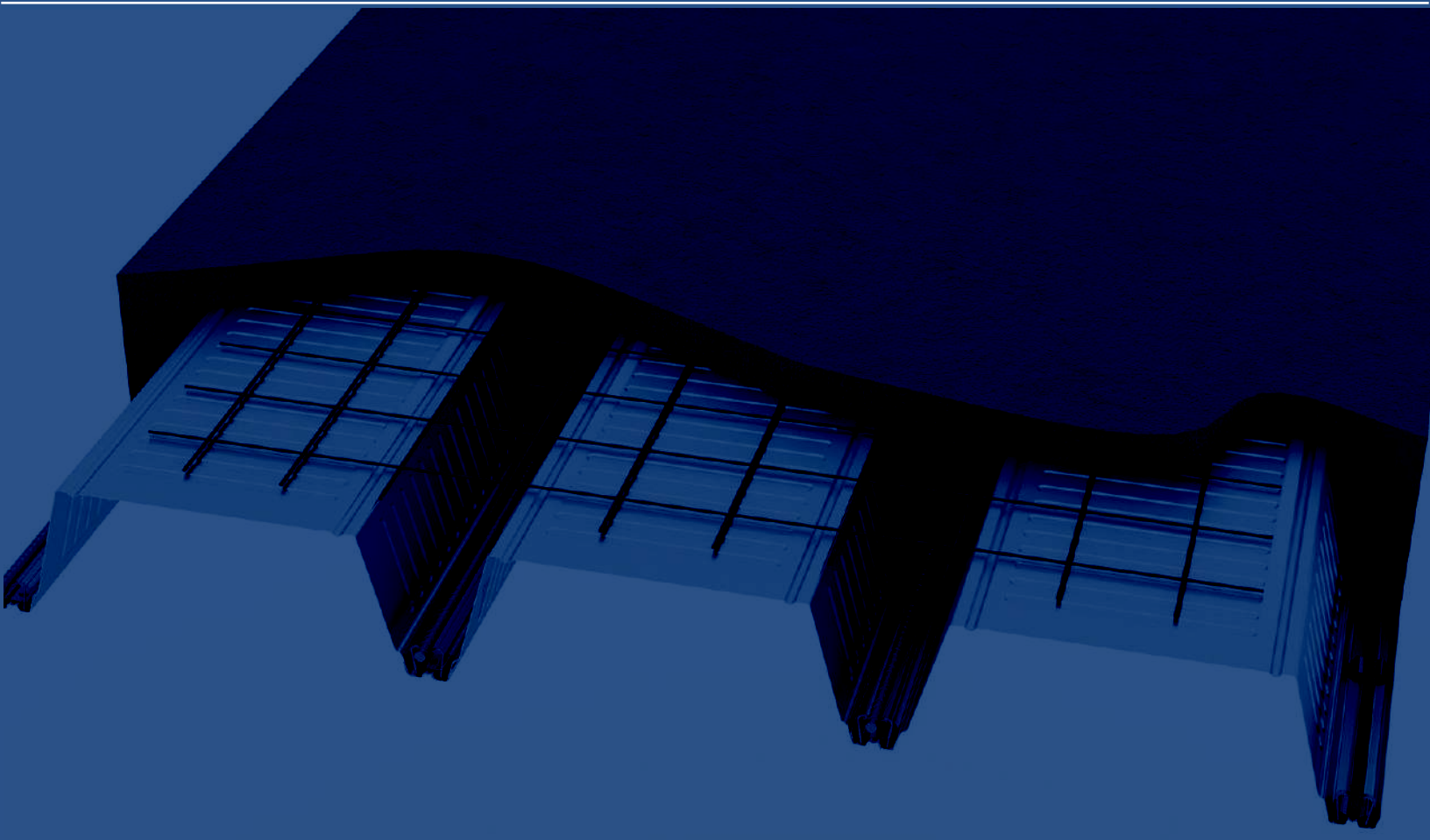
COMSLAB® LONG SPAN CONCRETE FLOOR SYSTEM


BAILEY®
METAL PRODUCTS LIMITED

THE **STRENGTH** WITHIN

COMSLAB USA

COMSLAB®
Long Span Concrete Floor System

COMSLAB® SPAN TABLES

8″ Deck	Superimposed 40 PSF + 25 PSF		
	20G		
Rebar Size	10.5 Slab Depth	10.75 LWC - SD	11.5 NWS - SD
#3	20.7	20.8	21.0
#4	22.5	22.7	22.7
#5	25.0	25.2	25.2
#6	27.4	27.6	27.1
#7	29.8	29.9	30.0
#8	32.2	32.3	32.6
#9	33.2	34.0	35.3

8″ Deck	Superimposed 100 PSF + 25 PSF		
	20G		
Rebar Size	10.5 NWC	10.75 LWC	11.5 NWC
#3	16.7	16.9	17.7
#4	18.2	18.4	19.5
#5	20.3	20.5	21.6
#6	22.1	22.3	23.8
#7	24.1	24.3	25.7
#8	26.1	26.3	27.9
#9	26.9	27.5	30.3

4.75″ Deck	Superimposed 40 PSF + 25 PSF		
	20G		
Rebar Size	7.25 Slab Depth	7.5 LWC - SD	8.25 NWC - SD
#3	17.0	18.4	18.7
#4	18.0	19.8	19.4
#5	19.0	21.4	21.6
#6	20.0	23.2	22.7
#7	21.0	24.4	24.7
#8	22.0	24.8	26.8
#9	23.0	25.2	26.3

4.75″ Deck	Superimposed 100 PSF + 15 PSF		
	20G		
Rebar Size	7.25 Slab Depth	7.5 LWC - SD	8.25 NWC - SD
#3	14.0	15.2	15.8
#4	15.0	16.6	16.9
#5	16.0	17.8	18.2
#6	17.0	19.4	19.7
#7	19.0	20.6	20.8
#8	19.0	20.8	22.4
#9	20.0	21.1	23.0

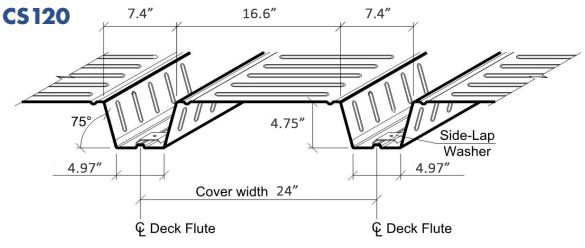
Examples of spans based on flexural capacity & live load deflection of L/360 –detailed load tables available at http://www.iapmoes.org/Documents/ER_0277.pdf . **Note:** Spans are based on instantaneous deflection.

COMSLAB® REQUIRED TOPPING SLAB THICKNESS

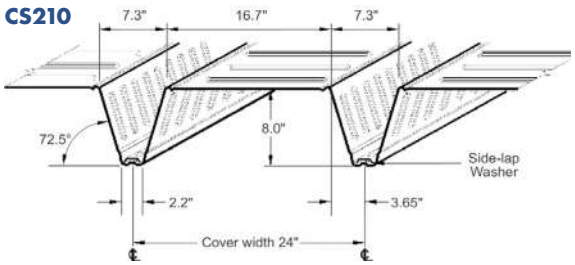
COMSLAB Concrete Volume Values for Estimating											
Imperial	Slab thickness (in.)	2.5	2.75	3	3.25	3.5	4	4.25	4.5	5	5.25
Units	Concrete Volume (yd^3 / 100 ft^2)	1.3	1.34	1.4	1.5	1.6	1.70	1.8	1.9	2.1	2.2

COMSLAB® UL/ULC FIRE RATINGS

CS120



CS210



UL D989: CS120(4.75" d.d) and CS210 (8.00" d.d)

Assembly Rating, Hourly	2	2	1
Concrete Type	NW	LW	NW OR LW
Concrete Topping, from Deck Crests, in. - Types 120, 210 and 225	3-1/2	2-3/4	2-1/2

Contact COMSLAB® USA for additional UL listings available.

Underwriters Laboratories

www.comslab-usa.com

COMSLAB®
Long Span Concrete Floor System

COMSLAB® BENEFITS

The COMSLAB® System from Bailey USA is a UL rated, structurally superior long-span composite floor. It's a project-specific designed for use in all types of multi-story buildings, long-term care facilities, office/commercial buildings, schools & hospitals. COMSLAB® will accommodate all wall systems, including cold form steel, structural steel, and masonry of all types. It is a proven, reliable and cost-effective long-span composite steel deck.

BUILDING EFFICIENTLY WITH COMSLAB®

SAVES TIME!

- Fast installation with minimal Labour
- Nestable panels ship efficiently
- Stay-in-place panels improve construction schedule
- No additional fire proofing needed

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 superior structure

WINNING PERFORMANCE!

- Long clear spans over 30 ft
- 1 & 2 hr UL Fire rating for CS120 (4.75" deck)
- 1, 2 & 3 hr UL Fire rating for CS210 (8" deck)
- Excellent STC & IIC performance
- Deck profile enables services to run within system space
- Use with all structural types

COMSLAB®
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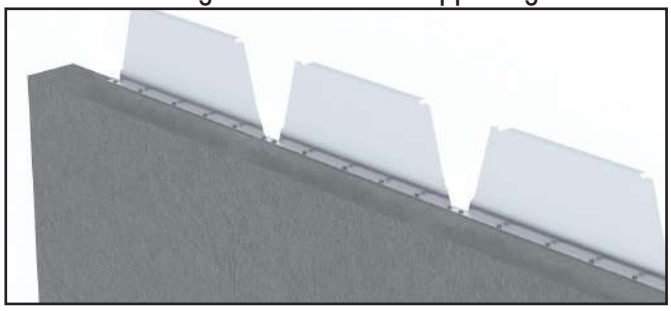
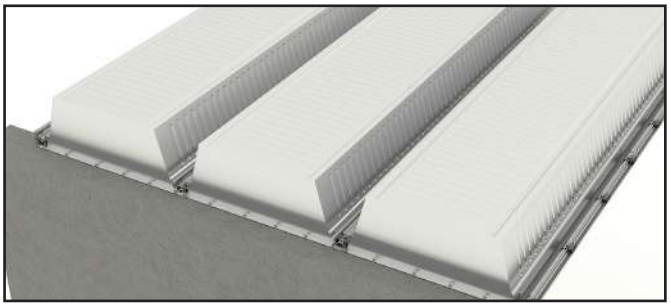
COMSLAB® INSTALLATION PROCESS

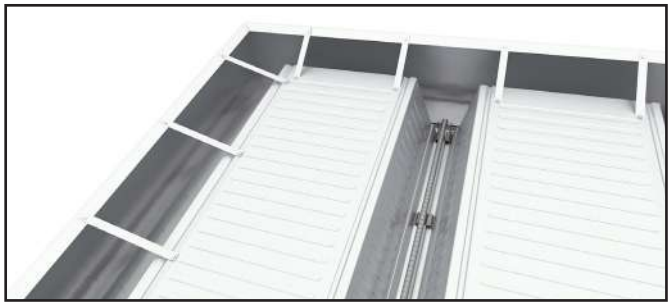
1. Fasten and align end closures to supporting structure



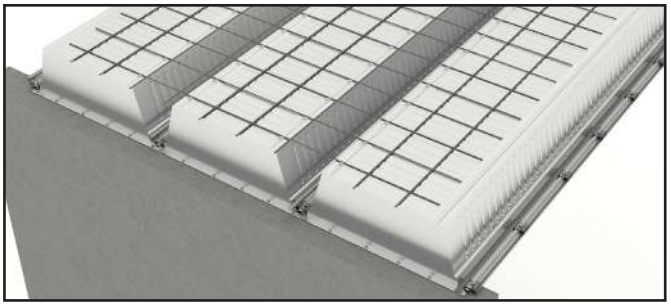
2. Place and Fasten COMSLAB® Deck



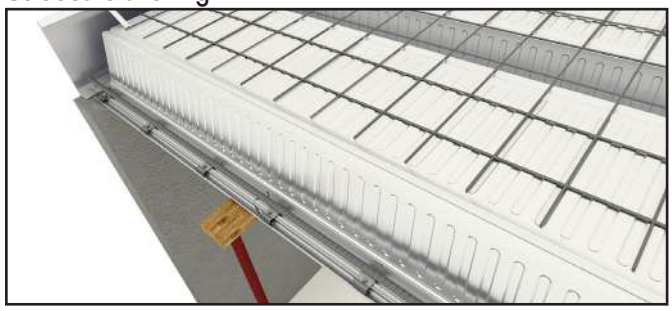
3. Place perimeter trims and restraint strap



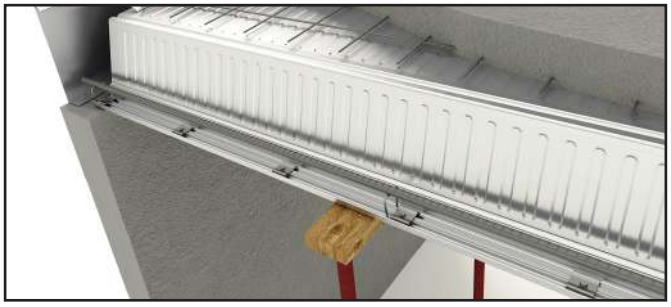
4. Rib Reinforcement and mesh placement



5. Secure shoring

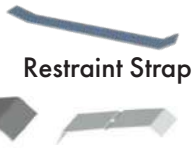


6. Place Concrete



COMSLAB® SYSTEM COMPONENTS

End Closure



Restraint Strap

Sidelap Washer

Rebar Chair

Perimeter Trims

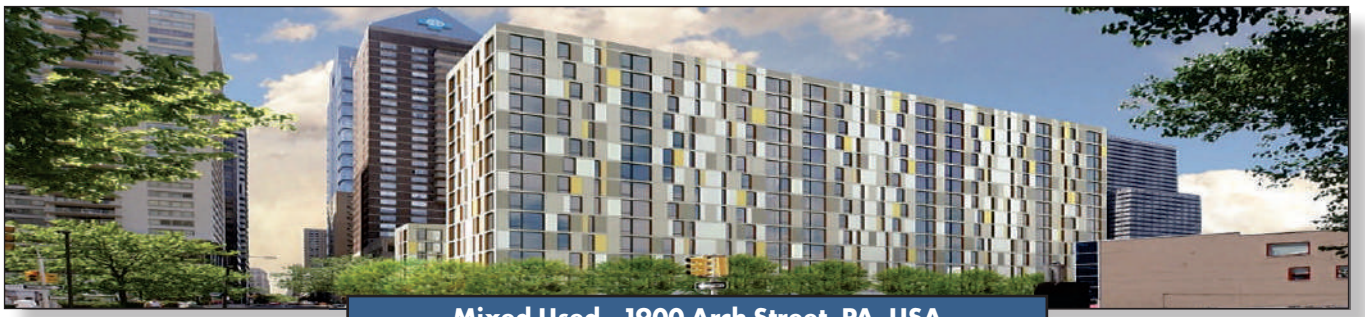
Inside Trim

Fasteners

COMSLAB®
Long Span Concrete Floor System

COMSLAB® PROJECTS

Hospitality - The Ritz Carlton, Aruba, Dutch Caribbean

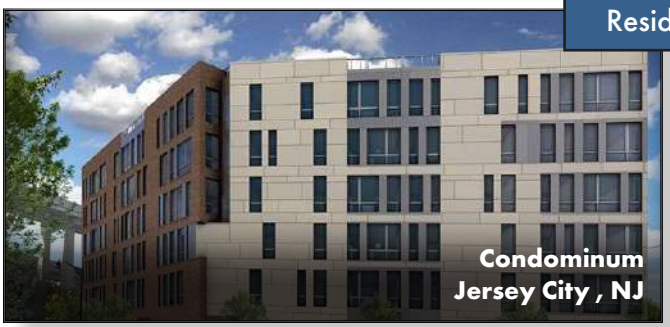


Mixed Used - 1900 Arch Street, PA, USA

The MC Hotel
Montclair, NJ

Apartment Residence
Honolulu, HI

High Rise &
Low Rise
Residential



Condominum
Jersey City , NJ

Condominum
Ville-Marie, Montréal

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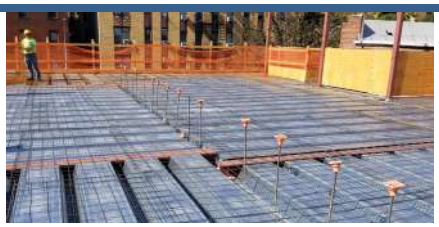

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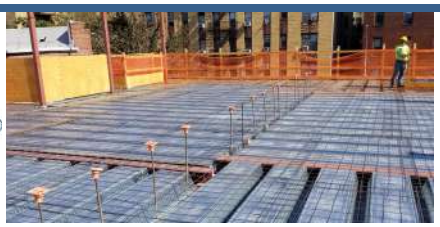
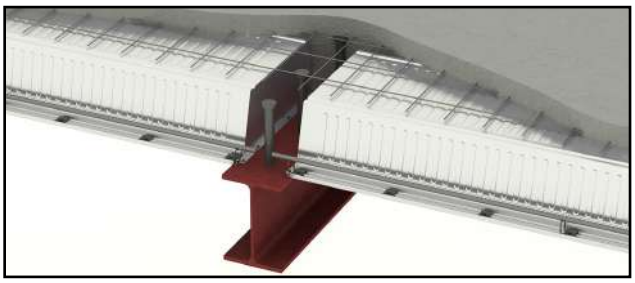
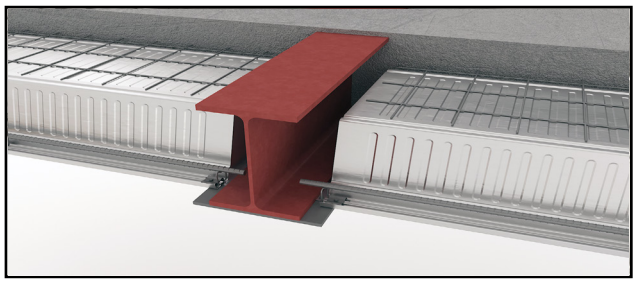


COMSLAB® DESIGN VERSATILITY

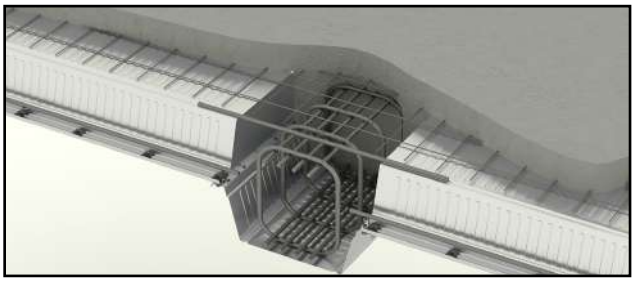
Structural Steel Beam



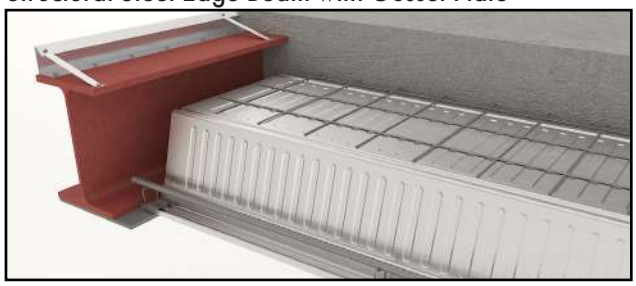
Structural Steel Inside Beam with Bottom Plate



Inverted COMSLAB® Beam

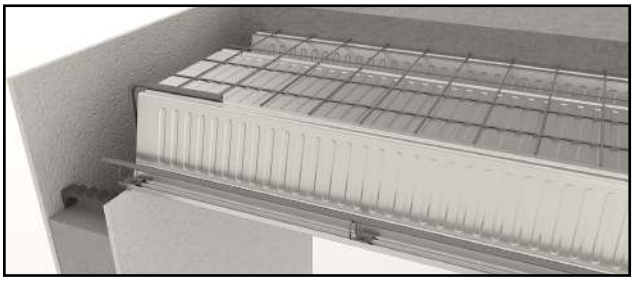


Structural Steel Edge Beam with Gusset Plate



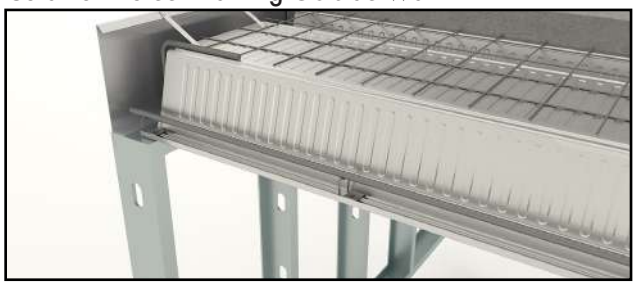
Concrete Inside Wall

Concrete Outside Wall

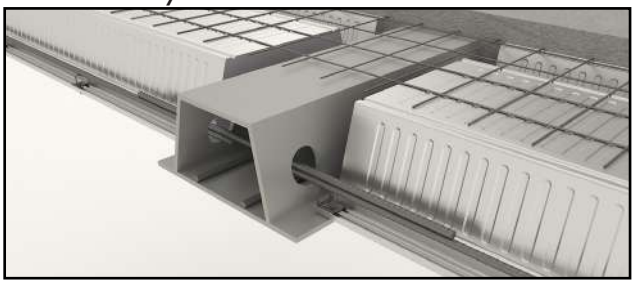


Cold Form Steel Framing Inside Wall

Cold Form Steel Framing Outside Wall



Deltabeam® by Peikko®



Versa: T beam by Diversakore®