

VICINITY MAP

THE SITE



0 MCALLISTER, RIVERSIDE, CA

GENERAL NOTES

AREA PLAN (INCLUDING WALLS)

NPDES NOTES

- NOTES MUST BE SHOWN AS WORDED ON THE TITLE SHEET OF THE PLAN.
- IN THE CASE OF EMERGENCY, CALL:
    - AT WORK PHONE #:
    - OR CELL PHONE #:
  - SEDIMENT FROM AREAS DISTURBED BY CONSTRUCTION SHALL BE RETAINED ON SITE USING STRUCTURAL CONTROLS TO THE MAXIMUM EXTENT PRACTICABLE.
  - STOCKPILES OF SOIL SHALL BE PROPERLY CONTAINED TO MINIMIZE SEDIMENT TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES OR ADJACENT PROPERTIES VIA RUNOFF, VEHICLE TRACKING, OR WIND.
  - APPROPRIATE BMPs FOR CONSTRUCTION RELATED MATERIALS, WASTES, SPILLS SHALL BE IMPLEMENTED TO MINIMIZE TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES, OR ADJOINING PROPERTIES BY WIND OR RUNOFF.
  - RUNOFF FROM EQUIPMENT AND VEHICLE WASHING SHALL BE CONTAINED AT CONSTRUCTION SITE UNLESS TREATED TO REDUCE OR REMOVE SEDIMENT AND OTHER POLLUTANTS.
  - ALL CONSTRUCTION CONTRACTOR AND SUBCONTRACTOR PERSONNEL ARE TO BE MADE AWARE OF THE REQUIRED BEST MANAGEMENT PRACTICES AND GOOD HOUSEKEEPING MEASURES FOR THE PROJECT SITE AND ANY ASSOCIATED CONSTRUCTION STAGING AREAS.
  - AT THE END OF EACH DAY OF CONSTRUCTION ACTIVITY ALL CONSTRUCTION DEBRIS AND WASTE MATERIALS SHALL BE COLLECTED AND PROPERLY DISPOSED IN TRASH OR RECYCLE BINS.
  - CONSTRUCTION SITES SHALL BE MAINTAINED IN SUCH A CONDITION THAT AN ANTICIPATED STORM DOES NOT CARRY WASTES OR POLLUTANTS OFF THE SITE. DISCHARGES OF MATERIAL OTHER THAN STORM WATER ONLY WHEN NECESSARY FOR PERFORMANCE AND COMPLETION OF CONSTRUCTION PRACTICES AND WHERE THEY DO NOT CAUSE OR CONTRIBUTE TO A VIOLATION OF ANY WATER QUALITY STANDARD, CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR NUISANCE, OR CONTAIN A HAZARDOUS SUBSTANCE IN A QUANTITY REPORTABLE UNDER FEDERAL REGULATIONS 40 CFR PARTS 117 AND 302.
  - POTENTIAL POLLUTANTS INCLUDE BUT ARE NOT LIMITED TO: SOLID OR LIQUID CHEMICAL SPILLS; WASTES FROM PAINTS, STAINS, SEALANTS, GLUES, LIMES, PESTICIDES, HERBICIDES, WOOD PRESERVATIVES AND SOLVENTS; ASBESTOS FIBERS, PAINT FLAKES OR STUCCO FRAGMENTS; FUELS, OILS, LUBRICANTS, AND HYDRAULIC, RADIATOR OR BATTERY FLUIDS; FERTILIZERS, VEHICLE/EQUIPMENT WASH WATER AND CONCRETE WASH WATER; CONCRETE, DETERGENT OR FLOATABLE WASTES; WASTES FROM ANY ENGINE/EQUIPMENT STEAM CLEANING OR CHEMICAL DEGREASING AND SUPER CHLORINATED POTABLE WATER LINE FLUSHING DURING CONSTRUCTION. PERMITTEE SHALL DISPOSE OF SUCH MATERIALS IN A SPECIFIED AND CONTROLLED TEMPORARY AREA ON SITE, PHYSICALLY SEPARATED FROM POTENTIAL STORM WATER RUNOFF, WITH ULTIMATE DISPOSAL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS.
  - DEWATERING OF CONTAMINATED GROUNDWATER, OR DISCHARGING CONTAMINATED SOILS VIA SURFACE EROSION IS PROHIBITED. DEWATERING OF NON CONTAMINATED GROUNDWATER REQUIRES A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT FROM THE RESPECTIVE STATE REGIONAL WATER QUALITY CONTROL BOARD.
  - GRADED AREAS ON THE PERMITTED AREA PERIMETER MUST DRAIN AWAY FROM THE FACE OF SLOPES AT THE CONCLUSION OF EACH WORKING DAY. DRAINAGE IS TO BE DIRECTED TOWARD DESILTING FACILITIES.
  - THE PERMITTEE AND CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATER CREATES A HAZARDOUS CONDITION.
  - THE PERMITTEE AND CONTRACTOR SHALL INSPECT THE EROSION CONTROL WORK AND INSURE THAT THE WORK IS IN ACCORDANCE WITH THE APPROVED PLANS.
  - THE PERMITTEE SHALL NOTIFY ALL GENERAL CONTRACTORS, SUBCONTRACTORS, MATERIAL SUPPLIERS, LESSEES, AND PROPERTY OWNERS THAT DUMPING OF CHEMICALS INTO THE STORM DRAIN SYSTEM OR THE WATERSHED IS PROHIBITED.
  - EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON. NECESSARY MATERIALS SHALL BE AVAILABLE ON SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
  - ALL REMOVABLE EROSION PROTECTIVE DEVICES SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN THE 5 DAY RAIN PROBABILITY FORECAST EXCEEDS 40%.
  - SEDIMENTS FROM AREAS DISTURBED BY CONSTRUCTION SHALL BE RETAINED ON SITE USING AN EFFECTIVE COMBINATION OF EROSION AND SEDIMENT CONTROLS TO THE MAXIMUM EXTENT PRACTICABLE, AND STOCKPILES OF SOIL SHALL BE PROPERLY CONTAINED TO MINIMIZE SEDIMENT TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES OR ADJACENT PROPERTIES VIA RUNOFF, VEHICLE TRACKING, OR WIND.
  - APPROPRIATE BMPs FOR CONSTRUCTION RELATED MATERIALS, WASTES, SPILLS OR RESIDUES SHALL BE IMPLEMENTED AND RETAINED ON SITE TO MINIMIZE TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES, OR ADJOINING PROPERTY BY WIND OR RUNOFF.

CALIFORNIA RESIDENTIAL CODE NOTES

- EXTERIOR DOORS MUST OPEN OVER A LANDING NOT MORE THAN 1/2' BELOW THE THRESHOLD. EXCEPTION: PROVIDING THE DOOR DOES NOT SWING OVER THE LANDING THE LANDING SHALL NOT BE MORE THAN 8' BELOW THE THRESHOLD.
- LANDINGS AT DOORS SHALL HAVE A LENGTH MEASURED IN DIRECTION OF TRAVEL OF NOT LESS THAN 36 INCHES. TYP. CRC R311.3
- STORAGE CLOSET UNDER STAIR, PROVIDE ONE LAYER OF 5/8 TYPE "X" GYP. BD. AT WALL AND UNDERSIDE OF STAIR TO ACHIEVE 1HR OF FIRE PROTECTION
- GARAGE, PROVIDE 1 LAYER OF 5/8 TYPE "X" GYP. BD. AT GARAGE WALLS, CEILING, AND SUPPORTING STRUCTURAL MEMBERS SEPARATING THE GARAGE AND LIVING AREAS TO ACHIEVE 1HR OF FIRE PROTECTION

GENERAL NOTES

- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO STARTING WORK, AND SHALL NOTIFY THE DESIGNER OF DISCREPANCIES OR INCONSISTENCIES.
- THE STRUCTURAL DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT REPRESENT THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT LIMITED TO, BRACING AND SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, CONSTRUCTION LOADS OF MATERIALS, ETC. THE CONTRACTOR, AT NO EXPENSE TO THE OWNER, SHALL RETAIN QUALIFIED PROFESSIONALS TO DETERMINE FIELD LAYOUT OF THE BUILDING ELEMENTS, AND THE ADEQUACY OF ALL PROPOSED BRACING AND SHORING.
- OBSERVATION VISITS TO THE SITE BY THE ENGINEER SHALL NOT INCLUDE OBSERVATION OF SAFETY METHODS, BRACING OR SUPPORT.
- PLAN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALES SHOWN ON DRAWINGS.
- NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND STANDARD DETAILS.
- CLARIFICATION SHALL BE REQUESTED FROM THE ENGINEER FOR ALL WORK INDICATED ON THE PLANS THAT IS NOT SPECIFICALLY DETAILED, AND IS NOT SIMILAR TO WORK THAT IS DETAILED.
- SEE EXISTING AND / OR OTHER PLANS FOR SIZE AND LOCATION OF ALL DOOR AND WINDOW OPENINGS, SIZE AND LOCATION OF ALL NON-BEARING PARTITIONS, SIZE AND LOCATION OF ALL CURBS, DRAINS, DEPRESSED AREAS, SLOPES AND ELEVATION CHANGES, CHAMFERS, GROOVES, INSERTS, ALL FINISHES, AND SIZE AND LOCATION OF ALL FLOOR AND ROOF OPENINGS.
- SEE OTHER PLANS FOR ALL WATERPROOFING REQUIREMENTS. THE ENGINEER IS NOT RESPONSIBLE FOR WATERPROOFING DETAILS AND SPECIFICATIONS.
- MECHANICAL, PLUMBING, AND ELECTRICAL REPAIRS SHALL BE UNDER SEPARATE PERMIT AND SHALL BE PERFORMED BY A LICENSED CONTRACTOR LICENSED IN THE APPROPRIATE FIELD.
- MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED FLOORS OR ROOFS. LOADS SHALL NOT EXCEED DESIGN LOADING FOR SUPPORTING MEMBERS.
- UNLESS APPROVED BY THE LOCAL C.B.O. OR BUILDING DEPARTMENT (PER CFC SECTION 301.2.5) PEX IS NOT AN APPROVED BUILDING MATERIAL.

MISCELLANEOUS NOTES

- ALL PLUMBING FIXTURES SHALL MEET LOCAL, STATE AND/OR FEDERAL CURRENT REGULATIONS.
- WHEN TANK WATER HEATERS IS USED, IT SHALL BE STRAPPED PER (CPC 510.5) OR HAVE A RIGID CONNECTION TO AN ADJACENT WALL (SEC 307.3, UPC)
- ALL INSULATION MATERIALS SHALL BE CERTIFIED BY THE MANUFACTURER AS COMPLYING WITH THE REQUIRED QUALITY STANDARDS FOR INSULATION MATERIAL.
- AS REQUIRED BY AGENCY, PROVIDE AN APPROVED SPARK ARRESTOR FOR STOVE DOWNDRAFT VENT.
- AS REQUIRED BY AGENCY, AN APPROVED SEISMIC SHUTOFF VALVE SHALL BE INSTALLED ON THE FUEL GAS LINE ON THE DOWNSTREAM SIDE OF THE UTILITY METER AND BE RIGIDLY CONNECTED TO THE EXTERIOR OF THE BUILDING OR STRUCTURE CONTAINING THE FUEL GAS PIPING.
- FOR TYPICAL MOUNTING HEIGHTS OF DOOR HARDWARE, ELECTRICAL DEVICES AND MECHANICAL CONTROLS SEE DETAIL.
- PROVIDE R-12 EXTERIOR BLANKET INSULATION FOR HOT WATER HEATER. R-3 INSULATION SHALL BE PROVIDED FOR THE FIRST FIVE FEET OF THE WATER HEATER OUTLET PIPE. ALL WATER HEATING AND SPACE CONDITIONING EQUIPMENT, SHOWER HEADS, AND FAUCETS SHALL BE C.E.C. CERTIFIED. ALL STEAM AND STEAM CONDENSATE RETURN PIPING AND ALL CONTINUOUSLY RE-CIRCULATING DOMESTIC HEATING OR HOT WATER PIPING SHALL BE INSULATED PER PLUMBING DIVISION.
- REFER TO TITLE 24 REPORT FOR INSULATION VALUES.
- GRIPS ON RAILS SHALL HAVE A 1 1/2" MINIMUM AND 2" MAXIMUM DIAMETER OR OFFER EQUIVALENT GRIPPING SURFACE

APPLICABLE STANDARDS

- 2019 CALIFORNIA RESIDENTIAL CODE (CRC)
- 2019 CALIFORNIA BUILDING CODE (CBC)
- 2019 CALIFORNIA PLUMBING CODE (CPC)
- 2019 CALIFORNIA ELECTRICAL CODE (CEC)
- 2019 CALIFORNIA MECHANICAL CODE (CMC)
- 2019 CALIFORNIA GREEN BUILDING
- 2019 CALIFORNIA ENERGY CODE.

PROJECT DIRECTORY

- OWNER**
  - NAME: Dale Spindler & Trish Berg-Spindler
  - EMAIL:
  - CONTACT NO:
- DESIGNER**
  - NAME: EVERETT SMITH DESIGNS
  - CONTACT NO: (951) 323 2187
  - EMAIL: EVERETT@EVERETTSMITHDESIGNS.COM
- CONTRACTOR**
  - NAME:
  - ADDRESS:
  - CONTACT NO:
  - EMAIL:
- STRUCTURAL**
  - NAME: RAHMAN ENGINEERING
  - CONTACT NO: MOKSUD RAHMAN 213.400.8078
  - EMAIL:

PROJECT INFORMATION

- NEW RESIDENCE: SEE SOFT BELOW**
- A.**
- USE TYPE: RESID. SINGLE FAMILY
  - OCCUPANCY: R-3 / U
  - CONSTRUCT TYPE: V-B
  - YEAR BUILT: -
  - BLDG/LIV AREA: -
  - COVERED PATIO / CALIFORNIA ROOM: -
  - GARAGE AREA: -
  - STORIES: 1
  - BEDROOMS: 3
  - BATHROOMS: 2.5
  - PARK TYPE: ATTACHED GARAGE
  - OTHER INFO
    - A/C: CENTRAL
    - HEATING: CENTRAL
    - FIREPLACE: 1
    - SPRINKLERS: YES
- B. SITE INFO**
- ADDRESS: -
  - PARCEL # (APN): -
  - LEGAL DESCRIPTION: -
  - LOT AREA: -
  - ZONE: -L

- DEFERRED SUBMITTALS TO BE SUBMITTED TO THE CITY.
  - FIRE SPRINKLERS
  - SOLAR
  - TRUSS ROOF

SCOPE OF WORK

- A. SCOPE OF WORK**
- NEW ONE STORY RESIDENCE TO BE ADDED WITH 2 CAR GARAGE.
  - TANKLESS WATER HEATER, AC, FAU IN ATTIC.

SQUARE FOOTAGE & LOT COVERAGE

STRUCTURAL DESIGN AND DETAILS FULLY CONFORM TO ALL OF THE REQUIREMENTS OF THIS CODE, THE CALIFORNIA RESIDENTIAL CODE. SHOULD A PORTION OR ALL OF THE STRUCTURAL DESIGN CONFORM TO THE REQUIREMENTS OF THE CBC, AS ALLOWED IN THE CRC, THE STRUCTURAL DESIGN CONFORMS WITH CBC

COVERAGE, LOT OR SITE, THE PERCENTAGE OF A SITE COVERED BY SOLID OR OPEN FRAME ROOFS, SOFFITS, OR OVERHANGS AND BY DECKS MORE THAN 30 INCHES IN HEIGHT.

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PREPARED BY:



**EVERETT SMITH DESIGNS**  
RIVERSIDE COUNTY, CA  
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Email: everett@everettsmithdesigns.com

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PROJECT:

**PROPOSED (1) STORY RESIDENCE**

REVISIONS:

No.	Description	Date

PROJECT ADDRESS:

0 McAllister  
Riverside, Ca

CLIENT NAME:

DALE & TRISH

COVER SHEET

Project number 21-2083

Date 14/06/2021 9:59:56 PM

Drawn by RM

Checked by ES

**A0**

Scale



# 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE

## RESIDENTIAL MANDATORY MEASURES, SHEET 2 (INCLUDING JANUARY 1, 2017 ERRATA)

INSPECTOR SIGNOFF	TABLE 4.504.2 - SEALANT VOC LIMIT (Less Water and Less Exempt Compounds in Grams per Liter)																																																																																										
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	<p>1. GRAMS OF VOC PER LITER OF COATING, INCLUDING WATER &amp; EXEMPT COMPOUNDS</p> <p>2. THE SPECIFIED LIMITS REMAIN IN EFFECT UNLESS REVISED LIMITS ARE LISTED IN SUBSEQUENT COLUMNS IN THE TABLE.</p> <p>3. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, ARCHITECTURAL COATINGS SUGGESTED CONTROL MEASURE, FEB. 1, 2008. MORE INFORMATION IS AVAILABLE FROM THE AIR RESOURCES BOARD.</p>																																																																																										

INSPECTOR SIGNOFF	TABLE 4.504.5 - FORMALDEHYDE LIMITS <sup>1</sup>												
	<table border="1"> <thead> <tr> <th>PRODUCT</th> <th>CURRENT LIMIT</th> </tr> </thead> <tbody> <tr><td>HARDWOOD PLYWOOD VENEER CORE</td><td>0.05</td></tr> <tr><td>HARDWOOD PLYWOOD COMPOSITE CORE</td><td>0.05</td></tr> <tr><td>PARTICLE BOARD</td><td>0.09</td></tr> <tr><td>MEDIUM DENSITY FIBERBOARD</td><td>0.11</td></tr> <tr><td>THIN MEDIUM DENSITY FIBERBOARD<sup>2</sup></td><td>0.13</td></tr> </tbody> </table> <p>1. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIF. AIR RESOURCES BOARD, AIR TOXICS CONTROL MEASURE FOR COMPOSITE WOOD AS TESTED IN ACCORDANCE WITH ASTM E 1333. FOR ADDITIONAL INFORMATION, SEE CALIF. CODE OF REGULATIONS, TITLE 17, SECTIONS 93120 THROUGH 93120.12.</p> <p>2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/16" (8 MM).</p>	PRODUCT	CURRENT LIMIT	HARDWOOD PLYWOOD VENEER CORE	0.05	HARDWOOD PLYWOOD COMPOSITE CORE	0.05	PARTICLE BOARD	0.09	MEDIUM DENSITY FIBERBOARD	0.11	THIN MEDIUM DENSITY FIBERBOARD <sup>2</sup>	0.13
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MEDIUM DENSITY FIBERBOARD	0.11												
THIN MEDIUM DENSITY FIBERBOARD <sup>2</sup>	0.13												
	DIVISION 4.5 ENVIRONMENTAL QUALITY (continued)												
	4.504.3 CARPET SYSTEMS. All carpet installed in the building interior shall meet the testing and product requirements of at least one of the following:												
	<ol style="list-style-type: none"> <li>Carpet and Rug Institute's Green Label Plus Program.</li> <li>California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers" Version 1.1, February 2010 (also known as Specification 01350).</li> <li>ISO/ANSI 140 at the Gold level.</li> <li>Scientific Certifications Systems Indoor Advantage Gold.</li> </ol>												
	4.504.3.1 Carpet cushion. All carpet cushion installed in the building interior shall meet the requirements of the Carpet and Rug Institute's Green Label program.												
	4.504.3.2 Carpet adhesive. All carpet adhesive shall meet the requirements of Table 4.504.1.												
	4.504.4 RESILIENT FLOORING SYSTEMS. Where resilient flooring is installed, at least 80% of floor area receiving resilient flooring shall comply with one or more of the following:												
	<ol style="list-style-type: none"> <li>Products compliant with 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 1.1, February 2010 (also known as Specification 01350), certified as a CHPS Low-Emitting Material in the Collaborative for High Performance Schools (CHPS) High Performance Products Database.</li> <li>Products certified under UL GREENGUARD Gold (formerly the Greenguard Children &amp; Schools program).</li> <li>Certification under the Resilient Floor Covering Institute (RFCI) FloorScore program.</li> <li>Meet 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 1.1, February 2010 (also known as Specification 01350).</li> </ol>												
	4.504.5 COMPOSITE WOOD PRODUCTS. Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the buildings shall meet the requirements for formaldehyde as specified in ARB's Air Toxics Control Measure for Composite Wood (17 CCR 93120 et seq.), by or before the dates specified in those sections, as shown in Table 4.504.5												
	4.504.5.1 Documentation. Verification of compliance with this section shall be provided as requested by the enforcing agency. Documentation shall include at least one of the following:												
	<ol style="list-style-type: none"> <li>Product certifications and specifications.</li> <li>Chain of custody certifications.</li> <li>Product labeled and invoiced as meeting the Composite Wood Products regulation (see CCR, Title 17, Section 93120, et seq.).</li> <li>Exterior grade products marked as meeting the PS-1 or PS-2 standards of the Engineered Wood Association, the Australian AS/NZS 2269, European 636 3S standards, and Canadian CSA 0121, CSA 0151, CSA 0153 and CSA 0325 standards.</li> <li>Other methods acceptable to the enforcing agency.</li> </ol>												
	4.505 INTERIOR MOISTURE CONTROL												
	4.505.1 General. Buildings shall meet or exceed the provisions of the California Building Standards Code												
	4.505.2 CONCRETE SLAB FOUNDATIONS. Concrete slab foundations required to have a vapor retarder by California Building Code, Chapter 19, or concrete slab-on-ground floors required to have a vapor retarder by the California Residential Code, Chapter 5, shall also comply with this section.												
	4.505.2.1 Capillary break. A capillary break shall be installed in compliance with at least one of the following:												
	<ol style="list-style-type: none"> <li>A 4-inch (101.6 mm) thick base of 1/2 inch (12.7mm) or larger clean aggregate shall be provided with a vapor barrier in direct contact with concrete and a concrete mix design, which will address bleeding, shrinkage, and curling, shall be used. For additional information, see American Concrete Institute, ACI 302.2R-06.</li> <li>Other equivalent methods approved by the enforcing agency.</li> <li>A slab design specified by a licensed design professional.</li> </ol>												
	4.505.3 MOISTURE CONTENT OF BUILDING MATERIALS. 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. Moisture content shall be verified in compliance with the following:												
	<ol style="list-style-type: none"> <li>Moisture content shall be determined with either a probe-type or contact-type moisture meter. Equivalent moisture verification methods may be approved by the enforcing agency and shall satisfy requirements found in Section 101.9 of this code.</li> <li>Moisture readings shall be taken at a point 2 feet (610 mm) to 4 feet (1219 mm) from the grade stamped end of each piece verified.</li> <li>At least three random moisture readings shall be performed on wall and floor framing with documentation acceptable to the enforcing agency provided at the time of approval to enclose the wall and floor framing.</li> </ol>												
	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.												
	4.506 INDOOR AIR QUALITY AND EXHAUST												
	4.506.1 Bathroom exhaust fans. Each bathroom shall be mechanically ventilated and shall comply with the following:												
	<ol style="list-style-type: none"> <li>Fans shall be ENERGY STAR compliant and be ducted to terminate outside the building.</li> <li>Unless functioning as a component of a whole house ventilation system, fans must be controlled by a humidity control. <ol style="list-style-type: none"> <li>Humidity controls shall be capable of adjustment between a relative humidity range less than or equal to 50% to a maximum of 80%. A humidity control may utilize manual or automatic means of adjustment.</li> <li>A humidity control may be a separate component to the exhaust fan and is not required to be integral (i.e., built-in)</li> </ol> </li> </ol>												
	Notes:												
	<ol style="list-style-type: none"> <li>For the purposes of this section, a bathroom is a room which contains a bathtub, shower or tub/shower combination.</li> <li>Lighting integral to bathroom exhaust fans shall comply with the California Energy Code.</li> </ol>												
	4.507 ENVIRONMENTAL COMFORT												
	4.507.2 HEATING AND AIR-CONDITIONING SYSTEM DESIGN Heating and air conditioning systems shall be sized, designed and have their equipment selected using the following methods:												
	<ol style="list-style-type: none"> <li>The heat loss and heat gain is established according to ANSI/ACCA 2 Manual J - 2011 (Residential Load Calculation), ASHRAE handbooks or other equivalent design software or methods.</li> <li>Duct systems are sized according to ANSI/ACCA 1 Manual D - 2014 (Residential Duct Systems), ASHRAE handbooks or other equivalent design software or methods.</li> <li>Select heating and cooling equipment according to ANSI/ACCA 3 Manual S - 2014 (Residential Equipment Selection), or other equivalent design software or methods.</li> </ol>												
	Exception: Use of alternate design temperatures necessary to ensure the system functions are edacceptable.												

INSPECTOR SIGNOFF	CHAPTER 7 INSTALLER & SPECIAL INSPECTOR QUALIFICATIONS
	702 QUALIFICATIONS
	702.1 INSTALLER TRAINING. 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. Examples of acceptable HVAC training and certification programs include but are not limited to the following:
	<ol style="list-style-type: none"> <li>State certified apprenticeship programs.</li> <li>Public utility training programs.</li> <li>Training programs sponsored by trade, labor or statewide energy consulting or verification organizations.</li> <li>Programs sponsored by manufacturing organizations.</li> <li>Other programs acceptable to the enforcing agency.</li> </ol>
	702.2 SPECIAL INSPECTION [HCD]. When required by the enforcing agency, 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 enforcing agency for the particular type of inspection or task to be performed. In addition to other certifications or qualifications acceptable to the enforcing agency, the following certifications or education may be considered by the enforcing agency when evaluating the qualifications of a special inspector:
	<ol style="list-style-type: none"> <li>Certification by a national or regional green building program or standard publisher.</li> <li>Certification by a statewide energy consulting or verification organization, such as HERS raters, building performance contractors, and home energy auditors.</li> <li>Successful completion of a third party apprentice training program in the appropriate trade.</li> <li>Other programs acceptable to the enforcing agency.</li> </ol>
	Notes:
	<ol style="list-style-type: none"> <li>Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.</li> <li>HERS raters are special inspectors certified by the California Energy Commission (CEC) to rate homes in California according to the Home Energy Rating System (HERS).</li> </ol>
	[BSC] When required by the enforcing agency, 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 enforcing agency for the particular type of inspection or task to be performed. In addition, the special inspector shall have a certification from a recognized state, national or international association, as determined by the local agency. The area of certification shall be closely related to the primary job function, as determined by the local agency.
	Note: Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.
	703 VERIFICATIONS
	703.1 DOCUMENTATION. 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 enforcing agency 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 applicable checklist.

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PROJECT:

**PROPOSED (1) STORY RESIDENCE**

REVISIONS:

No.	Description	Date

PROJECT ADDRESS:

0 McAllister  
Riverside, Ca

CLIENT NAME:

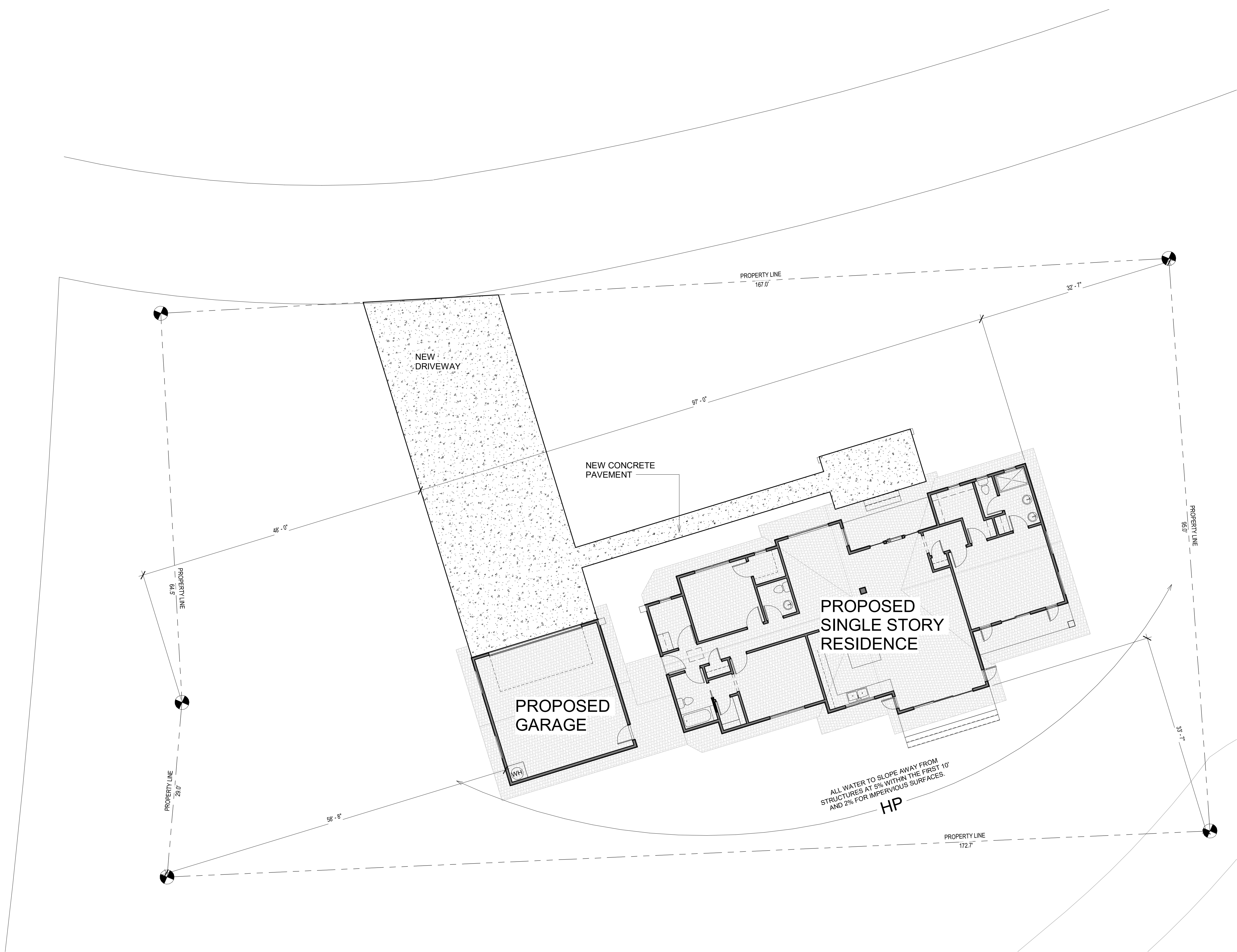
DALE & TRISH

GENERAL NOTES

Project number 21-2083  
Date 14/06/2021 10:00:00 PM  
Drawn by RM  
Checked by ES

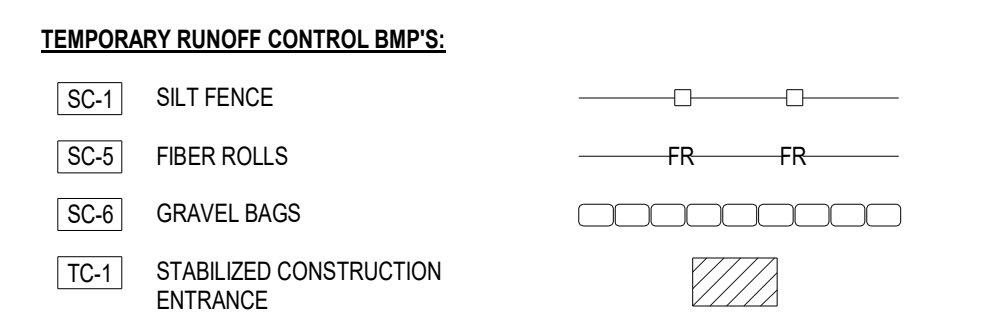
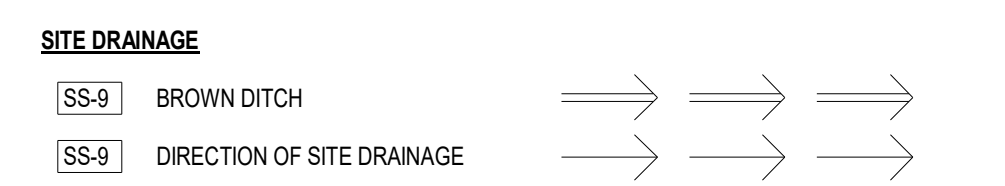
**A0.2**

Scale



① SITE PLAN  
1/8" = 1'-0"

- SITE PLAN NOTES**
1. THE CONTRACTOR OR THE OWNER/BUILDER SHALL BE RESPONSIBLE FOR SITE SURVEY
  2. ALL SURFACE WATER SHALL SLOPE AWAY FROM BUILDING
  3. ALL FINISH GRADES AROUND THE EXTERIOR OF THE HOUSE SHALL BE SLOPED TO DRAIN SURFACE WATER AWAY FROM THE FOUNDATION
  4. ANY ARTIFICIAL LIGHTING SHALL BE DIRECTED OR SHADED SO AS NOT TO FALL INTO ADJACENT PROPERTIES
- STORM WATER POLLUTION CONTROL REQUIREMENTS**  
THE FOLLOWING REPRESENT THE MINIMUM STANDARDS OF GOOD HOUSEKEEPING THAT MUST BE IMPLEMENTED ON ALL CONSTRUCTION SITES.
1. ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES OR WIND.
  2. STOCKPILES OF EARTH AND OTHER CONSTRUCTION RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.
  3. FUELS, OILS, SOLVENTS AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOIL AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.
  4. NON-STORMWATER RUNOFF FROM EQUIPMENT AND VEHICLE WASHING AND ANY OTHER ACTIVITY SHALL BE CONTAINED AT THE PROJECT SITE.
  5. EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.
  6. TRASH AND CONSTRUCTION RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND.
  7. SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEEPED UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.
  8. ANY SLOPES WITH DISTURBED SOILS OR DENUDE OF VEGETATION MUST BE STABILIZED SO AS TO INHIBIT EROSION BY WIND AND WATER.
  9. CONSTRUCTION SITE SHALL BE MAINTAINED BY IMPLEMENTATION OF BEST MANAGEMENT PRACTICES (BMPs) IN SUCH A MANNER THAT POLLUTANTS ARE NOT DISCHARGED FROM THE SITE TO THE MAXIMUM EXTENT PRACTICABLE. ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE OR WIND.

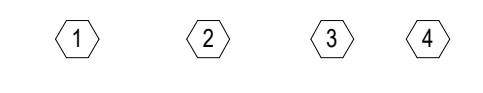


- PERMANENT BMPs:**
- SS-10 ENERGY DISSIPATOR
- SS-11 DRAINAGE FROM ROOF AREAS AND OTHER IMPERVIOUS SURFACES SHALL BE DIRECTED TO A FLAT VEGETATED AREAS
- SS-20 SLOPE PAVEMENT TOWARDS FLAT VEGETATED AREAS OR POROUS PAVEMENT

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

**SITE PLAN KEYNOTES**

No.	Sample
1	SAMPLE 1
2	SAMPLE 2
3	SAMPLE 3
4	SAMPLE 4



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PROJECT:

**PROPOSED (1) STORY RESIDENCE**

REVISIONS:

No.	Description	Date
1	Revision 1	Date 1

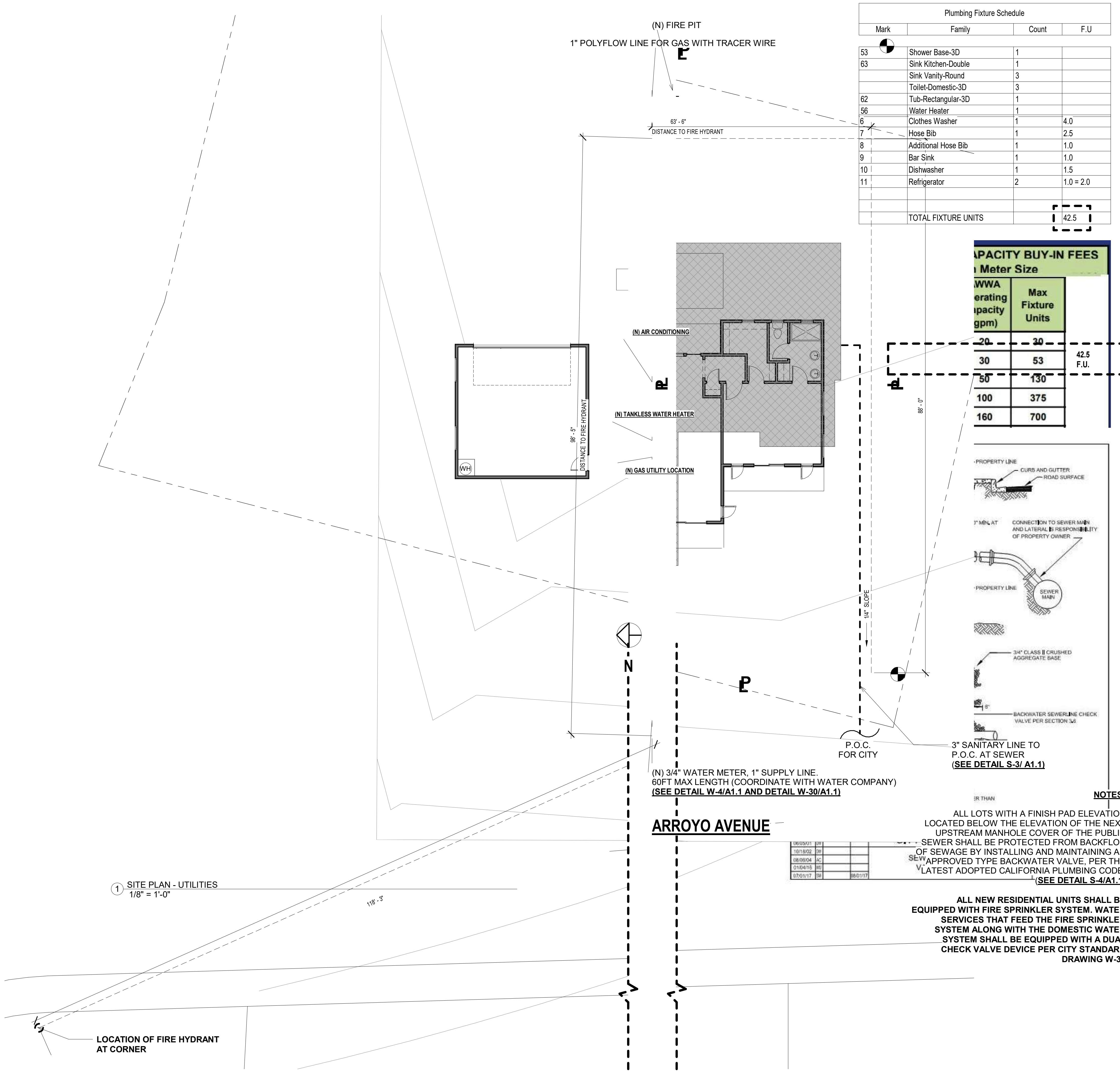
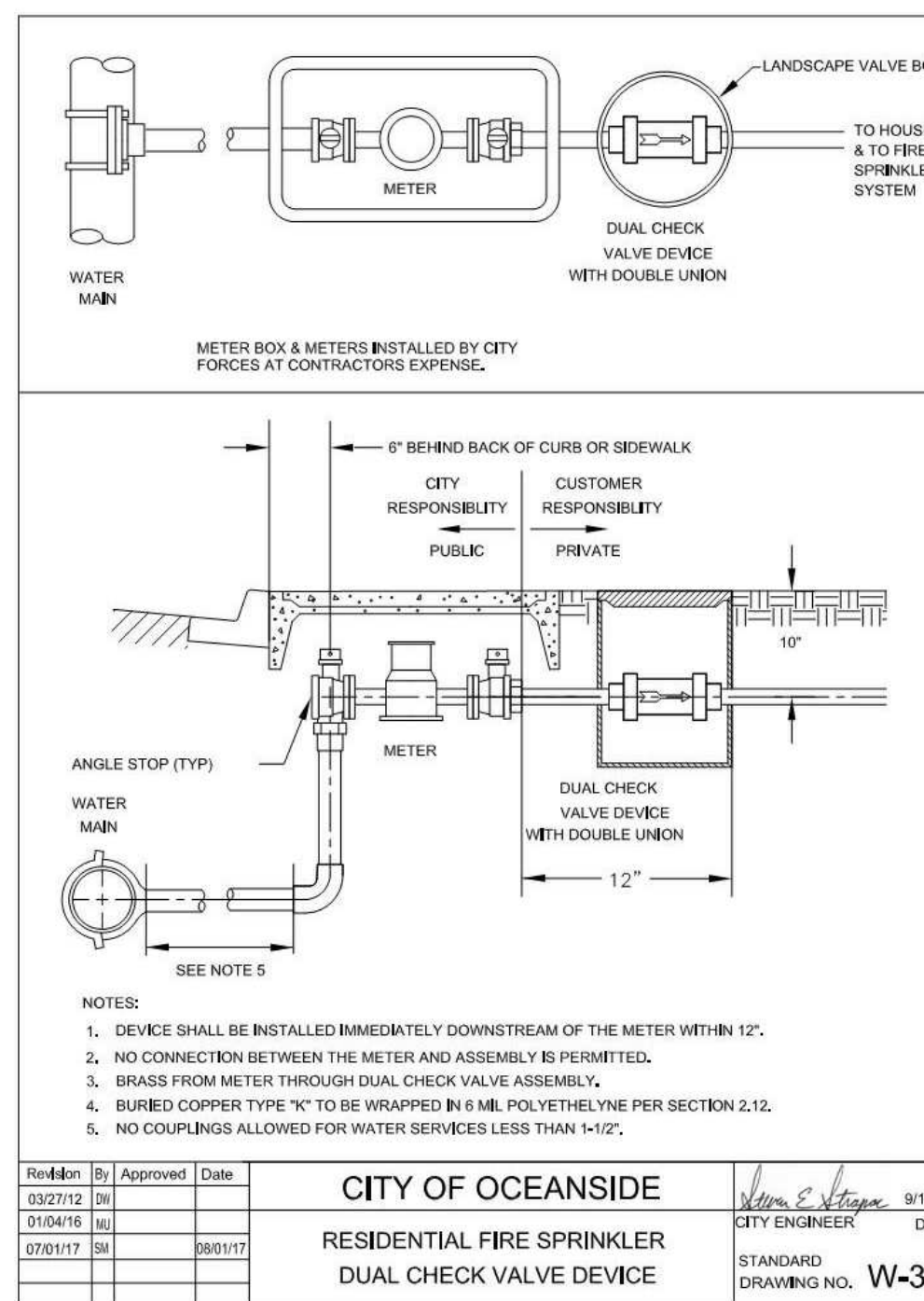
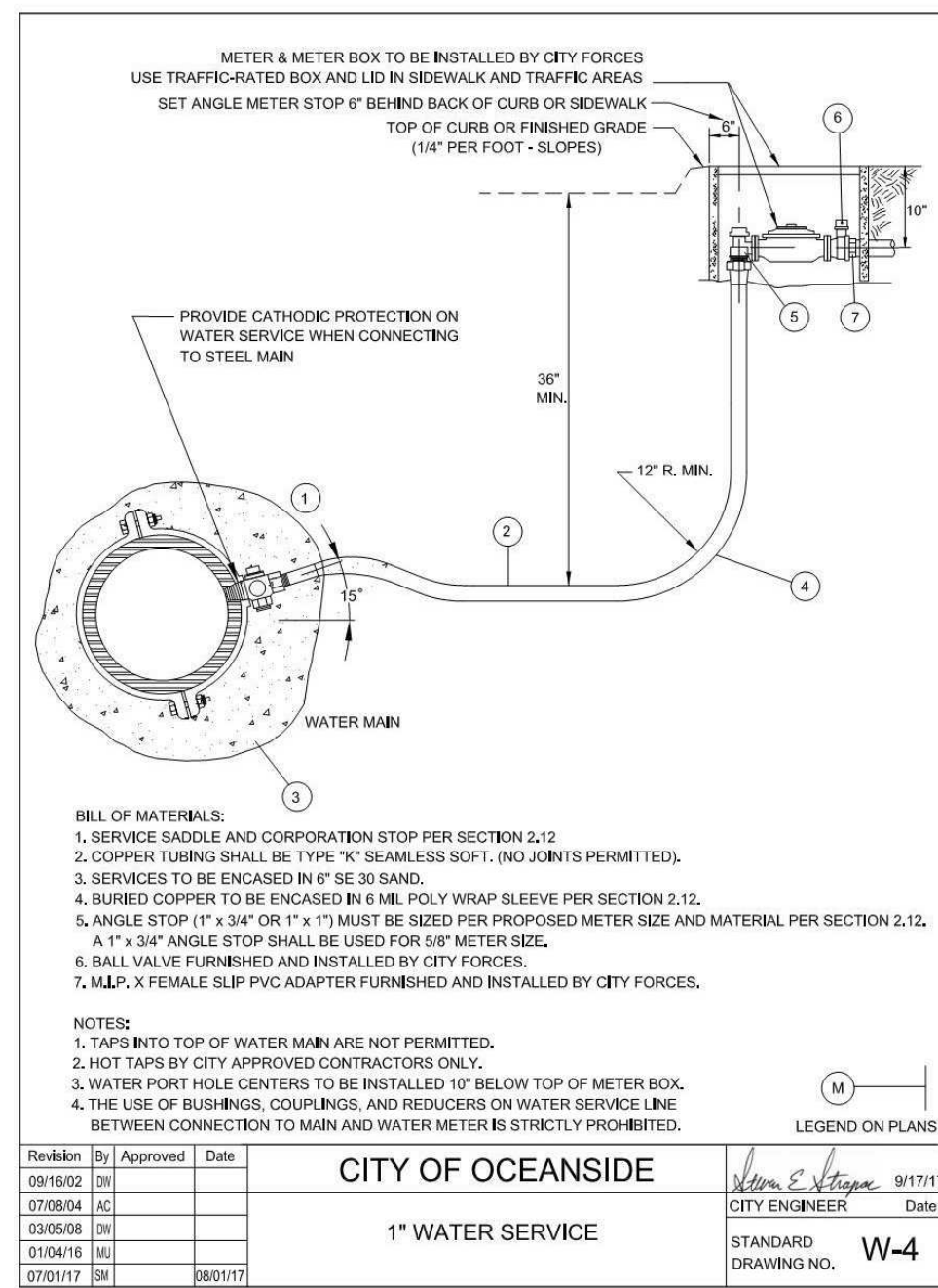
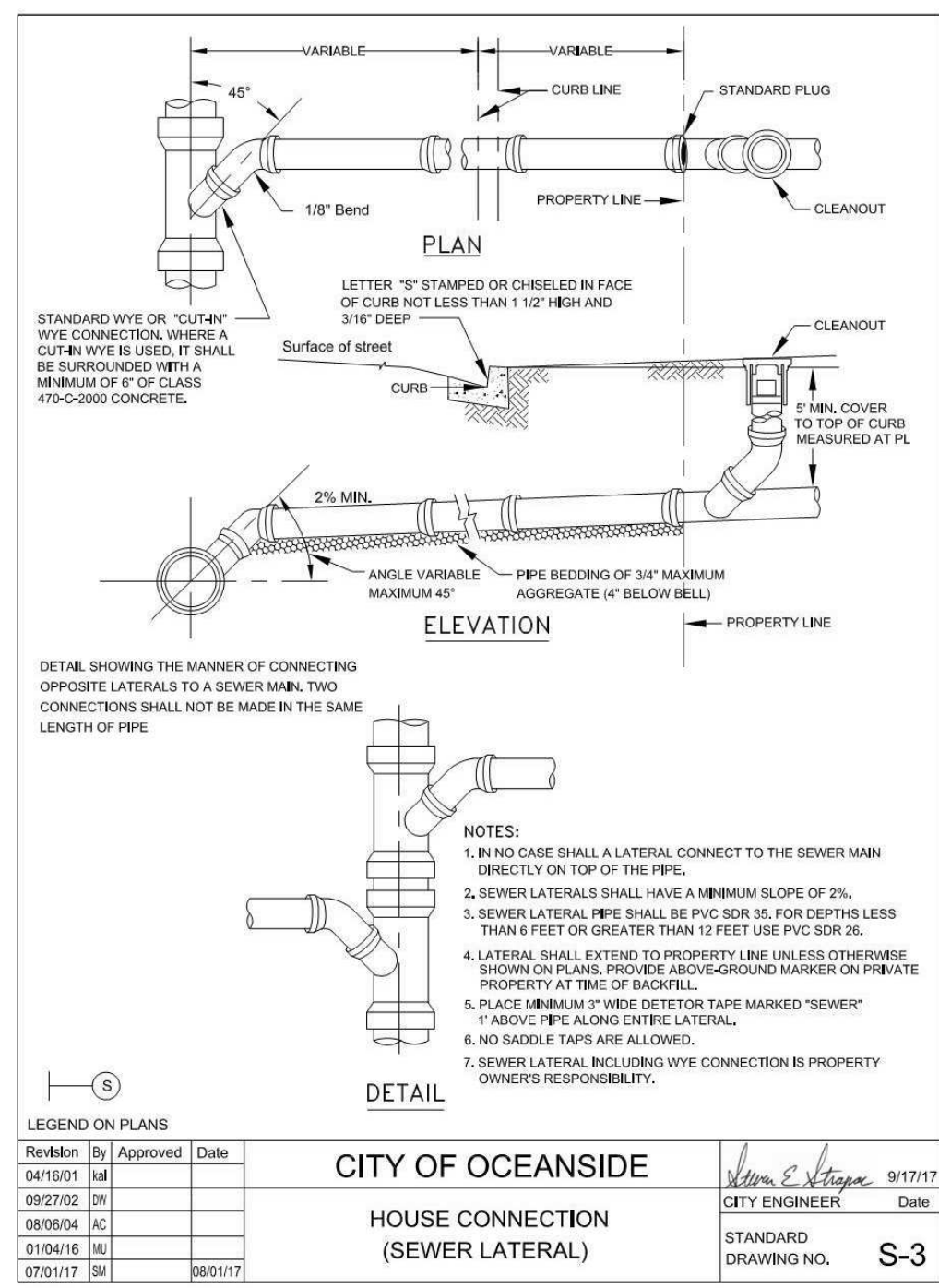
PROJECT ADDRESS:  
0 McAllister  
Riverside, Ca

CLIENT NAME:  
DALE & TRISH

**SITE PLAN**

Project number 21-2083  
Date 14/06/2021 10:00:03 PM  
Drawn by RM  
Checked by ES

**A1**  
Scale As indicated



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PROJECT:

**PROPOSED (1) STORY RESIDENCE**

REVISIONS:

No.	Description	Date

PROJECT ADDRESS:  
0 McAllister  
Riverside, Ca

CLIENT NAME:  
DALE & TRISH

**SITE PLAN - UTILITY PLAN**

Project number: 21-2083  
Date: 14/06/2021 10:00:04 PM  
Drawn by: Author  
Checked by: Checker

**A1.1**

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

14/06/2021 10:00:04 PM

**FLOOR PLAN KEYNOTES**

KEY	NOTE	SHEET NO.
1	NEW DOOR. SEE DOOR SCHEDULE	A2
2	NEW WINDOW. SEE WINDOW SCHEDULE	A2
3	NEW WATER CLOSET. SEE CONSTRUCTION REQUIREMENTS ON SHEET A0 FOR LOW FLOW RATES	A2
4	NEW SHOWER. SEE CONSTRUCTION REQUIREMENTS ON SHEET A0 FOR LOW FLOW RATES	A2
5	NEW VANITY SINK W/ COUNTER AND BASE CABINET. SEE CONSTRUCTION REQUIREMENTS ON SHEET A0 FOR LOW FLOW RATES	A2
16	NEW METAL RAILINGS	A2
17	NEW WOOD DECK	A2
18	NEW 2X6 STUD WALL	A2
19	NEW 2X4 STUD WALL	A2

- CEMENT, FIBER-CEMENT, FIBER MATE REINFORCED CEMENT, GLASS MAT GYPSUM BACKERS SHALL BE USED AS A BASE FOR WALL TILE IN TUB AND SHOWER AREAS AND WALL PANELS IN SHOWER AREAS. (R702.4.2)
- A DOMESTIC CLOTHES DRYER DUCT SHALL BE OF METAL AND A MIN. OF 4" IN DIAMETER. THE EXHAUST DUCTS SHALL NOT EXCEED A TOTAL COMBINED HORIZONTAL AND VERTICAL LENGTH OF 14', INCLUDING TWO 90 DEG ELBOWS. TWO FEET SHALL BE DEDUCTED FOR EACH 90-DEGREE ELBOW IN EXCESS OF TWO.
- WATER CLOSETS SHALL HAVE 15" TO ANY WALL OR OBSTRUCTION ON EACH SIDE OF ITS CENTERLINE AND 24" CLEAR SPACE IN FRONT

**CALIFORNIA RESIDENTIAL CODE NOTES**

- EVERY SLEEPING ROOM MUST HAVE AT LEAST ONE WINDOW OR DOOR OPENING DIRECTLY TO THE EXTERIOR. IT MUST MEET THE FOLLOWING CRITERIA:
  - MIN. NET CLEAR OPENING WIDTH: 20"
  - MIN. NET CLEAR OPENING HEIGHT: 24"
  - MIN. NET CLEAR GRADE-FLR OPENING: 5.0 SQ. FT. (720.0 SQ. IN.)
  - MIN. NET CLEAR ABOVE GRADE-FLR OPENING: 5.57 SQ. FT. (820.8 SQ. IN.)
  - BOTTOM OF THE CLEAR OPENING SHALL BE: 44" MAX ABOVE FLOOR
- BAY WINDOWS MAY NOT PROJECT INTO SETBACKS.
- ALL NEW AND REPLACEMENT WINDOWS AND DOORS WITH GLASS MUST BE DUAL GLAZED. (U & SHGC VALUES SHALL BE 0.40 MAXIMUM)
- THE FOLLOWING LOCATIONS REQUIRE SAFETY GLAZING (TEMPERED OR LAMINATED). GLASS TO BE ETCH MARKED:
  - GLAZING IN SWINGING, SLIDING, FIXED, AND BI-FOLD DOORS.
  - GLAZING IN WINDOWS WITHIN 24" FROM DOORS AND LESS THAN 60" HIGH.
  - GLAZING WITHIN 5 FT FROM POOL OR SPA.
  - GLAZING IN WINDOWS AT SHOWER OR BATHTUB AND STAIR LANDINGS LESS THAN 60" ABOVE FLOOR.
  - WHEN ALL OF THE FOLLOWING OCCUR: EXPOSED AREA OF INDIVIDUAL PANES GREATER THAN 9 SQ. FT.; EXPOSED BOTTOM EDGE LESS THAN 18" ABOVE THE FLOOR; ONE OR MORE WALKING SURFACES WITHIN 36" HORIZONTALLY OF THE PLANE OF THE GLAZING AND THE TOP EDGE IS MORE THAN 36" ABOVE THE FLOOR.
- OUTSWING DOOR MUST OPEN OVER A LANDING NOT MORE THAN 1 1/2' BELOW TOP OF THRESHOLD TO THE EXTERIOR LANDING FINISH ELEVATION. THE LANDING'S WIDTH SHALL NOT BE LESS THAN THE DOOR SERVED WITH A MINIMUM DIMENSION OF 36" MEASURED IN THE DIRECTION OF TRAVEL AND A SLOPE NOT TO EXCEED 1/4" TO 12" (2%).
- INSTALL OR VERIFY SMOKE AND CARBON MONOXIDE DETECTORS ARE EXISTING PER CRC R314.1 AND R315.2

Mark	Type	Width	Height	Comments
D13	16"	16' - 0"	8' - 0"	
D14	36" x 80"	0' - 0"	0' - 0"	
O-1	36" x 80"	0' - 0"	0' - 0"	
D3	2068	2' - 0"	6' - 8"	
D4	2068	2' - 0"	6' - 8"	
D4	2468	2' - 4"	6' - 8"	
D5	2668	2' - 6"	6' - 8"	
D6	2668	2' - 6"	8' - 0"	
D7	2668	2' - 6"	6' - 8"	
D2	2670	2' - 5 1/16"	8' - 0"	
D15	2670	2' - 5 1/16"	8' - 0"	
D8	2868	2' - 8"	6' - 8"	
D9	3068	3' - 0"	6' - 8"	
D9	3068	3' - 0"	6' - 8"	
D12	3080	3' - 0"	8' - 6"	
D10	5080	5' - 0"	8' - 0"	
D11	10080	10' - 0"	8' - 0"	

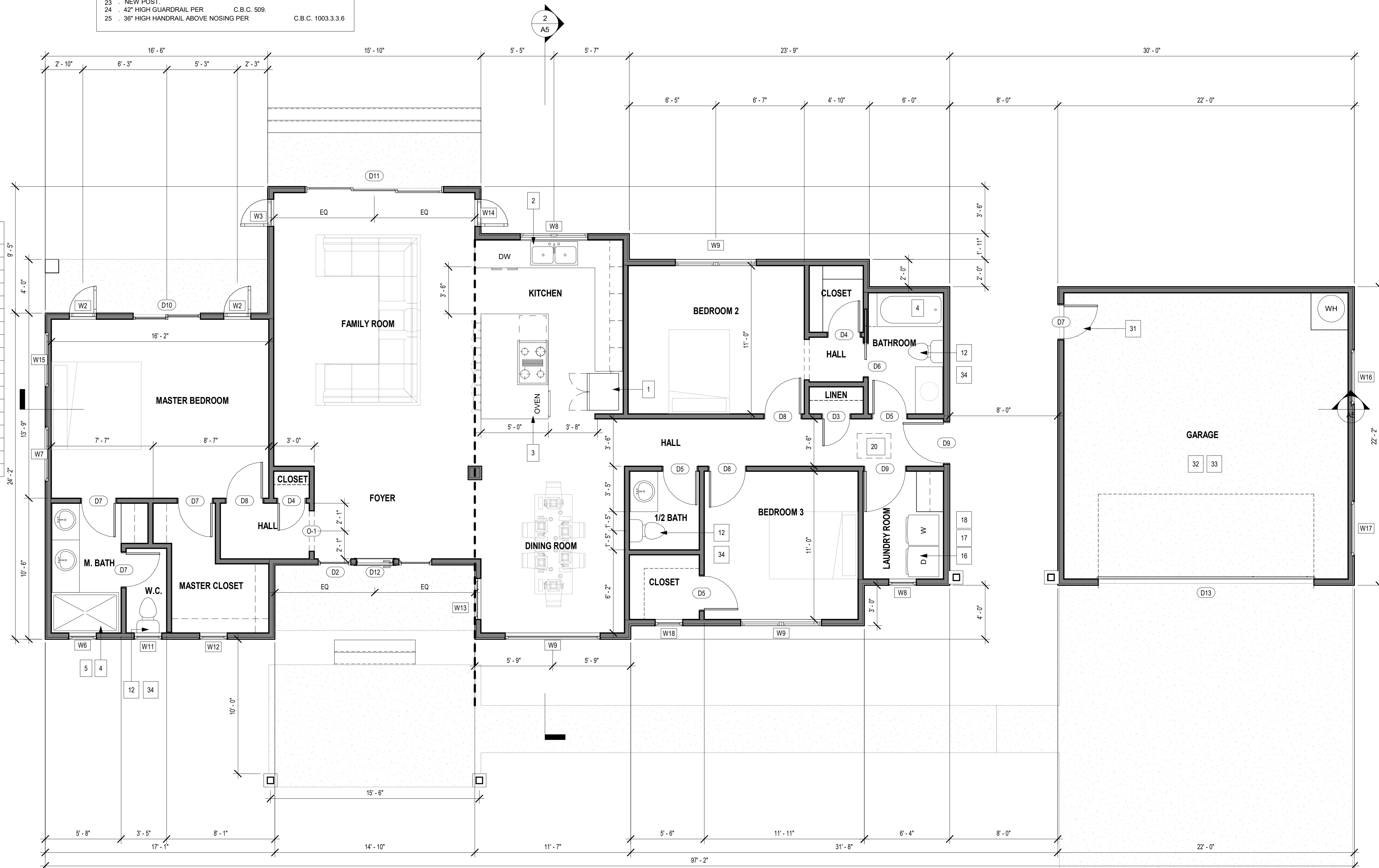
Mark	Type	Width	Height	Count	OmniClass Title
	2050	2' - 0"	5' - 0"	4	Casement Windows
	2070	2' - 0"	7' - 0"	5	Fixed Windows
W13	3060	3' - 0"	6' - 0"	1	Fixed Windows
W4	4010	4' - 0"	1' - 0"	4	Fixed Windows
	4016	4' - 0"	1' - 6"	4	Fixed Windows
W8	5040	5' - 0"	4' - 0"	1	Fixed Windows
W9	6050	6' - 0"	5' - 0"	2	Fixed Windows
W9	7070	7' - 0"	7' - 0"	1	Fixed Windows

**FLOOR PLAN NOTES**

- 30" CLEAR REFRIGERATOR SPACE. PLUMB FOR WATER SUPPLY. VERIFY WIDTH AND DEPTH IF BUILT-IN REFRIGERATOR.
- KITCHEN SINK & D/W.
- 30" SLIDE-IN RANGE-OVEN COMBINATION W/ BUILT-IN HOOD, LIGHT & FAN (VENT TO OUTSIDE AIR).
- 5'-0" TUB/SHOWER W/ WATER RESISTANT WAINSCOT TO 72" ABOVE DRAIN U.N.O. PROVIDE SHOWER CURTAIN ROD U.N.O.
- SHATTERPROOF GLASS SHOWER ENCLOSURE.
- LINE OF FLOOR ABOVE
- 30X36 HATCH DOOR
- (5) EQUALLY SPACED SHELVES.
- TANKLESS WATER HEATER
- WIN 18" VENT TO OUTSIDE AIR.
- PROVIDE WALL MOUNTED TANKLESS WATER HEATER IN GARAGE DUCT AS SHOWN ON HEATING PLAN AS REQ'D FOR F.A.U. ONLY. IF F.A.U. AND W/H ARE SIDE BY SIDE PROVIDE A "T" PLUMBING FITTING AT F.G. AND A COMBO. "B" VENT CONNECTION FOR DBL. USE OF EQUIPMENT. (VERIFY)
- WATER CLOSET AT FLOOR ABOVE.
- 3" DIA. BUMPER PIPE 36" HIGH W/ MIN. 12" EMBEDMENT.
- TEMPERATURE & PRESSURE RELIEF VALVE
- 14" x 6" GARAGE EXHAUST VENT, SCREENED AND LOUVERED.
- DRYER VENT (MAX. 14 ft. LENGTH INCLUDING (2) 90 DEGREE ELBOWS. PER C.M.C. 504.3.
- PROVIDE WATER & WASTE FOR WASHER.
- GAS DRYERS INSTALLED IN A GARAGE MUST BE ELEVATED SO THAT PILOTS, SWITCHES, BURNERS AND HEATING ELEMENTS ARE A MINIMUM OF 18" ABOVE THE FLOOR LEVEL.
- 2X4 STUD PLUMBING WALL
- 22" X 30" ATTIC ACCESS PANEL PER C.B.C. 1505.1.
- F.A.U. IN ATTIC. PROVIDE 30" X 30" ATTIC ACCESS PANEL. (OR PER C.M.C. 509 PROVIDE FUEL GAS, LIGHT AND SWITCH.
- ELECTRICAL SERVICE PANEL. (SEE UTILITY PLAN).
- NEW POST.
- 42" HIGH GUARDRAIL PER C.B.C. 509.
- 36" HIGH HANDRAIL ABOVE NOSING PER C.B.C. 1003.3.3.6

**GENERAL PLAN NOTES**

- ALL INTERIOR DOORS TO BE HOLLOW CORE 1 3/8" THK. U.N.O. (SEE PLAN FOR SIZE). AT DOUBLE INTERIOR DOOR CONDITIONS PROVIDE DEADBOLT AT TOP OF INACTIVE DOOR.
- ALL GARAGE SERVICE DOORS TO BE HOLLOW CORE 1 3/8" THICK EXTERIOR GRADE. (SEE PLAN FOR SIZE).
- ALL HOUSE TO GARAGE DOORS TO BE SOLID CORE 1 3/8" THK. SELF CLOSING AND TIGHT FITTING OR A SELF CLOSING, TIGHT-FITTING DOOR HAVING A FIRE-PROTECTION RATING OF NOT LESS THAN 20 MINUTES WHEN TESTED. (SEE PLAN FOR SIZE)
- ALL ENTRY DOORS TO BE SOLID CORE 1 3/4" THICK. (SEE PLAN FOR SIZE). AT DOUBLE ENTRY DOOR PROVIDE DEADBOLT AT TOP AND BOTTOM OF INACTIVE DOOR.
- ALL EXTERIOR FRENCH DOORS TO BE SOLID CORE 1 3/4" THICK (SEE PLAN FOR SIZE). AT DOUBLE FRENCH DOOR PROVIDE DEADBOLT AT TOP AND BOTTOM OF INACTIVE DOOR.
- BUILDER SHALL VERIFY W/ WINDOW MANUFACTURER THAT ALL ESCAPE OR RESCUE WINDOWS SHALL HAVE A MINIMUM NET CLEAR OPENABLE AREA OF 5.7 SQUARE FEET. THE MINIMUM CLEAR OPENABLE HEIGHT DIMENSION SHALL BE 24 INCHES. THE MINIMUM NET CLEAR OPENABLE WIDTH DIMENSION SHALL BE 20 INCHES AND HAVE A FINISHED SILL HEIGHT NOT MORE THAN 4 INCHES ABOVE THE FLOOR. (PER I.R.C. R310.1.1, R310.1.2, AND R310.1.3) WINDOWS NOT MEETING THESE REQUIREMENTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT.
- THE GARAGE SHALL BE SEPARATED FROM THE RESIDENCE BY NOT LESS THAN 5/8 INCH TYPE 'X' GYPSUM BOARD APPLIED TO THE GARAGE SIDE. WHERE GARAGE CEILINGS PROVIDE A PORTION OF THE OCCUPANCY SEPARATION, THE CEILING AND SUPPORTING MEMBERS SHALL BE COVERED WITH ONE LAYER OF 5/8 INCH TYPE 'X' GYPSUM BOARD FASTENED TO TRUSSES OR CONVENTIONAL FRAMING SPACED A MAX. OF 24 INCHES ON CENTER. (I.R.C. SECTION R309.2)



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

PREPARED BY:



**EVERETT SMITH  
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PROJECT:

**PROPOSED (1) STORY RESIDENCE**

No.	Description	Date

PROJECT ADDRESS:  
**0 McAllister  
Riverside, Ca**

CLIENT NAME:  
**DALE & TRISH**

**PROPOSED FLOOR  
PLAN**

Project number	21-2083
Date	14/06/2021 10:00:08 PM
Drawn by	ES
Checked by	ES

**A2**

Scale 1/4" = 1'-0"

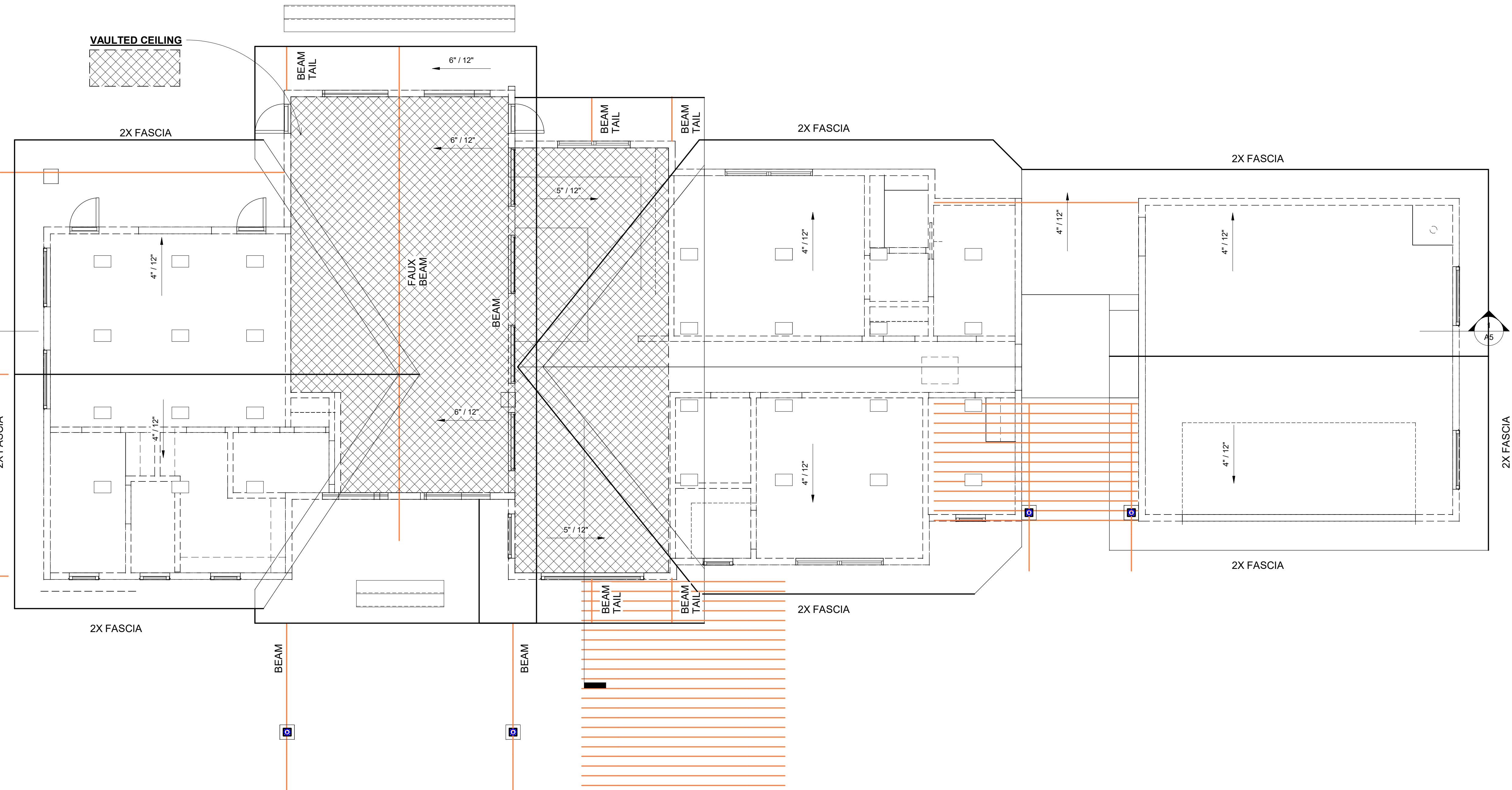
**ROOF PLAN NOTES**

- COMP. ROOF PER ICC REPORT
- ROOF TILE NAILING SHALL BE PER THE MANUFACTURER'S SPECIFICATION WITH THE FOLLOWING MINIMUM REQUIREMENTS:
  - 11 GA. CORROSION RESISTANT NAILS WITH MINIMUM 3/4" PENETRATION INTO SHEATHING PER C.R.C. SECTION 905.3.6 AND IN ACCORDANCE WITH C.R.C. TABLE 905.3.7
  - HEADS OF ALL TILES SHALL BE NAILED
  - THE NOSES OF ALL EAVE COURSE TILES SHALL BE FASTENED WITH APPROVED CLIPS
  - ALL TILES SHALL BE NAILED AS REQUIRED BY MANUFACTURER'S INSTRUCTIONS
  - THE NOSES OF ALL RIDGE, HIP AND RAKE TILES SHALL BE SET IN A BEAD OF APPROVED ROOFER'S MASTIC
- PROVIDE MINIMUM 26 GA. CORROSION RESISTANT METAL FLASHING AT ALL VALLEYS AND ROOF TO WALL CONDITIONS.
- PROVIDE DIVERTERS AT DOORS AS REQUIRED.
- PROVIDE A MINIMUM 22"x30" ACCESS OPENING IN ROOF SHEATHING TO OVER FRAMED ATTIC AREAS WITH 30" MINIMUM HEAD CLEARANCE - PROVIDE A 12"x12" OPENING IN ROOF SHEATHING TO OVER FRAMED ATTIC AREAS WITH LESS THAN 30" HEAD CLEARANCE FOR VENTILATION.
- ALL ROOF, WALL AND EAVE VENTS SHALL BE SCREENED WITH CORROSION RESISTANT, NON-COMBUSTIBLE WIRE MESH WITH 1/4" MAXIMUM MESH OPENINGS.
- NET FREE AIR VALUES FOR VENTS USED IN OUR VENTILATION CALCULATIONS ARE BASED ON "C" & J METAL PRODUCTS INC. \* AT WWW.CJMETALS.COM & BY "OHAGINS INC" AT WWW.OHAGINVENT.COM THESE VALUES ARE SUBJECT TO CHANGE WITHOUT NOTIFICATION AND MUST BE VERIFIED BY INSTALLER AT TIME OF INSTALLATION - APPROVED EQUAL PRODUCTS MUST PROVIDE THE NET FREE AIR VENTILATION TOTALS REQUIRED BY THE CALCULATIONS PROVIDED ON THESE ARCHITECTURAL DRAWINGS.
- RADIANT BARRIER WITH AN EMITTANCE OF 0.05 OR LESS REQUIRED AT UNDERSIDE OF ROOF SHEATHING & ATTIC SIDE OF GABLE END WALLS - REFER TO T-24 AND ENERGY CALCULATIONS.
- PROVIDE KICK OUT FLASHING AT ALL FASCIA TO WALL TERMINATIONS
- PROVIDE ATTIC & SOFFIT VENTILATION PER CRC SECTION R806. TOTAL NET FREE VENTILATING AREA SHALL NOT BE LESS THAN 1/150 OF THE AREA OF THE SPACE VENTILATED EXCEPT THAT REDUCTION OF THE TOTAL AREA TO 1/300 IS PERMITTED PROVIDED THAT AT LEAST 50 PERCENT AND NO MORE THAN 50 PERCENT OF THE REQUIRED VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE SPACE TO BE VENTILATED AT LEAST 3 FEET ABOVE THE EAVE OR CORNICE VENTS WITH THE BALANCE OF THE REQUIRED VENTILATION PROVIDED BY EAVE OR CORNICE VENTS. AS AN ALTERNATIVE, THE NET FREE CROSS-VENTILATION AREA MAY BE REDUCED TO 1/300 WHEN A CLASS I OR II VAPOR BARRIER IS INSTALLED ON THE WARM-IN-WINTER SIDE OF THE CEILING PER CRC SECTION R806.2.
- RADIANT BARRIER REQUIRED PER TILE 24 ENERGY COMPLIANCE SHEET. INSTALL RADIANT BARRIER ROOF SHEATHING WITH REFLECTIVE SIDE TOWARDS OPEN ATTIC. INSTALL RADIANT BARRIER MEMBRANE ON GABLE END ROOF CONDITIONS OVER TRUSS WEBS TOWARDS OPEN ATTIC.
- INSTALLATION OF ROOFING SHALL BE IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- ROOF GUTTERS SHALL BE PROVIDED WITH THE MEANS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS IN THE GUTTER. REQUIRED GUTTER SIZE, DOWNSPOUT SIZE, AND DOWNSPOUT SPACING/LOCATIONS TO BE CALCULATED AND VERIFIED BY INSTALLING SUBCONTRACTOR
- ALL GAPS/SPACES BETWEEN ROOFING TILES SHALL BE CONSTRUCTED TO PREVENT THE INTRUSION OF FLAMES AND EMBERS. BE FIRESTOPPED WITH APPROVED MATERIALS, OR HAVE ONE LAYER OF MINIMUM 72 POUND MINERAL-SURFACED NONPERFORATED CAP SHEET COMPLYING WITH ASTM D 3909 INSTALLED OVER THE COMBUSTIBLE DECKING.
- ALL VALLEYS MUST BE PROVIDED FLASHING NOT LESS THAN 0.019-INCH NO. 26 GAGE GALVANIZED SHEET CORROSION RESISTANT METAL INSTALLED OVER NOT LESS THAN ONE LAYER OF MINIMUM 72-POUND MINERAL-SURFACED NONPERFORATED CAP SHEET COMPLYING WITH ASTM D 3909, AT LEAST 36-INCH WIDE RUNNING THE FULL LENGTH OF THE VALLEY.
- COMPLYING WITH ASTM D 3909, AT LEAST 36-INCH WIDE RUNNING THE FULL LENGTH OF THE VALLEY. NONPERFORATED CAP SHEET COMPLYING WITH ASTM D 3909, AT LEAST 36-INCH WIDE RUNNING THE FULL LENGTH OF THE RIDGE OR HIP APPLIED OVER THE COMBUSTIBLE DECKING.
- ROOF GUTTERS SHALL BE PROVIDED WITH THE MEANS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS IN THE GUTTER. REQUIRED GUTTER SIZE, DOWNSPOUT SIZE, AND DOWNSPOUT SPACING/LOCATIONS TO BE CALCULATED AND VERIFIED BY INSTALLING SUBCONTRACTOR.

**ATTIC VENTILATION CALCULATION**

- ROOF AREA - HOUSE
  - 4100 SF/150 = 27.3 SF x 144 SF = 3936 SQ. INCH OF FREE TOTAL VENTILATION
  - VENT# 1 QTY. 40
  - VENT# 3 QTY. 1
  - VENT# QTY. 1
- ROOF AREA - GARAGE
  - SF/150 = SF x 144 SF = SQ. INCH OF FREE TOTAL VENTILATION
  - VENT# QTY.
  - VENT# QTY.
  - VENT# QTY.

- ① 0' HAGINS CONCEALED ROOF VENT =98 S.I.
- ② DORMER VENT 24"W =120 S.I.
- ③ GABLE VENT 14x24 =168 S.I.
- ④ GABLE VENT 14x18 =126 S.I.



① T.O. ROOF  
1/4" = 1'-0"

PREPARED BY:



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PROJECT:

**PROPOSED (1) STORY RESIDENCE**

REVISIONS:

No.	Description	Date

PROJECT ADDRESS:

0 McAllister  
Riverside, Ca

CLIENT NAME:

DALE & TRISH

ROOF PLAN

Project number 21-2083

Date 14/06/2021 10:00:09 PM

Drawn by RM

Checked by ES

**A3**

Scale 1/4" = 1'-0"





**NOTE:**  
 BUILDING SHALL HAVE ADDRESS NUMBERS PLACED IN A POSITION THAT IS PLAINLY LEGIBLE AND VISIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY. NUMBERS SHALL CONTRAST WITH BACKGROUND, BE ARABIC OR ALPHABETICAL LETTERS AND BE A MIN. OF 4" HIGH WITH A MIN. STROKE OF 1/2". (R319.1)

**ELEVATION KEYNOTES**

- (U.N.O.) = UNLESS NOTED OTHERWISE.
- GAF COMP SHINGLE ROOF ESR 1475.
  - WOOD ROOF FASCIA
  - EXTERIOR FINISH - WOOD SIDING  
 A. EXTERIOR PLASTER, PROVIDE (2) LAYERS OF GRADE "D" PAPER OVER ALL WOOD BASE SHEATHING. (R703.7.3)
  - EXTERIOR FINISH - SHINGLE  
 A. EXTERIOR PLASTER, PROVIDE (2) LAYERS OF GRADE "D" PAPER OVER ALL WOOD BASE SHEATHING. (R703.7.3)
  - PROVIDE WEEP SCREED AT FOUNDATION (2/AD.1)  
 A. A MIN. 26 GA CORROSION-RESISTANT PLASTIC WITH A MIN. VERTICAL FLANGE OF 3-1/2" SHALL BE PROVIDED AT OR BELOW FOUNDATION PLATE LINE ON EXTERIOR STUD WALLS. SCREED SHALL BE A MIN. OF 4" ABOVE EARTH OR 2" ABOVE PAVED AREAS.
  - DOOR - SEE SCHEDULE
  - WINDOW - SEE SCHEDULE
  - OVERHEAD GARAGE DOOR
  - CORONADO STONE VENEER PER ESR 2598, SEE SHEET AD2
  - METAL RAILINGS
  - WOOD BEAMS
  - LATTICE WORK - 4"X10" WOOD
- \*\* WINDOWS AND DOORS SHALL BE INSTALLED AN FLASHED PER MANUFACTURERS WRITTEN INSTALLTION INSTRUCTIONS.

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**PROPOSED (1) STORY RESIDENCE**

REVISIONS:

No.	Description	Date

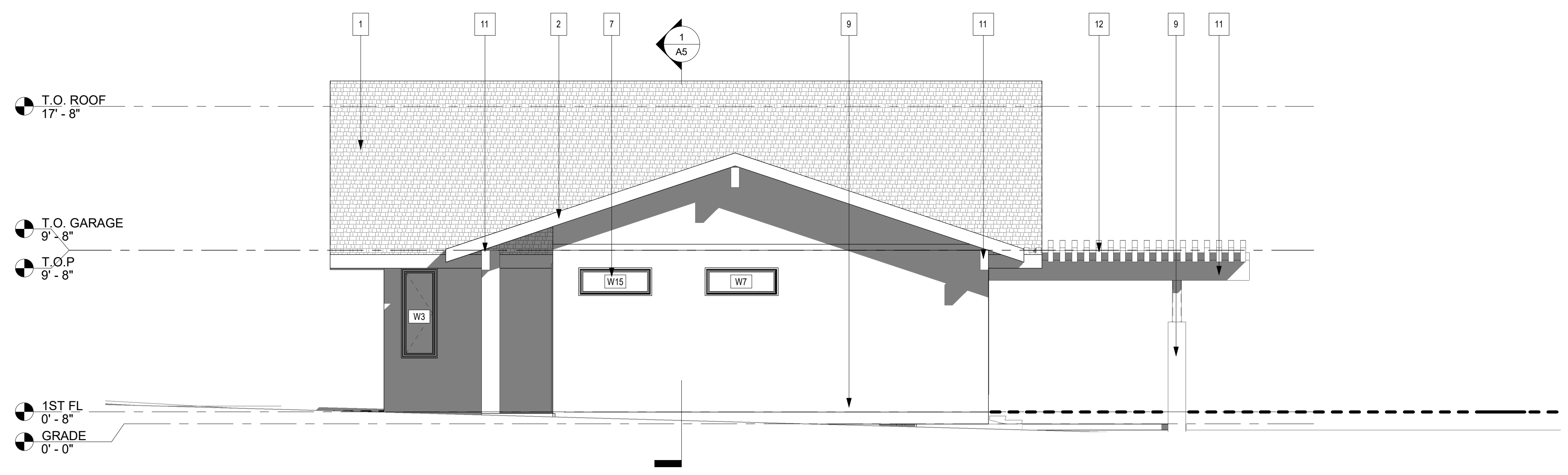
PROJECT ADDRESS:  
 0 McAllister  
 Riverside, Ca

CLIENT NAME:  
 DALE & TRISH

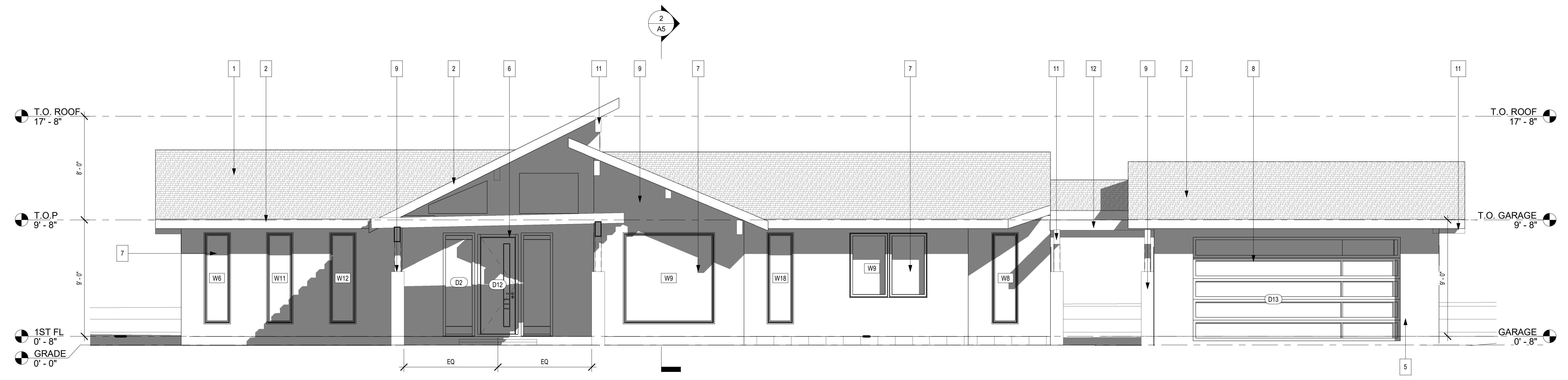
**PROPOSED  
ELEVATIONS**

Project number 21-2083  
 Date 14/06/2021 10:00:13 PM  
 Drawn by RM  
 Checked by ES

**A4**  
 Scale 1/4" = 1'-0"



② LEFT ELEVATION  
 1/4" = 1'-0"



① FRONT ELEVATION  
 1/4" = 1'-0"

**NOTE:**

BUILDING SHALL HAVE ADDRESS NUMBERS PLACED IN A POSITION THAT IS PLAINLY LEGIBLE AND VISIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY. NUMBERS SHALL CONTRAST WITH BACKGROUND, BE ARABIC OR ALPHABETICAL LETTERS AND BE A MIN. OF 4" HIGH WITH A MIN. STROKE OF 1/2". (R319.1)

**ELEVATION KEYNOTES**

(U.N.O.) = UNLESS NOTED OTHERWISE.

1. GAF COMP SHINGLE ROOF ESR 1475.
2. WOOD ROOF FASCIA
3. EXTERIOR FINISH - WOOD SIDING
  - A. EXTERIOR PLASTER: PROVIDE (2) LAYERS OF GRADE "D" PAPER OVER ALL WOOD BASE SHEATHING. (R703.7.3)
4. EXTERIOR FINISH - SHINGLE
  - A. EXTERIOR PLASTER: PROVIDE (2) LAYERS OF GRADE "D" PAPER OVER ALL WOOD BASE SHEATHING. (R703.7.3)
5. PROVIDE WEEP SCREED AT FOUNDATION (2/AD 1)
  - A. A MIN. 26 GA CORROSION-RESISTANT PLASTIC WITH A MIN. VERTICAL FLANGE OF 3-1/2" SHALL BE PROVIDED AT OR BELOW FOUNDATION PLATE LINE ON EXTERIOR STUD WALLS. SCREED SHALL BE A MIN. OF 4" ABOVE EARTH OR 2" ABOVE PAVED AREAS.
6. DOOR - SEE SCHEDULE
7. WINDOW - SEE SCHEDULE
8. OVERHEAD GARAGE DOOR
9. CORONADO STONE VENEER PER ESR 2598, SEE SHEET AD2
10. METAL RAILINGS
11. WOOD BEAMS
12. LATTICE WORK - 4"X10" WOOD

\*\* WINDOWS AND DOORS SHALL BE INSTALLED AND FLASHED PER MANUFACTURERS WRITTEN INSTALLTION INSTRUCTIONS.

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PROJECT:

**PROPOSED (1) STORY RESIDENCE**

REVISIONS:

No.	Description	Date

PROJECT ADDRESS:

0 McAllister  
Riverside, Ca

CLIENT NAME:

DALE & TRISH

PROPOSED  
ELEVATION

Project number 21-2083

Date 14/06/2021 10:00:16 PM

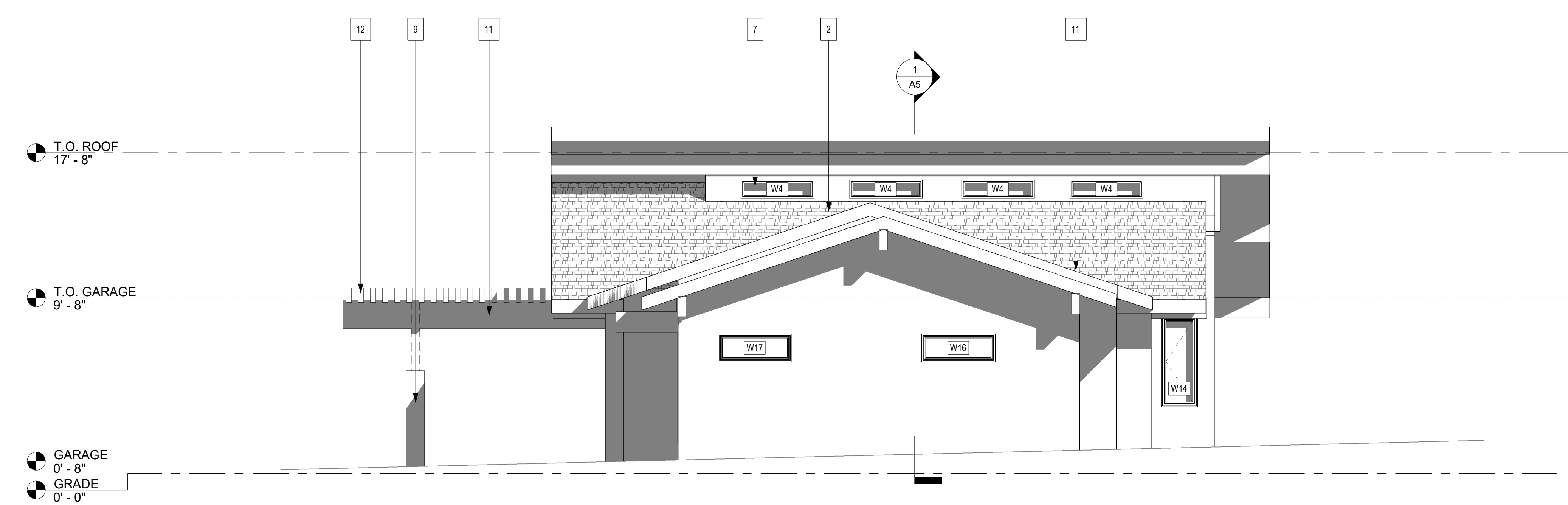
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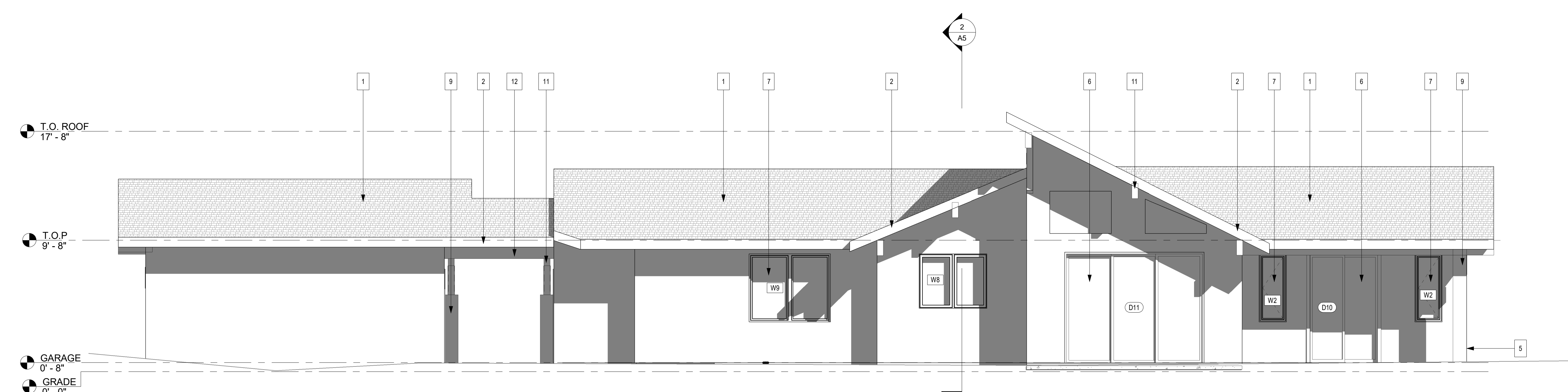
**A4.1**

Scale 1/4" = 1'-0"

14/06/2021 10:00:16 PM



2 RIGHT ELEVATION  
1/4" = 1'-0"



1 REAR ELEVATION  
1/4" = 1'-0"

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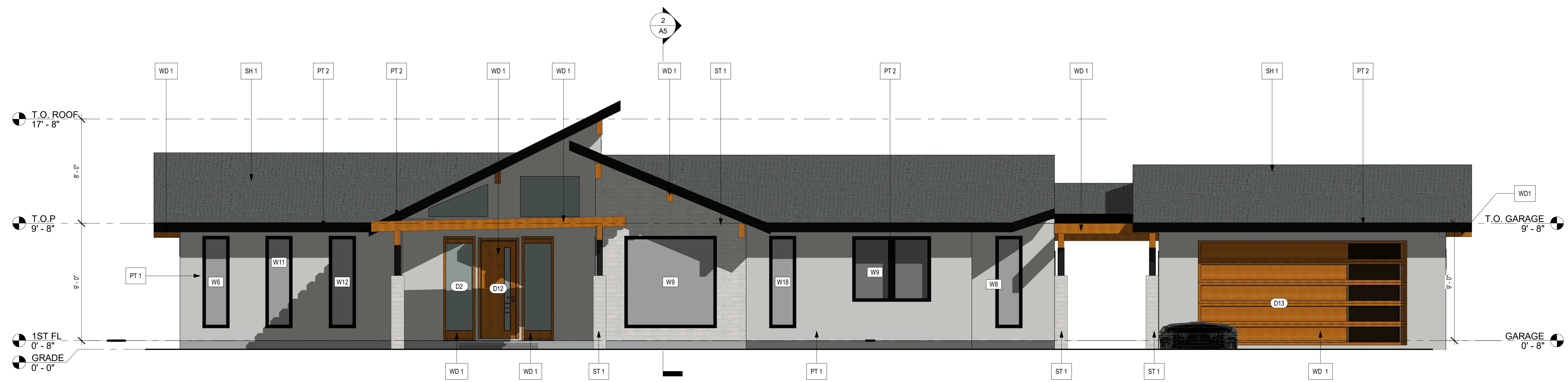
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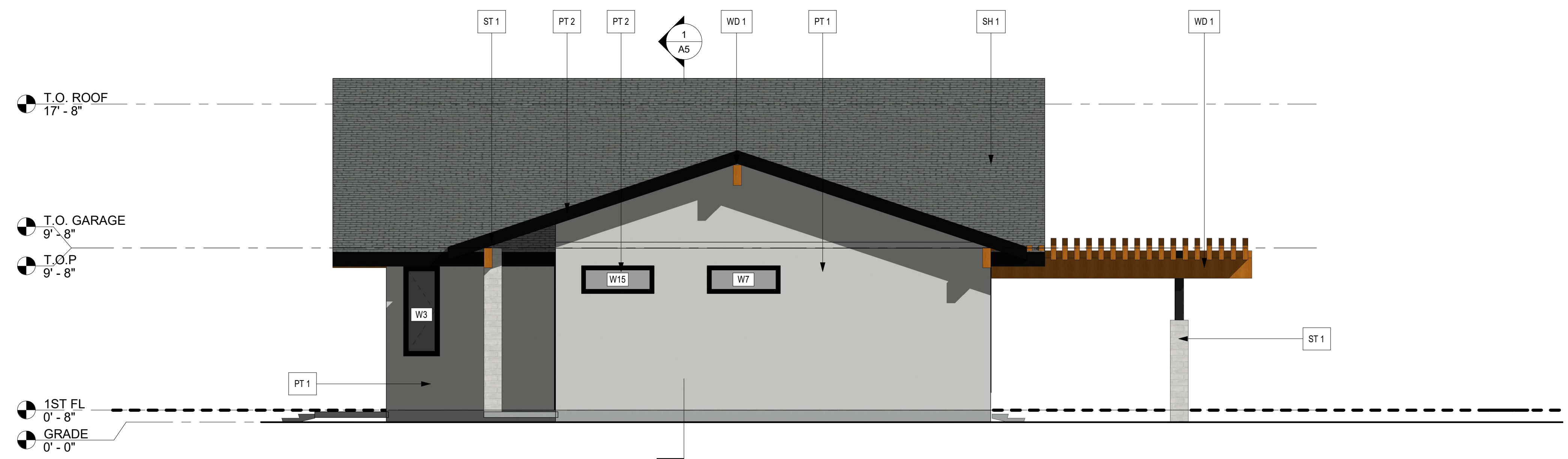
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PROJECT:

**PROPOSED (1) STORY RESIDENCE**



1 FRONT ELEVATION - COLORED  
1/4" = 1'-0"



2 LEFT ELEVATION - COLORED  
1/4" = 1'-0"

PT 1

PT 2

ST 1   
Stone

WD 1   
Wood

WD 2   
Wood

SH 1   
Shingles

REVISIONS:

No.	Description	Date

PROJECT ADDRESS:  
0 McAllister  
Riverside, Ca

CLIENT NAME:  
DALE & TRISH

COLORED  
ELEVATIONS

Project number 21-2083  
Date 14/06/2021 10:00:32 PM  
Drawn by Author  
Checked by Checker

**A4.4**  
Scale 1/4" = 1'-0"

PREPARED BY:



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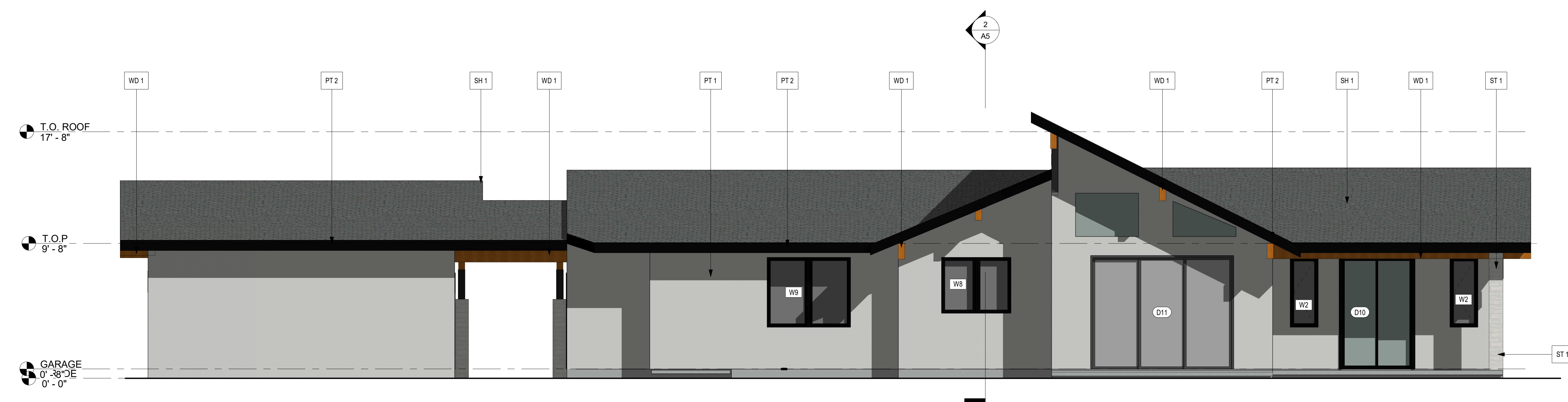
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Email: everett@everettsmithdesigns.com

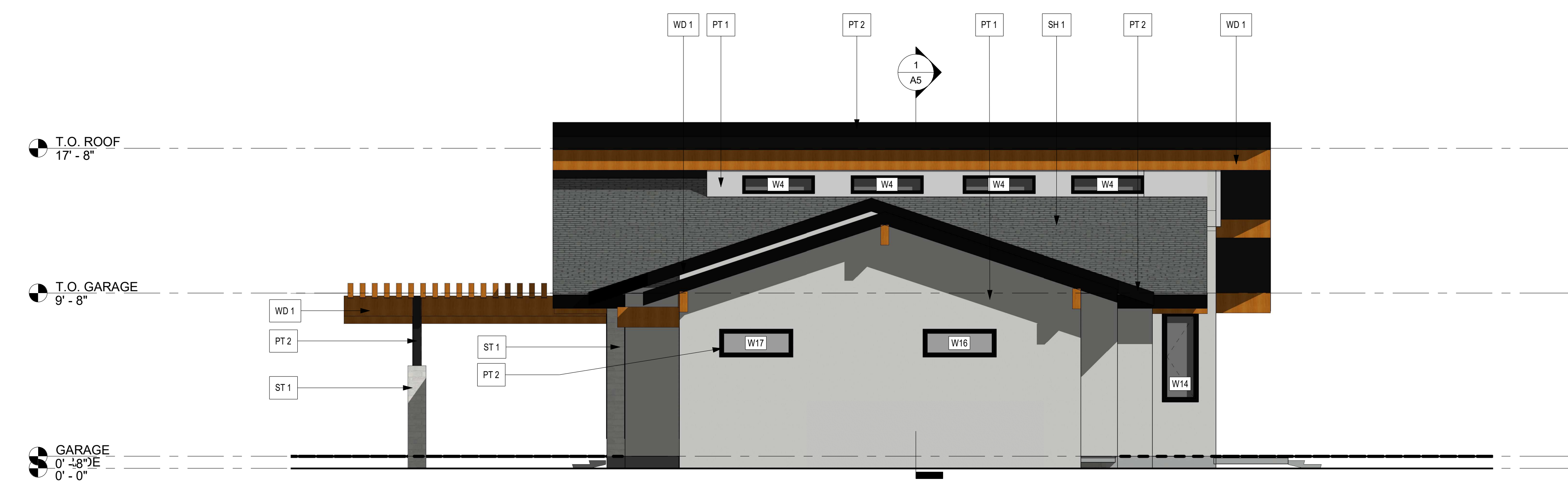
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PROJECT:

**PROPOSED (1) STORY RESIDENCE**



① REAR ELEVATION - COLORED  
1/4" = 1'-0"



② RIGHT ELEVATION - COLORED  
1/4" = 1'-0"

Material legend for colored elevations:

- PT 1: Light green textured surface
- PT 2: Solid black surface
- ST 1: Light grey stone pattern
- WD 1: Medium brown wood grain
- WD 2: Dark brown wood grain
- SH 1: Dark grey shingle pattern

REVISIONS:

No.	Description	Date

PROJECT ADDRESS:

0 McAllister  
Riverside, Ca

CLIENT NAME:

DALE & TRISH

COLORED  
ELEVATIONS

Project number 21-2083

Date 14/06/2021 10:00:46 PM

Drawn by Author

Checked by Checker

**A4.6**

Scale 1/4" = 1'-0"



PREPARED BY:



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PROJECT:

**PROPOSED (1) STORY RESIDENCE**

REVISIONS:

No.	Description	Date

PROJECT ADDRESS:

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Riverside, Ca

CLIENT NAME:

DALE & TRISH

**3D VIEWS**

Project number 21-2083

Date 14/06/2021 10:00:47 PM

Drawn by RM

Checked by ES

**A4.7**

Scale

## SECTION KEYNOTES

(U.N.O. = UNLESS NOTED OTHERWISE)

1. NEW COMP. ROOF.
2. PREFAB TRUSSES. SEE STRUCTURAL PLAN AND TRUSS PACKAGE
3. 2X STUDS @ 16" O.C. (U.N.O.) END NAILED TO TOP PLATES, MUD SILLS & SOLE PLATES W/(2) 16d (U.N.O.)
4. (2) 2X TOP PLATES, SAME WIDTH AS STUDS, INSTALLED TO PROVIDE OVERLAPPING AT CORNERS & AT INTERSECTIONS OF OTHER PARTITIONS. END JOINTS OF DBL. TOP PLATES TO OFFSET 48" (MIN.) & NAILED W/(2) 16d NAILS (U.N.O. ON PLANS).
5. 2X MUD SILL, PRESSURE TREATED OR FOUNDATION GRADE REDWOOD.
6. 2X SOLE PLATE, SAME WIDTH AS STUDS
7. CONCRETE SLAB AND FOOTING.
8. PLYWOOD, SOLID ROOF SHEATHING TO BE RADIANT BARRIER TYPE PER ENERGY CALCS
9. 1/2" DRYWALL (TYPICAL, U.N.O.)
10. HEADER OR BEAM PER STRUCTURAL
11. EXTERIOR FINISH - SEE ELEVATIONS.
12. FASCIA - SEE ELEVATIONS.
13. 2X SOLID BLOCKING.
14. FIBER BATT INSULATION PER SECTION NOTES ABOVE.
15. NEW WINDOW
16. NEW DOOR
17. NEW CEILING FRAMING.

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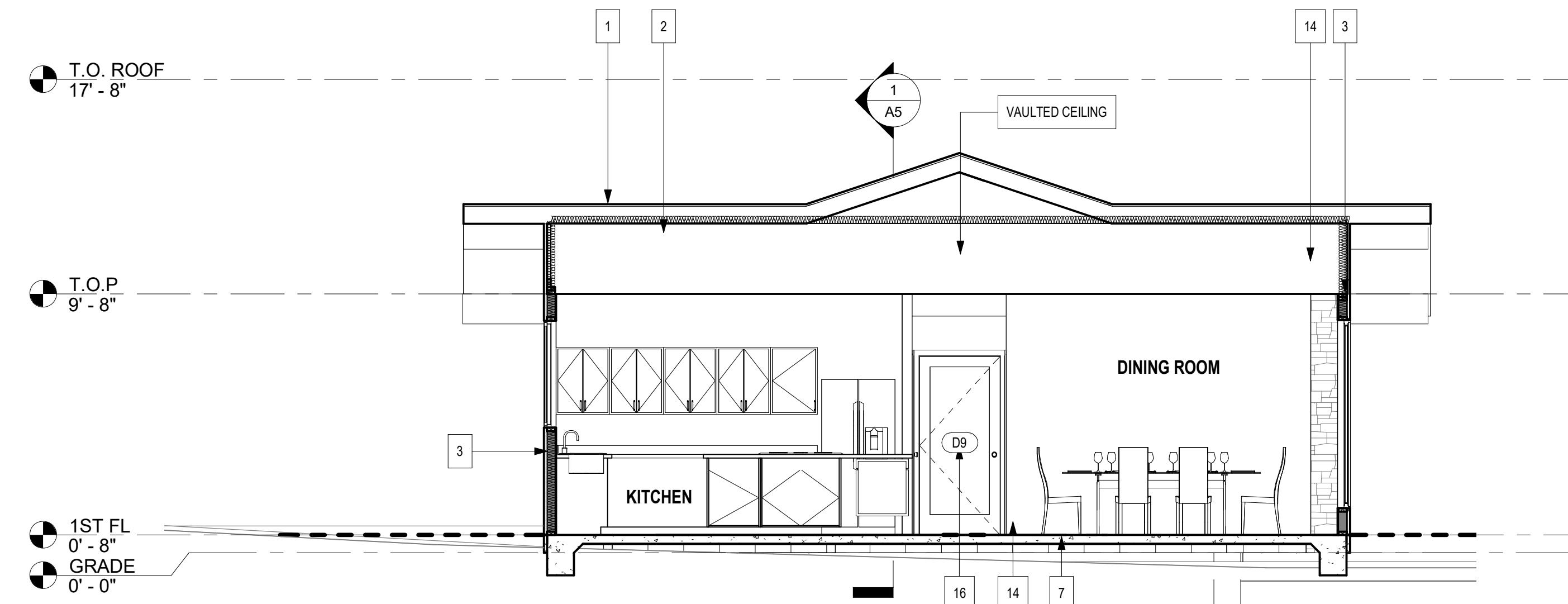
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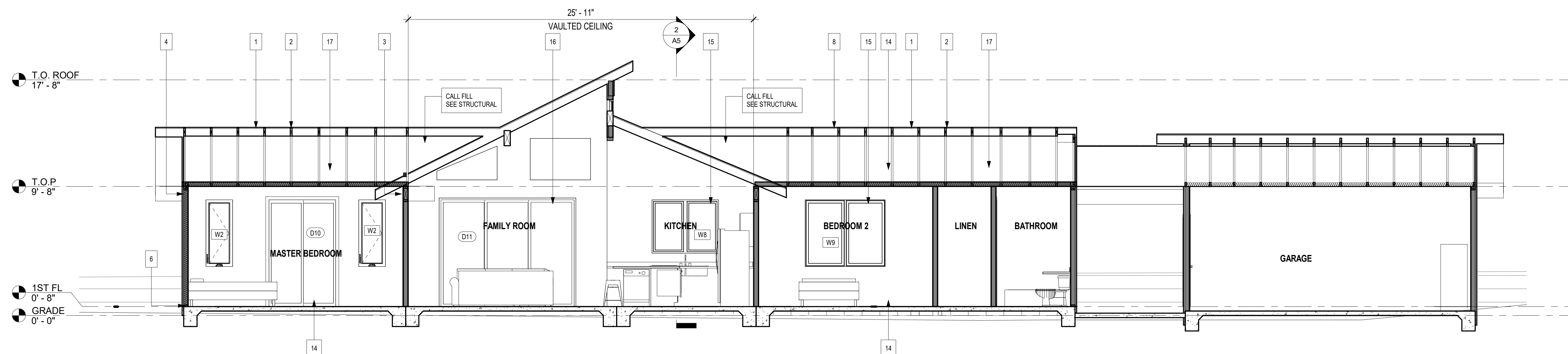
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PROJECT:

**PROPOSED (1) STORY RESIDENCE**



② Section 2  
1/4" = 1'-0"



① Section 1  
1/4" = 1'-0"

REVISIONS:

No.	Description	Date

PROJECT ADDRESS:

0 McAllister  
Riverside, Ca

CLIENT NAME:

DALE & TRISH

SECTIONS

Project number 21-2083

Date 14/06/2021 10:00:48 PM

Drawn by RM

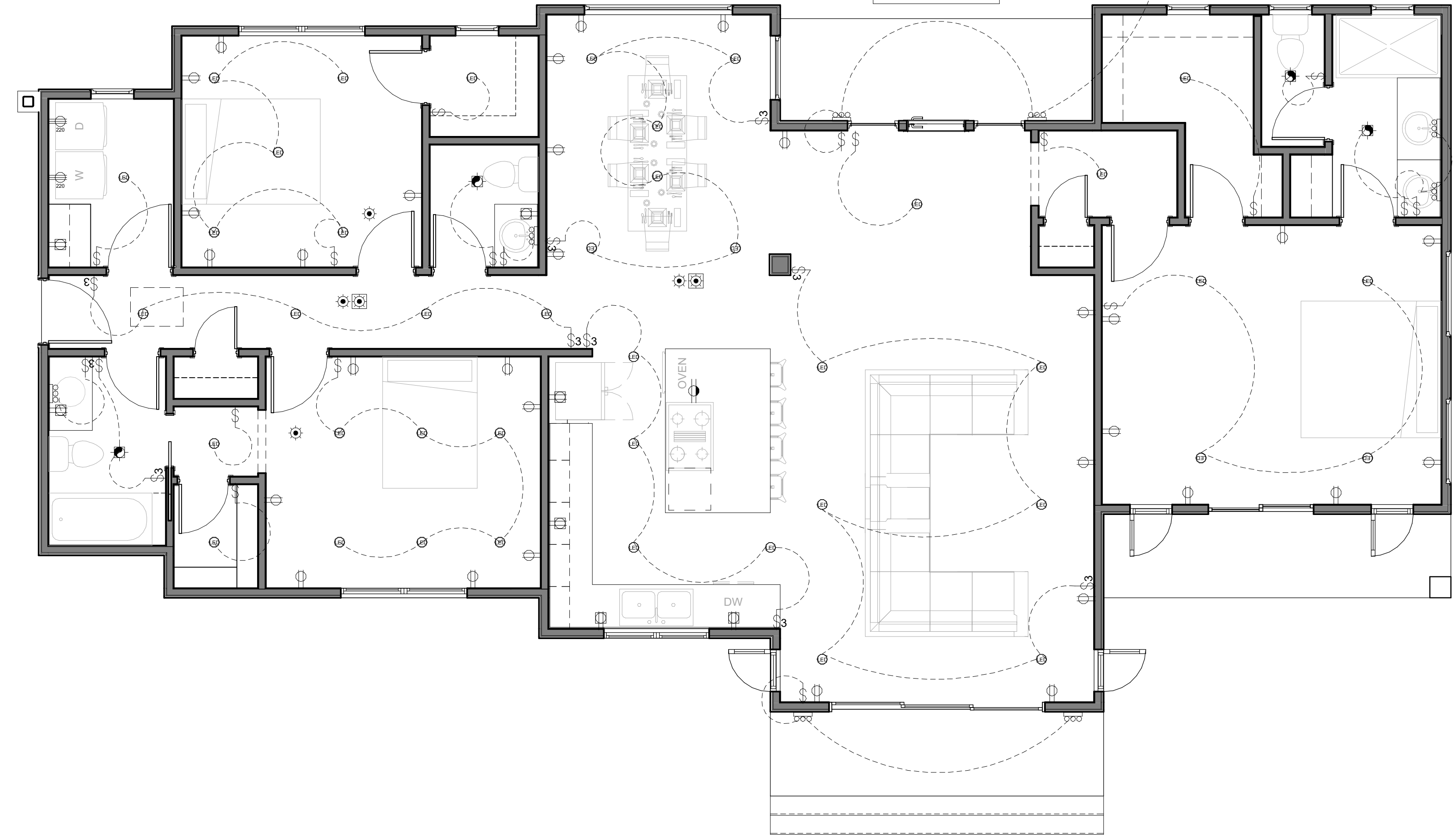
Checked by ES

**A5**

Scale 1/4" = 1'-0"

**CONSTRUCTION REQUIREMENTS**

1. BATHROOM:
  - A. ROOMS CONTAINING BATHTUBS, SHOWERS, SPAS AND SIMILAR FIXTURES SHALL BE PROVIDED WITH AN EXHAUST FAN WITH A MINIMUM CAPACITY OF 50 CFM. DUCTLESS FANS ARE UNACCEPTABLE. CRC R303.3, CBC 1203.4.2.1, CMC T-4.4
  - B. CLEARANCE FOR WATER CLOSET TO BE A MINIMUM OF 24-INCHES IN FRONT, AND 15-INCHES FROM ITS CENTER TO ANY SIDE WALL OR OBSTRUCTION. CPC 402.5
  - C. WATER CLOSET SHALL HAVE AN AVERAGE CONSUMPTION OF A MAXIMUM OF 1.28 GALLONS OF WATER PER FLUSH. CPC 403.2.1
  - D. RESIDENTIAL FAUCETS SHALL NOT EXCEED A WATER SUPPLY FLOW RATE OF 1.5 GALLONS PER MINUTE MEASURED AT 60 PSI, AND 0.8 GALLONS PER MINUTES AT 20 PSI.
  - E. SHOWER HEADS SHALL NOT EXCEED A WATER SUPPLY FLOW RATE CPC 403.7 OF 1.8 GALLONS OF WATER PER MINUTE AT 80 PSI. CPC 408.2
  - F. WALL COVERING OF SHOWERS OR TUBS WITH SHOWERS SHALL BE OF SMOOTH, NONABSORBENT SURFACE EXTENDED TO A HEIGHT NOT LESS THAN 6 FEET ABOVE THE FLOOR CRC R307.2, CBC 1210.2.3
  - G. THE NET AREA OF THE SHOWER ENCLOSURE SHALL BE 1,024 SQ. INCHES (7.1 SQ. FEET) OR MORE IN CLEAR FLOOR AREA, AND SHALL ALSO BE CAPABLE OF ENCOMPASSING A 30-INCH DIAMETER CIRCLE. CPC 408.6
2. KITCHEN:
  - A. KITCHEN SHALL HAVE A CLEAR PASSAGEWAY OF NOT LESS THAN 3 FT. CBC 1208.1
  - B. PROVIDE LOCAL EXHAUST SYSTEM VENTED TO OUTDOORS WITH RATE = 100 CFM. CEC 150.(c), ASHRAE 62.2
  - C. FAUCETS AT KITCHENS SHALL NOT EXCEED A WATER SUPPLY FLOW RATED OF 1.8 GALLONS PER MINUTE MEASURED AT 60 PSI. CDC 403.6
3. SAFETY GLAZING SHALL BE PROVIDED AT THE FOLLOWING HAZARDOUS LOCATIONS CRC R308.4 (CBC 2406.4):
  - A. WHEN LOCATED WITHIN 60-INCHES OF THE FLOOR SURFACE IN TUBS, SHOWERS, SAUNAS, OR STEAM ROOMS WHEN LOCATED WITHIN 60-INCHES OF THE FLOOR SURFACE IN TUBS, SHOWERS, SAUNAS, OR STEAM ROOMS.
  - B. WHERE GLAZING AREA IS MORE THAN 9 SQ. FT. IN AREA, WITH THE BOTTOM EDGE LESS THAN 18-INCHES ABOVE THE FLOOR AND TOP EDGE MORE THAN 36-INCHES ABOVE FLOOR.
4. ELECTRICAL:
  - A. ALL RECEPTACLE OUTLETS IN BATHROOMS, ABOVE KITCHEN COUNTERTOP, CRAWL SPACES, GARAGE, ROOFTOPS, OUTDOOR OUTLETS, WITHIN 6-FEET OF WET BAR SINK/LAUNDRY SINK TO BE PROTECTED BY GROUND FAULT CIRCUIT INTERRUPTER (GFCI). CEC 210.8.
  - B. ALL RECEPTACLE OUTLETS ARE REQUIRED TO BE LISTED TAMPER RESISTANT. (CEC 406.12 AND 210.52)
  - C. COMBINATION TYPE AFCI CIRCUIT BREAKERS ARE REQUIRED FOR ALL 120 VOLT SINGLE PHASE 15/20 AMP BRANCH CIRCUITS, EXCEPT FOR BATHROOMS, KITCHENS, GARAGES, OUTDOORS, AND LAUNDRY ROOMS. (CEC 210.12(B))
  - D. AT A MINIMUM, ONE DEDICATED 20 AMP CIRCUIT IS REQUIRED FOR A BATHROOM. (CEC 210.11(C)(2))
  - E. A GFCI PROTECTED RECEPTACLE IS REQUIRED WITHIN 3 FEET OF THE EDGE OF EACH BASIN IN A BATHROOM. (CEC 210.52(D))
  - F. RECEPTACLE OUTLETS ARE NOT ALLOWED WITHIN OR OVER A BATHTUB OR SHOWER STALL. (CEC 406.9 (C))
  - G. SUBPANELS ARE NOT ALLOWED TO BE LOCATED IN BATHROOMS OR CLOTHES CLOSETS. (CEC 240.24(D) AND 240.25(E))
  - H. CIRCUITS SHARING A GROUNDED CONDUCTOR (NEUTRAL) WITH TWO UNGROUNDED (HOT) CONDUCTORS MUST USE A TWO POLE CIRCUIT BREAKER OR AN IDENTIFIED HANDLE TIE. (CEC 210.4(B)) GROUP NON-CABLE CIRCUITS IN PANEL (CEC 210.4(D))
  - I. THE KITCHEN COUNTER TOP RECEPTACLES MUST HAVE A MIN. OF 2 DEDICATED 20 AMP CIRCUITS. (CEC 210.52(B))
  - J. THE RECEPTACLES IN THE DINING AREA, PANTRY, OR BREAKFAST NOOK MUST BE SUPPLIED BY DEDICATED 20 AMP CIRCUITS. (CEC 210.52(B))
  - K. KITCHEN COUNTER TOPS 12 INCHES OR WIDER MUST HAVE A RECEPTACLE OUTLET. (CEC 210.52(C))
  - L. KITCHEN COUNTER TOPS MUST HAVE RECEPTACLE OUTLETS SO NO POINT ALONG THE COUNTER WALLS IS MORE THAN 24 INCHES FROM A RECEPTACLE. (CEC 210.52(C))
  - M. ISLAND AND PENINSULAR COUNTER TOPS MUST HAVE AT LEAST ONE RECEPTACLE. (CEC 210.52(C)(1) AND (2))
  - N. KITCHEN COUNTERTOP RECEPTACLES SHALL BE READILY ACCESSIBLE, AND LOCATED NO MORE THAN 20 INCHES ON OR ABOVE, OR MORE THAN 12 INCHES BELOW THE COUNTERTOP SURFACE. (CEC 210.52(C)(5))
  - O. THE SPACING FOR GENERAL RECEPTACLE OUTLETS MUST BE LOCATED SO THAT NO POINT ON ANY WALL OR FIXED GLASS IS OVER 6 FEET FROM A RECEPTACLE OUTLET. (CEC 210.52(A))
  - P. HALLWAY 10 FEET OR MORE MUST HAVE AT LEAST ONE RECEPTACLE OUTLET. (CEC 210.52(H))
  - Q. LAUNDRY ROOMS MUST HAVE AT LEAST ONE DEDICATED 20 AMP RECEPTACLE CIRCUIT. (CEC 210.11 (C) (2))



1 PROPOSED GROUND FLOOR ELECTRICAL PLAN  
1/4" = 1'-0"

THE 2019 ENERGY STANDARDS REQUIRE ALL PERMANENTLY INSTALLED LUMINAIRES TO BE "HIGH EFFICACY," AS SPECIFIED IN 150.0(K). PERMANENTLY INSTALLED LIGHTING IS DEFINED IN 100.1 AND EXAMPLES OF PERMANENTLY INSTALLED LIGHTING INCLUDE:

- \*ALL LUMINAIRES INSTALLED IN RESIDENTIAL CONSTRUCTION MUST QUALIFY AS "HIGH EFFICACY LUMINAIRES" \* THIS ELIMINATES VARYING REQUIREMENTS BY ROOM AND TYPE OF CONTROLS. THIS ALSO ELIMINATES THE NEED TO CALCULATE THE WATTAGE OF LOW VERSUS HIGH EFFICACY LUMINAIRES IN THE KITCHEN.

  1. LIGHTING ATTACHED TO WALLS, CEILING, OR COLUMNS.
  2. TRACK AND FLEXIBLE LIGHTING SYSTEMS
  3. LIGHTING INSIDE PERMANENTLY INSTALLED CABINETS
  4. LIGHTING ATTACHED TO THE TOP OR BOTTOM OF PERMANENTLY INSTALLED CABINETS
  5. LIGHTING ATTACHED TO CEILING FANS
  6. LIGHTING INTEGRAL TO EXHAUST FANS
  7. LIGHTING THAT IS INTEGRAL TO GARAGE DOOR OPENERS IF IT IS DESIGNED TO BE USED AS GENERAL LIGHTING, IS SWITCHED INDEPENDENTLY FROM THE GARAGE DOOR OPENER, AND DOES NOT AUTOMATICALLY TURN OFF AFTER A PRE-DETERMINED AMOUNT OF TIME.

- \*\*PERMANENTLY INSTALLED LUMINAIRES IN BATHROOMS, ATTACHED AND DETACHED GARAGES, LAUNDRY ROOM AND UTILITY ROOMS SHALL MANUAL-ON/AUTOMATIC-OFF OCCUPANT SENSORS, ALSO KNOWN AS VACANCY SENSORS, AUTOMATICALLY TURN LIGHTS OFF IF AN OCCUPANT FORGETS TO TURN THEM OFF WHEN A ROOM IS UNOCCUPIED. ADDITIONALLY, THESE SENSORS ARE REQUIRED TO PROVIDE THE OCCUPANT WITH THE ABILITY TO MANUALLY TURN THE LIGHTS:

  1. OFF UPON LEAVING THE ROOM
  2. OFF WHILE STILL OCCUPYING A ROOM
  3. ON UPON ENTERING THE ROOM

- A. ALL LUMINAIRES THAT ARE INSTALLED WITH JA8-CERTIFIED LIGHT SOURCES ARE REQUIRED TO BE CONTROLLED BY EITHER A DIMMER OR VACANCY SENSOR. IN ADDITION, ALL BLANK ELECTRICAL BOXES MORE THAN FIVE FEET ABOVE THE FLOOR MUST BE CONTROLLED BY A DIMMER, VACANCY SENSOR, OR FAN SPEED CONTROL.
- B. DIMMERS OR VACANCY SENSORS ARE NOT REQUIRED ON ANY LUMINAIRES LOCATED IN CLOSETS LESS THAN 70 SQUARE FEET, OR IN HALLWAYS.
- C. LUMINAIRES PROVIDING OUTDOOR LIGHTING, INCLUDING LIGHTING FOR PATIOS, ENTRANCE, AND PORCHES, WHICH ARE PERMANENTLY MOUNTED, SHALL BE HIGH EFFICACY. THE LIGHTING SHALL BE CONTROLLED BY A MANUAL ON/OFF SWITCH DETECTOR NOT HAVING AN OVERRIDE OR BYPASS SWITCH THAT DISABLES THE PHOTO CONTROL, OR ASTRONOMICAL TIME CLOCK NOT HAVING AN OVERRIDE OR BYPASS SWITCH THAT DISABLES THE TIME CLOCK, OR AN EMCS NOT HAVING AN OVERRIDE OR BYPASS SWITCH THAT ALLOWS THE LUMINAIRES TO BE ALWAYS ON.

WHOLE HOUSE EXHAUST FAN UNIT SCHEDULE											
UNIT	MANUFACTURER	MODEL#	LOCATION	TYPE	CFM	DUCT COLLAR	SONE	ELECTRICAL			NOTE
								POWER	VOLTS/PH/HZ	LIGHT	
WHF-1	PANASONIC	FV-11-15VK1	HALLWAY ATTIC	LOW SPEED CONTINUOUS	110	6" ROUND	0.3	6.5 WATTS	115/1/60	-	

**WhisperGreenSelect**

**Plug 'N Play™ Modules**

**FV-VS15VK1: Multi-Speed with Time Delay**

**FV-MSV1: Motion Sensor**

**FV-CSV1: Condensation Sensor**

**FV-NLVK1: LED Night Light**

Flow Specifications	WhisperGreenSelect™ FV-11-15VK1
Flow (CFM)	110
Static Pressure (in. w.c.)	0.1
Power (Watts)	6.5
Sound Power Level (dBA)	0.3

**Performance Curve (CFM vs. Static Pressure)**

**DC Motor Technology**

**WhisperGreenSelect**

**Specification Submittal Data**

**Dimensions**

**Warnings**

**Notes**

**Warnings**

**Architectural Specifications**

**DC Motor Technology**

**Model**   **Quantity**   **Comments**   **Project**

Model	Quantity	Comments	Project

- Lighting**
- WALL MOUNTED INCANDESCENT MULTI-LIGHT FIXTURE
  - WALL MOUNTED FLUORESCENT LIGHT FIXTURE
  - WALL MOUNTED INCANDESCENT LIGHT FIXTURE
  - WALL MOUNTED FLUORESCENT LIGHT
  - WALL MOUNTED UP LIGHT @ 16" A.F.F. U.N.O
  - SURFACE MOUNTED FLUORESCENT CEILING LIGHT FIXTURE
  - SURFACE MOUNTED INCANDESCENT CEILING LIGHT FIXTURE
  - PENDANT LIGHT FIXTURE
  - 4" RECESSED FLUORESCENT LIGHT FIXTURE
  - 6" RECESSED LED LIGHT FIXTURE
  - 4" RECESSED INCANDESCENT LIGHT FIXTURE
  - 6" RECESSED INCANDESCENT LIGHT FIXTURE
  - 1' X 4" SURFACE MOUNTED FLUORESCENT CEILING LIGHT FIXTURE
  - 2' X 4" SURFACE MOUNTED FLUORESCENT CEILING LIGHT FIXTURE
  - SURFACE MOUNTED FLUORESCENT UNDER CABINET LIGHT FIXTURE
  - SURFACE MOUNTED FLUORESCENT SOFFIT LIGHT FIXTURE
  - RECESSED LIGHT FIXTURE ON PHOTOCELL
  - SURFACE MOUNTED LIGHT FIXTURE ON PHOTOCELL
  - VAPOR PROOF RECESSED LIGHT FIXTURE, UL LISTED
  - RECESSED WALL WASH INCANDESCENT MULTI-LIGHT FIXTURE
  - RECESSED WALL WASH INCANDESCENT LIGHT FIXTURE
  - RECESSED LIGHT-EMITTING DIODE FIXTURE
- Switches**
- SINGLE SWITCH
  - 3-WAY SWITCH
  - 4-WAY SWITCH
  - SWITCH W/ MANUAL-ON/ AUTOMATIC-OFF OCCUPANT MOTION SENSOR 30'/MIN. NO MANUAL OVERRIDE
  - DIMMER SWITCH
  - 3-WAY DIMMER SWITCH
  - 4-WAY DIMMER SWITCH
  - JUNCTION BOX SWITCH
- Outlets**
- 110V CONV ARC FAULT CIRCUIT INTERRUPTED DUPLEX OUTLET - UNDER CABINET
  - 110V CONV ARC FAULT CIRCUIT INTERRUPTED DUPLEX OUTLET - HALF HOT
  - 110V CONV ARC FAULT CIRCUIT INTERRUPTED DUPLEX CEILING OUTLET - HALF HOT
  - 220V OUTLET
  - GROUND FAULT INTERRUPTED DUPLEX OUTLET
  - WEATHERPROOF GROUND FAULT INTERRUPTED DUPLEX OUTLET
  - FLOOR OUTLET, ROUND W/ LOW VOLTAGE OUTLET
  - JUNCTION BOX
- General Electrical**
- DOOR CHIMES
  - PUSH-BUTTON
  - UL-217 SMOKE DETECTOR/ ALARM HARD WIRED IN A SERIES (ALARMS SHALL BE INTERCONNECTED SEC 907.2.10) & W/ BATTERY BACK-UP
  - WALL MOUNTED SMOKE DETECTOR/ ALARM HARD WIRED IN A SERIES (ALARMS SHALL BE INTERCONNECTED SEC 907.2.10) & W/ BATTERY BACK-UP
  - UL-2034 SMOKE DETECTOR AND CARBON MONOXIDE ALARM COMBO HARD WIRED IN A SERIES (ALARMS SHALL BE INTERCONNECTED SEC 907.2.10) & W/ BATTERY BACK-UP
  - TELEPHONE JACK
  - CABLE TELEVISION JACK
  - COMPUTER DATA JACK
  - DISPOSAL
  - CENTRAL VACUUM SYSTEM
  - SECURITY SYSTEM PANEL
  - CABLE PANEL
  - ELECTRICAL PANEL (200AMP)
  - TELEPHONE PANEL
  - 13" X 4" ADDRESS SIGN ON PHOTO CELL
- Water**
- HOSE BIB W/ NON-REMOVABLE BACK FLOW PREVENTER DEVICE
  - HOSE BIB W/ SHUT-OFF/ NON-REMOVABLE BACK FLOW PREVENTER DEVICE
  - COLD WATER STUB FOR ICE MAKER
  - TANKLESS WATER HEATER MOUNTED @ 18" MIN. A.F.F., PROVIDE GAS, WATER, AND POWER HOOK-UP
- Gas**
- FUEL GAS
  - FIREPLACE KEY/SWITCH
  - GAS COMPANY RISER- 250 STANDARD SFD METER PER S.D.G. & E.
- Climate Control**
- THERMOSTAT
  - 220V CIRCUIT BREAKER FOR A.C. COMPRESSOR-30" CLR IN FRONT, 15" CLR. E.A. SIDE
  - SPLIT AIR CONDITIONING UNIT
- Exhaust Fans**
- ENERGY STAR EXHAUST FAN 50 CFM. MIN. CONTROL BY A HUMIDISTAT CAPABLE OF BEING ADJUSTED BETWEEN RELATIVE HUMIDITY RANGE OF 50%-80%, VENTED TO OUTSIDE AIR
  - ENERGY STAR EXHAUST FAN AND FLUORESCENT LIGHT FIXTURE COMBO 50 CFM. MIN. CONTROL BY A HUMIDISTAT CAPABLE OF BEING ADJUSTED BETWEEN RELATIVE HUMIDITY RANGE OF 50%-80%, VENTED TO OUTSIDE AIR
  - CONTINUOUS 'WHOLE BUILDING EXHAUST PER CEC SECTION 150. REF INDOOR VENTILATION CALC A2.1.
  - OVER HEAD EXHAUST HOOD ABOVE COOK TOP VENTED DIRECTLY TO OUTSIDE AIR. PROVIDE 100 CFM. MIN.
  - DRYER EXHAUST DUCT 4" DIA. MIN. VENTED TO OUTSIDE W/ BACKDRAFT DAMPER. EXHAUST DUCT LENGTH IS LIMITED TO 14' WITH 2 ELBOWS MAX.

PREPARED BY:

**EVERETT SMITH**  
**DESIGNS**

RIVERSIDE COUNTY, CA  
TEL: 951-323-2187

*Everett Smith*

Email: everett@everettsmithdesigns.com

The design, and the ideas and designs incorporated herein, are an instrument of professional service, in the property of Everett Smith, and is not to be used in whole or in part, for any other project without the written authorization of Everett Smith/ESDESIGNS. All Rights Reserved.

PROJECT:

**PROPOSED (1) STORY RESIDENCE**

REVISIONS:

No.	Description	Date

PROJECT ADDRESS:

**0 McAllister**  
**Riverside, Ca**

CLIENT NAME:

**DALE & TRISH**

**ELECTRICAL PLAN**

Project number	21-2083
Date	14/06/2021 10:00:50 PM
Drawn by	RM
Checked by	ES

**A6**

Scale 1/4" = 1'-0"

**PERFORMANCE PLATINUM™**



The new degree of comfort.

**PERFORMANCE PLATINUM™ High Efficiency Condensing Tankless Gas Water Heaters are designed to provide continuous hot water**

**Efficiency**

- 163 UEF with stainless steel condensing heat exchanger
- Easy Installation and Service**
- NEW! 2" venting connections**
- NEW! Vent up to 150 ft with 2" PVC and 60 ft with 2" PVC**
- Built-in condensate neutralizer
- 1/2" Gas line compatibility up to 24 ft.1
- NEW! Includes easy to install hanging bracket for time savings** (indoor models only)
- Exclusive! Maintenance Notice Setting** – Alerts homeowner, after 500 hours of use, to call for service (optional)
- Self-diagnostic system for easy installation and service
- High altitude capability – up to 8,400 ft. elevation above sea level!2
- Digital remote control **now pre-wired!** 10 ft. of thermostat wire included – shows temperature setting and service code.
- Requires 120V power supply

**Environmentally Friendly**

- Low Emissions** – Ultra low NOx burner meets SCAQMD rule 1146.2 requirements
- Exclusive! Water Savings Setting** – Save up to 1,100 gallons water/year\* by reducing flow at the tap until set temperature is achieved (optional)
- Safety**
- Exclusive! Overheat film wrap** – prevents dangerous temperatures and provides industry best side-to-side clearance of 1/2 inch
- Maximum water temperature is 140°F
- For higher temperature applications, upgrade kits are available
- Warranty**
- 12" Year heat exchanger – residential, 5-year heat exchanger – commercial, 5-year parts and 1-year labor



**PERFORMANCE PLATINUM™ High Efficiency Condensing Tankless**  
11,000-199,900 BTU/h

**PERFORMANCE PLATINUM Tankless Water Heater with EcoNet™ WiFi Included**

Shares all efficiency, performance, technology, warranty and safety values as standard models, with added WiFi capability.

**Smart Home Features**

- Water leak detection alert and system shut off (indoor models only) – may qualify for insurance discounts
- Mobile alerts for notifications/maintenance reminders
- Mobile gas and water usage reports
- Integration with NEST & Wink smart home systems

**Product Includes**

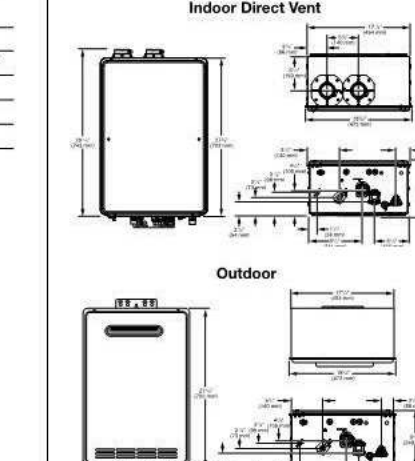
- Factory-installed transistor
- Leak-detection cable (for indoor models)
- Wi-Fi Module, connection cable and power cord

App available for iOS and Android. Download on the App Store or Google Play for Android.

**PERFORMANCE PLATINUM™ Condensing Tankless Specifications**

MODEL	SAS	TYPE	NUMBER OF BURNERS	TEMP. RANGE	MIN. FLOW RATE (GPM)	MAX. FLOW RATE (GPM)	MIN. GAS PRESS. (INCHES WC)	MAX. GAS PRESS. (INCHES WC)	VENT	VENT TYPE	VENT DIA. (INCHES)	VENT LENGTH (FEET)	VENT CLEARANCE (INCHES)	ENERGY INFO.	
ECH0200DLN-2	11,000-199,900	Indoor	2	82° to 140°F	0.265-4.0	5.7	8.5	3/4	3/4	27-112	18-12	9-3/4	2" or 2" PVC	82	
ECH0200DLN-2	11,000-199,900	Indoor	4	82° to 140°F	0.265-4.0	5.7	8.5	3/4	3/4	27-112	18-12	9-3/4	2" or 2" PVC	82	
ECH0200DLN-2	11,000-199,900	Outdoor	2	82° to 140°F	0.265-4.0	5.6	8.5	3/4	3/4	27-112	18-12	9-3/4	N/A	82	
ECH0200DLN-2	11,000-199,900	Outdoor	4	82° to 140°F	0.265-4.0	5.6	8.5	3/4	3/4	27-112	18-12	9-3/4	N/A	82	
ECH0200DLN-2	11,000-199,900	Indoor	3-4	82° to 140°F	0.265-4.0	5.2	7.7	9/8	3/4	3/4	27-112	18-12	9-3/4	2" or 2" PVC	82
ECH0200DLN-2	11,000-199,900	Indoor	3-4	82° to 140°F	0.265-4.0	5.2	7.7	9/8	3/4	3/4	27-112	18-12	9-3/4	2" or 2" PVC	82
ECH0200DLN-2	11,000-199,900	Outdoor	3-4	82° to 140°F	0.265-4.0	5.2	7.7	9/8	3/4	3/4	27-112	18-12	9-3/4	N/A	82
ECH0200DLN-2	11,000-199,900	Outdoor	3-4	82° to 140°F	0.265-4.0	5.2	7.7	9/8	3/4	3/4	27-112	18-12	9-3/4	N/A	82
ECH0200DLN-2	11,000-199,900	Indoor	3	82° to 140°F	0.265-4.0	4.6	6.7	8/4	3/4	3/4	27-112	18-12	9-3/4	2" or 2" PVC	82
ECH0200DLN-2	11,000-199,900	Outdoor	3	82° to 140°F	0.265-4.0	4.5	6.7	8/4	3/4	3/4	27-112	18-12	9-3/4	N/A	82

\*Based on simultaneous showers using 2.0 GPM flow rate pre-mixed with cold water. Flow rates vary depending on temperature of incoming cold water and water heater set temperature. Refer to flow rate curves for accurate sizing. Union Energy Factor and Energy Factor based on Department of Energy D.E.F. requirements. All models are available in Natural Gas and Propane. For Propane replace the 'N' with 'P' in the model number. SCAQMD 1146.2 compliant. Factory set maximum temperature is 120°F. See Use and Care Manual for setting. Consult factory for information on sizing the application. Vent termination kits are required for Direct Vent models. Contact your distributor for details. Propane gas pressure must be adjusted to supply tankless gas water heaters – up to 199,900 BTU/h for ECH0200 models, up to 199,900 BTU/h for ECH0400 models, up to 199,900 BTU/h for ECH0600 models. Contact your gas supplier.



**Temperature Rise (°F)**

Model Number	35°	45°	50°	60°	67°	70°	80°	90°	100°
ECH0200 Water Flow (GPM)	9.5	8.5	7.7	6.4	5.7	5.5	4.8	4.3	3.8
ECH0400 Water Flow (GPM)	9.2	7.7	6.9	5.8	5.2	4.9	4.3	3.8	3.3
ECH0600 Water Flow (GPM)	8.4	6.7	6.0	5.0	4.6	4.3	3.8	3.3	3.0

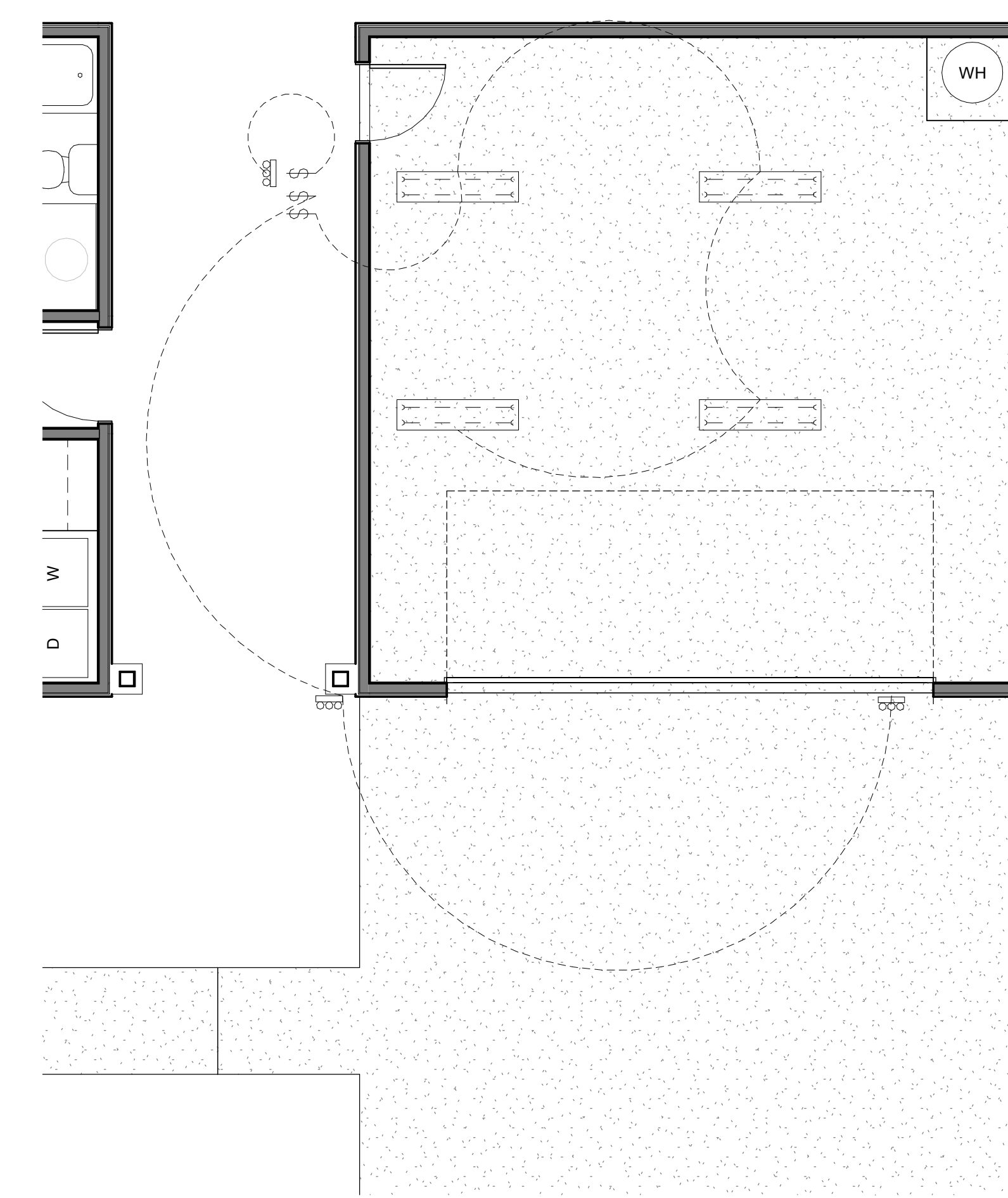
**Maximum Vent Length (Indicate Outside)**

Number of Elbows	90%	Maximum Length (Feet)	Minimum Length (Feet)
1	67'	148.5'	118.5'
2	58'	132.0'	102.0'
3	51'	115.5'	85.5'
4	45'	99.0'	69.0'
5	40'	82.5'	52.5'

Parts and Accessories  
Venting & terminations – 2" or 3" PVC, recess boxes, pipe covers, extra remote controls, EZ-Link™ cable, manifolds and cables, service valve kits, service parts, flush kits, recirculation pump kits and AllStar™ water treatment system. For more information on tankless parts and accessories, see the Parts and Accessories Catalog or call 866-750-2076.

In keeping with its policy of continuous progress and product improvement, Rheem reserves the right to make changes without notice.

Rheem Water Heating • 1115 Northmeadow Parkway, Suite 100  
Roswell, Georgia 30076 • www.rheem.com



1 GARAGE ELECTRICAL  
1/4" = 1'-0"

WH WATER HEATER  
3/4" = 1'-0"

**Lighting**

- WALL MOUNTED INCANDESCENT MULTI-LIGHT FIXTURE
- WALL MOUNTED FLUORESCENT LIGHT FIXTURE
- WALL MOUNTED INCANDESCENT LIGHT FIXTURE
- WALL MOUNTED FLUORESCENT LIGHT
- WALL MOUNTED UP LIGHT @ 16" A.F.F. U.N.O
- SURFACE MOUNTED FLUORESCENT CEILING LIGHT FIXTURE
- SURFACE MOUNTED INCANDESCENT CEILING LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- 4" RECESSED FLUORESCENT LIGHT FIXTURE
- 6" RECESSED LED LIGHT FIXTURE
- 4" RECESSED INCANDESCENT LIGHT FIXTURE
- 6" RECESSED INCANDESCENT LIGHT FIXTURE
- 1" X 4" SURFACE MOUNTED FLUORESCENT CEILING LIGHT FIXTURE
- 2' X 4' SURFACE MOUNTED FLUORESCENT CEILING LIGHT FIXTURE
- SURFACE MOUNTED FLUORESCENT UNDER CABINET LIGHT FIXTURE
- SURFACE MOUNTED FLUORESCENT SOFFIT LIGHT FIXTURE
- RECESSED LIGHT FIXTURE ON PHOTOCELL
- SURFACE MOUNTED LIGHT FIXTURE ON PHOTOCELL
- VAPOR PROOF RECESSED LIGHT FIXTURE, UL LISTED
- RECESSED WALL WASH INCANDESCENT MULTI-LIGHT FIXTURE
- RECESSED WALL WASH INCANDESCENT LIGHT FIXTURE
- RECESSED LIGHT-EMITTING DIODE FIXTURE

**Switches**

- SINGLE SWITCH
- 3-WAY SWITCH
- 4-WAY SWITCH
- SWITCH W/ MANUAL-ON/ AUTOMATIC-OFF OCCUPANT MOTION SENSOR 30'MIN. NO MANUAL OVERRIDE
- DIMMER SWITCH
- 3-WAY DIMMER SWITCH
- 4-WAY DIMMER SWITCH
- JUNCTION BOX SWITCH

**Outlets**

- 110V CONV ARC FAULT CIRCUIT INTERRUPTED DUPLEX OUTLET - UNDER CABINET
- 110V CONV ARC FAULT CIRCUIT INTERRUPTED DUPLEX OUTLET - HALF HOT
- 110V CONV ARC FAULT CIRCUIT INTERRUPTED DUPLEX CEILING OUTLET - HALF HOT
- 220V OUTLET
- GROUND FAULT INTERRUPTED DUPLEX OUTLET
- WEATHERPROOF GROUND FAULT INTERRUPTED DUPLEX OUTLET
- FLOOR OUTLET, ROUND W/ LOW VOLTAGE OUTLET
- JUNCTION BOX

**General Electrical**

- DOOR CHIMES
- PUSH-BUTTON
- UL-217 SMOKE DETECTOR/ ALARM HARD WIRED IN A SERIES (ALARMS SHALL BE INTERCONNECTED SEC 907.2.10) & W/ BATTERY BACK-UP
- WALL MOUNTED SMOKE DETECTOR/ ALARM HARD WIRED IN A SERIES (ALARMS SHALL BE INTERCONNECTED SEC 907.2.10) & W/ BATTERY BACK-UP
- UL-2084 SMOKE DETECTOR AND CARBON MONOXIDE ALARM COMBO HARD WIRED IN A SERIES (ALARMS SHALL BE INTERCONNECTED SEC 907.2.10) & W/ BATTERY BACK-UP
- TELEPHONE JACK
- CABLE TELEVISION JACK
- COMPUTER DATA JACK
- DISPOSAL
- CENTRAL VACUUM SYSTEM
- SECURITY SYSTEM PANEL
- CABLE PANEL
- ELECTRICAL PANEL (200AMP)
- TELEPHONE PANEL
- 13" X 4" ADDRESS SIGN ON PHOTO CELL

**Water**

- HOSE BIB W/ NON-REMOVABLE BACK FLOW PREVENTER DEVICE
- HOSE BIB W/ SHUT-OFF/ NON-REMOVABLE BACK FLOW PREVENTER DEVICE
- COLD WATER STUB FOR ICE MAKER
- TANKLESS WATER HEATER MOUNTED @ 18" MIN. A.F.F., PROVIDE GAS, WATER, AND POWER HOOK-UP

**Gas**

- FUEL GAS
- FIREPLACE KEY/SWITCH
- GAS COMPANY RISER- 250 STANDARD SFD METER PER S.D.G. & E.

**Climate Control**

- THERMOSTAT
- 220V CIRCUIT BREAKER FOR A.C. COMPRESSOR-30" CLR IN FRONT, 15" CLR. E.A. SIDE
- SPLIT AIR CONDITIONING UNIT

**Exhaust Fans**

- ENERGY STAR EXHAUST FAN 50 CFM. MIN. CONTROL BY A HUMIDISTAT CAPABLE OF BEING ADJUSTED BETWEEN RELATIVE HUMIDITY RANGE OF 50%-80%, VENTED TO OUTSIDE AIR
- ENERGY STAR EXHAUST FAN AND FLUORESCENT LIGHT FIXTURE COMBO 50 CFM. MIN. CONTROL BY A HUMIDISTAT CAPABLE OF BEING ADJUSTED BETWEEN RELATIVE HUMIDITY RANGE OF 50%-80%, VENTED TO OUTSIDE AIR
- CONTINUOUS "WHOLE BUILDING EXHAUST PER CEC SECTION 150. REF INDOOR VENTILATION CALC A2.1.
- OVER HEAD EXHAUST HOOD ABOVE COOK TOP VENTED DIRECTLY TO OUTSIDE AIR. PROVIDE 100 CFM. MIN.
- DRYER EXHAUST DUCT 4" DIA. MIN. VENTED TO OUTSIDE W/ BACKDRAFT DAMPER. EXHAUST DUCT LENGTH IS LIMITED TO 14" WITH 2 ELBOWS MAX.

PREPARED BY:



**EVERETT SMITH DESIGNS**

RIVERSIDE COUNTY, CA  
TEL: 951-323-2187

Email: everett@everettsmithdesigns.com

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PROJECT:

**PROPOSED (1) STORY RESIDENCE**

REVISIONS:

No.	Description	Date

PROJECT ADDRESS:

0 McAllister  
Riverside, Ca

CLIENT NAME:

DALE & TRISH

**ELECTRICAL PLAN**

Project number 21-2083

Date 14/06/2021 10:00:51 PM

Drawn by RM

Checked by ES

**A6.1**

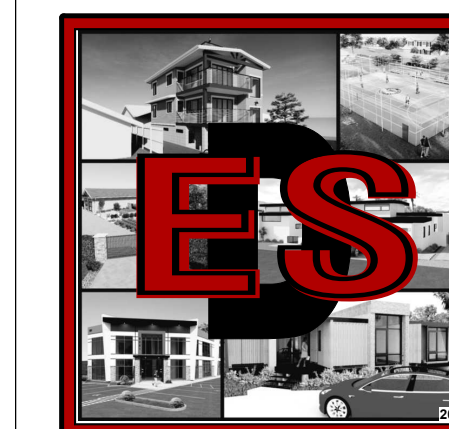
Scale As indicated



Door Schedule				
Mark	Type	Width	Height	Comments
D13	16'	16' - 0"	8' - 0"	
D14	36" x 80"	0' - 0"	0' - 0"	
O-1	36" x 80"	0' - 0"	0' - 0"	
D3	2068	2' - 0"	6' - 8"	
D4	2068	2' - 0"	6' - 8"	
D4	2468	2' - 4"	6' - 8"	
D5	2668	2' - 6"	6' - 8"	
D6	2668	2' - 6"	8' - 0"	
D7	2668	2' - 6"	6' - 8"	
D2	2670	2' - 5 1/16"	8' - 0"	
D15	2670	2' - 5 1/16"	8' - 0"	
D8	2868	2' - 8"	6' - 8"	
D9	3068	3' - 0"	6' - 8"	
D9	3068	3' - 0"	6' - 8"	
D12	3080	3' - 0"	8' - 6"	
D10	5080	5' - 0"	8' - 0"	
D11	10080	10' - 0"	8' - 0"	

Window Schedule Window Schedule -					
(SHGC 0.23 / U-FACTOR 0.30)					
Mark	Type	Width	Height	Count	OmniClass Title
	2050	2' - 0"	5' - 0"	4	Casement Windows
	2070	2' - 0"	7' - 0"	5	Fixed Windows
W13	3060	3' - 0"	6' - 0"	1	Fixed Windows
W4	4010	4' - 0"	1' - 0"	4	Fixed Windows
	4016	4' - 0"	1' - 6"	4	Fixed Windows
W8	5040	5' - 0"	4' - 0"	1	Fixed Windows
W9	6050	6' - 0"	5' - 0"	2	Fixed Windows
W9	7070	7' - 0"	7' - 0"	1	Fixed Windows

PREPARED BY:



**EVERETT SMITH  
DESIGNS**

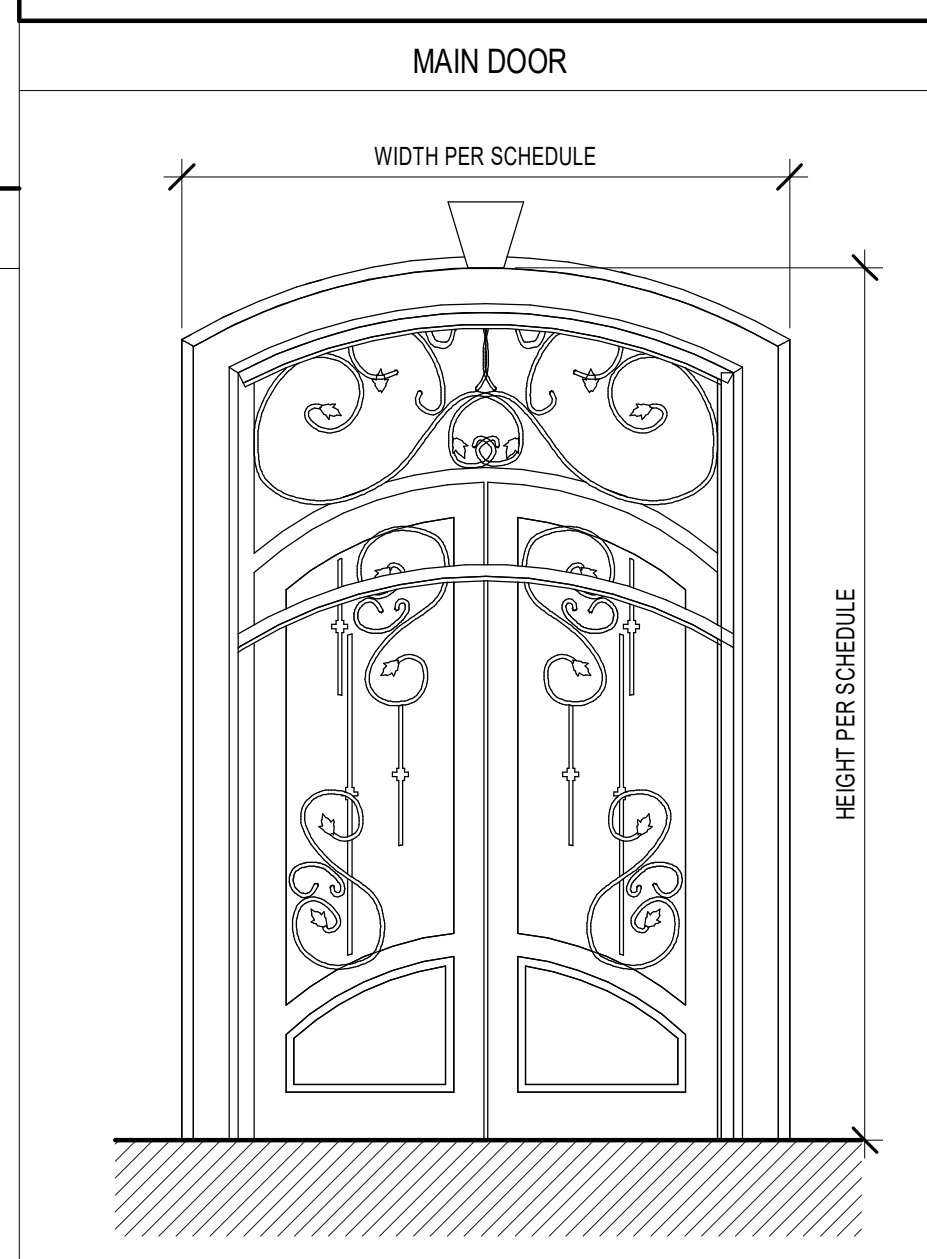
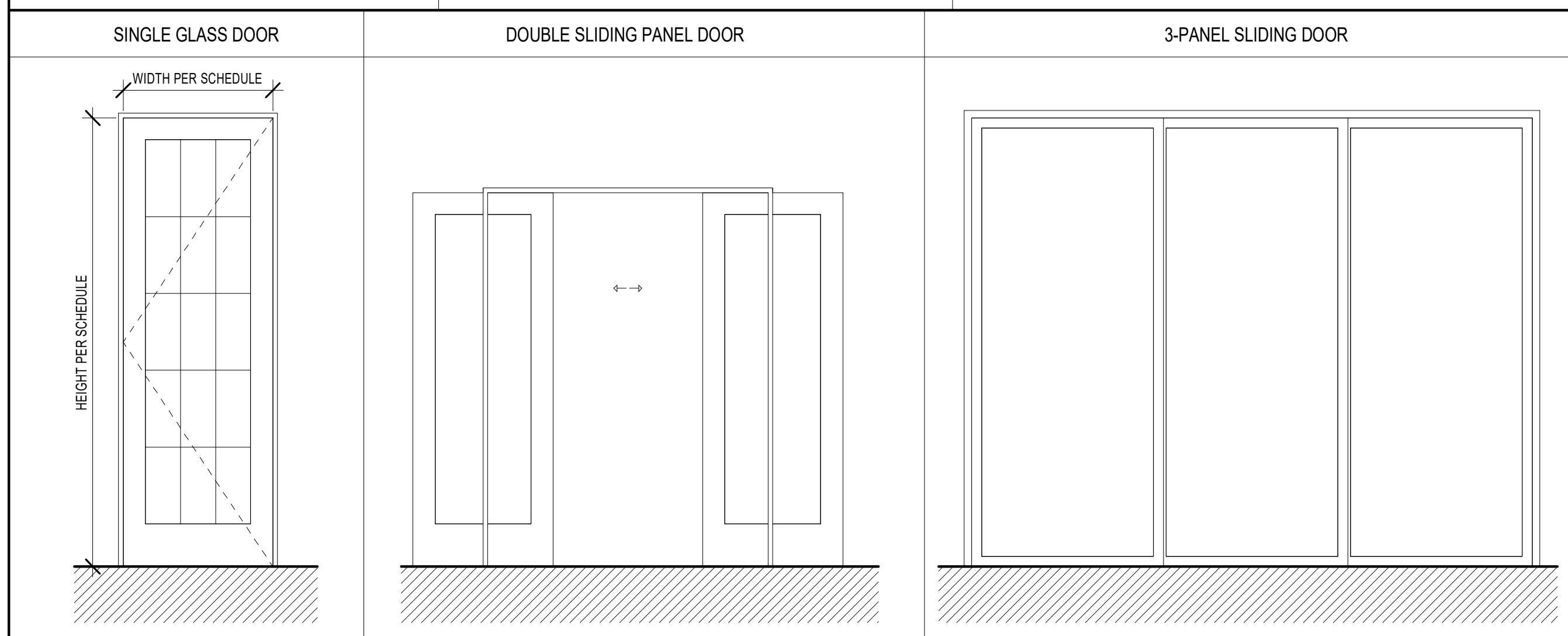
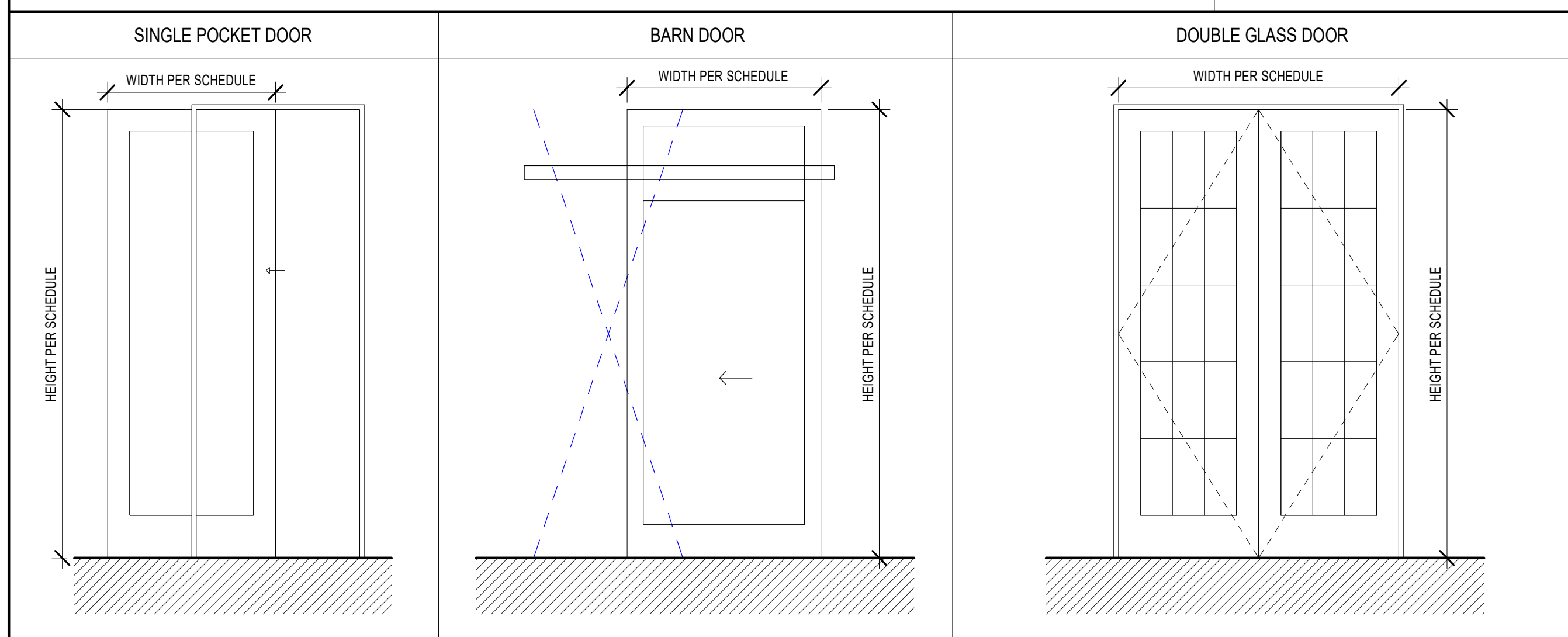
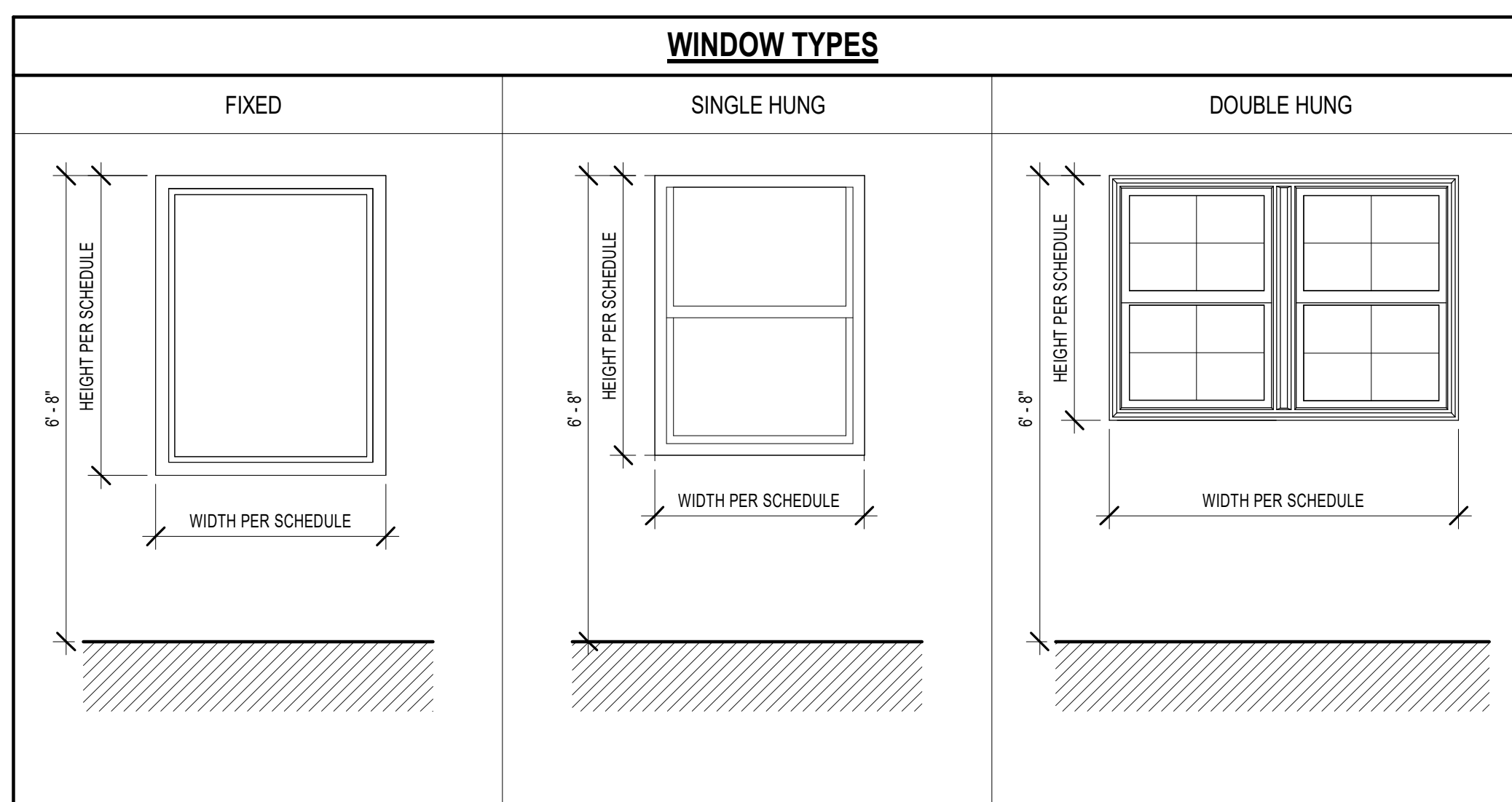
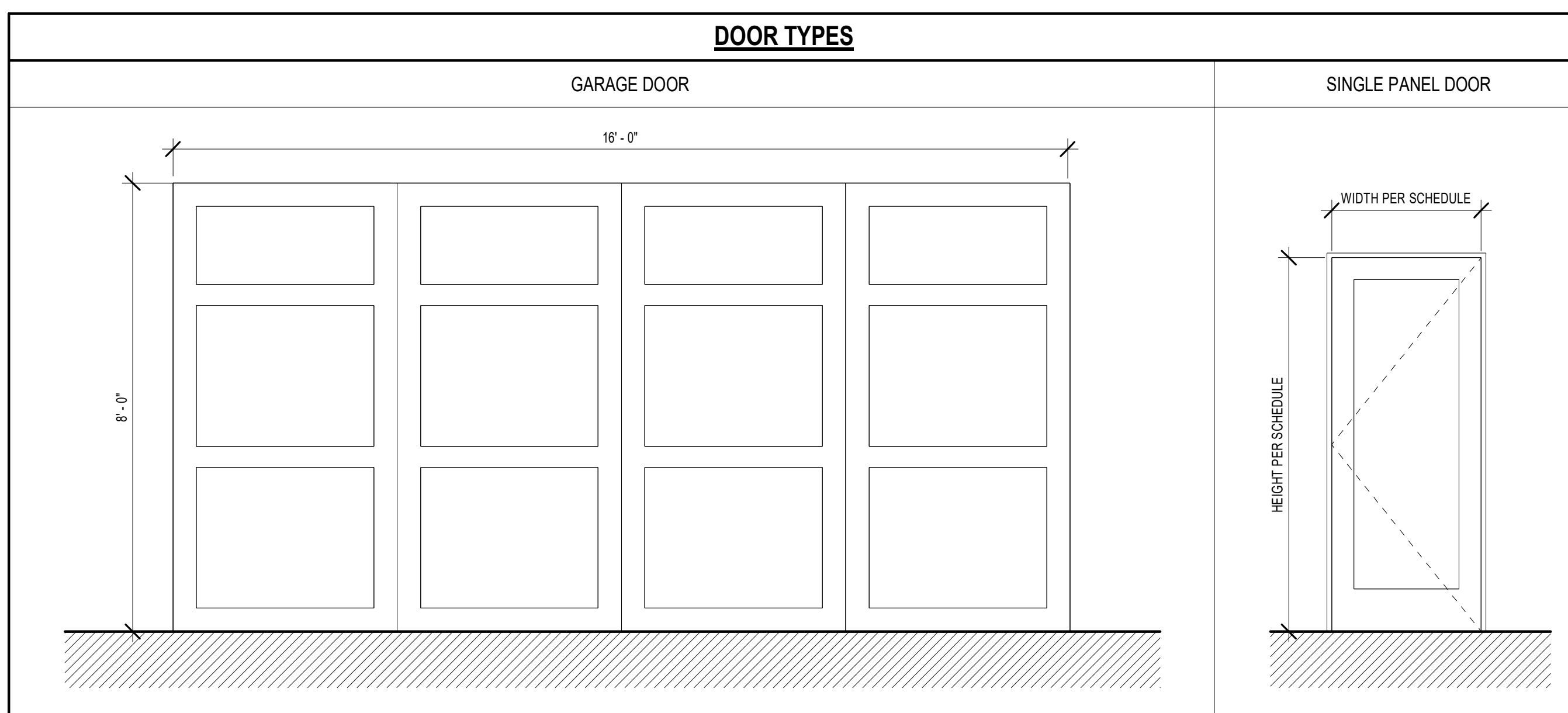
RIVERSIDE COUNTY, CA  
TEL: 951-323-2187

*Everett Smith*

Email: everett@everettsmithdesigns.com

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PROJECT:



**PROPOSED (1) STORY RESIDENCE**

REVISIONS:

No.	Description	Date

PROJECT ADDRESS:

0 McAllister  
Riverside, Ca

CLIENT NAME:

DALE & TRISH

**DOOR AND WINDOW  
SCHEDULE**

Project number 21-2083

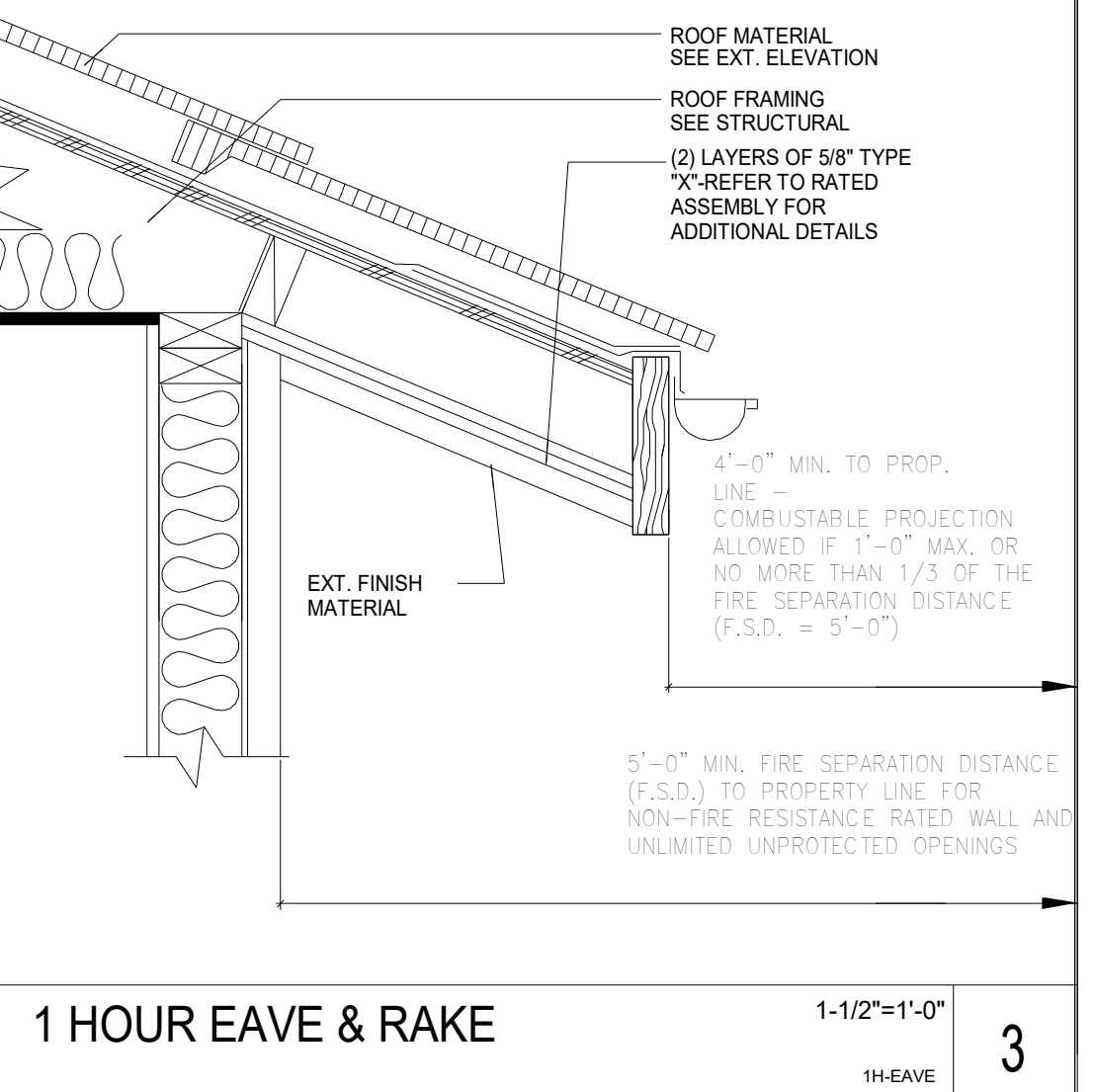
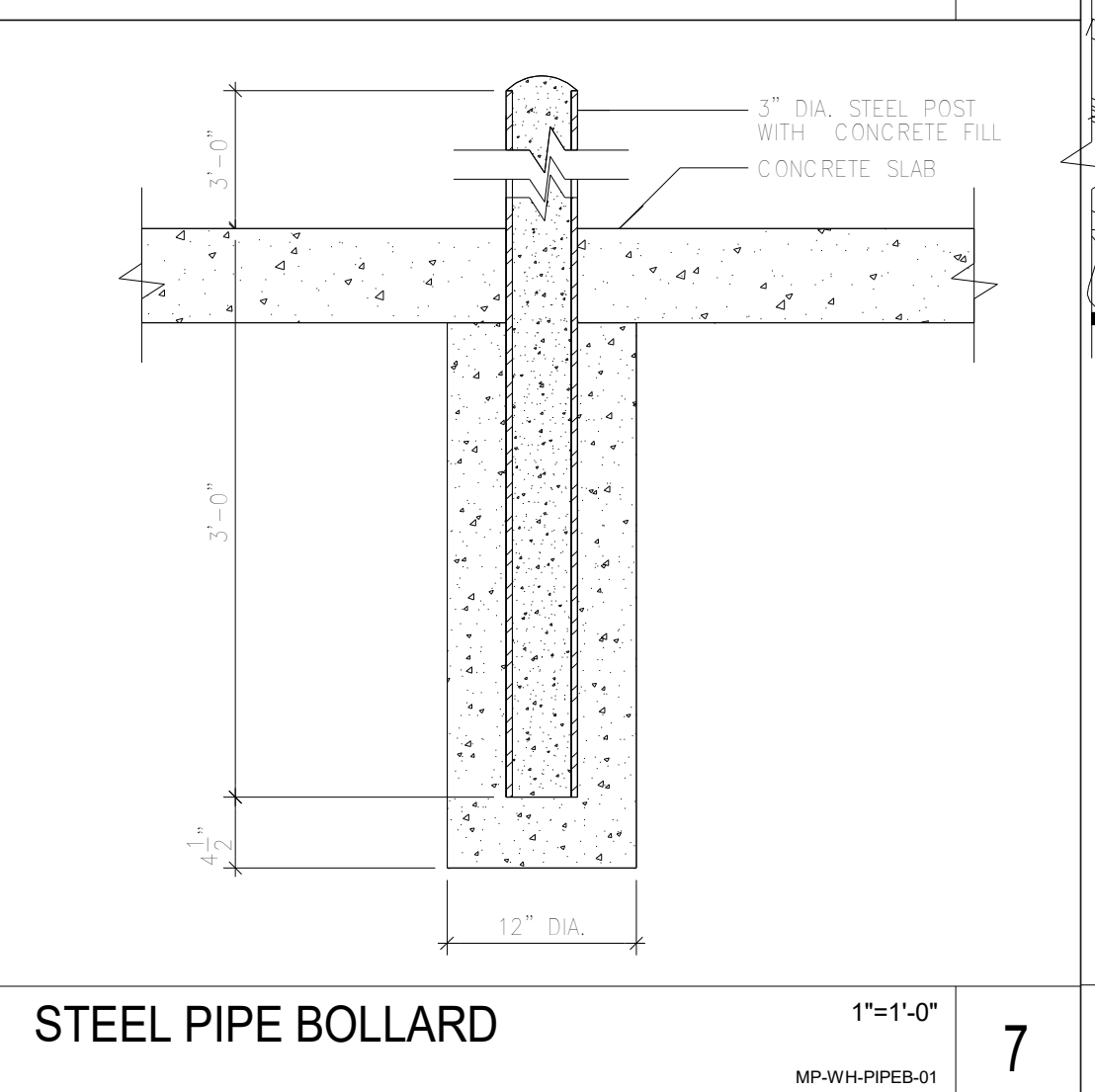
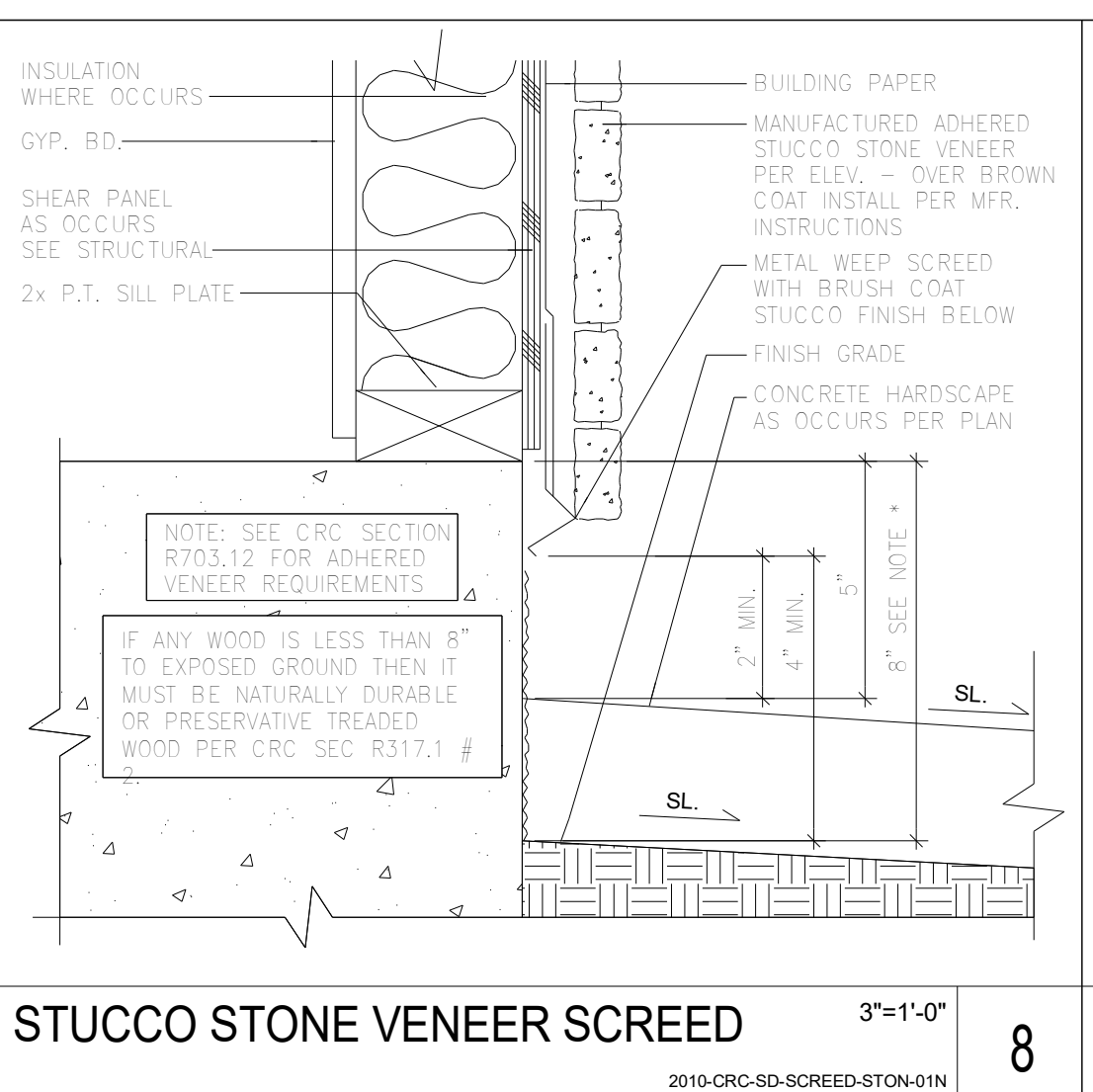
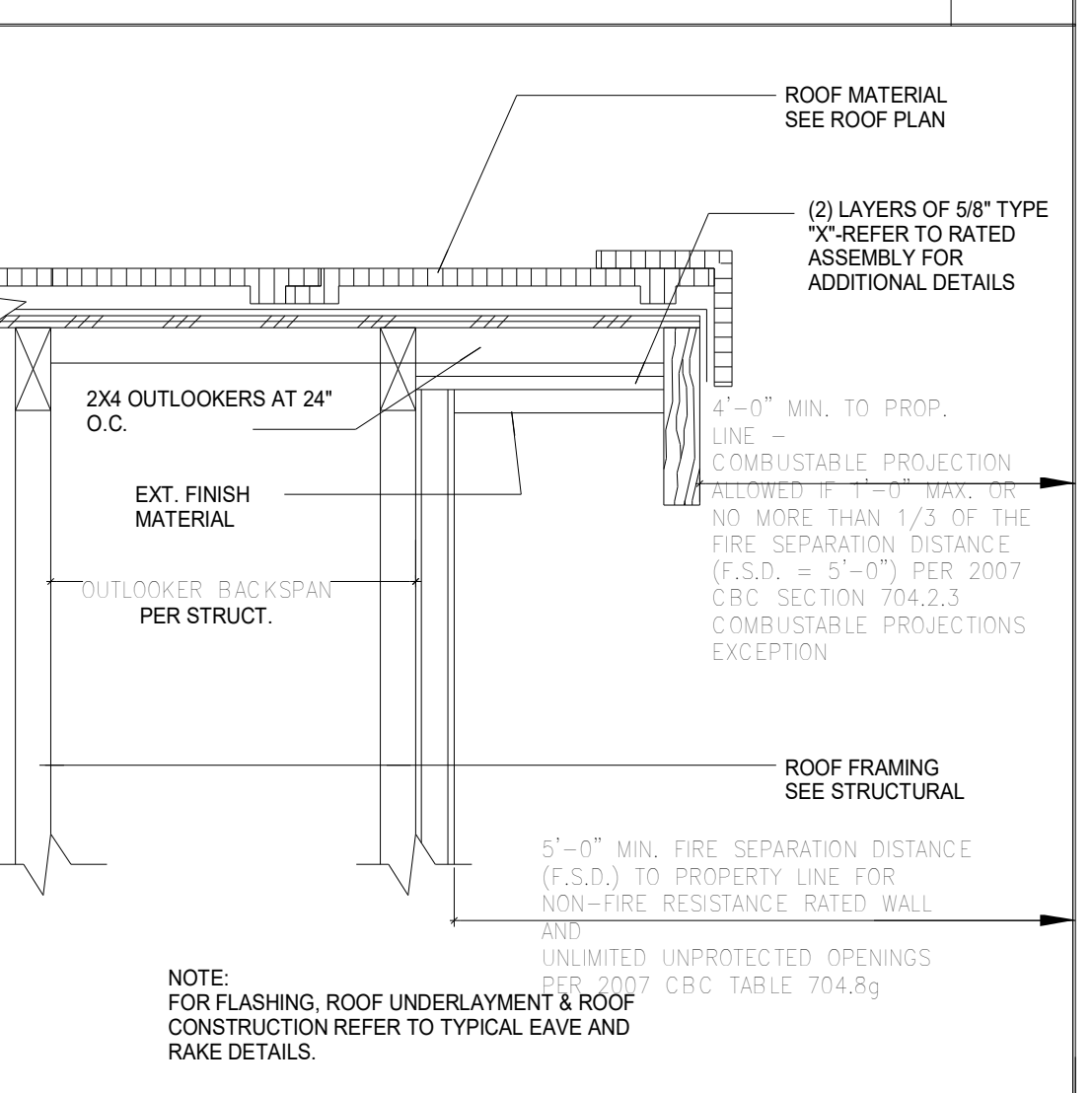
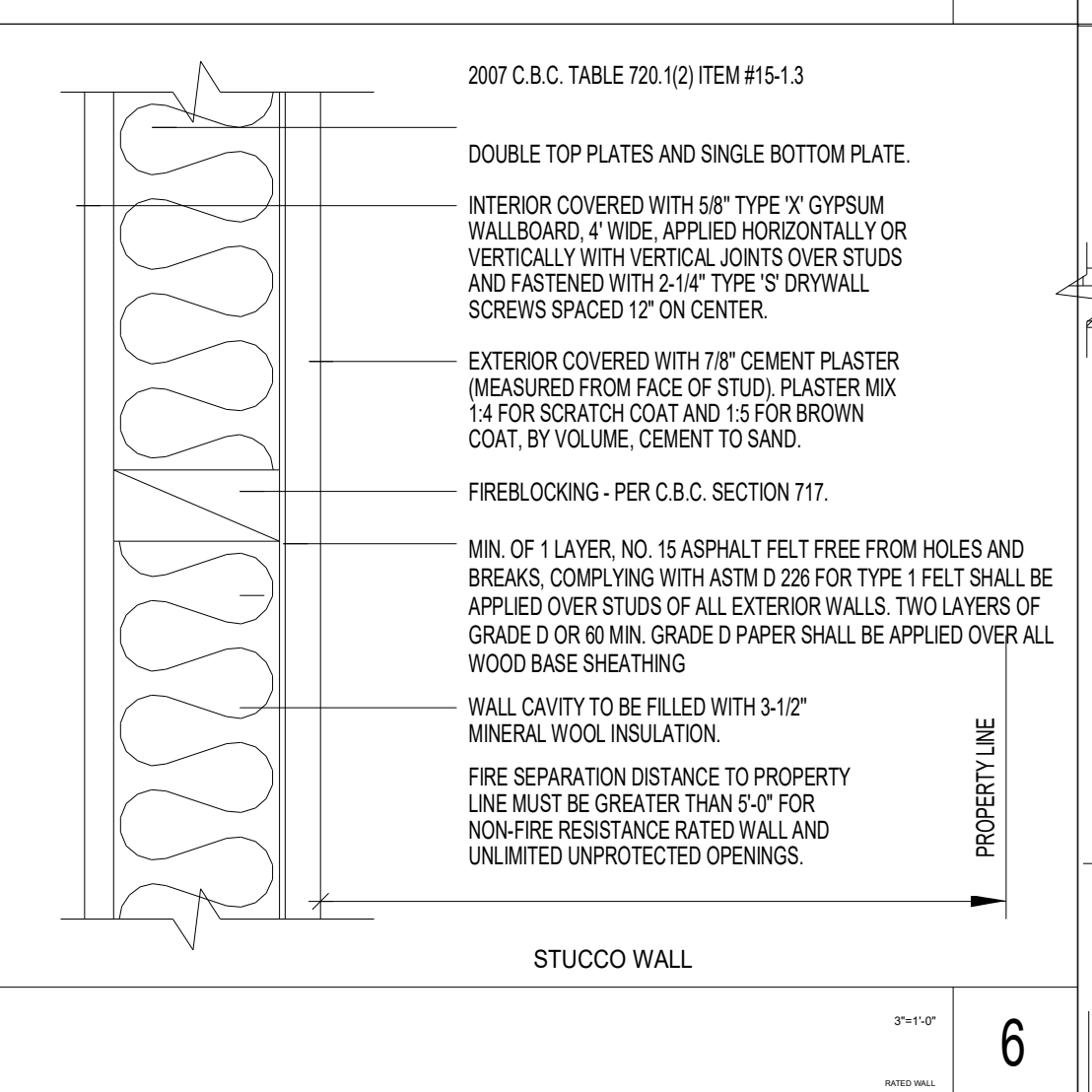
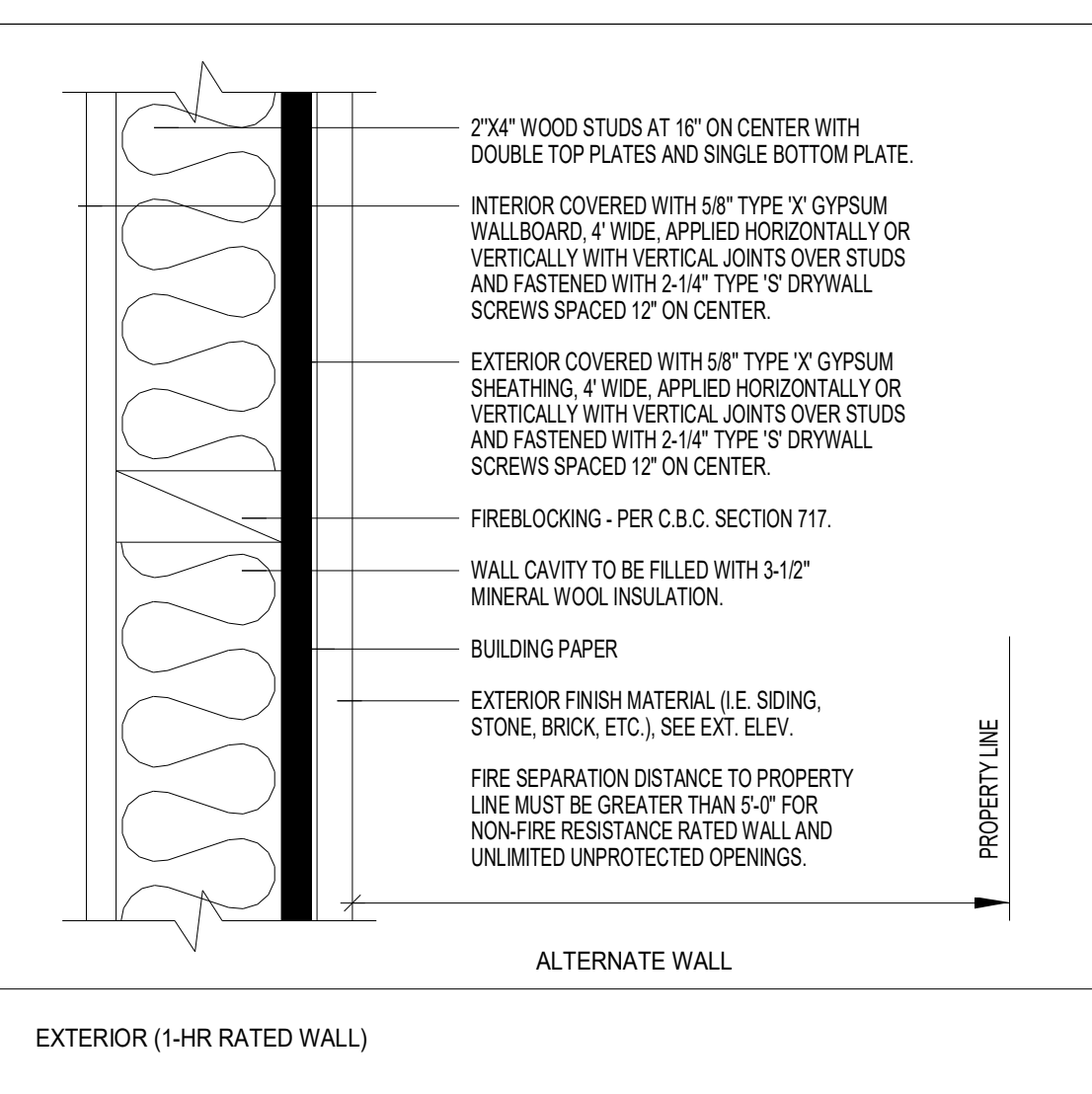
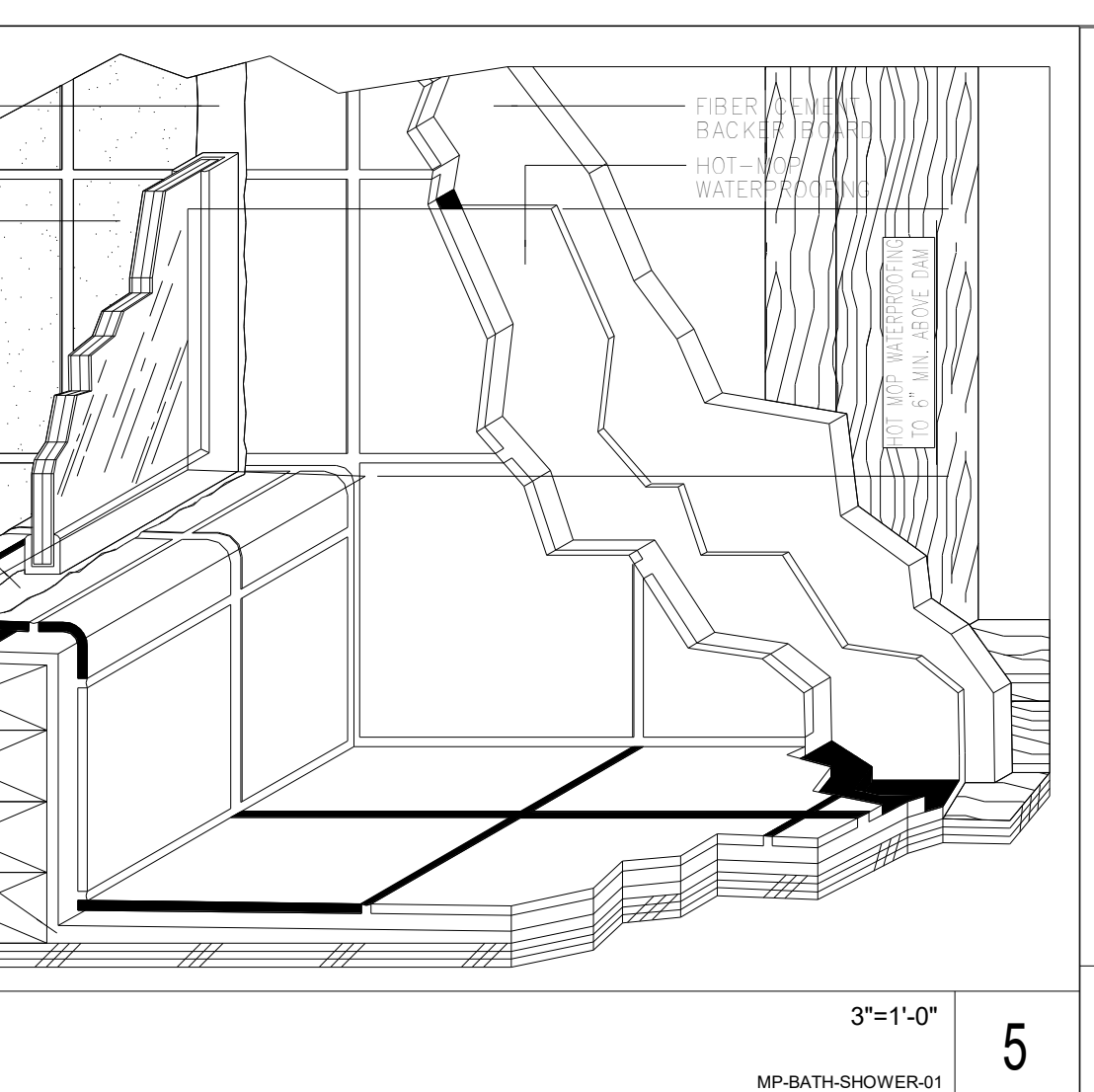
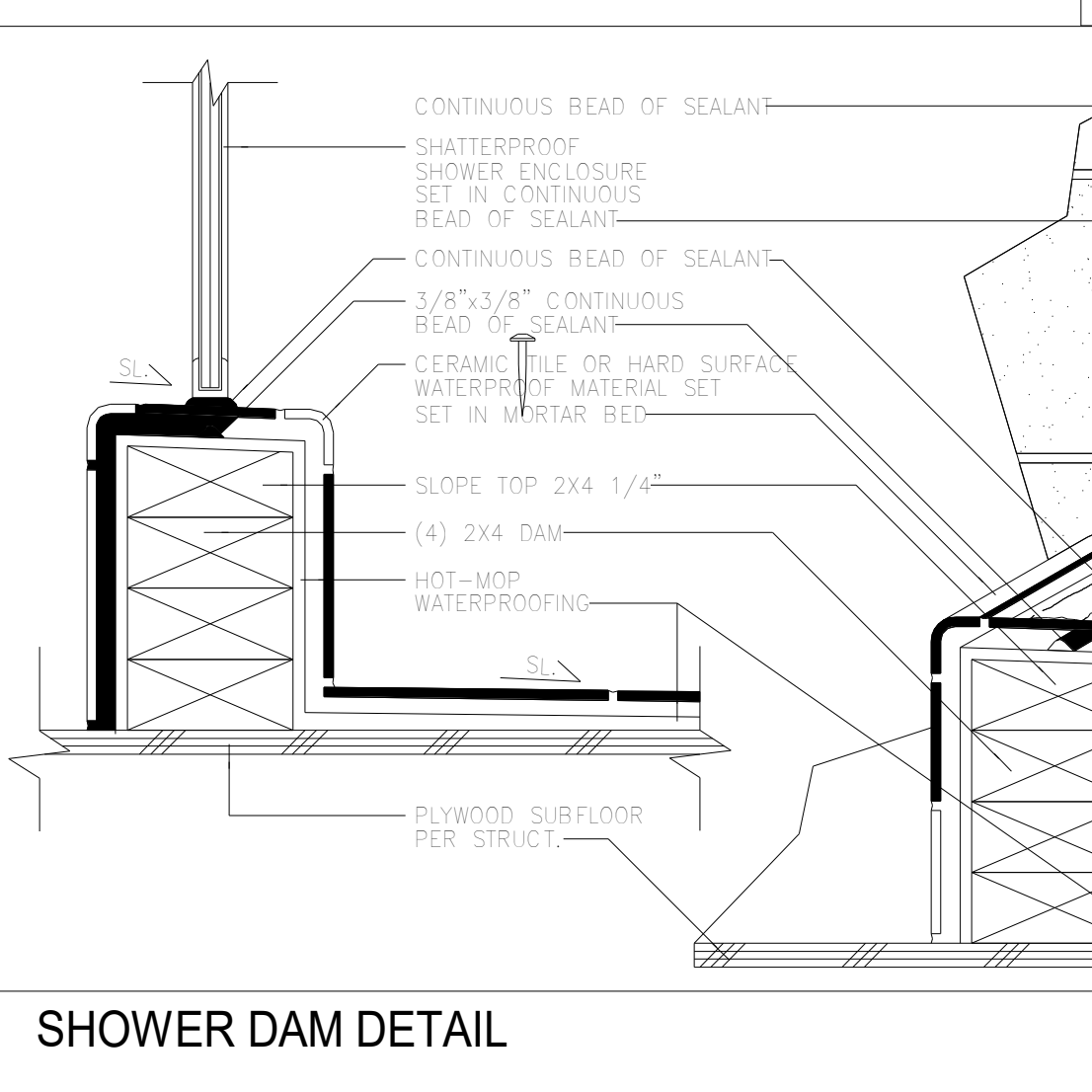
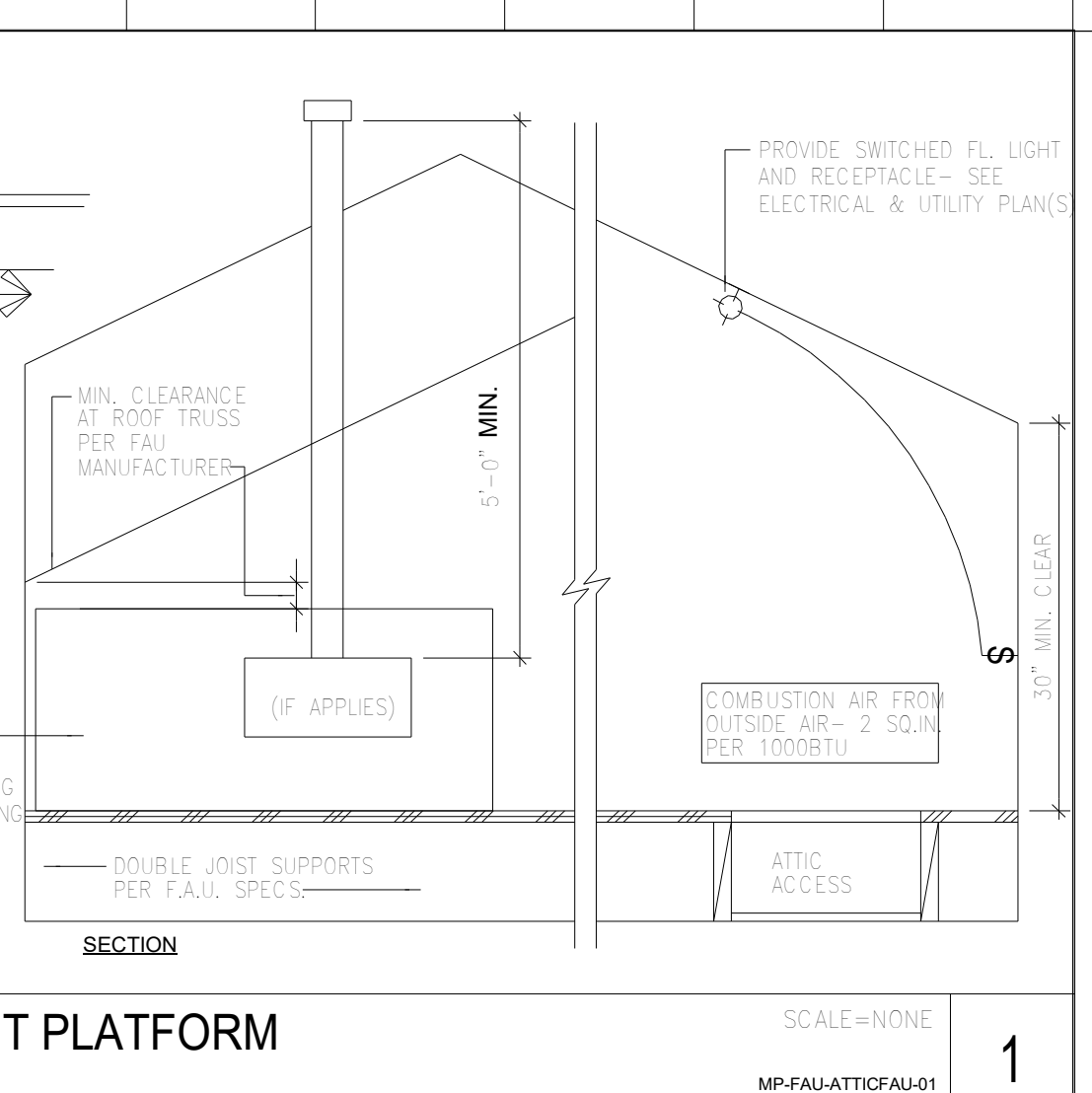
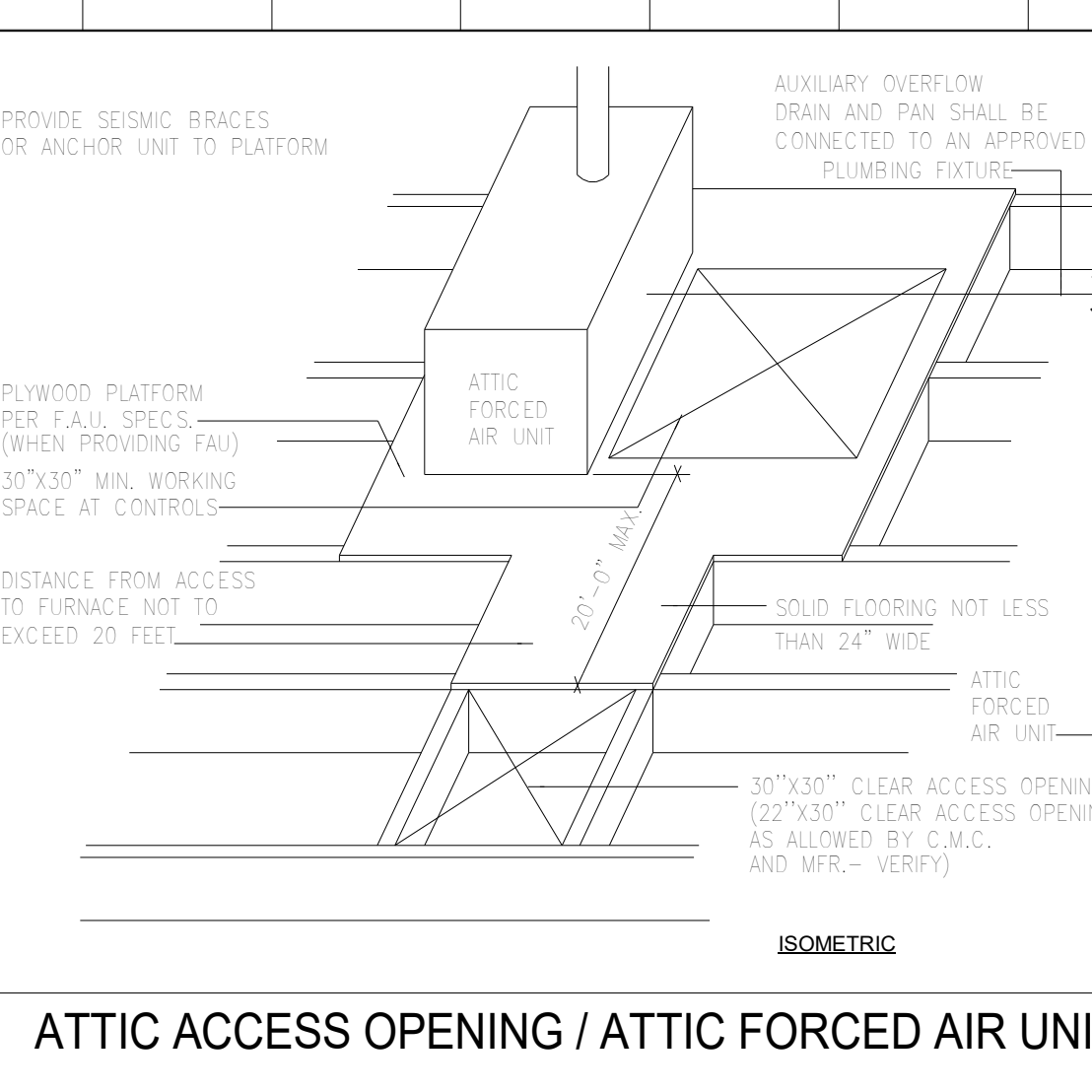
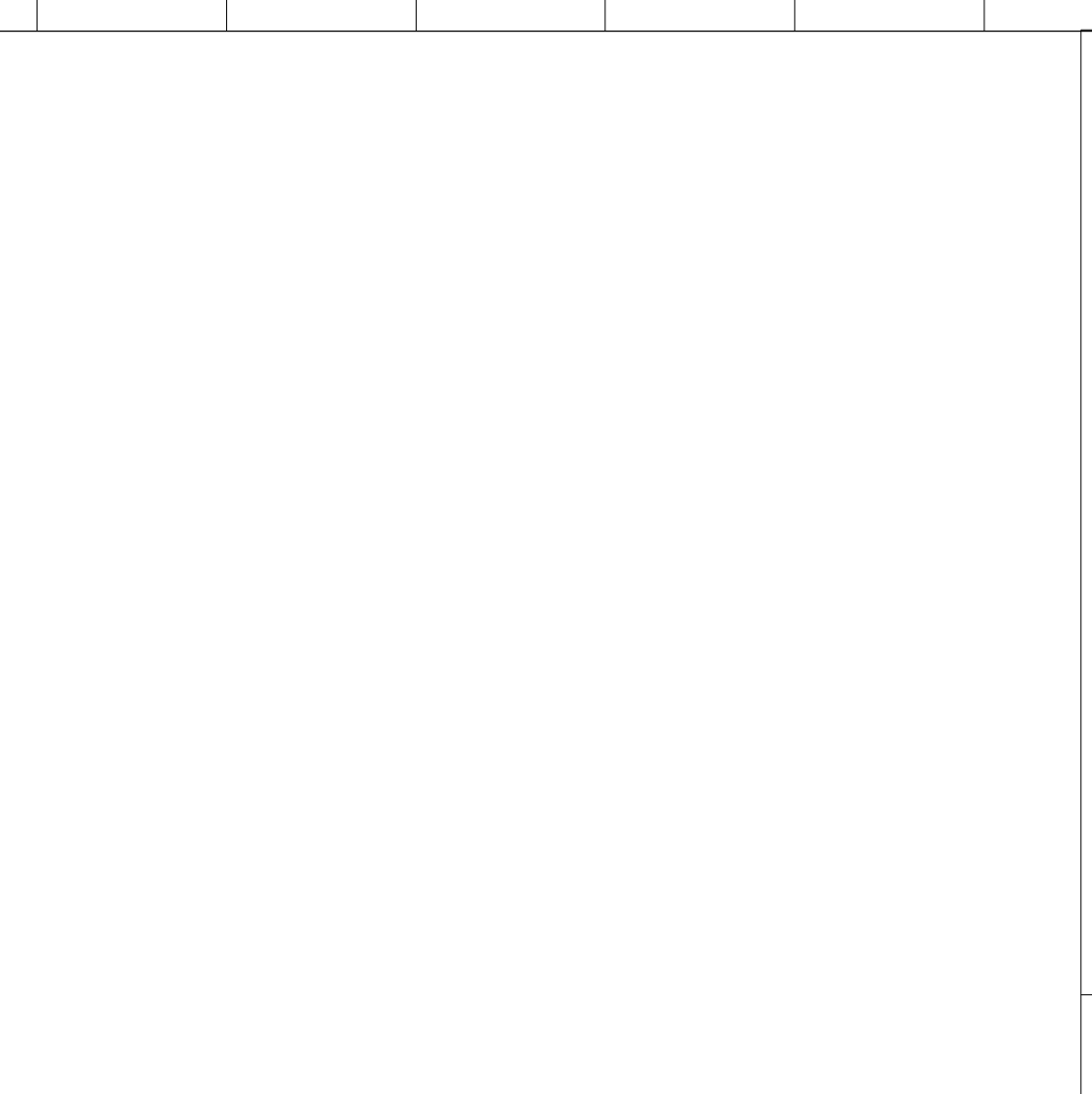
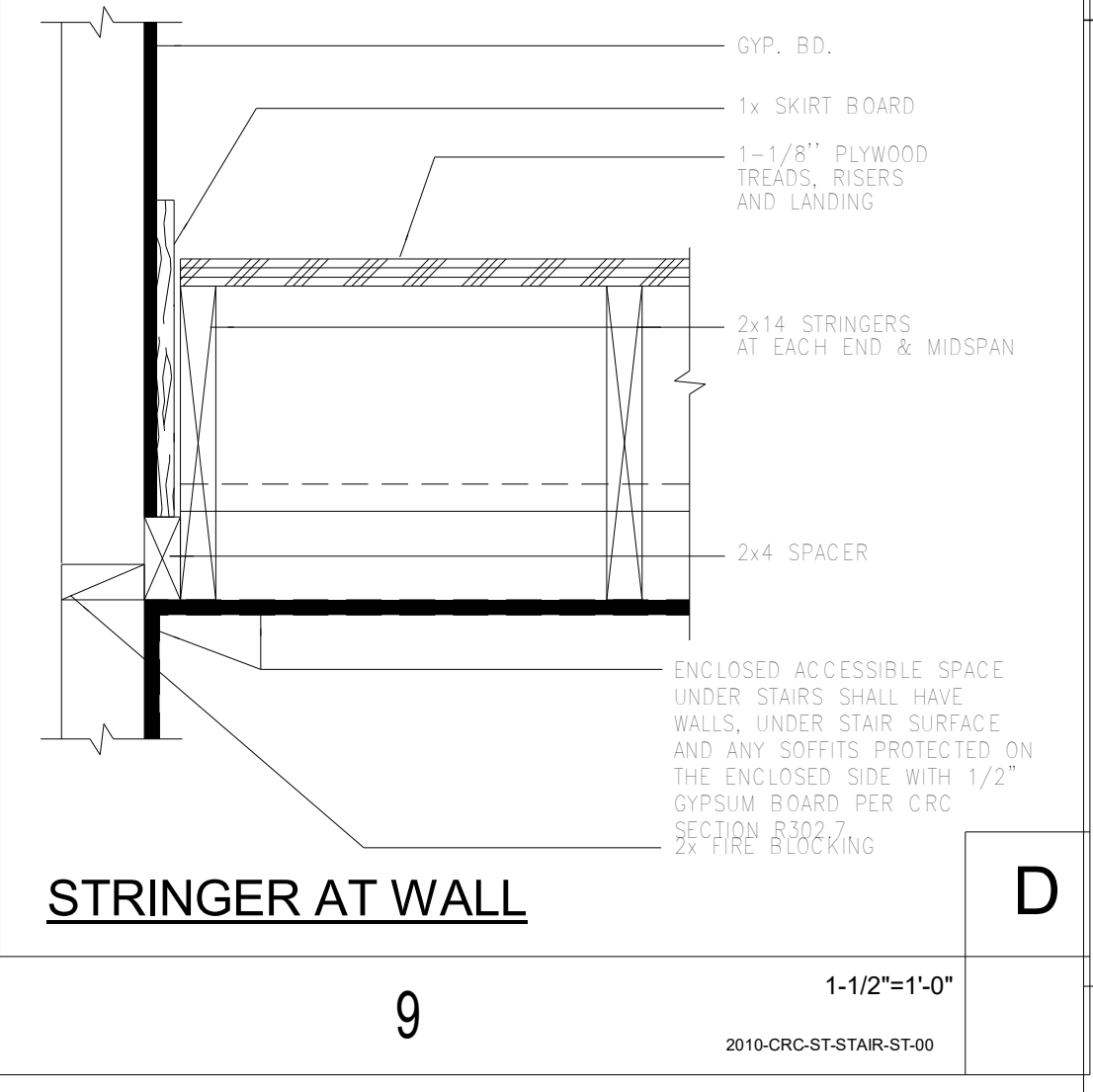
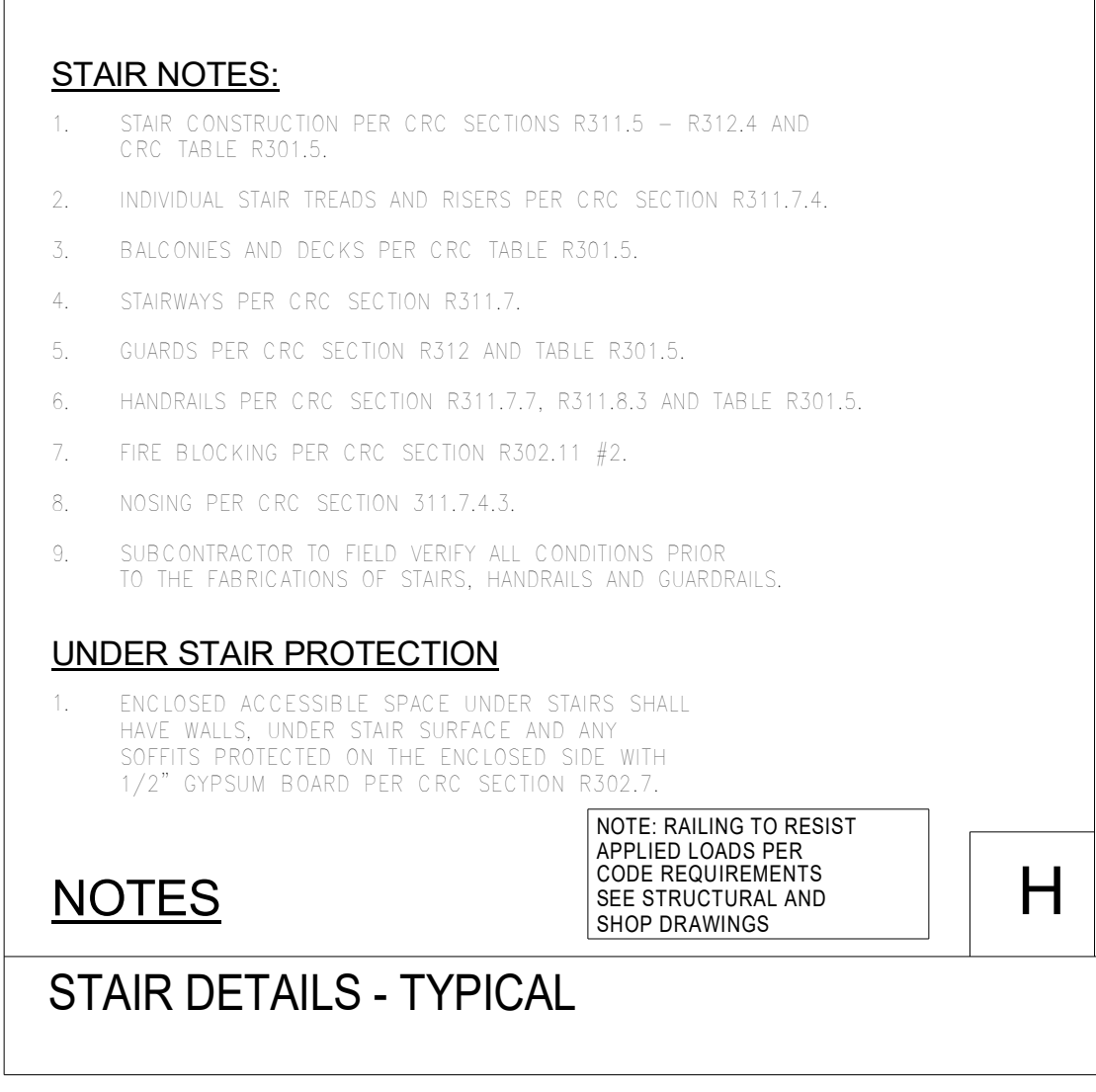
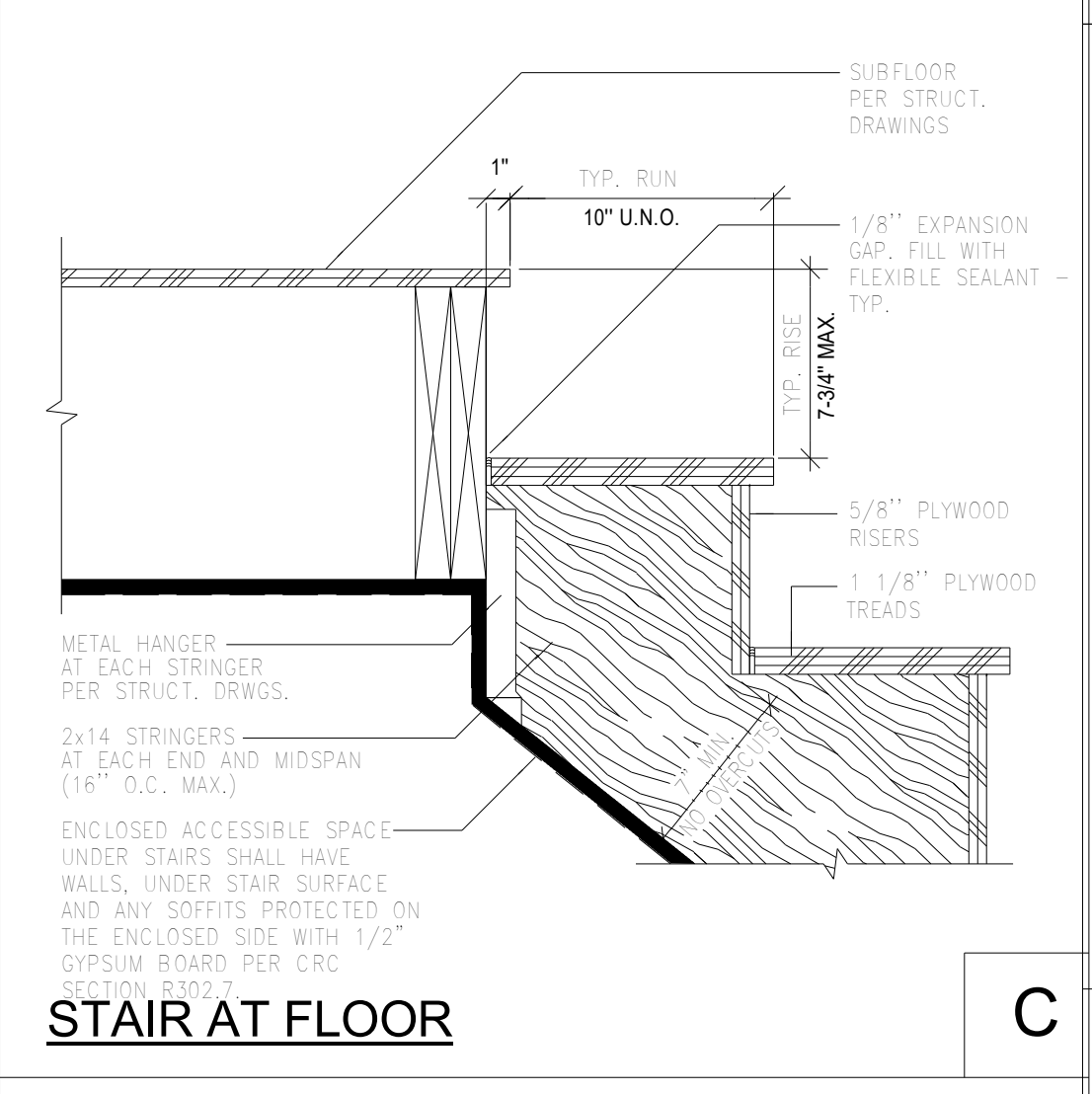
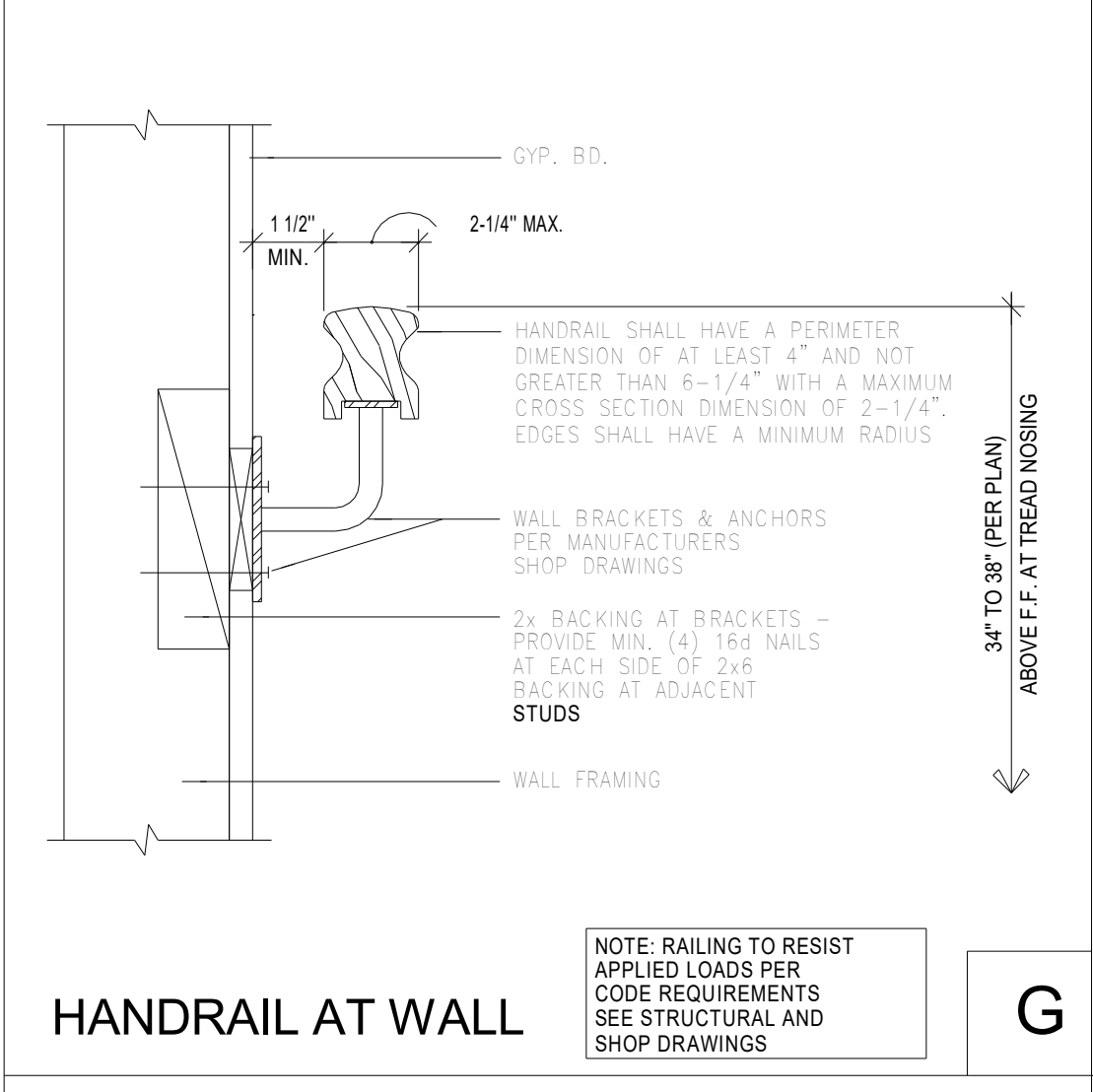
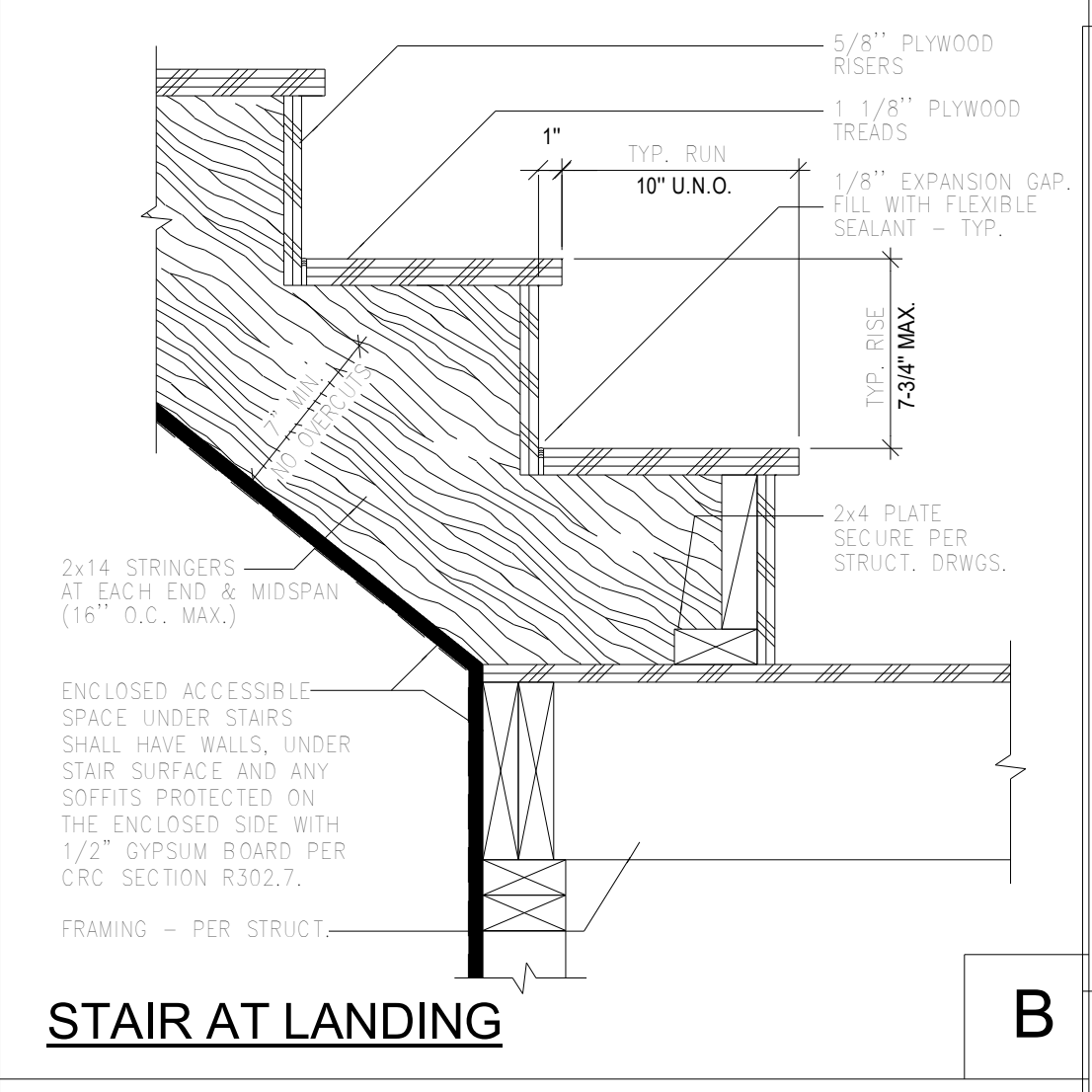
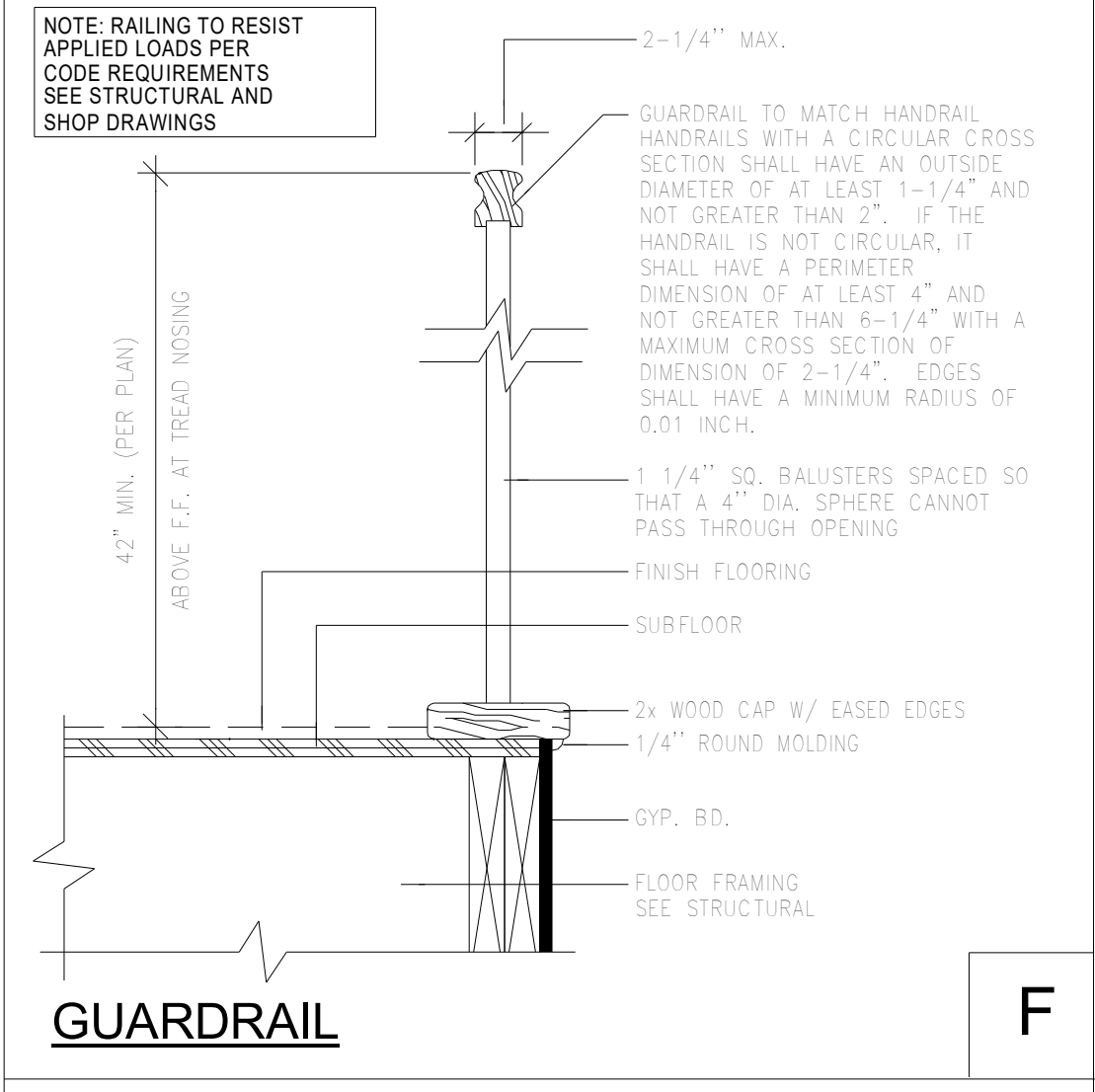
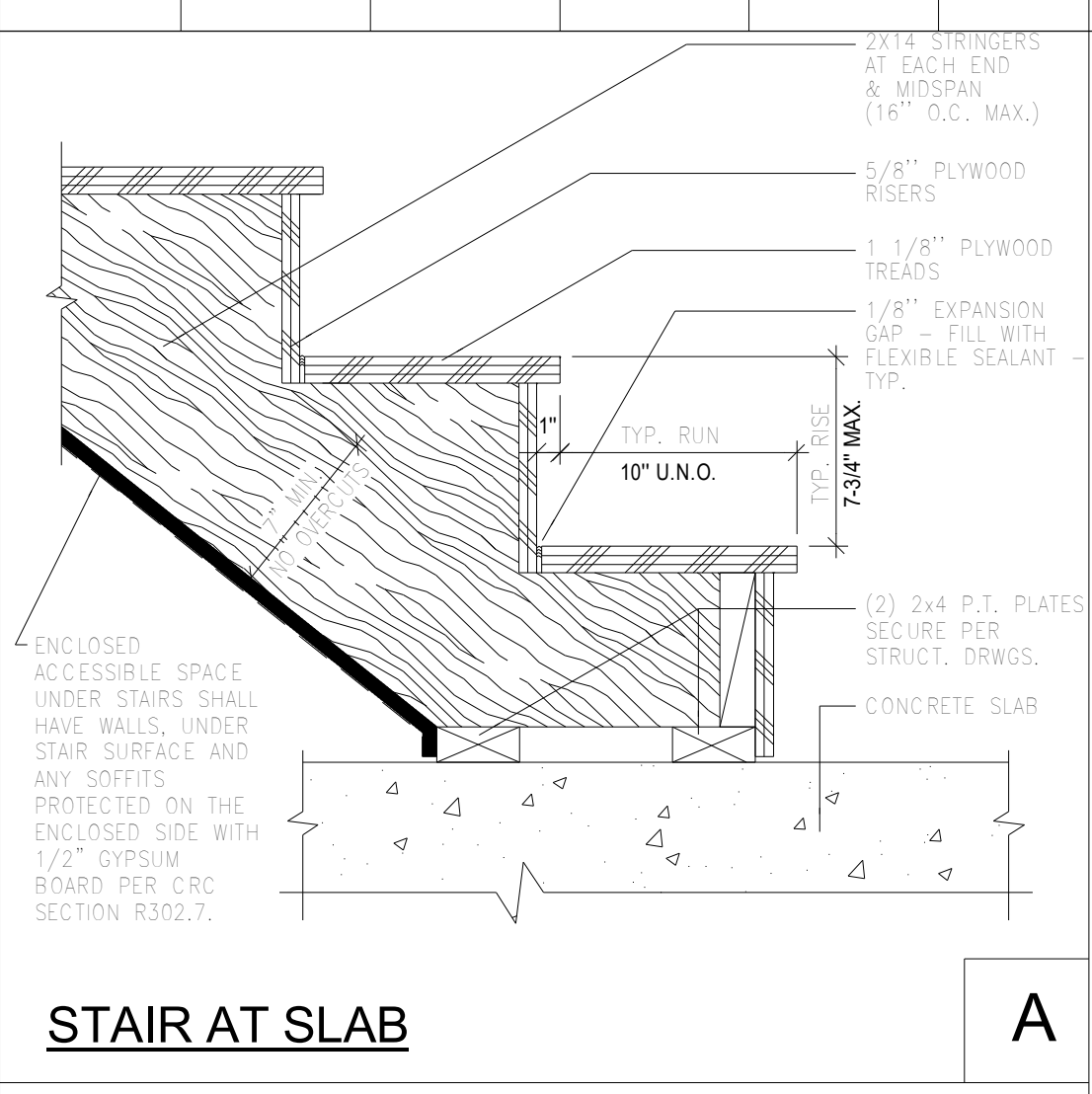
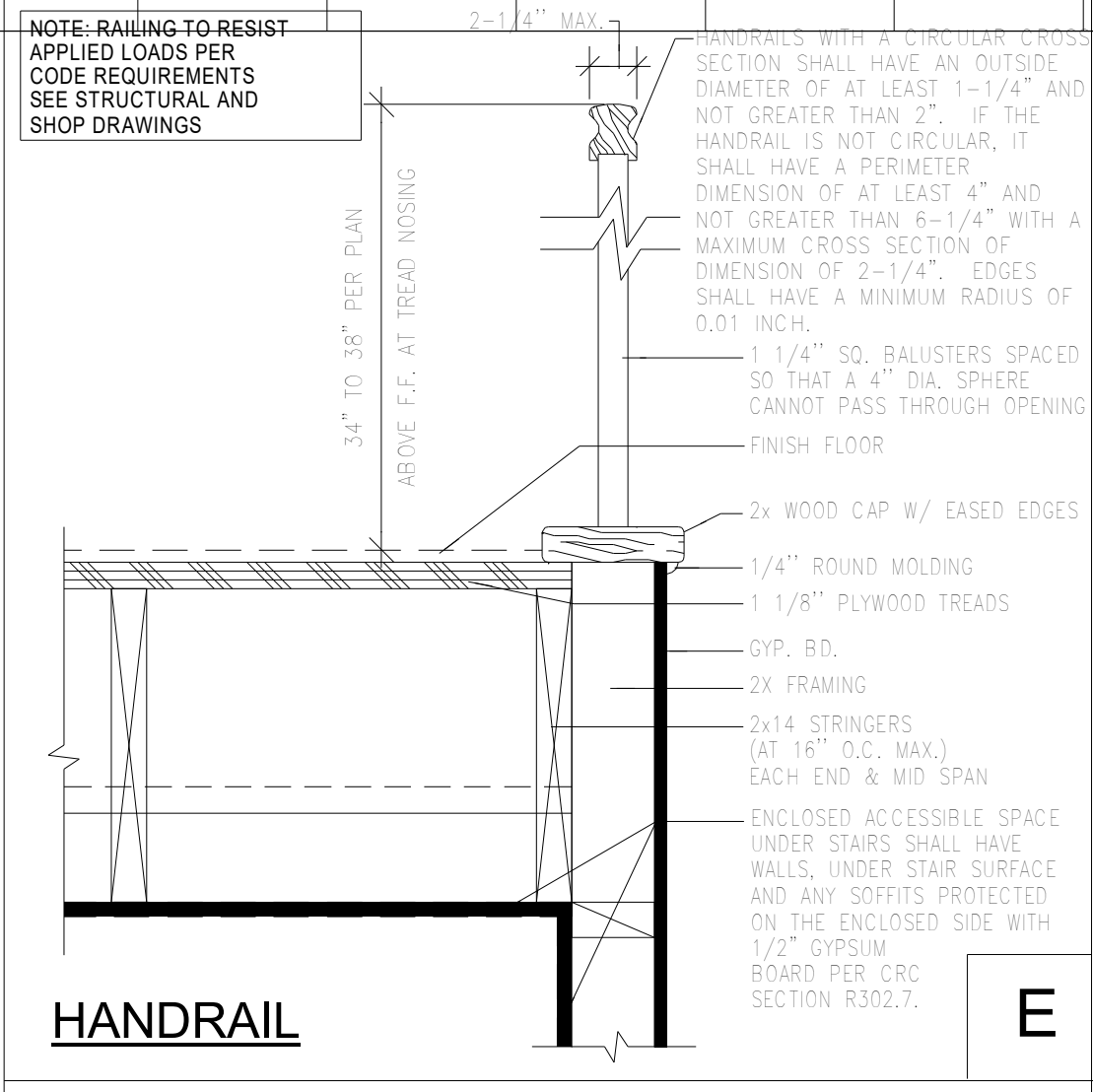
Date 14/06/2021 10:00:52 PM

Drawn by RM

Checked by ES

**A7**

Scale 1/2" = 1'-0"



PREPARED BY:

**EVERETT SMITH DESIGNS**  
RIVERSIDE COUNTY, CA  
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Email: everett@everettsmitedesigns.com

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PROJECT:

**PROPOSED (1) STORY RESIDENCE**

No.	Description	Date

PROJECT ADDRESS:  
**0 McAllister**  
Riverside, Ca

CLIENT NAME:  
**DALE & TRISH**

Architectural Details

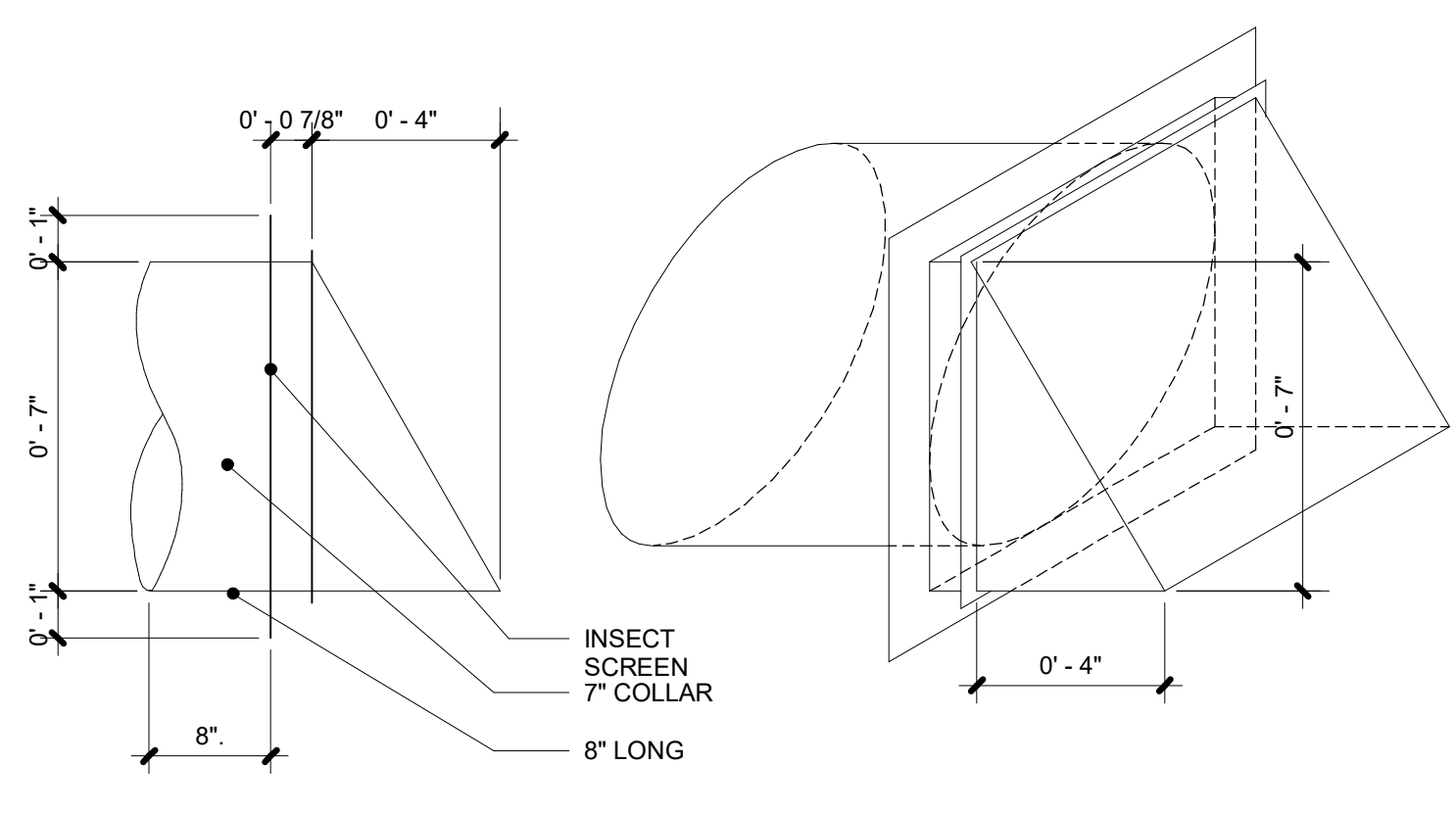
Project number: 21-2083  
Date: 14/06/2021 10:00:54 PM  
Drawn by: Author  
Checked by: Checker

**AD.1**

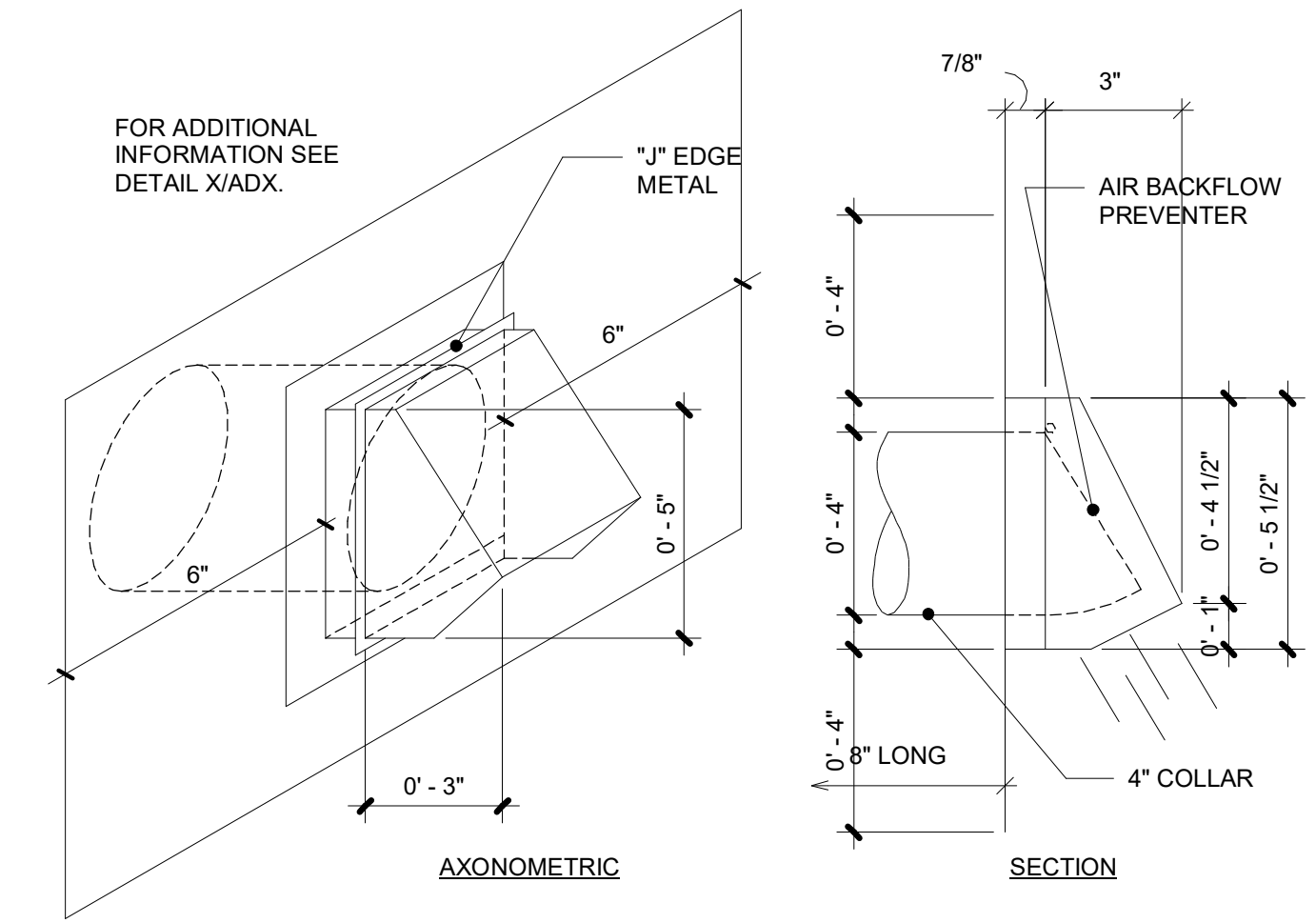
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14/06/2021 10:00:54 PM

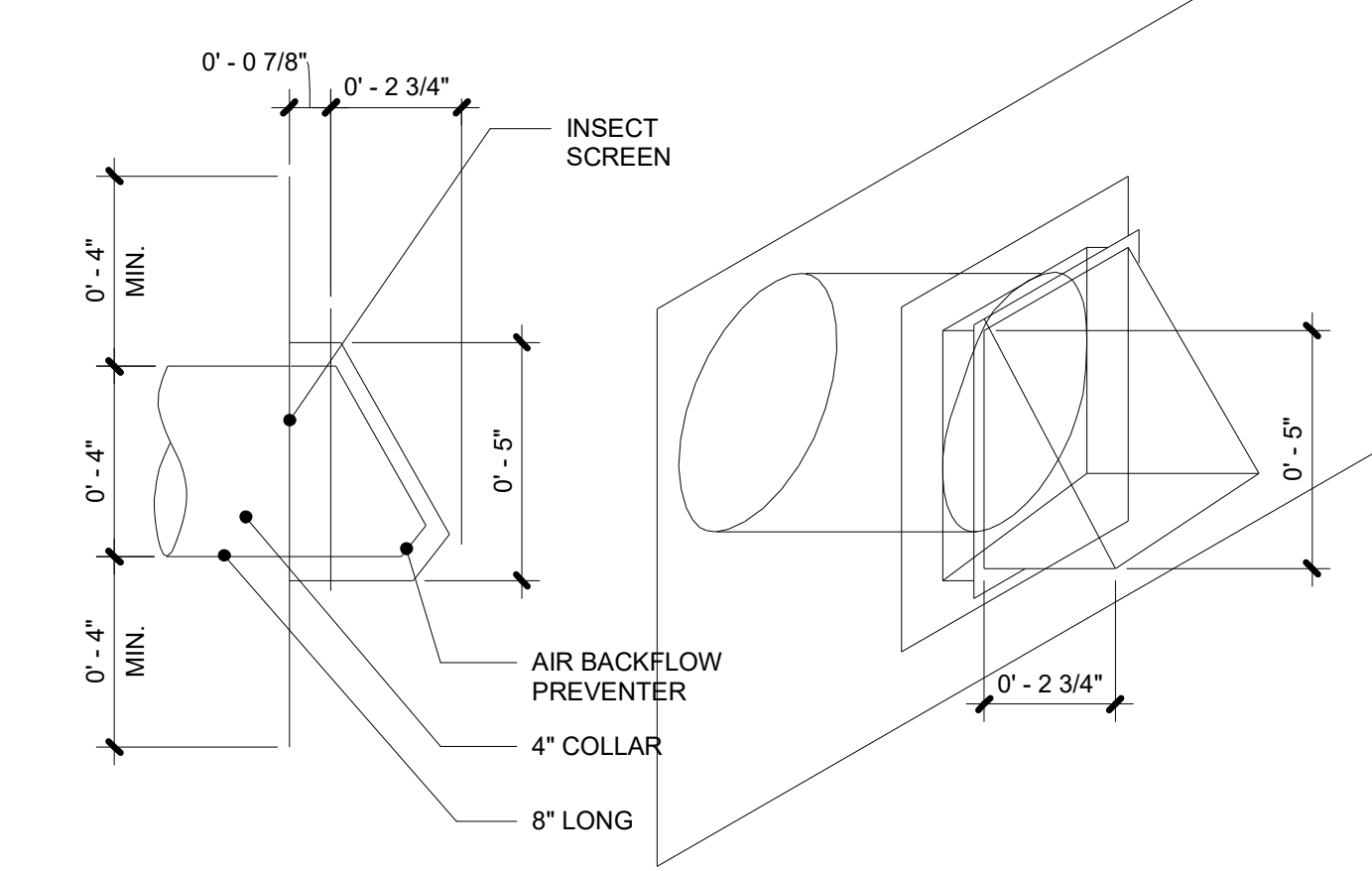




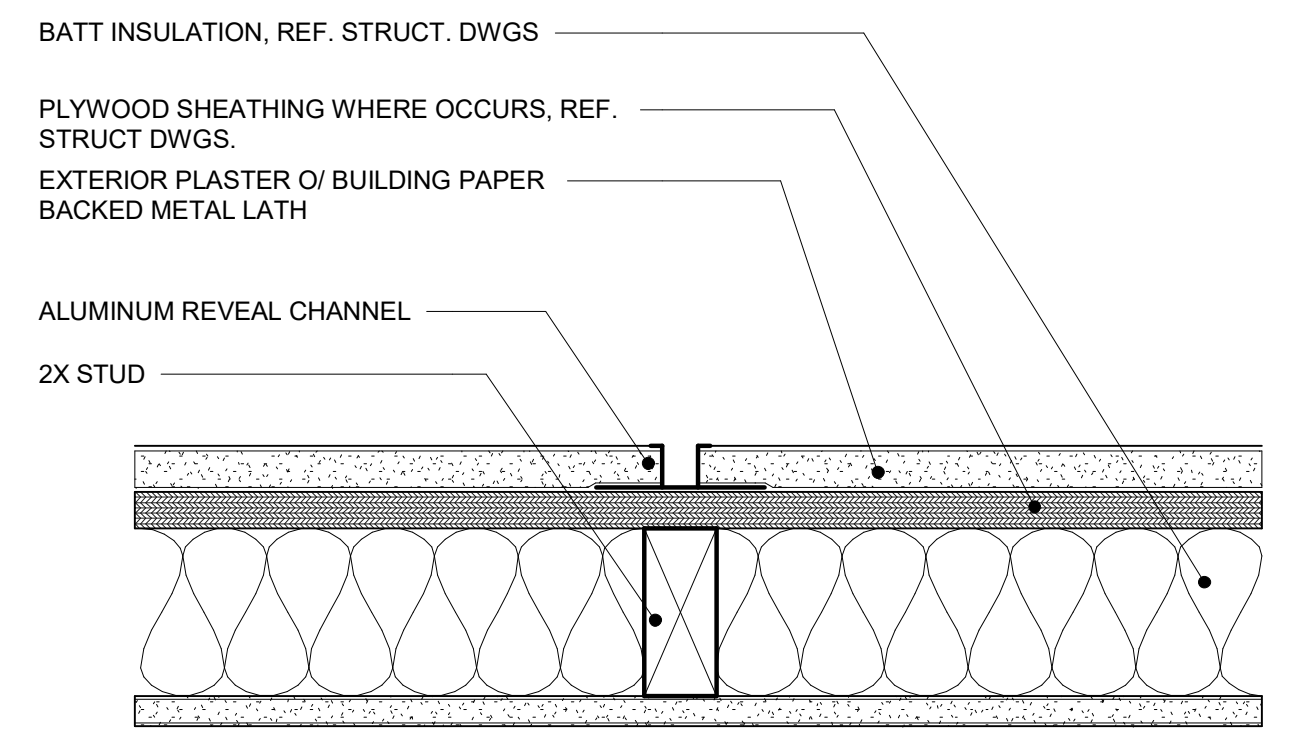
16 Kitchen 24 GA. Galv. Stl Vent  
3" = 1'-0"



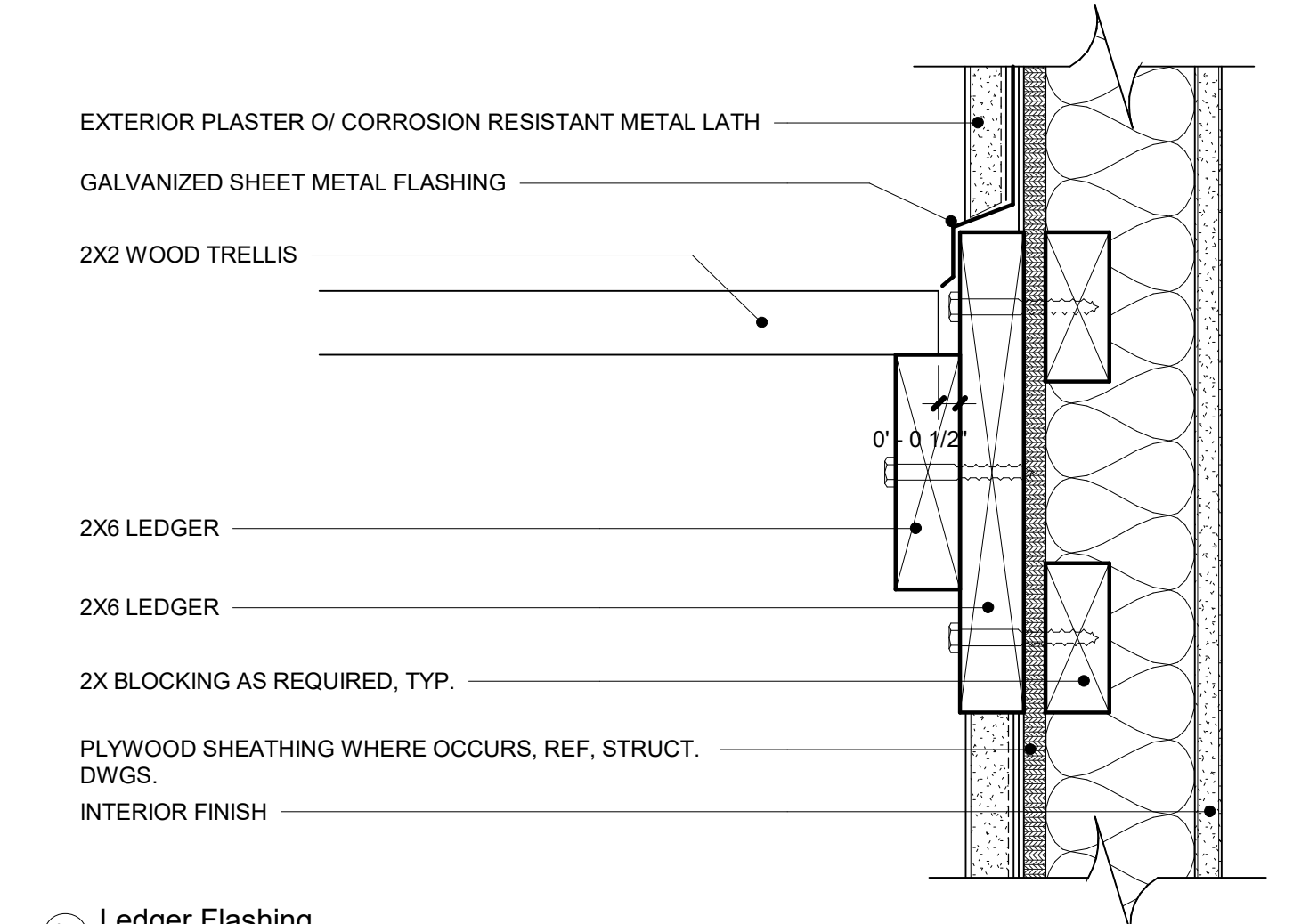
12 Dryer 24 GA Galv. Vent  
3" = 1'-0"



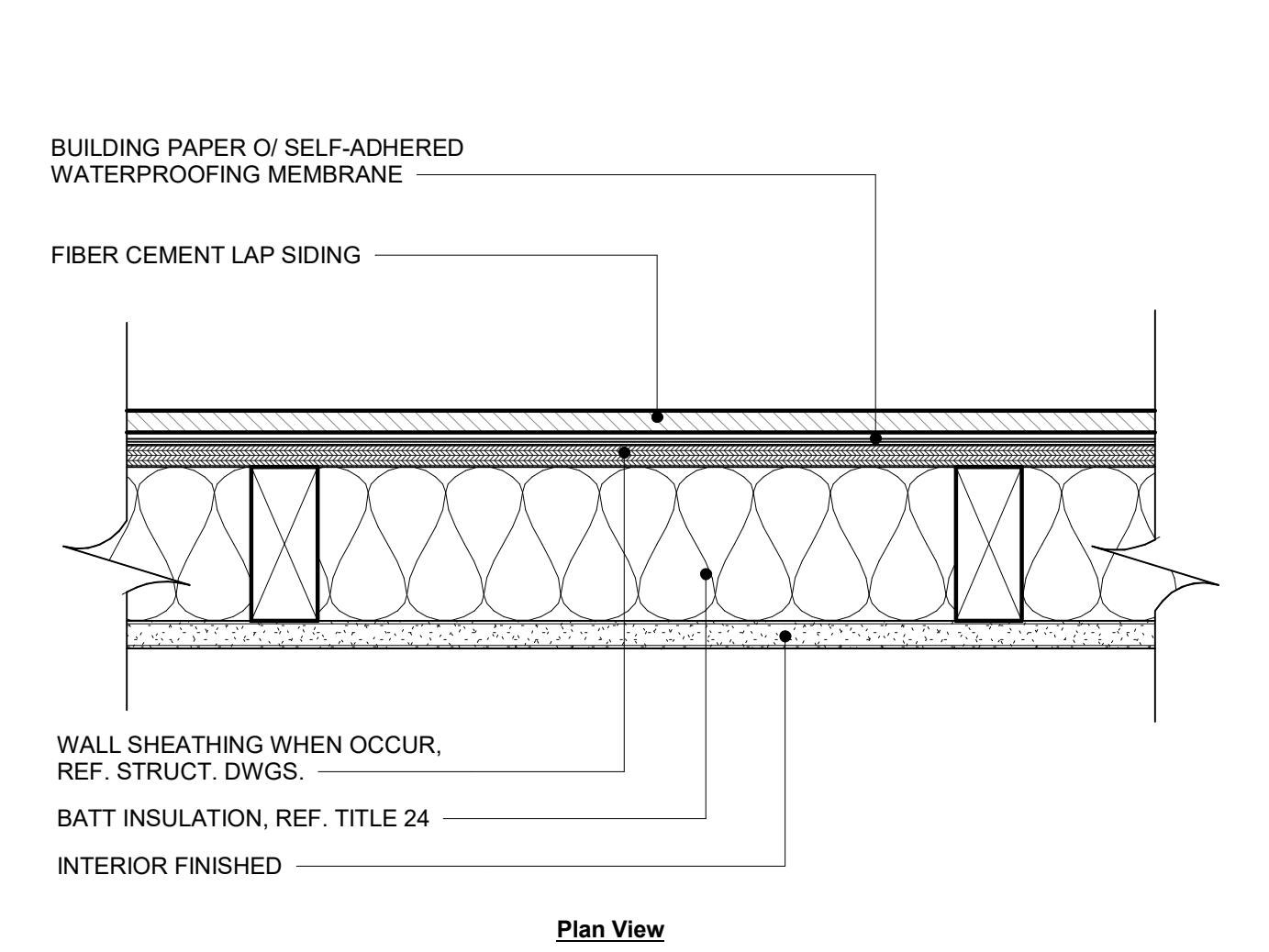
8 Bath 24 GA. Galv. Stl. Vent  
3" = 1'-0"



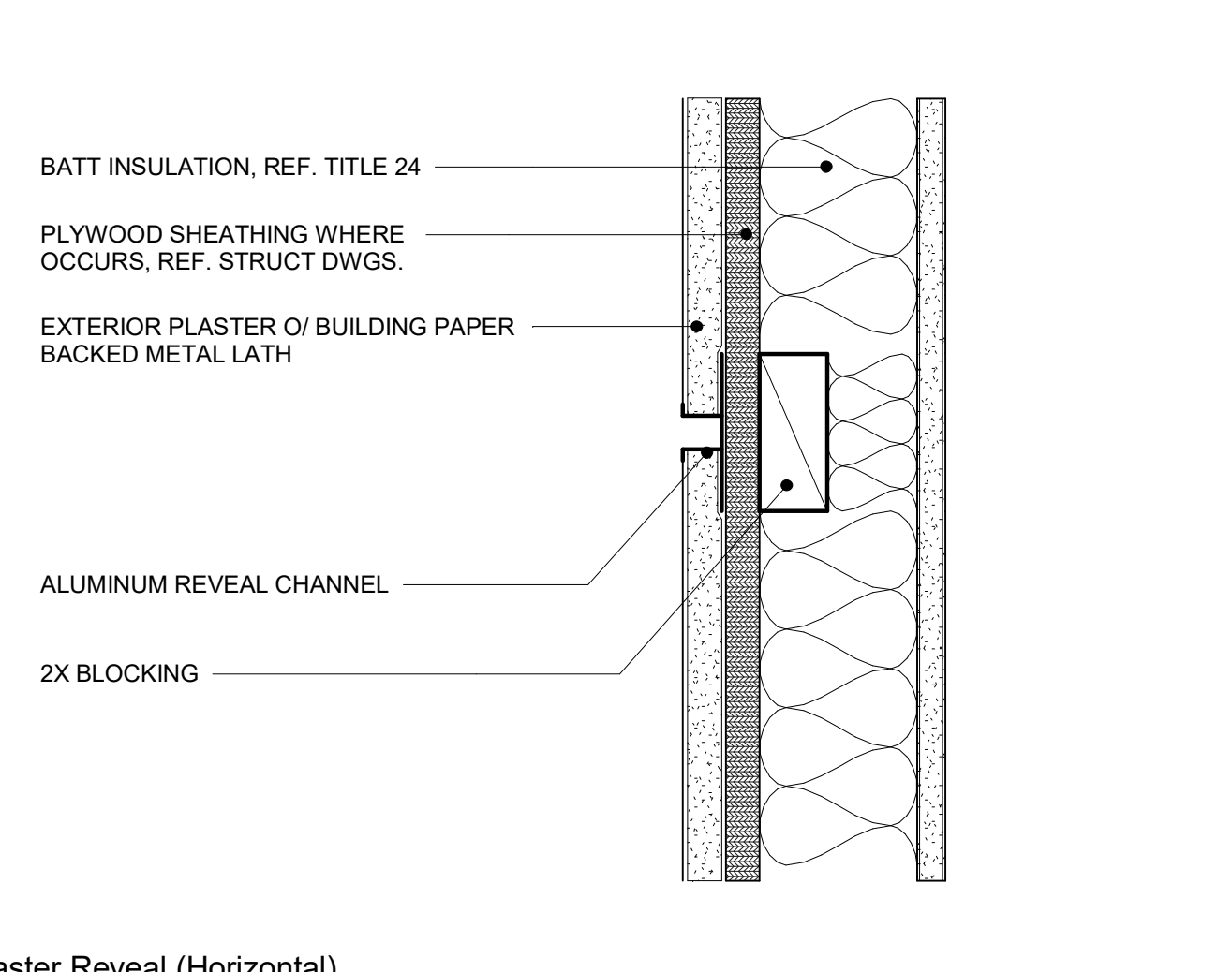
4 Plaster Reveal (Vertical)  
3" = 1'-0"



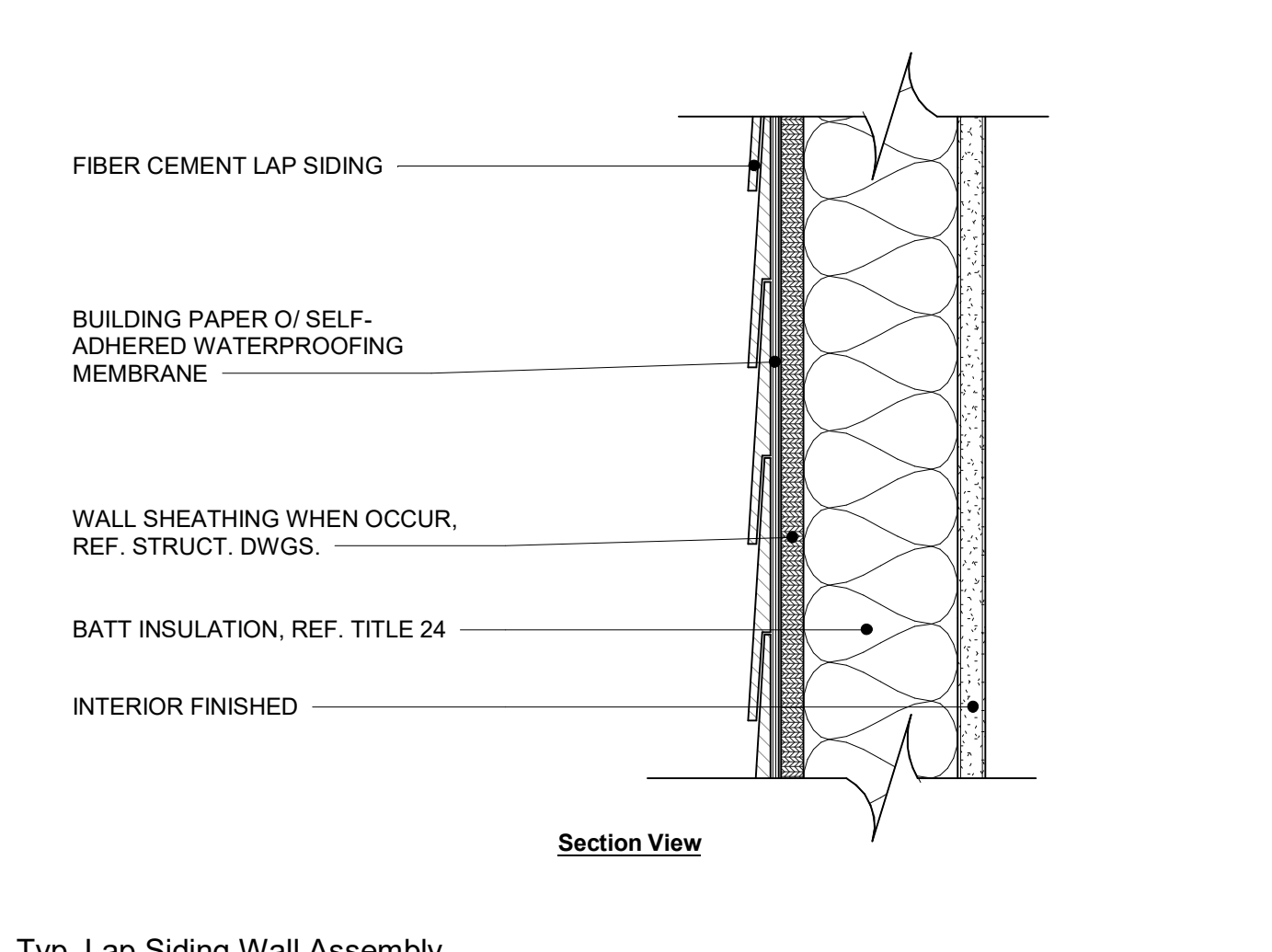
15 Ledger Flashing  
3" = 1'-0"



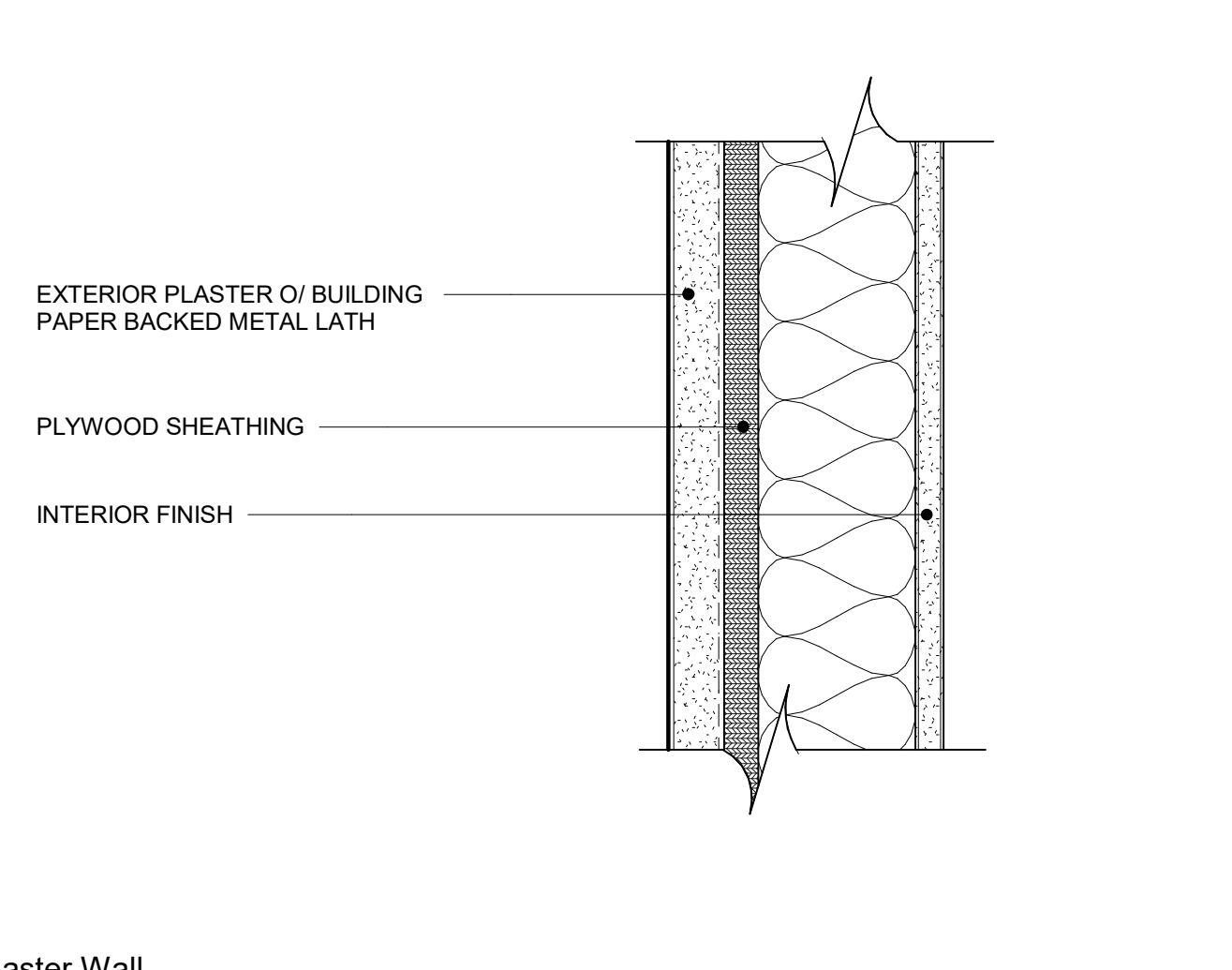
6 Typ. Lap Siding Wall Assembly  
3" = 1'-0"



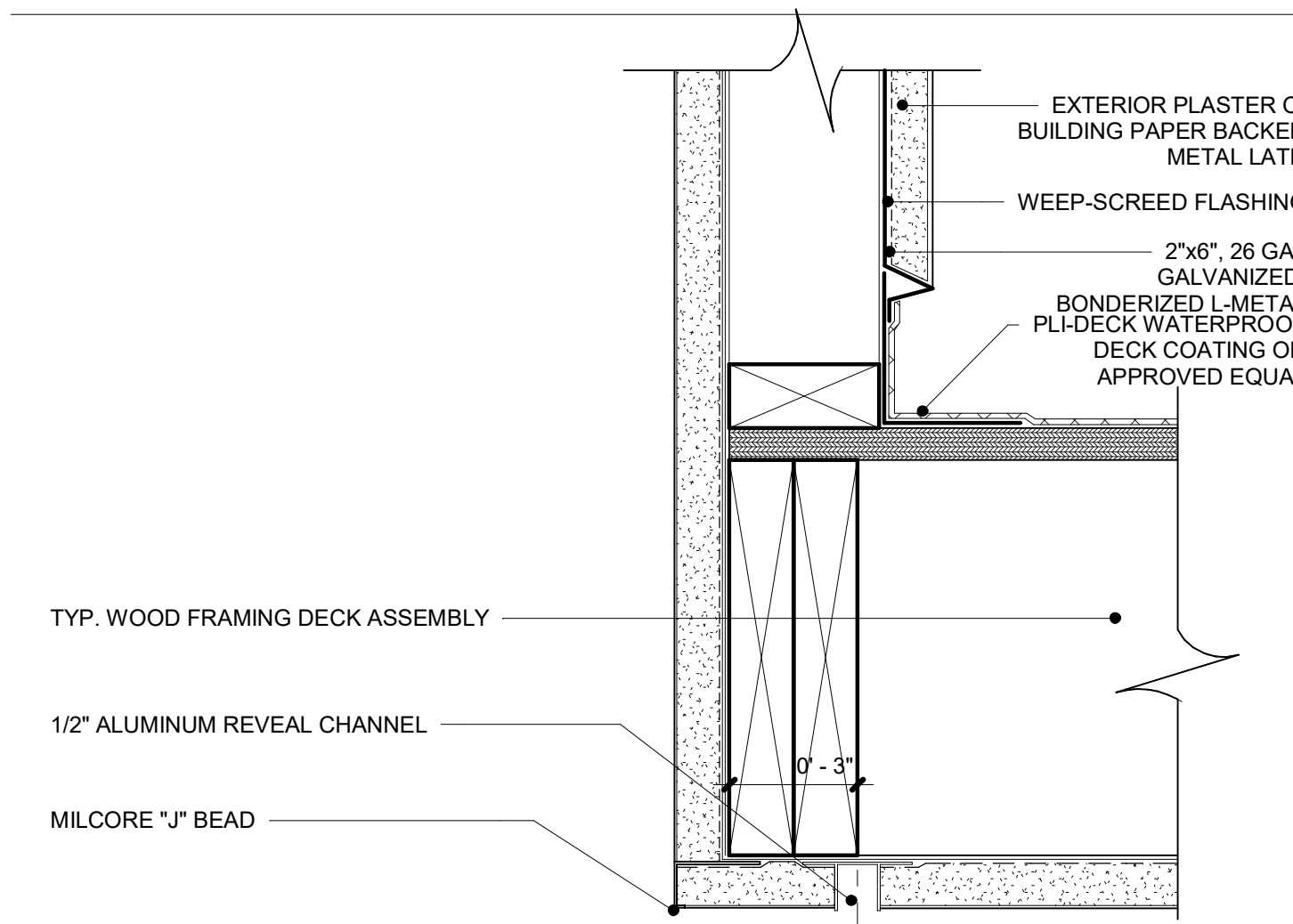
3 Plaster Reveal (Horizontal)  
3" = 1'-0"



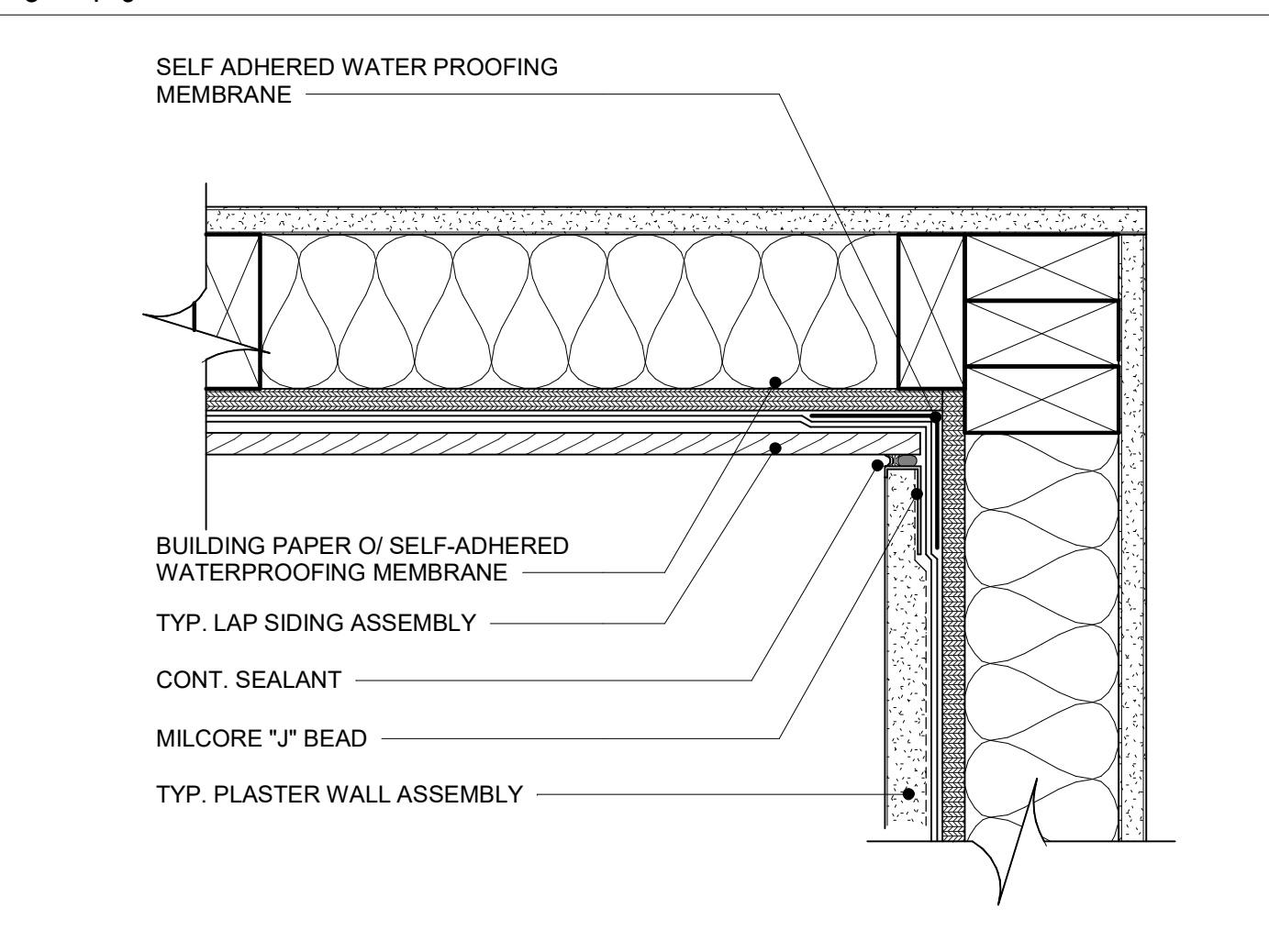
6 Typ. Lap Siding Wall Assembly  
3" = 1'-0"



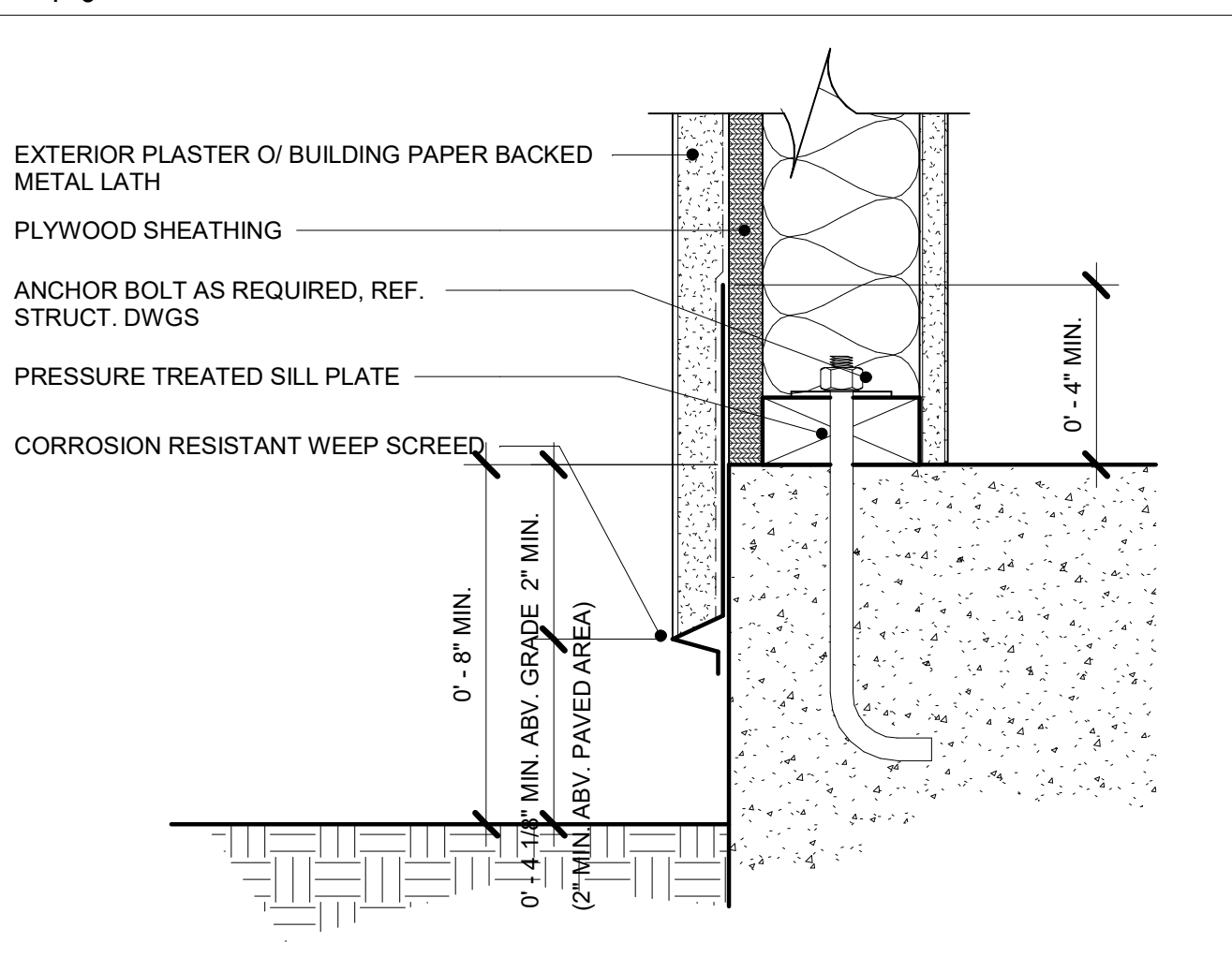
2 Plaster Wall  
3" = 1'-0"



13 Bottom of Deck & Soffit Termination  
3" = 1'-0"



5 Plaster to Lap Siding (Int. Corner)  
3" = 1'-0"



1 Plaster Wall @ Base  
3" = 1'-0"

PREPARED BY:

PROJECT:

**PROPOSED (1) STORY RESIDENCE**

REVISIONS:

No.	Description	Date

PROJECT ADDRESS:

**0 McAllister  
Riverside, Ca**

CLIENT NAME:

**DALE & TRISH**

Wall Details

Project number: 21-2083  
Date: 14/06/2021 10:00:56 PM  
Drawn by: Author  
Checked by: Checker

**AD.3**

Scale: 3" = 1'-0"

14/06/2021 10:00:56 PM

PREPARED BY:



**EVERETT SMITH  
DESIGNS**

RIVERSIDE COUNTY, CA  
TEL: 951-323-2187

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Email: everett@everettsmithdesigns.com

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PROJECT:

**PROPOSED (1) STORY RESIDENCE**

REVISIONS:

No.	Description	Date

PROJECT ADDRESS:

0 McAllister  
Riverside, Ca

CLIENT NAME:

DALE & TRISH

Windows Details

Project number 21-2083

Date 14/06/2021 10:00:56 PM

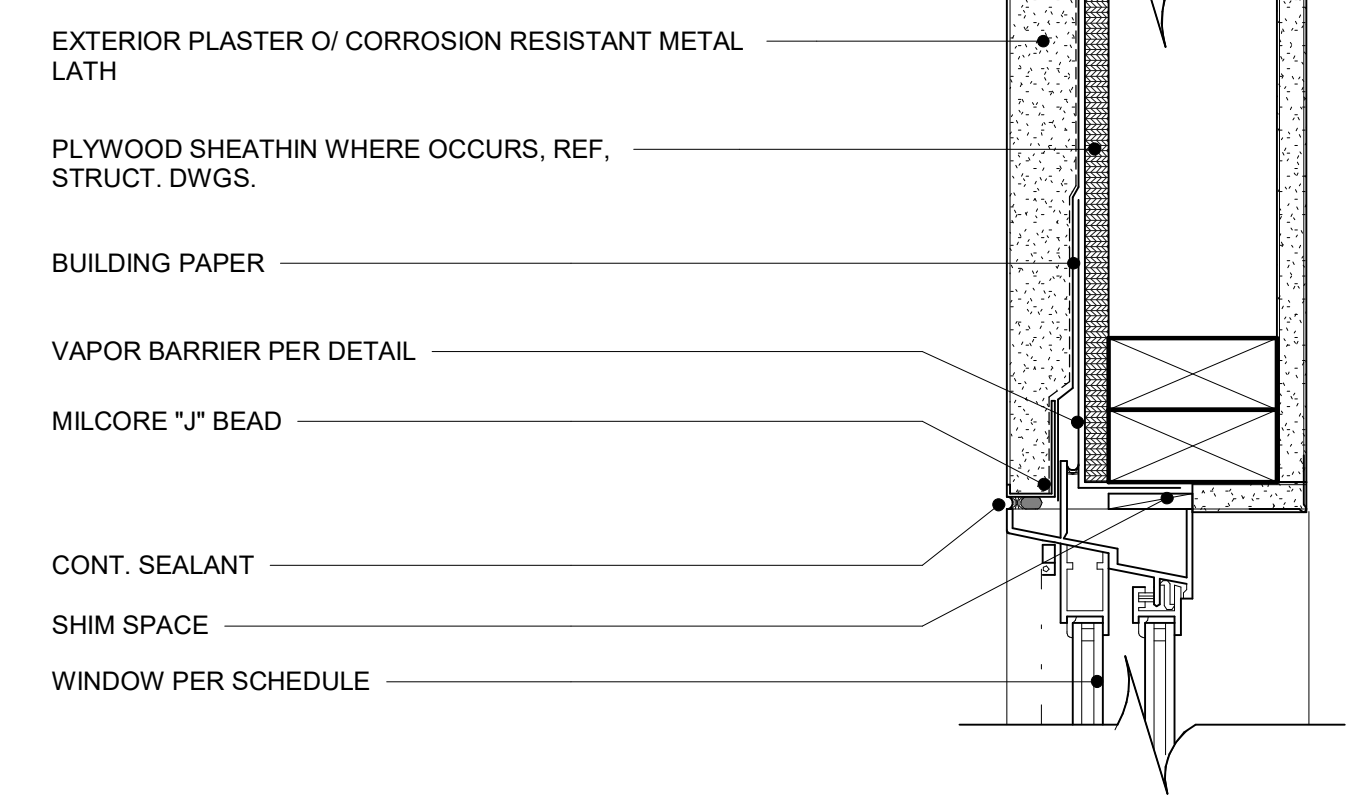
Drawn by Author

Checked by Checker

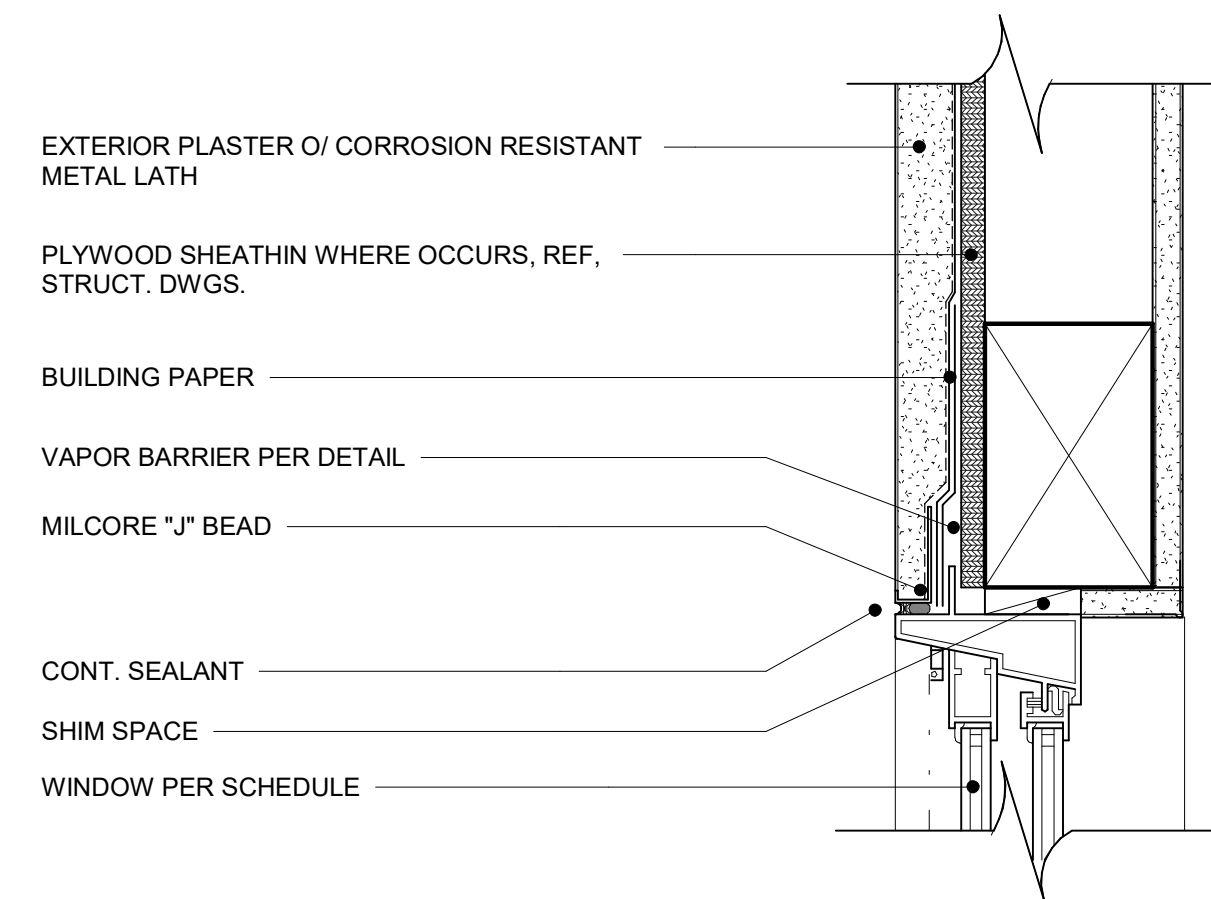
**AD.30**

Scale As indicated

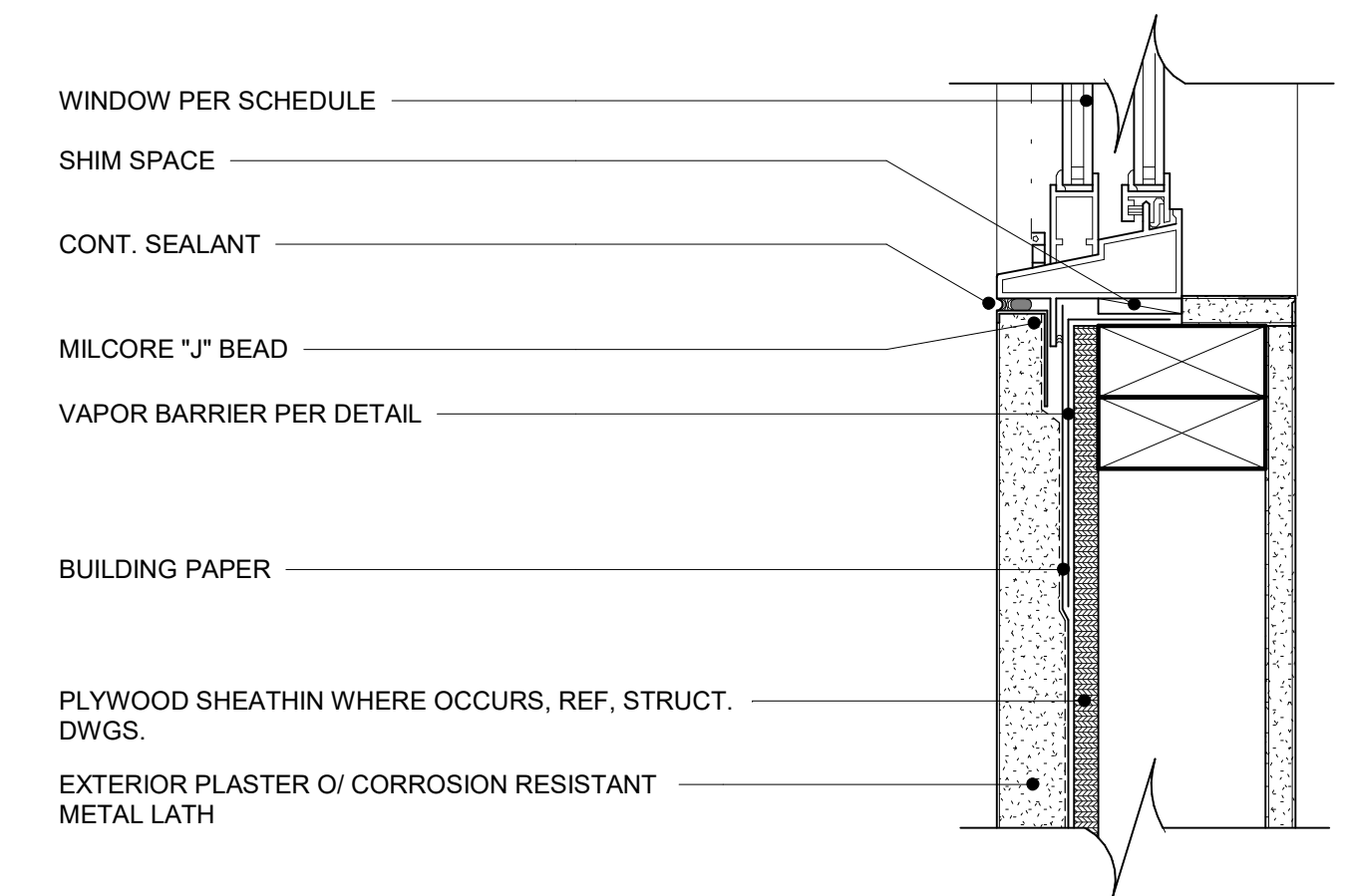
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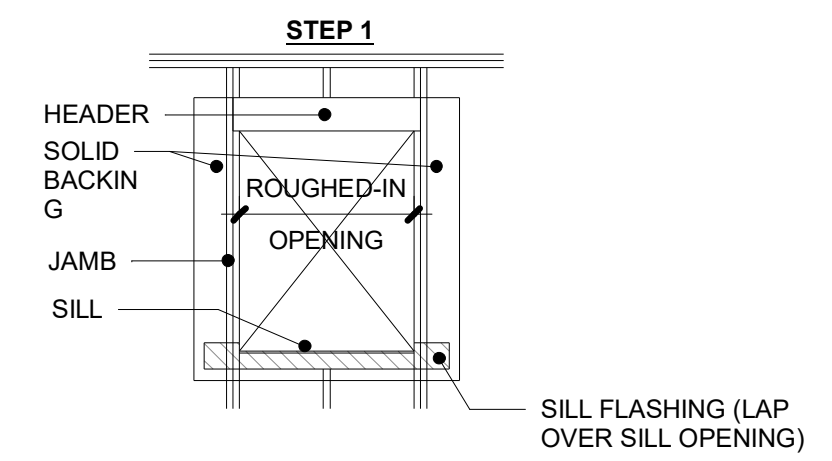
④ Window Jamb @ Plaster Wall  
3" = 1'-0"



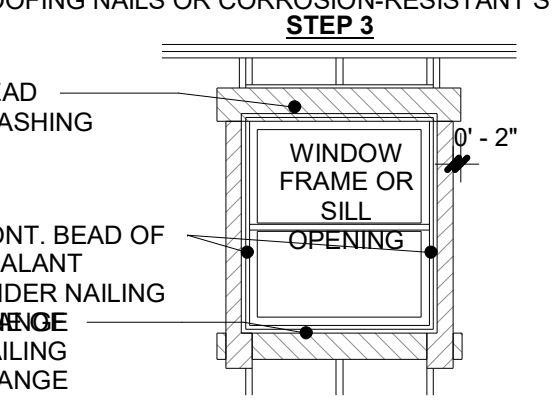
⑦ Window Header @ Plaster Wall  
3" = 1'-0"



③ Window Sill @ Plaster Wall  
3" = 1'-0"



- PROVIDE SOLID BACKING AT ALL AREAS WHERE SELF-ADHERED WATERPROOF MEMBRANE LAPPING WILL OCCUR
- ATTACH SILL STRIP OF 12" WIDE SELF-ADHERED WATERPROOF MEMBRANE MATERIAL (LAP SILL STRIP OVER ROUGH SILL OPENING)
- EXTEND THIS STRIP AT LEAST 14" BEYOND THE EDGE OF THE ROUGH OPENING
- ATTACH SELF-ADHERED WATERPROOF MEMBRANE WITH GALVANIZED ROOFING NAILS OR CORROSION-RESISTANT STAPLES



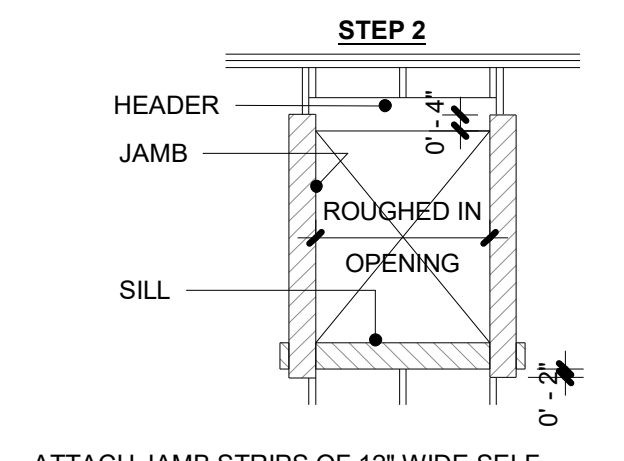
- APPLY A CONTINUOUS BEAD OF SEALANT TO THE BACK OF THE FRAME NAILING FLANGE
- PLACE AND SECURE FRAME INTO ROUGH OPENING WITH FLANGES OVER THE INSTALLED JAMB AND SILL COMPOSITE FLEXIBLE FLASHING MATERIAL
- APPLY A CONTINUOUS BEAD OF SEALANT TO THE FRONT FACE OF THE HEAD NAILING FLANGE
- ATTACH 12" WIDE STRIP OF COMPOSITE FLEXIBLE FLASHING MATERIAL OVER THE HEAD FLANGE - EXTEND THIS STRIP 2" BEYOND THE OUTER EDGE OF THE JAMB COMPOSITE FLEXIBLE FLASHING MATERIAL

1. OPENING THROUGH EXTERIOR PORTLAND CEMENT PLASTER WALLS: USE THE MOISTSTOP E-Z SEAL HIGH PERFORMANCE SELF-ADHESIVE FLASHING SYSTEM.
2. OPENINGS THROUGH METAL SIDING: USE FORTIFLASH 40 IN AN SIMILAR TO THE LAYERING USED IN THE MOISTOP E-Z SEAL SYSTEM

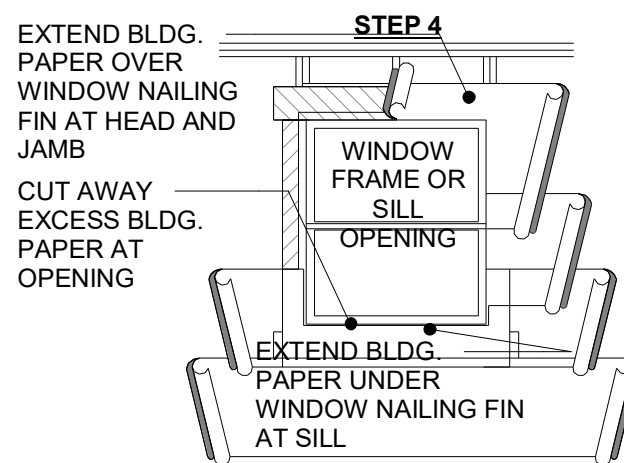
**NOTE:**

- FLASHING OF ALL EXTERIOR OPENINGS EXPOSED TO WEATHER TO MAKE THEM FOR WINDOW FLASHING. TECHNIQUES SHOWN HERE ARE RECOMMENDED USE SELF-ADHERED WATERPROOF MEMBRANE BY WR. GRACE CO.(OR EQUAL) WHENEVER POSSIBLE FOR FLASHING MATERIAL SEAL BACK OF WINDOW FRAMES WITH SEALANT BEFORE SETTING (USE WINDOWS THAT ARE WATER-TIGHT)
- 26GA G1. FLASHING REQUIRED AS SHOWN IN OTHER WINDOW DETAILS TO BE INSTALLED BY SHEET METAL CONTRACTOR
- ADDITIONAL MATERIALS & METAL HEAD FLASHING, ELASTOMERIC SHEET WATERPROOFING, ETC.MAY OCCUR (DEPENDING ON THE SPECIFIC FINISH MATERIALS BEING USED)-REFER TO INDIVIDUAL DETAILS FOR ADDITIONAL INFORMATION.

⑤ Self Adhered Waterproof Membrane System  
1/4" = 1'-0"



- ATTACH JAMB STRIPS OF 12" WIDE SELF-ADHERED WATERPROOF MEMBRANE WITH INSIDE EDGE EVEN WITH THE JAMB OF THE ROUGH OPENING
- START JAMB STRIPS 2" BELOW SILL STRIP AND EXTEND 4" ABOVE LOWER EDGE OF HEADER



- STARTING FROM THE BASE OF THE WALL APPLY BUILDING PAPER UNDER THE SILL STRIP AND CUT AWAY ANY EXCESS BUILDING PAPER THAT MAY EXTEND ABOVE THE SILL AND BETWEEN THE JAMBS OF THE OPENING
- APPLY THE NEXT COURSE OF BUILDING PAPER (BUTTING TO THE FRAME OPENING) OVER THE JAMB COMPOSITE FLEXIBLE FLASHING MATERIAL
- APPLY SUCCEEDING LAYERS OF BUILDING PAPER IN A SHINGLE BOARD APPLICATION UP THE WALL LAPPING COURSES A MINIMUM OF 6".

- LINE WIRE (WHEN USED AS BACKING TO SUPPORT WATER-RESISTANT BUILDING PAPER OR FELT BENEATH LATH FOR STUCCO) SHOULD BE INSTALLED ACCORDING TO INDUSTRY STANDARDS AND PRACTICE NO ATTACHMENT DEVICE NOR THE WIRE BACKING SHOULD COVER OR PENETRATE THE FLASHING MATERIAL PREPHERAL FLASHING AT ALL EDGES OF WALL OPENING MUST COVER WIRE BACKING.
- ALL MATERIALS SHALL BE IN STRICT CONFORMANCE WITH U.B.C. STANDARD 14-1.
- APPLICATION OF FINISH MATERIALS OVER FLASHING MATERIALS SHOWN SHALL BE AS SPECIFIED BY CODE REQUIREMENTS, MANUFACTURERS INSTRUCTIONS AND THE BEST PRACTICES OF THE TRADE .
- MEMBRANE FLASHING IS TO BE FULLY BACKED

PREPARED BY:



**EVERETT SMITH  
DESIGNS**

RIVERSIDE COUNTY, CA  
TEL: 951-323-2187

*Everett Smith*  
Email: everett@everettsmithdesigns.com

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PROJECT:

**PROPOSED (1) STORY RESIDENCE**

REVISIONS:

No.	Description	Date

PROJECT ADDRESS:

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Riverside, Ca

CLIENT NAME:

DALE & TRISH

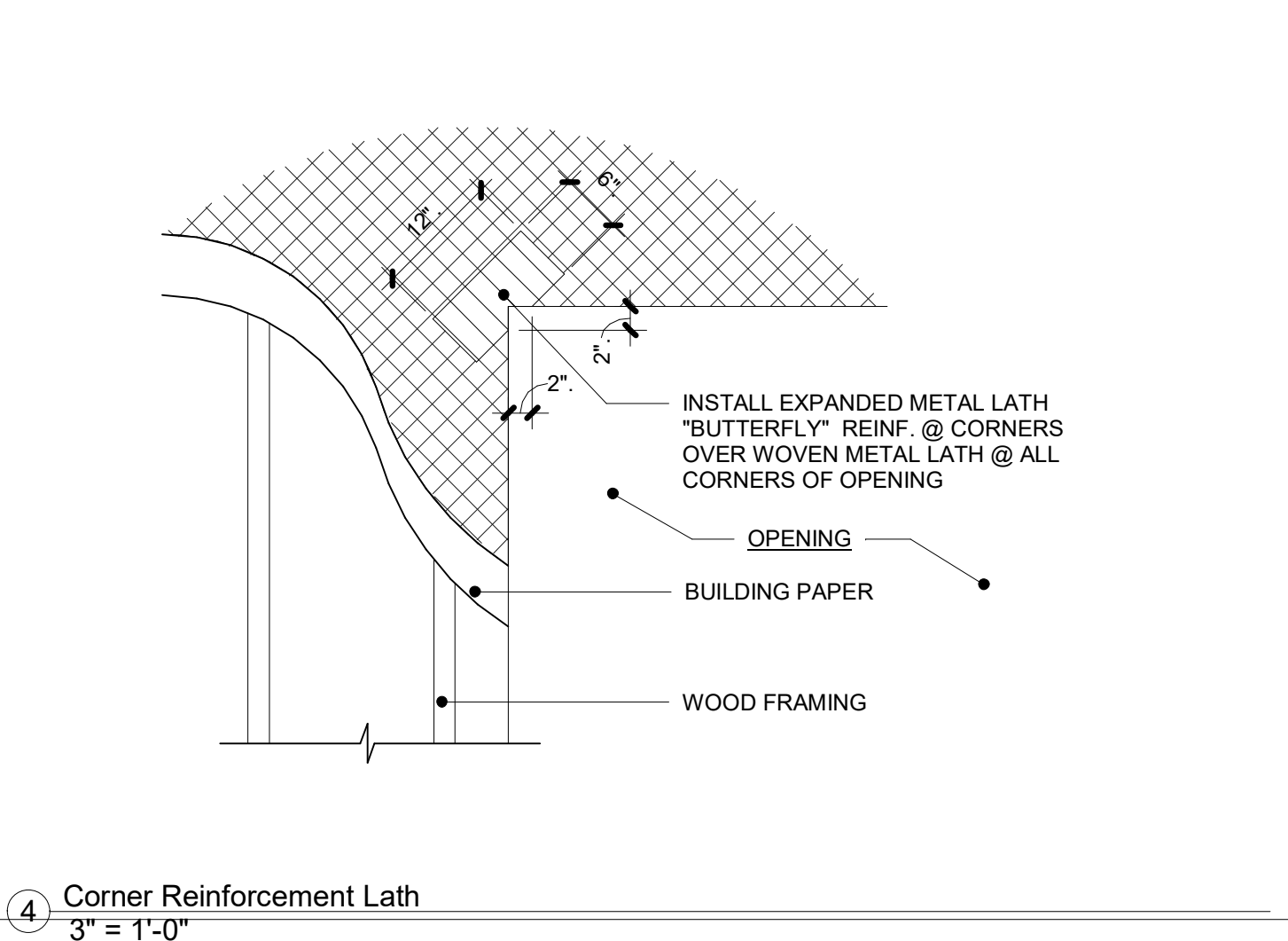
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Project number 21-2083  
Date 14/06/2021 10:00:58 PM  
Drawn by Author  
Checked by Checker

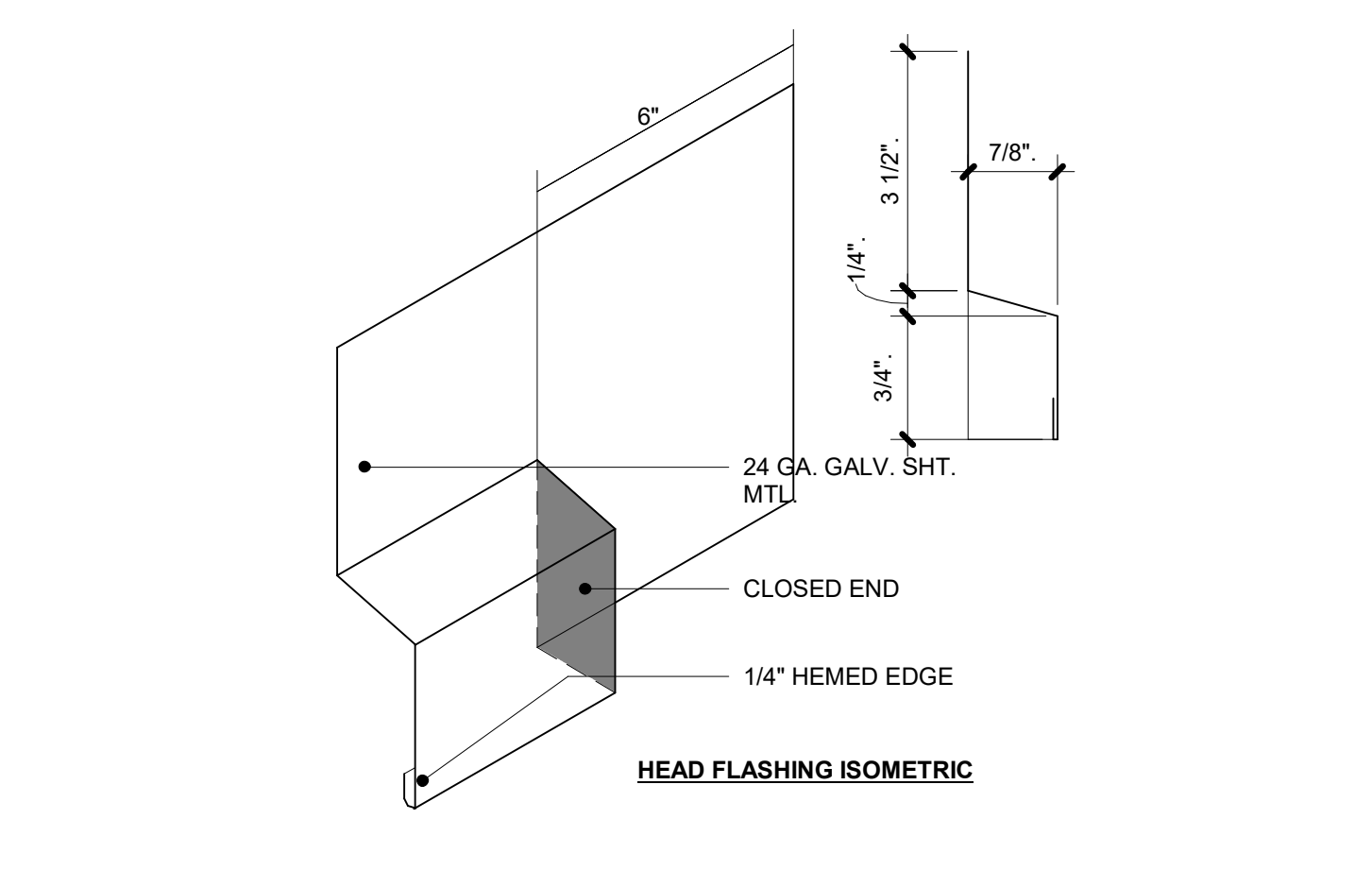
**AD.31**

Scale 3" = 1'-0"

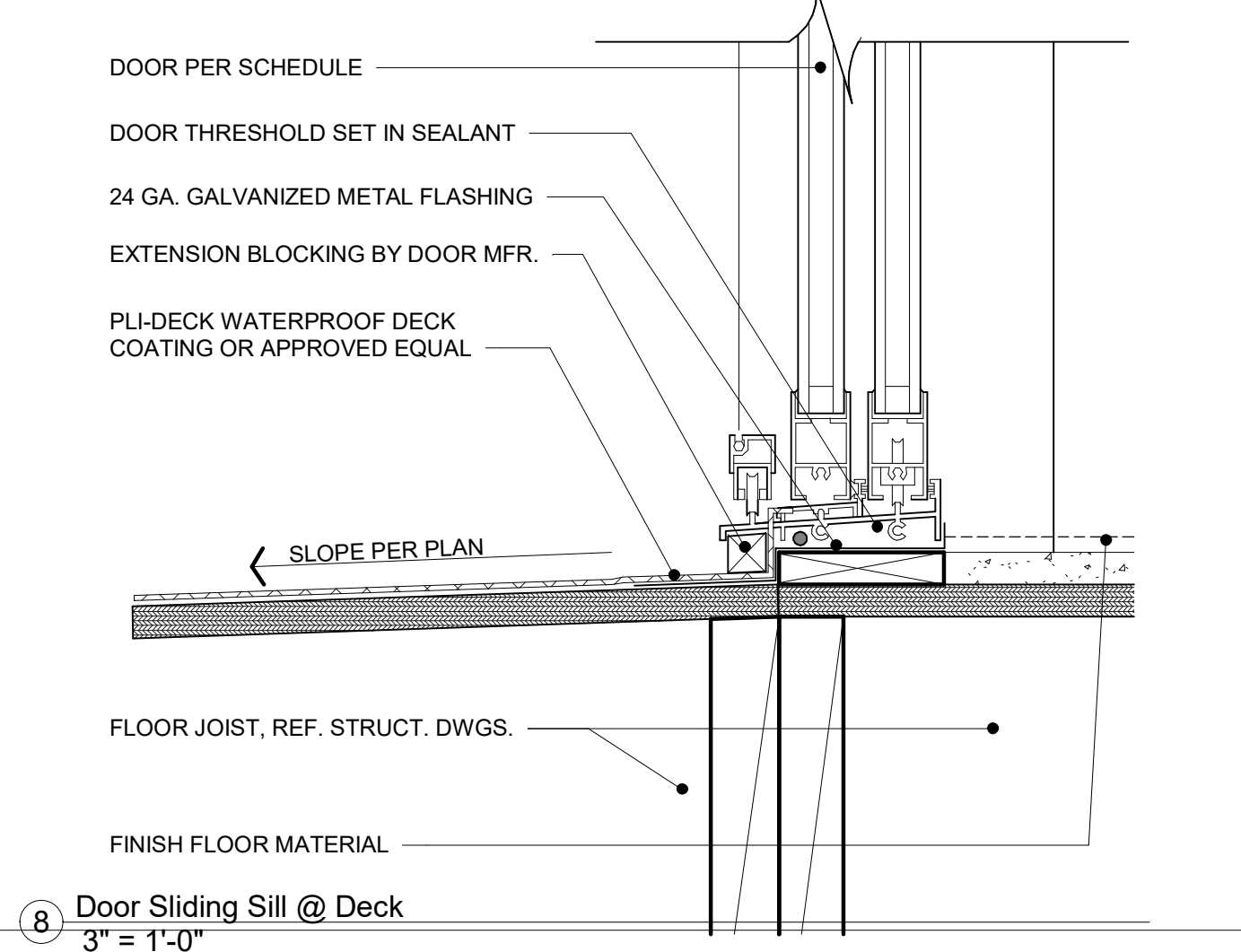
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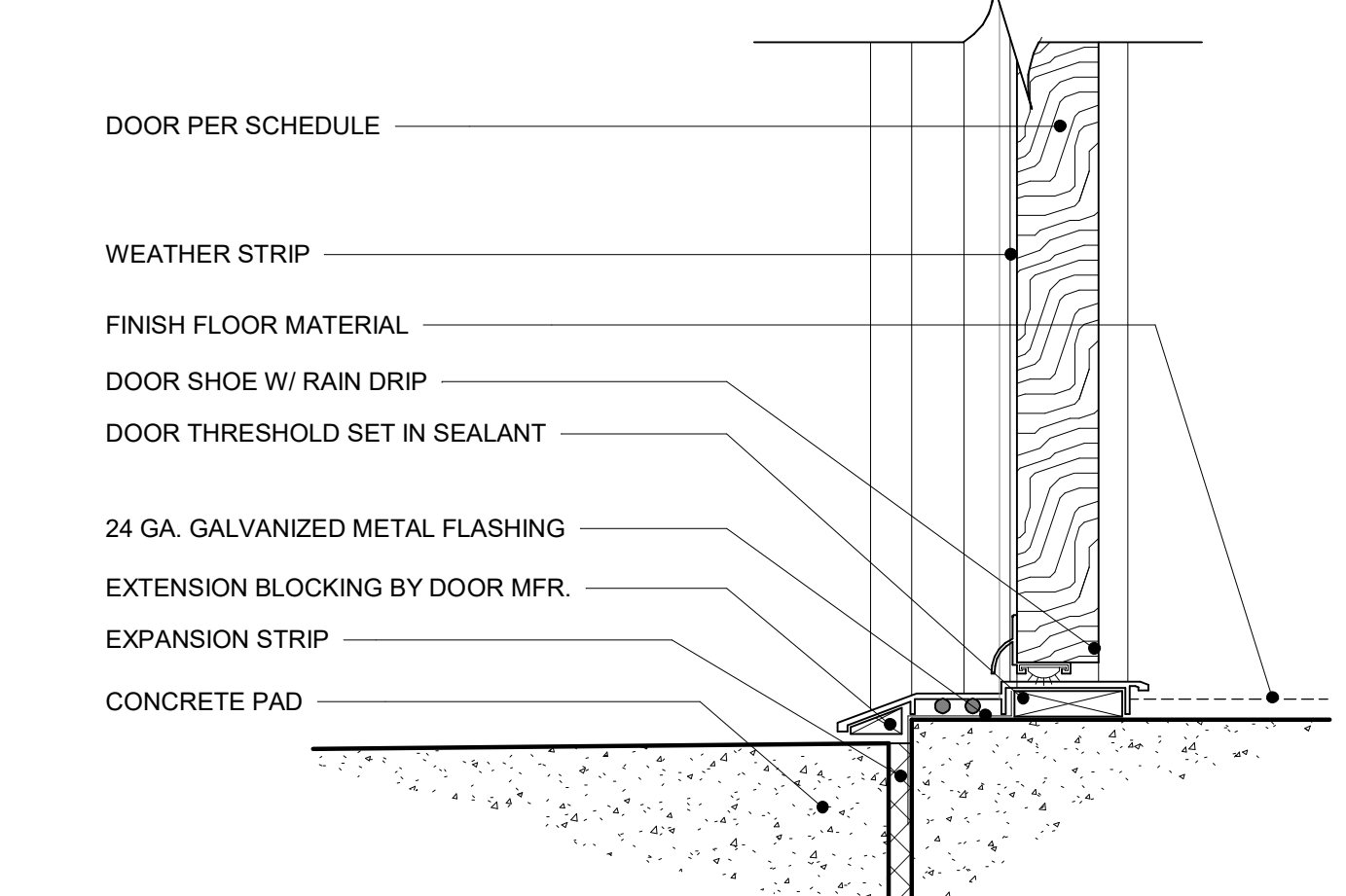
4 Corner Reinforcement Lath  
3" = 1'-0"



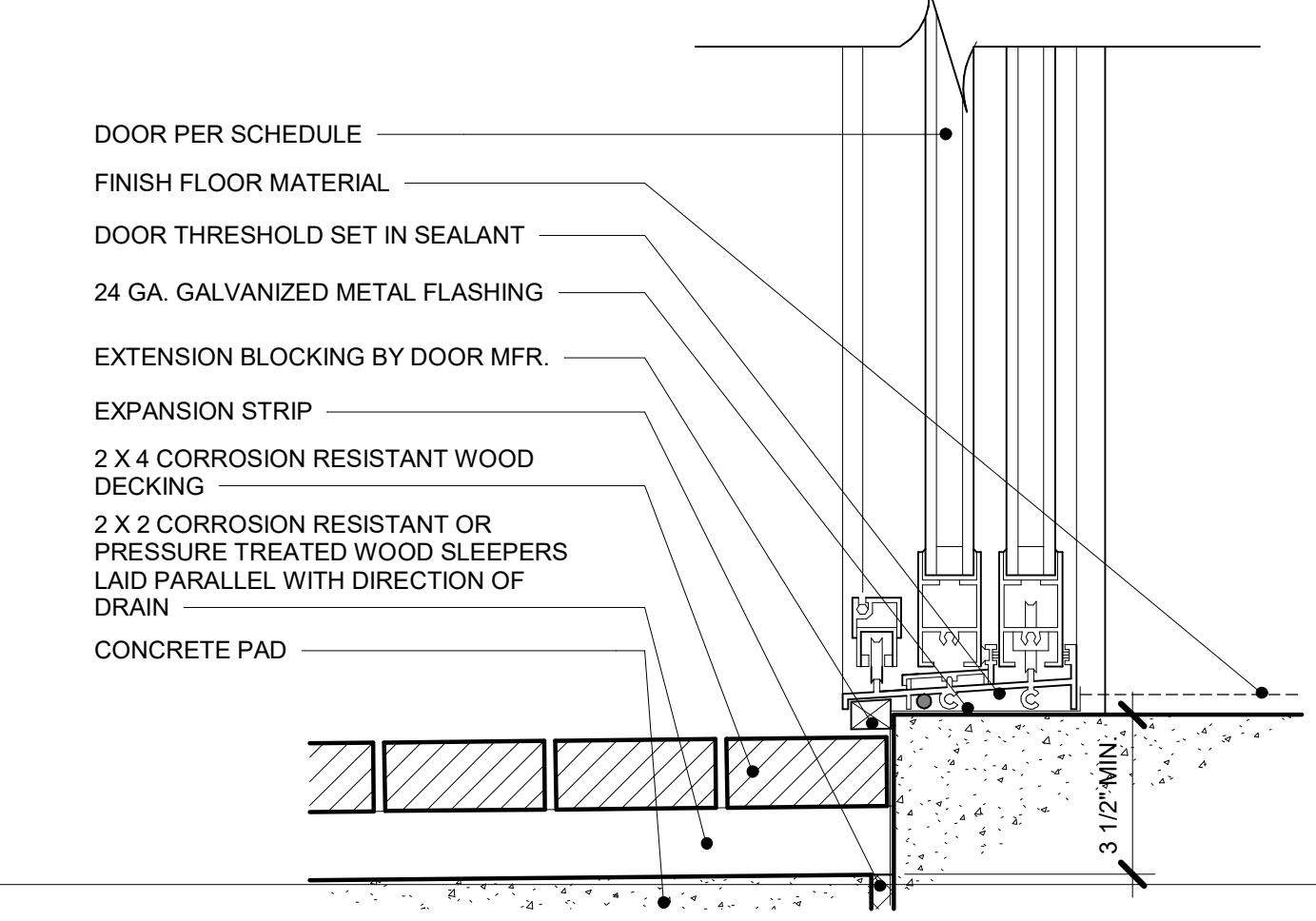
3 Door Head Flashing  
NTS



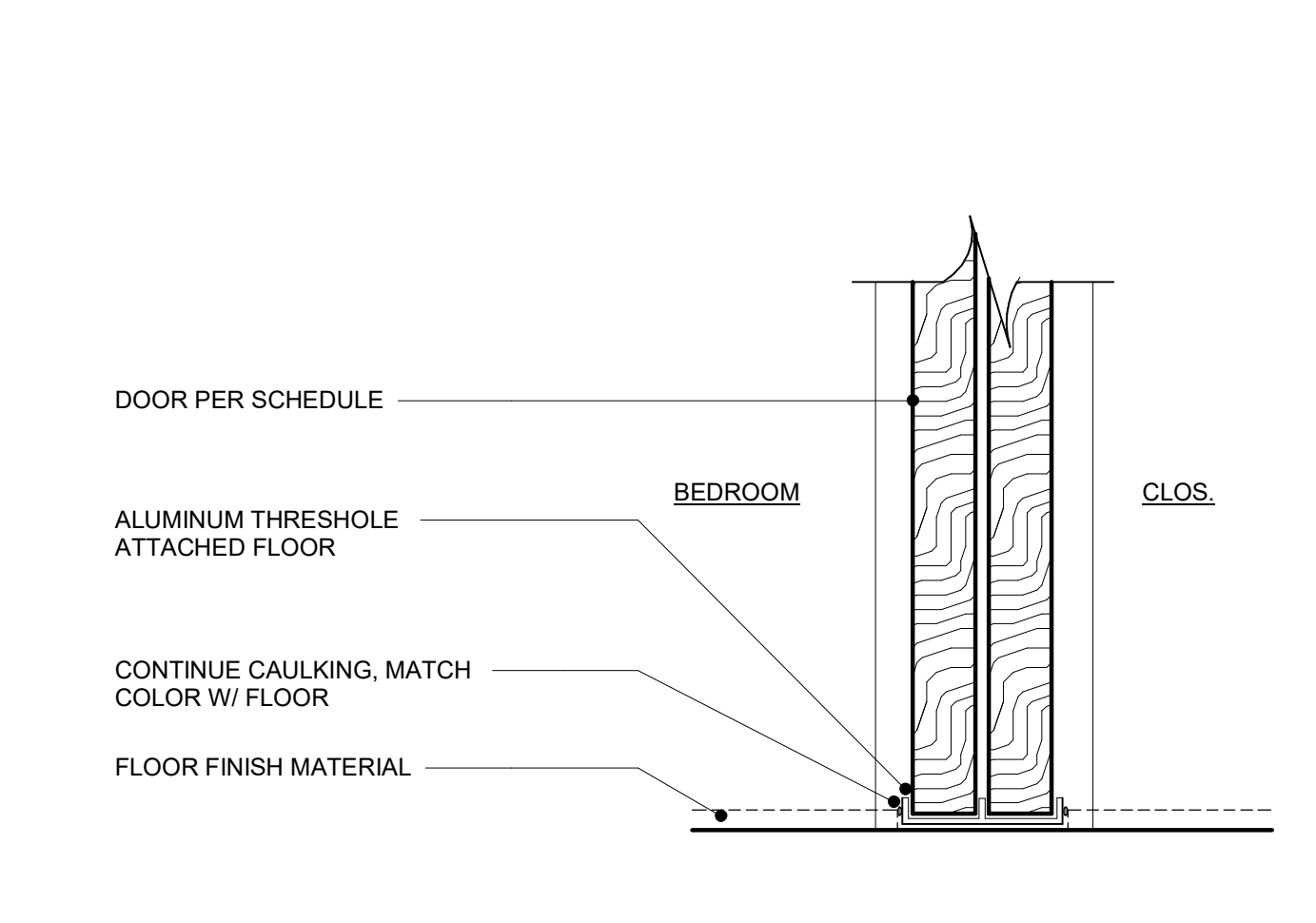
8 Door Sliding Sill @ Deck  
3" = 1'-0"



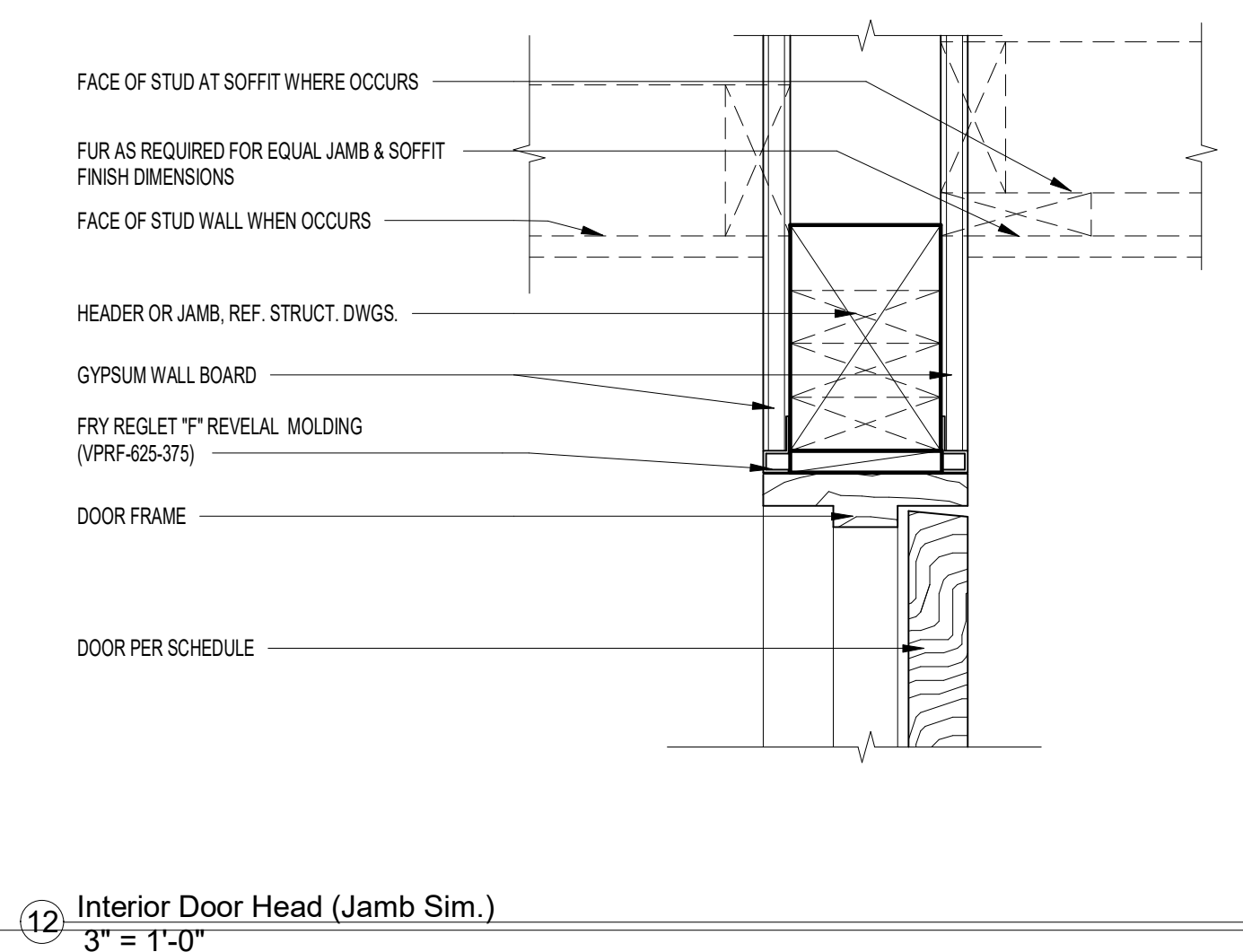
7 Ext Door Sill  
3" = 1'-0"



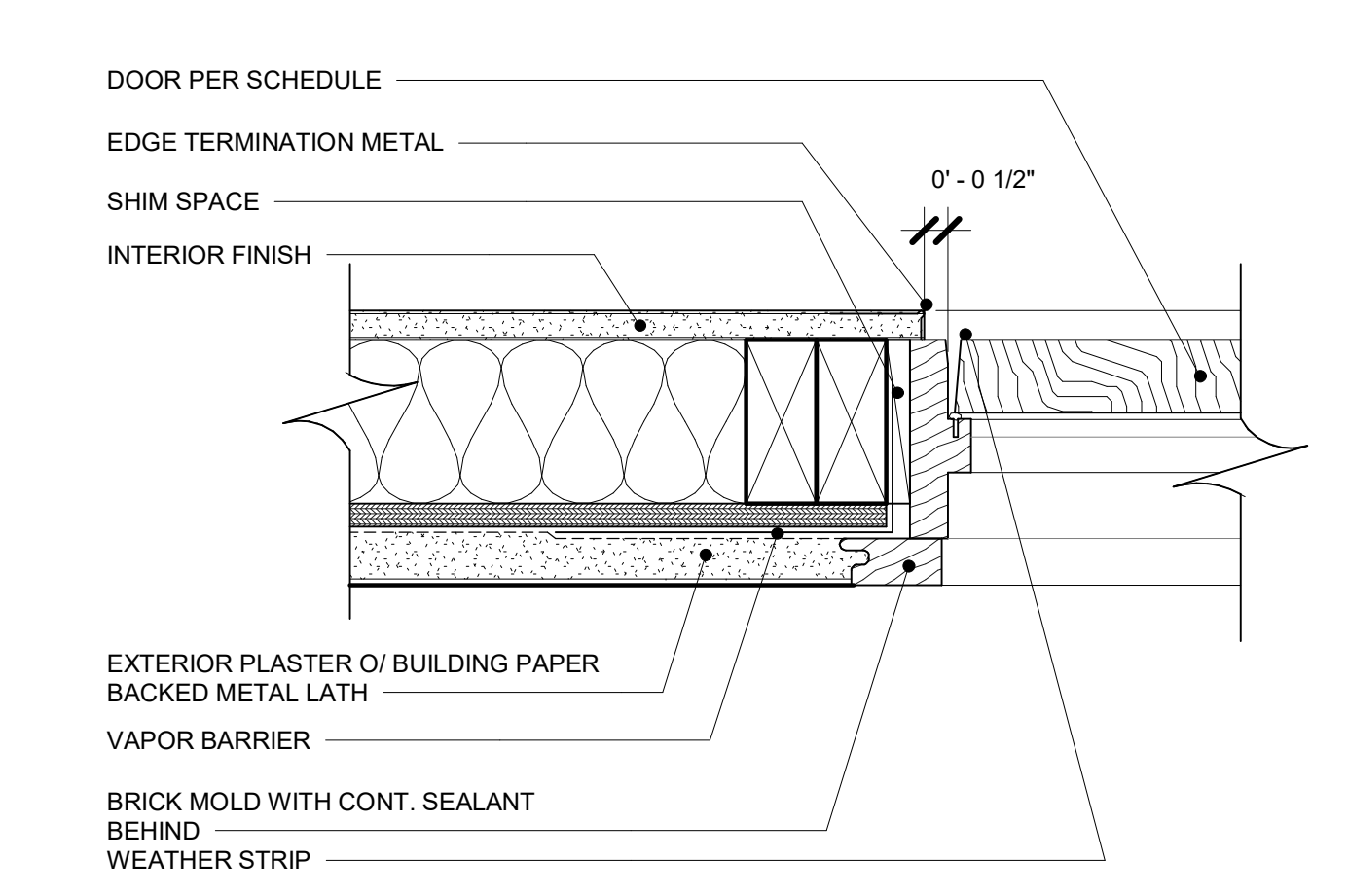
6 Door Sliding Sill  
3" = 1'-0"



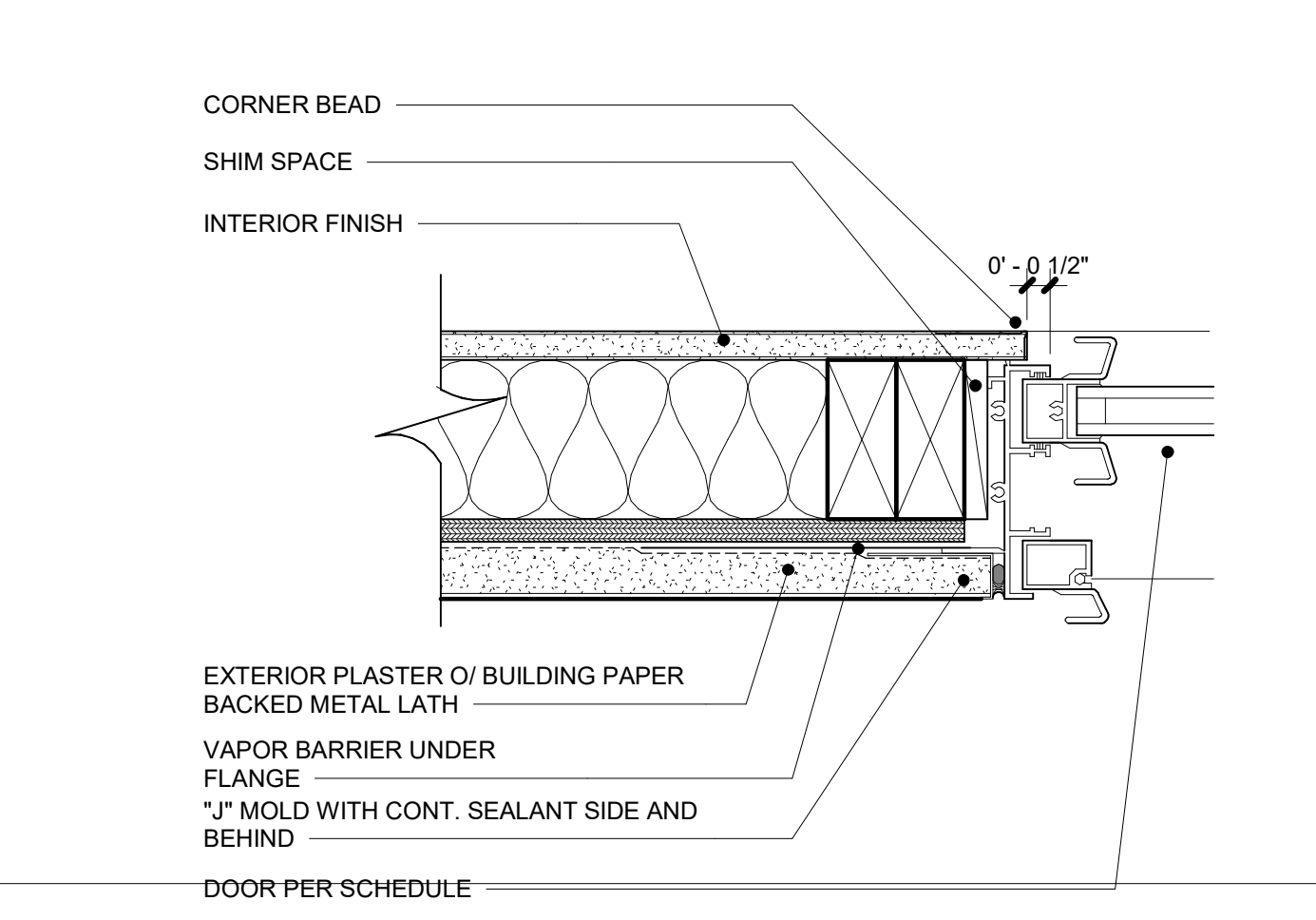
5 Closet Door Sill  
3" = 1'-0"



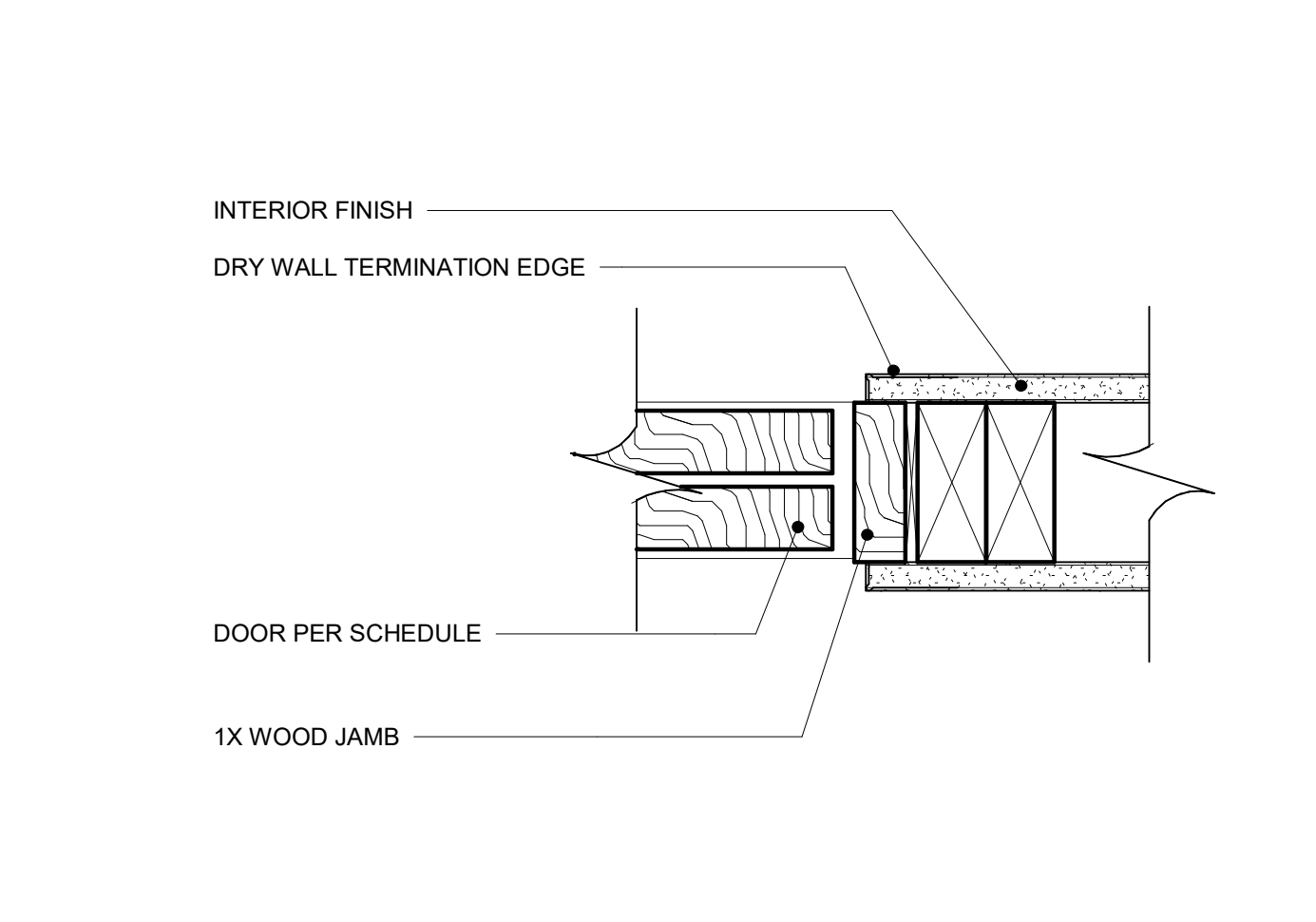
12 Interior Door Head (Jamb Sim.)  
3" = 1'-0"



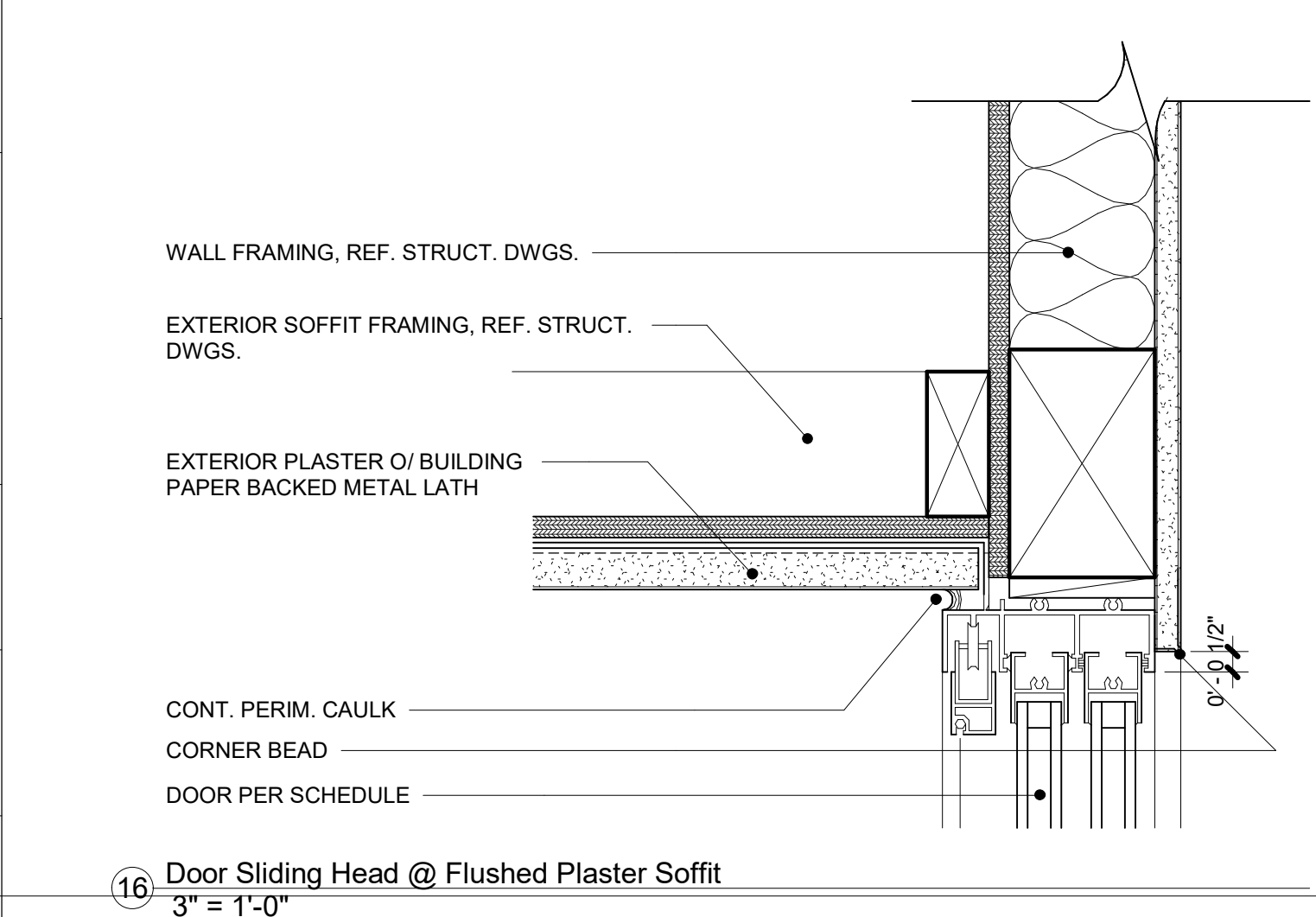
11 Ext. Door Jamb  
3" = 1'-0"



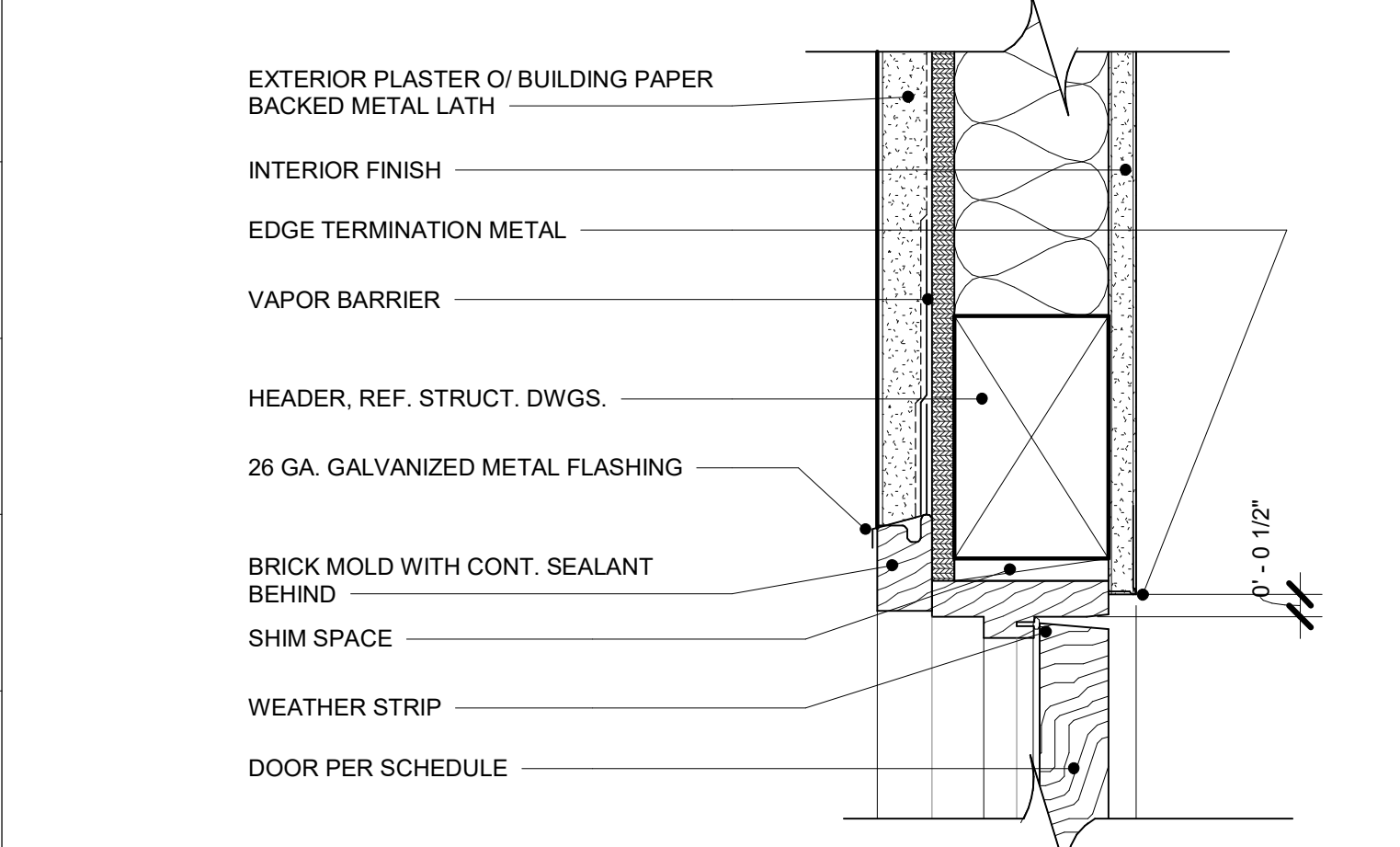
10 Door Sliding Jamb  
3" = 1'-0"



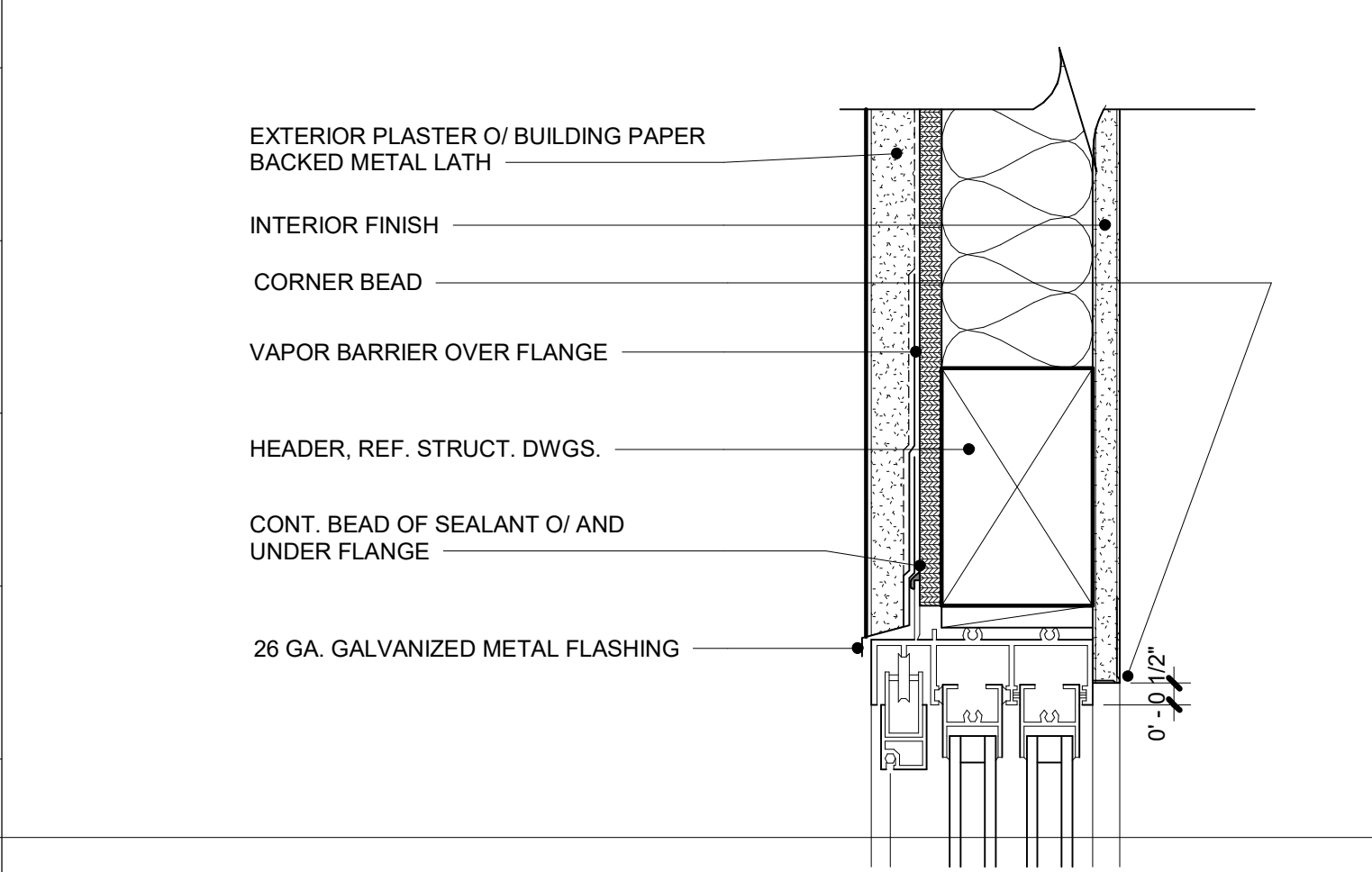
9 Closet Door Jamb  
3" = 1'-0"



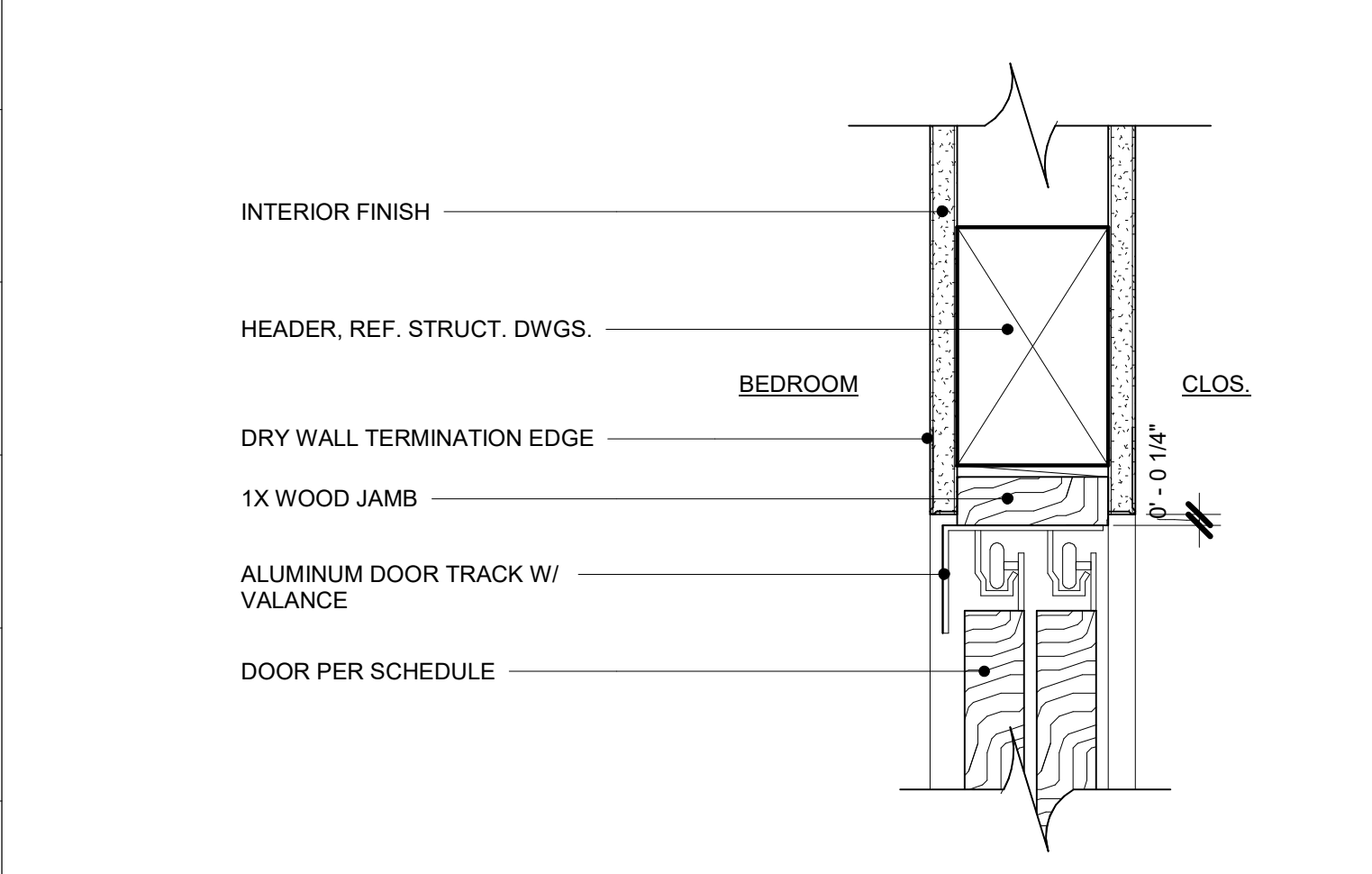
16 Door Sliding Head @ Flushed Plaster Soffit  
3" = 1'-0"



15 Ext. Door Head  
3" = 1'-0"



14 Door Sliding Head  
3" = 1'-0"



13 Closet Door Head  
3" = 1'-0"



EVERETT SMITH DESIGNS

RIVERSIDE COUNTY, CA  
TEL: 951-323-2187

Everett Smith  
Email: everett@everettsmithdesigns.com

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PROJECT:

PROPOSED (1) STORY RESIDENCE

CERTIFICATE OF COMPLIANCE  
Project Name: Larry & Stella Madero Residence  
Calculation Date/Time: 2020-12-17T12:34:50-08:00  
Input File Name: Stella Madero.rbd19  
CF1R-PRF-01E  
(Page 1 of 12)

GENERAL INFORMATION table with columns for Project Name, Run Title, Project Location, City, Zip code, Climate Zone, Building Type, Project Scope, Addition Cond. Floor Area, Existing Cond. Floor Area, Total Cond. Floor Area, ADU Bedroom Count, and Is Natural Gas Available?

COMPLIANCE RESULTS table with columns for Building Complies with Computer Performance, Building incorporates features that require field testing, and Building incorporates one or more Special Features.

Registration Number: 420-P010163558A-000-000-0000000-0000  
Registration Date/Time: 12/17/2020 12:36  
Report Version: 2019.1.300  
Schema Version: rev 20200901  
HERS Provider: CHEERS  
Report Generated: 2020-12-17 12:36:30

CERTIFICATE OF COMPLIANCE  
Project Name: Larry & Stella Madero Residence  
Calculation Date/Time: 2020-12-17T12:34:50-08:00  
Input File Name: Stella Madero.rbd19  
CF1R-PRF-01E  
(Page 2 of 12)

ENERGY DESIGN RATING table with columns for Energy Design Ratings (Efficiency, Total) and Compliance Margins (Efficiency, Total). Includes a RESULT: COMPLIES section.

ENERGY USE SUMMARY table with columns for Energy Use (kWh/ft²-yr), Standard Design, Proposed Design, Compliance Margin, and Percent Improvement.

Registration Number: 420-P010163558A-000-000-0000000-0000  
Registration Date/Time: 12/17/2020 12:36  
Report Version: 2019.1.300  
Schema Version: rev 20200901  
HERS Provider: CHEERS  
Report Generated: 2020-12-17 12:36:30

CERTIFICATE OF COMPLIANCE  
Project Name: Larry & Stella Madero Residence  
Calculation Date/Time: 2020-12-17T12:34:50-08:00  
Input File Name: Stella Madero.rbd19  
CF1R-PRF-01E  
(Page 3 of 12)

REQUIRED PV SYSTEMS - SIMPLIFIED table with columns for DC System Size, Exception, Module Type, Array Type, Power Electronics, CF1, Azimuth, Tilt, Array Angle, Tilt, Inverter Eff, and Annual Solar Access.

REQUIRED SPECIAL FEATURES table with columns for Building-level Verifications, Cooling System Verifications, Heating System Verifications, HVAC Distribution System Verifications, and Domestic Hot Water System Verifications.

HERS FEATURE SUMMARY table with columns for Building-level Verifications, Cooling System Verifications, Heating System Verifications, HVAC Distribution System Verifications, and Domestic Hot Water System Verifications.

Registration Number: 420-P010163558A-000-000-0000000-0000  
Registration Date/Time: 12/17/2020 12:36  
Report Version: 2019.1.300  
Schema Version: rev 20200901  
HERS Provider: CHEERS  
Report Generated: 2020-12-17 12:36:30

CERTIFICATE OF COMPLIANCE  
Project Name: Larry & Stella Madero Residence  
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Input File Name: Stella Madero.rbd19  
CF1R-PRF-01E  
(Page 4 of 12)

BUILDING - FEATURES INFORMATION table with columns for Project Name, Conditioned Floor Area, Number of Dwelling Units, Number of Bedrooms, Number of Zones, Number of Ventilation Cooling Systems, and Number of Water Heating Systems.

ZONE INFORMATION table with columns for Zone Name, Zone Type, HVAC System Name, Zone Floor Area, Avg. Ceiling Height, Water Heating System 1, and Water Heating System 2.

OPAQUE SURFACES table with columns for Name, Zone, Construction, Azimuth, Orientation, Gross Area, Window and Door Area, and Tilt.

Registration Number: 420-P010163558A-000-000-0000000-0000  
Registration Date/Time: 12/17/2020 12:36  
Report Version: 2019.1.300  
Schema Version: rev 20200901  
HERS Provider: CHEERS  
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Input File Name: Stella Madero.rbd19  
CF1R-PRF-01E  
(Page 5 of 12)

OPAQUE SURFACES table with columns for Name, Zone, Construction, Azimuth, Orientation, Gross Area, Window and Door Area, and Tilt.

ATTIC table with columns for Name, Construction, Type, Roof Rise, Roof Reflectance, Roof Emittance, Radiant Barrier, and Cool Roof.

FENESTRATION / GLAZING table with columns for Name, Type, Surface, Orientation, Azimuth, Width, Height, Mult, Area, U-factor, U-factor Source, SHGC, SHGC Source, and Exterior Shading.

Registration Number: 420-P010163558A-000-000-0000000-0000  
Registration Date/Time: 12/17/2020 12:36  
Report Version: 2019.1.300  
Schema Version: rev 20200901  
HERS Provider: CHEERS  
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Input File Name: Stella Madero.rbd19  
CF1R-PRF-01E  
(Page 6 of 12)

FENESTRATION / GLAZING table with columns for Name, Type, Surface, Orientation, Azimuth, Width, Height, Mult, Area, U-factor, U-factor Source, SHGC, SHGC Source, and Exterior Shading.

OPAQUE DOORS table with columns for Name, Side of Building, Area, and U-factor.

Registration Number: 420-P010163558A-000-000-0000000-0000  
Registration Date/Time: 12/17/2020 12:36  
Report Version: 2019.1.300  
Schema Version: rev 20200901  
HERS Provider: CHEERS  
Report Generated: 2020-12-17 12:36:30

CERTIFICATE OF COMPLIANCE  
Project Name: Larry & Stella Madero Residence  
Calculation Date/Time: 2020-12-17T12:34:50-08:00  
Input File Name: Stella Madero.rbd19  
CF1R-PRF-01E  
(Page 7 of 12)

SLAB FLOORS table with columns for Name, Zone, Area, Perimeter, Edge Insul. R-value and Depth, Edge Insul. R-value and Depth, Carpeted Fraction, and Heated.

OPAQUE SURFACE CONSTRUCTIONS table with columns for Construction Name, Surface Type, Construction Type, Framing, Total Cavity R-value, Interior / Exterior Continuous R-value, U-factor, and Assembly Layers.

Registration Number: 420-P010163558A-000-000-0000000-0000  
Registration Date/Time: 12/17/2020 12:36  
Report Version: 2019.1.300  
Schema Version: rev 20200901  
HERS Provider: CHEERS  
Report Generated: 2020-12-17 12:36:30

CERTIFICATE OF COMPLIANCE  
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Input File Name: Stella Madero.rbd19  
CF1R-PRF-01E  
(Page 8 of 12)

OPAQUE SURFACE CONSTRUCTIONS table with columns for Construction Name, Surface Type, Construction Type, Framing, Total Cavity R-value, Interior / Exterior Continuous R-value, U-factor, and Assembly Layers.

BUILDING ENVELOPE - HERS VERIFICATION table with columns for Quality Insulation Installation, High R-value Spray Foam Insulation, Building Envelope Air Leakage, and CFM50.

WATER HEATING SYSTEMS table with columns for Name, System Type, Distribution Type, Water Heater Name, Solar Heating System, Compact Distribution, and HERS Verification.

Registration Number: 420-P010163558A-000-000-0000000-0000  
Registration Date/Time: 12/17/2020 12:36  
Report Version: 2019.1.300  
Schema Version: rev 20200901  
HERS Provider: CHEERS  
Report Generated: 2020-12-17 12:36:30

CERTIFICATE OF COMPLIANCE  
Project Name: Larry & Stella Madero Residence  
Calculation Date/Time: 2020-12-17T12:34:50-08:00  
Input File Name: Stella Madero.rbd19  
CF1R-PRF-01E  
(Page 9 of 12)

WATER HEATERS table with columns for Name, Heating Element Type, Tank Type, # of Units, Tank Vol, ENERGY Factor or Efficiency, Input Rating or Pilot, Tank Insulation R-value, Standby Loss or Recovery Eff, 1st Hr. Rating or Flow Rate, NEEA Heat Pump Brand or Model, and Tank Location or Ambient Condition.

WATER HEATING - HERS VERIFICATION table with columns for Name, Pipe Insulation, Parallel Piping, Compact Distribution, Compact Distribution Type, Recirculation Control, Central DHW Distribution, and Shower Drain Water Heat Recovery.

SPACE CONDITIONING SYSTEMS table with columns for Name, System Type, Heating Unit Name, Cooling Unit Name, Fan Name, Distribution Name, Required Thermostat Type, Status, Verified Existing Condition, Heating Equipment Count, and Cooling Equipment Count.

HVAC - HEATING UNIT TYPES table with columns for Name, System Type, Number of Units, and Heating Efficiency.

Registration Number: 420-P010163558A-000-000-0000000-0000  
Registration Date/Time: 12/17/2020 12:36  
Report Version: 2019.1.300  
Schema Version: rev 20200901  
HERS Provider: CHEERS  
Report Generated: 2020-12-17 12:36:30

REVISIONS table with columns for No., Description, and Date.

PROJECT ADDRESS:  
0 McAllister  
Riverside, Ca

CLIENT NAME:  
DALE & TRISH

TITLE-24

Project number 21-2083  
Date 14/06/2021 10:00:58 PM  
Drawn by Author  
Checked by Checker

AT24-1  
Scale

CERTIFICATE OF COMPLIANCE

Project Name: Larry & Stella Madero Residence

Calculation Date/Time: 2020-12-17T12:34:50-08:00

Input File Name: Stella Madero.rbd19

CF1R-PRF-01E

(Page 10 of 12)

Table with 8 columns: 01, 02, 03, 04, 05, 06, 07, 08. Rows include Name, System Type, Number of Units, Efficiency EER/CEER, Efficiency SEER, Zonally Controlled, Multi-speed Compressor, HERS Verification.

Table with 12 columns: 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12. Rows include Name, Type, Design Type, Supply, Return, Bypass Duct, Duct Leakage, HERS Verification.

Table with 9 columns: 01, 02, 03, 04, 05, 06, 07, 08, 09. Rows include 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.

Table with 3 columns: 01, 02, 03. Rows include Name, Verified Fan Watt Draw, Required Fan Efficacy (Watts/CFM).

Registration Number: 420-P010163558A-000-000-0000000-0000. Registration Date/Time: 12/17/2020 12:36. HERS Provider: CHEERS. CA Building Energy Efficiency Standards - 2019 Residential Compliance.

CERTIFICATE OF COMPLIANCE

Project Name: Larry & Stella Madero Residence

Calculation Date/Time: 2020-12-17T12:34:50-08:00

Input File Name: Stella Madero.rbd19

CF1R-PRF-01E

(Page 11 of 12)

Table with 6 columns: 01, 02, 03, 04, 05, 06. Rows include Dwelling Unit, IAQ CFM, IAQ Watts/CFM, IAQ Fan Type, IAQ Recovery Effectiveness (%), IAQ Recovery Effectiveness - SREIAQ Recovery Effectiveness - SRE.



Registration Number: 420-P010163558A-000-000-0000000-0000. Registration Date/Time: 12/17/2020 12:36. HERS Provider: CHEERS. CA Building Energy Efficiency Standards - 2019 Residential Compliance.

CERTIFICATE OF COMPLIANCE

Project Name: Larry & Stella Madero Residence

Calculation Date/Time: 2020-12-17T12:34:50-08:00

Input File Name: Stella Madero.rbd19

CF1R-PRF-01E

(Page 12 of 12)

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Signature: Kourosh A. Sharifabad. Signature Date: 12/17/2020. Address: 38 Pemberly, Mission Viejo, CA 92692.

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 identified on this Certificate of Compliance.

Responsible Designer Signature: Kourosh A. Sharifabad. Signature Date: 12/17/2020. Address: 38 Pemberly, Mission Viejo, CA 92692.

Digitally signed by Cordell Home Energy Efficiency Rating System Services, Inc. (CHEERS). 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: 420-P010163558A-000-000-0000000-0000. Registration Date/Time: 12/17/2020 12:36. HERS Provider: CHEERS. CA Building Energy Efficiency Standards - 2019 Residential Compliance.

2019 Low-Rise Residential Mandatory Measures Summary

NOTE: Low-rise residential buildings subject to the Energy Standards must comply with all applicable mandatory measures, regardless of the compliance approach used. Review the respective section for more information. \*Exceptions may apply. (01/2020)

Table of mandatory measures for 2019 Low-Rise Residential buildings, including sections on Building Envelope Measures, Roofing Products, Radiant Barrier, Ceiling and Rafter Roof Insulation, Vapor Retarder, Fenestration Products, Fireplaces, Decorative Gas and Log Measures, Space Conditioning, Water Heating, and Plumbing System Measures.

2019 Low-Rise Residential Mandatory Measures Summary

NOTE: Low-rise residential buildings subject to the Energy Standards must comply with all applicable mandatory measures, regardless of the compliance approach used. Review the respective section for more information. \*Exceptions may apply. (01/2020)

Table of mandatory measures for 2019 Low-Rise Residential buildings, including sections on Clearances, Liquid Line Driv, Storage Tank Insulation, Water Heating, Solar Water-Heating System Piping and Space Conditioning System Line Insulation, Insulation Protection, Gas or Propane Water Heating Systems, Recirculating Loops, Solar Water-Heating Systems, Ducts and Fans Measures, Factory-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, and Space Conditioning System Airflow Rate and Fan Efficiency.

2019 Low-Rise Residential Mandatory Measures Summary

NOTE: Low-rise residential buildings subject to the Energy Standards must comply with all applicable mandatory measures, regardless of the compliance approach used. Review the respective section for more information. \*Exceptions may apply. (01/2020)

Table of mandatory measures for 2019 Low-Rise Residential buildings, including sections on Requirements for Ventilation and Indoor Air Quality, Single Family Detached Dwelling Units, Multifamily Attached Dwelling Units, Multifamily Building Central Ventilation Systems, Field Verification and Diagnostic Testing, Pool and Spa Systems and Equipment Measures, Certification by Manufacturers, Piping, Covers, Outdoor pools or spas that have a heat pump or gas heater must have a cover, Directional Inlets and Time Switches for Pools, Pilot Light, Pool Systems and Equipment Installation, Lighting Measures, Luminaire Efficacy, Blank Electrical Boxes, Recessed Downlight Luminaires in Ceilings, Electronic Ballasts for Fluorescent Lamps, Night Lights, Step Lights, and Path Lights, Lighting Integral to Exhaust Fans, Screw based luminaires, Light Sources in Enclosed or Recessed Luminaires, Light Sources in Drawers, Cabinets, and Linen Closets, Interior Switches and Controls, Interior Switches and Controls, Interior Switches and Controls, Interior Switches and Controls, Interior Switches and Controls.

2019 Low-Rise Residential Mandatory Measures Summary

NOTE: Low-rise residential buildings subject to the Energy Standards must comply with all applicable mandatory measures, regardless of the compliance approach used. Review the respective section for more information. \*Exceptions may apply. (01/2020)

Table of mandatory measures for 2019 Low-Rise Residential buildings, including sections on Interior Switches and Controls, Interior Switches and Controls, Interior Switches and Controls, Residential Outdoor Lighting, Internally Illuminated Address Signs, Internally Illuminated Address Signs, Residential Garages for Eight or More Vehicles, Interior Common Areas of Low-Rise Multifamily Residential Buildings, Low-Rise Multifamily Buildings, Minimum Solar Zone Area, Pathway, Smoke Ventilation, and Spacing Requirements as Specified in Title 24, Part 9 or other parts of Title 24 or any requirements adopted by a local jurisdiction, Structural Design Loads on Construction Documents, Interconnection Pathways, Documentation, Main Electrical Service Panel, Main Electrical Service Panel, Main Electrical Service Panel, Main Electrical Service Panel.

EVERETT SMITH DESIGNS logo and contact information: RIVERSIDE COUNTY, CA TEL: 951-323-2187. Email: everett@everettsmithdesigns.com

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PROJECT:

Table with 3 columns: No., Description, Date. Header: REVISIONS.

PROJECT ADDRESS:

0 McAllister Riverside, Ca

CLIENT NAME: DALE & TRISH

Mandatory Measures

Project number: 21-2083. Date: 14/06/2021 10:00:59 PM. Drawn by: Author. Checked by: Checker.

AT24-2

Scale

PROPOSED (1) STORY RESIDENCE



SHEAR WALL SCHEDULE CBC 2013											
NO.	MATERIAL	B.S.	BLOCK	NAIL	EDGE	FIELD	SILL NAILING	SILL BOLTING	ALLOW	SQM	
1	1/2" GYM BD.			5d	7" O.C.	7" O.C.	A35 @ 48" O.C.	16d @ 16" O.C.	5@1" A.B. @ 6'-0" O.C.	30 PLF	1
2	5/8" GYM BD.			6d	7" O.C.	7" O.C.	A35 @ 48" O.C.	16d @ 16" O.C.	5@1" A.B. @ 6'-0" O.C.	30 PLF	2
3	7/8" 3/4" CDX			6d	6" O.C.	6" O.C.	A35 @ 30" O.C.	2-16d @ 16" O.C.	5@1" A.B. @ 6'-0" O.C.	180 PLF	3
4	3/8" PLYWOOD	YES		6d	6" O.C.	12" O.C.	A35 @ 24" O.C.	2-16d @ 16" O.C.	5@1" A.B. @ 6'-0" O.C.	220 PLF	4
5	3/8" PLYWOOD	YES		6d	4" O.C.	12" O.C.	A35 @ 16" O.C.	3-16d @ 16" O.C.	5@1" A.B. @ 2'-0" O.C.	320 PLF	5
6	3/8" PLYWOOD **	YES		6d	3" O.C.	12" O.C.	A35 @ 12" O.C.	3-1/4" W.S. @ 16" O.C.	5@1" A.B. @ 1'-10" O.C.	410 PLF	6
7	3/8" PLYWOOD **	YES		6d	2" O.C.	12" O.C.	A35 @ 10" O.C.	3-1/4" W.S. @ 16" O.C.	5@1" A.B. @ 1'-4" O.C.	530 PLF	7
8	15/32" CDX PLYWOOD	YES		10d	6" O.C.	12" O.C.	A35 @ 16" O.C.	3-16d @ 16" O.C.	5@1" A.B. @ 2'-0" O.C.	310 PLF	8
9	15/32" CDX PLYWOOD **	YES		10d	4" O.C.	12" O.C.	A35 @ 12" O.C.	3-1/4" W.S. @ 16" O.C.	5@1" A.B. @ 1'-10" O.C.	460 PLF	9
10	15/32" CDX PLYWOOD **	YES		10d	3" O.C.	12" O.C.	A35 @ 9" O.C.	3-1/4" W.S. @ 16" O.C.	5@1" A.B. @ 1'-5" O.C.	500 PLF	10
11	15/32" CDX PLYWOOD **	YES		10d	2" O.C.	12" O.C.	A35 @ 7" O.C.	4-1/4" W.S. @ 16" O.C.	5@1" A.B. @ 1'-1" O.C.	770 PLF	11
12	15/32" CDX PLYWOOD **	YES		10d	4" O.C.	12" O.C.	A35 @ 7" O.C.	5-1/4" W.S. @ 16" O.C.	5@1" A.B. @ 0'-11" O.C.	920 PLF	12
15	SIMPSON STRONGWALL WITH OSB PANEL (ICC-ESR2207) OR OSB/ICC-ESR#1679). ALL INSTALLATIONS AND DETAILS PER SIMPSON RECOMMENDATIONS.										

- NOTES:**
- 5 INDICATES SHEAR WALL TYPE AND LOCATION. REFER TO SHEAR WALL SCHEDULE FOR CONSTRUCTION REQUIREMENT AND ANCHOR SCHEDULE FOR SHEAR WALL, SEE DETAIL
  - INDICATES HEADER / BEAMS
  - INDICATES DRAG / GIRDER TRUSSES
  - INDICATES SPAN & DIRECTION OF NEW ROOF RAFTERS
  - INDICATES SPAN & DIRECTION OF NEW CEILING JOISTS
  - INDICATES SIZE & SPACING OF FRMG. MEMBERS

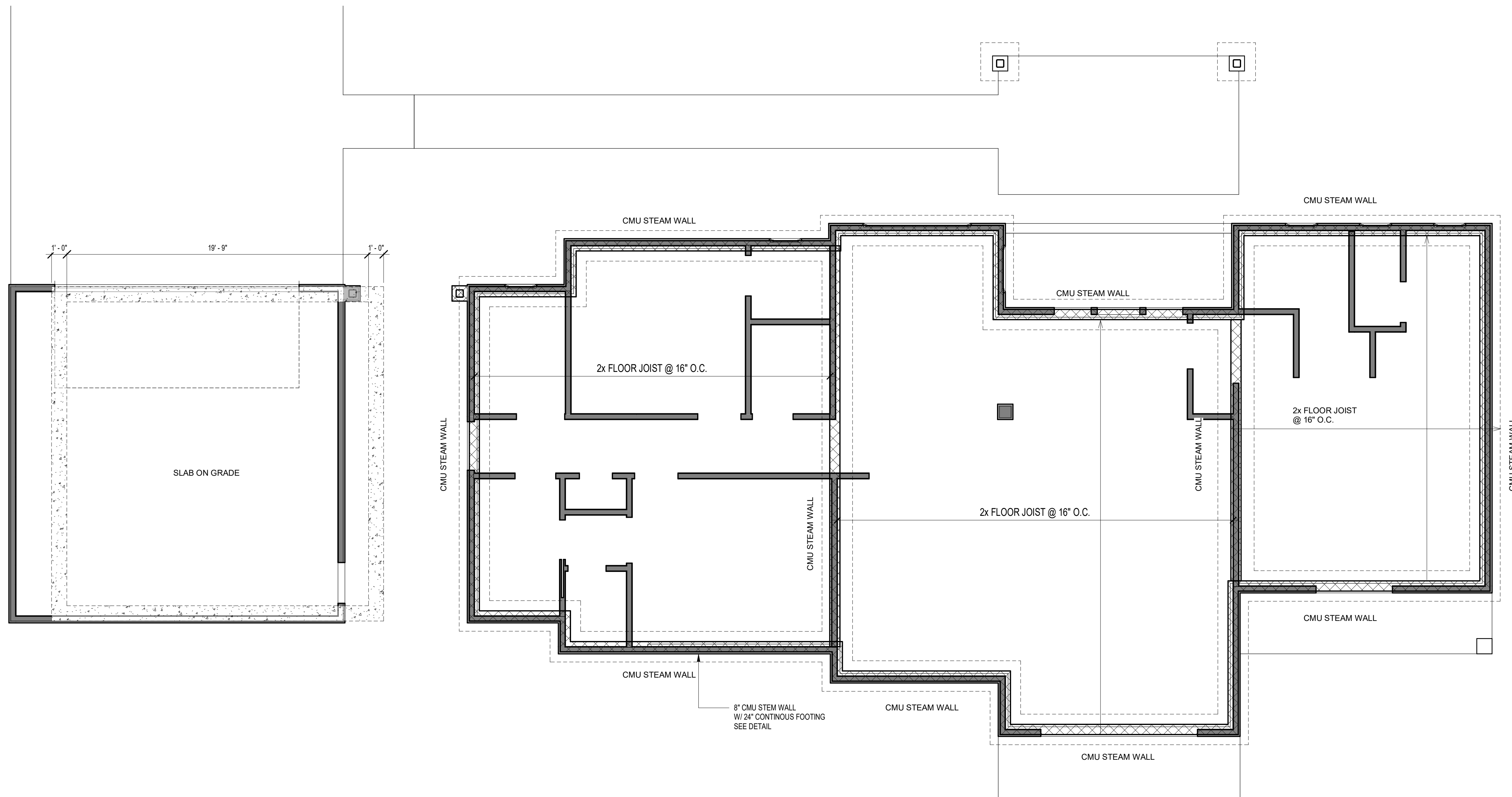
**ROOF DIAPHRAGM**  
 USE 1/2" PLYWOOD CDX W/ 6d NAILS @ 6" O.C. SUPPORTED END OF PANEL.  
 @ 12" O.C. INTERMEDIATE FRAMING NO BLOCKING. (P1=24'0")

**SHEAR WALL NOTES:**

- 1. NAILS FOR PLYWOOD AND SILL PLATE TO BE COMMON NAIL. ANY FASTENERS THAT ATTACHED TO PRESSURE TREATED WOOD SHALL BE ZMAX OR HOT-DIP GALVANIZED.
- 2. PROVIDE SOLID BLOCKING AT PLYWOOD EDGE.
- 3. NAILS AND STAPLES SHALL DRIVEN AT ALL STUDS, PLATES, AND BLOCKING
- 4. PROVIDE EDGE NAILING TO STUDS AND POSTS AT HOLDOWN LOCATIONS.
- 5. USE 2 X STUDS (DOUGLAS FIR LARCH) @ 16" O.C. AT ALL SHEAR WALLS UNLESS OTHERWISE NOTED.
- 6. ALL ANCHOR BOLTS REQUIRED APPROVED 3"x3"x1/4" THICKNESS PLATE WASHER UNDER EACH NUT. SLOTTING OF WASHER IS ALLOWED 1.75"
- 7. WHERE ANCHOR BOLTS IS MISSING, PROVIDE 5/8" THREAD ROD WITH SIMPSON SET EPOXY (ICC-ESR#1772) AND INSERT MIN. 6" INTO CONCRETE.
- 8. THERE SHALL BE A MINIMUM 2 BOLTS PER PIECE OF SHEAR WALL WITH ONE BOLT LOCATED NOT MORE THEN 12" OR LESS THAN 5" FROM EACH END OF THE PIECE OF SHEAR WALL.
- 9. 15/32" CDX PLYWOOD SHALL BE A 4 PLY PLYWOOD MINIMUM OR ICC-ESR# APPROVED EQUAL

**LEGEND:**

- PLWD: INDICATES CDX OR OSB PLYWOOD. IT SHALL HAVE AN APPROVED ICC-ESR REPORT
- 3: INDICATES 3 X FRAMING OR THICKER REQUIRED FOR ALL PLYWOOD EDGE NAILING AND SILL PLATE EXCEPT DOUBLE TOP PLATE. NAILS SHALL BE PLACED NOT LESS THAN FROM PLYWOOD PANEL EDGE AND STAGGERED. SPECIAL INSPECTION IS REQUIRED.
- B.S: INDICATES BOTH SIDES. PLYWOOD SHALL BE APPLIED TO BOTH SIDES OF A WALL
- W.S: INDICATES WOOD SCREW --- USE SIMPSON SDS 1/4X6 (6"LONG), EDGE, END AND SPACING DISTANCES SHALL BE SUFFICIENT TO PREVENT SPLITTING.
- A.B: INDICATES ANCHOR BOLT (A307) --- IT SHALL BE REQUIRED 7" MINIMUM EMBEDMENT INTO FOUNDATION. ZMAX: 1.85 ASTM A653 OR HOT-DIP GALVANIZED (ASTM A 123) HEADED BOLTS AND CONCRETE FOOTING.
- A35: INDICATES SIMPSON FRAMING ANCHOR A35. IT MAY BE SUBSTITUTED BY SIMPSON LTP5.



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

PREPARED BY:



**EVERETT SMITH  
 DESIGNS**

RIVERSIDE COUNTY, CA  
 TEL: 951-323-2187

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PROJECT:

**PROPOSED (1) STORY RESIDENCE**

REVISIONS:

No.	Description	Date

PROJECT ADDRESS:

0 McAllister  
 Riverside, Ca

CLIENT NAME:

DALE & TRISH

**FOUNDATION PLAN**

Project number 21-2083

Date 14/06/2021 10:01:00 PM

Drawn by Author

Checked by Checker

**S1**

Scale 1/4" = 1'-0"



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**FRAMING PLAN**

Project number 21-2083

Date 14/06/2021 10:01:02 PM

Drawn by Author

Checked by Checker

**S2**

Scale 1/4" = 1'-0"

14/06/2021 10:01:02 PM

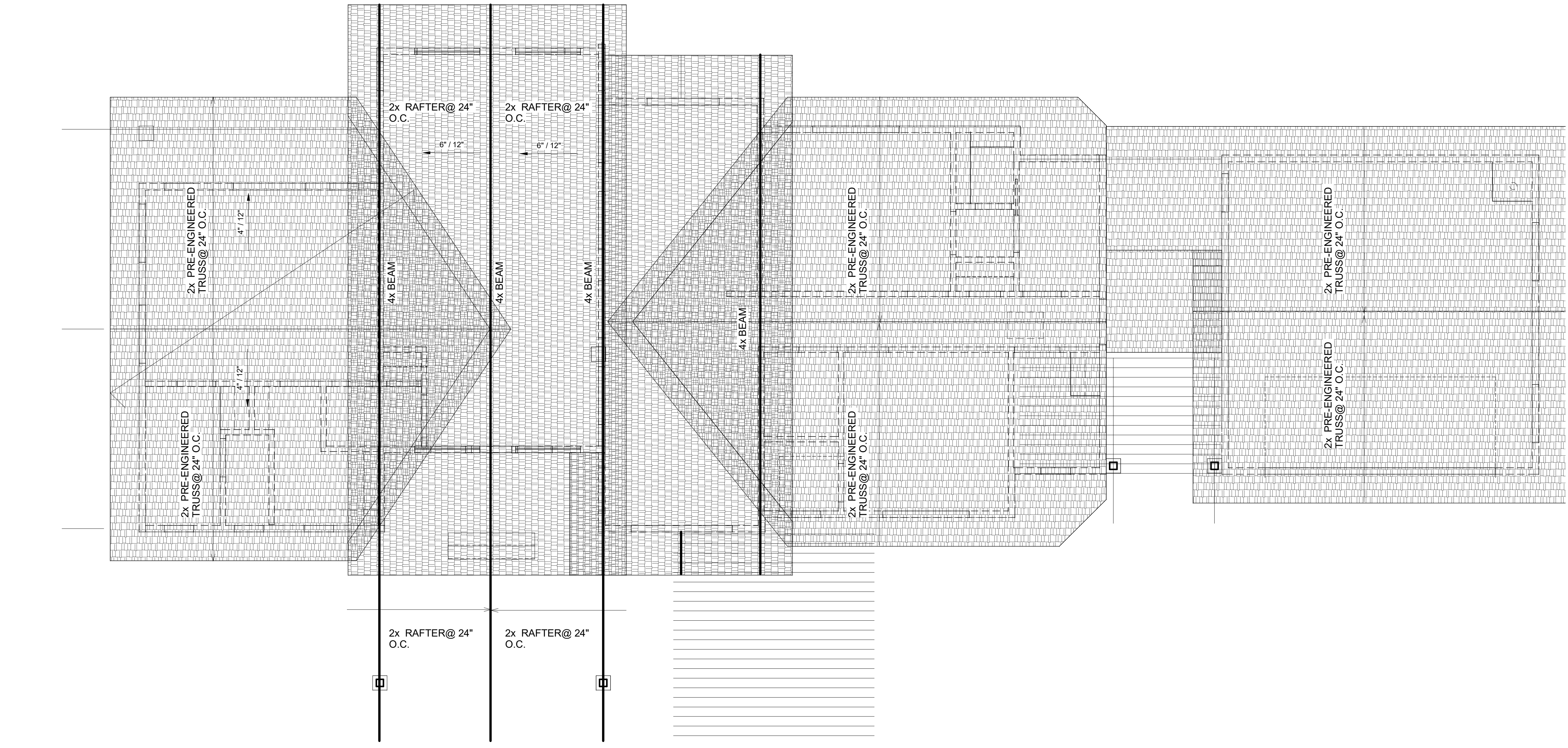
NO.	MATERIAL	B.S.	BLOCK	NAIL	EDGE	FIELD	SILL NAILING	SILL BOLTING	ALLOW	SM	
1	1/2" GYM BD.			5d	7" O.C.	7" O.C.	A35 @ 48" O.C.	16d @ 16" O.C.	5/8" A.B. @ 6'-0" O.C.	30 PLF	1
2	5/8" GYM BD.			6d	7" O.C.	7" O.C.	A35 @ 48" O.C.	16d @ 16" O.C.	5/8" A.B. @ 6'-0" O.C.	30 PLF	2
3	7/8" STUCCO			16d @ 7/8"	6" O.C.	6" O.C.	A35 @ 30" O.C.	2-16d @ 16" O.C.	5/8" A.B. @ 6'-0" O.C.	120 PLF	3
4	3/8" PLYWOOD	YES		8d	6" O.C.	12" O.C.	A35 @ 24" O.C.	2-16d @ 16" O.C.	5/8" A.B. @ 3'-0" O.C.	220 PLF	4
5	3/8" PLYWOOD	YES		8d	4" O.C.	12" O.C.	A35 @ 16" O.C.	3-16d @ 16" O.C.	5/8" A.B. @ 2'-6" O.C.	320 PLF	5
6	3/8" PLYWOOD**	YES		8d	3" O.C.	12" O.C.	A35 @ 12" O.C.	3-16d @ 16" O.C.	5/8" A.B. @ 1'-10" O.C.	410 PLF	6
7	3/8" PLYWOOD**	YES		8d	2" O.C.	12" O.C.	A35 @ 10" O.C.	3-16d @ 16" O.C.	5/8" A.B. @ 1'-6" O.C.	530 PLF	7
8	15/32" CDX PLYWOOD	YES		10d	6" O.C.	12" O.C.	A35 @ 16" O.C.	3-16d @ 16" O.C.	5/8" A.B. @ 2'-6" O.C.	310 PLF	8
9	5/32" CDX PLYWOOD**	YES		10d	4" O.C.	12" O.C.	A35 @ 12" O.C.	3-16d @ 16" O.C.	5/8" A.B. @ 1'-10" O.C.	460 PLF	9
10	5/32" CDX PLYWOOD**	YES		10d	3" O.C.	12" O.C.	A35 @ 9" O.C.	3-16d @ 16" O.C.	5/8" A.B. @ 1'-6" O.C.	600 PLF	10
11	5/32" CDX PLYWOOD**	YES		10d	2" O.C.	12" O.C.	A35 @ 7" O.C.	4-16d @ 16" O.C.	5/8" A.B. @ 1'-1" O.C.	770 PLF	11
12	5/32" CDX PLYWOOD**	YES		10d	4" O.C.	12" O.C.	A35 @ 7" O.C.	5-16d @ 16" O.C.	5/8" A.B. @ 0'-11" O.C.	920 PLF	12
13	SIMPSON STRONGWALL WITH OSB PANEL (ICC-ES ESR-2207) OR OSB/ICCC-ESR#1679). ALL INSTALLATIONS AND DETAILS PER SIMPSON RECOMMENDATIONS.										

- NOTES:**
- ◊ INDICATES SHEAR WALL TYPE AND LOCATION. REFER TO SHEAR WALL SCHEDULE FOR CONSTRUCTION REQUIREMENT AND ANCHOR BOLTS SHEAR WALL, SEE DETAIL.
  - INDICATES HEADER / BEAMS
  - INDICATES DRAG / GIRDER TRUSS
  - ↔ INDICATES SPAN & DIRECTION OF NEW ROOF RAFTERS
  - ↔ INDICATES SPAN & DIRECTION OF NEW CEILING JOISTS
  - INDICATES SIZE & SPACING OF FRMG. MEMBERS

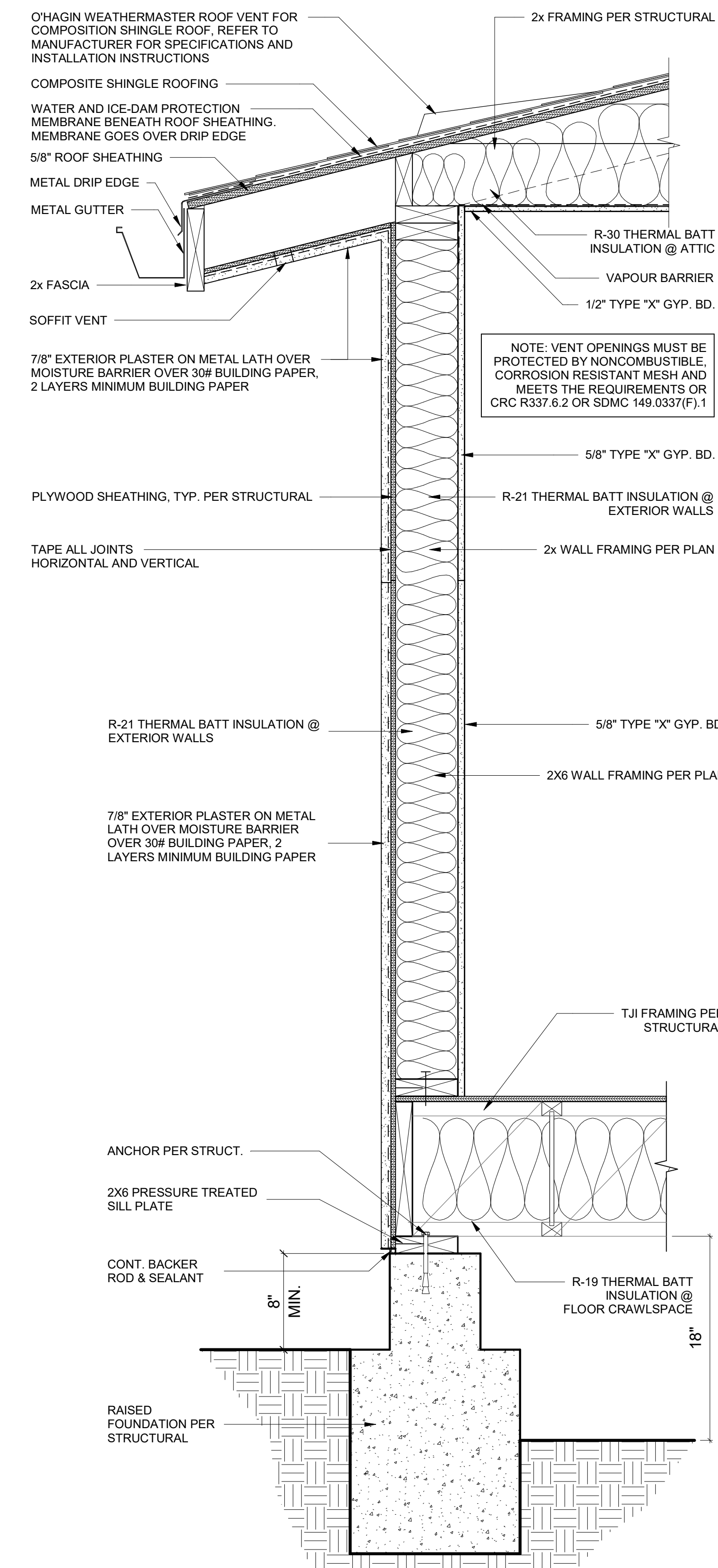
**ROOF DIAPHRAGM**  
USE 1/2" PLYWOOD CDX W/ 8d NAILS @ 6" O.C. SUPPORTED END OF PANEL @ 12" O.C. INTERMEDIATE FRAMING NO BLOCKING. (P=24.0)

- SHEAR WALL NOTES:**
- NAILS FOR PLYWOOD AND SILL PLATE TO BE COMMON NAIL. ANY FASTENERS THAT ATTACHED TO PRESSURE TREATED WOOD SHALL BE ZMAX OR HOT-DIP GALVANIZED.
  - PROVIDE SOLID BLOCKING AT PLYWOOD EDGE.
  - NAILS AND STAPLES SHALL DRIVEN AT ALL STUDS, PLATES, AND BLOCKING.
  - PROVIDE EDGE NAILING TO STUDS AND POSTS AT HOLDOWN LOCATIONS.
  - USE 2 X STUDS (DOUGLAS FIR LARCH) @ 16" O.C. AT ALL SHEAR WALLS UNLESS OTHERWISE NOTED.
  - ALL ANCHOR BOLTS REQUIRED APPROVED 3/4"x1/4" THICKNESS PLATE WASHER UNDER EACH NUT. SLOPING OF WASHER IS ALLOWED 1.75"
  - WHERE ANCHOR BOLTS IS MISSING, PROVIDE 5/8" THREAD ROD WITH SIMPSON SET EPOXY (ICC-ESR#1772) AND INSERT MIN. 6" INTO CONCRETE.
  - THERE SHALL BE A MINIMUM 2 BOLTS PER PIECE OF SHEAR WALL WITH ONE BOLT LOCATED NOT MORE THEN 12" OR LESS THAN 5" FROM EACH END OF THE PIECE OF SHEAR WALL.
  - 15/32" CDX PLYWOOD SHALL BE A 4 PLY PLYWOOD MINIMUM OR ICC-ESR# APPROVED EQUAL.

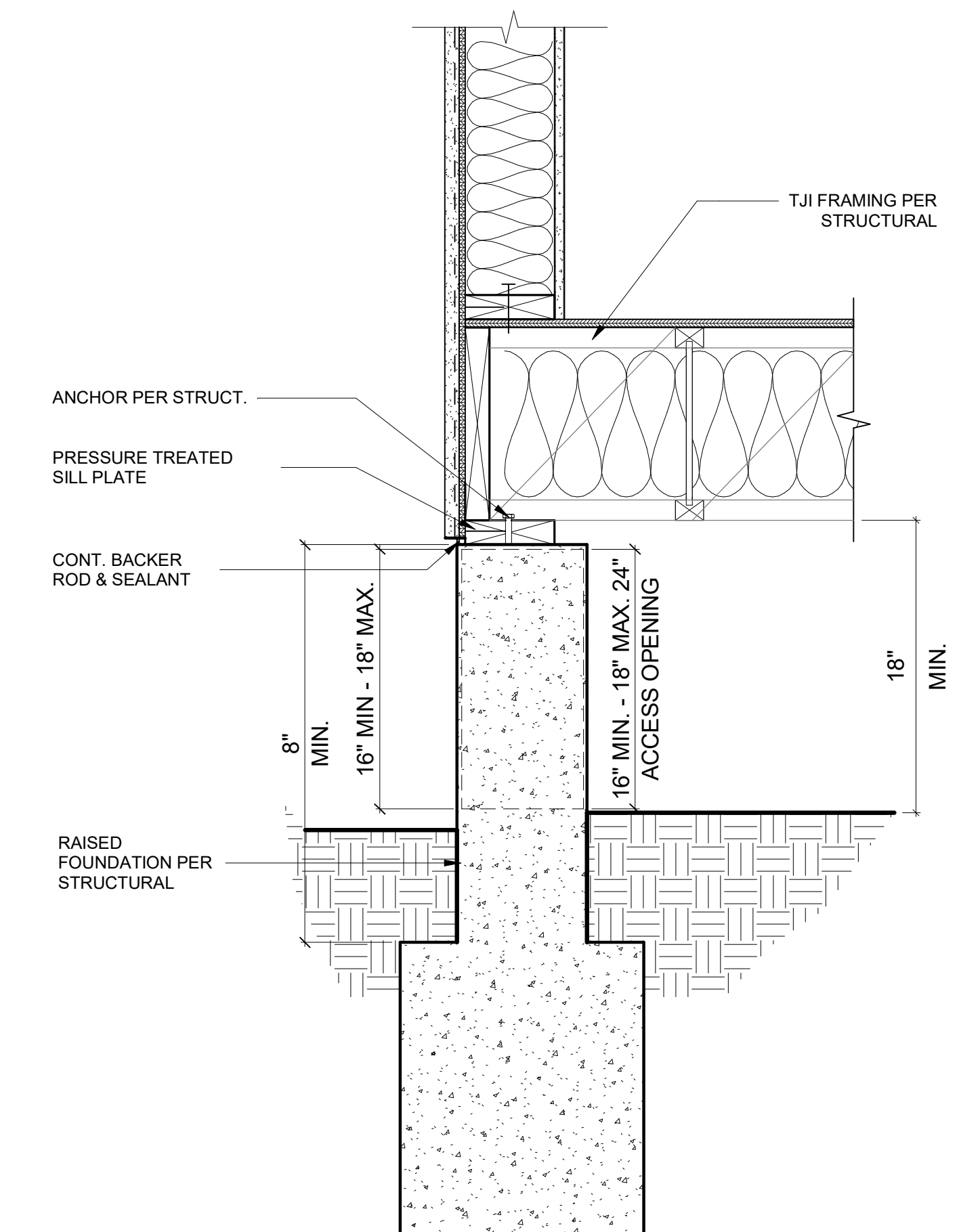
- LEGEND:**
- PLYWD: INDICATES CDX OR OSB PLYWOOD. IT SHALL HAVE AN APPROVED ICC-ESR REPORT
  - INDICATES 3 X FRAMING OR THICKER REQUIRED FOR ALL PLYWOOD EDGE NAILING AND SILL PLATE EXCEPT DOUBLE TOP PLATE. NAILS SHALL BE PLACED NOT LESS THAN FROM PLYWOOD PANEL EDGE AND STAGGERED. SPECIAL INSPECTION IS REQUIRED.
  - B.S.: INDICATES BOTH SIDES. PLYWOOD SHALL BE APPLIED TO BOTH SIDES OF A WALL
  - W.S.: INDICATES WOOD SCREW --- USE SIMPSON SDS 1/4"x6" (6" LONG). EDGE, END AND SPACING DISTANCES SHALL BE SUFFICIENT TO PREVENT SPLITTING.
  - A.B.: INDICATES ANCHOR BOLT (A307) - IT SHALL BE REQUIRED 7" MINIMUM EMBEDMENT INTO FOUNDATION CONCRETE. ZMAX: 185 ASTM A653) OR HOT-DIP GALVANIZED (ASTM A 123) HEADED BOLTS AND
  - A35: INDICATES SIMPSON FRAMING ANCHOR A35. IT MAY BE SUBSTITUTED BY SIMPSON LTP5.



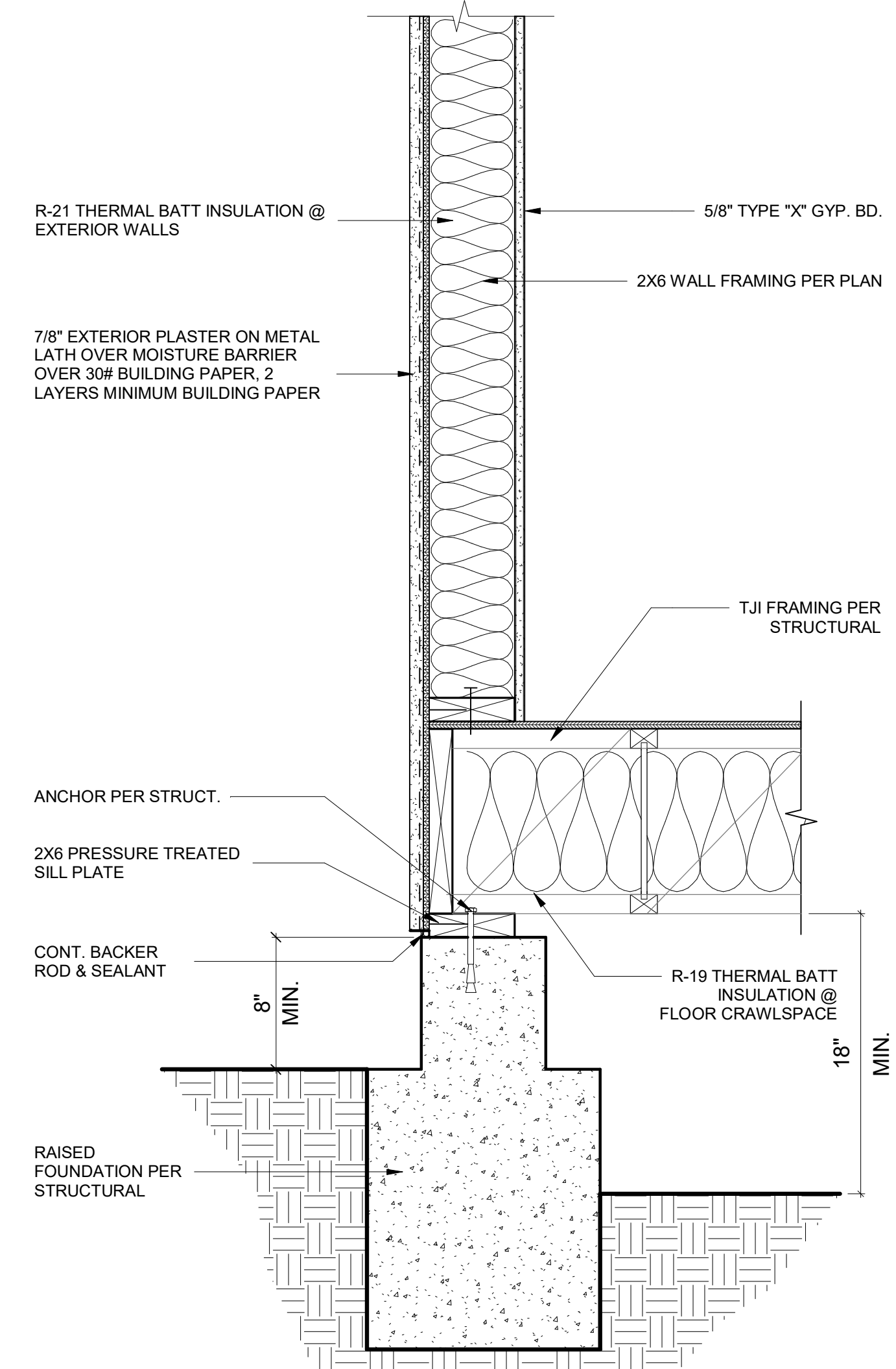
1 ROOF FRAMING  
1/4" = 1'-0"



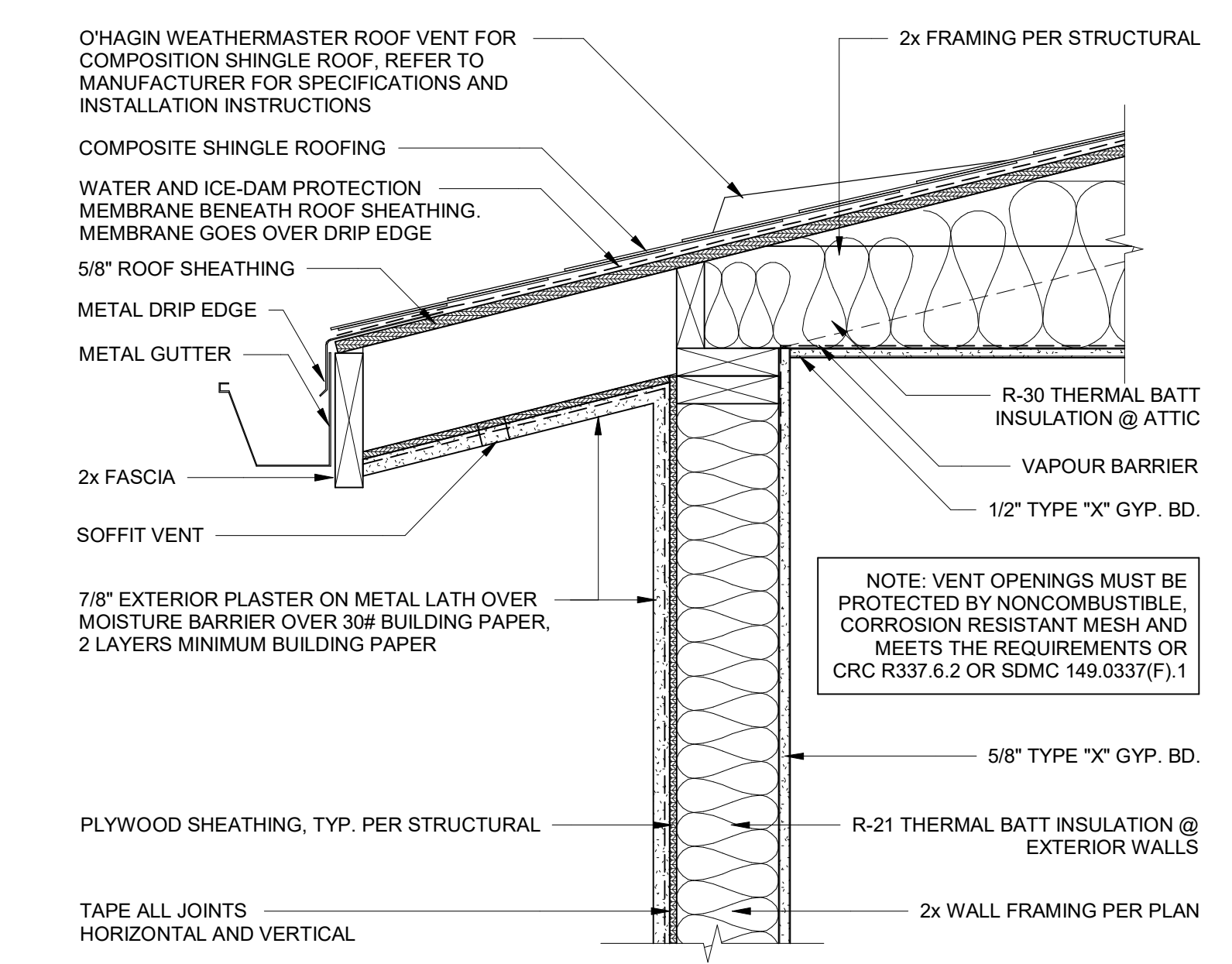
1 LOAD PATH DETAIL  
1 1/2" = 1'-0"



3 TYPICAL UNDER-FLOOR ACCESS @ RAISED FOUNDATION / TYPICAL UNDER FLOOR VENTILATION  
1 1/2" = 1'-0"



4 WALL SECTION @ AT RAISED FOUNDATION  
1 1/2" = 1'-0"



2 ROOF EAVE DETAIL  
1 1/2" = 1'-0"

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**SD1**

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