legrand®

Wiremold

Evolution™ Series
Floor Boxes

Evolution™ Series – The Next Generation of Floor Boxes

Wiremold® Evolution™ Series Floor Boxes are the latest advancement in the most complete and innovative line of floor solutions in the industry.

In addition to a unique design that allows the same floor box to be used in multiple floor applications, high capacity and multi-functional capabilities make Evolution Series Floor Boxes ideal for areas where large capacity audio/video, power and communication services are needed. Ranging in size from 6- to 10-gangs of capacity, these boxes have completely finished interiors with removable modules that provide easy access for reconfiguring services. Evolution Series Floor Boxes are an ideal option for installations where services are constantly evolving, such as commercial offices, conference rooms, stages, and entertainment venues.

New Evolution Series Floor Boxes provide increased capacity options and a variety of innovations not available in any other floor boxes.

FEATURES & BENEFITS

■ **One box many applications.**

Evolution Series Floor Boxes are designed to work in concrete, raised and wood floor applications and are fully adjustable both pre- and post-concrete pour. A single box can be specified for multiple floor types without having to order additional components or accessories.

Raised Floors

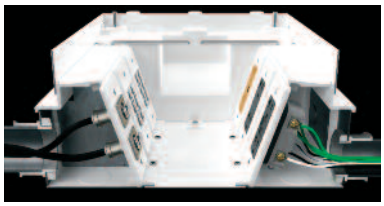
Concrete Floors

Wood Floors

■ **Configurable with removable modules.**

In addition to having removable dividers and a tunnel feature that allows all compartments to be connected, the modules are removable through the top or back of the floor box. This allows for easier installations and facilitates moves, adds and changes without having to disconnect services, saving time and money.

■ **Audio/Video Design.**



Evolution Series Floor Boxes have been developed specifically with the A/V industry in mind. With 3 1/2" - 3 7/8" [89mm x 98mm] of wiring capacity behind each device plate, these boxes will accept devices from leading A/V manufacturers including Extron® Electronics and Crestron®.

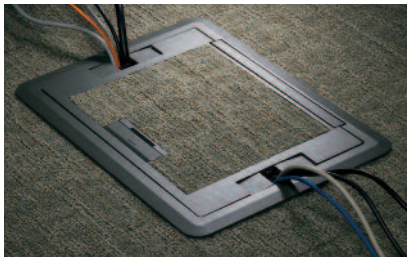
■ **Durable 180° articulating hinge.**

Hinge design enables covers to open a full 180° and lie flat on the floor surface with the durability to support a large cover. Provides easy access to all interior modules and activations while reducing tripping hazards.

FEATURES & BENEFITS (continued)

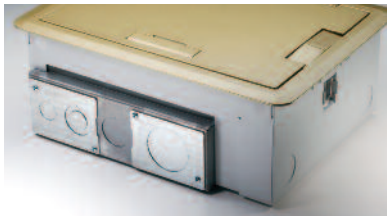
■ **Auto-close egress doors.**

Cable egress doors lock in position when open, and automatically closes around wires to protect cabling and reduce trip hazards.



■ **Multiple size knockouts.**

All Evolution Series Floor Boxes are available with multiple trade size knockouts ranging in size from 3/4" to 2" allowing for multiple activations and wiring configurations.

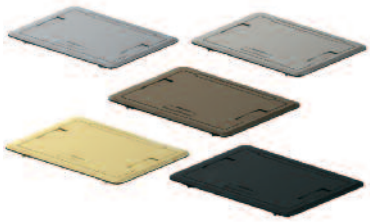


■ **Accepts standard size wall plates.**

Evolution Series Floor Boxes accept industry standard single-, double- and triple-gang wall plates from industry leading manufacturers.

■ **Die cast aluminum cover assemblies.**

Evolution Series Floor Box Covers have been designed to work on multiple floor surfaces and are manufactured from die cast aluminum to provide strength and style. Decorative powder coat colors (black, brass, bronze, gray and nickel) will complement any room décor.



■ **Finished interior.**

Fully finished interior removes the unfinished industrial look while increasing visibility, making it easier to see where to plug in devices.

■ **Cable Management.**

Allows multiple cables to be organized and controlled for easier cable egress.

■ **Large capacity.**

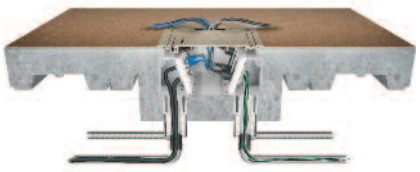
6- to 10-gangs of capacity to accommodate power, communications, and A/V devices. A minimum of 5" [127mm] of space between devices providing ample space for hand access when plugging and unplugging into the devices.

■ **Furniture Feed.**

Designed to be installed in concrete, raised and wood floors. Provides large capacity feeds (up to 2"). Trade size knockouts for power, communications and A/V devices.

■ **Fire Classified.**

Evolution Floor Box has been designed to maintain the fire rating of the floor for up to 2 hours.



■ **Bare (polished) concrete and terrazzo applications.**

Evolution Series Floor Box has been designed to be installed into bare (polished) concrete and terrazzo floors.

■ **Suitable for use in air handling spaces.**

In accordance with Sec 300-22(c) of the National Electric Code.

■ **TopGuard™ Protection.**

Evolution Series Floor Box covers meet and exceed UL scrub water exclusion requirements for tile, carpet, wood, bare concrete and terrazzo floor coverings.

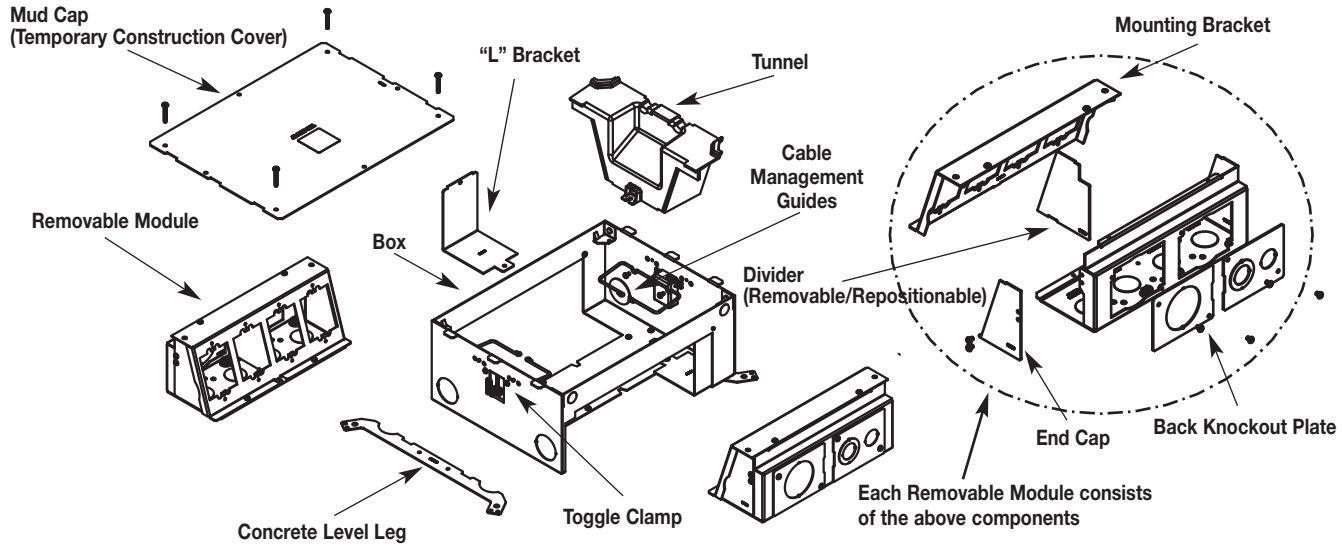
■ **Meets ADA Accessibility Guidelines.**

Trim flange is designed to meet the ADA Accessibility Guidelines as it pertains to ADA Standard 4.5, which addresses the change in floor and ground surface levels.

■ **UL Listed and Fire Classified to U.S. and Canadian safety standards.**

UL Classified to maintain the integrity of 2-hour fire rated floor structures.

Evolution Series Floor Box Included Components



Note: All items shown above are included with Evolution Series Floor Boxes.

Evolution Series Floor Box Model Selection Guide

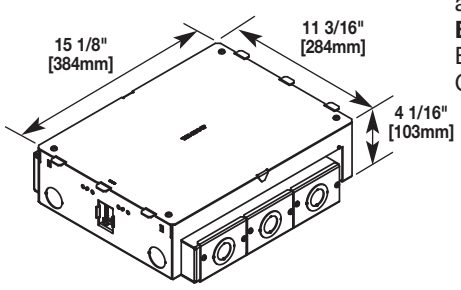
EVOLUTION FLOOR BOX MODEL	EFB6S	EFB6S-OG	EFB6S-FC	EFB8S	EFB8S-OG	EFB8S-FC	EFB10S	EFB10S-OG	EFB10S-FC	EFBFF	EFBFF-OG
INSTALL FLOOR TYPE:											
Concrete Floor	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Raised Floor	YES			YES			YES			YES	
Wood Floor	YES			YES			YES			YES	
BOX TYPE:	Standard	On-Grade	Fire Classified	Standard	On-Grade	Fire Classified	Standard	On-Grade	Fire Classified	Furniture Feed	Furniture Feed
BOX CAPACITY:	6-Gangs	6-Gangs	6-Gangs	8-Gangs	8-Gangs	8-Gangs	10-Gangs	10-Gangs	10-Gangs	2-Gangs	2-Gangs
DEPTH BEHIND PLATES:	3 7/8" [98mm]	3 7/8" [98mm]	3 7/8" [98mm]	3 1/2" [89mm]	3 1/2" [89mm]	3 1/2" [89mm]	3 1/4" [81mm]	3 1/4" [81mm]	3 1/4" [81mm]	N/A	N/A
REMOVABLE MODULES:	YES	YES	YES	YES	YES	YES	YES	YES	YES		
DEVICE PLATE SIZE:	Uses Standard Size Device Plates: Single-Gang (2 3/4" x 4 1/2") [70mm x 114mm]			Uses Standard Size Device Plates: Single-Gang (2 3/4" x 4 1/2") Double-Gang (4 9/16" x 4 1/2") Triple-Gang (6 3/8" x 4 1/2")			Uses non-standard size Device Plates (4.652" x 2.302") [117mm x 58mm]				
COVERS: COLORS:	EFB610CTC Series, EFB610BTC Series, EFB610CT Series, EFB610BT Series Black, Gray, Brass, Nickel, Bronze									FPFFTC Series Black, Gray, Brass, Nickel, Bronze, Brushed Aluminum	
FLOOR SURFACE:	Carpet, Tile, Wood, Bare (Polished) Concrete & Terrazzo										
KO SIZE RANGE: (Trade Size)	3/4" to 2"	3/4" to 1 1/4"	1 1/4"	3/4" to 2"	3/4" to 2"	1 1/4"	3/4" to 2"	1" to 2"	1 1/4"	1/2" to 2"	1/2" to 2"
FIRE RATING: (Hours)			Up to 2 Hours			Up to 2 Hours			Up to 2 Hours		
NOTES:	Covers open full 180°, Slide cable egress doors, Painted interior										

Evolution Series Floor Box Compartment Volumes

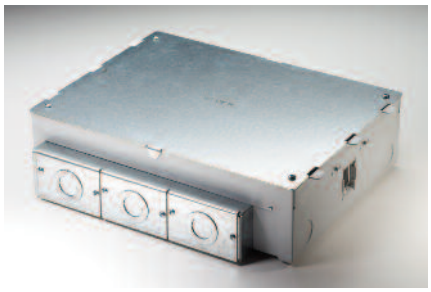
MODEL	OUTER COMPARTMENTS (Each)	CENTER COMPARTMENTS (Each)
EFB6 Series	32 in.^{3} [524ml]	38.5 in.^{3} [630ml]
EFB8 Series	27.5 in.^{3} [450ml]	34 in.^{3} [557ml]
EFB10 Series	23.5 in.^{3} [385ml]	27.5 in.^{3} [450ml]
EFBFF Series	64.5 in.^{3} [1056ml]	64.5 in.^{3} [1056ml]

Evolution Series EFB6 Floor Box Ordering Information

Catalog No./Item	Description/Specifications
EFB6S	**6-Gang Floor Box –** has been designed to be installed in concrete floors, raised floors, & wood floor applications. Box has a fully finished interior to assist plugging and unplugging of devices. Designed to work with standard size wall plates. **Box comes complete with all components needed for initial installation.** Box is compatible with Wiremold® Walkerflex Modular Wiring System. Custom options are available upon request.



NOTE: For use on bare (polished) concrete or terrazzo floors EFB610-CTR must be used. (Sold separately.)



Items not included with the box and sold separately:

- Receptacles,
- Communication Jacks
- A/V Devices
- Device plates.

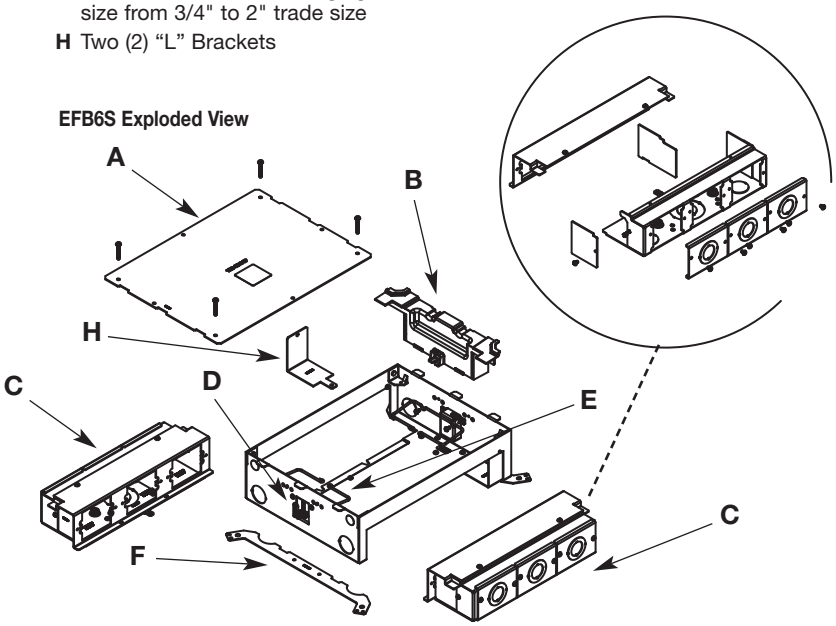
Components Included:

- **A** Protective/Disposable Cover
- **B** Tunnel System for connecting the two modules of compartments
- **C** Two (2) Removable Modules
- **D** Two (2) Toggle Clamps to secure box to raised and wood floors
- **E** Two (2) Cable Management Guides
- **F** Two (2) Leveling Support Legs for concrete applications
- **G** Trade Size Knockouts ranging in size from 3/4" to 2" trade size
- **H** Two (2) "L" Brackets

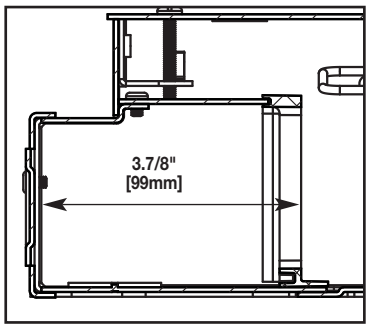
Each Module Consists of:

- One (1) EFB6S-MB Mounting Bracket
- One (1) Back Plate
- Two (2) End Caps
- One (1) EFB6S-DIV Divider
- Three (3) 3/4"/1 1/4" Concentric Knockout Plate

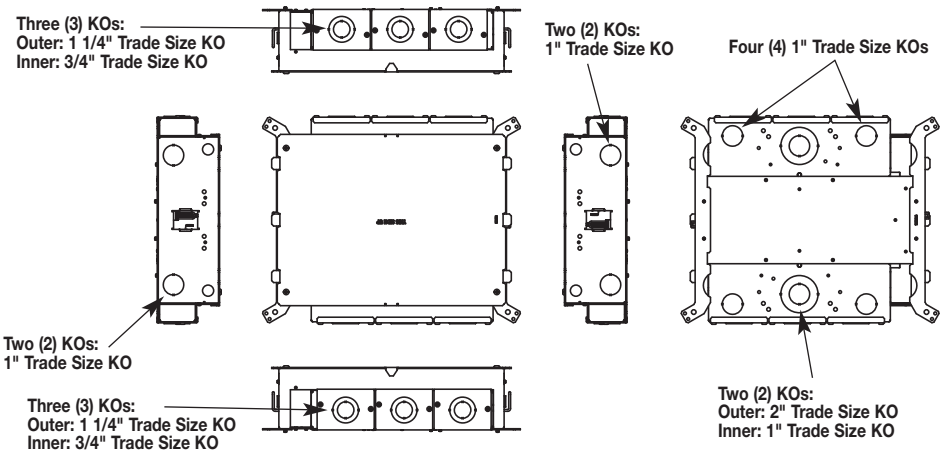
EFB6S Exploded View



EFB6S Depth Behind Plates

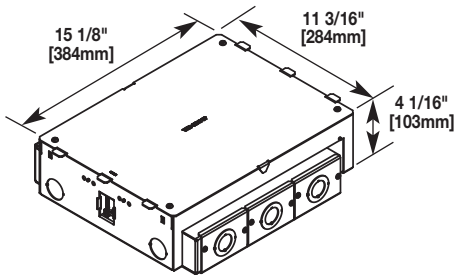


EFB6S Knockout locations & Sizes



Evolution Series EFB6 Floor Box Ordering Information

Catalog No./Item	Description/Specifications
EFB6S-OG	**6-Gang Floor Box –** has been designed to be installed in both on-grade and above grade concrete floor applications. Box has an epoxy coating that allows the box to be placed in on-grade applications without the need for additional vapor barriers. Designed to work with standard size wall plates. **Box comes complete with all components needed for initial installation.** Custom options are available upon request.



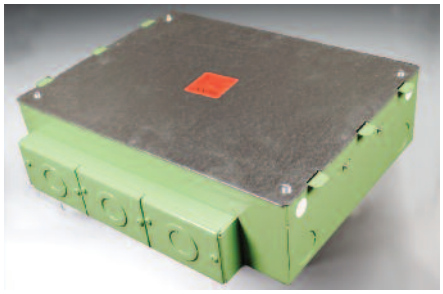
NOTE: For use on bare (polished) concrete or terrazzo floors EFB610-CTR must be used. (Sold separately.)

Components Included:

- **A** Protective/Disposable Cover
- **B** Tunnel System for connecting the two modules of compartments
- **C** Two (2) Removable Modules
- **D** Two (2) Cable Management Guides
- **E** Two (2) Leveling Support Legs for concrete applications
- **F** Trade Size Knockouts ranging in size from 3/4" to 2" trade size

Each Module Consists of:

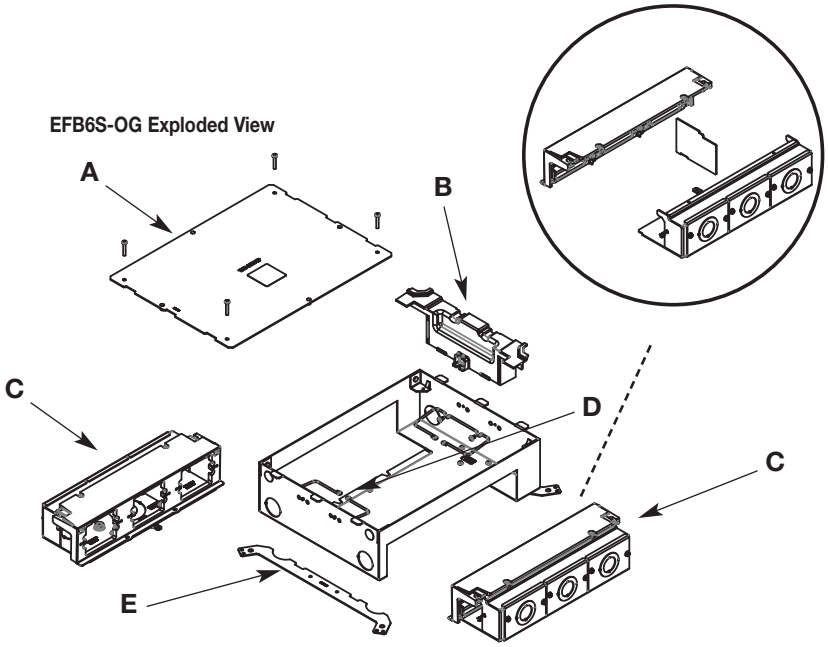
- One (1) EFB6S-MB Mounting Bracket
- One (1) Back Plate
- One (1) EFB6S-DIV Divider



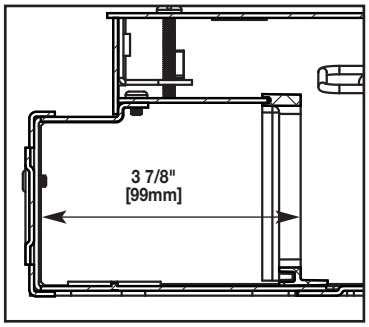
Items not included with the box and sold separately:

- Receptacles,
- Communication Jacks
- A/V Devices
- Device plates.

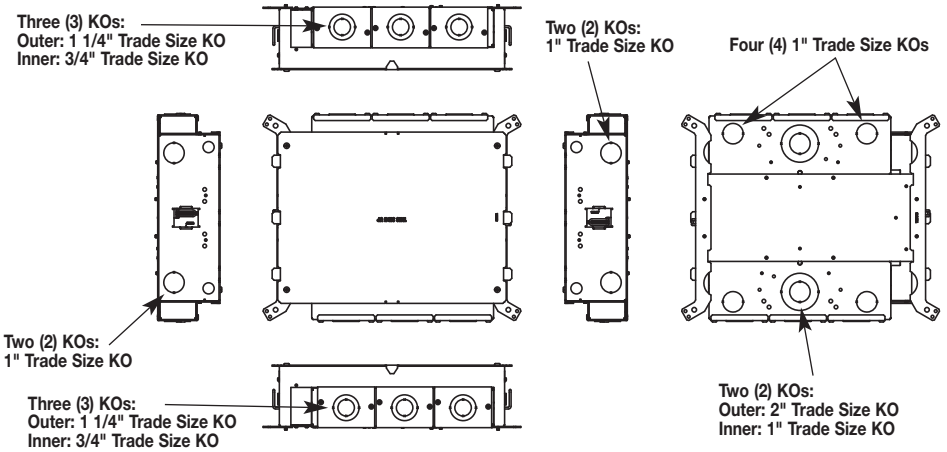
EFB6S-OG Exploded View



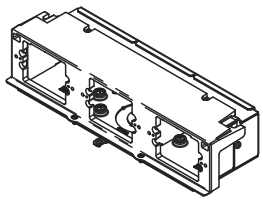
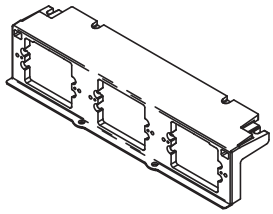
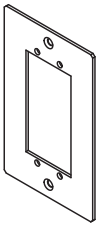
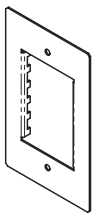
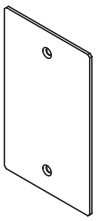
EFB6S-OG Depth Behind Plates

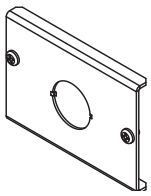
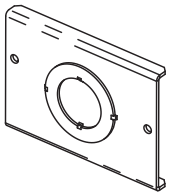
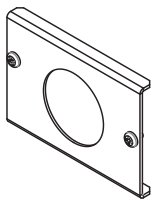
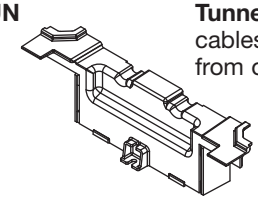
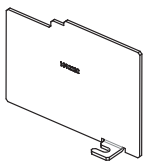
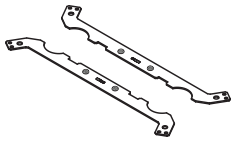
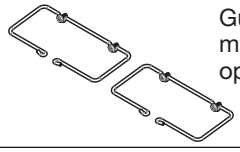
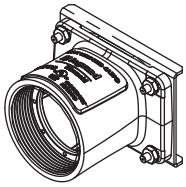


EFB6S-OG Knockout locations & Sizes

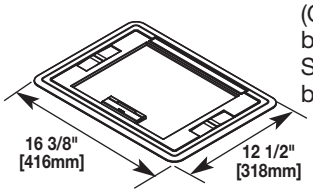
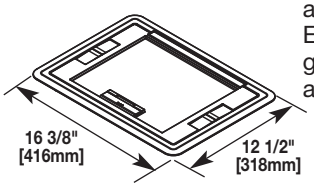
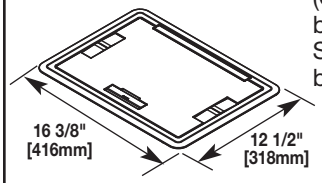


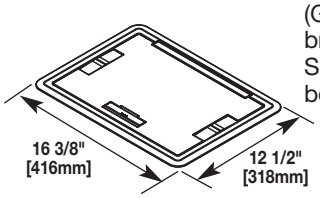
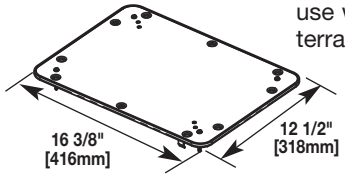
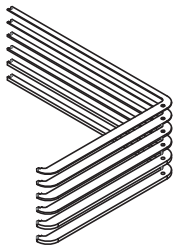
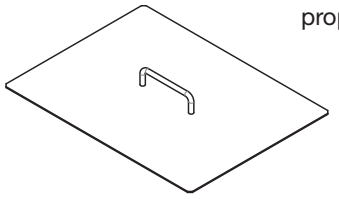
Evolution Series 6-Gang Floor Box Accessories Ordering Information

Catalog No./Item	Description/Specifications
EFB6M 	**Module –** Bank of three (3) compartments that accept power, communications and audio/video devices. Accepts standard size (2 3/4" x 4 1/2" [70mm x 114mm]) device plates. Includes device bracket, back plate, three (3) knockout plates (3/4"/1 1/4" concentric), two (2) end caps and one (1) divider. **NOTE: Module will fit on either side of the floor box.**
EFB6-MB 	**Mounting Bracket –** hold up to three (3) devices of power, communications or audio/video devices. Bracket accepts standard size (2 3/4" x 4 1/2" [70mm x 114mm]) device plates sold separately by others.
EFB-AAP 	**Device Plate –** holds 2 Extron® Electronics AAP devices. Device plate dimensions: 2 3/4" x 4 1/2" [69mm x 114mm].
EFB-MAAP	**Device Plate –** holds 4 Extron® Electronics MAAP devices. Device plate dimensions: 2 3/4" x 4 1/2" [69mm x 114mm].
EFB-MOS 	**Device Plate –** European device plate accepts up to [45mm x 67.5mm] Arteor device. Device plate dimensions: 2 3/4" x 4 1/2" [69mm x 114mm].
EFB-B 	**Blank Device Plate** – Device plate dimensions: 2 3/4" x 4 1/2" [69mm x 114mm].

Catalog No./Item	Description/Specifications
EFB6-3/4 	**Knockout Plate** – Has one (1) 3/4" trade size knockout.
EFB6-3/4-11/4 	**Knockout Plate** – Has one (1) 1 1/4" concentric trade size knockout opening.
EFB6-11/4 	**Knockout Plate** – Has one (1) 1 1/4" trade size knockout.
EFB6-TUN 	**Tunnel** – 6 gang tunnel allows for cables to be wrapped around box from one module to the other.
EFB6-DIV 	**Relocatable Divider** – Provides separation of services. Includes one (1) divider plate.
EFBCLL 	**Concrete Leveling Legs** – Provide floor box adjustment up or down to match the desired pour height of the concrete. Included two (2) leveling legs, threaded rod not supplied.
EFBCMG 	**Cable Management Guides** – Guides help organize and maintain cable position when opening and closing the cover.
EFB6S-2HUB 	**2" Conduit Hub** – Hub allows 2" conduit to be fed into the back of EFB6S and EFB6S-OG Floor Boxes. Maximum of six (6) hubs per box.

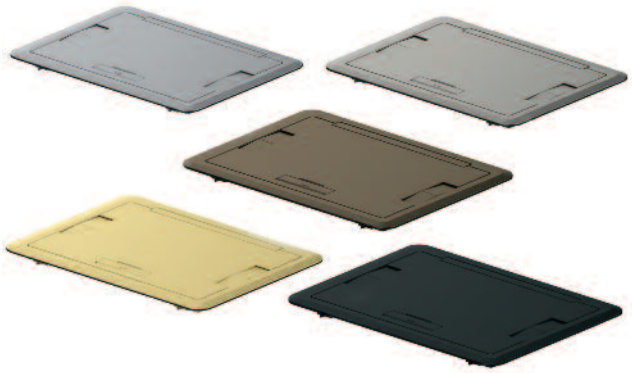
Evolution Series Floor Box Accessories Ordering Information

Catalog No./Item	Description/Specifications
EFB610CTCBK **EFB610CTCGY** **EFB610CTCBS** **EFB610CTCNK** **EFB610CTCBZ** 	**Surface Style Cover with Carpet Insert –** Die cast aluminum cover assembly designed to be used on top of the floor covering. Available in the following powder coated finishes: black (BK), gray (GY), brass (BS), nickel (NK) and bronze (BZ). For use on Evolution Series 6-, 8- and 10-gang floor boxes (EFB6, EFB8 and EFB10). **NOTE: Depth of recess area in plate is 1/4" [6.35mm].**
EFB610CTBK **EFB610CTGY** **EFB610CTBS** **EFB610CTNK** **EFB610CTBZ** 	**Flush Style Cover with Carpet Insert –** Die cast aluminum cover assembly designed to be used level (flush) with finish floor covering. Available in the following powder coated finishes: black (BK), gray (GY), brass (BS), nickel (NK) and bronze (BZ). For use on Evolution Series 6-, 8- and 10-gang floor boxes (EFB6, EFB8 and EFB10). **NOTE: Depth of recess area in plate is 1/4" [6.35mm].**
EFB610BTCBK **EFB610BTCGY** **EFB610BTCBS** **EFB610BTCNK** **EFB610BTCBZ** 	**Surface Style Cover with Solid Lid –** Die cast aluminum cover assembly designed to be used on top of floor covering. Available in the following powder coated finishes: black (BK), gray (GY), brass (BS), nickel (NK) and bronze (BZ). For use on Evolution Series 6-, 8- and 10-gang floor boxes (EFB6, EFB8 and EFB10).

Catalog No./Item	Description/Specifications
EFB610BTBK **EFB610BTGY** **EFB610BTBS** **EFB610BTNK** **EFB610BTBZ** 	**Flush Style Cover with Solid Lid –** Die cast aluminum cover assembly designed to be used on top of floor covering. Available in the following powder coated finishes: black (BK), gray (GY), brass (BS), nickel (NK) and bronze (BZ). For use on Evolution Series 6-, 8- and 10-gang floor boxes (EFB6, EFB8 and EFB10).
EFB610CTR 	**Bare Concrete/Terrazzo Trim Ring** – Nonmetallic ring for use with bare concrete and terrazzo floor applications. **NOTE: Ring must be attached to the floor box before pouring concrete or terrazzo.**
EFB610-TS 	**Tile Shim** – Used for floor coverings greater than 3/16" [4.7mm]. The EFB610-TS allows the finished cover assembly to be flush with the finished floor. Includes one (1) 1/16" [1.6mm], one (1) 1/8" [3.2mm] and one 1/4" [6.4mm] tile shims for 7/16" [11.1mm] of upward adjustment.
EFB-Template 	**Floor Box Template** – Designed to help mark out floor to insure a proper fit.

Load Capacities for Evolution Series Floor Box Cover Assemblies	
CATALOG NUMBERS	**MAXIMUM LOAD IN POUNDS**
EFB610BTC Series	1800
EFB610CTC Series	1800
EFB610BT Series	1800
EFB610CT Series	1800

NOTE: Load applied through a 3" [76mm] mandrel in center of the cover. Loads above are static loads only and do not pertain to rolling loads.



Evolution Series Floor Box Covers are available in powder coated finishes of: (L to R) gray, nickel, bronze, brass and black.

WM TAO & ASSOCIATES
CONSULTING ENGINEERS

Shop Drawing Submittal Review

Transmitted To: Cannon Design

Date: July 27, 2016

Attention: **stl-cac@cannondesign.com**

Contact Person / WTA Field Inspector: Patrick Garner

Project Name: Webster University-**ISB**

Reviewed by: Bill Shaw

Project No. WT 14127.01

☐ UPS ☐ Courier ☒ **Email**

Copies	No.	Description
1 PDF	261300E04	(Submittal No. 261300-004)
		• Floor Boxes Product Data

Remarks:

c: **Kelvin Patel**
Kpatel@cannondesign.com

☒ **Furnish as Submitted** ☐ Furnish as Noted

☐ Rejected ☐ Revise & Resubmit

☐ Reviewed ☐

Corrections or comments made on shop drawings during this review do not relieve contractor from compliance with requirements of drawings and specifications. This check is only for review of general conformance with the design concept of project and general compliance with information given in contract documents. Contractor is responsible for: confirming and correlating all quantities and dimensions; selecting fabrication processes and techniques of construction; coordinating his work with that of all other trades; and performing his work in a safe and satisfactory manner.

7955 Manchester Road, Suite 125 • St. Louis, Missouri 63143-2711 • Phone: 314-884-7600 • Fax: 314-884-7601

If enclosures are not as noted, please notify us at once.

Sara Trout (314) 884-7645

WTASHOP - Webster ISB - 26 1300-004

From: STL-CAC <STL-CAC@CANNONDESIGN.COM>
To: 'Patrick Garner' <pgarner@wmtao.com>, WTASHOP <wtashop@wmtao.com>
Date: 7/15/2016 3:46 PM
Subject: Webster ISB - 26 1300-004
Cc: "Patel, Kelvin" <kpatel@CANNONDESIGN.COM>
Attachments: 261300-004 floor boxes product data.pdf

Attached for review.

Melissa Pirtle
Construction Admin
CANNONDESIGN
1100 Clark Ave
St. Louis, Missouri 63102
T 314.425.8797 • M
cannondesign.com

CANNONDESIGN

SUBMITTAL IDENTIFICATION SHEET

To be completed by Contractor/CM

WEBSTER UNIVERSITY ISB
PROJECT NAME

8274 BIG BEND BLVD
ADDRESS

NUMBER

WEBSTER UNIVERSITY
OWNER

CANNON DESIGN
ARCHITECT / ENGINEER

DEVIN D GATES
SUBMITTED BY

261300-004
CONTRACTOR / CM SUBMITTAL NO.

CANNON DESIGN SUBMITTAL NO.

DRAWING / DETAIL REFERENCE

261300
SPECIFICATION SECTION / PARAGRAPH

Guarantee
MANUFACTURER / SUPPLIER

ITEM / PRODUCT ID

REQUIRED DATE

PRIORITY

◯ CRITICAL

ITEM BEING SUBMITTED (check only one)

- ◯ Shop Drawings
- ◯ Samples (_____ copies)
- ◯ LEED Submittal
- ◯ Certification / Qualifications
- ◉ Record Documents
- ◯ Product Data
- ◯ Coordination Drawing
- ◯ Calculations
- ◯ Schedules
- ◯ O&M Manuals
- ◯ Other _____

ITEM BEING SUBMITTED FOR (check only one)

◉ Action ◯ Information Only ◯ Record

REMARKS OR DEVIATIONS

CONTRACTOR / CM CERTIFICATION
(SUBMITTALS NOT CERTIFIED WILL BE RETURNED WITHOUT REVIEW)

PARIC

PARIC CORPORATION
SUBMITTAL STAMP

THIS SHOP DRAWING HAS BEEN REVIEWED BY PARIC CORPORATION

Subcontractor remains responsible for dimensions, quantities, coordination with other trades and compliance with contract documents.

By:
Devin D. Gates

DEVIN D GATES
REVIEWED BY

071516
DATE

To be completed by Reviewer

26 1300-004
CANNON DESIGN SUBMITTAL NUMBER

7/18/16
RECEIVED DATE

- ◯ A. No Exceptions Taken
  No further review of submittal is required.
- ◯ B. Make Corrections Noted
  Incorporate corrections in work; resubmission is not required.
- ◯ C. Revise and Resubmit
  Revise as noted, and resubmit for review.
- ◯ D. Rejected
  Submittal is not in compliance with Contract Documents; provide new submittal.
- ◯ E. For Record / Information Only
  Submittal was reviewed for Record / Information purposes only.
- ◯ F. Not Required for Review
  Submittal is not required by Contract Documents and has not been reviewed.

Review is for conformance with the design concept of this project and for general compliance with contract documents. Contractor is responsible for quantities, dimensions and compliance with contract documents and for information that pertains to fabrication processes, construction techniques and coordination of this work with all trades which will be affected thereby. This review is null and void if submittal deviates from contract documents and does not indicate or note deviations.

A/E COMMENTS ◯ See attached sheet(s) for additional comments

REVIEWED BY

DATE

77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0142

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 07/15/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

RE: Floor boxes product data

ATTN: Kelvin Patel

JOB: 15051

WE ARE SENDING:	SUBMITTED FOR:	ACTION TAKEN:
☐ Shop Drawings	☑ Approval	☑ Approved as Submitted
☐ Letter	☐ Your Use	☐ Approved as Noted
☐ Prints	☐ As Requested	☐ Returned After Loan
☐ Change Order	☐ Review and Comment	☐ Resubmit
☐ Plans		☐ Submit
☐ Samples	**SENT VIA:**	☐ Returned
☐ Specifications	☐ Attached	☐ Returned for Corrections
☑ Other:	☐ Separate Cover Via:	☐ Due Date:

Item	*Package*	*Code*	*Rev.*	*Copies*	*Date*	*Description*	*Status*
Submittal		261300-004	1			Floor boxes product data	Submitted

NOTES:

CC:

Signed: _____

Devin Gates

GUARANTEE
ELECTRICAL CONSTRUCTION

3415 Bent Avenue
St. Louis, MO 63116
Phone: (314) 772-5400
Fax: (314) 772-2526

Transmittal

To Paric Corporation

Date 7/15/16

Job Number 11317

Job Name Webster Univ. ISB Building

Attention Devin Gates

Transmittal Number 11317-008

We are sending you:

- X Attached
- ___ Under separate cover, the following:
- ___ Preliminary Drawings
- ___ Samples
- ___ Construction Drawings
- ___ Copy of Letter
- ___ Specifications
- ___ Other

Quantity	Drawing #	Date/Revision	Description
1			Submittal for Floor Boxes - Spec Section
			26 13 00

These are transmitted as checked:

- X For Your Review & Comment
- X For Approval
- ___ For Your File
- ___ As Requested
- ___ Approved As Noted
- ___ Returned For Corrections
- ___ Approved As Submitted
- ___

Copy: Transmittal Enclosure

___ ___

___ ___

___ ___

Rick Branstetter

Signed: Rick Branstetter, Project Manager

Webster University

Interdisciplinary Science Building

Webster Groves, Mo. 63119

Submittal Drawings

LeGrand/Wiremold

Floor boxes-On Grade

Floor Boxes—Fire Classified

Provided For:

Guarantee Electrical Contractors

St. Louis, Mo. 63116

Provided By:

Fishco Group

Electrical Mfg. Rep Agent

St. Louis, Mo. 63123