BMP LEGEND By using these standard plans, the user agrees to release the County of Tulare from any and all claims, BROW DITCH \Longrightarrow Sheet SHEET NAME liabilities, suits, and demands on account of any BERM \rightarrow B \rightarrow PDS 659 injury, damage, or loss to persons or property, SP-1 SITE PLAN DIRECTION OF LOT DRAINAGE \longrightarrow including injury or death, or economic losses, arising A1 FLOOR PLAN MATERIALS & WASTE MANAGEMENT BMPs: out of the use of these construction documents. The A2 FLECTRICAL PLAN use of these plans does not eliminate or reduce the MATERIAL DELIVERY & STORAGE A3 ELEVATIONS - FRONT & BACK VM-4 SPILL PREVENTION AND CONTROL user's responsibility to verify any and all information. A4 ELEVATIONS - RIGHT & LEFT CONCRETE WASTE MANAGEMENT A5 ROOF PLAN / TRUSS LAYOUT SOLID WASTE MANAGEMENT A6 SECTIONS SANITARY WASTE MANAGEMENT S1 FOUNDATION PLAN HAZARDOUS WASTE MANAGEMENT S2 ROOF FRAMING TEMPORARY RUNOFF CONTROL BMPs: CS-1 MIN. CONSTRUCTION SPECIFICATIONS PRESERVATION OF EXISTING
PEV
PEV
VEGETATION BONDED OR STABILIZED FIBER MATRIX ~M~M~(WINTER) HYDROSEEDING (SUMMER) ~TSP~TSP~ **GENERAL CODES** SS-6 / SS-8 STRAW OR WOOD MULCH ~ S/W~ S/W~ THIS PROJECT SHALL COMPLY WITH THE FOLLOWING BUILDING PHYSICAL STABILIZATION (WINTER) ~ EBM~EBM~ SS-7 CODES AND ASSOCIATED COUNTY OF TULARE AMENDMENTS ENERGY DISSIPATOR SS-10 -2022 CALIFORNIA RESIDENTIAL CODE -2022 CALIFORNIA BUILDING CODE
-2022 CALIFORNIA GREEN BUILDING STANDARDS CODE
-2022 CALIFORNIA ELECTRICAL CODE SC-1 SILT FENCE SC-2 SEDIMENT / DESILTING BASIN -2022 CALIFORNIA MECHANICAL CODE -2022 CALIFORNIA PLUMBING CODE SC-5 FIBER ROLLS —FR—FR— -2022 CALIFORNIA FIRE CODE
-2022 CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS SC-6 / SC-8 GRAVEL OR SAND BAGS COCO STREET SWEEPING AND VACUUMING DESIGN BASIS SC-10 STORM DRAIN INLET PROTECTION NS-2 DEWATERING FILTRATION — DW DW DW CONVENTIONAL LIGHT FRAME CONSTRUCTION STABILIZED CONSTRUCTION ENTRANCE TC-1 ROOF LIVE LOAD: 20 PSF JLTIMATE WIND SPEED: 110 MPH EXPOSURE CATEGORY: C CONSTRUCTION ROAD STABILIZATION TC-2 SITE CLASS: D RISK CATEGORY: II TC-3 ENTRANCE / EXIT TIRE WASH ops: 1.25 SEISMIC DESIGN CATEGORY: D₂ ALLOW SOIL VERTICAL BEARING PRESSURE: 1500 PSF ALLOW SOIL LATERAL BEARING PRESSURE: 100 PSF/FT OST-CONSTRCUTION SITE DESIGN BMPs 4.3.1 MAINTAIN NATURAL DRAINAGE PATHWAYS AND HYDROLOGIC FEATURES 4.3.2 CONSERVE NATURAL AREAS, SOILS, AND VEGITATION **ENERGY EFFICIENCY SPECIAL FEATURES** 4.3.3 MINIMIZE IMPERVIOUS AREA SPECIFY AS INDICATED IN CF1R FORM (TITLE 24): 4.3.4 MINIMIZE SOIL COMPACTION 4.3.5 IMPERVIOUS AREA DISPERSION 4.3.6 RUNOFF COLLECTION 4.3.7 LANDSCAPING WITH NATIVE OR DROUGHT TOLERANT SPECIES 4.3.8 HARVESTING AND USING PRECIPITATION POST CONSTRUCTION SOURCE CONTROL BMPs 4.2.1 PREVENTION OF ILLICIT DISCHARGES INTO THE MS4 **ENERGY EFFICIENCY HERS VERIFICATION** 4.2.2 STORM DRAIN STENCILING AND POSTING OF SIGNAGE 4.2.3 PROTECTED OUTDOOR MATERIALS STORAGE AREAS SPECIFY AS INDICATED IN CF1R FORM (TITLE 24) 4.2.4 PROTECT MATERIALS STORED IN OUTDOOR WORK AREAS DUCT SEALING (Y or N) 4.2.5 PROTECT TRASH STORAGE AREAS 4.2.6 ADDNL BMPs BASED ON POTENTIAL RUNOFF POLLUTANTS REFRIGERANT CHARGE (Y or N) A ON-SITE STORM DRAIN INLETS COOLING SYSTEM AIRFLOW (Y or N) B INTERIOR FLOOR DRAINS & ELEVATOR SHAFT SUMPS COOLING SYSTEM UNIT FAN EFFICACY (Y or N) C INTERIOR PARKING GARAGES COOLING SYSTEM SEER AND/OR EER ABOVE MIN. (Y or N) D NEED FOR FUTURE INDOOR & STR. PEST CONTROL WHOLE-BUILDING VENTILATION AIRFLOW (Y or N) E LANDSCAPE/OUTDOOR PESTICIDE USE BUILDING ENVELOPE AIR LEAKAGE (Y or N) F POOLS, SPAS, PONDS, FOUNTAINS, & WATER FEATURES G FOOD SERVICE QUALITY INSULATION INSTALLATION (Y or N) H TRASH OR REFUSE AREAS OTHER (SPECIFY BELOW) I INDUSTRIAL PROCESSES PROPERLY COMPLETED AND SIGNED CERTIFICATES OF INSTALLATION (CF2R FORMS) SHALL BE PROVIDED TO THE INSPECTOR IN THE FIELD. FOR PROJECTS REQUIRING HERS VERIFICATION, THE CF2R FORMS SHALL BE REGISTERED WITH A CALIFORNIA-APPROVED HERS PROVIDER DATA REGISTRY." CF2F J OUTDOOR STORAGE OF EQUIP. OR MATERIALS K VEHICLE AND EQUIPMENT CLEANING L VEHICLE/EQUIPEMENT REPAIR AND MAINTENANCE M FUEL DISPENSING AREAS RMS ARE AVAILABLE AT tps://www.energy.ca.gov/ (CBEES 10-103) N LOADING DOCKS ROPERLY COMPLETED CERTIFICATES OF VERIFICATION (CF3R ORMS) SHALL BE PROVIDED TO THE INSPECTOR IN THE FIELD F-FEMS REQUIRING HERS VERIFICATION. CF3R FORMS SHALL BE EGISTERED WITH A CALIFORNIA-APPROVED HERS PROVIDER ATTA REGISTRY. CF3R FORMS ARE AVAILABLE AT ttps://www.energy.ca.gov/ (CBEES 10-103) O FIRE SPRINKLER TEST WATER P MISCELLANEOUS DRAIN OR WASH WATER Q PLAZAS, SIDEWALKS, DRIVEWAYS, AND PARKING LOTS ENGINEERING SCALE: 1" = PARCEL INFORMATION SHEET TITLE VICINITY MAP OWNER INFORMATION CONTACT INFORMATION PROJECT SCOPE PERVIOUS AREA INFORMATION IMPERVIOUS AREA INFORMATION NAME: NAME: PROPOSED 600 SF DETACHED ACCESSORY DWELLING UNI PERVIOUS SURFACE AREA TABLE IMPERVIOUS SURFACE AREA TABLE SITE PLAN NEW OR EPLACED AREA EXISTING AREA (sf) ADDRESS: ADDRESS: SITE ADDRESS: PERVIOUS ITEM DIMENSIONS AREA (sf) NOTES IMPERVIOUS ITEM DIMENSIONS PROPERTY CONNECTED TO THE ELECTRICAL GRID (Y or N) ADU + OVERHANO 782 SF SHEET NUMBER SFD PHONE: PHONE: PROPERTY SERVICED BY PROPANE (Y or N) IF YES, SHOW TANK ON PLOT PLAN DRIVEWAY SP-1 ROPERTY SERVICED BY NATURAL GAS (Y or N) PERVIOUS ELEMENT MANUFACTURER: ____PERVIOUS ELEMENT SLOPE AND DIRECTION OF SLOPE: _ EMAIL EMAIL: ENTIRE LOT IS FUEL MODIFIED (Y or N) IF NO, DIMENSION 100' FUEL MODIFICATION Z LAND DISTURBANCE: CONSTRUCTED PERVIOUS SURFACES SHALL NOT BE SEALED CES ALLOWED TO THIS DESI

SHEET INDEX

WINDOW SCHEDULE								
MARK	DIMENSION	TYPE	TEMPERED	NOTES				
(A)	3'-0" x 4'-0"	SLIDING						
B	4'-0" x 4'-0"	SLIDING						
0	2'-0" x 3'-0"	SLIDING	Y					
0	3'-0" x 2'-0"	SLIDING	Y					

FOLLOWING: (SELECT ONE)

BE CERTIFIED TO AAMA/WDMA/CSA 101/I.S.2/A40 MINIMUM 20-MIN FIRE-RESISTANCE-RATED.
MEET PERFORMANCE REQUIREMENTS OF SFM STANDARD 12-7A-2. EXTERIOR DOORS SHALL COMPLY WITH ONE OF THE FOLLOWING: (SELECT ONE)
A. EXTERIOR SURFACE OR CLADDING OF NON-COMBUSTIBLE OR
IGNITION-RESISTANT MATERIAL

- STILES AND RAILS MINIMUM 1-3/8 INCHES THICK

- STILES AND RAILS MINIMUM 1-3/8 INCHES THICK
RAISED PANELS MINIMUM 1-1/4 INCHES THICK
EXCEPTION: EXTERIOR PERIMETER OF RAISED PANEL MAY TAPER TO
A TONGUE MINIMUM 3/8 INCHES THICK
MINIMUM 20-MIN FIRE RATED WHEN TESTED PER NFPA 252
MEET PERFORMANCE REQUIREMENTS OF SFM STANDARD 12-7A-1

FLOOR PLAN NOTES

- EXTERIOR WALLS WITHIN 3 FEET OF PROPERTY LINE (SPRINKLERS) OR 5 FEET OF PROPERTY LINE (WITHOUT SPRINKLERS) REQUIRE 1-HOUR FIRE RATING FOR EXPOSURE TO BOTH SIDES

- PROJECTIONS: PROHIBITED WITHIN 2 FEET OF PROPERTY LINE 1-HOUR FIRE RATING ON THE UNDERSIDE WITHIN 3FT OF PROPERTY LINE
- 1-HOUR FIRE RATING ON THE UNDERSIDE WITHIN 5FT OF PROPERTY LINE
- OFENINGS. PROHIBITED WITHIN 3FT OF PROPERTY LINE MAXIMUM 25% OF WALL AREA WITHIN 5 FEET OF PROPERTY LINE
- (WITHOUT SPRINKLERS)
- 1-HOUR FIRE-RATED PENETRATIONS OF WALLS WITHIN 3FT OF PROPERTY
- 1-HOUR FIRE-PAILED PENETRATIONS OF WALLS WITHIN ST. G. THOS Z.L.
 LINE (SPRINKLERS)

 1-HOUR FIRE-RATED PENETRATIONS OF WALLS WITHIN 5FT OF PROPERTY LINE (WITHOUT SPRINKLERS)
- CONCRETE LANDING WITH MIN 36" DEPTH AND A MAXIMUM OF 1-1/2" LOWER THAN TOP OF DOOR THRESHOLD

OPTIONAL ROLL-IN SHOWER PLAN NOTES

- SHOWER COMPARTMENT SEAT
- MUST BE FOLDING TYPE, NOT TO EXCEED MORE THAN 6 INCHES FROM MOUNTING WALL WHEN FOLDED

- MOUNTING WALL WHEN FOLDED

 LOCATED WITHIN 27 INCHES OF SHOWER CONTROLS

 MOUNTED MINIMUM 17 INCHES AND MAXIMUM 19 INCHES ABOVE
 BATHROOM FINISHED FLOOR.

 SEAT INSTALLED ON SIDE WALL ADJACENT TO CONTROLS AND EXTENDING
- FROM BACK WALL TO POINT WITHIN 3 INCHES OF SHOWER COMPARTMENT
- ENTITY

 STRUCTURAL ADEQUACY OF MOUNTING HARDWARE AND FASTENERS TO
 ACCOMMODATE 250 POUND POINT LOAD APPLIED AT ANY POINT ON THE
 GRAB BAR, FASTENER, MOUNTING DEVICE, OR SUPPORTING STRUCTURE
- SHOWER GRAB BARS
- MOUNTED MINIMUM 33 INCHES AND MAXIMUM 36 INCHES ABOVE SHOWER
- FLOOR
 NOT EXTENDING OVER SHOWER SEAT
 IF CROSS SECTION IS CIRCULAR, MINIMUM 1-1/4" AND MAXIMUM 2" OUTSIDE DIAMETER
 IF CROSS SECTION IS NON-CIRCULAR, MINIMUM 4" AND MAXIMUM 4.8"
 PERIMETER AND MAXIMUM 2-1/4" CROSS SECTION DIMENSION GRAB BARS MOUNTED ADJACENT TO A WALL, 1-1/2" ABSOLUTE SPACE
- GRAB BARS MOUNTED ADJACENT TO A WALL, 1-1/2 ABSOLUTE SPACE BETWEEN WALL AND GRAB BAR MINIMUM 1-1/2" SPACE BETWEEN GRAB BAR AND PROJECTING OBJECTS BELOW AND AT ENDS MINIMUM 12 INCH SPACE BETWEEN GRAB BAR AND PROJECTING OBJECTS
- SURFACE MATERIAL OF ANY WALLS OR OBJECTS ADJACENT TO GRAB BARS
- MUST BE FREE OF SHARP OR ABRASIVE ELEMENTS AND HAVE ROUNDED
- MUST BE FREE OF SHARF OR ABRASIVE ELEMENTS AND HAVE MOUNDED EDGES. STRUCTURAL ADEQUACY OF MOUNTING HARDWARE AND FASTENERS TO ACCOMMODATE 250 POUND POINT LOAD APPLIED AT ANY POINT ON THE GRAB BAR, FASTENER, MOUNTING DEVICE, OR SUPPORTING STRUCTURE WALL REINFORCEMENT TO BE PROVIDED AT LOCATION OF GRAB BARS (E.G. BLOCKING)
- OPERABLE PARTS OF SHOWER CONTROLS AND FAUCETS:
 INSTALLED ON BACK WALL OF SHOWER COMPARTMENT ADJACENT TO SEAT WALL
 - LOCATED MINIMUM 19 INCHES AND MAXIMUM 27 INCHES FROM SEAT WALL - LOCATED ABOVE GRAB BAR BUT NO HIGHER THAN 48 INCHES ABOVE SHOWER FLOOR
 - CENTERLINE AT MINIMUM 39 INCHES AND MAXIMUM 41 INCHES ABOVE - CENT IERLINE AT MINIMOM 39 INCRES AND MAAIMUM 41 INCRES ABOVE SHOWER FLOOR
 - SINGLE-LEVER DESIGN
 - OPERABLE WITH MAXIMUM 5 POUNDS OF FORCE
 - OPERABLE WITH ONE HAND AND WITHOUT TIGHT GRASPING, PINCHING, OR
- TWISTING OF WRIST
- SPRAYER UNIT AND ASSOCIATED OPERABLE PARTS SHALL BE PROVIDED
- SPRATER ONLY ASSOCIATED OPERABLE PARTS SHALL BE PROVIDED PER THE FOLLOWING:

 OPERABLE PARTS, INCLUDING HANDLE, TO BE INSTALLED ON BACK WALL OF SHOWER COMPARTMENT MINIMUM 19 INCHES AND MAXIMUM 27 INCHES FROM SEAT WALL
- OPERABLE PARTS LOCATED ABOVE GRAB BAR BUT NO HIGHER THAN 48 INCHES ABOVE SHOWER FLOOR, MEASURED TO TOP OF MOUNTING
- INCHES ABOVE SHOWER FLOOR, MEASURED TO TOP OF MOUNTING BRACKET MINIMUM 59 INCH LONG HOSE CAPABLE FOR USE AS FIXED SHOWER HEAD AND HAND HELD SHOWER ON/OFF CONTROL WITH NON-POSITIVE SHUT OFF
- ADJUSTABLE HEIGHT SHOWER HEADS ON VERTICAL BAR SHALL NOT OBSTRUCT USE OF BATHTUB GRAB BARS
- WHERE SOAP DISHES ARE PROVIDED, MAXIMUM 40 INCHES ABOVE SHOWER FLOOR AND WITHIN REACH LIMITS FROM THE SHOWER SEAT
- MAXIMUM 2.1% SLOPE IN ALL DIRECTIONS OF ROLL-IN SHOWER FLOORS
- $\mbox{\rm MAXIMUM}\,\frac{1}{2}"$ HIGH THRESHOLDS WITH MAXIMUM 50% BEVELED SLOPE AT ROLL-IN SHOWERS
- WHERE DRAINS ARE PROVIDED AT ROLL-IN SHOWERS, MAXIMUM $\frac{1}{4}^*$ GRATE OPENINGS FLUSH WITH SHOWER FLOOR SURFACE



, the user agrees to release the County of Tulare from any demands on account of any injury, damage, or loss to per death, or economic losses, arising out of the use of these se of these plans does not eliminate or reduce the user's all information.

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Development

Sheet Number

NO CHANGES ALLOWED TO THIS DESIGN

EXTERIOR WINDOWS, EXTERIOR GLAZED DOORS, GLAZED OPENINGS WITHIN EXTERIOR DOORS, GLAZED OPENINGS WITHIN EXTERIOR GARAGE DOORS, AND EXTERIOR STRUCTURAL GLASS VENEER SHALL COMPLY WITH ONE OF THE

MULTI-PANE GLAZING WITH A MINIMUM OF ONE TEMPERED PANE
MEETING THE REQUIREMENTS OF SECTION 2406 SAFETY GLAZING, AND
WHERE ANY GLAZING FRAMES MADE OF VINYL MATERIALS SHALL HAVE
WELDED CORNERS, METAL REINFORCEMENT IN INTERLOCK AREA, AND

DOOR SCHEDULE DIMENSION TYPE TEMPERED NOTES WINGING 3/8" SOLID CORI BI-FOLD (4) 8'-0" x 6'-8" SLIDING 6FT CLOSET

SOLID CORE WOOD COMPLYING WITH THE FOLLOWING:

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

c Development DWELLING

nty of Tulare, Economic D SF ACCESSORY D LDING DIVISION

County 600 SF BUILDI

UTILITY PLAN NOTES

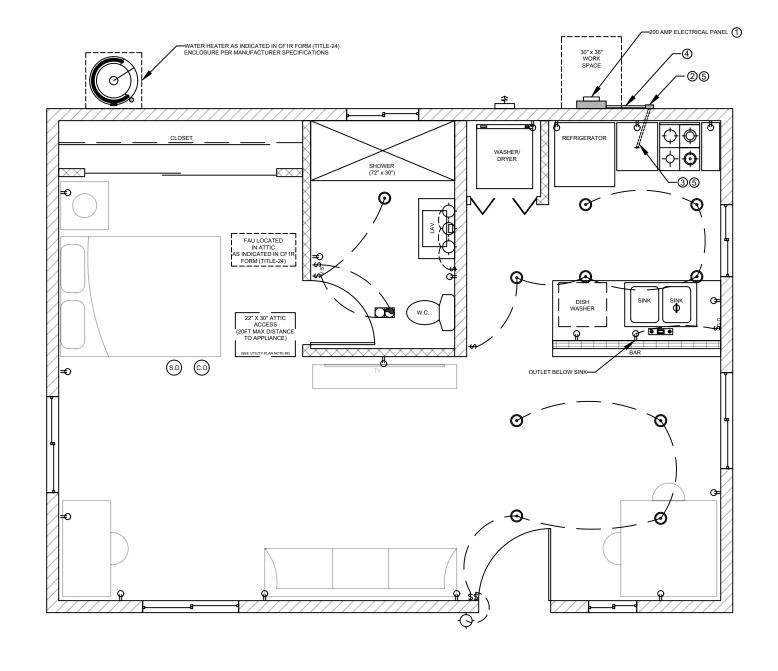
- LOCAL EXHAUST FANS TO EXTERIOR TO PROVIDE MINIMUM 50 CFM INTERMITTENT OR 20 CFM CONTINUOUS VENTILATION.
- SMOKE DETECTORS TO BE INTERCONNECTED PER CRC R314.4 AND HARD-WIRED WITH BATTERY BACK-UP PER CRC R314.6
- CARBON MONOXIDE ALARMS TO BE INTERCONNECTED PER CRC R315.7 AND HARD-WIRED WITH BATTERY BACK-UP PER CRC R315.5
- 4" Ø DRYER VENT WITH MAXIMUM 14 FOOT COMBINED HORIZONTAL AND VERTICAL LENGTH WITH TWO 90 DEGREE ELBOWS.
- A MECHANICAL EXHAUST VENTILATION SYSTEM, SUPPLY VENTILATION SYSTEM, OR COMBINATION THEREOF SHALL BE INSTALLED FOR EACH DWELLING UNIT TO PROVIDE WHOLE-BUILDING VENTILATION WITH OUTDOOR AIR IN COMPLIANCE WITH ASHRAE STANDARD 62.2 AS ADOPTED BY THE CALIFORNIA ENERGY COMMISSION.
- AN INTERMITTENTLY OR CONTINUOUSLY OPERATING LOCAL MECHANICAL EXHAUST VENTILATION SYSTEM SHALL BE INSTALLED IN EACH BATHROOM WITH A BATHTUB, SHOWER, OR SIMILAR IN EACH BATHROUM WITH A BATHTUB, SHOWER, OR SIMILAR MOISTURE SOURCE AND IN EACH KITCHEN IN COMPLIANCE WITH ASHRAE STANDARD 62.2 AS ADDPTED BY THE CALIFORNIA ENERGY COMMISSION, INTERMITTENT LOCAL EXHAUST VENTILATION AIRFLOW RATES SHALL BE 50 CFM IN BATHROOMS AND 100 CFM IN KITCHENS. CONTINUOUS LOCAL EXHAUST VENTILATION AIRFLOW RATES SHALL BE 20 CFM IN BATHROOMS AND 5 AIR CHANGES PER HOUR IN KITCHENS BASED ON KITCHEN VOLUME.
- WATER HEATER OR FURNACE SHALL BE A DIRECT-VENT APPLIANCE
- LISTED GASKETED SELF CLOSING DOOR REQUIRED FOR GAS FAU

LIGHTING PLAN NOTES

- ALL LUMINAIRES SHALL BE HIGH-EFFICACY IN ACCORDANCE WITH CBEES TABLE 150.0-A
- ALL LED LUMINAIRES AND LAMPS SHALL BE MARKED "JA8-2016" AND LISTED IN THE CALIFORNIA ENERGY COMMISSION DATABASE AT HTTPS://CACERTAPPLIANCES. ENERGY.CA.GOV/PAGES/APPLIANCESEARCH.ASPX
- ALL RECESSED DOWNLIGHT AND ENCLOSED LUMINAIRES ALL RECESSED DOWNLIGHT IN THE RECUESSED DOWNLIGHT IN THE CALIFORNIA ENERGY COMMISSION DATABSE AT HTTPS://CACERTAPPLIANCES.ENERGY.CA.GOV/PAGES/APPLIANCESEARCH.ASPX
- RECESSED DOWNLIGHT LUMINAIRES IN CEILINGS SHALL NOT BE SCREW-BASED
- BATHROOMS, GARAGES, LAUNDRY ROOMS, AND UTILITY ROOMS: AT LEAST ONE LUMINAIRE IN EACH SPACE SHALL BE CONTROLLED BY A VACANCY SENSOR
- ALL LUMINAIRES REQUIRING "JA8-2016" OR "JA8-2016-E" MARKING SHALL BE CONTROLLED BY A DIMMER OR VACANCY SENSOR
- EXCEPTION: CLOSETS LESS THAN 70 S.F. & HALLWAYS
- OUTDOOR LIGHTING PERMANENTLY MOUNTED TO BUILDINGS SHALL BE CONTROLLED BY ONE OF THE FOLLOWING:
 PHOTOCONTROL AND MOTION SENSOR
 PHOTOCONTROL AND AUTOMATIC TIME-SWITCH CONTROL
 ASTRONOMICAL TIME CLOCK
 ENERGY MANAGEMENT CONTROL SYSTEM PER CBEES
 150 (M/13 ABI)
- 150.0(K)3AIIIC

SOLAR READY KEY NOTES (

- THE MAIN ELECTRICAL SERVICE PANEL SHALL NOT BE OF A TYPE WITH A CENTER-FED MAIN CIRCUIT BREAKER AND SHALL INCLUDE RESERVED SPACE ALLOWING FOR INSTALLATION OF DOUBLE-POLE CIRCUIT BREAKERS FOR A FUTURE SOLAR PHOTOVOLTAIC SYSTEM, SUCH RESERVED SPACE SHALL BE POSITIONED AT THE OPPOSITE (LOAD) END FROM THE INPUT FESITIONED AT THE OFFOSTIRE (LODA) END FROM THE HYP FEEDER OR MAIN CIRCUIT BREAKER LOCATION. THE RESERVED SPACE SHALL BE PERMANENTLY AND VISIBLY MARKED AS "FOR FUTURE SOLAR PHOTOVOLTAIC"
- APPROVED MINIMUM 4-INCH SQUARE ELECTRICAL JUNCTION BOX LOCATED WITHIN 72 INCHES HORIZONTALLY AND 12 INCHES VERTICAL OF MAIN ELECTRICAL SERVICE PANEL
- MINIMUM 1 INCH DIAMETER LISTED ELECTRICAL METALLIC RACEWAY ORIGINATING AT READILY ACCESSIBLE ATTIC LOCATION WITH PROXIMITY TO SOLAR ZONE AREA AND TERMINATING AT THE REQUIRED ELECTRICAL JUNCTION BOX
- MINIMUM 1 INCH DIAMETER LISTED ELECTRICAL METALLIC RACEWAY ORIGINATING AT THE REQUIRED ELECTRICAL JUNCTION BOX AND TERMINATING AT THE MAIN ELECTRICAL
- ELECTRICAL JUNCTION BOX AND SEGMENT OF METALLIC MARKED AS "FOR FUTURE SOLAR PHOTOVOLTAIC"



ELECTRICAL LEGEND G= DUPLEX OUTLET HIGH EFFICACY RECESSED LIGHT \$ WALL SWITCH GARBAGE DISPOSAL \$G.D GARBAGE DISPOSAL SWITCH VACANCY SENSOR 4" DIA DRYER VENT ⊚ SMOKE DETECTOR **(** CARBON MONOXIDE ALARM FAN & LIGHT COMBO FAN AND LIGHT COMBINATION HIGH EFFICACY LIGHT FIXTURE

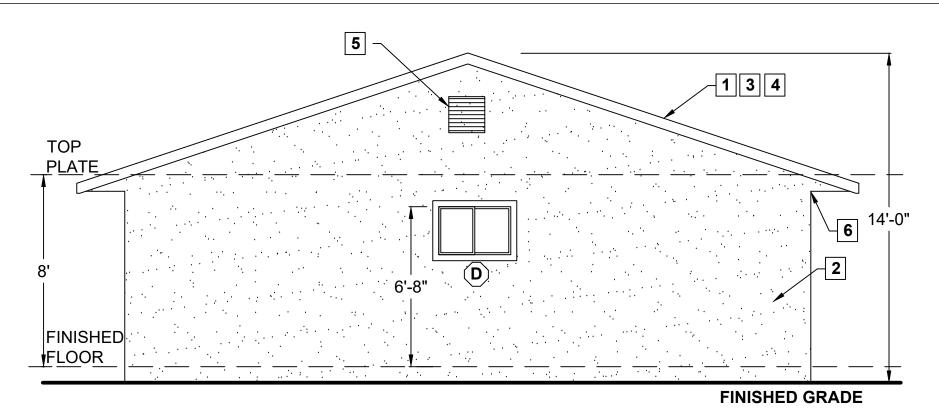
ELECTRICAL PLAN

WALL LEGEND

2x6 WALL

2x4 WALL

2x4 PONY WALL



BACK

ELEVATIONS 1/4" = 1'-0"

PDS 671 (REV. 01/01/2020)

EXTERIOR WALL FINISH (SEE NOTE 7 BELOW)

ROOF PITCH: 4:12

RADIANT BARRIER IS REQUIRED

GABLE VENT (SEE NOTE 5 & 6 BELOW)
MANUFACTURER:
MODEL:
(ANN 74 i=2)

EAVE VENT (SEE NOTE 5 & 6 BELOW) MANUFACTURER:

WILDFIRE ZONE PLAN NOTES

- IN ROOF COVERINGS WHERE THE PROFILE CREATES SPACE BETWEEN THE IN NOVE COVERINGS WHERE THE PROFILE ORGANIS SPECIFY ONE OF THE ROOF COVERING AND COMBUSTIBLE ROOF DECKING, SPECIFY ONE OF THE FOLLOWING MEANS OF PROTECTING SPACES AT EAVES ENDS.

 a. FIRE-STOPPING WITH APPROVED MATERIALS

 b. ONE LAYER OF 72 POUND (32.4 KG) MINERAL-SURFACED
- NON-PERFORATED CAP SHEET COMPLYING WITH ASTM D 3909 INSTALLED OVER THE COMBUSTIBLE DECKING
- c. OTHERWISE CONSTRUCTED TO PREVENT INTRUSION OF FLAMES AND EMBERS
- EXPOSED VALLEY FLASHINGS SHALL BE CONSTRUCTED WITH NOT LESS THAN 0.019-INCH (NO. 26 GALVANIZED SHEET GAGE) CORROSION-RESISTANT METAL INSTALLED OVER A MINIMUM 36-INCH-WIDE UNDERLAYMENT CONSISTING OF ONE LAYER OF NO. 72 ASTM CAP SHEET RUNNING THE FULL LENGTH OF THE VALLEY.
- ANY ROOF GUTTERS SHALL BE PROVIDED WITH MEANS TO PREVENT ACCUMULATION OF LEAVES AND DEBRIS.
- SKYLIGHTS SHALL BE TEMPERED GLASS.
- ALL VENTS (ROOF, FOUNDATION, COMBUSTION-AIR, ETC) SHALL RESIST THE INTRUSION OF FLAMES AND EMBERS
- ENCLOSED RAFTER SPACES FORMED WHERE CEILINGS ARE APPLIED DIRECTLY TO THE UNDERSIDE OF ROOF RAFTERS, UNDERFLOOR VENTILATION OPENINGS, AND VENT OPENINGS IN EXTERIOR WALLS AND

 - VENTILATION OPENINGS, AND VENT OPENINGS IN EXTERIOR WALLS AND EXTERIOR DOORS SHALL BE LISTED TO ASTME 2886 AND COMPLY WITH ALL OF THE FOLLOWING:

 a. THERE SHALL BE NO FLAMING IGNITION OF THE COTTON MATERIAL DURING THE EMBER INTRUSION TEST

 b. THERE SHALL BE NO FLAMING IGNITION DURING THE INTEGRITY TEST PORTION OF THE FLAME INTRUSION TEST

 c. THE MAXIMUM TEMPERATURE OF THE UNEXPOSED SIDE OF THE VENT SHALL NOT EXCEED 662 DEGREES FAHRENHEIT (350 DEGREES CELSIUS)
- EXTERIOR WALL FINISH SHALL COMPLY WITH ONE OF THE FOLLOWING
- a. NON-COMBUSTIBLE MATERIAL (STUCCO, CEMENT FIBER BOARD, ETC)
 STUCCO AND CEMENT PLASTER USED AS AN EXTERIOR WALL
- STUCCO AND CEMENT PLASTER USED AS AN EXTERIOR WALL
 COVERING SHALL BE 78-INCH THICK
 NONCOMBUSTIBLE OR FIRE-RETARDANT-TREATED WOOD SHAKE
 USED AS AN EXTERIOR WALL COVERING SHALL HAVE AN
 UNDERLAYMENT OF MINIMUM 1/2-INCH FIRE-ARTED GYPSUM
 SHEATHING THAT IS TIGHTLY BUTTED, OR TAPED AND MUDDED, OR AN UNDERLAYMENT OF OTHER IGNITION-RESISTANT MATERIAL
- APPROVED BY THE BUILDING OFFICIAL.
 b. IGNITION-RESISTANT MATERIAL
- PATIO COVER, CARPORT AND TRELLIS CONSTRUCTION WITH ALL EXPOSED ELEMENTS SHALL COMPLY WITH ANY OF THE FOLLOWING:
 NON-COMBUSTIBLE MATERIAL
- 1-HOUR FIRE-RESISTANT-RATED MATERIAL
- I-FIOUNT FIRE-RESIGNANT-PARIED WIA TENIAL
 APPROVED EXTERIOR FIRE-RETARDANT TREATED WOOD
 MODIFIED HEAVY TIMBER (MIN 2X TONGUE-AND-GROOVE
 SHEATHING, 4X6 RAFTERS/BEAMS, 6X6 POSTS)
- DECK, BALCONY, AND EXTERIOR STAIR CONSTRUCTION, WITH ALL EXPOSED ELEMENTS SHALL COMPLY WITH THE FOLLOWING:
- FRAMING
 NON-COMBUSTIBLE MATERIAL
 1-HOUR FIRE-RESISTANT-RATED MATERIAL
 APPROVED EXTERIOR FIRE-RETARDANT TREATED WOOD
 MODIFIED HEAVY TIMBER (MIN 4X8 JOISTS, 4X10 OR 6X8 BEAMS, 6X6
- b. DECKING AND TREAD MATERIAL (ANY OF THE FOLLOWING):
- DECKING AND TREAD MATERIAL

 NON-COMBUSTBLE MATERIAL

 1-HOUR FIRE-RESISTANT-RATED MATERIAL

 APPROVED EXTERIOR FIRE-RETARDANT TREATED WOOD

 APPROVED A LTERNATIVE DECKING MATERIAL MEETING

 TESTS REQUIREMENTS OF COUNTY BUILDING CODE 92.1.709A.1.4)
- EXTERIOR GARAGE DOORS SHALL RESIST THE INTRUSION OF EMBERS INTO THE GARAGE BY LIMITING THE SIZE OF ANY GAPS AT THE BOTTOM, SIDES, AND TOP OF THE DOOR TO 1/8 INCH OR LESS USING ONE OF THE FOLLOWING METHODS

 a. WEATHER-STRIPPING PRODUCTS WITH TENSILE STRENGTH AND
- FLAMMABILITY RATING PER CBC 708A.4
 b. DOOR OVERLAPS ONTO JAMBS AND HEADERS
- . GARAGE DOOR JAMBS AND HEADERS COVERED WITH METAL FLASHING
- PAPER-FACED INSULATION PROHIBITED IN ATTICS OR OTHER VENTILATED SPACES.
- 2. FENCES OR ANY STRUCTURE WITHIN 5 FEET OF BUILDING SHALL BE CONSTRUCTED PER ONE OF THE FOLLOWING: a. NON-COMBUSTIBLE MATERIAL
- a. NON-COMBOS IBLE MATERIAL
 b. APPROVED EXTERIOR FIRE-RETARDANT TREATED WOOD
 c. MATERIAL MEETING SAME FIRE-RESISTIVE STANDARDS AS
 EXTERIOR WALLS OF BUILDINGS

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LNO Economic Development SSORY DWELLING County of Tulare, Econ 600 SF ACCESSC BUILDING DIVISION

ELEVATION KEY NOTES

SEE SHEET A3 FOR KEY NOTES

WILDFIRE ZONE PLAN NOTES

- IN ROOF COVERINGS WHERE THE PROFILE CREATES SPACE BETWEEN THE IN NOVE COVERINGS WHERE THE PROFILE ORGANIS SPECIFY ONE OF THE ROOF COVERING AND COMBUSTIBLE ROOF DECKING, SPECIFY ONE OF THE FOLLOWING MEANS OF PROTECTING SPACES AT EAVES ENDS.

 a. FIRE-STOPPING WITH APPROVED MATERIALS

 b. ONE LAYER OF 72 POUND (32.4 KG) MINERAL-SURFACED
- NON-PERFORATED CAP SHEET COMPLYING WITH ASTM D 3909 INSTALLED OVER THE COMBUSTIBLE DECKING
- c. OTHERWISE CONSTRUCTED TO PREVENT INTRUSION OF FLAMES AND
- EXPOSED VALLEY FLASHINGS SHALL BE CONSTRUCTED WITH NOT LESS THAN 0.019-INCH (NO. 26 GALVANIZED SHEET GAGE) CORROSION-RESISTANT METAL INSTALLED OVER A MINIMUM 36-INCH-WIDE UNDERLAYMENT CONSISTING OF ONE LAYER OF NO. 72 ASTM CAP SHEET RUNNING THE FULL LENGTH OF THE VALLEY.
- ANY ROOF GUTTERS SHALL BE PROVIDED WITH MEANS TO PREVENT ACCUMULATION OF LEAVES AND DEBRIS.
- SKYLIGHTS SHALL BE TEMPERED GLASS.
- ALL VENTS (ROOF, FOUNDATION, COMBUSTION-AIR, ETC) SHALL RESIST THE INTRUSION OF FLAMES AND EMBERS
- ENCLOSED RAFTER SPACES FORMED WHERE CEILINGS ARE APPLIED DIRECTLY TO THE UNDERSIDE OF ROOF RAFTERS, UNDERFLOOR VENTILATION OPENINGS, AND VENT OPENINGS IN EXTERIOR WALLS AND VENTILATION OPENINGS, AND VENT OPENINGS IN EXTERIOR WALLS AND EXTERIOR DOORS SHALL BE LISTED TO ASTM E 2886 AND COMPLY WITH ALL OF THE FOLLOWING:

 a. THERE SHALL BE NO FLAMING IGNITION OF THE COTTON MATERIAL DURING THE EMBER INTRUSION TEST
- DURING I HE EMBER IN HUSION 1EST

 b. THERE SHALL BE NO FLAMING (BOINTION DURING THE INTEGRITY TEST

 PORTION OF THE FLAME INTRUSION TEST

 c. THE MAXIMUM TEMPERATURE OF THE UNEXPOSED SIDE OF THE VENT

 SHALL NOT EXCEED 662 DEGREES FAHRENHEIT (350 DEGREES

 CELSIUS)
- EXTERIOR WALL FINISH SHALL COMPLY WITH ONE OF THE FOLLOWING:
- a. NON-COMBUSTIBLE MATERIAL (STUCCO, CEMENT FIBER BOARD, ETC)
 STUCCO AND CEMENT PLASTER USED AS AN EXTERIOR WALL
- STUCCO AND CEMENT PLASTER USED AS AN EXTERIOR WALL
 COVERING SHALL BE 78-INCH THICK
 NONCOMBUSTIBLE OR FIRE-RETARDANT-TREATED WOOD SHAKE
 USED AS AN EXTERIOR WALL COVERING SHALL HAVE AN
 UNDERLAYMENT OF MINIMUM 1/2-INCH FIRE-RATED GYPSUM
 SHEATHING THAT IS TIGHTLY BUTTED, OR TAPED AND MUDDED, OR AN UNDERLAYMENT OF OTHER IGNITION-RESISTANT MATERIAL APPROVED BY THE BUILDING OFFICIAL.
 b. IGNITION-RESISTANT MATERIAL
- PATIO COVER, CARPORT AND TRELLIS CONSTRUCTION WITH ALL EXPOSED ELEMENTS SHALL COMPLY WITH ANY OF THE FOLLOWING:
 NON-COMBUSTIBLE MATERIAL

DECK, BALCONY, AND EXTERIOR STAIR CONSTRUCTION, WITH ALL

- 1-HOUR FIRE-RESISTANT-RATED MATERIAL
- I-HOUNT PIRE-RESISTANT-NATED WAI ETWIAL
 APPROVED EXTERIOR FIRE-RETARDANT TREATED WOOD
 MODIFIED HEAVY TIMBER (MIN 2X TONGUE-AND-GROOVE
 SHEATHING, 4X6 RAFTERS/BEAMS, 6X6 POSTS)
- EXPOSED ELEMENTS SHALL COMPLY WITH THE FOLLOWING:
- FRAMING
 NON-COMBUSTIBLE MATERIAL
 1-HOUR FIRE-RESISTANT-RATED MATERIAL
 APPROVED EXTERIOR FIRE-RETARDANT TREATED WOOD
 MODIFIED HEAVY TIMBER (MIN 4X8 JOISTS, 4X10 OR 6X8 BEAMS, 6X6 b. DECKING AND TREAD MATERIAL (ANY OF THE FOLLOWING):

- DECKING AND TREAD MATERIAL

 NON-COMBUSTBLE MATERIAL

 1-HOUR FIRE-RESISTANT-RATED MATERIAL

 APPROVED EXTERIOR FIRE-RETARDANT TREATED WOOD

 APPROVED A LTERNATIVE DECKING MATERIAL MEETING

 TESTS REQUIREMENTS OF COUNTY BUILDING CODE 92.1.709A.1.4) EXTERIOR GARAGE DOORS SHALL RESIST THE INTRUSION OF EMBERS INTO
- THE GARAGE BY LIMITING THE SIZE OF ANY GAPS AT THE BOTTOM, SIDES, AND TOP OF THE DOOR TO 1/8 INCH OR LESS USING ONE OF THE FOLLOWING METHODS

 a. WEATHER-STRIPPING PRODUCTS WITH TENSILE STRENGTH AND
- FLAMMABILITY RATING PER CBC 708A.4
 b. DOOR OVERLAPS ONTO JAMBS AND HEADERS
- c. GARAGE DOOR JAMBS AND HEADERS COVERED WITH METAL FLASHING
- PAPER-FACED INSULATION PROHIBITED IN ATTICS OR OTHER VENTILATED SPACES.
- 2. FENCES OR ANY STRUCTURE WITHIN 5 FEET OF BUILDING SHALL BE CONSTRUCTED PER ONE OF THE FOLLOWING: a. NON-COMBUSTIBLE MATERIAL
 - a. NON-COMBOST IBLE MATERIAL
 b. APPROVED EXTERIOR FIRE-RETARDANT TREATED WOOD
 c. MATERIAL MEETING SAME FIRE-RESISTIVE STANDARDS AS
 EXTERIOR WALLS OF BUILDINGS

Economic Development SSORY DWELLING County of Tulare, Econ 600 SF ACCESSC BUILDING DIVISION

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

By using these all claims, liabil or property, inc construction dc responsibility t

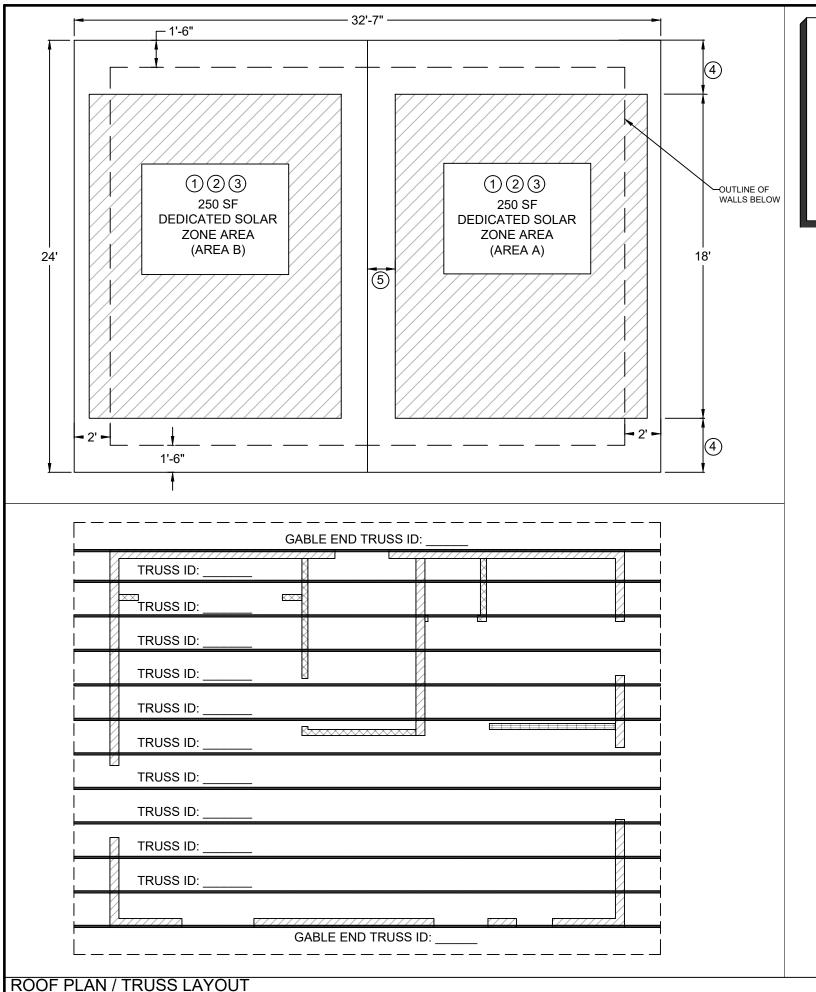
LNO

Sheet Number

NO CHANGES ALLOWED TO THIS DESIGN

LEFT

ELEVATIONS



ATTIC VENTILATION REQUIRED

NET FREE CROSS VENTILATION AREA = $\frac{1}{300}$ VENT AREA REQ'D = 600 ft² / 300 = 2 ft² x 144 = 288 in²

GABLE END VENTS $NFVA = 71 in^2$

QTY = 2 VENTS VENT AREA PROVIDED = $2 \times 71 \text{ in}^2 = 142 \text{ in}^2$

EAVE VENTS NFVA: 23 in² QTY = 8 VENTS

VENT AREA PROVIDED = 8 x 23 in² = 184 in²

 $\frac{\text{TOTAL VENT AREA PROVIDED}}{(142 \text{ in}^2) + (184 \text{ in}^2) = 326 \text{ in}^2} > 288 \text{ in}^2$

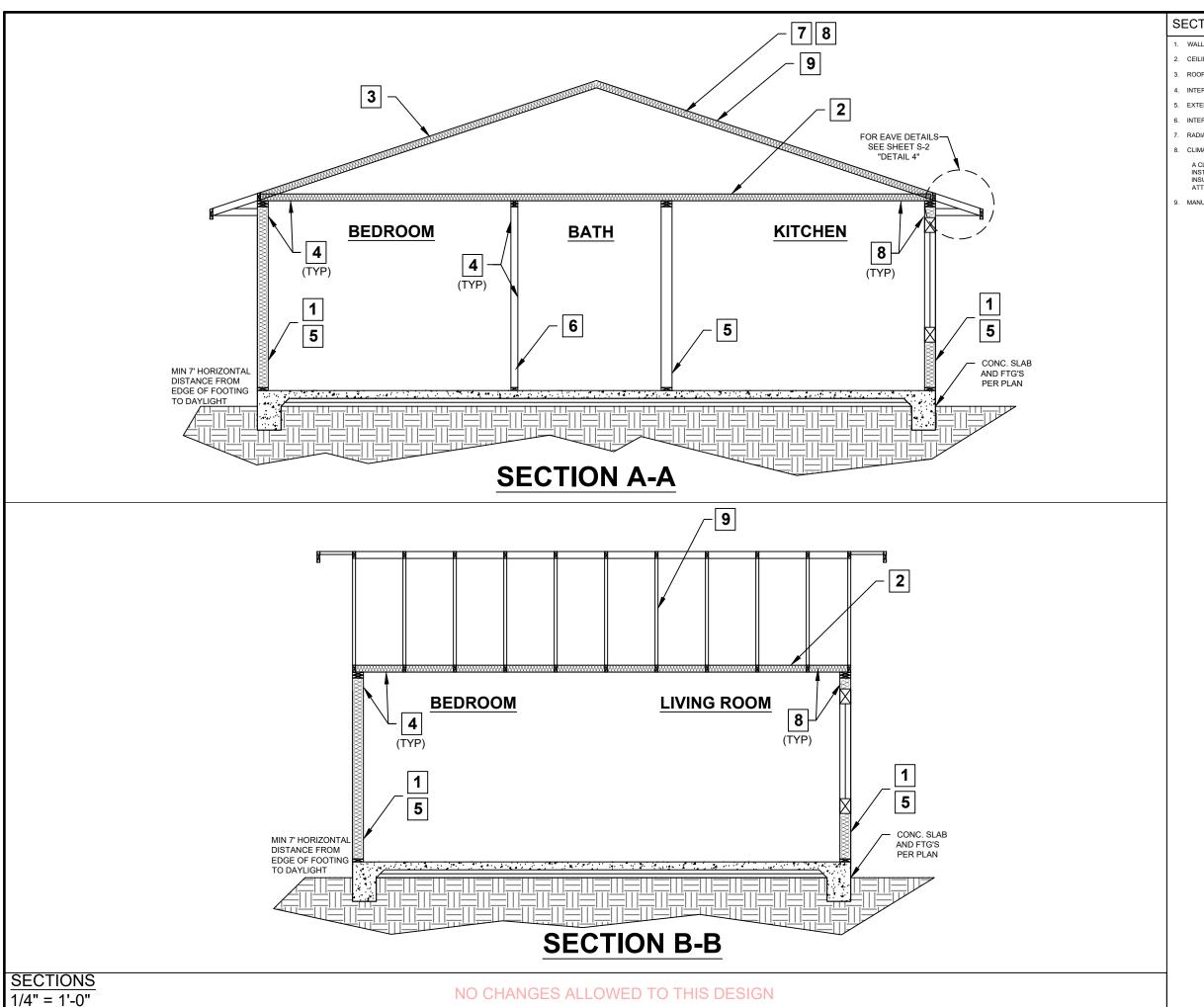
SOLAR READY KEY NOTES (

- MIN 250 S.F. SOLAR ZONE AREA
- DEDICATED SOLAR ZONE AREA LOCATED BETWEEN 110 AND 270 DEGREES OF TRUE NORTH USE AREA A OR B AS NEEDED.
- NO OBSTRUCTIONS INCLUDING VENTS, CHIMNEYS, SKYLIGHTS, ARCHITECTURAL FEATURES, ROOF-MOUNTED EQUIPMENT LOCATED WITHIN SOLAR ZONE.
- 4. 3" MIN FIRE FIGHTER ACCESS
- 5. 1'-6" SMOKE VENTILATION SETBACK AT RIDGES

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County of Tulare, Economic Development 600 SF ACCESSORY DWELLING BUILDING DIVISION





SECTION KEY NOTES

WALL INSULATION:

CEILING INSULATION

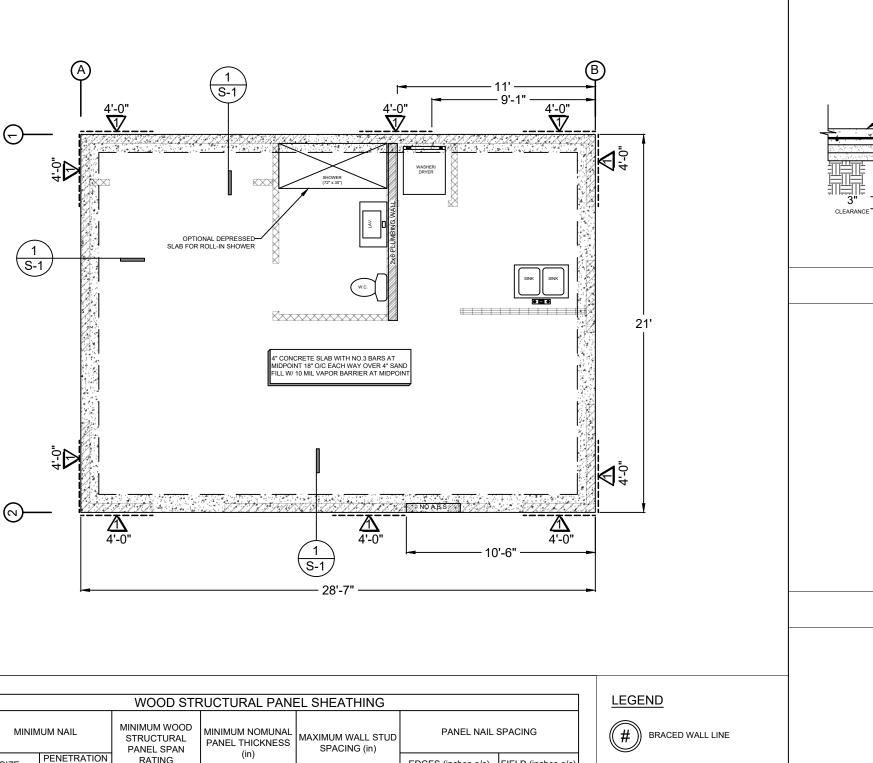
8. CLIMATE ZONE 14 PROJECT (Y or N) if yes, see below:

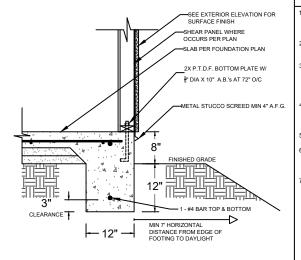
A CLASS I OR II VAPOR RETARDER SHALL BE INSTALLED ON THE CONDITIONED SPACE SIDE OF ALL INSULATION IN ALL EXTERIOR WALLS AND VENTED ATTICS

9. MANUFACTURED TRUSSES

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County of Tulare, Economic Development
600 SF ACCESSORY DWELLING UNIT
BUILDING DIVISION





DETAIL 1 (NTS)

- ALL ANCHORS BOLTS SHALL BE €" DIAMETER AND HAVE A MINIMUM EMBEDMENT OF 7 INCHES INTO CONCRETE (UNO) AND NOT SPACED MORE THAN 6 FEET APART
- 3"X3"X0.229" PLATE WASHERS SHALL BE USED ON EACH SILL PLATE ANCHOR BOLT

FOUNDATION PLAN NOTES

- FOR STANDARD CUT WASHERS PLACED BETWEEN PLATE WASHER AND NUT, HOLE IN PLATE WASHER MAY BE DIAGONALLY SLOTTED WITH MAXIMUM $\frac{1}{16}$ * LARGER WIDTH THAN BOLT DIAMETER AND MAXIMUM 1-3/4" SLOT LENGTH
- PROVIDE A MINIMUM OF TWO ANCHOR BOLTS PER SILL PLATE WITH ONE BOLT LOCATED MAXIMUM 12" AND MINIMUM 7 BOLT DIAMETERS FROM EACH END OF EACH SECTION.
- BOLTS LOCATED IN THE MIDDLE THIRD OF THE SILL PLATE WIDTH
- FASTENERS FOR PRESSURE-PRESERVATIVE TREATED AND FIRE RETARDANT TREATED WOOD SHALL BE HOT-DIPPED ZINC COATED GALVANIZED, STAINLESS STEEL OR COPPER
- NO LPG PIPING ASSEMBLIES ALLOWED IN OR BENEATH SLABS WITHIN THE

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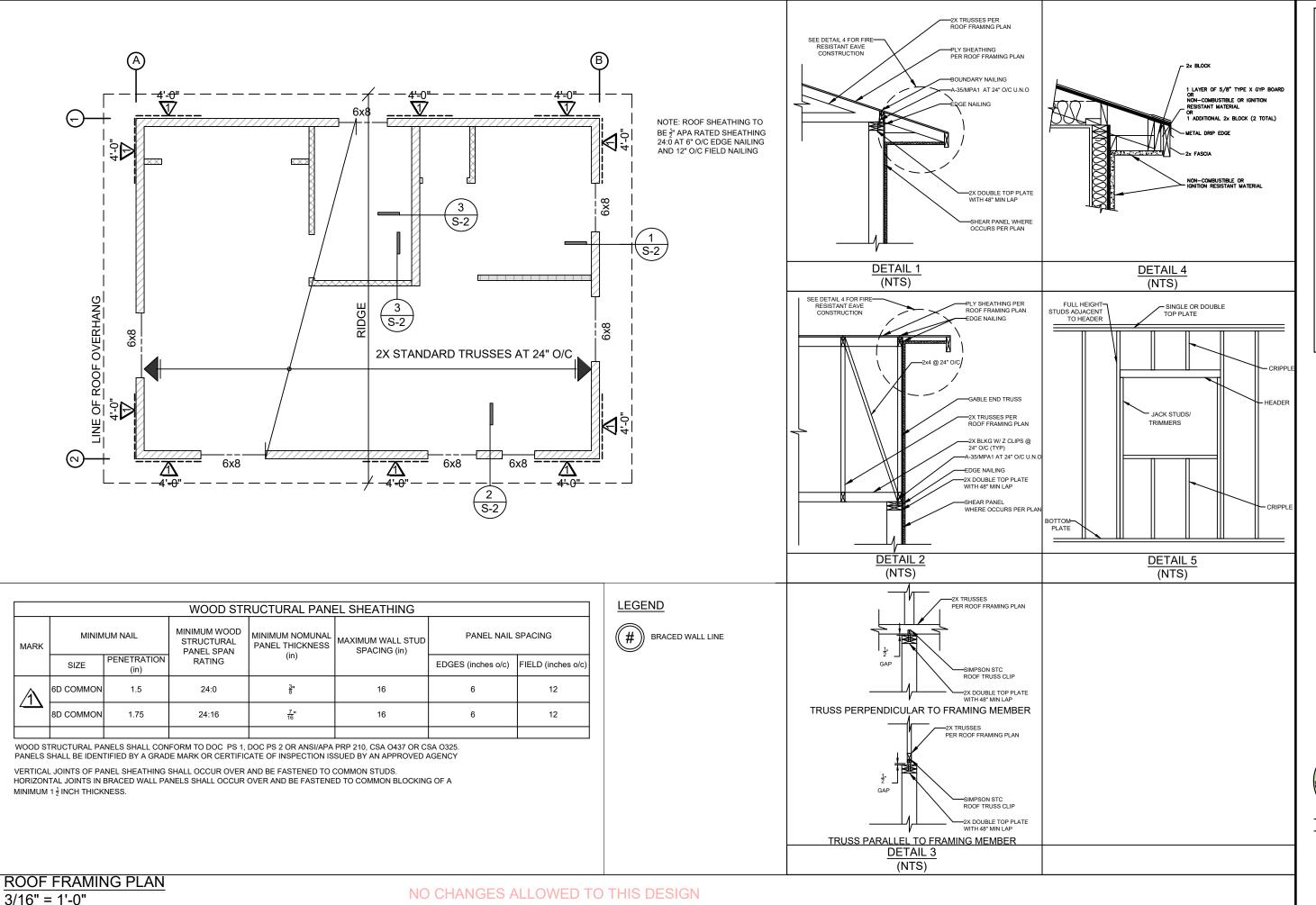
LNO County of Tulare, Economic Development 600 SF ACCESSORY DWELLING BUILDING DIVISION

Sheet Number

MARK RATING EDGES (inches o/c) FIELD (inches o/c 1.5 24:0 16 12 6D COMMON 6 8D COMMON 1.75 24:16 16 6 12

WOOD STRUCTURAL PANELS SHALL CONFORM TO DOC PS 1, DOC PS 2 OR ANSI/APA PRP 210, CSA O437 OR CSA O325. PANELS SHALL BE IDENTIFIED BY A GRADE MARK OR CERTIFICATE OF INSPECTION ISSUED BY AN APPROVED AGENCY

VERTICAL JOINTS OF PANEL SHEATHING SHALL OCCUR OVER AND BE FASTENED TO COMMON STUDS. HORIZONTAL JOINTS IN BRACED WALL PANELS SHALL OCCUR OVER AND BE FASTENED TO COMMON BLOCKING OF A MINIMUM 1 $\frac{1}{2}$ INCH THICKNESS.



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LNO County of Tulare, Economic Development 600 SF ACCESSORY DWELLING BUILDING DIVISION

A. Electrical, Plumbing, and Mechanical

- Exterior lighting. All projects shall comply with the County of Tulare lighting ordinand
- 2. GFCI outlets. Ground Fault Circuit Interrupter (GFCI) outlets are required in bathrooms then countertops, at laundry and wet bar sinks, in garages, in crawl shed basements, and outdoors. (CEC 210.8)
- AFCI outlets. Electrical circuits in bedrooms, living rooms, dining rooms, dens, closets s. or similar rooms must be protected by Arc Fault Circuit Interrupters (AFCI). (CEC 210.12)
- Luminaire requirements. Installed luminaires shall meet the efficacy and fixture requirements of CREES 150 0(k)
- Smoke detectors in building remodels. Smoke detectors are required in each existing sleeping room, outside each separate sleeping area in the immediate vicinity of sleeping rooms, and on each story of a dwelling including basements. Battery-operated detectors are acceptable in existing areas with no construction taking place and in alterations not resulting in removal of interior wall or ceiling finishes and without access via an attic, crawl space, or basement, (CRC R314.3)
- Carbon monoxide detectors in building remodels. Carbon monoxide detectors are required outside each separate sleeping area in the immediate vicinity of sleeping rooms and on each story of a dwelling including basements. Battery-operated detectors are acceptable in existing areas with no construction taking place and in alterations not resulting in removal of interior wall or ceiling finishes and without access via an attic, crawl space, or basement. (CRC R315.3)
- Water heater seismic strapping. Minimum two 3/4-inch-by-24-gauge straps required around water heaters, with 1/4-inch-by-3-inch lag botls attached directly to framing. Str. shall be at points within upper third and lower third of water heater vertical dimension. Lower connection shall occur minimum 4 inches above controls. (CPC 507.2)
- Gas appliances in garages. Water heaters and heating/cooling equipment capable of igniting flammable vapors shall be placed on minimum 18-inch-high platform unless listing report number provided showing ignition-resistant appliance. (CPC 507.13 and CMC 1905.)
- Impact protection of appliances. Water heaters and heating/cooling equipment subject ehicular impact shall be protected by bollards or an equivalent measure. (CPC 507 13 1 and CMC 305 11)
- 10. Water closet clearance. Minimum 30-inch-wide by 24-inch-deep clearance required at front of water closets. (CPC 402.5)
- . Shower size. Shower compartments shall have minimum area of 1024 square inches be able to encompass a 30-inch-diameter circle. Shower doors shall have a minimum 22-inch unobstructed width. (CPC 408.5 and CPC 408.6)
- Fireplace appliances. Fireplaces with gas appliances are required to have the flue damper permanently fixed in the open position and fireplaces with LPG appliances have no 'pit' or 'sump' configurations. (CMC 303.7.1)
- Chimney clearance. Minimum 2-foot chimney clearance required above building within 10-foot horizontally of chimney. The chimney shall extend minimum 3 feet above highest point where chimney passes through roof. (CRC R1003.9)

4 Mechanical Ventilation and Indoor Air Quality (ASHRAF 62 2-2010)

- Transfer air. Ventilation air shall be provided directly from the outdoors and not as transfer air from adjacent dwelling units or other spaces, such as garages, unconditioned rawlspaces or unconditioned attics (CBEES 150 0(o))
- Instructions and labeling. Ventilation system controls shall be labeled and the home owner shall be provided with instructions on how to operate the system. (CBEES 150.0(o))
- Combustion and solid-fuel burning appliances. Combustion appliances shall be properly vented and air systems shall be designed to prevent back drafting. (CBEES
- Garages. The wall and openings between occupiable spaces and the garage shall be sealed. HYAC systems that include air handlers or return ducts located in garages shall have total air leakage of no more than 6% of total fan flow when measured at 0.1 in. w.c. using California Title 24 or equivalents. (CBEES 150.0(o))
- Minimum filtration. Mechanical systems supplying air to occupiable space through ductwork shall be provided with a filter having a minimum efficiency of MERV 6 or better Air inlets. Air inlets (not exhaust) shall be located away from known contaminants.
- Air moving equipment. Air moving equipment used to meet either the whole-building ventilation requirement or the local ventilation exhaust requirement shall be rated in term of airflow and sound. (CBEES 150.0(o))
- a. All continuously operating fans shall be rated at a maximum of 1.0 sone.
- Intermittently operated whole-building ventilation fans shall be rated at a maximum of c. Intermittently operated local exhaust fans shall be rated at maximum of 3.0 sone.
- d. Remotely located air-moving equipment (mounted outside of habitable spaces) need
- not meet sound requirements if at least 4 feet of ductwork between fan and intake grill

Foundation and Underfloor

- Foundation reinforcement. Continuous footings and stem walls shall be provided with a nimum two longitudinal No. 4 bars, one at the top and one at the bottom of the footing (CRC R403 1 3 3)
- Shear wall foundation support. Shear walls shall be supported by continuous nundations (CRC 403.1.2)
- Concrete slabs-on-grade. Slabs-on-grade shall be minimum 3-1/2-inches thick. (CRC
- Vapor retarder. A 6-mil polyethylene or approved vapor retarder with joints lapped minimum 6 inches shall be placed between a concrete slab-on-grade and the base course or subgrade. (CRC 506.2.3)
- Anchor holts and sills. Foundation plates or sills shall be holted or anchored to the dation or foundation wall per the following (CRC R403.1.6 and CRC R602.11.1)
- a. Minimum 1/2-inch-diameter steel bolts
- b. Bolts embedded at least 7 inches into concrete or masonry
- d. Minimum two bolts per plate/sill piece with one bolt located maximum 12 inches and minimum 7 bolt diameters from each end of each sill plate/piece
- e. Minimum 3-inch by 3-inch by 0.299-inch steel plate washer between sill and nut on
- Hold-downs. All hold-downs must be tied in place prior to foundation inspection
- **Protection of wood against decay.** Naturally durable or preservative-treated wood shall be provided in the following locations (CRC R317.1): . All wood in contact with ground, embedded in concrete in direct contact with ground, or embedded in concrete exposed to weather
- b. Wood joists within 18 inches and wood girders within 12 inches of the exposed ground spaces shall be of naturally durable or preservative-treated wood
- c. Wood framing members that rest on concrete or masonry exterior foundation walls and are less than 8 inches from exposed earth shall be of naturally durable or preservative
- treated wood d. Wood framing, sheathing, and siding on the exterior of the building and having
- clearance less than 6 inches from the exposed ground or less than 2 inches vertically from concrete steps, porch slabs, patio slabs, and similar horizontal surface exposed to
- Sills and sleepers on concrete or masonry slab in direct contact with ground unless

D. Foundation and Underfloor (Continued)

- Ends of wood girders entering masonry or concrete walls with clearances less than 1/2 inch on tops, sides, and ends
- Wood structural members supporting moisture-permeable floors or roofs expo ther, such as concrete or masonry slabs, unless separated from such floors of
- Wood furring strips or other wood framing members attached directly to interior of exterior concrete or masonry walls below grade except where vapor retarder applied between wall and furring strips or framing members Underfloor ventilation. Underfloor areas shall have ventilation openings through foundation walls or exterior walls, with minimum net area of ventilation openings of 1 square foot for each 150 square feet of underfloor area. On such ventilating opening shall be within 3 feet of each corner of the building. (CRC R408.1)
- Underfloor access. Underfloor areas shall be provided with a minimum 18-inch by ng. (CRC R408.4)

- members/elements shall not be less than that set forth in CRC Table R602.3(1). (CRC R502.9, CRC R602.3, and CRC R802.2)
- Stud size, height, and spacing. The size, height, and spacing of studs shall be in accordance with CRC Table R602.3(5). (CRC R602.3.1)
- 3. Sill plate. Studs shall have full bearing on nominal 2-inch thick or larger sill plate with width at least equal to stud width. (CRC R602.3.4)
- Bearing studs. Where joists, trusses, or rafters are spaced more than 16 inches on center and the bearing studs below are spaced 24 inches on center, such members shall bear within 5 inches of the studs beneath, (CRC R602.3.3)
- Drilling and notching of studs. Any stud in an exterior wall or bearing partition may be cut or notched to a depth not exceeding 25% of its width. Studs in nonbearing partition may be notched to a depth not to exceed 40% of a single stud width. Any stud may be ored or drilled, provided the diameter of the resulting hole is no more than 60% of the stud width, the edge of the hole is no more than 5/8 inch to the edge of the stud, and the hole is not located in the same section as a cut or notch. Studs located in exterior wall or pearing partitions drilled over 40% and up to 60% shall also be doubled with no more han two successive studs bored. (CRC R602.6)
- Top plate. Wood stud walls shall be capped with a double top plate ins overlapping at corners and at intersections with other partitions. End joints in double top plates shall be offset at least 24 inches. Joints in plates need not occur over studs. Plates shall be minimum nominal 2 inches thick and have width at least equal to width of studs. (CRC R602.3.2)
- Top plate splices. Top plate lap splices shall be face-nailed with minimum 8 16d nails on each side of splice. (CRC R602.10.8.1)
- Drilling and notching of top plate. When piping or ductwork is placed in or partly in an ritining and noticining of top plate. When piping of ductwork is placed in or party in an deficior wall or interior load-bearing wall, necessitating cutting, drilling, or notching of the p plate by more than 50% of its width, a galvanized metal tie not less than 0.054-inch ick and 1-1/2-inches wide shall be fastened across and to the plate at each side of the bening with not less than 8 10d nails having a minimum length of 1-1/2 inches at each de or equivalent. The metal tie must extend minimum 6 inches past the opening. (CRC
- Cripple walls. Foundation cripple walls shall be framed of study not less in size than the crippie waits. Pourlaction crippie waits shall be trained of studis not less in size train the studding above. Cripple walls more than 4 feet in height shall have studs sized as required for an additional story. Cripple walls with stud height less than 14 inches shall be sheathed on at least one side with a wood structural panel fastened to both the top and ottom plates in accordance with Table R602.3(1), or the cripple walls shall be onstructed of solid blocking. Cripple walls shall be supported on continuous oundations (CRC R602.9
- 10. Wall bracing. Buildings shall be braced in accordance with the methods allowed be CRC R602.10.2, CRC R602.10.4, and/or CRC R602.10.5.
- Braced wall line spacing. Spacing between braced wall lines shall not exceed 20 feet or alternate provisions of CRC R602.10.1.3.
- Shear wall cumulative length. The cumulative length of shear walls within each braced wall line shall meet the provisions of CRC Table R602.10.3(1) for wind loads and CRC Table R602.10.3(2) for seismic loads. (CRC R602.10.1.1)
- 3. Shear wall spacing. Shear walls shall be located not more than 25 feet on center. (CRC
- 14. Shear wall offset. Shear walls may be offset out-of-plan not more than 4 feet from the designated braced wall line and not more than 8 feet from any other offset wall sidered part of the same braced wall line. (CRC R602.10.1.2) 15. Shear wall location. Shear walls shall be located at the ends of each braced wall line or
- neet the alternate provisions of CRC R602.10.2.2.
- 16. Individual shear wall length. Shear walls shall meet minimum length requirements of
- 17. Cripple wall bracing. Cripple walls shall be braced per CRC R602.10.11. Shear wall and diaphragm nailing. All shear walls, roof diaphragms, and floor diaphragms shall be nailed to supporting construction per CRC Table R602.3(1). (CRC
- 19. Shear wall joints. All vertical joints in shear wall sheathing shall occur over, and be fastened to, common studs. Horizontal joints in shear walls shall occur over, and be fastened to, minimum 1-1/2-inch-thick blocking. (CRC R602.10.10)
- 20. Framing over openings. Headers, double joists, or trusses of adequate size to transfer rtical members shall be provided over window and door openings in load-bearing walls and partitions. (CBC 2304.3.2)
- 21. Joists under bearing partitions. Joists under parallel bearing partitions shall be of adequate size to support the load. Double joists, sized to adequately support the load, that are separated to permit the installation of piping or vents shall be full-depth solid-blocked with minimum 2-inch nominal lumber spaced at maximum 4 feet on center. Bearing partitions perpendicular to joists shall not be offset from supporting girders. walls, or partitions more than the joist depth unless such joists are of sufficient size to carry the additional load. (CRC R502.4)
- 22. Joists above or below shear walls. Where joists are perpendicular to a shear wall above or below, a rim joist, band joist, or blocking shall be provided along the entire length of the shear wall. Where joists are parallel to a shear wall above or below, a rim joist, end joist, or other parallel framing shall be provided directly above and/or below the below the shear wall, full-depth blocking at 16-inch spacing shall be provided be the parallel framing members to each side of the shear wall. (CRC R602.10.8)
- 23. Floor member bearing. The ends of each floor joist, beam, or girder shall have initium 1-17 inches of bearing on wood or metal and minimum 3 inches of bearing asonry or concrete except where supported on a 1-inch-by-4-inch ribbon strip an illed to the adjoining stud or by the use of approved joist hangers. (CRC R502.6)
- 24. Floor joist lap. Floor joists framing opposite sides over a bearing support shall lap minimum 3 inches and shall be nailed together within minimum 3 10d face nails. A netal splice with strength equal to or greater than that provided by the lap is p
- 25. Floor joist-to-girder support. Floor joists framing into the side of a wood girder shall be ved framing anchors or on ledger strips minimum nominal 2 inches by 2 inches (CRC R502 6 2) 26. Floor joist lateral restraint. Floor joists shall be supported laterally at ends and each
- mediate support by minimum 2-inch full-depth blocking, by attachment to full-depth header, band joist, or rim joist, to an adjoining stud, or shall be otherwise provided with lateral support to prevent rotation. (CRC R502.7) 7. Floor joist bridging. Floor joists exceeding nominal 2 inches by 12 inches shall be

upported laterally by solid blocking, diagonal bridging (wood or metal), or a continuous inch-by-3-inch strip nailed across the bottom of joists perpendicular to joists at

naximum 8-foot intervals. (CRC R502.7.1) maximum 8-toot intervals. (CRC R502.7.1)

Framing of floor openings. Openings in floor framing shall be framed with a header and trimmer joists. When the header joist span does not exceed 4 feet, the header joist may be a single member the same size as the floor joist. Single trimmer joists may be used carry a single header joist located within 3 feet of the trimmer joist bearing. When the header joist span exceeds 4 feet, the trimmer joists and header joist shall be doubled and of sufficient cross section to support the floor joists framing into the header. Approved hangers shall be used for the header-joist-to-trimmer-joist connections when the header joist span exceeds 6 feet. Tail joist sover 12 feet long shall be supported at the header by framing anchors or on ledger strips minimum 2 inches by 2 inches. (CRC R502.10)

E. Wood Framing (Continued)

- 29. Girders. Girders for single-story construction or girders supporting loads from a single Girders. Girders for single-story construction or girders supporting loads from a single floor shall not be less than 4 inches by 6 inches for spans 6 feet or less, provided that girders are spaced not more than 8 feet on center. Other girders shall be designed to support the loads specified in the CBC. Girder end joints shall occur over supports. When a girder is spiliced over a support, an adequate tie shall be provided. The ends of beams or girders supported on masonry or concrete shall not have less than 3 inches of bearing (CBC 2018 7).
- 30. Ridges, hips, and valleys. Rafters shall be framed to a ridge board or to each other with plate as a tie. Ridge boards shall be minimum 1-inch nominal thickness and no ess in depth than the cut end of the rafter. At all valley and hips, there shall be a valley or hip rafter not less than 2-inch nominal thickness and not less in depth than the cut end of the rafter. Hip and valley rafters shall be supported at the ridge by a brace to a bearing partition or be designed to carry and distribute the specific load at that point Where the roof pitch is less than 3:12 slope (25% gradient), structural men ort rafters and ceilings joists, such as ridges, hips, and valleys, shall be designed a 31. Ceiling joist and rafter connections. Ceiling joists and rafters shall be nailed to each
- other per CRC Table R802.5.1(9), and the rafter shall be nailed to the wall top plate per CRC Table R602.3(1). Ceiling joists shall be continuous or securely joined per CRC Table R802.5.1(9) where they meet over interior partitions and are nailed to adjacent afters to provide a continuous tie across the building when such joists are parallel to rafters. Where ceiling joists are not connected to the rafters at the wall top plate, joists nnected higher in the attic shall be installed as rafter ties, or rafter ties shall be in: provide a continuous tie. Where ceiling joists are not parallel to rafters, rafter ties shall installed. Rafter ties shall be minimum 2 inches by 4 inches nominal, installed per CRC Table R802.5.1(9) or connections of equivalent capacities shall be provide Where ceilings joists or rafter ties are not provided, the ridge formed by these rafters shall be supported by a wall or engineer-designed girder. (CRC R802.3.1)
- 32. Ceiling joists lapped. Ends of ceiling joists shall be lapped minimum 3 inches or butted ring partitions or beams and toenailed to the bearing element. Where ceiling joists provide resistance to rafter thrust, lapped joists shall be nailed together per CR Table R602.3(1) and butted joists shall be tied together in a manner to resist such thrus (CRC R802 3 2)
- 33. Collar ties. Collar ties or ridge straps to resist wind uplift shall be connected in the upper third of the attic space. Collar ties shall be a minimum 1 inch by 4 inches nominal and spaced at maximum 4 feet on center. (CRC R802.3.1)
- Purlins. Purlins installed to reduce the span of rafters shall be sized not less than the required size of the rafters they support. Purlins shall be continuous and shall be supported by 2-inch-by-4-inch nominal braces installed to bearing walls at a minim 45-degree slope from horizontal. The braces shall be spaced maximum 4 feet on center with a maximum 8-foot unbraced length. (CRC R802.5.1)
- Roof/ceiling member bearing. The ends of each rafter or ceiling joist shall have not less than 1-1/2 inches of bearing on wood or metal and not less than 3 inches of bearing on masonry or concrete. (CRC R802.6)
- 36. Rooffceiling member lateral support. Roof framing members and ceiling joists with a nominal depth-to-thickness ratio exceeding 5:1 shall be provided with lateral support at points of bearing to prevent rotation. (CRC R802.8) 37. Roof/ceiling bridging. Rafters and ceiling joists with a nominal depth-to-thickness ratio exceeding 6:1 shall be supported laterally by solid blocking, diagonal bridging (wood o

oists at maximum 8-foot intervals. (CRC R802.8.1)

non-bearing partitions and bottom chords of trusses

uous 1-inch-by-3-inch wood strip nailed across the rafters or ceiling

- 38. Framing of roof/ceiling openings. Openings in roof and ceiling framing shall be framed nmer joists. When the header joist span does not exceed 4 fee the header joist may be a single member the same size as the ceiling joist or rafter Single trimmer joists may be used to carry a single header joist located within 3 feet of the trimmer joist bearing. When the header joist span exceeds 4 feet, the trimmer joists and header joist shall be doubled and of sufficient cross section to support the ceiling oists or rafters framing into the header. Approved hangers shall be used for the neader-joist-to-trimmer-joist connections when the header joist span exceeds 6 feet. Tail joists over 12 feet long shall be supported at the header by framing anchors or on ledge strips minimum 2 inches by 2 inches. (CRC R502.10)
- 39. Roof framing above shear walls. Rafters or roof trusses shall be connected to to plates of shear walls with blocking between the rafters or trusses. (CRC R602.10.8)
- 40. Roof diaphragm under fill framing. Roof plywood shall be continuous under California 41. Roof diaphragm at ridges. Minimum 2-inch nominal blocking required for roof
- 42. Blocking of roof trusses. Minimum 2-inch nominal blocking required between trusses at s and at points of bearing at exterior walls 43. Truss clearance. Minimum 1/2-inch clearance required between top plates of interior
- 44. Drilling, cutting, and notching of roof/floor framing. Notches in solid lumber joists rafters, blocking, and beams shall not exceed one-sixth the member depth, shall be not longer than one-third the member depth, and shall not be located in the middle one-third of the span. Notches at member ends shall not exceed one-fourth the member depti The tension side of members 4 inches or greater in nominal thickness shall not be notched except at member ends. The diameter of holes bored or cut into members sha not exceed one-third the member depth. Holes shall not be closer than 2 inches to the top or bottom of the member or to any other hole located in the member. Where the nber is also notched, the hole shall not be closer than 2 inches to the notch. (CRC
- 45. Exterior landings, decks, balconies, and stairs. Such elements shall be posanchored to the primary structure to resist both vertical and lateral forces or shall be designed to be self-supporting. Attachment shall not be accomplished by use of toenails or nails subject to withdrawal. (CRC R311.3)
- Fireblocking. Fireblocking shall be provided in the following locations (CRC R302.11 and CRC R1003.19):
- a. In concealed spaces of stud walls and partitions, including furred spaces, and paralle
- i. Vertically at the ceiling and floor levels ii. Horizontally at intervals not exceeding 10 feet

liaphragm nailing at ridges.

- At all interconnections between concealed vertical and horizontal spaces such as occur at soffits, drop ceilings, and cove ceilings
- c. In concealed spaces between stair stringers at the top and bottom of the run d. At openings around vents, pipes, ducts, cables and wires at ceiling and floor level, with
- oved material to resist the free passage of flame and products of combus e. At chimneys and fireplaces per item E.49
- Cornices of a two-family dwelling at the line of dwelling-unit separation
- **47. Fireblocking materials.** Except as otherwise specified in items E.48 and E.49, fireblocking shall consist of the following materials with the integrity maintained (CRC
- a. Two-inch nominal lumber
- b. Two thicknesses of one-inch nominal lumber with broken lap joints
- c. One thickness of 23/32-inch wood structural panel with joints backed by 23/32-inch d. One thickness of 3/4-inch particleboard with joints backed by 3/4-inch particleboard
- e. 1/2-inch gypsum board
- f. 1/4-inch cement-based millboard g. Batts or blankets of mineral or glass fiber of other approved materials installed in such
- a manner as to be securely retained in place. Batts or blankets of mineral or glass fiber or other approved non-rigid materials shall be permitted for compliance with the 10-foot horizontal fireblocking in walls constructed using parallel rows of studs or staggered studs. Unfaced fiberglass batt insulation used as fireblocking shall fill the ntire cross-section of the wall cavity to a minimum height of 16 inches me vertically. When piping, conduit, or similar obstructions are encountered, the insulation shall be packed tightly around the obstruction. Loose-fill insulation material shall not be used as a fireblock unless specifically tested in the form and manner intended fo use to demonstrate its ability to remain in place and to retard the spread of fire and hot
- Fireblocking at openings around vents, pipes, ducts, cables, and wires at ceiling and floor level. Such openings shall be fireblocked with an the free passage of flame and products of combustion. (CRC R302.11)

E. Wood Framing (Continued)

- 49. Fireblocking of chimneys and fireplaces. All spaces between chimneys and floors and insuranting or climinarys and irreplaces. An spaces between crimineys an earlings through which chimneys pass shall be fireblocked with noncombustib securely fastened in place. The fireblocking of spaces between chimneys and other spaces of the spaces between combustible material and the chimney. (If the placed on strips of me ath laid across the spaces between combustible material and the chimney. (If the place of the place is the spaces between combustible material and the chimney. (If the place is the place is the place is the place of the place of
- 50. Draftstopping. In combustible construction where there is usable space both above and aled space of a floor/ceiling assembly, draftstops shall be installed so that the area of the concealed space does not exceed 1000 square feet. Draftstopping shall divide the concealed space into approximately equal areas. Where the assert relocated by a floor membrane above and a ceiling membrane below, draftstop e provided in floor/ceiling assemblies under the following circumstances (CRC
- a. Ceiling is suspended under the floor framing
- Floor framing is constructed of truss-type open-web or perforated members
- Draftstopping materials. Draftstopping shall not be less than 1/2-inch gypsum bo 3/8-inch wood structural panels, or other approved materials adequately supported Draftstopping shall be installed parallel to the floor framing members unless other approved by the building official. The integrity of draftstops shall be maintained. (i
- 52. Combustible insulation clearance. Combustible insulation shall be separated m 3 inches from recessed luminaires, fan motors, and other heat-producing devices.

General Material Specifications

- 1. Lumber. All joists, rafters, beams, and posts 2-inches to 4-inches thick shall be No. 2 Lumber, Aij Jossa, faules, beams, and poss 2-iticles to 4-incless lick shall be No. 2 grade Douglas Fir-Larch or better. All posts and beams 5 inches and thicker shall be No. I grade Douglas Fir-Larch or better. Studs not more than 8 feet long shall be stud-grade Douglas Fir-Larch or better when supporting not more than one floor, roof, and ceiling. Studs longer than 8 feet shall be No. 2 grade Douglas Fir-Larch or better.
- Concrete. Concrete shall have a minimum compressive strength of 2 500 psi at 28 days and shall consist of 1 part cement, 3 parts sand, 4 parts 1-inch maximum not more than 7-1/2 gallons of water per sack of cement. (CRC R402.2) Mortar. Mortar used in construction of masonry walls, foundation walls, and retaining
- walls shall conform to ASTM C 270 and shall consist of 1 part portland cement, 2-1/4 to 3 parts sand, and 1/4 to 1/2 part hydrated lime, (CBC 2103.2) Grout. Grout shall conform to ASTM C 476 and shall consist of 1 part portlan 1/10 part hydrated lime, 2-1/4 to 3 parts sand, and 1 to 2 parts gravel. Grout shall attai
- a minimum compressive strength of 2,000 psi at 28 days. (CBC 2103.3) Masonry. Masonry units shall comply with ASTM C 90 for load-bearing concr masonry units. (CBC 2103.1)
- Reinforcing steel. Reinforcing steel used in construction of reinforced masonry or concrete structures shall be deformed and comply with ASTM A 615. (CBC 2103.4) Structural steel. Steel used as structural shapes such as wide-flange sections
- channels, plates, and angles shall comply with ASTM A36. Pipe columns swith ASTM A53. Structural tubes shall comply with ASTM A500, Grade B. Fasteners for preservative-treated wood. Fasteners for preservative-treated and eated wood - including nuts and washers -- shall be of hot dipped zinc-coated galvanized steel, stainless steel, silicon bronze, or copper. (CRC R317.3.1) Exception: 1/2-inch diameter or greater steel bolts
- Exception: Fasteners other than nails and timber rivets may be of mechani deposited zinc-coated steel with coating weights in accordance with ASTN
- Excention: Plain carbon steel fasteners accentable in SRX/DOT and zinc borate
- Fasteners for fire-retardant-treated wood. Fasteners for fire-retardant-treated wood used in exterior applications or wet or damp locations shall be of hot dipped zinc-galvanized steel, stainless steel, silicon bronze, or copper. (CRC R317.3.3)

G. Roofing and Weatherproofing

- 1. Roof covering. All roof covering shall be installed per applicable requirements of CBC rings shall be at least Class A rated in accordance with ASTM F 108 or UI 790 which shall include coverings of slate, clay or concrete roof tile, expo concrete roof deck, ferrous or copper shingles or sheets. (County Building Code 92.1.1505.1)
- 2. Roof flashing. Flashing shall be installed at wall and roof intersections, at gutters herever there is a change in roof slope or direction, and around roof opflashing is of metal, the metal shall be corrosion-resistant with a thickness of not less than 0.019 inch (No. 26 galvanized sheet), (CRC R903.2.1) Crickets and saddles. A cricket or saddle shall be installed on the ridge side of any
- chimney or penetration more than 30 inches wide as measured perpendicular to the slope. Cricket or saddle covering shall be sheet metal or the same material as the roof covering, (CRC R903.2.2) Water-resistative barrier. A minimum of one layer of No. 15 asphalt felt shall be attached to studs or sheathing of all exterior walls. Such felt or material shall be applied horizontally, with the upper layer lapped over the lower layer minimum 2 inches. Where joints occur, felt shall be lapped minimum 6 inches. The felt shall be continuous to the top of walls and terminated at penetrations and busiding appendages in a manner to maintain a weather-resistant exterior wall enrelepse. (CRC R703.2)
- Wall flashing. Approved corrosion-resistant flashing shall be applied shingle fashion at the following locations to prevent entry of water into the wall cavity or penetration of water to the building structural framing components (CRC R703.8):
- Exterior door and window openings, extending to the surface of the exterior wall finish
 or to the water-resistive barrier for subsequent drainage b. At the intersection of chimneys or other masonry construction with frame or stucco
- c. Under and at the ends of masonry, wood, or metal copings and sills d. Continuously above all projecting wood trin
- walls, with projecting lips on both sides under stucco copings e. Where exterior porches, decks, or stairs attach to a wall or floor assembly o
- f. At wall and roof intersections
- a. At built-in autters
- Dampproofing. Dampproofing materials for foundation walls enclosing usable space below grade shall be installed on the exterior surface of the wall, and shall extend from the top of the footing to finished grade. (CRC R406.1)
- Weep screed. A minimum 0.019-inch (No. 26 galvanized sheet gage Weep scred. A minimum 0.019-inch (No. 26 galvanized sheet gage), corrosion-resistant weep screde of plastic weep screde with a minimum vertical attachment flange of 3-1/2 inches shall be provided at or below the foundation plate I on exterior stud walls in accordance with ASTM C 92. The weep screed shall be plate a minimum 4 inches above the earth or 2 Inches above paved areas and shall be of type allowing trapped water to drain to the exterior of the building. (CRC R703.7.2.1)

- Grading permit. Grading permit required if volume of earth moved exceeds 200 cubic yards or if any cuts or fills exceed 8 feet in height/depth. (County Grading Ordinance 2 Compaction report. Compaction report required for fill material 12 inches or more in depth. (CBC 1803.5.8
- 1. Applicability CalGreen residential mandatory measures shall apply to every newly nstructed building or structure and within any addition or alte building's conditioned area, volume, or size, (CalGreen 101.3, CalGreen 301.1.1) Exception: All residential buildings undergoing permitted alterations, additions, of improvements shall replace noncompliant plumbing fixtures with water-conserving

I. Green Building Standards Code (CALGreen) Requirements

plumbing fixtures per CalGreen 301.1.1 and CalGreen 4.303.1

- I. (CALGreen) Requirements (Continued)
- ater conserving plumbing fixtures and fittings. Plumbing fixtures and fittings shall mply with the following per CalGreen 4.303.1:
 - Water closets: Maximum 1 28 gallons per flush
 - Urinals: Maximum 0.5 gallons per flush
 - Single showerheads: Maximum flow rate of 2.0 gallons per minute at 80 psi Multiple showerheads serving one shower: Maximum combined flow rate of 2.0
- Lavatory faucets: Maximum flow rate of 1.2 gallons per minute at 60 psi, minimum
- flow rate of 0.8 gallons per minute at 20 psi
- f. Kitchen faucets: Maximum flow rate of 1.8 gallons per minute at 60 psi
- Exception: Temporary increase allowed to maximum 2.2 gallons per minute at 60 psi if faucet defaults back to maximum 1.8 gallons per minute at 60 ps
- Irrigation controllers. Automatic irrigation system controllers for landscaping shall comply with the following (CalGreen 4.304.1):
- Controllers shall be weather- or soil moisture-based controllers that automatically adjust irrigation in response to changes in plants' needs as weather conditions change. Weather-based controllers without integral rain sensors or communication systems that account for local rainfall shall have a separate wired or wireless rain sensor which
- unicates with the controller(s). Soil moisture-based controllers ar not required to have rain sensor input ints and openings. Openings in the building envelope separating conditioned space from unconditioned space needed to accommodate utility and other penetrations must b sealed in compliance with the California Energy Code. (CALGreen 4.406.1) Exception: 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 suc opening with cement mortar, concrete masonry or a similar method acceptable to the
- Construction waste reduction, disposal, and recycling. Reduce and/or salvage for euse a minimum of 65 percent of the nonhazardous construction and demolition debris (CAI Green 4 408 1)

Exception: Alternate waste reduction methods developed by working with local agencies

ed reasonably close to the jobsite County of Tulare, Department of Public Works, Construction & Demolition (C&D) Facilities Guide is online at:

if diversion or recycle facilities capable of compliance with this item do not exist or are no

- Construction waste management plan. A construction waste management plan shall be prepared and available on site during construction. Documentation demonstrating compliance with the plan shall be accessible during construction for the enforcing agency. (CALGreen 4.408.2) The plan:
- Identify the construction and demolition waste materials to be diverted from disposal by recycling, reuse on the project or salvage for future use or sale
- Specify if construction and demolition waste materials will be sorted on-site (source-separated) or bulk mixed (single stream) Identify diversion facilities where the construction and demolition waste materials will be
- d. Identify construction methods employed to reduce the amount of construction and
- e. Specify that the amount of construction and demolition waste materials diverted shall be lated by weight or volume, but not by both Operation and maintenance manual. Prior to final inspection, a manual, compact dis-web-based reference, or other acceptable media which includes all of the following sha be placed in the building (CALGreen 4.410.1):
- a. Directions to owner or occupant that manual shall remain with the building throughout the life cycle of the structure. Operation and maintenance instructions for the following:
- Equipment and appliances, including water-saving devices and systems, HVAC system, photovoltaic systems, water-heating systems and other major appliances and
- ii. Roof and vard drainage, including gutters and downspouts Space conditioning systems, including condensers and air filters
- iv. Landscape irrigation systems. Water reuse systems.

 Information from local utility, water, and waste recovery providers on methods to
- further reduce resource consumption, including recycle programs and locations d. Public transportation and/or carpool options available in the area. Educational material on the positive impacts of an interior relative humidity betwee 30-60 percent and what methods an occupant may use to maintain the relati humidity level in that range.
- Information about water-conserving landscape and irrigation design and controllers
- Instructions for maintaining gutters and downspouts and the importance of diverting water at least 5 feet away from the foundation. Information on required routine maintenance measures, including, but not limited to, caulking, painting, grading around the building, etc. Information about state solar energy and incentive programs available A copy of all special inspection verifications required by the enforcing agency or code
- Covering of duct openings and protection of mechanical equipment during construction. At the time of rough installation or during storage on the construction site and until final startup of the heating and cooling equipment, all duct and other related ai distribution component openings shall be covered with tape, plastic, sheetmetal or other nethods acceptable to the enforcing agency to reduce the amount of dust or debris which may collect in the system. (CALGreen 4.504.1)
- Adhesives, sealants, caulks, paints, and coatings pollutant control. Adhesives (including carpet adhesives), sealants, caulks, paints, and coatings shall comply with VOC limits per CALCreen 4.504.2 Verification of compliance shall be provided at the request of the enforcing agency. (CALGreen 4.504.2.1)
- 10. Carpet systems. All carpet installed in the building interior shall meet the testing and product requirements of one of the following (CALGreen 4.504.3):
- Carpet and Rug Institute's Green Label Plus Program (all carpet cushion must meet b. California Department of Public Health Standard Practice for the testing of VOCs
- Scientific Certifications Systems Indoor Advantage™ Gold. 11. Resilient flooring systems. At least 80 percent of the floor area receiving resilient flooring shall comply with one of or more of the following (CALGreen 4.504.4):
- VOC emission limits defined in the Collaborative for High Performance Schools (CHPS) High Performance Products Database Products compliant with CHPS criteria certified under the Greenguard Children &
- c. Certification under the Resilient Floor Covering Institute (RFCI) FloorScore program d. Meet the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers." Version 1.1. February 2010 (also known as Specification
- 12. Composite wood products. Hardwood plywood, particleboard and medium density
- a Hardwood plywood veneer core b. Hardwood plywood composite core 0.05 c. Particle board 0.09 e Thin MDF (5/16 inch or less) 0.13

NSF/ANSI 140 at the Gold level.

I. (CALGreen) Requirements (Continued)

moisture meter

TABLE R602.3(1)

- 13. Moisture content of building materials. Building materials with visible signs vater damage shall not be installed. Wall and floor framing shall not be en when the framing members exceed 19 perc
- ontent shall be verified in compliance with the following (CAI Green 4 505.3) Moisture content shall be determined with either a probe-type or contact-typ
- Moisture readings shall be taken at a point 2 feet to 4 feet from the grade stamped end of each piece to be verified
- At least three random moisture readings shall be performed on wall and floo framing with documentation acceptable to the enforcing agency provided at time of approval to enclose the wall and floor framing.
- Insulation products which are visibly wet or have high moisture content shall be eplaced or allowed to dry prior to enclosure in wall or floor cavitie ucts shall follow the manufa dations prior to enclosure
- 14. Bathrooms with a bathtub and/or shower shall be mechanically ventilated per tr following (CalGreen 4 506 1):
- a. Fans shall be ENERGY STAR compliant and ducted to terminate outside
- Unless functioning as a component of a whole-house ventilation system, fans shall have humidity controls capable of adjustment manually or automatically -- between a relative humidity range of 50% to 80%.
- Heating and air-conditioning system design. Heating and air-conditioni systems shall be sized, designed, and have their equipment selected using following methods (CALGreen 4.507.2):
- a. The heat loss and heat gain is established according to ANSI/ACCA 2 Manu-J, ASHRAE handbooks, or other equivalent design software or met b. Duct systems are sized according to ANSI/ACCA 1 Manual D 2009. ASHRAE

TABLE REGISTION REPORTED THE PROPERTY OF SUITONS EXPENSES AND TYPE SECOND AND LOCATION OF SUITONS EXPENSES AND LOCATION OF SUITONS AND LOCATION OF SUI

handbooks, or other equivalent design software or methods Select heating and cooling equipment according to ACCA 36-S Manual S or **FASTENER SCHEDULE FOR STRUCTURAL MEMBERS**

1	Blocking between adding joints or rathers to top	plus	8.8d box (2 ¹ / ₁ "×0.131") or 3-8d correson (2 ¹ / ₂ "×0.131"); or 3-10d box (3"×0.128"); or 3-3"×0.131" resik	Tec n	zil .	
	Celling jobs to top plate		3-10d box (3"×0.118"); or 3-3" or (181") reals 4-8d box (2"/," in 0.118"); or 3-8d correso (2"/," in 0.118"); or 3-10d box (3" v.0.118"); or 3-0" v.0.118" reals 4-10d box (3" v.0.118"); or 4-1" or (1.118"); or 4-1" or (1.118"); or 4-1" or (1.118"); or	Per jobs, too nati		
3	Celling joint not attached to partilled rufter, laps anor partill not [not Scotions RIO2.3.1, RIO2.3.2 and Table RIO2.1.(0)]		3-3" x (0.131" cod/s 4-104 bas (3" x (0.128"); or 3-16d common (3Y," x (0.162"); or	Face n	oil .	
4	RRD2.1.((0)) Colling joint obschool to purelilor ratios (heel joint) Jest Socilosa H802.3.1 and H802.3.2 and Table RRD2.1.((0))		4-5"× 0.151 "mills" Trate R802.5.1(5)	Face rail		
5	R802.5.1(0)] Collection to rather, foco nail or 1 V _c * × 20 ga. ridge strap to nailer.		4-10d bes (3"×0.128"); or 3-10d common (3"×0.148"); or 4-3"×0.131 "mile	Pice will each rafter		
+	Railler or noof truss to place		3-16d box mile (37,1 × 0.135"); or 3-16d common wells (37 × 0.135");			
7 Reed			ar +104 box (7"×0.128"); or +5"×0.131 "mids +104 C5"; "×0.155"; or 3-104 certmen (75,"×0.148"); or +104 box (7"×0.155"); or +3"×0.151 "mids	Tee mil		
	Reof rafters to ridge, railey or hip rafters or roo to minimum 2" ridge beam	Coder	3-16d box 37,"×61.35"); or 2-16d box 37,"×61.135"); or 2-16d common (3","×61.162"); or 3-16d box (3"×61.28"); or 3-3"×0.131" mills	End roll		
			3-3 * x 0.131 * mile Wei Irid common (37, * x 0.162 *)	24" c.c. face sail		
4	ficed to stud (not at braced wall punch)		16d centron (177, " x 0,102 ") 16d box (3" x 0,128"); or 3" x 0,131" mile	16" o.e. face sail 12" o.e. face sail		
	Stad to stud and aboring stude at intersecting well conten- te braced wall panels?		3"x 0.331" sails 16d common (37," x 0.162")	15" o.e. face sail 16" o.e. face sail 16" o.e. cach edge face rea		
10	Built-up header (2" to 2" houser with ½" space)		16d corning (37," x 0.162") 16d tox (37," x 0.135")	15" e.c. cach edge face rai 12" e.c. each edge face rai		
11	Continuous header to stud		3" × 0.131" rails 100 bm C71," x 0.135"; cr 2" x 0.131" rails 166 ceremon (3%; × 0.02") 96 ceremon (3%; × 0.02") 196 bm C71; × 0.135"; 5-64 bm C71; × 0.135"; cr 6-80 ceremon C21; × 0.131"; cr 4-100 bm C71 × 0.135"; cr 4-100 bm C71 × 0.135";	Toe mil		
12	p plase to top plase		Hid recurren (3V ₁ × 0.062*) Hid her, 0* x 0.128*; tr 3* x 0.131* salts 8-16d courses (3V ₁ × 0.162*); or 12-16d hox, (3* x 0.128*); or 12-16d hox, (3* x 0.128*); or 12-3* x 0.121* salts	16" e.e. feer sail 12" e.e. feer sail		
-	Double top plate splice for SDCs A-D ₂ with self- braced wall line specing < 25°	inte	8-16d contrain (37," × 0.162"); or 12-16d box (31," × 0.135"); or 12-10d box (3" × 0.128"); or	Face rail on each si	Face mail on each side of and	
	Double top plate up lice SDCs D _p , D _p , or D _p and wall line specing 2 25'		12-3"×0.131" sels 12-160 (3/2"×0.135")	Face mail on each side of end; (minkmans 24" km spilce king each side of end joint)		
TEN	DESCRIPTION OF BUILDING ELEMENTS	OWNERSTON OF BUILDING IN SUMPLYS		SPACING AND LOCATIO 15" O.C. FIXE EAST		
14	Bottom plate to joint, rise joint, band joint or blocking (not at braced wall panels)	NAMBER AND TIPE OF PASTEMENT** 16cl common (3')," × 0.102") 16cl box (3')," × 9.135"); or 3" × (1/31" mile		12 'c.e. t	face nail	
15	Hottom place to joint, rim John, band Joint or blocking (at braced wall purel)			5 csch 16° c 2 csch 16° c 4 csch 16° c	or, face and	
-	Caroning (Il reason Valipanes)	4-84 box 3-1 fel bo 4-84 cox	131" nalls (27," × 0.113"); or 1x (37," × 0.135"); or 1mm (27," × 0.131"); or	4 cuch 16° c		
16	Top or bottom plans to said 4		(x(3)* x 0.128%; or 1111* nails (x(3); * x 0.135%; or marces (3); * x 0.162%; or (x(3)* x 0.128%; or	End neil		
17	Top plates, laps at concess and intersections	3-19d box (3"× 0.128"); or 3-19d box (3"× 0.128"); or 3-19d common (3%," × 0.162"); or 3-15d common (3%," × 0.162"); or		Fire rail		
18	1" bases to such stud and plato	3-86 how (27,"×6.115"); or 2-86 common (25,"×6.131"); or 3-10d box (3*, 0.128"); or 3-mails (3*, 0.128"); or		Pine mill		
19	1"×6" showbing to each bearing	o mapso 17 _c " 3-84 box (2 ¹ 7 _c "× 6.113"); or 2-84 consects (2 ¹ 7 _c "× 6.131"); or 2-104 box (3 ¹ × 6.128"); or 2-104 box (3 ¹ × 6.128"); or		Fixe mill		
20	1"×8" and wider shouthing to worth bearing	1.50 1.50		Place mail		
21	Joint to will, top plate or girder	4-8d box 3-8d con 3-10d bo	(17, 18, 17, 19ag Floor (17), 18, 1157; er seen (17, 18, 137); et st (17, 18, 137); et st (17, 18, 137); et 27, 18, 1137;	Toe	ned	
72	Rim joist, herst joist or blocking to all or top plate (not applications also)	3-3 'x 0.31' path 8d bes (25,' x 0.13') 8d common (35,' x 0.31'); or 100 bes (37'x 0.320'); or		4" o.e. toe neil		
23	1"×6" subflowr or less to couch joist	80 bes (17), "40.115") 80 occurses (5)," to (.131"); ec 10d box (3" × 0.128"); ec 5" to (.131" sails 5-sib box (5)," to (.115"); ec 2-6d occursors (2)," to (.131"); ec 5-100 box (2" × 0.128"); ec 2-619 sails, 1" crosses, 16 gs., 17 ₄ " long		Parenal		
ITEM	DESCRIPTION OF BUILDING ELEMENTS	2 (E198N	I Terrown, 16 gp., 17, 18eg		LOCATION	
24	2" subfloor to John or glinder	3-16d bu	Peor x (3½," x 0.135"); or	Blind and face sull		
25	2" plants (plank & beam floor & roof)	2-16d common (3V ₁ "×0.162") 3-16d box (3V ₁ "×0.133"), or 2-16d common (3V ₁ "×0.142")		At each bearing, face noi		
25	Bland or rim joint to joint	2 datyses, 1 crowses, 16 jps. 17; 14mg MARBIERA AND PYCO OF ADSTRUCT Sheet S-16d Contents 117; 74, 2013/17; ar S-16d Contents 117; ar S-16d Contents		Bed riell		
-				Nell each layer as fellows: 32 at log and bottom and standard		
27	Built-up girden and beams, 2-inch tember layers	10d base 3" × 0.13 Arek	(3" × 0.128"); ce 11" cells	Nell each layer as fellows: 32' at log and bottom and staggers 24" c.e. face sail at top and be singgered on apposite sides		
		2-204 co 3-104 bo 3-3" n 0. 4-164 bo	mmon (4" x 0.192"); or x (3" x 0.128"); or 131 " mile x (3"," x 0.135"); or	Pace mill at ends and at each s		
28	Ledger strip supporting joists or rafters	Anth Commun (4" v 0.192"); or 2.100 commun (4" v 0.192"); or 3.100 km; (3" v 0.192"); or 3.20 km; (3" v 0.13"); or 3.20 km; (3" v 0.13"); or 4.60 km; (3" v 0.13"); or 4.51 km; (3" v 0.128"); or 4.51 km; (3" v 0.128")		At each joist or rafter, isco o		
TEN.	Dridging to just DESCRIPTION OF BUILDING BLESSEMEN		NUMBER AND	Each cout, SPACING OF F	ASTENEAS PROTOS	
			TYPE OF FASTERBECA.	Diges (heres)* rell shorthing to brank	PRETTION Suppor (inche	
32	Wood structural panels, subfloor, roof and (see Table Med.2.00) for 1	6d coma	und panel satisfier wall shouthing to wall b $\cos (2^+ \times 0.113^+) \sinil (subfloot, wall)^+$	merning)	12	
31	*1 ₀ '-1'	M cons	on (2½" x 0.131") rad (#xof) on rad (2½" x 0.131")	6	12	
32	$1 \tilde{\chi}^{k}_{\alpha}-1 \tilde{\chi}^{k}_{\alpha}$	104 com 84 (21/5" Other	TITED OF PARTICIPATION	6	12	
		1½," galvarited reofing sall, ½," head diameter, or 1" excess staple 16 gs., 1½," long		3	.6	
33	Y _i " atwented cellulosic fiberboard shoulding		1½" galvarined reofing sail, ½," brad districtor, or 1" arows stagle 16 gs., 1½" long		6	
34	Y," structural cellulosic fiberboard shoulding "Y ₀ " structural cellulosic fiberboard shoulding	fly," gal- dioretos	or 1" answa staple 16 gs., 17," long			
0.0	7;" gypoum shoutling"	IV, gab disretor. IV, gab IV, long	or I "entwe stayle 16 gs., IV," long orfised roofing sail; stayle galvarized; g; IV, 'acases, Type W or S ornized roofing sail; stayle galvarized,	7	7	
34 35 36	7," gypoun shoulding" 7," gypoun shoulding" Wood structurely	1V, gal- dioreto. 1V, gal- 1V, long 1V, say 1V, say seets, const	or 1" conven steple 16 ga., 19," long varietied roofing mall; staple galvarited, g. 19," scores, Type W or S varietied roofing mal; staple galvarited, g. 19," scores, Type W or B bloofine auditor wateriey rest to benefing and (2" x 0.1 20") web- or and (2" x 0.1 20") web-	7	1	
34 35 36 37	\mathcal{V}_{1}^{*} gypoun shouthing * \mathcal{V}_{2}^{*} gypoun shouthing * $\mathbf{Mood at votavely}$ \mathcal{V}_{4}^{*} and less	1V, gal- dioresto: 1V, gal- 1V, tong 1V, tong 1V, tong 1V, tong easts, comb 6d defer 8d comm 8d comm	, or 1" convent steple 16 gs., 17," long ownfeed roofing nail; staple galverited, g; 17," scenes; Type W or 5 contract roofing unit; staple galverited, g; 17," scenes; Type W or 5 liverites auditor underlayered to bending mod C2" x CLI 30"7 rook or soc (127," x CLI 30"7 rook or por 127," x CLI 31"7 rook or por 127, x CLI 31"7 rook or por	7 7	1 12	
34 35 36	7," gypoun shoulding" 7," gypoun shoulding" Wood structurely	1V _s * gal- diameter. 1V _s * gal- 1V _s * long 1V _s * long 1V _s * long sents, come 6d defen 8d come 8d come 8d ciefon 8d ciefon 8d ciefon 8d ciefon	result (3" Ad 48") million (2011) "olderman lines (2011)" olderman l	7 7 0 6	1	

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THESE ARE MINIMUM REQUIREMENTS AN

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