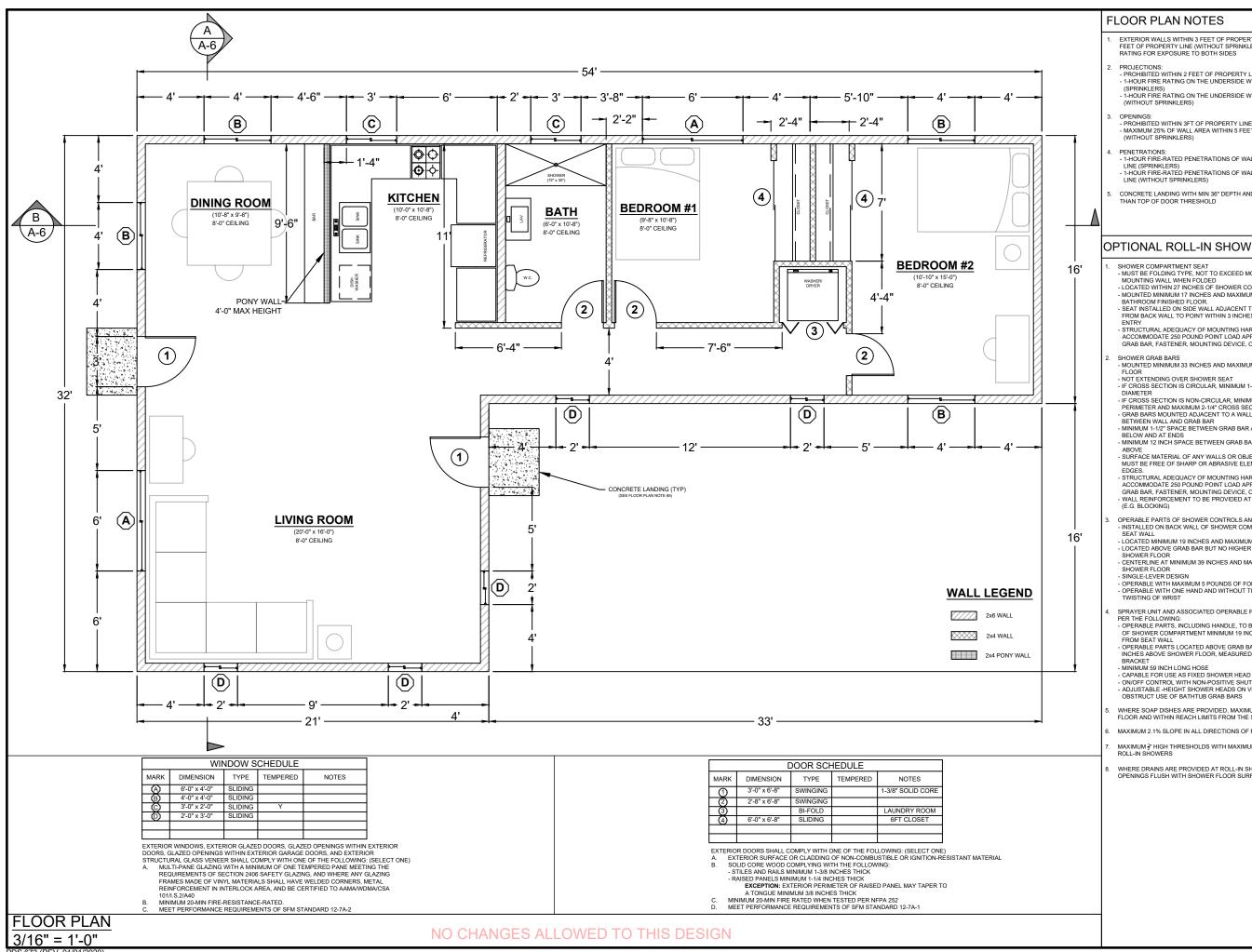
SHEET INDEX BMP LEGEND By using these standard plans, the user agrees to release the County of Tulare from any and all claims, BROW DITCH  $\Longrightarrow$ ISHEET NAME liabilities, suits, and demands on account of any PDS 659 BERM  $\longrightarrow$  B  $\longrightarrow$ injury, damage, or loss to persons 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 WM-4 SPILL PREVENTION AND CONTROL user's responsibility to verify any and all information. A4 ELEVATIONS - RIGHT & LEFT WM-8 CONCRETE WASTE MANAGEMENT A5 ROOF PLAN / TRUSS LAYOUT SOLID WASTE MANAGEMENT A6 SECTIONS SANITARY WASTE MANAGEMENT S1 FOUNDATION PLAN WM-6 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~ HIS PROJECT SHALL COMPLY WITH THE FOLLOWING BUILDING SS-7 PHYSICAL STABILIZATION (WINTER) ~ EBM~EBM~ ODES AND ASSOCIATED COUNTY OF TULARE AMENDMENTS: ENERGY DISSIPATOR SS-10 -2022 CALIFORNIA RESIDENTIAL CODE -2022 CALIFORNIA BUILDING CODE SC-1 SILT FENCE -2022 CALIFORNIA GREEN BUILDING STANDARDS CODE -2022 CALIFORNIA ELECTRICAL CODE SC-2 SEDIMENT / DESILTING BASIN -2022 CALIFORNIA MECHANICAL CODE -2022 CALIFORNIA PLUMBING CODE SC-5 -2022 CALIFORNIA FIRE CODE
-2022 CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS SC-6 / SC-8 GRAVEL OR SAND BAGS COCO STREET SWEEPING AND VACUUMING SC-10 STORM DRAIN INLET PROTECTION DESIGN BASIS NS-2 DEWATERING FILTRATION — DW DW DW ONVENTIONAL LIGHT FRAME CONSTRUCTION STABILIZED CONSTRUCTION ENTRANCE TC-1 OOF LIVE LOAD: 20 PSF ILTIMATE WIND SPEED: 110 MPH EXPOSURE CATEGORY: C CONSTRUCTION ROAD STABILIZATION TC-2 SITE CLASS: D TC-3 ENTRANCE / EXIT TIRE WASH RISK CATEGORY: II S<sub>98</sub>: 1.25 SEISMIC DESIGN CATEGORY: D<sub>2</sub> ALLOW SOIL VERTICAL BEARING PRESSURE: 1500 PSF ALLOW SOIL LATERAL BEARING PRESSURE: 100 PSF/FT POST-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 4.3.4 MINIMIZE SOIL COMPACTION SPECIFY AS INDICATED IN CF1R FORM (TITLE 24): 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 B INTERIOR FLOOR DRAINS & ELEVATOR SHAFT SUMPS 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 J OUTDOOR STORAGE OF EQUIP. OR MATERIALS ROPERLY COMPLETED AND SIGNED CERTIFICATES OF "HOUP-ELLY COMPLETED AND SIGNED CERTIFICATES OF NSTALLATION (CF2R FORMS) SHALL BE PROVIDED TO THE NSPECTOR IN THE FIELD. FOR PROJECTS REQUIRING HERS YERIFICATION, THE CF2R FORMS SHALL BE REGISTERED WITH A "ALI-FORNIA-APPROVED HERS PROVIDER DATA REGISTRY." CF2R "ORMS ARE AVAILABLE AT THIS!//WWW.ADD. (CALOR) CONTROL OF CBEES 10-103) K VEHICLE AND EQUIPMENT CLEANING L VEHICLE/EQUIPEMENT REPAIR AND MAINTENANCE M FUEL DISPENSING AREAS N LOADING DOCKS O FIRE SPRINKLER TEST WATER ROPERLY COMPLETED CERTIFICATES OF VERIFICATION (CF3R ORMS) SHALL BE PROVIDED TO THE INSPECTOR IN THE FIELD FC FEMS REQUIRING HERS VERIFICATION. CF3R FORMS SHALL BE EGISTERED WITH A CALIFORNIA-APPROVED HERS PROVIDER ATA REGISTRY." CF3R FORMS ARE AVAILABLE AT P MISCELLANEOUS DRAIN OR WASH WATER Q PLAZAS, SIDEWALKS, DRIVEWAYS, AND PARKING LOTS ttps://www.energy.ca.gov CBEES 10-103) VICINITY MAP OWNER INFORMATION CONTACT INFORMATION PARCEL INFORMATION PERVIOUS AREA INFORMATION PROJECT SCOPE IMPERVIOUS AREA INFORMATION SHEET TITLE NAME NAME: PROPOSED 1200 SF DETACHED ACCESSORY DWELLING UN PERVIOUS SURFACE AREA TABLE IMPERVIOUS SURFACE AREA TABLE SITE PLAN EXISTING AREA (sf) ADDRESS ADDRESS: SITE ADDRESS: PERVIOUS ITEM DIMENSIONS AREA (sf) NOTES IMPERVIOUS ITEM DIMENSIONS REPLACED AREA PROPERTY CONNECTED TO THE ELECTRICAL GRID ( Y or N) ADU + OVERHANG PER PLAN 1538 SF SHEET NUMBER SFD PHONE: PHONE PROPERTY SERVICED BY PROPANE ( Y or N ) IF YES, SHOW TANK ON PLOT PLAN DRIVEWAY SP-1 PROPERTY SERVICED BY NATURAL GAS ( Y or N ) PERVIOUS ELEMENT MANUFACTURER: \_\_\_\_PERVIOUS ELEMENT SLOPE AND DIRECTION OF SLOPE: \_ **EMAIL** EMAIL: MAINTENANCE PROGRAM: \_\_\_\_\_ PERVIOUS ELEMENT CROSS SECTION LOCATED IN SHEET: \_ ENTIRE LOT IS FUEL MODIFIED (Y or N ) IF NO, DIMENSION 100' FUEL MODIFICATION LAND DISTURBANCE: CONSTRUCTED PERVIOUS SURFACES SHALL NOT BE SEALED



## 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
- (SPRINKLERS) 1-HOUR FIRE RATING ON THE UNDERSIDE WITHIN 5FT 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 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 FOLDS OF SHOWER CONTROLS
   MOUNTED MINIMUM 17 INCHES OF 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
- 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
  - NOT EXTENDING OVER SHOWER SEAT
- IF CROSS SECTION IS CIRCULAR, MINIMUM 1-1/4" AND MAXIMUM 2" OUTSIDE DIAMETER
- 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 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
- 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
- CENTERLINE AT MINIMUM 39 INCHES AND MAXIMUM 41 INCHES 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
- 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
- BRACAEL :
   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
- $\mbox{MAXIMUM}\,\frac{1}{2}"\mbox{HIGH THRESHOLDS}$  WITH MAXIMUM 50% BEVELED SLOPE AT ROLL-IN SHOWERS
- WHERE DRAINS ARE PROVIDED AT ROLL-IN SHOWERS, MAXIMUM  $\mbox{\colorebox{$\frac{1}{2}$}}{}^*$  GRATE OPENINGS FLUSH WITH SHOWER FLOOR SURFACE



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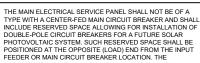
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- LOCAL EXHAUST FANS TO EXTERIOR TO PROVIDE MINIMUM 50 CFM
- SMOKE DETECTORS TO BE INTERCONNECTED PER CRC R314.4 AND HARD-WIRED WITH BATTERY BACK-UP PER CRC R314.6
- CARBON MONOXIDE ALARMS TO BE INTERCONNECTED PER CRC R315.7 AND HARD-WIRED WITH BATTERY BACK-UP PER CRC R315.5
- $4^{\rm w}$  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
- AN INTERMITTENTLY OR CONTINUOUSLY OPERATING LOCAL MECHANICAL EXHAUST VENTILATION SYSTEM SHALL BE INSTALLED IN EACH BATHROOM WITH A BATHTUB, SHOWER, OR SIMILAR IN EACH BATHROUGH WITH A BATHINDS, SHOWEN, UR SIMILAR MOISTURE SOURCE AND IN EACH KITCHEN IN COMPLIANCE WITH ASHRAE STANDARD 62.2 AS ADOPTED 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 HALL BE 2 HOUR IN KITCHENS BASED ON KITCHEN VOLUME.
- WATER HEATER OR FURNACE SHALL BE A DIRECT-VENT APPLIANCE
- 3. LISTED GASKETED SELF CLOSING DOOR REQUIRED FOR GAS FAU

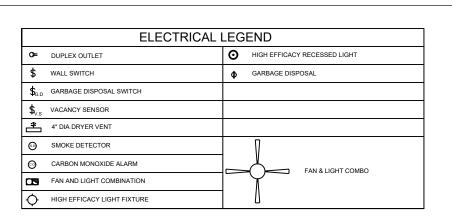
## LIGHTING PLAN NOTES

- 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 SHALL BE MARKED "JAB-2016-E" AND LISTED 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 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 150.0(K)3AIIIC

## SOLAR READY KEY NOTES



- 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 RACEWAY IN THE ATTIC SHALL BE PERMANENTLY AND VISIBLY MARKED AS "FOR FUTURE SOLAR PHOTOVOLTAIC"



P ELECTRICAL PANEL 1

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(S.D)

(S.D) (C.O)

(S.D)

**WALL LEGEND** 

2x6 WALL

2x4 WALL

2x4 PONY WALL

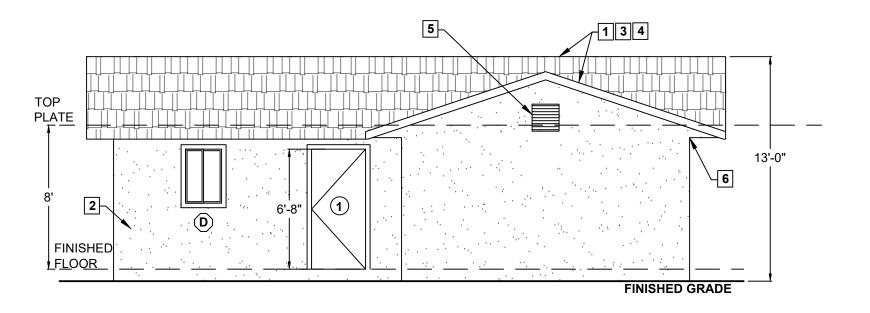
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**ELECTRICAL PLAN** 

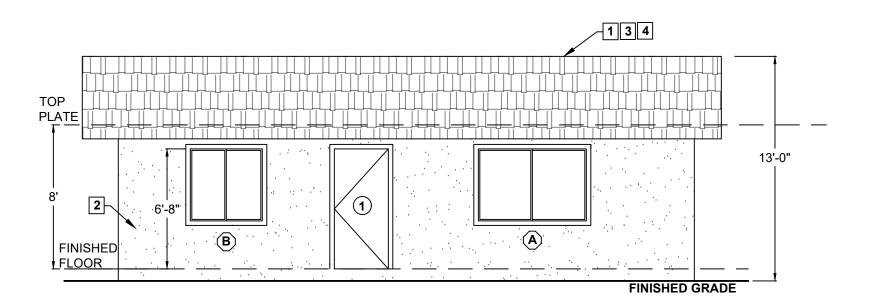
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user agrees to release the County of Tulare from any ands on account of any injury, damage, or loss to pera, or economic losses, arising out of the use of these fthese plans does not eliminate or reduce the user's





# **FRONT**



# **BACK**

**ELEVATIONS** 3/16" = 1'-0"

# **ELEVATION KEY NOTES**

- ROOF: CLASS 'A' FIRE RATING -ROOF MATERIAL: UNDERLAYMENT: LISTING REPORT #:
- EXTERIOR WALL FINISH: (SEE NOTE 7 BELOW)
- ROOF PITCH: 4:12
- RADIANT BARRIER IS REQUIRED
- GABLE VENT (SEE NOTE 5 & 6 BELOW) MANUFACTURER:\_ MODEL:\_\_\_\_
- EAVE VENT (SEE NOTE 5 & 6 BELOW) MANUFACTURER:

# MODEL:

## WILDFIRE ZONE PLAN NOTES

- IN ROOF COVERINGS WHERE THE PROFILE CREATES SPACE BETWEEN 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
- a. FIRE-STOPPING WITH APPROVED MIXTERIALS

  NO. 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
- VENTILATION OPENINGS FOR ENCLOSED ATTICS, EAVE SOFFIT SPACES, 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 EXTERIOR DOORS SHALL BE LISTED TO ASTM E 2886 AND COMPLY WITH ALL OF THE FOLLOWING. ALL OF THE FOLLOWING:

- 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
  - COVERING SHALL BE 7/8-INCH THICK - NONCOMBUSTIBLE OR FIRE-RETARDANT-TREATED WOOD SHAKE I NONCOMBUST INEED OF PINE-PER PROVINTINEAL BUT 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-COMBUSTBLE MATERIAL

   1-HOUR FIRE-RESISTANT-RATED MATERIAL

  - 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: a. FRAMING

  - PRAMING
    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
    POSTS)
    DECKING AND TREAS MATERIAL
    DECKING AND TREAS MATERIAL

  - DECKING AND TREAD MATERIAL (ANY OF THE FOLLOWING):
     NON-COMBUSTIBLE MATERIAL
     1-HOUR FIRE-RESISTANT-RATED MATERIAL - APPROVED EXTERIOR FIRE-RETARDANT TREATED WOOD - APPROVED ALTERNATIVE 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

- FOLLOWING MEI HOUS

  a. WEATHER-STRIPPING PRODUCTS WITH TENSILE STRENGTH AND
  FLAMMABILITY RATING PER CBC 708A.4

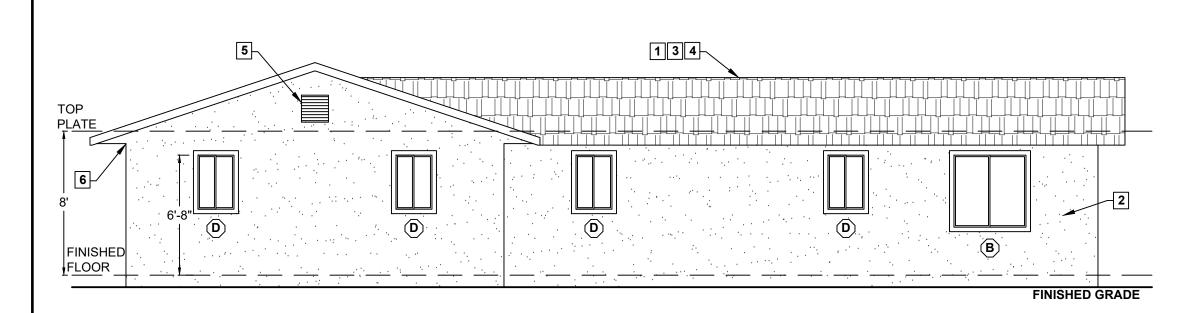
  b. DOOR OVERLAPS ONTO JAMBS AND HEADERS

  c. GARAGE DOOR JAMBS AND HEADERS COVERED WITH METAL FLASHING
- PAPER-FACED INSULATION PROHIBITED IN ATTICS OR OTHER VENTILATED
- FENCES OR ANY STRUCTURE WITHIN 5 FEET OF BUILDING SHALL BE CONSTRUCTED PER ONE OF THE FOLLOWING:
- a. NON-COMBUSTIBLE MATERIAL
- b. APPROVED EXTERIOR FIRE-RETARDANT TREATED WOOD
- c. MATERIAL MEETING SAME FIRE-RESISTIVE STANDARDS AS EXTERIOR WALLS OF BUILDINGS

user agrees to release the County of Tulare from any ands on account of any injury, damage, or loss to pers , or economic losses, arising out of the use of these flhese plans does not eliminate or reduce the user's By usinal clain or propertical constructors responsi

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# **RIGHT**



# **LEFT**

**ELEVATIONS** 3/16" = 1'-0"

NO CHANGES ALLOWED TO THIS DESIGN

**ELEVATION KEY NOTES** 

SEE SHEET A3 FOR KEY NOTES

## WILDFIRE ZONE PLAN NOTES

- IN ROOF COVERINGS WHERE THE PROFILE CREATES SPACE BETWEEN THE ROOF COVERING AND COMBUSTIBLE ROOF DECKING, SPECIFY ONE OF THE
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  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
- VENTILATION OPENINGS FOR ENCLOSED ATTICS, EAVE SOFFIT SPACES, 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 EXTERIOR DOORS SHALL BE LISTED TO ASTM E 2886 AND COMPLY WITH ALL OF THE FOLLOWING:
- 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
- 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
  - COVERING SHALL BE 7/8-INCH THICK - NONCOMBUSTIBLE OR FIRE-RETARDANT-TREATED WOOD SHAKE I NONCOMBUS I INCELE OF FIRE-READANT I TRAFIELD WOUD SHARE 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-COMBUSTBLE MATERIAL

   1-HOUR FIRE-RESISTANT-RATED MATERIAL

  - 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: a. FRAMING
- PRAMING
  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
  POSTS)
  DECKING AND TREAS MATERIAL
  POSTS)
- DECKING AND TREAD MATERIAL (ANY OF THE FOLLOWING):
   NON-COMBUSTIBLE MATERIAL
   1-HOUR FIRE-RESISTANT-RATED MATERIAL - APPROVED EXTERIOR FIRE-RETARDANT TREATED WOOD - APPROVED ALTERNATIVE 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
- FOLLOWING MIS INDUS

  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
- FENCES OR ANY STRUCTURE WITHIN 5 FEET OF BUILDING SHALL BE CONSTRUCTED PER ONE OF THE FOLLOWING:
- a. NON-COMBUSTIBLE MATERIAL
- b. APPROVED EXTERIOR FIRE-RETARDANT TREATED WOOD c. MATERIAL MEETING SAME FIRE-RESISTIVE STANDARDS AS EXTERIOR WALLS OF BUILDINGS

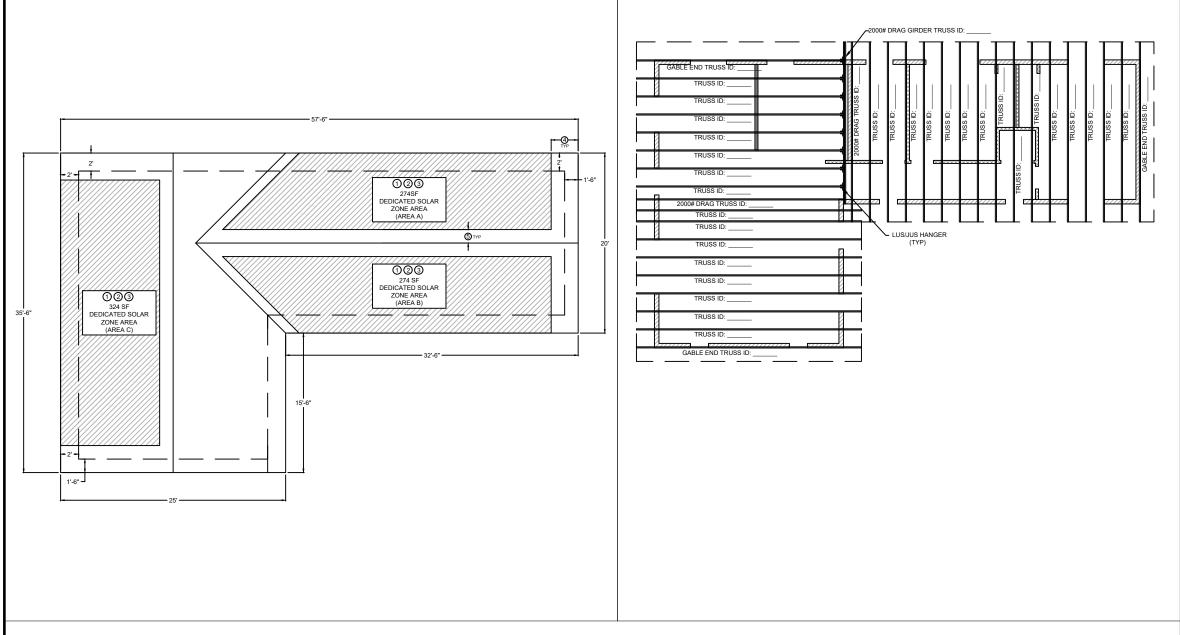
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**DWELLING** Development SSORY Economic 1200 (L) SF ACCE BUILDING DIVISION of Tulare, ounty ŭ

user agrees to release the County of Tulare from any ands on account of any injury, damage, or loss to pers , or economic losses, arising out of the use of these flhese plans does not eliminate or reduce the user's

By using all claim or proper constructors

LNO



SOLAR READY KEY NOTES (

- 1. MIN 250 S.F. SOLAR ZONE AREA
- 2. DEDICATED SOLAR ZONE AREA LOCATED BETWEEN 110 AND 270 DEGREES OF TRUE NORTH USE AREA A OR B AS NEEDED.
- 3. 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

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

# ATTIC VENTILATION REQUIRED

NET FREE CROSS VENTILATION AREA =  $\frac{1}{300}$ VENT AREA REQ'D = 1200 ft<sup>2</sup> / 300 = 4 ft<sup>2</sup> x 144 = 576 in<sup>2</sup>

GABLE END VENTS NFVA = 97 in<sup>2</sup> QTY =  $\frac{3 \text{ VENTS}}{2 \text{ VENT AREA PROVIDED}} = 3 \times 97 \text{ in}^2 = 291 \text{ in}^2$ 

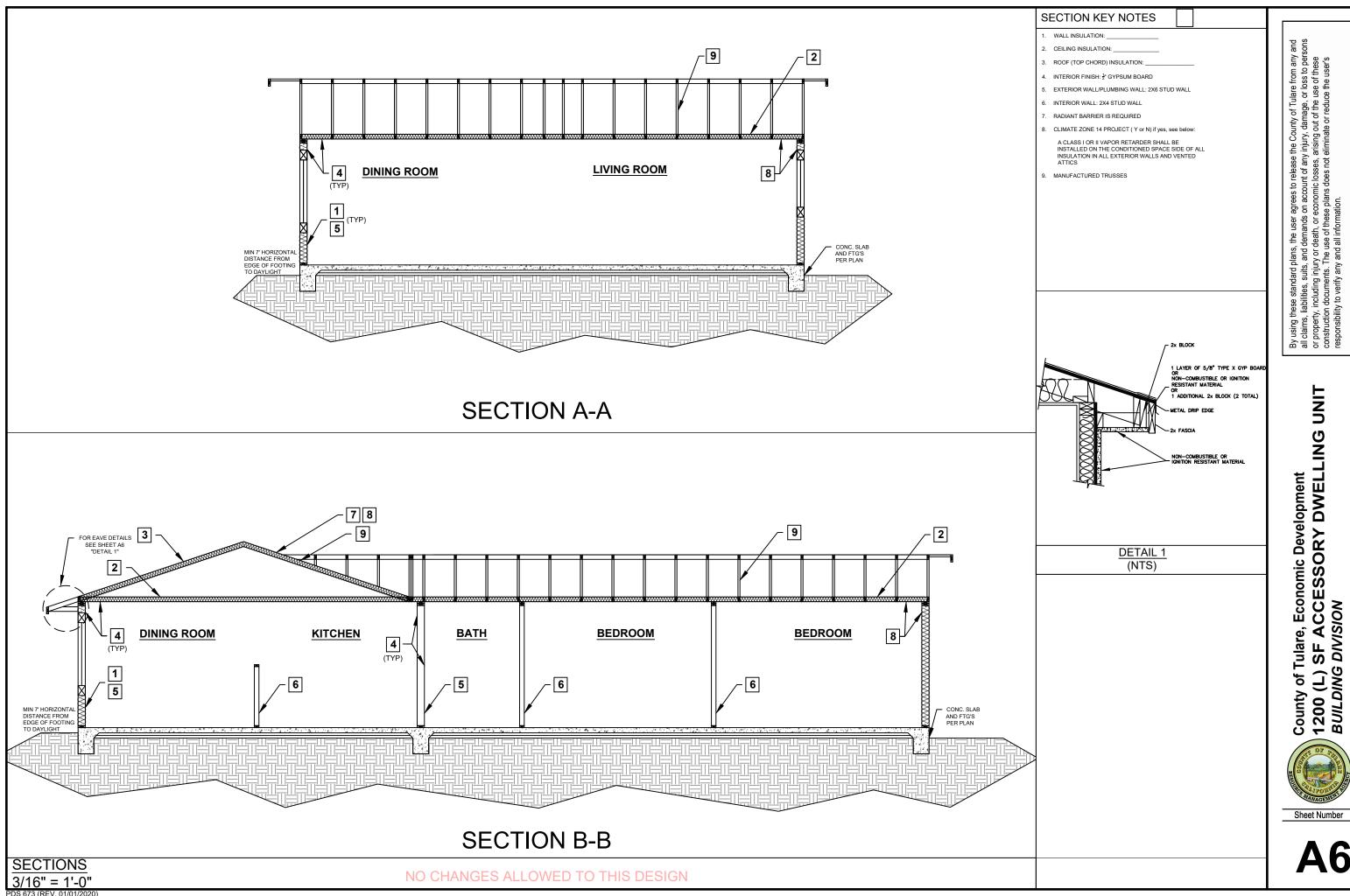
 $\frac{\text{TOTAL VENT AREA PROVIDED}}{(291 \text{ in}^2) + (288 \text{ in}^2) = 579 \text{ in}^2} > 576 \text{ in}^2$ 

ROOF PLAN / TRUSS LAYOUT

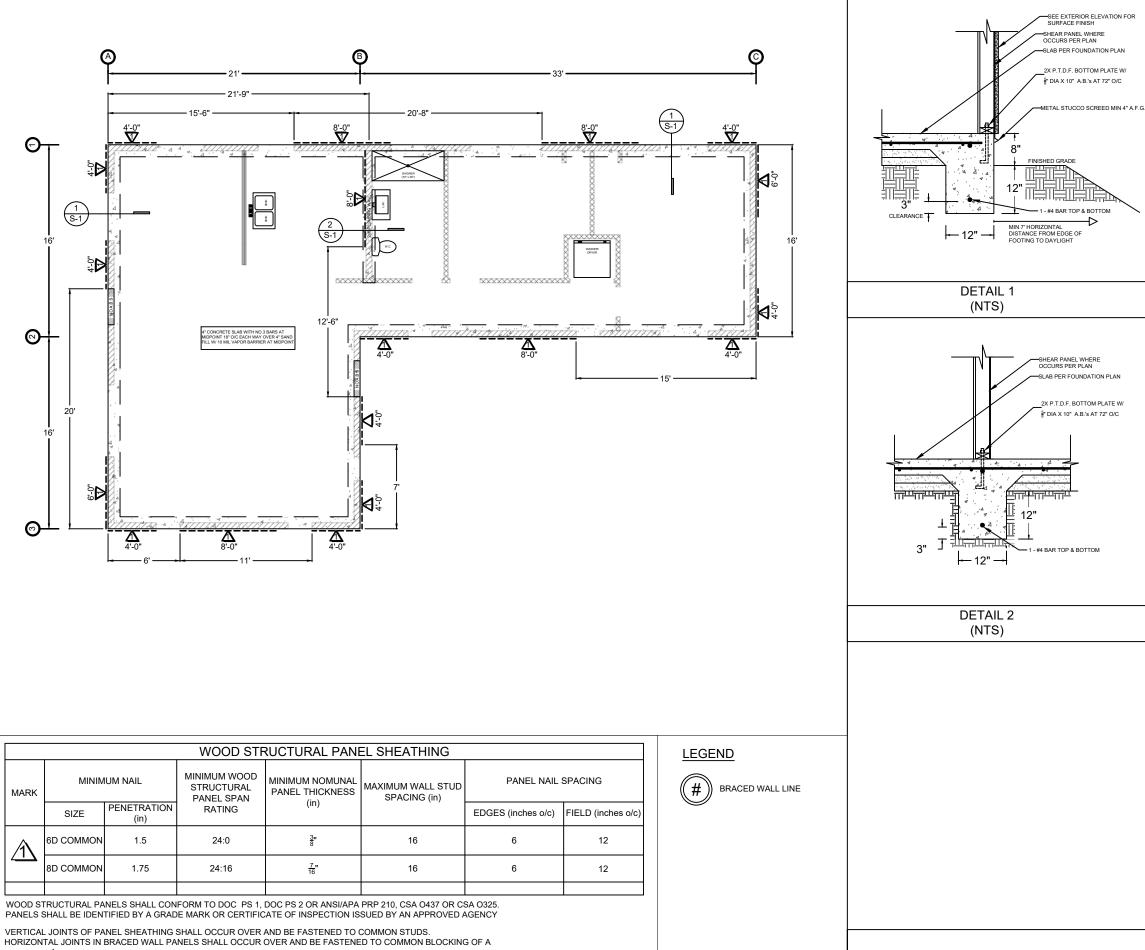
3/32" = 1'-0"

NO CHANGES ALLOWED TO THIS DESIGN





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## FOUNDATION PLAN NOTES

- ALL ANCHORS BOLTS SHALL BE TO 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
- 4. 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
- 6. 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 STRUCTURE

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County of Tulare, Economic Development
1200 (L) SF ACCESSORY DWELLING UNIT
BUILDING DIVISION

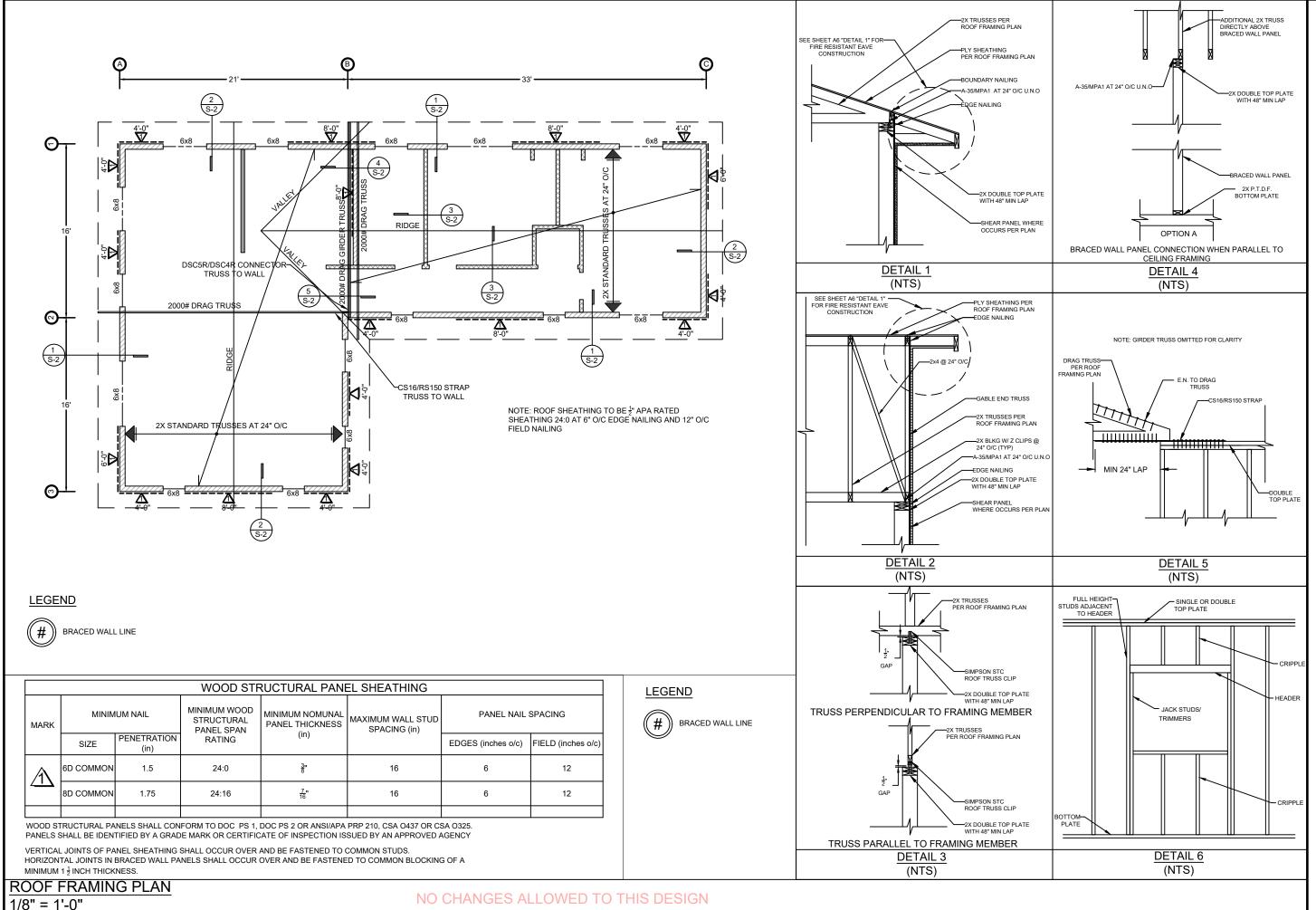
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MINIMUM 1½ INCH THICKNESS.

FOUNDATION PLAN



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

County of Tulare, Economic Development 1200 (L) SF ACCESSORY DWELLING UNIT BUILDING DIVISION

**S**2

#### Electrical Plumbing and Mechanical

- 1. Exterior lighting. All projects shall comply with the County of Tulare lighting ordinance
- 2. GFCI outlets. Ground Fault Circuit Interrupter (GFCI) outlets are required in bathrooms, at kitchen countertops, at laundry and wet bar sinks, in garages, in crawlspaces, in unfinished basements, and outdoors. (CEC 210.8)
- AFCI outlets. Electrical circuits in bedrooms, living rooms, dining rooms, dens, closets hallways, or similar rooms must be protected by Arc Fault Circuit Interrupters (AFCI).
- Luminaire requirements. Installe requirements of CBEES 150.0(k).
- 15. 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, craw access or the proposal (JORG 2314.2). snace or hasement (CRC R314.3)
- Carbon monoxide detectors in building remodels. Carbon monoxide detectors are equired outside each separate sleeping area in the immediate vicinity of sleeping roon and on each story of a dwelling including basements. Battery-operated detectors are table in existing areas with no construction taking place and in alterations ilting in removal of interior wall or ceiling finishes and without access via an attic, craw 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 bolts attached directly to framing. Straps 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
- Impact protection of appliances. Water heaters and heating/cooling equipmen to vehicular impact shall be protected by bollards or an equivalent measure. (CP 507.13.1 and CMC 305.11)
- Water closet clearance. Minimum 30-inch-wide by 24-inch-deep clearance required at front of water closets. (CPC 402.5)
- 11. Shower size. Shower compartments shall have minimum area of 1024 square inches and be able to encompass a 30-inch-diameter circle. Shower doors shall have a minimum 22 inobstructed width. (CPC 408.5 and CPC 408.6)
- 12. Fireplace appliances. Fireplaces with gas appliances are required to have the flue mently fixed in the open position and fireplaces with LPG appliances are to have no 'pit' or 'sump' configurations. (CMC 303.7.1)
- 13. 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)

#### 14. Mechanical Ventilation and Indoor Air Quality (ASHRAE 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, uncondit crawlspaces, or unconditioned attics. (CBEES 150.0(o))
- structions and labeling. Ventilation system controls shall be labeled and the home ner shall be provided with instructions on how to operate the system. (CBEES 150.0(
- Combustion and solid-fuel burning appliances. Combustion appliances shall be roperly vented and air systems shall be designed to prevent back drafting. (CBEES
- 1. Garages. The wall and openings between occupiable spaces and the garage shall be sealed. HVAC 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 (CBEES 150.0(o))
- 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 ter of airflow and sound. (CBEES 150.0(o))
- a. All continuously operating fans shall be rated at a maximum of 1.0 sone.
- b. Intermittently operated whole-building ventilation fans shall be rated at a maximum of
- 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 minimum two longitudinal No. 4 bars, one at the top and one at the bottom of the footing.
- **Shear wall foundation support.** Shear walls shall be supported by continuous foundations. (CRC 403.1.2)
- 3. 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 mum 6 inches shall be placed between a concrete slab-on-grade and the base course or subgrade. (CRC 506.2.3)
- Anchor bolts and sills. Foundation plates or sills shall be bolted or anchored to the foundation or foundation wall per the following (CRC R403.1.6 and CRC R602.11.1):
- a. Minimum 1/2-inch-diameter steel bolts
- Bolts embedded at least 7 inches into concrete or mason.
- c. Bolts spaced maximum 6 feet on center 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): a. All wood in contact with ground, embedded in concrete in direct contact with ground, or
- b. Wood joists within 18 inches and wood girders within 12 inches of the exposed ground
- in crawl spaces shall be of naturally durable or preservative-treated woo
- 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 preservatived. Wood framing, sheathing, and siding on the exterior of the building and having
- the less than 6 inches from the exposed ground or less than 2 inches verticerete steps, porch slabs, patio slabs, and similar horizontal surface expo
- e. Sills and sleepers on concrete or masonry slab in direct contact with ground unless separated from such slab by impervious moisture barrie

#### D. Foundation and Underfloor (Continued)

- Ends of wood girders entering inch on tops, sides, and ends
- Wood structural members supporting moisture-permeable floors or roofs exposed t weather, such as concrete or masonry slabs, unless separated from such floors or roofs by an impervious moisture barrier
- 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
- 24-inch access opening. (CRC R408.4)

- 1. Fastener requirements. The number, size, and spacing of fasteners connecting woo nents 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)
- 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 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
- 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 partitions may be notched to a depth not to exceed 40% of a single stud width. Any stud may be bored 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% linch 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 o bearing partitions drilled over 40% and up to 60% shall also be doubled with no more than two successive studs bored. (CRC R602.6)
- Top plate. Wood stud walls shall be capped with a double top plate installed to provide ing 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 num 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 exterior wall or interior load-bearing wall, necessitating cutting, drilling, or notching of the top plate by more than 50% of its width, a galvanized metal tie not less than 0.054-inch thick and 1-1/2-inches wide shall be fastened across and to the plate at each side of the opening with not less than 8 10d nails having a minimum length of 1-1/2 inches at each side or equivalent. The metal tie must exte R602 6 1)
- Cripple walls. Foundation cripple walls shall be framed of studs not less in size than 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 bottom plates in accordance with Table R602.3(1), or the cripple walls shall be constructed of solid blocking. Cripple walls shall be supported on continuous foundations. (CRC R602.9)
- Wall bracing. Buildings shall be braced in accordance with the methods allowed per CRC R602.10.2, CRC R602.10.4, and/or CRC R602.10.5.
- 11. Braced wall line spacing. Spacing between braced wall lines shall not exceed 20 feet or alternate provisions of CRC R602.10.1.3.
- 12. Shear wall cumulative length. The cumulative length of shear walls within each braced ons 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)
- 13. Shear wall spacing. Shear walls shall be located not more than 25 feet on center. (CRC
- 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 considered part of the same braced wall line. (CRC R602.10.1.2)
- Shear wall location. Shear walls shall be located at the ends of each braced wall line or meet 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.
- 18. 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
- 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)
- Framing over openings. Headers, double joists, or trusses of adequate size to transfer loads to vertical members shall be provided over window and door openings in load-bearing walls and partitions. (CBC 2304.3.2)
- I, 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 or 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 entir length of the shear wall. Where joists are parallel to a shear wall above or below, a rin t, end joist, or other parallel framing shall be provided directly above and/or below the shear wall. Where a parallel framing member cannot be located directly above and/o below the shear wall, full-depth blocking at 16-inch spacing shall be provided beto 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 minimum 1-1/2 inches of bearing on wood or metal and minimum 3 inches of bearing or masonry or concrete except where supported on a 1-inch-by-4-inch ribbon strip and nailed 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 wood or metal splice with strength equal to or greater than that provided by the lap is permitted
- supported by approved framing anchors or on ledger strips minimum nominal 2 inches by 2 inches. (CRC R502.6.2)
- Floor joist lateral restraint. Floor joists shall be supported laterally at ends and each intermediate support by minimum 2-inch full-depth blocking, by attachment to full-dep header, band joist, or rim joist, to an adjoining stud, or shall be otherwise provided wit lateral support to prevent rotation. (CRC R502.7)
- 27. Floor joist bridging. Floor joists exceeding nominal 2 inches by 12 inches shall be supported laterally by solid blocking, diagonal bridging (wood or metal), or a continuous 1-inch-by-3-inch strip nailed across the bottom of joists perpendicular to joists at maximum 8-foot intervals. (CRC R502.7.1) 28. 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 to carry a single header joist located within 3 feet of the trimmer joist bearing. When the neader 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 joists over 12 feet long shall be supported at the hear aming anchors or on ledger strips minimum 2 inches by 2 inches. (CRC R502.10

#### E. Wood Framing (Continued)

- . 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 support When a girder is spliced over a support, an adequate tie shall be provided. The ends beams or girders supported on masonry or concrete shall not have less than 3 inches of bearing, (CBC 2308.7)
- Analysis, rips, and varietys. Raters strain be name to a large Coard on Vestar Otter Wint a gusset plate as a tie. Ridge boards shall be minimum 1-inch nominal thickness and not less in depth than the cut end of the ratter. At all valley and hips, there shall be a valley or hip ratter not less than 2-in-ho nominal thickness and not less in depth than the cut end of the ratter. Hip and valley ratters 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 members that support ratters and ceilings joists, such as ridges, hips, and valleys, shall be designed as beams. (CRC R802.3)
- beams. (CRC 1802:3)

  31. Ceilling joist and rafter connections. Ceiling joists and rafters shall be nalled to each other per CRC Table R802.5.1(9), and the rafter shall be nalled to the wall top plate per CRC Table R802.21(1). Ceiling joists shall be continuous or socurely joined per CRC Table R802.5.1(9) where they meet over interior partitions and are nailed to adjacent rafters 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 connected higher in the attic shall be installed as rafter ties, or rafter ties shall be installed to provide a continuous tie. Where ceiling joists are not parallel to rafters, rafter ties shall be installed. Rafter ties shall be mistalled. nstalled. Rafter ties shall be minimum 2 inches by 4 inches nominal, installed pe CRC Table R802.5.1(9), or connections of equivalent capacities shall be provided 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)
- Ceiling joists lapped. Ends of ceiling joists shall be lapped minimum 3 inches or buttee over bearing partitions or beams and toenailed to the bearing element. Where ceiling joists provide resistance to rafter thrust, lapped joists shall be nailed together per CRC Table R602.3(1) and butted joists shall be tied together in a manner to resist such thrus
- 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)
- 34. Purlins. Purlins installed to reduce the span of rafters shall be sized not less than the red 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 m 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)
- 35. 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 or onry or concrete. (CRC R802.6)
- Roof/ceiling 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)
- Roof/celling bridging. Rafters and celling joists with a nominal depth-to-thickness ratic exceeding 6:1 shall be supported laterally by solid blocking, diagonal bridging (wood or metal), or a continuous 1-inch-by-3-inch wood strip nailed across the rafters or ceiling joists at maximum 8-foot intervals. (CRC R802.8.1)
- joists at maximum 8-foot intervals. (CRC R802.8.1)

  Framling of rooffcelling openings. Openings in roof and ceiling 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 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 joists or rafters framing into the header. Approved hangers shall be used for the header-joist-to-irimmer-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 ledger strips minimum 2 inches by 2 inches. (CRC R502.10)
- Roof framing above shear walls. Rafters or roof trusses shall be connected to to ar 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 ridge lines and at points of bearing at exterior walls
- Truss clearance. Minimum 1/2-inch clearance required between top plates of interior non-bearing partitions and bottom chords of trusses.
- 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 n. r than one-third the member depth, and shall not be located in the middle one-thin of the span. Notches at member ends shall not exceed one-fourth the member dept span. Notches at member ends shall not exceed one-rounth the member depth. ensions ided of members 4 inches or greater in nominal thickness shall not be ed except at member ends. The diameter of holes bored or cut into members sh xoxed one-third the member depth. Holes shall not be closer than 2 inches to the r bottom of the member or to any other hole located in the member. Where the ber 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 positively exaction landings, decks, barconies, and sears, social elements shall be postively anchored 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)
- 46. Fireblocking, Fireblocking shall be provided in the following locations (CRC R302.11
- a. In concealed spaces of stud walls and partitions, including furred spaces, and parallel rows of studs or staggered studs, as follows
- Vertically at the ceiling and floor levels
- Horizontally at intervals not exceeding 10 feet
- b. 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
- At openings around vents, pipes, ducts, cables and wires at ceiling and floor level, with an approved material to resist the free passage of flame and products of combustion
- At chimneys and fireplaces per item E.49
- f. 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
- R302.11.1): Two-inch nominal lumbe
- 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
- Batts or blankets of mineral or glass fiber of other approved materials installed in such
- blocking at openings around vents, pipes, ducts, cables, and wires at ceiling if floor level. Such openings shall be fireblocked with an approved material to resis 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 ceilings through which chimneys pass shall be fireblocked with noncombustible material securely fastened in place. The fireblocking of spaces between chimneys and wood joists, beams, or headers shall be self-supporting or be placed on strips of metal or metal lath laid across the spaces between combustible material and the chimney. (CRC
- believe the process of a floor/celling assembly, draftstops shall be installed so that the area of the concelled space of the process of the stalled so that the area of the concelled space into approximately equal areas. Where the assembly is enclosed by the provided in the process of the process of the provided in the provided in a floor relimits assemble under the flooring circumstances (CRC process).
- b. Floor framing is constructed of truss-type open-web or perforated members
- 51. Draftstopping materials. Draftstopping shall not be less than 1/2-inch gypsum board, 3/8-inch wood structural panels, or other approved materials adequately supported Draftstopping shall be installed parallel to the floor framing members unless other oved by the building official. The integrity of draftstops shall be maintained. (CRC R302 12 11
- . Combustible insulation clearance. Combustible insulation shall be separated mi 3 inches from recessed luminaires, fan motors, and other heat-producing devices. (CRC

#### F. General Material Specifications

- 1. Lumber. All joists, rafters, beams, and posts 2-inches to 4-inches thick shall be No. 2 grade Douglas Fir-Larch or better. All posts and beams 5 inches and thicker shall be No 1 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 size rock, and 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, 2-114 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 portland cemer
- 1/10 part hydrated lime, 2-11/4 to 3 parts sand, and 1 to 2 parts gravel. G 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 concrete
- asonry units (CBC 2103.1) Reinforcing steel. Reinforcing steel used in construction of
- 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 shall with ASTM A53. Structural tubes shall comply with ASTM A500, Grade B.
- Fasteners for preservative-treated wood. Fasteners for preservative-treated and fire-retardant-treated wood including nuts and washers -- shall be of hot dipped zinc-coated galvanized steel, stainless steel, silicon bronze, or copper. (CRC R31) Exception: 1/2-inch diameter or greater steel holts
- Exception: Fasteners other than nails and timber rivets may be of mechanicall deposited zinc-coated steel with coating weights in accordance with ASTM B 695. Class 55 minimum
- preservative-treated wood in an interior, dry environmer 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-coated galvanized steel, stainless steel, silicon bronze, or copper. (CRC R317.3.3)

- Roof covering. All roof covering shall be installed per applicable requirements of CBC 1507. Roof coverings shall be at least Class A rated in accordance with ASTM E 108 or UL 790, which shall include coverings of slate, clay or concrete roof tile, exposed concrete roof deck, ferrous or copper shingles or sheets. (County Building Code 92.1.1505.1)
- wherever there is a change in roof slope or direction, and around roof penings. flashing is of metal, the metal shall be corrosion-resistant with a thickness of not 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

Roof flashing. Flashing shall be installed at wall and roof intersections, at gutters

- ng. (CRC R903.2.2) Water-resistive 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 building appendages in a manner to
- naintain a weather-resistant exterior wall envelope. (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 At the intersection of chimneys or other masonry construction with frame or stucci walls, with projecting lips on both sides under stucco copings
- c. Under and at the ends of masonry, wood, or metal copings and sills
- d. Continuously above all projecting wood trim e. Where exterior porches, decks, or stairs attach to a wall or floor assembly of

the top of the footing to finished grade. (CRC R406.1)

- wood-frame construction At wall and roof intersections
- a At built-in gutters 6. 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
- Weep screed. A minimum 0.019-inch (No. 26 galvanized sheet gage), corrosion-resistant weep screed or plastic weep screed with a minimum vertical attachment flange of 3-1/2 inches shall be provided at or below the foundation plate line on exterior stud walls in accordance with ASTM C 92. The weep screed shall be placed a minimum 4 inches above the earth or 2 inches above paved areas and shall be of a type allowing trapped water to drain to the exterior of the building. (CRC R703.7.2.1

### H. Grading and soils

- 1. Grading permit. Grading permit required if volume of earth moved exceeds 200 cubic vards or if any cuts or fills exceed 8 feet in height/depth. (County Grading Ordinance 202) on report. Compaction report required for fill material 12 inches or more in
- Applicability. CalGreen residential mandatory measures shall apply to every newl constructed building or structure and within any addition or alteration increasing a building's conditioned area, volume, or size. (CalGreen 101.3, CalGreen 301.1.1) Exception: All residential buildings undergoing permitted alterations, additions, improvements shall replace noncompliant plumbing fixtures with water-conserv vements shall replace noncompliant plumbing fixture ping fixtures per CalGreen 301.1.1 and CalGreen 4.303.1

Green Building Standards Code (CALGreen) Requirements

- (CALGreen) Requirements (Cont
- rying plumbing fixtures and fittings. Plumbing fixtures and fittings shall comply with the following per CalGreen 4.303.1
- Water closets: Maximum 1.28 gallons per flush
- b. Urinals: Maximum 0.5 gallons per flush

enforcing agency.

- 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
- gallons per minute at 80 psi 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 ps Kitchen faucets: Maximum flow rate of 1.8 gallons per minute at 60 ps
- 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 psi
- 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 whici connects or communicates with the controller(s). Soil moisture-based controllers an not required to have rain sensor input.
- Joints and openings. Openings in the building envelope separating conditioned space aled 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 sucl opening with cement mortar, concrete masonry or a similar method acceptable to the
- Construction waste reduction. disposal, and recycling. Reduce and/or salvage for

Exception: Excavated soil and land-clearing debris.

Exception: Alternate waste reduction methods developed by working with local agencies if diversion or recycle facilities capable of compliance with this item do not exist or are not located reasonably close to the jobsite

- Construction waste management plan. A construction waste management plan sha be prepared and available on site during construction. Documentation demonstratin compliance with the plan shall be accessible during construction for the enforcin 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 salv
- 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 calculated by weight or volume, but not by both peration and maintenance manual. Prior to final inspection, a manual, compact disc, ab-based reference, or other acceptable media which includes all of the following shall 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
- Equipment and appliances, including water-saving devices and systems, HVAC system, photovoltaic systems, water-heating systems and other major appliances and
- Roof and vard drainage, including gutters and downs iii. Space conditioning systems, including condensers and air filters Landscape irrigation systems

b. Operation and maintenance instructions for the following:

- Water reuse systems Information from local utility water and waste recovery providers on methods to
- Further reduce resource consumption, including recycle programs and location Public transportation and/or carpool options available in the area. e. Educational material on the positive impacts of an interior relative humidity between
- 30-60 percent and what methods an occupant may use to maintain the relative numidity 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 a copy or 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 side and until final startup of the healing and cooling 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 dust or debris which may collect in the system. (CAL Green 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 CALGreen 4.504.2. Verification of compliance shall be provided at the
- equest of the enforcing agency. (CALGreen 4.504.2.1) 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):
- a. 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
- NSF/ANSI 140 at the Gold level. d. Scientific Certifications Systems Indoor Advantage™ Gold. 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):
- a. 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 &
- Schools program Certification under the Resilient Floor Covering Institute (RFCI) FloorScore program 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 densit fiberboard composite wood products used on the interior or exterior of the building shall meet the requirements for formaldehyde as specified in ARB's Air Toxics Control Measure for Composite Wood (17 CCR 93120 et seq.) by or before the dates specified in

those sections, as shown in CalGreen Table 4,504.5. The following limits are in parts pe

0.11

- million (CALGreen 4.504.5): a. Hardwood plywood veneer core
- Particle hoard 0.09
- d. Medium-density fiberboard (MDF) e. Thin MDF (5/16 inch or less)

- (CALGreen) Requirements (Continued)
- Moisture content of building materials. Building materials with visible signs water damage shall not be installed. Wall and floor framing shall not be endos when the framing members exceed 19 percent noisture content. Moisture content shall be verified in compliance with the following (CALGreen 4.505.3):
- Moisture content shall be determined with either a probe-type or contact-type
- Moisture readings shall be taken at a point 2 feet to 4 feet from the grade stamped end of each piece to be verifie
- At least three random moisture readings shall be performed on wall and floor framing with documentation acceptable to the enforcing agency provided at the time of approval to enclose the wall and floor framing.
- Insulation products which are visibly wet or have high moisture content shall be replaced or allowed to dry prior to enclosure in wall or floor cavities. Wet-applied insulation products shall follow the manufacturers' drying recommendations prior to enclosure.
- Bathrooms with a bathtub and/or shower shall be mechanically ventilated per th following (CalGreen 4.506.1):
- a. Fans shall be ENERGY STAR compliant and ducted to terminate outside
- b. Unless functioning as a component of a whole-house ventilation system, fans shall have humidity controls capable of adjustment - manually or automatical -- between a relative humidity range of 50% to 80%.
- Heating and air-conditioning system design. Heating and air-conditioning systems shall be sized, designed, and have their equipment selected using the ollowing methods (CALGreen 4.507.2):
- The heat loss and heat gain is established according to ANSI/ACCA 2 Manua J, ASHRAE handbooks, or other equivalent design software or methods.
- Duct systems are sized according to ANSI/ACCA 1 Manual D 2009, ASHRAE handbooks, or other equivalent design software or methods. c. Select heating and cooling equipment according to ACCA 36-S Manual S or

TABLE R602.3(1)

# **FASTENER SCHEDULE FOR STRUCTURAL MEMBERS** NUMBER AND TYPE OF FASTENERS

ling joint not attached to parallel rafter, laps over artifices [see Sections REC2.3.1, REC2.3.2 and Table inding joint assumed to purallel rafter (beet joint) joint decisions RNO2.3.1 and RNO2.3.2 and Table RNO2.5.1(9)) touble top plate splice for SDC: Face mill on each side of end, and almost 24" kp splice long each side of end joint)

Tee mil End not

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BUILDING

DESCRIPTION OF BUILDING BLEEF NUMBER AND Driges Priestro offuctural panels, subfloor, roof and inferior self sheathing to framing and part

mon (4" x 0.1927);

THESE ARE MINIMUM REQUIREMENTS AN RECUIRED BY APPLICABLE CODE