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ISOLATED CEILING

DATE 10/16/01

FORM A-18305A

General Isolated Ceiling Construction Procedure from Mason ACS-102 Bulletin

Note: Please refer to project specifications or plans for exact requirements.

1. Lay out ceiling support wires on 48" centers in both directions.
2. Where ducts or other mechanical interferences occur, a rigid steel trapeze can be run under the interference and a ceiling hanger hung from the trapeze to maintain the 48" centers. Where headroom does not allow for this, the steel trapeze can be installed with an isolation hanger on each end and a ceiling wire hung from the trapeze to the floating ceiling.
3. Install isolation hangers making certain that hangers are vertical and that they do not rub against pipe, duct, ceiling beams or other interferences.
4. Connect wires to lower end of hangers and proceed with steel ceiling grid construction in the normal manner. Attach the first layer of gypsum board to the ceiling steel covering the upper surface of the gypsum board with fiberglass bats as completely as possible.
5. Attach the second layer of gypsum board being certain to stagger the joints in all cases.
6. Install lightweight angles around the perimeter of the ceiling by bolting one leg to the wall and resting the 1/4" neoprene sponge on top of the horizontal leg so as to provide a support for the perimeter.
7. Caulk the perimeter.
8. When an acoustical tile ceiling is to be used below the sound barrier ceiling, continue the hanger wires to the acoustical ceiling and caulk all hanger wire penetrations where they pass through the gypsum ceiling.
9. Where mechanical equipment, pipes or ducts fall below the barrier ceiling, provide additional hangers that are not connected to the barrier ceiling for this equipment and sponge sleeves where these rods pass through the barrier ceiling. Caulk the perimeter of all sleeves.
10. Continue with the construction of the acoustical tile ceiling in the normal manner.