



20D REFLECTED CEILING PLAN  
 1/8"=1'-0"  
 (SEE ELECTRICAL DRAWINGS FOR FIXTURE LAYOUT)

REFLECTED CEILING PLAN LEGEND

	SURFACE MTD. FLOR. FIXTURE		RECESSED FLOR. CAN LIGHT		WALL MTD. EXIT SIGN		2'x4' T-BAR GRID W/ LAY-IN ACOUSTIC TILE		CLG. ACCESS PANEL - SEE DTL. 12A/A5.1	<b>NOTE:</b> 1. SEE ELECTRICAL DRAWINGS FOR SPECIFIC LIGHT TYPES AND SIZES 2. SEE MECHANICAL DRAWINGS FOR FULL MECHANICAL LEGEND. MECHANICAL DEVICES SHOWN ARE FOR COORDINATION PURPOSES ONLY. SEE MECHANICAL DRAWINGS FOR SIZES AND LOCATIONS.
	WALL MTD. FLOR. UPLIGHT		WALL MTD. FLOR. SCONCE		CLG. MTD. EXIT SIGN		1'x1' GLUE-ON ACOUSTIC TILE OVER 5/8" GYP. BD.		HVAC SUPPLY DIFFUSER - S.M.D.	
	SUSPENDED FLOR. FIXTURE		RECESSED FLOR. FIXTURE		CLG. MTD. PROJECTOR AND SCREEN - SEE DTL'S 4Q/A6.2 & 12A/A6.2		5/8" GYP. BD. OVER 2x8 WD. STUD FRAMING @ 16" O.C.		HVAC RETURN DIFFUSER - S.M.D.	
	1'x4' RECESSED FLOR. FIXTURE IN T-BAR CLG.		SUSPENDED FLOR. FIXTURE		3'x3' ROOF ACCESS HATCH - SEE DTL. 6A/A3.4				HVAC UNIT (ABOVE) - S.M.D.	
	2'x4' RECESSED FLOR. FIXTURE IN T-BAR CLG.									

REFLECTED CEILING PLAN NOTES

- 12GA. (MIN.) HANGER WIRES MAY BE USED FOR UP TO AND INCLUDING 4'-0"x4'-0" GRID SPACING ALONG MAIN RUNNERS.
- PROVIDE 12GA. HANGER WIRES AT THE ENDS OF ALL MAIN AND CROSS RUNNERS WITHIN 8" FROM THE SUPPORT OR WITHIN 1/4 OF THE LENGTH OF THE END TEE, WHICHEVER IS LEAST, FOR THE PERIMETER OF THE CEILING AREA. END CONNECTIONS FOR RUNNERS WHICH ARE DESIGNED AND DETAILED TO RESIST THE APPLIED HORIZONTAL FORCES MAY BE USED IN LIEU OF 12GA. HANGER WIRES SUBJECT TO ORS/SSS REVIEW AND APPROVAL.
- 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.
- 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.
- 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" OR LESS, THIS INTERLOCK IS NOT REQUIRED.
- PROVIDE SETS OF FOUR 12 GA. SPLAYED BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER AT THE FOLLOWING SPACING:  
 A. FOR SCHOOL BUILDINGS, PLACE SETS OF BRACING WIRES AND COMPRESSION STRUT AT A SPACING NOT MORE THAN 12 FEET BY 12 FEET ON CENTER.  
 B. PROVIDE BRACING WIRES AND COMPRESSION STRUT AT LOCATIONS NOT MORE THAN 1/2 THE SPACING GIVEN IN (A) ABOVE FROM EACH PERIMETER WALL AND AT THE EDGE OF VERTICAL CEILING OFFSETS. THE SLOPE OF THESE WIRES SHOULD NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND SHOULD BE TAUT WITHOUT CAUSING THE CEILING TO LIFT. SPLICES IN BRACING WIRES ARE NOT TO BE PERMITTED WITHOUT SPECIAL ORS/SSS APPROVAL.
- FASTEN HANGER WIRES WITH NOT LESS THAN 4 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 SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE WIRE ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE FORCES ACTING ON THE WIRE. NOTE: WIRE TURNS MADE BY MACHINE WHERE BOTH STRANDS HAVE BEEN DEFORMED OR BENT IN WRAPPING CAN WAIVE THE 1-1/2" REQUIREMENT, BUT THE NUMBER OF TURNS SHOULD BE MAINTAINED AND BE AS TIGHT AS POSSIBLE.
- SEPARATE ALL CEILING HANGING AND BRACING WIRES AT LEAST 6 INCHES FROM ALL UNBRACED DUCTS, PIPES, CONDUIT, ETC. IT IS ACCEPTABLE TO ATTACH LIGHTWEIGHT ITEMS, SUCH AS SINGLE ELECTRICAL CONDUIT NOT EXCEEDING 3/4" NOMINAL DIAMETER, TO HANGER WIRES USING CONNECTORS ACCEPTABLE TO ORS/SSS.
- ATTACH ALL LIGHT FIXTURES TO THE CEILING GRID RUNNERS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURES.
- 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 SERVICES WEIGHING LESS THAN 56 POUNDS MAY BE SUPPORTED CORNERS AND ANCHORED TO THE STRUCTURE ABOVE. ALL 4 FTx4 FT. 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 12GA. WIRES INCLUDING THEIR ATTACHMENT TO THE STRUCTURE ABOVE MUST BE CAPABLE OF SUPPORTING 4 TIMES THE WEIGHT OF THE UNIT.
- ALL FIXTURES AND AIR TERMINALS OR SERVICES SUPPORTED ON INTERMEDIATE DUTY GRID SYSTEMS MUST BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN 4 TAUT 12GA. WIRES EACH ATTACHED TO THE FIXTURE OR TERMINAL AND TO THE STRUCTURE ABOVE.
- SUPPORT SURFACE MOUNTED LIGHT FIXTURE BY AT LEAST TWO POSITIVE DEVICES WHICH SURROUND THE CEILING RUNNER AND WHICH ARE EACH SUPPORTED FROM THE STRUCTURE ABOVE BY 12 GA. WIRE. SPRING CLIPS OR CLAMPS THAT CONNECT ONLY TO THE RUNNER ARE NOT ACCEPTABLE. PROVIDE ADDITIONAL SUPPORTS WHEN LIGHT FIXTURE ARE 8 FEET OF LONGER.
- SUPPORT PENDANT 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. (SEE ALSO NOTE 10). SPECIAL DETAILS ARE NECESSARY FOR THIS CONDITION AT THE CEILING GRID.
- CLASSIFICATION OF CEILING GRID: HEAVY DUTY MANUFACTURER'S CATALOG NUMBER-MAIN RUNNER #270 AS MANUFACTURED BY CHICAGO METALLIC CORP. MANUFACTURER'S CATALOG NUMBER - CROSS RUNNER #1254 OR #1274 AS MANUFACTURED BY CHICAGO METALLIC CORP.

REVISIONS: (A) INDICATES CHANGES MADE TO THIS SHEET			
NO.	DATE	REASON	BY
1	10/15/01	ADDENDUM #1	
2	10/26/01	ADDENDUM #2	
3	02/28/03	ADDENDUM #2	
4	3/17/03	CR #19	
5	5/20/03	CR #20	
ISSUE FOR PROGRESS REVIEW		01/15/01	
ISSUE FOR PLAN CHECK		01/25/01	
ISSUE FOR FINAL REVIEW		05/09/01	
ISSUE FOR BID			
ISSUE FOR CONSTRUCTION			
SEAL:			
CONSULTANT:			
ARCHITECT:			
<b>CIANFICHI</b> ARCHITECTURE + PLANNING 30 ANNE COURT WALNUT CREEK, CA 94598 TEL: (925) 256-8638 FAX: (925) 256-8652			
PROJECT:			
<b>CHILD DEVELOPMENT CENTER</b> <b>CANADA COLLEGE</b> 4200 FARM HILL BLVD. REDWOOD CITY, CA 94061 SAN MATEO COUNTY COMMUNITY COLLEGE DISTRICT			
STAMP:			
APPROVED DIV. OF THE STATE ARCHITECTURE BOARD AO: <i>AA</i> - FLS: <i>ED</i> - SC: <i>SC</i> APPL. NO. <i>103529</i> - D: <i>6-16-03</i>			
KEY PLAN:			
SHEET TITLE:			
<b>REFLECTED CEILING PLAN</b>			
DRAWN BY:		PROJECT NO.:	
GL		304.99	
CHECKED BY:		DATE:	
BA		03/17/03	
APPL. NO.:		SHEET:	
		<b>A5.0ar</b>	
DATA NO.:		NO. OF:	