LAP JOINTS
 - c. THE THICKNESS OF 0.719-INCH WOOD STRUCTURAL PANELS WITH JOINTS BACKED BY 0.719-INCH WOOD STRUCTURAL PANELS
 - d. THE THICKNESS OF 0.75-INCH PARTICLE BOARD WITH JOINTS BACKED BY 0.75-INCH PARTICLE BOARD
 - e. ONE-HALF-INCH GYPSUM BOARD
 - f. ONE-FOURTH-INCH CEMENT-BASED MILLBOARD
 - g. BATTS OR BLANKETS OF MINERAL WOOL, MINERAL FIBER OR OTHER APPROVED MATERIAL INSTALLED IN SUCH A MANNER AS TO BE SECURELY RETAINED IN PLACE
 - h. CELLULOSE INSULATION INSTALLED AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263, FOR THE SPECIFIC APPLICATION.
6. PER 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 IN ACCORDANCE WITH ANPA U1.
7. PROVIDE BLOCKING FOR ALL WALLS WHERE WALL HUNG EQUIPMENT AND FIXTURES OCCUR.
8. ALL WALL AND CEILING FINISHES SHALL COMPLY WITH CRC R302.9 FOR MAXIMUM FLAME SPREAD AND SMOKE DENSITY.

EXTERIOR ELEVATION NOTES

1. REFER TO GENERAL NOTES SHEET G.2 FOR ADDITIONAL REQUIREMENTS
2. SEE DETAILS FOR ADDITIONAL INFORMATION AND REQUIREMENTS
3. REFER TO ROOF PLAN FOR OVERHANGS. FASCIA PER DETAILS. PROVIDE ALUMINUM GUTTER
4. REFER TO DOOR AND WINDOW SCHEDULES AND TYPES FOR DOOR AND WINDOW INFORMATION
5. THE NOMINAL THICKNESS AND ATTACHMENT OF EXTERIOR WALL SIDING SHALL BE IN ACCORDANCE WITH CRC TABLE R703.3(1)

SECTION & ELEVATION KEYNOTES

- 07.63 OPTIONAL BRACKETED GABLE PORTICO FOR FRONT DOOR. SEE A.7 FOR DETAILS
- 07.64 OPTIONAL WOOD ENTRY TRELIS FOR FRONT PORCH. SEE A.7 FOR DETAILS
- 22.13 HEAT PUMP WATER HEATER PER C.F.I.R. REPORT. PER CPC 507.25, WATER HEATERS INSTALLED OUTDOORS SHALL BE LISTED FOR OUTDOOR INSTALLATION OR PROVIDED WITH PROTECTION TO THE DEGREE THE ENVIRONMENT REQUIRES AND SHALL BE INSTALLED IN ACCORDANCE WITH ITS LISTING. PROVIDE CONCRETE PAD 3" MIN. ABOVE GRADE. REFER TO TITLE 24 AND PRODUCT SPECIFICATIONS AND REQUIREMENTS FOR ADDITIONAL INFORMATION.
- 23.11 CONDENSER UNIT. REFER TO TITLE 24 FOR ADDITIONAL INFORMATION. PROVIDE CONCRETE PAD MIN. 6" LARGER THAN UNIT IN EACH DIRECTION, 3" MIN. ABOVE GRADE. PROVIDE PROTECTION PER CPC 507.25 & CMC 305.1.1
- 26.01 ELECTRIC PANEL LOCATION. PROVIDE PROTECTION PER CPC 507.25 & CMC 305.1.1.

STYLE & MATERIAL OPTION SELECTIONS

- ROOF MATERIAL:
- ASPHALT SHINGLE ROOF - CLASS C MIN. (CRC R905.1, CRC R905.2)
 - STANDING SEAM METAL ROOF - CLASS C MIN. (CRC R905.1, CRC R905.10)
- EXTERIOR WALL MATERIAL:
- VERTICAL WOOD SIDING (CRC R703.5.1)
 - HORIZONTAL WOOD LAP SIDING (CRC R703.5.3)
 - CEMENT PLASTER (CRC R703.7.2)
 - FIBER CEMENT PANEL SIDING (CRC R703.10.1)
 - FIBER CEMENT LAP SIDING (CRC R703.10.2)
 - OTHER: _____
- EXTERIOR SOFFITS, RAKES, & EAVE MATERIAL:
- CEMENT PLASTER
 - EXT. GRADE TONGUE & GROOVE
 - FIBER CEMENT
 - EXT. GRADE PLYWOOD
- EXTERIOR TRIM ELEMENTS:
- NO TRIM
 - FIBER CEMENT
 - WOOD



THE COUNTY OF SANTA CLARA

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San Jose, California 95110
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**ELEVATIONS &
BUILDING SECTIONS**

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

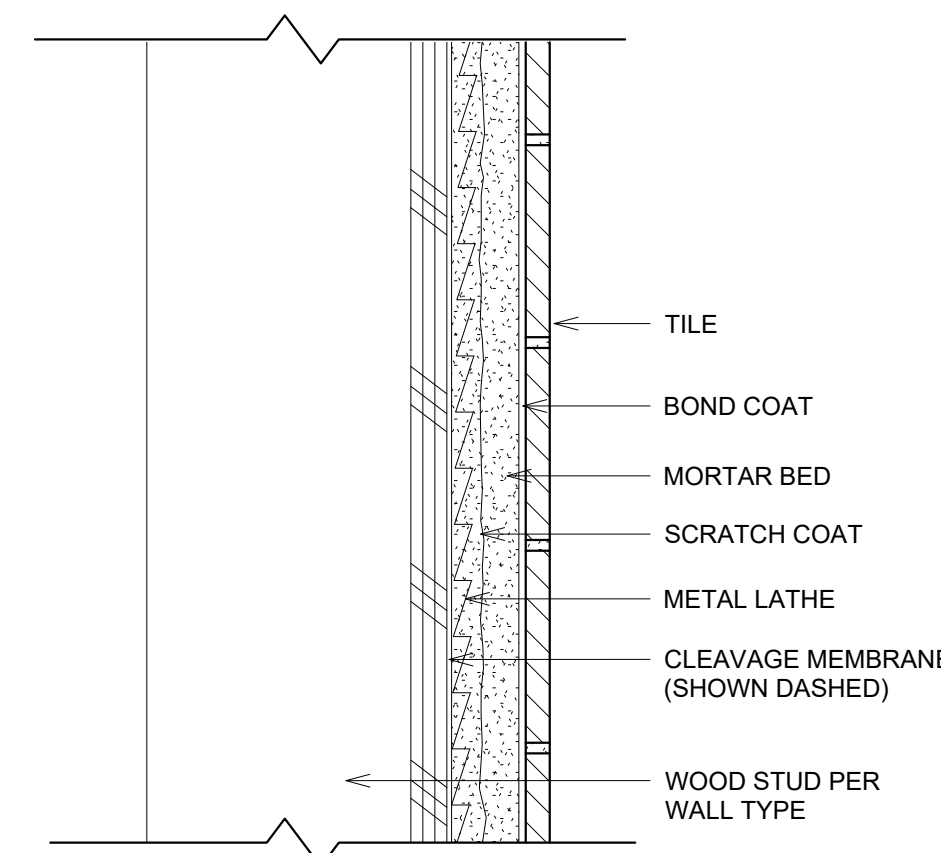


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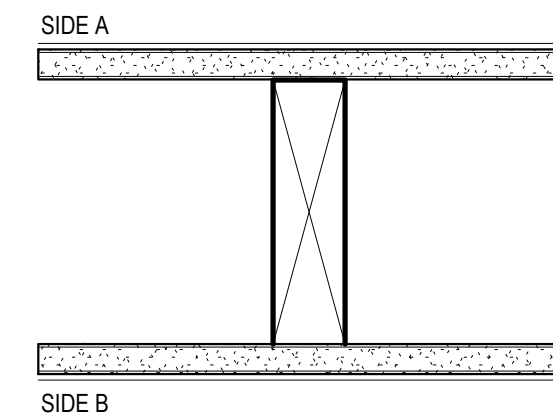
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WALL TYPE GENERAL NOTES

- A. ALL INTERIOR WALLS IN PROJECT TO BE B01 UNO ON SHEET A.2 - FLOOR PLAN & ROOF PLAN
- B. GYPSUM BOARD USED AS THE BASE OR BACKER FOR ADHESIVE APPLICATION OF CERAMIC TILE OR OTHER REQUIRED NONABSORBENT FINISH MATERIAL SHALL CONFORM TO ASTM C1178, C1278 OR C1396. (CRC R702.3.7)
- C. WHERE PLYWOOD OR OTHER MATERIAL IS ADDED BELOW GYPSUM BOARD, USE LONGER NAILS/SCREWS WHERE NEEDED TO MAINTAIN PENETRATION / ATTACHMENT REQUIREMENTS
- D. INSTALL ALL FIRE-RATED / SOUND-RATED WALLS IN ACCORDANCE WITH ALL REQUIREMENTS FOR THE DESIGN LISTING
- E. FINISH MATERIALS ARE SHOWN CONCEPTUALLY AS A DASHED LINE (-----) IN THE WALL TYPE DETAILS
- F. PROVIDE BACKING, SECURELY ATTACHED TO WALL FRAMING, AS NEEDED TO SECURELY AND FIRMLY MOUNT ALL WALL MOUNTED ACCESSORIES, CASEWORK, EQUIPMENT, LIGHTS, ETC. REVIEW ARCHITECTURAL AND ENGINEERING DRAWINGS TO IDENTIFY ITEMS THAT REQUIRE BACKING. INSTALL BACKING FOR THESE ITEMS AND MARK OR RECORD LOCATIONS PRIOR TO APPLYING FACING MATERIALS
- G. PROVIDE FIRE BLOCKING AND DRAFTSTOPPING AS REQUIRED BY CRC R302.11 & R302.12. ALL DOUBLE WALL CONSTRUCTION SHALL HAVE FIRE BLOCKING AT 10 FT. HORIZONTALLY AND VERTICALLY AS OUTLINED IN CRC R302.11.
- H. ADJUST FURRING DIMENSION TO ALIGN FINISH OF WALL AS INDICATED IN PLAN.
- I. ALL WOOD FURRING AGAINST EXTERIOR CONCRETE WALLS SHALL BE PRESSURE TREATED.
- J. FOR WALL TYPES WITH CEMENT PLASTER, PROVIDE A 3-COAT 7/8" MIN CEMENT PLASTER FINISH OVER METAL OR WIRE FABRIC LATH PER CRC R703.7.2 AND TABLE R702.1(1). INSTALL WATER RESISTIVE VAPOR BARRIER WITH PERFORMANCE EQUIVALENT TO OR HIGHER THAN 2 LAYERS OF GRADE D PAPER OVER WOOD BASE SHEATHING PER CRC R703.7.3
- K. PROVIDE A SPACE OR DRAINAGE MATERIAL ON TOP OF WATER-RESISTIVE BARRIER, AS REQUIRED FOR STUCCO WALLS PER CRC R703.7.3.2



4 WALL ASSEMBLY WITH TILE (AT WET LOCATIONS)
3" = 1'-0"

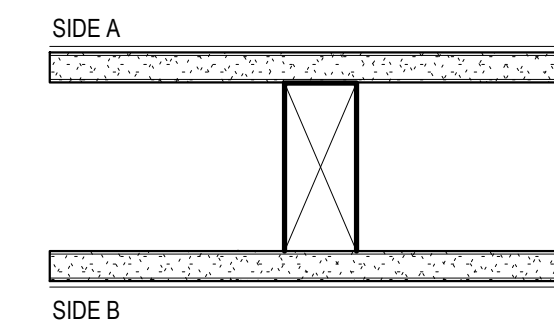


FIRE RATING: NON-RATED
FIRE LISTING: N/A
SOUND RATING: N/A
SOUND LISTING: N/A
FRAMING: 2x6 MIN WOOD STUD
SPACING: 16" MAX OC
APPLIED FACING:
SIDE A: 1/2" GYPSUM BOARD
SIDE B: 1/2" GYPSUM BOARD

INSULATION: NONE REQUIRED. OPTIONAL FOR INCREASED ACOUSTICAL PERFORMANCE

SEE GENERAL WALL TYPE NOTES FOR ADDITIONAL NECESSARY INFORMATION

B02 INTERIOR WALL

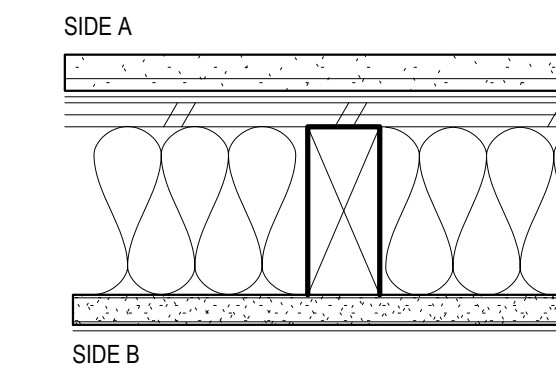


FIRE RATING: NON-RATED
FIRE LISTING: N/A
SOUND RATING: N/A
SOUND LISTING: N/A
FRAMING: 2x4 MIN WOOD STUD
SPACING: 16" MAX OC
APPLIED FACING:
SIDE A: 1/2" GYPSUM BOARD
SIDE B: 1/2" GYPSUM BOARD

INSULATION: NONE REQUIRED. OPTIONAL FOR INCREASED ACOUSTICAL PERFORMANCE

SEE GENERAL WALL TYPE NOTES FOR ADDITIONAL NECESSARY INFORMATION

B01 INTERIOR WALL



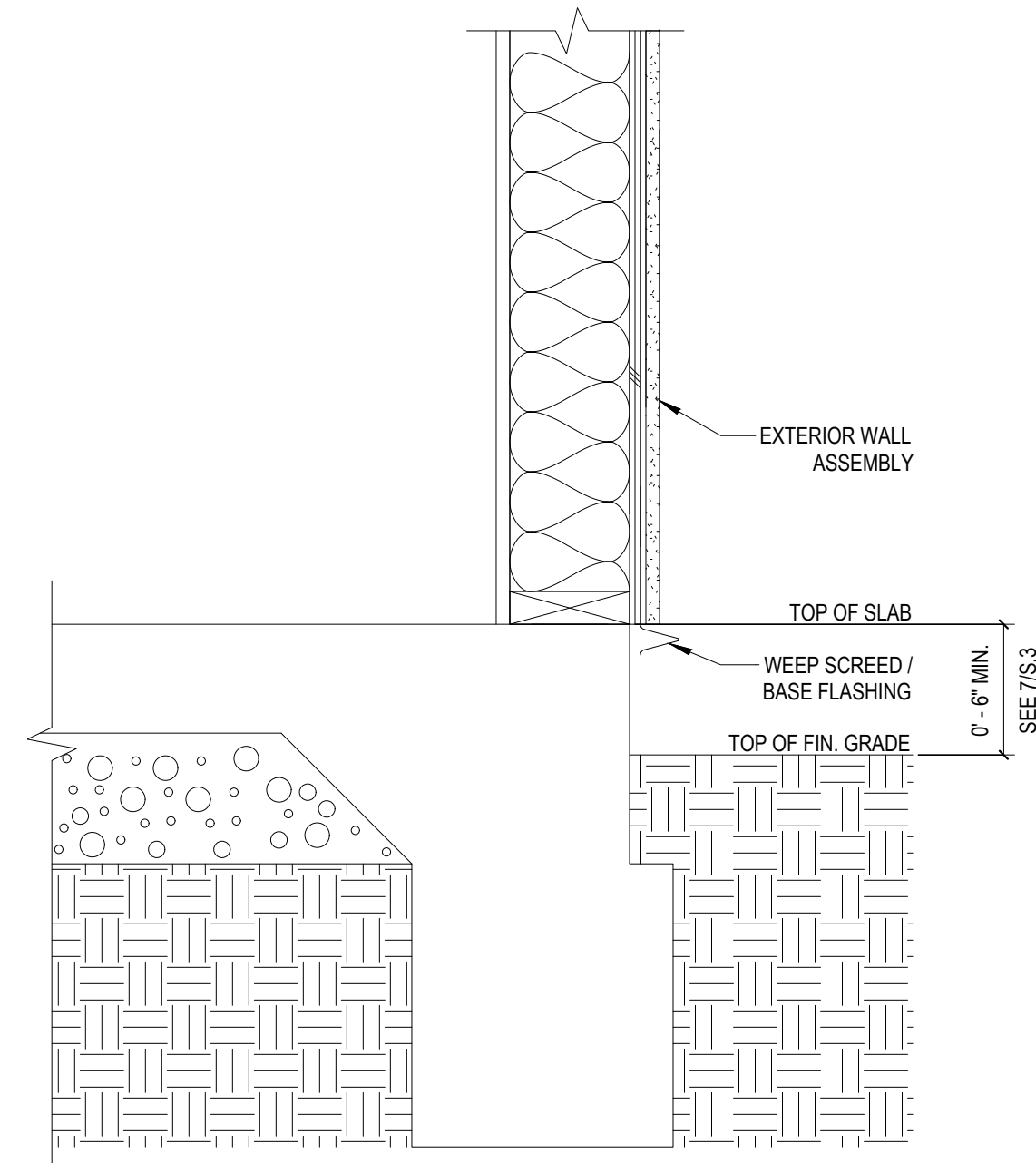
FIRE RATING: 1-HOUR RESISTIVE
FIRE LISTING: N/A
SOUND RATING: N/A
SOUND LISTING: N/A
FRAMING: 2x4 MIN WOOD STUD
SPACING: SEE STRUCTURAL DRAWINGS
APPLIED FACING:
SIDE A: EXTERIOR CLADDING SYSTEM (CEMENT PLASTER / WOOD SIDING / FIBER CEMENT BOARD)
WEATHER-RESISTIVE BARRIER
3/8" MIN PLYWD SHTHG, SSD
SIDE B: 1/2" GYPSUM BOARD

INSULATION: R-15 FIBERGLASS BATT

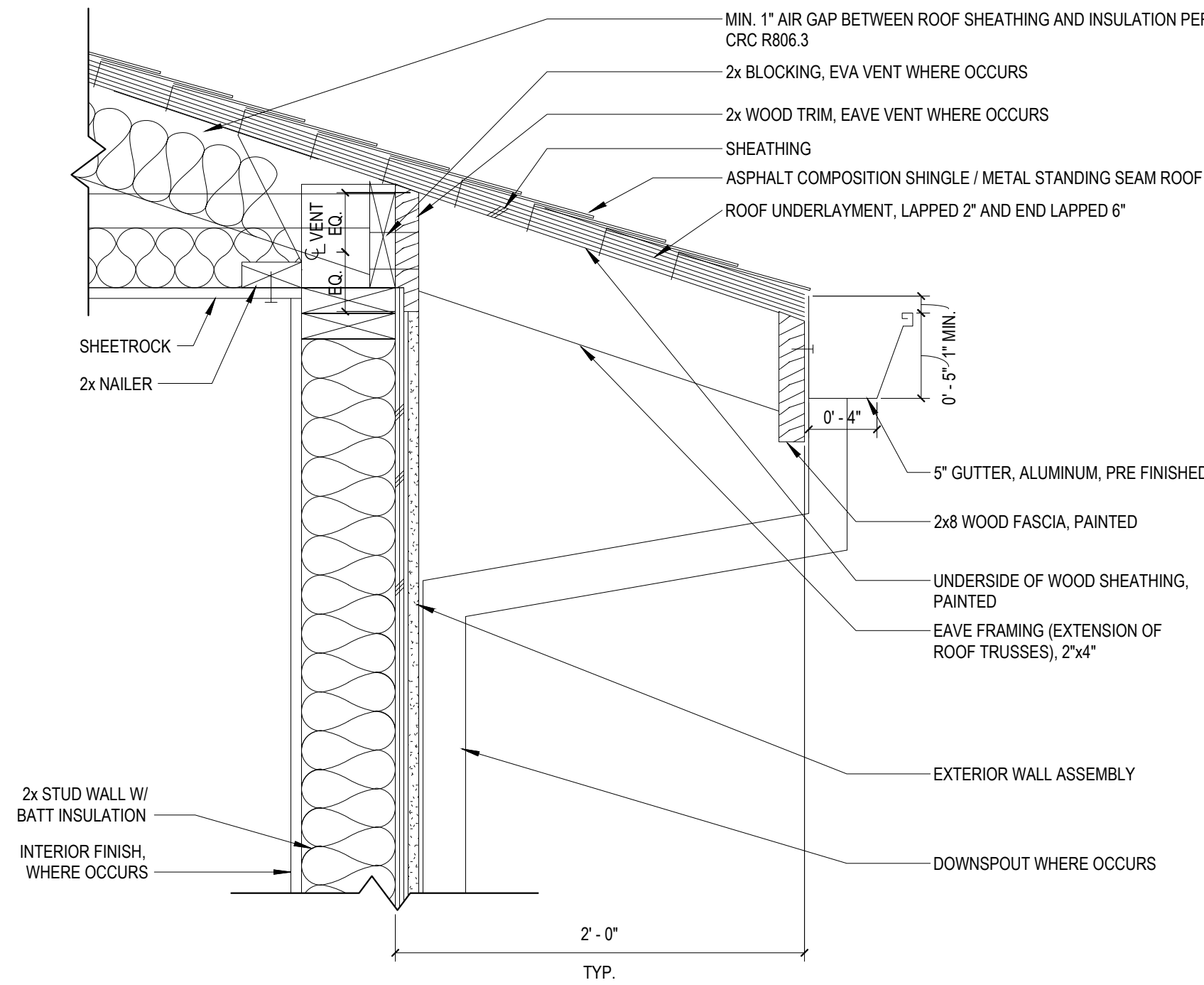
SEE GENERAL WALL TYPE NOTES FOR ADDITIONAL NECESSARY INFORMATION

X01 EXTERIOR WALL SYSTEM

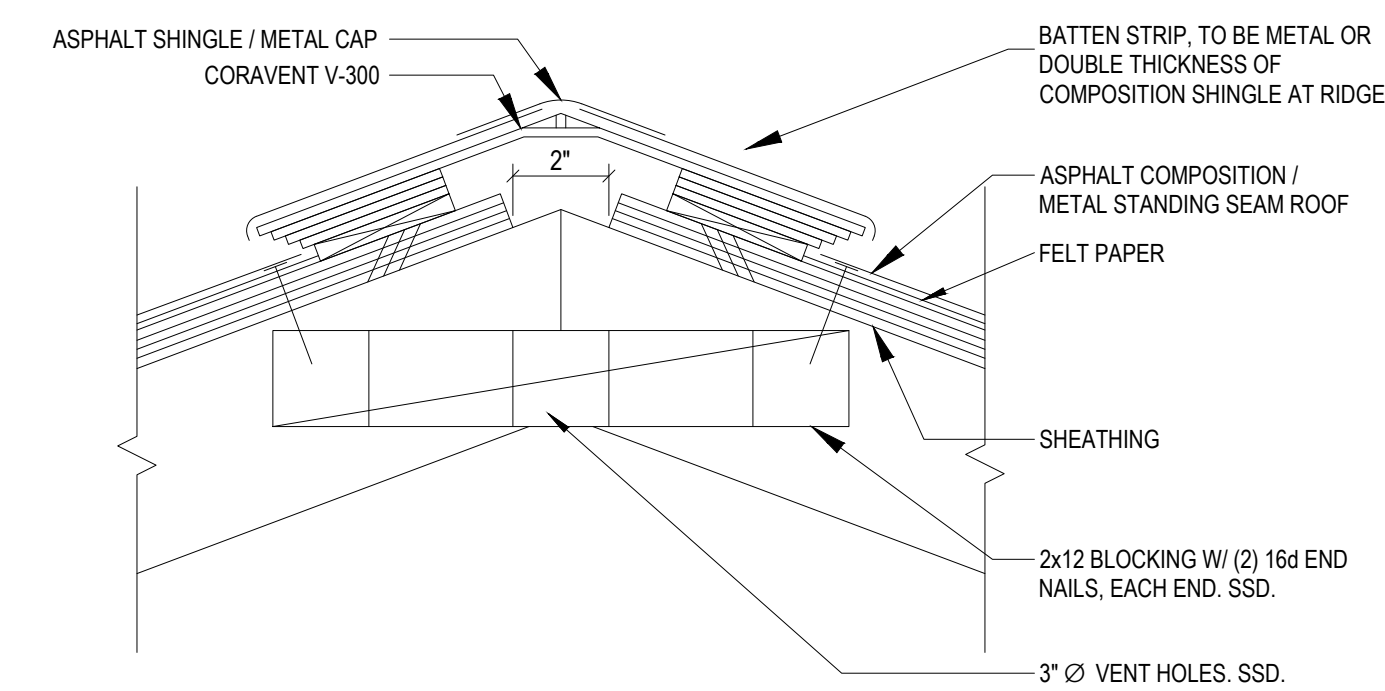
1 WALL TYPES



5 WALL BASE AT SLAB-ON-GRADE
1 1/2" = 1'-0"



2 ROOF EAVE, TYP.
1 1/2" = 1'-0"



3 RIDGE VENT
3" = 1'-0"

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1	Date 1	SUBMITTAL

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**WALL TYPES &
DETAILS**

SCALE: As indicated



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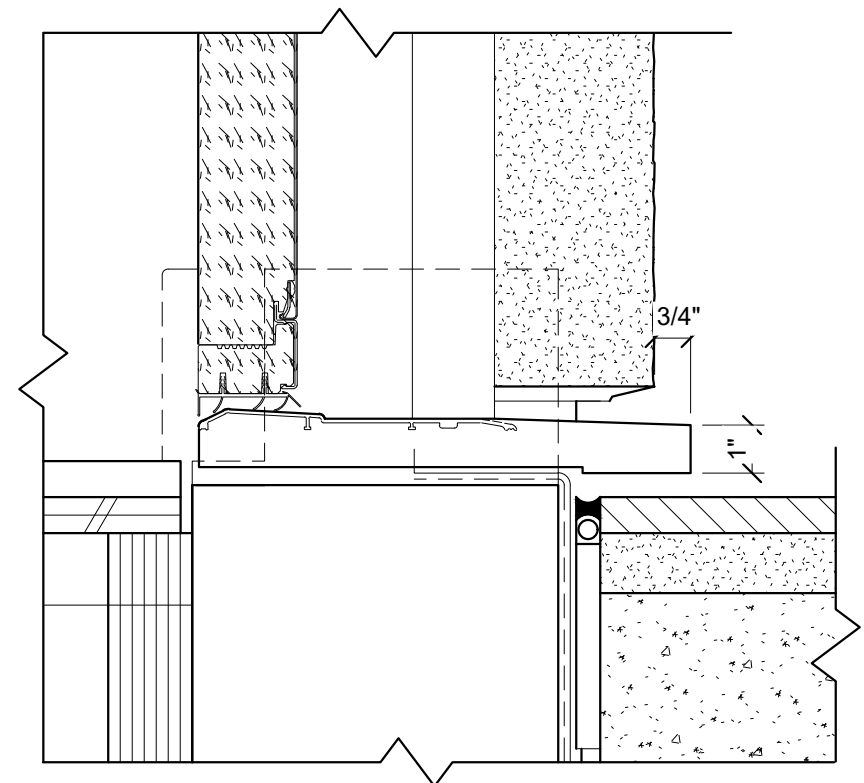
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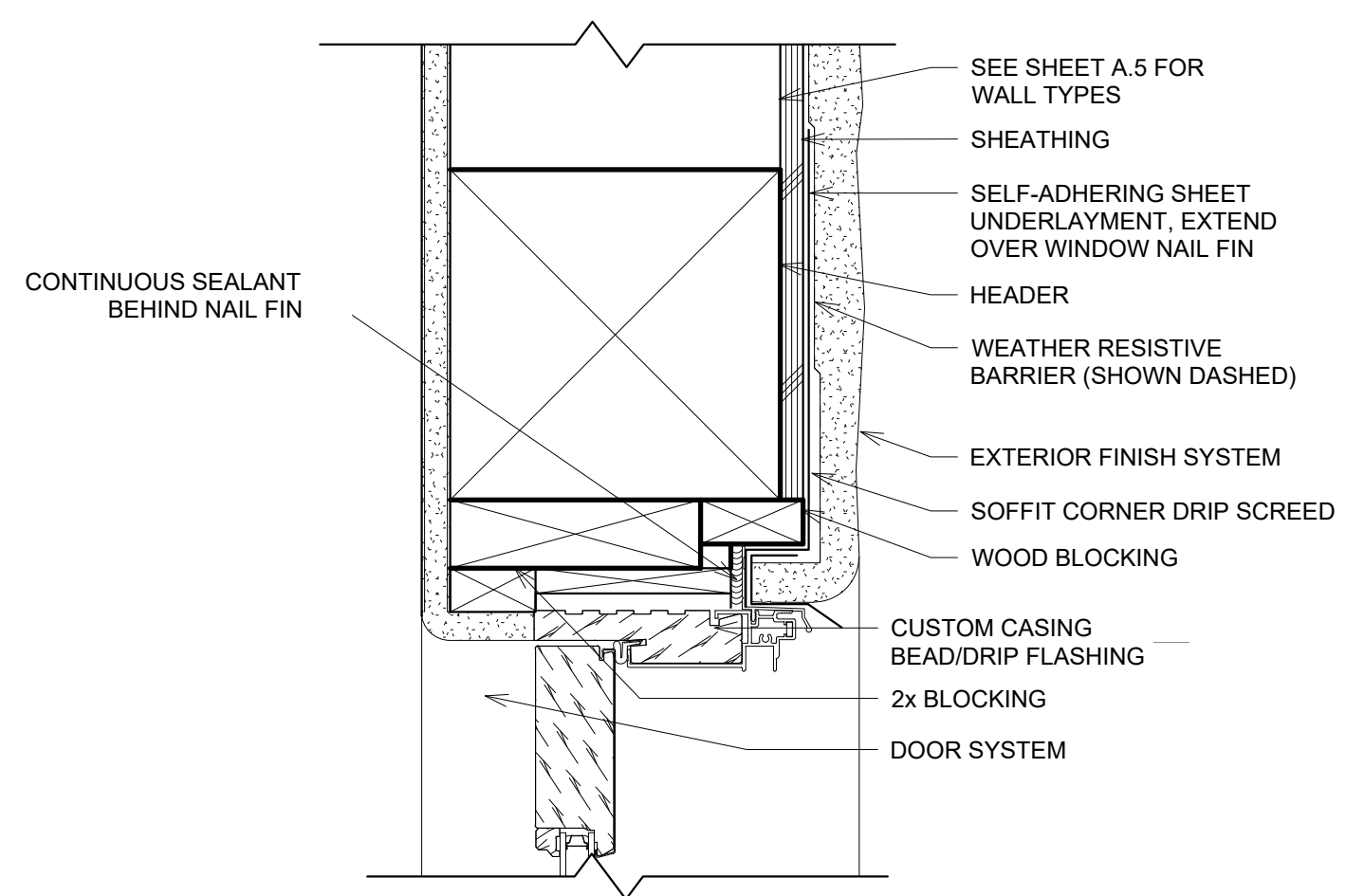
- A. NUMBERS SHOWN ON DETAIL INDICATE SEQUENCE OF INSTALLATION FOR SELF ADHERING FLASHING
- B. INSTALL SELF ADHERING FLASHING AND WALL BUILDING PAPER SUCH THAT ALL LAPS SHED WATER AND FOLLOW THE SHINGLE PRINCIPLE.
- C. MECHANICALLY FASTEN SELF ADHERING FLASHING AT CORNERS, AS REQUIRED. TYP.
- D. PROVIDE 6" MIN. LAPS OVER WALL BUILDING PAPER.

KEYNOTES

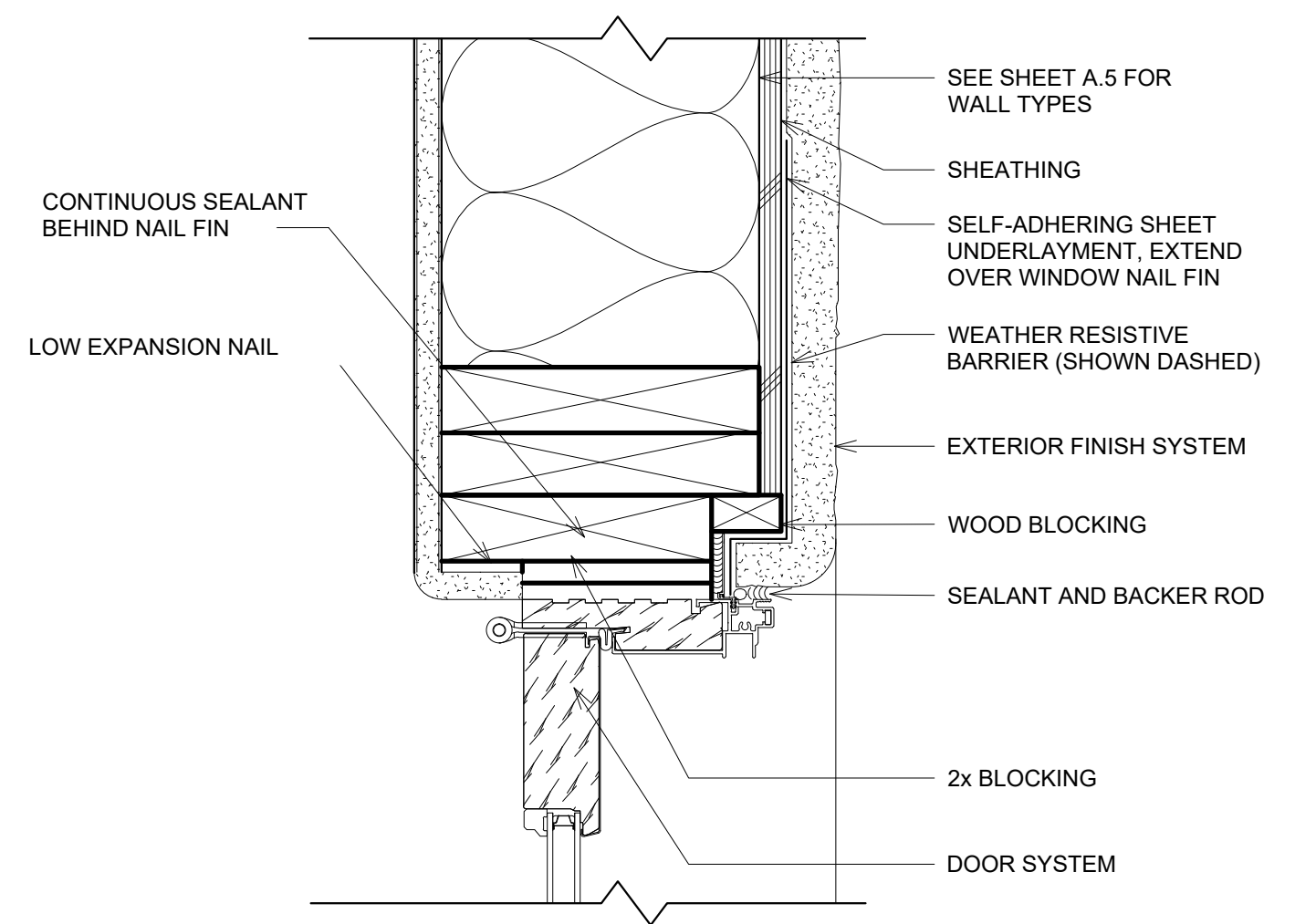
- 1. 12" SELF ADHERING FLASHING AT SILL LAP OVER BUILDING PAPER AND INTO WINDOW R.O. IF APPLICABLE. LEAVE RELEASE PAPER ON LOWER HALF OF SILL FLASHING UNTIL FUTURE TIE-IN. NOTE: DO NOT EXTEND SILL FLASHING BEYOND OUTSIDE EDGE OF JAMB FLASHINGS.
- 2. METAL SILL PAN (NOT SHOWN IN DIAGRAM) OVER FLEXIBLE SILL FLASHING. INSTALL PRIOR TO SELF-ADHERING FLASHING AT JAMBS.
- 3. SELF ADHERING FLASHING AT JAMB FRAMING. LAP (6" MIN.) OVER WALL BUILDING PAPER AT JAMBS AND INTO WINDOW OPENING.
- 4. SELF ADHERING FLASHING AT WINDOW HEAD. FLASHING INSTALLED UNDER WALL BUILDING PAPER AND OVER SELF ADHERING FLASHING AT JAMBS.
- 5. INSTALL FLANGED WINDOW PER MFR. REQD.
- 6. INSTALL SECOND LAYER SELF ADHERING FLASHING AT JAMB OVER INSTALLED WINDOW.
- 7. INSTALL SECOND LAYER SELF ADHERING FLASHING AT HEAD OVER INSTALLED WINDOW.
- 8. INSTALL 6" DIAM. SELF ADHERING TARGET PATCH OR GRACE CONSTRUCTION PREFORMED CORNER AT ALL FOUR CORNERS OF WINDOW OPENING.



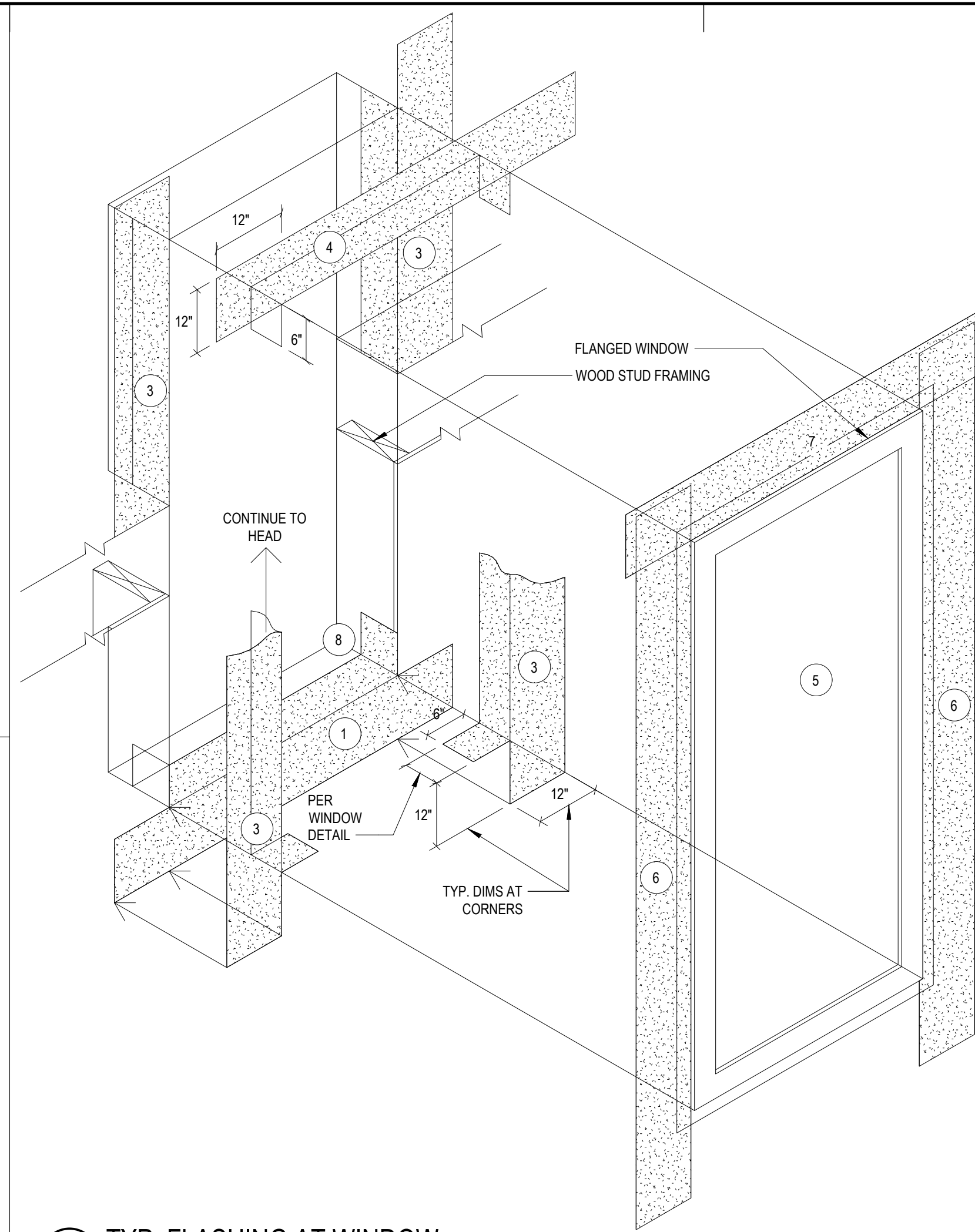
6 IN SWING DOOR THRESHOLD LOW THRESHOLD
 3" = 1'-0"



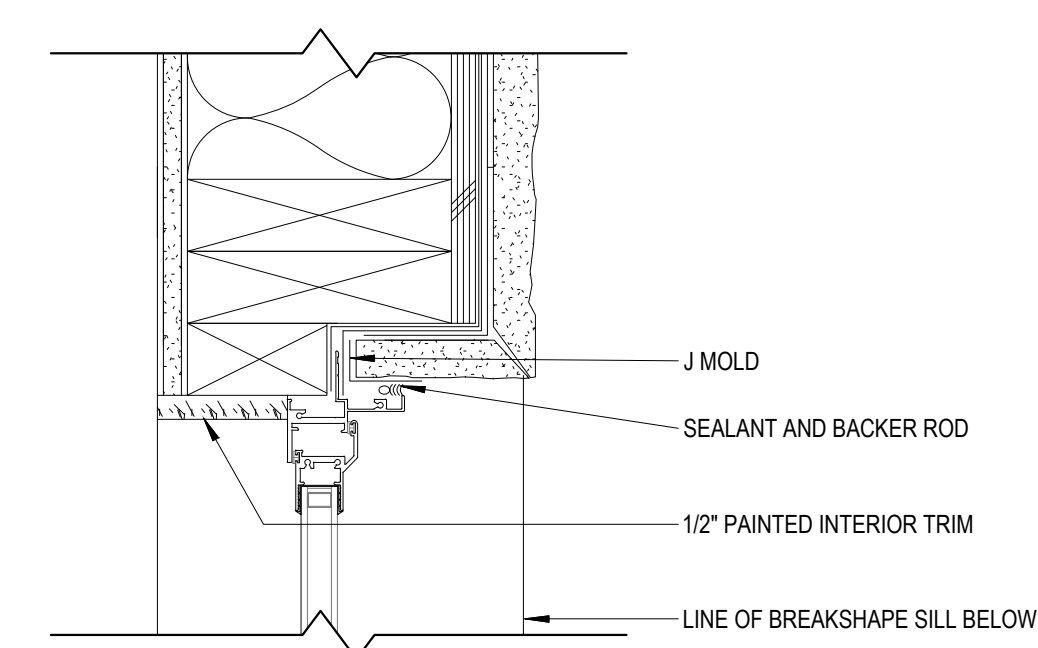
7 IN SWING DOOR HEAD
 3" = 1'-0"



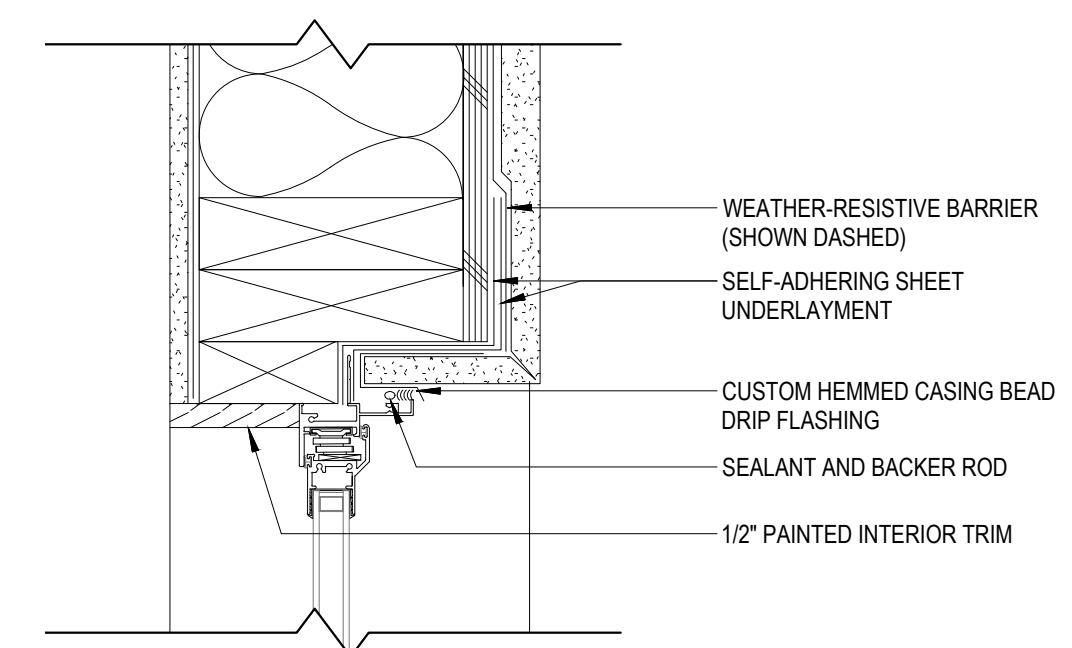
8 IN SWING DOOR JAMB
 3" = 1'-0"



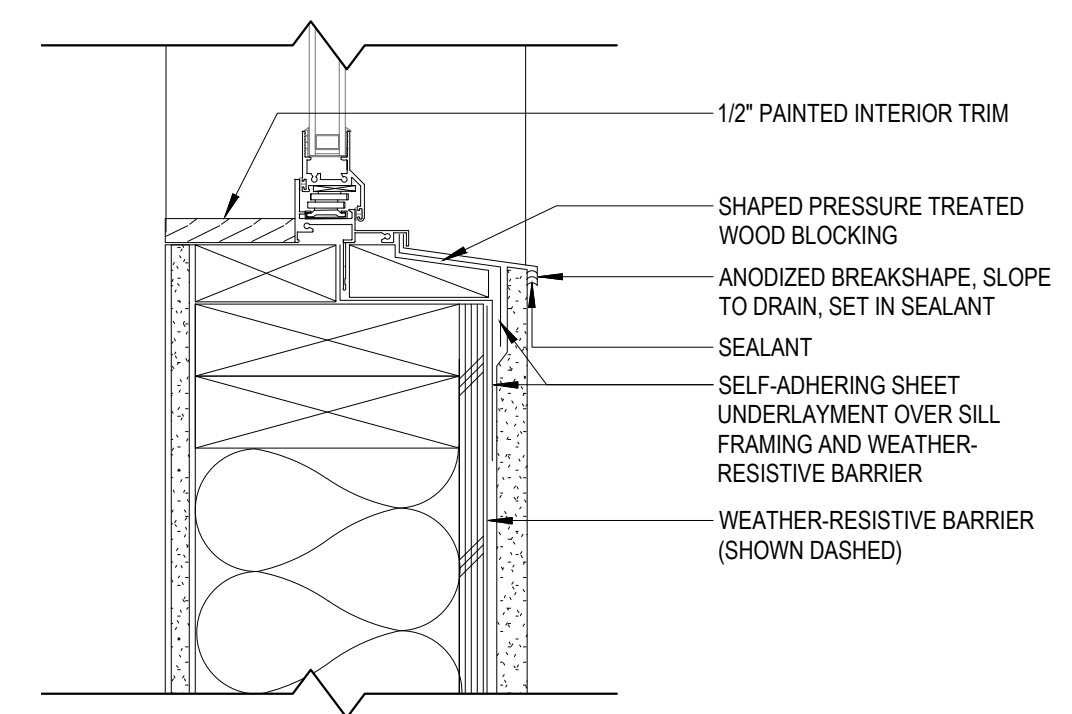
1 TYP. FLASHING AT WINDOW
 3/4" = 1'-0"



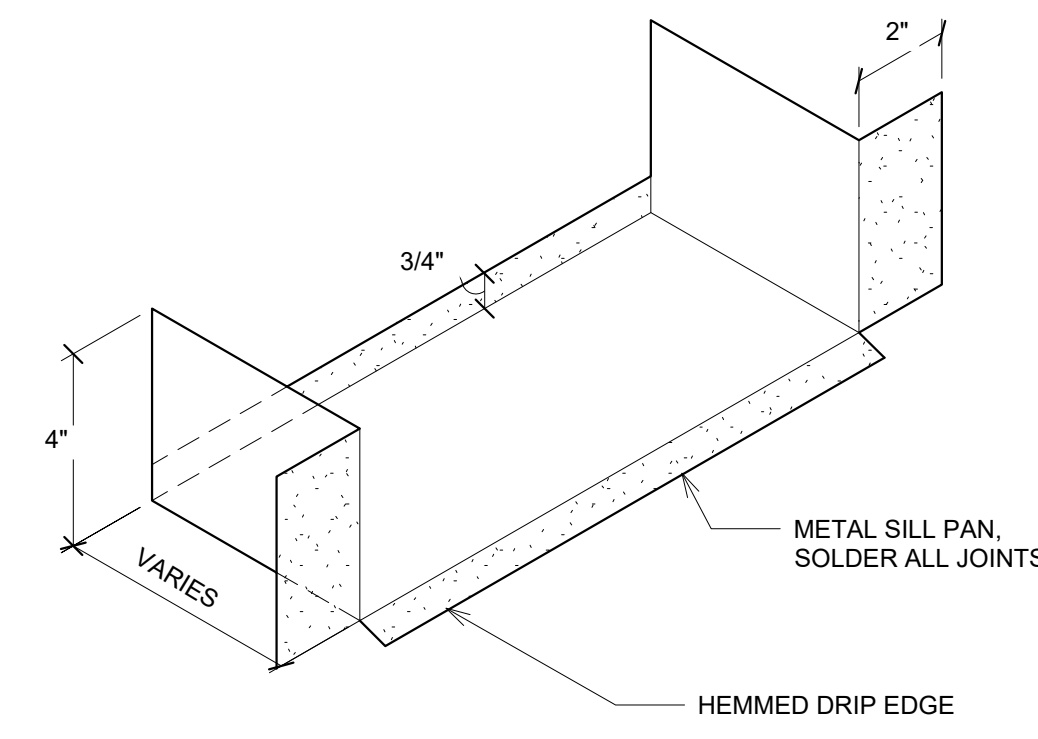
4 WINDOW JAMB
 3" = 1'-0"



2 WINDOW HEAD
 3" = 1'-0"



5 WINDOW SILL
 3" = 1'-0"



3 SILL PAN
 3" = 1'-0"

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**DOOR & WINDOW
 DETAILS**

SCALE: As indicated

STRUCTURAL PROJECT DATA

- 1. PLANS AND CALCULATIONS FOR THE STRUCTURAL DESIGN WERE BASED UPON: 2022 CALIFORNIA BUILDING CODE
2. DESIGN LOADS ARE AS FOLLOWS: VERTICAL ROOF DEAD LOAD 13 PSF, ROOF LIVE LOAD 20 PSF AND REDUCED PER CODE. LATERAL WIND PER ASCE 7-16 92 MPH BASIC WIND SPEED (3 SECOND GUST). SEISMIC PER ASCE 7-16 RISK CATEGORY II. FOUNDATION BEARING PRESSURES 1200 PSF DEAD LOAD, 1500 PSF DEAD + LIVE LOAD, 2000 PSF TOTAL LOADS.
3. DESIGN LOADS FOR WOOD TRUSSES ARE AS FOLLOWS: ROOF DEAD LOAD 11 PSF + SELF WEIGHT, LIVE LOAD 20 PSF AND REDUCED PER CODE, CONCENTRATED LIVE LOAD 200 LBS ANYWHERE OVER A 2 1/2' x 2 1/2' AREA, WIND LOAD 15 PSF DOWNWARD, 10 PSF UPWARD.
4. FINISHES AND COMPONENT WEIGHT LIMITS: ROOFING MATERIALS 3 PSF MAX, EXTERIOR STUD WALL FINISHES 16 PSF, ROOF PHOTOVOLTAIC PANELS 0.9 PSF (APPLICABLE TO SEISMIC LOADS).

STRUCTURAL SPECIAL INSPECTION AND TESTING

GENERAL: THESE PROVISIONS SHALL GOVERN THE QUALITY, WORKMANSHIP, AND REQUIREMENTS FOR WORK COVERED. MATERIALS OF CONSTRUCTION AND TESTS MUST CONFORM TO THE 2022 CBC. THE CONTRACTOR MUST PROVIDE A MINIMUM 48 HOUR NOTICE TO THE SPECIAL INSPECTION AGENCY FOR WORK THAT REQUIRES SPECIAL INSPECTION.
DEFINITIONS: CONTINUOUS SPECIAL INSPECTION: THE FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED.
REFERENCE STANDARDS: CALIFORNIA BUILDING CODE 2022 (CBC) AND ALL STANDARDS REFERENCED BY THE CBC.
REPORT REQUIREMENTS: SPECIAL INSPECTORS MUST KEEP RECORDS OF INSPECTIONS, AND MUST FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.
SCHEDULE OF STRUCTURAL INSPECTION AND TESTING: CONCRETE - REVIEW CERTIFIED MILL TEST REPORTS FOR REINFORCING STEEL, PERIODICALLY INSPECT REINFORCING STEEL AND PLACEMENT, PERIODICALLY INSPECT ANCHOR RODS AND ANCHOR BOLTS PRIOR TO CONCRETE PLACEMENT, VERIFY USE OF ENGINEER OF RECORD REVIEWED MIX DESIGN AND MATERIAL CERTIFICATE, CONTINUOUSLY INSPECT CONCRETE PLACEMENT, PERIODICALLY INSPECT CURING MATERIAL FOR CONFORMANCE WITH APPROVED CONTRACT DOCUMENTS AND PLACEMENT, PERIODICALLY INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS, FABRICATE 4"x8" OR 6"x12" CYLINDER TEST SPECIMENS, PERFORM SLUMP TESTING AT THE TIME CONCRETE IS SAMPLED, PERFORM AIR CONTENT TESTING AT THE TIME CONCRETE IS SAMPLED, RECORD TEMPERATURE OF CONCRETE AT THE TIME CONCRETE IS SAMPLED, PERFORM CONCRETE COMPRESSION TESTING.
WOOD FRAMING - PERIODICALLY INSPECT ALL INSTALLED FABRICATED CONNECTORS EXCEPT HANGERS, POST BASES AND POST CAPS, PERIODICALLY INSPECT SILL PLATE BOLTING, PERIODICALLY INSPECT THE INSTALLATION OF HOLD-DOWNS AND STRAPS AT OPENINGS.

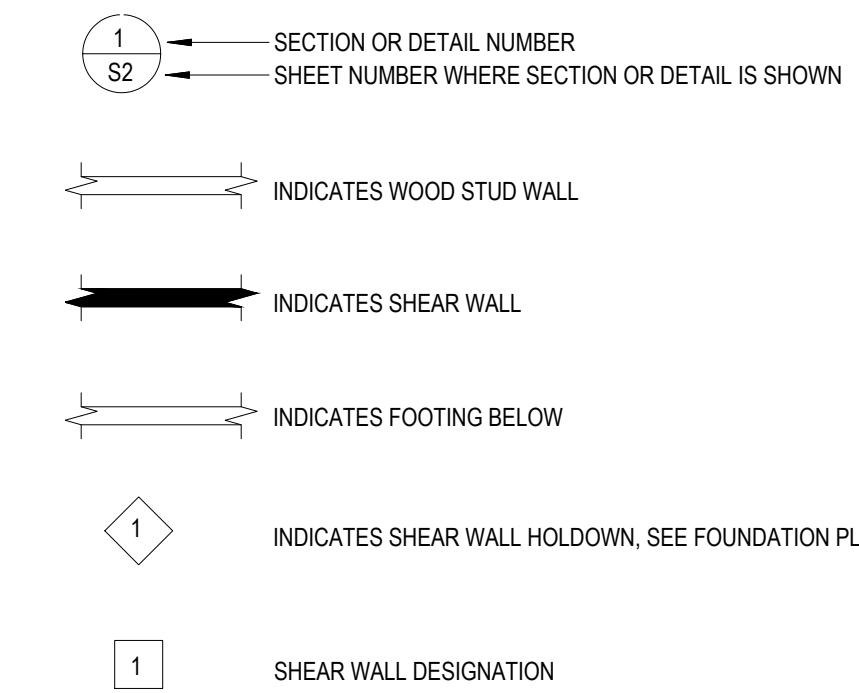
STRUCTURAL ABBREVIATIONS

Table listing structural abbreviations and their meanings. Includes terms like AT DIAMETER NUMBER, LB(S) POUND(S), LF LIVE LOAD, LLBB LONG LEGS BACK TO BACK, etc.

STRUCTURAL SHEET INDEX

Table with 2 columns: STRUCTURAL, STRUCTURAL COVER SHEET, S.1 FOUNDATION & ROOF FRAMING PLANS, S.2 SECTIONS AND DETAILS, S.3 SECTIONS AND DETAILS, S.4 SECTIONS AND DETAILS, S.5 EXTERIOR OPTION DETAILS.

STRUCTURAL SYMBOLS



STRUCTURAL GENERAL NOTES

- 1. GENERAL NOTES APPLY TO ALL DRAWINGS.
2. DO NOT SCALE DRAWINGS. SCALE IS SHOWN FOR REFERENCE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF THE STRUCTURAL WORK WITH THE ARCHITECTURAL, CIVIL, AND MEP CONTRACT DOCUMENTS, AS WELL AS ANY OTHER APPLICABLE TRADES.
3. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN, INSTALLATION, AND REMOVAL OF TEMPORARY BRACING AND CONSTRUCTION SUPPORTS REQUIRED TO COMPLETE THE PROJECT. NO PORTION OF THE STRUCTURE SHOULD BE CONSIDERED TO BE SELF SUPPORTING UNTIL THE ENTIRE VERTICAL AND LATERAL LOAD RESISTING SYSTEM IS COMPLETE.
4. THE CONTRACTOR MUST PROTECT AND SHORE ALL EXCAVATIONS WITH BRACING AND SHORING AS REQUIRED TO MAINTAIN SOIL STABILITY.
5. CONSTRUCT THOSE FEATURES OF THE PROJECT, WHICH MAY NOT BE FULLY SHOWN IN A MANNER SIMILAR TO THAT USED FOR SIMILAR FEATURES.
6. CENTERLINES OF FOUNDATION GRADE BEAMS COINCIDE WITH CENTERLINES OF WALLS, UON.
7. CENTERLINES OF FRAMING MEMBERS COINCIDE WITH POST CENTERLINES, UON.
8. SEE ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF OPENINGS. VERIFY SIZE AND LOCATION OF ALL OPENINGS WITH ARCHITECTURAL DRAWINGS.
9. CONSTRUCTION LIABILITY: THE CONSTRUCTION CONTRACTOR AND HIS SUBCONTRACTORS AGREE THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONSTRUCTION CONTRACTOR AND HIS SUBCONTRACTORS WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT LIMITED TO NORMAL WORKING HOURS, AND THE CONSTRUCTION CONTRACTOR AND HIS SUBCONTRACTORS FURTHER AGREE TO DEFEND, INDEMNIFY AND HOLD THE DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL.

LIMITATIONS OF USE

- 1. DRAWINGS ARE ONLY APPLICABLE TO THE 2022 CALIFORNIA BUILDING CODE. DRAWINGS DO NOT APPLY TO SUBSEQUENT CODES.
2. SITE MUST BE LEVEL ON NATIVE OR CUT GRADE.
3. SEISMIC GROUND ACCELERATION (Sds) IS LIMITED TO 2.00 MAX.
4. APPLICABLE TO SITES IN UNINCORPORATED LAND LOCATED IN SANTA CLARA COUNTY ONLY.



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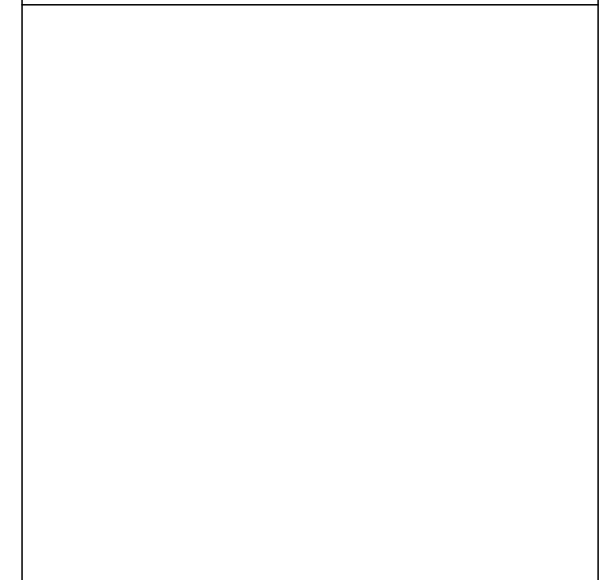
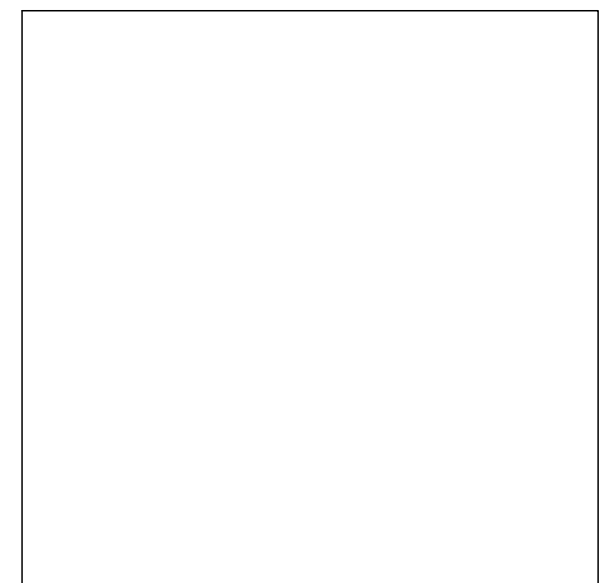


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PROJECT TITLE:
SCC STANDARD
ADU - 1200 SF
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COUNTY PERMIT # DEV2X-XXXX
DATE: Issue Date

SHEET TITLE:

STRUCTURAL COVER SHEET

SCALE: As indicated



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SHOP-FABRICATED WOOD TRUSSES

SHOP-FABRICATED WOOD TRUSSES MUST CONFORM TO THE CURRENT GOVERNING CBC.

DESIGN REQUIREMENTS

- A. THE ROOF TRUSS DESIGNER MUST COORDINATE THE SIZE AND LOCATION OF BRIDGING AS REQUIRED TO BRACE TRUSSES.
- B. DESIGN ROOF LIVE, DEAD, WIND AND SEISMIC LOAD: SEE CONTRACT DRAWINGS. MAXIMUM ALLOWABLE DEFLECTION AS FOLLOWS:
 LIVE LOAD L/360 1" MAXIMUM
 DEAD + LIVE LOAD L/240
 WIND LOAD L/360

QUALITY ASSURANCE

- A. TRUSS DESIGN, FABRICATION, AND INSTALLATION: IN ACCORDANCE WITH CALIFORNIA BUILDING CODE, TPI 1, TPI D38-89, AND BCSI 1 EXCEPT WHERE MORE STRINGENT REQUIREMENTS ARE SHOWN OR SPECIFIED.
- B. FABRICATOR QUALIFICATIONS: COMPANY SPECIALIZING IN DESIGN, FABRICATION AND ERECTION OF THE PRODUCTS SPECIFIED IN THIS SECTION WITH MINIMUM 5 YEARS OF DOCUMENTED EXPERIENCE.

FOUNDATION NOTES

1. FOOTINGS AND SLAB ON GRADE SHALL BE LOCATED ON LEVEL NATIVE SOIL. INSTALLATION ON SLOPING GRADE OR GRADE SUPPORTED BY RETAINING WALLS IS NOT ALLOWED.
2. CONCRETE SLAB SECTION SHALL BE AS FOLLOWS:
 - 4" CONCRETE SLAB W/ 6X6-W4X4 WWR, 3" CLEAR TO BOTTOM OF SLAB
 - 10 MIL VAPOR BARRIER
 - 5" CLASS II AGGREGATE BASE/ROCK
 - EXISTING SUBGRADE AND BASE/ROCK COMPACTED TO 95% RELATIVE COMPACTION
3. CONCRETE MUST HAVE $f_c = 3000$ PSI (MIN) AND WATER/CEMENT RATIO = 0.55 MAX.
4. ANCHOR BOLTS MUST NOT BE WET-SET.
5. SEE S3 FOR TYPICAL CONCRETE DETAILS.
6. CONTROL JOINTS ARE TO BE INSTALLED 12'-0" OC MAX. CONTROL JOINTS SHALL BE MADE BY SAW CUTTING SLAB WITH THE SOFF-CUT SYSTEM OR APPROVED EQUAL AS SOON AS THE SURFACE IS FIRM ENOUGH SO THAT IT WILL NOT BE DAMAGED BY THE BLADE, USUALLY WITHIN 2 TO 4 HOURS AFTER FINAL FINISHING (NO LATER THAN 8 HOURS AFTER PLACEMENT). SAW CUT DEPTH SHALL BE 1/4 OF THE SLAB DEPTH (1 1/2" MAX).

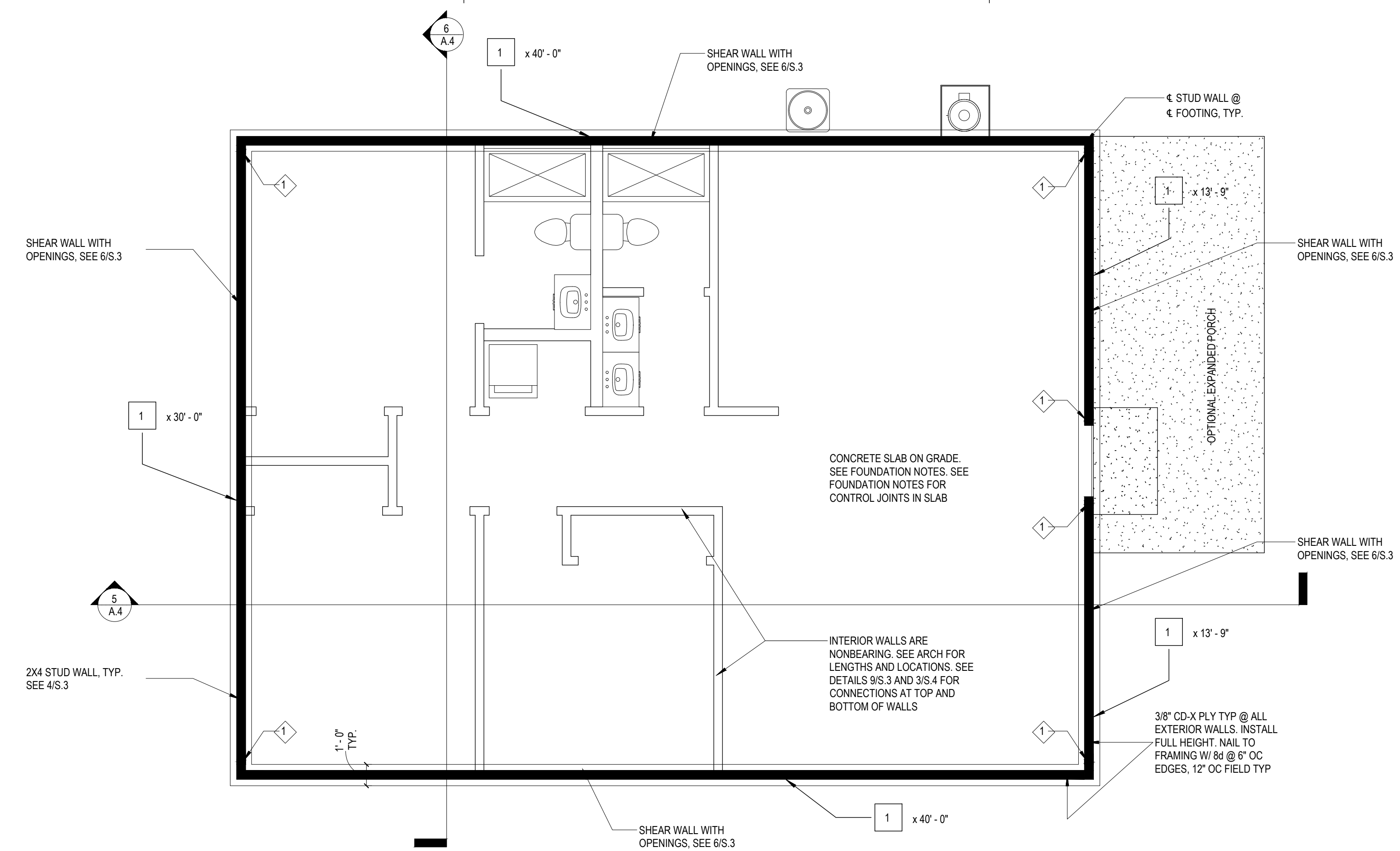
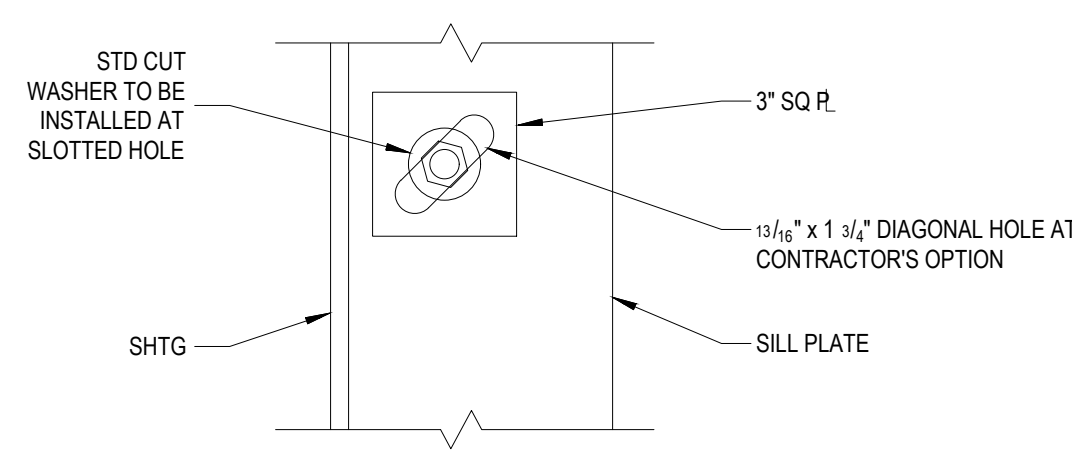
- 1 INDICATES SIMPSON HDU2-SDS2.5, SEE 8/S.3
- 1 x 13'-9" INDICATES WALL PLY TYPE AND MIN LENGTH. SEE SHEAR WALL SCHEDULE

SHEAR WALL SCHEDULE (SFRS)

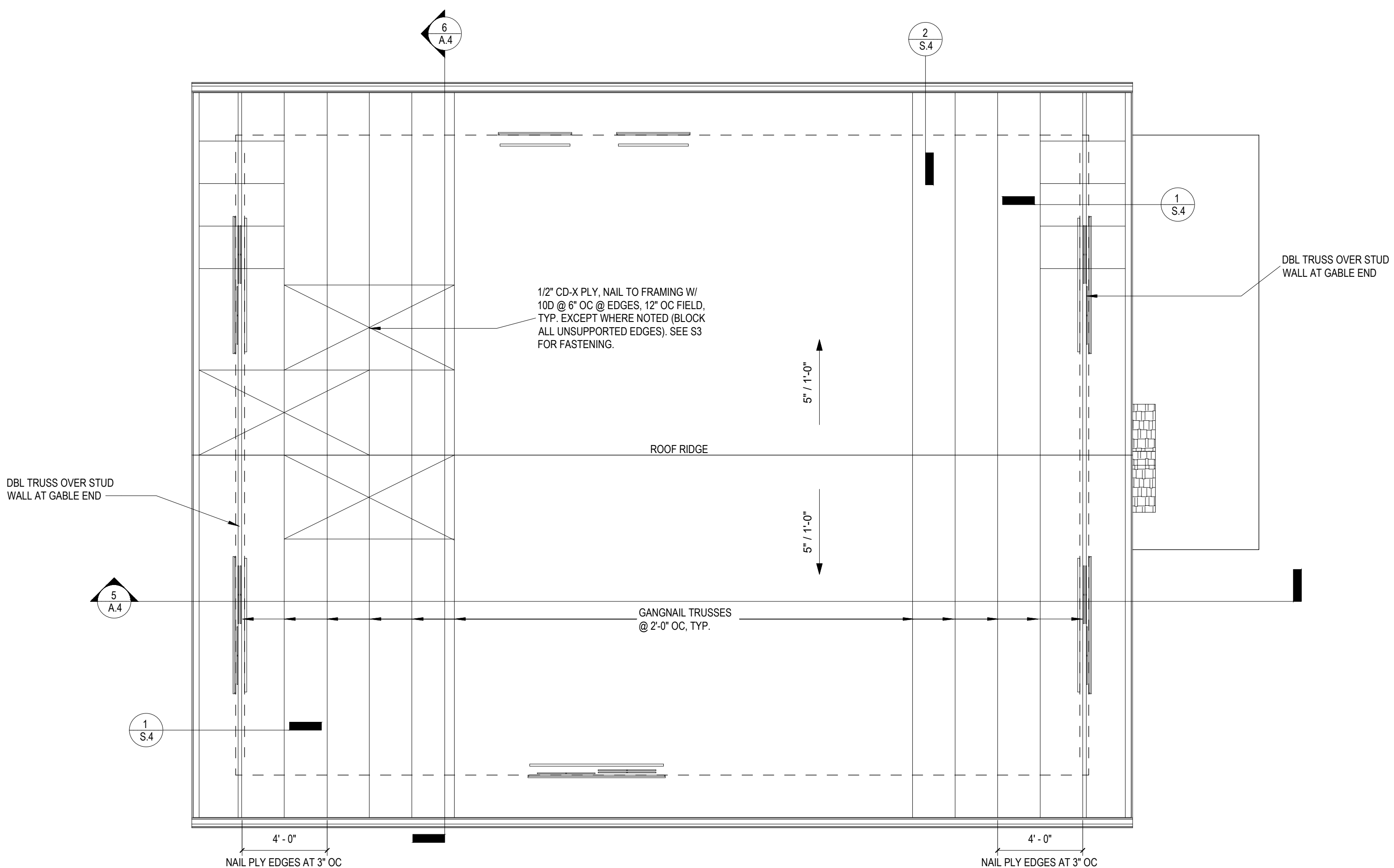
TYPE	RATED SHTG	EDGE FASTENING	FIELD FASTENING	SILL PLATE CONNECTION
		NAILS	NAILS	BOLTED
1	3/8" SHTG	6" OC	12" OC	5/8" Ø AB 4'-0" OC W/ 8" EMBED

REMARKS:

1. FASTENING APPLIES TO ALL STUDS, TOP AND BOTTOM PLATES AND BLOCKING
2. ANCHOR BOLT WASHER SHALL BE 0.228" X 3" SQ PLATE WASHER, SEE WASHER DETAIL.
3. MINIMUM SILL PLATE NAILING EDGE DISTANCE SHALL BE 5/8"
4. SHEATHING SHALL BE EDGE FASTENED AT ALL PANEL EDGES, TOP PLATES, SILL PLATES, HOLDOWN POSTS, WOOD POSTS, AND BLOCKING LOCATIONS AS WELL AS OTHER LOCATIONS SHOWN IN THE DRAWINGS.
5. FASTENERS SHALL BE 8D COMMON, 8D GALVANIZED (HOT-DIPPED OR TUMBLED) BOX NAILS.
6. INSTALL 2X OR WIDER FRAMING & BLOCKING AT ALL ADJOINING PANEL EDGES.
7. ALL SHEAR WALLS MUST HAVE 4 SILL ANCHORS MIN, EQUALLY SPACED.



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



2 ROOF FRAMING
 1/4" = 1'-0"

ROUGH CARPENTRY

ROUGH CARPENTRY MUST CONFORM TO THE CURRENT GOVERNING CRC EXCEPT WHERE MORE STRINGENT REQUIREMENTS ARE SHOWN OR SPECIFIED.

GENERAL REQUIREMENTS

- A. SAWN LUMBER FRAMING: COMPLY WITH PS 20 AND REQUIREMENTS OF SPECIFIED GRADING AGENCIES. SPECIES: DOUGLAS FIR-LARCH.

DIMENSION LUMBER

- A. GRADING AGENCY: WEST COAST LUMBER INSPECTION BUREAU (WCLIB).
- B. NOMINAL SIZES AS INDICATED ON DRAWINGS.
- C. MOISTURE CONTENT: HOLDOWN POSTS MUST BE AT MOISTURE CONTENT OF 19 PERCENT OR LESS AT THE TIME OF HOLDOWN INSTALLATION.
- D. STUD FRAMING AND BLOCKING GRADE: 2X4: NO. 1 (1000FB), UNLESS NOTED OTHERWISE.
- E. 2X, 3X AND 4X MEMBERS EXCEPT STUDS, LEDGERS, AND POSTS:
 - GRADE: NO. 1 & BTR.
 - POSTS (4X4 AND 4X8): NO. 1 (1500FC).
 - LEDGER: NO. 1 (1000FB).

NO.	DATE	REVISIONS

PROJECT TITLE:

**SCC STANDARD
 ADU - 1200 SF**

Enter address here

COUNTY PERMIT # _____
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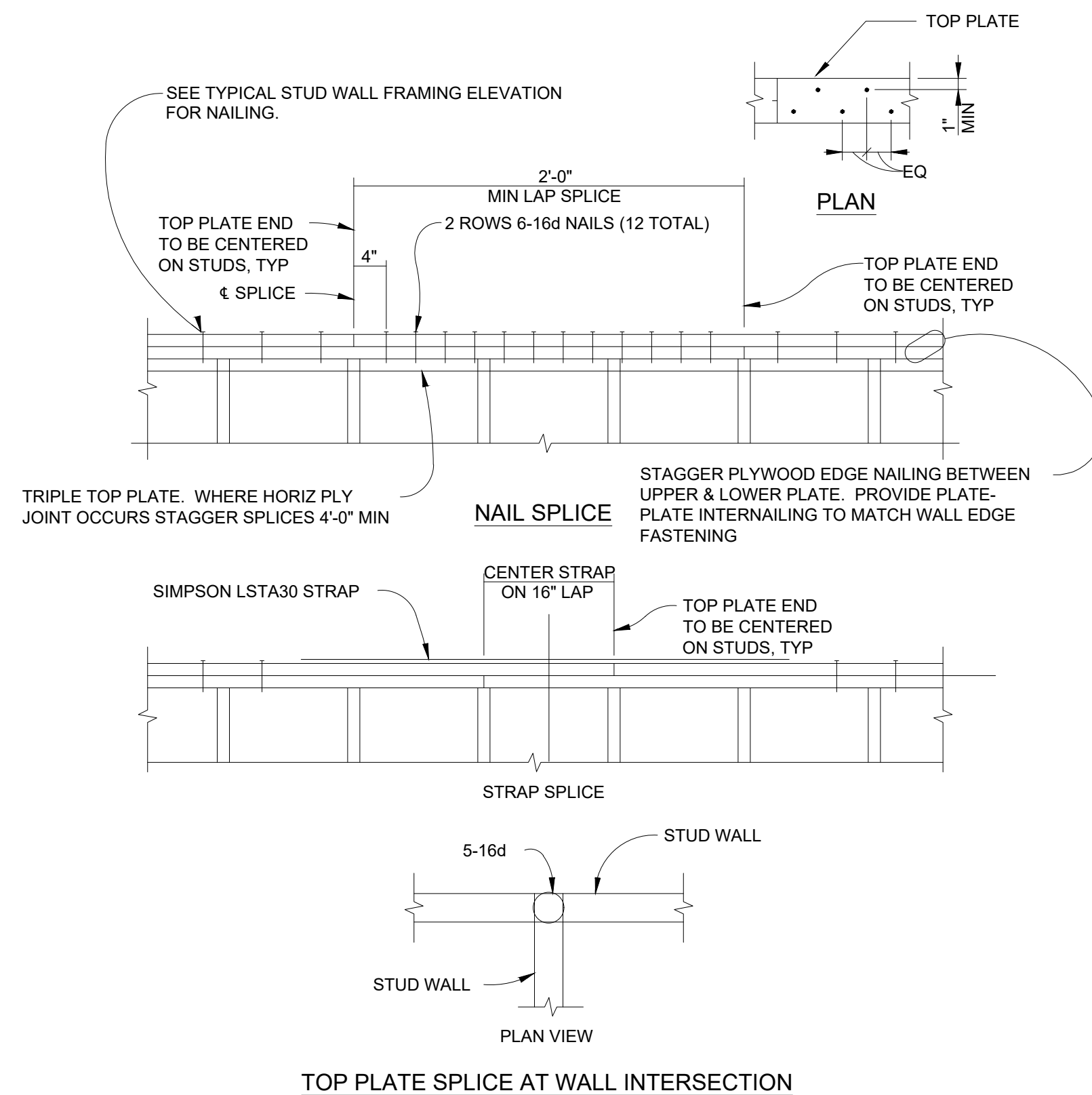
**FOUNDATION &
 ROOF FRAMING
 PLANS**

SCALE: As indicated

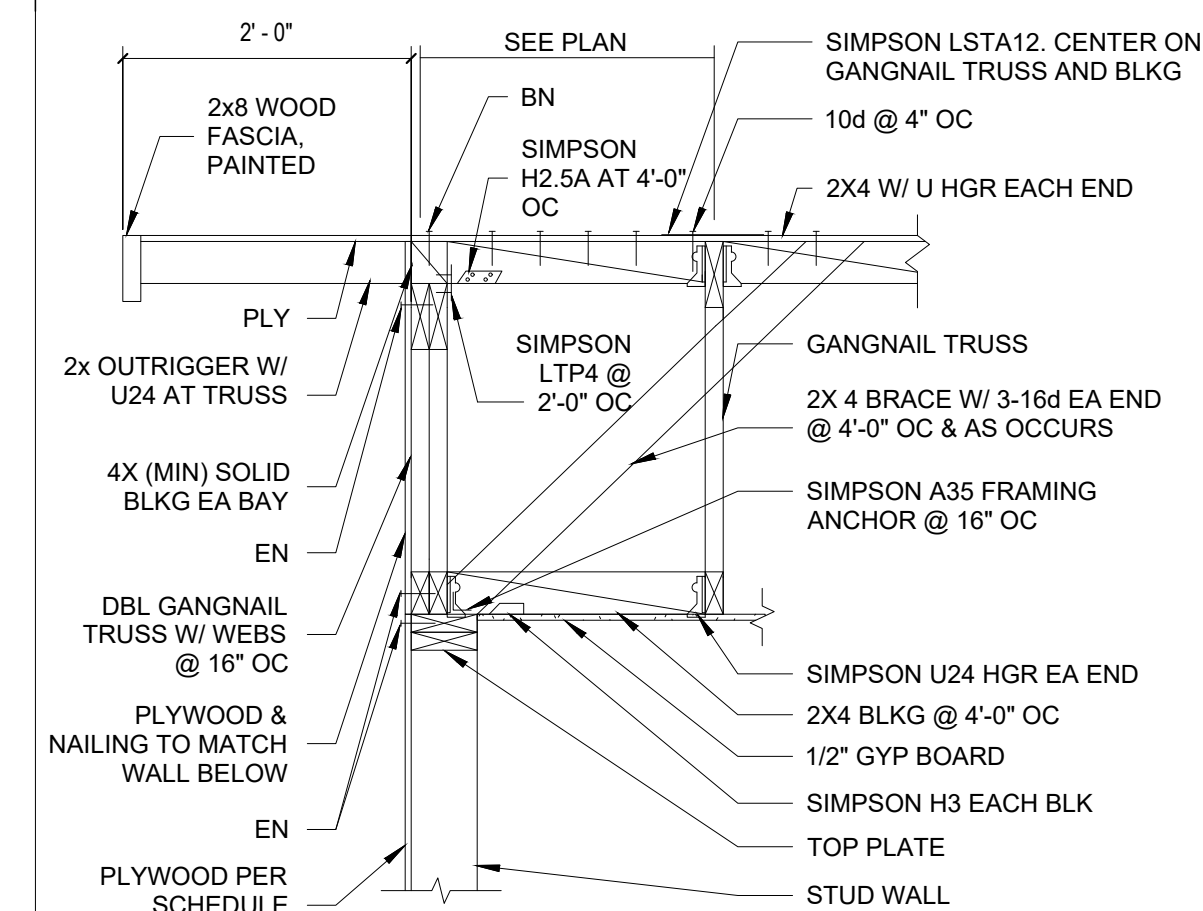


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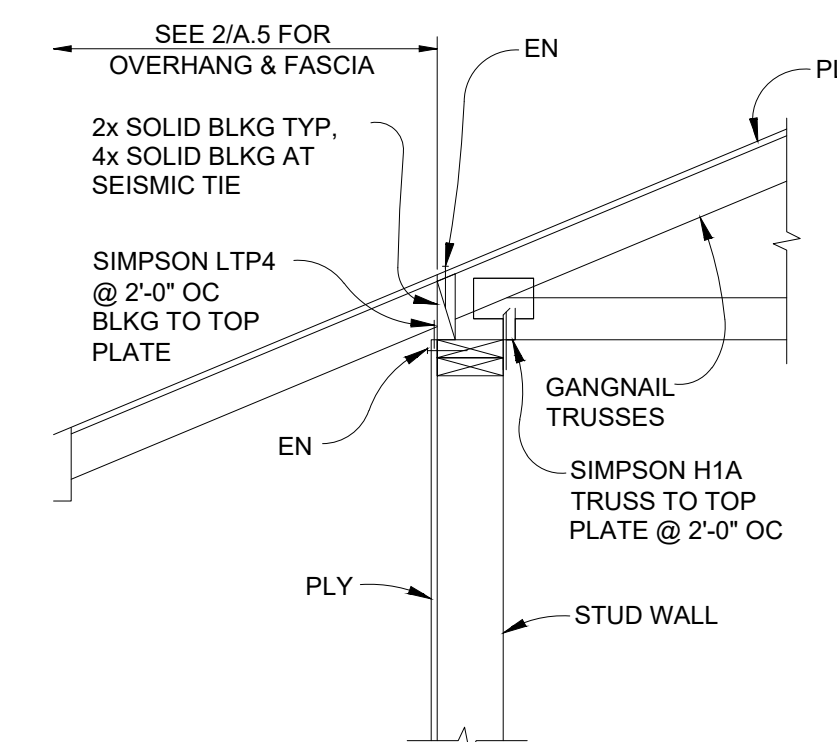
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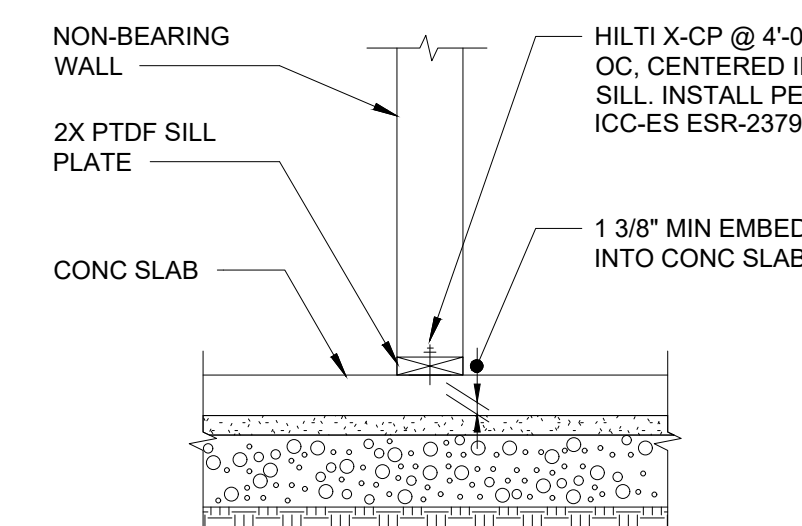
4 TYPICAL PLATE SPLICE
 3/4" = 1'-0"



1 SECTION 1/S4
 3/4" = 1'-0"



2 SECTION 2/S4
 3/4" = 1'-0"



3 NON-BEARING WALL TO SLAB SECTION
 3/4" = 1'-0"

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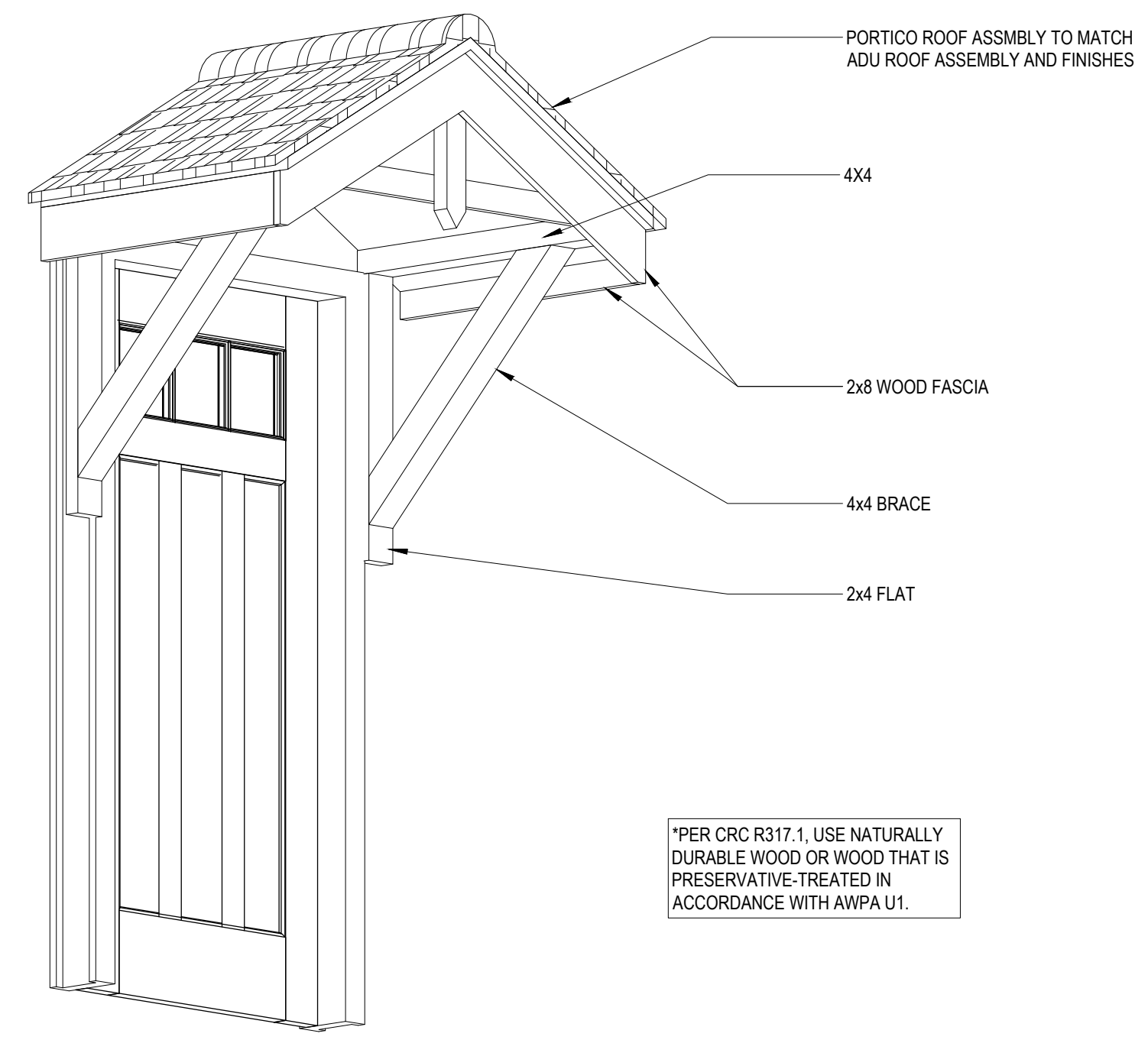
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**SECTIONS AND
 DETAILS**

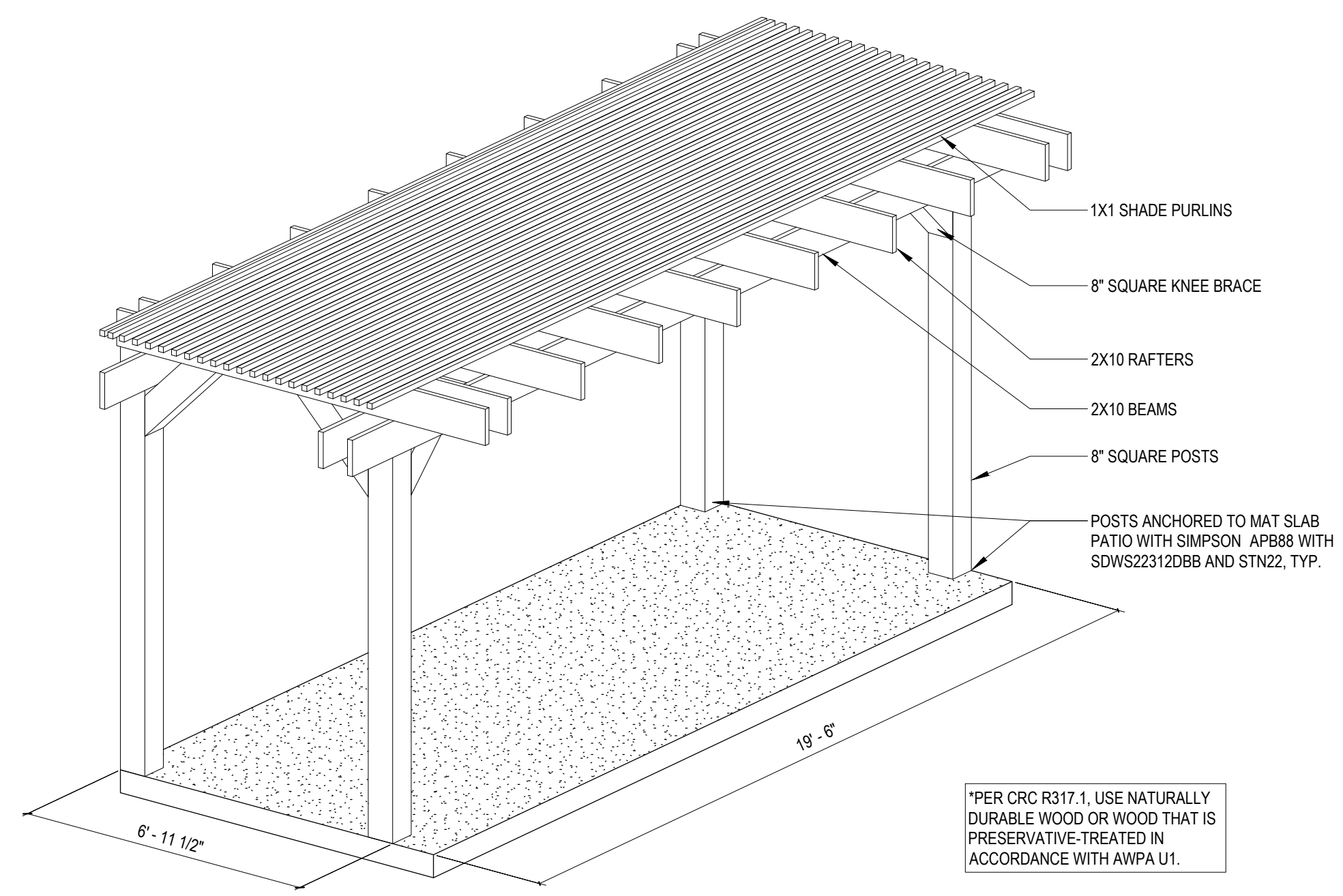
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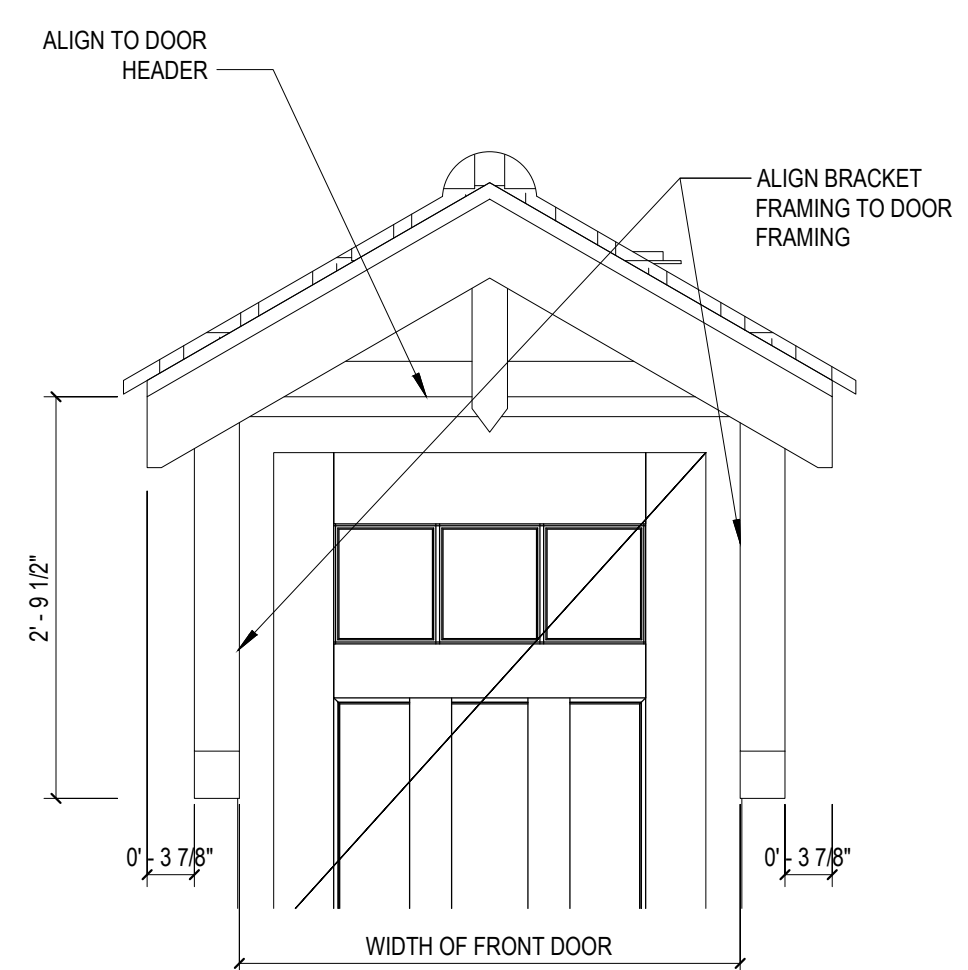
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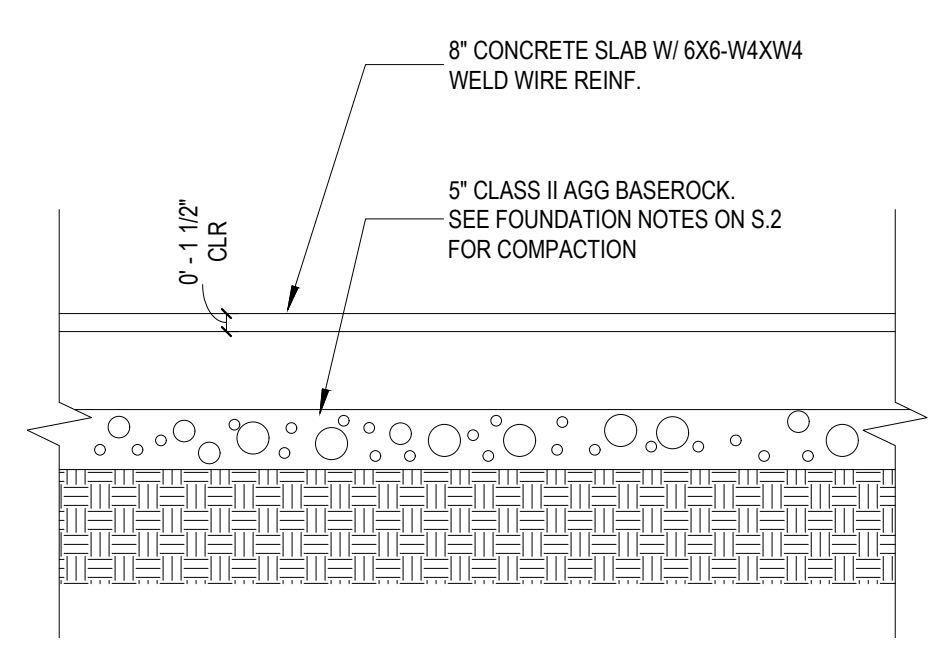
4 OPTIONAL EXAMPLE PORTICO ISOMETRIC
 3/4" = 1'-0"



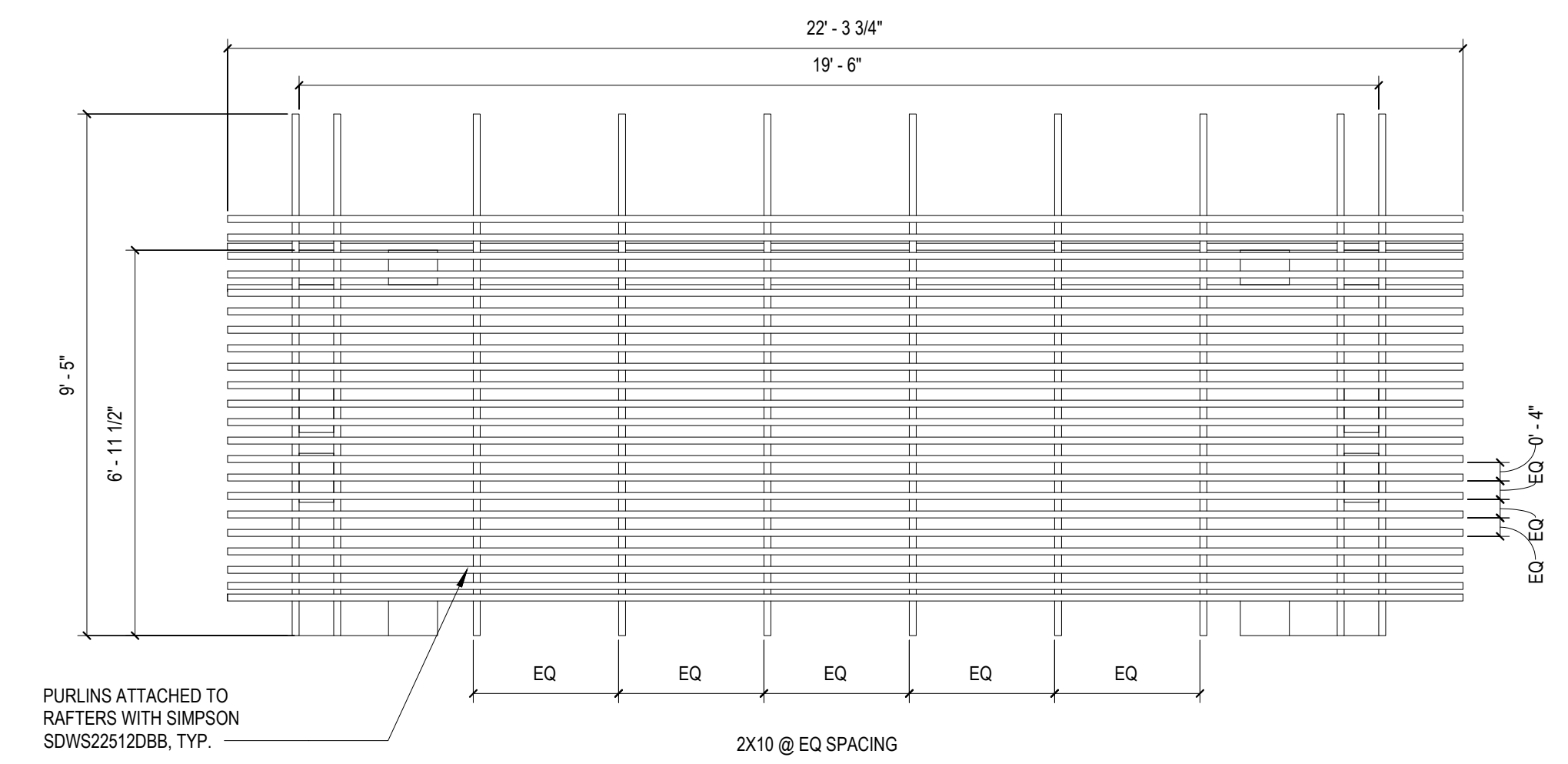
1 OPTIONAL EXAMPLE PERGOLA ISOMETRIC
 3/8" = 1'-0"



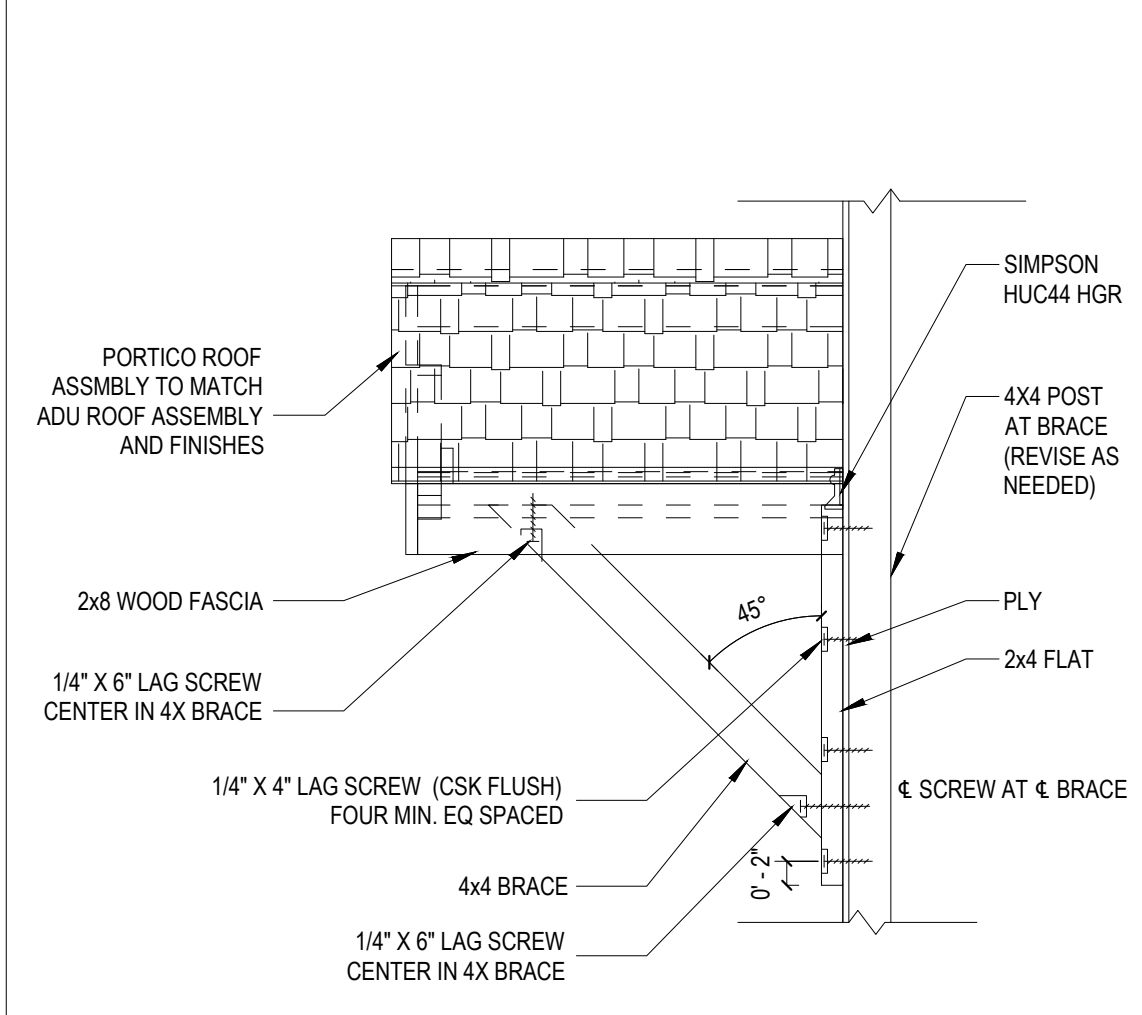
7 PORTICO - FRONT ELEVATION
 3/4" = 1'-0"



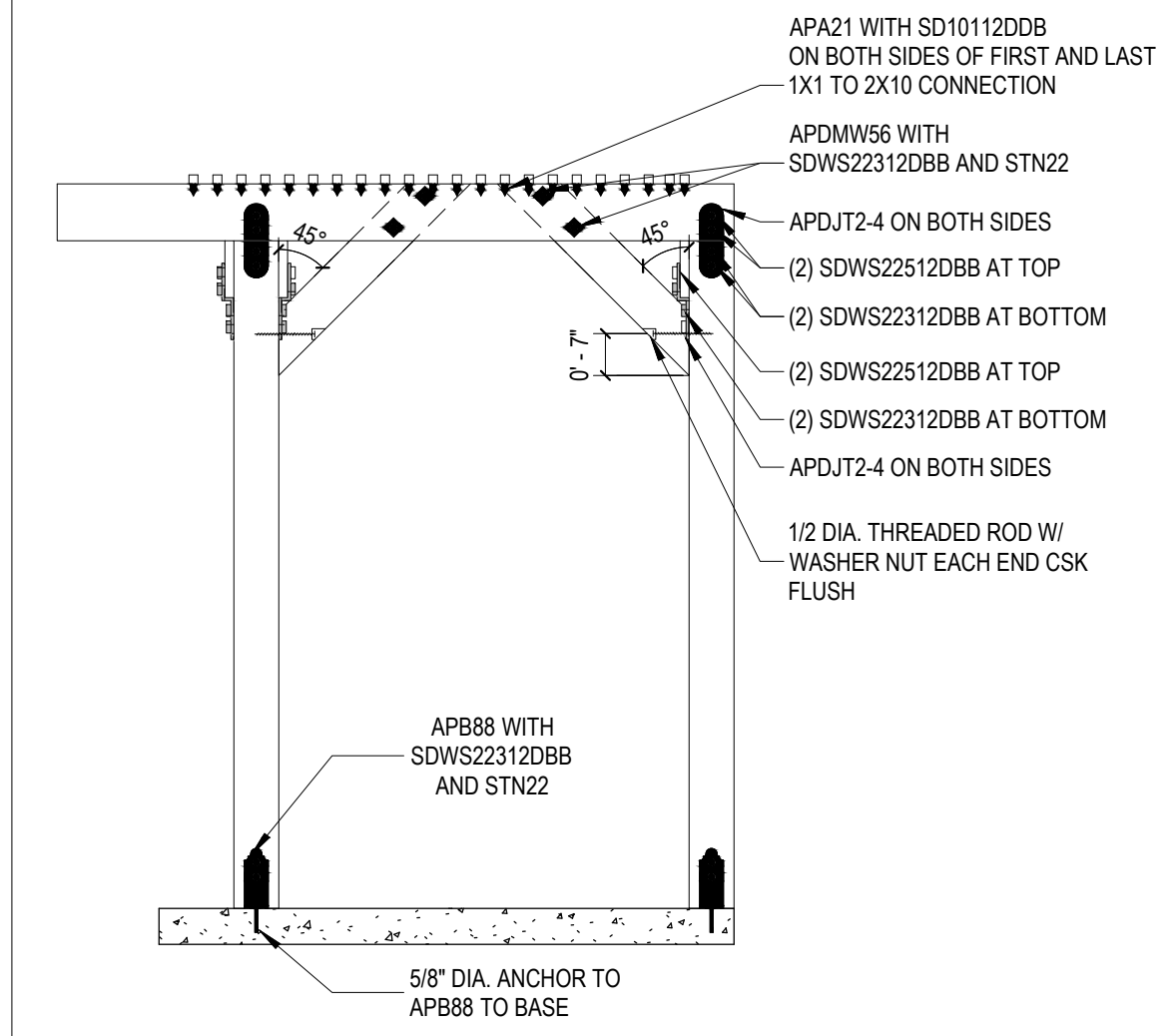
5 PATIO MAT SLAB
 3/4" = 1'-0"



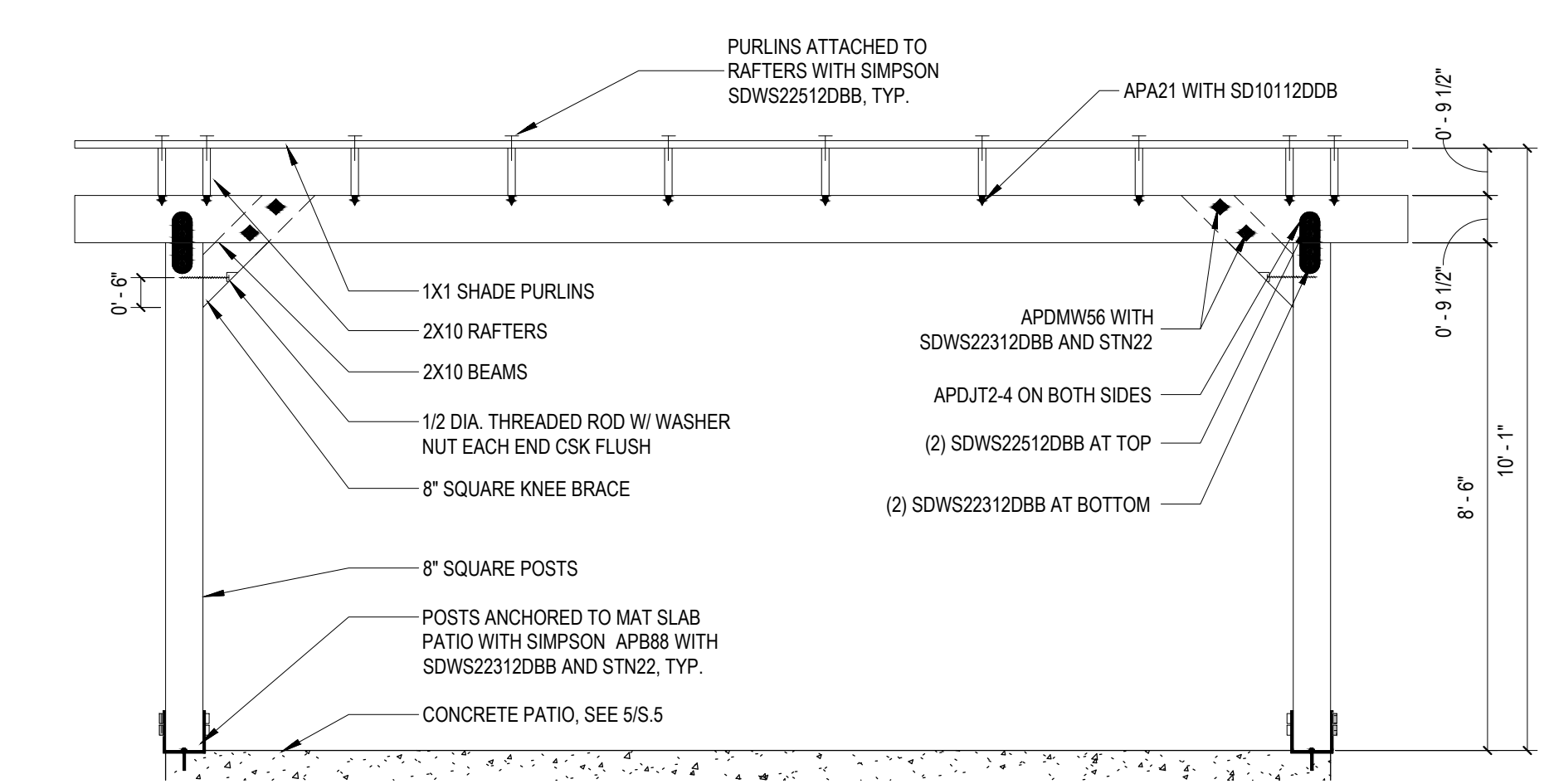
2 OPTIONAL EXAMPLE PERGOLA - ROOF PLAN
 3/8" = 1'-0"



8 PORTICO - LEFT ELEVATION
 3/4" = 1'-0"



6 PERGOLA - LEFT ELEVATION
 3/8" = 1'-0"



3 PERGOLA - FRONT ELEVATION
 3/8" = 1'-0"

NO.	DATE	REVISIONS

PROJECT TITLE:
SCC STANDARD ADU - 1200 SF

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 SHEET TITLE:

EXTERIOR OPTION DETAILS

SCALE: As indicated



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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

- Quality insulation installation (QII)
- Indoor air quality ventilation
- Kitchen range hood
- Minimum Airflow
- Verified EER/EER2
- Verified Refrigerant Charge
- Fan Efficiency Warts/CFM
- Verified HSPF
- Verified heat pump rated heating capacity
- Duct leakage testing
- Ducts located within the conditioned space (except < 12 linear ft)

BUILDING - FEATURES INFORMATION

01	02	03	04	05	06	07
Project Name	Conditioned Floor Area (ft ²)	Number of Dwelling Units	Number of Bedrooms	Number of Bathrooms	Number of Ventilation Cooling Systems	Number of Water Heating Systems
ADU 1200 sf Standard	1200	1	3	0	0	1

ZONE INFORMATION

01	02	03	04	05	06	07
Zone Name	Zone Type	HVAC System Name	Zone Floor Area (ft ²)	Avg. Ceiling Height	Water Heating System	Status
ADU 1200 sf	Conditioned	HVAC1	1200	8	DHW	new

OPAQUE SURFACES

01	02	03	04	05	06	07	08
Name	Zone	Construction	Azimuth	Orientation	Gross Area (ft ²)	Window and Door Area (ft ²)	Tilt
Exterior Wall North	ADU 1200 sf	R-21 Wall	0	Back	320	22	90
Exterior Wall South	ADU 1200 sf	R-21 Wall	180	Front	320	48	90
Exterior Wall East	ADU 1200 sf	R-21 Wall	90	Right	240	32	90

ENERGY USE SUMMARY

Energy Use	Standard Design Source Energy (EDR1) (kBtu/ft ² -yr)	Standard Design TDV Energy (EDR2) (kTDV/ft ² -yr)	Proposed Design Source Energy (EDR1) (kBtu/ft ² -yr)	Proposed Design TDV Energy (EDR2) (kTDV/ft ² -yr)	Compliance Margin (EDR1)	Compliance Margin (EDR2)
Space Heating	2.78	12.42	2.12	16.62	0.66	-4.2
Space Cooling	0.39	18.68	0.25	16.52	0.14	2.16
IAQ Ventilation	0.42	4.5	0.42	4.5	0	0
Water Heating	2.21	23.36	1.56	17.03	0.65	6.33
Self Utilizations/Flexibility Credit			0	0	0	0
Efficiency Compliance Total	5.8	58.96	4.35	54.67	1.45	4.29
Photovoltaics	-1.69	-58.09	-4.47	-145.39		
Battery			0	0		
Flexibility			0			
Indoor Lighting	0.8	7.92	0.8	7.92		
Appl. & Cooking	3.31	41.63	3.29	41.48		
Plug Loads	4.54	47.23	4.54	47.23		
Outdoor Lighting	0.2	1.77	0.2	1.77		
TOTAL COMPLIANCE	12.96	99.42	8.71	7.68		

GENERAL INFORMATION

01	Project Name	ADU 1200 sf Standard	05	Standards Version	2022
02	Run Title	Title 24 Analysis	06	Software Version	EnergyPro 9.3
03	Project Location	N/A	07	Front Orientation (deg/ Cardinal)	180
04	City	Santa Clara	08	Number of Dwelling Units	1
05	Zip code	95050	09	Number of Bedrooms	3
10	Building Type	Single family	10	Number of Stories	1
11	Project Scope	Newly Constructed	11	Number of Bedrooms	3
12	Existing Cond. Floor Area (ft ²)	n/a	12	ADU Conditioned Floor Area	n/a
13	ADU Conditioned Floor Area (ft ²)	1200	13	Fenestration Average U-factor	0.3
14	ADU Bedroom Count	n/a	14	Glazing Percentage (%)	12.50%
15	Fuel Type	All electric	15	No Dwelling Unit:	No

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

OPAQUE SURFACES

01	02	03	04	05	06	07	08
Name	Zone	Construction	Azimuth	Orientation	Gross Area (ft ²)	Window and Door Area (ft ²)	Tilt (deg)
Exterior Wall West	ADU 1200 sf	R-21 Wall	270	Left	240	48	90
Roof	ADU 1200 sf	R-38 Roof Attic	n/a	n/a	1200	n/a	n/a

ATTIC

01	02	03	04	05	06	07	08
Name	Construction	Type	Roof Rise (x in 12)	Roof Reflectance	Roof Emittance	Radiant Barrier	Cool Roof
Attic ADU 1200 sf	Attic Roof ADU 1200 sf	Ventilated	4	0.1	0.85	Yes	No

FENESTRATION / GLAZING

01	02	03	04	05	06	07	08	09	10	11	12	13	14
Name	Type	Surface	Orientation	Azimuth	Width (ft)	Height (ft)	Mult.	Area (ft ²)	U-factor	U-factor Source	SHGC	SHGC Source	Exterior Shading
Window	Window	Exterior Wall North	Back	0	0	22	1	22	0.3	NFRC	0.23	NFRC	Bug Screen
Window 2	Window	Exterior Wall South	Front	180			1	48	0.3	NFRC	0.23	NFRC	Bug Screen
Window 3	Window	Exterior Wall East	Right	90			1	32	0.3	NFRC	0.23	NFRC	Bug Screen
Window 4	Window	Exterior Wall West	Left	270			1	48	0.3	NFRC	0.23	NFRC	Bug Screen

ENERGY USE INTENSITY

	Standard Design (kBtu/ft ² -yr)	Proposed Design (kBtu/ft ² -yr)	Compliance Margin (kBtu/ft ² -yr)	Margin Percentage
Gross EUI ¹	19.36	17.2	2.16	11.16
Net EUI ²	8.86	6.32	19.28	215.18

Notes:
1. Gross EUI is Energy Use Total (not including PV) / Total Building Area.
2. Net EUI is Energy Use Total (including PV) / Total Building Area.

REQUIRED PV SYSTEMS

01	02	03	04	05	06	07	08	09	10	11	12
DC System Size (kWdc)	Exception	Module Type	Array Type	Power Electronics	CFI	Azimuth (deg)	Tilt Input (deg)	Array Angle (deg)	Tilt: (x in 12)	Inverter Eff. (%)	Annual Solar Access (%)
6.11	NA	Standard (14-17%)	Fixed	none	true	150-270	0	0	7:12	96	98

BATTERY SYSTEMS

01	02	03	04	05	06	07
Control	Capacity (kWh)	Charging Efficiency	Charging Rate (kW)	Discharging Efficiency	Discharging Rate (kW)	Round Trip Efficiency
Basic	5	0.95	n/a	0.95	n/a	0

REQUIRED SPECIAL FEATURES
The following are features that must be installed as condition for meeting the modeled energy performance for this computer analysis.

- Battery System: 5 kWh
- Non-standard duct location (any location other than attic)
- Northwest Energy Efficiency Alliance (NEEA) rated heat pump water heater; specific brand/model, or equivalent, must be installed

ENERGY DESIGN RATINGS

	Energy Design Ratings			Compliance Margins		
	Source Energy (EDR1)	Efficiency ¹ EDR (EDR2efficiency)	Total ² EDR (EDR2total)	Source Energy (EDR1)	Efficiency ¹ EDR (EDR2efficiency)	Total ² EDR (EDR2total)
Standard Design	36	44.8	38.6			
Proposed Design	24.2	41.6	3	11.8	3.2	35.6

RESULT²: PASS
¹Efficiency EDR includes improvements like a better building envelope and more efficient equipment
²Total EDR includes efficiency and demand response measures such as photovoltaic (PV) system and batteries
³Building complies when source energy, efficiency and total compliance margins are greater than or equal to zero and unmet load hour limits are not exceeded

- Standard Design PV Capacity: 2.31 kWdc
- Proposed PV kWh output exceeds proposed electricity use by 60% which may violate NEM Rules. Contact local utility.
- PV System resized to 6.11 kWdc (a factor of 6.11) to achieve "Maximum PV for Compliance Credit" PV scaling.

NO. DATE REVISIONS

NO.	DATE	REVISIONS

PROJECT TITLE:
SCC STANDARD
ADU - 1200 SF

Enter address here

COUNTY PERMIT # DEV2X-XXXX
DATE: Issue Date
SHEET TITLE:

TITLE 24 (SAMPLE ONLY)

SCALE:

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD

Project Name: ADU 1200 sf Standard
Calculation Description: Title 24 Analysis

Calculation Date/Time: 2024-07-24T20:09:42-07:00
Input File Name: ADU 1200 sf Standard 72424.rbd22x

CF1R-PRF-01-E
(Page 11 of 11)

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I, I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: _____
Signature Date: _____
Company: _____
Address: _____
City/State/Zip: _____

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:
1. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design and construction of this Certificate of Compliance.
2. I certify that the energy features and performance specifications identified on this Certificate of Compliance are consistent with the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
3. The building design features or system design features identified on this Certificate of Compliance are consistent with the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

Responsible Designer Name: _____
Date Signed: _____
Company: _____
Address: _____
City/State/Zip: _____

Digitally signed by CaCERTS. This digital signature is provided in order to secure the content of this registered document, and in no way implies Registration Provider responsibility for the accuracy of the information.



Registration Number: 224-P010095928A-000-000-0000000-0000

Registration Date/Time: 2024-07-24 20:15:40

HERS Provider: CaCERTS Inc.

CA Building Energy Efficiency Standards - 2022 Residential Compliance

Report Version: 2022.0.000

Report Generated: 2024-07-24 20:10:17

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD

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Calculation Description: Title 24 Analysis

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CF1R-PRF-01-E
(Page 9 of 11)

SPACE CONDITIONING SYSTEMS

Table with 9 columns: 01-09. Headers: Name, System Type, Heating Unit Name, Heating Equipment Count, Cooling Unit Name, Cooling Equipment Count, Fan Name, Distribution Name, Required Thermostat Type. Row 1: HVAC1, Heat pump heating/cooling, Heat Pump System 1, 1, Heat Pump System 1, 1, HVAC Fan 1, Air Distribution System 1, Setback.

HVAC - HEAT PUMPS

Table with 13 columns: 01-13. Headers: Name, System Type, Number of Units, Heating Efficiency Type, HSPF/HS PF2/COP, Cap 47, Cap 17, Cooling Efficiency Type, SEER/SE ER2, EER/EE R2/CEER, Zonally Controlled, Compressor Type, HERS Verification. Row 1: Heat Pump System 1, Central split HP, 1, HSPF, 10, 80000, 60000, EER/SEER, 15, 12.3, Not Zonal, Single Speed, Heat Pump System 1-hers-htpump.

HVAC HEAT PUMPS - HERS VERIFICATION

Table with 9 columns: 01-09. Headers: Name, Verified Airflow, Airflow Target, Verified EER/SEER2, Verified SEER/SEER2, Verified Refrigerant Charge, Verified HSPF/HS PF2, Verified Heating Cap 47, Verified Heating Cap 17. Row 1: Heat Pump System 1-hers-htpump, Required, 350, Required, Not Required, Yes, Yes, Yes, Yes.

HVAC - DISTRIBUTION SYSTEMS

Table with 12 columns: 01-12. Headers: Name, Type, Design Type, Duct Ins. R-value, Duct Location, Surface Area, Bypass Duct, Duct Leakage, HERS Verification. Row 1: Air Distribution System 1, Conditioned space - except 12ft, Non-Verified, R-8, R-8, Conditioned Zone, n/a, n/a, No Bypass Duct, Sealed and Tested, Air Distribution System 1-hers-dist.

Registration Number: 224-P010095928A-000-000-0000000-0000

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CF1R-PRF-01-E
(Page 7 of 11)

SLAB FLOORS

Table with 8 columns: 01-08. Headers: Name, Zone, Area (ft²), Perimeter (ft), Edge Insul. R-value and Depth, Edge Insul. R-value and Depth, Carpeted Fraction, Heated. Row 1: Slab-on-Grade, ADU 1200 sf, 1200, 140, none, 0, 80%, No.

OPAQUE SURFACE CONSTRUCTIONS

Table with 8 columns: 01-08. Headers: Construction Name, Surface Type, Construction Type, Framing, Total Cavity R-value, Interior / Exterior Continuous R-value, U-factor, Assembly Layers. Row 1: R-21 Wall, Exterior Walls, Wood Framed Wall, 2x6 @ 16 in. O. C., R-21, None / None, 0.069, Inside Finish: Gypsum Board Cavity / Frame: R-21 / 2x6 Exterior Finish: 3 Coat Stucco.

BUILDING ENVELOPE - HERS VERIFICATION

Table with 5 columns: 01-05. Headers: Quality Insulation Installation (QII), High R-value Spray Foam Insulation, Building Envelope Air Leakage, CFM50, CFM50. Row 1: Required, Not Required, N/A, n/a, n/a.

Registration Number: 224-P010095928A-000-000-0000000-0000

Registration Date/Time: 2024-07-24 20:15:40

HERS Provider: CaCERTS Inc.

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CF1R-PRF-01-E
(Page 10 of 11)

HVAC DISTRIBUTION - HERS VERIFICATION

Table with 9 columns: 01-09. Headers: Name, Duct Leakage Verification, Duct Leakage Target (%), Verified Duct Location, Verified Duct Design, Buried Ducts, Deeply Buried Ducts, Low-leakage Air Handler, Low Leakage Ducts Entirely in Conditioned Space. Row 1: Air Distribution System 1-hers-dist, Yes, 5.0, Required, Verified, Not Required, Credit not taken, Not Required, No.

HVAC - FAN SYSTEMS

Table with 4 columns: 01-04. Headers: Name, Type, Fan Power (Watts/CFM), Name. Row 1: HVAC Fan 1, HVAC Fan, 0.45, HVAC Fan 1-hers-fan.

HVAC FAN SYSTEMS - HERS VERIFICATION

Table with 3 columns: 01-03. Headers: Name, Verified Fan Watt Draw, Required Fan Power (Watts/CFM). Row 1: HVAC Fan 1-hers-fan, Required, 0.45.

INDOOR AIR QUALITY (IAQ) FANS

Table with 8 columns: 01-08. Headers: 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. Row 1: SFam IAQVemRpt, 65, 0.35, Exhaust, No, n/a / n/a, No, Yes.

Registration Number: 224-P010095928A-000-000-0000000-0000

Registration Date/Time: 2024-07-24 20:15:40

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CF1R-PRF-01-E
(Page 8 of 11)

WATER HEATING SYSTEMS

Table with 9 columns: 01-09. Headers: Name, System Type, Distribution Type, Water Heater Name, Number of Units, Solar Heating System, Compact Distribution, HERS Verification, Water Heater Name (#). Row 1: DHW Sys 1, Domestic Hot Water (DHW), Standard, DHW Heater 1, DHW Heater 1-2, 1, n/a, None, n/a, DHW Heater 1 (1) DHW Heater 1-2 (1).

WATER HEATERS - NEEA HEAT PUMP

Table with 8 columns: 01-08. Headers: Name, # of Units, Tank Vol. (gal), NEEA Heat Pump Brand, NEEA Heat Pump Model, Tank Location, Duct Inlet Air Source, Duct Outlet Air Source. Row 1: DHW Heater 1, 1, 50, Generic, NEEA Tier 4 Generic 50, Outside, ADU 1200 sf, ADU 1200 sf.

WATER HEATING - HERS VERIFICATION

Table with 7 columns: 01-07. Headers: Name, Pipe Insulation, Parallel Piping, Compact Distribution, Compact Distribution Type, Recirculation Control, Shower Drain Water Heat Recovery. Row 1: DHW Sys 1 - 1/1, Not Required, Not Required, Not Required, None, Not Required, Not Required.

Registration Number: 224-P010095928A-000-000-0000000-0000

Registration Date/Time: 2024-07-24 20:15:40

HERS Provider: CaCERTS Inc.

CA Building Energy Efficiency Standards - 2022 Residential Compliance

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THE COUNTY OF SANTA CLARA

70 West Hedding Street
East Wing, 7th Floor
San Jose, California 95110
408.299.5700
https://www.santacruzcounty.gov

Table with 3 columns: NO., DATE, REVISIONS. Empty rows for tracking changes.

PROJECT TITLE:

SCC STANDARD
ADU - 1200 SF

Enter address here

COUNTY PERMIT # DEV2X-XXXX

DATE: Issue Date

SHEET TITLE:

TITLE 24 (SAMPLE
ONLY)

SCALE:

T.2



2022 Single-Family Residential Mandatory Requirements Summary

Table with 2 columns: Code (e.g., § 150.0(s), § 150.0(t), § 150.0(u), § 150.0(v)) and Description (Energy Storage System (ESS) Ready, Heat Pump Space Heater Ready, Electric Cooktop Ready, Electric Clothes Dryer Ready).

SAMPLE ONLY. APPLICANT SHALL PROVIDE ENERGY COMPLIANCE

5/6/22



2022 Single-Family Residential Mandatory Requirements Summary

Table with 2 columns: Code (e.g., § 150.0(m)13) and Description (Space Conditioning System Airflow Rate and Fan Efficacy).

Table with 2 columns: Code (e.g., § 150.0(o)1, § 150.0(o)1B, § 150.0(o)1C, § 150.0(o)1G, § 150.0(o)1H4, § 150.0(o)2) and Description (Ventilation and Indoor Air Quality, Whole-Dwelling Unit Mechanical Ventilation for Single-Family Detached and townhouses, Local Mechanical Exhaust, Airflow Measurement and Sound Ratings of Whole-Dwelling Unit Ventilation Systems, Field Verification and Diagnostic Testing).

Table with 2 columns: Code (e.g., § 110.4(a), § 110.4(b)1, § 110.4(b)2, § 110.4(b)3, § 110.5, § 150.0(p)) and Description (Pool and Spa Systems and Equipment, Certification by Manufacturers, Piping, Covers, Directional Inlets and Time Switches for Pools, Pilot Light, Pool Systems and Equipment Installation).

Table with 2 columns: Code (e.g., § 110.9, § 150.0(k)1A, § 150.0(k)1B, § 150.0(k)1C, § 150.0(k)1D, § 150.0(k)1E, § 150.0(k)1F) and Description (Lighting Controls and Components, Luminaire Efficacy, Recessed Downlight Luminaires in Ceilings, Light Sources in Enclosed or Recessed Luminaires, Blank Electrical Boxes, Lighting Integral to Exhaust Fans).

5/6/22



2022 Single-Family Residential Mandatory Requirements Summary

Table with 2 columns: Code (e.g., § 150.0(k)1G, § 150.0(k)1H, § 150.0(k)1I, § 150.0(k)2A, § 150.0(k)2B, § 150.0(k)2C, § 150.0(k)2D, § 150.0(k)2E, § 150.0(k)2F, § 150.0(k)2G, § 150.0(k)3A, § 150.0(k)4, § 150.0(k)5) and Description (Screw based luminaires, Light Sources in Enclosed or Recessed Luminaires, Light Sources in Drawers, Cabinets, and Linen Closets, Interior Switches and Controls, Accessible Controls, Multiple Controls, Energy Management Control Systems, Automatic Shutoff Controls, Dimmers, Independent controls, Residential Outdoor Lighting, Internally illuminated address signs, Residential Garages for Eight or More Vehicles).

Table with 2 columns: Code (e.g., § 110.10(a)1, § 110.10(b)1A, § 110.10(b)2, § 110.10(b)3A, § 110.10(b)3B, § 110.10(b)4, § 110.10(c), § 110.10(d), § 110.10(e)1, § 110.10(e)2) and Description (Solar Readiness, Single-family Residences, Minimum Solar Zone Area, Azimuth, Shading, Structural Design Loads on Construction Documents, Interconnection Pathways, Main Electrical Service Panel).

5/6/22



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 (e.g., § 110.6(a)1, § 110.6(a)5, § 110.6(b), § 110.7, § 110.8(a), § 110.8(b), § 110.8(c), § 110.8(d), § 110.8(e), § 150.0(b), § 150.0(c), § 150.0(d), § 150.0(f), § 150.0(g)1, § 150.0(g)2, § 150.0(h), § 110.5(e), § 150.0(e)1, § 150.0(e)2, § 150.0(e)3) and Description (Building Envelope, Air Leakage, Labeling, Field fabricated exterior doors and fenestration products, Insulation Certification by Manufacturers, Insulation Requirements for Heated Slab Floors, Roofing Products Solar Reflectance and Thermal Emittance, Radiant Barrier, Roof Deck, Ceiling and Rafter Roof Insulation, Loose-fill Insulation, Wall Insulation, Masonry walls must meet Tables 150.1-A or B, Raised-floor Insulation, Slab Edge Insulation, Vapor Retarder, Vapor Retarder, Fenestration Products, Fireplaces, Decorative Gas Appliances, and Gas Log, Pilot Light, Closable Doors, Combustion Intake, Flue Damper, Space Conditioning, Water Heating, and Plumbing System, HVAC Efficiency, Controls for Heat Pumps with Supplementary Electric Resistance Heaters, Thermostats, Insulation, Unlined service water heater storage tanks, Isolation Valves).

Table with 2 columns: Code (e.g., § 110.0-§ 110.3, § 110.2(a), § 110.2(b), § 110.2(c), § 110.3(c)3, § 110.3(c)6) and Description (Certification, Heating, ventilation, and air conditioning (HVAC) equipment, water heaters, showerheads, faucets, and all other regulated appliances must be certified by the manufacturer to the California Energy Commission, HVAC Efficiency, Controls for Heat Pumps with Supplementary Electric Resistance Heaters, Thermostats, Insulation, Unlined service water heater storage tanks, Isolation Valves).

5/6/22



2022 Single-Family Residential Mandatory Requirements Summary

Table with 2 columns: Code (e.g., § 110.5, § 150.0(h)1, § 150.0(h)3A, § 150.0(h)3B, § 150.0(j)1, § 150.0(j)2, § 150.0(n)1, § 150.0(n)3) and Description (Pilot Lights, Building Cooling and Heating Loads, Clearances, Liquid Line Drier, Water Piping, Solar Water-heating System Piping, and Space Conditioning System Line Insulation, Insulation Protection, Gas or Propane Water Heating Systems, Solar Water-heating Systems, Ducts and Fans, Ducts, CMC Compliance, Field-Fabricated Duct Systems, Field-Fabricated Duct Systems, Backdraft Damper, Gravity Ventilation Dampers, Protection of Insulation, Porous Inner Core Flex Duct, Duct System Sealing and Leakage Test, Air Filtration).

Table with 2 columns: Code (e.g., § 110.9(d)3, § 150.0(m)1, § 150.0(m)2, § 150.0(m)3, § 150.0(m)7, § 150.0(m)8, § 150.0(m)9, § 150.0(m)10, § 150.0(m)11, § 150.0(m)12) and Description (Ducts and Fans, Ducts, CMC Compliance, Field-Fabricated Duct Systems, Backdraft Damper, Gravity Ventilation Dampers, Protection of Insulation, Porous Inner Core Flex Duct, Duct System Sealing and Leakage Test, Air Filtration).

5/6/22



THE COUNTY OF SANTA CLARA

70 West Hedding Street
East Wing, 7th Floor
San Jose, California 95110
408.299.5700
https://www.santaclearaounty.gov

Table with 3 columns: NO., DATE, REVISIONS

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SCC STANDARD
ADU - 1200 SF

Enter address here

COUNTY PERMIT # DEV2X-XXXX

DATE: Issue Date

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TITLE 24 (SAMPLE ONLY)

SCALE: