

ISOLATEK

INTERNATIONAL

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TO: CAFCO® SALES TEAM

FROM: Phil Mancuso

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SUBJECT: Revisions to Designs G705 and G801

A revision has been made to our Underwriters Laboratories, Inc. (UL) Designs G705 and G801.

Initially, Designs G705 and G801, which include minimum 9/16 inch corrugated metal deck were only able to maintain up to a 3 hr. restrained assembly and 2 hr. unrestrained assembly and beam ratings.

Both of the above mentioned designs have been revised to include 3 hr. unrestrained assembly and beam ratings. Steel joist thicknesses remain unchanged and will require beam substitution from the respective "N-Series" Designs (N761 or N826).

The new tables for Designs G705 and G801 are as follows:

Design G705:

| Restrained Assembly Rating, Hr | Unrestrained Assembly & Beam Rating, Hr | Min Thkns, In. Deck | Min Thkns, In. Joist (Item 4, 4B, 4C) | Min Thkns, In. Joist (Item 4A) | Min Thkns, In. Joist (Item 4D) Normal Weight Concrete | Min Thkns, In. Joist (Item D) Lightweight Concrete | Min Thkns, In. Beam (Item E) |
|--------------------------------|---|---------------------|---------------------------------------|--------------------------------|---|--|------------------------------|
| 1 | 1 | 1/2 | 1-1/2 | 9/16+ | 1+ | 1-1/8+ | 5/16 |
| 1-1/2 | 1 | 1/2 | 1-1/2 | 1 | 1-9/16 | 1-3/4 | 5/16 |
| 2 | 1 | 1/2 | 1-1/2 | 1-3/8 | 2-1/16 | 2-1/4 | 5/16 |
| 2 | 1-1/2 | 1/2 | 1-1/2 | 1-3/8 | 2-1/16 | 2-1/4 | 1/2 |
| 2 | 2 | 1/2 | 1-1/2 | 1-3/8 | 2-1/16 | 2-1/4 | 11/16 |
| 3 | 2 | 1/2 | 1-1/2 | 2-1/4 | — | — | 11/16 |
| 3 | 3 | 1 | 2-1/4 | 2-1/4 | — | — | 1-1/16 |

Item 4 = min. 16k6 Steel Joist

Item 4A = min. 12k5 Steel Joist

Item 4D = min. 8k1 Steel Joist

Item 4E = min. W8x28 steel beam

Design G801:

| Restrained Assembly Rating Hr | Unrestrained Assembly & Unrestrained Beam Rating | Min Thkns In. | | | | | |
|-------------------------------|--|---------------|-------|-----------------|--------------------------------|------------------------------|---------|
| | | Deck | Beam | Item 1A, 1B, 1C | Item 1D Normal Weight Concrete | Item 1D Lightweight Concrete | Item 1E |
| 1 | 1 | 1/2 | 7/16 | 1-1/8+ | 1++ | 1-1/8++ | 1-11/16 |
| 1-1/2 | 1 | 1/2 | 7/16 | 1-1/2 | 1-9/16 | 1-3/4 | 2-1/16 |
| 2 | 1 | 1/2 | 7/16 | 1-1/2 | 2-1/16 | 2-1/4 | 2-1/16 |
| 2 | 1-1/2 | 1/2 | 3/4 | 1-1/2 | 2-1/16 | 2-1/4 | 2-1/16 |
| 2 | 2 | 1/2 | 3/4 | 1-1/2 | 2-1/16 | 2-1/4 | 2-1/16 |
| 3 | 2 | 1/2 | 1-1/8 | 1-1/2 | — | — | 3-1/4 |
| 3 | 3 | 1-1/8 | 1-5/8 | 3-1/4 | — | — | 3-1/4 |

Beam = min. W8x24 steel beam

Item 1A = min. 16k6 Steel Joist

Item 1D = min. 8k1 Steel Joist

Refer to Designs G705 and G801 for additional design criteria.

The above change is now in affect and can be viewed on the UL web site, www.UL.com.

Should you have any questions, please contact the Technical Department at 1-800-631-9600.