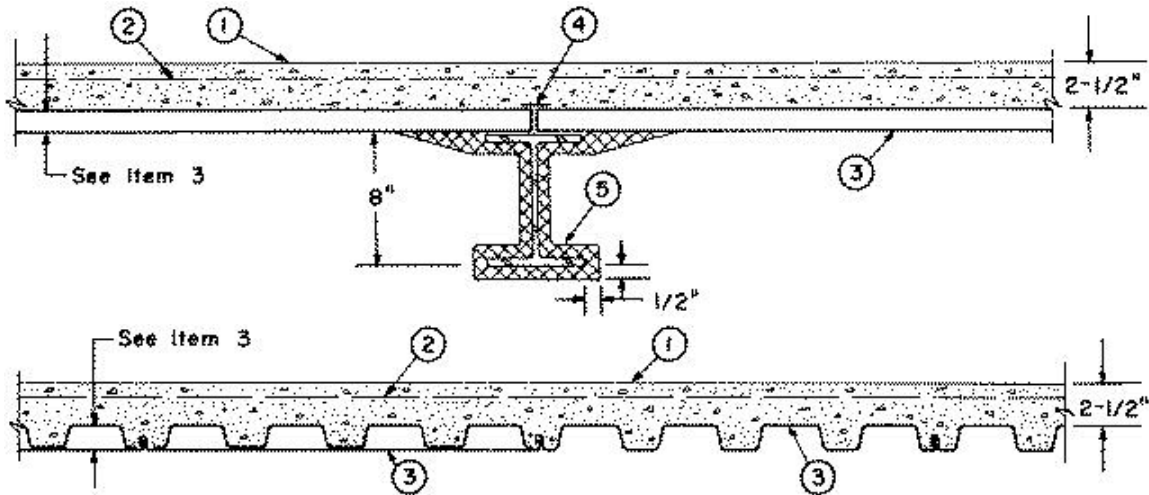


**Restrained Assembly Rating — 3/4 or 1 Hr. (See Item 7)**

**Unrestrained Assembly Rating — 0 Hr.**

**Unrestrained Beam Rating — 1 Hr.**



**Beam** — W8x28, min size.

1. **Lightweight Concrete** — Expanded shale, clay, or slate aggregate by rotary-kiln method, 110 pcf unit weight, 3500 psi compressive strength, vibrated, 4 to 7 percent entrained air.

2. **Welded Wire Fabric** — 6x6 — W1.4xW1.4.

3. **Steel Floor and Form Units\*** — Composite 1-1/2, 2 or 3 in. deep galv units. Min gauges are 22 MSG for fluted and 20/20 MSG for cellular. Fluted units may be phos/ptd. The following combinations of units may be used:

- (1) All 24 or 36 in. wide cellular;
- (2) All fluted;
- (3) One or two 3 in. deep 12 in. wide, 18/18 MSG min cellular alternating with 3 in. deep fluted or other cellular;
- (4) Any blend of fluted and 24 or 36 in. wide cellular.

**CONSOLIDATED SYSTEMS INC** — 24 or 36 in. wide Types CFD-2, CFD-3; 24, 30 or 36 in. wide Type CFD-1.5. Units may be phos/ptd.

Spacing of welds attaching units to supports shall be at each side and not to exceed 16 in. OC between sides. Unless noted otherwise, adjacent units button-punched or welded together 36 in. OC along side joints.

**Alternate Construction** — Noncomposite units of the same type listed above may be used provided allowable loading is calculated on the basis of noncomposite design.

When a superimposed load of 250 PSF is desired the spacing of welds or button-punches shall not exceed 24 in. OC along side joints.

4. **Joint Cover** — (Use with fluted units optional) 2 in. wide cloth adhesive tape applied following the contour of the steel form units.

5. **Spray-Applied Fire Resistive Materials\*** — Applied by spraying with water in one coat after surface has been wetted with water, to a final tamped or untamped thickness as shown above, to steel surfaces which are free of dirt, oil or scale. Use of adhesive is optional. Tamping is optional. Min avg untamped density is 13 pcf with a min individual untamped density of 11 pcf for Types II, or DC/F. Min avg and min ind untamped densities of 22 and 19 pcf, respectively, for Type HP. For method of density determination refer to Design Information Section.

**ISOLATEK INTERNATIONAL** — Type D-C/F, HP or Type II, Type EBS or Type X adhesive. Type E.B.S. adhesive may also be used as a surface sealer.

6. **Shear Connector Studs — Optional** — (Not Shown) — Studs, 3/4 in. diam, by 3 in. long for 1-1/2 in. deep form units to 5-1/4 in. deep for 3 in. units, headed type or equivalent per AISC specifications. Welded to top flange of beam through form units.

7. **Electrical Inserts** — (Not shown) Classified as "**Outlet Boxes and Fittings Classified for Fire Resistance.**"

**Restrained Assembly rating is 3/4 hr. with Tapmate II-FS-1 and 1 hr with Tapmate II-FS-2 inserts.**

Installed over factory-punched holes in QL-WKX steel floor units per accompanying installation instructions. Spacing shall not be more than one insert in each 14 sq ft. of floor area with spacing along floor units not less than 48 in. OC. The holes cut in insert cover for passage of wires shall be no more than 1/8 in larger diam. than wire.

**H H ROBERTSON** — Tapmate II-FS-1, II-FS-2; Series KEB.

\*Bearing the UL Classification Mark

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