CAFCO® FENDOLITE® M-II

Floor w/ Concrete & Steel Deck

1-½", 2", or 3" Fluted or Cellular Steel Deck

Protected

2" NW/LW Concrete Topping

Assembly Beam Joist

ASD

**

LRFD

**

Assembly Beam Joist

**

Unprotected

2-⅝" NW/LW Concrete Topping

Assembly Beam Joist

ASD

**

LRFD

**

Assembly Beam Joist

**

Unprotected

9/16", 1" or 1-5/8" Corrugated Steel Deck

9/16" or 1" Protected

Concrete Slab

Concrete "T's"

Poured In Place

NW Concrete

Assembly Beam Joist

ASD

J809

N759

N761

N/A

LRFD

N743

N792

LW Concrete

Assembly Beam Joist

ASD

**

LRFD

N759

N761

NW Concrete

Assembly Beam Joist

ASD

**

LRFD

N759

N761

NW Concrete

Assembly Beam Joist

ASD

**

LRFD

N759

N761

LW Concrete

Assembly Beam Joist

ASD

**

LRFD

N759

N761

Concrete "T's"

NW

Assembly Beam Joist

ASD

**

LRFD

**

Contact Isolatek Technical

ASD = Allowable Strength Design (may be load limited), LRFD = Load and Resistance Factor Design (not load limited)

1 Refer to Design concrete tables to determine eligibility

2 Except for use in Canada, use only for 1.5+ hr. Restrained Assemblies / Restrained beams and with all joists. Otherwise for all 1 hr ratings and all Unrestrained Assemblies / Beams, refer to ‘ASD’ Designs

3 Refer to N759 unrestrained beam thicknesses for possible thickness reductions, which may be used in lieu of 1.5, 2, 3 or 4 hour restrained thickness

4 Refer to Assembly

N/A = Not Available
CAFCO® FENDOLITE® M-II

**Roof-Ceiling with Steel Deck**

- **Steel Deck w/ Steel Deck (Protected)**
  - **Gyp Board**
    - Polystyrene
      - ASD Assembly
        - Beam
          - P819, P826
        - Joist
          - S720, S723
    - Polyurethane
      - S720, S723
    - Polysocyanurate or MF Board
      - P819
      - S720, S723
      - S751

- **No Gyp Board**
  - Polysocyanurate or MF Board
    - P819
    - S720, S723
    - S751

- **Steel Deck w/ LWI Concrete (Unprotected)**
  - **No Insulation**
    - N/A
  - **w/ Insulation**
    - Polyisocyanurate or MF Board
      - P908
      - S720, S723
      - S751
    - N/A
    - N/A

**Columns**

- **Wide Flange**
  - X764

- **Hollow**
  - X768

**Walls**

- **Steel Studs**
  - N/A

- **Wood Studs**
  - N/A

- **Corrugated Panels**
  - N/A

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2 Refer to Assembly. You may be able to obtain most efficient thickness on beams and joists in the Assembly.

** Contact Isolatek Technical