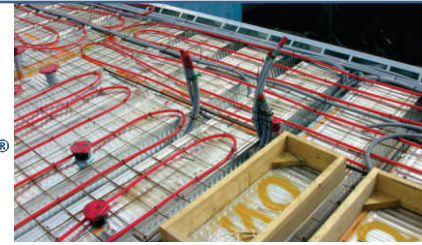
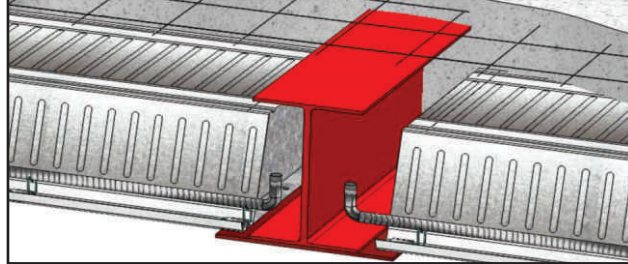


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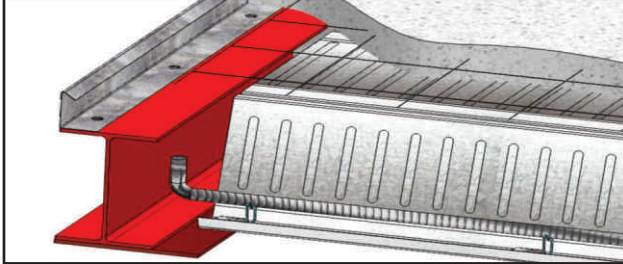


**ComSlab® DESIGN VERSATILITY**

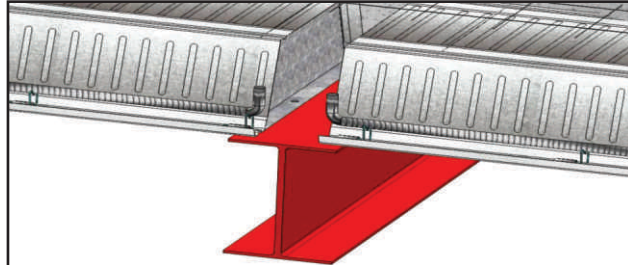
Structural Steel Inside Beam with Bottom Plate



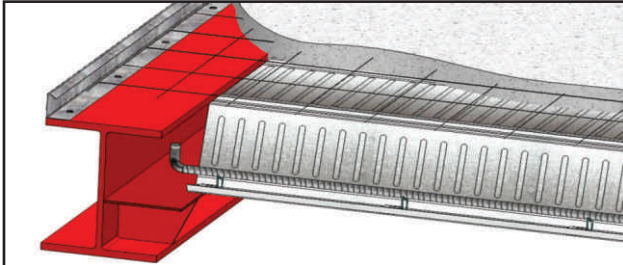
Structural Steel Edge Beam with Bottom Plate



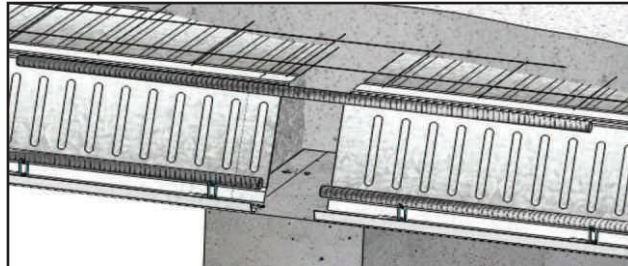
Structural Steel Beam



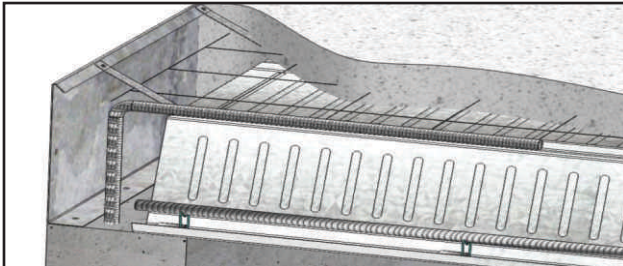
Structural Steel Edge Beam with Gusset Plate



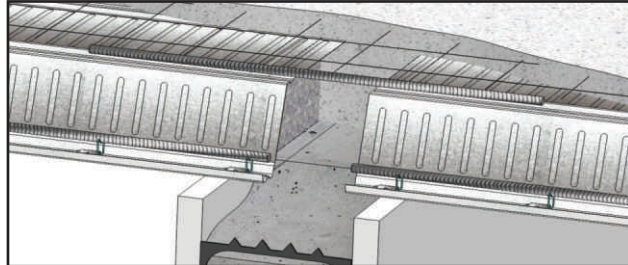
Concrete Inside Wall



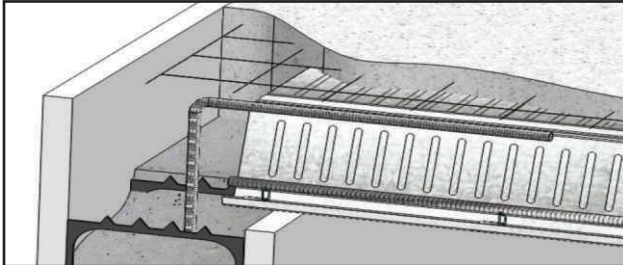
Concrete Outside Wall



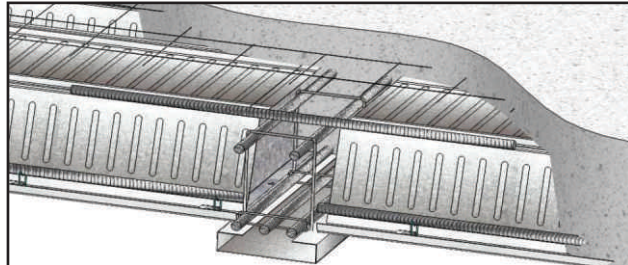
Insulated Concrete Form Inside Wall



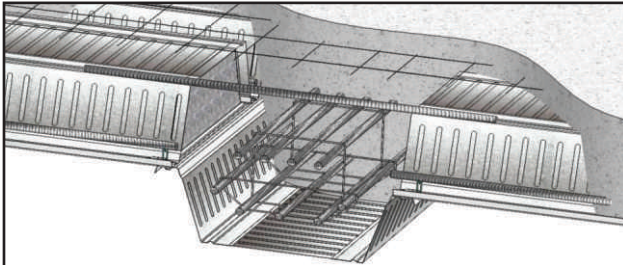
Insulated Concrete Form Edge Wall



Coldform Steel Beam



Inverted ComSlab® Beam



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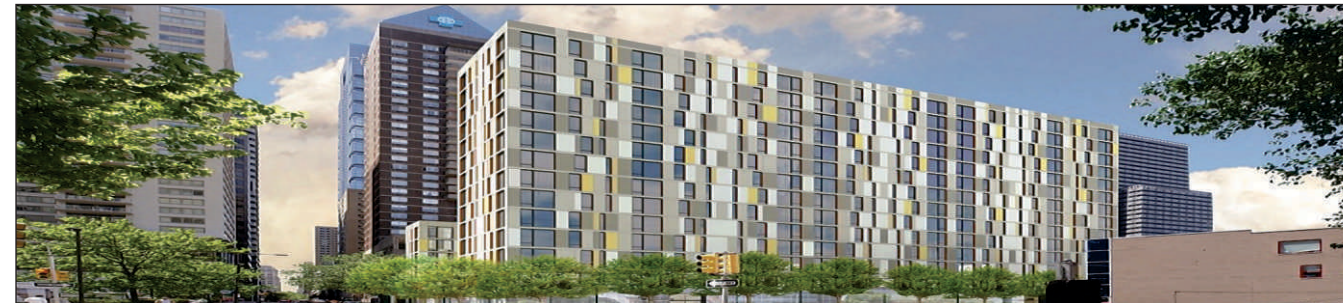
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**ComSlab® Projects**



Hospitality - The Ritz Carlton, Aruba, Dutch Caribbean



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# COMSLAB®



## ComSlab® SPAN TABLES

### SINGLE SPAN IN METRES (m)

DESIGN LOADS (LL 2 kPa + SUPERIMPOSED DL 1.2 kPa)

Rebar Size (mm)	Total Slab Thickness (mm)							
	0.953 mm Deck				1.257 mm Deck			
	270	280	290	300	270	280	290	300
8	6.5	6.6	6.6	6.6	7.4	7.5	7.6	7.6
10	6.8	6.8	6.8	6.8	7.6	7.6	7.8	7.8
12	7.0	7.0	7.2	7.2	7.8	8.0	8.0	8.0
14	7.4	7.4	7.5	7.5	8.0	8.0	8.0	8.0
16	7.6	7.8	7.8	7.8	8.0	8.0	8.0	8.0
20	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
25	9.2	9.6	9.6	9.6	9.5	9.8	10.0	10.0
28	9.5	9.8	10.0	10.0	9.6	10.0	10.0	10.0
32	9.6	10.0	10.4	10.6	9.8	10.2	10.6	10.8

DESIGN LOADS (LL 3 kPa + SUPERIMPOSED DL 3.0 kPa)

Rebar Size (mm)	Total Slab Thickness (mm)							
	0.953 mm Deck				1.257 mm Deck			
	270	280	290	300	270	280	290	300
8	5.4	5.4	5.5	5.6	6.0	6.2	6.2	6.4
10	5.6	5.6	5.6	5.8	6.2	6.4	6.5	6.6
12	5.8	5.8	6.0	6.0	6.5	6.6	6.6	6.8
14	6.0	6.0	6.2	6.2	6.6	6.8	6.8	7.0
16	6.4	6.4	6.5	6.6	7.0	7.0	7.2	7.2
20	7.0	7.0	7.2	7.2	7.5	7.6	7.6	7.8
25	7.5	7.8	8.0	8.0	7.6	8.0	8.2	8.6
28	7.6	7.8	8.2	8.6	7.8	8.0	8.4	8.6
32	7.8	8.0	8.4	8.6	8.0	8.2	8.6	8.8

DESIGN LOADS (LL 3 kPa + SUPERIMPOSED DL 1.2 kPa)

Rebar Size (mm)	Total Slab Thickness (mm)							
	0.953 mm Deck				1.257 mm Deck			
	270	280	290	300	270	280	290	300
8	6.0	6.0	6.0	6.2	6.8	6.8	7.0	7.0
10	6.2	6.2	6.2	6.4	7.0	7.0	7.2	7.2
12	6.5	6.5	6.6	6.6	7.2	7.2	7.4	7.5
14	6.8	6.8	6.8	7.0	7.5	7.6	7.6	7.6
16	7.0	7.2	7.2	7.2	7.8	7.8	7.8	8.0
20	7.8	7.8	7.8	8.0	8.4	8.5	8.5	8.5
25	8.5	8.8	8.8	9.0	8.6	9.0	9.2	9.5
28	8.6	8.8	9.2	9.6	8.8	9.0	9.4	9.8
32	8.8	9.2	9.5	9.8	9.0	9.2	9.6	10.0

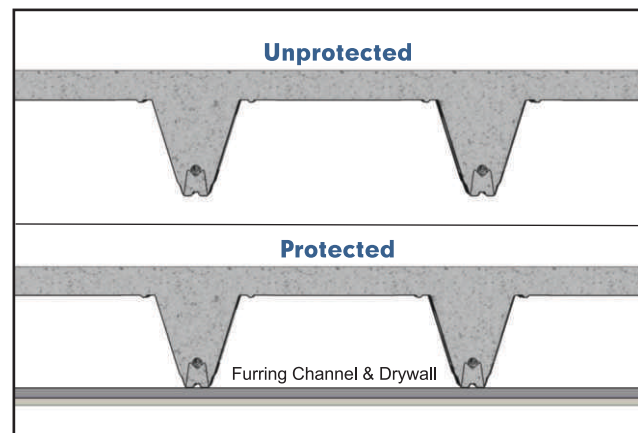
DESIGN LOADS (LL 3 kPa + SUPERIMPOSED DL 4.8 kPa)

Rebar Size (mm)	Total Slab Thickness (mm)							
	0.953 mm Deck				1.257 mm Deck			
	270	280	290	300	270	280	290	300
8	4.8	5.0	5.0	5.0	5.6	5.6	5.8	5.8
10	5.0	5.2	5.2	5.2	5.6	5.8	5.8	6.0
12	5.2	5.4	5.5	5.5	5.8	6.0	6.0	6.2
14	5.5	5.6	5.6	5.8	6.0	6.2	6.4	6.4
16	5.8	5.8	6.0	6.0	6.4	6.5	6.6	6.6
20	6.4	6.5	6.6	6.6	6.8	7.0	7.0	7.2
25	7.0	7.2	7.4	7.5	7.0	7.2	7.8	7.8
28	7.0	7.2	7.5	8.0	7.2	7.4	7.6	7.8
32	7.2	7.4	7.6	8.0	7.2	7.6	7.8	8.0

## ComSlab® REQUIRED SLAB CONCRETE VOLUME

SI UNITS	Slab Thickness (mm)	260	270	280	290	300	310	320	330
	Concrete Volume (m <sup>3</sup> /10m <sup>2</sup> )	0.971	1.07	1.17	1.27	1.37	1.47	1.57	1.67

## ComSlab® UL/ULC FIRE RATINGS



Underwriters Laboratories  
Laboratoire des Assurances



Underwriters Laboratories

Design Number	Rating HR*	Minimum Concrete Topping
ULC F909	1.0	64 mm
	1.5	90 mm
UL D930	1.0	2.50 in.
	1.5	3.50 in.

Design Number	Rating HR*	Minimum Concrete Topping
ULC D500	2.0	90 mm
UL D504	2.0	3.50 in.

\* Valid for restrained condition (no span limitation) & unrestrained condition (up to 10 m)



# COMSLAB®

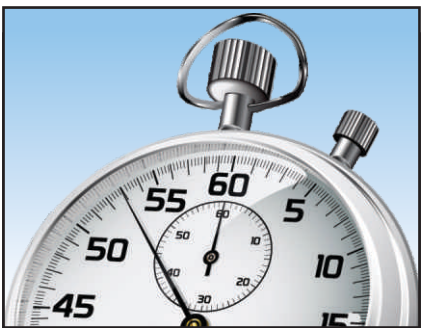


## ComSlab® BENEFITS

The ComSlab® System from Bailey is a two hour fire rated, structurally superior composite floor. It's specially designed for use in hotels, multi story residential buildings, long-term care facilities, multi family residential units, schools and/or office buildings. ComSlab® will accommodate all wall systems, including lightweight steel framing, structural steel, masonry or poured concrete, insulated concrete forms or wood framing construction. It is a proven, reliable, and cost-effective composite steel deck installed in almost 1000 buildings to date.



## BUILDING EFFICIENTLY WITH ComSlab®



### SAVES TIME!

- Fast Installation with Minimal Labour
- Nestable Panels Ship Efficiently
- Stay-in-Place Panels Improve Construction Schedule



### SAVES MONEY & MATERIALS!

- Use up to 40% Less Concrete
- Use up to 60% Less Rebar
- Significant Reduction in Temp Shoring
- Lightweight for Reduced Dead Load, Saving on Foundation and Super Structure



### WINNING PERFORMANCE!

- Long clear spans up to 10 m
- 1, 1.5 & 2 hr. UL/ULC Fire Rating
- Excellent STC 58 Acoustical Performance
- Deck profile enables services to run within system space
- Use with all structural types



# COMSLAB®



## ComSlab® INSTALLATION PROCESS

1. Fasten and align end closures to supporting structure
2. Place and fasten ComSlab® deck
3. Place perimeter trims and restraint strap
4. Rib reinforcement and mesh placement
5. Secure shoring
6. Place concrete

## ComSlab® SYSTEM COMPONENTS

