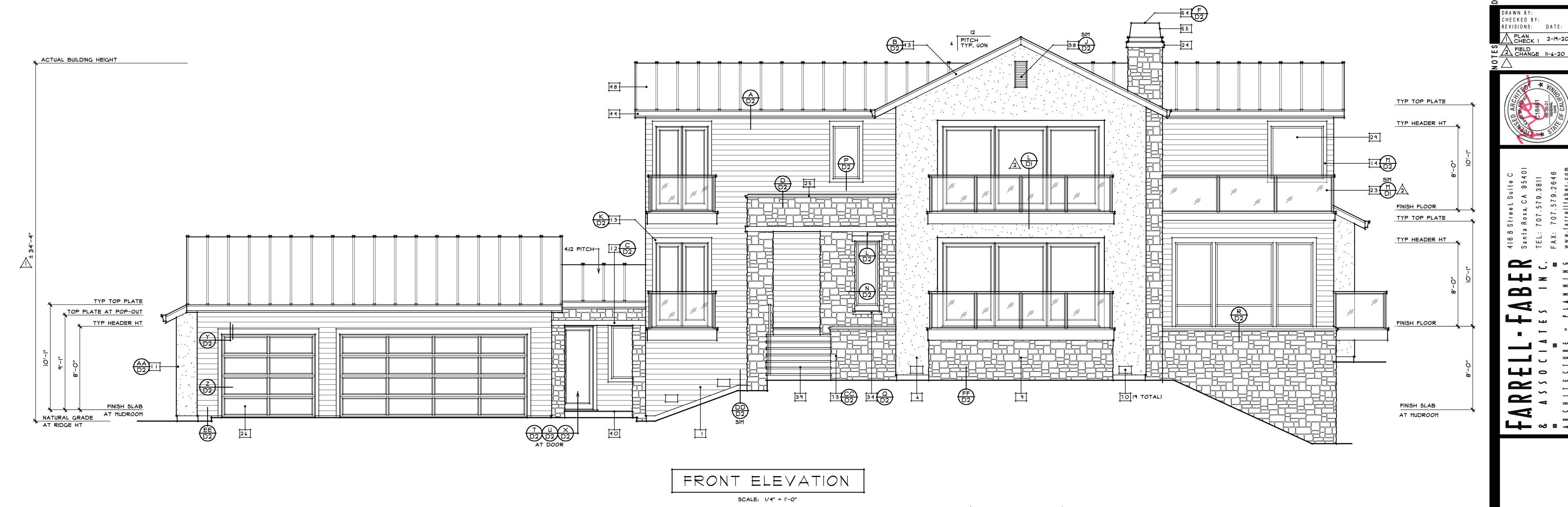
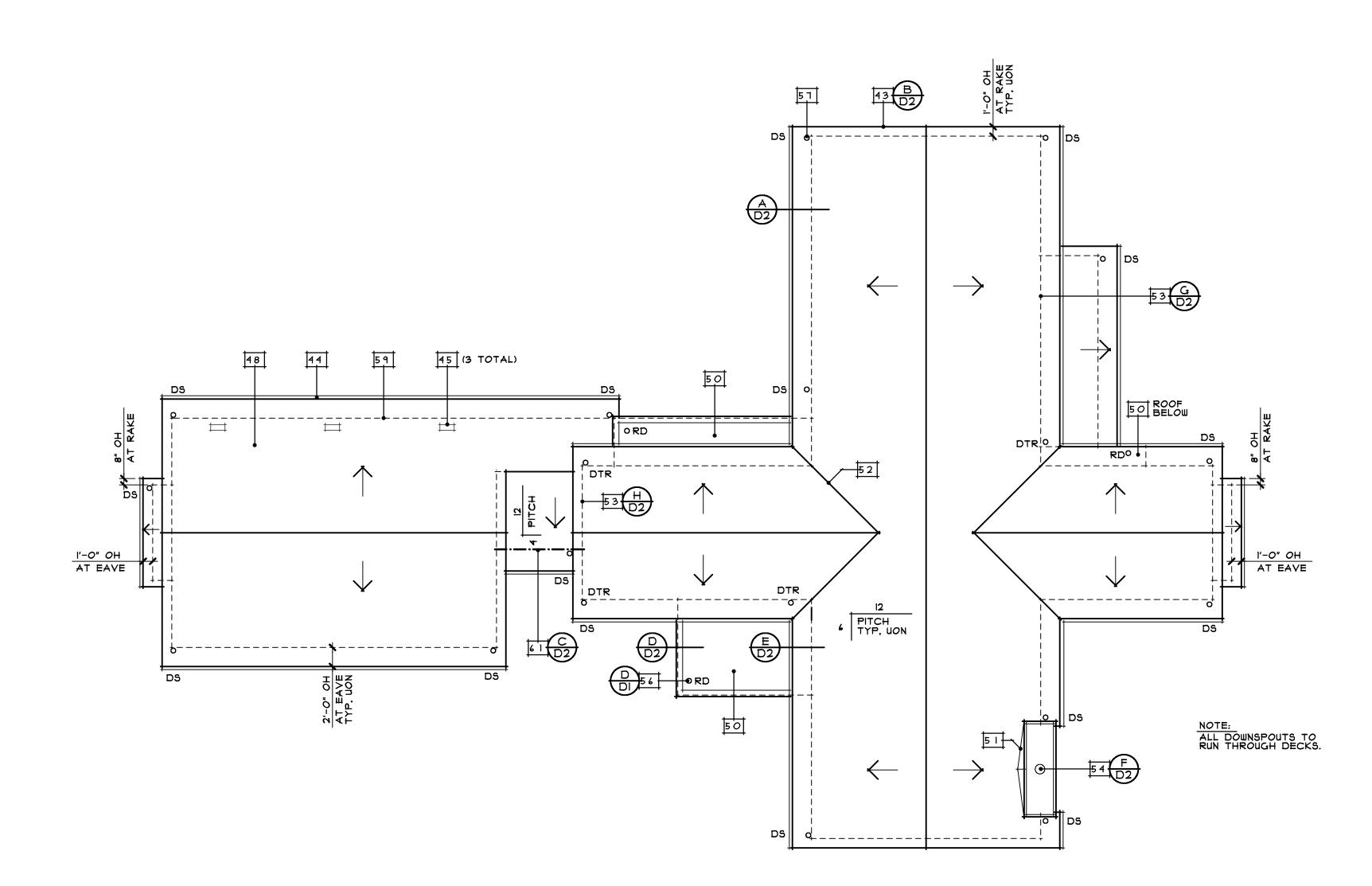
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MARRON ROAD VENTURES, LLC.

3957 RINCON RIDGE DRIVE SANTA ROSA, CA

NOT	ES	FIRE CODE	OWNER	PROJECT DATA	SHEET INDEX
GENERAL NOTES:	PLUMBING NOTES:	WILDLAND-URBAN INTERFACE REQUIREMENTS:	MARRON ROAD VENTURES, LLC	DECORIDEION	ARCHITECT'S DRAWINGS
I. COMPLY WITH ALL PROVISIONS OF THE 2016 CBC. CRC. CPC. CMC. CEC. TITLE 24. CALIFORNIA GREEN BUILDING STANDARDS CODE AND ALL LOCAL CODE AND ORDINANCES. THESE PLANS ARE NOT INTENDED TO SHOW THE METHOD AND MEANS OF EXECUTION OF THE WORK WHICH IS THE RESPONSIBILITY OF THE GENERAL	I. PROVIDE A NON-REMOVABLE BACKFLOW PREVENTION DEVICE OR VACUUM BREAKER DEVICE ON ALL EXTERIOR HOSE BIBBS, AND LAWN SPRINKLER/IRRIGATION SYSTEMS AS	ALL PROPOSED CONSTRUCTION SHALL MEET THE REQUIREMENTS OF CRC SECTION R331 FOR WILDLAND-URBAN INTERFACE AREAS AS DESCRIBED BELOW:	C/O: JIM FRANKLIN	DESCRIPTION:	CS COVER SHEET
EXECUTION OF THE WORK WHICH IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.	REQUIRED BY CPC SECTION 403.4.4 2. PROVIDE SHOWERS AND TUB-SHOWER COMBINATIONS WITH INDIVIDUAL CONTROL VALVES OF THE PRESSURE BALANCE. THERMOSTATIC OR COMBINATION PRESSURE		P.O. BOX 1156 FOLSOM, CA 95763	TWO STORY, 4 BEDROOM, 4.5 BATH SINGLE FAMILY DWELLING WITH FLEX/GAME ROOM, AND ATTACHED	I FRONT ELEVATION AND ROOF PLAN
EXECUTION OF THE WORK WHICH IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. 3. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO ENSURE FULL COMPLIANCE WITH ALL APPLICABLE CODES AND ORDINANCES. 4. ALL SUBCONTRACTORS SHALL BID AND PERFORM THEIR WORK BASED ON THE COMPLETE SET OF PLANS. IT IS THE RESPONSIBILITY OF THE SUBCONTRACTOR TO NOTIFY THE GENERAL CONTRACTOR OF ANY POSSIBLE CONFLICTS BETWEEN PORTIONS OF THE DRAWINGS AND/OR SPECIFICATIONS. 5. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO REVIEW AND FAMILIARIZE HIMSELF WITH THE DRAWINGS, SPECIFICATIONS AND SITE CONDITIONS PRIOR TO STARTING CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO CONTACT THE ARCHITECT, PRIOR TO PERFORMANCE, IF ANY CONFLICTS EXIST BETWEEN ANY PORTION OF THE DRAWINGS, SPECIFICATIONS AND/OR SITE CONDITIONS.	BALANCE/THERMOSTATIC MIXING VALVE TYPE, CONFORMING TO ASSE 1016. INSTALLER SHALL ADJUST SUCH VALVES PER MANUFACTURES'S INSTRUCTIONS TO DELIVER A MAXIMUM MIXED WATER SETTING OF 120 DEGREES 5 CRC 408.3	ROOF COVERINGS, VALLEYS AND GUTTERS: ROOF COVERINGS SHALL BE CLASS 'A' PER CITY OF SANTA ROSA CODE. WHERE THE ROOF PROFILE ALLOWS A SPACE BETWEEN THE ROOF COVERING AND ROOF DECKING, THE SPACES SHALL BE CONSTRUCTED TO PREVENT THE INTRUSION OF FLAMES AND EMBERS, BE FIRESTOPPED WITH APPROVED MATERIALS, OR HAVE ONE LAYER OF MIN. 12 POUND (32.4 KG) MINERAL-SURFACED NONPERFORATED CAP SHEET COMPLYING WITH ASTM D 3909 INSTALLED OVER COMBUSTIBLE DECKING (R327.5.2). VALLEY FLASHING SHALL BE NOT LESS THAN NO. 26 GAUGE CORROSION-RESISTANT SHEET METAL INSTALLED OVER NOT LESS THAN ONE LAYER OF MIN 36" WIDE UNDERLAYMENT CONSISTING OF ONE LAYER OF NO. 12 MINERAL-SURFACED CAP SHEET COMPLYING WITH ASTM D 3909 AND RUNNING THE FULL LENGTH OF THE VALLEY (R327.5.3). ROOF GUTTERS SHALL BE PROVIDED WITH THE MEANS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS IN THE GUTTER (R327.5.4)	(916) 826-5203	LOWER LEVEL 3-CAR GARAGE.	2 SIDE AND REAR ELEVATIONS
TO NOTIFY THE GENERAL CONTRACTOR OF ANY POSSIBLE CONFLICTS BETWEEN PORTIONS OF THE DELENHANCE AND FOR SPECIFICATIONS.	3. SHOWER RECEPTORS (OTHER THAN TUBS) SHALL BE OF AN APPROVED TYPE AND CONFORM TO CPC SECTION 408. IF SHOWER RECEPTOR IS CONSTRUCTED ON-SITE IT SHALL BE CONSTRUCTED TO CONFORM TO CPC SECTION 408.7	NONPERFORATED CAP SHEET COMPLYING WITH ASTM D 3909 INSTALLED OVER COMBUSTIBLE DECKING (R327.5.2). VALLEY FLASHING SHALL BE NOT LESS THAN NO. 26 GAUGE CORROSION-RESISTANT SHEET METAL INSTALLED OVER NOT LESS THAN ACCURATE THE CORROSION-RESISTANT SHEET METAL INSTALLED OVER NOT LESS THAN 100 THE PARTY OF THE CORROSION OF THE PARTY OF THE CORROSION OF THE PARTY OF THE CORROSION OF T		4	3 LOWER FLOOR PLAN
FAMILIARIZE HIMSELF WITH THE DRAWINGS, SPECIFICATIONS AND SITE CONDITIONS PRIOR TO STARTING CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE GENERAL	4. SHOWER STALL DESIGN - POSITION SHOWER CONTROL VALVES SO THAT THE BATHER CAN ADJUST THE VALVES WITHOUT STEPPING INTO THE SHOWER SPRAY.	WIDE UNDERLAYMENT CONSISTING OF ONE LAYER OF NO. 12 MINERAL-SURFACED CAP SHEET COMPLYING WITH ASTM D 3909 AND RUNNING THE FULL LENGTH OF THE VALLEY (R321.5.3). ROOF GUTTERS SHALL BE PROVIDED WITH THE MEANS TO BEYONT THE TOTAL COMPLYING THE FULL LENGTH OF THE VALLEY (R321.5.3). ROOF	\ D \ + \ +		4 UPPER FLOOR PLAN
CONTRACTOR TO CONTACT THE ARCHITECT, PRIOR TO PERFORMANCE, IF ANY CONFLICTS EXIST BETWEEN ANY PORTION OF THE DRAWINGS, SPECIFICATIONS AND/OR SITE CONDITIONS.	DISHWASHER PER CPC 609.10. 6. ALL UNDERGROUND COPPER PIPELINES TO BE SCHEDULE "L" WITH NO JOINTS.	AND DEBRIS IN THE GUTTER (R321.5.4)	ARCHITECT	ASSESSOR'S PARCEL NUMBER: 173-490-048	5 GARAGE LEVEL PLAN
AND/OR SITE CONDITIONS. DRAWINGS ARE NOT TO BE SCALED, ALL WORK SHALL BE GOVERNED BY THE DIMENSIONS ON THE DRAWINGS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. ALL DIMENSIONS RELATED TO EXISTING CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR. DETAILS NOT SPECIFICALLY SHOWN SHALL BE THE SAME NATURE AS SIMILAR CONDITIONS.	1. PROVIDE A NON-REMOVABLE BACKFLOW PREVENTION DEVICE OR VACUUM BREAKER DEVICE ON ALL EXTERIOR HOSE BIBBS, AND LAWN SPRINKLER/IRRIGATION SYSTEMS AS REQUIRED BY CPC SECTION 603.4.6 2. PROVIDE SHOWERS AND TUB-SHOWER COMBINATIONS WITH INDIVIDUAL CONTROL VALVES OF THE PRESSURE BALANCE, THERMOSTATIC, OR COMBINATION PRESSURE BALANCE/THERMOSTATIC MIXING VALVE TYPE, CONFORMING TO ASSE IOLS. INSTALLER SHALL ADJUST SUCH VALVES PER MANUFACTURES'S INSTRUCTIONS TO DELIVER A MAXIMUM MIXED WATER SETTING OF 120 DEGREES F, CPC 408.3 3. SHOWER RECEPTORS (OTHER THAN TUBS) SHALL BE OF AN APPROVED TYPE AND CONFORM TO CPC SECTION 408.1 SHOWER STALL DESIGN - POSITION SHOWER RECEPTOR IS CONSTRUCTED ON-SITE IT SHALL BE CONSTRUCTED TO CONFORM TO CPC SECTION 408.1. 4. SHOWER STALL DESIGN - POSITION SHOWER CONTROL VALVES SO THAT THE BATHER CAN ADJUST THE VALVES WITHOUT STEPPING INTO THE SHOWER SPRAY. 5. WATER HAMMER CONTROL SHALL BE PROVIDED AT CLOTHES WASHER AND DISHWASHER PER CPC 609.10. 6. ALL UNDERGROUND COPPER PIPELINES TO BE SCHEDULE "L" WITH NO JOINTS. 7. THE MINIMUM WIDTH REQUIREMENT FOR INSTALLATION OF WATER CLOSETS PER SECTION 402.5 OF C.P.C. OR SECTION R301 OF C.R.C. IS IS" FROM ITS CENTER TO ANY SIDE WALL OR OBSTRUCTION, NO CLOSER THAN 30" CENTER TO CENTER TO ANY SIMILAR FIXTURE.	ATTIC AND RAFTER BAY VENTILATION: VENTILATION OPENINGS FOR ENCLOSED ATTICS, ENCLOSED EAVE SOFFIT SPACES, ENCLOSED RAFTER SPACES WHERE CEILINGS ARE APPLIED DIRECTLY TO THE UNDERSIDE OF ROOF RAFTERS, AND UNDERFLOOR VENTILATION OPENINGS SHALL BE FULLY COVERED WITH METAL WIRE MESH, VENTS, OR OTHER DEVICES THAT MEET THE FOLLOWING REQUIREMENTS (R321.6.2): 1. THE DIMENSIONS OF THE OPENINGS THEREIN SHALL BE A MIN. 1/16" AND SHALL NOT EXCEED		ZONING DISTRICT: PD 93-004B-RC	6 LOWER FLOOR ELECTRICAL/MECHANICAL PLAN
CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR. 1. DETAILS NOT SPECIFICALLY SHOWN SHALL BE THE SAME NATURE AS SIMILAR CONDITIONS.	GREEN BUILDING PROGRAM:	MESH, VENTS, OR OTHER DEVICES THAT MEET THE FOLLOWING REQUIREMENTS (R321.6.2): 1. THE DIMENSIONS OF THE OPENINGS THEREIN SHALL BE A MIN. 1/16" AND SHALL NOT EXCEED 1/8"	FARRELL-FABER & ASSOCIATES, INC.	OCCUPANCY CLASSIFICATION: R-3, U	1 UPPER FLOOR ELECTRICAL/MECHANICAL PLAN
CONSTRUCTION NOTES.	I. THIS PROJECT IS SUBJECT TO THE CITY OF SANTA ROSA GREEN BUILDING ORDINANCE AND SHALL COMPLY JUITH THE CITY REVISED 2014 CALGREEN + TIER I CHECKLIST AND	2. THE MATERIALS USED SHALL BE NONCOMBUSTIBLE. 3. THE MATERIALS USED SHALL BE CORROSION-RESISTANT.	416 B STREET, SUITE C		8 GARAGE LEVEL ELECTRICAL/MECHANICAL PLAN
I. ALL STRUCTURAL FASTENING/NAILING NOT SPECIFICALLY CALLED OUT ON PLANS SHALL BE PER 2016 CRC TABLE R602.3(1)	 THIS PROJECT IS SUBJECT TO THE CITY OF SANTA ROSA GREEN BUILDING ORDINANCE AND SHALL COMPLY WITH THE CITY REVISED 2016 CALGREEN + TIER I CHECKLIST AND SELECTED ELECTIVE MEASURES INCLUDED AS PART OF THESE PLANS. ALL SUBCONTRACTORS SHALL COMPLY WITH THE PROJECTS CONSTRUCTION WASTE MANAGEMENT (CWM) PLAN AND SUBCONTRACTOR FOREMAN SHALL SIGN THE CWM PLAN ACKNOWLEDGEMENT SHEET. 		SANTA ROSA, CA 9540 (707) 579-38	(SPRINKLERED)	9 SECTIONS, INTERIOR ELEVATIONS & VENT CALCS
2. ALL DOORS AND WINDOWS ARE TO BE WEATHERSTRIPPED. 3. SEE TITLE 24 ENERGY CALCULATIONS FOR GLAZING AREAS. ALL GLAZING SHALL BE DOUBLE PANE AND LOW-E, UON (EXCEPT AT GARAGE).	ACKNOWLEDGEMENT SHEET.	2. THE ATTIC SPACE BEING VENTILATED IS FULLY PROTECTED BY AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.II OF THE CBC.		FLOOR AREA SUMMARY:	DI ARCHITECTURAL DETAILS
I. ALL STRUCTURAL FASTENING/NAILING NOT SPECIFICALLY CALLED OUT ON PLANS SHALL BE PER 2016 CRC TABLE R602.3(1) 2. ALL DOORS AND WINDOWS ARE TO BE WEATHERSTRIPPED. 3. SEE TITLE 24 ENERGY CALCULATIONS FOR GLAZING AREAS. ALL GLAZING SHALL BE DOUBLE PANE AND LOW-E, UON (EXCEPT AT GARAGE). 4. PROVIDE FIREBLOCKING AT CONCEALED SPACES OF STUD WALLS & PARTITIONS, (INCLUDING FURRED SPACES, STAIR OPENING (IF APPLICABLE), CEILINGS, FLOOR LEVELS & AT 10 FOOT INTERVALS BOTH YERTICAL AND HORIZONTAL). 5. PROVIDE FIREBLOCKING AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCURS AT SOFFITS, DROP CEILINGS AND COVE CEILINGS. 6. PROVIDE FIREBLOCKING IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN. 7. GYP BOARD SHALL BE AS FOLLOWS: A. WALLS & CEILING: FRAMING № 16" OC - 1/2" GYP BOARD B. ENCLOSED USEABLE SPACE UNDER STAIRS - 1/2" GYP BOARD C. GARAGE WALLS & CEILINGS - 1/2" GYP BOARD GARAGE CEILING W/HABITABLE ROOMS ABOVE - 5/8" TYPE "X" GYP BOARD (WAP ALL POSTS & BEAMS, TYPICAL) D. PROVIDE WATER RESISTANT GYPSUM BOARD UNDER TUB & SHOWER ENCLOSURE MATERIALS (OR) APPROVED BACKER BOARD UNDER TUB & SHOWER ENCLOSURE MATERIALS (OR) APPROVED BACKER BOARD UNDER TILE TO A HEIGHT OF 12" MIN. ABOVE FLOOR. INSTALLATION & APPLICATION SHALL COMPLY W/ CRC R102.3.1. IF APPLICABLE, TILE SHALL BE INSTALLED PER THE TILE COUNCIL OF AMERICA STANDARDS (INCLUDING WATER PROOFING WHERE APPLICABLE). E. ALL INTERIOR WALLS & CLIBICS TO BE TAPED & TEXTURED, UON OUTSIDE CORNERS TO BE ROUNDED TO APPROX. 3/4" RADIUS W/ "BEADEX SOFTLINE" CORNERS TO BE ROUNDED TO APPROX. 3/4" RADIUS W/ "BEADEX SOFTLINE" CORNERS TO BE ROUNDED TO APPROX. 3/4" RADIUS W/ "BEADEX SOFTLINE" CORNERS (OR EQUAL).	ILLUMINATED ADDRESS SIGN REQUIREMENTS:	VENTS SHALL NOT BE INSTALLED IN EAVES AND SOFFITS UNLESS ONE OF THE FOLLOWING CONDITIONS ARE MET (R321.6.3): 1. THE EAVE AND CORNICE VENTS RESIST THE INTRUSION OF FLAME AND BURNING EMBERS. 2. THE ATTIC SPACE BEING VENTILATED IS FULLY PROTECTED BY AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.II OF THE CBC. 3. THE EXTERIOR WALL COVERING AND EXPOSED UNDERSIDE OF THE EAVE ARE OF NONCOMBUSTIBLE MATERIAL, OR IGNITION-RESISTANT MATERIALS PER SFM STANDARD 12-1A-5 IGNITION-RESISTANT MATERIAL AND THE VENT IS LOCATED MORE THAN 12 FEET ABOVE GRADE, OR WALKING SURFACE OF A DECK, PORCH, PATIO, OR SIMILAR SURFACE.		LOWER FLOOR LIVING AREA: 2135 SQ FT	D2 ARCHITECTURAL DETAILS
5. PROVIDE FIREBLOCKING AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCURS AT SOFFITS, DROP CEILINGS AND COVE CEILINGS. 6. PROVIDE FIREBLOCKING IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP	ILLUMINATION: I. LIGHT SOURCES USED TO COMPLY W/ THIS SECTION SHALL BE CONTROLLED BY PHOTOELECTRIC DEVICE OR BY A CIRCUIT SUPPLIED BY A HOUSE METER WHICH IS USED TO PROVIDE OTHER REQUIRED LIGHTING DURING HOURS OF DARKNESS. NO SWITCH OR OTHER SIMILAR DEVICE SHALL BE INSTALLED.	OPEN ROOF EAVES:	CONSULTANTS	UPPER FLOOR LIVING AREA: 1843 SQ FT	EN-I TITLE 24 COMPLIANCE REPORT
AND BOTTOM OF THE RUN. 1. GYP BOARD SHALL BE AS FOLLOWS: A. WALLS & CEILING: FRAMING * 14" OC - 1/2" GYP BOARD	BT A HOUSE METER WHICH IS USED TO PROVIDE OTHER REQUIRED LIGHTING DURING HOURS OF DARKNESS. NO SWITCH OR OTHER SIMILAR DEVICE SHALL BE INSTALLED.	OPEN ROOF EAVES: THE EXPOSED ROOF DECK ON THE UNDERSIDE OF UNENCLOSED ROOF EAVES SHALL BE PROTECTED BY NONCOMBUSTIBLE OR IGNITION-RESISTANT MATERIALS, CONSIST OF ONE LAYER OF 5/8" TYPE-X GYPSUM SHEATHING APPLIED BEHIND AN EXTERIOR COVERING ON THE UNDERSIDE OF THE ROOF DECK, OR THE EXTERIOR PORTION OF A 1-HOUR FIRE ASSEMBLY ON THE EXPOSED UNDERSIDE OF THE ROOF DECK DESIGNED FOR EXTERIOR FIRE EXPOSURE		TOTAL LIVING AREA: 4578 SQ FT	CG-I CALGREEN NOTES & TABLES
FRAMING 9 24" OC - 5/8" GYP BOARD B. ENCLOSED USEABLE SPACE UNDER STAIRS - 1/2" GYP BOARD C. GARAGE WALLS & CEILINGS - 1/2" GYP BOARD		UNDERSIDE OF THE ROOF DECK, OR THE EXTERIOR PORTION OF A 1-HOUR FIRE ASSEMBLY ON THE EXPOSED UNDERSIDE OF THE ROOF DECK DESIGNED FOR EXTERIOR FIRE EXPOSURE (R321.1.4).		GARAGE AREA: 832 SQ FT	
GARAGE CEILING W/HABITABLE ROOMS ABOVE - 5/8" TYPE "X" GYP BOARD (WRAP ALL POSTS & BEAMS, TYPICAL) D. PROVIDE WATER RESISTANT GYPSIM BOARD WATER THE A SHOWER THE ASSOCIATION OF THE ASS	2. THE NUMBERS SHALL BE AT A HEIGHT AND LOCATION THAT ENSURES THE ADDRESS IS PLAINLY VISIBLE AND LEGIBLE TO EMERGENCY VEHICLES APPROACHING FROM EITHER DIRECTION ALONG THE STREET OR ROAD FRONTING THE PROPERTY. OTHER CRITERIA:	I HE FOLLOWING MATERIALS DO NOT REQUIRE FIRE PROTECTION: I. SOLID WOOD RAFTER TAILS ON THE UNDERSIDE OF OPEN ROOF EAVES HAVING A MIN. NOMINAL DIMENSION OF 2 INCHES.	STRUCTURAL ENGINEER	COVERED PORCH AREA: 998 SQ FT	
MATERIALS (OR) APPROVED BACKER BOARD UNDER TILE TO A HEIGHT OF 12" MIN. ABOVE FLOOR. INSTALLATION & APPLICATION SHALL COMPLY W/ CRC	OTHER CRITERIA: 3. THE NUMBERS SHALL BE A MINIMUM 4 INCHES IN SIZE AND COLORS OF NUMBERS SHALL CONTRAST THE BUILDING BACKGROUND COLOR.	(R321.1.4). THE FOLLOWING MATERIALS DO NOT REQUIRE FIRE PROTECTION: 1. SOLID WOOD RAFTER TAILS ON THE UNDERSIDE OF OPEN ROOF EAVES HAVING A MIN. NOMINAL DIMENSION OF 2 INCHES. 2. SOLID WOOD BLOCKING INSTALLED BETWEEN RAFTER TAILS ON THE EXPOSED UNDERSIDE OF OPEN ROOF EAVES HAVING A MIN. NOMINAL DIMENSION OF 2 INCHES. 3. GABLE END OVERHANGS AND ROOF ASSEMBLY PROJECTIONS BEYOND AN EXTERIOR WALL OTHER THAN THE LOWER END OF THE RAFTER TAILS. 4. FASCIA AND OTHER ARCHITECTURAL TRIM BOARDS.	JOHNSON, DEBOIS & FORREST 405 WEST COLLEGE AVE.		STRUCTURAL ENGINEER'S DRAWINGS
OF AMERICA STANDARDS (INCLUDING WATERPROOFING WHERE APPLICABLE). E. ALL INTERIOR WALLS & CLGS TO BE TAPED & TEXTURED, UON OUTSIDE CORNERS TO BE POUNDED TO APPEROVE AND		OTHER THAN THE LOWER END OF THE RAFTER TAILS. 4. FASCIA AND OTHER ARCHITECTURAL TRIM BOARDS.	SANTA ROSA, CA 95401		SN GENERAL NOTES
CORNERS TO BE ROUNDED TO APPROX. 3/4" RADIUS W/ "BEADEX SOFTLINE" CORNERS (OR EQUAL). F. ALL GARAGE WALLS & CEILINGS TO BE TEXTURED, U.O.N. ALL INSULATION MATERIAL SHALL HAVE A FLAME SPREAD BATING, NOT TO		TO THE PLAN TO PORT A PRINCE	(101) 575-0911		SI.I FOUNDATION PLAN
F. ALL GARAGE WALLS & CEILINGS TO BE TEXTURED, U.O.N. 8. ALL INSULATION MATERIAL SHALL HAVE A FLAME SPREAD RATING NOT TO EXCEED 25 & A SMOKE DENSITY RATING NOT TO EXCEED 450 9. MAINTAIN 8 INCHES CLEAR FROM LIGHT FIXTURE TO COMBUSTIBLE MATERIALS		EXTERIOR PORCH CEILINGS: THE EXPOSED UNDERSIDE OF EXTERIOR PORCH CEILINGS SHALL BE PROTECTED BY IGNITION-RESISTANT OR NONCOMBUSTIBLE MATERIALS, CONSIST OF 5/8" TYPE-X GYPSUM SHEATHING APPLIED BEHIND THE EXTERIOR COVERING ON THE UNDERSIDE OF THE CEILING, OR THE EXTERIOR PORTION OF A I-HOUR FIRE RESISTIVE EXTERIOR WALL ASSEMBLY APPLIED TO THE UNDERSIDE OF THE CEILING, OR MEET THE PERFORMANCE REQUIREMENTS SET FORTH IN SFM STANDARD 12-1A-3. ARCHITECTURAL TRIM BOARDS DO NOT APPLY (R321.1.6).	CIVIL ENGINEER		⚠ SI.2 MAIN FLOOR FRAMING PLAN
AT ALL WALK-IN CLOSETS. IO. PROVIDE SEISMIC ANCHORAGE OF APPLIANCES PER CMC SECTION 303.4. II. PROVIDE ADEQUATE VOLUME OF OUTSIDE COMBUSTION AIR TO ALL APPLIANCES (PER CMC SECTION 10!)	DEFERRED SUBMITTALSI	STANDARD 12-1A-3. ARCHITECTURAL TRIM BOARDS DO NOT APPLY (R321.1.4). EXTERIOR WALL AND OPENING PROTECTION.	CARLILE MACY IS THIRD ST		SI.3 UPPER FLOOR FRAMING PLAN
AND LIVING AREA SHALL SHALL BE 26 GA MINIMUM PER CRC R302.5.2.		EXTERIOR WALL AND OPENING PROTECTION: EXTERIOR WALLS SHALL BE APPROVED NONCOMBUSTIBLE OR IGNITION-RESISTANT MATERIAL, HEAVY TIMBER, LOG WALL CONSTRUCTION, MEET SFM STANDARD 12-1A-I, INCLUDE ONE LAYER OF 5/8" TYPE-X GYPSUM SHEATHING APPLIED BEHIND THE EXTERIOR COVERING ON THE EXTERIOR OF THE FRAMING, OR THE EXTERIOR PORTION OF A I-HOUR FIRE-RESISTANT ASSEMBLY. EXTERIOR WALL COVERINGS SHALL EXTEND FROM THE TOP OF THE FOUNDATION TO THE ROOF, TERMINATE AT 2" NOMINAL SOLID WOOD BLOCKING BETWEEN RAFTERS AT ALL ROOF OVERHANGS OR EAVE ENCLOSURES (R321.1.3). EXTERIOR WALL VENT OPENINGS SHALL BE PROTECTED BY CORROSION-RESISTANT, NONCOMBUSTIBLE WIRE MESH WITH OPENINGS OF I/8" TO I/4". EXTERIOR WINDOWS, WINDOW WALLS, GLAZED DOORS, AND GLAZED OPENINGS WITHIN EXTERIOR DOORS AND GARAGE DOORS SHALL BE INSULATING-GLASS UNITS WITH A MINIMUM OF ONE TEMPERED PANE, OR GLASS BLOCK UNITS, OR HAVE A FIRE RESISTANCE RATING OF NOT LESS THAN 20 MINUTES (R321.8). EXTERIOR DOOR ASSEMBLIES SHALL BE OF APPROVED NONCOMBUSTIBLE CONSTRUCTION, SOLID WOOD CORE HAVING STILES AND RAILS NOT LESS THAN I 3/8 INCHES THICK WITH INTERIOR FIELD PANEL THICKNESS NOT LESS THAN I I/4" THICK, SHALL HAVE A FIRE RESISTANCE RATING OF NOT LESS THAN 20 MINUTES, OR MEET THE PERFORMANCE REQUIREMENTS OF SFM STANDARD 12-1A-I (R321.8.3). GARAGE VEHICLE DOORS MAY BE NONCOMBUSTIBLE OR FIRE-RETARDANT TREATED WOOD.	SANTA RÓSA, CA 95401 (707) 542-6451		SI.4 ROOF FRAMING PLAN
BATTERY BACK-UP. 14. HOME SECURITY SYSTEMS SHALL COMPLY WITH ALL LOCAL CODES AND ORDINACES.	LETTERS REQUESTING DEFERRALS FOR THE FOLLOWING	OF THE FRAMING, OR THE EXTERIOR PORTION OF A 1-HOUR FIRE-RESISTANT ASSEMBLY. EXTERIOR WALL COVERINGS SHALL EXTEND FROM THE TOP OF THE FOUNDATION TO THE ROOF, TERMINATE AT 2" NOMINAL SOLID IIIOOD BLOCKING BETWEEN BATTERS AT ALL BOOF OVERLANDS.		NORTH	SI STANDARD STRUCTURAL DETAILS
15. ALL SHOWERS AND TUBS SHALL HAVE A PRESSURE BALANCED OR	ITEMS SHALL BE INCLUDED WITH SUBMITTAL PACKAGE TO THE CITY OF SANTA ROSA BUILDING DIVISION:	OR EAVE ENCLOSURES (R321.1.3). EXTERIOR WALL VENT OPENINGS SHALL BE PROTECTED BY CORROSION-RESISTANT, NONCOMBUSTIBLE WIRE MESH WITH OPENINGS OF 1/8" TO 1/4". EXTERIOR WINDOWS WINDOWS WINDOWS WINDOWS WILL SET TO SEE AND CORROSION-RESISTANT.	TITLE 24 & CALGREEN COMPLIANCE CALIFORNIA LIVING & ENERGY	VICINITY MAP	S2 STRUCTURAL DETAILS
METAL STRAPS LOOPED AROUND THE OUTSIDE OF THE CHIMNEY INSTALLATION (NAILED WITH NOT LESS THAN SIX 8d NAILS PER STRAP AT EACH JOIST. 16. PROVIDE BONDING FROM COLD TO HOT WATER PIPING PER CEC ARTICLE 250.	* TRUSS DESIGNS AND CALCULATIONS	GARAGE DOORS SHALL BE INSULATING-GLASS UNITS WITH A MINIMUM OF ONE TEMPERED PANE, OR GLASS BLOCK UNITS, OR HAVE A FIRE RESISTANCE RATING OF NOT LESS THAN 20 MINUTES (RATING DE NOT LESS THAN 20 MINUTES)	3015 DALE COURT CERES, CA 95307 (209) 538-2879	N.T.S.	53 STRUCTURAL DETAILS
18. COMBUSTIBLE MATERIALS SHALL NOT BE PLACED WITHIN 2 INCHES OF FIREPLACE SMOKE CHAMBER, CHIMNEY WALLS OR WITHIN 6 INCHES OF FIREPLACE OPENING. 19. PROVIDE FIREBLOCKING AT THE FOLLOWING OPENINGS: AIR VENTS PIPES DUCTS	* TRUSS DESIGNS AND CALCULATIONS * LANDSCAPE & IRRIGATION DESIGN	CONSTRUCTION, SOLID WOOD CORE HAVING STILES AND RAILS NOT LESS THAN I 3/8 INCHES THICK WITH INTERIOR FIELD PANEL THICKNESS NOT LESS THAN I 1/4" THICK, SHALL HAVE A FIRE	(209) 538-2879		⚠S4 STRUCTURAL DETAILS
CHIMNEYS & ALL OPENINGS WHICH AFFORD A PASSAGE FOR FIRE AT CEILING & FLOOR LEVELS. 20. WALLS, OR PORTIONS THEREOF, RETAINING EARTH & ENCLOSING INTERIOR SPACES &	LANDSCAPE PLANS PER WELO CHAPTER 14-30 ARE DEFERRED. PLANS SHALL BE SUBMITTED AND APPROVED BEFORE SHEETROCK INSPECTION.	REQUIREMENTS OF SFM STANDARD 12-1A-1 (R321.8.3), GARAGE VEHICLE DOORS MAY BE NONCOMBUSTIBLE OR FIRE-RETARDANT TREATED WOOD.	GEOTECHNICAL ENGINEER		
FLOORS BELOW GRADE SHALL BE WATER OR DAMP-PROOFED PER CRC SECTION R406.	DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THEIR DESIGN AND SUBMITTAL BEEN FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN OF	DECKING SURFACES: THE WALKING SURFACE MATERIAL OF DECKS, PORCHES, BALCONIES AND STAIRS WHERE ANY	RGH CONSULTANTS 1305 NORTH DUTTON AVE	Que Equitaingrove Galf Co	CIVIL ENGINEER'S DRAWINGS
22. ATTACHMENT OF CLAY OR CONCRETE TILES (ALSO SEE DETAILS) AS FOLLOWS: a. USE CORROSION-RESISTANT NAILS NOT LESS THAN NO. II GA, 5/16" HEAD. b. FASTENERS SHALL COMPLY WITH THE REQ'S OF CRC SECTION R905.3.4	THE BUILDING. THE SUBMITTAL DOCUMENTS FOR DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE ARCHITECT OR ENGINEER OF RECORD IIIHO SHALL	ONE OF THE FOLLOWING MATERIALS (R321.9.3): I. IGNITION-RESISTANT MATERIAL THAT COMPLIES WITH THE PERFORMANCE REQUIREMENTS OF	SANTA ROSA, CA 95401 (101) 544-1012	& Athletic Glub	CI.O SITE PLAN
C. FASTENERS SHALL BE LONG ENOUGH TO PENETRATE INTO THE BATTENS (THE NOSES OF EAVE COURSE TILES TO BE FASTENED W/ A SPECIAL CLIP) OR SHEATHING 3/4" OR THROUGH THE THICKNESS OF THE SHEATHING. WHICHEVER IS LESS.	REVIEW AND APPROVE THEM. THE DEFERRED SUBMITTAL DOCUMENTS SHALL THEN BE SENT TO THE BUILDING INSPECTOR WITH A NOTATION INDICATING THAT THEY	2. EXTERIOR FIRE-RETARDANT TREATED WOOD OR NONCOMBUSTIBLE MATERIALS. 3. ANY MATERIAL THAT COMPLIES WITH THE PERFORMANCE REQUIREMENTS OF SFM STANDARD	(IO I) 577-IO IZ		
TO MOLD. 22. ATTACHMENT OF CLAY OR CONCRETE TILES (ALSO SEE DETAILS) AS FOLLOWS: a. USE CORROSION-RESISTANT NAILS NOT LESS THAN NO. II GA, 5/16" HEAD. b. FASTENERS SHALL COMPLY WITH THE REQ'S OF CRC SECTION R905.3.6 c. FASTENERS SHALL BE LONG ENOUGH TO PENETRATE INTO THE BATTENS (THE NOSES OF EAVE COURSE TILES TO BE FASTENED W/ A SPECIAL CLIP) OR SHEATHING, 3/4" OR THROUGH THE THICKNESS OF THE SHEATHING, WHICHEVER IS LESS. d. ATTACHING WIRE FOR CLAY OR CONCRETE TILE SHALL NOT BE SMALLER THAN .083 INCH (NO. 14 B.W.GA). e. HORIZONTAL BATTENS ARE REQUIRED ON SOLID SHT'G FOR 1:12 SLOPES AND OVER. f. REMOVE PORTION OF TILE HEAD LUG WHERE TILE RESTS ON METAL FLASHING TO PREVENT WATER DAMMING. g. SET TRIM TILE INTO A CONTINUOUS BEAD OF COLOR-MATCHED MORTAR HELD AWAY FROM RIDGE BOARD h. TRIM TILE COVERS FIELD TILE A MINIMUM OF 3 INCHES. J. MASTIC TILE TO ADJACENT PLACE OF UPPER TILE WHERE REQ'D TO PREVENT TILE SLIPPAGE AROUND PENETRATIONS OR OTHER FLSH'G CONDIITONS. k. WHEN TILES MUST BE CUT TO THE EXTENT THAT ANCHOR LUGS & NAIL HOLES ARE ELIMINATED THE REMAINING PORTION MUST BE SUPPORTED ON AN EVEN PLANE WITH THE FIELD TILES. THE TILES SHOULD BE FASTENED TO THE PREVIOUS COURSE OF TILES WITH ROOF MASTIC.	THE BUILDING. THE SUBMITTAL DOCUMENTS FOR DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE ARCHITECT OR ENGINEER OF RECORD, WHO SHALL REVIEW AND APPROVE THEM. THE DEFERRED SUBMITTAL DOCUMENTS SHALL THEN BE SENT TO THE BUILDING INSPECTOR WITH A NOTATION INDICATING THAT THEY HAVE BEEN REVIEWED AND THAT THEY HAVE BEEN FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THEIR DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING INSPECTOR.	DECKING SURFACES: THE WALKING SURFACE MATERIAL OF DECKS, PORCHES, BALCONIES AND STAIRS WHERE ANY PORTION OF SUCH SURFACE IS WITHIN 10 FEET OF THE BUILDING SHALL BE CONSTRUCTED WITH ONE OF THE FOLLOWING MATERIALS (R321.9.3): 1. IGNITION-RESISTANT MATERIAL THAT COMPLIES WITH THE PERFORMANCE REQUIREMENTS OF BOTH SFM STANDARD 12-1A-4 AND SFM STANDARD 12-1A-5. 2. EXTERIOR FIRE-RETARDANT TREATED WOOD OR NONCOMBUSTIBLE MATERIALS. 3. ANY MATERIAL THAT COMPLIES WITH THE PERFORMANCE REQUIREMENTS OF SFM STANDARD 12-1A-4A. WHEN ATTACHED, THE EXTERIOR WALL COVERING IS ALSO EITHER NONCOMBUSTIBLE OR IGNITION-RESISTANT MATERIAL. WALL MATERIAL MAY BE OF ANY MATERIAL THAT OTHERWISE COMPLIES WITH THIS CHAPTER WHEN THE DECKING SURFACE MATERIAL COMPLIES WITH THE PERFORMANCE REQUIREMENTS ASTM E 84 WITH A CLASS 'B' FLAME SPREAD RATING.		topper Ave	
F. REMOVE PORTION OF TILE HEAD LUG WHERE TILE RESTS ON METAL FLASHING TO PREVENT WATER DAMMING. g. SET TRIM TILE INTO A CONTINUOUS BEAD OF COLOR-MATCHED	HAVE BEEN APPROVED BY THE BUILDING INSPECTOR.	WHEN THE DECKING SURFACE MATERIAL COMPLIES WITH THE PERFORMANCE REQUIREMENTS ASTM E 84 WITH A CLASS 'B' FLAME SPREAD RATING.		HAT THE STATE OF T	
MORTAR HELD AWAY FROM RIDGE BOARD IN TRIM TILE COVERS FIELD TILE A MINIMUM OF 3 INCHES. J. MASTIC TILE TO ADJACENT PLACE OF UPPER TILE INHERE REO'D TO PREVENT THE		APPENDAGES AND UNDERFLOOR PROTECTION: THE UNDERSIDE OF CANTILEVERED AND OVERHANGING APPENDAGES AND FLOOR PROJECTIONS SHALL MAINTAIN THE IGNITION RESISTANT INTEGRITY OF EXTERIOR WALLS, OR THE PROJECTION SHALL BE ENCLOSED TO GRADE (R327.7.7-9). THE UNDERFLOOR ASSEMBLY SHALL BE OF NONCOMBUSTIBLE OR IGNITION-RESISTANT MATERIALS, ONE LAYER OF 5/8" TYPE-X GYPSUM SHEATHING APPLIED BEHIND AN EXTERIOR COVERING, THE EXTERIOR PORTION OF A I-HOUR FIRE RESISTIVE EXTERIOR WALL ASSEMBLY, OR MEET THE PERFORMANCE CRITERIA IN ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN SFM STANDARD 12-1A-3. ARCHITECTURAL TRIM BOARDS, HEAVY TIMBER STRUCTURAL COLUMNS AND BEAMS DO NOT REQUIRE PROTECTION (R327.7.7-9).		Se Cointaine Coi	
SLIPPAGE AROUND PENETRATIONS OR OTHER FLSH'G CONDITIONS. K. WHEN TILES MUST BE CUT TO THE EXTENT THAT ANCHOR LUGS & NAIL HOLES ARE ELIMINATED THE REMAINING PORTION MIST BE SUPPORTED ON AN EVEN DI AME WITTED	CODE ANALYSIS	SHALL BE ENCLOSED TO GRADE (R327.7.7-9). THE UNDERFLOOR ASSEMBLY SHALL BE OF NONCOMBUSTIBLE OR IGNITION-RESISTANT MATERIALS, ONE LAYER OF 5/8" TYPE-X GYPSUM SHEATHING APPLIED BEHIND AN EXTERIOR COVERING. THE EXTERIOR PORTION OF A 1-HOUR FIRE		5 putted Biombanish and	
THE FIELD TILES. THE TILES SHOULD BE FASTENED TO THE PREVIOUS COURSE OF TILES WITH ROOF MASTIC.	•	RESISTIVE EXTERIOR WALL ASSEMBLY, OR MEET THE PERFORMANCE CRITERIA IN ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN SFM STANDARD 12-TA-3, ARCHITECTURAL TRIM BOARDS, HEAVY TIMBER STRUCTURAL COLUMNS AND BEAMS DO NOT REQUIRE PROTECTION		Purely Creek	
EAVE AND RIDGE TILES. (THIS WILL IMPROVE THE PERFORMANCE OF THE TILE ASSEMBLY AND INCREASE RESISTANCE TO WATER INTRUSION FROM WIND DRIVEN BAIN THAT COULD BEACH THE INDEBLAYMENTS.				Charles M. Schulz Museum and Research	Ţ
n. PROVIDE DOUBLE UNDERLAYMENT FOR ROOFS WITH A SLOPE LESS THAN 4:12 PER CRC SECTION R905.2.2.	CALIFORNIA BUILDING CODE, 2016 CALIFORNIA BUILDING CODE, 2016	SHALL BE IN COMPLIANCE WITH THE 2016 CFC SECTION 4906 INCLUDING PUBLIC RESOURCES CODE SECTION 4291 AND THE CITY OF SANTA ROSA FIRE SAFE LANDSCAPING STANDARDS PRIOR TO BUILDING PUBLIC PUBLIC STANDARDS PRIOR TO BUILDING PUBLIC P		W Saide Ln Santa Rosa Junior College	Ţ
UNDERLAYMENT MATERIAL SHALL COMPLY WITH C.R.C. SECTION R905. 24. ALL BEDROOMS, BASEMENTS OR ROOMS USED FOR SLEEPING SHALL HAVE EMERGENCY PERCURE HINDONIS OR DOORS (CROCOTOL) OF STREET	CALIFORNIA PLUMBING CODE, 2016 CALIFORNIA MECHANICAL CODE, 2016	VEGETATION MANAGEMENT PRIOR TO BUILDING DEPARTMENT FINAL INSPECTION SHALL BE IN COMPLIANCE WITH THE 2016 CFC SECTION 4906 INCLUDING PUBLIC RESOURCES CODE SECTION 4291 AND THE CITY OF SANTA ROSA FIRE SAFE LANDSCAPING STANDARDS. PRIOR TO BUILDING FINAL, A DEFENSIBLE SPACE OF NOT LESS THAN 100 FEET FROM EACH SIDE AND FROM THE FRONT AND REAR OF THE STRUCTURE SHALL BE IN PLACE. STEPS SHALL BE TAKEN TO MINIMIZE EROSION. ALL PORTIONS OF TREES THAT EXTEND WITHIN 10' OF CHIMNEYS OR STOVEPIPES SHALL BE REMOVED. DEAD OR DYING TREES AND VEGETATION WITHIN 30' OF THE BUILDING SHALL BE COMPLETELY REMOVED. THE ROOF, DECKS, PORCHES AND SURROUNDING GRADE SURFACES WITH 30' OF THE BUILDING SHALL BE FREE OF NEEDLES, LEAVES AND OTHER VEGETATIVE MATERIALS. THE PRESENCE OF LADDER FUELS SHALL BE ELIMINATED WITHIN 30' OF THE BUILDING, WITHIN 100' OF THE BUILDING, THE DENSITY OF BRUSH AND SHRUBS SHALL BE REDUCED SO THAT A 10' DISTANCE IN BETWEEN ALL BRUSH AND SHRUBS EXISTS.	SEPARATE PERMIT		
ON FLOOR PLANS SHALL COMPLY WITH THE FOLLOWING CODE REQ'S: a) SHALL HAVE A MIN NET CLEAR OPENING OF 5.7 SQ. FT. (GRADE FLOOR OPENINGS SHALL HAVE A	CALIFORNIA ELECTRICAL CODE, 2016	STOVEPIPES SHALL BE REMOVED, DEAD OR DYING TREES AND VEGETATION WITHIN 30' OF THE BUILDING SHALL BE COMPLETELY REMOVED. THE ROOF,		Traville Rd Howarth Park	
THE FIELD TILES. THE TILES SHOULD BE FASTENED TO THE PREVIOUS COURSE OF TILES WITH ROOF MASTIC. M. MAX. TILE EXPOSURE OF 14 INCHES AT ALL FIELD, EAVE AND RIDGE TILES. (THIS WILL IMPROVE THE PERFORMANCE OF THE TILE ASSEMBLY AND INCREASE RESISTANCE TO WATER INTRUSION FROM WIND DRIVEN RAIN THAT COULD REACH THE UNDERLAYMENT). N. PROVIDE DOUBLE UNDERLAYMENT FOR ROOFS WITH A SLOPE LESS THAN 4:12 PER CRC SECTION R905.2.2. 23. IS# FELT UNDERLAYMENT FOR ROOF COVERING MATERIAL SPECIFIED ON DRAWING. ALL UNDERLAYMENT MATERIAL SHALL COMPLY WITH C.R.C. SECTION R905. 24. ALL BEDROOMS, BASEMENTS OR ROOMS USED FOR SLEEPING SHALL HAVE EMERGENCY RESCUE WINDOWS OR DOORS (CRC SECTION 3/O) ALL WINDOWS TO BE LABELED "EGRESS" ON FLOOR PLANS SHALL COMPLY WITH THE FOLLOWING CODE REQ'S: a) SHALL HAVE A MIN NET CLEAR OPENING OF 5.7 SQ. FT. (GRADE FLOOR OPENINGS SHALL HAVE A MIN NET CLEAR OPENING OF 5.0 SQ. FT.); b) SHALL HAVE A NET CLEAR OPENING WIDTH OF 20". c) SHALL HAVE A MIN NET CLEAR OPENING HEIGHT OF 24"; d) SHALL HAVE A CLEAR OPENING HEIGHT NOT MORE THAN 44" ABOVE THE FINISH FLOOR. 25. ALL EXHAUST AND INTAKE OPENINGS TERMINATING OUTDOORS SHALL BE PROTECTED WITH CORROSION-RESISTANT SCREENS, LOUVERS, OR GRILLES WITH OPENINGS OF A I/4" - I/2" IN ANY DIMENSION PER CRC SECTION R303.4. 26. EGRESS DOORS SHALL BE OPENABLE FROM INSIDE THE DWELLING WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT PER CRC SECTION R311.2. 27. ALL REGULATIONS, 2016 APPLIANCE EFFICIENCY REGULATIONS.	CALIFORNIA ENERGY STANDARDS CODE, 2016 CALIFORNIA FIRE CODE, 2016	BUILDING SHALL BE FREE OF NEEDLES, LEAVES AND OTHER VEGETATIVE MATERIALS. THE PRESENCE OF LADDER FUELS SHALL BE ELIMINATED WITHIN 30'		To Se	
25. ALL EXHAUST AND INTAKE OPENINGS TERMINATING OUTDOORS SHALL BE PROTECTED WITH CORROSION-RESISTANT SCREENS, LOUVERS, OR GRILLES WITH OPENINGS OF A 1/4" - 1/2" IN ANY DIMENSION PER CRC SECTION R303.4.	CALIFORINA GREEN BUILDING STANDARDS CODE, 2016,	OF THE BUILDING, WITHIN 100' OF THE BUILDING, THE DENSITY OF BRUSH AND SHRUBS SHALL BE REDUCED SO THAT A 10' DISTANCE IN BETWEEN ALL BRUSH AND SHRUBS EXISTS.	* SPRINKLER DESIGNS AND CALCULATIONS	Collage Ave	
26. EGRESS DOORS SHALL BE OPENABLE FROM INSIDE THE DWELLING WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT PER CRC SECTION R3II.2. 21. ALL REGULATED APPLIANCES SHALL COMPLY WITH TITLE 12 CALIFORNIA CODE OF	INCLUDING TIER I LEVEL VOLUNTARY MEASURES			CALITA DOCA CALIFORNIA	Ţ
REGULATIONS, 2016 APPLIANCE EFFICIENCY REGULATIONS.	`	1	•	SANTA ROSA, CALIFORNIA	· ·





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

ELEVATION NOTES

- HARDIE V-GROOVE SIDING PER MFR'S SPECS OVER
 APPROVED BUILDING PAPER & STRUCTURAL SHEATHING PER
 SHEAR WALL SCHEDULE "4/SI" (6A) U.O.N.
 STUCCO EXTERIOR: MIN. 1/8" W/(3) COATS O/ MTL. LATH &
 (2) LAYERS OF GRADE D BUILDING PAPER OVER STRUCTURAL
 SHEATHING PER SHEAR WALL SCHEDULE "4/SI" (6A) U.O.N.
 PROVIDE 26 GA. G.S.M. WEEP SCREED PER DETATL.
 ADHERED STONE VENEER AT AREAS INDICATED APPLIED USING
 TYPE N OR S MORTAR OVER A 1/2 INCH SCRATCH COAT OVER
 METAL LATH OVER BUILDING PAPER PER CBC SECTION 2510 4 METAL LATH OVER BUILDING PAPER PER CBC SECTION 2510.6 AND STRUCTURAL SHEATHING PER SHEAR WALL SCHEDULE

 "4/SI" (6A) U.O. N. LATH IS ATTACHED TO THE SUPPORTING STUDS

 USING GALVANIZED FURRING NAILS SPACED 6 INCHES O.C. THE

 SCRATCH COAT MUST BE ALLOWED TO CURE NOT LESS THAN 48

 HOURS BEFORE APPLYING THE VENEER. SEE ADHERED STONE VENEER NOTES ON COVERSHEET, MFR'S SPECIFICATIONS AND ICC REPORT ESR-1215 FOR ADDITIONAL APPLICATION INSTRUCTIONS.

 (SHEATHING BENEATH STONE VENEER SHALL BE LOUISIANA PACIFIC "LP SMARTSIDE PRECISION SERIES" EXTERIOR PANEL SIDING IN COMPLIANCE WITH SFM LISTING 8140-2021: 0002
- OR SIMILAR).
- 12. PRECAST STONE HEADER. SEE DETAIL.
 13. 2 X 6 HEADER TRIM, (U.O.N.)
 14. 2 X 4 TRIM DOORS & WINDOWS W/STUCCO OVER AT NON-RECESSED CONDITIONS. SEE PLAN FOR LOCATIONS.
 18. 2 X 4 HORIZONTAL BAND.
- 19. 2 X 6 HORIZONTAL BAND. 20. 2 X 6 HORIZONTAL BAND W/ 2 X 3 CAP. 22. PREFAB METAL C-CHANNEL. 23. TEMPERED GLASS PANEL RAILING. SEE DETAIL.
- 24. PRECAST STONE TRIM. 25. PRECAST STONE CAP.
- 26. METAL SECTIONAL GARAGE DOOR WITH TEMPERED FROSTED GLASS. 29. MILGARD ESSENCE FIBERGLASS-CLAD FRAME WINDOWS WITH
- TRUE DIVIDED LIGHTS. MINIMUM ONE TEMPERED PANE, TYP AT ALL GLAZING.
- 34. SLOPED STONE SILL. SEE DETAIL.
 31. PRE-FAB LOUVERED ATTIC VENT PER ATTIC VENT SCHEDULE.
 COVERED WITH NON-COMBUSTIBLE CORROSION RESISTANT WIRE
 MESH. MAXIMUM 1/8" OPENINGS OR PER CRC R321.6.2.
 38. FALSE PRE-FAB LOUVERED ATTIC VENT. INSTALL PLYWOOD BACK.

- 39. TILE PORCH & STEPS. 40. CONCRETE PORCH.
- 41. CONCRETE STOOP. 43. 2 X 8 BARGE RAFTER W/ I X 3 SHINGLE MOLD OVER.

 44. GSM "PROFILE" GUTTER OVER 2 X 8 FASCIA BOARD. INCLUDE
 DEBRIS GUARD PER WILDLAND URBAN INTERFACE REQUIREMENTS. VULCAN VENT LOW PROFILE DORMER VENT.
 SEE VENT SCHEDULE.
- 48. NO. 30 (MIN.) STANDING SEAMED ROOF. (CORROSION RESISTANT) APPLY PER MFR. SPECS.
- 50. FLAT ROOF W/ FLEXIBLE HOT-MOPPED WATERPROOF MEMBRANE (INSTALL PER MANUFACTURER'S SPEC'S. SLOPE TO DRAIN.
 51. 26 GA GSM BUILT-UP CRICKET. SLOPE TO DRAINS. 51. 26 GA GSH BUTLITUT CRICKLI. SLOTE TO DRAINS.

 52. 26 GA GSM FLASHING OVALLEYS WITH UNDERLAYMENT PER WILDLAND URBAN INTERFACE REQUIREMENTS.

 53. 26 GA GSM FLASHING WALLS ABOVE ROOF. SEE DETAIL.

 54. GAS VENT TERMINATION. REFER TO MERS. GAS VENT
- TERMINATION TABLE FOR VENT DISTANCE BEYOND WALL. PROVIDE FLASHING & INSTALL PER MFR. SPECS.
 55. DECORATIVE GSM CHIMNEY CAP. 56. ROOF DRAIN AND OVERFLOW. CONNECT TO CLOSED CONDUITS
- AT DOWNSPOUT DRAIN SYSTEM. 51. 3" DIAMETER GSM DOWNSPOUT TYP. CONNECT ALL DOWNSPOUTS TO CLOSED CONDUITS DISCHARGING 9 EROSION RESISTANT AREA AWAY FROM STRUCTURE.
- 59. LINE OF WALLS BELOW. 61. BEAM PER PLAN. SEE STRUCTURAL DRAWINGS.
- 63. DECORATIVE STEEL COLUMN.

 10. FOUNDATION VENT. SEE VENT SCHEDULE AND ELECT/MECH PLAN.

 COVERED WITH NON-COMBUSTIBLE CORROSION RESISTANT WIRE

 MESH. MINIMUM 1/16" TO MAXIMUM 1/8" OPENINGS. 13. STONE VENEER PLANTER W/ PRECAST STONE CAP.
- NOTE: ALL EXTERIOR TRIM TO BE WOOD U.O.N.
- NOTE: ALL EXTERIOR SIDING AND TRIM TO BE SMOOTH U. O. N. NOTE: DIVERT PLUMBING VENTS, ROOF VENTS, SOLAR TUBES AND OTHER ROOF PENETRATIONS TO BACK SIDE OF RIDGE
- WHEREVER POSSIBLE. NOTE: COMPLY WITH WUI REQUIREMENTS FOR ALL EXTERIOR ASSEMBLIES. SEE COVERSHEET FOR NOTES.

FINISH S	CHEDULE
LOCATION	COLOR
STANDING SEAM ROOF:	TAYLOR METAL KYNAR 500 "VINTAGE"
V-GROOVE SIDING:	BENJAMIN MOORE "SIMPLY WHITE" OC-117
STUCCO SIDING:	BENJAMIN MOORE "SIMPLY WHITE" OC-117
STONE VENEER:	ELDORADO STONE LIMESTONE "AUSTIN CREAM"
STONE TRIM:	VERISTONE "LINEN" HONED FINISH
WINDOWS:	MILGARD ESSENCE TWILIGHT (OR EQUAL)

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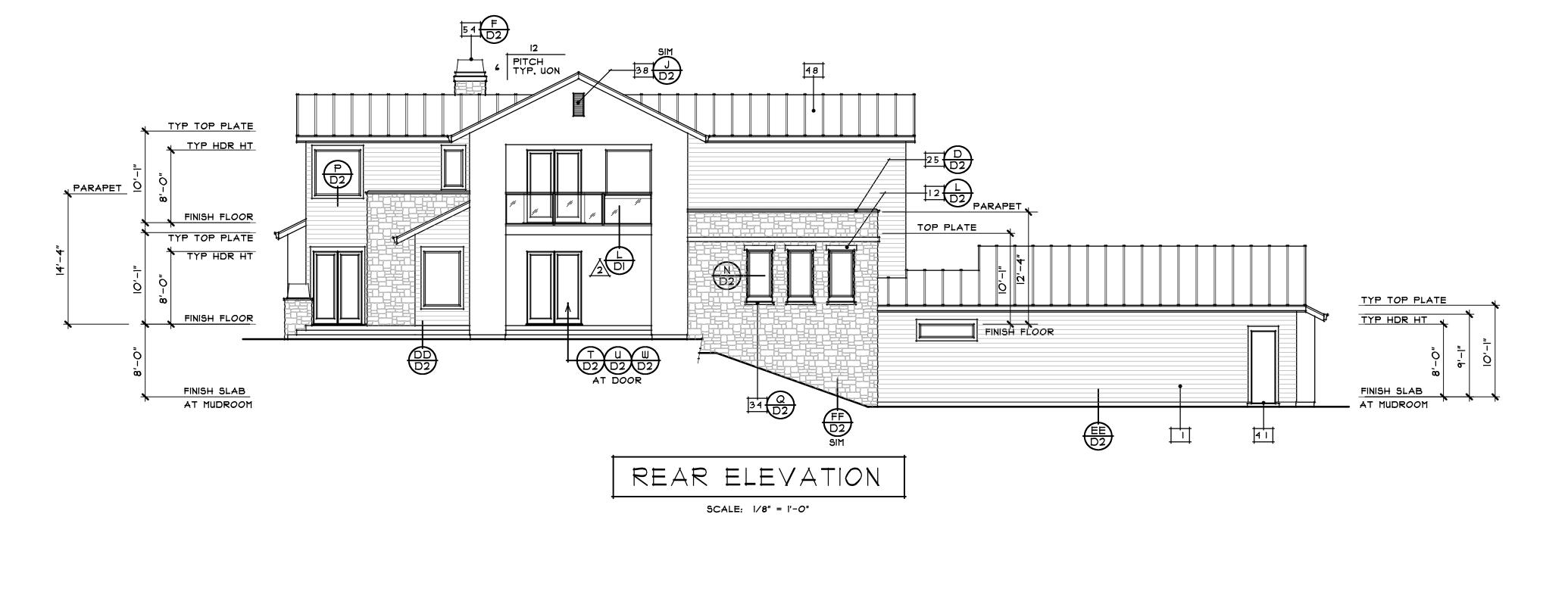
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ELEVATION NOTES

- HARDIE V-GROOVE SIDING PER MFR'S SPECS OVER
 APPROVED BUILDING PAPER & STRUCTURAL SHEATHING PER
 SHEAR WALL SCHEDULE "4/SI" (6A) U.O.N.
 STUCCO EXTERIOR: MIN. 1/8" W/(3) COATS O/ MTL. LATH &
 (2) LAYERS OF GRADE D BUILDING PAPER OVER STRUCTURAL
 SHEATHING PER SHEAR WALL SCHEDULE "4/SI" (6A) U.O.N.
 PROVIDE 26 GA. G.S.M. WEEP SCREED PER DETAIL.
- 9. ADHERED STONE VENEER AT AREAS INDICATED APPLIED USING TYPE N OR S MORTAR OVER A 1/2 INCH SCRATCH COAT OVER METAL LATH OVER BUILDING PAPER PER CBC SECTION 2510.6 AND STRUCTURAL SHEATHING PER SHEAR WALL SCHEDULE

 "4/SI" (6A)U.O.N. LATH IS ATTACHED TO THE SUPPORTING STUDS
 USING GALVANIZED FURRING NAILS SPACED 6 INCHES O.C. THE
 SCRATCH COAT MUST BE ALLOWED TO CURE NOT LESS THAN 48
 HOURS BEFORE APPLYING THE VENEER. SEE ADHERED STONE VENEER NOTES ON COVERSHEET, MFR'S SPECIFICATIONS AND ICC REPORT ESR-1215 FOR ADDITIONAL APPLICATION INSTRUCTIONS.
 (SHEATHING BENEATH STONE VENEER SHALL BE LOUISIANA PACIFIC "LP SMARTSIDE PRECISION SERIES" EXTERIOR PANEL
- SIDING IN COMPLIANCE WITH SFM LISTING 8140-2021: 0002 OR SIMILAR). 12. PRECAST STONE HEADER. SEE DETAIL. 13. 2 X 6 HEADER TRIM, (U.O.N.)
- 14. 2 X 4 TRIM DOORS & WINDOWS W/STUCCO OVER AT NON-RECESSED CONDITIONS. SEE PLAN FOR LOCATIONS.
 18. 2 X 4 HORIZONTAL BAND. 19. 2 X 6 HORIZONTAL BAND. 20. 2 X 6 HORIZONTAL BAND W/ 2 X 3 CAP.
- 22. PREFAB METAL C-CHANNEL. 23. TEMPERED GLASS PANEL RAILING. SEE DETAIL. 24. PRECAST STONE TRIM. 25. PRECAST STONE CAP.
- 26. METAL SECTIONAL GARAGE DOOR WITH TEMPERED FROSTED GLASS. 29. MILGARD ESSENCE FIBERGLASS-CLAD FRAME WINDOWS WITH TRUE DIVIDED LIGHTS.
- MINIMUM ONE TEMPERED PANE, TYP AT ALL GLAZING. 34. SLOPED STONE SILL. SEE DETAIL.
 31. PRE-FAB LOUVERED ATTIC VENT PER ATTIC VENT SCHEDULE.
 COVERED WITH NON-COMBUSTIBLE CORROSION RESISTANT WIRE
 MESH. MAXIMUM 1/8" OPENINGS OR PER CRC R321.6.2.
 38. FALSE PRE-FAB LOUVERED ATTIC VENT. INSTALL PLYWOOD BACK.

- 39. TILE PORCH & STEPS. 40. CONCRETE PORCH.
- 41. CONCRETE STOOP. 43. 2 X 8 BARGE RAFTER W/ 1 X 3 SHINGLE MOLD OVER. 44. GSM "PROFILE" GUTTER OVER 2 X 8 FASCIA BOARD. INCLUDE DEBRIS GUARD PER WILDLAND URBAN INTERFACE REQUIREMENTS. 15. VULCAN VENT LOW PROFILE DORMER VENT. SEE VENT SCHEDULE.
- 48. NO. 30 (MIN.) STANDING SEAMED ROOF. (CORROSION RESISTANT) APPLY PER MFR. SPECS. 50. FLAT ROOF W/ FLEXIBLE HOT-MOPPED WATERPROOF MEMBRANE (INSTALL PER MANUFACTURER'S SPEC'S. SLOPE TO DRAIN.
 51. 26 GA GSM BUILT-UP CRICKET. SLOPE TO DRAINS. 52. 26 GA GSM FLASHING @ VALLEYS WITH UNDERLAYMENT PER
- WILDLAND URBAN INTERFACE REQUIREMENTS. 53. 26 GA GSM FLASHING WALLS ABOVE ROOF. SEE DETAIL. 54. GAS VENT TERMINATION. REFER TO MFRS. GAS VENT TERMINATION TABLE FOR VENT DISTANCE BEYOND WALL. PROVIDE FLASHING & INSTALL PER MFR. SPECS.
 55. DECORATIVE GSM CHIMNEY CAP.
- 56. ROOF DRAIN AND OVERFLOW. CONNECT TO CLOSED CONDUITS AT DOWNSPOUT DRAIN SYSTEM. 51. 3" DIAMETER GSM DOWNSPOUT TYP. CONNECT ALL DOWNSPOUTS TO CLOSED CONDUITS DISCHARGING 9 EROSION RESISTANT AREA AWAY FROM STRUCTURE. 59. LINE OF WALLS BELOW. 61. BEAM PER PLAN. SEE STRUCTURAL DRAWINGS.
- 63. DECORATIVE STEEL COLUMN.

 10. FOUNDATION VENT. SEE VENT SCHEDULE AND ELECT/MECH PLAN.

 COVERED WITH NON-COMBUSTIBLE CORROSION RESISTANT WIRE

 MESH. MINIMUM 1/16" TO MAXIMUM 1/8" OPENINGS. 13. STONE VENEER PLANTER W/ PRECAST STONE CAP.
- NOTE: ALL EXTERIOR TRIM TO BE WOOD U.O.N. NOTE: ALL EXTERIOR SIDING AND TRIM TO BE SMOOTH U.O.N. NOTE: DIVERT PLUMBING VENTS, ROOF VENTS, SOLAR TUBES AND OTHER ROOF PENETRATIONS TO BACK SIDE OF RIDGE WHEREVER POSSIBLE. NOTE: COMPLY WITH WUI REQUIREMENTS FOR ALL EXTERIOR ASSEMBLIES. SEE COVERSHEET FOR NOTES.

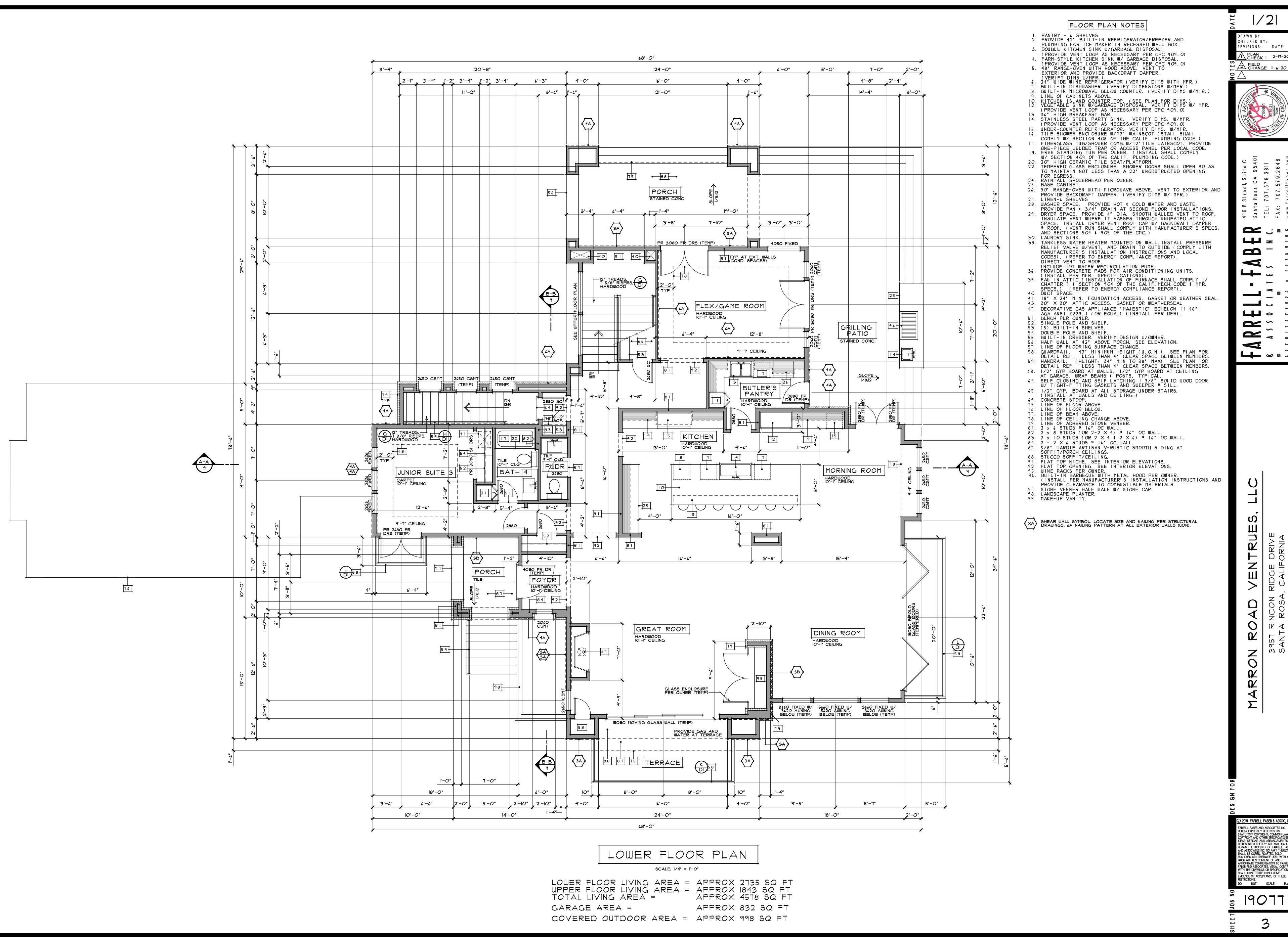




LEFT SIDE ELEVATION

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

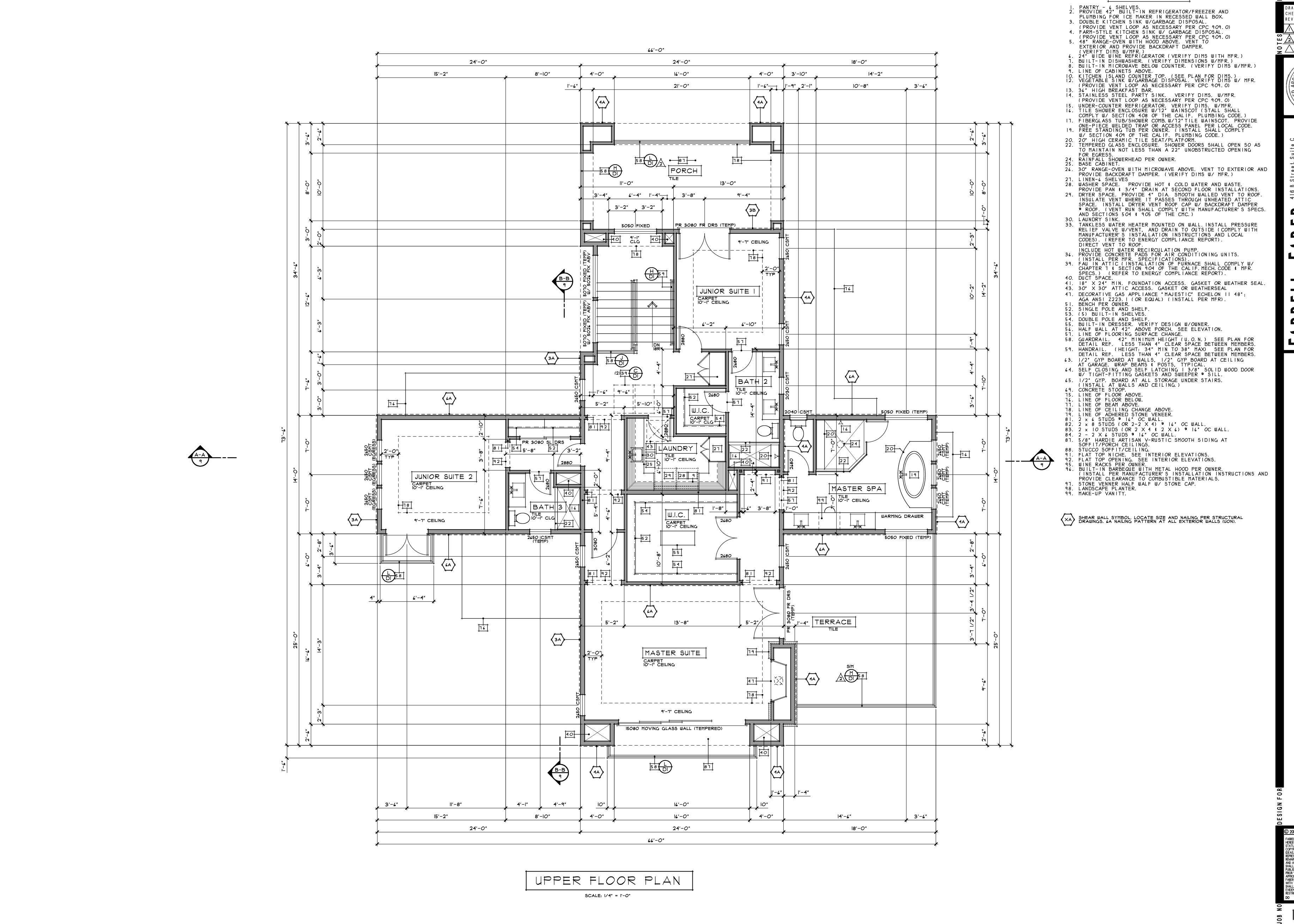
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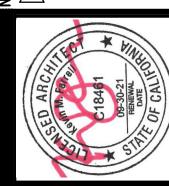
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FLOOR PLAN NOTES



GARAGE LEVEL PLAN SCALE: 1/4" = 1'-0"

FLOOR PLAN NOTES

 PANTRY - 6 SHELVES.
 PROVIDE 42" BUILT-IN REFRIGERATOR/FREEZER AND PLUMBING FOR ICE MAKER IN RECESSED WALL BOX. 3. DOUBLE KITCHEN SINK W/GARBAGE DISPOSAL. (PROVIDE VENT LOOP AS NECESSARY PER CPC 909.0)

4. FARM-STYLE KITCHEN SINK W/ GARBAGE DISPOSAL.
(PROVIDE VENT LOOP AS NECESSARY PER CPC 909.0)

5. 48" RANGE-OVEN WITH HOOD ABOVE. VENT TO

EXTERIOR AND PROVIDE BACKDRAFT DAMPER. (VERIFY DIMS W/MFR.)

6. 24" WIDE WINE REFRIGERATOR (VERIFY DIMS WITH MFR.) BUILT-IN DISHWASHER. (VERIFY DIMENSIONS W/MFR.) 8. BUILT-IN MICROWAVE BELOW COUNTER. (VERIFY DIMS W/MFR.)

9. LINE OF CABINETS ABOVE. IO. KITCHEN ISLAND COUNTER TOP. (SEE PLAN FOR DIMS.)
12. VEGETABLE SINK W/GARBAGE DISPOSAL. VERIFY DIMS W/ MFR.
(PROVIDE VENT LOOP AS NECESSARY PER CPC 909.0)
13. 36" HIGH BREAKFAST BAR.

14. STAINLESS STEEL PARTY SINK. VERIFY DIMS. W/MFR. (PROVIDE VENT LOOP AS NECESSARY PER CPC 909.0) 15. UNDER-COUNTER REFRIGERATOR. VERIFY DIMS. W/MFR. 16. TILE SHOWER ENCLOSURE W/12" WAINSCOT (STALL SHALL COMPLY W/ SECTION 408 OF THE CALIF. PLUMBING CODE.)

II. FIBERGLASS TUB/SHOWER COMB. W/I2" TILE WAINSCOT. PROVIDE ONE-PIECE WELDED TRAP OR ACCESS PANEL PER LOCAL CODE.

19. FREE STANDING TUB PER OWNER. (INSTALL SHALL COMPLY W/ SECTION 409 OF THE CALIF. PLUMBING CODE.)

20. 20" HIGH CERAMIC TILE SEAT/PLATFORM.

21. TEMPERED GLASS ENCLOSURE. SHOWER DOORS SHALL OPEN SO AS TO MAINTAIN NOT LESS THAN A 22" UNOBSTRUCTED OPENING FOR EGRESS

FOR EGRESS.

24. RAINFALL SHOWERHEAD PER OWNER.

25. BASE CABINET. 26. 30" RANGE-OVEN WITH MICROWAVE ABOVE. VENT TO EXTERIOR AND PROVIDE BACKDRAFT DAMPER. (VERIFY DIMS W/ MFR.) 21. LINEN-6 SHELVES

28. WASHER SPACE. PROVIDE HOT & COLD WATER AND WASTE. PROVIDE PAN \$ 3/4" DRAIN AT SECOND FLOOR INSTALLATIONS. 29. DRYER SPACE. PROVIDE 4" DIA. SMOOTH WALLED VENT TO ROOF. INSULATE VENT WHERE IT PASSES THROUGH UNHEATED ATTIC SPACE. INSTALL DRYER VENT ROOF CAP W/ BACKDRAFT DAMPER
PROOF. (VENT RUN SHALL COMPLY WITH MANUFACTURER'S SPECS.
AND SECTIONS 504 \$ 905 OF THE CMC.)

30. LAUNDRY SINK. 33. TANKLESS WATER HEATER MOUNTED ON WALL INSTALL PRESSURE RELIEF VALVE W/VENT, AND DRAIN TO OUTSIDE (COMPLY WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND LOCAL CODES). (REFER TO ENERGY COMPLIANCE REPORT). DIRECT VENT TO ROOF.

INCLUDE HOT WATER RECIRCULATION PUMP.

36. PROVIDE CONCRETE PADS FOR AIR CONDITIONING UNITS.

(INSTALL PER MFR. SPECIFICATIONS).

39. FAU IN ATTIC (INSTALLATION OF FURNACE SHALL COMPLY W/CHAPTER 1 & SECTION 904 OF THE CALIF. MECH. CODE & MFR. SPECS.) (REFER TO ENERGY COMPLIANCE REPORT).

40. DUCT SPACE. 41. 18" X 24" MIN. FOUNDATION ACCESS. GASKET OR WEATHER SEAL. 43. 30" X 30" ATTIC ACCESS. GASKET OR WEATHERSEAL 41. DECORATIVE GAS APPLIANCE "MAJESTIC" ECHELON II 48"; AGA ANSI Z223. I (OR EQUAL) (INSTALL PER MFR). BENCH PER OWNER.

52. SINGLE POLE AND SHELF. 53. (5) BUILT-IN SHELVES. 54. DOUBLE POLE AND SHELF.

55. BUILT-IN DRESSER. VERIFY DESIGN W/OWNER.
56. HALF WALL AT 42" ABOVE PORCH. SEE ELEVATION. 51. LINE OF FLOORING SURFACE CHANGE. 58. GUARDRAIL. 42" MINIMUM HEIGHT (U.O.N.) SEE PLAN FOR DETAIL REF. LESS THAN 4" CLEAR SPACE BETWEEN MEMBERS.

59. HANDRAIL. (HEIGHT: 34" MIN TO 38" MAX) SEE PLAN FOR DETAIL REF. LESS THAN 4" CLEAR SPACE BETWEEN MEMBERS. 63. 1/2" GYP BOARD AT WALLS, 1/2" GYP BOARD AT CEILING AT GARAGE. WRAP BEAMS & POSTS, TYPICAL. 64. SELF CLOSING AND SELF LATCHING I 3/8" SOLID WOOD DOOR W/ TIGHT-FITTING GASKETS AND SWEEPER 9 SILL.

W/ TIGHT-FITTING GASKETS AND SWEEPER ® SILL.

65. 1/2" GYP. BOARD AT ALL STORAGE UNDER STAIRS.

(INSTALL AT WALLS AND CEILING.)

69. CONCRETE STOOP.

15. LINE OF FLOOR ABOVE.

16. LINE OF FLOOR BELOW.

11. LINE OF BEAM ABOVE.

18. LINE OF CEILING CHANGE ABOVE.

19. LINE OF ADHERED STONE VENEER.

81. 2 × 6 STUDS ® 16" OC WALL.

82. 2 × 8 STUDS (OR 2-2 X 4) ® 16" OC WALL.

83. 2 × 10 STUDS (OR 2 X 4 t 2 X 6) ® 16" OC WALL.

84. 2 - 2 X 6 STUDS ® 16" OC WALL.

85. 5/8" HARDIE ARTISAN V-RUSTIC SMOOTH SIDING AT SOFFIT/PORCH CEILINGS.

88. STUCCO SOFFIT/CEILING.

91. FLAT TOP NICHE. SEE INTERIOR ELEVATIONS.

92. FLAT TOP OPENING. SEE INTERIOR ELEVATIONS.

93. WINE RACKS PER OWNER.

94. BUILT-IN BARBEQUE WITH METAL HOOD PER OWNER.

(INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND PROVIDE CLEARANCE TO COMBUSTIBLE MATERIALS. PROVIDE CLEARANCE TO COMBUSTIBLE MATERIALS.

91. STONE VENNER HALF WALF W/ STONE CAP.

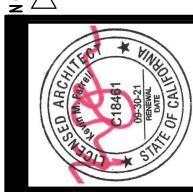
98. LANDSCAPE PLANTER.

99. MAKE-UP VANITY.

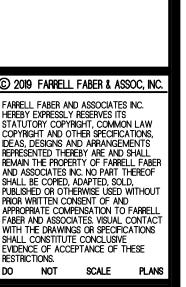
SHEAR WALL SYMBOL. LOCATE SIZE AND NAILING PER STRUCTURAL DRAWINGS. 64 NAILING PATTERN AT ALL EXTERIOR WALLS (UON).

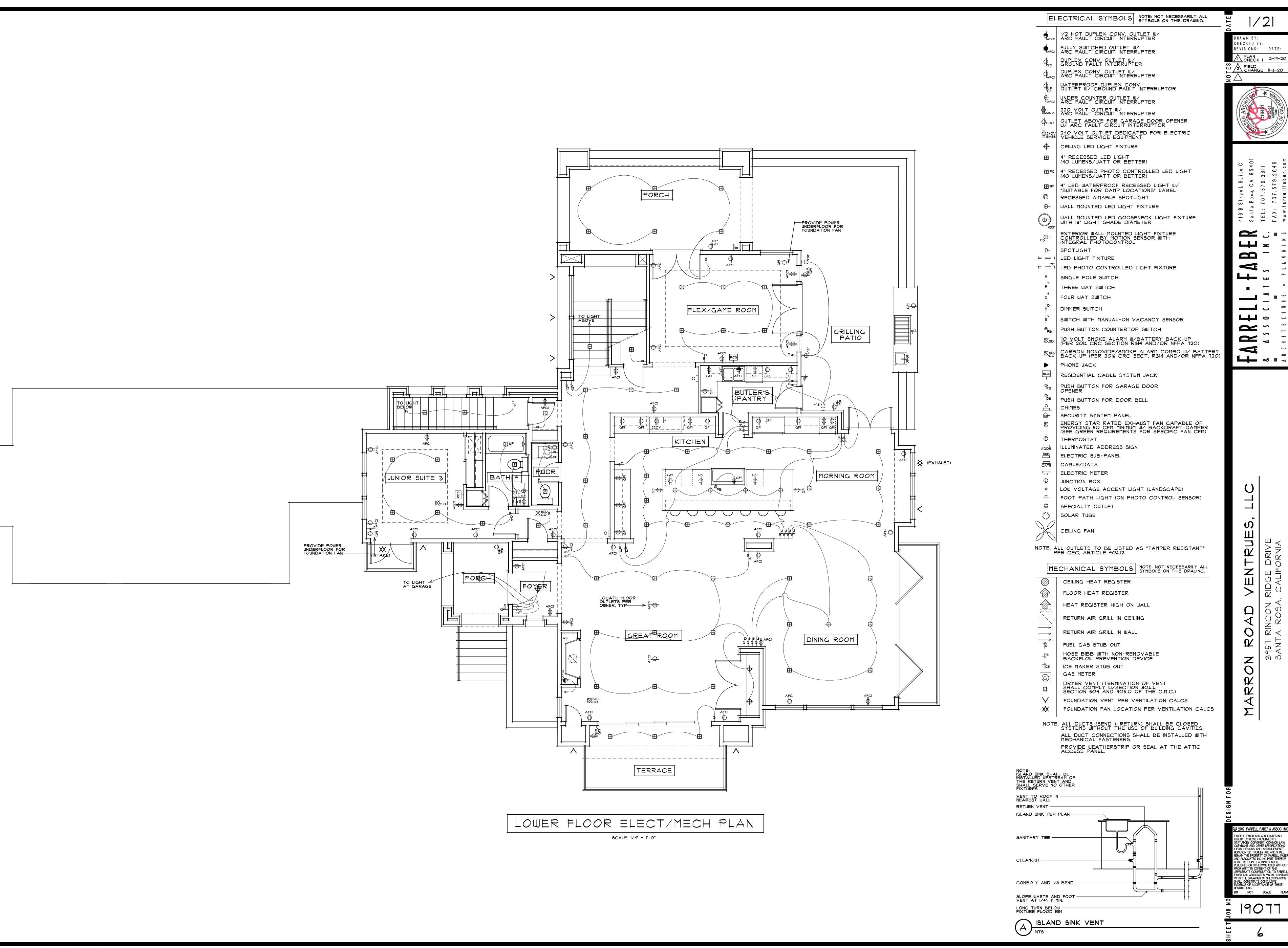
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UPPER FLOOR ELECT/MECH PLAN SCALE: 1/4" = 1'-0"

ELECTRICAL SYMBOLS NOTE: NOT NECESSARILY ALL SYMBOLS ON THIS DRAWING.

1/2 HOT DUPLEX CONV. OUTLET W/ ARC FAULT CIRCUIT INTERRUPTER

FULLY SWITCHED OUTLET W/
ARC FAULT CIRCUIT INTERRUPTER

DUPLEX CONV. OUTLET W/ GROUND FAULT INTERRUPTER

DUPLEX CONV. OUTLET W/
ARC FAULT CIRCUIT INTERRUPTER

WATERPROOF DUPLEX CONV. OUTLET W/ GROUND FAULT INTERRUPTOR

UNDER COUNTER OUTLET W/ ARC FAULT CIRCUIT INTERRUPTER

220 VOLT OUTLET W/ ARC FAULT CIRCUIT INTERRUPTER OUTLET ABOVE FOR GARAGE DOOR OPENER W/ ARC FAULT CIRCUIT INTERRUPTOR

#240V 240 VOLT OUTLET DEDICATED FOR ELECTRIC VEHICLE SERVICE EQUIPMENT

CEILING LED LIGHT FIXTURE

4" RECESSED LED LIGHT (40 LUMENS/WATT OR BETTER)

RECESSED PHOTO CONTROLLED LED LIGHT (40 LUMENS/WATT OR BETTER)

#" LED WATERPROOF RECESSED LIGHT W/
"SUITABLE FOR DAMP LOCATIONS" LABEL

RECESSED AIMABLE SPOTLIGHT WALL MOUNTED LED LIGHT FIXTURE

WALL MOUNTED LED GOOSENECK LIGHT FIXTURE WITH 18" LIGHT SHADE DIAMETER

EXTERIOR WALL MOUNTED LIGHT FIXTURE CONTROLLED BY MOTION SENSOR WITH INTEGRAL PHOTOCONTROL

SPOTLIGHT

⊨ = | LED LIGHT FIXTURE

⊨ = LED PHOTO CONTROLLED LIGHT FIXTURE

SINGLE POLE SWITCH

THREE WAY SWITCH FOUR WAY SWITCH

DIMMER SWITCH

SWITCH WITH MANUAL-ON VACANCY SENSOR

PUSH BUTTON COUNTERTOP SWITCH

| IIO VOLT SMOKE ALARM W/BATTERY BACK-UP (PER 2016 CRC SECTION R314 AND/OR NFPA 120)

CARBON MONOXIDE/SMOKE ALARM COMBO W/ BATTERY BACK-UP (PER 2016 CRC SECT. R314 AND/OR NFPA 120) PHONE JACK

RESIDENTIAL CABLE SYSTEM JACK

PUSH BUTTON FOR GARAGE DOOR OPENER

PUSH BUTTON FOR DOOR BELL

CHIMES

SECURITY SYSTEM PANEL

ENERGY STAR RATED EXHAUST FAN CAPABLE OF PROVIDING 50 CFM MINIMUM W/ BACKDRAFT DAMPER (SEE GREEN REQUIREMENTS FOR SPECIFIC FAN CFM)

THERMOSTAT

ILLUMINATED ADDRESS SIGN ELECTRIC SUB-PANEL

CATS CABLE/DATA

ELECTRIC METER

JUNCTION BOX LOW VOLTAGE ACCENT LIGHT (LANDSCAPE)

FOOT PATH LIGHT (ON PHOTO CONTROL SENSOR) SPECIALTY OUTLET

SOLAR TUBE

CEILING FAN

NOTE: ALL OUTLETS TO BE LISTED AS "TAMPER RESISTANT" PER CEC, ARTICLE 406.12.

MECHANICAL SYMBOLS NOTE: NOT NECESSARILY ALL SYMBOLS ON THIS DRAWING.

CEILING HEAT REGISTER

FLOOR HEAT REGISTER

HEAT REGISTER HIGH ON WALL

RETURN AIR GRILL IN CEILING

RETURN AIR GRILL IN WALL

FUEL GAS STUB OUT

HOSE BIBB WITH NON-REMOVABLE BACKFLOW PREVENTION DEVICE

ICE MAKER STUB OUT

GAS METER DRYER VENT (TERMINATION OF VENT SHALL COMPLY W/SECTION 806.6, SECTION 504 AND 905.0 OF THE C.M.C.)

FOUNDATION VENT PER VENTILATION CALCS

FOUNDATION FAN LOCATION PER VENTILATION CALCS

NOTE: ALL DUCTS (SEND & RETURN) SHALL BE CLOSED SYSTEMS WITHOUT THE USE OF BUILDING CAVITIES. ALL DUCT CONNECTIONS SHALL BE INSTALLED WITH MECHANICAL FASTENERS. PROVIDE WEATHERSTRIP OR SEAL AT THE ATTIC ACCESS PANEL.

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PROVIDE UFER AND 2 GANG MUD-RING A ELECTRIC METER PER CEC 250.50 (A), (3) AND (4) GROUNDING CONDUCTOR AT SERVICE PANEL TO BE BONDED TO ALL METAL PIPING PER CEC 250.104. ALL RECEPTACLES ARE REQUIRED TO BE TAMPER-RESISTANT PER CEC 406.II.

LIGHT FIXTURES IN CLOSETS SHALL BE LISTED AND COMPLY WITH CEC SECTION 410.16. ALL SMOKE ALARMS AND CARBON MONOXIDE ALARMS SHALL BE WIRED SUCH THAT WHEN ANY ALARM IS ACTIVATED, SMOKE ALARMS IN ALL BEDROOMS WILL GO INTO ALARM. RECEPTACLES FOR EACH BATHROOM TO BE ON SEPARATE CIRCUIT PER CEC 210.11 (C) (3). ALL BRANCH CIRCUITS THAT SUPPLY 125-VOLT, SINGLE PHASE, IS AND 20 AMPERE OUTLETS INSTALLED IN DWELLING UNIT SHALL BE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER(S), OUTLETS INCLUDE RECEPTACLES, SWITCHES, LIGHT FIXTURES, SMOKE DETECTORS, ETC. PER CEC 210.12

ELECTRICAL NOTES: PROVIDE 2-20 AMP BRANCH CIRCUITS AT KITCHEN, PANTRY, NOOK AND DINING ROOM PER CEC 210.52 (B), AND 220.54. LAUNDRY TO BE ON SEPARATE 20 AMP CIRCUIT (220V ELECTRIC DRYER TO BE ON SEPARATE 30 AMP MIN CIRCUIT) PER CEC 210.11 (C) (D), 210.52(F), AND 220.16(B). LIGHT FIXTURES IN TUB OR SHOWER ENCLOSURES OR OTHER WET/DAMP LOCATIONS SHALL BE SUITABLE FOR DAMP LOCATIONS

- PROVIDE

SPECIALTY OUTLET FOR

IRRIGATION

CONTROLLER

¥====

GARAGE

HIGH EFFICACY: LUMINAIRES TO BE JA8-2016 QUALIFIES PER TABLE 150.0-A. LUMINARIES INSTALLED TO MEET THE 40 LUMENS PER WATT REQUIREMENTS SHALL NOT CONTAIN MEDIUM BASE SOCKETS AND SHALL BE ON SEPARATE SWITCHES FROM ANY INCANDESCENT LIGHTING.

KITCHEN: ALL OF THE INSTALLED WATTAGE OF LIGHTS IN KITCHENS SHALL BE HIGH EFFICACY BATHROOMS: ALL LUMINAIRES IN EACH BATHROOM MUST BE HIGH EFFICACY. AT LEAST ONE LUMINAIRE MUST BE CONTROLLED BY VACANCY SENSORS. GARAGES, LAUNDRY ROOMS AND UTILITY ROOMS: ALL LUMINAIRES MUST BE HIGH EFFICACY AND MUST BE CONTROLLED BY A VACANCY SENSOR OTHER ROOMS: ALL LIGHT FIXTURES SHALL BE HIGH EFFICACY AND SHALL BE CONTROLLED BY A VACANCY SENSOR OR DIMMER. CLOSETS THAT ARE LESS THAN TO SQUARE FEET ARE EXEMPT FROM THIS REQUIREMENT. OUTDOOR LIGHTING: ALL LIGHT FIXTURES MOUNTED TO THE BUILDING OR TO OTHER BUILDINGS ON THE SAME LOT SHALL HAVE HIGH EFFICACY LIGHT FIXTURES AND SHALL BE CONTROLLED BY A PHOTO CONTROL / MOTION SENSOR COMBINATION RECESSED LUMINAIRES IN INSULATED CEILINGS: LUMINAIRES THAT ARE RECESSED INTO INSULATED CEILINGS ARE REQUIRED TO BE RATED FOR INSULATION CONTACT ('IC-RATED'), SIR LEAKAGE, SEALING, AND HAVE A JA8-2016-E LIGHT FIXTURE. THE HOUSING OF THE LIGHT FIXTURE SHALL PREVENT AIR LEAKAGE AND BE SEALED.

2016 CALIFORNIA ENERGY STANDARD LIGHTING OVERVIEW:

GARAGE LEVEL ELECT/MECH PLAN

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

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MUD ROOM

PORCH

TO SWITCH

VENTILATION NOTES:

KITCHEN HOOD EXHAUST FAN MUST BE INSTALLED AND DELIVER VENTILATION AIRFLOW AT IOO CFM OR GREATER PER SECTION I5O-O OF CALIFORNIA ENERGY CODE AND ANSI/ASHRE STANDARD 62.2: 5" DUCT DIAMETER; 35' MAX LENGTH FLEX DUCT OR 85' MAX LENGTH SMOOTH DUCT (DEDUCT I5' OF ALLOWABLE LENGTH FOR EACH ELBOW). ALL BATHROOMS CONTAINING BATHTUB, SHOWERS, SPAS AND SIMILAR BATHING FIXTURES SHALL BE MECHANICALLY VENTILATED IN ACCORDANCE WITH SECTION 403.7 OF C.M.C. OR SECTION R303.3 OF C.R.C. AND SECTION 150-0 OF CALIFORNIA ENERGY CODE AND ANSI/ASHRE STANDARD 62.2 BATHROOM FAN VENTILATION AIRFLOW SHALL BE 50 CFM OR GREATER. 4" DUCT DIAMETER: 10' MAX LENGTH FLEX DUCT OR 105' MAX LENGTH SMOOTH DUCT (DEDUCT 15' OF ALLOWABLE DUCT LENGTH FOR EACH ELBOW). ALL BATH FANS SHALL HAVE A HUMIDISTAT CONTROL WHEN NOT PART OF THE WHOLE HOUSE VENTILATION SYSTEM. PRIMARY WHOLE HOUSE VENTILATION FAN AT MASTER BATH OR LAUNDRY MUST BE 60 CFM OR GREATER. BE ENERGY STAR RATED, SET UP FOR CONTINUOUS OPERATION AND COMPLY WITH DUCT DIAMETER AND LENGTH AS FOLLOWS: 5" MIN DUCT DIAMETER WITH 70' MAX LENGTH FLEX DUCT, OR 4" MAX DUCT DIAMETER WITH 35' MAX LENGTH SMOOTH DUCT. (DEDUCT 15' OF ALLOWABLE DUCT LENGTH FOR EACH ELBOW). LABEL THE FAN SWITCH WITH THE FOLLOWING VERBAGE: "TO MAINTAIN MINIMUM LEVELS OF OUTSIDE AIR VENTILATION REQUIRED FOR GOOD HEALTH, THE FAN CONTROL SHOULD BE ON AT ALL TIMES WHEN THE BUILDING IS OCCUPIED, UNLESS THERE IS SEVERE OUTDOOR AIR CONTAMINATION".

NOTE: WHOLE HOUSE VENTILATION RATE AND PRESCRIPTIVE DUCT SIZING FOR SINGLE FAN EXHAUST SYSTEMS FROM ANSI/ASHRE STANDARD 62.2 TABLE 7.1.

AND MAY NOT EXCEED 20' IN LENGTH. PROVIDE REQUIRED CLEARANCE TO COMBUSTIBLE MATERIALS AS REQUIRED BY CMC TABLE 3-3.

OR NEAR THE FURNACE.

ATTIC FURNACE: THE PASSAGEWAY TO FURNACE SHALL HAVE AN UNOBSTRUCTED SOLID CONTINUOUS FLOORING NOT LESS THAN 24" IN WIDTH FROM THE OPENING TO THE FURNACE PROVIDE REQUIRED HEAD CLEARANCE PER MANUFACTURER AND CMC 304.I. PROVIDE FURNACE ANCHORAGE PER MANUFACTURER AND TO COMPLY WITH CMC 303.4. A LEVEL WORKING PLATFORM NOT LESS THAN 30" IN WIDTH AND DEPTH SHALL BE PROVIDED IN FRONT OF THE ENTIRE FIREBOX SIDE OF THE WARM AIR FURNACE AND PROVIDE A CONTINUOUS FLOOR NOT LESS THAN 24" IN WIDTH FROM THE PLATFORM TO THE LOCATION OF THE CONTROLS ON THE FURNACE PER CMC 304.4.3. PROVIDE PERMANENT ELECTRICAL OUTLET AND LIGHTING FIXTURE CONTROLLED BY A SWITCH LOCATED AT THE REQUIRED PASSAGEWAY OPENING, SHALL BE PROVIDED AT

PROVIDE COMBUSTION AIR (I SQ IN PER 4000 BTU/H) IN ADDITION TO REQUIRED ATTIC VENTING. ACCESS DOOR SHALL BE TIGHT FITTING WITH WEATHER STRIPPING.

PROVIDE CONDENSATE DRAIN PER MANUFACTURERS SPECIFICATIONS.

NOTE: ALL DUCTS (SEND & RETURN) SHALL BE CLOSED SYSTEMS WITHOUT THE USE OF BUILDING CAVITIES. ALL DUCT CONNECTIONS SHALL BE INSTALLED WITH MECHANICAL FASTENERS. PROVIDE WEATHERSTRIP OR SEAL AT THE ATTIC ACCESS PANEL.

MECHANICAL SYMBOLS NOTE: NOT NECESSARILY ALL SYMBOLS ON THIS DRAWING. CEILING HEAT REGISTER FLOOR HEAT REGISTER HEAT REGISTER HIGH ON WALL RETURN AIR GRILL IN CEILING RETURN AIR GRILL IN WALL FUEL GAS STUB OUT HOSE BIBB WITH NON-REMOVABLE BACKFLOW PREVENTION DEVICE DRYER VENT (TERMINATION OF VENT SHALL COMPLY W/SECTION 804.4, SECTION 504 AND 905.0 OF THE C.M.C.) FOUNDATION VENT PER VENTILATION CALCS

NOTE: ALL OUTLETS TO BE LISTED AS "TAMPER RESISTANT" PER CEC, ARTICLE 406.12.

FOUNDATION FAN LOCATION PER VENTILATION CALCS

JUNCTION BOX LOW VOLTAGE ACCENT LIGHT (LANDSCAPE) FOOT PATH LIGHT (ON PHOTO CONTROL SENSOR) SPECIALTY OUTLET SOLAR TUBE

CEILING FAN

ILLUMINATED ADDRESS SIGN ELECTRIC SUB-PANEL CABLE/DATA ELECTRIC METER

SECURITY SYSTEM PANEL ENERGY STAR RATED EXHAUST FAN CAPABLE OF PROVIDING 50 CFM MINIMUM W/ BACKDRAFT DAMPER (SEE GREEN REQUIREMENTS FOR SPECIFIC FAN CFM)

PUSH BUTTON FOR GARAGE DOOR OPENER PUSH BUTTON FOR DOOR BELL CHIMES

PHONE JACK RESIDENTIAL CABLE SYSTEM JACK

CARBON MONOXIDE/SMOKE ALARM COMBO W/ BATTERY BACK-UP (PER 2016 CRC SECT. R314 AND/OR NFPA 120)

IIO VOLT SMOKE ALARM W/BATTERY BACK-UP (PER 2016 CRC SECTION R314 AND/OR NFPA 120)

PUSH BUTTON COUNTERTOP SWITCH

SWITCH WITH MANUAL-ON VACANCY SENSOR

DIMMER SWITCH

THREE WAY SWITCH FOUR WAY SWITCH

SPOTLIGHT

⊨ = | LED LIGHT FIXTURE ⊨ = \ \ LED PHOTO CONTROLLED LIGHT FIXTURE SINGLE POLE SWITCH

EXTERIOR WALL MOUNTED LIGHT FIXTURE CONTROLLED BY MOTION SENSOR WITH INTEGRAL PHOTOCONTROL

WALL MOUNTED LED GOOSENECK LIGHT FIXTURE WITH 18" LIGHT SHADE DIAMETER

"SUITABLE FOR DAMP LOCATIONS" LABEL RECESSED AIMABLE SPOTLIGHT WALL MOUNTED LED LIGHT FIXTURE

RECESSED PHOTO CONTROLLED LED LIGHT (40 LUMENS/WATT OR BETTER) HWP 4" LED WATERPROOF RECESSED LIGHT W/

CEILING LED LIGHT FIXTURE 4" RECESSED LED LIGHT (40 LUMENS/WATT OR BETTER)

#240V 240 VOLT OUTLET DEDICATED FOR ELECTRIC VEHICLE SERVICE EQUIPMENT

OUTLET ABOVE FOR GARAGE DOOR OPENER W/ ARC FAULT CIRCUIT INTERRUPTOR

WATERPROOF DUPLEX CONV. OUTLET W/ GROUND FAULT INTERRUPTOR

DUPLEX CONV. OUTLET W/ GROUND FAULT INTERRUPTER DUPLEX CONV. OUTLET W/ ARC FAULT CIRCUIT INTERRUPTER

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1/2 HOT DUPLEX CONV. OUTLET W/
CI ARC FAULT CIRCUIT INTERRUPTER

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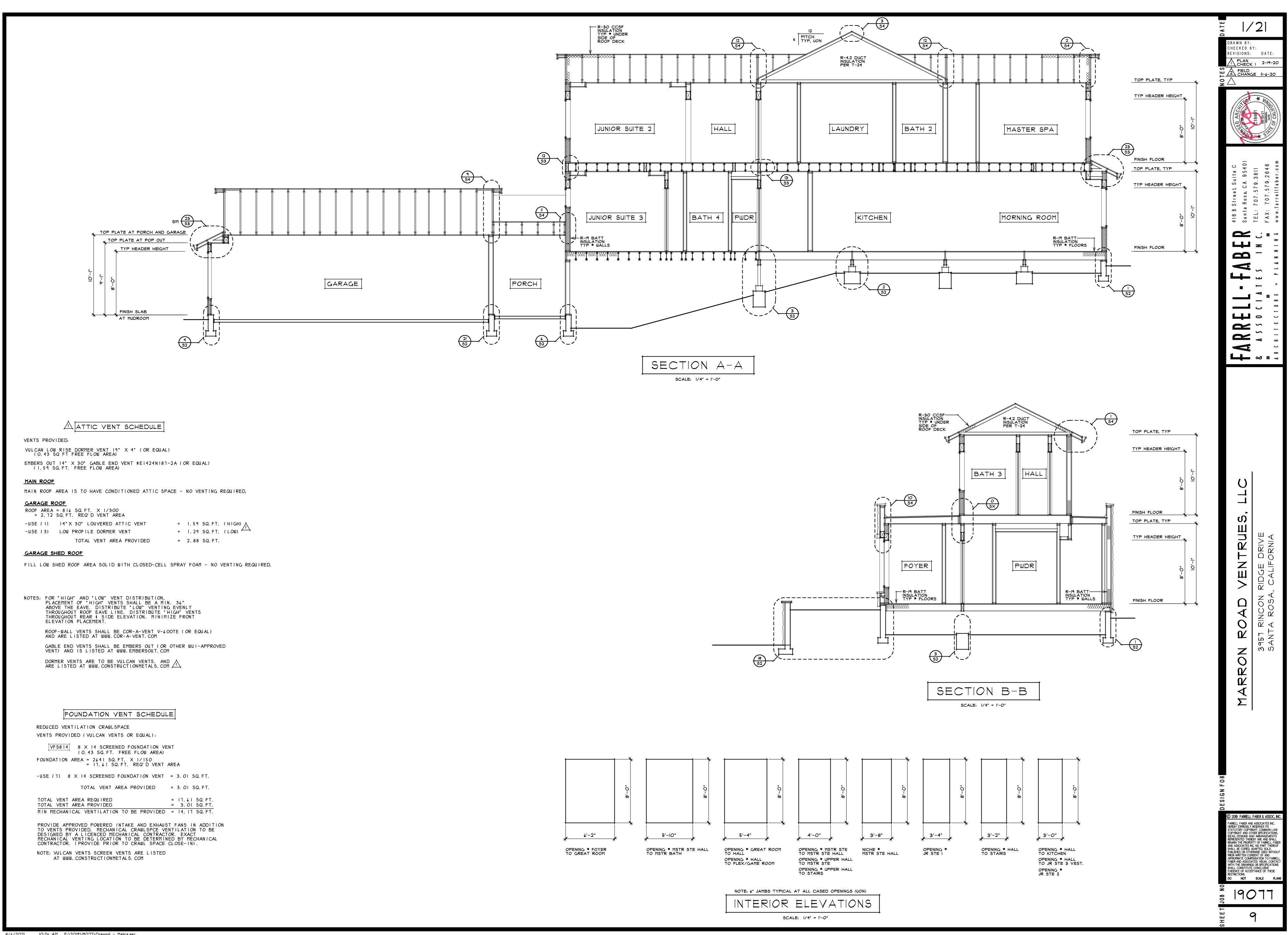
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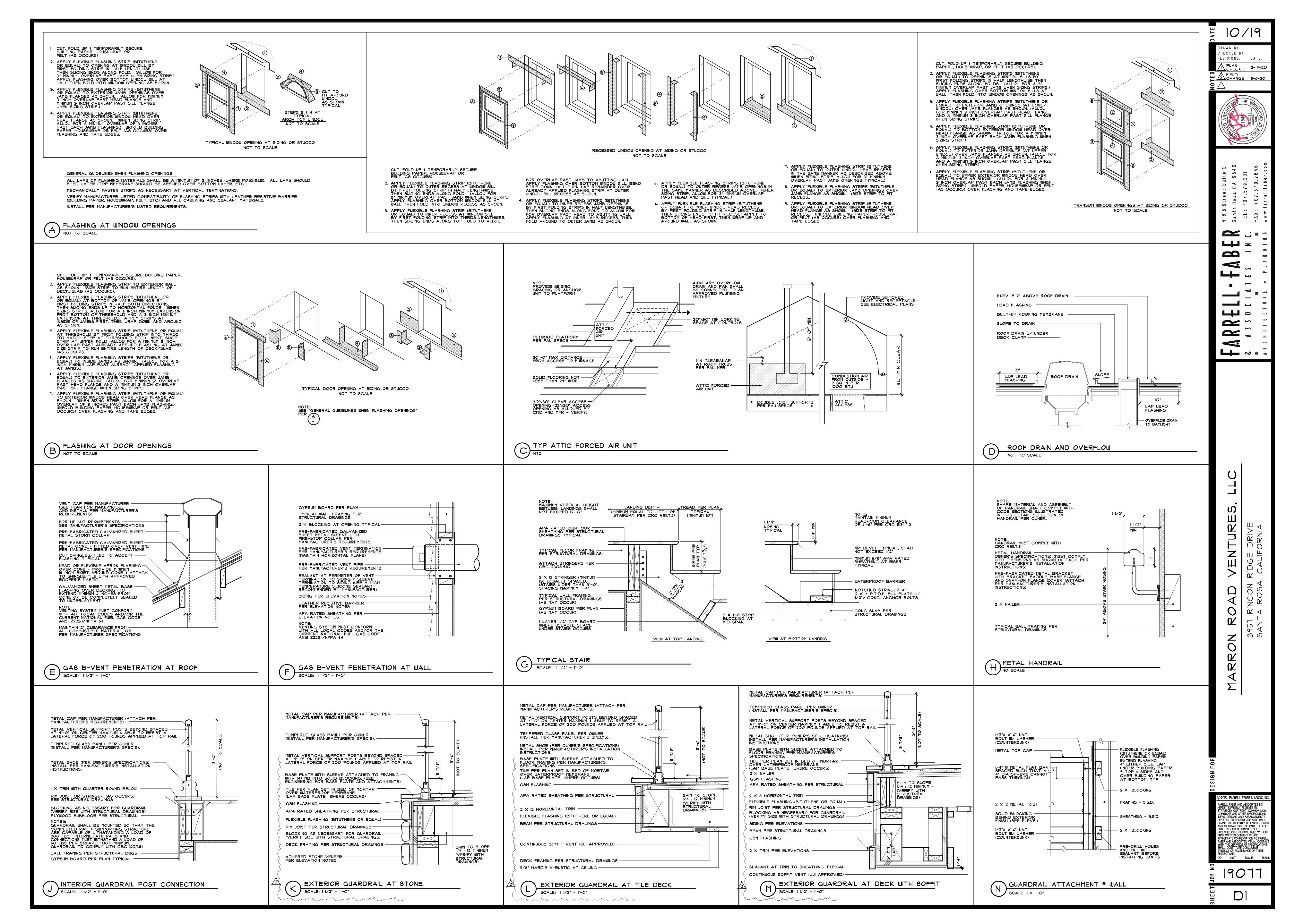
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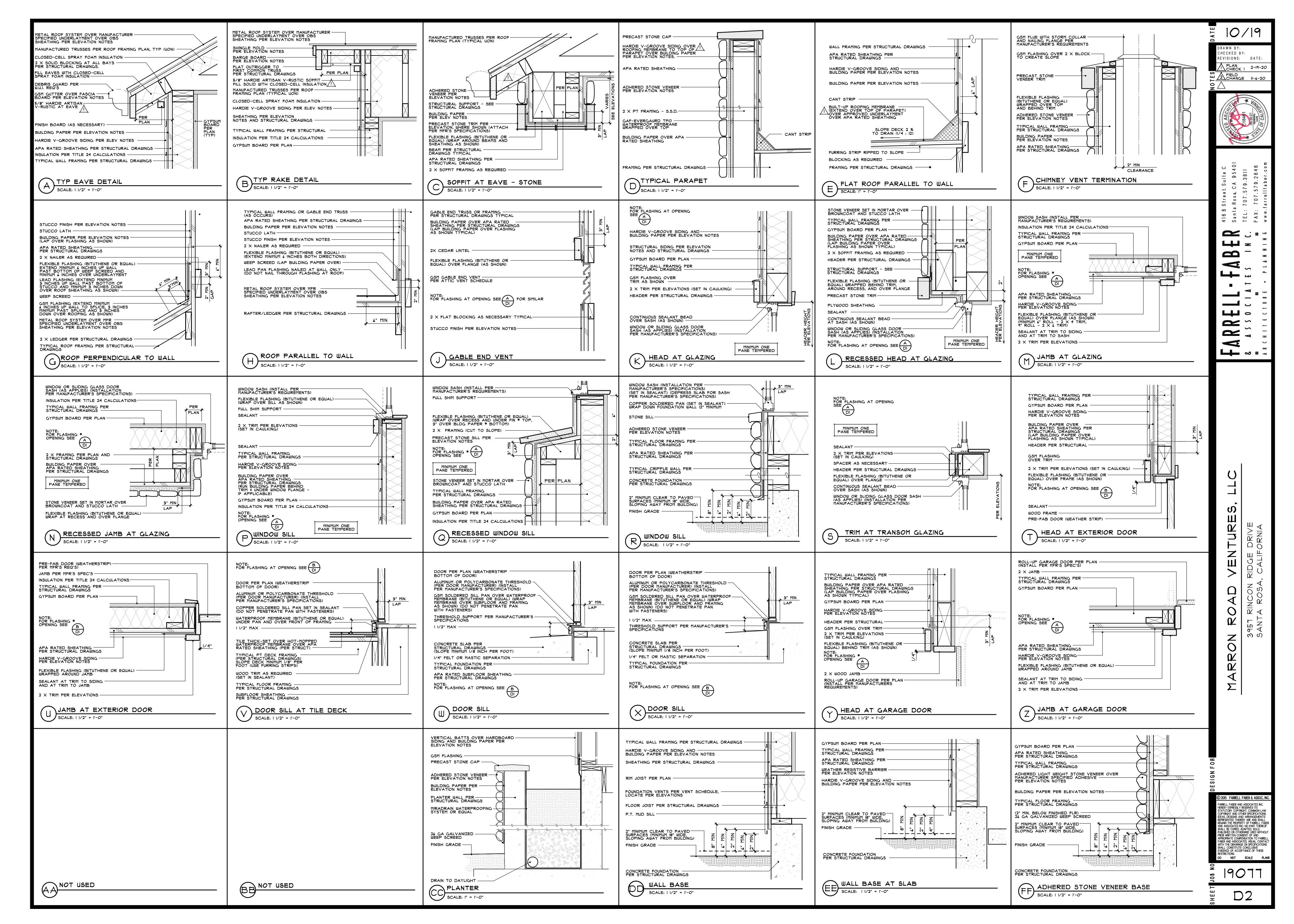
ELECTRICAL SYMBOLS NOTE: NOT NECESSARILY ALL SYMBOLS ON THIS DRAWING.

UNDER COUNTER OUTLET W/ ARC FAULT CIRCUIT INTERRUPTER

FULLY SWITCHED OUTLET W/
ARC FAULT CIRCUIT INTERRUPTER







The control of the	TIER IIERIIIO OI	STEMS											
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### PROPRIES OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD Compliance Complianc	A Building Energy Ef	fficiency Stand	ards - 2016 Resid	dential Comp	liance	Report Version - C	F1R-01162019-11	49	aird parties not aff	Repor	t Generated a	at: 2021-0	
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try/State/Zip: 29-538-2879 EPRSON'S DECLARATION STATEMENT Derity 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. 20-538-2879 Entity the following under penalty of perjury, under the laws of the State of California: 3. 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 conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. 3. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application. Bianca Miller Bianca Miller Date Signed: Bianca Miller Date Signed: License: License: License: License: License: Phone: (707) 579-3811 Digitally spend by Confol Home Energy Efficiency Rating System Services, Inc. (CHEERS), This digital signature is provided in order to secure the content of this registered document, and in ne way implies Registration Provider responsibility for the accuracy of the information. Bianch California Phone: (707) 579-3811 Digitally spend by Confol Home Energy Efficiency Rating System Services, Inc. (CHEERS), This digital signature is provided in order to secure the content of this registered document, and in ne way implies Registration Provider responsibility for the accuracy of the information. Bianch California	egistration Number: A Building Energy Ef DTICE: This document ha exponsible for, and cannot EERTIFICATE OF C roject Name: 395 Calculation Descrip COCUMENTATION A . I certify that this Cel cocumentation Author Anthony Nunez Company:	421-P010045 fficiency Stand as been generate t guarantee, the COMPLIANC 7 Rincon Rid ption: 3957 UTHOR'S DE utificate of Con	IA 6491A-000-000-00 ards - 2016 Resid by ConSol Home B accuracy or complet CE - RESIDENT Ige Drive Rincon Ridge D CLARATION STA	Q CFM 83 000000-0000 dential Compeners of the in	liance y Rating Syst formation cor	Registration Date/ Report Version - C tem Services, Inc. (CHt trained in this document E COMPLIANCE	Time: 04/01/2021 25 Time: 04/01/2021 2F1R-01162019-11 EERS) using information. METHOD Calculation Dat Input File Name Documentatic Authority Signature Da	08:27 49 on uploaded by the se/Time: 16:00 2: FF4578RR.	Fan Type efault faird parties not affa 7, Wed, Mar 3 ribd16	HERS Repor	overy less(%) Provider: Ctt Generated a	HERS	06 S Verification Required 3-31 16:10:30 CHEERS is not CF1R-PRF-01
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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. seponsible Designer Name: Bianca Miller Date Signed: 04/01/2021 License: License: License: 1. In the Street, Suite C Ity/State/Zip: Inta Rosa, CA 95401 Digitally signed by ConSol Home Energy Efficiency Rating System Services, Inc. (CHEERS). This digital signature is provided in order to secure the content of this registered document, and in no way implies Registration Provider responsibility for the accuracy of the information. Peopt's Version - CF-IR-01162019-1149 Report Generated at: 2021-03-31 16:10:30	egistration Number: A Building Energy Ef OTICE: This document has sponsible for, and cannot related to the content of the cont	421-P010045 fficiency Stand as been generate t guarantee, the COMPLIANC 7 Rincon Rid aption: 3957 LUTHOR'S DEcutificate of Con r Name: Energy	IA 5491A-000-000-00 ards - 2016 Resid by ConSol Home B accuracy or complet CE - RESIDENT Ige Drive Rincon Ridge D CLARATION STA Inpliance document	Q CFM 83 000000-0000 dential Complinery Efficient in the interest of the inte	liance y Rating Syst formation cor DRMANCE urate and c	Registration Date/ Report Version - C tem Services, Inc. (CHI talined in this document COMPLIANCE	Time: 04/01/2021 EFIR-01162019-11 EERS) using information. METHOD Calculation Dat Input File Name Documentation A nth Signature Da 04/01/2021 CEA/HERS O	08:27 49 on uploaded by the setTime: 16:00 on Author Signa Ony Nute:	Fan Type efault 7, Wed, Mar 3 ribd16 eture:	HERS Repor liated with or relat	overy less(%) Provider: Ctt Generated a	HERS	06 S Verification Required 3-31 16:10:30 CHEERS is not CF1R-PRF-01
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2626 FX 3 Windo 2650 Oper 16 Windo		Left 2x6 Wall 2 (Left-180) 2x6 Wall 2 - Siding (Back-270)			1	6.3 12.5	0.32	0.35 0.35	Insect Screen (default) Insect Screen (default)
2650 Oper 17 Windo 2650 Oper 18 Windo		2x6 Wall 2 - Siding (Back-270) 2x6 Wall 2 - Siding (Back-270)	E R	S	1	12.5 12.5	0.32 0.32	0.35 0.35	Insect Screen (default) Insect Screen (default)
4050 FX Windo 2880 FD Windo		2x6 Wall 2 - Siding (Back-270) 2x6 Wall 2 - Siding (Back-270)			1	20.0	0.32 0.32	0.35 0.35	Insect Screen (default) Insect Screen (default)
2880 FD 2 Windo 3080 FD 6 Windo	- 	2x6 Wall 2 - Siding (Back-270) Back 2x6 Wall 2 (Back-270)			1	21.0 24.0	0.32 0.32	0.35 0.35	Insect Screen (default) Insect Screen (default)
3080 FD 7 Windo 2060 Oper 2 Windo		Back 2x6 Wall 2 (Back-270) at 2x6 Wall 2 - Siding (Right-0)			1	24.0 12.0	0.32 0.32	0.35 0.35	Insect Screen (default) Insect Screen (default)
3080 FD 8 Windo 3080 FD 9 Windo	-	nt 2x6 Wall 2 - Siding (Right-0) nt 2x6 Wall 2 - Siding (Right-0)			1	24.0 24.0	0.32 0.32	0.35 0.35	Insect Screen (default) Insect Screen (default)
2060 Oper 3 Windo 2880 FD 3 Windo	v Righ	nt 2x6 Wall 2 - Siding (Right-0) nt 2x6 Wall 2 - Siding (Right-0)			1	12.0 21.3	0.32	0.35 0.35	Insect Screen (default) Insect Screen (default)
2650 Oper 19 Windo	v	Right 2x6 Wall 2 (Right-0)			1	12.5	0.32	0.35	Insect Screen (default)
2650 Oper 20 Windo 2650 Oper 21 Windo		Right 2x6 Wall 2 (Right-0) Right 2x6 Wall 2 (Right-0)			1	12.5 12.5	0.32	0.35	Insect Screen (default) Insect Screen (default)
gistration Number: 421-P010045491A-000-Ca Building Energy Efficiency Standards - 2016 TCE: This document has been generated by ConSol Ponsible for, and cannot guarantee, the accuracy or constitution of the	Residential Comporne Energy Efficien mpleteness of the in	pliance Report Version - CF1R cy Rating System Services, Inc. (CHERS information contained in this document. ORMANCE COMPLIANCE ME Cale	2-01162019-114) using informatio	49 on uploaded E e/Time: 16	6:07, Wed, N		Report		d at: 2021-03-31 16:10:30
18080 SGD Windo	V	Right 2x6 Wall 2 (Right-0)			1	144.0	0.32	0.35	Insect Screen (default)
PAQUE DOORS 01			02				03		04
Name Garage Interior Door			of Building				Area (f		U-factor 0.50
18080 Garage Rollup 9080 Garage Rollup		Front V	Vall - Garage				144.0 72.0		1.00
Garage Door			Vall - Garage				21.0		1.00
		CHE	ER	S					

				3		
gistration Number: 424 D01	00454044 000 000 00	0000 0000	Pogistration Data/Time: 04/04/2024 (00.27		HERS Provider: CHEERS
gistration Number: 421-P01 Building Energy Efficiency S			Registration Date/Time: 04/01/2021 (Report Version - CF1R-01162019-114			Report Generated at: 2021-03-31 16:10:30
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		AL PERFORMANCE	COMPLIANCE METHOD			CF1R-PRF-01
oject Name: 3957 Rincon Iculation Description: 39	-	rive	Calculation Date Input File Name:			Page 8 of 11
culation bescription. 5	937 Killcoll Klage D	iive	input i lie Name.	111 43701(17.1100	10	
AQUE SURFACE CONSTR	UCTIONS					
01	02	03	04	05	06	07
Construction Name	Surface Type	Construction Type	Framing	Total Cavity R-value	Winter Design U-factor	Assembly Layers
						Inside Finish: Gypsum Board Cavity / Frame: no insul. / 2x4 Top Chrd
			2x4 Top Chord of Roof Truss @ 24			Roof Deck: Wood Siding/sheathing/decking Tile Gap: present
Attic Roof Garage	Attic Roofs	Wood Framed Ceiling	in. O.C.	none	0.345	Roofing: Light Roof (Metal Tile)
						Inside Finish: Gypsum Board Cavity / Frame: R-30 / 2x4 Top Chrd
			2x4 Top Chord of Roof Truss @ 24			Roof Deck: Wood Siding/sheathing/decking Tile Gap: present
Attic Roof House	Attic Roofs Ceilings (below	Wood Framed Ceiling	in. O.C.	R 30	0.039	Roofing: Light Roof (Metal Tile) Inside Finish: Gypsum Board
R-0 Attic Roof	attic)	Wood Framed Ceiling	2x4 @ 24 in. O.C.	none	0.481	Cavity / Frame: no insul. / 2x4
						Inside Finish: Gypsum Board Cavity / Frame: no insul. / 2x4
R-0 Wall	Exterior Walls	Wood Framed Wall	2x4 @ 16 in. O.C.	none	0.302	Exterior Finish: Wood Siding/sheathing/decking
						Inside Finish: Gypsum Board Cavity / Frame: R-19 / 2x6
R-19 Wall	Exterior Walls	Wood Framed Wall	2x6 @ 16 in. O.C.	R 19	0.072	• Exterior Finish: 3 Coat Stucco
		C	HEER	S		Inside Finish: Gypsum Board Cavity / Frame: R-19 / 2x6
R-19 Wall - Interior	Interior Walls	Wood Framed Wall	2x6 @ 16 in. O.C.	R 19	0.067	Other Side Finish: Gypsum Board
D40 D=1== 4 E'	Floors Over	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	0.40 @ 40 = 0.0	D.40	0.045	Floor Surface: Carpeted Floor Deck: Wood Siding/sheathing/decking Cavity (Frame B 40 (2):42)
R19 Raised Floor	Crawlspace Ceilings (below	Wood Framed Floor	2x12 @ 16 in. O.C.	R 19	0.045	Cavity / Frame: R-19 / 2x12 Inside Finish: Gypsum Board
R-0 Roof	attic)	Wood Framed Ceiling	2x4 @ 16 in. O.C.	none	0.472	Cavity / Frame: no insul. / 2x4
						Inside Finish: Gypsum Board Cavity / Frame: R-19 / 2x6
	1	Wood Framed Wall	2x6 @ 16 in. O.C.	R 19	0.069	Exterior Finish: Wood Siding/sheathing/decking
R-19 Wall Siding	Exterior Walls	Troca : ramea rram	ļ			
						·
ILDING ENVELOPE - HERS	S VERIFICATION		02		03	04
IILDING ENVELOPE - HERS	S VERIFICATION	Quality Installation	02 on of Spray Foam Insulation Not Required	Building Enve	03 lope Air Leakage	04 CFM50 n/a

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HERS Provider: CHEERS

Report Generated at: 2021-03-31 16:10:30

Registration Number: 421-P010045491A-000-000-000000-0000 Registration Date/Time: 04/01/2021 08:27

CA Building Energy Efficiency Standards - 2016 Residential Compliance Report Version - CF1R-01162019-1149

Project Name: 39	F COMPLIANCE - 1 1957 Rincon Ridge D 1:ription: 3957 Rind	Orive	ORMANCE COMPLIAN	Calculatio	n Date/Time: 16 Name: FF4578R	:07, Wed, Mar 31, 20	21		CF1R-PRF-01 Page 1 of 11		4/1/21	Job#2750
Calculation Desc	ription: 5957 Rind	con Ridge Drive		iliput File	Name: FF45/6R	R.Hbu 16					Bianca Miller Farrell Faber & Associate	se Inc
GENERAL INFORM	IATION										416 B Street, Suite C	,5, IIIC.
01	Pı	roject Name 3957 Rinco	on Ridge Drive								Santa Rosa, CA 95401	
02	Calculation	Description Title 24 An	alysis	,			,				707-579-3811	
03	Proj	ect Location 3957 Rinco									CBECC-Res 3.1 Re: 3957 Rincon Ridge [)rive in Santa Rosa(
04		City Santa Ros	a, CA	05				npliance 2017			rte. 5557 Millooff Mage L	nive in Ganta Rosa, c
06		Zip Code 95401		07	Co	ompliance Manager Ve		MCmpMgr 201	` ′		Photovoltaic	N/A
10		Climate Zone CZ2 Building Type Single Fan	ailu	09	Eron	Software Vent Orientation (deg/Ca		ECC-Res 2016	.3.1 (1019)		Orientation	East Facing
12		roject Scope Newly Con		13	Fion	Number of Dwelling					Plan (Stucco/Siding Finish	3957 Rincon Ridge) Drive
14		oor Area (ft²) 4578	istiucteu	15		Number of 2					File Name	FF4578RR
16		lab Area (ft²) 0		17		Number of S					Square Footage	4578
18		· ' '		19		Natural Gas Ava	· · · -				% Above Code% Cooling Improvement	0.5% -146.6%
	Addition Cond. Fl	· ' '		~~~~							Number of Stories	2
20	Addition SI	lab Area (ft²) n/a		21		Glazing Percenta	je (%) 30.5	0%			Glazing Percentage	30.5%
COMPLIANCE RES	ULTS									9 6	Roofing Material Reflectance/Emittance	Metal 0.1/0.85
01		with Computer Perform								velope	Attic Floor/Vault**	R-0
02	<u> </u>	·	quire field testing and/or		a certified HERS	rater under the super	ision of a	CEC-approve	d HERS provider.	1	Attic Below Roof Deck Radiant Barrier	R-30 Unvented
03	This building inco	rporates one or more Sp	pecial Features shown be	low						Ē	Wall 2x4	- -
			$-$ C $_{\rm HI}$		R S						Wall 2x6	R-19
		<u> </u>		RGY USE SUMI		1		1			Knee Wall Floor Over Garage/Exterior	- -
	04		05	+ _	06	07		+ _	08		Sub Floor/Slab	- R-19
	gy Use (kTDV/ft ² -yr))	Standard Design	Prope	osed Design	Compliance	Margin	Pero	ent Improvement		Minimum SEER/EER Value	14.0 / 12.2 x2
	Space Heating		17.93	+	13.14	4.79		_	26.7%	\	Minimum AFUE Duct Insulation	0.92 x2 R-4.2
	Space Cooling		2.98 0.87		7.35 0.87	-4.37			-146.6% 0.0%		Whole House Fan (CFM)	-
	IAQ Ventilation Water Heating		4.70	+	4.99	-0.29		+	-6.2%		Fan Wattage	Yes
	notovoltaic Offset			+	0.00	0.00			-0.2 /0	S	Airflow (CFM) Duct Testing Required	Yes (350) Yes (5.0%)
	oliance Energy Total	1	26.48	+	26.35	0.13		1	0.5%	ons	Indoor Air Quality (CFM)	Yes (83)
										ĊĘ	Refrigerant Charge	-
REQUIRED SPECIA						ali sata				Spe	SEER Verification EER Verification	- Yes
Insulation below		nstalled as condition for m	eeting the modeled energy	/ performance to	or this computer and	aiysis.				<u>=</u>	Infiltration (CFM)	-
Non-standard du	ict location (any loc	cation other than attic)								ERS	Ducts in Conditioned Space Low Leakage Air Handler	Yes
Recirculation wit	th demand control,	push button								뽀	~	- -
Registration Number	r: 421-P010045491	A-000-000-000000-0000	Registration D	ate/Time: 04/0	1/2021 08:27		HERS F	Provider: CHE	ERS		Surface Area	-
		- 2016 Residential Comp	liance Report Versior y Rating System Services, Inc.	- CF1R-011620		y third parties not affiliated			2021-03-31 16:10:30		Insulation Inspection** Fuel Type	Yes Natural Gas
esponsible for, and can	not guarantee, the accur	racy or completeness of the in	formation contained in this doc	ument.	тоттацоп ирюацей ву	y third parties not aniliated	with or related	u to Cheeks. III	ereiore, Cheeks is not	Ç	Uniform Energy Factor (Tank Si	ize) 0.81(0) x2
SERTIFICATE OF	COMPLIANCE	DECIDENTIAL DEDEC	NOMANICE COMPLIAN	CE METUOD					CEAR PRE 04	I	Distribution	Recirculation(Deman
			DRMANCE COMPLIAN		n Doto/Time: 16	:07 Mod Mar 21 20	21		CF1R-PRF-01		-	I-Value SHGC
•	957 Rincon Ridge E eription: 3957 Rind				Name: FF4578R	:07, Wed, Mar 31, 20 PR ribd16	2 I		Page 2 of 11			0.32 0.35 0.32 0.35
alculation Desc	ription. 3937 Kind	Con Ridge Drive		iliput riie	Name. FF4576K	IK.IIbu IV						0.32 0.35
IEDO EE ATUDE O	LIBABA A DV										French Door	0.32 0.35
HERS FEATURE SI		as that must be field verifi	ed by a certified HERS Rat	or oo o condition	a for mosting the m	adalad anargy parform	ance for this	oomnutor on	alvois. Additional datail in		Date of Plans: 3/	2/21
	ling components table		ed by a certilled HERS Rai	er as a condition	Tior meeting the m	lodeled effergy perform	ance for this	s computer and	alysis. Additional detail is		NOTE TO BUILDERS: A HERS certified Rater in employed by the owner, the engineer or architect	is required to perform all tests & inspect
Building-level Verif											contractor or rater. ** Due to the stringencies of the California Energy	_
 High quality inst IAQ mechanical 	ılation installation (ventilation	QII)									ceiling areas due to the risk of not meeting the c **Builders are strongly encouraged to enforce	quality insulation inspection requirement ce strict Title 24 compliance with all s
Cooling System Ve	erifications:										complications including but not limited to sa	mpling protocol, CF-3R closing dela
Minimum AirflowVerified EER	<i>'</i>										Z:\Projects\Farrell-Faber\3957 Rinco	on Ridge Drive\T-24\Datashe
Fan Efficacy Wat WAC Distribution	tts/CFM System Verification										Z. w rojectow union r uboriceor runos	ATTRIAGO DINO(T 2 NDARAONO)
 Duct Sealing 												
	ntirely in conditione er System Verificatio	d space confirmed by do	uct leakage testing									
None												
BUILDING - FEATU	IRES INFORMATION	N										
01		02	03	04		05	06		07			
_	. 1		Number of Dwelling	In p 7	. 1		umber of Ve		Number of Water			
Project N		nditioned Floor Area (ft ²)	Units	Number of Be	drooms Numb	per of Zones	Cooling Sy	ystems	Heating Systems			
3957 Rincon R	idge Drive	4578	1	4		2	0		1			
ZONE INFORMATION	ON											
01		02	03		04	05	06		07			

	nplies with Computer Perio						CEC-annroyed HERS	provider.
<u> </u>	g incorporates features that g incorporates one or more		-	on by a certified HEF	S rater under th	e supervision of a	OLO-approved filero	
Tills building	j incorporates one or more	Special Features shown	Delow	DC				
			NERGY USE S	SUMMARY				
04		05		06		07	08	
Energy Use (kTDV	/ft ² -yr)	Standard Design	F	Proposed Design	Comp	pliance Margin	Percent Impr	ovement
Space Heating		17.93		13.14		4.79	26.7%	
Space Coolin	_	2.98		7.35		-4.37	-146.6	
IAQ Ventilatio Water Heating		0.87 4.70	-	0.87 4.99		-0.29	0.0% -6.2%	
Photovoltaic Of				0.00		0.00		
Compliance Energy	y Total	26.48		26.35		0.13	0.5%	
SPECIAL FEATURES	<u> </u>							
are features that mus	st be installed as condition fo	r meeting the modeled en	ergy performar	nce for this computer	analysis.			
below roof deck	ny location other than attic	1						
tion with demand co		, 						
Number: 421-P01004	45491A-000-000-0000000-00	000 Registratio	n Date/Time:	04/01/2021 08:27		HERS	Provider: CHEERS	
	idards - 2016 Residential Co		sion - CF1R-01		I hy third parties not		t Generated at: 2021-03	
and cannot guarantee, th	ted by ConSol Home Energy Effici e accuracy or completeness of the	e information contained in this	document.	sing information aploaded	by time parties not	armated with or relate	ed to CHEEKS. Therefore, Cr	LENS IS HOL
TE OF COMPLIAN	ICE - RESIDENTIAL PER	REORMANCE COMPLIA	ANCE METH	IOD				CF1R-PRF-0
ne: 3957 Rincon R				lation Date/Time:	16:07, Wed, Ma	ır 31, 2021		Page 2 of 1
	7 Rincon Ridge Drive			File Name: FF4578		, -		
URE SUMMARY								
is a summary of the ne building componen	features that must be field-ve	erified by a certified HERS	Rater as a con	ndition for meeting the	modeled energy	performance for thi	s computer analysis. Ac	ditional detail is
el Verifications:								
ity insulation installa	ation (QII)							
tem Verifications:								
Airflow ER								
cy Watts/CFM oution System Verifi	cations:							
ng ited entirely in cond	itioned space confirmed by	y duct leakage testing						
t Water System Ver		- 0						
EATURES INFORM	ATION			7				
01	02	03		04	05	06	; l	07
		Number of Dwellin		7/		Number of \		ber of Water
ject Name	Conditioned Floor Area (` '	Number o		mber of Zones	Cooling S		ng Systems
con Ridge Drive	4578	1		4	2	0	,	1
MATION								
01	02	03	FF	04 Zone Floor Area	05	06		07
e Name	Zone Type	HVAC System I	Name	(ft ²)	Avg. Ceiling Height	Water Heating	System 1 Water Hea	ting System 2
d Floor	Conditioned	HVAC		1843	10	DHW		n/a
t Floor	Conditioned	HVAC		2735	10	DHW		n/a
Energy Efficiency Star current has been genera and cannot guarantee, th TE OF COMPLIAN ne: 3957 Rincon R	45491A-000-000-0000000-00 dards - 2016 Residential Col ted by ConSol Home Energy Effici e accuracy or completeness of the ICE - RESIDENTIAL PER idge Drive 7 Rincon Ridge Drive	mpliance Report Ver ency Rating System Services, e information contained in this	sion - CF1R-01 Inc. (CHEERS) us document.	sing information uploaded	l by third parties not	Repor		31 16:10:30 IEERS is not
IRFACES			Input I	lation Date/Time: File Name: FF4578		,		CF1R-PRF-0 Page 3 of 1
01			Input I					
Name	02		03	File Name: FF4578	BRR.ribd16	06	07	Page 3 of 1
	Zone		03 nstruction	File Name: FF4578	05 Orientation	06 Gross Area (ft ²)	Window & Door Area (Page 3 of 1 08 ft²) Tilt (deg)
	Zone 2nd Floor	R-19	03 nstruction Wall Siding	### 190 Pile Name: FF4578	05 Orientation Front	06 Gross Area (ft²) 433	Window & Door Area (08 ft²) Tilt (deg) 90
nt 2x6 Wall	Zone 2nd Floor 2nd Floor	R-19	03 nstruction	04 Azimuth 90 90	05 Orientation Front Front	06 Gross Area (ft²) 433 240	Window & Door Area (77.5 120	Page 3 of 1 08 ft²) Tilt (deg)
nt 2x6 Wall t 2x6 Wall	Zone 2nd Floor	R-19	03 Instruction Wall Siding	### 190 Pile Name: FF4578	05 Orientation Front	06 Gross Area (ft²) 433	Window & Door Area (08 ft²) Tilt (deg) 90 90
nt 2x6 Wall t 2x6 Wall 6 Wall - Siding	Zone 2nd Floor 2nd Floor 2nd Floor	R-19 F F R-19	03 Instruction Wall Siding Instruction	O4 Azimuth 90 180	05 Orientation Front Front Left	06 Gross Area (ft²) 433 240 445	Window & Door Area (77.5 120 132.5	Page 3 of 1 08 ft²) Tilt (deg) 90 90 90
nt 2x6 Wall t 2x6 Wall 6 Wall - Siding 6 Wall - Siding	Zone 2nd Floor 2nd Floor 2nd Floor 2nd Floor 2nd Floor	R-19 F F R-19 R-19	03 Instruction Wall Siding Instruction Wall Siding Instruction Wall Wall Siding	04 Azimuth 90 90 180 180	05 Orientation Front Front Left Left	06 Gross Area (ft²) 433 240 445 140	77.5 120 132.5 37.5	08
at 2x6 Wall t 2x6 Wall t 2x6 Wall - Siding 6 Wall - Siding k 2x6 Wall	Zone 2nd Floor	R-19 F R-19 R-19 F	03 Instruction Wall Siding Instruction Wall Siding Instruction Wall Siding Wall Siding Wall Siding Instruction Wall Wall Instruction Wall Wall Wall Wall Wall Wall Wall Wal	90 90 180 180 270 0	05 Orientation Front Front Left Left Back Back Right	06 Gross Area (ft²) 433 240 445 140 435 225 490	77.5 120 132.5 37.5 106 0 129	90 90 90 90 90 90 90
nt 2x6 Wall t 2x6 Wall t 2x6 Wall Wall - Siding Wall - Siding k 2x6 Wall nt 2x6 Wall Wall - Siding	Zone 2nd Floor	R-19 F F R-19 R-19 F F R-19	03 Instruction Wall Siding Instruction Wall Siding Instruction Wall Siding Wall Siding Wall Siding Instruction Wall Siding Wall Siding Wall Siding	90 90 180 180 270 270 0	05 Orientation Front Front Left Left Back Back Right Right	06 Gross Area (ft²) 433 240 445 140 435 225 490 95	77.5 120 132.5 37.5 106 0 129	90 90 90 90 90 90 90 90 90
nt 2x6 Wall t 2x6 Wall t 2x6 Wall S Wall - Siding 6 Wall - Siding k 2x6 Wall nt 2x6 Wall 6 Wall - Siding	Zone 2nd Floor	R-19 F F R-19 R-19 F F	03 Instruction Wall Siding Instruction Wall Siding Instruction Wall Siding Wall Siding Instruction Wall Siding Wall Siding Instruction Wall Siding Wal	90 90 180 270 270 0 0 0 0 0 0 0 0 0 0 0 0 0 0	05 Orientation Front Front Left Left Back Back Right Right n/a	06 Gross Area (ft²) 433 240 445 140 435 225 490 95 1793	77.5 120 132.5 37.5 106 0 129 0 n/a	90 90 90 90 90 90 90 90 90 90 90 90 90 9
at 2x6 Wall t 2x6 Wall t 2x6 Wall S Wall - Siding 6 Wall - Siding k 2x6 Wall at 2x6 Wall 6 Wall - Siding Roof J Platform	Zone 2nd Floor	R-19 F R-19 R-19 F R-19	03 Instruction Wall Siding Instruction Wall Siding Instruction Wall Siding Wall Siding Wall Siding Instruction Wall Siding Wall Siding Wall Siding	90 90 180 270 270 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	05 Orientation Front Front Left Left Back Back Right Right n/a n/a	06 Gross Area (ft²) 433 240 445 140 435 225 490 95 1793 50	77.5 120 132.5 37.5 106 0 129 0 n/a n/a	90 90 90 90 90 90 90 90 n/a n/a
nt 2x6 Wall t 2x6 Wall s Wall - Siding 6 Wall - Siding k 2x6 Wall nt 2x6 Wall Roof Wall - Siding J Platform S Wall 2 - Siding	Zone 2nd Floor	R-19 F R-19 R-19 R-19 F R-19 F R-19 R-19 R-19 R-19 R-19	03 Instruction Wall Siding I-19 Wall Wall Siding Wall Siding Wall Siding I-19 Wall I-19 Wall Wall Siding I-19 Wall I-19 Wall I-19 Wall Wall Siding I-19 Wall	90 90 180 270 270 0 0 0 0 0 0 0 0 0 0 0 0 0 0	05 Orientation Front Front Left Left Back Back Right Right n/a	06 Gross Area (ft²) 433 240 445 140 435 225 490 95 1793	77.5 120 132.5 37.5 106 0 129 0 n/a	90 90 90 90 90 90 n/a
t 2x6 Wall 2x6 Wall 2x6 Wall Wall - Siding Wall - Siding X 2x6 Wall t 2x6 Wall Mall Wall - Siding Roof Platform Wall 2 - Siding 2x6 Wall 2	Zone 2nd Floor 1st Floor	R-19 F R-19 R-19 R-19 F R-19 F R-19 F R-19 F R-19	03 Instruction Wall Siding I-19 Wall Wall Siding Wall Siding Wall Siding I-19 Wall Wall Siding I-19 Wall Wall Siding I-19 Wall Wall Siding I-0 Roof Wall Siding Wall Siding	90 90 180 270 270 0 0 n/a n/a 90	05 Orientation Front Front Left Left Back Back Right Right n/a n/a Front	06 Gross Area (ft²) 433 240 445 140 435 225 490 95 1793 50 463	77.5 120 132.5 37.5 106 0 129 0 n/a n/a 308.5	90 90 90 90 90 90 90 90 90 90 90 90 90 9
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CHEERS

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procedures.

Registration Number: 421-P010045491A-000-000-000000-0000 Registration Date/Time: 04/01/2021 08:27

CA Building Energy Efficiency Standards - 2016 Residential Compliance Report Version - CF1R-01162019-1149

Floor Over Crawlspace

Right Wall - Garage

NOTE: The loads shown are only one of the criteria affecting the selection of HVAC equipment. Other relevant design factors such as airflow requirements, outdoor design temperatures, coil sizing, availability of equipment, oversizing safety margin, etc, must also be considered. It is the HVAC designer's responsibility to consider all factors when selecting the HVAC equipment. Mechanical Contractor must warrant the installed system to meet all Energy Star requirements if applicable. The minimum size of the residential heating systems is regulated by the California Building Code (CBC), Section 310.11. The CBC requires that the heating system be capable of maintaining a temperature of 70° at a distance three feet above the floor throughout the conditioned space of the building. California Living & Energy does not warrant or assume responsibility for performance or installation of any equipment labeled or alluded to on any calculation produced by California Living & Energy. Builder and all sub-contractors working on the project involving Title-24 understand and accept all aspects of the Title-24 submitted to building department pertaining to their work. All subcontractors are responsible to contact the builder and California Living & Energy before beginning work if there is any error in any

calculation that would prevent the Sub-Contractor from warranting the performance of his product which includes any Energy Star

Job#27500 AN CONSERVATION FOR THE CALIFORNIA LIFESTYLE CL&E A Division of William Lilly & Associates
Title 24 Compliance-Residential/Non-Residential
3015 Dale Court
Ceres, CA 95307
Ph: 209-538-2879 Fx: 209-538-2885 Climate Zone 2 2016 Code Compliance

Re: 3957 Rincon Ridge Drive in Santa Rosa, CA

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ceiling areas due to the risk of not meeting the quality insulation inspection requirements.

**Builders are strongly encouraged to enforce strict Title 24 compliance with all subcontractor scopes of work. Modifications to Title 24 specifications during construction may result in complications including but not limited to sampling protocol, CF-3R closing delays, state registry errors, and/or loss of rebates plus no CF-3R at final.

ciate

Ridge sa, cA

REVISIONS no. date remarks

4/1/21 27500 JOB NO:

> SHEET TITLE **ENERGY**

CALCULATIONS SHEET

Building Maintenance and Operation			
4.410.1 Operation and maintenance manual. At the time of final inspection, a manual which includes all of the following shall be placed in the building:	\boxtimes		CALGreen Inspector
 Directions to the owner or occupant that the manual shall remain with the building throughout the life cycle of the structure. Operation and maintenance instructions for; equipment and appliances, roof and yard drainage, space conditioning systems, landscape irrigation systems, and water reuse systems. Information on local recycle programs and locations. Public transportation and/or carpool options available in the area. Educational material on the positive impacts of interior relative humidity between 30-60%. Information about water-conserving landscape and irrigation design and controllers which conserve water. Instructions for maintaining gutters and downspouts and importance of diverting water at least 5ft. away from the foundation. Information on required routine maintenance measures including caulking, painting, grading around the house, etc. Information about state solar energy and incentive programs available. A copy of all special inspection verifications required by the enforcing agency or this code. 			
Innovative Concepts and Local Environmental Conditions			
A4.411.1 Innovative concepts and local environmental conditions. Items in this section are necessary to address innovative concepts or local environmental conditions.			Chief Building Official
Item:			
4.5 and A4.5 ENVIRONMENTAL QUALITY	All checked items are required	Select at least one (1) elective measure from A4.5	Select all measures verified in the completed project
Fireplaces			
4.503.1 Fireplaces. Install only a direct-vent or sealed-combustion gas fireplace. Wood-pellet stove shall comply with EPA New Source Performance Standards (NSPS) or local ordinances. (Support documentation may be required at application submittal.)			CALGreen Inspector
Pollutant Control			*All by CALGreen Inspector
4.504.1 Covering of duct openings and protection of mechanical equipment during construction. At the time of rough installation, during storage on the site and until final startup of the HVAC equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheetmetal or other methods acceptable to the enforcing agency to reduce the amount of water, dust and debris, which may enter the system.			*

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CALGreen Inspector

A4.405.3.1 Recycled content. Use materials, equivalent in performance		
o virgin materials, with total (combined) recycled content value (RCV) for not less than 10% of the total material cost of the project. (Tier 1)		CALGreen Inspector
NOTE: See local jurisdiction for alternatives due to unreasonable determination of this measure.		
For the purposes of this section, materials used as components of the structural frame shall not be used to calculate recycled content.		
A4.405.3.1.1 Total material costs: The total material cost is the total estimated or actual cost of materials and assembly products used in the project. The required total recycled content value for the project (in dollars) shall be determined by Equation A4.4-1 or A4.4-2		
Equation A4.4-1 Simplified method: To obtain the total cost of the project multiply the square footage of the structure by the square foot valuation established by the enforcing agency. The total material cost is 45% of the total cost of the project.	⊠ or	
Equation A4.4-2 Detailed method: To obtain the total cost of the project, add the estimated and/or actual costs of materials. The total estimated costs shall not include fees, labor and installation costs, overhead, appliances, equipment, furniture or furnishings.		
A4.405.3.1.2 Determination of total recycled content value (RCV). Total RCV may be determined either by dollars or percentage as noted below.		
Equation A4.4-4 Total RCV (in dollars): Total recycled content value of the materials (RCVm) and/or assemblies (RCVa) in dollars. The result may be directly compared to Equations 4.4-1 or A4.4-2 to determine compliance with Tier 1 prerequisite.	⊠ or	
Equation A4.4-5 Total RCV (by percentage): Total recycled content value (percent) = [Total Recycled Content Value (dollars) ÷ Total Material Costs (dollars)] x 100. The result of this calculation may be directly compared for compliance with Tier 1 prerequisite.		
A4.405.3.1.3 Determination of recycled content value of materials (RCVm). The recycled content value of each material (RCVm) is calculated by multiplying the cost of material, as defined by recycled content. See equations A4.4-6 and A4.4-7.		
Equation A4.4-6 RCVm (dollars) = Material costs (dollars) x RCm (percent)	⊠ or	
Equation A4.4-7 RCm (percent) = Postconsumer percentage + (1/2) preconsumer content percentage.		
Note: If the manufacturer does not separately identify the pre- consumer and post-consumer recycled content of a material but reports it as a total single percentage, 1/2 of the total shall be considered preconsumer and 1/2 shall be considered postconsumer.		
A4.405.3.1.4 Determination of recycled content value of assemblies (RCVa). The recycled content value of assemblies (RCVa) is calculated by multiplying the total cost of assembly by the total recycled content of the assembly (RCa), and shall be determined by Equation A4.4-8		

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Feature or Measure	Required	Electives	Verification by
A4.303.3 Appliances. Dishwashers and clothes washers in residential buildings shall comply with the following:			CALGreen Inspector
Install at least one qualified ENERGY STAR appliance with maximum water use as follows:			
Standard Dishwashers – 4.25 gallons per cycle.			
Compact Dishwashers – 3.5 gallons per cycle			
3. Clothes washers – water factor of 6 gallons per cubic feet of drum capacity.			
A4.303.4 Nonwater supplied urinals and waterless toilets. Nonwater supplied urinals or composting toilets are installed.			CALGreen Inspector
Note: Check with local jurisdiction on code requirements.			
A4.303.5 Hot Water Recirculation. One- and two-family dwellings shall be equipped with a demand hot water recirculation system.			CALGreen Inspector
Outdoor Water Use			All Outdoor Water Use
See Santa Rosa City Code Chapter 14-30, Water Efficient Landscape Ordinance			verified by City Water Efficient Landscape Ordinance Staff
4.304.1 Water budget. A water budget shall be developed for landscape irrigation per Santa Rosa City Code Chapter 14-30.			
Reduce the use of potable water to a quantity that does not exceed 0.55 of ETo times the landscape area. (Support documentation required at application submittal.)			
Automatic irrigation systems installed at the time of final inspection shall be weather-based or soil-based with rain sensor.			
Note: See Santa Rosa Water Efficient Landscape Ordinance			
A4.304.1 Rainwater systems. A rainwater capture, storage and re-use system is designed and installed to use rainwater generated by at least 65% of the available roof area (per California Plumbing Code).			
Description of proposed measures:		Sheet: L	Detail:
A4.304.2 Potable water elimination. A landscape design is installed which does not utilize potable water. (Support documentation required at application submittal.)			
A4.304.3 Irrigation metering device. For new water service connections, landscaped irrigated areas more than 2,500 sq. ft. shall be provided with separate submeters or metering devices for outdoor potable water use.			
WATER REUSE SYSTEMS			
A4.305.1 Graywater. Alternate plumbing piping is installed to permit the discharge from the clothes washer or other fixtures to be used for an irrigation system in compliance with the California Plumbing Code.			CALGreen Inspector

Feature or Measure	Required	Electives	Verification by
A4.106.6 Vegetated roof. Install a vegetated roof for at least 50% of the roof area.			CALGreen Inspecto
A4.106.7 Reduction of heat island effect for nonroof areas. Reduce nonroof heat islands for 50% of sidewalks, patios, driveways or other paved areas by using one or more of the methods listed in #1 – 5.			CALGreen Inspector
4.106.4 Provide capability for electric vehicle charging in one- and two- family dwellings and in townhouses with attached private garages; and 3 percent of total parking spaces, as specified, for multifamily dwellings. Install a listed raceway to accommodate a dedicated 208/240 branch circuit.			City Plan Check staff
A4.106.8 Electric vehicle (EV) charging. Dwellings shall comply with the following requirements for the future installation of electric vehicle supply equipment (EVSE)			CALGreen Inspector
A4.106.8.1 Tier 1 for one- and two-family dwellings and townhouses with attached private garages. Install a dedicated 208/240 volt branch circuit, including an overcurrent protective device rated at 40 amperes minimum per dwelling unit.	As applicable		
A4.106.8.2 Tier 1 for multifamily dwellings. Provide capability for future electric vehicle charging in 5 percent of total parking spaces, as specified (if 17 or more multifamily dwelling units).			
Description of proposed measures:		Sheet:	Detail:
A4.106.9 Bicycle parking. Comply with Sections A4.106.9.1 through A4.106.9.3 or meet local ordinance, whichever is more stringent.			
Exception: Spaces may be reduced as approved by enforcing agency, due to building site characteristics, including but not limited to, isolation from other development.			
A4.106.9.1 Short-term bicycle parking. Provide permanently anchored bicycle racks within 100 ft. of the visitor's entrance for 5% of visitor motorized vehicle parking capacity with a minimum of one 2-bike capacity.			
A4.106.9.2 Long-term bicycle parking for multifamily buildings. Provide on-site conveniently reached bicycle parking facilities for at least one bicycle per every 2 dwelling units			
A4.106.9.3 Long-term bicycle parking for hotel and motel buildings. Provide one on-site conveniently reached bicycle parking facilities for every 25,000 sq. ft., but not less than 2.			
Description of proposed measures:		Sheet:	Detail:



2016 CALGreen+Tier 1 Checklist

(Based on CALGreen + Tier 1) Applies to building permit applications received on or after January 1, 2017, for newly constructed hotels, motels, lodging houses, dwellings, dormitories, condominiums, shelters, congregate residences, employee housing, factory-built housing and other types of dwellings containing sleeping accommodations with or without common toilet or cooking facilities including accessory buildings, facilities and uses thereto. (Residential additions or alterations that increase conditioned space are subject to CALGreen. See separate checklist.) Repairs to existing structures are not subject to CALGreen at this time.)

Project Address: 3957 Rincon Ridge Drive Project Name: 3957 Rincon Ridge Drive

Project Description: Single Family New Construction 1. The Owner or the Owner's agent shall employ a qualified CALGreen Inspector, listed by the City of Santa Rosa Building Division, to perform CALGreen Inspector services and to verify and assure the Owner and the

Building Division that all required work described herein is properly planned and implemented in the project. 2. The CALGreen Inspector shall not be the design professional or contractor for the project and shall not have a financial interest in the project for which services are being provided except for the cost of providing said The CALGreen Inspector, in collaboration with the owner and the design professional, shall initially complete
Columns 1 and 2 of this checklist, sign and date the CALGreen Building Acknowledgements section at the end of this checklist and have the checklist printed on or attached to the approved plans for the project.

	nal inspection by the Building Division, the CALGreen Inspector, except when all complete Column 3 and provide verification of completion prior to final ins			
<u>Column 1</u> Feature or Measure	Colum Project Requ When checked, become a p approved plans installed or inco the pro	uirements these items art of the and must be irporated into	Column 3 Verification Complete after installation & prior to final inspection approval	
See Chapter 4 and Appendix A4 of the 2016 California Green Building Code and the local jurisdiction for complete descriptions of features or measures listed here.	Mandatory & Tier 1 Prerequisites	Tier 1 electives Applicant selects required elective measures	Verification by a 3rd party CALGreen Inspector or by local jurisdiction staff as noted below	

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CALGreen Building Acknowledgments	

Page 16 of 17

Project Address: 3957 Rincon Ridge Drive Project Description: Single Family New Construction

Complete all lines of Section 1- "Design Verification" and submit the completed checklist (Columns 1 and 2) with the plans and building permit application to the Building Division. The owner, design professional <u>and</u> the local jurisdiction Approved

CALGreen Inspector have reviewed the plans and certify that the items checked above are hereby incorporated into the project plans and will be implemented into the project in accordance with the requirements set forth in the 2016 California Green Building Standards Code as amended by the local jurisdiction.

Owner's Signature	Date
Owner Name (Please Print)	
Design Professional's Signature	Date
Design Professional's Name (Please Print)	
Jack Jack Jack Jack Jack Jack Jack Jack	12/17/19
Signature of Listed CALGreen Inspector	Date
Jeff Ruth	(209) 538-2879
Listed CALGreen Inspector's Name (Please Print)	Phone
jeff.ruth@califliving.com	
CALGreen Inspector's E-mail Address	

Section 2 - Implementation Verification Complete, sign and submit the completed checklist, including Column 3, together with all original signatures on Section 2 – "Implementation Verification" to the Building Department prior to Building Division final inspection. I have inspected the work have received sufficient documentation to verify and certify that the project identified above was constructed in accordance with this Green Building Checklist and in accordance with the requirements set forth in the 2016 California Green Building Standards Code as amended by the local jurisdiction.

Listed Approved CALGreen Inspector Signature CALGreen Inspector's Name (Please Print) Phone (if different than above)

CALGreen Inspector's E-mail Address (if different than above)

PREPARED BY:

DANIEL DIAZ

ICC # 8322183 HERS RATER # CC2004787

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added formaldehyde resins or ultra-low emitting formaldehyde resins.		
4.504.2 Finish material pollutant control. Finish materials shall comply with this section:		
4.504.2.1 Adhesives, sealants and caulks shall be compliant with VOC and other toxic compound limits in <i>CALGreen</i> Table 4.504.1 or 4.504.2 as applicable.		*
4.504.2.2 Paints, stains and other coatings shall be compliant with VOC limits in <i>CALGreen</i> Table 4.504.3.		*
4.504.2.3 Aerosol paints and other coatings shall be compliant with product weighted MIR Limits for ROC and other toxic compounds and BAAQMD (Bay Area Air Quality Management District) VOC limits.		*
4.504.2.4 If requested by enforcing agency, documentation shall be provided to verify that compliant VOC limit finish materials have been used.		*□
A4.504.2 Resilient flooring systems. At least 90% of the resilient flooring systems installed in the building shall comply with the VOC-emission limits defined in at least one of the 4 listed criteria in Section A4.504.2 (Tier 1) (supercedes 4.504.4)		**
Note: Documentation must be provided that verifies that finish materials are certified to meet the pollutant emission limits in this section.		
4.504.3 Carpet systems. Carpet and carpet systems shall meet the testing and product requirements of one of the listed items, 1 – 4 in Section 4.504.3.		*
4.504.3.1 All carpet cushion installed shall meet the requirements of the Carpet and Rug Institute's Green Label program.		*□
4.504.3.2 All carpet adhesive shall meet the requirements of Table 4.504.1		*
A4.504.3 Thermal insulation. Install thermal insulation in compliance with the VOC-emission limits defined in Collaborative for High Performance Schools (CHPS) Low-emitting Materials List. (Tier 1)		*
Note: Documentation must be provided that verifies that finish materials are certified to meet the pollutant emission limits in this section.		
4.504.5 Composite wood products. Hardwood plywood, particleboard and medium density fiberboard (MDF) products use on the interior or exterior shall meet the requirements for formaldehyde as specified in the ARB's Air Toxics Control Measure for Composite Wood as shown in Table 4.504.5		*□
4.504.5.1 Documentation. Verification of compliance with this section shall be provided as requested by the enforcing agency.		

A4.504.1 Compliance with formaldehyde limits. Use composite wood

products made with either California Air Resources Board approved no-

One or more of the following materials manufactured from rapidly renewable sources or agricultural by-products is used.		CALGreen Inspector
 Insulation Bamboo or cork Engineer products Agricultural based products. Other products acceptable to enforcing agency. 		
(Support documentation required at application submittal.)		
Enhanced Durability and Reduced Maintenance		
4.406.1 Rodent proofing. Annular 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 openings with cement mortar, concrete masonry or similar method acceptable to the enforcing agency.		CALGreen Inspecto
Water Resistance and Moisture Management		
A4.407.1 Drainage around foundation. Install foundation and landscape drains which discharge to a dry well, sump, bioswale or other approved location.		CALGreen Inspecto
Description of proposed measures:	Sheet: Detail:	
A4.407.2 Roof drainage. Install gutter and downspout systems to route water at least 5 feet away from the foundation or connect to landscape drains which discharge to a dry well, sump, bioswale, rainwater capture system or other approved on-site location.		CALGreen Inspecto
Description of proposed measures:	Sheet:	Detail:
A4.407.3 Flashing details. Provide flashing details on the building plans		City Plan Check staff
and comply with accepted industry standards or manufacturers instructions.		
and comply with accepted industry standards or manufacturers	Sheet:	Detail:
and comply with accepted industry standards or manufacturers instructions.	Sheet:	Detail: CALGreen Inspecto
and comply with accepted industry standards or manufacturers instructions. Description of proposed measures: A4.407.4 Material protection. Protect building materials delivered to the		CALGreen Inspecto
and comply with accepted industry standards or manufacturers instructions. Description of proposed measures: A4.407.4 Material protection. Protect building materials delivered to the construction site from rain and other sources of moisture. A4.407.6 Door protection. Exterior doors to the dwelling are protected by		CALGreen Inspecto

Feature or Measure	Required	Electives	Verification by
4.305.2 Recycled water piping. Based upon projected availability, dual vater piping is installed for future use of recycled water at interior and xterior locations. Interior piping for use of recycled water for water losets, urinals and floor drains. Exterior piping to transport recycled water om the point of connection to the structure.			CALGreen Inspector
4.305.3 Recycled water for landscape irrigation. Recycled water is sed for landscape irrigation.			CALGreen Inspector
Innovative Concepts and Local Environmental Conditions			
A4.306.1 Innovative concepts and local environmental conditions. Items in this section are necessary to address innovative concepts or local environmental conditions. These items must be approved by the Building Division prior to listing here.			Chief Building Official
ltem:			

Feature or Measure	Required	Electives	Verification by
A4.106.10 Light pollution reduction. Outdoor lighting systems shall be designed and installed to comply with the following:			CALGreen Inspector
 The minimum requirements in the California Energy Code for Lighting Zones 1-4 as defined in Chapter 10 of California Administrative Code; and 			
Backlight, Uplight and Glare (BUG) ratings as defined in IES TM- 15-11; and			
 Allow BUG ratings not exceeding those shown in Table A4.106.10 			
Exceptions:			
 Luminaires that qualify as exceptions in the California Energy Code, 			
2. Emergency lighting			
3. One and two family dwellings			
Description of proposed measures:		Sheet: L	Detail:
Innovative Concepts and Local Environmental Conditions			
Innovative Concepts and Local Environmental Conditions A4.108.1 Items in this section are necessary to address innovative concepts or local environmental conditions These items must be approved by the Building Department prior to listing here.			Chief Building Official
A4.108.1 Items in this section are necessary to address innovative concepts or local environmental conditions These items must be approved			Chief Building Official
A4.108.1 Items in this section are necessary to address innovative concepts or local environmental conditions These items must be approved by the Building Department prior to listing here.			, and the second
A4.108.1 Items in this section are necessary to address innovative concepts or local environmental conditions These items must be approved by the Building Department prior to listing here.			· ·
A4.108.1 Items in this section are necessary to address innovative concepts or local environmental conditions These items must be approved by the Building Department prior to listing here.	All checked items are required		· ·
A4.108.1 Items in this section are necessary to address innovative concepts or local environmental conditions These items must be approved by the Building Department prior to listing here. Item 1:	All checked items are		Select all measures verified in the

4.1 AND A4.1 PLANNING AND DESIGN	All checked items are required for the project	Select at least two (2) elective measures from A4.1	Select all measures verified in the completed project
Site Selection			
Feature or Measure	Required	Electives	Verification by
A4.103.1 Selection. A site which complies with at least one of the following characteristics is selected: (Support documentation required at application submittal.) 1. An infill site is selected. 2. A greyfield site is selected. 3. An EPA-recognized and remediated Brownfield site is selected.			City Plan Check sta
A4.103.2 Facilitate community connectivity by one of the following methods: 1. Locate project within a 1/4-mile true walking distance of at least 4 basic services;			CALGreen Inspect
Locate project within 1/2-mile true walking distance of at least 7 basic services; Other methods increasing access to additional resources.			
Site Preservation			
A4.104.1 Individuals with oversight authority on the project who have been trained in areas related to environmentally friendly development can teach green concepts to other members of the development staff and ensure that training is provided to all parties associated with the project. Prior to beginning the construction activities, all parties involved with the development process shall receive a written guideline and instruction specifying the green goals of the project.			CALGreen Inspect
Deconstruction and Reuse of Existing Materials			
A4.105.1 Existing buildings on the site are deconstructed and the salvaged materials (which must comply with current building standards) are reused.			CALGreen Inspect
A4.105.2 Materials which can be easily reused include but are not limited to the following: 1. Light fixtures 2. Plumbing fixtures 3. Doors and trim 4. Masonry 5. Electrical devices 6. Appliances 7. Foundations or portions of foundations			
Site Development			
4.106.2 Storm water drainage and retention during construction. Newly constructed projects which disturb less than one acre of land shall prevent the pollution of storm water runoff from the construction activities by complying with lawfully enacted storm water management and/or erosion control ordinances. See Santa Rosa City Code Chapter 17-12.			City Building Inspect
Description of proposed measures:		Sheet: L	ı Detail:

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CALGREEN STANDARDS CODE
THIS SHEET CONTAINS ALL THE MINIMUM RESIDENTIAL MANDATORY MEASURES AND ENVIRONMENTAL CODE FEATURES REQUIRED FOR COMPLIANCE BY THE CALIFORNIA CODE OF REGULATIONS TITLE 24, PART 11. WHEN FEATURES ARE INCORPORATED INTO THE ARCHITECTURAL PLANS THE DESIGN WILL BE IN COMPLIANCE WITH THE 2016 CALGREEN CODE.
IT IS THE RESPONSIBILITY OF THE OWNER, BUILDER OR GENERAL CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION TO COMPLY WITH THESE MEASURES AND TO SUBMIT DOCUMENTATION OF CONFORMANCE FOR APPLICABLE GREEN BUILDING MEASURES TO THE ENFORCING AGENCY.

Interior Moisture Control			
4.505.2 Concrete slab foundations. Concrete slab foundations required to have a vapor retarder by the California Building Code, Chapter 19, or the California Residential Code, Chapter 5, shall comply with this section.			City Building Inspector
4.505.2.1 Capillary break. A capillary break shall be installed in compliance with at least one of the following:	\boxtimes		
 A 4" thick base of ½" or larger clean aggregate w/vapor barrier in direct contact with concrete Other methods approved by the enforcing agency. A slab design specified by a licensed designed professional. 			
Description of proposed measures:		Sheet:	Detail:
4.505.3 Moisture content of building materials. Building materials with visible signs of water damage shall not be installed. Wall and floor framing shall not be enclosed when the framing members exceed 19% moisture content. Moisture content shall be verified in compliance with the following:			CALGreen Inspecto
 By a probe-type or contact-type moisture meter or other equivalent methods approved by the enforcing agency. Readings shall be taken at a point 2 ft. to 4 ft. from the grade stamped end of each piece to be verified. Minimum 3 random reading shall be performed on wall and floor framing with documentation provided to enforcing agency. 			
Indoor Air Quality and Exhaust			
4.506.1 Bathroom exhaust fans. Each bathroom shall be mechanically ventilated and shall comply with the following: 1. Fans shall be ENERGY STAR compliant and ducted to terminate outside the buildings. 2. Unless functioning as a whole house ventilation system, fans must be humidity controlled. Controls must be capable of adjustment between 50-80% humidity range. Humidity control may be a separate component to the exhaust fan and is not required to be integral or built-in.			CALGreen Inspecto
Note: A bathroom is a room which contains a bathtub, shower, or combination shower/tub.			
A4.506.1 Filters. Return air filters with a value greater than MERV 6 shall be installed on HVAC systems. Pressure drop across the filter shall not exceed 0.1 inches water column.			CALGreen Inspect
A4.506.2 Construction filter (High-Rise Residential). Provide filters on return air openings rated at MERV 6 or higher during construction.			CALGreen Inspect
A4.506.3 Direct-vent appliances. Direct-vent heating and cooling equipment shall be utilized if the equipment will be located in the conditioned space or install the space heating and water heating equipment in an isolated mechanical room.			CALGreen Inspecto

reuse a minimum of 65% of the nonhazardous construction waste in accordance with Section 4.408.2, 4.408.3, or 4.408.4. (Support documentation required at application submittal.) (See 4.408.5) Exceptions: 1. Excavated soil and land-clearing debris 2. Alternate waste reduction methods 3. Isolated job sites 4.408.2 Construction waste management plan. Submit a construction waste management plan that: 1. Identifies the construction waste materials to be diverted from disposal by efficient usage, recycling, reuse on the project or salvage for future use or sale. 2. Determines if construction waste materials will be sorted on-site or bulk mixed. 3. Identifies diversion facilities where construction waste material collected will be taken. 4. Identifies construction methods employed to reduce the amount of construction and demolition waste generated. 5. Specifies that the amount of construction waste materials diverted shall be calculated by weight or volume, but not by both. 4.408.3 Waste management company. Utilize a waste management company that can provide verifiable documentation that the percentage of construction waste material diverted from the landfill complies with A4.408.1 Tier 1 (see bellow). Note: The owner or contractor shall make the determination if the construction waste material will be diverted by a waste management company. 4.408.4 Waste Stream reduction alternative (Low-Rise Residential). Generate a total combined weight of construction and demolition waste that does not exceed 3.4 pounds per square foot of the building area.		ruction Waste Reduction, Disposal and Recycling	
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	enforc	ing agency which demonstrates compliance with this section.	

Feature or Measure	Required	Electives	Verification by
4.4 and A4.4 MATERIAL CONSERVATION AND RESOURCE EFFICIENCY	All checked items are required	Select at least two (2) elective measures from A4.4	Select all measures verified in the completed project
Foundation Systems			
A4.403.2 Reduction in cement use. Cement use in foundation mix design is reduced by not less than a 20 percent. (Tier 1) Note: As allowed by the enforcing agency, any design cement mix	\boxtimes		City Building Inspector
must be authorized and approved by Architect of Record.			
Efficient Framing Techniques			
A4.404.1 Lumber size. Beams and headers and trimmers are the minimum size to adequately support the load.			CALGreen Inspector
A4.404.2 Building dimensions & layouts. Building dimensions and layouts are designed to minimize waste in at least 80% of the structure.			CALGreen Inspector
 Building design dimensions in 2' increments Windows & doors are located at regular 16" or 24" o.c. stud positions. Other methods acceptable by enforcing agency. 			
A4.404.3 Building systems. Use pre-manufactured building systems to eliminate solid sawn lumber whenever possible.			CALGreen Inspector
A4.404.4 Pre-cut materials and details. Material lists are included in the plans which specify material quantity and provide direction for on-site cuts. (Support documentation required at application submittal.)			CALGreen Inspector
Material Sources			
A4.405.1 Prefinished building materials. One or more of the following building materials, that do not require additional resources for finishing are used:			CALGreen Inspector
 Exterior trim not requiring paint or stain. Windows not requiring paint or stain. Siding or exterior wall coverings which do not require paint or stain. 			
A4.405.2 Concrete floors. Floors that do not require additional coverings are used including but not limited to stained, natural, or stamped concrete floors.			CALGreen Inspector

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Feature or Measure	Required	Electives	Verification by
4.3 and A4.3 WATER EFFICIENCY AND CONSERVATION	All checked items are required	Select at least two (2) elective measure from A4.3	Select all measures verified in the completed project
Indoor Water Use			
4.303.1 Water conserving plumbing fixtures and fittings. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following: from other development.			CALGreen Inspector
4.303.1.1 Water closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per flush.			
4.303.1.2 Urinals. The effective flush volume of urinals shall not exceed 0.5 gallons per flush (0.125 for wall-mounted urinals).	\boxtimes		
4.303.1.3 Showerheads.			
4.303.1.3.1 Single Showerheads. Showerheads shall have a maximum flow rate of not more than 2.0 gallons per minute at 80 psi.			
4.303.1.3.2 Multiple Showerheads. When a shower is served by more than one showerhead, the combined flow rate of all the showerheads controlled by a single valve shall not exceed 2.0 gallons per minute at 80 psi., or the shower shall be designed to allow only one shower outlet to be in operations at a time.			
4.303.1.4 Faucets.			
4.303.1.4.1 Residential lavatory faucets. The maximum flow rate of residential lavatory faucets shall not exceed 1.2 gpm at 60 psi nor be less than 0.8 gpm at 20 psi.			
4.303.1.4.2 Lavatory faucets in common and public use areas. The maximum flow rate of lavatory faucets installed in common and public use areas (outside dwellings or sleeping units) in residential buildings shall not exceed 0.5 gpm at 60 psi.			
4.303.1.4.3 Metering faucets. Metering faucets when installed in residential buildings shall not deliver more than 0.25 gallons per cycle.	\boxtimes		
4.303.1.4.4 Kitchen faucets. The maximum flow rate of kitchen faucets may not exceed 1.8 gpm at 60 psi (May temporarily increase to 2.2 gpm). Note: Aerators OK if complying faucets not available.			
A4.303.1 Kitchen faucets and dishwashers. Kitchen faucets shall have a maximum flow rate not greater than 1.5 gallons per minute at 60 psi. (May temporarily increase to 2.2 gpm). Note: Aerators OK if complying faucets not available.			CALGreen Inspector
A4.303.2 Alternate water sources for nonpotable applications. Alternate nonpotable water sources are used for indoor potable water reduction. Alternate nonpotable water sources shall be installed in accordance with the California Plumbing Code.			CALGreen Inspector

Feature or Measure	Required	Electives	Verification by
A4.106.2 Soil analysis and protection. The soils at the building site are analyzed and protected as specified in this section.			City Plan Check staff
A4.106.2.1 Soil analysis. Soil analysis is performed by a licensed design professional and the findings utilized in the structural design of the building. (Support documentation required at application submittal.)			
A4.106.2.2 Soil protection. The effect of development on the building sites is evaluated and the soil is protected by one or more of the following:			City Building Inspecto
 Natural drainage evaluation and erosion controls implemented to minimize erosion. Site access is accomplished by minimizing the amount of cut and fill to install access roads/driveways. Underground construction activities are coordinated to utilize the same trench, minimize disturbed soil, and soil is replaced using accepted compaction methods. 			City Building Inspecto
A4.106.2.3 Displaced topsoil is stockpiled for reuse in designated area and covered or protected from erosion. (Tier 1)			
Description of proposed measures:	Sheet: Detail:		
4.106.3 Grading and paving. Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings. Examples of methods to manage surface water include swales, water collection and disposal systems, French drains, water retention gardens or other measures which keep surface			City Building Inspecto
water away from buildings and aid in groundwater recharge.			
water away from buildings and aid in groundwater recharge. Description of proposed measures:		Sheet: L	Detail:
		Sheet: L	City Water Efficient Landscape Ordinanc
Description of proposed measures: A4.106.3 Landscape design. Post construction landscape designs		Sheet: L	City Water Efficien
A4.106.3 Landscape design. Post construction landscape designs accomplish one or more of the following: 1. Areas disrupted during construction are restored to be consistent with native vegetation 2. Limit turf areas to not more than 50 percent (Tier 1). 3. Utilize at least 75 percent native Californian or drought tolerant plant and tree species appropriate for the climate zone region. 4. Hydrozoning irrigation techniques are incorporated into the			City Water Efficient Landscape Ordinand Staff
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Compliance

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