CAFCO® 300 and CAFCO® 400 Series

Floor w/ Concrete & Steel Deck

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

Protected

2" NW/LW Concrete Topping

ASD

Assembly

Beam

Joist

D859

N/A

N/A

2.5" NW/LW Concrete Topping

ASD

Assembly

Beam

Joist

D759

N759

N761

LRFD

Assembly

Beam

Joist

N/A

N/A

N/A

Unprotected

2.5" NW/LW Concrete Topping

LRFD

Assembly

Beam

Joist

D799

N743

N792

Unprotected

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

1-5/8" Unprotected

N/A

N/A

N/A

Concrete Slab

Poured In Place

Precast / Hollowcore

Concrete "T's"

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

1Refer to Design concrete tables to determine eligibility

2Except 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

3Refer 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

4Refer to Assembly

**Contact Isolatek Technical

N/A = Not Available
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Steel Deck w/ Steel Deck
- Gypsum Board
  - Polystyrene
    - P825
    - S721, S729
  - Polyurethane
    - P719, P826
    - S721, S729
  - Polyisocyanurate or MF Board
    - P719
    - S721, S729
    - Polyisocyanurate or MF Board
      - P723
      - S721, S729
      - Polyisocyanurate or MF Board
        - P908
        - S729
        - No Insulation
          - N/A

Steel Deck w/ LWI (Unprotected)
- No Insulation
  - N/A
- Insulation
  - N/A

ASD Assembly
- Beam
  - P825
  - S721, S729
  - P719, P826
  - S721, S729
  - P719, P826
  - S751

LRFD Assembly
- Beam
  - P825
  - S721, S729
  - P719
  - S721, S729
  - P719
  - S751

Columns
- Wide Flange
  - X790

Walls
- Steel Studs
  - N/A
- Wood Studs
  - U357
- Corrugated Panels
  - U706

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2Refer to Assembly
3CAFCO 304/404
**Contact Isolatek Technical

Note: N/A = Not Available