



## Craftsman



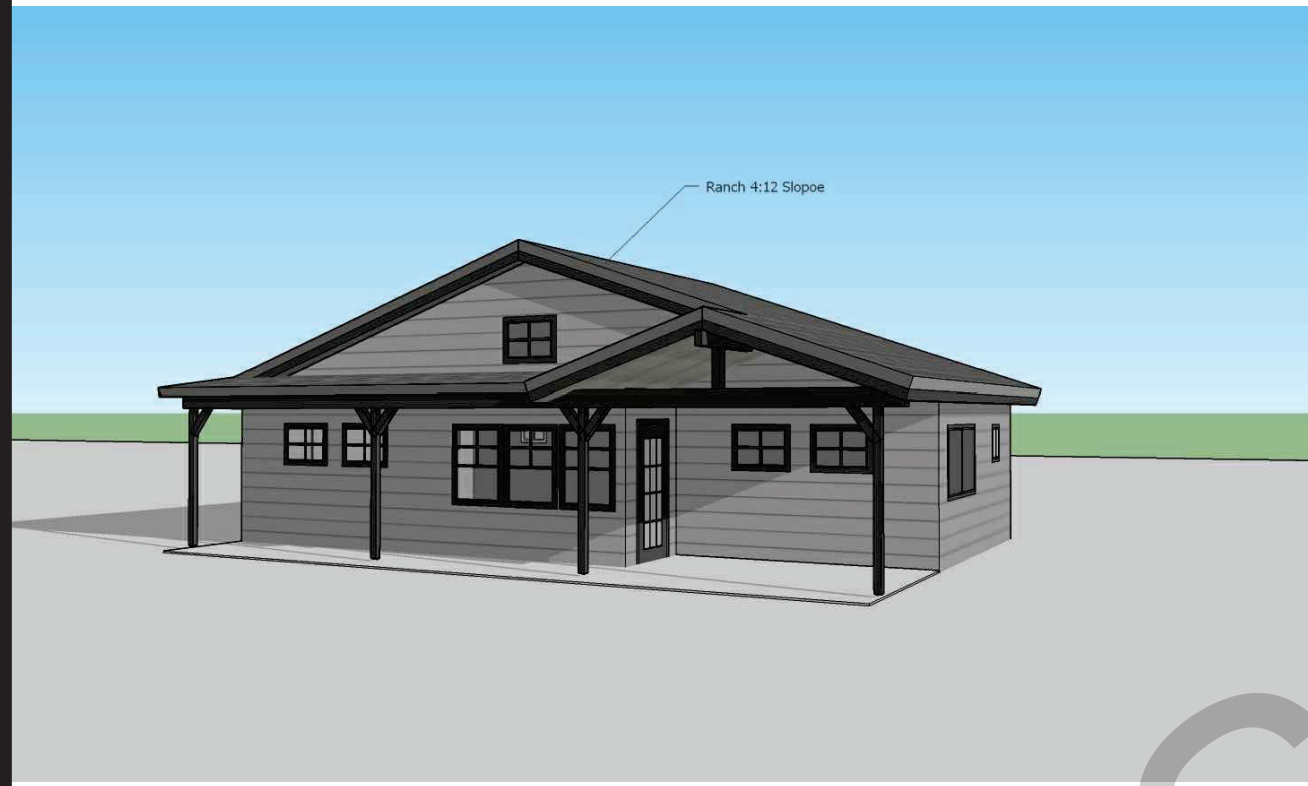
2 Bedroom -Craftsman view #1

## Midcentury



2 Bedroom -Midcentury view #1

## Ranch

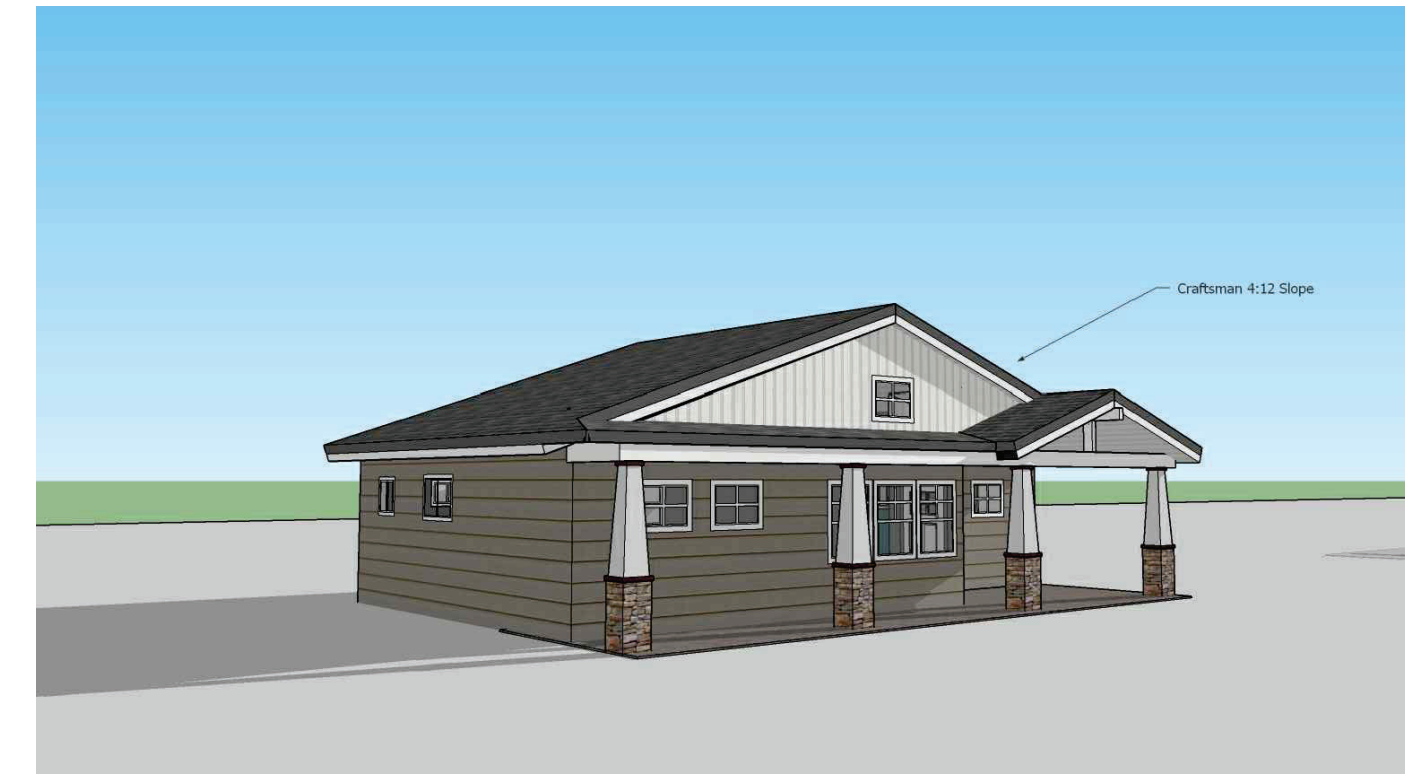


2 Bedroom -Ranch view #1

## Spanish



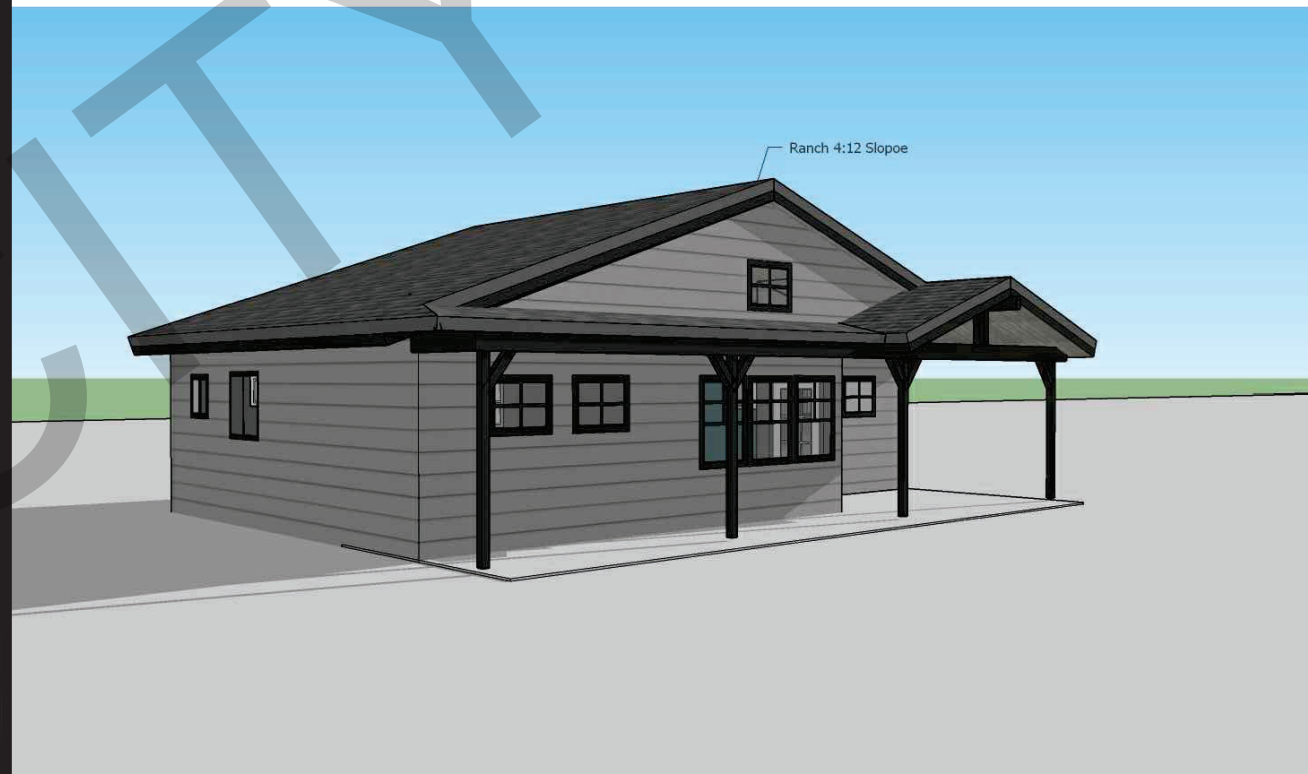
2 Bedroom -Spanish view #1



2 Bedroom -Craftsman view #2



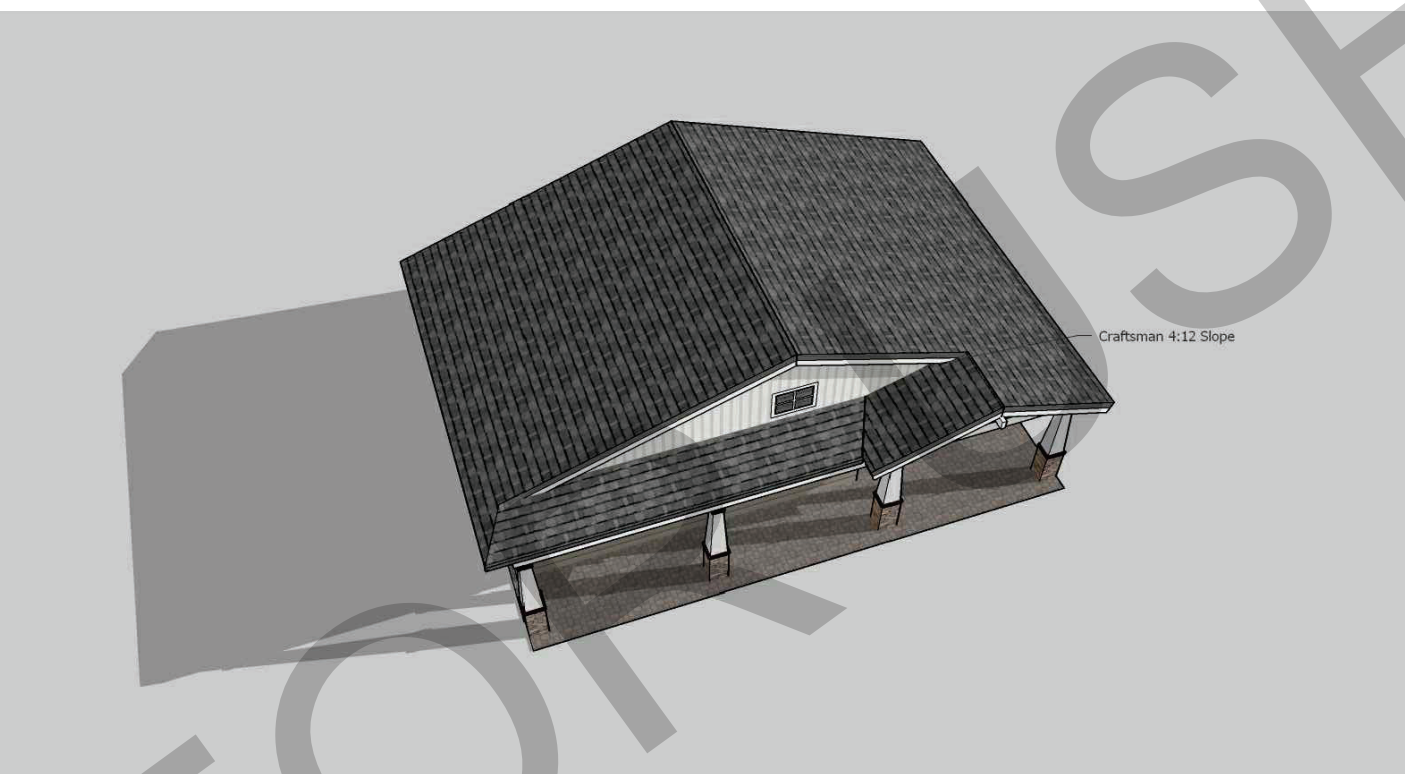
2 Bedroom -Midcentury view #2



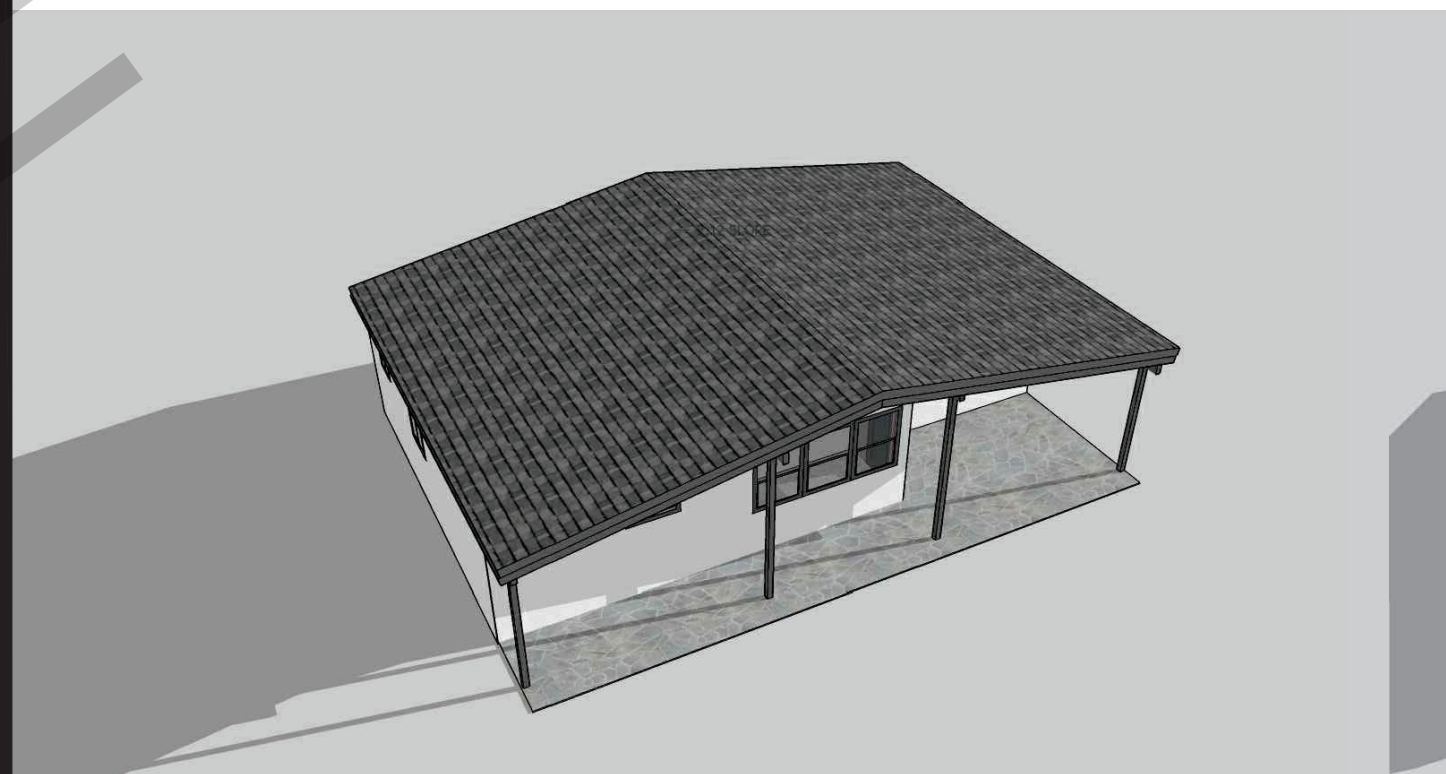
2 Bedroom -Ranch view #2



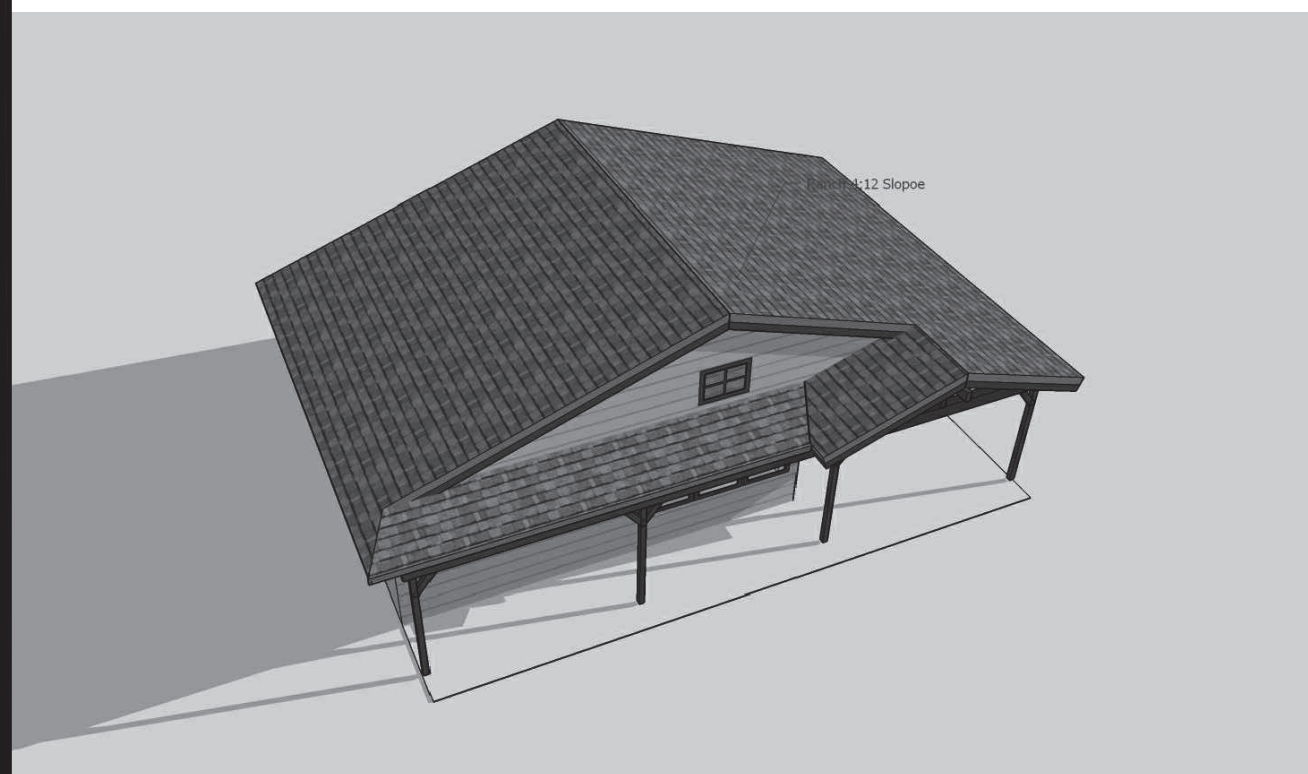
2 Bedroom -Spanish view #2



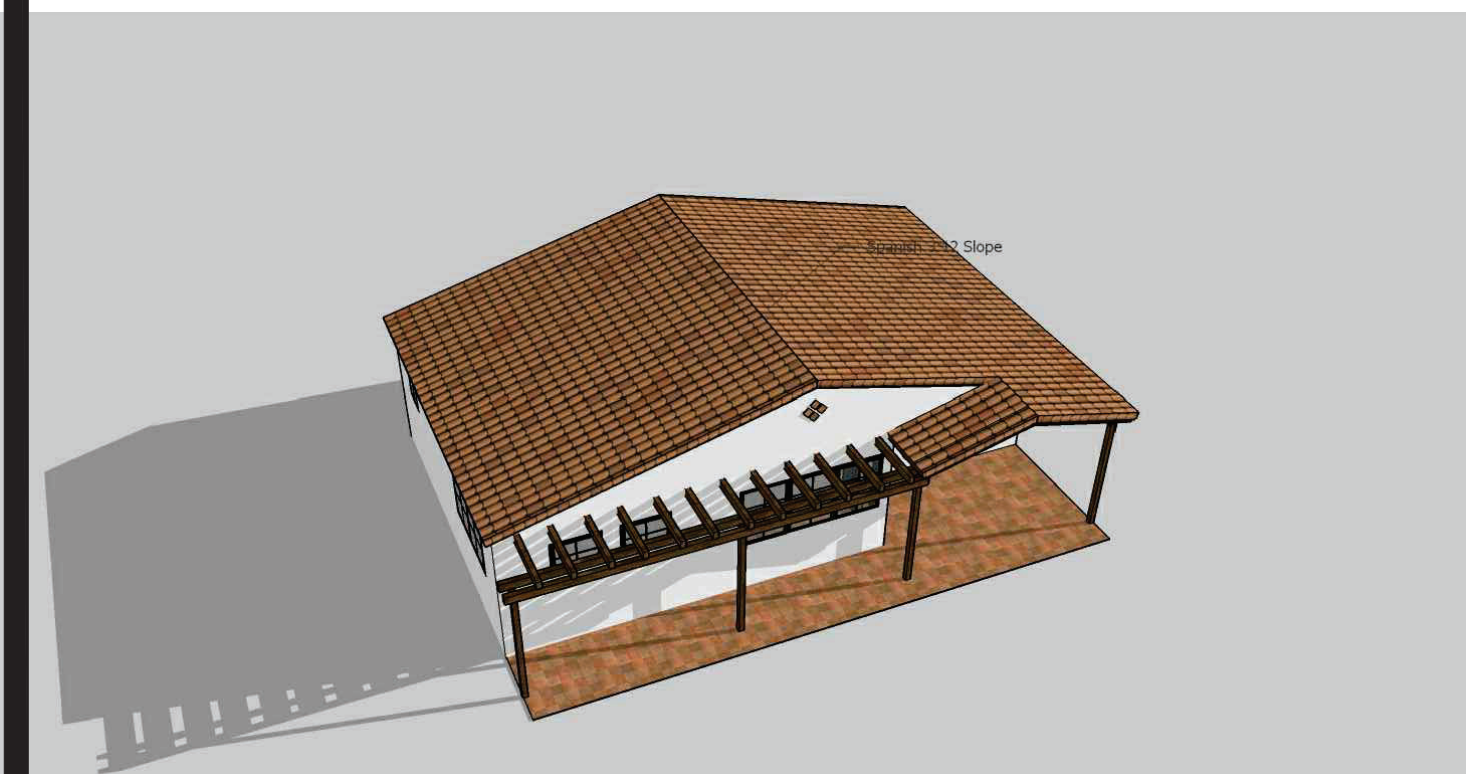
2 Bedroom -Craftsman view #3



2 Bedroom -Midcentury view #3



2 Bedroom -Ranch view #3



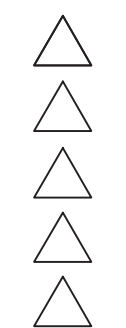
2 Bedroom -Spanish view #3

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project  
City of Soledad  
Pre-Approved ADU  
Plans

revisions



description  
Exterior  
Style  
Options  
Plan 2A

date 02-08-2023

project no.

drawn by

sheet no.

T1.2

CONSTRUCTION

SEDIMENT FROM EXCAVATION AND OTHER CONSTRUCTION PROJECTS IS THE MOST COMMON POLLUTANT WASHED FROM WORK SITES. SEDIMENT ENTERING THE WATERWAYS THROUGH STORM DRAINS HARMS AQUATIC LIFE AND DISRUPTS THE FOOD CHAIN UPON WHICH BOTH FISH AND PEOPLE DEPEND.

EROSION CONTROL GENERAL PRACTICES

- KEEP ALL CONSTRUCTION DEBRIS AWAY FROM THE STREET, GUTTER AND STORM DRAIN. LOOK FOR AND CLEAN UP MATERIAL THAT MAY HAVE TRAVELED AWAY FROM YOUR PROPERTY.

- KEEP MATERIALS OUT OF THE RAIN BY STORING THEM INDOORS OR OUTDOORS WITH A SECURE ROOF OR PLASTIC SHEETING.

- SCHEDULE GRADING AND EXCAVATION PROJECTS FOR DRY WEATHER.

- COVER EXCAVATED MATERIAL AND STOCKPILES OF ASPHALT AND SAND WITH PLASTIC TARPS.

- PREVENT EROSION BY PLANTING FAST-GROWING ANNUAL AND PERENNIAL GRASSES. THESE WILL SHIELD AND BIND SOIL.

RECYCLING & HAZARDOUS WASTE DISPOSAL:  
SUN STREET TRANSFER STATION  
SALINAS VALLEY SOLID WASTE AUTHORITY  
(831) 424-5520  
139 SUN STREET  
SALINAS, 93901

TO REPORT A SPILL, ILLEGAL DUMPING OR A CLOGGED STORM DRAIN CALL:  
(831) 223-5176  
CITY OF SOLEDAD  
DEPARTMENT OF PUBLIC WORKS  
MAINTENANCE DIVISION

FOR MORE INFORMATION ABOUT STORM DRAIN PROTECTION CONTACT PUBLIC WORKS DEPARTMENT

WATER POLLUTION PREVENTION

ONLY "RAIN" IS ALLOWED IN OUR STORM DRAIN SYSTEM. RAIN, INDUSTRIAL AND HOUSEHOLD WATER MIXED WITH URBAN POLLUTANTS CREATES STORMWATER POLLUTION. THE POLLUTANTS INCLUDE:

URBAN RUNOFF POLLUTION (OIL AND OTHER AUTOMOTIVE FLUIDS, PAINT AND CONSTRUCTION DEBRIS, YARD AND PET WASTES, PESTICIDES AND LITTER).

- FLOWS THROUGH THE STORM DRAIN TO THE SALINAS RIVER AND THE RECLAMATION DITCH THAT TAKES WATER AND DEBRIS STRAIGHT FROM SALINAS STREETS TO THE MONTEREY BAY MARINE SANCTUARY.

- CONTAMINATES OUR RIVERS AND DITCHES, HARMS AQUATIC LIFE AND INCREASES THE RISK OF FLOODING BY CLOGGING GUTTERS AND CATCH BASINS.

- OIL AND GREASE. FOR EXAMPLE, CLOG FISH GILLS AND BLOCK OXYGEN FROM ENTERING THE WATER. IF OXYGEN LEVELS IN THE WATER BECOME TOO LOW, AQUATIC ANIMALS MAY BE HARMED AND/OR DIE.

HOUSEHOLD HAZARDOUS WASTE DISPOSAL

- HOUSEHOLD TOXICS—SUCH AS COMMON HOUSEHOLD CLEANERS, PAINT PRODUCTS AND MOTOR OIL—CAN POLLUTE OUR RIVERS AND POISON THE GROUNDWATER IF NOT DISPOSED OF AS HAZARDOUS WASTE.

- TAKE YOUR HOUSEHOLD CHEMICALS AND TOXICS TO THE LOCAL HOUSEHOLD HAZARDOUS WASTE FACILITY.

CONCRETE & MASONRY

FRESH CONCRETE AND MORTAR APPLICATION MATERIALS CAN WASH DOWN OR BLOW INTO THE STREET, GUTTER OR STORM DRAIN.

- DO NOT MIX UP MORE FRESH CONCRETE OR CEMENT THAN YOU WILL USE.

- STORE BAGS OF CEMENT AND PLASTER UNDER COVER. PROTECT THESE MATERIALS FROM RAINFALL, RUNOFF AND WIND, AWAY FROM GUTTERS AND STORM DRAINS.

- NEVER DISPOSE OF CEMENT WASHOUT OR CONCRETE DUST ONTO DRIVEWAYS, STREETS, GUTTERS OR STORM DRAINS.

PAINTING

PAINTS AND SOLVENTS CONTAIN CHEMICALS THAT ARE HARMFUL TO AQUATIC LIFE. TOXIC CHEMICALS CAN COME FROM LIQUID OR SOLID PRODUCTS OR FROM CLEANING RESIDUES ON RAGS. IT IS ESPECIALLY IMPORTANT TO PREVENT THESE CHEMICALS FROM ENTERING STORM DRAINS.

PAINT CLEANUP

- NEVER CLEAN BRUSHES OR RINSE PAINT CONTAINERS INTO A STREET, GUTTER OR STORM DRAIN.

- FOR OIL-BASED PAINTS, PAINT OUT BRUSHES TO THE EXTENT POSSIBLE. CLEAN WITH THINNER AND THEN FILTER AND REUSE THINNER.

- FOR WATER-BASED PAINTS, PAINT OUT BRUSHES TO THE EXTENT POSSIBLE, THEN RINSE IN THE SINK.

- WHEN THOROUGHLY DRY, USED BRUSHES, EMPTY PAINT CANS (LIDS OFF), RAGS AND DROP CLOTHS MAY BE DISPOSED OF AS TRASH.

PAINT REMOVAL

- CHEMICAL PAINT STRIPPING RESIDUE, INCLUDING SATURATED RAGS, IS A HAZARDOUS WASTE AND SHOULD BE TAKEN TO A HOUSEHOLD HAZARDOUS WASTE COLLECTION EVENT.

- CHIPS AND DUST FROM MARINE PAINTS OR PAINTS CONTAINING LEAD OR TRIBUTYL TIN ARE ALSO HAZARDOUS WASTES. SWEEP THEM UP AND SAVE THEM FOR A HAZARDOUS WASTE COLLECTION EVENT.

PAINT RECYCLING

- REUSE LEFTOVER PAINT FOR TOUCH-UPS OR RECYCLE IT AT A LOCAL HOUSEHOLD HAZARDOUS WASTE COLLECTION EVENT.

LANDSCAPING & GARDENING

- INTENSIVE GARDENING AND LANDSCAPING INCREASE THE LIKELIHOOD THAT GARDEN CHEMICALS AND SOIL WILL WASH INTO STORM DRAINS. PESTICIDES AND HERBICIDES NOT ONLY KILL GARDEN INVADERS, THEY ALSO HARM INSECTS, POISON FISH AND CONTAMINATE GROUND AND RIVER WATER.

- USE ORGANIC OR NON-TOXIC FERTILIZERS AND PESTICIDES. DO NOT FERTILIZE OR USE GUTTERS OR STORM DRAINS.

- STORE PESTICIDES, FERTILIZERS AND CHEMICALS IN A COVERED AREA TO PREVENT RUNOFF.

- DO NOT BLOW, SWEEP, HOSE OR RAKE LEAVES INTO THE STREET, GUTTER OR STORM DRAIN.

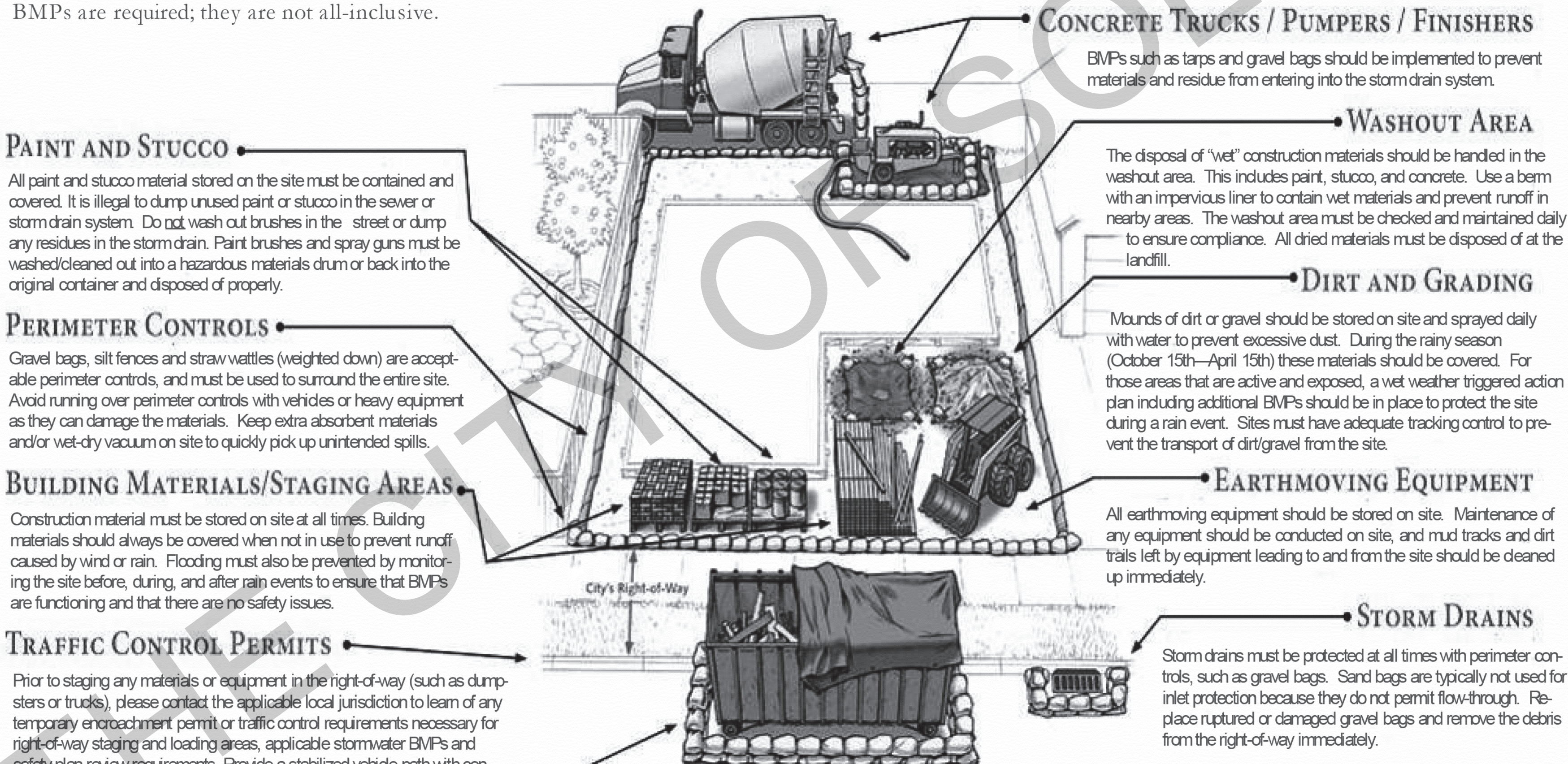
- PLACE CLIPPINGS AND PRUNING WASTE IN APPROVED CONTAINERS FOR PICK UP.

- CONSERVE WATER BY USING DRIP IRRIGATION, SOAKER HOSES OR MICRO-SPRAY SYSTEMS.

# CONSTRUCTION SITE BEST MANAGEMENT PRACTICES

THE FOLLOWING BMPs MUST BE PROPERLY USED AT ALL CONSTRUCTION SITES TO PROTECT STORM DRAINS AND MINIMIZE POLLU-

The City of Soledad Stormwater Management Program prohibits pollutant discharges at work sites from flowing into storm drains and polluting neighborhood creeks, rivers, and the ocean. To comply with the law and keep your project on schedule, make sure proper BMPs are in place and functioning. Sites must be checked and maintained daily. The following BMPs are required; they are not all-inclusive.



Protecting water resources improves and preserves quality of life for our children and future generations.

Questions? Contact the City of Soledad Public Works Department  
831-223-5176

Photo courtesy of the City of San Diego

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description

Site & BMP Information

date 02-08-2023

project no.

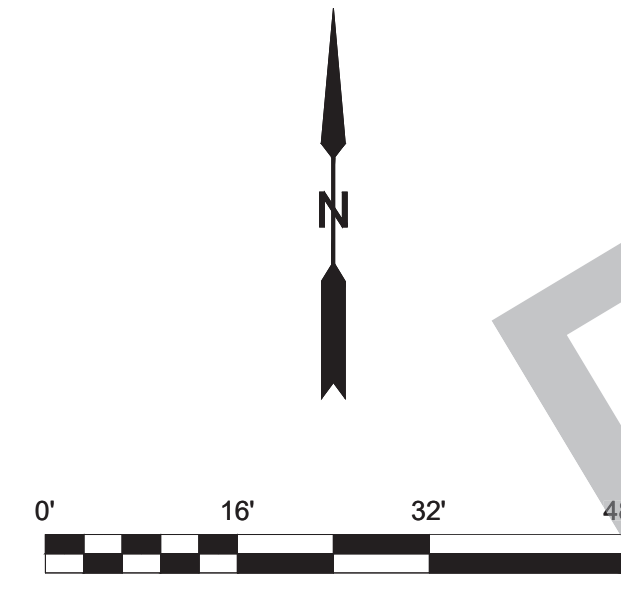
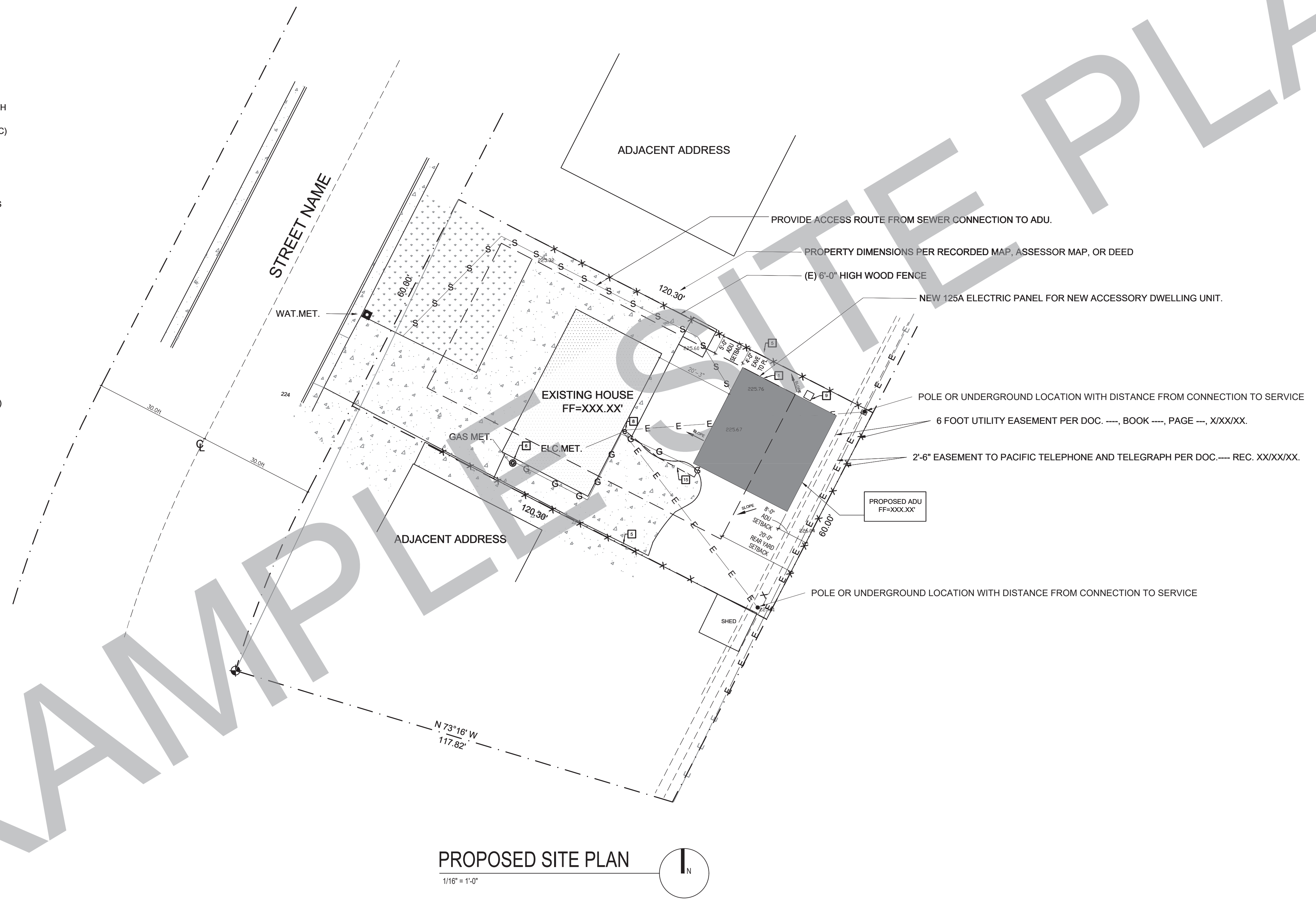
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GENERAL NOTES	DIVISION 2 - SITEWORK
<ol style="list-style-type: none"> <li>1. SEE BUILDING PLANS FOR ALL OTHER DIMENSIONS AND NOTES NOT SHOWN.</li> <li>2. SEE BUILDING PLANS AND SCHEDULES FOR ALL EXTERIOR DOOR AND WINDOW REFERENCES AND LOCATIONS.</li> <li>3. YARD SETBACKS ARE TO BE MEASURED FROM THE EXTERIOR WALL FINISH TO THE PROPERTY LINE AND NOT FROM THE OUTSIDE OF THE FOOTING (OR FACE OF STUCCO). THE PLANS MUST BE DESIGNED WITH THE WALL FINISH THICKNESS (I.E. 7/8" STUCCO, ETC.) ADDED TO THE PLAN FOR THE SETBACK MEASUREMENT. THE FIELD INSPECTOR WILL ADD THE PLANNED WALL FINISH THICKNESS TO THE FOUNDATION SETBACK.</li> <li>4. NEW ELECTRIC SERVICE IS TO BE LOCATED - POOLS, SPAS, WALLS, FENCES, PATIO COVERS AND OTHER FREESTANDING STRUCTURES REQUIRE SEPARATE REVIEWS AND PERMITS.</li> <li>5. LANDSCAPE AND IRRIGATION WATER USE SHALL HAVE WEATHER OR SOIL BASED CONTROLLERS NOT USED.</li> <li>6. CAL-OSHA PERMIT IS REQUIRED FOR EXCAVATIONS DEEPER THAN 6" AND SHORING AND UNDERPINNING.</li> <li>7. A DIMENSIONED SITE PLAN DRAWN TO SCALE SHALL BE PROVIDED SHOWING THE FOLLOWING:                     <ol style="list-style-type: none"> <li>9. NORTH ARROW, PROPERTY LINES, EASEMENTS, STREETS, EXISTING AND PROPOSED BUILDINGS, AND STRUCTURES, LOCATION OF YARDS USED FOR ALLOWABLE INCREASE OF BUILDING AREA, DIMENSIONED SETBACKS, MINIMUM SEPARATION FROM EXISTING STRUCTURES AND FUEL MODIFICATION ZONES PER UNIFORM ADMINISTRATIVE CODE SECTION 302.</li> <li>10. IF A GRADING PLAN IS REQUIRED, INCORPORATE THE ENTIRE APPROVED GRADING PLAN IMPROVEMENT PLAN (ALL SHEETS) WITH THE BUILDING PLANS. PROJECTIONS, INCLUDING EAVES, MUST BE AT LEAST 24" FROM PROPERTY LINES.</li> <li>11. NEW RESIDENTIAL DEVELOPMENTS WITH AGGREGATE LANDSCAPE AREA EQUAL TO OR GREATER THAN 500 SQ FT SHALL COMPLY WITH THE MODERN WATER EFFICIENT LANDSCAPE ORDINANCE.</li> <li>12. ANNUAL SPACES AROUND PIPES, ELECTRIC CABLES, CONDUITS OR OTHER OPENINGS IN PLATES AT EXTERIOR WALLS SHALL BE PROTECTED AGAINST THE PASSAGE OF RODENTS BY CLOSING SUCH WITH CEMENT MORTAR, CONCRETE MASONRY OR SIMILAR METHOD ACCEPTABLE TO THE ENFORCING AGENCY.</li> </ol> </li> </ol>	<ol style="list-style-type: none"> <li>1. SITE PREPARATION PROJECT IS TO BE STAKED OUT FOR OWNER APPROVAL BEFORE FOR EARTHWORK IS TO BEGIN.</li> <li>2. SITE CLEARING OWNER/CONTRACTOR WILL VERIFY ALL PLANTING TO BE REMOVED PRIOR TO STARTING WORK.</li> <li>3. LINES AND LEVELS THE CONTRACTOR WILL VISIT THE SITE AND EVALUATE GRADE CONDITION. FOR BIDDING PURPOSES, THE OWNER/CONTRACTOR WILL CALCULATE HIS OWN CUT AND FILL QUANTITIES BASED ON THE SITE PLAN.</li> <li>4. SHORING IS TO BE PROVIDED AS REQUIRED</li> <li>5. EARTH WORK                     <ol style="list-style-type: none"> <li>a. REMOVE AND RECOMPACT LOOSE TOPSOIL AND SLIGHTLY ALTER THE EXISTING TOPOGRAPHY. ALL GRADING SHOULD BE PERFORMED IN ACCORDANCE WITH THE CITY OF SOLEDAD GRADING ORDINANCE</li> <li>b. THE OWNER/CONTRACTOR IS TO VERIFY THE LOCATION OF UTILITY SERVICE IN THE AREA PRIOR TO EXCAVATION.</li> </ol> </li> <li>6. UNLESS OTHERWISE INDICATED ON THE DRAWINGS, ALL FINISH GRADES ARE TO SLOPE AWAY FROM THE BUILDING AND EXTERIOR PAVING 1/4" PER FOOT MINIMUM FOR A MINIMUM DISTANCE OF 5'-0". LOT DRAINAGE TO AVOID POOLING AT BUILDING.</li> </ol>

# SITE INFORMATION CHECKLIST:

- X TO BE INCLUDED ON SITE PLAN**
- ALL EXTERIOR SITE BOUNDARIES CORRECTLY SCALED AND DIMENSIONED
  - NORTH ARROW
  - SCALE OF PLANS, GRAPHIC AND WRITTEN
  - LEGEND OF SYMBOLS, LINES, ABBREVIATIONS, ETC. USED ON PLANS
  - SITE CONTOURS, GRADE ELEVATIONS, AND OTHER TOPOGRAPHIC FEATURES
  - LOCATION AND DIMENSION OF ALL DRIVEWAY, ACCESS ROADS, AND CURB CUTS
  - SHOW FIRE ACCESS ROADS / DRIVEWAY - MAX FIRE HOSE PULL OF 150 FT LENGTH
  - LOCATION AND DIMENSIONS OF ALL EASEMENTS (ELECTRIC, WATER, SEWER, ETC)
  - REQUIRED AND PROPOSED BUILDING SETBACKS
  - LOCATION OF EXISTING AND PROPOSED BUILDINGS AND STRUCTURES
  - DISTANCE OF ALL STRUCTURES FROM EACH OTHER AND FROM PROPERTY LINES
  - LOCATION AND HEIGHT OF ALL FENCES AND RETAINING WALLS
  - LOCATION AND SIZE OF OFF-STREET PARKING
  - LOCATION OF EXISTING AND PROPOSED VEGETATION
  - LOCATION OF EXISTING AND PROPOSED UTILITIES TO NEW ADU
  - LOCATION OF EXISTING AND NEW UTILITIES (SEWER LATERAL CLEANOUTS, GAS LINES, ELECTRICAL OVERHEAD, OR UNDERGROUND CONDUCTORS.)
  - NEW SEWER LATERAL SERVING THE NEW ADU. REFER TO CPC 311.1
  - ADU SEWER LINE CANNOT BE CONNECTED DIRECTLY TO THE EXISTING MAIN DWELLING UNIT EXCEPT AS SPECIFIED IN GOVERNMENT CODE SECTION 65852.2
  - LOCATION OF EXISTING AND NEW METER LOCATIONS (GAS, ELECTRICAL, WATER.)
  - SITE PLAN SIGNED BY PREPARER.
  - PROVIDE A PHOTO FROM THE STREET OF THE EXISTING MAIN DWELLING.



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- City of Soledad  
Pre-Approved ADU  
Plans
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description

Example  
Site Plan

date 02-08-2023

project no.

drawn by

sheet no.

AS.2

KEYNOTES	GENERAL NOTES	LEGEND	LOT SIZE & IMPERVIOUS AREA	GRADING INFORMATION:
<p>1 LINE OF EXTERIOR WALL, TYP.</p> <p>2 LINE OF ROOF OVERHANG / DECK / AWNING / STRUCTURE ABOVE</p> <p>3 REQUIRED SETBACKS</p> <p>4 PROPERTY LINE, TYP.</p> <p>5 FENCE- HEIGHT PER PLAN</p> <p>6 EXISTING GAS METER</p> <p>7 EXISTING WATER METER</p> <p>8 EXISTING ELECTRIC METER.</p> <p>9 CONDENSING UNIT</p> <p>10 SURFACE WATER IS TO DRAIN AWAY FROM BUILDING. GRADE SHALL FALL A MIN. OF 6" WITHIN THE FIRST 10 FEET</p> <p>11 FEEDER TO EXTEND TO EXISTING PANEL</p>	<p>1. SPOT DIMENSIONS INDICATE ESTIMATED GRADE HEIGHTS. VERIFY IN FIELD PRIOR TO CONSTRUCTION.</p> <p>2. SEE BUILDING PLANS FOR ALL OTHER DIMENSIONS AND NOTES NOT SHOWN.</p> <p>3. SEE BUILDING PLANS AND SCHEDULES FOR ALL EXTERIOR DOOR AND WINDOW REFERENCES AND LOCATIONS.</p> <p>4. YARD SETBACKS ARE TO BE MEASURED FROM THE EXTERIOR WALL FINISH TO THE PROPERTY LINE AND NOT FROM THE OUTSIDE OF THE FOOTING (OR FACE OF STUDS).</p> <p>5. OWNER/CONTRACTOR TO REVIEW PLANS TO AVOID CONFLICTS WITH UTILITIES, I.E. METER LOCATIONS, ELECTRIC TRANSFORMER, BACKFLOW PREVENTERS, SEWER LINES AND ELECTRIC CONDUIT (POLE LIGHTNING AT DRIVEWAY), ETC.</p> <p>6. OWNER/CONTRACTOR TO VERIFY ALL CONDITIONS AND UTILITY LOCATIONS AND IS RESPONSIBLE FOR LOCATING UTILITIES NOT SHOWN ON THE DRAWINGS</p> <p>7. OWNER/CONTRACTOR TO AVOID DISTURBING OR DAMAGING EXISTING UTILITIES</p> <p>8. CALL BEFORE YOU DIG OR CAUSE ANY GROUND DISTURBANCES</p>	<p>0.00' SPOT GRADE ELEVATION</p> <p>AREA OF NEW BUILDING FOOTPRINT</p> <p>AREA OF EXISTING BUILDING FOOTPRINT</p> <p>1 KEYNOTE</p> <p>PROPERTY LINE</p> <p>REQUIRED SETBACKS</p> <p>DRAINAGE PATTERN</p> <p>EXISTING CONTOURS</p> <p>NEW SEWER LINE</p> <p>NEW DOMESTIC WATER LINE</p> <p>NEW ELECTRICAL &amp; TEL DATA LINE</p> <p>NEW GAS LINE</p> <p>NEW OR EXISTING FENCE TO COMPLY WITH ZONING CODE SECTION 37-50.090</p>	<p>TOTAL LOT SIZE: (EXISTING BUILDING FOOTPRINT, PATIO, DECKS, HARDSCAPE, ETC.)</p> <p>TOTAL AREA OF EXISTING IMPERVIOUS SURFACES: (EXISTING BUILDING FOOTPRINT, PATIO, DECKS, HARDSCAPE, ETC.)</p> <p>TOTAL AREA OF NEW IMPERVIOUS SURFACES: (INCREASE TO BUILDING FOOTPRINT, PATIO, DECKS, HARDSCAPE, ETC.)</p> <p>TOTAL AREA OF REPLACES IMPERVIOUS SURFACES: (REPLACEMENT TO BUILDING FOOTPRINT, PATIO, DECKS, HARDSCAPE, ETC.)</p>	<p>TOTAL CUBIC YARD OF EARTHWORK = _____</p> <p>TOTAL FILL MATERIAL PLACED ON AN EXISTING SLOPE STEEPER THAN FIVE UNITS HORIZONTAL TO ONE VERTICAL = _____</p> <p>TOTAL CUT OR FILL MATERIAL EXCEEDING FOUR FEET IN VERTICAL DEPTH, MEASURED FROM THE EXISTING GROUND SURFACE = _____</p>



**FIRE SPRINKLER NOTES**

1. IF FIRE SPRINKLERS ARE REQUIRED AT PROPOSED ADU THEN THE FOLLOWING NOTES APPLY.
2. AUTOMATIC FIRE SPRINKLER SYSTEM - AN AUTOMATIC FIRE SPRINKLER SYSTEM SHALL BE INSTALLED AS PER NFPA 13D THE MOST CURRENT EDITION. DETAILED SPRINKLER PLANS SHALL BE SUBMITTED TO THE FIRE PREVENTION BUREAU AND APPROVED PRIOR TO INSTALLATION. PLANS AND INSTALLATION MUST BE BY A C16 LICENSED SPRINKLER CONTRACTOR.
3. SECTION 903.2.1 GROUP R AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3 SHALL BE PROVIDED THROUGHOUT ALL BUILDINGS WITH A GROUP R FIRE AREA. THIS INCLUDES SINGLE FAMILY DWELLINGS, MULTI-FAMILY DWELLINGS AND ALL RESIDENTIAL CARE FACILITIES REGARDLESS OF OCCUPANT LOAD.
4. SECTION 903.2.1.1 ADDITIONS AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH 903.3 MAY BE REQUIRED TO BE INSTALLED THROUGHOUT STRUCTURES WHEN THE ADDITION IS MORE THAN 50% OF THE EXISTING BUILDING OR WHEN THE ALTERED BUILDING WILL EXCEED A FIRE FLOW OF 1,500 GALLONS PER MINUTE AS CALCULATED PER SECTION 507.3. THE FIRE CODE OFFICIAL MAY REQUIRE AN AUTOMATIC SPRINKLER SYSTEM BE INSTALLED IN BUILDINGS WHERE NO WATER MAIN EXISTS TO PROVIDE THE REQUIRED FIRE FLOW OR WHERE A SPECIAL HAZARD EXISTS SUCH AS: POOR ACCESS ROADS, GRADE, BLUFFS AND CANYON RIMS, HAZARDOUS BRUSH AND RESPONSE TIMES GREATER THAN 5 MINUTES BY A FIRE DEPARTMENT.
5. SECTION 903.2.1.2 REMODELS OR RECONSTRUCTION AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3 MAY BE REQUIRED IF THE SCOPE OF WORK INCLUDES SIGNIFICANT MODIFICATION TO THE INTERIOR AND/OR ROOF OF THE BUILDING, AND THE COST OF THE INSTALLATION DOES NOT EXCEED 15 PERCENT OF THE CONSTRUCTION COSTS OF THE REMODEL.
6. LOCATION AND SIZE OF WATER SERVICE UNDERGROUND SHALL BE INSTALLED AS SHOWN ON APPROVED FIRE SPRINKLER PLANS. A MINIMUM 1 INCH WATER SHALL BE INSTALLED.
7. A FIRE UNDERGROUND FLUSH CERTIFICATION SHALL BE REQUIRED AT FINAL INSPECTION.
8. A HYDRO INSPECTION OF THE FIRE SPRINKLER SYSTEM IS REQUIRED PRIOR TO FRAME INSPECTION. ONLY THE NEW PIPING SHALL BE TESTED.

**ABBREVIATIONS**

ADU	ACCESSORY DWELLING UNIT
AFF	ABOVE FINISH FLOOR
AMP	AMPERE
AWG	AMERICAN WIRE GAUGE
BMP	BEST MANAGEMENT PRACTICE
BM	BEAM
BN	BOUNDARY NAILING
BTTM	BOTTOM
C	COUNTER
CALC	CALCULATION
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CONC	CONCRETE
CONT	CONTINUOUS
DBL	DOUBLE
DIA	DIAMETER
DTP	DOUBLE TOP PLATE
DW	DISH WASHER
EQ	EQUAL
FFE	FINISH FLOOR ELEVATION
FIN	FINISH
FR	FIRE RATED
GAL	GALLON
GD	GARBAGE DISPOSAL
GFI	GROUND-FAULT CIRCUIT INTERRUPTER
GI	GALVANIZED IRON
GL	GLASS
GPM	GALLON PER MINUTE
GYP	GYPSONUM
HLW	HOLLOW
HGT	HEIGHT
HDR	HEADER
HDU	HOLDOWN INSTALLATION
LVL	LEVEL
MIN	MINIMUM
OAE	OR APPROVED EQUIVALENT
OC	ON CENTER
OPER	OPERATION
O	OVEN
OSB	ORIENTED STRAND BOARD
PSI	POUNDS PER SQUARE INCH
PSL	PARALLEL-STRAND LUMBER
PT	POST TENTION
QNTY	QUANTITY
REQ	REQUIRED
REF	REFRIGERATOR
REINF	REINFORCED
SDS	SAFETY DATA SHEET
SIM	SIMILAR
SF	SQUARE FOOTAGE
SHT	SHEET
T	TEMPERED
THICK	THICKNESS
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VB	TYPE 5 B CONSTRUCTION
W/D	WASHER AND DRYER
WD	WOOD
WH	WATER HEATER
WR	WEATHER RESISTANT
V	VOLT

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project  
 City of Soledad  
 Pre-Approved ADU  
 Plans

revisions  
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description  
 Fire General  
 Notes

date 02-08-2023

project no.

drawn by

sheet no. **G0.3**

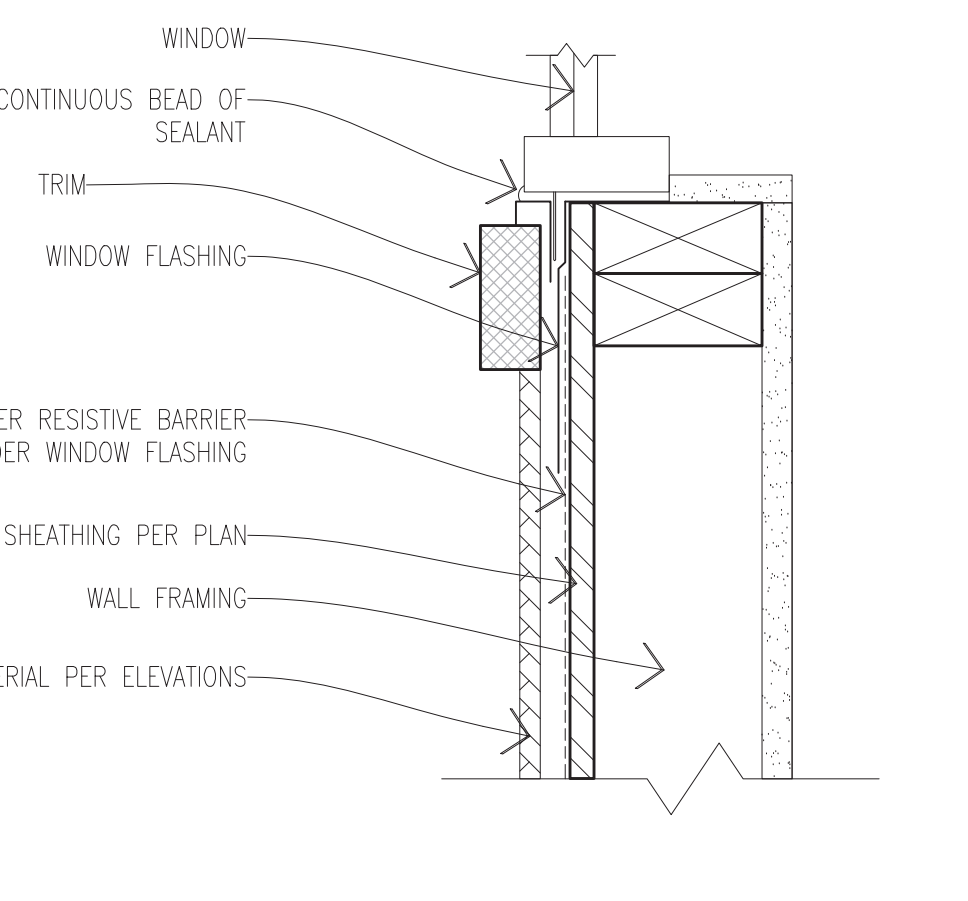
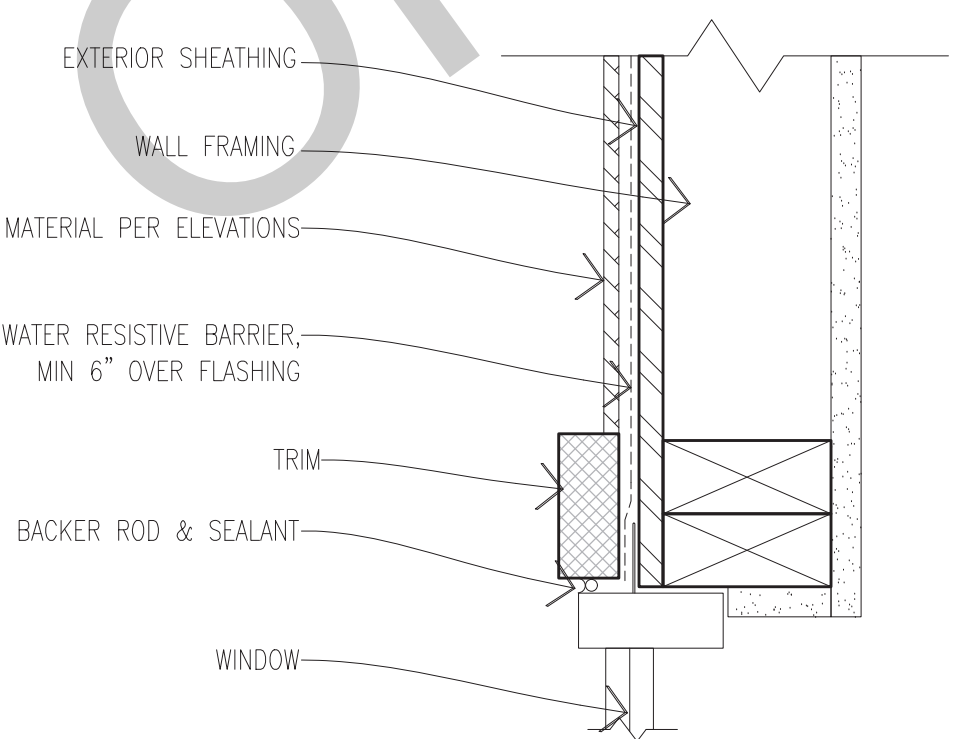
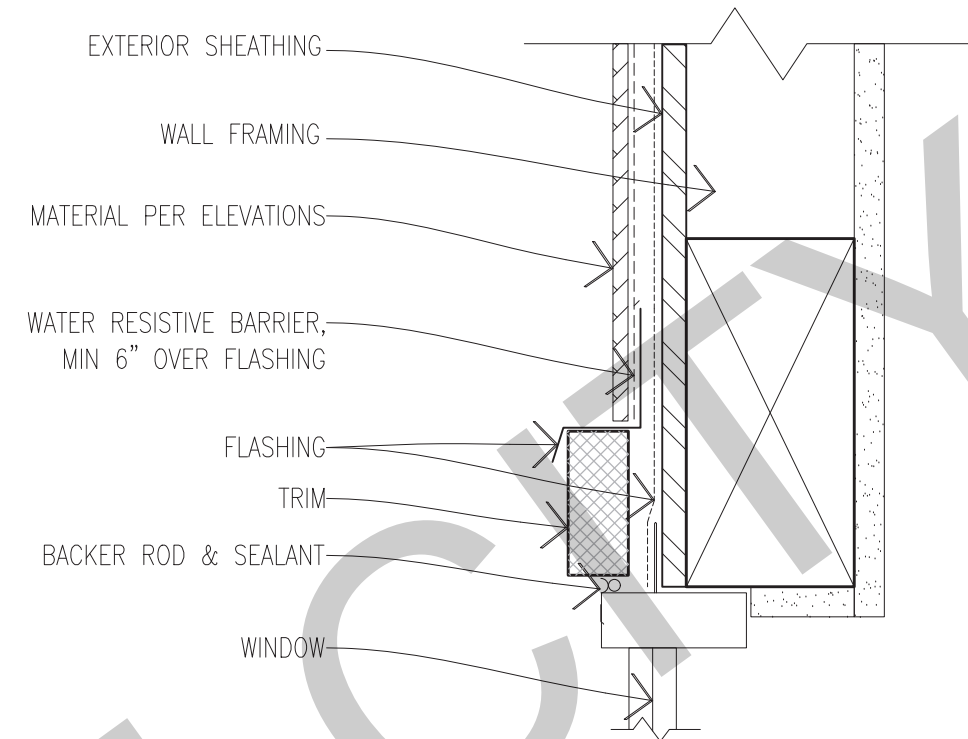
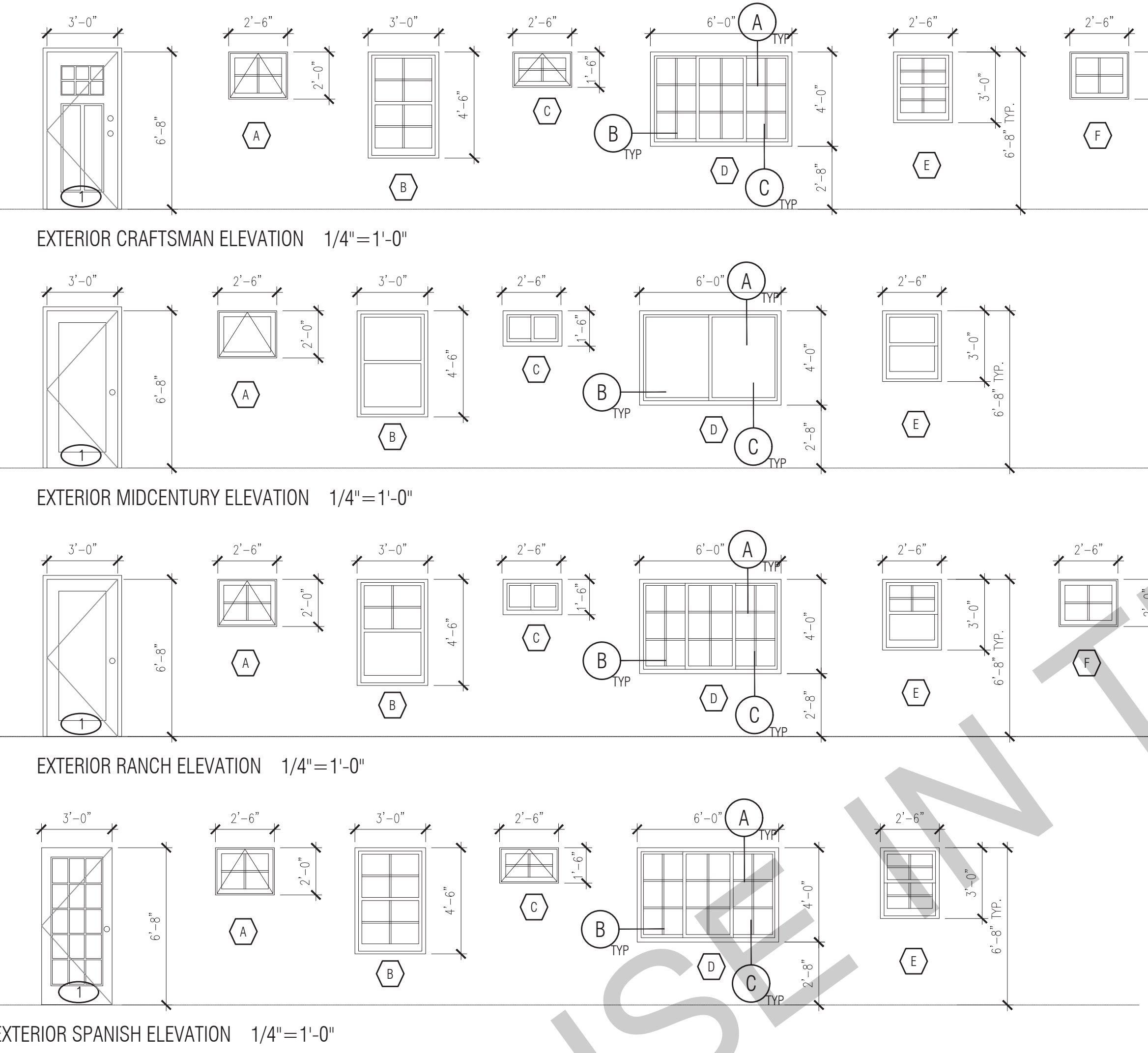
FOR USE IN THE CITY OF SOLEDAD

ARCHITECTUAL GENERAL NOTES	FLOOR PLAN NOTES	FLOOR PLAN NOTES (CONT'D)	MECHANICAL/PLUMBING NOTES (CONT'D)	ELECTRICAL NOTES
<p>1. DO NOT SCALE THE DRAWING, USE THE DIMENSIONS ONLY. IF A DISCREPANCY IS FOUND TO EXIST, NOTIFY THE OWNER. IF THE OWNER/CONTRACTOR PROCEEDS WITH WORK HAVING UNRESOLVED DISCREPANCIES, THE OWNER/CONTRACTOR PROCEEDS AT THEIR OWN RISK.</p> <p>2. THESE PLANS/SPECIFICATIONS AND ALL WORK SHALL COMPLY WITH CURRENT EDITION OF STATE OF CALIFORNIA TITLE 24 CCR AND CURRENT UPC, UMC AND NEC CODES.</p> <p>3. DETAILS ARE INTENDED TO SHOW METHOD AND MANNER OF ACCOMPLISHING WORK. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT THE JOB DIMENSIONS OR CONDITIONS AND IS TO BE REVIEWED AND APPROVED BY THE CITY OF SOLEDAD.</p> <p>4. VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE INCLUDING GRADES AND DRAINAGE AND STAKE OUT STRUCTURE FOR OWNER'S APPROVAL PRIOR TO STARTING ANY WORK.</p> <p>5. ALL WEATHER-EXPOSED SURFACES ARE TO HAVE A WEATHER-RESISTIVE BARRIER TO PROTECT THE INTERIOR WALL COVERING AND THAT EXTERIOR OPENINGS ARE TO BE FLASHED IN SUCH A MANNER AS TO MAKE THEM WEATHERPROOF. PER CRC R703.7.3</p> <p>6. SPECIFICATIONS FOR EQUIPMENT SHALL BE KEPT ON SITE TO PROVIDE TO THE CITY OF SOLEDAD BUILDING INSPECTOR</p> <p>7. AN ENCROACHMENT PERMIT IS REQUIRED FOR ANY CONSTRUCTION, RECONSTRUCTION, OR CLOSURE OR THE ROADWAY, SIDEWALK OR RIGHT OF WAY.</p>	<p>1. ALL DIMENSIONS TO FACE OF STUD, U.N.O.</p> <p>2. ALL DOORS SHOULD BE 3 1/2" FROM NEAREST INTERSECTING WALL AT HINGED SIDE, U.N.O.</p> <p>3. WRITTEN DIMENSIONS TO PREVAIL OVER SCALING OF DRAWINGS. OWNER/CONTRACTOR TO VERIFY ALL DIM. PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY OWNER OF ANY DISCREPANCIES.</p> <p>4. REFER TO FRAMING PLANS AND SECTIONS FOR CLARIFICATION AND DIM. NOT SHOWN.</p> <p>5. ALL ROOF DRAIN PIPES TO BE MIN. 2" STORM DRAINAGE SYSTEM UNLESS LOCAL CODE REQUIRES LARGER DRAIN SIZES. ROOF GUTTERS: STYLE A. INSTALLED AND DESIGNED IN ACCORDANCE WITH SMACNA MANUAL, PLATE #1,#2 &amp; #3,GUTTER, PAGE 6 - 11, WIDTH AS REQUIRED TO HANDLE THE AMOUNT OF ROOF WATER FOR MAXIMUM STORMS, SMACNA CHART #2, PAGE #2. GUTTER: SIZE; PAGES 1,2, 3, 4, 5 &amp; 8, CHARTS#1,#2,#3,#4,#5#6 &amp; #7 STYLE, PLATE #2, STYLE A, PAGE 9 EXPANSION,PLATE #6, PAGE 16 &amp; 17 HANGING; PLATE #19, FIG. C, PAGE 43. DOWN SPOUTS: PLAIN RECTANGULAR AS REQUIRED BY SMACNA MANUAL CHART #3, PAGE #3. SEE ARCHITECT FOR LOCATIONS OF DOWN SPOUTS. ALL DOWN SPOUTS ARE TO BE DESIGNED TO HANDLE THE AMOUNT OF ROOF WATER FOR MAXIMUM STORMS, SMACNA CHART #2, PAGE #2. DOWN SPOUTS ARE TO DEPOSIT DIRECTLY OVER A NDS 6 INCH SQUARE, MODEL 641 OR EQUAL.(SEE SECTION 02710 MORE INFORMATION)</p> <p>6. TRANSITION OF FLOOR MATERIALS OCCURRING IN OPENINGS WITH DOORS TO BE LOCATED UNDER THE CENTER OF THE DOOR IN THE CLOSED POSITION. TRANSITION OF FLOOR MATERIAL OCCURRING WITH NO DOOR TO BE LOCATED TO ALIGN WITH THE FACE OF THE PARTITION, U.O.N</p> <p>7. DIFFUSERS AND GRILLS TO MATCH COLOR OF SURFACE AT WHICH THEY ARE MOUNTED, U.O.N.</p> <p>8. FLOOR FINISH TO CONTINUE UNDER MILLWORK WHERE FLOOR IS VISIBLE (I.E. TRASH, RECYCLING, ECT.) 8. SILICON SEALANT AT GLAZING TO BE CLEAR, U.O.N.</p> <p>9. PLUMBING, ELECTRICAL, AND SPRINKLER EQUIPMENT, IF REQUIRED TO BE PAINTED TO MATCH COLOR OF ADJACENT SURFACE.</p> <p>10. ALL FINISH MATERIAL MUST MEET ALL APPLICATION FIRE, LIFE SAFETY, AND BUILDING CODES. 80% OF FLOOR AREA RECEIVING RESILIENT FLOORING SHALL COMPLY WITH SPECIFIED VOC CRITERIA. PARTICLE BOARD, MDF AND PLYWOOD USED IN INTERIOR FINISH SYSTEMS SHALL COMPLY WITH LOW FORMALDEHYDE EMISSION STANDARDS.</p> <p>11. OPERATION AND MAINTENANCE MANUAL: THE BUILDER IS TO PROVIDE AN OPERATION MANUAL (CONTAINING INFORMATION FOR MAINTAINING APPLIANCES, ETC.) FOR THE OWNER AT THE TIME OF FINAL INSPECTION.</p> <p>12. WEEP SCREED FOR STUCCO AT THE FOUNDATION PLATE LINE SHALL BE A MIN. OF 4" ABOVE THE EARTH OR 2" ABOVE PAVED AREAS. CRC R703.7.2.1, CBC 2512.1.2</p> <p>13. FASTENERS AND CONNECTIONS (NAILS, ANCHORS BOLTS ETC) IN CONTACT WITH PRESERVATIVE-TREATED WOOD SHALL BE OF HOT-DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER. (CRC R317.3, CBC 2304.10.5.1)</p> <p>14. ANCHOR BOLTS SHALL INCLUDE STEEL PLATE WASHERS A MIN. OF 0.229" X 3" X 3" IN SIZE, BETWEEN SILL PLATE AND NUT. (CRC R602.11.1, CBC 2308.3.2 ACCEPTANCE ALTERNATIVE SDPWS 4.3.6.4.3)</p> <p>15. FUTURE WATER HEATERS AND PLUMBING FIXTURES SHALL MEET THE REQUIREMENTS OF SECTION 2-5314 AND TABLE 2-53G, TITLE 24, C.A.C.</p> <p>16. SITE SHALL BE PLANNED AND DEVELOPED TO KEEP SURFACE WATER AWAY FROM BUILDINGS. PLANS SHALL BE PROVIDED &amp; APPROVED BY THE CITY ENGINEER THAT SHOW SITE GRADING AND PROVIDE FOR STORM WATER RETENTION AND DRAINAGE DURING CONSTRUCTION. BMP'S THAT ARE CURRENTLY ENFORCED BY THE CITY ENGINEER MUST BE IMPLEMENTED PRIOR TO INITIAL INSPECTION BY THE BUILD. DEPT.</p> <p>17. VOC'S MUST COMPLY WITH THE LIMITATION LISTED IN SECTION 4.504.3 AND TABLES 4.504.1, 4.504.2, 4.504.3, AND 4.504.4 FOR: ADHESIVES, PAINTS, STAINS, CAULKS AND COATINGS, CARPET AND COMPOSITION WOOD PRODUCTS.DOCUMENTATION SHALL BE PROVIDED TO VERIFY THAT COMPLIANT VOC LIMIT FINISHED MATERIALS HAVE BEEN USED.</p> <p>18. INTERIOR MOISTURE CONTROL AT SLAB ON GRADE FLOORS SHALL BE PROVIDED BY THE SOIL ENGINEER. IF A SOIL ENGINEER HAS NOT PREPARED A SOIL REPORT FOR THIS PROJECT, THE FOLLOWING IS REQUIRED: A 4" THICK BASE OF 1/2" OR LARGER CLEAN AGGREGATE SHALL BE PROVIDED WITH A VAPOR BARRIER IN DIRECT CONTACT WITH CONCRETE, WITH A CONCRETE MIX DESIGN WHICH WILL ADDRESS BLEEDING, SHRINKAGE AND CURLING SHALL BE USED.</p> <p>19. MOISTURE CONTENT OF WOOD SHALL NOT EXCEED 19% BEFORE IT IS ENCLOSED IN CONSTRUCTION. THE MOISTURE CONTENT NEEDS TO BE CERTIFIED BY ONE OF 3 METHODS SPECIFIED. BUILDING MATERIAL WITH VISIBLE SIGNS OF WATER DAMAGE SHOULD NOT BE USED IN CONSTRUCTION. THE MOISTURE CONTENT MUST BE DETERMINED BY THE OWNER/CONTRACTOR BY ONE OF THE LISTED METHODS LISTED IN CGC 4.503.3</p> <p>20. LANDSCAPE IRRIGATION WATER USE SHALL HAVE WEATHER BASED CONTROLLERS.</p> <p>21. THE BUILDER IS TO PROVIDE AN OPERATION MANUAL (WITH INFORMATION FORM MAINTAINING APPLIANCES, ETC.) FOR THE OWNER AT THE TIME OF FINAL INSPECTION. CGC 4.410.0</p> <p>22. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD, &amp; ACCESS REQUIREMENTS &amp; ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.</p>	<p>23. PRIOR TO FINAL APPROVAL OF THE BUILDING THE OWNER, LICENSED CONTRACTOR, ARCHITECT OR ENGINEER IN RESPONSIBLE CHARGE OF THE OVERALL CONSTRUCTION MUST COMPLETE AND SIGN THE GREEN BUILDING STANDARDS CERTIFICATION FORM AND GIVEN TO THE BUILDING DEPT OFFICIAL TO BE FILED WITH THE APPROVED PLANS</p> <p>24. PROJECTS WHICH DISTURB LESS THAN ONE ACRE OF SOIL SHALL MANAGE STORM WATER DRAINAGE DURING CONSTRUCTION BY ONE OF THE FOLLOWING: A. RETENTION BASIN. B. WHERE STORM WATER IS CONVEYED TO A PUBLIC DRAINAGE SYSTEM, WATER SHALL BE FILTERED BY USE OF A BARRIER SYSTEM, WATTLE OR OTHER APPROVED METHOD. CGC 4.106.2.</p> <p>25. THE OWNER/CONTRACTOR SHALL SUBMIT A CONSTRUCTION WASTE MANAGEMENT PLAN TO THE JURISDICTION AGENCY THAT REGULATES WASTE MANAGEMENT, PER CGC 4.408.2.</p> <p>26. SPECIAL INSPECTORS EMPLOYED BY THE ENFORCING AGENCY MUST BE QUALIFIED AND ABLE TO DEMONSTRATE COMPETENCE IN THE DISCIPLINE THEY ARE INSPECTING.</p> <p>27. VERIFICATION OF COMPLIANCE WITH THIS CODE MAY INCLUDE CONSTRUCTION DOC. PLANS, SPECIFICATION BUILDER OR INSTALLER CERTIFICATIONS, INSPECTIONS REPORTS, OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY WHICH TO SHOW SUBSTANTIAL CONFORMANCE.</p> <p>28. NEW SINGLE FAMILY RESIDENTIAL CONSTRUCTION SHALL BE DESIGNED FOR AGING-IN-PLACE DESIGN AND FALL PREVENTION PER R327 A) AT LEAST ONE BATHROOM ON THE ENTRY LEVEL SHALL BE PROVIDED WITH REINFORCEMENT INSTALLED. WHERE THERE IS NO BATHROOM ON THE ENTRY LEVEL, AT LEAST ONE BATHROOM ON THE SECOND OR THIRD FLOOR OF THE DWELLING SHALL COMPLY WITH THIS SECTION. B) REINFORCEMENT SHALL BE SOLID LUMBER OR OTHER CONSTRUCTION MATERIALS APPROVED BY THE ENFORCING AGENCY. C) REINFORCEMENT SHALL NOT BE LESS THAN 2 BY 8 INCH NOMINAL LUMBER. REINFORCEMENT SHALL BE LOCATED BETWEEN 32 INCHES AND 39-1/4 INCHES ABOVE THE FINISHED FLOOR FLUSH WITH THE WALL FRAMING. D) WATER CLOSET REINFORCEMENT SHALL BE INSTALLED ON BOTH SIDE WALLS OF THE FIXTURE, OR ONE SIDE WALL AND THE BACK WALL. E) SHOWER REINFORCEMENT SHALL BE CONTINUOUS WHERE WALL FRAMING IS PROVIDED. F) BATHTUB AND COMBINATION BATHTUB/SHOWER REINFORCEMENT SHALL BE CONTINUOUS ON EACH END OF THE BATHTUB AND THE BACK WALL. ADDITIONALLY, BACK WALL REINFORCEMENT FOR A LOWER GRAB BAR SHALL BE PROVIDED WITH THE BOTTOM EDGE LOCATED NO MORE THAN 6 INCHES ABOVE THE BATHTUB RIM.</p>	<p>18. WHOLE-BUILDING MECHANICAL VENTILATION SYSTEM PER ASHRAE STANDARD 62.2. PROVIDE THE INSPECTOR THE FOLLOWING INFORMATION BEFORE THE TIME OF INSPECTION: a. CALCULATIONS FOR REQUIRED VENTING RATES. b. CALCULATION ADJUSTMENTS FOR INTERMITTENT SYSTEMS IF APPLICABLE. c. DUCT DIAMETER AND MAXIMUM DUCT LENGTH PER ASHRAE 62.2 TABLE 7.1. d. TYPE OF SYSTEM USED AND PROVIDE COMPLETED CF-6R-MECH-05 FORM.</p> <p>19. e. FANS SHALL BE A MAXIMUM OF 1 SONE. f. FANS SHALL BE PROVIDED A COVER OF R-4.2 WHEN OFF.</p> <p>20. CONFORM WITH CURRENT ADOPTED CPC, CRC, CMC, SMACCN, NFPA AND LOCAL REQUIREMENTS.</p> <p>21. PIPING: a. DOMESTIC WATER (WITHIN BUILDING); COPPER OR PEX PIPE OR APPROVED EQUAL. b. GAS, EXPOSED TO WEATHER: GALVANIZED c. AIR CHAMBERS: 12" LONG CAPPED NIPPLE AT END OF EACH BRANCH TO EACH FIXTURE. d. DIELECTRIC UNIONS "F.P.C.O." REQUIREMENT AT ALL DISSIMILAR MATERIAL CONNECTIONS. e. WHEN "OPTIONAL" SOFT-WATER LOOP INSTALLED, PROVIDE WITH 2 GATE VALVES.</p>	<p>1. RECEPTACLE OUTLET LOCATIONS SHALL COMPLY WITH CEC ARTICLE 210.52 &amp; CRC SECTION R327.1.2. TAMPER RESISTANT RECEPTACLE OUTLET LOCATIONS SHALL COMPLY W/ NEC ART. 210-52 AND 550.13 (I.E. ALL RECEPTACLES IN A DWELLING).</p> <p>2. ARC-FAULT PROTECTION FOR ALL OUTLETS (NOT JUST RECEPTACLES) LOCATED IN ROOMS DESCRIBED IN NEC 210.12(A); KITCHENS, LAUNDRY AREAS, FAMILY, LIVING, BEDROOMS, DINING, HALLS, ETC. ALL BRANCH CIRCUITS WILL BE ARC FAULT CIRCUIT PROTECTED PER NEC ART. 210-12(B). THERE ARE TO BE A MINIMUM OF 2 SMALL APPLIANCE BRANCH CIRCUITS WITHIN THESE AREAS CEC 210.11(C)1</p> <p>3. BATHROOM CIRCUITING SHALL BE EITHER: a) A 20 AMPERE CIRCUIT DEDICATED TO EACH BATHROOM. b) AT LEAST ONE 20 AMPERE CIRCUIT SUPPLYING ONLY BATHROOM RECEPTACLE OUTLETS PER NEC ART. 210-11(c)3.</p> <p>4. ALL 125-V. SINGLE-PHASE, 15- AND 20- AMPERE RECEPTACLES INSTALLED IN BATHROOMS, GARAGES, BASEMENTS, OUTDOORS, LAUNDRY AREA, KITCHEN DISHWASHERS, KITCHEN COUNTERS &amp; AT WET BAR SINKS, WITHIN 6' OF A SINK, SHALL BE GFCI PROTECTED PER NEC ART. 210-8(A).</p> <p>5. WEATHER RESISTANT TYPE FOR RECEPTACLES INSTALLED IN DAMP OR WET LOCATIONS (OUTSIDE) NEC 406.4(D)(6)</p> <p>6. PER LIGHTING MEASURES 150(K)4 N-T-24. THE BEDROOMS, HALLWAY, LIVING ROOM AND OFFICE ARE REQUIRED TO HAVE ANY INSTALLED FIXTURE TO BE ON A DIMMER SWITCH OR THE FIXTURE NEEDS TO BE HIGH EFFICACY.</p> <p>7. OUTDOOR LIGHTING FIXTURES ARE REQUIRED TO BE HIGH EFFICACY OR CONTROLLED BY A COMBINATION PHOTOCONTROL / MOTION SENSOR.</p> <p>8. A RECEPTACLE OUTLET MUST BE INSTALLED IN EVERY ROOM SO THAT NO POINT ALONG THE WALL SPACE IS MORE THAN 6 FEET, MEASURED HORIZONTALLY ALONG THE FLOOR LINE FROM A RECEPTACLE OUTLET CEC 210.52(A)</p> <p>9. SMOKE DETECTORS MUST BE PERMANENTLY WIRED. IN NEW CONSTRUCTION, REQUIRED SMOKE ALARMS SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING WHERE SUCH WIRING IS SERVED FROM A COMMERCIAL SOURCE AND SHALL BE EQUIPPED WITH A BATTERY BACK-UP. SMOKE ALARMS SHALL EMIT A SIGNAL WHEN THE BATTERIES ARE LOW. WIRING SHALL BE PERMANENT AND WITHOUT A DISCONNECTING SWITCH OTHER THAN AS REQUIRED FOR OVERCURRENT PROTECTION.</p> <p>10. WHERE MORE THAN ONE SMOKE ALARM IS REQUIRED TO BE INSTALLED, THE SMOKE ALARMS SHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTIVATION OF ONE ALARM WILL ACTIVATE ALL THE ALARMS IN THE INDIVIDUAL DWELLING UNIT. THE ALARM SHALL BE CLEARLY AUDIBLE IN ALL BEDROOMS OVER BACKGROUND NOISE LEVELS WITH ALL INTERVENING DOORS CLOSED.</p> <p>11. ALL EXHAUST FANS SHALL BE SWITCHED SEPARATELY FROM LIGHTING SYSTEMS.</p> <p>12. A MINIMUM OF 1 LUMINAIRE SHALL BE INSTALLED IN BATHROOM CONTROLLED BY AN OCCUPANT OR VACANCY SENSOR PROVIDING AUTOMATIC -OFF FUNCTIONALLY (CENC 150 .0(K)21)</p> <p>13. LAUNDRY AREA SHALL AT LEAST 1-20 AMP DEDICATED BRANCH CIRCUIT (CEC 210 .11 (C)2)</p> <p>14. PROVIDE A DEDICATED CIRCUIT FOR THE A.C./FAU (CEC 422.12)</p> <p>15. A DEDICATED 125V, 20AMP ELECTRICAL RECEPTACLE THAT IS CONNECTED TO THE ELECTRICAL PANEL WITH A 30 VOLT 3 CONDUCTOR, 10 AWG COPPER BRANCH CIRCUIT, WITHIN 3 FEET FROM THE WATER HEATER AND ACCESSIBLE TO THE WATER HEATER WITH NO OBSTRUCTIONS (CENC 150.0(N)1A)</p> <p>16. PER CEC 2022 150.0(N).1.A.: IF THE DESIGNATED SPACE IS WITHIN 3 FEET FROM THE WATER HEATER, THEN THIS SPACE SHALL INCLUDE THE FOLLOWING: A DEDICATED 125 VOLT, 20 AMP ELECTRICAL RECEPTACLE THAT IS CONNECTED TO THE ELECTRIC PANEL WITH A 120/240 VOLT 3 CONDUCTOR, 10 AWG COPPER BRANCH CIRCUIT, WITHIN 3 FEET FROM THE WATER HEATER AND ACCESSIBLE TO THE WATER HEATER WITH NO OBSTRUCTIONS; AND • BOTH ENDS OF THE UNUSED CONDUCTOR SHALL BE LABELED WITH THE WORD "SPARE" AND BE ELECTRICALLY ISOLATED; A RESERVED SINGLE POLE CIRCUIT BREAKER SPACE IN THE ELECTRICAL PANEL ADJACENT TO THE CIRCUIT BREAKER FOR THE BRANCH CIRCUIT IN A ABOVE AND LABELED WITH THE WORDS "FUTURE 240V USE"; AND • A CONDENSATE DRAIN THAT IS NO MORE THAN 2 INCHES HIGHER THAN THE BASE OF THE INSTALLED WATER HEATER, AND ALLOWS NATURAL DRAINING WITHOUT PUMP ASSISTANCE</p> <p>17. ELECTRICAL RECEPTACLE OUTLETS IN BATHROOM MUST BE NO MORE THAN 48" OR LESS THAN 15" MEASURE FROM THE FINISHED FLOOR.</p> <p>18. DOORBELL BUTTON MUST BE INSTALLED NO MORE THAN 48 INCHES FROM EXTERIOR FLOOR.</p> <p>19. LUMINAIRE EFFICACY - ALL INSTALLED LUMINAIRES SHALL MEET THE REQUIREMENTS OF 2022 BUILDING ENERGY EFFICIENCY STANDARDS TABLE 150.0-A PER SECTION 150.0(K).</p> <p>20. 15, 20 AND 30 AMP. RECEPTACLE OUTLETS SHALL BE INSTALLED NO MORE THAN 48" MEASURED FROM THE TOP OF OUTLET BOX AND NOT LESS THAN 15" FROM THE BOTTOM OF OUTLET BOX ABOVE THE FLOOR.</p> <p>21. CONFORM WITH CURRENT CEC, NFPA, MFR'S, AND LOCAL REQUIREMENTS.</p> <p>22. RECESSED LUMINAIRES INSTALLED IN AREAS TO RECEIVE INSULATION SHALL BE "IC" LUMINAIRES AND ARE CERTIFIED AND LABELED AS AIRTIGHT PER THE RESIDENTIAL ENERGY CODE.</p> <p>23. RECESSED LIGHT FIXTURES INSTALLED IN A FIRE RATED ASSEMBLY SHALL BE INSTALLED PER THE APPROVED LISTING OR PROTECTED BY AN APPROVED METHOD.</p> <p>24. CEILING-SUSPENDED (PADDL) FANS SHALL BE SUPPORTED INDEPENDENTLY OF AN OUTLET BOX OR BY LISTED OUTLET BOX OR OUTLET BOX SYSTEMS IDENTIFIED FOR THE USE AND INSTALLED PER CEC 314-27(D) &amp; CEC 422-18</p>
<p><b>ROOF NOTES</b></p> <p>1. FLASHINGS SHALL BE INSTALLED IN A MANNER THAT PREVENTS MOISTURE FROM ENTERING THE WALL AND ROOF THROUGH JOINTS IN COPINGS, THROUGH MOISTURE PERMEABLE MATERIALS AND AT INTERSECTIONS WITH PARAPET WALLS AND OTHER PENETRATIONS THROUGH THE ROOF PLANE.</p> <p>2. UNLESS ROOFS ARE SLOPED TO DRAIN OVER ROOF EDGES, DRAINS SHALL BE INSTALLED AT EACH LOW POINT OF THE ROOF.</p> <p>3. ROOF ASSEMBLIES SHALL BE OF MATERIALS THAT ARE COMPATIBLE WITH EACH OTHER AND WITH THE BUILDING OR STRUCTURE TO WHICH THE MATERIALS ARE APPLIED.</p> <p>4. BUILDING-INTEGRATED PHOTOVOLTAIC PRODUCTS INSTALLED AS THE ROOF COVERING SHALL BE TESTED, LISTED AND LABELED FOR FIRE CLASSIFICATION IN ACCORDANCE WITH SECTION R902.1 THROUGH R902.1.4.</p> <p>5. ASPHALT SHINGLES SHALL BE USED ONLY ON ROOF SLOPES OF TWO UNITS VERTICAL IN 12 UNITS HORIZONTAL (17-PERCENT SLOPE) OR GREATER. FOR ROOF SLOPES FROM TWO UNITS VERTICAL IN 12 UNITS HORIZONTAL (17-PERCENT SLOPE) UP TO FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (33-PERCENT SLOPE), DOUBLE UNDERLAYMENT APPLICATION IS REQUIRED IN ACCORDANCE WITH SECTION R905.1.1.</p> <p>6. CLAY AND CONCRETE ROOF TILE SHALL BE INSTALLED ON ROOF SLOPES OF TWO AND ONE-HALF UNITS VERTICAL IN 12 UNITS HORIZONTAL (25-PERCENT SLOPE) OR GREATER. FOR ROOF SLOPES FROM TWO AND ONE-HALF UNITS VERTICAL IN 12 UNITS HORIZONTAL (25-PERCENT SLOPE) TO FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (33-PERCENT SLOPE), DOUBLE UNDERLAYMENT APPLICATION IS REQUIRED IN ACCORDANCE WITH SECTION R905.3.3.</p> <p>7. SLATE SHINGLES TO BE USED ONLY ON SLOPES OF FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (33-PERCENT SLOPE) MIN.</p> <p>8. THE MINIMUM SLOPE FOR STANDING-SEAM ROOF SYSTEMS SHALL BE ONE-QUARTER UNIT VERTICAL IN 12 UNITS HORIZONTAL (2-PERCENT SLOPE).</p> <p>9. BUILT-UP ROOFS SHALL HAVE A DESIGN SLOPE OF NOT LESS THAN ONE-FOURTH UNIT VERTICAL IN 12 UNITS HORIZONTAL (2-PERCENT SLOPE) FOR DRAINAGE, EXCEPT FOR COAL-TAR BUILT-UP ROOFS, WHICH SHALL HAVE A DESIGN SLOPE OF A MINIMUM ONE-EIGHTH UNIT VERTICAL IN 12 UNITS HORIZONTAL (1-PERCENT SLOPE).</p> <p>10. MINERAL-SURFACED ROLL ROOFING SHALL NOT BE APPLIED ON ROOF SLOPES BELOW ONE UNIT VERTICAL IN 12 UNITS HORIZONTAL (8-PERCENT SLOPE).</p> <p>11. MODIFIED BITUMEN ROOFING SHALL HAVE A DESIGN SLOPE OF NOT LESS THAN ONE-FOURTH UNIT VERTICAL IN 12 UNITS HORIZONTAL (2-PERCENT SLOPE) FOR DRAINAGE.</p> <p>12. SINGLE-PLY MEMBRANE ROOFS SHALL HAVE A DESIGN SLOPE OF NOT LESS THAN ONE-FOURTH UNIT VERTICAL IN 12 UNITS HORIZONTAL (2-PERCENT SLOPE) FOR DRAINAGE.</p> <p>13. A CLASS A ROOF ASSEMBLY SHALL BE INSTALLED. IF THE APPLICANT DEVIATES FROM THE ROOF SPECIFICATIONS ON SHEET T1.1 THE APPLICANT SHALL PROVIDE A COPY OF THE ICUL LISTING</p> <p>14. FOR PHOTOVOLTAIC ARRAYS OCCUPYING NOT MORE THAN 33% OF THE PLAN VIEW TOTAL ROOF AREA, NOT LESS THAN AN 18-INCH (457 MM) CLEAR SETBACK IS REQUIRED ON BOTH SIDES OF A HORIZONTAL RIDGE. FOR PHOTOVOLTAIC ARRAYS OCCUPYING MORE THAN 33 PERCENT OF THE PLAN VIEW TOTAL ROOF AREA, NOT LESS THAN A 36-INCH (914 MM) CLEAR SETBACK IS REQUIRED ON BOTH SIDES OF A HORIZONTAL RIDGE.</p> <p>15. PER SECTION R806.5/EM3.9.6: a. INSULATION IS AIR PERMEABLE AND IT IS INSTALLED DIRECTLY BELOW THE ROOF SHEATHING WITH RIGID BOARD OR SHEET INSULATION WITH A MINIMUM R-4 VALUE INSTALLED ABOVE THE ROOM SHEATHING. (OR) b. INSULATION IS AIR-IMPERMEABLE AND IS IN DIRECT CONTACT WITH THE UNDERSIDE OF THE OF THE ROOF SHEATHING. (OR) c. TWO LAYERS OF INSULATION ARE INSTALLED BELOW THE ROOF SHEATHING: AN AIR-IMPERMEABLE LAYER IN DIRECT CONTACT WITH THE UNDERSIDE OF THE ROOF SHEATHING AND AN ADDITIONAL LAYER OF AIR PERMEABLE INSULATION IS TO BE INSTALLED DIRECTLY UNDER THE AIR-IMPERMEABLE INSULATION.</p>	<p>6. TRANSITION OF FLOOR MATERIALS OCCURRING IN OPENINGS WITH DOORS TO BE LOCATED UNDER THE CENTER OF THE DOOR IN THE CLOSED POSITION. TRANSITION OF FLOOR MATERIAL OCCURRING WITH NO DOOR TO BE LOCATED TO ALIGN WITH THE FACE OF THE PARTITION, U.O.N</p> <p>7. DIFFUSERS AND GRILLS TO MATCH COLOR OF SURFACE AT WHICH THEY ARE MOUNTED, U.O.N.</p> <p>8. FLOOR FINISH TO CONTINUE UNDER MILLWORK WHERE FLOOR IS VISIBLE (I.E. TRASH, RECYCLING, ECT.) 8. SILICON SEALANT AT GLAZING TO BE CLEAR, U.O.N.</p> <p>9. PLUMBING, ELECTRICAL, AND SPRINKLER EQUIPMENT, IF REQUIRED TO BE PAINTED TO MATCH COLOR OF ADJACENT SURFACE.</p> <p>10. ALL FINISH MATERIAL MUST MEET ALL APPLICATION FIRE, LIFE SAFETY, AND BUILDING CODES. 80% OF FLOOR AREA RECEIVING RESILIENT FLOORING SHALL COMPLY WITH SPECIFIED VOC CRITERIA. PARTICLE BOARD, MDF AND PLYWOOD USED IN INTERIOR FINISH SYSTEMS SHALL COMPLY WITH LOW FORMALDEHYDE EMISSION STANDARDS.</p> <p>11. OPERATION AND MAINTENANCE MANUAL: THE BUILDER IS TO PROVIDE AN OPERATION MANUAL (CONTAINING INFORMATION FOR MAINTAINING APPLIANCES, ETC.) FOR THE OWNER AT THE TIME OF FINAL INSPECTION.</p> <p>12. WEEP SCREED FOR STUCCO AT THE FOUNDATION PLATE LINE SHALL BE A MIN. OF 4" ABOVE THE EARTH OR 2" ABOVE PAVED AREAS. CRC R703.7.2.1, CBC 2512.1.2</p> <p>13. FASTENERS AND CONNECTIONS (NAILS, ANCHORS BOLTS ETC) IN CONTACT WITH PRESERVATIVE-TREATED WOOD SHALL BE OF HOT-DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER. (CRC R317.3, CBC 2304.10.5.1)</p> <p>14. ANCHOR BOLTS SHALL INCLUDE STEEL PLATE WASHERS A MIN. OF 0.229" X 3" X 3" IN SIZE, BETWEEN SILL PLATE AND NUT. (CRC R602.11.1, CBC 2308.3.2 ACCEPTANCE ALTERNATIVE SDPWS 4.3.6.4.3)</p> <p>15. FUTURE WATER HEATERS AND PLUMBING FIXTURES SHALL MEET THE REQUIREMENTS OF SECTION 2-5314 AND TABLE 2-53G, TITLE 24, C.A.C.</p> <p>16. SITE SHALL BE PLANNED AND DEVELOPED TO KEEP SURFACE WATER AWAY FROM BUILDINGS. PLANS SHALL BE PROVIDED &amp; APPROVED BY THE CITY ENGINEER THAT SHOW SITE GRADING AND PROVIDE FOR STORM WATER RETENTION AND DRAINAGE DURING CONSTRUCTION. BMP'S THAT ARE CURRENTLY ENFORCED BY THE CITY ENGINEER MUST BE IMPLEMENTED PRIOR TO INITIAL INSPECTION BY THE BUILD. DEPT.</p> <p>17. VOC'S MUST COMPLY WITH THE LIMITATION LISTED IN SECTION 4.504.3 AND TABLES 4.504.1, 4.504.2, 4.504.3, AND 4.504.4 FOR: ADHESIVES, PAINTS, STAINS, CAULKS AND COATINGS, CARPET AND COMPOSITION WOOD PRODUCTS.DOCUMENTATION SHALL BE PROVIDED TO VERIFY THAT COMPLIANT VOC LIMIT FINISHED MATERIALS HAVE BEEN USED.</p> <p>18. INTERIOR MOISTURE CONTROL AT SLAB ON GRADE FLOORS SHALL BE PROVIDED BY THE SOIL ENGINEER. IF A SOIL ENGINEER HAS NOT PREPARED A SOIL REPORT FOR THIS PROJECT, THE FOLLOWING IS REQUIRED: A 4" THICK BASE OF 1/2" OR LARGER CLEAN AGGREGATE SHALL BE PROVIDED WITH A VAPOR BARRIER IN DIRECT CONTACT WITH CONCRETE, WITH A CONCRETE MIX DESIGN WHICH WILL ADDRESS BLEEDING, SHRINKAGE AND CURLING SHALL BE USED.</p> <p>19. MOISTURE CONTENT OF WOOD SHALL NOT EXCEED 19% BEFORE IT IS ENCLOSED IN CONSTRUCTION. THE MOISTURE CONTENT NEEDS TO BE CERTIFIED BY ONE OF 3 METHODS SPECIFIED. BUILDING MATERIAL WITH VISIBLE SIGNS OF WATER DAMAGE SHOULD NOT BE USED IN CONSTRUCTION. THE MOISTURE CONTENT MUST BE DETERMINED BY THE OWNER/CONTRACTOR BY ONE OF THE LISTED METHODS LISTED IN CGC 4.503.3</p> <p>20. LANDSCAPE IRRIGATION WATER USE SHALL HAVE WEATHER BASED CONTROLLERS.</p> <p>21. THE BUILDER IS TO PROVIDE AN OPERATION MANUAL (WITH INFORMATION FORM MAINTAINING APPLIANCES, ETC.) FOR THE OWNER AT THE TIME OF FINAL INSPECTION. CGC 4.410.0</p> <p>22. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD, &amp; ACCESS REQUIREMENTS &amp; ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.</p>	<p><b>MECHANICAL/PLUMBING NOTES</b></p> <p>1. WHERE WATER CLOSET COMPARTMENT IS INDEPENDENT OF THE BATHROOM OR SHOWER AREA, A FAN WILL BE REQ. IN EACH AREA. BATHROOMS SHALL HAVE AN EXHAUST FAN WITH HUMIDITY CONTROL SENSOR, MIN. 50 CFM CAPACITY. (CRC R303.3.)</p> <p>2. ROOMS CONTAINING BATHTUBS, SHOWERS, SPAS AND SIMILAR FIXTURES SHALL BE PROVIDED WITH AN EXHAUST FAN WITH HUMIDITY CONTROL SENSOR HAVING A MIN. CAPACITY OF 50 CFM DUCTED TO TERMINATE OUTSIDE THE BLDG. (CRC R303.3, CAL GREEN 4.505.1, CBC 1203 .5.2.1, CMC 402.5)</p> <p>3. SUPPLY AND RETURN AIR DUCTS TO BE INSULATED AT A MIN. OF R-6. (CAL ENERGY CODE TABLE 150.1-A)</p> <p>4. WHERE WHOLE HOUSE FANS ARE USED IN BATHROOM AREAS, THE FAN MUST RUN CONTINUOUSLY AND SHALL NOT BE TIED TO HUMIDITY CONTROL SENSOR. (CAL GREEN 4.506.1)</p> <p>5. ENVIRONMENTAL AIR DUCTS SHALL TERMINATE MIN. 3 FEET FROM PROPERTY LINE OR OPENINGS INTO BLDG., AND 10' FROM A FORCED AIR INLET. (CMC 502.2.1)</p> <p>6. ALL HOSE BIBS ARE TO HAVE VACUUM BREAKERS. (CPC603.5.7)</p> <p>7. THE MAX. AMOUNT OF WATER CLOSETS ON A 3" HORIZONTAL DRAINAGE SYSTEM LINE IS 3 (CPC TABLE 703.2)</p> <p>8. THE MAX. AMOUNT OF WATER CLOSETS ON A 3" VERTICAL DRAINAGE LINE IS 4. (CPC TABLE 703.2)</p> <p>9. WATER HEATER IS TO COMPLY WITH CAL ENERGY CODE 150.0(N)</p> <p>10. PROVIDE A CONDENSATE DRAIN NO MORE THAN 2" ABOVE THE BASE OF THE WATER HEATER SPACE PER CEC 150.0 (N).</p> <p>11. INSULATE ALL HOT WATER PIPES PER CEC 150.0(j) (2) CPC 609.11)</p> <p>12. ISOLATION VALVES ARE REQ. FOR TANKLESS WATER HEATERS ON THE HOT AND COLD SUPPLY LINES WITH HOSE BIBS ON EACH VALVE, TO FLUSH THE HEAT EXCHANGER. (CEC 110.3(7)).</p> <p>13. EXHAUST DUCTS AND DRYER VENTS SHALL BE EQUIPPED WITH BACK DRAFT DAMPERS</p> <p>14. BATHROOM FANS SHALL BE ENERGY STAR RATED, VENTED DIRECTLY TO THE OUTSIDE AND CONTROLLED BY A HUMIDISTAT.</p> <p>15. DURING CONSTRUCTION, ENDS OF DUCT OPENINGS ARE TO BE SEALED, AND MECHANICAL EQUIPMENT IS TO BE COVERED. CGC 4.504.1</p> <p>16. PLUMBING FIXTURES AND FITTINGS INSTALLED IN RESIDENTIAL BUILDINGS SHALL COMPLY WITH THE PRESCRIPTIVE REQ. OF SECTIONS 4.303.1.1 THROUGH 4.303.1.4.4.</p> <p>17. PLUMBING FIXTURES AND FITTINGS REQ. IN CAL GREEN BUILDING STANDARDS SECTION 4.303.1 SHALL BE INSTALLED IN ACCORDANCE WITH THE CPC AND SHALL MEET THE THE APPLICABLE REFERENCE STANDARDS.</p>	<p><b>ELECTRIC READY NOTES:</b> <b>2022 ENERGY EFFICIENCY STANDARDS 150.0</b></p> <p>(S) ENERGY STORAGE SYSTEMS (ESS) READY. ALL SINGLE-FAMILY RESIDENCES THAT INCLUDE ONE OR TWO DWELLING UNITS SHALL MEET THE FOLLOWING. ALL ELECTRICAL COMPONENTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA ELECTRICAL CODE: 1. AT LEAST ONE OF THE FOLLOWING SHALL BE PROVIDED: A. ESS READY INTERCONNECTION EQUIPMENT WITH A MINIMUM BACKED-UP CAPACITY OF 60 AMPS AND A MINIMUM OF FOUR ESS-SUPPLIED BRANCH CIRCUITS, OR B. A DEDICATED RACEWAY FROM THE MAIN SERVICE TO A PANELBOARD (SUBPANEL) THAT SUPPLIES THE BRANCH CIRCUITS IN SECTION 150.0(S)(2). ALL BRANCH CIRCUITS ARE PERMITTED TO BE SUPPLIED BY THE MAIN SERVICE PANEL PRIOR TO THE INSTALLATION OF AN ESS. THE TRADE SIZE OF THE RACEWAY SHALL BE NOT LESS THAN ONE INCH. THE PANELBOARD THAT SUPPLIES THE BRANCH CIRCUITS (SUBPANEL) MUST BE LABELED "SUBPANEL SHALL INCLUDE ALL BACKED-UP LOAD CIRCUITS." 2. A MINIMUM OF FOUR BRANCH CIRCUITS SHALL BE IDENTIFIED AND HAVE THEIR SOURCE OF SUPPLY COLLOCATED AT A SINGLE PANELBOARD SUITABLE TO BE SUPPLIED BY THE ESS. AT LEAST ONE CIRCUIT SHALL SUPPLY THE REFRIGERATOR, ONE LIGHTING CIRCUIT SHALL BE LOCATED NEAR THE PRIMARY EGRESS, AND AT LEAST ONE CIRCUIT SHALL SUPPLY A SLEEPING ROOM RECEPTACLE OUTLET. 3. THE MAIN PANELBOARD SHALL HAVE A MINIMUM BUSBAR RATING OF 225 AMPS. 4. SUFFICIENT SPACE SHALL BE RESERVED TO ALLOW FUTURE INSTALLATION OF A SYSTEM ISOLATION EQUIPMENT/TRANSFER SWITCH WITHIN 3 FEET OF THE MAIN PANELBOARD. RACEWAYS SHALL BE INSTALLED BETWEEN THE PANELBOARD AND THE SYSTEM ISOLATION EQUIPMENT/TRANSFER SWITCH LOCATION TO ALLOW THE CONNECTION OF BACKUP POWER SOURCE.</p> <p>(T) HEAT PUMP SPACE HEATER READY. SYSTEMS USING GAS OR PROPANE FURNACE TO SERVE INDIVIDUAL DWELLING UNITS SHALL INCLUDE THE FOLLOWING: 1. A DEDICATED 240 VOLT BRANCH CIRCUIT WIRING SHALL BE INSTALLED WITHIN 3 FEET FROM THE FURNACE AND ACCESSIBLE TO THE FURNACE WITH NO OBSTRUCTIONS. THE BRANCH CIRCUIT CONDUCTORS SHALL BE RATED AT 30 AMPS MINIMUM. THE BLANK COVER SHALL BE IDENTIFIED AS "240V READY." ALL ELECTRICAL COMPONENTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA ELECTRICAL CODE. 2. THE MAIN ELECTRICAL SERVICE PANEL SHALL HAVE A RESERVED SPACE TO ALLOW FOR THE INSTALLATION OF A DOUBLE POLE CIRCUIT BREAKER FOR A FUTURE HEAT PUMP SPACE HEATER INSTALLATION. THE RESERVED SPACE SHALL BE PERMANENTLY MARKED AS "FOR FUTURE 240V USE."</p> <p>(U) ELECTRIC COOKTOP READY. SYSTEMS USING GAS OR PROPANE COOKTOP TO SERVE INDIVIDUAL DWELLING UNITS SHALL INCLUDE THE FOLLOWING: 1. A DEDICATED 240 VOLT BRANCH CIRCUIT WIRING SHALL BE INSTALLED WITHIN 3 FEET FROM THE COOKTOP AND ACCESSIBLE TO THE COOKTOP WITH NO OBSTRUCTIONS. THE BRANCH CIRCUIT CONDUCTORS SHALL BE RATED AT 50 AMPS MINIMUM. THE BLANK COVER SHALL BE IDENTIFIED AS "240V READY." ALL ELECTRICAL COMPONENTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA ELECTRICAL CODE. 2. THE MAIN ELECTRICAL SERVICE PANEL SHALL HAVE A RESERVED SPACE TO ALLOW FOR THE INSTALLATION OF A DOUBLE POLE CIRCUIT BREAKER FOR A FUTURE ELECTRIC COOKTOP INSTALLATION. THE RESERVED SPACE SHALL BE PERMANENTLY MARKED AS "FOR FUTURE 240V USE."</p> <p>(V) ELECTRIC CLOTHES DRYER READY. CLOTHES DRYER LOCATIONS WITH GAS OR PROPANE PLUMBING TO SERVE INDIVIDUAL DWELLING UNITS SHALL INCLUDE THE FOLLOWING: 1. A DEDICATED 240 VOLT BRANCH CIRCUIT WIRING SHALL BE INSTALLED WITHIN 3 FEET FROM THE CLOTHES DRYER LOCATION AND ACCESSIBLE TO THE CLOTHES DRYER LOCATION WITH NO OBSTRUCTIONS. THE BRANCH CIRCUIT CONDUCTORS SHALL BE RATED AT 30 AMPS MINIMUM. THE BLANK COVER SHALL BE IDENTIFIED AS "240V READY." ALL ELECTRICAL COMPONENTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA ELECTRICAL CODE. 2. THE MAIN ELECTRICAL SERVICE PANEL SHALL HAVE A RESERVED SPACE TO ALLOW FOR THE INSTALLATION OF A DOUBLE POLE CIRCUIT BREAKER FOR A FUTURE ELECTRIC CLOTHES DRYER INSTALLATION. THE RESERVED SPACE SHALL BE PERMANENTLY MARKED AS "FOR FUTURE 240V USE."</p>	<p>BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT ACKNOWLEDGES, ACCEPTS AND VOLUNTARILY AFFIRMS THE FOLLOWING CONDITIONS: 1. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PERMIT READY ACCESSORY DWELLING UNIT (ADU) PROGRAM FOR THE CITY OF SOLEDAD ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS APPROVED BY THE CITY OF SOLEDAD BUILDING DEPARTMENT. BUILDING CODES DO CHANGE OVER TIME AND RECIPIENT SHALL ENSURE FULL COMPLIANCE UNDER ALL CODES THEN IN EFFECT AT THE TIME OF THE SUBJECT PROJECT. THIS DOES NOT ELIMINATE OR REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S WORK AND RESPONSIBILITY ON THIS PROJECT. DESIGN PATH STUDIO SHALL NOT BE RESPONSIBLE FOR TRANSLATION ERRORS. DO NOT USE THESE CONSTRUCTION DOCUMENTS IF THE PERMIT HAS EXPIRED OR IS REVOKED AT ALL. 2. THE RECIPIENT RECOGNIZES AND ACKNOWLEDGES THAT THE USE OF THIS INFORMATION WILL BE AT THEIR SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL EXPOSURE TO DESIGN PATH STUDIO, NO WARRANTIES OF ANY NATURE, WHETHER EXPRESS OR IMPLIED, SHALL ATTACH TO THESE DOCUMENTS AND THE INFORMATION CONTAINED THEREON. ANY USE, REUSE, OR ALTERATION OF THESE DOCUMENTS BY THE RECIPIENT OR BY OTHERS WILL BE AT THE RECIPIENT'S RISK AND FULL LEGAL RESPONSIBILITY. FURTHERMORE, THE RECIPIENT WILL TO THE FULLEST EXTENT PERMITTED BY LAW, DEFEND, INDEMNIFY AND HOLD DESIGN PATH STUDIO AND ITS ARCHITECTS HARMLESS FROM ANY AND ALL CLAIMS, SUITS, LIABILITY, DEMANDS, JUDGMENTS, OR COSTS ARISING OUT OF OR RESULTING THERE FROM ANY USE OF THESE CONSTRUCTION DOCUMENTS FOR OR ON ACCOUNT OF ANY INJURY, DEATH, DAMAGE OR LOSS TO PERSONS OR PROPERTY, DIRECT OR CONSEQUENTIAL DAMAGES IN ANY AMOUNT. THIS WARRANTY DOES NOT APPLY TO THE SOLE NEGLIGENCE OR WILLFUL MISCONDUCT OF DESIGN PATH STUDIO OR ITS ARCHITECTS. 3. THE DESIGNS REPRESENTED BY THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION. 4. IF THE RECIPIENT DOES NOT AGREE WITH THE ABOVE CONDITIONS, DO NOT PROCEED WITH CONSTRUCTION OF AN ADU OR OTHER IMPROVEMENT UNDER THESE PLANS AT ALL.</p> <p>project</p> <p>City of Soledad Pre-Approved ADU Plans</p> <p>revisions</p> <p>△ △ △ △ △</p> <p>description</p> <p>General Notes</p> <p>date 02-08-2023</p> <p>project no.</p> <p>drawn by</p> <p>sheet no. <b>G0.2</b></p>

WINDOW SCHEDULE								DOOR SCHEDULE										
WINDOW	WINDOW SIZE		OPER.	QNTY	FRAME	HEAD HEIGHT	LOCATION	REMARKS	DOOR	DOOR TYPE	DOOR SIZE			CORE	MATERIAL	FRAME	LOCATION	REMARKS
	WIDTH	HEIGHT									WIDTH	HEIGHT	THICK.					
A	2'-6"	2'-0"	AWNING	4	VINYL	6'-8"	BEDROOM WINDOWS		1	SINGLE DOOR	3'-0"	6'-8"	1-3/4"	GL	VNL/GLASS	VINYL	FRONT ENTRY	TEMPERED NOTE 15, 16, 17, & 18
B	3'-0"	4'-6"	SINGLE HUNG	4	VINYL	6'-8"	LIVING ROOM WINDOWS	TEMP. PER PLAN, NOTE 7	2	SINGLE DOOR	3'-0"	6'-8"	1-3/4"	GL	VNL/GLASS	VINYL	BEDROOM	TEMPERED
C	2'-6"	1'-6"	SLIDER/AWNING	2	VINYL	6'-8"	BATHROOM WINDOW		3	SINGLE DOOR	2'-6"	6'-8"	1-3/4"	HLW	WOOD	WD	BATHROOM	
D	6'-0"	4'-0"	SLIDER	1	VINYL	6'-8"	BEDROOM WINDOW	NOTE 7	4	CLOSET DOOR	7'-0"	6'-8"	1-3/4"	HLW	WOOD	WD	CLOSET	
E	2'-6"	3'-0"	SINGLE HUNG	1	VINYL	6'-8"	KITCHEN WINDOW		5	BI-FOLD DOOR	3'-0"	6'-8"	1-3/4"	HLW	WOOD	WD	WASHROOM	
F	2'-6"	2'-0"	AWNING	PER PLAN	VINYL	6'-8"	HIGH WINDOW AT CRAFTSMAN & RANCH		6	SINGLE DOOR	2'-0"	6'-8"	1-3/4"	HLW	WOOD	WD	PANTRY	
G	2'-0"	1'-6"	SLIDER/AWNING	2	VINYL	6'-8"	BATHROOM WINDOW		7	BI-FOLD DOOR	3'-6"	6'-8"	1-3/4"	HLW	WOOD	WD	WATER HEATER CLOSET	LOUVERED
8									8	SINGLE DOOR	2'-6"	6'-8"	1-3/4"	HLW	WOOD	WD	BATHROOM	
9									9	SINGLE DOOR	2'-6"	6'-8"	1-3/4"	HLW	WOOD	WD	BEDROOM	
10									10	CLOSET DOOR	6'-0"	6'-8"	1-3/4"	HLW	WOOD	WD	CLOSET	

- ### WINDOW NOTES
- SEE EXTERIOR ELEVATION FOR DIRECTION OF OPERATION OF WINDOWS (ALL OPERABLE WINDOWS TO HAVE SCREENS).
  - ALL WINDOW DIMENSIONS PERTAIN TO ROUGH OPENINGS (R.O.). OWNER/CONTRACTOR TO FIELD VERIFY ACTUAL DIMENSIONS FOR WINDOWS
  - ALL GLAZING WILL BE INSTALLED WITH A CERTIFYING LABEL ATTACHED, SHOWING THE NFRC LABEL.
  - ALL GLAZING SHALL BE SPECTRALLY SELECTIVE LOW E COATED TO MEET TITLE 24 ENERGY REQUIREMENTS.
  - WINDOWS SHALL MEET THE MINIMUM INFILTRATION REQUIREMENTS PER SECTION 116 E.E.S.D
  - VENTILATION SHALL COMPLY WITH C.B.C. 1203.4 AND R303
  - EVERY SLEEPING ROOM SHALL HAVE ONE OPERABLE WINDOW FOR EMERGENCY ESCAPE OR RESCUE WITH A MIN. NET CLEAR OPENABLE AREA OF 5.7 SQ. FT. MIN. NET CLEAR OPENABLE HEIGHT OF 24" MIN., NET CLEAR WIDTH OF 20" AND A FIN. SILL HEIGHT OF NOT MORE THAN 44" A.F.F. PER CRC SECTION 3101.
  - TEMPERED GLASS SHALL BE PERMANENTLY IDENTIFIED AND VISIBLE WHEN THE UNIT IS GLAZED.
  - EVERY SPACE INTENDED FOR HUMAN OCCUPANCY SHALL BE PROVIDED WITH NATURAL VENTILATION AND NATURAL LIGHT BY MEANS OF VENTILATION / ARTIFICIAL LIGHT. CBC SECTIONS 1203.4 AND 1205.1 AND R303
  - A) THE MINIMUM NET GLAZED AREA FOR NATURAL LIGHT SHALL NOT BE LESS THAN 8% OF THE FLOOR AREA OF THE ROOM SERVED. CBC SECTION 1205.2
  - B) THE MINIMUM OPENABLE AREA TO THE OUTDOORS FOR NATURAL VENTILATION SHALL BE 4% OF THE FLOOR AREA BEING VENTILATED. SECTION 1203.4
  - EXTERIOR WINDOWS, WINDOW WALLS, GLAZED DOORS, AND GLAZED OPENINGS WITHIN EXTERIOR DOORS SHALL BE INSULATING-GLASS UNITS WITH A MINIMUM OF ONE TEMPERED PANE
  - FIRE-RESISTANCE RATED GLAZING TESTED AS PART OF A FIRE-RESISTANCE-RATED WALL ASSEMBLY IN ACCORDANCE WITH ASTM E 119 OR UL 263 TO BE CONSTRUCTED OF MULTIPANE GLAZING WITH A MINIMUM OF ONE TEMPERED PANE MEETING THE REQUIREMENT OF SECTION 2406. CONSTRUCTED OF GLASS BLOCK UNITS, OR HAVE A FIRE-RESISTIVE RATING OF NOT LESS THAN 20 MINUTES WHEN TESTED ACCORDING TO NFPA 257.

- ### DOOR NOTES
- ALL GLAZING IN DOORS SHALL BE TEMPERED. TEMPERED GLASS SHALL BE PERMANENTLY IDENTIFIED AND VISIBLE WHEN THE UNIT IS GLAZED.
  - ALL GLAZING WILL BE INSTALLED WITH A CERTIFYING LABEL ATTACHED, SHOWING THE "U" VALUE.
  - REFER TO FLOOR PLANS FOR DIRECTION OF DOOR SWING.
  - DOORS SHALL MEET THE MINIMUM INFILTRATION REQUIREMENTS PER SECTION 116 E.E.S.
  - VENTILATION SHALL COMPLY WITH C.B.C. 1203.4 AND R303.
  - DOORS MAY OPEN TO THE EXTERIOR ONLY IF THE FLOOR OR LANDING IS NOT MORE THAN 1-1/2 INCH LOWER THAN THE DOOR THRESHOLD. SECTION R311.3.1 CRC
  - GLAZED OPENINGS WITHIN EXTERIOR DOORS SHALL BE INSULATING-GLASS UNITS WITH A MINIMUM OF ONE TEMPERED PANE.
  - EXTERIOR DOOR ASSEMBLIES SHALL CONFORM TO THE PERFORMANCE REQUIREMENTS OF STANDARD SFM 12-7A-1 OR SHALL BE OF APPROVED NONCOMBUSTIBLE CONSTRUCTION OR IGNITION-RESISTANT MATERIAL, OR SOLID CORE WOOD HAVING STILES AND RAILS NOT LESS THAN 1 3/8 INCHES THICK WITH INTERIOR FIELD PANEL THICKNESS NO LESS THAN 1 1/4 INCHES THICK, OR SHALL HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN 20 MINUTES WHEN TESTED ACCORDING TO NFPA 257.



**A** HEAD SECTION VIEW

**B** JAMB PLAN VIEW

**C** SILL SECTION VIEW

WINDOW DETAILS  
SCALE: 3"=1'-0"

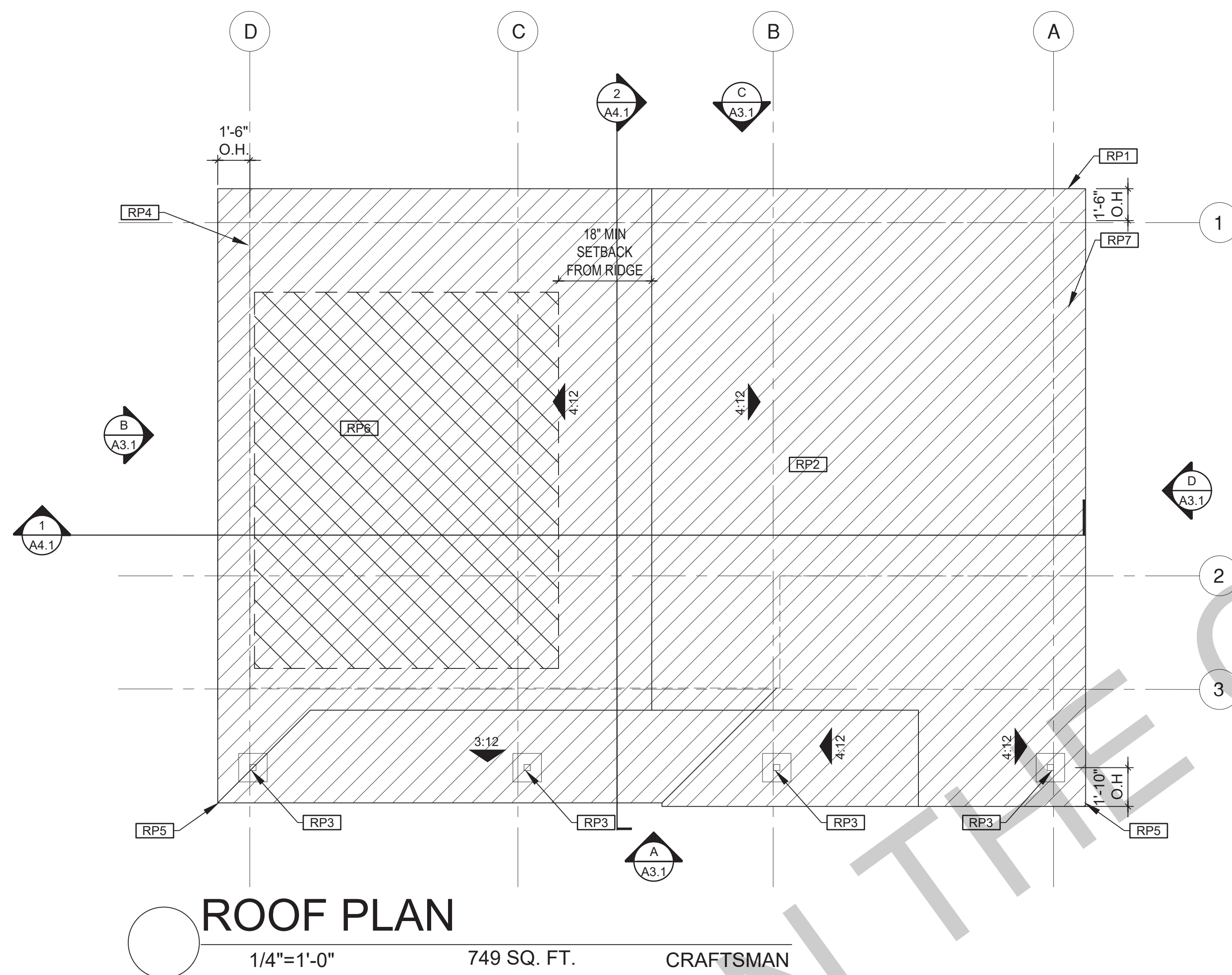
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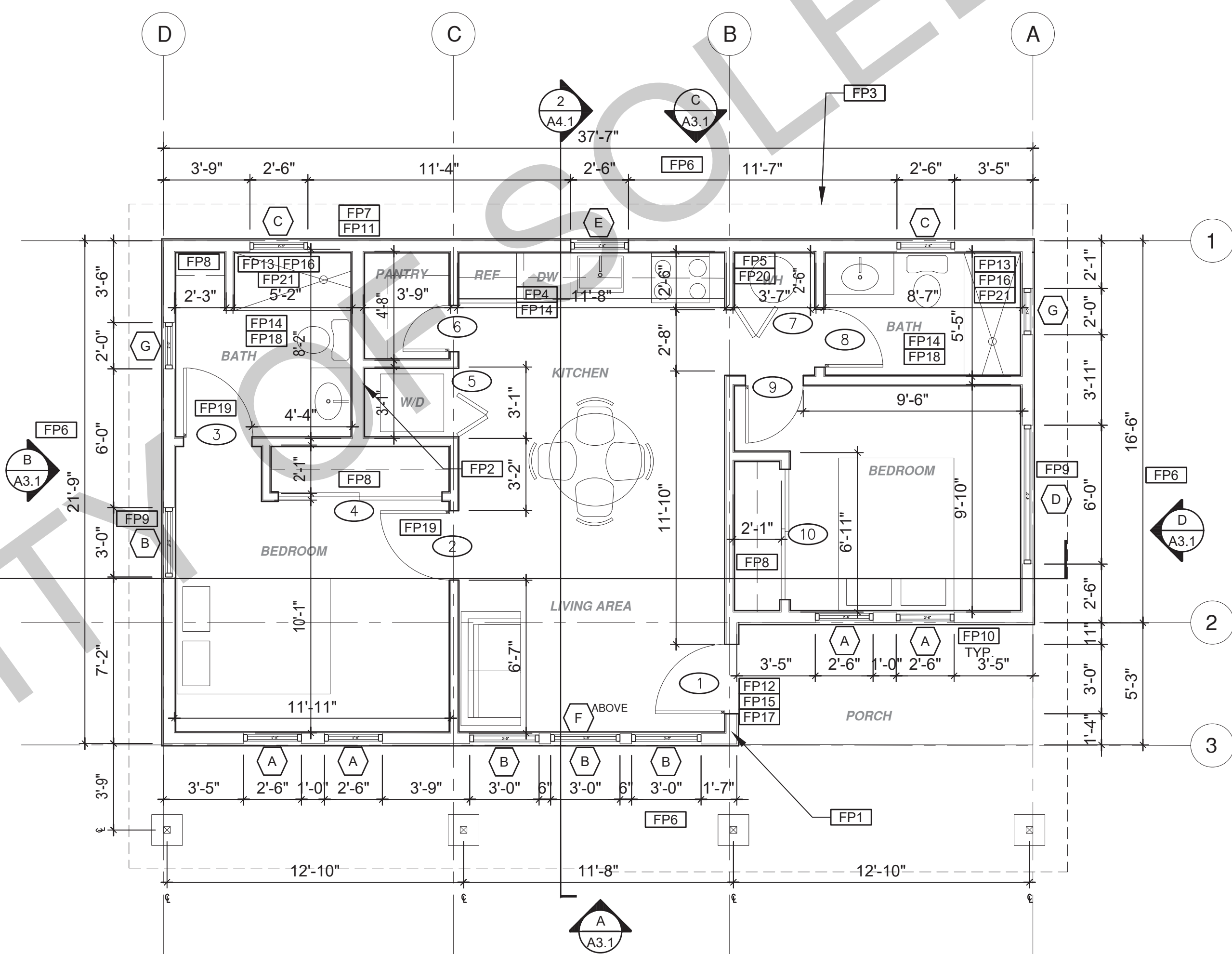
project	City of Soledad Pre-Approved ADU Plans
revisions	<ul style="list-style-type: none"> <li>△</li> <li>△</li> <li>△</li> <li>△</li> <li>△</li> </ul>
description	Schedules & Notes
date	02-08-2023
project no.	
drawn by	
sheet no.	<b>A0.1</b>

FOR USE IN THE CITY OF SOLEDAD

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**ROOF PLAN**  
1/4"=1'-0" 749 SQ. FT. CRAFTSMAN



**FLOOR PLAN**  
1/4"=1'-0" 749 SQ. FT. CRAFTSMAN

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project  
City of Soledad  
Pre-Approved ADU  
Plans

revisions  
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description  
**Roof/Floor Plan  
Craftsman**

date 02-08-2023

project no.

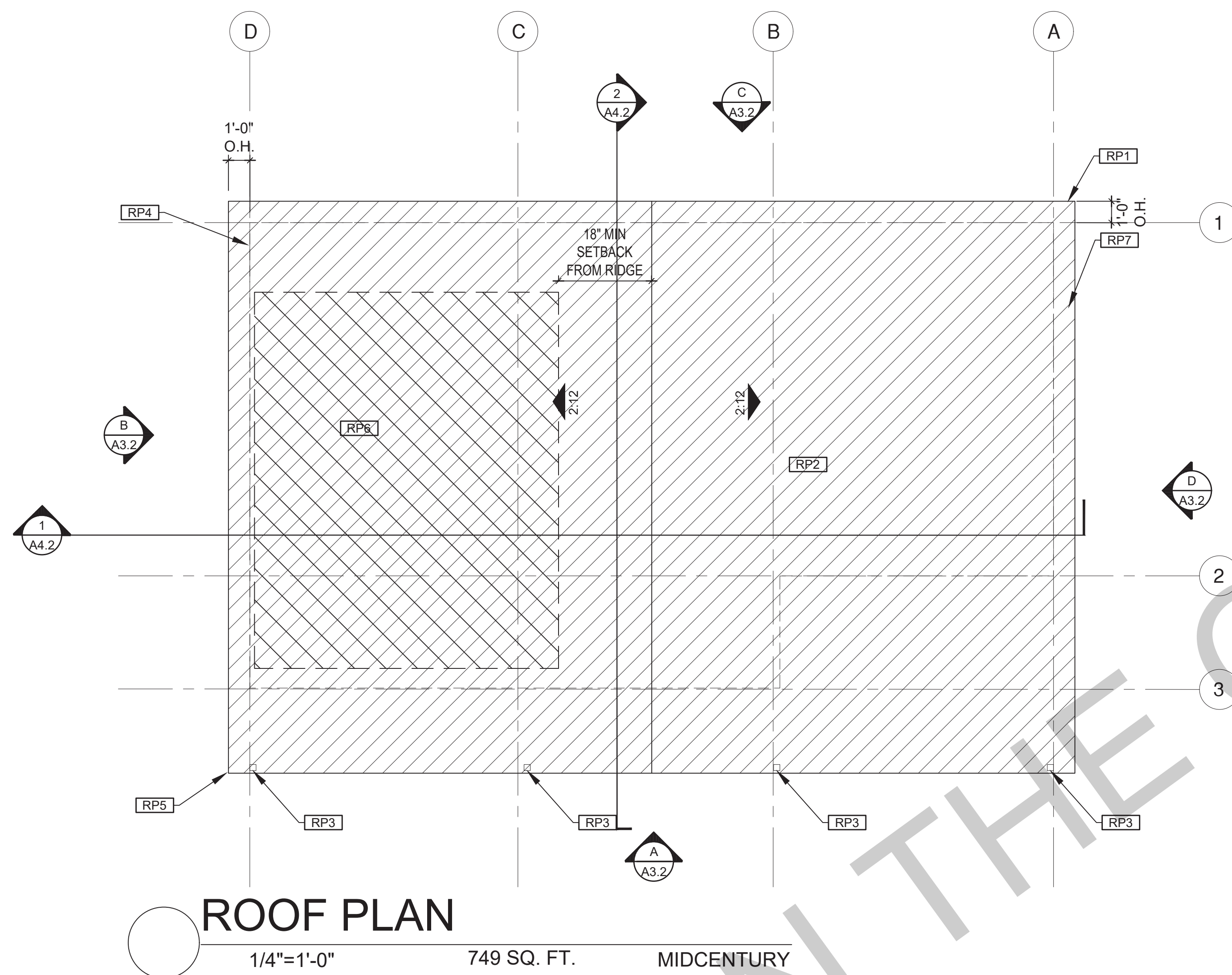
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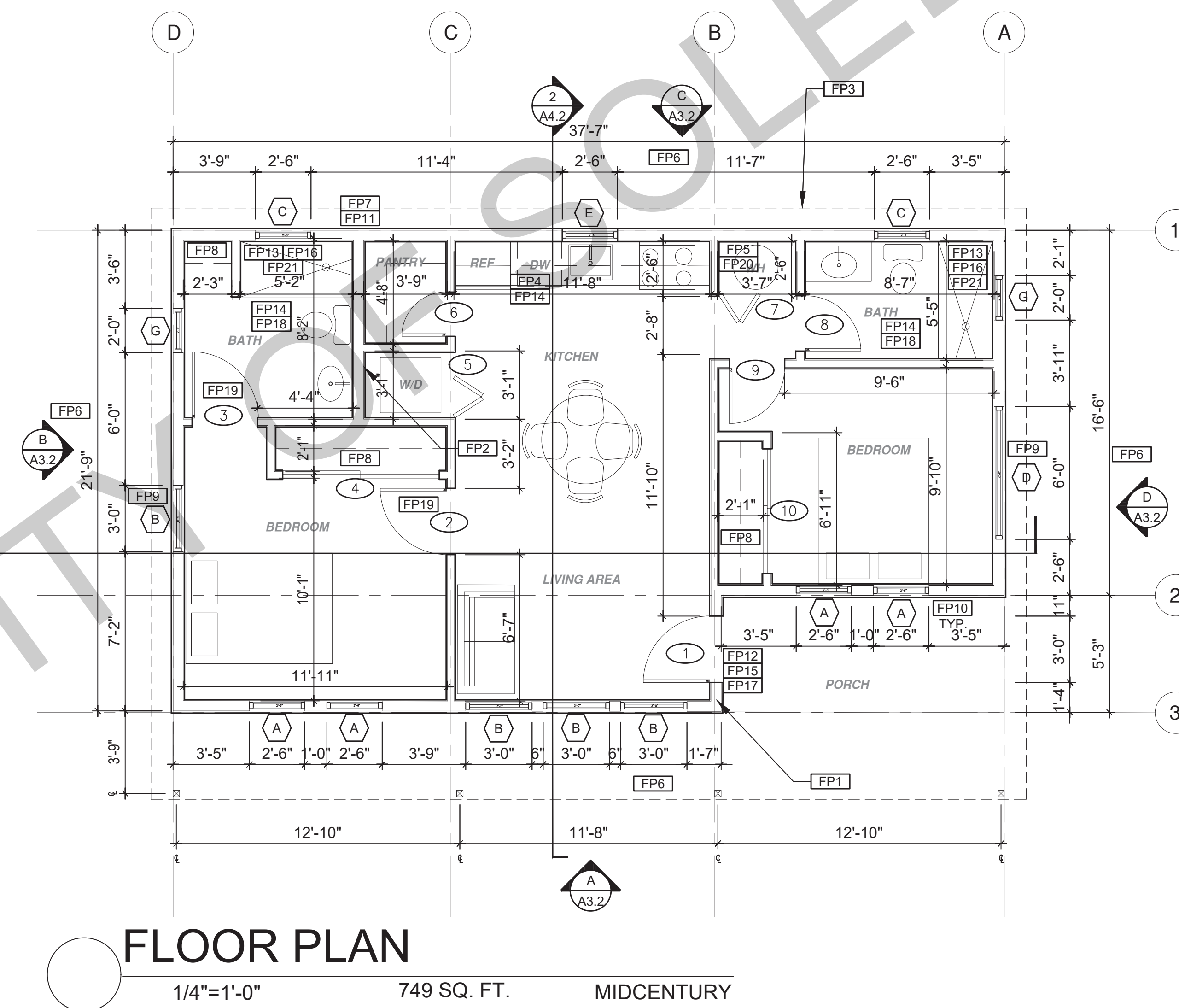
ROOF KEYNOTES	FLOOR PLAN KEYNOTES	SOLAR READY NOTES	LEGEND	
<p><b>RP1</b> LINE OF ROOF OVERHANG</p> <p><b>RP2</b> CLASS A ROOFING MATERIAL. SEE GENERAL ROOF NOTE 13 ON SHEET G0.2</p> <p><b>RP3</b> SUPPORT POST BELOW</p> <p><b>RP4</b> LINE OF WALLS BELOW</p> <p><b>RP5</b> ROOF DOWNSPOUT LOCATION TO BE DETERMINED BY SITE SPECIFIC CONDITIONS</p> <p><b>RP6</b> DESIGNATED SOLAR PANEL AREA. PLEASE SEE SOLAR READY NOTES ON THIS SHEET</p> <p><b>RP7</b> RAFTER VENTS TO MEET REQUIRED VENTILATION AREA FOR ENCLOSED RAFTER SPACES. MAX 1/4", MIN 3/4" OPENING SIZE ON VENT SCREEN WITH CORROSION-RESISTANT WIRE SCREEN MATERIAL. 1 SF OF VENTING PER 150 SF OF ENCLOSED RAFTER AREA IN NON-FIRE RATED CONSTRUCTION PLEASE SEE VENTING CALCULATIONS OF THIS SHEET</p>	<p><b>FP1</b> STUD WALL SIZED PER STRUCTURAL</p> <p><b>FP2</b> 2X8 STUD WALL OR FURRING AS NEEDED FOR MECHANICAL / PLUMBING / VENTING</p> <p><b>FP3</b> LINE OF OVERHANG ABOVE</p> <p><b>FP4</b> 36" HIGH COUNTER</p> <p><b>FP5</b> WATER HEATER</p> <p><b>FP6</b> SLOPE SURFACE AWAY FROM BUILDING</p> <p><b>FP7</b> DRYER VENT TERMINATION ON EXTERIOR WALL TO BE A MINIMUM OF 3 FT FROM ANY OPENING</p> <p><b>FP8</b> CLOSET SHELF AND POLE</p> <p><b>FP9</b> EMERGENCY EGRESS WINDOW</p> <p><b>FP10</b> WINDOW MUST HAVE A FRAME AND SASH COMPRISED OF WELDED CORNERS, METAL REINFORCEMENT IN THE INTERLOCK AREA, AND CONSTRUCTED OF MULTIPANE TEMPERED GLAZING WHERE INDICATED TYPICAL ALL WINDOWS</p> <p><b>FP11</b> VENT DRYER THROUGH WALL. SEE MECHANICAL / PLUMBING PLANS FOR FURTHER INFORMATION</p> <p><b>FP12</b> MIN. 1 HINGED ENTRY DOOR FOR EGRESS COMPLIANCE REQUIRED - THE EGRESS DOOR SHALL BE SIDE-HINGED AND SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32 INCHES WHERE MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP, WITH THE DOOR OPEN 90°. THE CLEAR HEIGHT OF THE DOOR OPENING SHALL BE NOT LESS THAN 78 INCHES IN HEIGHT MEASURED FROM THE TOP OF THE THRESHOLD TO THE BOTTOM OF THE STOP</p> <p><b>FP13</b> SURROUND AROUND THE SHOWER MUST BE TEMPERED. GLAZING IN THE WALLS/DOORS FACING OR CONTAINING BATHTUBS, SHOWERS, HOT TUBS, SPAS, WHIRLPOOLS, SAUNAS, STEAM ROOMS AND INDOOR/OUTDOOR SWIMMING POOLS WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60" ABOVE THE STANDING SURFACE. EXCEPTION: GLAZING THAT IS MORE THAN 60" MEASURED HORIZONTALLY FROM THE WATER'S EDGE OF A BATHTUB, HOT TUB, SPA, WHIRLPOOL OR SWIMMING POOL.</p> <p><b>FP14</b> PER SECTION 301.1.1 CALGREEN AND CIVIL CODE 1101.3(a). ALL PLUMBING FIXTURES SHALL BE COMPLIANT WATER-CONSERVING PLUMBING FIXTURES. SEE MECHANICAL / PLUMBING PLANS FOR FURTHER INFORMATION</p>	<p><b>FP15</b> LANDING OR FLOOR REQUIRED AT EACH SIDE OF EXTERIOR DOOR. WIDTH TO BE NOT LESS THAN THE DOOR SERVED AND HAVE A MIN 36 INCH DEPTH MEASURED IN THE DIRECTION OF TRAVEL. EXTERIOR LANDINGS SHALL BE PERMITTED TO HAVE A SLOPE NOT TO EXCEED 1/4" PER FOOT. LANDINGS OR FINISHED FLOORS AT EGRESS DOOR SHALL NOT BE MORE THAN 1.5" LOWER THAN THE TOP OF THE THRESHOLD FOR OUTWARD SWINGING DOORS OR 1.75" FOR DOORS THAT DO NOT SWING OUTWARD.</p> <p><b>FP16</b> WALL COVERING SHALL BE CEMENT PLASTER, TILE OR APPROVED EQUAL TO 12" ABOVE DRAIN AT SHOWERS OR TUB WITH SHOWERS. MATERIALS OTHER THAN STRUCTURAL ELEMENTS ARE TO BE MOISTURE RESISTANT. CRC R307.2</p> <p><b>FP17</b> DOOR BELL BUTTON TO BE NO MORE THAN 48" ABOVE EXTERIOR FLOOR OR LANDING</p> <p><b>FP18</b> WATER CLOSET AND SHOWER TO HAVE REINFORCEMENT IN WALLS 2X8 NOMINAL AT 32" TO 36" ABOVE FINISH FLOOR. SEE FLOOR PLAN GENERAL NOTE #32 ON SHEET G0.2 FOR FURTHER INFORMATION</p> <p><b>FP19</b> DOOR TO HAVE A NET CLEAR OPENING OF 32"</p> <p><b>FP20</b> DESIGNATED 2'-6" x 2'-6" x 7' TALL MINIMUM AREA FOR FUTURE INSTALLATION OF A HEAT PUMP WATER HEATER PER CEC 2022 SECTION 150.0(N)</p> <p><b>FP21</b> FURRING AS NEEDED FOR STANDARD TUB AND SHOWER LENGTH</p>	<p><b>SOLAR READY NOTES</b></p> <p>SOLAR READY ROOF AREA: MIN DIMENSION &gt; 5FT. MIN. SF. &gt; 80SF. PER CALIFORNIA ENERGY CODE SECTION 110.10(b)</p> <p>THE SOLAR ZONE SHALL COMPLY WITH ACCESS, PATHWAY, SMOKE VENTILATION, AND SPACING REQUIREMENTS AS SPECIFIED IN TILE 24, PART 9 OR OTHER PARTS OF TITLE 24 OR IN ANY REQUIREMENTS ADOPTED BY LOCAL JURISDICTION</p> <p>SINGLE FAMILY RESIDENCE. THE SOLAR ZONE SHALL BE LOCATED ON THE ROOF OR OVERHANG OF THE BUILDING AND HAVE A TOTAL AREA OF NO LESS THAN 250SQFT.</p> <p>FOR PHOTOVOLTAIC ARRAYS OCCUPYING NOT MORE THAN 33 PERCENT OF THE PLAN VIEW TOTAL ROOF AREA, NOT LESS THAN AN 18-INCH (457 MM) CLEAR SETBACK IS REQUIRED ON BOTH SIDES OF A HORIZONTAL RIDGE. FOR PHOTOVOLTAIC ARRAYS OCCUPYING MORE THAN 33 PERCENT OF THE PLAN VIEW TOTAL ROOF AREA, NOT LESS THAN A 36-INCH (914 MM) CLEAR SETBACK IS REQUIRED ON BOTH SIDES OF A HORIZONTAL RIDGE.</p> <p><b>VENTING CALCULATIONS</b></p> <p>ROOF VENTING: 1SF. OF ROOF VENTING PER 150 SF. OF ENCLOSED AREA OR ENCLOSED RAFTER AREA. ENCLOSED RAFTER AREA: 749 SF. VENTILATION AREA REQUIRED: 749 SF / 150SF = 4.99 SF. CONVERT TO SQ. IN: 4.99 SF. x 144 = 719 SQ. IN. MINIMUM VENTILATION AREA REQUIRED: 719 SQ. IN.</p>	<p><b>LEGEND</b></p> <p>SECTION CUT</p> <p>ELEVATION CALLOUT</p> <p>DETAIL DRAWING REF.</p> <p>WALL BELOW OR ROOF ABOVE</p> <p>SOLAR ZONE. REFER TO SOLAR NOTES ON SHEET G0.2</p> <p>ROOFING</p> <p>KEYNOTE</p> <p>DOOR SYMBOL</p> <p>WINDOW SYMBOL</p> <p>CEILING HEIGHTS</p> <p>VAULTED CEILING</p> <p>ROOF SLOPE</p>

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**ROOF PLAN**  
1/4"=1'-0" 749 SQ. FT. MIDCENTURY



**FLOOR PLAN**  
1/4"=1'-0" 749 SQ. FT. MIDCENTURY

ROOF KEYNOTES	FLOOR PLAN KEYNOTES	SOLAR READY NOTES	LEGEND
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IN.</p>	<p><b>SECTION CUT</b> KEYNOTE</p> <p><b>ELEVATION CALLOUT</b> DOOR SYMBOL</p> <p><b>DETAIL DRAWING REF.</b> WINDOW SYMBOL</p> <p><b>WALL BELOW OR ROOF ABOVE</b> CEILING HEIGHTS</p> <p><b>SOLAR ZONE. REFER TO SOLAR NOTES ON SHEET G0.2</b> VAULTED CEILING</p> <p><b>ROOFING</b> ROOF SLOPE</p>

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Pre-Approved ADU  
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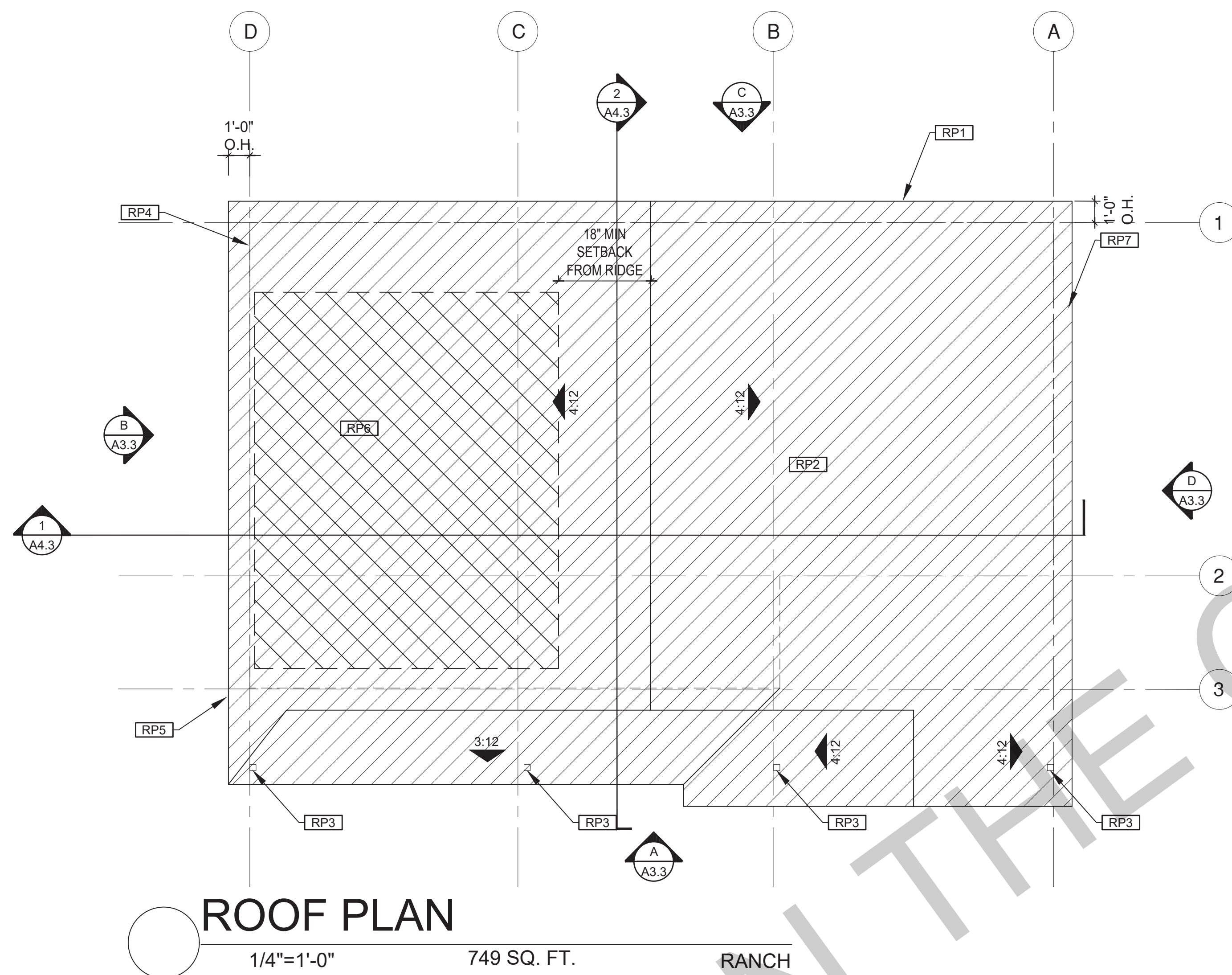
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Midcentury**

date 02-08-2023

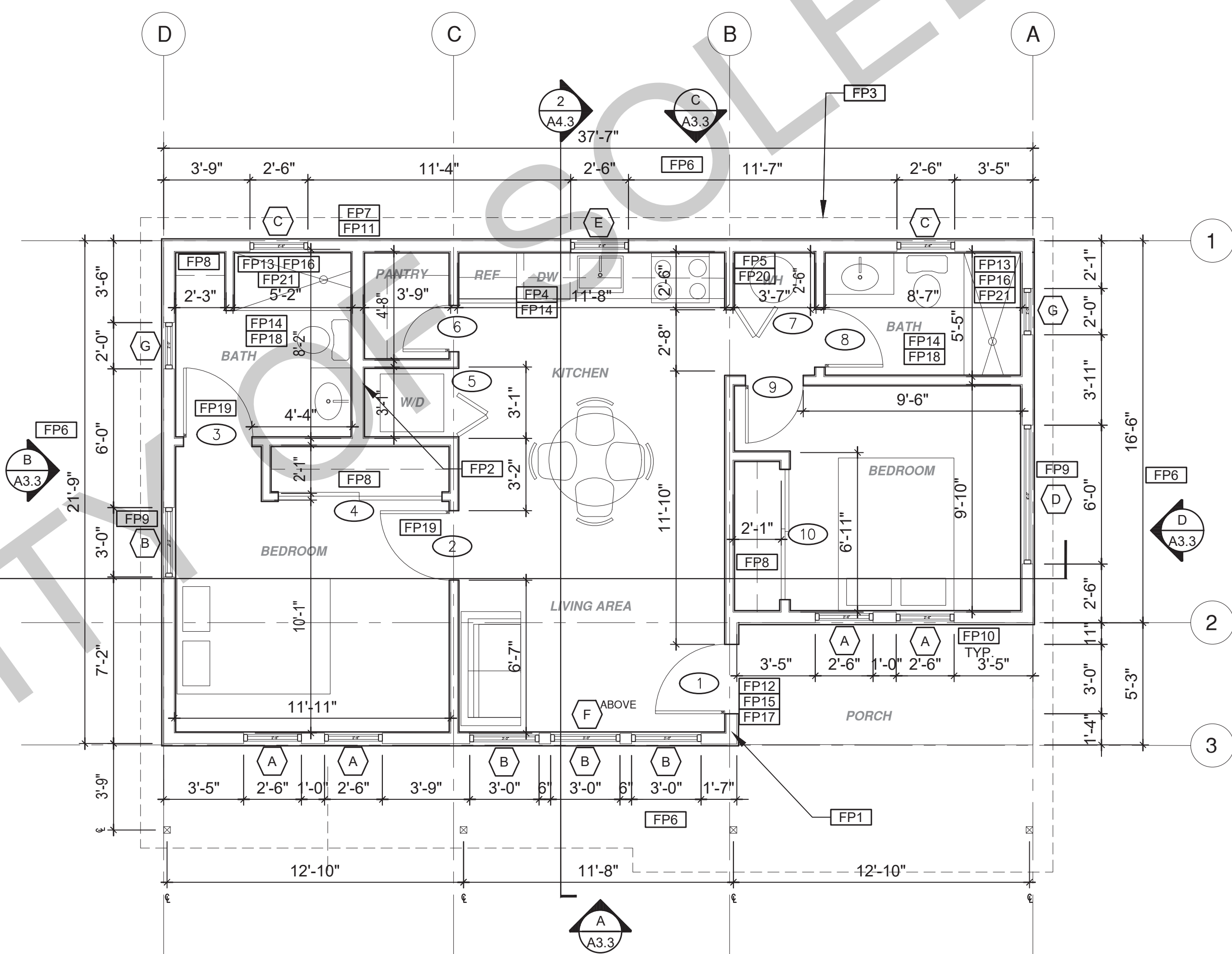
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**ROOF PLAN**  
1/4"=1'-0" 749 SQ. FT. RANCH



**FLOOR PLAN**  
1/4"=1'-0" 749 SQ. FT. RANCH

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description  
**Roof/Floor Plan  
Ranch**

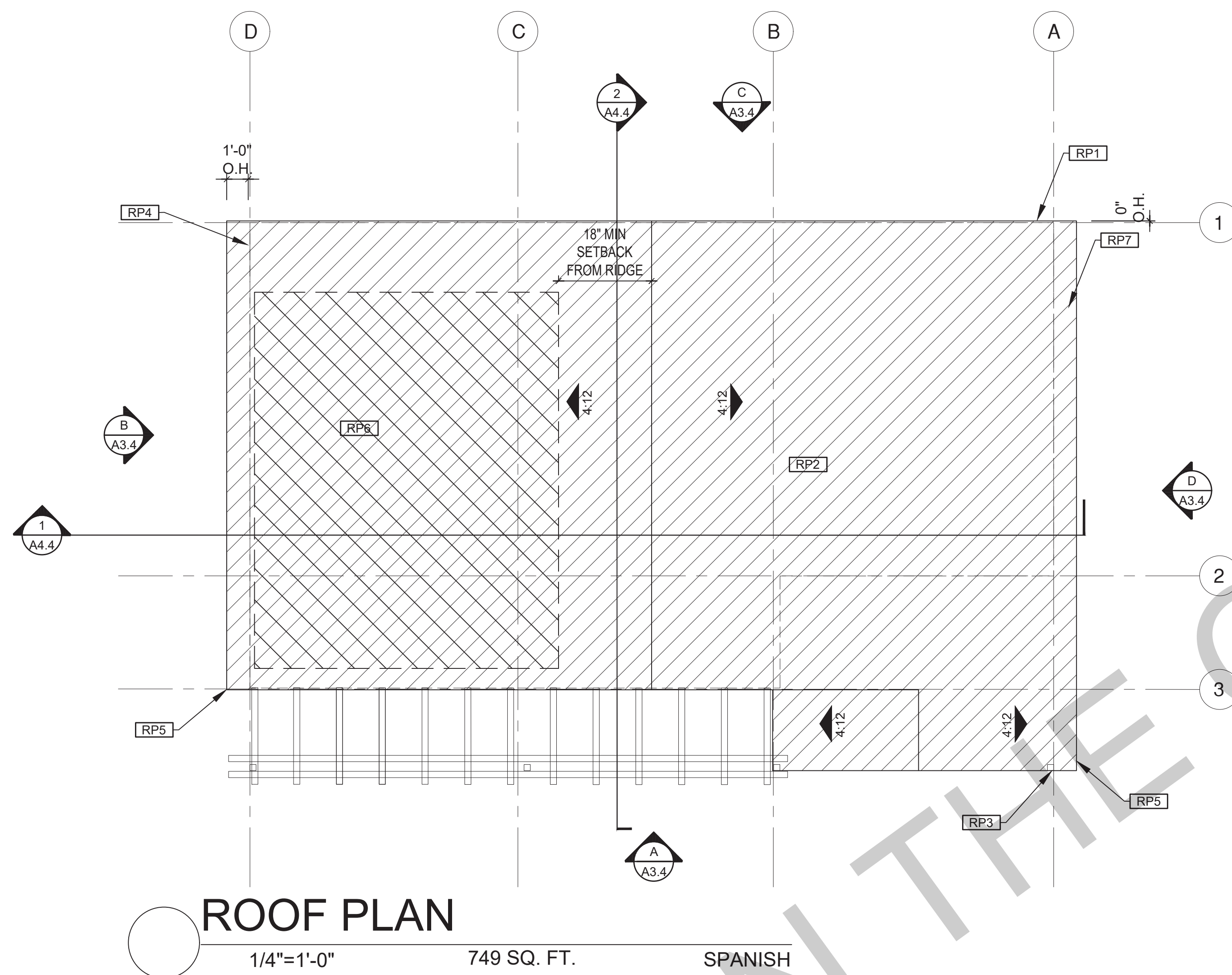
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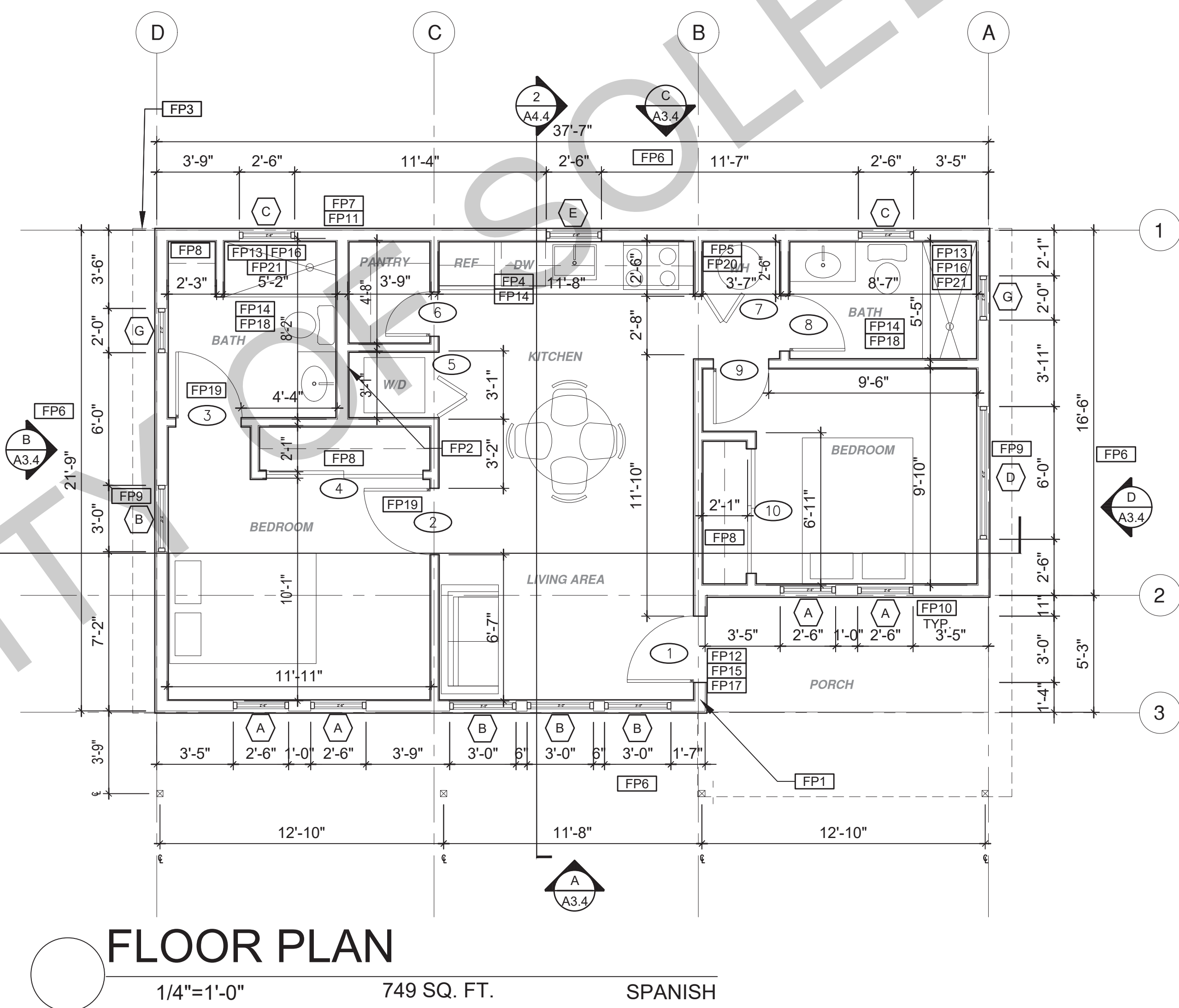
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ROOF KEYNOTES	FLOOR PLAN KEYNOTES	SOLAR READY NOTES	LEGEND	
<p><b>RP1</b> LINE OF ROOF OVERHANG</p> <p><b>RP2</b> CLASS A ROOFING MATERIAL. SEE GENERAL ROOF NOTE 13 ON SHEET G0.2</p> <p><b>RP3</b> SUPPORT POST BELOW</p> <p><b>RP4</b> LINE OF WALLS BELOW</p> <p><b>RP5</b> ROOF DOWNSPOUT LOCATION TO BE DETERMINED BY SITE SPECIFIC CONDITIONS</p> <p><b>RP6</b> DESIGNATED SOLAR PANEL AREA. PLEASE SEE SOLAR READY NOTES ON THIS SHEET</p> <p><b>RP7</b> RAFTER VENTS TO MEET REQUIRED VENTILATION AREA FOR ENCLOSED RAFTER SPACES. 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**ROOF PLAN**  
1/4"=1'-0" 749 SQ. FT. SPANISH



**FLOOR PLAN**  
1/4"=1'-0" 749 SQ. FT. SPANISH

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Plans

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description  
**Roof/Floor Plan  
Spanish**

date 02-08-2023

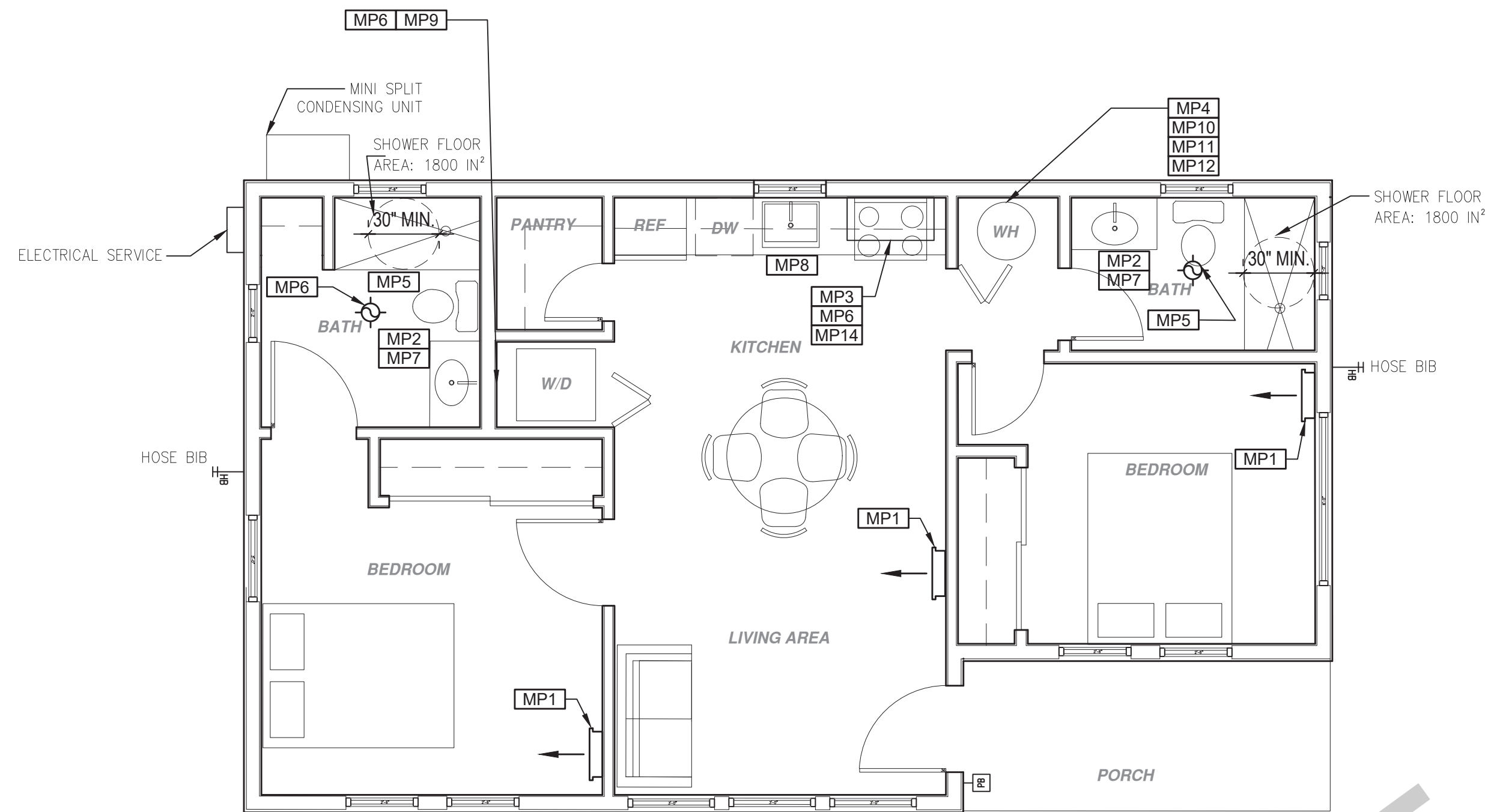
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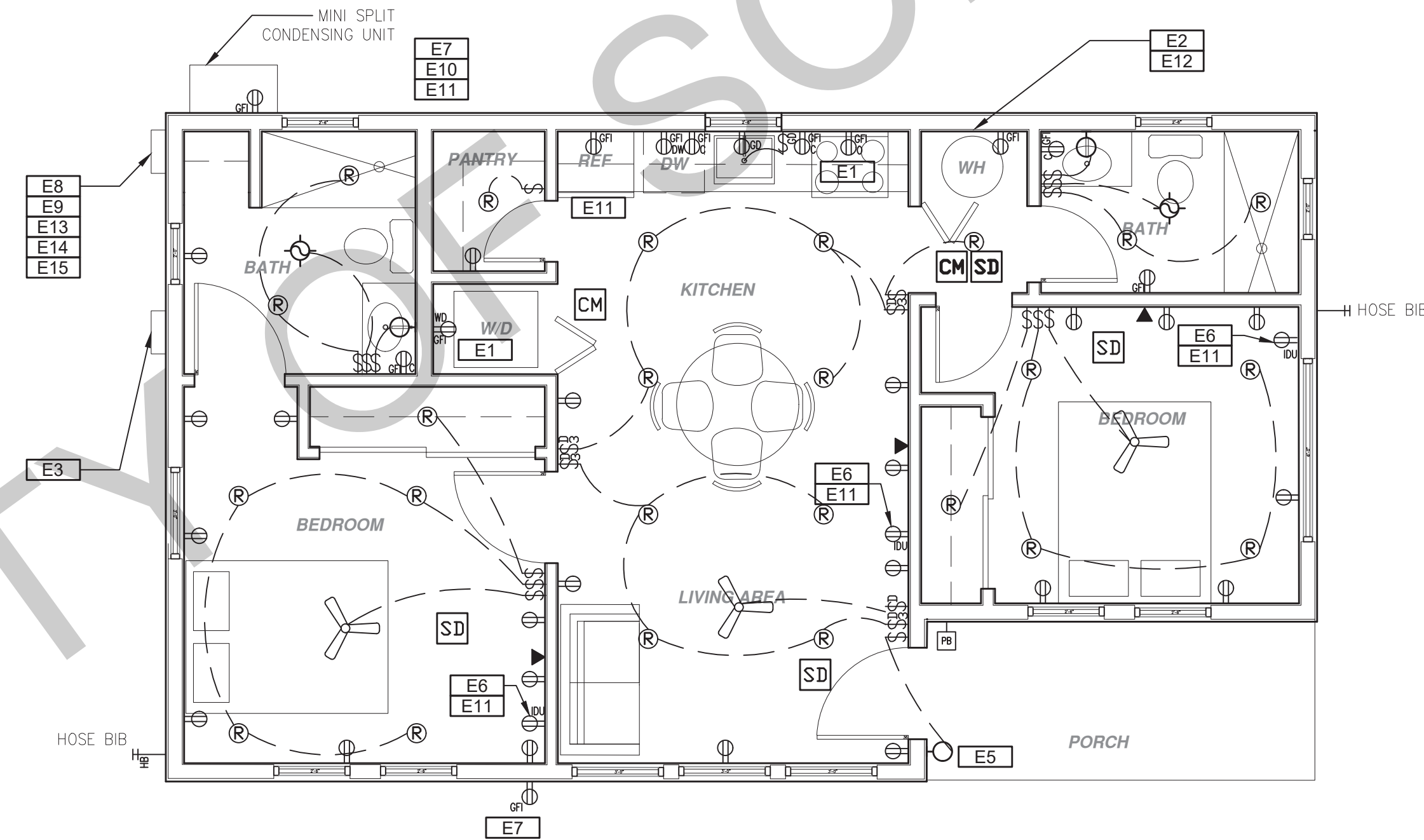
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SEE MECHANICAL / PLUMBING PLANS FOR FURTHER INFORMATION</p> <p><b>FP12</b> MIN. 1 HINGED ENTRY DOOR FOR EGRESS COMPLIANCE REQUIRED - THE EGRESS DOOR SHALL BE SIDE-HINGED AND SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32 INCHES WHERE MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP, WITH THE DOOR OPEN 90°. THE CLEAR HEIGHT OF THE DOOR OPENING SHALL BE NOT LESS THAN 78 INCHES IN HEIGHT MEASURED FROM THE TOP OF THE THRESHOLD TO THE BOTTOM OF THE STOP</p> <p><b>FP13</b> SURROUND AROUND THE SHOWER MUST BE TEMPERED. GLAZING IN THE WALLS/DOORS FACING OR CONTAINING BATHTUBS, SHOWERS, HOT TUBS, SPAS, WHIRLPOOLS, SAUNAS, STEAM ROOMS AND INDOOR/OUTDOOR SWIMMING POOLS WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60" ABOVE THE STANDING SURFACE. EXCEPTION: GLAZING THAT IS MORE THAN 60" MEASURED HORIZONTALLY FROM THE WATER'S EDGE OF A BATHTUB, HOT TUB, SPA, WHIRLPOOL OR SWIMMING POOL.</p> <p><b>FP14</b> PER SECTION 301.1.1 CALGREEN AND CIVIL CODE 1101.3(a). ALL PLUMBING FIXTURES SHALL BE COMPLIANT WATER-CONSERVING PLUMBING FIXTURES. SEE MECHANICAL / PLUMBING PLANS FOR FURTHER INFORMATION</p>	<p><b>FP15</b> LANDING OR FLOOR REQUIRED AT EACH SIDE OF EXTERIOR DOOR. WIDTH TO BE NOT LESS THAN THE DOOR SERVED AND HAVE A MIN 36 INCH DEPTH MEASURED IN THE DIRECTION OF TRAVEL. EXTERIOR LANDINGS SHALL BE PERMITTED TO HAVE A SLOPE NOT TO EXCEED 1/4" PER FOOT. LANDINGS OR FINISHED FLOORS AT EGRESS DOOR SHALL NOT BE MORE THAN 1.5" LOWER THAN THE TOP OF THE THRESHOLD FOR OUTWARD SWINGING DOORS OR 7.5" FOR DOORS THAT DO NOT SWING OUTWARD.</p> <p><b>FP16</b> WALL COVERING SHALL BE CEMENT PLASTER, TILE OR APPROVED EQUAL TO 12" ABOVE DRAIN AT SHOWERS OR TUB WITH SHOWERS. MATERIALS OTHER THAN STRUCTURAL ELEMENTS ARE TO BE MOISTURE RESISTANT. CRC R307.2</p> <p><b>FP17</b> DOOR BELL BUTTON TO BE NO MORE THAN 48" ABOVE EXTERIOR FLOOR OR LANDING</p> <p><b>FP18</b> WATER CLOSET AND SHOWER TO HAVE REINFORCEMENT IN WALLS 2X8 NOMINAL AT 32" TO 36" ABOVE FINISH FLOOR. SEE FLOOR PLAN GENERAL NOTE #32 ON SHEET G0.2 FOR FURTHER INFORMATION</p> <p><b>FP19</b> DOOR TO HAVE A NET CLEAR OPENING OF 32"</p> <p><b>FP20</b> DESIGNATED 2'-6" x 2'-6" x 7' TALL MINIMUM AREA FOR FUTURE INSTALLATION OF A HEAT PUMP WATER HEATER PER CEC 2022 SECTION 150.0(N)</p> <p><b>FP21</b> FURRING AS NEEDED FOR STANDARD TUB AND SHOWER LENGTH</p>	<p><b>SOLAR READY NOTES</b></p> <p>SOLAR READY ROOF AREA: MIN DIMENSION &gt; 5FT. MIN. SF. &gt; 80SF. PER CALIFORNIA ENERGY CODE SECTION 110.10(b)</p> <p>THE SOLAR ZONE SHALL COMPLY WITH ACCESS, PATHWAY, SMOKE VENTILATION, AND SPACING REQUIREMENTS AS SPECIFIED IN TILE 24, PART 9 OR OTHER PARTS OF TITLE 24 OR IN ANY REQUIREMENTS ADOPTED BY LOCAL JURISDICTION</p> <p>SINGLE FAMILY RESIDENCE. THE SOLAR ZONE SHALL BE LOCATED ON THE ROOF OR OVERHANG OF THE BUILDING AND HAVE A TOTAL AREA OF NO LESS THAN 250SQFT.</p> <p>FOR PHOTOVOLTAIC ARRAYS OCCUPYING NOT MORE THAN 33 PERCENT OF THE PLAN VIEW TOTAL ROOF AREA, NOT LESS THAN AN 18-INCH (457 MM) CLEAR SETBACK IS REQUIRED ON BOTH SIDES OF A HORIZONTAL RIDGE. FOR PHOTOVOLTAIC ARRAYS OCCUPYING MORE THAN 33 PERCENT OF THE PLAN VIEW TOTAL ROOF AREA, NOT LESS THAN A 36-INCH (914 MM) CLEAR SETBACK IS REQUIRED ON BOTH SIDES OF A HORIZONTAL RIDGE.</p> <p><b>VENTING CALCULATIONS</b></p> <p>ROOF VENTING: 1SF. OF ROOF VENTING PER 150 SF. OF ENCLOSED AREA OR ENCLOSED RAFTER AREA. ENCLOSED RAFTER AREA: 749 SF. VENTILATION AREA REQUIRED: 749 SF / 150SF = 4.99 SF. CONVERT TO SQ. IN: 4.99 SF. x 144 = 719 SQ. IN. MINIMUM VENTILATION AREA REQUIRED: 719 SQ. IN.</p>	<p><b>LEGEND</b></p> <p>SECTION CUT</p> <p>ELEVATION CALLOUT</p> <p>DETAIL DRAWING REF.</p> <p>WALL BELOW OR ROOF ABOVE</p> <p>SOLAR ZONE. REFER TO SOLAR NOTES ON SHEET G0.2</p> <p>ROOFING</p> <p>KEYNOTE</p> <p>DOOR SYMBOL</p> <p>WINDOW SYMBOL</p> <p>CEILING HEIGHTS</p> <p>VAULTED CEILING</p> <p>ROOF SLOPE</p>

SALINAS ADU - 2 BEDROOM 2A MINIMUM SIZE OF THE ELECTRICAL SERVICE - NEC ARTICLE 220.82		
<b>GENERAL ELECTRICAL LOAD REQUIREMENTS</b>		
INDOOR SQ. FT. AREA	749 S.F.	2,247VA
SMALL APPLIANCE CIRCUITS	3	1,500VA (EACH)
LAUNDRY CIRCUIT	1	1,500VA (EACH)
SUB-TOTAL =		8,247VA
<b>APPLIANCE &amp; MOTOR LOADS VA</b>		
DRYER	1	5,000VA
COOKTOP STOVE OR RANGE	1	2,400VA
WATER HEATER	1	4,500VA
DISHWASHER	1	600VA
DISPOSAL	1	600VA
ADDITIONAL APPLIANCES	1	4,000VA
SUB-TOTAL =		22,100VA
FIRST 10,000 VA @ 100% =		10,000VA
ADJUSTMENT 40% OF REMAINDER =		4,840VA
<b>HEATING &amp; AIR CONDITIONING VA</b>		
MINI SPLITS	3	2,250VA
SUB-TOTAL =		1,500VA
CALCULATED TOTAL VA LOAD WITH TYPICAL POWER FACTOR = 37,437VA		
CALCULATED TOTAL AMPS LOAD = 156 AMP		



## MECHANICAL / PLUMBING PLAN

1/4" = 1'-0"



## ELECTRICAL PLAN

1/4" = 1'-0"

BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT ACKNOWLEDGES, ACCEPTS AND VOLUNTARILY AFFIRMS THE FOLLOWING CONDITIONS:

1. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PERMIT READY ACCESSORY DWELLING UNIT (ADU) PROGRAM FOR THE CITY OF SOLEDAD ONLY. THIS IS A LIMITED SET OF STANDARDIZED ADU PLANS AND SPECIFICATIONS APPROVED BY THE CITY OF SOLEDAD BUILDING DEPARTMENT. BUILDING CODES DO CHANGE OVER TIME AND RECIPIENT SHALL ENSURE FULL COMPLIANCE UNDER ALL CODES THEN IN EFFECT AT THE TIME OF THE SUBJECT PERMIT. THIS DOES NOT ELIMINATE OR REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S WORK AND RESPONSIBILITY ON THIS PROJECT. DESIGN PATH STUDIO SHALL NOT BE RESPONSIBLE FOR TRANSLATION ERRORS. DO NOT USE THESE CONSTRUCTION DOCUMENTS IF THE PERMIT HAS EXPIRED OR IS REVOKED AT ALL.
2. THE RECIPIENT RECOGNIZES AND ACKNOWLEDGES THAT THE USE OF THIS INFORMATION WILL BE AT THEIR SOLE RISK AND WITHOUT ANY LIABILITY OR WARRANTIES OF ANY NATURE, WHETHER EXPRESS OR IMPLIED, SHALL ATTACH TO THESE DOCUMENTS AND THE INFORMATION CONTAINED THEREON. ANY USE, REUSE, OR ALTERATION OF THESE DOCUMENTS BY THE RECIPIENT OR BY OTHERS WILL BE AT THE RECIPIENT'S RISK AND FULL LEGAL RESPONSIBILITY. FURTHERMORE, THE RECIPIENT WILL TO THE FULLEST EXTENT PERMITTED BY LAW, DEFEND, INDEMNIFY AND HOLD DESIGN PATH STUDIO AND ITS ARCHITECTS HARMLESS FROM ANY AND ALL CLAIMS, SUITS, LIABILITY, DEMANDS, JUDGMENTS, OR COSTS ARISING OUT OF OR RESULTING THEREFROM ANY USE OF THESE CONSTRUCTION DOCUMENTS FOR OR ON ACCOUNT OF ANY INJURY, DEATH, DAMAGE OR LOSS TO PERSONS OR PROPERTY, DIRECT OR CONSEQUENTIAL DAMAGES IN ANY AMOUNT. THIS INDEMNITY DOES NOT APPLY TO THE SOLE NEGLIGENCE OR WILLFUL MISCONDUCT OF DESIGN PATH STUDIO OR ITS ARCHITECTS.
3. THE DESIGNS REPRESENTED BY THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION.
4. IF THE RECIPIENT DOES NOT AGREE WITH THE ABOVE CONDITIONS, DO NOT PROCEED WITH CONSTRUCTION OF AN ADU OR OTHER IMPROVEMENT UNDER THESE PLANS AT ALL.

project  
City of Soledad  
Pre-Approved ADU  
Plans

revisions  
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△

description  
**Mechanical/  
Plumbing/  
Electrical  
Plan**

date 02-08-2023

project no.

drawn by

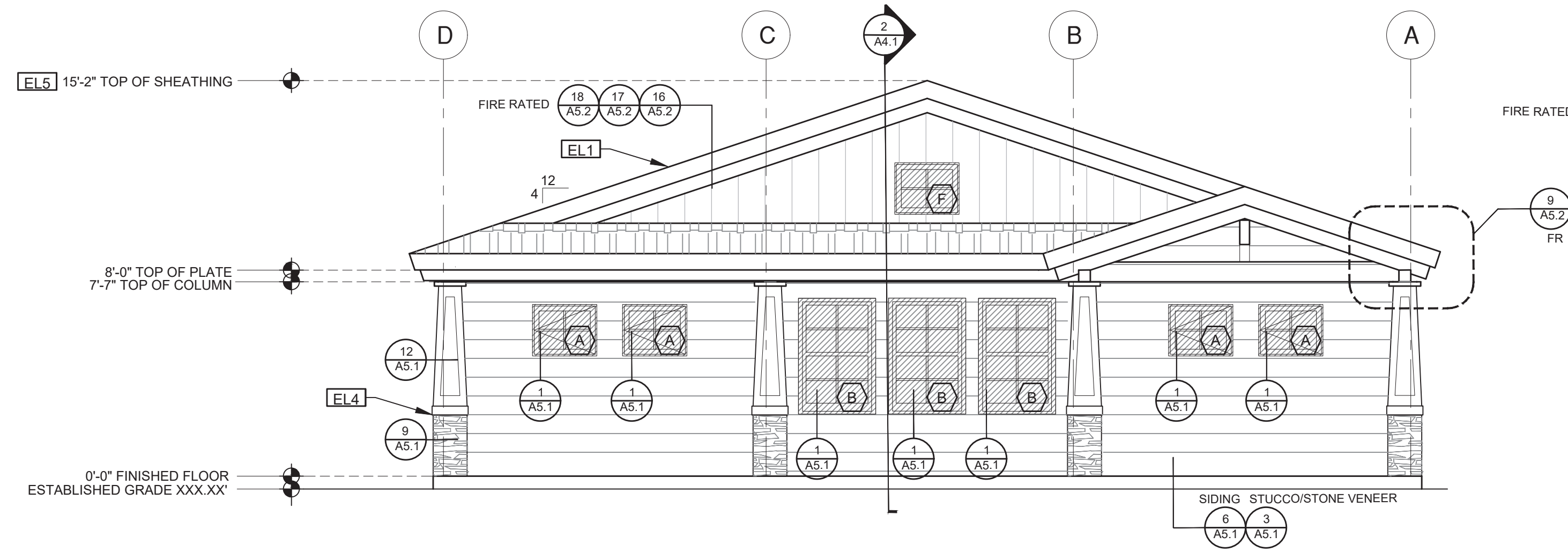
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**A2.1**

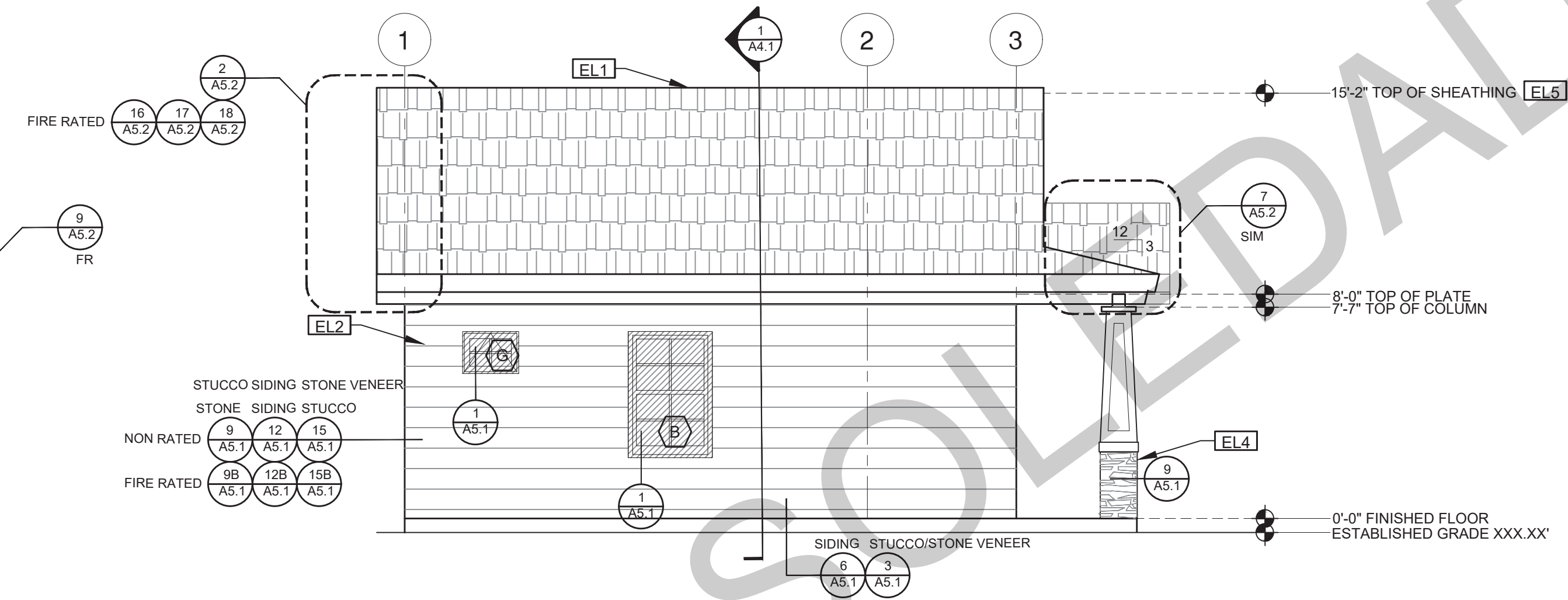
MECHANICAL / PLUMBING KEYNOTES		ELECTRICAL KEYNOTES		MECHANICAL / PLUMBING LEGEND		ELECTRICAL LEGEND		
<b>MP1</b> INDOOR UNIT MINI SPLIT SYSTEM.	<b>MP9</b> DRYER EXHAUST OUTLET FROM DRYER TO EXTERIOR MAX LENGTH 16' WITH MAXIMUM OF TWO 90° ELBOWS EXHAUST VENT MUST TERMINATE A MIN. OF 3' FROM ANY OPENING. MIN. TYPE 1 CLOTHES DRYER EXHAUST DUCTS SHALL BE OF RIGID METAL & SHALL HAVE SMOOTH INTERIOR SURFACES. THE DIAMETER SHALL BE NOT LESS THAN 4 INCHES NOMINAL (100 MM), & THE THICKNESS SHALL BE NOT LESS THAN 0.015 OF AN INCH (0.406 MM). EXHAUST DUCTS & DRYER VENTS SHALL BE EQUIPPED WITH BACK DRAFT DAMPERS	<b>E1</b> DEDICATED 30 AMP/ 240V POWER FOR ELECTRIC DRYER OR OVEN. VERIFY REQUIREMENTS WITH APPLIANCE SPECIFICATIONS. ELECTRIC COOKTOP READY REQUIREMENTS ARE TO BE IMPLEMENTED. SEE SHEET G0.2. ELECTRIC READY 150 (0A) FOR REQUIREMENTS	<b>E10</b> OUTDOOR CONDENSING UNIT RECEPTACLE OUTLET SHALL BE INSTALLED AT AN ACCESSIBLE LOCATION FOR THE SERVICING OF THE HEATING AND COOLING EQUIPMENT AND SHALL BE LOCATED ON THE SAME LEVEL AND WITHIN 25 FEET OF THE EQUIPMENT. THIS RECEPTACLE SHALL BE GFCI-WP PROTECTED.	<b>MECHANICAL</b> EXHAUST FAN: MINIMUM 50 CFM TO BE DUCTED TO THE EXTERIOR AND SHALL PROVIDE FIVE AIR CHANGES PER HOUR. SECTION 1203.3. CFM AND NOISE RATING MAXIMUM 3 SONE FOR INTERMITTENT USE. SHALL BE ENERGY STAR RATED AND CONTROLLED BY A HUMIDISTAT CAPABLE OF AN ADJUSTMENT BETWEEN 50-80% HUMIDITY. DUCT SYSTEMS ARE SIZED, DESIGNED AND EQUIPMENT IS SELECTED USING THE FOLLOWING METHODS: 1. ESTABLISH HEAT LOSS AND HEAT GAIN VALUES ACCORDING TO ANSI/ACCA 2 MANUAL J-2011 OR EQUIVALENT. 2. SIZE DUCT SYSTEMS ACCORDING TO ANSI/ACCA 1 MANUAL D-2014 OR EQUIVALENT 3. SELECT HEATING AND COOLING EQUIPMENT ACCORDING TO ANSI/ACCA 3 MANUAL S-2014 OR EQUIVALENT.	<b>FIRE DETECTION</b> SMOKE DETECTORS PER SECTION R314 DETECTORS SHALL BE PERMANENTLY WIRED WITH BATTERY BACKUP. SOUND AN ALARM AUDIBLE IN ALL SLEEPING AREAS. ALARM DEVICES SHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTUATION OF ONE ALARM WILL ACTIVATE ALL OF THE ALARMS IN THE UNIT. SHALL COMPLY WITH THE FOLLOWING: • AT LEAST 3' FROM THE TIP OF THE BLADE OF A CEILING-MOUNTED FAN • NOT LESS THAN 3' FROM THE DOOR OPENING OF A BATHROOM • AT LEAST 20" FROM A COOKING APPLIANCE OR 10" FROM COOKING APPLIANCE WHEN THE ALARM IS AN IONIZING SMOKE ALARM PER NFPA 72 SECTION 29.8.3.4 ITEM 4 • AT LEAST 3' FROM SUPPLY REGISTERS OF A HEATING/COOLING SYSTEM CARBON MONOXIDE ALARM PER SECTION R315. ALARMS SHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTUATION OF ONE ALARM WILL ACTIVATE ALL OF THE ALARMS IN THE UNIT.	<b>POWER/DATA</b> TAMPER RESISTANT RECEPTACLE WALL MOUNTED, 110 V DUPLEX U.O.N. GF = WATER PROOF GFCI CT = COOKTOP GRILL 240 V O = OVEN 240 V MW = MICROWAVE 110 V GD = GARBAGE DISPOSAL 110 V R = RANGE 200V C = COUNTER HEIGHT 6" ABV COUNTER IDU = INDOOR UNIT POWER 84" AFF 30AMP/240AMP PHONE / DATA / MEDIA CEILING, WATERPROOF OUTLET FLOOR MOUNTED DUPLEX RECEPTACLE, VERIFY LOCATION IN FIELD. SPECIAL PURPOSE CONNECTION (VOLTAGE SHALL MATCH APPLIANCE REQ.) SUB PANEL	<b>SWITCHING</b> SWITCH MOUNT AT 43" AFF THREE-WAY SWITCH FOUR-WAY SWITCH DIMMER SWITCH MOUNT 6" ABV COUNTER CEILING FANLIGHT COMBO CIRCUIT WIRING DOOR BELL BUTTON	<b>LIGHTING</b> CEILING, RECESSED, DIRECTIONAL, ZERO CLEARANCE IC RATED LED BULB CEILING, RECESSED, ZERO CLEARANCE IC RATED LED BULB CEILING, RECESSED, ZERO CLEARANCE IC RATED, WATER RESISTANT, LED BULB WALL MOUNTED LIGHT JUNCTION BOX FLUSH CEILING MOUNTED UNDER COUNTER LIGHTING LOW VOLTAGE, LANDSCAPE LIGHT FLUORESCENT FIXTURE (USE SHALLOW TYPE WHEN UNDER COUNTER)
<b>MP2</b> WATER CONSERVING FIXTURES: NEW WATER CLOSETS SHALL USE NO MORE THAN 1.28 GAL. OF WATER PER FLUSH. LAVATOIRES LIMITED TO 1.2 GPM. KITCHEN FAUCETS NOT TO EXCEED 1.8 GPM AT 60 PSI THEY CAN INCREASE THE FLOW MOMENTARILY BUT CANT EXCEED 2.2GALLONS PER MIN. AT 60 PSI AND MUST DEFAULT TO A MAX. FLOW RATE OF 1.8GALLONS PER MIN AT 60 PSI. AND SHOWERS NOT EXCEED 1.8 GPM AT 60 PSI AND ALL SHALL BE CERTIFIED TO MEET THE PERFORMANCE CRITERIA OF THE EPA WATERSENSE SPECIFICATIONS FOR SHOWERHEADS. CPC SECTIONS 407, 408, 411, 412 AND SECTION 301.11 CALGREEN CODE AND CIVL CODE 1101.3(d)	<b>MP10</b> NEW WATER HEATER WITH T&P RELIEF VALVE AND DISCHARGE PIPE AT EXTERIOR. PROVIDE COMBUSTION AIR AND CLEARANCES PER MANUFACTURER REQUIREMENTS.	<b>E11</b> A DISCONNECTING MEANS CAPABLE OF DISCONNECTING AIR-CONDITIONING AND REFRIGERATING EQUIPMENT, INCLUDING MOTOR-COMPRESSORS AND CONTROLLERS FROM THE CIRCUIT CONDUCTOR IS REQUIRED WITHIN SIGHT FROM THE EQUIPMENT LOCATION PER CEC SECTION 440.11	<b>E11A</b> DISCONNECTING MEANS CAPABLE OF DISCONNECTING AIR-CONDITIONING AND REFRIGERATING EQUIPMENT, INCLUDING MOTOR-COMPRESSORS AND CONTROLLERS FROM THE CIRCUIT CONDUCTOR IS REQUIRED WITHIN SIGHT FROM THE EQUIPMENT LOCATION PER CEC SECTION 440.11	<b>MECHANICAL / PLUMBING LEGEND</b> RETURN AIR GRILLE, WALL MOUNTED SUPPLY AIR DIFFUSER, WALL MOUNTED THERMOSTAT HOSE BIB	<b>ELECTRICAL LEGEND</b> SMOKE DETECTORS PER SECTION R314 CARBON MONOXIDE ALARM PER SECTION R315	<b>SWITCHING</b> SWITCH MOUNT AT 43" AFF THREE-WAY SWITCH FOUR-WAY SWITCH DIMMER SWITCH MOUNT 6" ABV COUNTER CEILING FANLIGHT COMBO CIRCUIT WIRING DOOR BELL BUTTON	<b>LIGHTING</b> CEILING, RECESSED, DIRECTIONAL, ZERO CLEARANCE IC RATED LED BULB CEILING, RECESSED, ZERO CLEARANCE IC RATED LED BULB CEILING, RECESSED, ZERO CLEARANCE IC RATED, WATER RESISTANT, LED BULB WALL MOUNTED LIGHT JUNCTION BOX FLUSH CEILING MOUNTED UNDER COUNTER LIGHTING LOW VOLTAGE, LANDSCAPE LIGHT FLUORESCENT FIXTURE (USE SHALLOW TYPE WHEN UNDER COUNTER)	
<b>MP3</b> EXHAUST HOOD ABOVE/ TO BE SMOOTH METALLIC INTERIOR SURFACE (CMC 504.3)	<b>MP11</b> NEW WATER HEATERS SHALL HAVE ISOLATION VALVES ON BOTH THE COLD AND THE HOT WATER PIPING LEAVING THE WATER HEATER COMPLETE WITH HOSE BIBS OR OTHER FITTINGS ON EACH VALVES FOR FLUSHING THE WATER HEATER WHEN THE VALVES ARE CLOSED	<b>E12</b> PER CEC 2022 150.0(N), 1(A). THE DESIGNATED SPACE IS WITHIN 3 FEET FROM THE WATER HEATER AND IS TO COMPLY WITH ELECTRICAL NOTES 15816 ON SHEET G0.2	<b>E12</b> PER CEC 2022 150.0(N), 1(A). THE DESIGNATED SPACE IS WITHIN 3 FEET FROM THE WATER HEATER AND IS TO COMPLY WITH ELECTRICAL NOTES 15816 ON SHEET G0.2	<b>MECHANICAL / PLUMBING LEGEND</b> RETURN AIR GRILLE, WALL MOUNTED SUPPLY AIR DIFFUSER, WALL MOUNTED THERMOSTAT HOSE BIB	<b>ELECTRICAL LEGEND</b> SMOKE DETECTORS PER SECTION R314 CARBON MONOXIDE ALARM PER SECTION R315	<b>SWITCHING</b> SWITCH MOUNT AT 43" AFF THREE-WAY SWITCH FOUR-WAY SWITCH DIMMER SWITCH MOUNT 6" ABV COUNTER CEILING FANLIGHT COMBO CIRCUIT WIRING DOOR BELL BUTTON	<b>LIGHTING</b> CEILING, RECESSED, DIRECTIONAL, ZERO CLEARANCE IC RATED LED BULB CEILING, RECESSED, ZERO CLEARANCE IC RATED LED BULB CEILING, RECESSED, ZERO CLEARANCE IC RATED, WATER RESISTANT, LED BULB WALL MOUNTED LIGHT JUNCTION BOX FLUSH CEILING MOUNTED UNDER COUNTER LIGHTING LOW VOLTAGE, LANDSCAPE LIGHT FLUORESCENT FIXTURE (USE SHALLOW TYPE WHEN UNDER COUNTER)	
<b>MP4</b> NEW 40 GAL. HEAT PUMP WATER HEATER - TO HAVE CONDENSATE DRAIN INSTALLED NO HIGHER THAN 2" ABOVE THE BASE OF THE HEATER THAT ALSO ALLOWS GRAVITY DRAINAGE	<b>MP12</b> ALL DOMESTIC HOT WATER PIPING TO HAVE THE FOLLOWING MINIMUM INSULATION INSTALLED: 3" PIPE (3" INSULATION); 2" PIPE (1" INSULATION); 1" TO 1-1/2" PIPE (1-1/2" INSULATION)	<b>E13</b> MAIN PANELBOARD LOCATION SHALL HAVE A MINIMUM BUSBAR RATING OF 225 AMPS.	<b>E13</b> MAIN PANELBOARD LOCATION SHALL HAVE A MINIMUM BUSBAR RATING OF 225 AMPS.	<b>MECHANICAL / PLUMBING LEGEND</b> RETURN AIR GRILLE, WALL MOUNTED SUPPLY AIR DIFFUSER, WALL MOUNTED THERMOSTAT HOSE BIB	<b>ELECTRICAL LEGEND</b> SMOKE DETECTORS PER SECTION R314 CARBON MONOXIDE ALARM PER SECTION R315	<b>SWITCHING</b> SWITCH MOUNT AT 43" AFF THREE-WAY SWITCH FOUR-WAY SWITCH DIMMER SWITCH MOUNT 6" ABV COUNTER CEILING FANLIGHT COMBO CIRCUIT WIRING DOOR BELL BUTTON	<b>LIGHTING</b> CEILING, RECESSED, DIRECTIONAL, ZERO CLEARANCE IC RATED LED BULB CEILING, RECESSED, ZERO CLEARANCE IC RATED LED BULB CEILING, RECESSED, ZERO CLEARANCE IC RATED, WATER RESISTANT, LED BULB WALL MOUNTED LIGHT JUNCTION BOX FLUSH CEILING MOUNTED UNDER COUNTER LIGHTING LOW VOLTAGE, LANDSCAPE LIGHT FLUORESCENT FIXTURE (USE SHALLOW TYPE WHEN UNDER COUNTER)	
<b>MP5</b> CONTROL VALVES IN SHOWERS, BATHTUBS, & BIDETS MUST BE PRESSURE-BALANCED OR THERMOSTATIC MIX VALVES	<b>MP13</b> OUTDOOR CONDENSING UNIT TO BE PIPED TO INDOOR HVAC UNIT	<b>E14</b> ALL SINGLE-FAMILY RESIDENCES THAT INCLUDE ONE OR TWO DWELLING UNITS SHALL MEET THE FOLLOWING ENERGY STORAGE SYSTEMS (ESS) READY REQUIREMENTS. ALL ELECTRICAL COMPONENTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CEC. SEE SHEET G0.2. ELECTRIC READY 150 (0A) FOR REQUIREMENTS	<b>E14</b> ALL SINGLE-FAMILY RESIDENCES THAT INCLUDE ONE OR TWO DWELLING UNITS SHALL MEET THE FOLLOWING ENERGY STORAGE SYSTEMS (ESS) READY REQUIREMENTS. ALL ELECTRICAL COMPONENTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CEC. SEE SHEET G0.2. ELECTRIC READY 150 (0A) FOR REQUIREMENTS	<b>MECHANICAL / PLUMBING LEGEND</b> RETURN AIR GRILLE, WALL MOUNTED SUPPLY AIR DIFFUSER, WALL MOUNTED THERMOSTAT HOSE BIB	<b>ELECTRICAL LEGEND</b> SMOKE DETECTORS PER SECTION R314 CARBON MONOXIDE ALARM PER SECTION R315	<b>SWITCHING</b> SWITCH MOUNT AT 43" AFF THREE-WAY SWITCH FOUR-WAY SWITCH DIMMER SWITCH MOUNT 6" ABV COUNTER CEILING FANLIGHT COMBO CIRCUIT WIRING DOOR BELL BUTTON	<b>LIGHTING</b> CEILING, RECESSED, DIRECTIONAL, ZERO CLEARANCE IC RATED LED BULB CEILING, RECESSED, ZERO CLEARANCE IC RATED LED BULB CEILING, RECESSED, ZERO CLEARANCE IC RATED, WATER RESISTANT, LED BULB WALL MOUNTED LIGHT JUNCTION BOX FLUSH CEILING MOUNTED UNDER COUNTER LIGHTING LOW VOLTAGE, LANDSCAPE LIGHT FLUORESCENT FIXTURE (USE SHALLOW TYPE WHEN UNDER COUNTER)	
<b>MP6</b> MINIMUM OF 3 FT CLEARANCE TO ANY OPENING INTO BUILDING FOR EXHAUST FAN TERMINATIONS	<b>MP14</b> RANGE HOOD DUCTED TO EXTERIOR. FAN IS TO BE EITHER INTERMITTENT 100CFM OR CONTINUOUS 5 AIR CHANGES PER HOUR AND MUST HAVE A SONE RATING OF 1 FOR CONTINUOUS FAN AND 3 FOR INTERMITTENT FAN	<b>E15</b> SUFFICIENT SPACE SHALL BE RESERVED TO ALLOW FUTURE INSTALLATION OF A SYSTEM ISOLATION EQUIPMENT/TRANSFER SWITCH WITHIN 3FT OF THE MAIN PANELBOARD. RACEWAYS SHALL BE INSTALLED BETWEEN THE PANELBOARD & THE SYSTEM ISOLATION EQUIPMENT/TRANSFER SWITCH LOCATION TO ALLOW THE CONNECTION OF BACKUP POWER SOURCE.	<b>E15</b> SUFFICIENT SPACE SHALL BE RESERVED TO ALLOW FUTURE INSTALLATION OF A SYSTEM ISOLATION EQUIPMENT/TRANSFER SWITCH WITHIN 3FT OF THE MAIN PANELBOARD. RACEWAYS SHALL BE INSTALLED BETWEEN THE PANELBOARD & THE SYSTEM ISOLATION EQUIPMENT/TRANSFER SWITCH LOCATION TO ALLOW THE CONNECTION OF BACKUP POWER SOURCE.	<b>MECHANICAL / PLUMBING LEGEND</b> RETURN AIR GRILLE, WALL MOUNTED SUPPLY AIR DIFFUSER, WALL MOUNTED THERMOSTAT HOSE BIB	<b>ELECTRICAL LEGEND</b> SMOKE DETECTORS PER SECTION R314 CARBON MONOXIDE ALARM PER SECTION R315	<b>SWITCHING</b> SWITCH MOUNT AT 43" AFF THREE-WAY SWITCH FOUR-WAY SWITCH DIMMER SWITCH MOUNT 6" ABV COUNTER CEILING FANLIGHT COMBO CIRCUIT WIRING DOOR BELL BUTTON	<b>LIGHTING</b> CEILING, RECESSED, DIRECTIONAL, ZERO CLEARANCE IC RATED LED BULB CEILING, RECESSED, ZERO CLEARANCE IC RATED LED BULB CEILING, RECESSED, ZERO CLEARANCE IC RATED, WATER RESISTANT, LED BULB WALL MOUNTED LIGHT JUNCTION BOX FLUSH CEILING MOUNTED UNDER COUNTER LIGHTING LOW VOLTAGE, LANDSCAPE LIGHT FLUORESCENT FIXTURE (USE SHALLOW TYPE WHEN UNDER COUNTER)	
<b>MP7</b> CLEARANCE FOR WATER CLOSET TO BE A MIN. OF 24" FRONT AND 15" FROM ITS CENTER TO ANY SIDE WALL OR OBSTRUCTION. (CPC 402.5)				<b>MECHANICAL / PLUMBING LEGEND</b> RETURN AIR GRILLE, WALL MOUNTED SUPPLY AIR DIFFUSER, WALL MOUNTED THERMOSTAT HOSE BIB	<b>ELECTRICAL LEGEND</b> SMOKE DETECTORS PER SECTION R314 CARBON MONOXIDE ALARM PER SECTION R315	<b>SWITCHING</b> SWITCH MOUNT AT 43" AFF THREE-WAY SWITCH FOUR-WAY SWITCH DIMMER SWITCH MOUNT 6" ABV COUNTER CEILING FANLIGHT COMBO CIRCUIT WIRING DOOR BELL BUTTON	<b>LIGHTING</b> CEILING, RECESSED, DIRECTIONAL, ZERO CLEARANCE IC RATED LED BULB CEILING, RECESSED, ZERO CLEARANCE IC RATED LED BULB CEILING, RECESSED, ZERO CLEARANCE IC RATED, WATER RESISTANT, LED BULB WALL MOUNTED LIGHT JUNCTION BOX FLUSH CEILING MOUNTED UNDER COUNTER LIGHTING LOW VOLTAGE, LANDSCAPE LIGHT FLUORESCENT FIXTURE (USE SHALLOW TYPE WHEN UNDER COUNTER)	
<b>MP8</b> THE 1/2" SIZE HOT WATER PIPE TO THE KITCHEN SINK AND THE COLD WATER PIPE WITHIN 5' OF WATER HEATER BOTH REQUIRE 1" INSULATION				<b>MECHANICAL / PLUMBING LEGEND</b> RETURN AIR GRILLE, WALL MOUNTED SUPPLY AIR DIFFUSER, WALL MOUNTED THERMOSTAT HOSE BIB	<b>ELECTRICAL LEGEND</b> SMOKE DETECTORS PER SECTION R314 CARBON MONOXIDE ALARM PER SECTION R315	<b>SWITCHING</b> SWITCH MOUNT AT 43" AFF THREE-WAY SWITCH FOUR-WAY SWITCH DIMMER SWITCH MOUNT 6" ABV COUNTER CEILING FANLIGHT COMBO CIRCUIT WIRING DOOR BELL BUTTON	<b>LIGHTING</b> CEILING, RECESSED, DIRECTIONAL, ZERO CLEARANCE IC RATED LED BULB CEILING, RECESSED, ZERO CLEARANCE IC RATED LED BULB CEILING, RECESSED, ZERO CLEARANCE IC RATED, WATER RESISTANT, LED BULB WALL MOUNTED LIGHT JUNCTION BOX FLUSH CEILING MOUNTED UNDER COUNTER LIGHTING LOW VOLTAGE, LANDSCAPE LIGHT FLUORESCENT FIXTURE (USE SHALLOW TYPE WHEN UNDER COUNTER)	
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**BATHROOM EXHAUST FAN REQUIREMENTS:** PER CGBC 4.506.1. EACH BATHROOM SHALL BE MECHANICALLY VENTILATED AND SHALL COMPLY WITH THE FOLLOWING: 1. FANS SHALL BE ENERGY STAR COMPLIANT AND BE DUCTED TO TERMINATE OUTSIDE THE BUILDING. 2. UNLESS FUNCTIONING AS A COMPONENT OF A WHOLE HOUSE VENTILATION SYSTEM, FANS MUST BE CONTROLLED BY A HUMIDITY CONTROL. A. HUMIDITY CONTROLS SHALL BE CAPABLE OF ADJUSTMENT BETWEEN A RELATIVE HUMIDITY RANGE OF <= 50% TO A MAXIMUM OF 80%. A HUMIDITY CONTROL MAY UTILIZE MANUAL OR AUTOMATIC MEANS OF ADJUSTMENT. B. A HUMIDITY CONTROL MAY BE A SEPARATE COMPONENT TO EXHAUST FAN AND IS NOT REQUIRED TO BE INTEGRAL (I.E. BUILT IN)

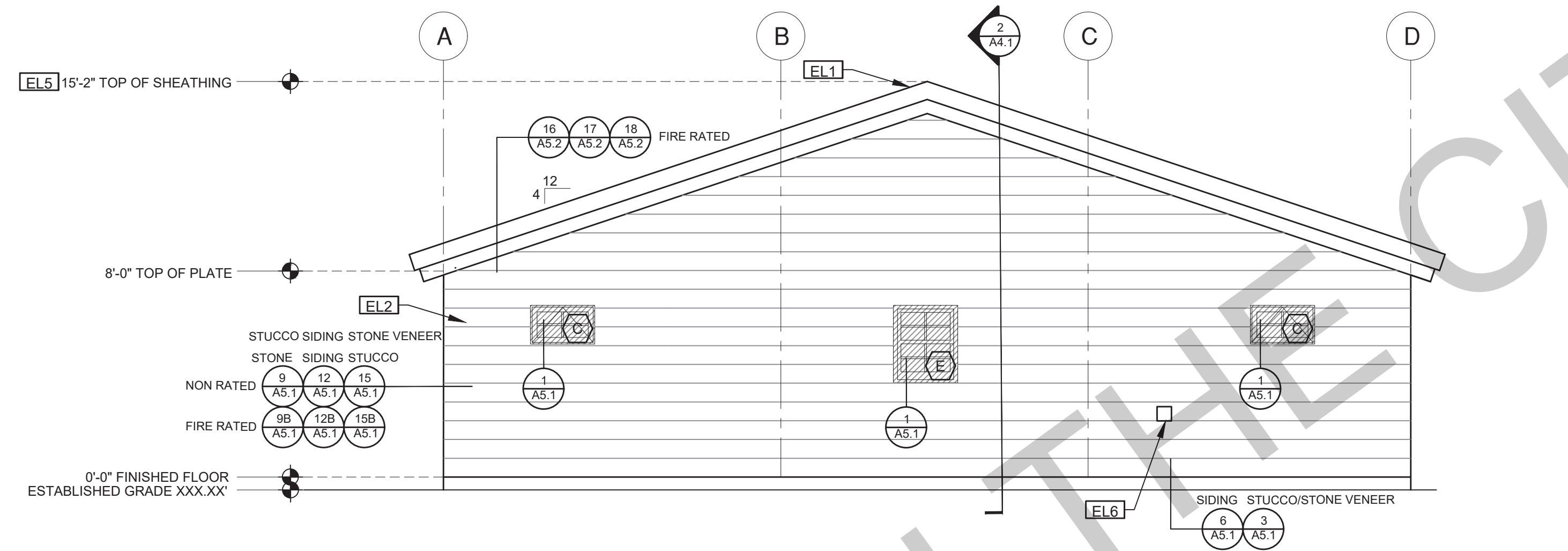
**RESIDENTIAL ENERGY LIGHTING REQUIREMENTS: ES 150.0(K).**  
\*IN THE KITCHEN, AT LEAST ONE-HALF OF THE WATTAGE RATINGS OF THE FIXTURES MUST BE HIGH EFFICACY.  
\*IN THE BATHROOMS, AT LEAST ONE FIXTURE SHALL BE HIGH EFFICACY AND ALL REMAINING FIXTURES SHALL BE HIGH EFFICACY OR BE CONTROLLED BY A VACANCY SENSOR.  
\*LIGHTING INSTALLED IN GARAGES, LAUNDRY ROOMS, AND UTILITY ROOMS SHALL BE HIGH EFFICACY AND BE CONTROLLED BY VACANCY SENSORS.



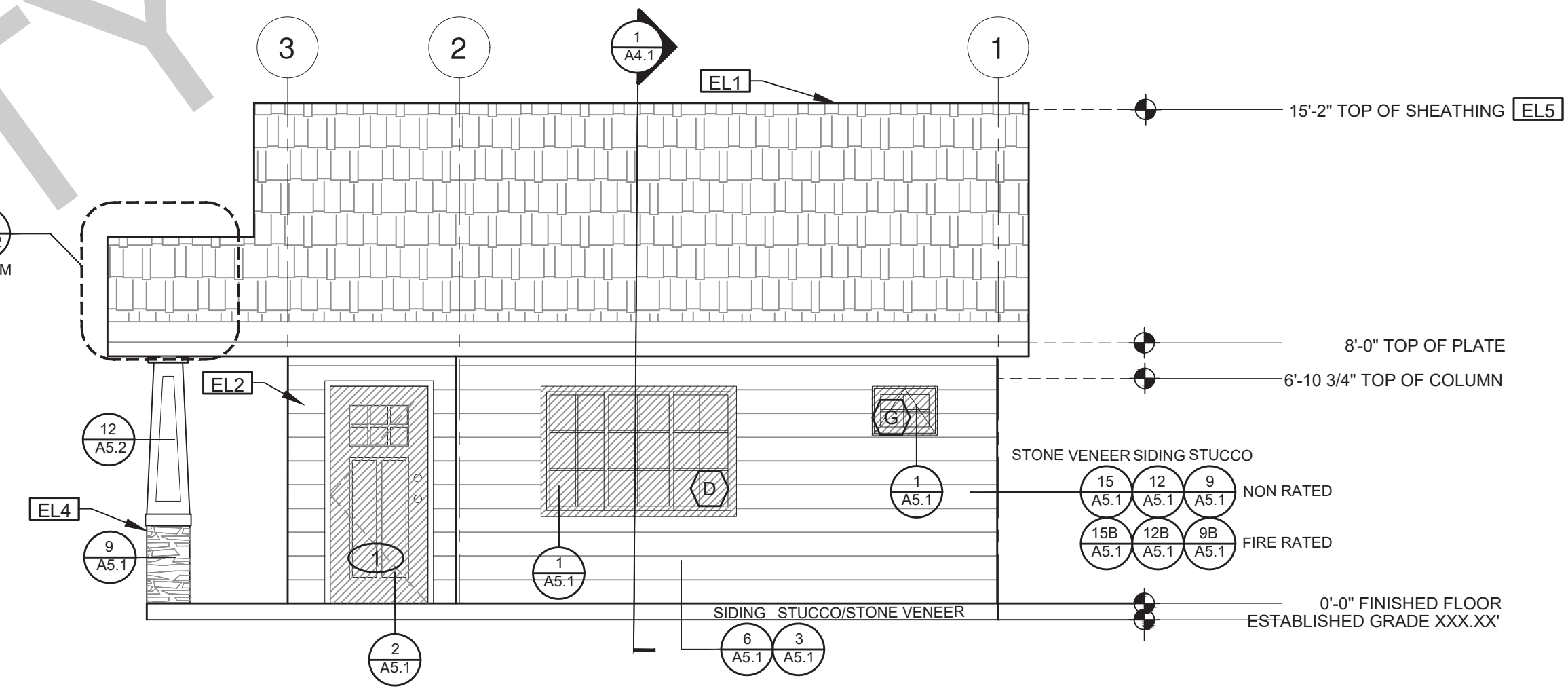
**ELEVATION - A**  
1/4"=1'-0" CRAFTSMAN



**ELEVATION - B**  
1/4"=1'-0" CRAFTSMAN



**ELEVATION - C**  
1/4"=1'-0" CRAFTSMAN



**ELEVATION - D**  
1/4"=1'-0" CRAFTSMAN

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project  
City of Soledad  
Pre-Approved ADU  
Plans

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Exterior  
Elevations  
Craftsman

date 02-08-2023

project no.

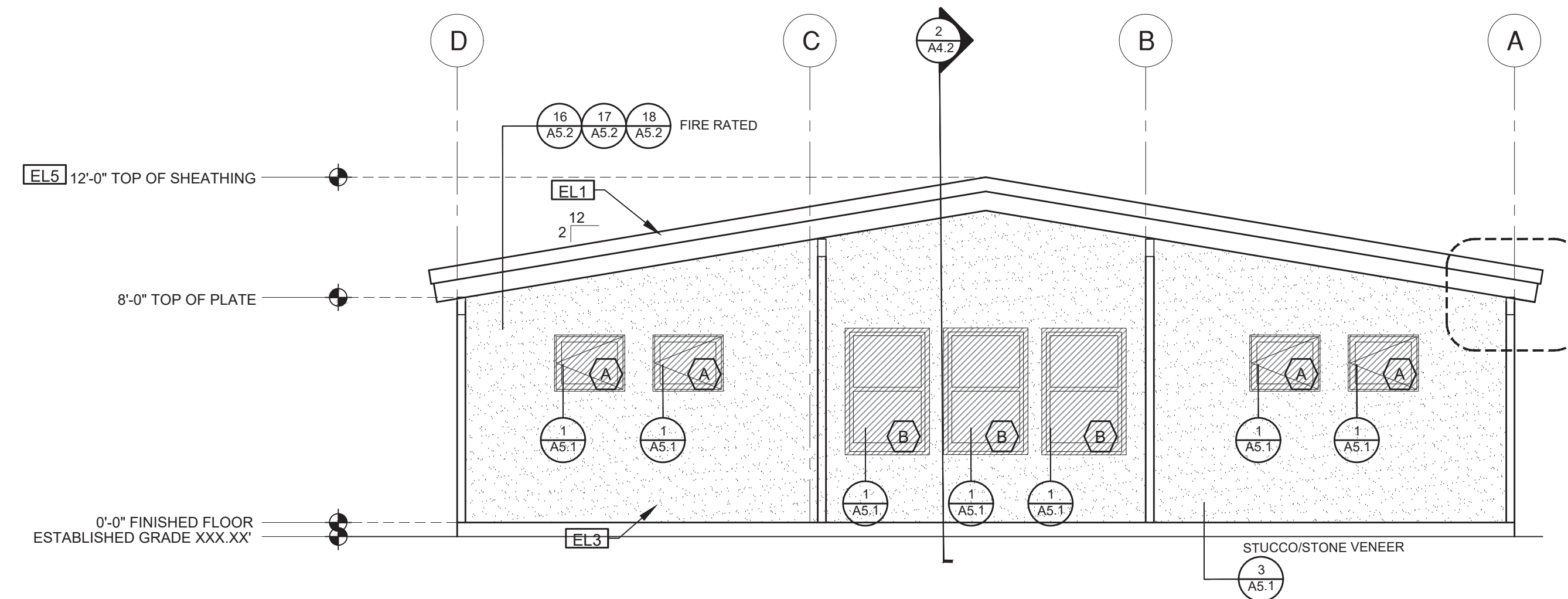
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sheet no. **A3.1**

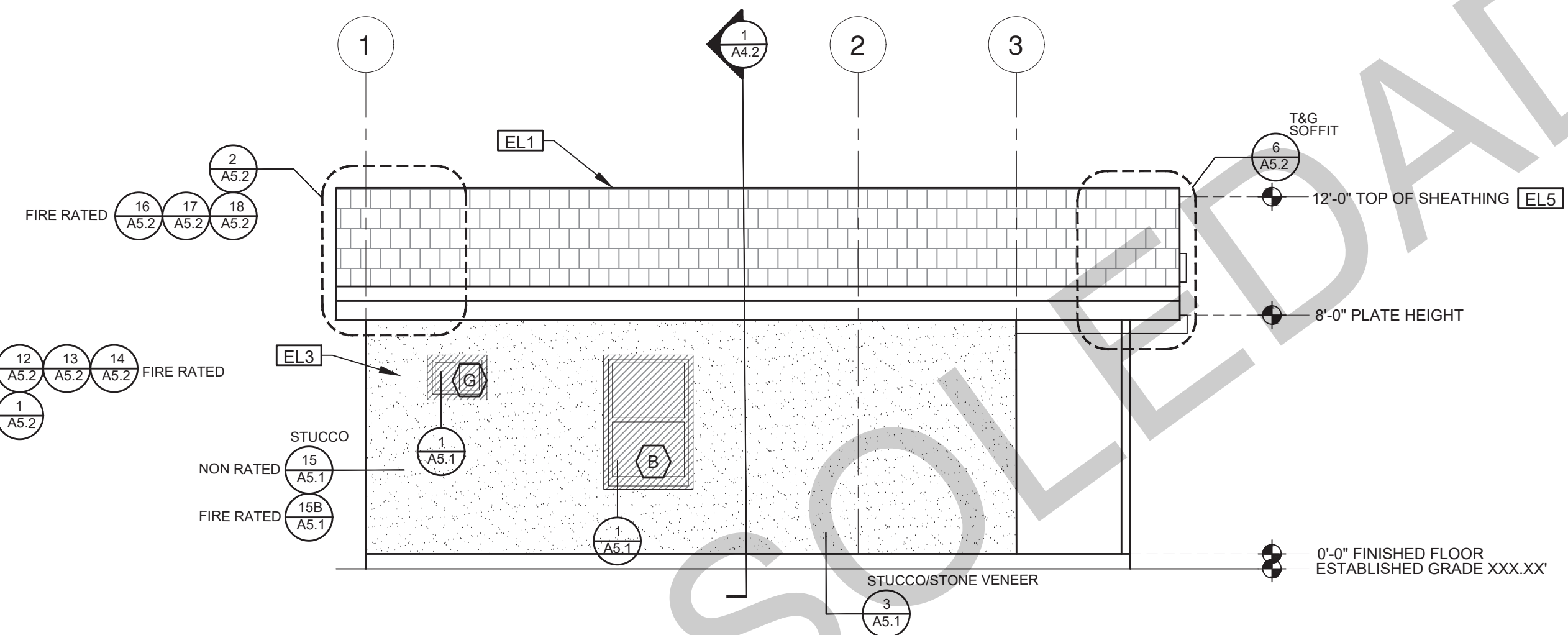
ELEVATION KEYNOTES	
EL1	MINIMUM CLASS A ROOF ASSEMBLY - SEE SHEET T1.1 FOR MANUFACTURER SPECIFICATIONS
EL2	SIDING
EL3	STUCCO
EL4	STONE VENEER
EL5	HEIGHT IS MEASURED AT THE BUILDING LINE, FROM THE LOWER OF EXISTING AND PROPOSED GRADES
EL6	DRYER VENT TERMINATION (MINIMUM OF 3 FT FROM ANY OPENING)

ELEVATION GENERAL NOTES	
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2. ALL DOORS SHOULD BE 3 1/2" FROM NEAREST INTERSECTING WALL AT HINGED SIDE, U.N.O.	8. SEE ROOF PLAN FOR APPROXIMATE DOWNSPOUT LOCATIONS, U.N.O.
3. WRITTEN DIMENSIONS TO PREVAIL OVER SCALING OF DRAWINGS. OWNER/SUBCONTRACTOR TO VERIFY ALL DIM. PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT OF ANY DISCREPANCIES.	10. VERIFY COLOR SCHEME WITH OWNER BEFORE PERFORMING THE WORK
4. REFER TO FRAMING PLANS, FLOOR PLANS, AND SECTIONS FOR CLARIFICATION AND DIMENSIONS	
5. SEE SCHEDULE FOR DOOR AND WINDOW INFORMATION AND HEIGHTS	
6. MATERIALS FOR PLASTER IS TO BE THE STANDARD PRODUCTS OF RECOGNIZED MANUFACTURERS, AND SHALL BE AS MANUFACTURED BY US GYPSUM CO. AND APPROVED BY THE LATH AND PLASTER INSTIGAT OR APPROVED EQUAL	
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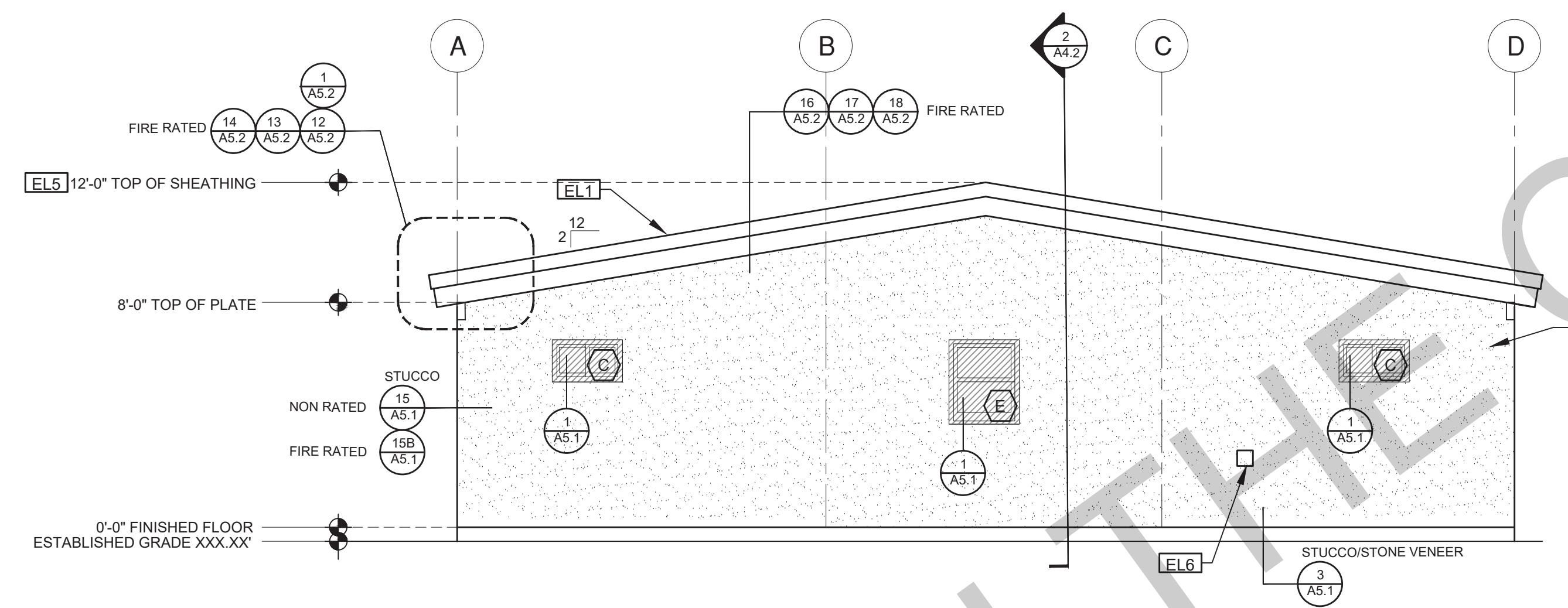
LEGEND					
	SECTION CUT		KEYNOTE		SPRAY FIN. STUCCO
	ELEVATION CALLOUT		DOOR SYMBOL		BOARD & BATTEN
	DETAIL DRAWING REF.		WINDOW SYMBOL		GLAZING
	ELEVATION MARKER		TEMPERED GLASS		ROOFING



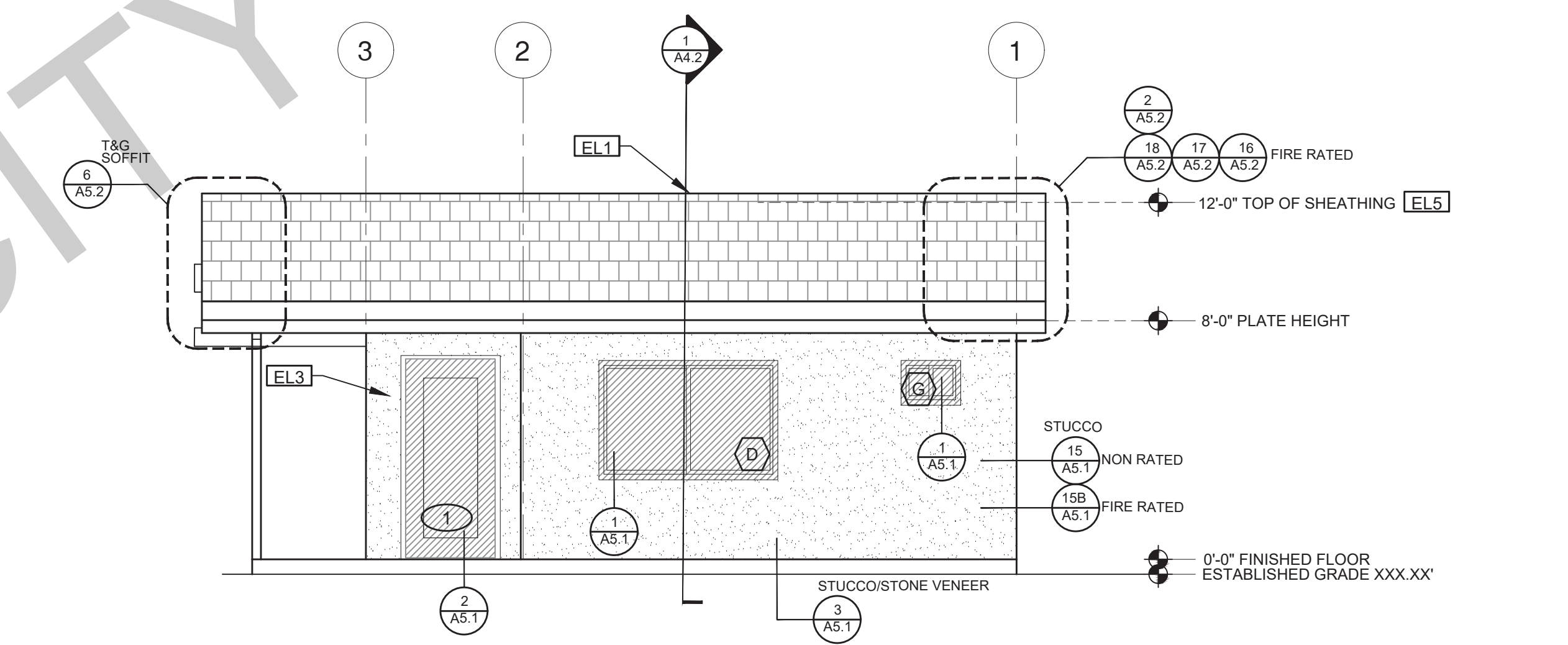
**ELEVATION - A**  
1/4"=1'-0" MIDCENTURY



**ELEVATION - B**  
1/4"=1'-0" MIDCENTURY



**ELEVATION - C**  
1/4"=1'-0" MIDCENTURY



**ELEVATION - D**  
1/4"=1'-0" MIDCENTURY

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Plans

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Exterior  
Elevations  
Midcentury

date 02-08-2023

project no.

drawn by

sheet no. **A3.2**

**ELEVATION KEYNOTES**

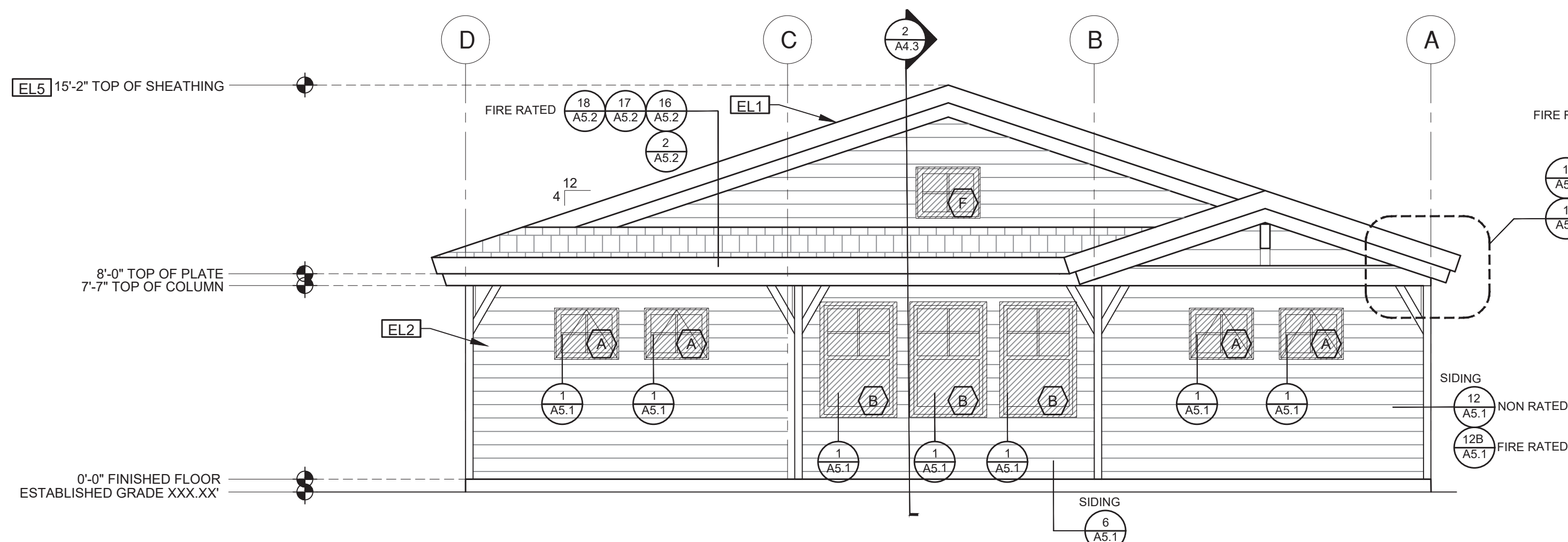
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**ELEVATION GENERAL NOTES**

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**LEGEND**

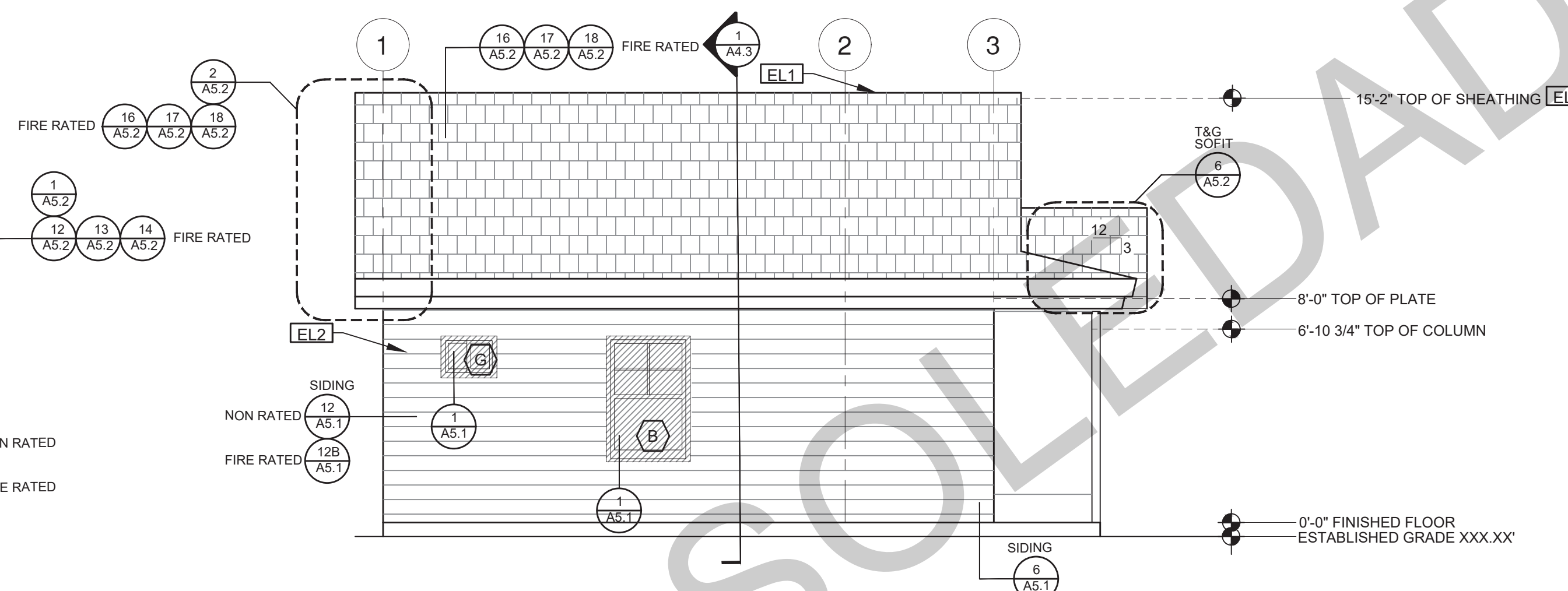
	SECTION CUT		KEYNOTE		SPRAY FIN STUCCO
	ELEVATION CALLOUT		DOOR SYMBOL		BOARD & BATTEN
	DETAIL DRAWING REF.		WINDOW SYMBOL		GLAZING
	ELEVATION MARKER		TEMPERED GLASS		ROOFING



ELEVATION - A

1/4"=1'-0"

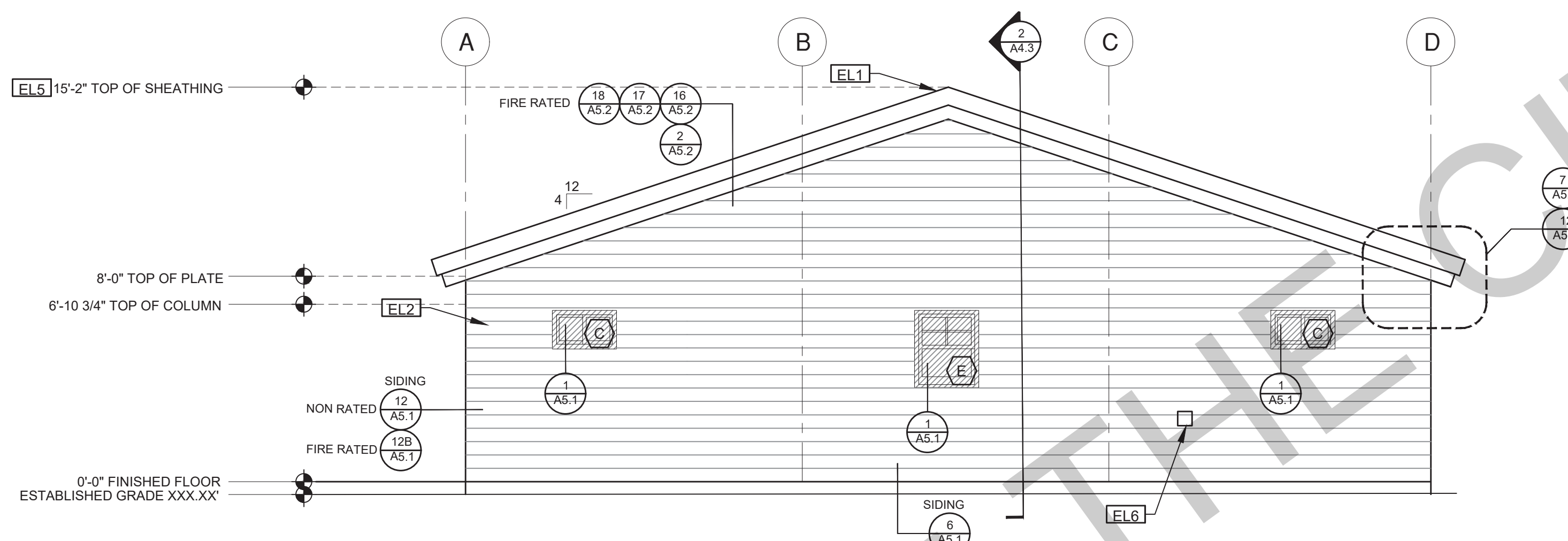
RANCH



ELEVATION - B

1/4"=1'-0"

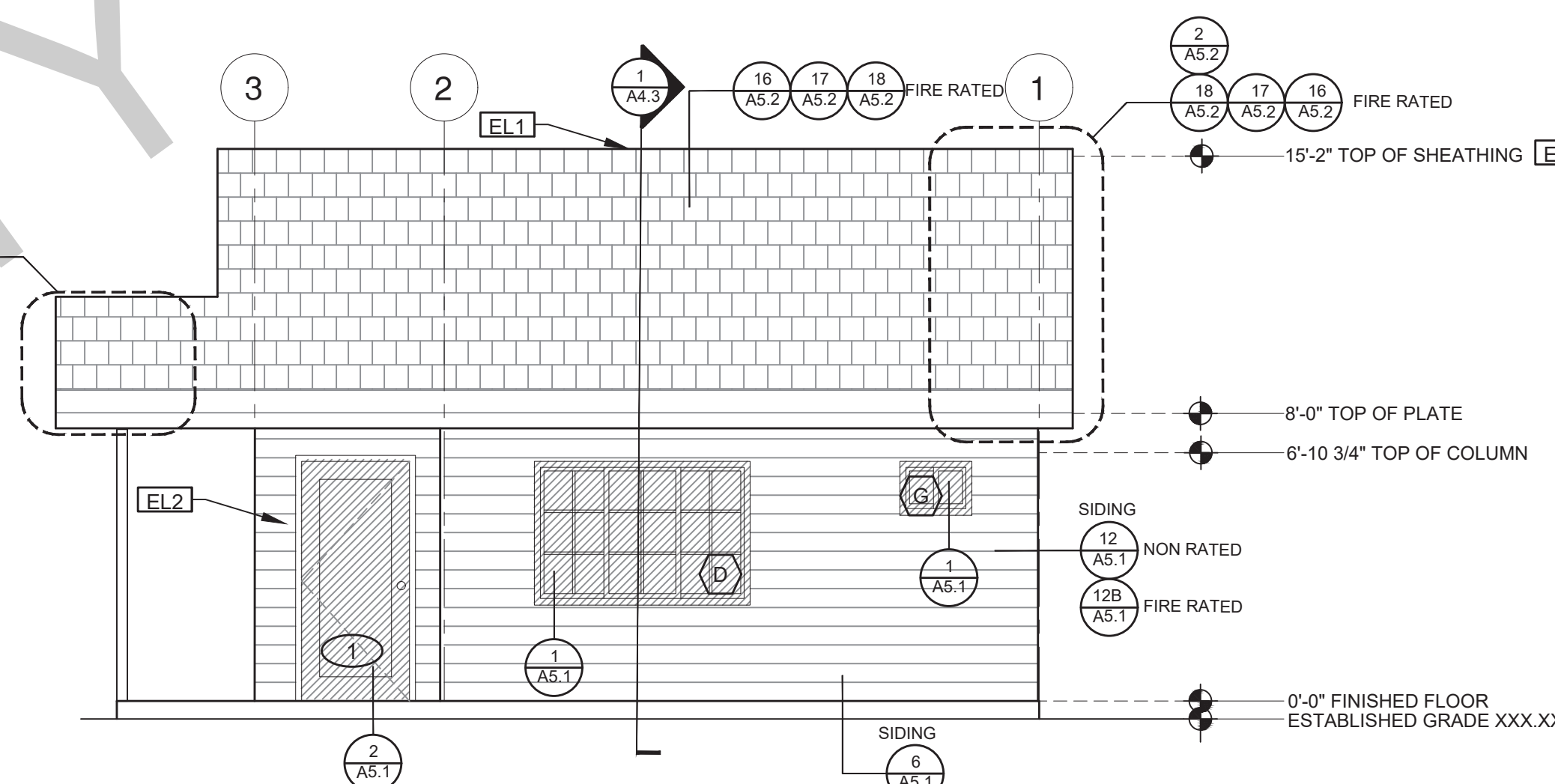
RANCH



ELEVATION - C

1/4"=1'-0"

RANCH



ELEVATION - D

1/4"=1'-0"

RANCH

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Plans

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description  
Exterior  
Elevations  
Ranch

date 02-08-2023

project no.

drawn by

sheet no. **A3.3**

ELEVATION KEYNOTES

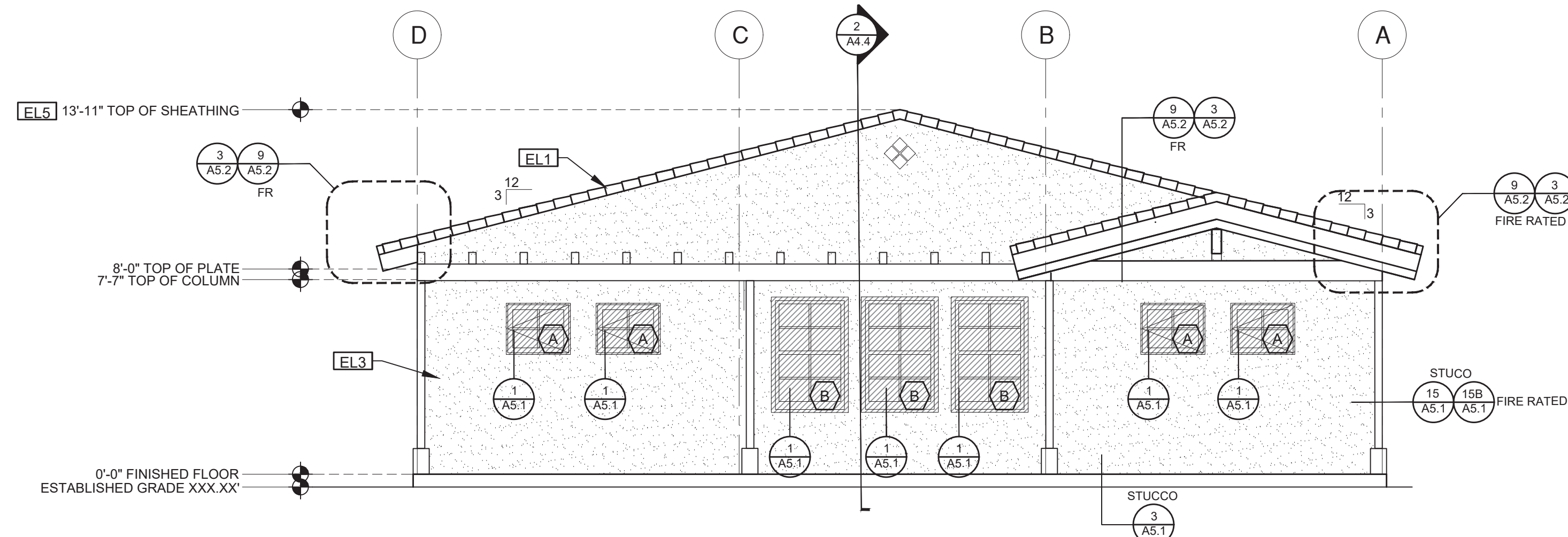
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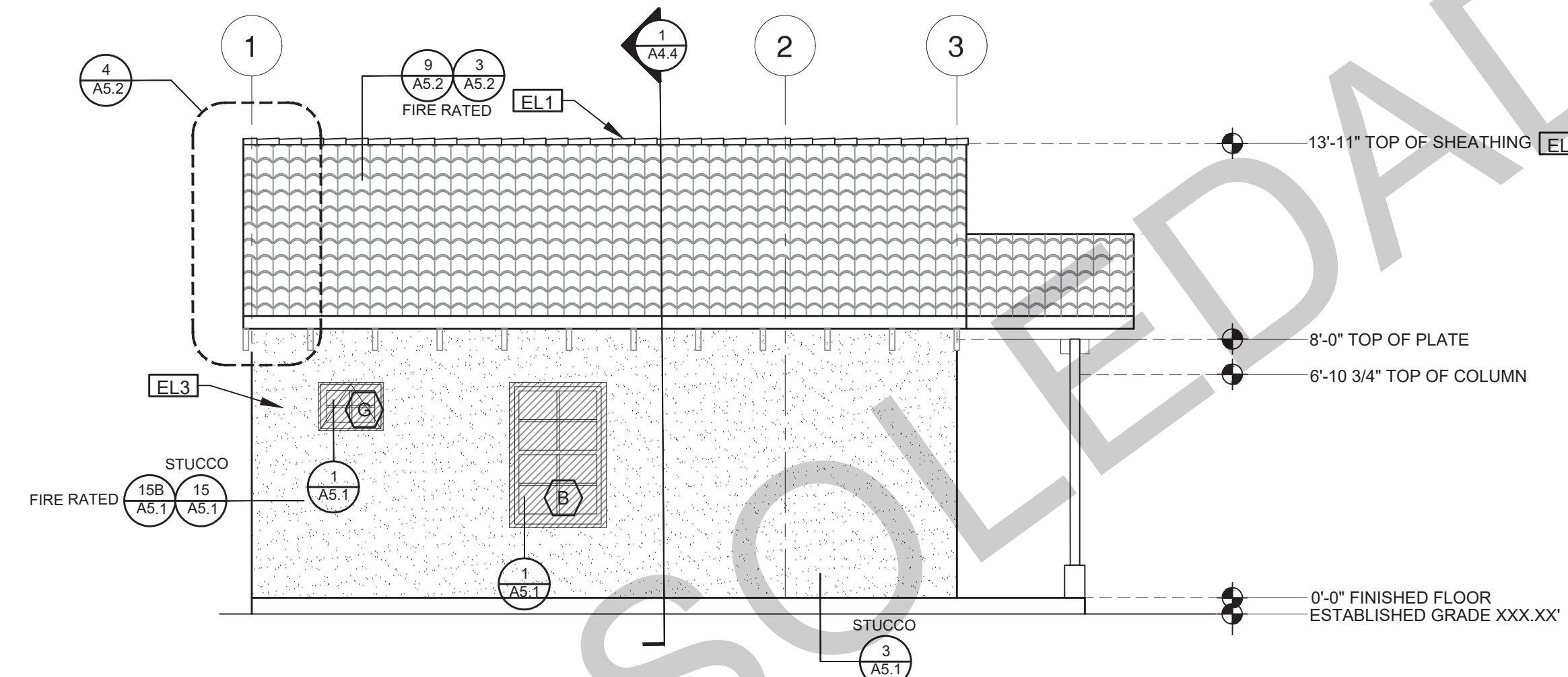
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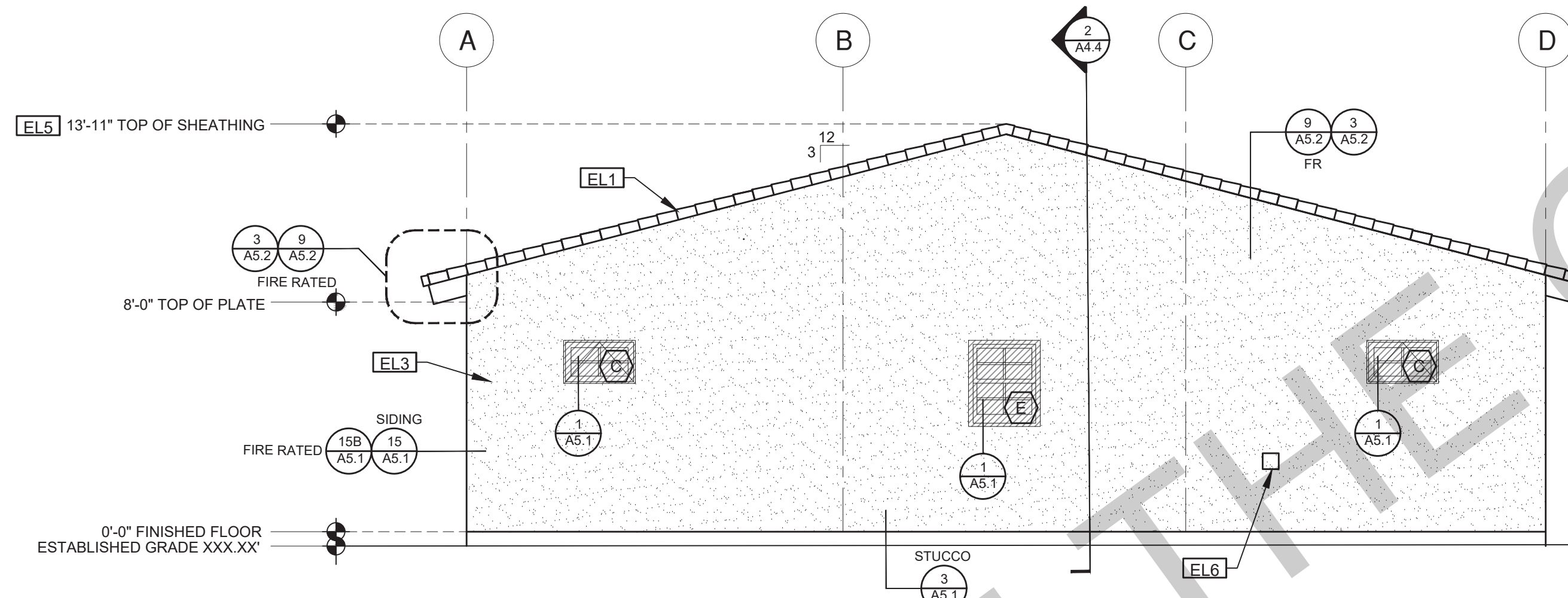
- SECTION CUT
- ELEVATION CALLOUT
- DETAIL DRAWING REF.
- ELEVATION MARKER
- KEYNOTE
- DOOR SYMBOL
- WINDOW SYMBOL
- TEMPERED GLASS
- SPRAY FIN. STUCCO
- BOARD & BATTEN
- GLAZING
- ROOFING



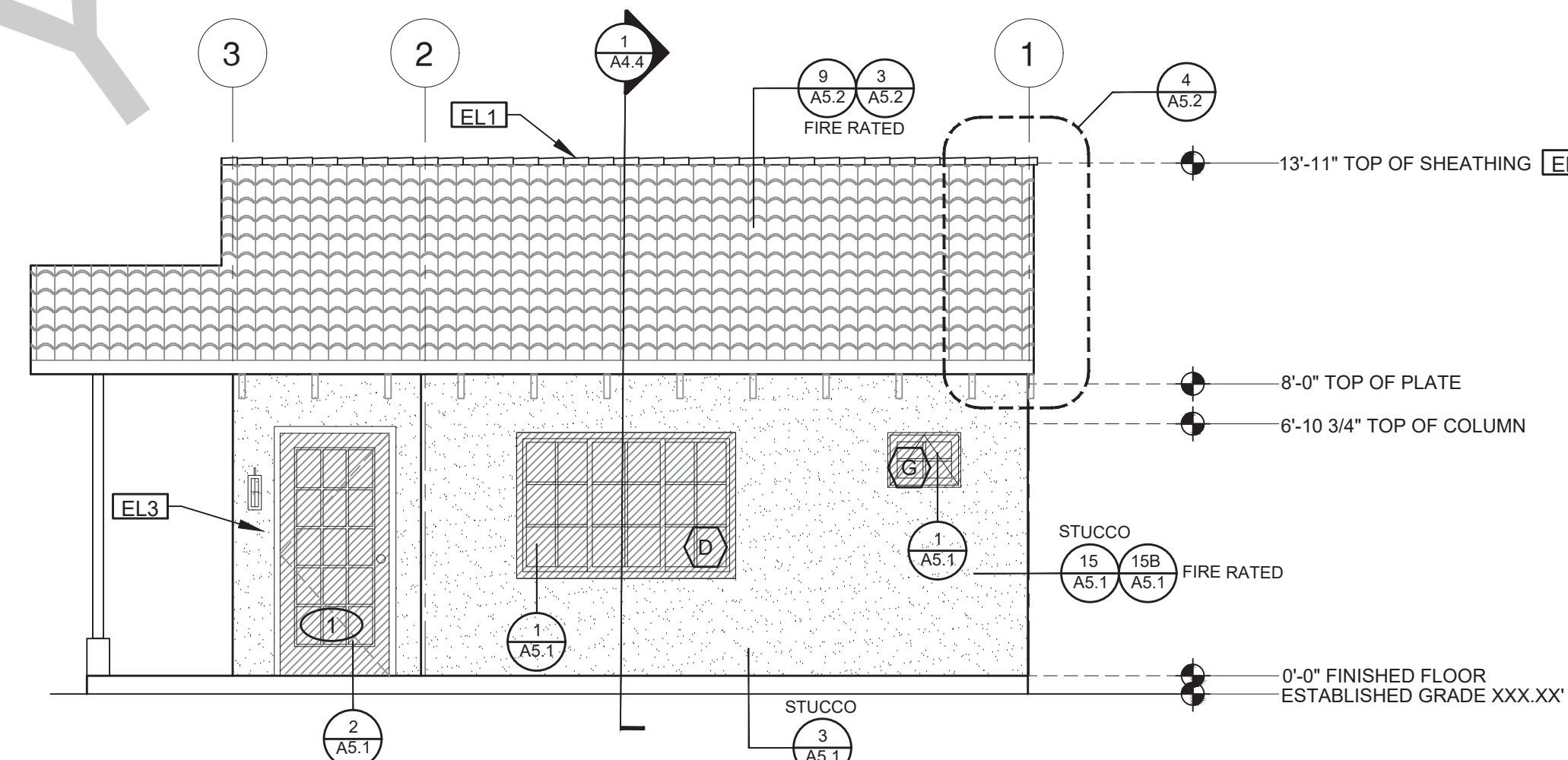
ELEVATION - A  
1/4"=1'-0" SPANISH



ELEVATION - B  
1/4"=1'-0" SPANISH



ELEVATION - C  
1/4"=1'-0" SPANISH



ELEVATION - D  
1/4"=1'-0" SPANISH

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project  
City of Soledad  
Pre-Approved ADU  
Plans

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description  
Exterior  
Elevations  
Spanish

date 02-08-2023

project no.

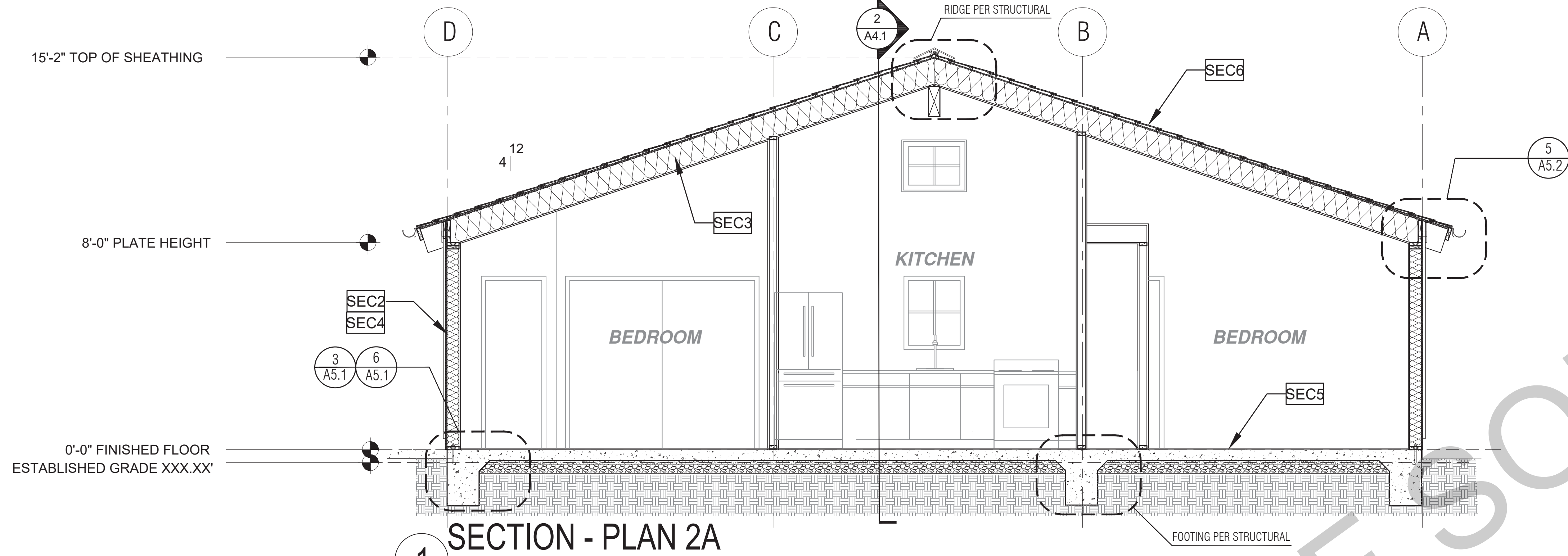
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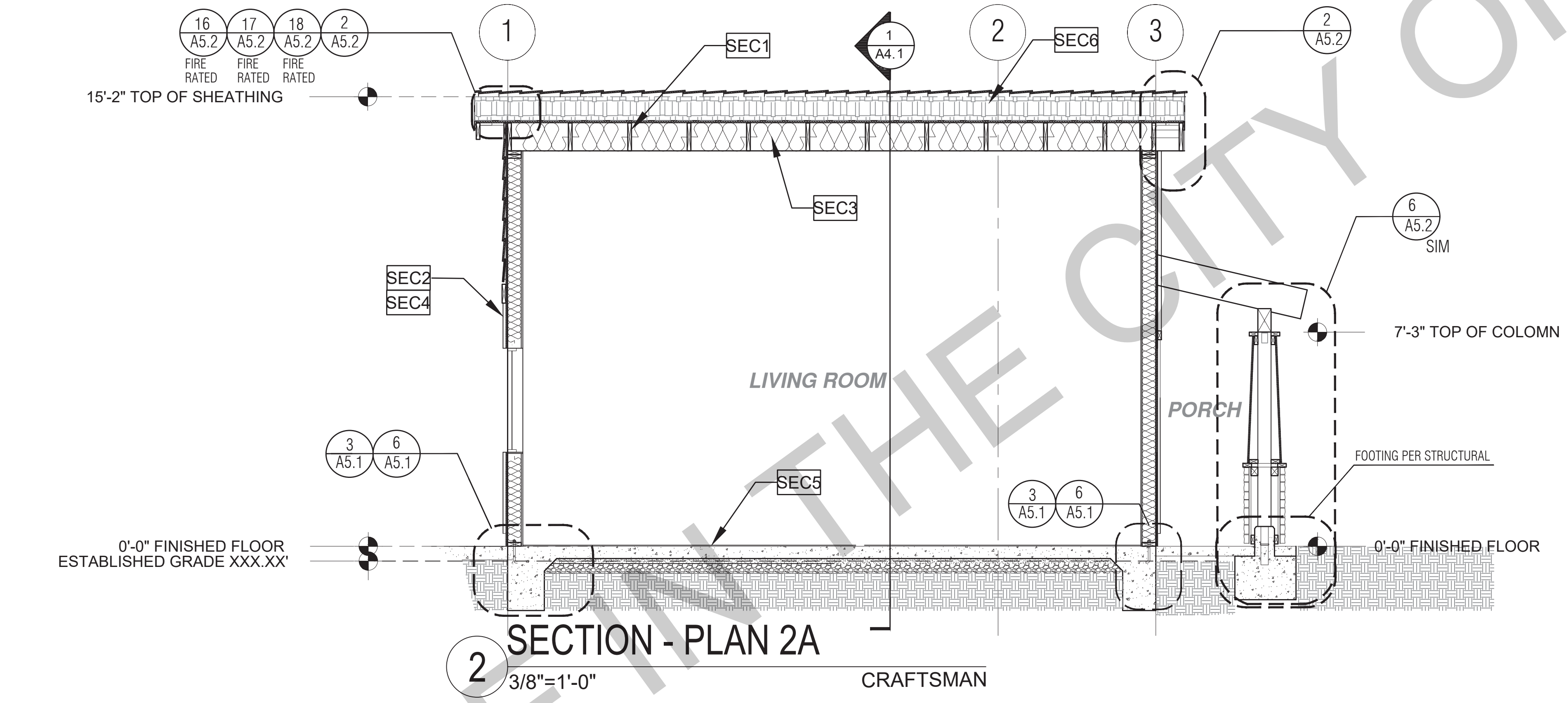
ELEVATION KEYNOTES	
EL1	MINIMUM CLASS A ROOF ASSEMBLY - SEE SHEET T1.1 FOR MANUFACTURER SPECIFICATIONS
EL2	SIDING
EL3	STUCCO
EL4	STONE VENEER
EL5	HEIGHT IS MEASURED AT THE BUILDING LINE, FROM THE LOWER OF EXISTING AND PROPOSED GRADES
EL6	DRYER VENT TERMINATION (MINIMUM OF 3 FT FROM ANY OPENING)

ELEVATION GENERAL NOTES	
1. ALL DIMENSIONS TO FINISH FACE, U.N.O.	7. FRAMING ELEVATIONS, INCLUDING FLOOR PLATES AND FLOOR LEVEL ELEVATIONS ARE MEASURED FROM BUILDING FINISH FLOOR, U.N.O.
2. ALL DOORS SHOULD BE 3 1/2" FROM NEAREST INTERSECTING WALL AT HINGED SIDE, U.N.O.	8. SEE ROOF PLAN FOR APPROXIMATE DOWNSPOUT LOCATIONS, U.N.O.
3. WRITTEN DIMENSIONS TO PREVAIL OVER SCALING OF DRAWINGS. OWNER/SUBCONTRACTOR TO VERIFY ALL DIM. PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT OF ANY DISCREPANCIES.	10. VERIFY COLOR SCHEME WITH OWNER BEFORE PERFORMING THE WORK
4. REFER TO FRAMING PLANS, FLOOR PLANS, AND SECTIONS FOR CLARIFICATION AND DIMENSIONS	
5. SEE SCHEDULE FOR DOOR AND WINDOW INFORMATION AND HEIGHTS	
6. MATERIALS FOR PLASTER IS TO BE THE STANDARD PRODUCTS OF RECOGNIZED MANUFACTURERS, AND SHALL BE AS MANUFACTURED BY US GYPSUM CO. AND APPROVED BY THE LATH AND PLASTER INSTIGAT OR APPROVED EQUAL	
6A. ALL PLASTER CORNER BEADS, CASING BEADS, CONTROL JOINTS, EXPANSION SCREEDS AND ACCESSORIES ARE TO BE GALVANIZED. PROVIDE CASING BEADS AT ALL JOINTS OF STUCCO TO DISSIMILAR SURFACES UNLESS OTHERWISE NOTED	
6B. WHERE INDICATED ON THE DRAWINGS, PORTLAND CEMENT PLASTER IS TO BE HAND APPLIED (3) THREE COAT WORK, 7/8" THICK ON EXTERIOR SURFACES. THE COATS TO CONSIST OF A SCRATCH (3/8" AND A TWO COAT FINISH (1/8" MIN.) COAT PROPORTIONED AND MIXED ADS RECOMMENDED BY THE CALIFORNIA LATHING AND PLASTERING CONTRACTORS ASSOCIATION.	

LEGEND					
	SECTION CUT		KEYNOTE		SPRAY FIN STUCCO
	ELEVATION CALLOUT		DOOR SYMBOL		BOARD & BATTEN
	DETAIL DRAWING REF.		WINDOW SYMBOL		GLAZING
	ELEVATION MARKER		TEMPERED GLASS		ROOFING



SECTION - PLAN 2A  
CRAFTSMAN  
3/8"=1'-0"



SECTION - PLAN 2A  
CRAFTSMAN  
3/8"=1'-0"

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description  
Building  
Sections  
Craftsman

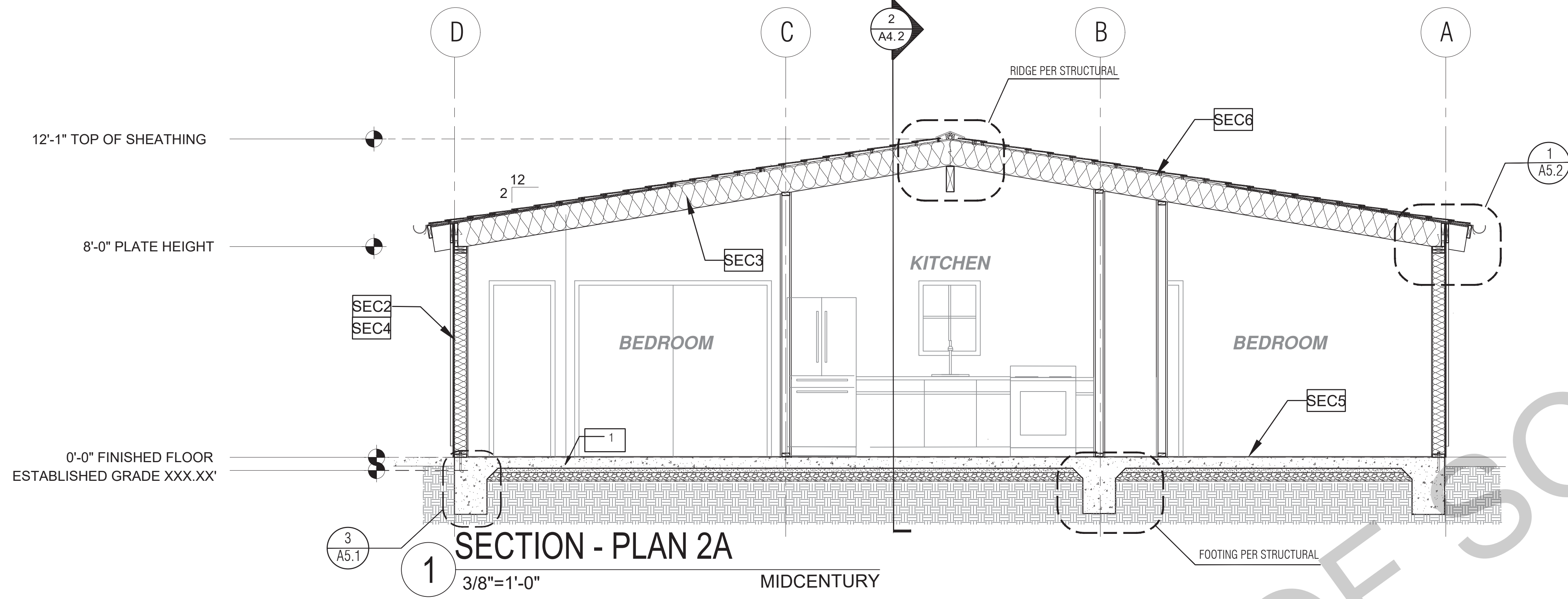
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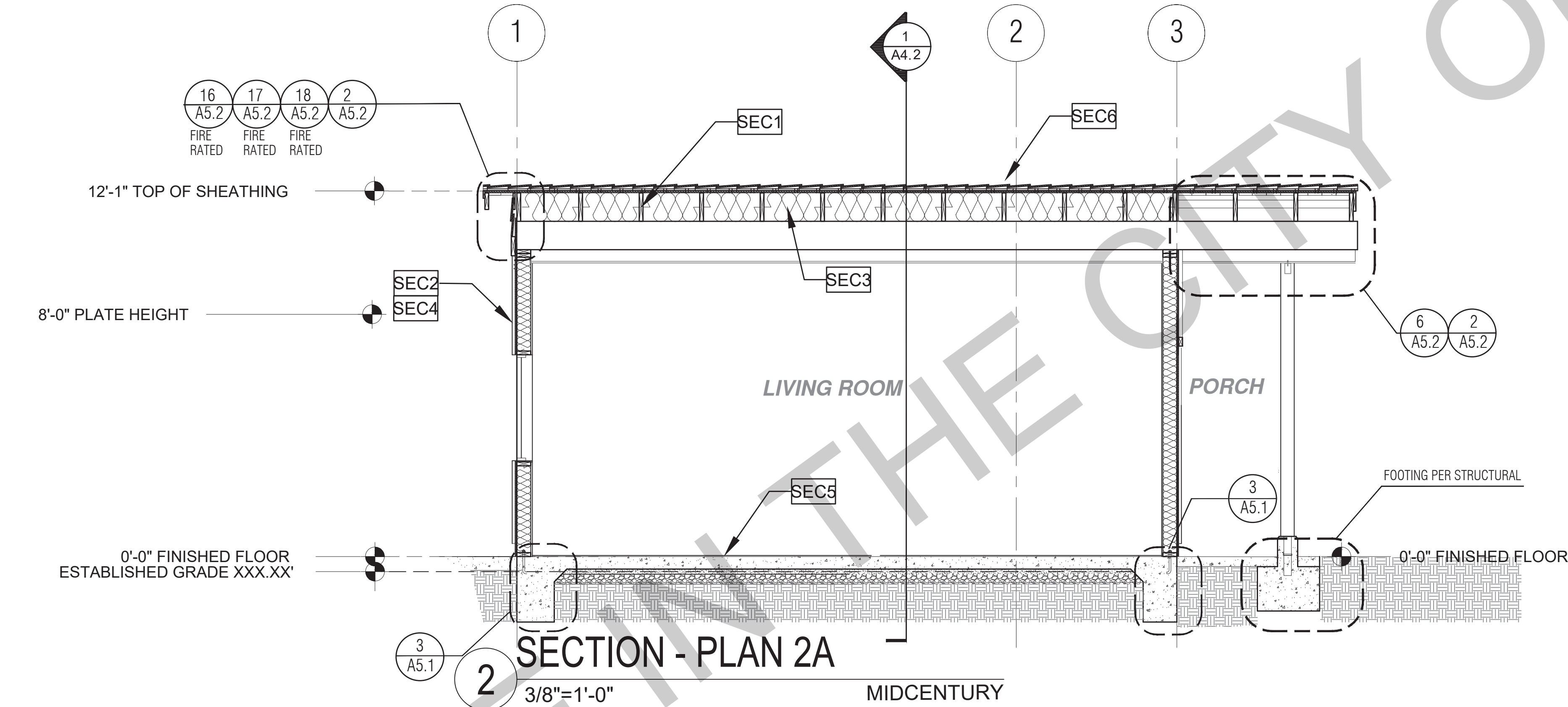
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SECTION KEYNOTES	SECTION GENERAL NOTES	LEGEND
<p><b>SEC1</b> RAFTERS PER PLAN SEE STRUCTURAL</p> <p><b>SEC2</b> 2X STUDS @ 16" O.C. - SEE STRUCTURAL</p> <p><b>SEC3</b> CEILING INSULATION PER TITLE 24 ENERGY CALCULATIONS</p> <p><b>SEC4</b> WALL INSULATION PER TITLE 24 ENERGY CALCULATIONS</p> <p><b>SEC5</b> CONC. SLAB ON GRADE SEE STRUCTURAL</p> <p><b>SEC6</b> MINIMUM CLASS A ROOF ASSEMBLY SEE SHEET T1.1 FOR MANUFACTURER SPECIFICATIONS</p>	<p>1. METALS SEE PLANS AND DETAILS FOR LOCATIONS, QUANTITY AND CONFIGURATION OF MISCELLANEOUS IRON AND STEEL WORK INCLUDING ASSORTED CLIPS, BRACKETS, ANGLES, STRAPS, POST ANCHORS AND LIKE ITEMS FURNISH AND INSTALL ALL SUCH ITEMS NECESSARY TO MAKE A COMPLETE INSTALLATION WHETHER OR NOT SPECIFICALLY DETAILED OR NOTED ON THE DRAWINGS. ALL EXTERIOR METAL AND HARDWARE IS TO BE GALVANIZED. STEEL IS TO BE ASTM A3.</p> <p>2. RAFTER VENTS ARE TO BE STAINLESS STEEL MESH AND ARE TO BE SIZED TO MEET REQUIRED VENTILATION TO ENCLOSED RAFTER SPACES. MAX 1/2" MIN 1/8" OPENING SIZE ON VENT SCREEN WITH CORROSION-RESISTANT WIRE SCREEN MATERIAL.</p> <p>3. FRAMER IS TO LAYOUT CEILING JOISTS/ROOF RAFTERS TO ACCOMMODATE RECESSED LIGHTS EXHAUST FANS OR OTHER ELECTRICAL/MECHANICAL FIXTURES.</p> <p>4. WOOD SOFFIT/CEILING, SIDING &amp; TRIM ALL NAILS, FASTENERS AND HARDWARE MUST BE STAINLESS STEEL OR HOT-DIPPED GALVANIZED. STAPLES ARE NOT PERMITTED.</p> <p>5. INSULATION THERMAL INSULATION IS TO BE FOIL BACKED BATT INSULATION WITH AN R VALUE NOT LESS SPECIFIED IN THE TITLE 24 ENERGY CALCULATIONS. AT BATHROOMS, LAUNDRY ROOM, AND MASTER BED/BATHROOMS INSULATION IS TO BE PROVIDED WITH SOUND INSULATION.</p> <p>6. FLASHING AND SHEET METAL ALL FLASHING AND COUNTER FLASHING IS TO BE GALVANIZED AND INSTALLED AS PER SMACNA STANDARDS. ALL PROPOSED FLASHING AND SHEET METAL MATERIALS, GAUGE AND INSTALLATION IS TO BE IN ACCORDANCE WITH SMACNA MANUAL STANDARDS.</p> <p>7. THE PURPOSE OF THESE DRAWINGS IS TO SHOW CONSTRUCTION MATERIALS/ASSEMBLIES. FOR SPECIFIC SIZES AND DETAILS REFER TO ARCHITECTURAL PLANS, ELEVATIONS, DETAILS, AND STRUCTURAL PLANS. *KEYNOTES ONLY APPLY IF REFERENCED ON PLANS</p> <p>8. AT INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS SOFFITS, DROP CEILING AND COVE CEILING</p> <p>9. IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN, ENCLOSED SPACES UNDER STAIRS SHALL COMPLY WITH SECTION R302.7.</p> <p>10. AT OPENINGS AROUND VENTS, PIPES, DUCTS, CABLES AND WIRES AT CEILINGS AND FLOOR LEVEL, WITH AN APPROVED MATERIAL TO RESIST THE FREE PASSAGE OF FLAME PRODUCTS OF COMBUSTION. THE MATERIAL FILLING THIS ANNULAR SPACE SHALL NOT BE REQUIRED TO MEET THE ASTM E136 REQUIREMENTS</p> <p>11. FOR THE FIREBLOCKING OF CHIMNEYS AND FIREPLACES, SEE SECTION R1003.19</p> <p>12. FIREBLOCKING OF CORNICES OF A TWO-FAMILY DWELLING IS REQUIRED AT THE LINE OF DWELLING-UNIT SEPARATION</p> <p>B - SECTION R302.11.1 - FIREBLOCKING MATERIALS SHALL CONSIST OF FOLLOWING MATERIALS: 1. TWO-INCH NOMINAL LUMBER WITH BROKEN LAP JOINTS 2. TWO THICKNESS OF ONE-INCH NOMINAL LUMBER WITH BROKEN LAP JOINTS 3. THE THICKNESS OF 0.75-INCH WOOD STRUCTURAL PANELS WITH JOINTS BACKED BY 0.75-INCH WOOD STRUCTURAL PANELS 4. THE THICKNESS OF 0.75-INCH PARTICLE BOARD WITH JOINTS BACKED BY 0.75-INCH PARTICLE BOARD 5. ONE-HALF-INCH GYPSUM BOARD 6. ONE-FOURTH-INCH CEMENT-BASED MILLBOARD FIBER OR OTHER APPROVED MATERIAL INSTALLED IN SUCH A MANNER AS TO BE SECURELY RETAINED IN PLACE. 8. CELLULOSE INSULATION INSTALLED AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263, FOR THE SPECIFIC APPLICATION</p>	<p><b>LEGEND</b></p> <p>SECTION CUT</p> <p>ELEVATION CALLOUT</p> <p>DETAIL DRAWING REF.</p> <p>ELEVATION MARKER</p>



SECTION - PLAN 2A  
3/8"=1'-0"

MIDCENTURY



SECTION - PLAN 2A  
3/8"=1'-0"

MIDCENTURY

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Building  
Sections  
Midcentury

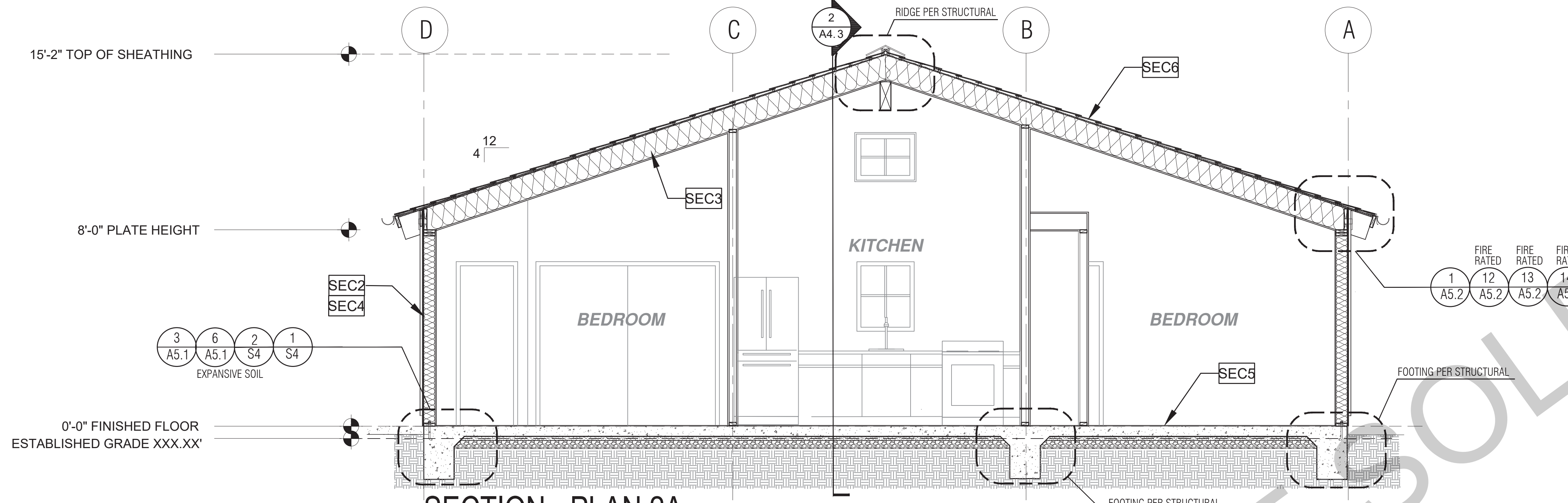
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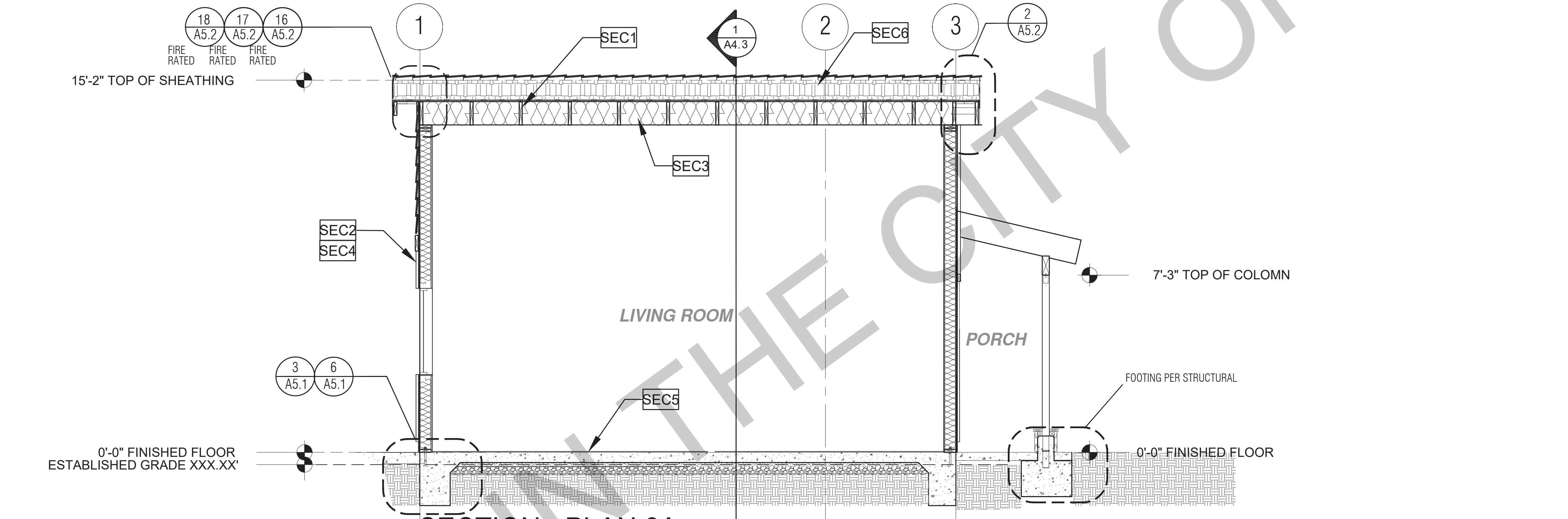
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SECTION KEYNOTES	SECTION GENERAL NOTES	LEGEND
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SECTION - PLAN 2A  
1 3/8"=1'-0"  
RANCH



SECTION - PLAN 2A  
2 3/8"=1'-0"  
RANCH

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description  
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Ranch

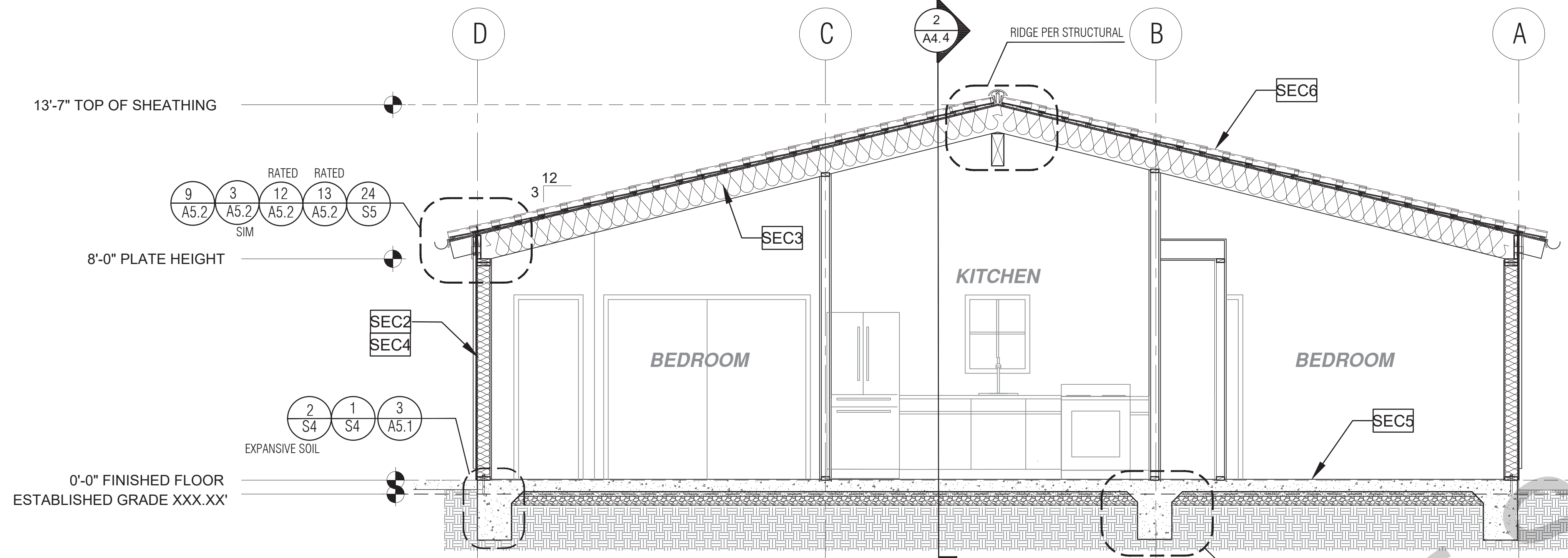
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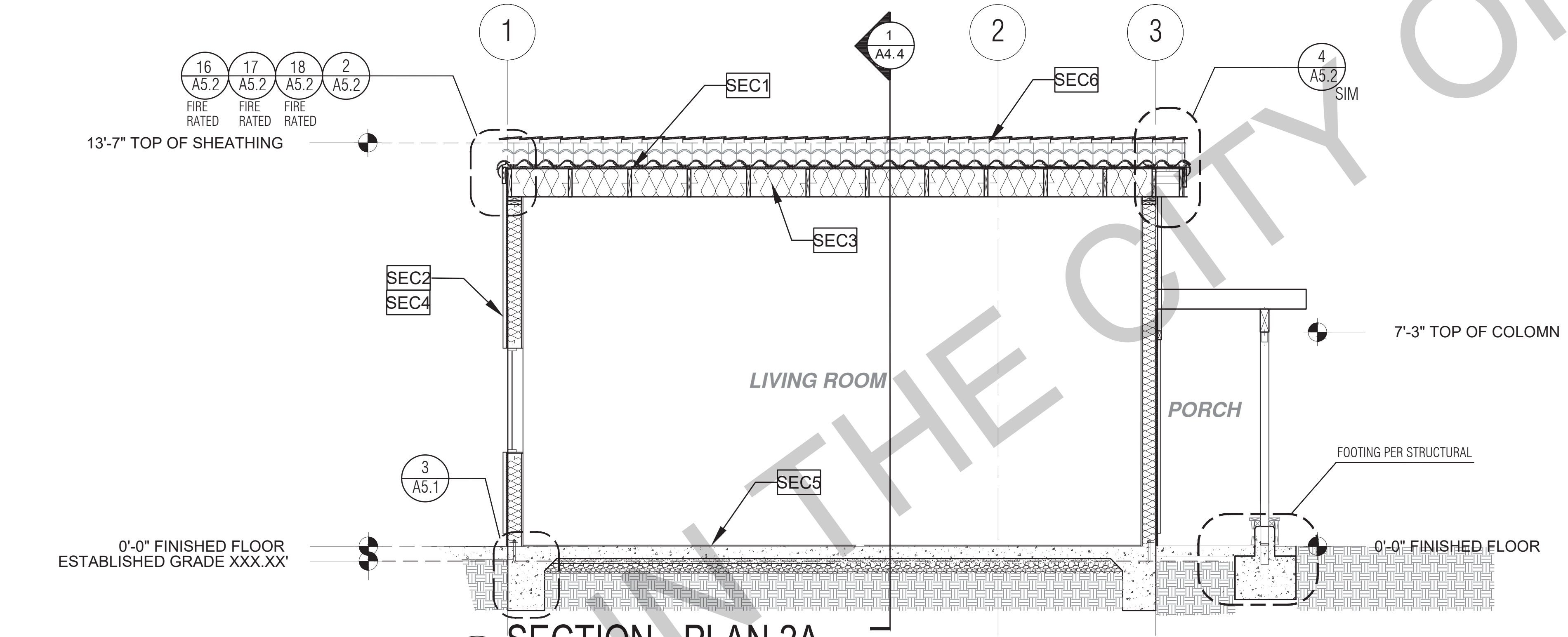
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sheet no. **A4.3**

SECTION KEYNOTES	SECTION GENERAL NOTES	LEGEND
<p><b>SEC1</b> RAFTERS PER PLAN SEE STRUCTURAL</p> <p><b>SEC2</b> 2X STUDS @ 16" O.C. - SEE STRUCTURAL</p> <p><b>SEC3</b> CEILING INSULATION PER TITLE 24 ENERGY CALCULATIONS</p> <p><b>SEC4</b> WALL INSULATION PER TITLE 24 ENERGY CALCULATIONS</p> <p><b>SEC5</b> CONC. SLAB ON GRADE SEE STRUCTURAL</p> <p><b>SEC6</b> MINIMUM CLASS A ROOF ASSEMBLY SEE SHEET T1.1 FOR MANUFACTURER SPECIFICATIONS</p>	<p>1. METALS SEE PLANS AND DETAILS FOR LOCATIONS, QUANTITY AND CONFIGURATION OF MISCELLANEOUS IRON AND STEEL WORK INCLUDING ASSORTED CLIPS, BRACKETS ANGLES, STRAPS, POST ANCHORS AND LIKE ITEMS FURNISH AND INSTALL ALL SUCH ITEMS NECESSARY TO MAKE A COMPLETE INSTALLATION WHETHER OR NOT SPECIFICALLY DETAILED OR NOTED ON THE DRAWINGS. ALL EXTERIOR METAL AND HARDWARE IS TO BE GALVANIZED. STEEL IS TO BE ASTM A3.</p> <p>2. RAFTER VENTS ARE TO BE STAINLESS STEEL MESH AND ARE TO BE SIZED TO MEET REQUIRED VENTILATION TO ENCLOSED RAFTER SPACES. MAX 1/2" MIN 1/8" OPENING SIZE ON VENT SCREEN WITH CORROSION-RESISTANT WIRE SCREEN MATERIAL.</p> <p>3. FRAMER IS TO LAYOUT CEILING JOISTS/ROOF RAFTERS TO ACCOMMODATE RECESSED LIGHTS EXHAUST FANS OR OTHER ELECTRICAL/MECHANICAL FIXTURES.</p> <p>4. WOOD SOFFIT/CEILING, SIDING &amp; TRIM ALL NAILS, FASTENERS AND HARDWARE MUST BE STAINLESS STEEL OR HOT-DIPPED GALVANIZED. STAPLES ARE NOT PERMITTED.</p> <p>5. INSULATION THERMAL INSULATION IS TO BE FOIL BACKED BATT INSULATION WITH AN R VALUE NOT LESS SPECIFIED IN THE TITLE 24 ENERGY CALCULATIONS. AT BATHROOMS, LAUNDRY ROOM, AND MASTER BED/BATHROOMS INSULATION IS TO BE PROVIDED WITH SOUND INSULATION.</p> <p>6. FLASHING AND SHEET METAL ALL FLASHING AND COUNTER FLASHING IS TO BE GALVANIZED AND INSTALLED AS PER SMACNA STANDARDS. ALL PROPOSED FLASHING AND SHEET METAL MATERIALS, GAUGE AND INSTALLATION IS TO BE IN ACCORDANCE WITH SMACNA MANUAL STANDARDS.</p> <p>7. THE PURPOSE OF THESE DRAWINGS IS TO SHOW CONSTRUCTION MATERIALS/ASSEMBLIES. FOR SPECIFIC SIZES AND DETAILS REFER TO ARCHITECTURAL PLANS, ELEVATIONS, DETAILS, AND STRUCTURAL PLANS. *KEYNOTES ONLY APPLY IF REFERENCED ON PLANS</p> <p>8. AT INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS SOFFITS, DROP CEILINGS AND COVE CEILINGS</p> <p>9. IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN, ENCLOSED SPACES UNDER STAIRS SHALL COMPLY WITH SECTION R302.7.</p> <p>10. AT OPENINGS AROUND VENTS, PIPES, DUCTS, CABLES AND WIRES AT CEILINGS AND FLOOR LEVEL, WITH AN APPROVED MATERIAL TO RESIST THE FREE PASSAGE OF FLAME PRODUCTS OF COMBUSTION. THE MATERIAL FILLING THIS ANNULAR SPACE SHALL NOT BE REQUIRED TO MEET THE ASTM E136 REQUIREMENTS</p> <p>11. FOR THE FIREBLOCKING OF CHIMNEYS AND FIREPLACES, SEE SECTION R1003.19</p> <p>12. FIREBLOCKING OF CORNICES OF A TWO-FAMILY DWELLING IS REQUIRED AT THE LINE OF DWELLING-UNIT SEPARATION</p> <p>B - SECTION R302.11.1 - FIREBLOCKING MATERIALS SHALL CONSIST OF FOLLOWING MATERIALS: 1. TWO-INCH NOMINAL LUMBER WITH BROKEN LAP JOINTS 2. TWO THICKNESS OF ONE-INCH NOMINAL LUMBER WITH BROKEN LAP JOINTS 3. THE THICKNESS OF 0.75-INCH WOOD STRUCTURAL PANELS WITH JOINTS BACKED BY 0.719-INCH WOOD STRUCTURAL PANELS 4. THE THICKNESS OF 0.75-INCH PARTICLE BOARD WITH JOINTS BACKED BY 0.75-INCH PARTICLE BOARD 5. ONE-HALF-INCH GYPSUM BOARD 6. ONE-FOURTH-INCH CEMENT-BASED MILLBOARD FIBER OR OTHER APPROVED MATERIAL INSTALLED IN SUCH A MANNER AS TO BE SECURELY RETAINED IN PLACE. 8. CELLULOSE INSULATION INSTALLED AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263, FOR THE SPECIFIC APPLICATION</p>	<p><b>LEGEND</b></p> <p>SECTION CUT</p> <p>ELEVATION CALLOUT</p> <p>DETAIL DRAWING REF.</p> <p>ELEVATION MARKER</p>



SECTION - PLAN 2A  
SPANISH  
3/8"=1'-0"



SECTION - PLAN 2A  
SPANISH  
3/8"=1'-0"

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2. THE RECIPIENT RECOGNIZES AND ACKNOWLEDGES THAT THE USE OF THIS INFORMATION WILL BE AT THEIR SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL EXPOSURE TO DESIGN PATH STUDIO. NO WARRANTIES OF ANY NATURE, WHETHER EXPRESS OR IMPLIED, SHALL ATTACH TO THESE DOCUMENTS AND THE INFORMATION CONTAINED THEREON. ANY USE, REUSE, OR ALTERATION OF THESE DOCUMENTS BY THE RECIPIENT OR BY OTHERS WILL BE AT THE RECIPIENT'S RISK AND FULL LEGAL RESPONSIBILITY. FURTHERMORE, THE RECIPIENT WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, DEFEND, INDEMNIFY AND HOLD DESIGN PATH STUDIO AND ITS ARCHITECTS HARMLESS FROM ANY AND ALL CLAIMS, SUITS, LIABILITY, DEMANDS, JUDGMENTS, OR COSTS ARISING OUT OF OR RESULTING THERE FROM ANY USE OF THESE CONSTRUCTION DOCUMENTS FOR OR ON ACCOUNT OF ANY INJURY, DEATH, DAMAGE OR LOSS TO PERSONS OR PROPERTY, DIRECT OR CONSEQUENTIAL DAMAGES IN ANY AMOUNT. THIS INDEMNITY DOES NOT APPLY TO THE SOLE NEGLIGENCE OR WILLFUL MISCONDUCT OF DESIGN PATH STUDIO OR ITS ARCHITECTS.
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project  
City of Soledad  
Pre-Approved ADU  
Plans

revisions  
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description  
Building  
Sections  
Spanish

date 02-08-2023

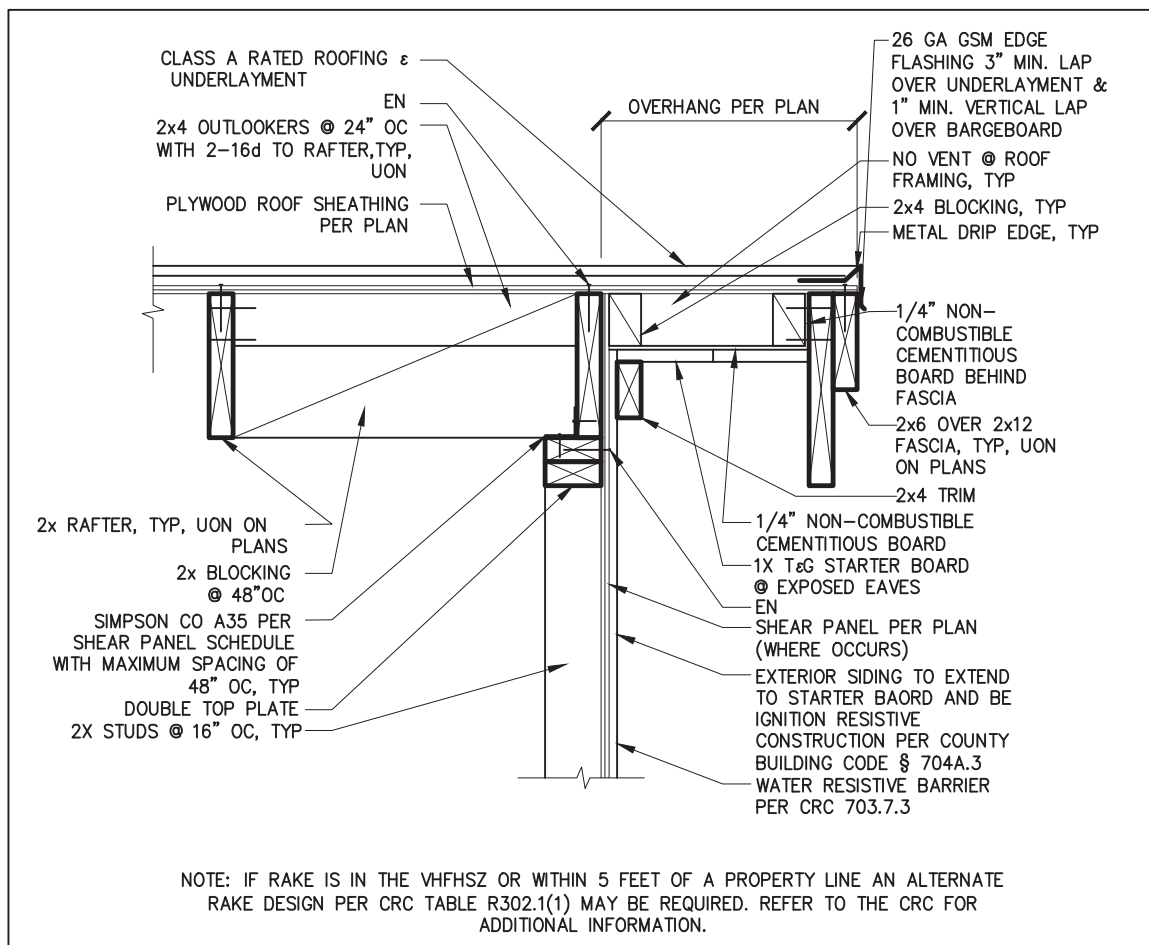
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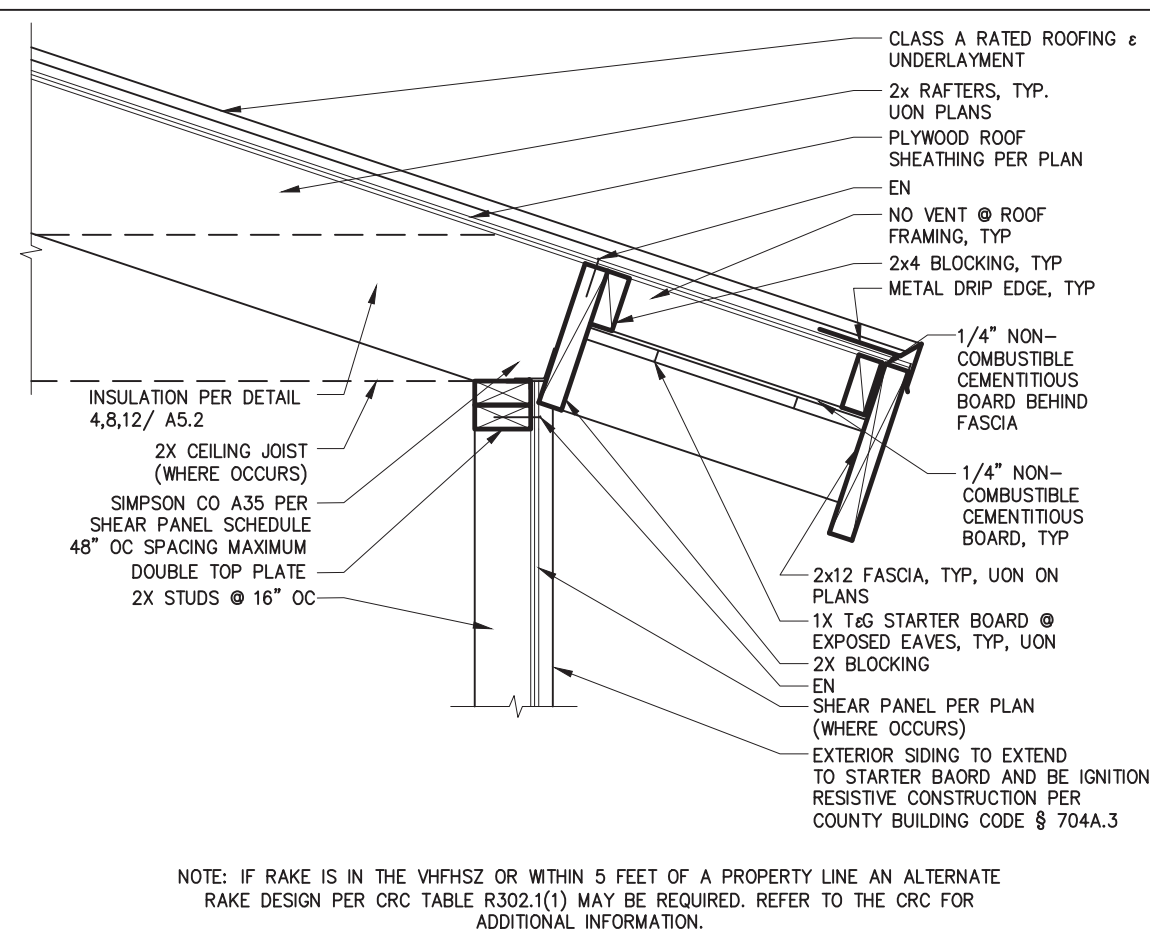
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SECTION KEYNOTES	SECTION GENERAL NOTES	LEGEND
<p><b>SEC1</b> RAFTERS PER PLAN SEE STRUCTURAL</p> <p><b>SEC2</b> 2X STUDS @ 16" O.C. - SEE STRUCTURAL</p> <p><b>SEC3</b> CEILING INSULATION PER TITLE 24 ENERGY CALCULATIONS</p> <p><b>SEC4</b> WALL INSULATION PER TITLE 24 ENERGY CALCULATIONS</p> <p><b>SEC5</b> CONC. SLAB ON GRADE SEE STRUCTURAL</p> <p><b>SEC6</b> MINIMUM CLASS A ROOF ASSEMBLY SEE SHEET T1.1 FOR MANUFACTURER SPECIFICATIONS</p>	<p>1. METALS SEE PLANS AND DETAILS FOR LOCATIONS, QUANTITY AND CONFIGURATION OF MISCELLANEOUS IRON AND STEEL WORK INCLUDING ASSORTED CLIPS, BRACKETS, ANGLES, STRAPS, POST ANCHORS AND LIKE ITEMS. FURNISH AND INSTALL ALL SUCH ITEMS NECESSARY TO MAKE A COMPLETE INSTALLATION WHETHER OR NOT SPECIFICALLY DETAILED OR NOTED ON THE DRAWINGS. ALL EXTERIOR METAL AND HARDWARE IS TO BE GALVANIZED. STEEL IS TO BE ASTM A3.</p> <p>2. RAFTER VENTS ARE TO BE STAINLESS STEEL MESH AND ARE TO BE SIZED TO MEET REQUIRED VENTILATION TO ENCLOSED RAFTER SPACES. MAX 1/2" MIN 1/8" OPENING SIZE ON VENT SCREEN WITH CORROSION-RESISTANT WIRE SCREEN MATERIAL.</p> <p>3. FRAMER IS TO LAYOUT CEILING JOISTS/ROOF RAFTERS TO ACCOMMODATE RECESSED LIGHTS EXHAUST FANS OR OTHER ELECTRICAL/MECHANICAL FIXTURES.</p> <p>4. WOOD SOFFIT/CEILING, SIDING &amp; TRIM ALL NAILS, FASTENERS AND HARDWARE MUST BE STAINLESS STEEL OR HOT-DIPPED GALVANIZED. STAPLES ARE NOT PERMITTED.</p> <p>5. INSULATION THERMAL INSULATION IS TO BE FOIL BACKED BATT INSULATION WITH AN R VALUE NOT LESS SPECIFIED IN THE TITLE 24 ENERGY CALCULATIONS. AT BATHROOMS, LAUNDRY ROOM, AND MASTER BED/BATHROOMS INSULATION IS TO BE PROVIDED WITH SOUND INSULATION.</p> <p>6. FLASHING AND SHEET METAL ALL FLASHING AND COUNTER FLASHING IS TO BE GALVANIZED AND INSTALLED AS PER SMACNA STANDARDS. ALL PROPOSED FLASHING AND SHEET METAL MATERIALS, GAUGE AND INSTALLATION IS TO BE IN ACCORDANCE WITH SMACNA MANUAL STANDARDS.</p> <p>7. THE PURPOSE OF THESE DRAWINGS IS TO SHOW CONSTRUCTION MATERIALS/ASSEMBLIES. FOR SPECIFIC SIZES AND DETAILS REFER TO ARCHITECTURAL PLANS, ELEVATIONS, DETAILS, AND STRUCTURAL PLANS. *KEYNOTES ONLY APPLY IF REFERENCED ON PLANS</p> <p>3. INSULATION: REFER TO TITLE 24 REPORT FOR ADDITIONAL RATINGS, REQUIREMENTS, AND INFORMATION</p> <p>4. FIRE BLOCKING TO BE LOCATED AT THE FOLLOWING LOCATIONS PER CRC SECTION R302.11: A. SECTION R302.11-1: 1. FIREBLOCKING SHALL BE PROVIDED IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES AND PARALLEL ROWS OF STUDS OR STAGGERED STUDS, AS FOLLOWS: 1. VERTICALLY AT CEILING AND FLOOR LEVELS 2. HORIZONTALLY AT INTERVALS NOT EXCEEDING 10 FEET</p> <p>8. AT INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS SOFFITS, DROP CEILINGS AND COVE CEILINGS</p> <p>9. IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN, ENCLOSED SPACES UNDER STAIRS SHALL COMPLY WITH SECTION R302.7.</p> <p>10. AT OPENINGS AROUND VENTS, PIPES, DUCTS, CABLES AND WIRES AT CEILINGS AND FLOOR LEVEL, WITH AN APPROVED MATERIAL TO RESIST THE FREE PASSAGE OF FLAME PRODUCTS OF COMBUSTION. THE MATERIAL FILLING THIS ANNULAR SPACE SHALL NOT BE REQUIRED TO MEET THE ASTM E136 REQUIREMENTS</p> <p>11. FOR THE FIREBLOCKING OF CHIMNEYS AND FIREPLACES, SEE SECTION R1003.19</p> <p>12. FIREBLOCKING OF CORNICES OF A TWO-FAMILY DWELLING IS REQUIRED AT THE LINE OF DWELLING-UNIT SEPARATION</p> <p>B - SECTION R302.11.1 - FIREBLOCKING MATERIALS SHALL CONSIST OF FOLLOWING MATERIALS: 1. TWO-INCH NOMINAL LUMBER WITH BROKEN LAP JOINTS 2. TWO THICKNESS OF ONE-INCH NOMINAL LUMBER WITH BROKEN LAP JOINTS 3. THE THICKNESS OF 0.75-INCH WOOD STRUCTURAL PANELS WITH JOINTS BACKED BY 0.75-INCH WOOD STRUCTURAL PANELS 4. THE THICKNESS OF 0.75-INCH PARTICLE BOARD WITH JOINTS BACKED BY 0.75-INCH PARTICLE BOARD 5. ONE-HALF-INCH GYPSUM BOARD 6. ONE-FOURTH-INCH CEMENT-BASED MILLBOARD FIBER OR OTHER APPROVED MATERIAL INSTALLED IN SUCH A MANNER AS TO BE SECURELY RETAINED IN PLACE. 8. CELLULOSE INSULATION INSTALLED AS TESTED IN ACCORDANCE WITH ASTM E119 OR UL 263, FOR THE SPECIFIC APPLICATION</p>	<p><b>LEGEND</b></p> <p>SECTION CUT</p> <p>ELEVATION CALLOUT</p> <p>DETAIL DRAWING REF.</p> <p>ELEVATION MARKER</p>

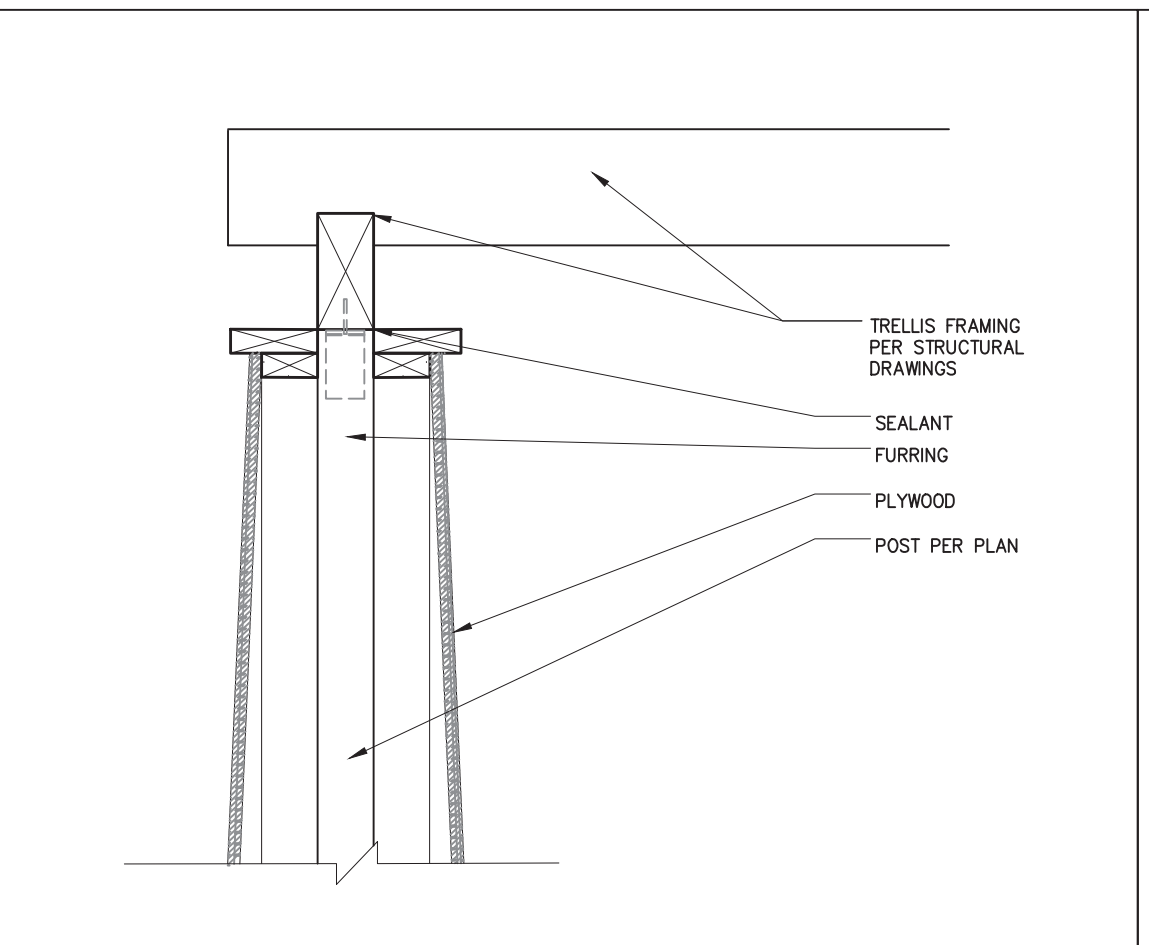




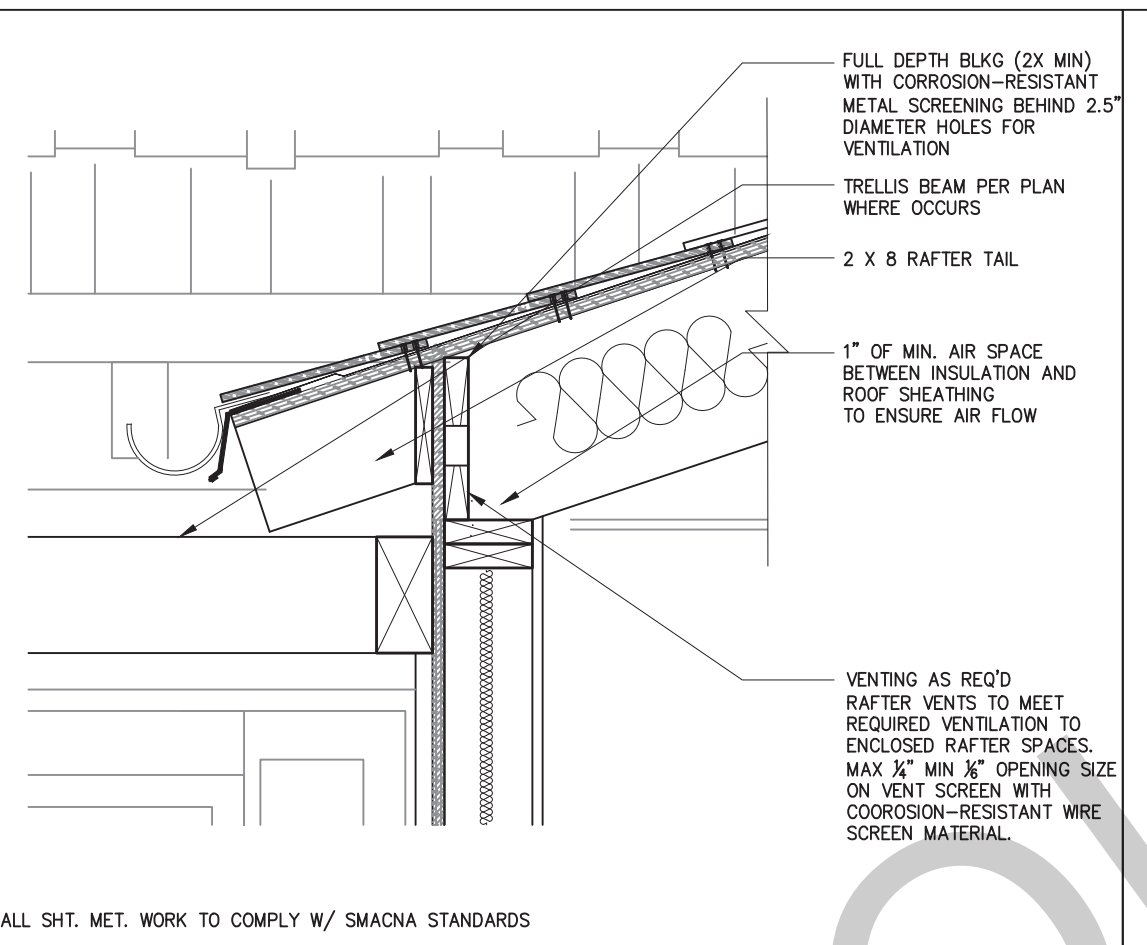
16 IGNITION RESISTIVE GABLE WITH 2x FASCIA SCALE: 1"=1'-0"



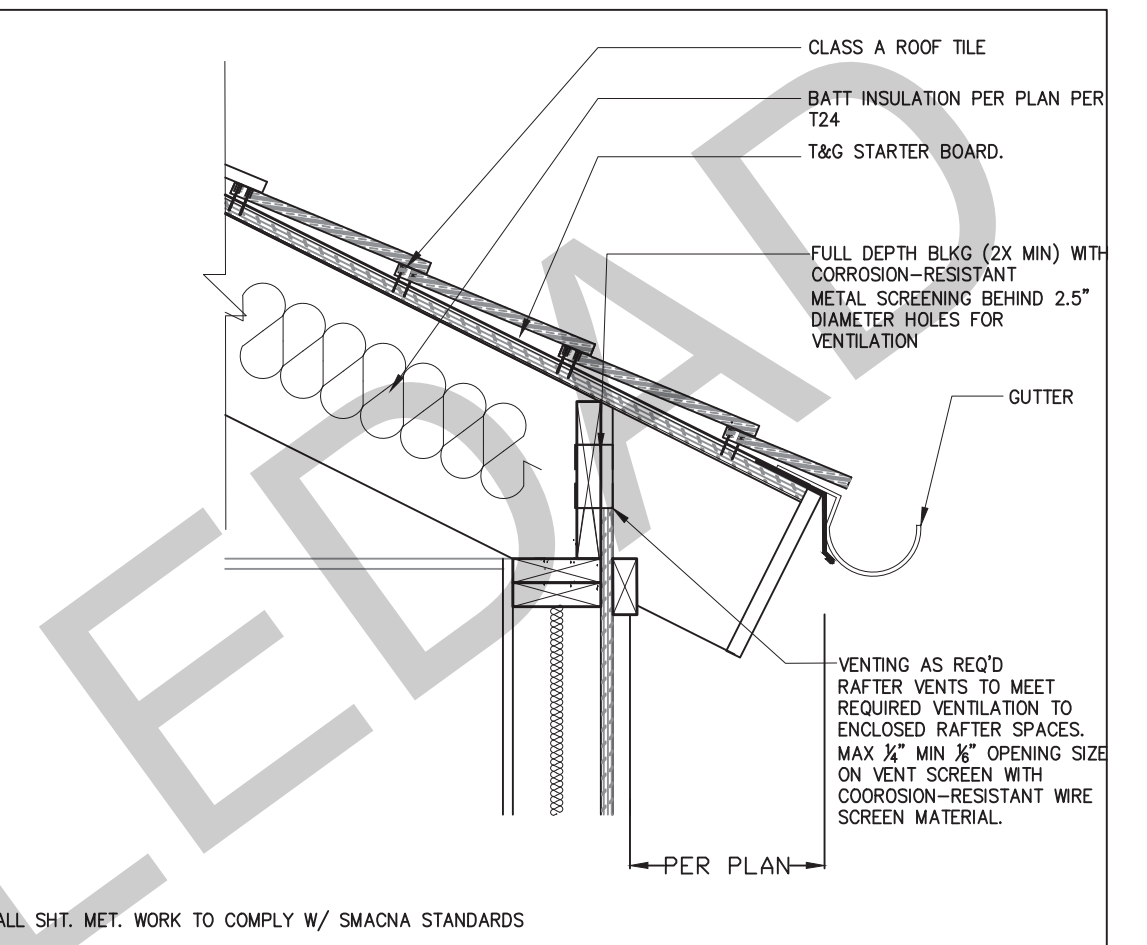
12 IGNITION RESISTIVE RAFTER EAVE WITH 2x FASCIA SCALE: 1"=1'-0"



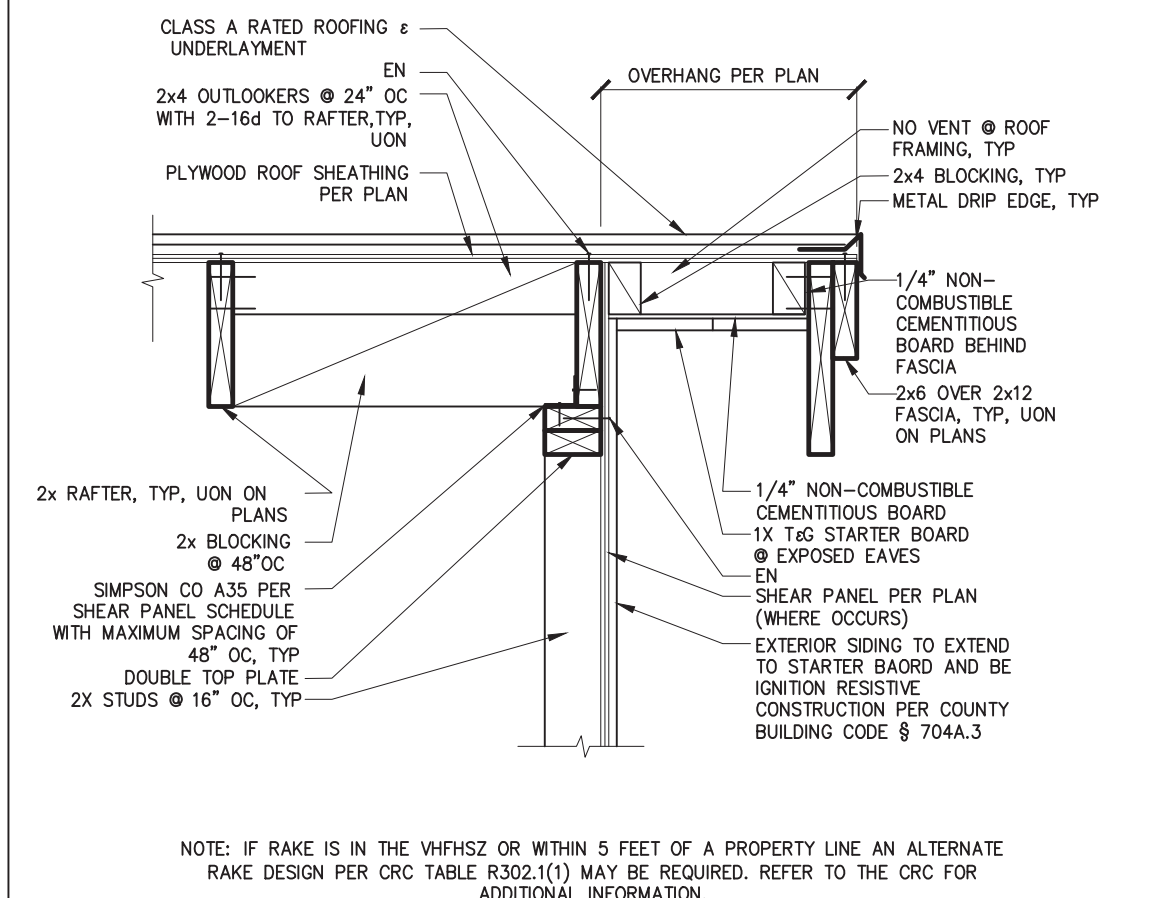
8 TRELLIS BEAM AT COLUMN - CRAFTSMAN SCALE: 1"=1'-0"



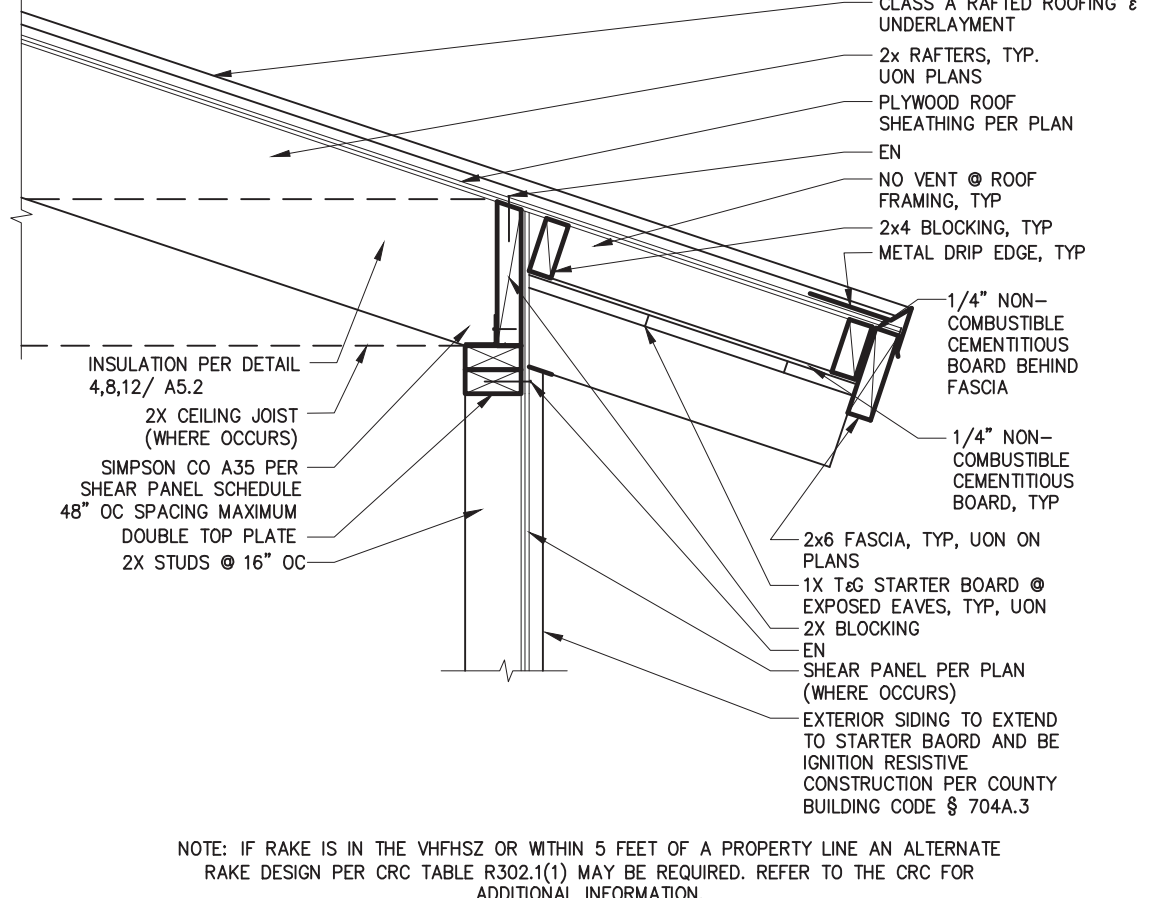
5 EAVE DETAIL WITH VENTING/TRELLIS - CRAFTSMAN SCALE: 1"=1'-0"



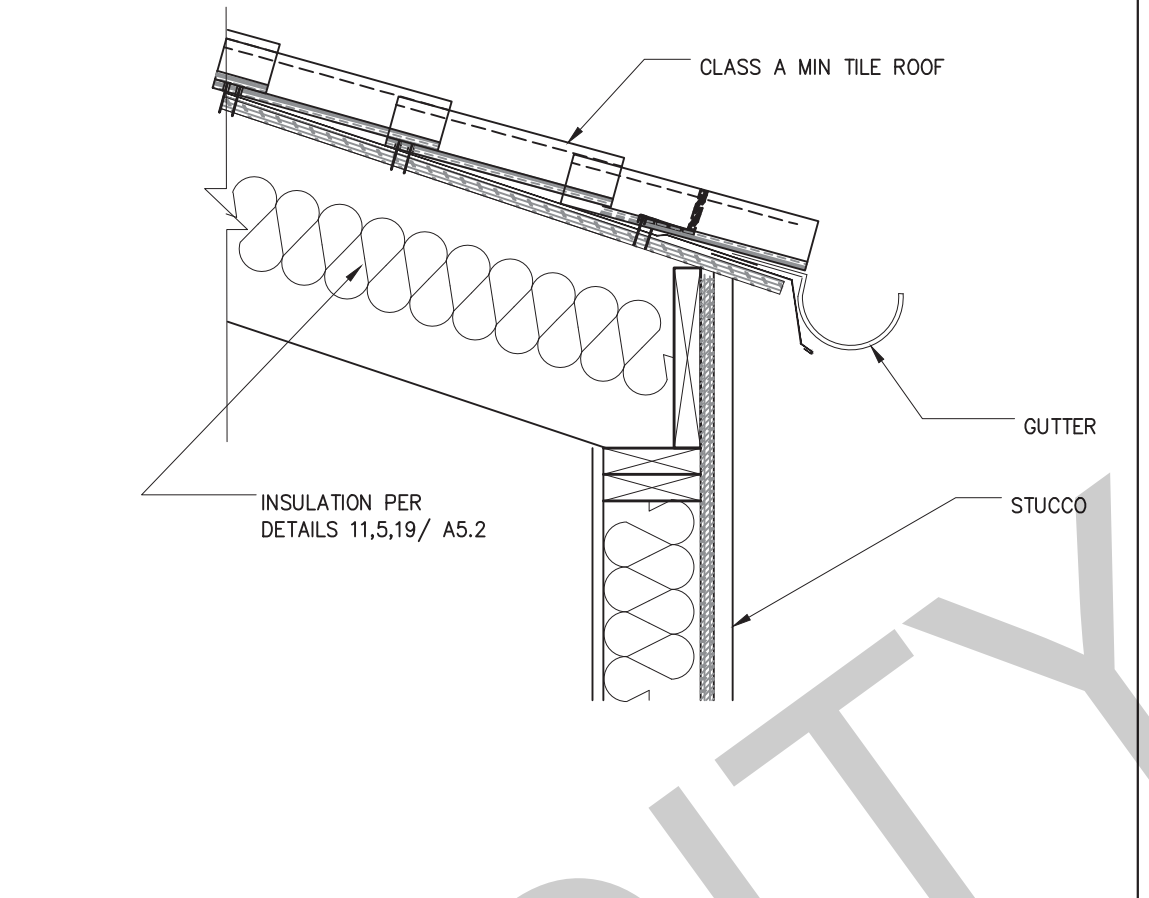
1 EAVE DETAIL WITH VENTING - RANCH/CRAFTSMAN SCALE: 1"=1'-0"



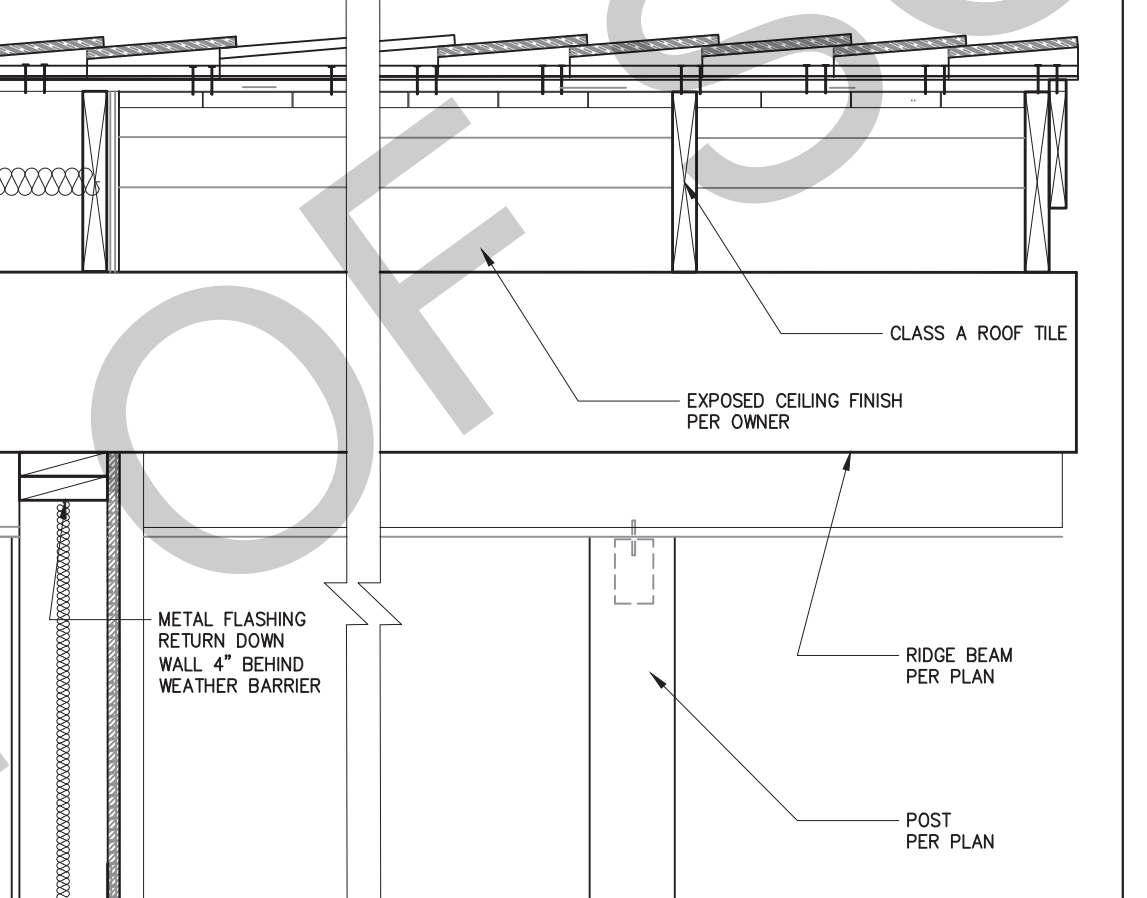
17 IGNITION RESISTIVE GABLE WITH 2x6 & 2x12 FASCIA SCALE: 1"=1'-0"



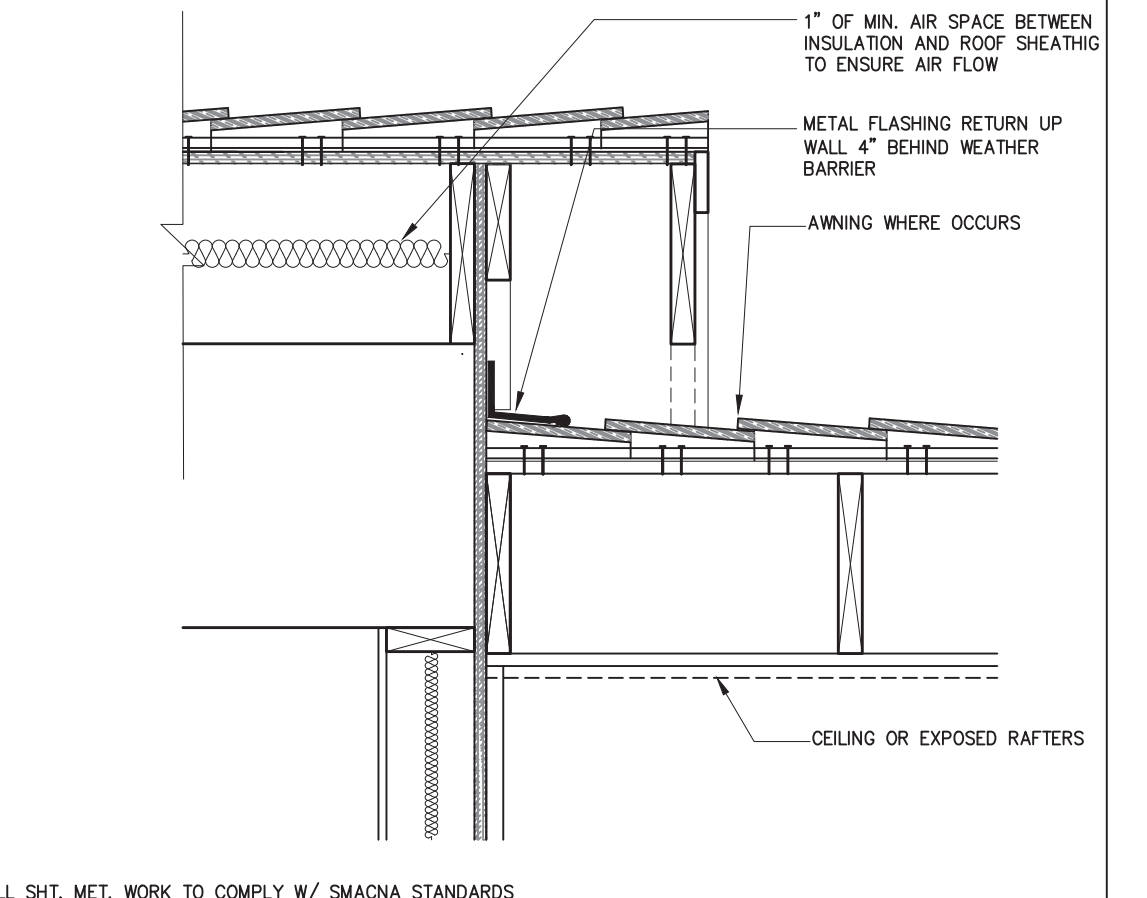
13 IGNITION RESISTIVE EXPOSED RAFTER EAVE SCALE: 1"=1'-0"



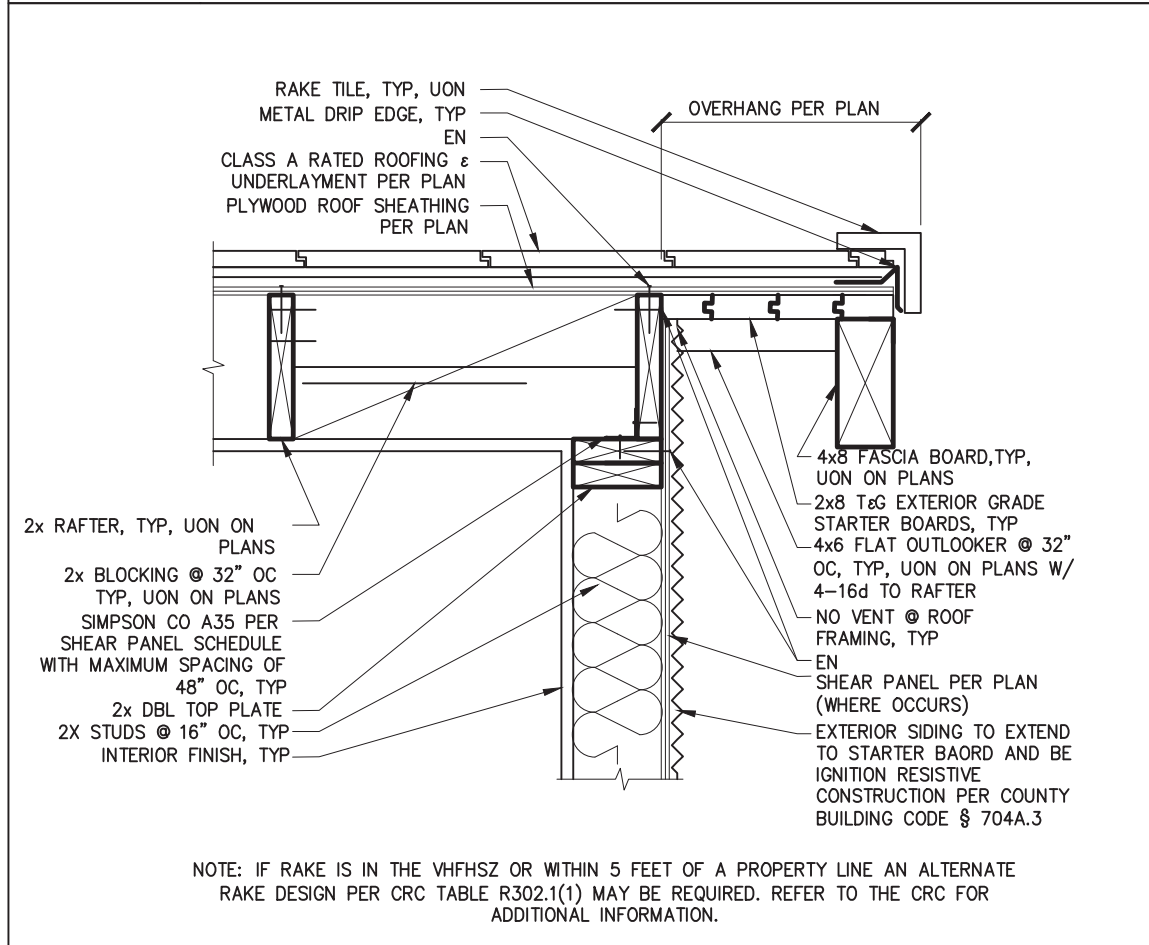
9 RAFTER EAVE WITHOUT VENTING - SPANISH SCALE: 1"=1'-0"



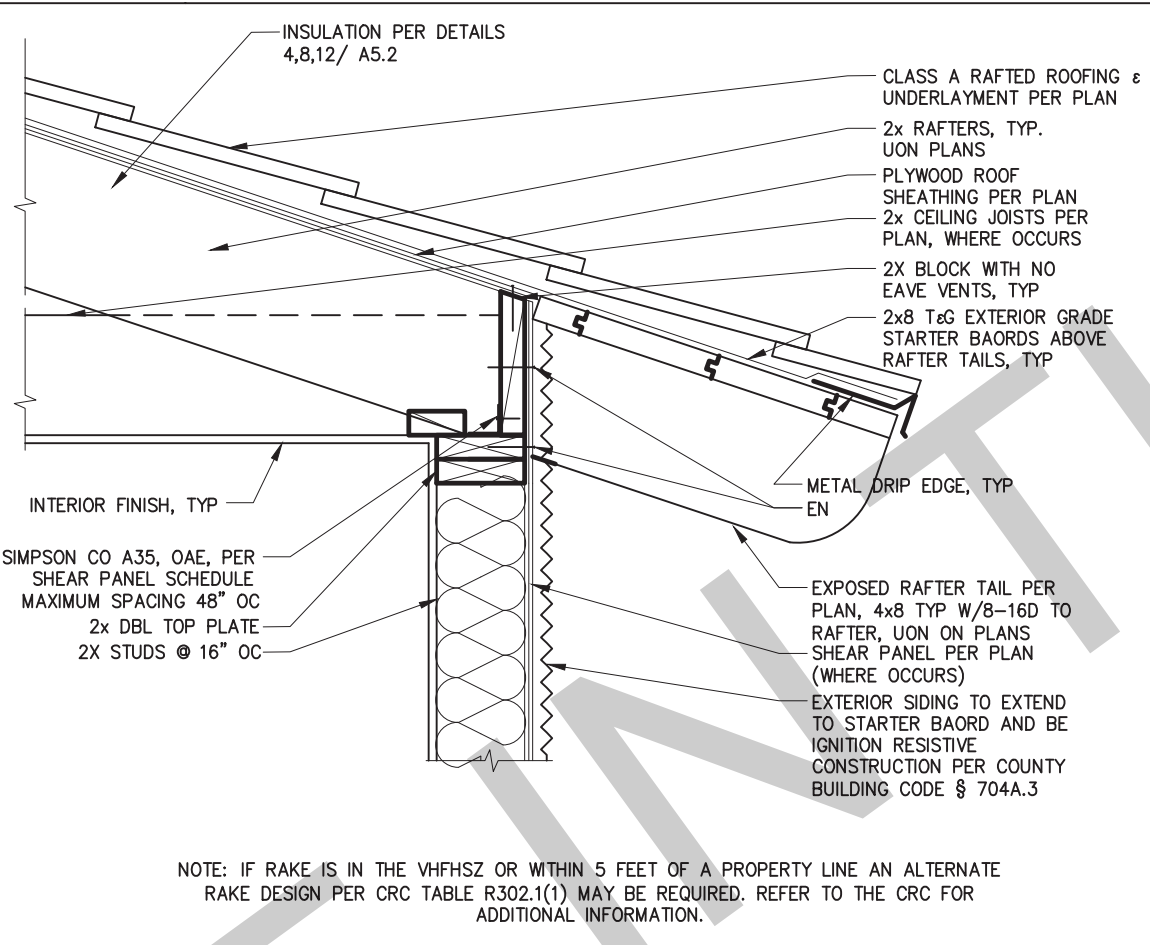
6 RIDGE BEAM/ROOF OVERHANG/ COLUMN CRAFTSMAN/MIDCENTURY/RANCH SCALE: 1"=1'-0"



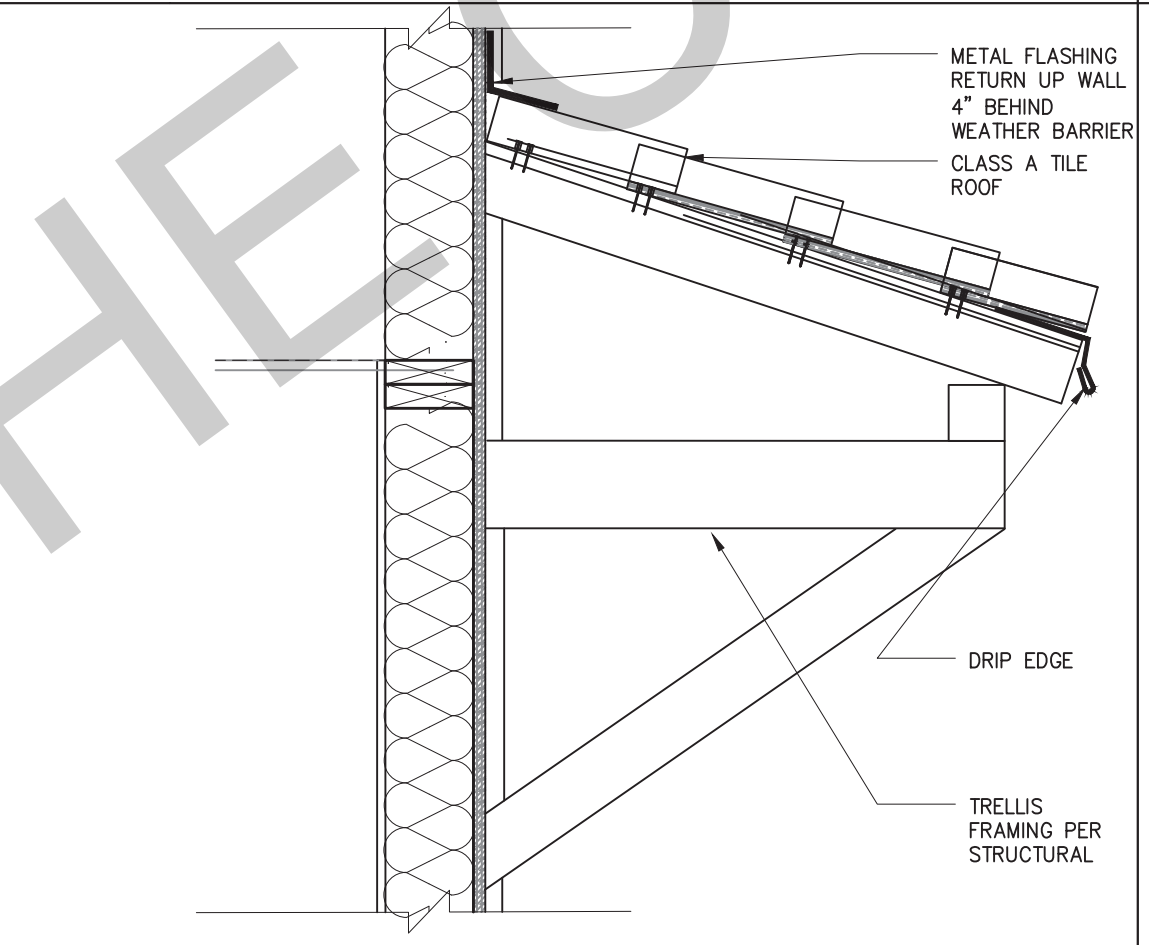
2 GABLE DETAIL AND AWNING (WHERE OCCURS) RANCH/CRAFTSMAN SCALE: 1"=1'-0"



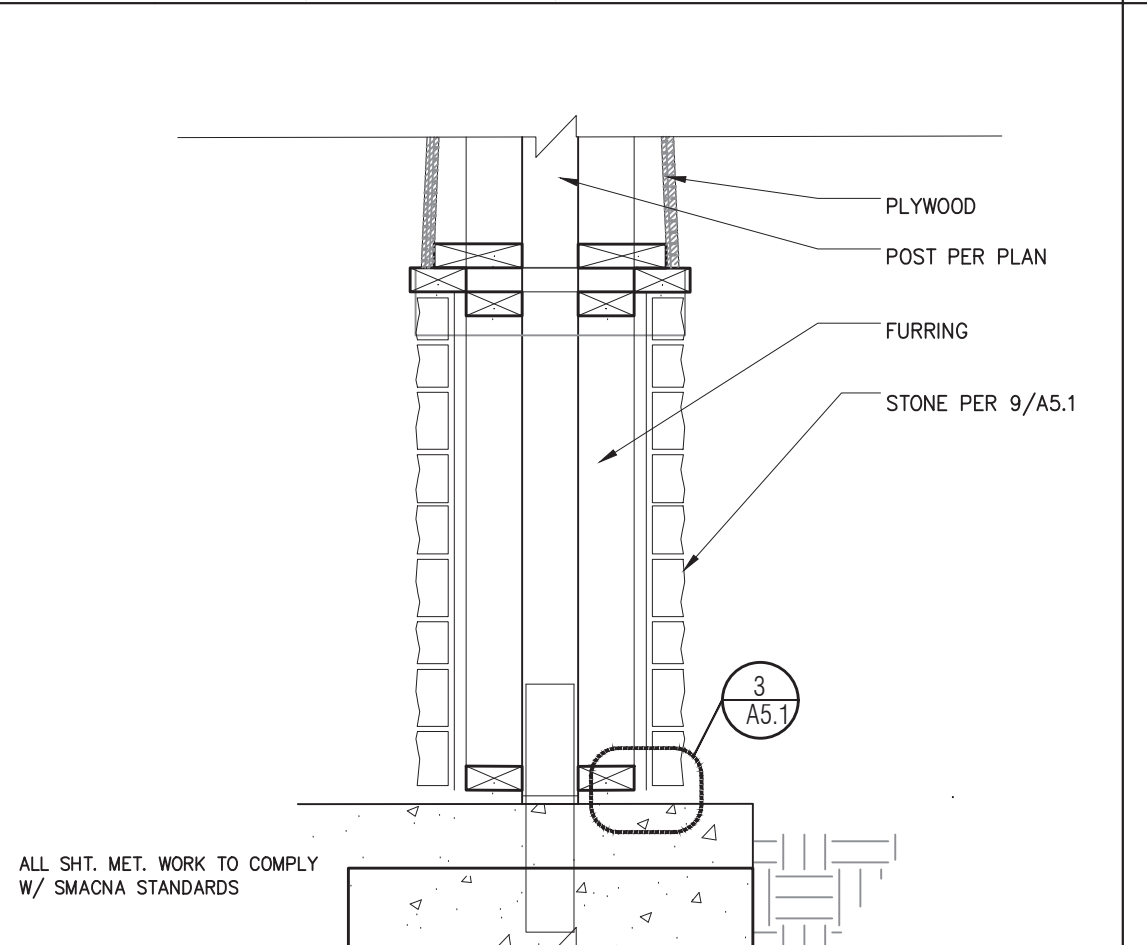
18 IGNITION RESISTIVE GABLE HEAVY TIMBER SCALE: 1"=1'-0"



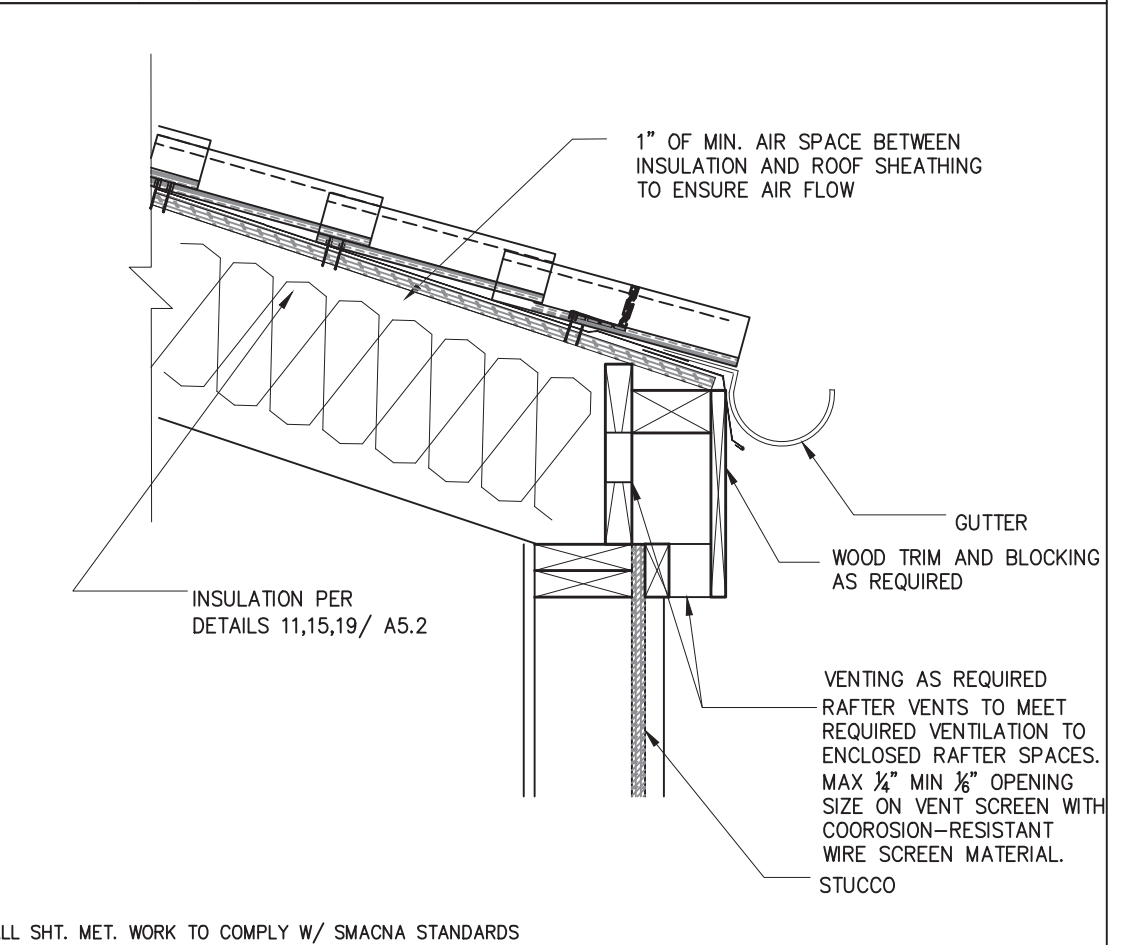
14 IGNITION RESISTIVE RAFTER EAVE HEAVY TIMBER SCALE: 1"=1'-0"



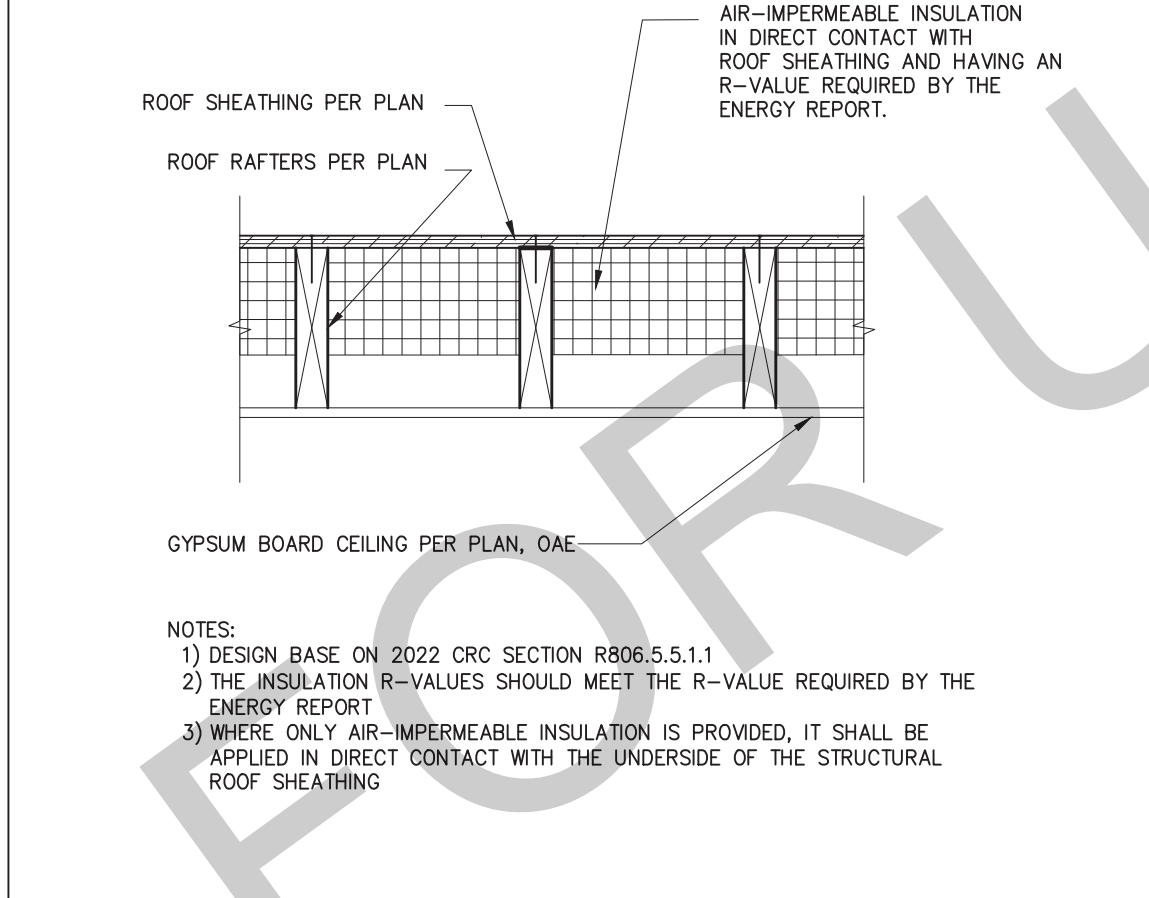
10 AWNING - SPANISH SCALE: 1"=1'-0"



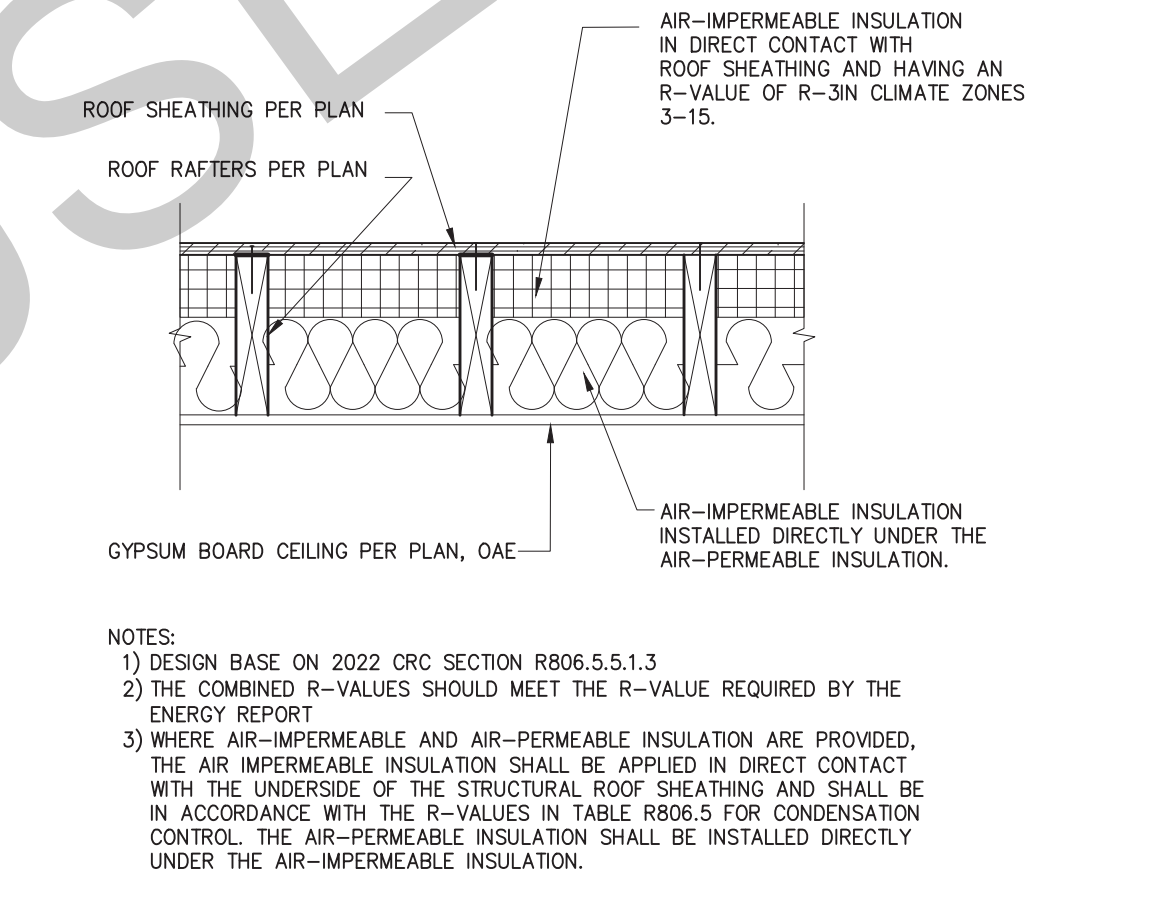
6B RIDGE BEAM/OVERHANG/COLUMN - CRAFTSMAN SCALE: 1"=1'-0"



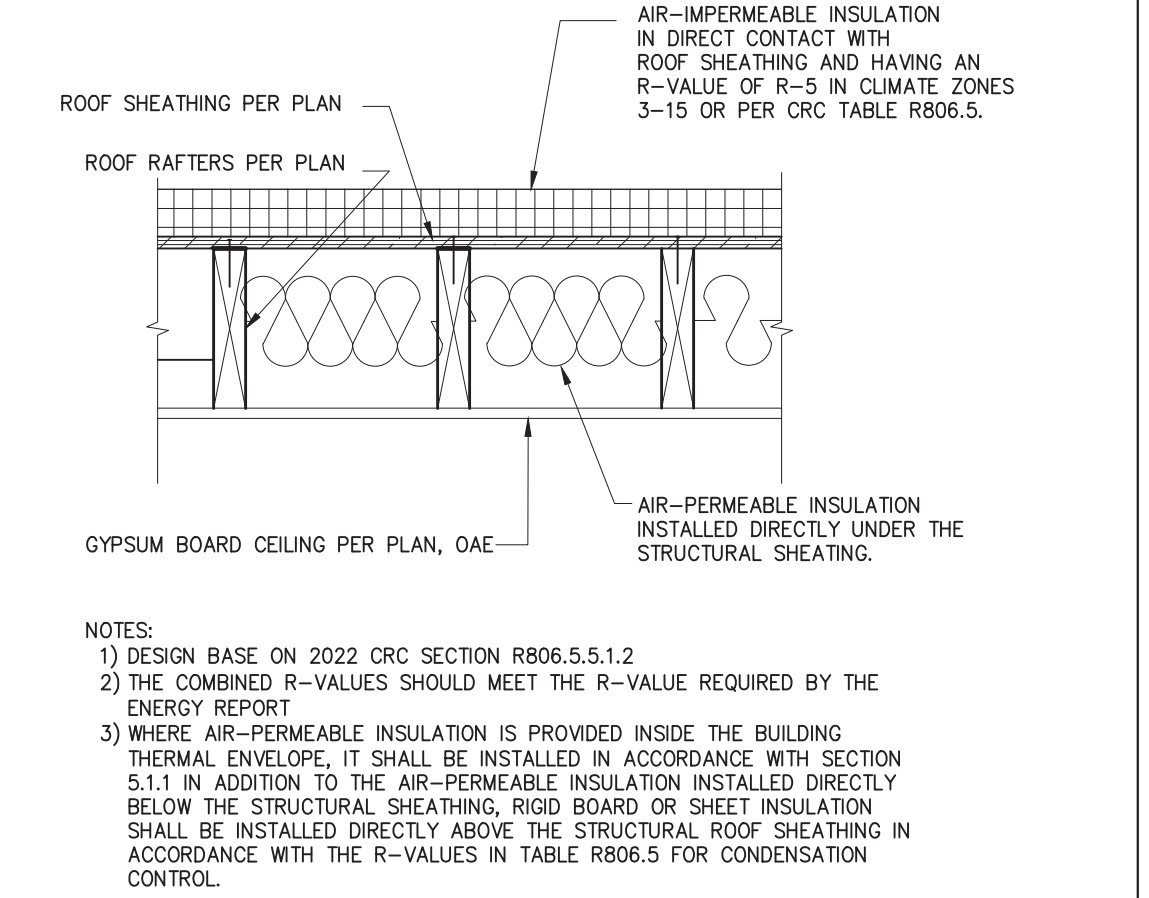
3 RAFTER EAVE WITH VENTING (SPANISH) SCALE: 1"=1'-0"



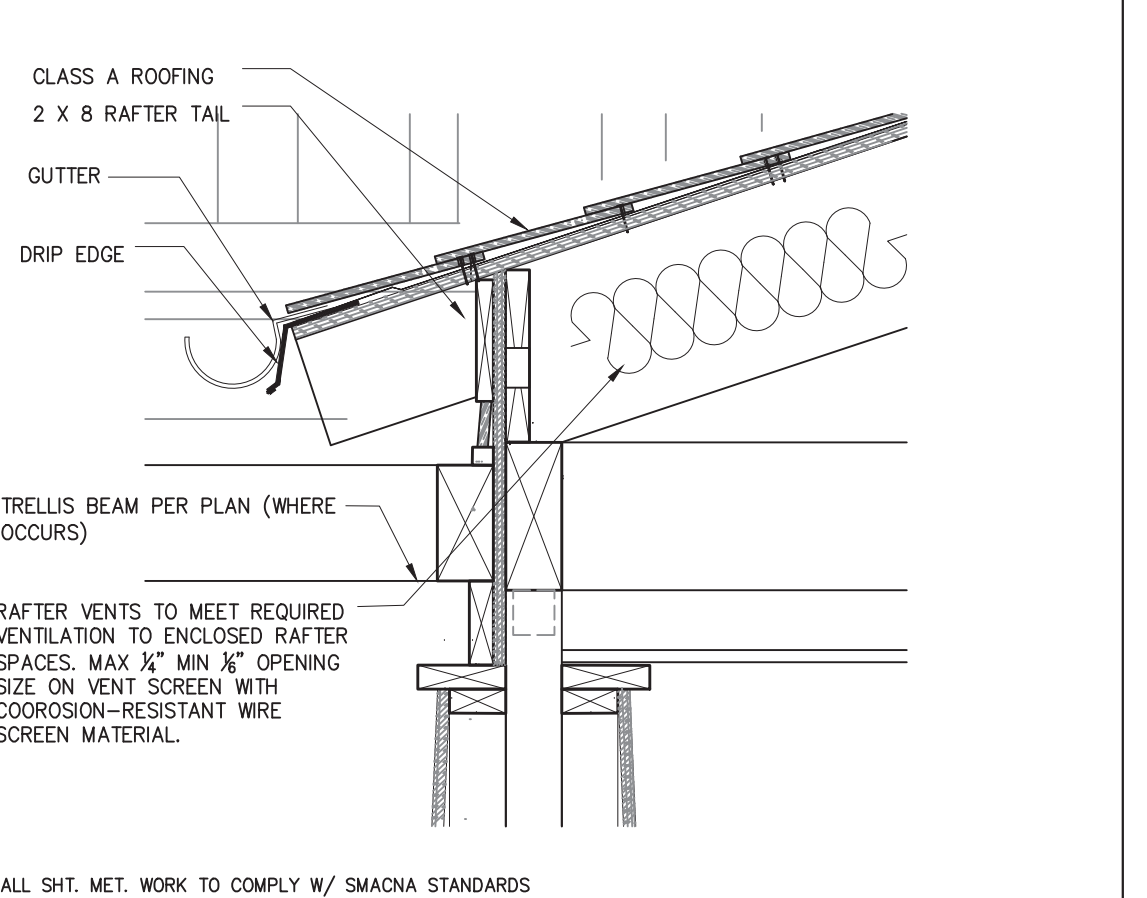
19 INSULATION @ UNVENTED ROOF ASSEMBLY IMPERMEABLE ONLY SCALE: 1"=1'-0"



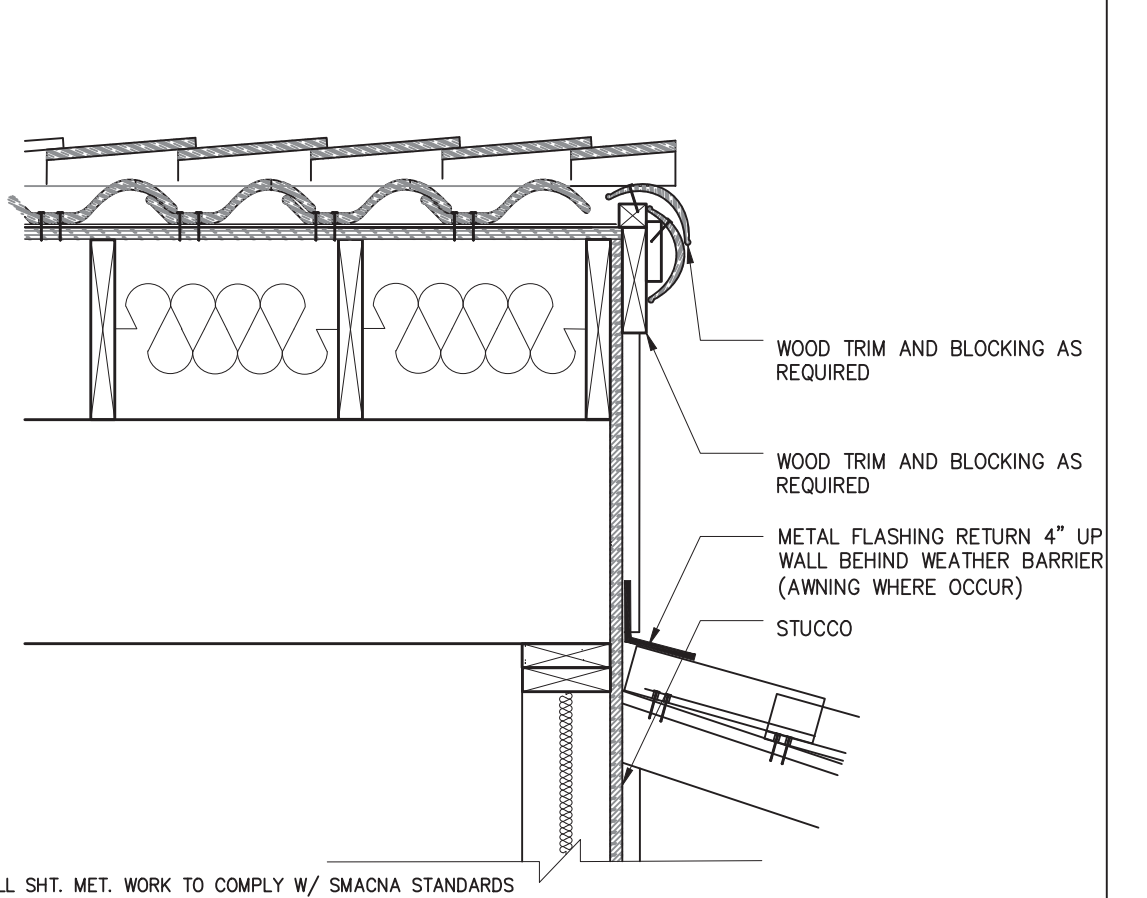
15 INSULATION @ UNVENTED ROOF ASSEMBLY BOTH TYPES SCALE: 1"=1'-0"



11 INSULATION AT UNVENTED ROOF ASSEMBLY-OVER/UNDER SCALE: 1"=1'-0"



7 RAFTERS & TRELLIS TO CRAFTSMAN PORCH COLUMN SCALE: 1"=1'-0"



4 GABLE END AT EXTERIOR WALL (SPANISH) SCALE: 1"=1'-0"

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project  
City of Soledad  
Pre-Approved ADU  
Plans

revisions  
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description  
Architectural  
Roof Finish  
Details

date 02-08-2023

project no.

drawn by

sheet no. **A5.2**

## 2. CONCRETE FOUNDATION CONSTRUCTION

200. THE FIELD INSPECTOR SHALL VERIFY FOUNDATION REQUIREMENTS DURING FOUNDATION INSPECTION.
201. CONCRETE STRENGTH SHALL BE NO LESS THAN 2,500 PSI @ 28 DAYS, OR HIGHER STRENGTH IF NOTED ON THE PLANS.
202. SLAB REINFORCEMENT & FOOTINGS SHALL BE PER STRUCTURAL DETAILS ON SHEET S6, CENTERED IN SLAB.
203. REINFORCING BARS TO BE GRADE 40 FOR #3 BARS, GRADE 60 FOR #4 BARS & LARGER
204. PROVIDE WEAKENED PLANE JOINTS FOR CRACK CONTROL (SAWCUT OR TOOLED JOINT) AT 14'-0" O/C MAX.
205. SILL ANCHORAGE AT ALL SHEARWALL LOCATIONS SHALL BE PER THE SHEARWALL SCHEDULE. ALL SHEARWALL ANCHOR BOLTS SHALL RECEIVE A 3" SQUARE X 0.229" THICK WASHER. THE WASHER MAY BE DIAGONALLY SLOTTED (WIDTH >= BOLT DIAMETER + 3/16", LENGTH <= 1 1/2") PROVIDED THAT A STANDARD CUT WASHER IS USED ON TOP OF THE SQUARE WASHER. SHEARWALL ANCHORS SHALL BE PLACED A MIN. OF 1 1/2" FROM THE EDGE OF CONCRETE.
206. EMBEDDED SILL ANCHOR BOLTS AT TYPICAL NON-SHEARWALL CONDITIONS SHALL BE 3/8" DIA. MIN. ANCHOR BOLTS WITH A STANDARD CUT WASHER. SPACING SHALL NOT EXCEED 48 INCHES O/C. LOCATE AN ANCHOR BOLT NOT MORE THAN 9 INCHES, OR LESS THAN 4" FROM ENDS AND SPLICES. EACH SILL SHALL HAVE (2) SILL BOLTS MIN.
207. ANCHOR BOLTS SHALL BE EMBEDDED A MIN. OF 7 INCHES INTO CONCRETE. IN A TWO-POUR SYSTEM, ANCHOR BOLTS TO BE EMBEDDED 5 INCHES MIN. INTO FIRST POUR.
208. SEE WOOD FRAMING CONSTRUCTION NOTES FOR ALTERNATE SILL ANCHORAGE.
209. ALL HOLDOWNS SHALL BE PLACED A MINIMUM DIM AS SHOWN IN DETAIL 384/IS4 FROM EXTERIOR CORNER OF SLAB.
210. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS. SUBCONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. IMMEDIATELY NOTIFY HOMEOWNER AND CITY OF SOLEDAD OF ANY DISCREPANCY, TYPICAL.
211. PROVIDE A UFER GROUND FOR ELECTRICAL SYSTEM PER ARTICLE 250.52 N.E.C.
212. ALL SURROUNDING FLAT WORK SHALL BE VERIFIED WITH HOMEOWNER FOR LOCATION AND AMOUNT TO BE POURED.
213. RETROFIT MISPLACED HOLDOWNS AS NOTED BELOW. AT EPOXY ANCHORS USE SIMPSON SET-XP EPOXY PER MANUFACTURERS INSTALLATION REQUIREMENTS AS FOLLOWS:
- | RETIROFIT BOLT       | REPLACEMENT HARDWARE       |
|----------------------|----------------------------|
| MISPLACED HOLDOWN    |                            |
| LSTD8, HTT4          | 3/8" ALL-THREAD, EMBED 9"  |
| LSTD10, STDH14, HTT5 | 3/8" ALL-THREAD, EMBED 9"  |
| LTT20B               | 1/2" ALL-THREAD, EMBED 7"  |
| LTT20B               | ATTACH TO EXISTING A.B.    |
| LTT20B               | 3/8" ALL-THREAD, EMBED 15" |
| HDU8                 |                            |
214. RETROFIT 3/8" & 3/4" EMBEDDED ANCHOR BOLTS AS NOTED BELOW. AT EPOXY ANCHORS USE SIMPSON SET-XP EPOXY PER SIMPSON'S INSTALLATION REQUIREMENTS.
- | LOCATION                   | TYPE                   | REPLACEMENT   |
|----------------------------|------------------------|---|
| SLAB EDGE, 1/3" DIA. DIST. | SHEARWALL              | 3/8" ALL-THREAD, EPOXY, EMBED 3" OR 3/4" TITEN HD, EMBED 3" MIN.  |
| INTERIOR > 6" EDGE DIST.   | SHEARWALL OR NON-SHEAR | 3/8" TITEN HD, EMBED 3" MIN.  |
| ANY OTHER                  | NON-SHEAR              | 0.145 DIA. SHOT PINS SPACED 4 INCHES APART ON SILL. (2) FOR EACH MISSING ANCHOR BOLT. MAX. OF (6) SHOT PINS EVERY 6 FT. |

215. WHEN REQUESTING A BUILDING DEPARTMENT FOUNDATION INSPECTION, HAVE CONTRACTOR DOCUMENTATION IN WRITING FOR THE FOLLOWING:
- THE PAD WAS PREPARED IN ACCORDANCE WITH THE SITE REQUIREMENTS AND CITY OF SOLEDAD APPROVAL.
  - THE UTILITY TRENCHES HAVE BEEN PROPERLY CHARACTERIZED & COMPACTED.
  - THE FOUNDATION EXCAVATIONS, EXPANSIVE CHARACTERISTICS AND BEARING CAPACITY COMPLIES WITH THE CITY OF SOLEDAD RECOMMENDATIONS.
216. ALL HOLDOWN ANCHORS & HARDWARE MUST BE TIED IN PLACE PRIOR TO CALLING FOR A FOUNDATION INSPECTION.

## 3. WOOD FRAMING CONSTRUCTION

300. ROOFING MATERIALS SHALL BE PER ARCHITECTURAL DRAWINGS.
301. ROOF SHEATHING SHALL BE 1/2" OR 5/8" C-D GRADE, INTERIOR TYPE PLYWOOD WITH EXTERIOR GLUE, OR OSB PANELS. IDENTIFICATION INDEX (240) W/ 8D COMMON NAILS @ 6" O/C @ ALL PERIMETER EDGES AND ALL INTERIOR SUPPORTED EDGES AND @ 12" O/C @ ALL INTERMEDIATE SUPPORTS. SEE DETAILS FOR SHEAR AND DRAG NAILING.
302. TYPICAL WALL SHEATHING:  
INTERIOR SURFACES: WHERE DRYWALL IS SPECIFIED, PROVIDE MIN. 5/8" GYPSUM WALLBOARD W/ 5D COOLER NAILS OR EQUAL @ 7" O/C TO ALL STUDS AND TO TOP & BOTTOM PLATES (UNBLOCKED) AT INTERIOR SIDE OF EXTERIOR WALLS AND AT BOTH SIDES OF ALL INTERIOR WALLS.
- EXTERIOR SURFACES: SEE PLANS. WHERE "STUCCO" IS SPECIFIED PROVIDE 1/2" EXTERIOR CEMENT PLASTER OVER WIRE LATH OVER TYPE 15 BUILDING PAPER. LATH ATTACHED TO ALL STUDS AND TOP AND BOTTOM PLATES (OR BLOCKING AS OCCURS) W/ 16 GAGE X 1/8" STAPLES @ 6" O/C OR NO. 11 GAGE X 1-1/2" FURRING NAILS WHERE INDICATED ON ELEVATIONS.
303. STRUCTURAL SHEATHING MAY BE EITHER OSB OR PLYWOOD. ANY NOTES REFERRING TO PLYWOOD ALSO APPLIES TO OSB.
304. TOP PLATES SHALL BE DOUBLE 2X W/ WIDTH EQUAL TO STUDS BELOW, W/ (21) 16D NAILS MIN. @ MINIMUM 4'-0" LAP SPLICES. USE SIMPSON RPS OR CS16 STRAP EACH SIDE OR ONE SIDE AND TOP WHERE LAP SPLICE IS NOT POSSIBLE. SEE DETAILS FOR NOTCHES, CUT-OUTS AND COMPLETE PLATE BREAKS AT HEATING, VENTING, AND PLUMBING.

## 3. WOOD FRAMING CONSTRUCTION (CONT.)

305. TYPICAL SHEAR TRANSFER:  
ROOF TO WALL: CONNECT ROOF FRAMING TO TOP PLATE W/ SIMPSON H1 @ 24" O/C OR A35 OR RBC @ 24" O/C OR PER SHEAR TRANSFER DETAILS.
- SILL PLATE ANCHORS:
306. GROUND FLOOR / SLAB ON GRADE WALLS: PROVIDE 2X (MIN.) PTDF SILL PLATES. SEE CONCRETE FOUNDATION CONSTRUCTION NOTES 206, 207 & 208 FOR ANCHOR BOLTS. AT INTERIOR NON-SHEAR CONDITIONS, 0.145 SHOT PIN ANCHORS @ 32" O/C MAY BE USED TO CONNECT PARTITIONS AND BEARING WALLS TO SLAB.
307. ALL WOOD SILL PLATES AND ALL WOOD MEMBERS DIRECTLY AGAINST CONCRETE OR MASONRY SHALL BE FOUNDATION GRADE REDWOOD SILLS OR PTDF SILLS, TREATED WITH SODIUM BORATE (SBX/DOT) WHEN INSTALLED IN A DRY OR ENCLOSED ENVIRONMENT. (SODIUM BORATE TREATMENT DOES NOT REQUIRE CORROSION RESISTANT CONNECTORS.) IF OTHER TREATMENTS ARE USED, SEE NOTE 309.
308. FASTENERS IN CONTACT WITH PRESSURE TREATED WOOD:  
ALL NAILS AND FASTENERS IN CONTACT WITH PRESSURE TREATED LUMBER TREATED WITH ACQ-C, ACQ-D, CA-B, AND CBA-A WITHOUT AMMONIA SHALL BE GALVANIZED PER ASTM A153.
- ALL NAILS AND FASTENERS IN CONTACT WITH PRESSURE TREATED LUMBER TREATED WITH ACQ-C, ACQ-D, CA-B, AND CBA-A WITH AMMONIA SHALL BE TYPE 303, 304, 305, OR 316 STAINLESS STEEL.
- WHERE PRESSURE TREATED LUMBER IS INSTALLED IN AN EXTERIOR WET ENVIRONMENT, ALL NAILS AND FASTENERS IN CONTACT WITH THE PRESSURE TREATED LUMBER SHALL BE TYPE 303, 304, 305, OR 316 STAINLESS STEEL.
309. RE-TIGHTEN ALL HOLDOWN ANCHORS JUST PRIOR TO COVERING THE WALL FRAMING.
310. ENGINEERED BEAMS ARE AS FOLLOWS:  
"PSL" REFERS TO PARALLEL STRAND LUMBER (E=2.0, FB=2900).  
"LSL" REFERS TO LAMINATED STRAND LUMBER (E=1.55, FB=2325).  
(E=1.3 & FB=1700 AT LSL CONDITIONS WITH D (DEPTH) < 9")  
"LVL" REFERS TO LAMINATED VENEER LUMBER (E=2.0, FB=2800).  
"GLB" REFERS TO 24F-1.8E GLU-LAM WITH STANDARD CAMBER, U.N.O.  
"JC" ENGINEERED GLU-LAM BEAM MAY BE USED UPON ENGINEER APPROVALS. AN A.I.T.C CERTIFICATE OF COMPLIANCE ISSUED BY A CURRENT ICC APPROVED QUALITY CONTROL AGENCY FOR GLUED LAMINATED WOOD MEMBERS SHALL BE GIVEN TO THE BUILDING INSPECTOR PRIOR TO INSTALLATION.
311. LUMBER SPECIFICATIONS:  
ALL FRAMING LUMBER SHALL BE DOUGLAS FIR-LARCH. STUDS, PLATES & BLOCKING:  
2X4 FRAMING LUMBER NOT LISTED BELOW STANDARD GRADE OR BETTER  
92-1/4", 104-1/4", & 116-1/4" 2X4 STUDS  
2X4 STUDS OVER 10' #2 OR BETTER  
2X4 SILLS & PLATES STANDARD OR BETTER  
2X6 STUDS, SILLS, & PLATES #2 OR BETTER  
4X4 STUDS & POSTS STANDARD OR BETTER OR #1  
4X6, 6X6, & LARGER STUDS & POSTS #1 OR BETTER  
4X4, 4X6, 4X8 BEAMS & HEADERS #2 OR BETTER  
4X10, 4X12, 4X14 BEAMS & HEADERS #1 OR BETTER  
6X4 BEAMS & HEADERS #2 OR BETTER  
6X6 & LARGER BEAM & HEADERS #1 OR BETTER  
2X6 AND LARGER RAFTERS AND JOISTS #2 OR BETTER
312. HOLES, CUTOUTS, AND NOTCHES IN FRAMING MEMBERS:  
BY VIRTUE OF CODE COMPLIANCE WITH ELECTRICAL AND PLUMBING CODES, HOLES AND NOTCHES WILL INEVITABLY BE MADE IN FRAMING MEMBERS. THE CODE RECOGNIZES AND APPROVES VARIOUS HOLES AND NOTCHES WITHOUT ENGINEERING JUSTIFICATION IN CBC SECTION 2308.8.2. ENGINEERED (PSL, LSL) RECTANGULAR LUMBER BEAMS BEHAVE LIKE ANY OTHER RECTANGULAR SHAPE WHEN NOTCHED OR BORED, SO THE ENGINEER OR ARCHITECT MAY SPECIFY LIMITS WITHOUT MANUFACTURER APPROVAL. OTHER HOLES AND NOTCHES ARE ALLOWED AS NOTED BELOW:
- PSL AND LVL BEAMS: A HOLE 1 INCH IN DIAMETER CAN BE DRILLED ANYWHERE, AND A 2 INCH DIA. HOLE CAN BE DRILLED IN THE MIDDLE THIRD OF THE SPAN IN THE MIDDLE THIRD OF THE DEPTH OF THE BEAM FOR ANY PSL OR LVL BEAM, EXCEPT CANTILEVERED BEAMS AND BEAMS SUPPORTING CONCENTRATED LOADS. HOLES IN THOSE CONDITIONS REQUIRE APPROVAL IN WRITING FROM THE ENGINEER.
- PSL AND LVL BEAMS: A RAKE CUT (TAPER) AT THE TOP OF THE BEAM AT THE END OF THE SUPPORT IS ALLOWED IF NOTED ON PLANS, TO A MINIMUM OF 4-3/8" AT INSIDE FACE OF SUPPORT. RAKE CUT (TAPER) THAT RESULTS IN A DEPTH AT THE INSIDE FACE OF THE SUPPORT OF 2/3RDS THE BEAM DEPTH IS ALLOWED AT CONDITIONS NOT SPECIFIED. OTHER TAPERED ENDS AND SQUARE NOTCHES IN TOP OR BOTTOM FACE REQUIRE APPROVAL IN WRITING FROM THE ENGINEER OR ARCHITECT.
- STUDS AND PLATES: SEE STRUCTURAL DETAILS 14 & 16 ON SHEET S4 FOR NOTCHING AND BORING.
313. PROVIDE 2X4 TRIMMER & 2X4 KING STUD EACH END OF EACH 4X DROPPED BEAM OR HEADER. PROVIDE DOUBLE TRIMMERS AT EACH 4X10 OR LARGER. PROVIDE DOUBLE TRIMMERS AT EACH 3-1/2 X 7-1/2 PSL OR LSL OR LARGER.
314. PROVIDE 2X6 TRIMMER & 2X6 KING STUD EACH END OF EACH 6X DROPPED BEAM OR HEADER. PROVIDE DOUBLE TRIMMERS AT EACH 6X8 OR LARGER. PROVIDE DOUBLE TRIMMERS AT EACH 5-1/4 X 7-1/2 PSL OR LSL OR LARGER.
315. PROVIDE DOUBLE KING STUDS AT ALL OPENINGS 8'-1" WIDE AND WIDER OR PER PLAN.
316. PROVIDE MINIMUM 2-1/4" BEARING @ EACH END OF EACH FLUSH BEAM OR HEADER WHERE BEARING IS ON TOP PLATE. PROVIDE 2X4 STUD WITHIN 3' OF BEARING POINT. PROVIDE (2) 2X STUDS @ 6X OR LSL OR PSL BEAMS.
317. ROOF RAFTERS SHALL BE 2X RAFTERS AS NOTED ON STRUCTURAL DRAWINGS
318. EAVES SHALL BE PER ARCHITECTURAL PLANS W/ APPLIED TAILS PER ARCHITECTURAL PLANS. OVERHANG DETAILS ARE NOT SHOWN ON STRUCTURAL PLANS.
319. SEE THE ARCHITECTURAL ROOF PLANS FOR ROOF PITCH AND ADDITIONAL INFORMATION.
320. COMBINE AND GROUP PLUMBING VENTS WHENEVER POSSIBLE TO MINIMIZE ROOF PENETRATIONS.

## 3. WOOD FRAMING CONSTRUCTION (CONT.)

321. WOOD TO WOOD CONNECTORS SHALL BE SIMPSON STRONG TIE OR USP STRUCTURAL CONNECTORS. ALL SPECIFIED CONNECTOR CALL-OUTS ARE SIMPSON CATALOG CALL-OUTS. USP SUBSTITUTIONS SHALL HAVE A CAPACITY EQUAL TO OR GREATER THAN THE SIMPSON CATALOG VALUES. ANY OTHER ICC APPROVED METAL CONNECTOR MAY BE USED UPON APPROVAL BY THE ENGINEER OR ARCHITECT.
322. ICC APPROVED CONNECTORS SHALL BE USED WHERE CONNECTORS ARE SPECIFIED. UNLESS OTHERWISE NOTED, THE FOLLOWING BEAM AND JOIST HANGERS SHALL BE USED:
- | BEAM OR JOIST        | SIMPSON/USP HANGER       |
|----------------------|--------------------------|
| I-JOIST FLOOR JOISTS | IUS, IUT, OR ITT HANGERS |
| 1.75 X LSL AND LVL   | HU, HUS, OR WPU          |
| 2.69 X PSL AND LVL   | HU OR HWU                |
| 3.5 X PSL AND LVL    | HHUS OR HWU              |
| 5.25 X PSL AND LVL   | HHUS OR HWU              |
| 7 X PSL AND LVL      | HHUS OR HWU              |
- AT BEAM HANGER CALLOUTS, IE HGUS OR HU BEAMS, THE CALLOUT IS ABBREVIATED. THE HANGER WIDTH MAY BE OMITTED TO ALLOW FLEXIBILITY IN ORDERING. EXAMPLE: 2.69 PSL THE CALLOUT MAY READ HGUS12. AN HGUS2.75/12 OR HGUS412 (WITH FILLERS) ARE APPLICABLE. WHERE HANGERS OFFER (MIN) OR (MAX), NAIL TO APPLY (MAX) LOADS.
323. WHERE SHEARWALL LENGTHS ARE SPECIFIED ON THE PLANS, THE LENGTH SHOWN IS A MINIMUM DIMENSION. THE SHEARWALL MAY BE LENGTHENED FOR CONSTRUCTION PURPOSES, BUT SHALL NOT BE REDUCED UNLESS OTHERWISE NOTED. ALL ENGINEERED WOOD PANEL SHEAR (PLYWOOD OR OSB) SHALL BE BLOCKED.
324. THE FOLLOWING HOLES IN SHEARWALLS ARE ALLOWED:  
A) APPROXIMATELY SQUARE HOLES NOTCHED, PUNCHED, OR CUT THAT ARE LESS THAN 25 SQ. INCHES  
B) APPROXIMATELY SQUARE HOLES CLEAN CUT OR BORED IN SHEARWALLS THAT ARE LESS THAN 64 SQ. INCHES (ONE HOLE PER 4' OF SHEARWALL).  
C) APPROXIMATELY SQUARE HOLES, LESS THAN 64 SQ. INCHES (ONE HOLE PER 8' OF SHEARWALL) WITH ALL EDGES BLOCKED & EDGE NAILED.  
D) HOLES INDIVIDUALLY APPROVED BY THE ENGINEER OR ARCHITECT OF RECORD.
325. STUDS SHALL BE SPACED @ 16" O/C MAX. UNLESS OTHERWISE SPECIFIED. USE STUD GRADE EXCEPT AT PLATE HEIGHTS HIGHER THAN 10'-0", THEN USE DF#2 OR BETTER
326. ALL FINISHES, WATERPROOFING, DRAINAGE, AND FIRE-RELATED ELEMENTS ARE BY THE ARCHITECT OF RECORD AND ARE REQUIRED EVEN THOUGH THEY MAY NOT BE SHOWN ON THE STRUCTURAL PLANS AND DETAILS.

## 4. ICC-ES AND NER APPROVALS

400. PLYWOOD AND OSB PANELS: FULL REPORTS FOUND AT: [HTTP://WWW.ICC-ES.ORG](http://www.icc-es.org)  
APA PLYWOOD & OSB-ESR-2586
401. JOISTS AND RAFTERS AND BEAMS:  
TRUSS-JOIST TJI JOISTS AND PSL, LSL, & LVL--ICC-ES ESR-1387, 1153,  
BOISE CASCADE BCI JOISTS, VERSA-LAM, & VERSA-STRAND--ICC-ESR-1040, 1336  
LOUISIANA PACIFIC JOISTS & BEAMS--ESR-1305, 2403  
ROSEBURG JOISTS & BEAMS--ESR-1210, 1251  
GLU-LAM BEAMS-- ESR-1940  
PACIFIC WOOD TECH - ESR 2909
402. WOOD CONNECTORS:  
SIMPSON CONNECTORS--ICC-ES ESR #S 1161, 1622, 1866, 2105, 2203, 2236, 2320, 2549, 2551, 2552, 2553, 2330, 2554, 2555, 2604, 2605, 2606, 2607, 2608, 2611, 2613, 2614, 2615, 2616, 2617, 2920, 3046  
IAPMO ER-112, 130, 143, 192, 262  
USP LUMBER CONNECTORS--ICC-ES ESR #S 1178, 1280, 1575, 1702, 1781, 1881, 1970, 2104, 2685, 1831, 1465, 2761, 2787, IAPMO ER-200  
QUICK DRIVE WOOD SCREWS--ICC-ES ESR-1472
403. ADHESIVES & ANCHORS:  
SIMPSON EPOXY-TIE HIGH STRENGTH EPOXY (SET-XP)--ICC-ES ESR-1772, 2508.  
SIMPSON WEDGE-ALL (WA) WEDGE ANCHORS--ICC-ES ES-1771  
SIMPSON TITEN HD--ICC-ESR-1056, 2713  
SIMPSON SHOT PINS ICC-ES ESR-2138  
HILTI X-DN, X-ZF, X-CF SHOT PINS--ICC-ES ER-1663, 1752, 2269

## 5. NAILING & FASTENING

500. 16D NAILS AS SHOWN ON THE DETAILS MAY BE COMMON, BOX, OR SINKER NAILS (0.135" MIN. DIA)
501. AS AN ALTERNATE TO THE COMMON AND BOX NAILS SPECIFIED IN THE STRUCTURAL PLANS, THE FOLLOWING "CUTLER" GUN NAILS (OR EQUAL) ARE ACCEPTABLE ALTERNATIVES.
502. ALTERNATE NAILING FOR ROOF SHEATHING:  
8D 2 1/2" X 0.135 WIRE BARBED NAILS BY CUTLER OR EQUAL.
503. ALTERNATE NAILING FOR FLOOR SHEATHING: #8 X 2" SELF SETTING WOOD SCREWS, OR 8D 2 1/2" X 0.135 OR 0.148 SCREW SHANK FLOOR NAILS BY CUTLER OR EQUAL
504. SHEAR PANELS WHERE 8D COMMON NAILS ARE SPECIFIED:  
10D 2 1/2" X 0.148" WIRE BARBED NAILS BY CUTLER OR EQUAL

NAIL SIZES				
SIZE OF NAIL	STANDARD LENGTH	WIRE GAUGE	SIZE (INCHES)	PENETRATION REQUIRED
6D	2"	12	0.099	1"
8D	2 1/2"	11	0.113	1"
10D	3"	10	0.128	1 1/4"
12D	3"	10	0.128	1 1/4"
16D	3 1/2"	10	0.135	1 1/4"
16D SINKER	3"	9	0.148	1 1/4"

BOX NAILS				
SIZE OF NAIL	STANDARD LENGTH	WIRE GAUGE	SIZE (INCHES)	PENETRATION REQUIRED
6D	2"	12	0.099	1"
8D	2 1/2"	11	0.113	1"
10D	3"	10	0.128	1 1/4"
12D	3"	10	0.128	1 1/4"
16D	3 1/2"	10	0.135	1 1/4"
16D SINKER	3"	9	0.148	1 1/4"

COMMON NAILS				
SIZE OF NAIL	STANDARD LENGTH	WIRE GAUGE	SIZE (INCHES)	PENETRATION REQUIRED
6D	2"	11	0.113	1"
8D	2 1/2"	10	0.131	1 1/4"
10D	3"	9	0.148	1 1/2"
12D	3"	9	0.148	1 1/2"
16D	3 1/2"	8	0.162	1 1/2"

## 6. NAILING SCHEDULE, MINIMUMS (CBC CHAPTER 23, TABLE 2304.10.2)

- BLKNG AT CEILING JOISTS, RAFTERS, OR TRUSSES TO TOP PLATE OR OTHER FRAMING, T.N.
- BLKNG AT CEILING RAFTERS OR TRUSSES NOT AT WALL TOP PLATE TO RAFTER OR TRUSS, T.N.
- BLKNG AT CEILING RAFTERS OR TRUSSES NOT AT WALL TOP PLATE TO RAFTER OR TRUSS, E.N.
- FLAT BLKNG TO TRUSS AND WEB, F.N.
- CEILING JOISTS TO TOP PLATE, T.N.
- CEILING JOISTS NOT ATTACHED TO PARALLEL RAFTER, LAPS OVER PARTITIONS, F.N. PER 2308.7.3.1
- CEILING JOISTS ATTACHED TO PARALLEL RAFTER (HEEL JOINT), F.N. PER 2308.7.3.1
- COLLAR TIE TO RAFTER, F.N.
- RAFTER/TRUSS TO TOP PLATE, T.N. PER TABLE 2308.7.3.5
- RAFTERS TO RIDGE VALLEY OR HIP, OR FATER TO 2" RIDGE BEAM
- TOENAIL  
ENDNAIL
- STUD TO STUD (NOT AT BRACED WALL PANELS)  
STUD TO STUD AT INTERSECTING WALL CORNERS (BRACED WALL)  
BUILT-UP HEADER (2" TO 2"), FN EA. EDGE
- CONT. HEADER TO STUD, T.N.  
TOP PLATE TO TOP PLATE
- TOP PLATE TO TOP PLATE, AT END JOINTS (EACH SIDE OF END JOINT), FACENAIL
- 24" MIN LAP SPLICE EA. SIDE  
BOTTOM PLATE TO JOIST, RIM, OR BLKG. FACENAIL
- UNBRACED WALL: 16" o.c. FN  
UNBRACED WALL: 12" o.c. FN  
BRACED WALL: 16" o.c. FN
- STUD TO TOP OR BOTTOM PLATE
- TOENAIL  
ENDNAIL
- TOP PLATES, LAPS AT CORNERS AND INTERSECTION, F.N.  
1" BRACE TO EACH STUD AND PLATE, F.N.  
1"x6" SHEATHING TO EACH BEARING, F.N.  
1"x8" SHEATHING AND WIDER TO EACH BEARING, F.N.  
JOIST TO SILL, TOP PLATE, OR GIRDER, T.N.  
RIM JOIST, BAND JOIST, OR BLOCKING TO TOP PLATE, SILL OR OTHER  
1"x6" SUBFLOOR OR LESS TO EACH JOIST, F.N.  
2" SUBFLOOR TO JOIST OR GIRDER, F.N. OR BLIND  
2" PLANKS (PLANK & BEAM - FLOOR & ROOF), FACENAIL & EACH BEARING  
BUILT-UP GIRDERS AND BEAMS, 2" LUMBER LAYERS
- 32" o.c. FN Top & BTM STAGGERED ON OPPOSITE SIDES  
24" o.c. FN Top & BTM  
ENDS & SPLICES, FN
- LEDGER SUPPORTING JOISTS/RAFTERS  
JOIST TO BAND OR RIM JOIST, END NAIL  
BRIDGING OR BLOCKING TO JOIST, RAFTER OR TRUSS EACH END, T.N.
- | WOOD STRUCT. PANELS, SUBFLOOR, ROOF AND INTERIOR WALL SHING TO FRMG AND PARTICLEBOARD WALL SHEATHING TO FRAMING | EDGES (N) | INTERMEDIATE SUPPORTS (IN) |
|---|-----------|----------------------------|
| 16d Com or deformed; or 2 1/2" x.113" nail (subfloor a&d wall)  | 6         | 12                         |
| 8d Com or deformed (roof) or 2 1/2" x.113" nail (roof)  | 6         | 6                          |
| 1 1/2" 16 Ga Staple, 1/8" crown (subfloor and wall)   | 4         | 8                          |
| 2 1/2" x.113"x.266" head nail (roof)  | 3         | 3                          |
| 1 1/2" 16 Ga Staple, 1/8" crown (roof)  | 3         | 3                          |
| 8d Com or deformed (subfloor and wall)  | 6         | 12                         |
| 8d Com or deformed (roof) or 2 1/2" x.113" nail (roof) <sup>d</sup>   | 6         | 6                          |
| 2 1/2" x.113"x.266" head nail, 2" 16 Gauge staple, 1/8" crown   | 4         | 8                          |
| 10d Com or (3"x0.148"); or deformed (2 1/2" x.131"x.281 head)   | 6         | 12                         |
- OTHER EXTERIOR WALL SHEATHING (FIBERBOARD)
- |   |   |   |
|---|---|---|
| 1 1/2" x.120", galvanized roofing nail (1/8" head dia) or 1 1/2" 16 Ga Staple w/ 1/8" or 1" crown | 3 | 6 |
| 1 1/2" x.120", galvanized roofing nail (1/8" head dia) or 1 1/2" 16 Ga Staple w/ 1/8" or 1" crown | 3 | 6 |
- WOOD STRUCTURAL PANELS, COMBINATION SUBFLOOR UNDERLAYMENT TO FRAMING
- |                 |  |   |    |
|-----------------|--|---|----|
| 3/4" & LESS     | 8d COMMON (2 1/2" x.131"); or deformed (2"x0.113"); or deformed (2"x0.120")      | 6 | 12 |
| 5/8" - 1"       | 8d COMMON (2 1/2" x.131"); or deformed (2"x0.113"); or deformed (2"x0.120")      | 6 | 12 |
| 1 1/2" - 1 3/4" | 10d COMMON (3"x0.148"); or deformed (2 1/2" x.131"); or deformed (2 1/2" x.120") | 6 | 12 |
- PANEL SIDING TO FRAMING
- |             |   |   |    |
|-------------|---|---|----|
| 3/8" & LESS | 6d corrosion-resistant siding (1 1/2" x.106"); or 6d corrosion-resistant (2"x.099")             | 6 | 12 |
| 5/8"        | 8d corrosion-resistant siding (2 1/2" x.128"); or 8d corrosion-resistant casing (2 1/2" x.113") | 6 | 12 |
- INTERIOR PANELING
- |      |  |   |    |
|------|--|---|----|
| 1"   | 4d casing (1 1/2" x.080"); or 4d finish (1 1/2" x.072")                        | 6 | 12 |
| 3/8" | 6d casing (2"x0.099"); or 6d finish (2"x.092") - (Panel supports at 24 inches) | 6 | 12 |

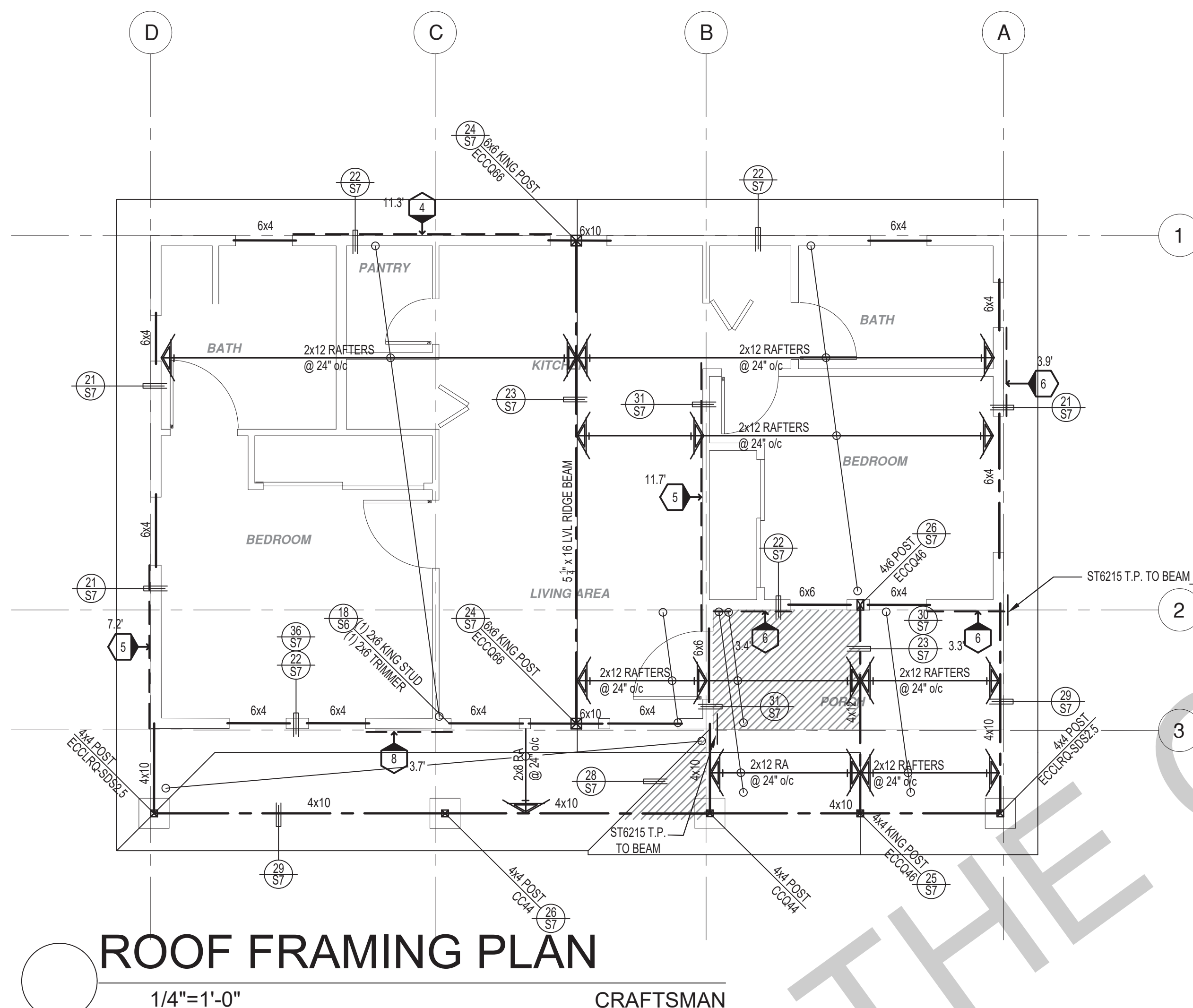
## 7. DESIGN CRITERIA

700. BUILDING CODE: 2022 CALIFORNIA BUILDING CODE AND 2022 CALIFORNIA RESIDENTIAL CODE.
701. SEISMIC DESIGN CRITERIA:  
SOIL BEARING VALUE 1,500 psf  
SITE CLASS D (Default)  
SEISMIC DESIGN CATEGORY II  
RISK CATEGORY D  
SEISMIC IMPORTANCE FACTOR 1  
Ss 1.5  
S1 0.600
- BASIC SEISMIC FORCE RESISTING SYSTEM: BEARING WALL ANALYSIS  
METHOD: EQUIVALENT LATERAL FORCE PROCEDURE SEE STRUCTURAL CALCULATIONS FOR SD1, SDS, DESIGN BASE SHEAR, Cs, & R FACTORS.
702. WIND DESIGN CRITERIA :  
WIND SPEED (V-wt) 117 mph  
RISK CATEGORY II  
EXPOSURE C  
INTERNAL PRESSURE COEF 0.18  
EXTERIOR CLADDING (0.6W) 13 psf
703. DESIGN LOADS CRAFTSMAN WTS USED FOR GRAVITY AND SEISMIC DESIGN:  
VAULTED ROOF DL 21 psf | PORCH DL 34 psf  
ROOF w/ CEILING DL 27 psf | PORCH LL 20 psf  
ROOF LL 20 psf | TRELIS DL 6 psf  
TRELIS LL 10 psf

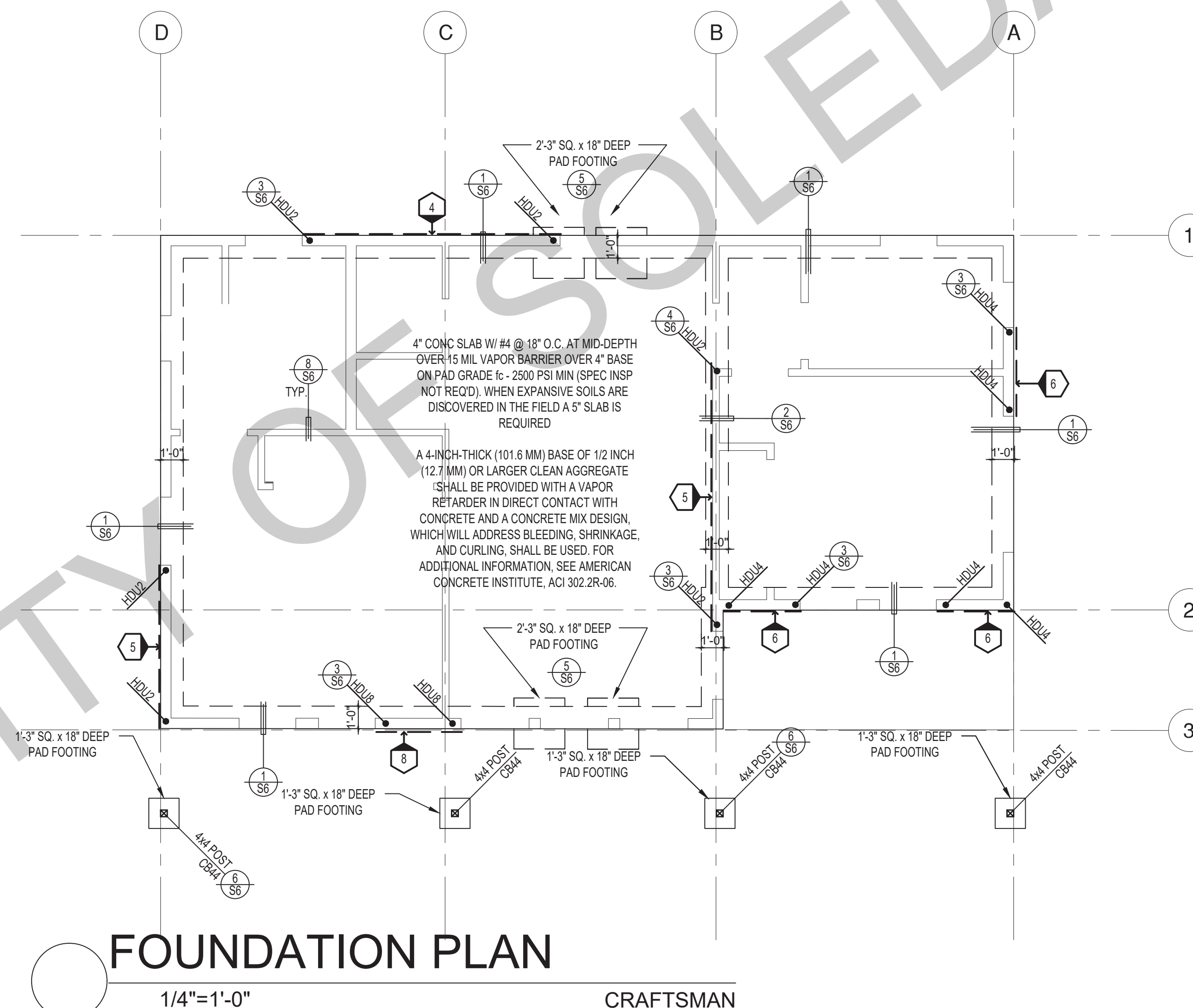
- 4-8d Box, 3-8d Com, 3-10d box, 3-3" x 0.131" nails, 3-3" 14 gage staples
- 2-8d Com, 2-3" x 0.131" nails, 2-3" 14 gage staples
- 2-16d Com, 3-3" x 0.131" nails, 3-3" 14 gage staples
- 16d Com, 3"x.131" nails, 3"x14 gage staples @ 6" o.c
- 4-8d box, 3-8d Com, 3-10d box, 3-3"x.131 nails, 3-3" 14 gage staples
- 3-16d Com, 4-10d box, 4-3" x 0.131" nails, 4-3" 14 gage staples
- 3-16d Com, 4-10d box, 4-3" x 0.131" nails, 4-3" 14 gage staples
- 3-10d Com, 4-10d box, 4-3"x0.131" nails, 4-3" 14 gage staples
- 3-10d Com, 3-16d or 4-10d box, 4-3" x 0.131" nails, 4-3" 14 gage staples
- 4-16d box, 3-10d Com, 3-16d or 4-10d box, 4-3" x 0.131" nails, 4-3" 14 gage staples
- 2-16d Com, 3-16d box, 3-10d box, 3-3" x 0.131" nails, 3-3" 14 gage staples
- 16d Com @ 24" o.c. FN OR 2-10d box, 3" x 0.131" nails, 3-3" 14 gage staples @ 16" o.c. FN
- 16d Com @ 16" o.c. FN OR 16d Box, 3" x 0.131" nails, 3" 14 gage staples @ 12" o.c. FN
- 16d Com @ 16" o.c. OR 16d Box @ 12" o.c.
- 4-8d Com, 4-10d Box, 5-8d box
- 16d Com @ 16" o.c. FN OR 10d Box, 3" x 0.131" nails, 3" 14 gage staples @ 12 o.c. FN
- 8-16d Com, 12-16d Box, 12-10d Box, 12-3" x 0.131" nails, 12-3" 14 gage staples
- 16d Com
- 16d Box, 3" x 0.131" nails, 3" 14 gage staples
- 2-16d Com, 3-16d Box, 4-3"x.131" nails, 4-3" 14 gage staples
- 4-8d Box, 4x10d Box, 4-8d Com, 3-16d Box, 4-3"x0.131" nails, 4-3" 14 gage staples
- 3-16d Box, 2-16d Com, 3-10d Box, 3-3"x 0.131" nails, 3-3" 14 gage staples
- 3-8d Box, 2-8d Com, 2-10d Box, 2-3" x 0.131" nails, 2-3" 14 gage staples
- 3-8d Box, 2-1.75" 16 Gage staples, 2-8d Com, 2-10d Box
- 4-8d box, 4-1.75" 16 Gage staples, 3-8d Com, 3-10d Box
- 4-8d box, 3-8d Com, 3-10d Box, 3-3" x 0.131" nails, 3-3" 14 gage staples
- 8d Box @ 4" o.c. TN OR 8d Com, 10d Box, 3" x 0.131" nails, 3" 14 gage staples @ 6" o.c. TN
- 2-1.75" Gage Staples, 2-8d Com, 3-10d Box
- 3-16d Box, 2-16d Com
- 3-16d Box, 2-10d box, 2-3" x 0.131" nails, 2-3" 14 gage staples
- 20d Com
- 10d Box, 3"x0.131" nails, 3" 14 gage staples
- 2-20d Com, 3-10d Box, 3-3"x0.131" nails, 3-3" 14 gage staples
- 4-16d Box, 3-16d Com, 4-10d Box, 4-3"x0.131, 4-3" 14ga. STAPLES
- 3-16d Com, 4-10d Box, 4-3"x0.131

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



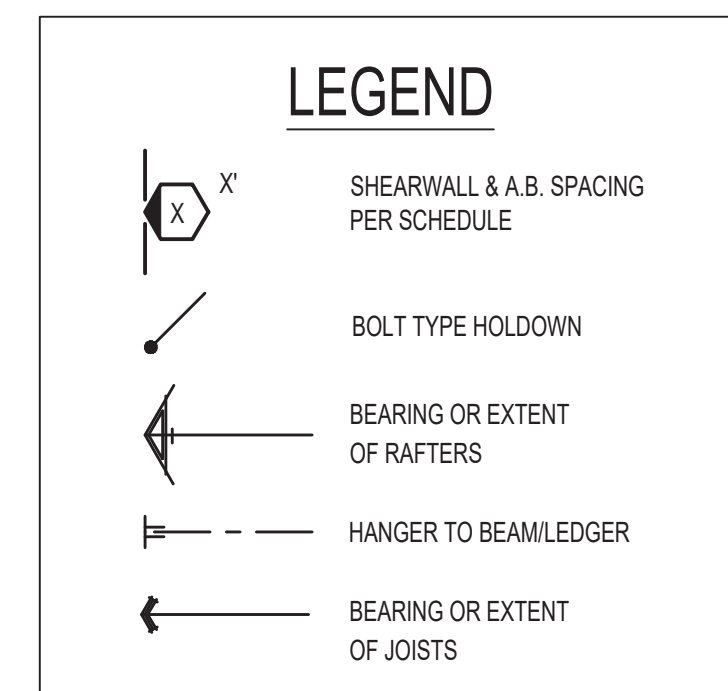
FOUNDATION PLAN  
1/4"=1'-0"

SHEAR WALL SCHEDULE (ASD VALUES)

**FOUNDATION NOTES**

1. ALL ANCHOR BOLTS, HOLDOWN ANCHORS, & REINF. MUST BE SECURELY TIED IN PLACE PRIOR TO FDTN. INSP.
2. ALL EXTERIOR STUDS TO BE 2x6 @ 16" O.C.
3. THE MINIMUM NOMINAL ANCHOR BOLT DIAMETER SHALL BE 1/2 INCH NOTE: THIS WILL REQUIRE A MINIMUM DISTANCE FROM THE ENDS OF SILL PLATES TO BE 4" (AND A MAXIMUM OF 12")
4. PLATE WASHERS (MINIMUM SIZE OF 3" x 3" x 1/4") SHALL BE USED ON EACH ANCHOR BOLT.
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7. POSTS W/O SPECIFIED BASE SHALL BE NAILED TO BOLTED SILL PLATES W/ (2) 16d T.N. EA. SIDE, TYP.
8. FOOTINGS ADJACENT TO SLOPES GREATER THAN OR EQUAL TO 33.3% SHALL COMPLY WITH SETBACK REQUIREMENTS DEFINED IN CBC 1808.7.

	4	5	6	7	8	9
SHEARWALL DESCRIPTION (See footnotes 1 & 4)	3/8" ply, C-D or C-C sheathing, (1) side w/ 8d @ 6" o/c edge, 12" o/c field, blocked (See footnote 3)	3/8" ply, C-D or C-C sheathing, (1) side w/ 8d @ 4 1/2" o/c edge, 12" o/c field, blocked (See footnote 3)	3/8" ply, C-D or C-C sheathing, (1) side w/ 8d @ 3" o/c edge, 12" o/c field 3x abutting panel studs blocked (See footnote 3 & 4)	3/8" rated STRUCT 1 panel, (1) side w/ 8d @ 3" o/c edge, 12" o/c field 3x abutting panel studs blocked (See footnote 3 & 4)	1/2" rated STRUCT 1 panel, (1) side w/ 10d @ 3" o/c edge, 12" o/c field 3x abutting panel studs blocked (See footnote 3, 4, & 5)	1 1/2" rated STRUCT 1 panel, (1) side w/ 10d @ 2" o/c edge, 12" o/c field 3x abutting panel studs blocked (See footnote 3, 4, & 5)
SHEAR VALUE (PLF)	260*	350*	490*	550*	665*	870*
ANCHOR BOLT SPACING	3/4" @ 48" or 1/2" @ 32"	3/8" @ 32" or 1/2" @ 24"	3/8" @ 24" or 1/2" @ 16"	3/8" @ 24" or 1/2" @ 16"	3/8" @ 16" or 1/2" @ 24"	3/8" @ 12" or 1/2" @ 8"
16d (0.148") SILL NAILING	6"	4 1/2"	3 1/2"	3"	1/2" x 4 1/2" SDS screws @ 8"	1/2" x 4 1/2" SDS screws @ 8"
SPACING OF A35LTP4 FRAMING TO TOP PLATE	32" O.C.	18" O.C.	12" O.C.	12" O.C.	8" O.C.	8" O.C.



\* PLEASE REFER TO NOTES 311 & 401 FOR LUMBER GRADE SPECIFICATIONS.

SHEAR WALL FOOTNOTES

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- (\*) ALLOWABLE SHEAR VALUES FOR PLYWOOD SHEARWALLS MAY BE INCREASED BY 40% UNDER WIND LOADING.

project  
City of Soledad  
Pre-Approved ADU  
Plans

revisions

description  
**Foundation & Framing Craftsman**

date 02-08-2023

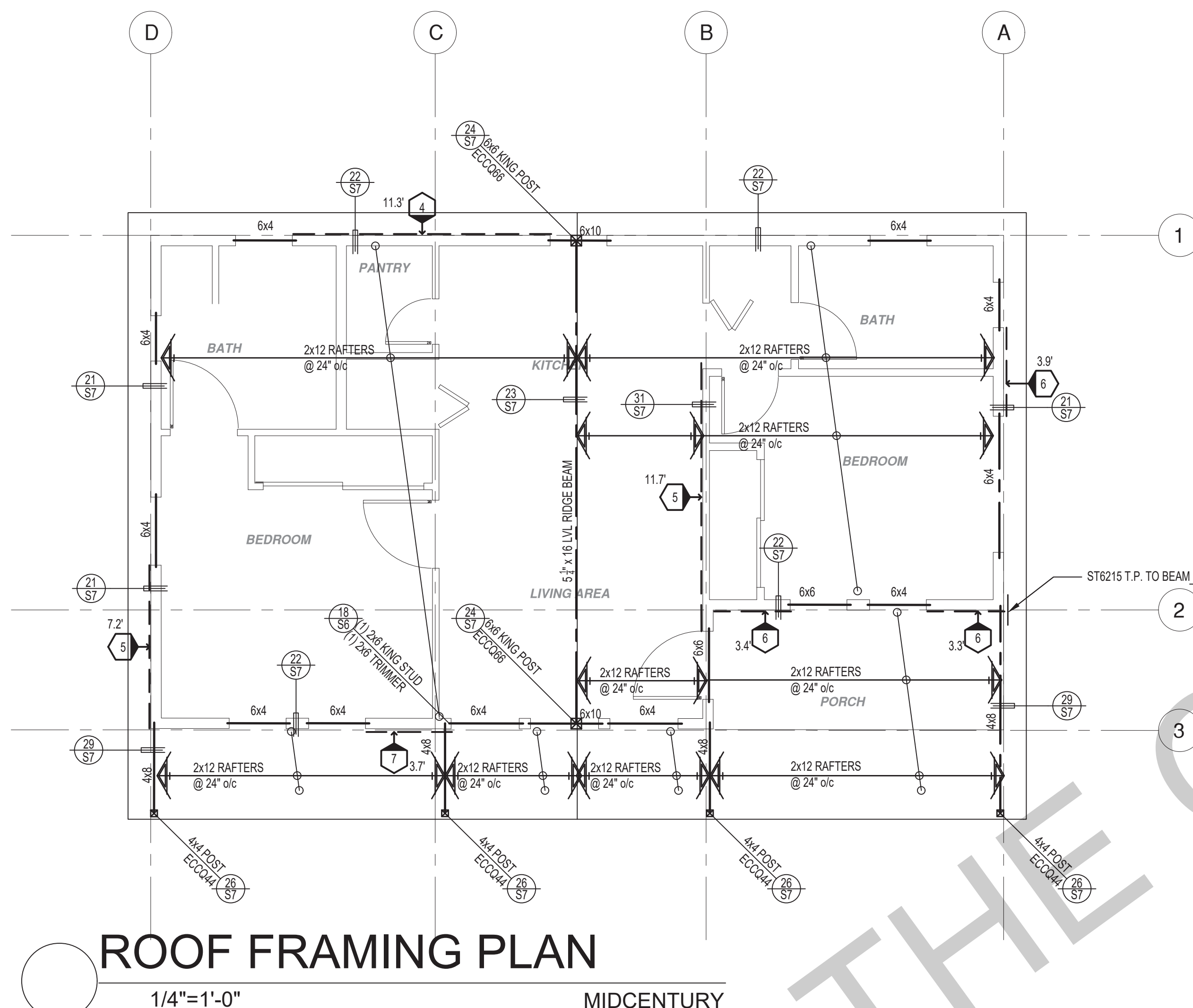
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sheet no. **S2**

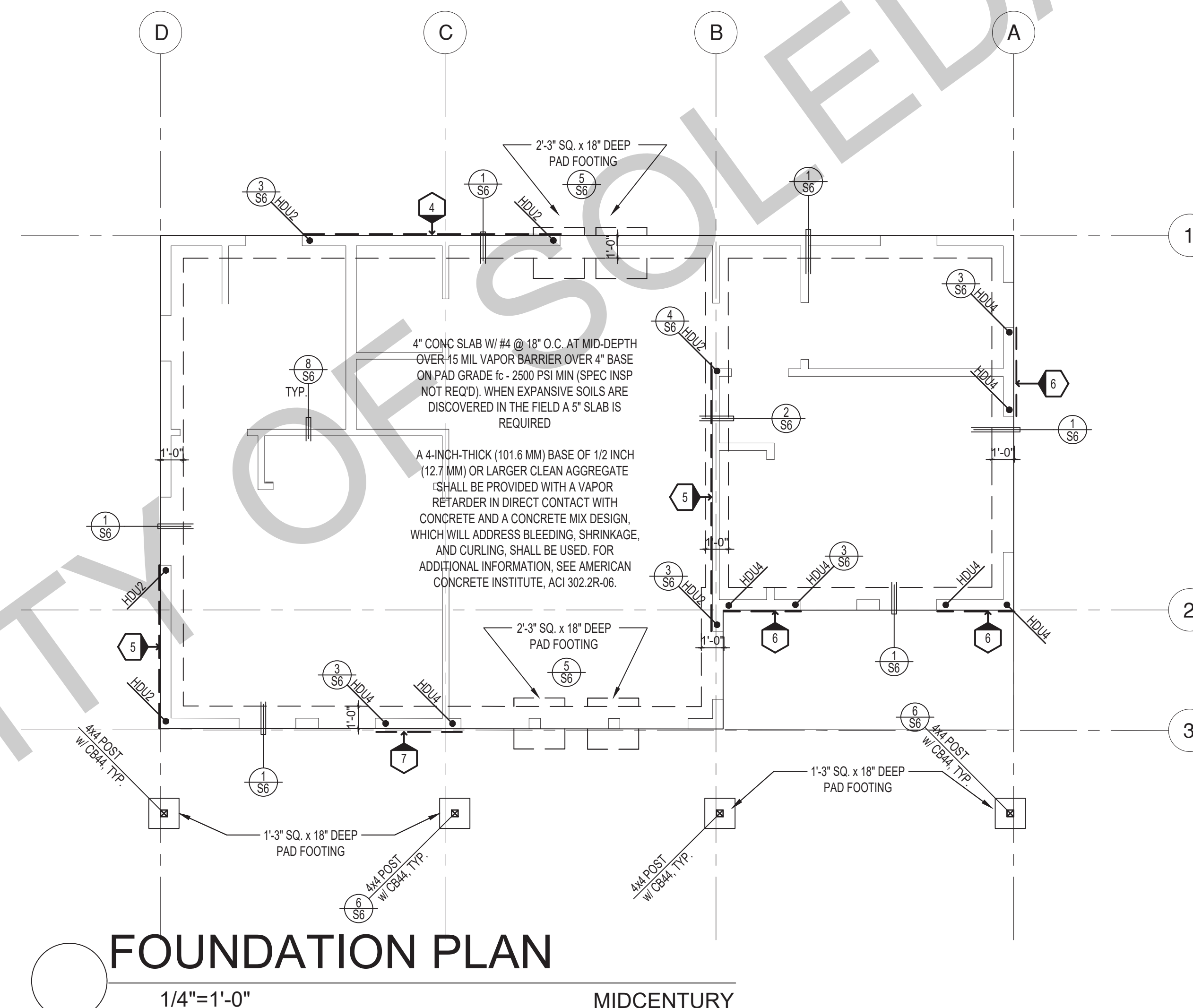
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ROOF FRAMING PLAN

1/4"=1'-0" MIDCENTURY



FOUNDATION PLAN

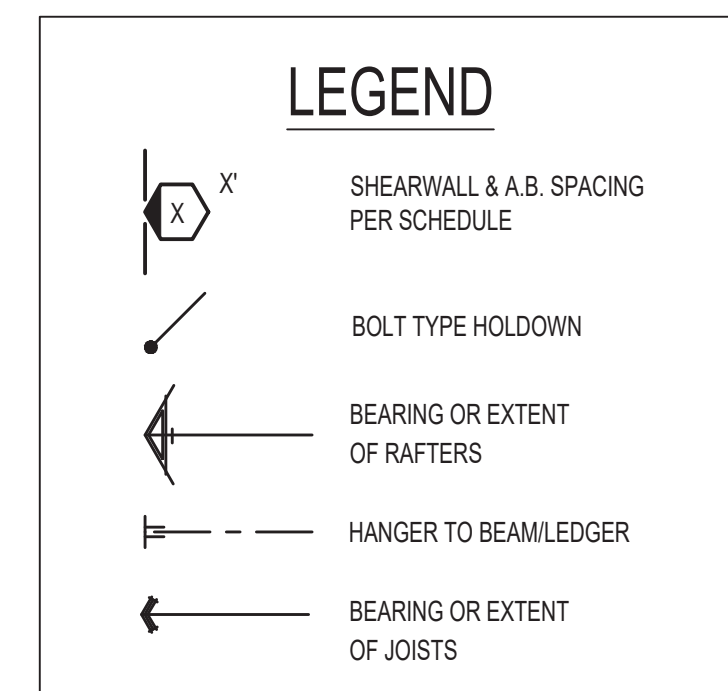
1/4"=1'-0" MIDCENTURY

SHEAR WALL SCHEDULE (ASD VALUES)

**FOUNDATION NOTES**

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4. PLATE WASHERS (MINIMUM SIZE OF 3" x 3" x 1/4") SHALL BE USED ON EACH ANCHOR BOLT.
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	4	5	6	7	8	9
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SHEAR VALUE (PLF)	260*	350*	490*	550*	665*	870*
ANCHOR BOLT SPACING	3/4" @ 48" or 1/2" @ 32"	3/8" @ 32" or 1/2" @ 24"	3/8" @ 24" or 1/2" @ 16"	3/8" @ 24" or 1/2" @ 16"	3/8" @ 16" or 1/2" @ 24"	3/8" @ 12" or 1/2" @ 8"
16d (0.148") SILL NAILING	6"	4 1/2"	3 1/2"	3"	1/2" x 4 1/2" SDS screws @ 8"	1/2" x 4 1/2" SDS screws @ 8"
SPACING OF A35LTP4 FRAMING TO TOP PLATE	32" O.C.	18" O.C.	12" O.C.	12" O.C.	8" O.C.	8" O.C.



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SHEAR WALL FOOTNOTES

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project  
City of Soledad  
Pre-Approved ADU  
Plans

revisions

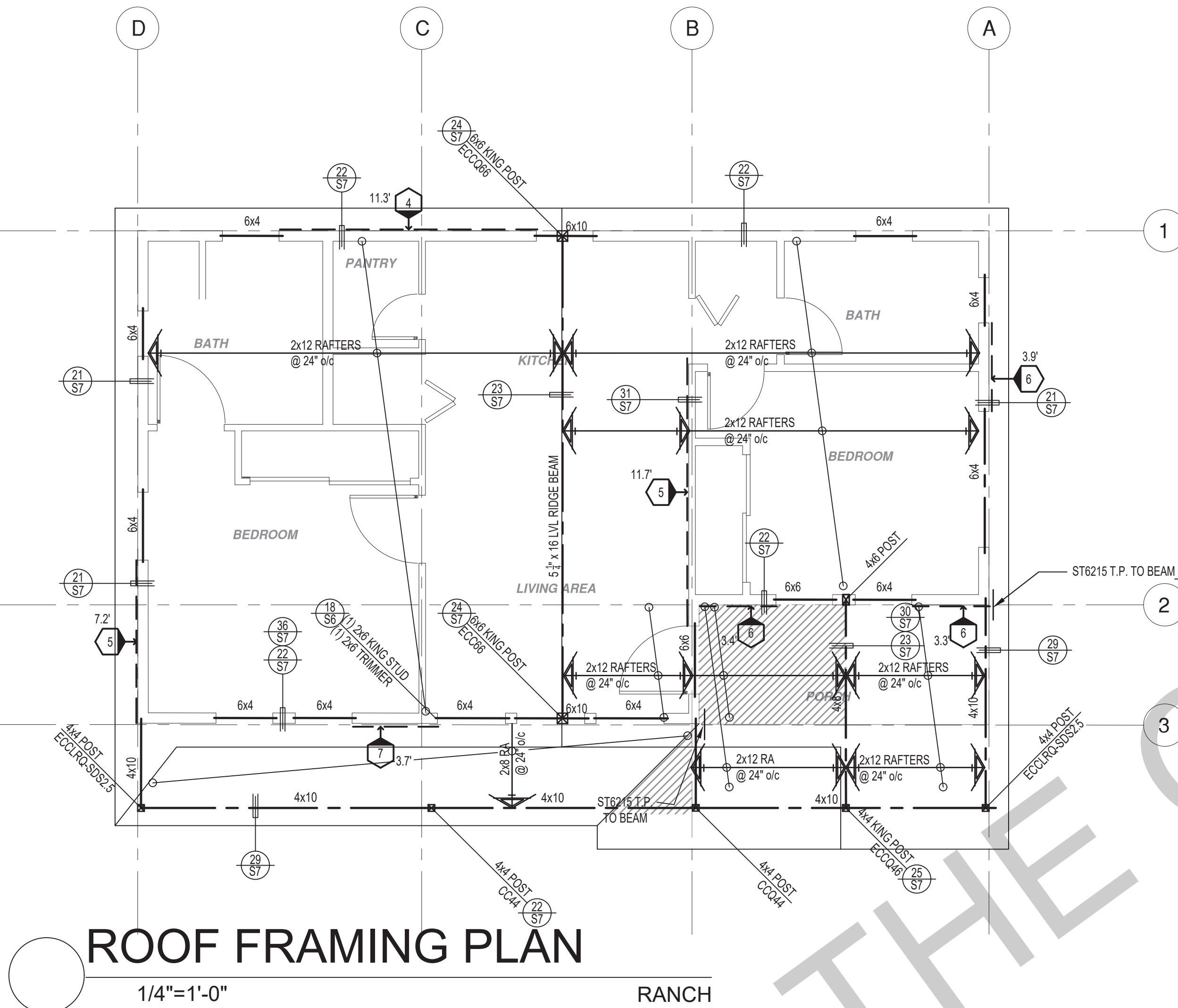
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Midcentury**

date 02-08-2023

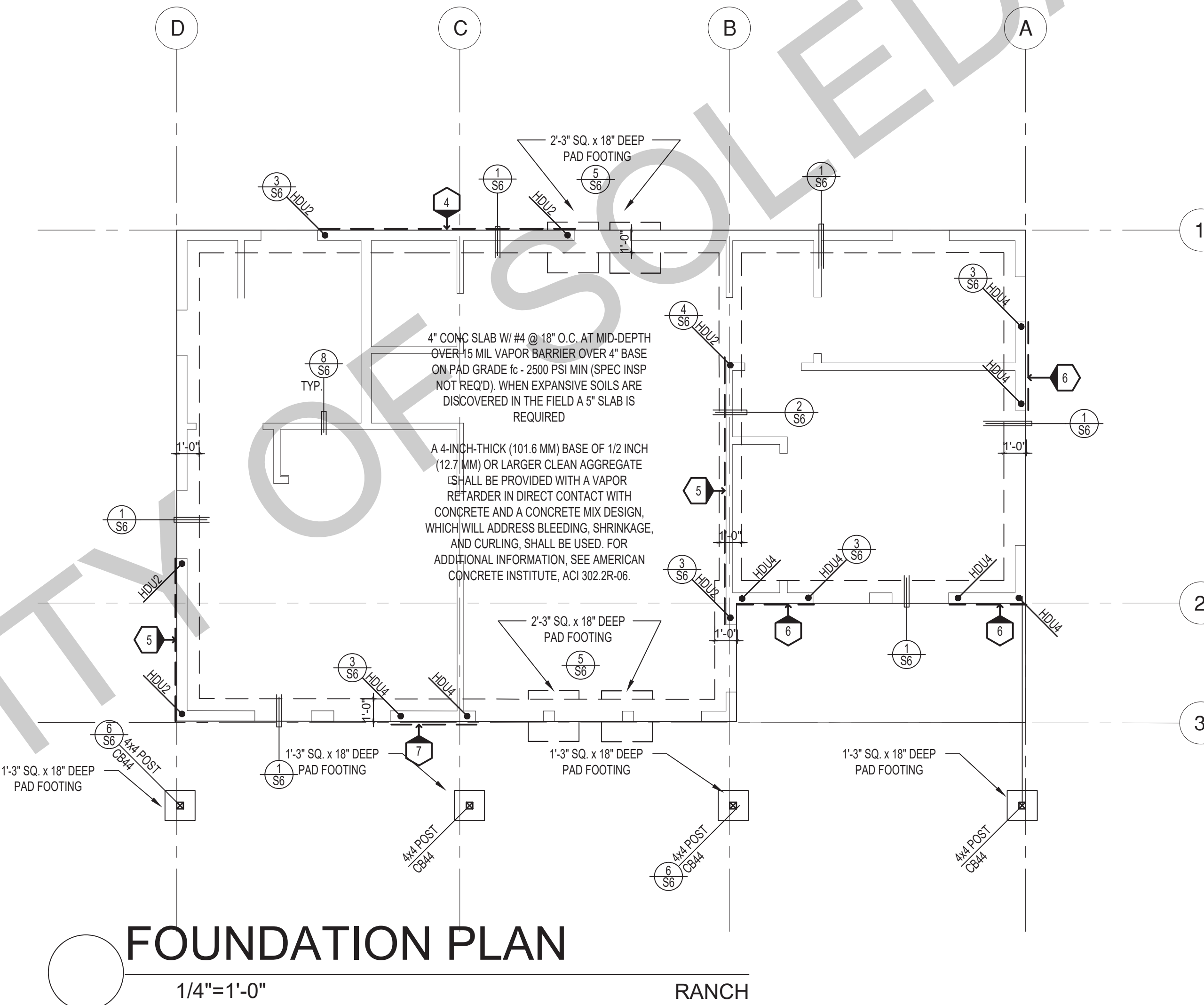
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drawn by

sheet no. **S3**



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



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

SHEAR WALL SCHEDULE (ASD VALUES)

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**LEGEND**

- X" SHEARWALL & A.B. SPACING PER SCHEDULE
- BOLT TYPE HOLDOWN
- BEARING OR EXTENT OF RAFTERS
- HANGER TO BEAM/LEDGER
- BEARING OR EXTENT OF JOISTS

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project  
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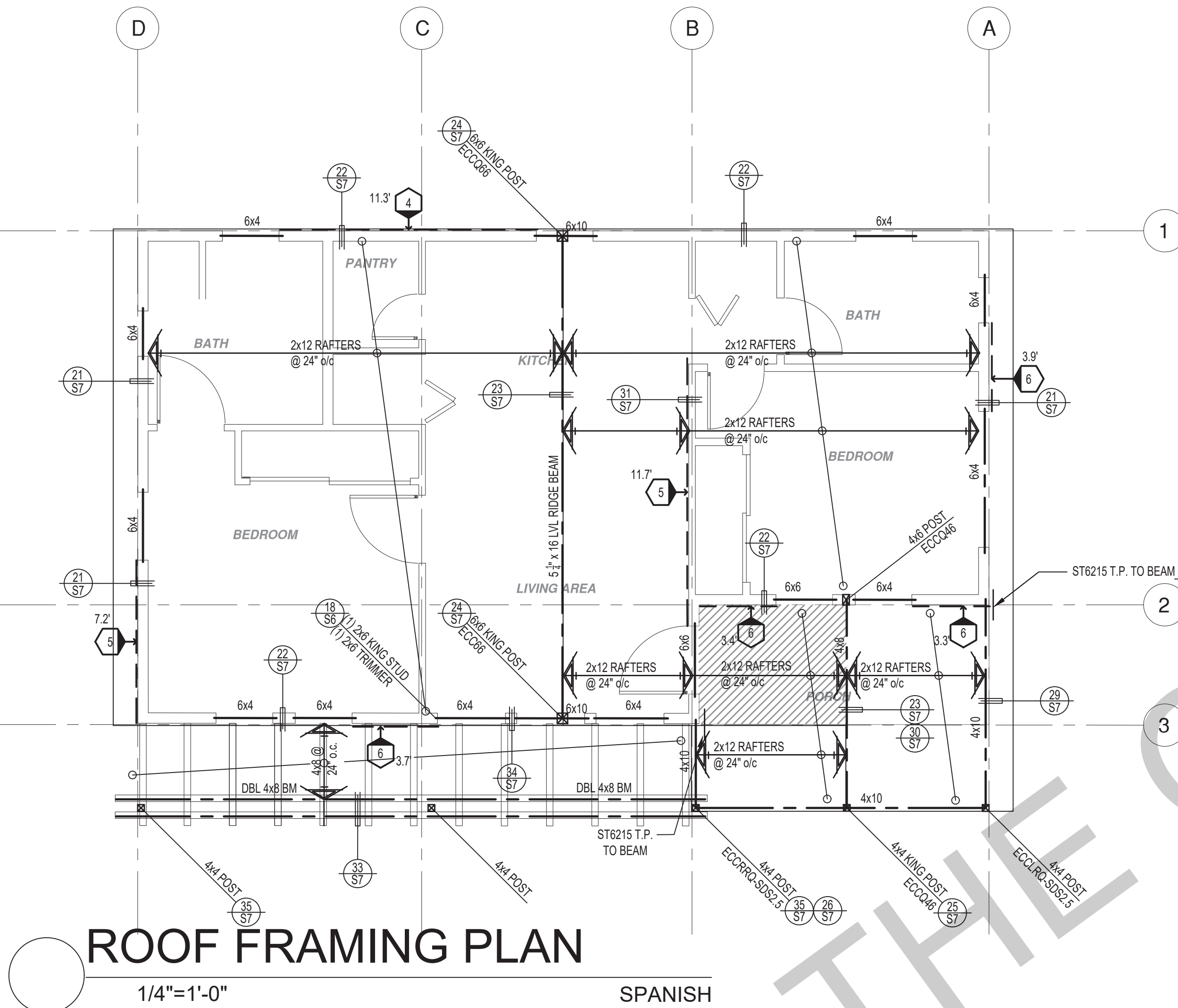
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date 02-08-2023

project no.

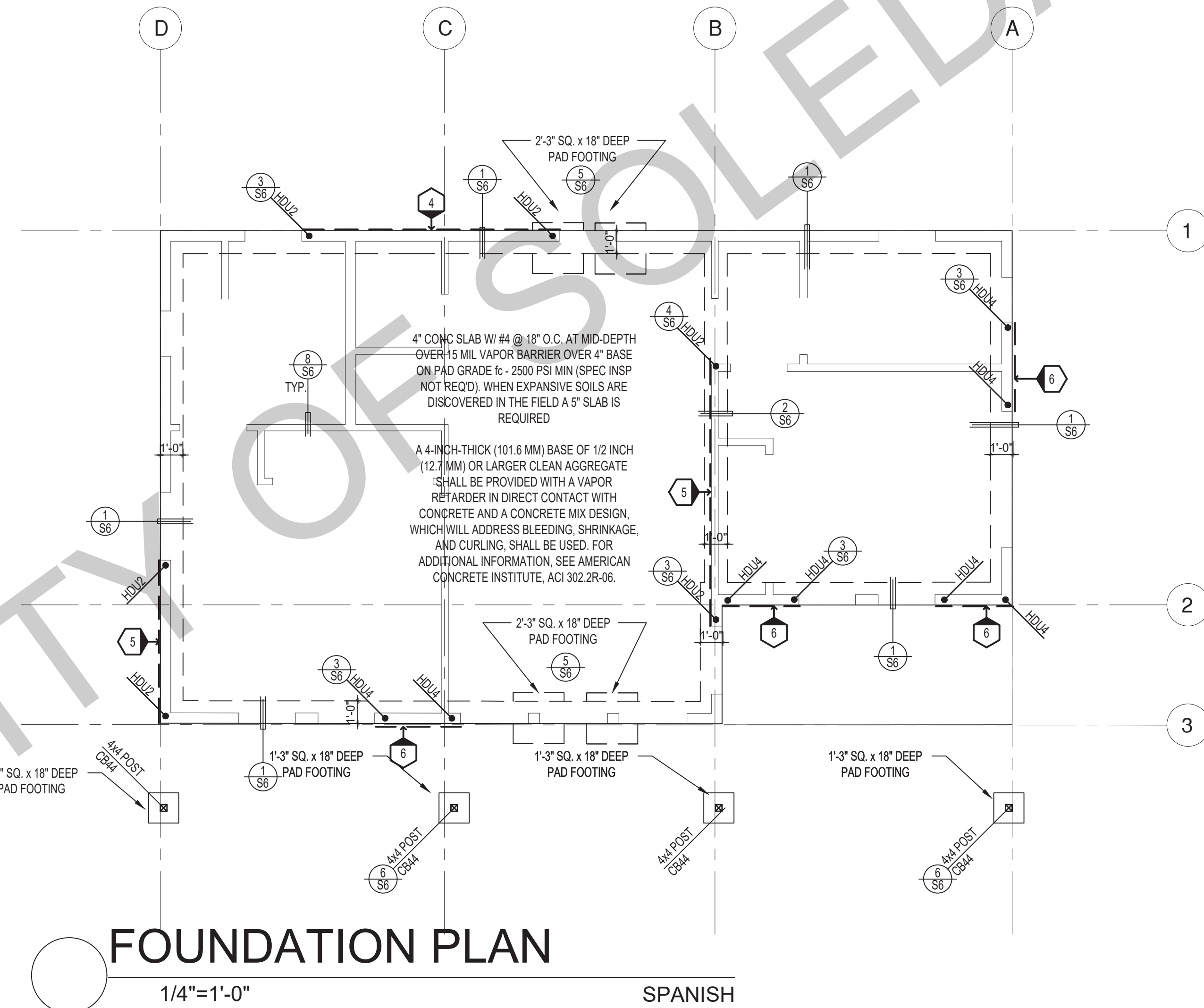
drawn by

sheet no. **S4**



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

SPANISH



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

SPANISH

SHEAR WALL SCHEDULE (ASD VALUES)

**FOUNDATION NOTES**

- ALL ANCHOR BOLTS, HOLDOWN ANCHORS, & REINF. MUST BE SECURELY TIED IN PLACE PRIOR TO FDTN. INSP.
- ALL EXTERIOR STUDS TO BE 2x6 @ 16" O.C.
- THE MINIMUM NOMINAL ANCHOR BOLT DIAMETER SHALL BE 1/2 INCH NOTE: THIS WILL REQUIRE A MINIMUM DISTANCE FROM THE ENDS OF SILL PLATES TO BE 4" (AND A MAXIMUM OF 12")
- PLATE WASHERS (MINIMUM SIZE OF 3" x 3" x 1/4") SHALL BE USED ON EACH ANCHOR BOLT.
- PROVIDE CONC SLAB JOINTS AT NO MORE THAN 15 FT EA. WAY
- SEE SHT S6 FOR TYP. CONCRETE & SLAB DETAILS 1-8
- POSTS W/O SPECIFIED BASE SHALL BE NAILED TO BOLTED SILL PLATES W/ (2) 16d T.N. EA. SIDE, TYP.
- FOOTINGS ADJACENT TO SLOPES GREATER THAN OR EQUAL TO 33.3% SHALL COMPLY WITH SETBACK REQUIREMENTS DEFINED IN CBC 1808.7.

	4	5	6	7	8	9
SHEARWALL DESCRIPTION (See footnotes 1 & 4)	3/8" ply, C-D or C-C sheathing, (1) side w/ 8d @ 6" o/c edge, 12" o/c field, blocked (See footnote 3)	3/8" ply, C-D or C-C sheathing, (1) side w/ 8d @ 4 1/2" o/c edge, 12" o/c field, blocked (See footnote 3)	3/8" ply, C-D or C-C sheathing, (1) side w/ 8d @ 3" o/c edge, 12" o/c field 3x abutting panel studs blocked (See footnote 3 & 4)	3/8" rated STRUCT 1 panel, (1) side w/ 8d @ 3" o/c edge, 12" o/c field 3x abutting panel studs blocked (See footnote 3 & 4)	3/8" rated STRUCT 1 panel, (1) side w/ 10d @ 3" o/c edge, 12" o/c field 3x abutting panel studs blocked (See footnote 3, 4, & 5)	3/8" rated STRUCT 1 panel, (1) side w/ 10d @ 2" o/c edge, 12" o/c field 3x abutting panel studs blocked (See footnote 3, 4, & 5)
SHEAR VALUE (PLF)	260*	350*	490*	550*	665*	870*
ANCHOR BOLT SPACING	3/4" @ 48" or 1/2" @ 32"	3/8" @ 32" or 1/2" @ 24"	3/8" @ 24" or 1/2" @ 16"	3/8" @ 24" or 1/2" @ 16"	3/8" @ 16" or 1/2" @ 24"	3/8" @ 12" or 1/2" @ 8"
16d (0.148") SILL NAILING	6"	4 1/2"	3 1/2"	3"	2 1/2" x 4 1/2" SDS screws @ 8"	2 1/2" x 4 1/2" SDS screws @ 8"
SPACING OF A35LTP4 FRAMING TO TOP PLATE	32" O.C.	18" O.C.	12" O.C.	12" O.C.	8" O.C.	8" O.C.

SHEAR WALL FOOTNOTES

- AT PLYWOOD OR OSB PS-1 OR PS-2 RATED PANELS USE COMMON NAILS OR GALVANIZED BOX NAILS (2) LAYERS OF PAPER EXTERIOR PLYWOOD REQUIRED. SHEARWALLS SHALL BE APPLIED OVER STUDS @ 16" O/C. GALVANIZED NAILS SHALL NOT BE HOT-DIPPED OR TUMBLED.
- SILL PLATES & WASHERS SHALL COMPLY WITH THE CONCRETE FOUNDATION CONSTRUCTION AND WOOD FRAMING CONSTRUCTION NOTES. (SEE NOTES #206, 208, 209, 307, 308, 309, ETC.)
- IN PLYWOOD SHEARWALLS, THE EDGE OF THE 3" SQUARE WASHERS (SEE NOTE #206) SHALL BE 1/2" OR LESS FROM THE EDGE OF THE SILL PLATE ON THE SIDE OF THE SHEATHING. ALL NAILING SHALL BE 3/8" MIN. FROM THE EDGE OF SHEATHING.
- WHERE ALLOWABLE SHEAR VALUES EXCEED 350 PLF (SHEARWALL TYPES 6, 7, 8, & 9) ALL FRAMING RECEIVING NAILING FROM ABUTTING PANEL EDGES SHALL NOT BE LESS THAN A SINGLE 3" NOMINAL MEMBER OR (2) 2X MEMBERS NAILED WITH 10D, SPACING EQUAL TO THE E.N. SPACING. PLYWOOD JOINT AND SILL NAILING SHALL BE STAGGERED.
- IN SHEARWALL TYPES 8 & 9, SILL PLATE NAILING SHALL BE STAGGERED. AT SECOND FLOOR CONDITIONS, PROVIDE ADEQUATE RIM OR BLOCKING TO PREVENT SPLITTING.
- ALLOWABLE SHEAR VALUES FOR PLYWOOD SHEARWALLS MAY BE INCREASED BY 40% UNDER WIND LOADING.

**LEGEND**

- X SHEARWALL & A.B. SPACING PER SCHEDULE
- BOLT TYPE HOLDOWN
- BEARING OR EXTENT OF RAFTERS
- HANGER TO BEAM/LEDGER
- BEARING OR EXTENT OF JOISTS

\* PLEASE REFER TO NOTES 311 & 401 FOR LUMBER GRADE SPECIFICATIONS.

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project  
City of Soledad  
Pre-Approved ADU  
Plans

revisions  
description  
Foundation  
& Framing  
Spanish

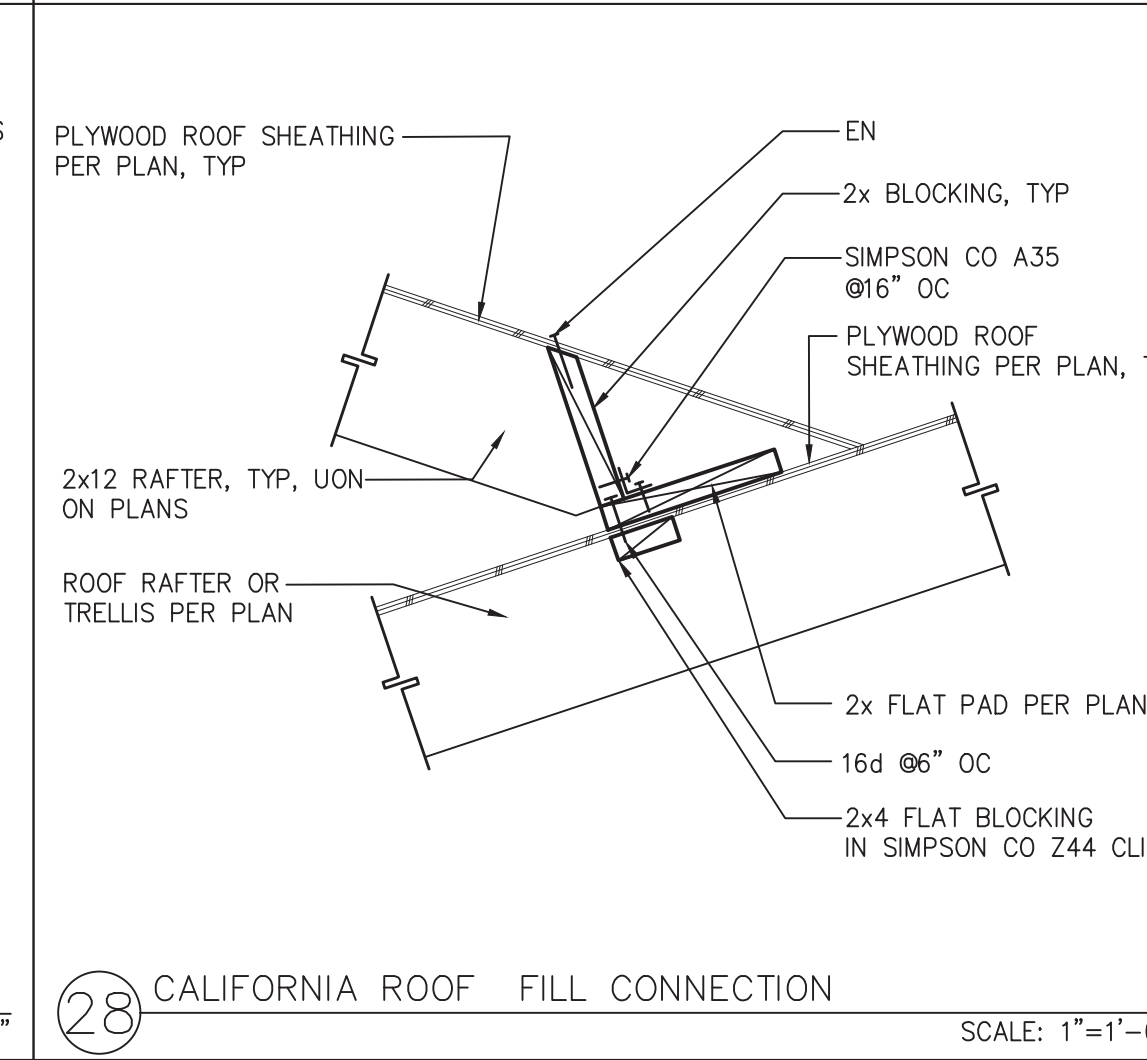
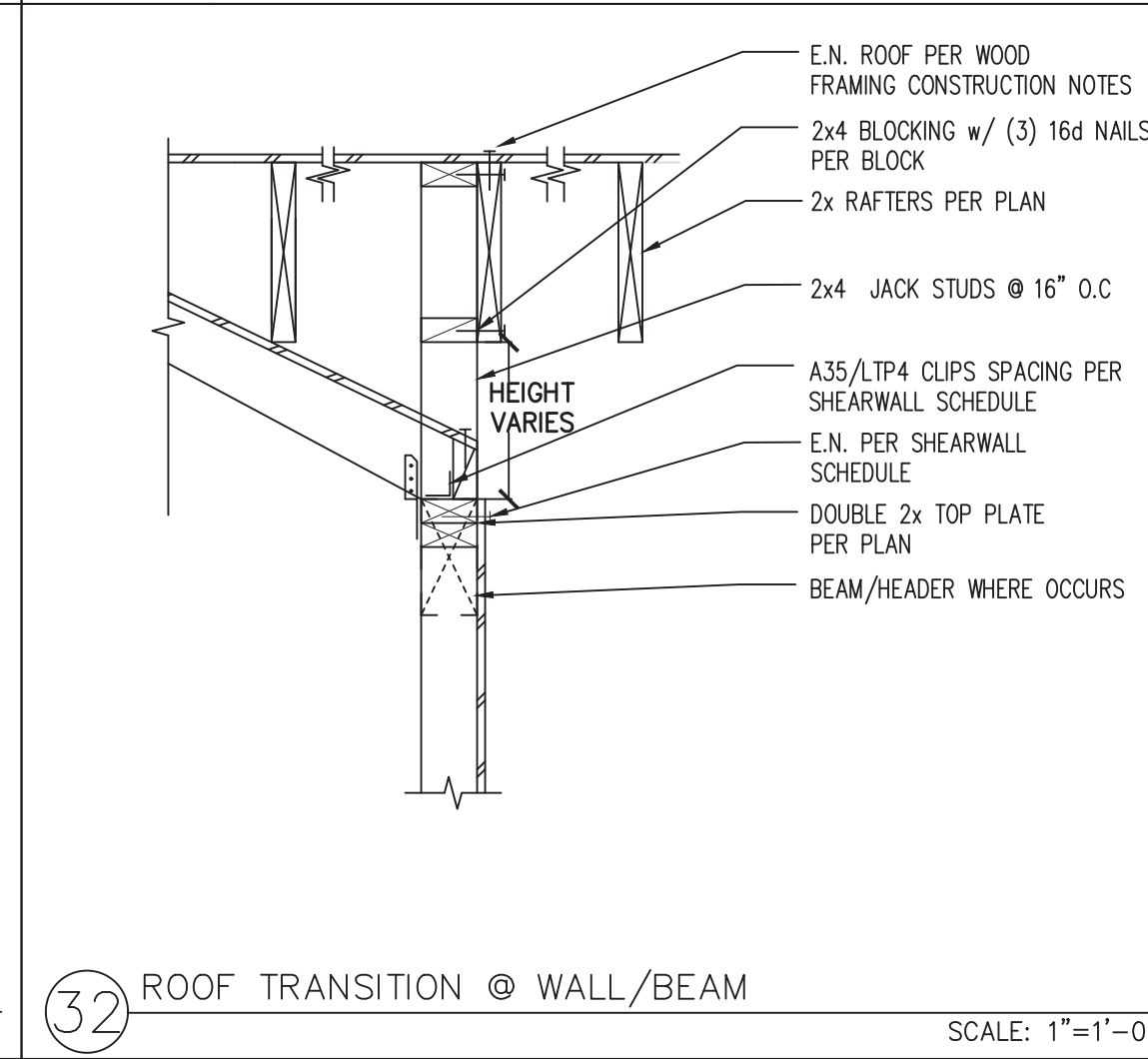
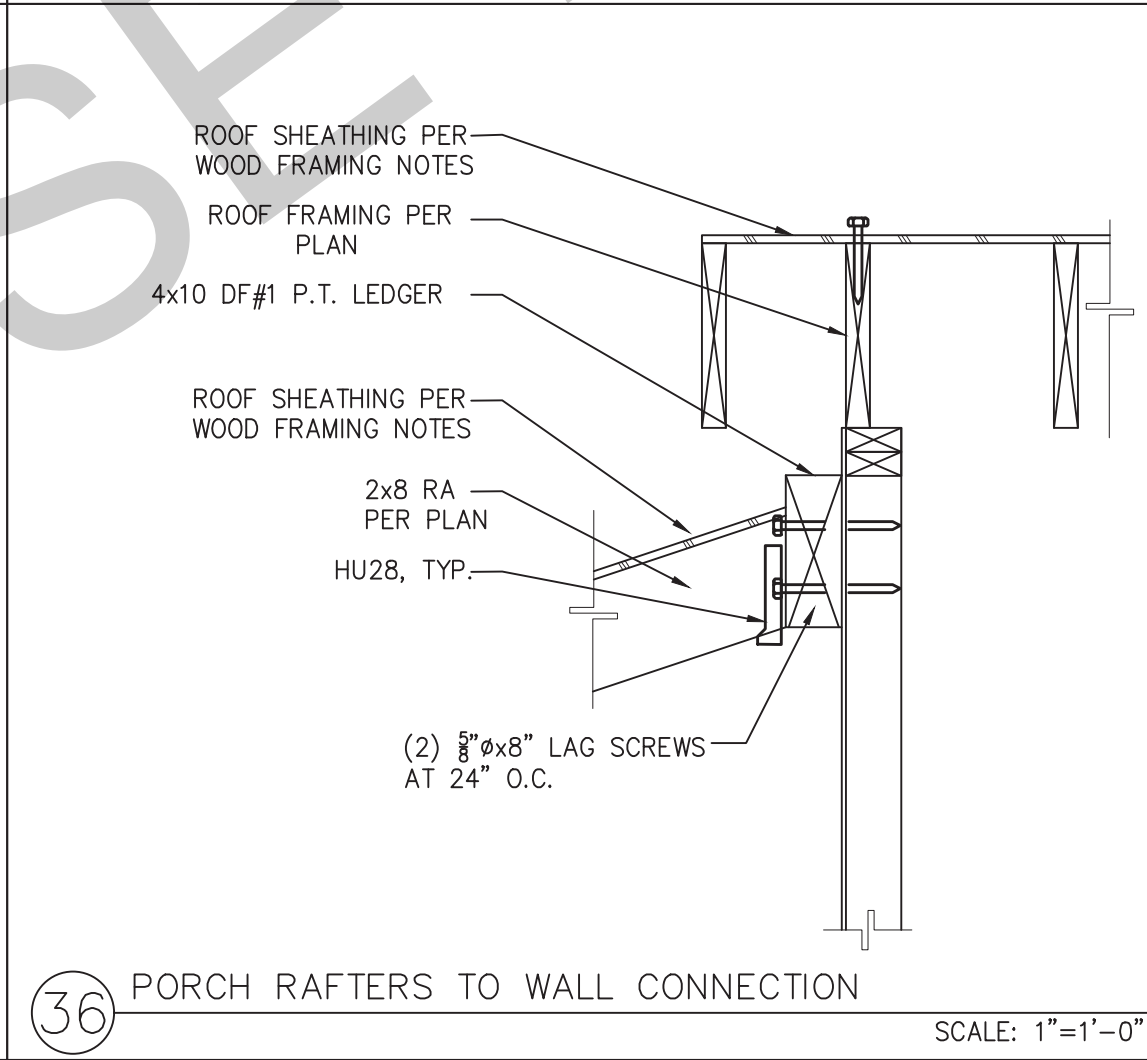
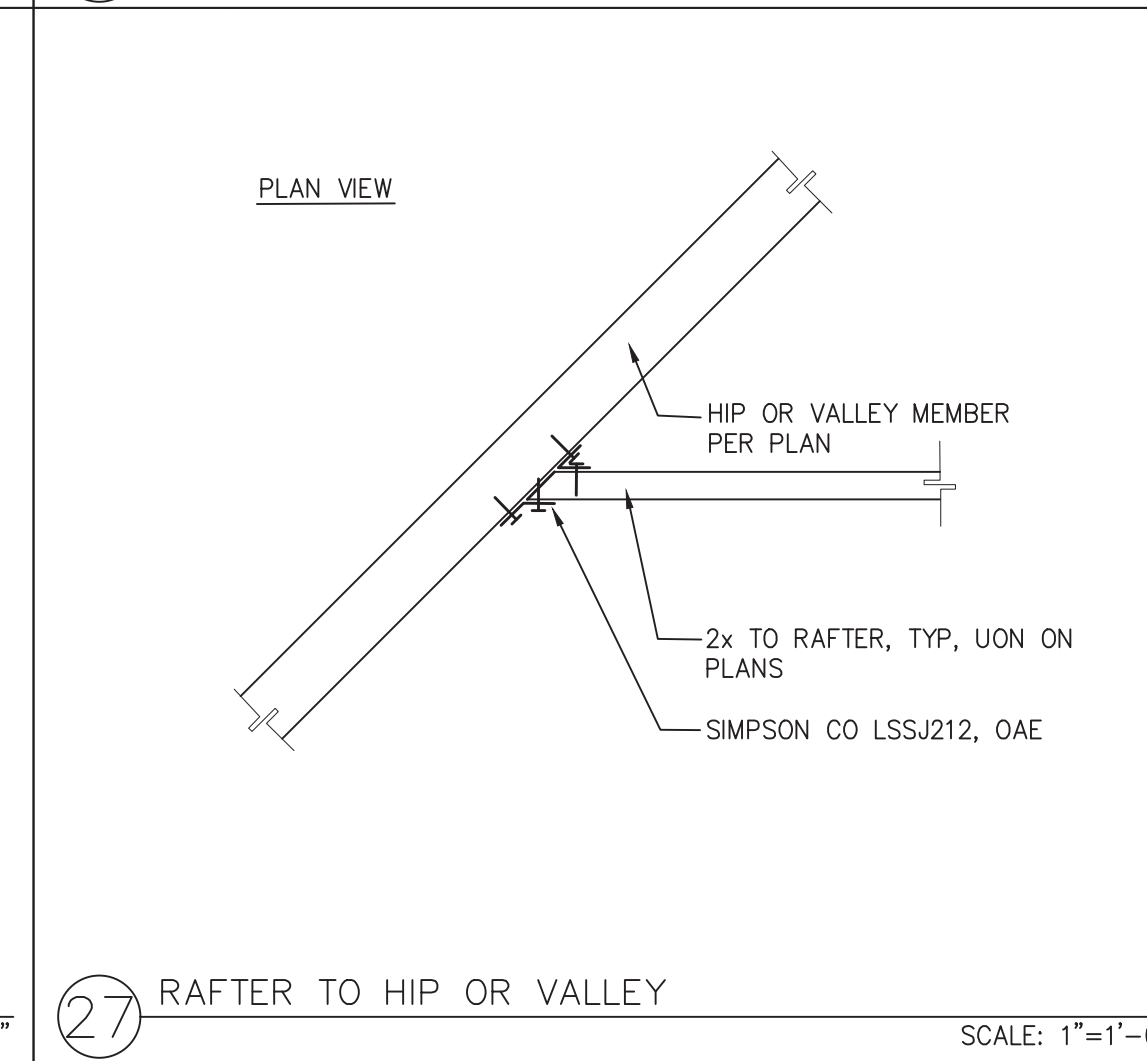
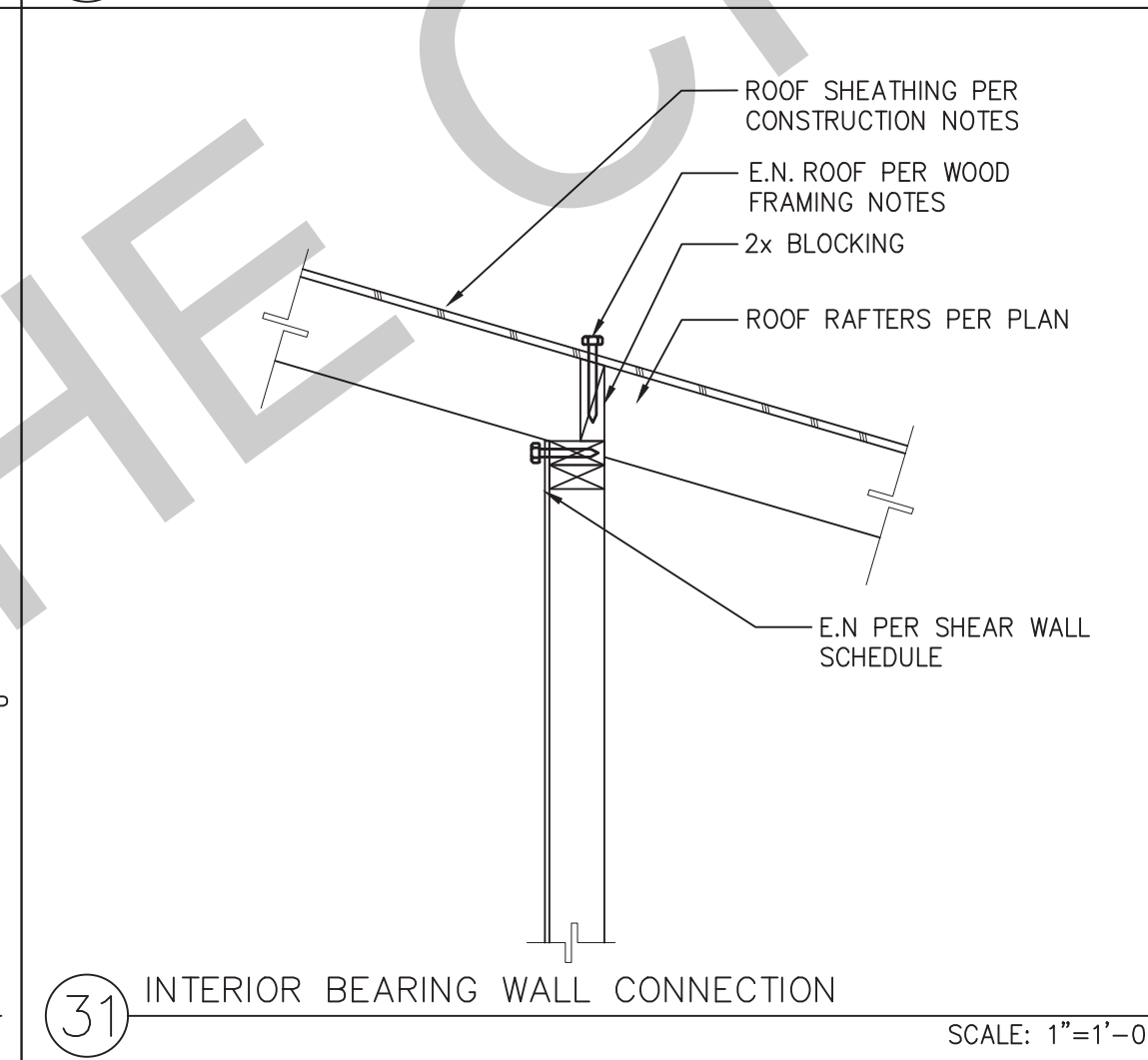
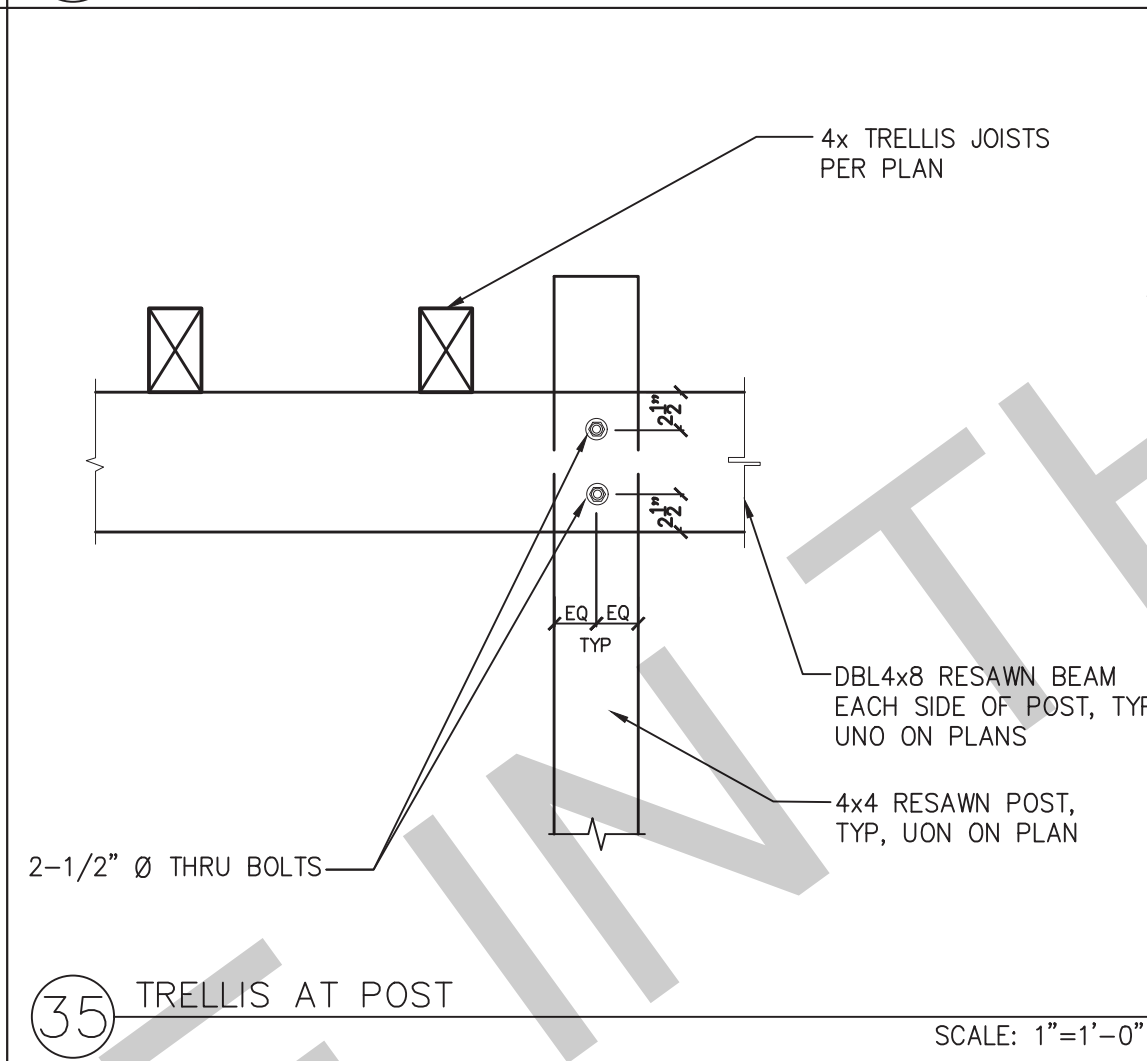
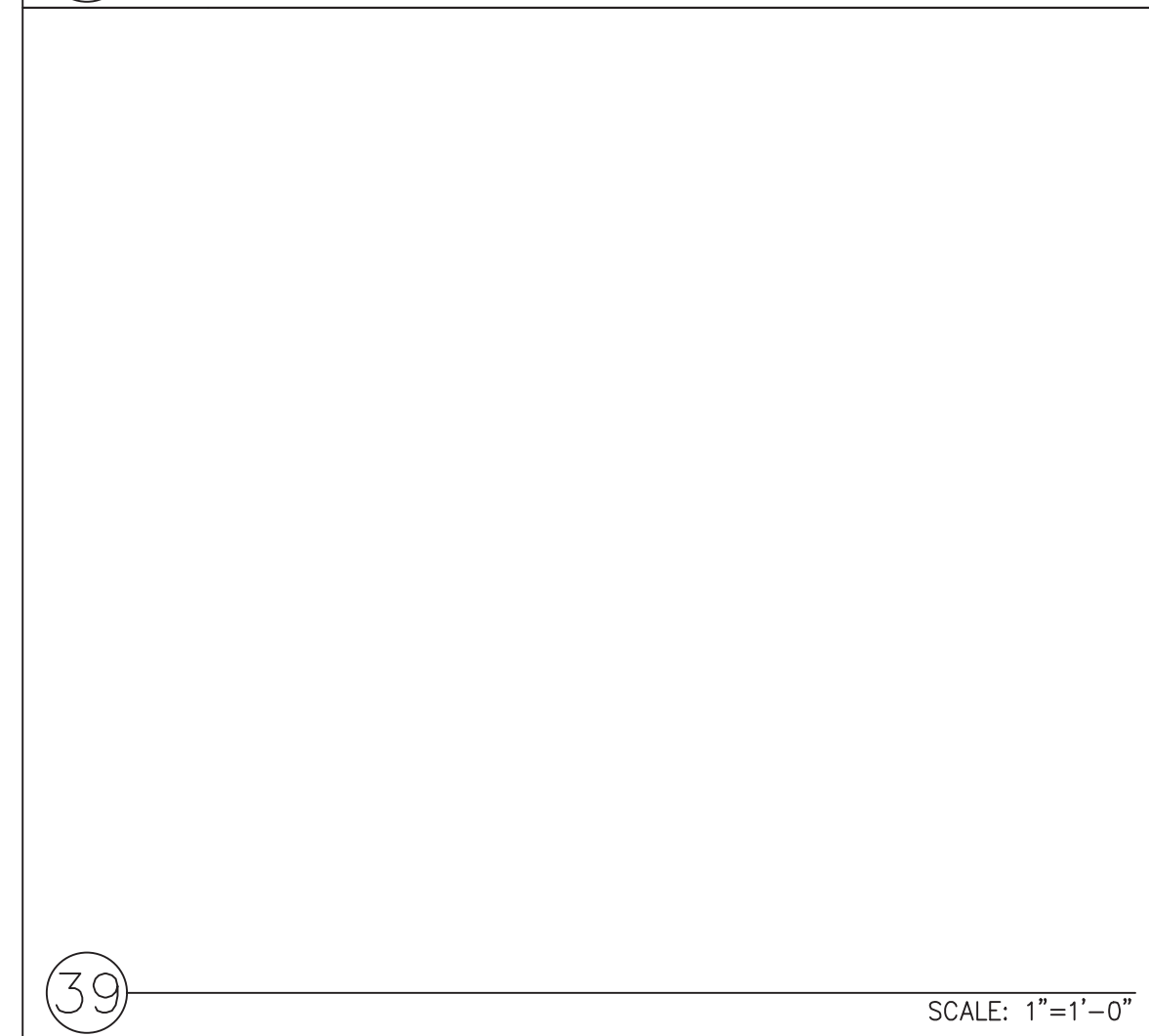
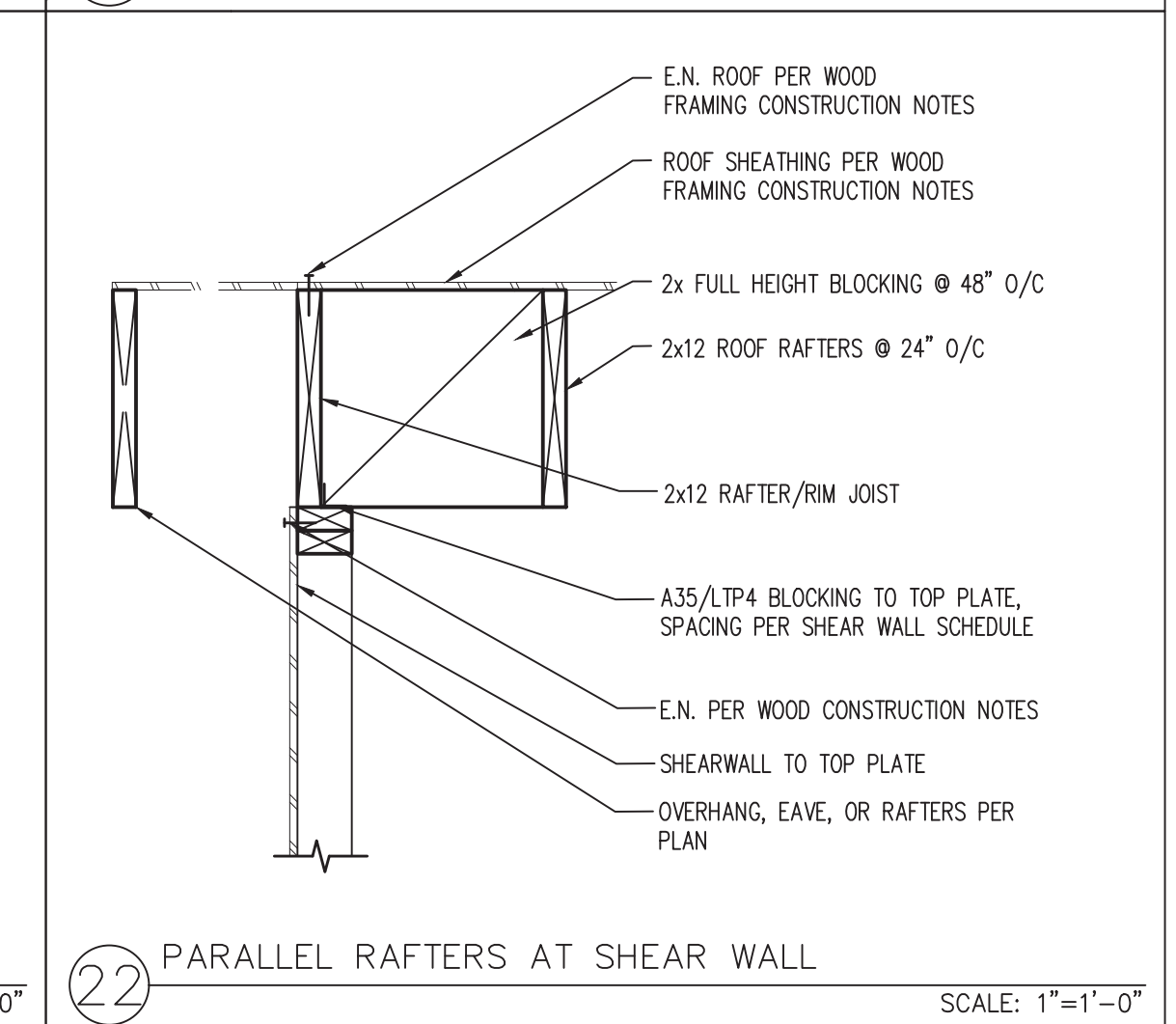
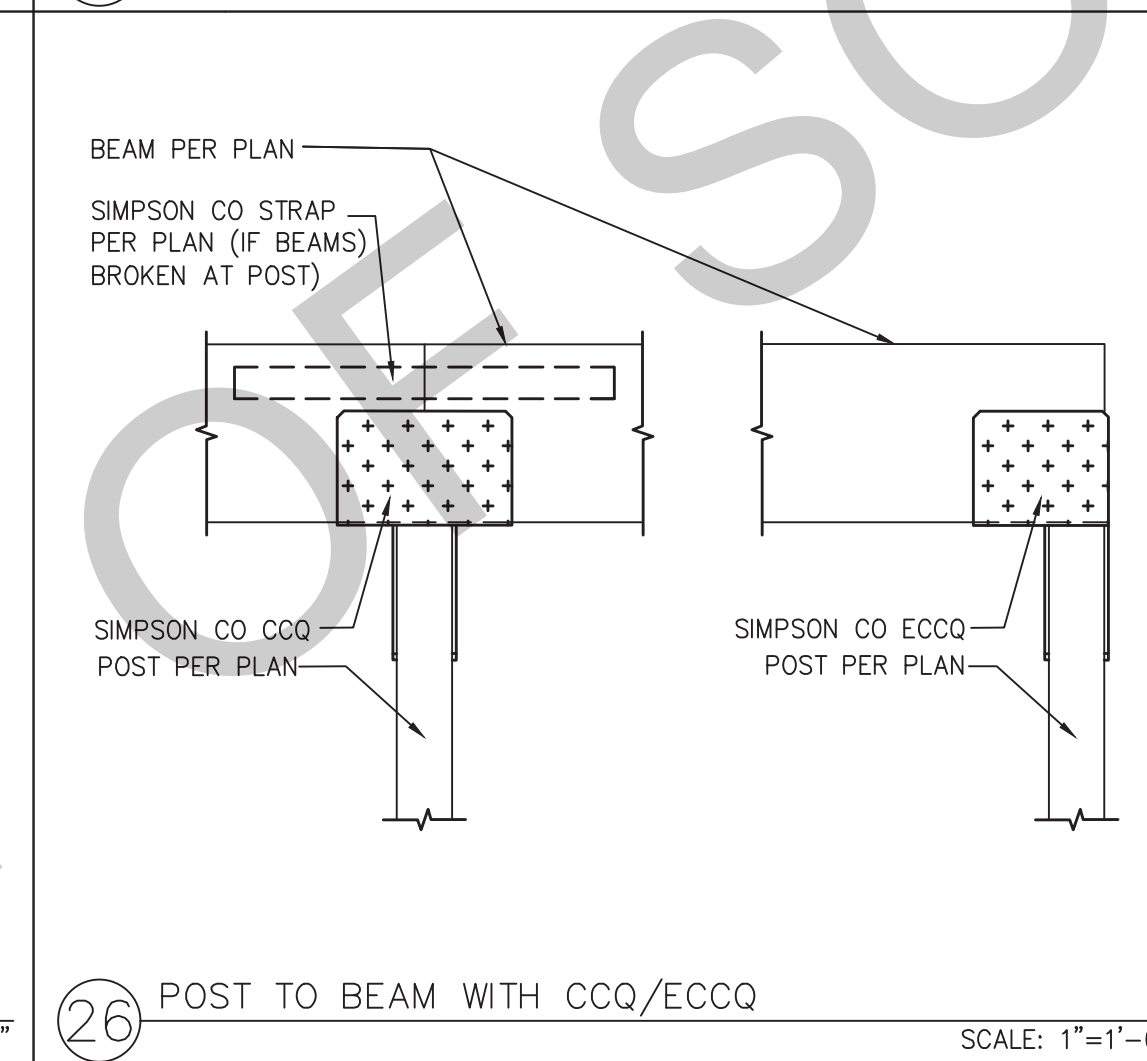
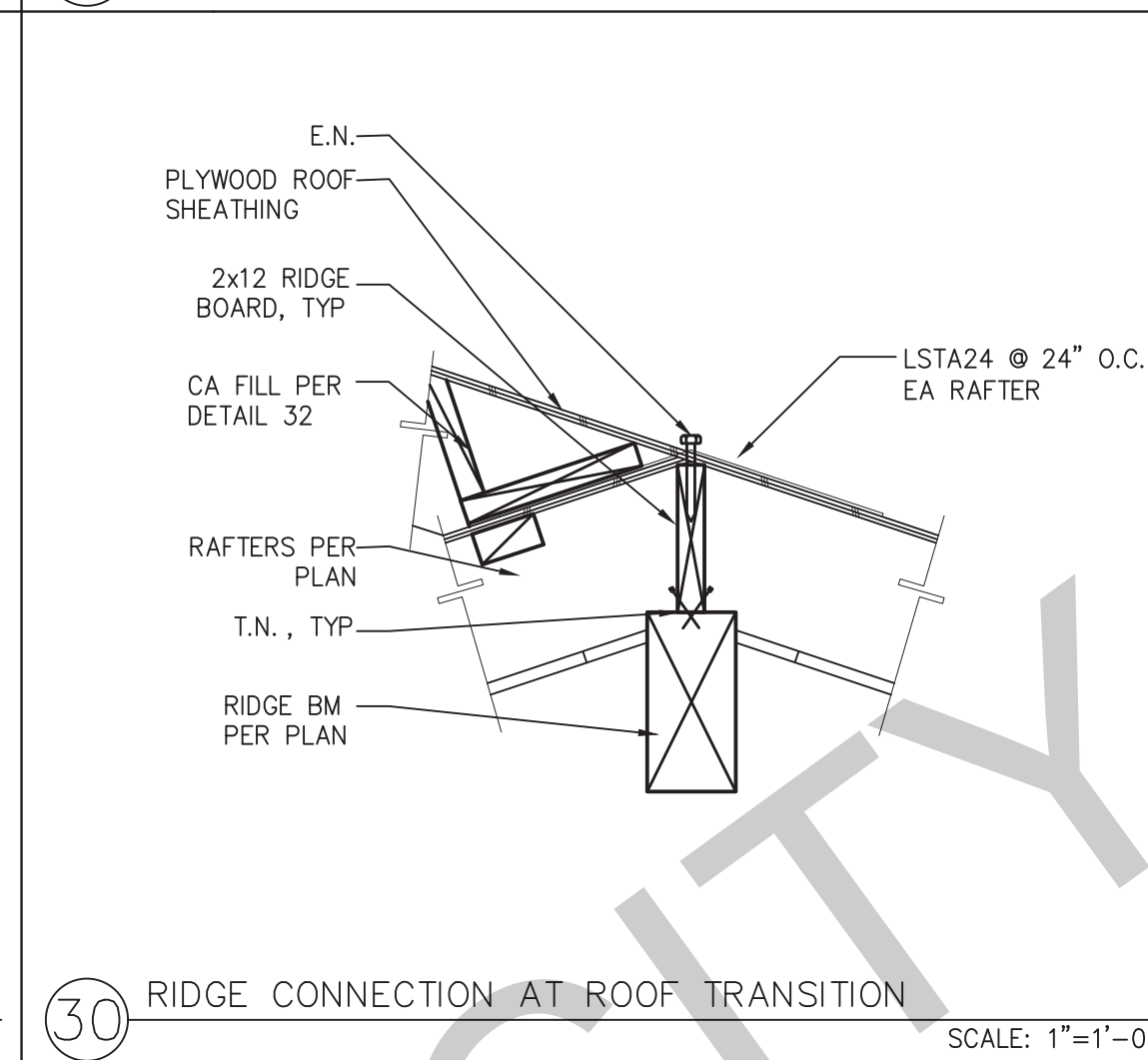
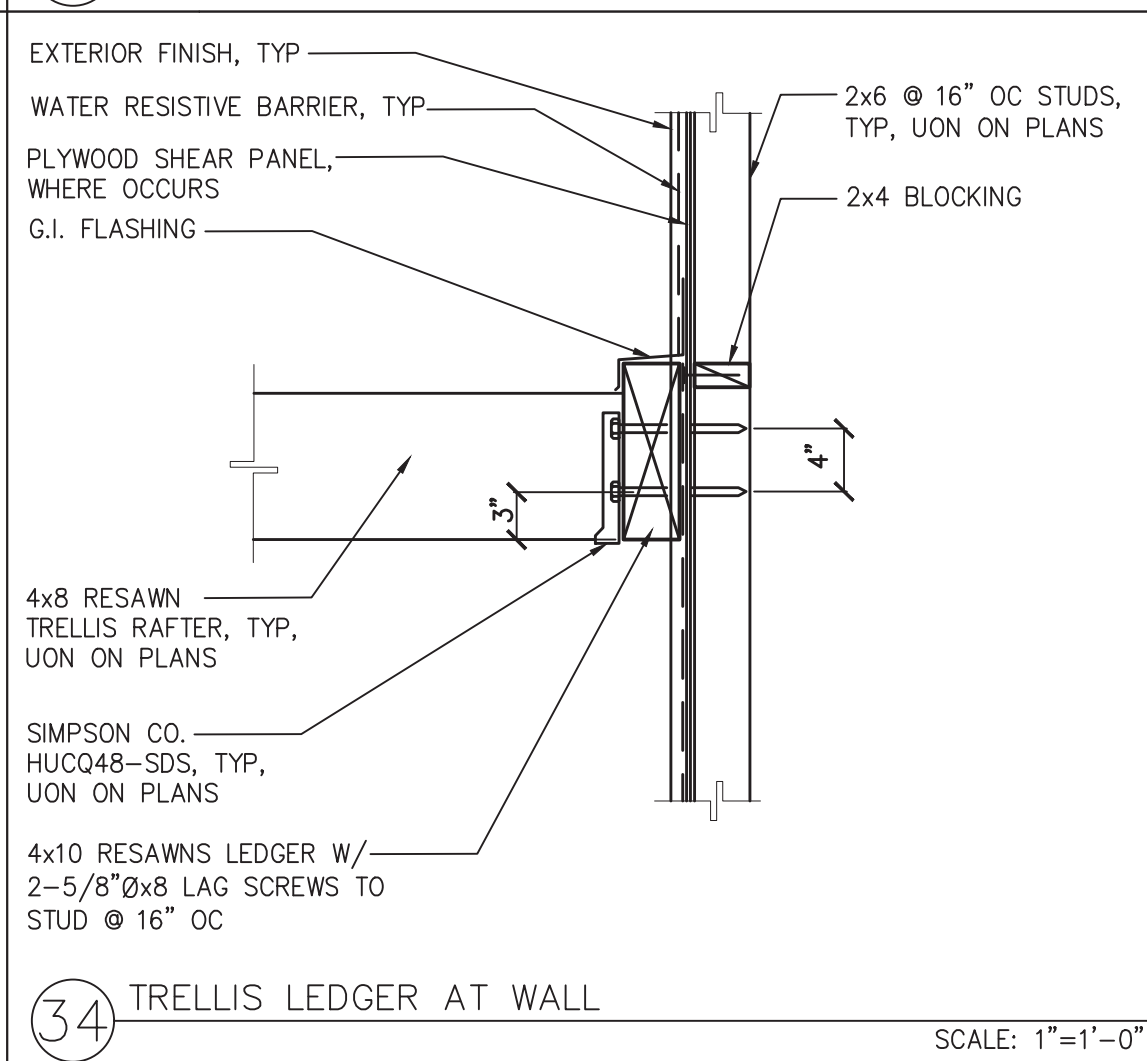
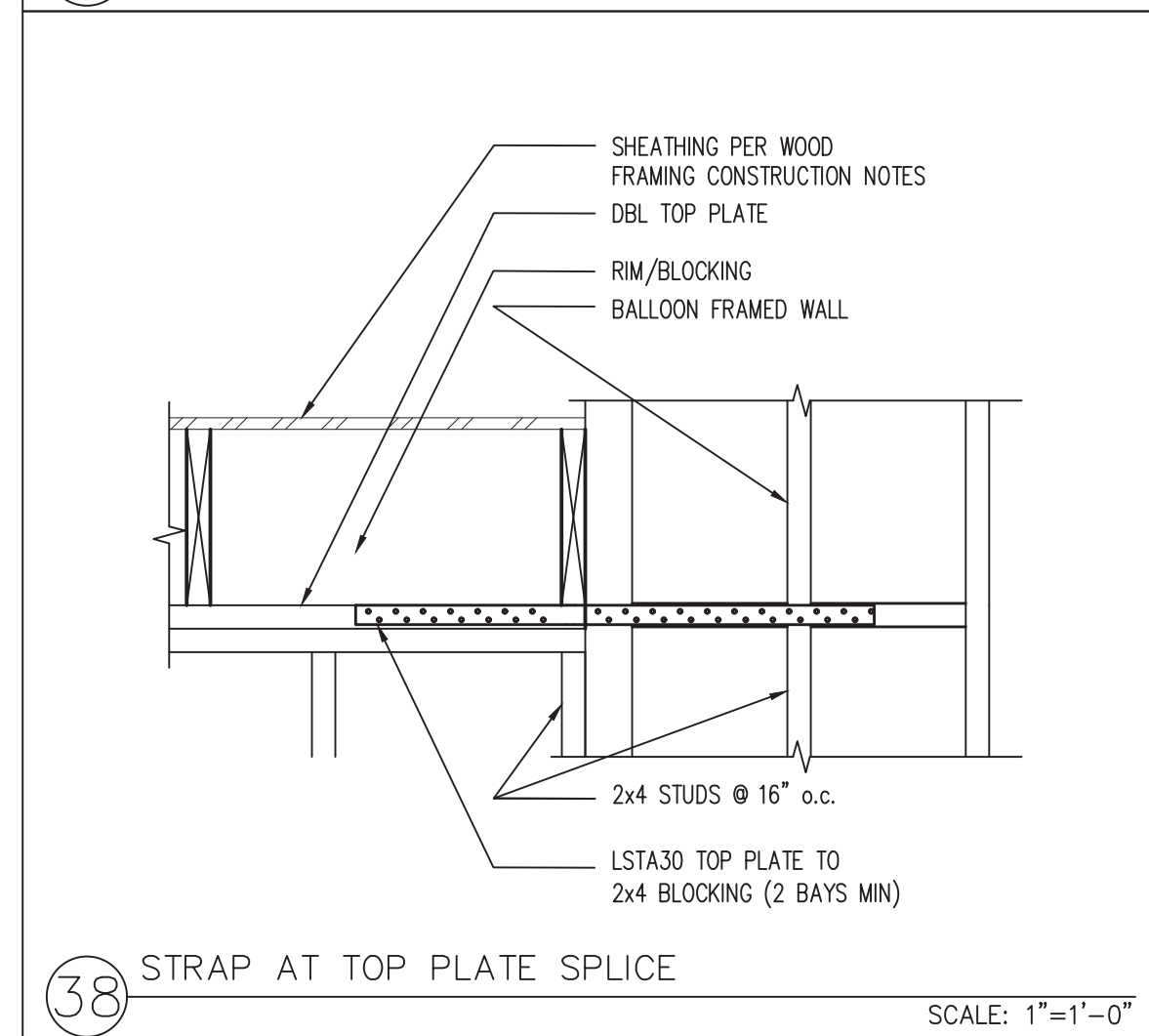
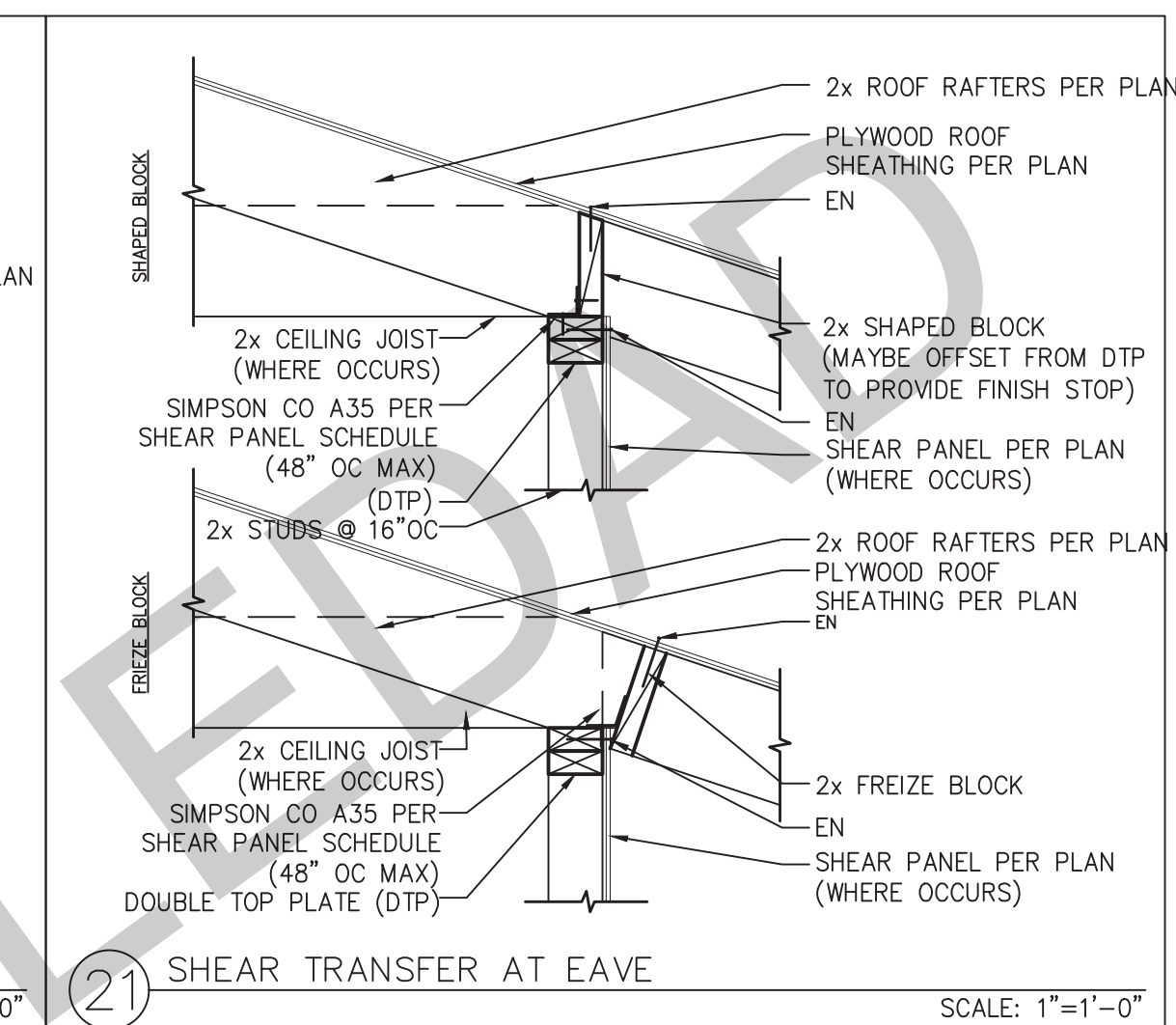
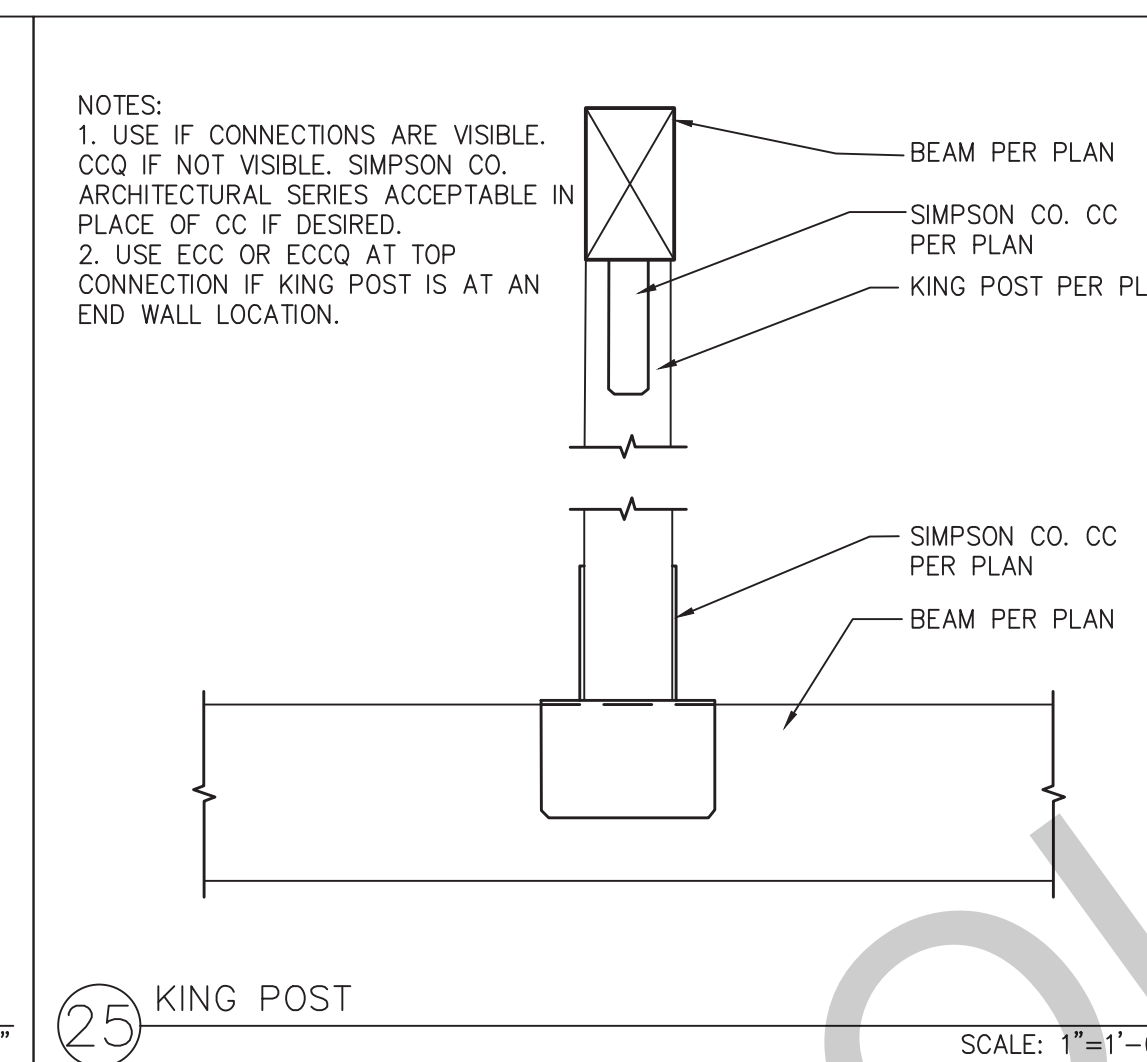
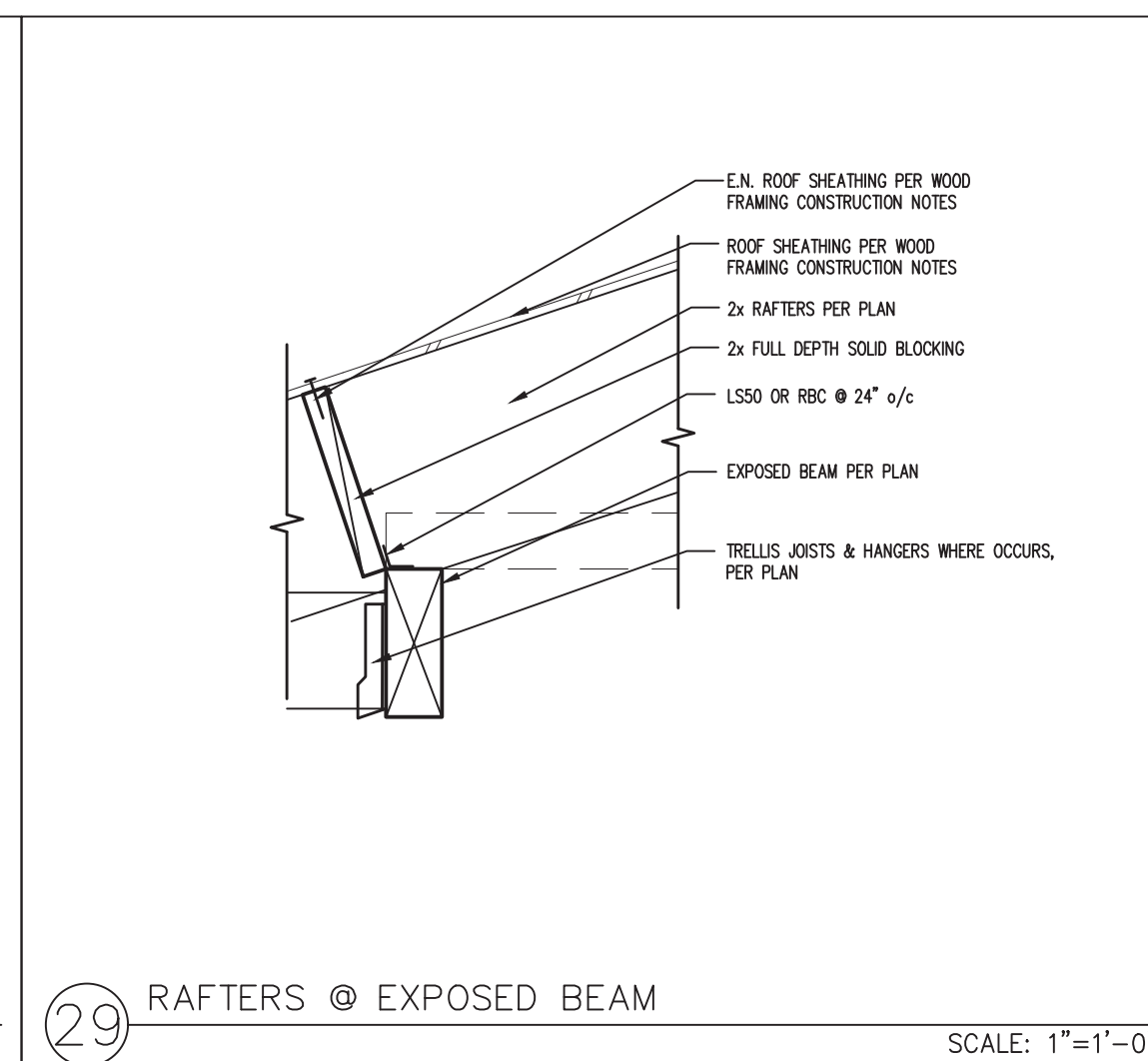
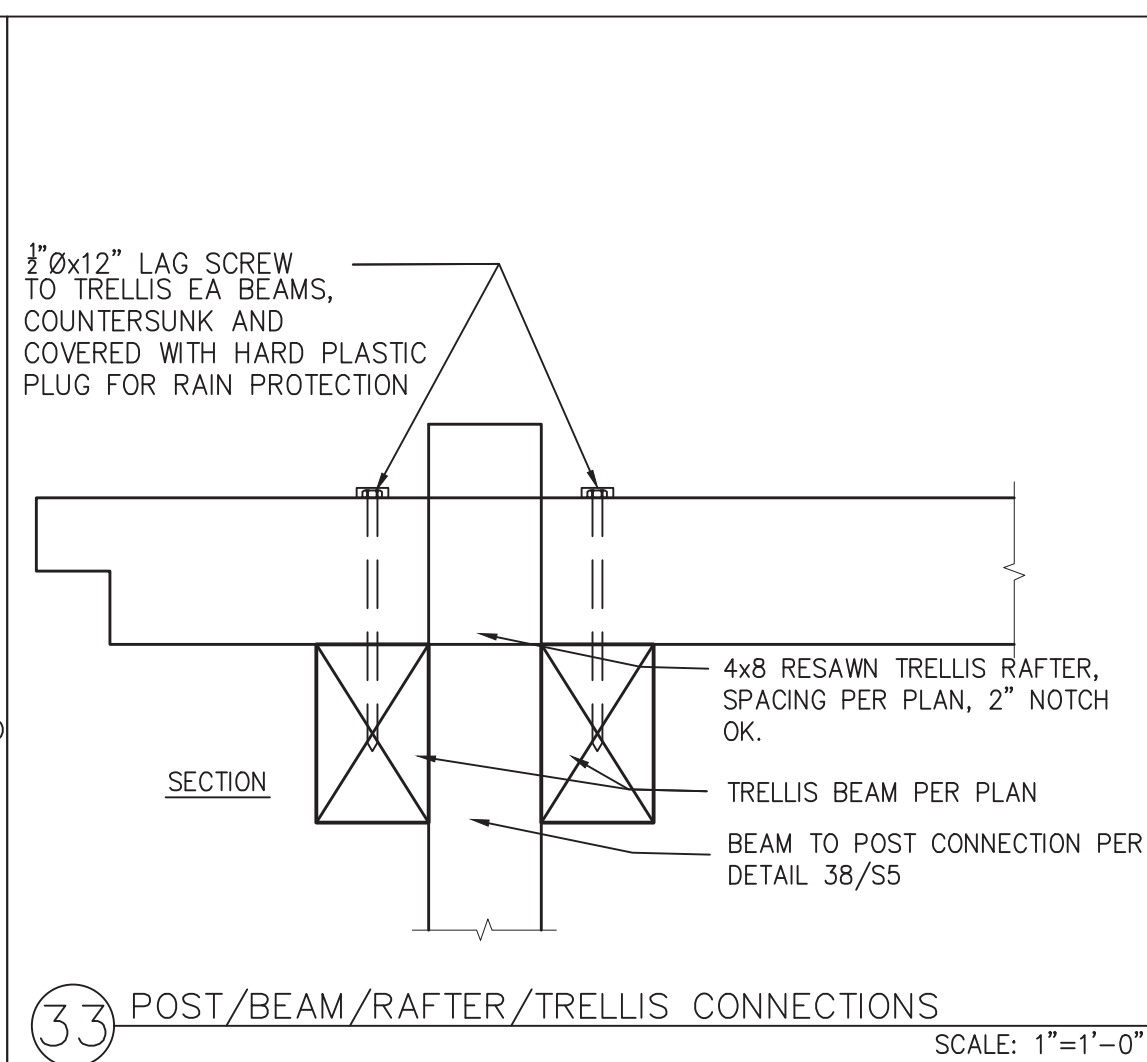
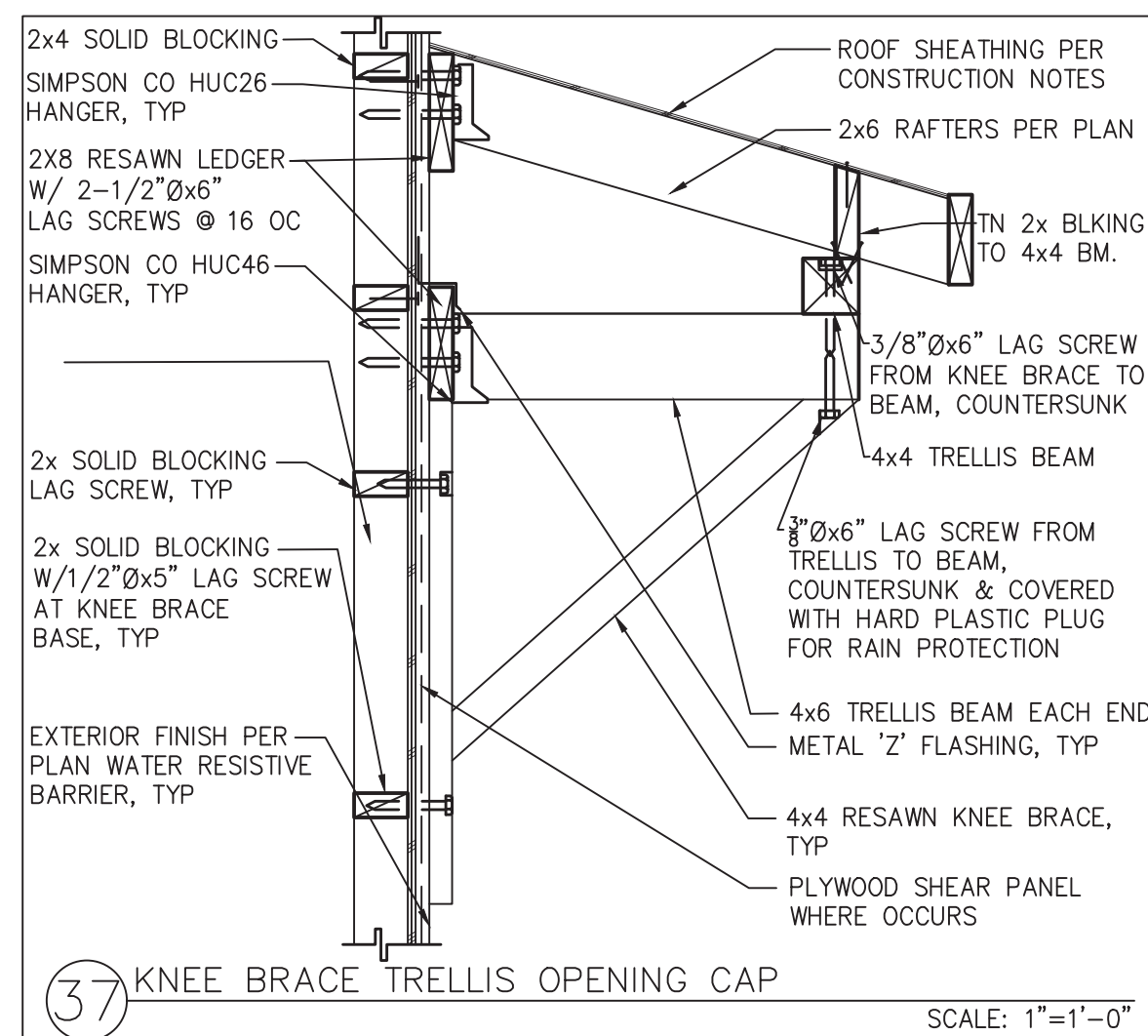
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project no.

drawn by

sheet no. **S5**





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project  
City of Soledad  
Pre-Approved ADU  
Plans

revisions  
△  
△  
△  
△  
△

description  
Structural  
Details

date 02-08-2023

project no.

drawn by

sheet no. S7

**BUILDING ENERGY ANALYSIS REPORT**

**PROJECT:**  
Soledad ADU - 2 Bedroom Plan 2A  
Soledad, CA

**Project Designer:**  
Design Path Studio  
P.O. Box 230165  
Encinitas, CA 92023  
(760) 944-1443

**Report Prepared by:**  
Design Path Studio

**Job Number:**

**Date:**  
5/22/2023

The EnergyPro computer program has been used to perform the calculations summarized in this compliance report. This program has approval and is authorized by the California Energy Commission for use with both the Residential and Nonresidential 2019 Building Energy Efficiency Standards. This program developed by EnergySoft Software - www.energysoft.com

**TITLE 24 COMPLIANCE REQUIREMENTS SUMMARY**  
Soledad ADU - 2A  
Ceiling Insulation = R-30 min. at rafters  
Radiant Barrier = No  
Roofing - per owner - No Cool Roof Req'd  
Wall Insulation = R-21 at new 2 x 6 walls  
Floor Insulation = N/A  
Thermal Mass Areas = Exposed Slab Flooring  
QI - Yes-Hire HERS rater early before drywall. Airtight insulation contractor.  
SOLAR - YES - 1.89 kWdc is the min PV required to meet the standard design  
Glazing = All new windows & doors are dual glazing. All glass is clear  
Cladding shall be insulated with a HERS compliant (and attached drawing) U-Factor.  
Solar Heat Gain Co-efficient = 0.23 windows, doors.  
U-Factor = 0.30 windows, doors.  
Owner to purchase windows & doors w/ specified U-values & SHGC's or better.  
Hot Water Heater = 40-gal heat pump RHEEM PROPH4072RH07530 or eq.  
Uniform Energy Factor is 3.1 min. NEEA Rated. HERS VERIFIED.  
IAQ FAN - 4.4 cfm @ 0.25 cfm power. Verify w/ field continuous ventilation per ASHRAE 62.2 is req'd for IAQ. HERS VERIFIED. Note IAQ fan on plan w/ timer switch w/ manual off & sound rating of 1 sone.  
HSPF - 6.2 min. (New min-req)  
SEER - 14.0 min. (New) HERS REQUIRED.  
REFRIGERANT CHARGE, AIRFLOW IN HABITABLE ROOMS (SC3.1.4.1.7), VERIFIED HEAT PUMP RATED HEATING CAPACITY, WALL-MOUNTED THERMOSTAT IN ZONES GREATER THAN 150 S.F. (SC3.4.5) AND DUCTLESS INDOOR UNITS ARE LOCATED ENTIRELY IN CONDITIONED SPACE (SC3.1.4.1.8).  
Duct Insulation = none  
Duct (HERS) 5% Leakage Test - NO  
Heater Sizing  
Total sensible heating load - 12,998 Btu  
MINISPLIT - 24,000 Btu  
A/C Sizing  
Total sensible cooling load - 7,886 Btu  
WHOLE HOUSE ATTIC COOLING FAN - NR for compliance  
These load calculations, sizing & equipment are for Title 24 purposes & should be verified HVAC by a Mechanical Engineer/Contractor.  
Owner may install any Make & Model HVAC equipment that is equal or greater than the min. efficiencies listed above. All equipment is listed "or eq".  
ALL LIGHTING TO BE HIGH EFFICACY - SEE MP18 FOR SWITCHING & NOTES.  
LOCAL EXHAUST FAN RATES BATH = 50 CFM, KITCHEN = 100 CFM, < 3 zones & listed on CEC directory. HERS VERIFIED.  
SOME RATING = 1 FOR CONTINUOUS FAN AND 3 FOR INTERMITTENT FAN.

**CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD**  
Project Name: Soledad ADU - 2 Bedroom Plan 2A 2023  
Calculation Date/Time: 2023-05-22T10:08:24-07:00  
Calculation Description: Title 24 Analysis  
Input File Name: Soledad ADU 2A.rbd22x

GENERAL INFORMATION	
01	Project Name: Soledad ADU - 2 Bedroom Plan 2A 2023
02	Run Title: Title 24 Analysis
03	Project Location
04	City: Soledad
05	Standards Version: 2022
06	Zip code
07	Software Version: EnergyPro 9.0
08	Climate Zone: 3
09	Front Orientation (deg/ Cardinal): All orientations
10	Building Type: Single family
11	Number of Dwelling Units: 1
12	Project Scope: Newly Constructed
13	Number of Bedrooms: 2
14	Number of Stories: 1
15	Addition Cond. Floor Area (ft²): 0
16	Existing Cond. Floor Area (ft²): n/a
17	Fenestration Average U-factor: 0.3
18	Total Cond. Floor Area (ft²): 749
19	Glazing Percentage (%): 19.40%
20	ADU Bedroom Count: n/a

COMPLIANCE RESULTS	
01	Building Complies with Computer Performance
02	This building incorporates features that require field testing and/or verification by a certified HERS rater under the supervision of a CEC-approved HERS provider.
03	This building incorporates one or more Special Features shown below

Registration Number: 223-P01059735A-000-000-0000000-0000  
CA Building Energy Efficiency Standards - 2022 Residential Compliance  
Registration Date/Time: 2023-05-22 11:16:35  
Report Version: 2022.0.000  
Schema Version: rev 20220901  
HERS Provider: CaCERTS, Inc.  
Report Generated: 2023-05-22 10:09:41

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Calculation Date/Time: 2023-05-22T10:08:24-07:00  
Calculation Description: Title 24 Analysis  
Input File Name: Soledad ADU 2A.rbd22x

ENERGY DESIGN RATINGS	Energy Design Ratings			Compliance Margins		
	Source Energy (EDR1)	Efficiency <sup>1</sup> EDR (EDR2Efficiency)	Total <sup>2</sup> EDR (EDR2total)	Source Energy (EDR1)	Efficiency <sup>1</sup> EDR (EDR2Efficiency)	Total <sup>2</sup> EDR (EDR2total)
Standard Design	37	41.3	36.4			
Proposed Design						
North Facing	35.6	39.3	35.1	1.4	2	1.3
East Facing	34.6	38.3	33.9	2.4	5	2.5
South Facing	34.8	36.9	34.1	2.2	4.4	2.3
West Facing	35.5	39.5	35.2	1.5	1.8	1.2
<b>RESULT: PASS</b>						
<sup>1</sup> Efficiency EDR includes improvements like a better building envelope and more efficient equipment. <sup>2</sup> Total EDR includes efficiency and demand response measures such as photovoltaic (PV) system and batteries. Building complies when source energy, efficiency and total compliance margins are greater than or equal to zero and unmet load hour limits are not exceeded						
* Standard Design PV Capacity: 1.89 kWdc * Proposed PV Capacity Sizing: North (1.89 kWdc) East (1.89 kWdc) South (1.89 kWdc) West (1.89 kWdc)						

Registration Number: 223-P01059735A-000-000-0000000-0000  
CA Building Energy Efficiency Standards - 2022 Residential Compliance  
Registration Date/Time: 2023-05-22 11:16:35  
Report Version: 2022.0.000  
Schema Version: rev 20220901  
HERS Provider: CaCERTS, Inc.  
Report Generated: 2023-05-22 10:09:41

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Calculation Date/Time: 2023-05-22T10:08:24-07:00  
Calculation Description: Title 24 Analysis  
Input File Name: Soledad ADU 2A.rbd22x

ENERGY USE SUMMARY	Standard Design TDV Energy (EDR1) (kBtu/ft²-yr)		Proposed Design TDV Energy (EDR1) (kBtu/ft²-yr)		Compliance Margin (EDR1)		Compliance Margin (EDR2)	
	Energy Use	Standard Design Source Energy (EDR1) (kBtu/ft²-yr)	Standard Design TDV Energy (EDR2) (kWh/ft²-yr)	Proposed Design Source Energy (EDR1) (kBtu/ft²-yr)	Proposed Design TDV Energy (EDR2) (kWh/ft²-yr)	Compliance Margin (EDR1)	Compliance Margin (EDR2)	
Space Heating	2.87	12.65	3.4	27.26	-0.53	-14.61		
Space Cooling	0.04	5.63	0	0	0.04	5.63		
IAQ Ventilation	0.45	4.88	0.45	4.88	0	0		
Water Heating	3.33	36.06	2.15	24.11	1.18	11.95		
Self Utilization/Flexibility Credit				0		0		
North Facing Efficiency Compliance Total	6.69	59.22	5	56.25	0.69	2.97		
Space Heating	2.87	12.65	2.92	23.3	-0.05	-10.45		
Space Cooling	0.04	5.63	0	0	0.04	5.63		
IAQ Ventilation	0.45	4.88	0.45	4.88	0	0		
Water Heating	3.33	36.06	2.15	24.07	1.18	11.99		
Self Utilization/Flexibility Credit				0		0		
East Facing Efficiency Compliance Total	6.69	59.22	5.52	52.05	1.17	7.17		

Registration Number: 223-P01059735A-000-000-0000000-0000  
CA Building Energy Efficiency Standards - 2022 Residential Compliance  
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Calculation Date/Time: 2023-05-22T10:08:24-07:00  
Calculation Description: Title 24 Analysis  
Input File Name: Soledad ADU 2A.rbd22x

ENERGY USE INTENSITY	Standard Design (kBtu/ft²-yr)		Proposed Design (kBtu/ft²-yr)		Compliance Margin (kBtu/ft²-yr)		Margin Percentage
	Standard Design	Proposed Design	Standard Design	Proposed Design	Compliance Margin	Margin Percentage	
North Facing							
Gross EU <sup>1</sup>	26.09	24.7	1.39	5.83			
Net EU <sup>2</sup>	12.83	11.44	1.39	10.83			
East Facing							
Gross EU <sup>1</sup>	26.09	24.16	1.93	7.4			
Net EU <sup>2</sup>	12.83	10.9	1.93	15.04			
South Facing							
Gross EU <sup>1</sup>	26.09	24.78	1.31	6.94			
Net EU <sup>2</sup>	12.83	11.02	1.81	14.11			
West Facing							
Gross EU <sup>1</sup>	26.09	24.78	1.31	5.02			
Net EU <sup>2</sup>	12.83	11.52	1.31	10.21			
Notes 1. Gross EU is Energy Use Total (not including PV) / Total Building Area. 2. Net EU is Energy Use Total (including PV) / Total Building Area.							

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Schema Version: rev 20220901  
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REQUIRED PV SYSTEMS											
01	02	03	04	05	06	07	08	09	10	11	12
DC System Size (kWdc)	Exception	Module Type	Array Type	Power Electronics	CFI	Azimuth (deg)	Tilt Input	Array Angle (deg)	Tilt (x in 12)	Inverter Eff. (%)	Annual Solar Access (%)
1.80	NA	Standard (14-17%)	Fixed	none	true	150-270	n/a	n/a	<=7:12	96	98
REQUIRED SPECIAL FEATURES											
The following are features that must be installed as condition for meeting the modeled energy performance for this computer analysis. <ul style="list-style-type: none"> <li>Exposed slab floor in conditioned zone</li> <li>Variable capacity heat pump compliance option (verification details from VCHP Staff report, Appendix B, and BAA)</li> <li>Northwest Energy Efficiency Alliance (NEEA) tested heat pump water heater; specific brand/model, or equivalent, must be installed</li> </ul>											
HERS FEATURE SUMMARY											
The following is a summary of the features that must be field-verified by a certified HERS rater in a 30-second log for meeting the modeled energy performance for this computer analysis. Additional detail is provided in the building tables below. Registered CF2Rs and CF3Rs are required to be completed in the HERS Register. <ul style="list-style-type: none"> <li>Quality insulation installation (QII)</li> <li>Indoor air quality ventilation</li> <li>Kitchen range hood</li> <li>Verified Refrigerant Charge</li> <li>Airflow in habitable rooms (SC3.1.4.1.7)</li> <li>Verified heat pump rated heating capacity</li> <li>Wall-mounted thermostat in zones greater than 150 R2 (SC3.4.5)</li> <li>Ductless indoor units located entirely in conditioned space (SC3.1.4.1.8)</li> </ul>											
BUILDING - FEATURES INFORMATION											
01	02	03	04	05	06	07					
Project Name	Conditioned Floor Area (ft²)	Number of Dwelling Units	Number of Bedrooms	Number of Zones	Number of Ventilation Cooling Systems	Number of Water Heating Systems					
Soledad ADU - 2 Bedroom Plan 2A 2023	749	1	2	1	0	1					

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ZONE INFORMATION						
01	02	03	04	05	06	07
Zone Name	Zone Type	HVAC System Name	Zone Floor Area (ft²)	Avg. Ceiling Height	Water Heating System 1	Status
ADU - 2 Bed Plan 2A	Conditioned	Ductless Mini Split 1	749	10.3	DHW Sys 1	New
OPAQUE SURFACES						
01	02	03	04	05	06	07
Name	Zone	Construction	Azimuth	Orientation	Gross Area (ft²)	Window and Door Area (ft²)
Front Wall - 2A	ADU - 2 Bed Plan 2A	R-21 Wall	0	Front	197	47.75
Right Wall - 2A	ADU - 2 Bed Plan 2A	R-21 Wall	270	Right	420	15
Back Wall - 2A	ADU - 2 Bed Plan 2A	R-21 Wall	180	Back	174	17.25
Left Wall - 2A	ADU - 2 Bed Plan 2A	R-21 Wall	90	Left	420	65.5
OPAQUE SURFACES - CATHEDRAL CEILING						
01	02	03	04	05	06	07
Name	Zone	Construction	Azimuth	Orientation	Area (ft²)	Skylight Area (ft²)
Roof (cat) Avg pitch	ADU - 2 Bed Plan 2A	R-30 Roof No Attic	90	Left	749	0
FENESTRATION / GLAZING						
01	02	03	04	05	06	07
Name	Type	Surface	Orientation	Azimuth	Width (ft)	Height (ft)
Door 1	Window	Front Wall - 2A	Front	0	1	20
Window D	Window	Front Wall - 2A	Front	0	1	24
Window C	Window	Front Wall - 2A	Front	0	1	3.75

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project  
City of Soledad  
Pre-Approved ADU  
Plans

revisions  
description  
Energy Calculations

date 02-08-2023  
project no.  
drawn by  
sheet no. T24.1

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01	02	03	04	05	06	07	08	09	10	11	12	13	14
Name	Type	Surface	Orientation	Altitude	Width (ft)	Height (ft)	Mult.	Area (ft <sup>2</sup> )	U-factor	U-factor Source	SHGC	SHGC Source	Exterior Shading
Window C	Window	Right Wall - 2A	Right	270			1	3.75	0.3	NFRC	0.32	NFRC	Bug Screen
Window E	Window	Right Wall - 2A	Right	270			1	7.5	0.3	NFRC	0.32	NFRC	Bug Screen
Window C.	Window	Right Wall - 2A	Right	270			1	3.75	0.3	NFRC	0.32	NFRC	Bug Screen
Window C..	Window	Back Wall - 2A	Back	180			1	3.75	0.3	NFRC	0.32	NFRC	Bug Screen
Window B	Window	Back Wall - 2A	Back	180			1	13.5	0.3	NFRC	0.32	NFRC	Bug Screen
Window A	Window	Left Wall - 2A	Left	90			1	5	0.3	NFRC	0.32	NFRC	Bug Screen
Window A.	Window	Left Wall - 2A	Left	90			1	5	0.3	NFRC	0.32	NFRC	Bug Screen
Window B.	Window	Left Wall - 2A	Left	90			1	13.5	0.3	NFRC	0.32	NFRC	Bug Screen
Window B..	Window	Left Wall - 2A	Left	90			1	13.5	0.3	NFRC	0.32	NFRC	Bug Screen
Window A..	Window	Left Wall - 2A	Left	90			1	5	0.3	NFRC	0.32	NFRC	Bug Screen
Window A...	Window	Left Wall - 2A	Left	90			1	5	0.3	NFRC	0.32	NFRC	Bug Screen
Window F (worst cas	Window	Left Wall - 2A	Left	90			1	5	0.3	NFRC	0.32	NFRC	Bug Screen

01	02	03	04	05	06	07	08
Name	Zone	Area (ft <sup>2</sup> )	Perimeter (ft)	Edge Insul. R-value and Depth	Edge Insul. R-value and Depth	Carpeted Fraction	Heated
Slab-on-Grade - 2A	ADU - 2 Bed Plan 2A	749	119	none	0	0%	No

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01	02	03	04	05	06	07	08
Construction Name	Surface Type	Construction Type	Framing	Total Cavity R-value	Interior / Exterior Continuous R-value	U-factor	Assembly Layers
R-21 Wall	Exterior Walls	Wood Framed Wall	2x6 @ 16 in. O.C.	R-21	None / None	0.069	Inside Finish: Gypsum Board Cavity / Frame: R-21 / 2nd Exterior Finish: 1 Coat Stucco
R-30 Roof No Attic	Cathedral Ceilings	Wood Framed Ceiling	2x12 @ 24 in. O.C.	R-30	None / None	0.033	Roofing: 10 PSF (Roof/Air/Gap) Tile Gap present Roof Deck: Wood Siding/Sheathing/Decking Cavity / Frame: R-30 / 2x12 Inside Finish: Gypsum Board

01	02	03	04	05
Quality Insulation Installation (QII)	High R-value Spray Foam Insulation	Building Envelope Air Leakage	CFM50	CFM50
Required	Not Required	n/a	n/a	n/a

01	02	03	04	05	06	07	08	09
Name	System Type	Distribution Type	Water Heater Name	Number of Units	Solar Heating System	Compact Distribution	HERS Verification	Water Heater Name (R)
DHW Sys 1	Domestic Hot Water (DHW)	Standard	DHW Heater 1	1	n/a	None	n/a	DHW Heater 1 (1)

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01	02	03	04	05	06	07	08	09
Name	Verified Airflow	Airflow Target	Verified EER/SEER	Verified SEER/SEER	Verified Refrigerant Charge	Verified HSPF/HSPF2	Verified Heating Cap 47	Verified Heating Cap 17
Heat Pump System 1-Hers-Hismp	Not Required	0	Not Required	Not Required	Not Required	Yes	Yes	Yes

01	02	03	04	05	06	07	08	09	10
Name	Certified Low-Static VCHP System	Airflow to Habitable Rooms	Ductless Units in Conditioned Space	Wall Mount Thermostat	Air Filter Sizing & Pump Pressure Drop Rating	Low Leakage Ducts in Conditioned Space	Minimum Airflow per RA3.3 and SC2.3.4.3	Certified Non-continuous Fan	Indoor Fan not Running Continuously
Heat Pump System 1	Not required	Required	Required	Required	Not required	Not required	Not required	Not required	Not required

01	02	03	04	05	06	07	08	09
Dwelling Unit	Airflow (CFM)	Fan Efficiency (W/CFM)	IAQ Fan Type	Includes Heat/Energy Recovery?	IAQ Recovery Effectiveness - SRE	Includes Fault Indicator Display?	HERS Verification	Status
SfAM IAQVentRt	44	0.35	Exhaust	No	n/a	No	Yes	

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Documentation Author's Declaration Statement  
I, I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Yvonne St Pierre  
Signature Date: 2023-05-22 11:16:35  
Address: PO Box 230165  
City/State/Zip: Encinitas, CA 92023

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.  
2. I certify that the energy efficiency and performance specifications identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 2 of the California Code of Regulations.  
3. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

Responsible Developer Name: Yvonne St Pierre  
Signature Date: 2023-05-22 11:16:35  
Address: PO Box 230165  
City/State/Zip: Encinitas, CA 92023

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



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2022 Single-Family Residential Mandatory Requirements Summary

§ 110.0	<b>Pilot Lights.</b> Continuously burning pilot lights are prohibited for natural gas fan-coil central furnace, furnace, cooling appliances (except gas-fired water heaters) and electric space heating equipment with pilot lights that consume less than 100 Btu per hour. See § 110.0.1.
§ 110.0.01	<b>Building Cooling and Heating Loads.</b> Heating and/or cooling loads are calculated in accordance with the ASHRAE Handbook, Equipment Sizing, Application Volume, and Fundamentals (2017) and the International Mechanical Code (IMC) 2018, Section 1003.2.1.1. Cooling loads shall be calculated in accordance with the ASHRAE Handbook, Equipment Sizing, Application Volume, and Fundamentals (2017) and the International Mechanical Code (IMC) 2018, Section 1003.2.1.1.1.
§ 110.0.02	<b>Chillers.</b> Air conditioning and heat pump systems must have a minimum of one fan coil per ton of cooling capacity.
§ 110.0.03	<b>Low-Static Duct.</b> Air conditioning and heat pump systems must be equipped with liquid filter driers if required, as specified by the manufacturer's instructions.
§ 110.0.04	<b>Water Pump, Solar Recharge System Piping, and Space Conditioning System Line Insulation.</b> All domestic water piping must be insulated as specified in § 110.11 of the California Plumbing Code.
§ 110.0.05	<b>Headwater Protection.</b> Piping insulation must be protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind as required by § 110.3.3.1. Insulation exposed to weather must be water resistant and protected from UV light by adhesive tapes. Insulation covering ceiling piping and refrigerant suction piping located inside the conditioned space must be protected by a Class II or Class III vapor barrier. Pipe insulation located below grade must be installed in a waterproof and non-combustible casing as specified in § 110.3.3.1.
§ 110.0.06	<b>Gas or Propane Water Heating Systems.</b> Systems using gas or propane water heaters with hot water circulation systems must include a gas vent system, based on the distance between the designated gas vent and the water heater/bath, and condensate drain no more than 2" higher than the base of the water heater.
§ 110.0.07	<b>Solar Water-Heating Systems.</b> Solar water-heating systems and collectors must be certified and rated by the Solar Rating and Certification Corporation (SRCC), the International Association of Plumbing and Mechanical Contractors (IAPMC), or a listing agency that is approved by the executive director.
§ 110.0.08	<b>Ducts and Pipes.</b> Ducts, insulation installed on an existing space-conditioning duct must comply with § 110.0.0.1. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.2. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.3. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.4. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.5. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.6. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.7. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.8. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.9. 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Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.82. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.83. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.84. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.85. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.86. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.87. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.88. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.89. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.90. 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Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.100. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.101. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.102. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.103. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.104. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.105. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.106. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.107. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.108. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.109. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.110. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.111. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.112. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.113. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.114. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.115. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.116. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.117. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.118. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.119. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.120. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.121. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.122. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.123. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.124. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.125. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.126. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.127. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.128. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.129. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.130. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.131. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.132. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.133. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.134. Ducts, insulation installed on a new existing space-conditioning duct must comply with § 110.0.0.135. 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