

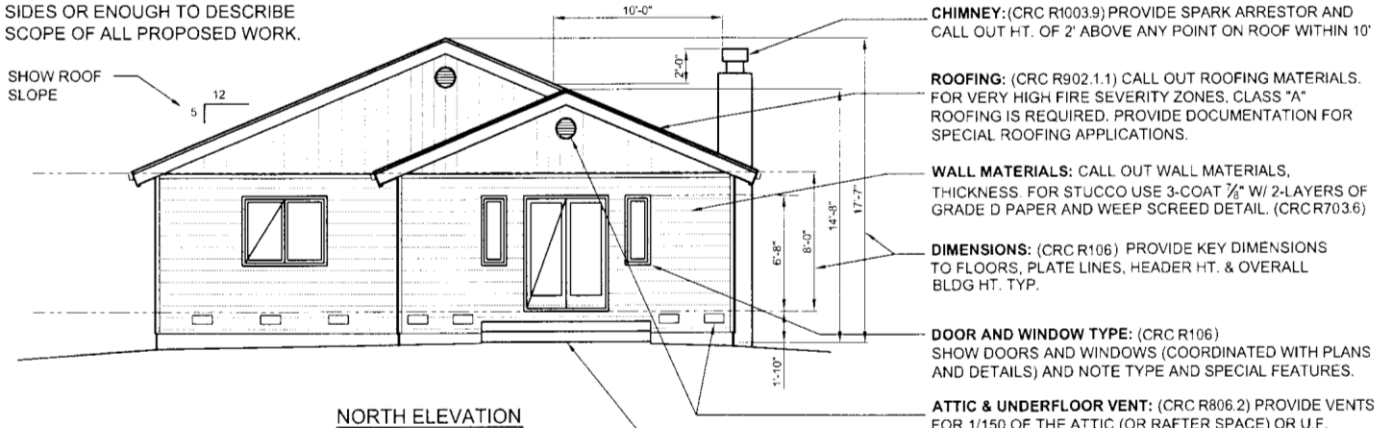


**City of El Cajon**  
**Building and Fire Safety Division**  
 200 Civic Center Way  
 El Cajon, CA 92020  
 Phone: (619) 441-1726

## EXAMPLE – BUILDING SECTIONS & ELEVATIONS

The following are for example purposes only. Actual section or elevations submitted with your plans must be specific to your project.

NOTE: ONLY ONE SIDE IS SHOWN ON THIS SAMPLE. SHOW ALL FOUR SIDES OR ENOUGH TO DESCRIBE SCOPE OF ALL PROPOSED WORK.



**NORTH ELEVATION**

**SAMPLE VENT CALCS.**

**ATTIC:**

**REQUIRED:** 1,918 SF / 150 = 12.8 SF REQD. - 6.4 HI & 6.4 LO PER CBC  
**PROVIDED:** 3 - 18" DIA. VENTS @ (9\*2 pi)/144 x .85 (for screen) = 1.5 x 3 = 4.5 SF + RIDGE VENT X 44' = (8 x 44)/144 = 2.4 SF = TOTAL 6.9 SF HI  
 14 - 6X14 SCREENED EAVE VENTS @ (6x14x.85)/144 = 0.5 x 14 = 7.0 SF LO

**UNDERFLOOR:**

**REQUIRED:** 1,918 SF / 150 = 12.8 SF REQD.  
**PROVIDED:** 26 - 6X14 SCREENED EAVE VENTS @ (6x14x.85)/144 = 0.5 x 26 = 13.0 SF

- CHIMNEY:** (CRC R1003.9) PROVIDE SPARK ARRESTOR AND CALL OUT HT. OF 2' ABOVE ANY POINT ON ROOF WITHIN 10'
- ROOFING:** (CRC R902.1.1) CALL OUT ROOFING MATERIALS. FOR VERY HIGH FIRE SEVERITY ZONES, CLASS "A" ROOFING IS REQUIRED. PROVIDE DOCUMENTATION FOR SPECIAL ROOFING APPLICATIONS.
- WALL MATERIALS:** CALL OUT WALL MATERIALS, THICKNESS FOR STUCCO USE 3-COAT 3/8" W/ 2-LAYERS OF GRADE D PAPER AND WEEP SCREENED DETAIL. (CRCR703.6)
- DIMENSIONS:** (CRC R106) PROVIDE KEY DIMENSIONS TO FLOORS, PLATE LINES, HEADER HT. & OVERALL BLDG HT. TYP.
- DOOR AND WINDOW TYPE:** (CRC R106) SHOW DOORS AND WINDOWS (COORDINATED WITH PLANS AND DETAILS) AND NOTE TYPE AND SPECIAL FEATURES.
- ATTIC & UNDERFLOOR VENT:** (CRC R806.2) PROVIDE VENTS FOR 1/150 OF THE ATTIC (OR RAFTER SPACE) OR U.F. AREA. SHOW CALCS. (SEE EXAMPLE AT LEFT) AND DETAILS. (SEE CODE FOR OPTIONS)
- GRADING:** (CRC 401.3) SHOW ACCURATE EXTERIOR GRADE LINES (BOTH EXISTING AND PROPOSED). CALL FOR 6" FALL WITHIN FIRST 10' AWAY FROM BLDG. ON ALL SIDES.

**INTERIOR SHEAR WALLS OR BRACED WALLS:** (CRC R602.10) FOR INTERIOR SHEAR WALLS (BY PROF. CALCS.) OR BRACED WALL PANELS, SHOW SHEAR TRANSFER FEATURES (PLY, NAILS, FRAMING CLIPS ETC.) - SHOW DETAILS OF SHEATHING ABOVE CEILING TO ROOF AND BELOW FLOOR TO FOUNDATION.

**SHEAR TRANSFER:** (CRC R602.10) FOR ALL SHEAR WALLS OR BRACED WALL PANELS, SHOW SHEAR TRANSFER FEATURES (PLY, NAILS, FRAMING CLIPS ETC.)

**WALL MATERIALS:** (CRC R701) CALL OUT WALL MATERIALS, STRUCTURAL REQ'T'S, AND FINISH WITH UNDERLAYMENT, STUD SIZE AND SPACING.

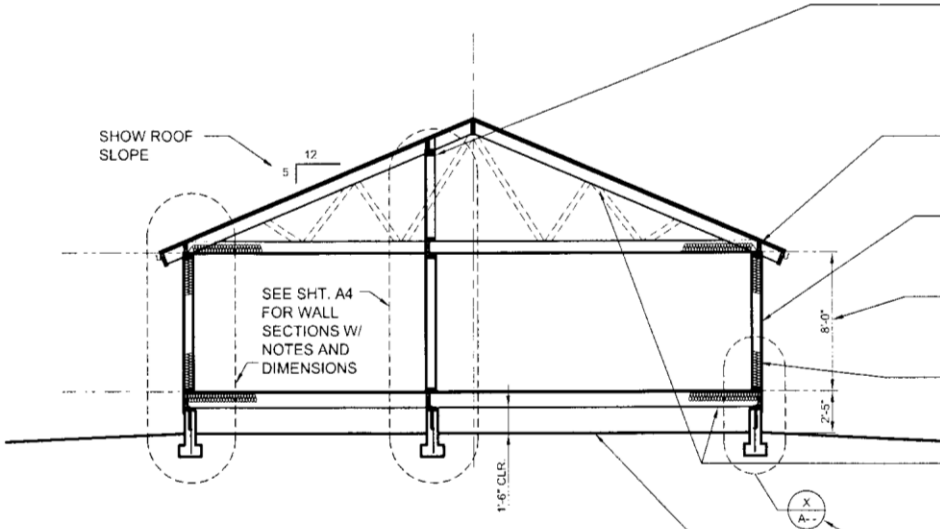
**DIMENSIONS:** (CRC R106) PROVIDE KEY DIMENSIONS TO FLOORS, PLATE LINES, HEADER HT., U.F. CLEARANCES & OVERALL BLDG HT. TYP.

**INSULATION:** (CA. ENERGY CODE - "T-24") CALL OUT INSULATION PER CALCS. AS A MIN. R-30 ROOF, R-13 WALL & R-19 FLOORS. SHOW INSUL. BTWN GARAGE & HOUSE.

**FRAMING:** (CRC R602) SHOW SECTION(S) THROUGH ALL MAJOR NEW FRAMING, ENOUGH TO MAKE IT CLEAR HOW THE OVERALL ASSEMBLY, HEIGHTS ETC. FIT TOGETHER.

**DETAIL REFERENCE:** ON THE BUILDING SECTION, KEY IN REFERENCES TO DETAILS SO THAT THE COMPLETE INTENDED STRUCTURE IS ACCURATELY DESCRIBED.

**GRADING:** (CRC 401) SHOW ACCURATE GRADE LINES (BOTH EXISTING AND PROPOSED), INDICATE STEPPED FTGS. IF APPLICABLE. INDICATE UNDERFLOOR DRAINAGE SYSTEM IF U.F. GRADE IS BELOW ADJACENT EXTERIOR GRADE.



**BUILDING SECTION**

