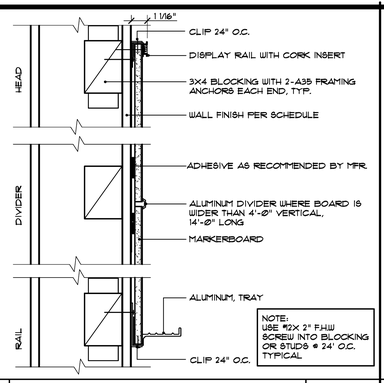
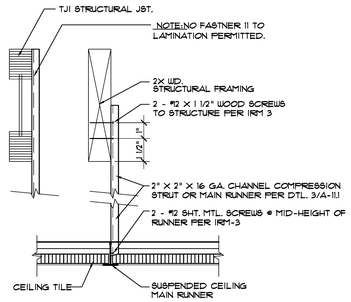
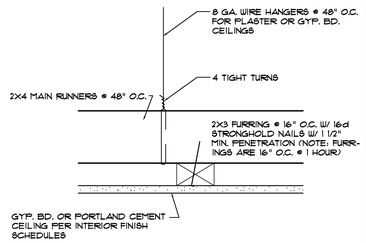


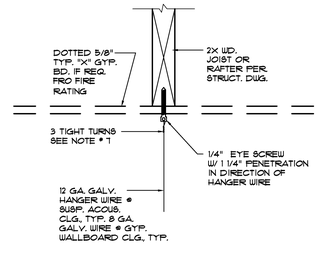
16 MARKER BOARD MOUNTING 3"=1'-0"



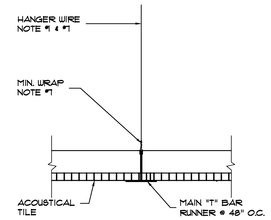
12 SUSPENDED CEIL. DETAIL 3"=1'-0"



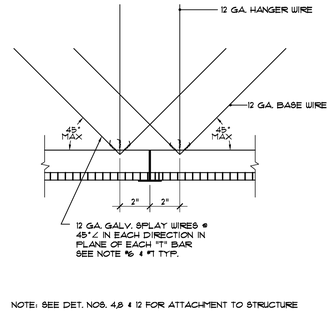
8 SUSPENDED CEIL. DETAIL 3"=1'-0"



6 SUSPENDED CEIL. DETAIL 3"=1'-0"

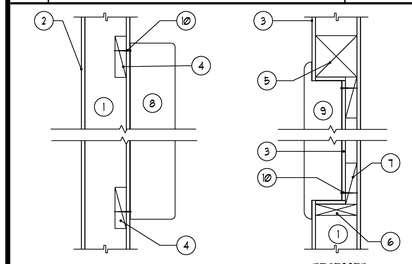


4 SUSPENDED CEIL. DETAIL 3"=1'-0"



NOTE: SEE DET. NOS. 4,8 & 12 FOR ATTACHMENT TO STRUCTURE

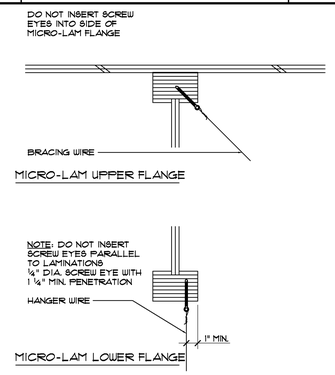
1 SUSPENDED CEIL. DETAIL 3"=1'-0"



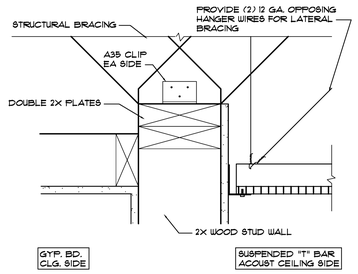
1. 2 X STUD WALL AS PER STRUCTURAL DWGS
2. WALL FINISH AS PER FINISH SCHEDULE
3. 5/8" TYPE "X" GYPSUM BOARD @ HR. WALL
4. 2 X 6 BLOCKING BETWEEN STUDS
5. 4 X WIDTH OF STUD MIN. @ HEADER
6. 2 X STUD WIDTH @ JAMB & SILL
7. 2 X 4 BLOCKING
8. SURFACE MTD. FIXTURE/CABINET
9. RECESSED FIXTURE MAINTAIN 5/8" TYPE "X" PENETRATION
10. 4 - 3/8" DIA. x 1 - 1/4" LONG LAG SCREWS, PROVIDE GYPBD. BEHIND FIXTURE/CABINET @ 1 HR. RATED WALLS

NOTE:
DOOR PULL HANDLE SHALL BE MOUNTED AT 48" ABV. FIN. FL.

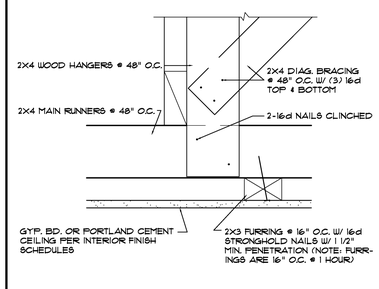
17 TYP. RECESSED FIXTURE/CABINET 1 1/2"=1'-0"



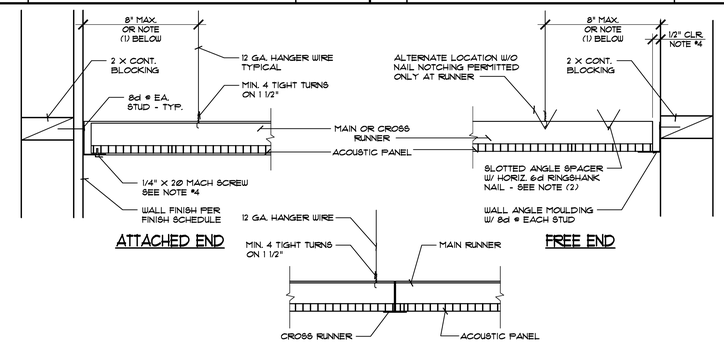
13 SUSPENDED CEIL. DETAIL 3"=1'-0"



9 SUSPENDED CEIL. DETAIL 3"=1'-0"

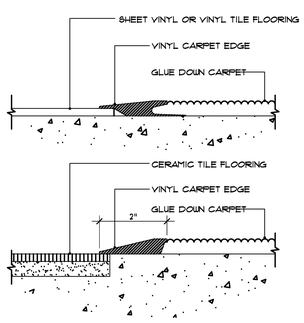


7 SUSPENDED CEIL. DETAIL 3"=1'-0"



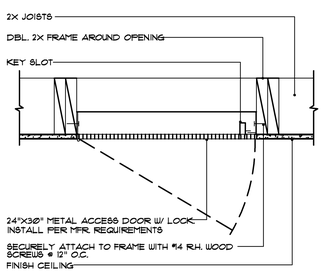
NOTES: (1) 1/4" OF THE LENGTH OF THE END RUNNER WHICHEVER IS LESS.
(2) NAILS AT THE END OF HORIZONTAL STRUTS ARE TO BE PLACED WITH NAIL HEAD TOWARD CENTERLINE OF SPAN OF STRUT

5 HANGER WIRE CONNECTION TO GRID 3"=1'-0"

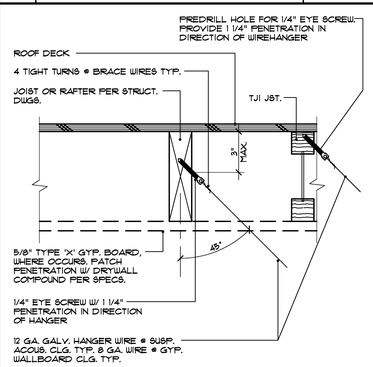


PROVIDE REDUCER STRIPS OR THRESHOLDS AT EVERY CHANGE IN FLOOR MATERIAL, TYPICAL

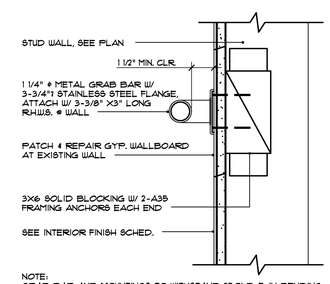
18 CARPET EDGE 6"=1'-0"



14 ACCESS DOOR 1 1/2"=1'-0"



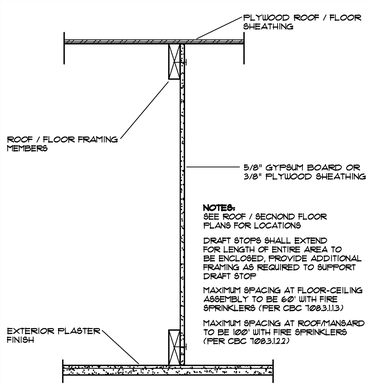
10 SUSPENDED CEIL. DETAIL 3"=1'-0"



NOTE:
GRAB BAR AND MOUNTINGS TO WITHSTAND 250LB. F. IN BENDING, SHEAR & TENSION W/ 1/8" MIN. RADIUS ON ALL EDGES. BAR SHALL NOT ROTATE IN FITTING

A35-SIMPSON STRONG-TIE OR EQUIVALENT

19 GRAB BAR 3"=1'-0"



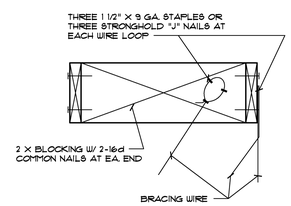
NOTES:
SEE ROOF / SECOND FLOOR PLANS FOR LOCATIONS

DRAFT STOPS SHALL EXTEND FOR LENGTH OF ENTIRE AREA TO BE ENCLOSED. PROVIDE ADDITIONAL FRAMING AS REQUIRED TO SUPPORT DRAFT STOP

MAXIMUM SPACING AT FLOOR-CEILING ASSEMBLY TO BE 60' WITH FIRE SPRINKLERS (PER CBC 708.3.1.3)

MAXIMUM SPACING AT ROOF/WANSARD TO BE 100' WITH FIRE SPRINKLERS (PER CBC 708.3.1.2.2)

15 DRAFT STOP 1 1/2"=1'-0"



11 WIRE CONNECTION @ WOOD JOIST OR BLOCK 1 1/2"=1'-0"

SUSPENDED CEILING NOTES

1. 12 ga. (min.) hanger wires may be used for up to and including 4'-0" x 4'-0" grid spacing along main runners.
2. Provide 12 ga. hanger wires at the ends of all main and cross runners within 8 inches from the support within 1/4 of the length of the end tee, whichever is least, for the perimeter of the ceiling area.
3. Provide trapeze or other supplementary support members at obstructions to main hanger spacing. Provide additional hangers; struts or braces as required at all ceiling breaks, soffits or discontinuous areas. Hanger wires that are more than 1 in 6 out of plumb are to have counter-sloping wires.
4. Ceiling grid members may be attached to not more than 2 adjacent walls. Ceiling grid members should be at least 1/2 inch free of other walls. If walls run diagonally to ceiling grid system runners, one end of main and cross runners should be free and a minimum of 1/2 inch clear of wall.
5. At the perimeter of the ceiling area where main or cross runners are not connected to the adjacent wall, provide interconnection between the runners at the free end to prevent lateral spreading. A metal strut or a 16 ga. wire with a positive mechanical connection to the runner may be used. Where the perpendicular distance from the wall to the first parallel runner is 12 inches or less, this interlock is not required.
6. Provide sets of four 12 ga. splayed bracing wires oriented 90 degrees from each other at no more than 12 feet by 12 feet on center.

   Provide bracing wires at locations not more than 1/2 the spacings given above from each perimeter wall and at the edge of vertical ceiling offsets for school buildings.

   The slope of these wires shall not exceed 45 degrees from the plane of the ceiling and shall be taut without causing the ceiling to lift.
7. Fasten hanger wires with not less than 3 tight turns. Fasten bracing wires with 4 tight turns. Make all tight turns within a distance of 1-1/2 inches. Hanger or bracing wire anchors to the structure shall be installed in such a manner that the direction of the anchor aligns as closely as possible with the direction of the forces acting on the wire.
8. Separate all ceiling hanging and bracing wires at least 6 inches from all unbraced ducts, pipes and conduit.
9. D.S.A. approved manufacturers:
   PA-002 Tectum I and Tectum II - Form Board, Acoustical Board and Suspended Ceiling Tile
   PA-022 Armstrong Cassettes 800 Series Metal Ceiling System
   PA-026 Chicago Metallic Suspended Ceiling System
   PA-030 USG Interior Dom Suspended Ceiling Grid System
   PA-041 Armstrong World Industries Suspended Ceiling System
   PA-078 Metalline, Plantostile and Magna T-Cell Suspended Ceiling System
10. Attach all light fixtures to the ceiling grid runners to resist a horizontal force equal to the weight of the fixtures.
11. Flush or recessed light fixtures and air terminals or services weighing less than 56 pounds may be supported directly on the runners of a heavy duty grid system but, in addition, they must have a minimum of two 12 ga. slack safety wires attached to the fixture at diagonal corners and anchored to the structure above. All 4 feet x 4 feet light fixtures must have slack safety wires at each corner.

    All flush or recessed light fixtures and air terminals or services weighing 56 pounds or more must be independently supported by not less than 4 taut 12 ga. wires each attached to the fixture and to the structure above regardless of the type of ceiling grid system used.

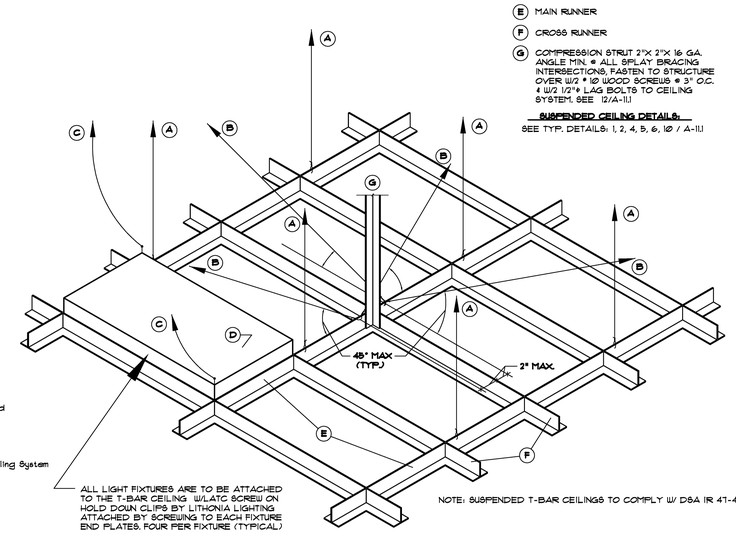
    The 4 taut 12 ga. wires including their attachment to the structure above must be capable of supporting 4 times the weight of the unit.
12. Support surface mounted light fixtures by at least two positive devices which surround the ceiling runner and which are each supported from the structure above by a 12 ga. wire. Spring clips or clamps that connect only to the runner are not acceptable.
13. Support pendent mounted light fixtures directly from the structure above with hanger wires or cables passing through each pendant hanger and capable of supporting 4 times the weight of the fixture.

LEGEND

- (A) 12 GA. VERT. WIRE HANGERS
- (B) 12 GA. SPLAY BRACING WIRE IS PLANE PARALLEL TO RUNNER. @ VERT. ANGLE OF 45° MAX. W/4 TIGHT TURNS IN 1-1/2"@ EA. END. SEE NOTE 1,6 & 7
- (C) TWO SLACK 12 GA. WIRES, ONE EACH FROM DIAG. CORNERS OF ITEM D
- (D) LIGHT FIXTURE SEE ELECTRICAL
- (E) MAIN RUNNER
- (F) CROSS RUNNER
- (G) COMPRESSION STRUT 2"X 2"X 16 GA. ANGLE MIN. @ ALL SPLAY BRACING INTERSECTIONS, FASTEN TO STRUCTURE OVER W/ 2 @ WOOD SCREWS @ 3" O.C. & W/2 1/2"@ LAG BOLTS TO CEILING SYSTEM. SEE 12/A-11.1

SUSPENDED CEILING DETAILS:

SEE TYP. DETAILS: 1, 2, 4, 5, 6, 10 / A-11.1



ALL LIGHT FIXTURES ARE TO BE ATTACHED TO THE T-BAR CEILING W/LATC SCREW ON HOLD DOWN CLIPS BY LITHONIA LIGHTING ATTACHED BY SCREWING TO EACH FIXTURE END PLATES. FOUR PER FIXTURE (TYPICAL)

NOTE: SUSPENDED T-BAR CEILINGS TO COMPLY W/ DSA IR 47-4 DETAILS

(G) DESCRIPTION	A (in^2)	rx (in)	ry (in)	ALLOW. CLEAR HEIGHT "H" (ft)
2.5" x 1.375" x 16 GA. STEEL CHANNEL	0.256	0.439	1.003	7.00 OR LESS
(2) - 2.5" x 1.375" x 16 GA. STEEL CHANNEL BACK-TO-BACK W/ #8 SMS @ 6" O.C.	0.630	0.575	1.033	9.25 OR LESS
2" x 2" x 16 GA. STEEL CHANNEL	0.360	0.667	0.882	11.00 OR LESS
(2) - 2" x 2" x 16 GA. STEEL CHANNEL BACK-TO-BACK W/ #8 SMS @ 6" O.C.	0.720	1.033	0.931	15.25 OR LESS
(2) - 2" x 2" x 16 GA. STEEL CHANNEL BACK-TO-BACK W/ #8 SMS @ 6" O.C. EACH FLANGE	0.720	0.817	0.817	13.50 OR LESS

3 SUSPENDED CEILING DETAIL & NOTES

LICENSED ARCHITECT
LEONARD M. SILVERSTEIN
C19098
RENEWAL 02/28/09
STATE OF CALIFORNIA

REVISION

P S W C GROUP
ARCHITECTS / PLANNERS
1887 BUSINESS CENTER DR., SUITE 3, SAN BERNARDINO, CA. 92408
909/890-2233 FAX. 909/890-2844

TYPICAL DETAILS

SCALE: AS SHOWN

JOB NO. P5200
DRAWN BY I
DATE 05-17-05

A-11.1

RE-BID #F09-02 ROOSEVELT II (HENRY) E.S. NEW CONSTRUCTION BID ISSUANCE SET 12/09/11