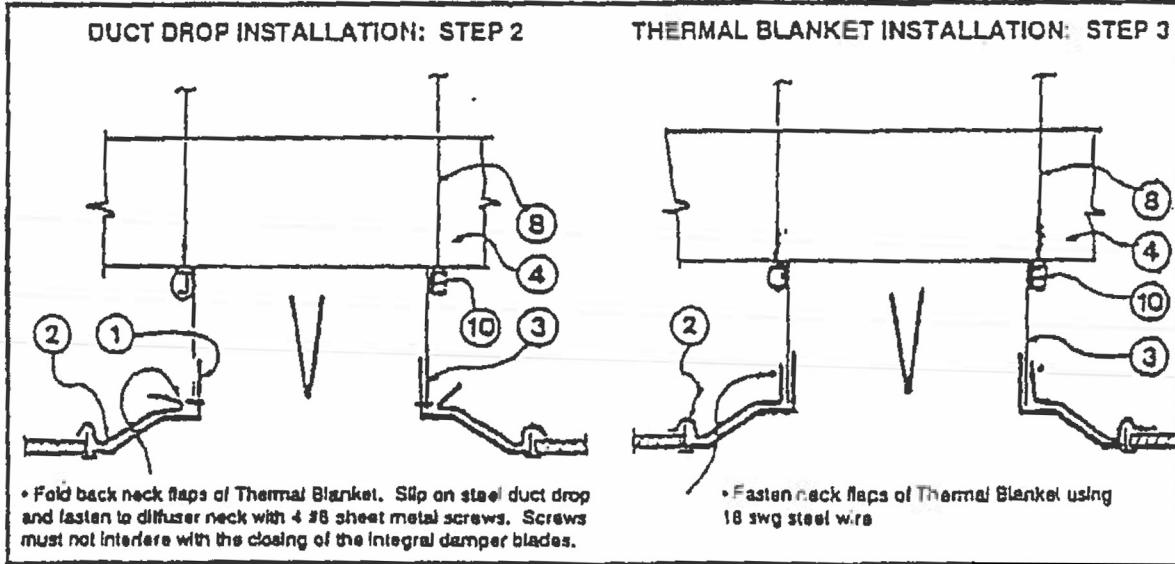
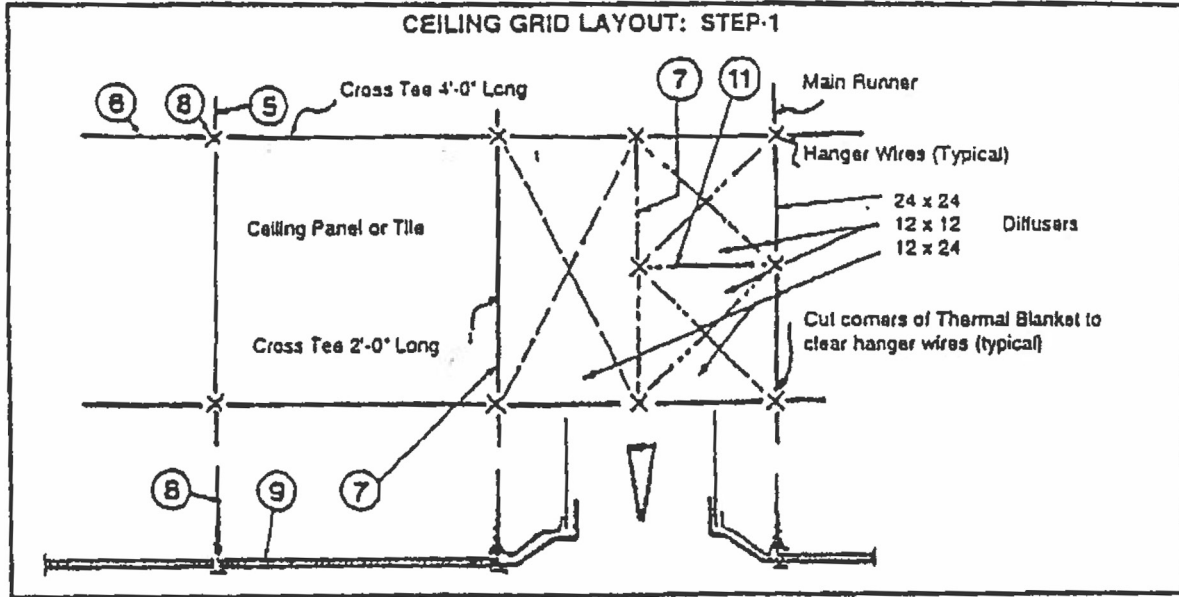




1. Follow carefully steps 1, 2, and 3 on page 2 of this document.
2. The flexible duct shall be class 0 or class 1 bearing the UL classification marking. See the UL "Gas and Oil Equipment Directory". The maximum length of the duct shall not exceed 14'-0" in length. No portion of the duct shall rest on the back surface of the ceiling panels or tiles and a minimum of 4 inches clearance must be maintained. Where the duct must be supported, use steel straps and 12 swg steel hanger wires.
3. The end tabs of the 2'-0" cross T-bar shall be bent back against the web of the 4'-0" cross T-bar. The 4'-0" cross T-bars must have slots in the web for connection of the 2'-0" cross T-bar.
4. Use 12 swg galvanized steel hanger wires to independently support the ceiling T-bars to the structural members of the floor or roof above. Ensure hanger wires are plumb and straight.
5. Maximum neck size of Ceiling Fire Rated Air Diffuser or Return is 20 inches diameter.
6. Caution should be observed so that the flexible duct does not interfere with the operation of the Integral Classified Ceiling Damper of the Ceiling Air Diffuser assembly.
7. No diffuser or return air shall be located in an adjacent 24 x 48 inch ceiling grid module.
8. Ceiling Fire Rated Diffuser or Return Air assemblies are for use in lieu of the hinged blade, sheet metal damper in steel ducts as specified in the "Design Information Section-General" and in the individual floor and roof ceiling designs being used, as illustrated and described in the current U.L. "Fire Resistance Directory".
9. Fire resistive designs must cover U.L. classified ceiling grid members with appropriate cross tee sizes and slots in cross tees.



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|--------------------------------------|----------------------|-------------------------------------|
| 1. Fire Rated Diffuser or Return Air | 5. Main T-bar runner | 9. Ceiling Panel or Tile |
| 2. Thermal Blanket | 6. 4'-0" Cross T-bar | 10. Support Channels |
| 3. Steel Duct Drop | 7. 2'-0" Cross T-bar | 11. 1'-0" Cross T-bar. (See note 9) |
| 4. Steel Duct | 8. Hanger wires | |

• CAUTION: REPLACE THERMAL BLANKET IF IT IS DAMAGED DURING SHIPPING OR INSTALLATION.