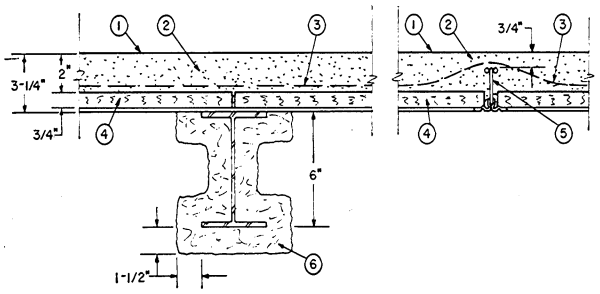
Design No. P675

Restrained Assembly Rating — 1 Hr.
Unrestrained Assembly Rating — 1 Hr.
Unrestrained Beam Rating — 1 Hr.
Load Restricted for Canadian Applications — See Guide BXUV7



Beam — W6 x 9, min size.

1. **Roof Covering* —** Consisting of hot mopped or cold application materials compatible with insulation(s) described herein which provide Class A, B or C coverings. See Roofing Materials and Systems Directory-Roof Covering Materials(TEVT).
2. **Gypsum Concrete —** Air dry density approx 53 pcf and avg compressive strength 500 psi. 2 in. min thickness above form board.
3. **Wire Mesh —** No. 19 SWG galv steel wire twisted to form hexagons with 2 in. sides. In addition, straight 16 SWG galv steel wire woven into the mesh and spaced 3 in. apart for stiffness. Mesh installed without attachment and overlapped 6 in. at the sides.
4. **Structural Cement-Fiber Units —** 24 by 36 to 96 by 2 in. or 32 by 42 to 48 by 2 in. structural cement fiber units. End joints to be butted over supports or steel cross tees. Only one cross tee may be positioned between supports.
   TECTUM INC
5. **Sub-purlins —** Type 1-5-17-2 spaced 32-3/4 in. O.C. Span between supports not to exceed 7 ft, 0 in. Sub-purlins welded to supports with 1 in. long fillet welds on each side at each support.
6. **Spray-Applied Fire Resistive Materials* —** Applied by mixing with water and spraying in several coats to a final thickness of 1-1/2 in. to beam surfaces which must be clean and free of dirt, loose scale and oil. Min avg and min ind density of 15/14 pcf respectively. Min avg and min ind density of 19/18 pcf respectively for Types 7GP and 7HD. For method of density determination see Design Information Section.
   ARABIAN VERMICULITE INDUSTRIES —Type MK-5.
   GRACE KOREA INC —Types MK-6/CBF, MK-6/ED, MK-6/HY, MK-6s, Monokote Acoustic 1.
   PYROK INC —Type LD.
   SOUTHWEST FIREPROOFING PRODUCTS CO —Types 4, 5, 5EF, 5GP, 5MD, 7GP, 7HD, 8EF, 8GP, 8MD, 9EF, 9GP, 9MD.
   W R GRACE & CO - CONN —Types MK-4, MK-5, MK-6/HY, MK-6s, Monokote Acoustic 1, RG.

6A. **Spray-Applied Fire Resistance Materials* —** As an alternate to Item 6 - Applied by mixing with water an spraying in one or more coats to a final thickness of 9/16 in. to beam surfaces which must be clean and free of dirt, loose scale and oil. Min avg and min ind density of 15 and 14 pcf, respectively. For method of density determination see Design Information Section.
   BERLIN CO LTD — Types 300, 300ES, 300N or SB.
   ISOLATEK INTERNATIONAL —Types 300, 300AC, 300ES, 300HS, 300N or SB.
   LUCKY CORE INSULATING MATERIALS
   MANUFACTURING L L C —Types 300, 300ES, 300N, or SB.
   NEWKEM PRODUCTS CORP —Types 300, 300ES, 300N or SB .

6B. **Spray-Applied Fire Resistance Materials* —** As an alternate to Item 6 and 6A - Applied by mixing with water an spraying in one or more coats to a final thickness of 9/16 in. to beam surfaces which must be clean and free of dirt, loose scale and oil. Min avg and min ind density of 17.5 and 16 pcf, respectively for Type 300TW. Min avg and min ind density of 22 and 19 pcf, respectively, for Type 400. For method of density determination see Design Information Section.
   ISOLATEK INTERNATIONAL — Types 300TW or 400.
   LUCKY CORE INSULATING MATERIALS
   MANUFACTURING L L C —Type 400.
   NEWKEM PRODUCTS CORP —Type 400.

*Bearing the UL Classification Mark