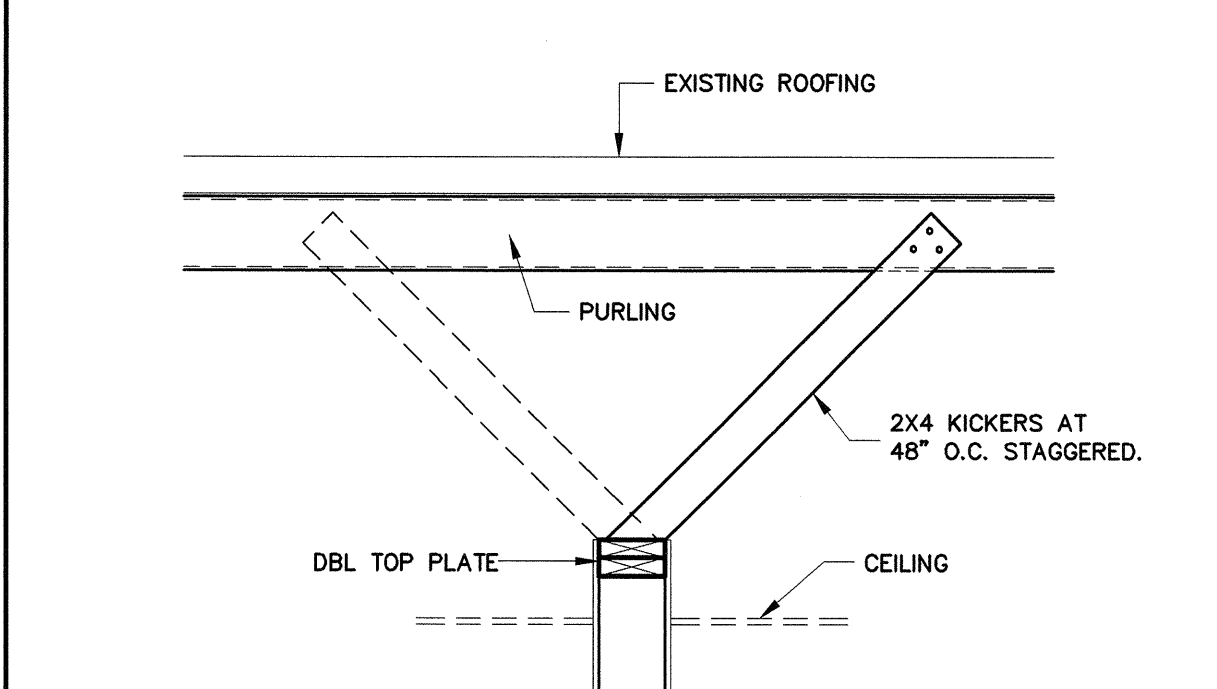


3 1 HOUR WALL AT PARAPET



4 NON STRUCTURAL INTERIOR PARTITION

SUSPENDED ACOUSTICAL CEILING PER CBC 2007

THIS DRAWING DEPICTS MINIMUM CODE REQUIREMENTS PER CBC 2007. INFORMATION IS FOR REFERENCE ONLY AND IS NOT A SUBSTITUTE FOR ACCURATE DRAWINGS PREPARED FOR EACH PROPOSED CONSTRUCTION PROJECT.

SUPSENDED ACOUSTICAL CEILING NOTES

REQUIRED REFERENCES

1. SUSPENDED ACOUSTICAL CEILINGS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM C 635 AND ASTM C 636, AND, FOR SEISMIC DESIGN CATEGORIES D, E & F (ALL OF SANTA ROSA) IN ACCORDANCE WITH THE CISCA (CEILING AND INTERIORS SYSTEMS CONSTRUCTION ASSOCIATION) GUIDELINES FOR SEISMIC RESTRAINT FOR DIRECT-HUNG SUSPENDED CEILING ASSEMBLIES (ZONES 3-4) AS MODIFIED BY ASCE 7-05 SEC. 13.5.6.22 INCLUDING SUB-SECTIONS A-H. (CBC 803.9.1.1 AND ASCE 7-07 13.5.6.22)

T-BAR GRID & VERTICAL SUPPORT

2. THE PERIMETER SUPPORTING CLOSURE ANGLE SHALL BE 2\"/>

3. A HEAVY DUTY T-BAR GRID SYSTEM SHALL BE USED AS DEFINED IN ASTM C 635 (ASCE 7-05 SEC. 13.5.6.22 A). THE MINIMUM MAIN T-BAR AND CROSS T-BAR CONNECTION STRENGTH SHALL BE 180 LBS. (CISCA GUIDELINES FOR SEISMIC RESTRAINT)

4. MAIN AND CROSS RUNNERS SHALL BE SUPPORTED TO STRUCTURE ABOVE BY A MIN. 12 GAUGE VERTICAL SUPPORT WIRES, BEGINNING 8\"/>

5. THE CONNECTION DEVICE FROM VERTICAL WIRE TO THE STRUCTURE MUST SUSTAIN A MIN. 100 LBS. (CISCA GUIDELINES FOR SEISMIC RESTRAINT). SUSPENDED CEILING ANCHORS FOR TENSION IN CONCRETE OR MASONRY SHALL NOT BE POWER ACTUATED FASTENERS (UNLESS APPROVED AND LISTED FOR SUCH LOADING, IN WHICH CASE PROVIDE COPY OF ICC-ES REPORT AND REFER TO REPORT ON DRAWINGS/DETAILS.) (ASCE 7-05 SEC. 13.4.5 & 13.4.6)

LATERAL SUPPORT

6. FOR CEILINGS OVER 1,000 S.F., PROVIDE HORIZONTAL RESTRAINT OF THE CEILING TO THE STRUCTURAL SYSTEM (COMPRESSION STRUTS WITH 4 SPLAY WIRES). TRIBUTARY AREAS OF THE HORIZONTAL RESTRAINT SHALL BE APPROXIMATELY EQUAL. EXCEPTION, RIGID BRACES ARE PERMITTED TO BE USED INSTEAD OF DIAGONAL SPLAY WIRES (ASCE 7-05 SEC. 13.5.6.22 C).
7. LATERAL FORCE COMPRESSION STRUTS SHALL BE OF EMT CONDUIT OR METAL STUDS OR OTHER APPROVED STRUTS. BRACES SHALL COMMENCE A MAX. OF 6\"/>
8. SEISMIC SPLAY WIRES SHALL BE FOUR (4) 12 GAUGE WIRES ATTACHED TO THE CEILING GRID WITHIN 2\"/>
9. FOR CEILINGS OVER 2,500 S.F., PROVIDE A SEISMIC SEPARATION JOINT OR FULL-HEIGHT PARTITION WALL (FOR SEPARATION INTO 2,500 S.F. AREAS) UNLESS ADEQUATE DOCUMENTATION IS PROVIDED BY A LICENSED DESIGNER JUSTIFYING THE INSTALLATION. (ASCE 7-05 SEC. 13.5.6.22 D).
10. CHANGES IN CEILING HEIGHT SHALL BE PROVIDED WITH POSITIVE BRACING. (ASCE 7-05 SEC. 13.5.6.22 F)

1 SUSPENDED CEILING DETAIL

SUSPENDED ACOUSTICAL CEILING PER CBC 2007

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SUPSENDED ACOUSTICAL CEILING NOTES (CONTINUED)

PARTITION LATERAL BRACING

11. PARTITION BRACING SHALL BE INDEPENDENT FROM SPLAY BRACING FOR CEILING GRID SYSTEM. PARTITION BRACING SHALL BE BY SEPARATE SPLAY WIRES IN BOTH DIRECTIONS PERPENDICULAR TO THE WALL, OR BY RIGID BRACES, OR BY A COMBINATION OF BOTH. DETAILS SHALL BE SHOWN ON THE DRAWINGS. (CISCA GUIDELINES FOR SEISMIC RESTRAINT & CBC 1614A.1.12-10)

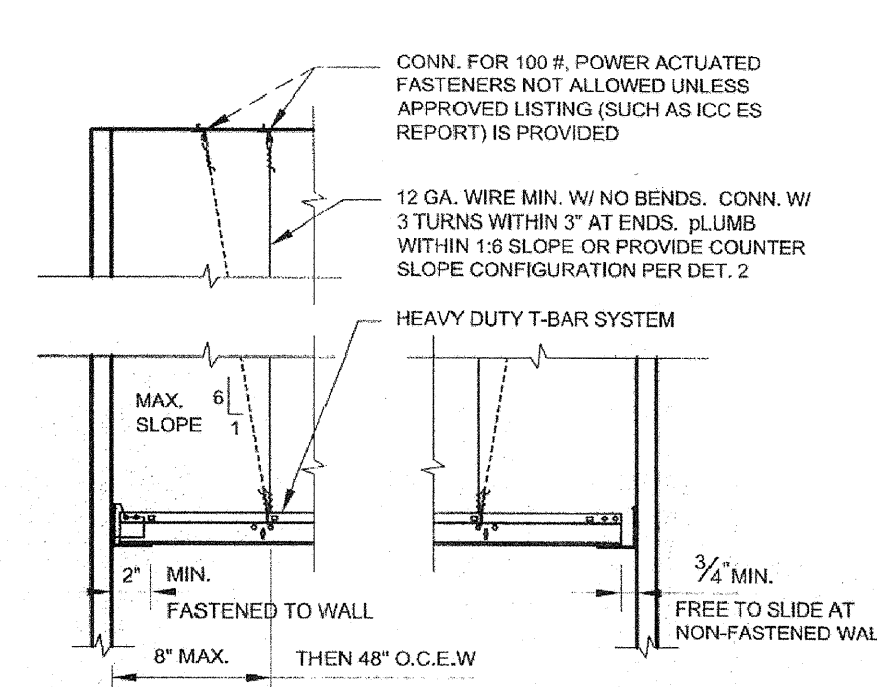
WIRING, LIGHTING, AIR TERMINALS & FIRE SPRINKLERS

12. CABLE TRAYS AND ELECTRICAL CONDUITS SHALL BE SUPPORTED INDEPENDENTLY OF THE CEILING. (ASCE 7-05 SEC. 13.5.6.22 G). ALL WIRING METHODS AND MATERIALS IN SUSPENDED CEILINGS SHALL BE APPROVED FOR THAT APPLICATION. NON-METALLIC SHEATHED CABLE IS NOT APPROVED FOR OPEN WIRING IN SUSPENDED CEILINGS. ALL WIRING AND OTHER COMPONENTS USED IN PLENUM CEILINGS MUST BE SPECIFICALLY APPROVED FOR THAT USE. (CISCA GUIDELINES FOR SEISMIC RESTRAINT)
13. ALL SURFACE MOUNTED LIGHT FIXTURES AND AIR TERMINALS FOR SUSPENDED CEILINGS SHALL BE SECURELY FASTENED TO THE CEILING MEMBERS BY BOLTS, SCREW, RIVETS OR LISTED CLIPS SPECIFICALLY APPROVED FOR USE WITH THE TYPE OF FRAMING AND FIXTURES. (CISCA GUIDELINES FOR SEISMIC RESTRAINT AND CBC 410-10) LIGHT FIXTURES SHALL BE INSTALLED AS FOLLOWS:
 - A. LIGHT FIXTURES WEIGHING LESS THAN 10 POUNDS SHALL HAVE ONE 12 GA. WIRE HANGER CONNECTED FROM THE FIXTURE TO THE STRUCTURE ABOVE (WIRES MAY BE SLACK).
 - B. FIXTURES WEIGHING MORE THAN 10 POUNDS AND LESS THAN 55 POUNDS SHALL HAVE TWO (2) 12 GAUGE WIRES AT OPPOSING CORNERS TO THE STRUCTURE ABOVE (WIRES MAY BE SLACK).
 - C. FIXTURES WEIGHING MORE THAN 55 POUNDS MUST BE DIRECTLY ATTACHED TO THE STRUCTURE ABOVE BY APPROVED HANGERS (NOT DEPENDANT ON CEILING GRID FOR SUPPORT).
 - D. PENDANT HUNG FIXTURES MUST BE ATTACHED TO THE STRUCTURE ABOVE BY ONE 1/2\"/>
14. AIR TERMINALS SHALL BE INSTALLED AS FOLLOWS (CISCA GUIDELINES FOR SEISMIC RESTRAINT):
 - A. AIR TERMINALS WEIGHING LESS THAN 20 POUNDS SHALL BE POSITIVELY ATTACHED TO GRID.
 - B. AIR TERMINALS WEIGHING MORE THAN 20 POUNDS AND LESS THAN 55 POUNDS SHALL BE POSITIVELY ATTACHED TO GRID AND SHALL HAVE TWO (2) 12 GAUGE WIRES AT OPPOSING CORNERS TO THE STRUCTURE ABOVE (WIRES MAY BE SLACK).
 - C. AIR TERMINALS WEIGHING MORE THAN 55 POUNDS MUST BE DIRECTLY ATTACHED TO THE STRUCTURE ABOVE BY APPROVED HANGERS (NOT DEPENDANT ON CEILING GRID FOR SUPPORT).
15. ALL FIRE SPRINKLER PIPING AND LAYOUT TO BE APPROVED BY THE FIRE DEPARTMENT PRIOR TO INSTALLATION OF CEILING TILES. (CISCA GUIDELINES FOR SEISMIC RESTRAINT) EXCEPT WHERE RIGID BRACED ARE USED TO LIMIT LATERAL DEFLECTION, FIRE SPRINKLER HEADS SHALL HAVE A 2\"/>

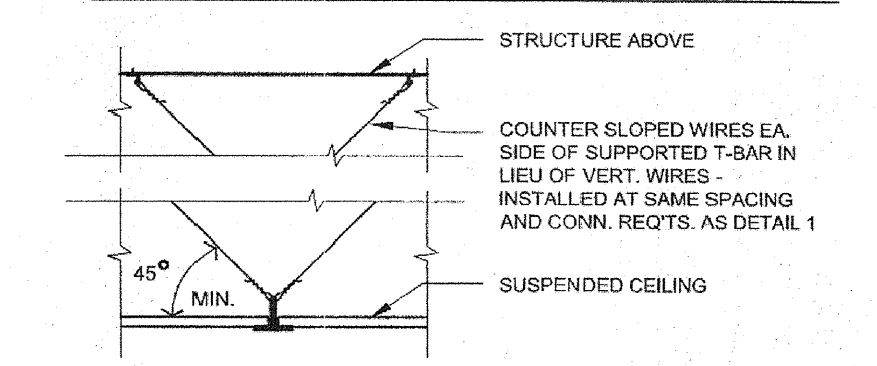
SPECIAL CASES (FIRE RATED CEILINGS, HOSPITALS ETC.)

16. ACOUSTICAL CEILING SYSTEMS THAT ARE PART OF FIRE-RESISTIVE-RATED CONSTRUCTION SHALL BE INSTALLED IN THE SAME MANNER USED IN THE ASSEMBLY TESTED AND COMPLY WITH THE PROVISIONS OF CHAPTER 7. (CBC 803.9.1.2). FOR FIRE RESISTIVE MAIN RUNNERS, ALL EXPANSION RELIEF CUT OUTS SHALL BE WITHIN 3\"/>
17. FOR BUILDINGS UNDER THE OSHPD & DSA REQUIREMENTS OF THE CBC (HOSPITALS ETC.), SEE CHAPTER 16A SECTION 1614A.1.11 FOR A SERIES OF SPECIAL SUSPENDED CEILING REQUIREMENTS)

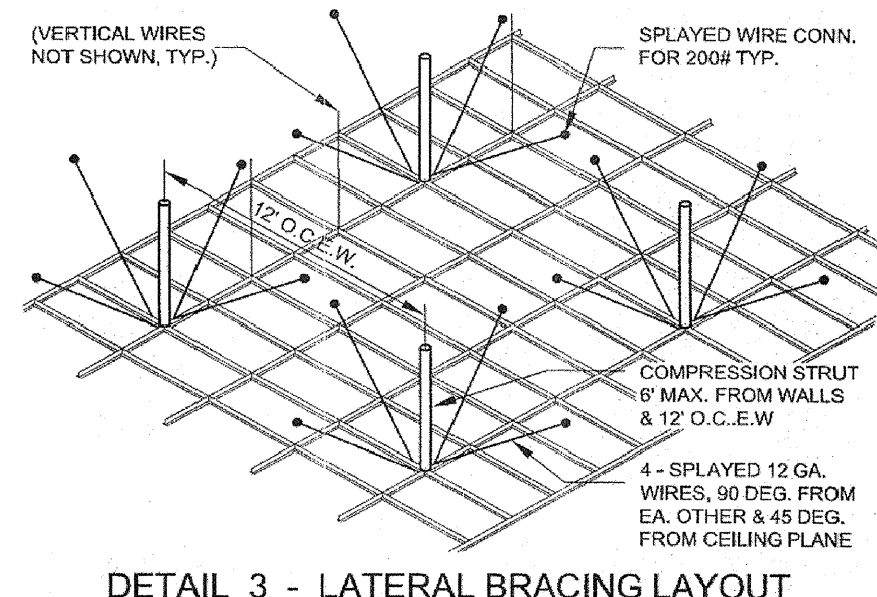
2 SUSPENDED CEILING DETAIL



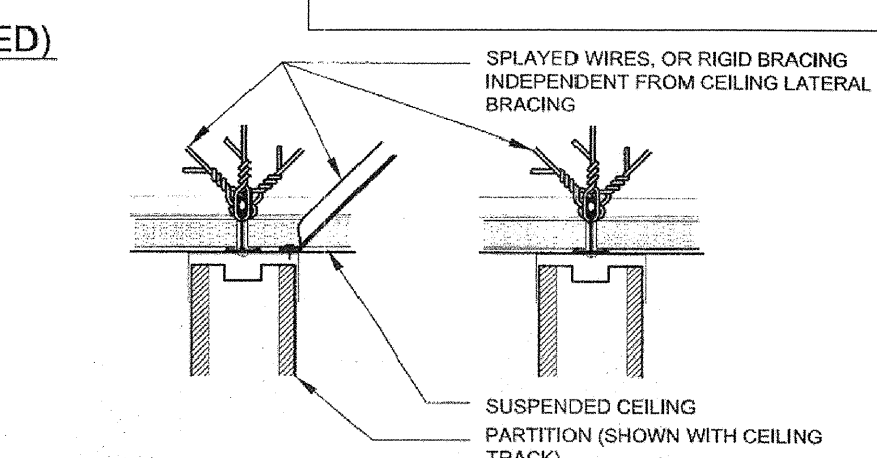
DETAIL 1 - TYPICAL CONNECTIONS



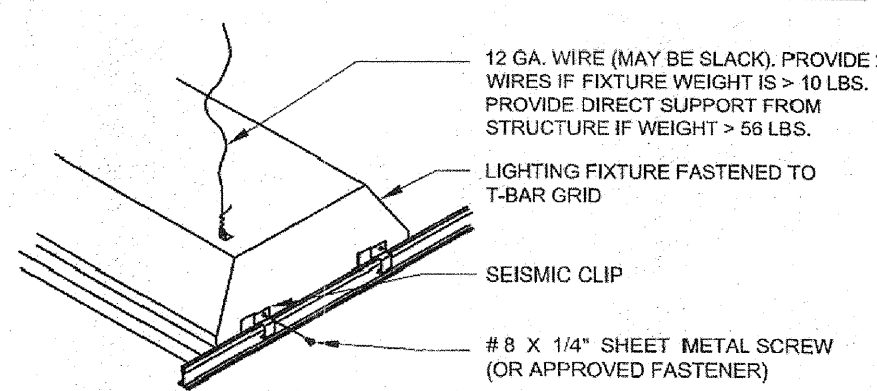
DETAIL 2 - COUNTER SLOPE OPTION



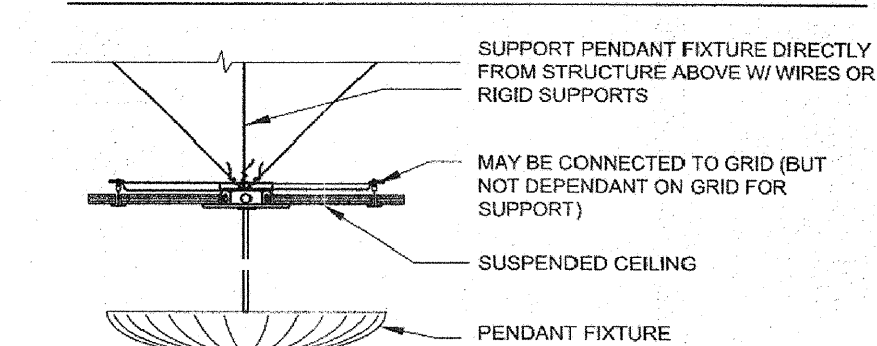
DETAIL 3 - LATERAL BRACING LAYOUT



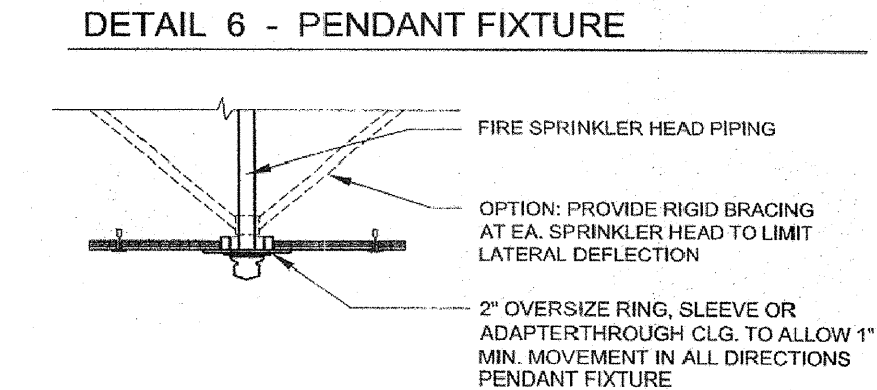
DETAIL 4 - PARTITION LATERAL BRACING



DETAIL 5 - LIGHTING FIXTURE

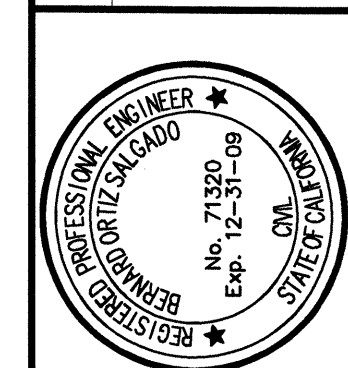


DETAIL 6 - PENDANT FIXTURE



DETAIL 7 - FIRE SPRINKLER HEAD

REV	DATE/DESC



THESE PLANS PREPARED UNDER THE DIRECT SUPERVISION OF
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