

Rockwell Unscripted® Creative Wall® Install Instructions

Electrical

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Rockwell Unscripted® Creative Wall® Install Instructions

Electrical

Pattern Numbers Represented:

Page

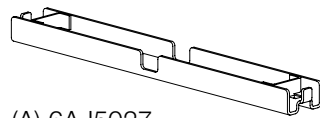
3	Unscripted Borders Electrical Harness, UBRH __
4	Unscripted Borders Electrical Duplex, UBRD __
5	Unscripted Borders Electrical Infeed, UBRI __
6	Unscripted Borders Electrical Jumper, UBRJ __
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9	Unscripted Borders Electrical Jumper Beam Tie Clips, UBRJBC
10	Unscripted Borders Electrical Wire Grommet for Frame, UBWGF
11	Unscripted Borders Electrical Outlet Cover, UBROC __

Tools Needed:

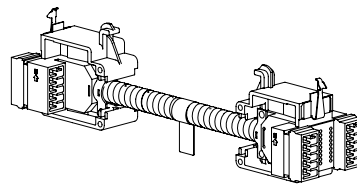
Drill
Phillips #2 and #3 Bit
5/32" Hex Bit
5/16" Socket and drive adapter
5/32" Allen Wrench

Part List: (All Patterns)

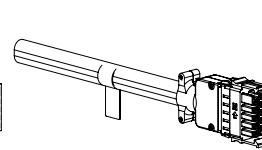
- (A) Mounting Bracket
- (B) Power Harness
- (C) Power Infeed
- (D) Jumper
- (E) Duplex Receptacle
- (F) Dust Cover
- (G) Single Bezel
- (H) Double Bezel
- (I) 1/4-20 x 1" Pan Head Screw
- (J) #10 x 3/4" Pan Head Screw
- (K) Loop Clamp
- (L) #10 x 3/4" Self-Drilling Hex Cap Screw
- (M) Connector
- (N) Cable Tie
- (O) Cable Tie Mount
- (P) 1/4-20 x 3/8" Button Head Cap Screw
- (Q) Rail Nut
- (R) Wire Grommet



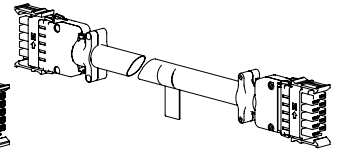
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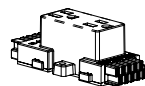
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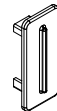
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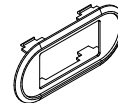
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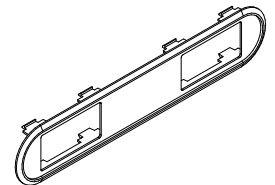
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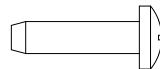
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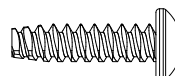
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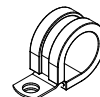
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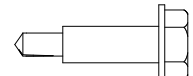
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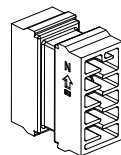
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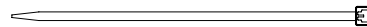
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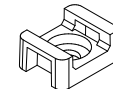
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(M) 6AJ5033



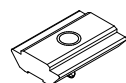
(N) 6AJ4104



(O) 6AJ4102



(P) 6AJ4103



(Q) 6AJ4024



(R) 6AJ1170

Rockwell Unscripted® Creative Wall® Install Instructions

Electrical

Note:

- **Knoll Rockwell WALL Interconnected Electrical Accessories are used solely for circuitry within a mechanically interconnected Rockwell WALL Panel & Structure Assembly.**

- Electrical consists of major components:

Harness	(Mount Duplex Receptacles to Wall Frames / Same size for all applications)
Duplex Receptacle	(Provides receptacles on outside of Vertical Surfaces / Mounts to Power Harness)
Infeed	(Brings building power into the wall system / liquid-tight, metallic, NYC, and Chicago Box)
Jumper	(Continues power from Harness to Harness / various lengths)
Connector	(Joins Jumper to Jumper)
Outlet Cover	(Shrouds Duplex receptacle holes in Vertical Surfaces / installed last)

And support components:

Jumper Frame Tie Clip	(Anchors Jumper to the Wall Frames)
Jumper Beam Tie Clip	(Anchors Jumper within the channel along the top of Beam)
Wire Grommet for Frame	(Shields edges of oblong access holes in the Wall Frame)

- Electrical and data cabling should be installed before any Vertical Surfaces are installed.
- Mounting Brackets (A) and Wire Harnesses (B) should be installed where specified first then Jumpers installed to connect power from Harness to Harness.
- Consult the specification for outlet locations and jumper routing for the configuration being installed. All installation should be done by a qualified electrician and comply with all applicable electrical codes. See page 13 for wiring diagrams.

Rockwell Unscripted® Creative Wall® Install Instructions

Electrical

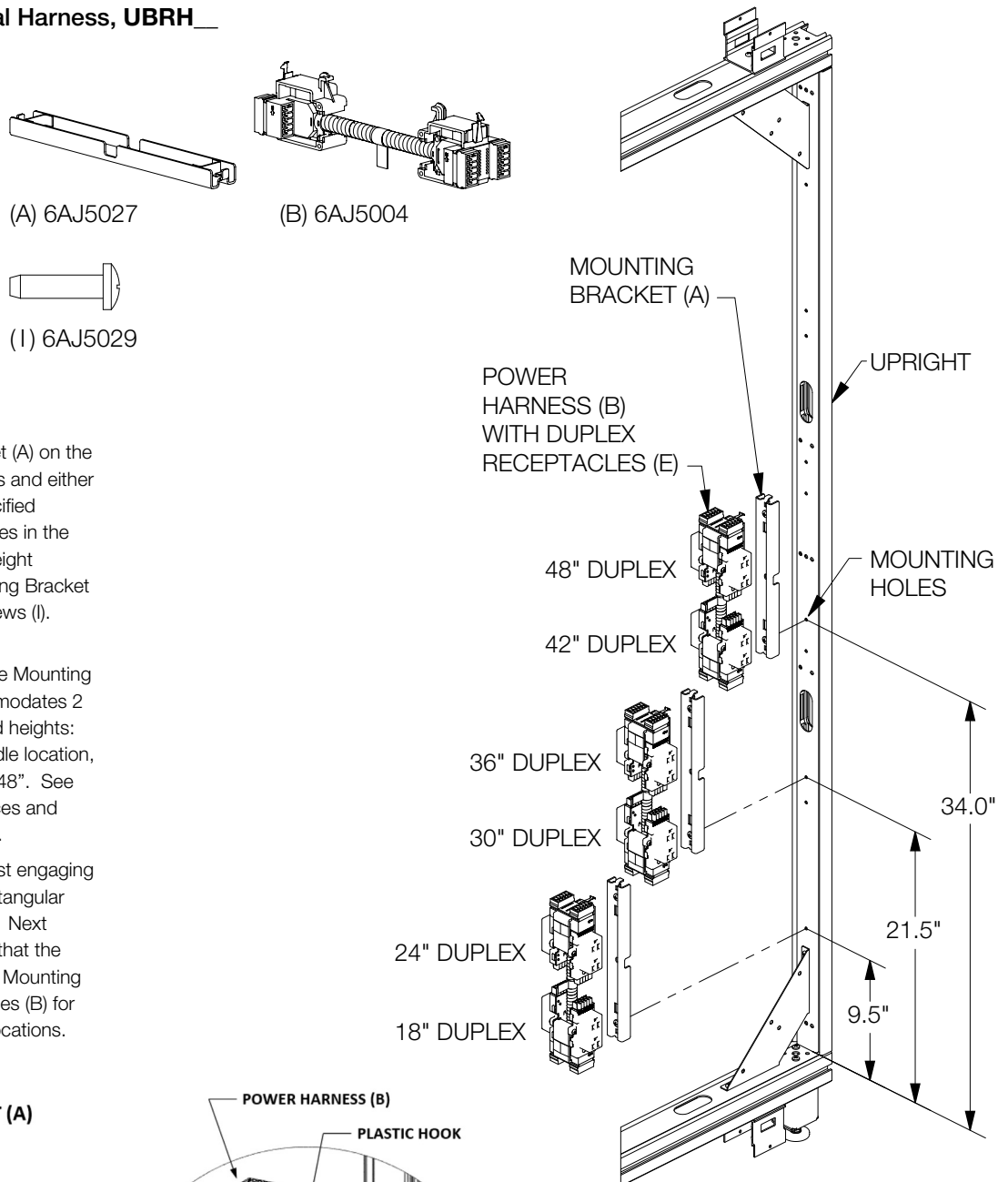
Unscripted Borders Electrical Harness, UBRH__

Part List:

- (A) Mounting Bracket
(B) Power Harness
(I) 1/4-20 x 1" Pan Head Screw

Tools Needed:

- Drill
Phillips #3 Bit

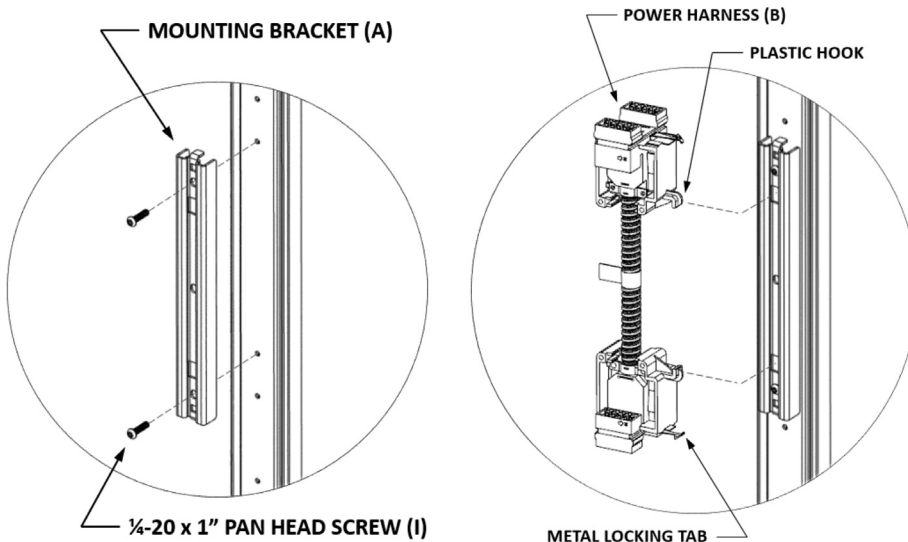


1. Install the vertical Mounting Bracket (A) on the inboard side of the 1" End-Uprights and either side of the 2" Mid-Uprights at specified locations. There are pre-drilled holes in the uprights to accommodate every height location option. Attach the Mounting Bracket with (2) 1/4-20 x 1" Pan Head Screws (I).

Note:

There are 3 vertical locations for the Mounting Bracket (A). Each location accommodates 2 Duplex Receptacles (E) at standard heights: bottom location, 18" and 24"; middle location, 30" and 36"; top location, 42" and 48". See electrical spacing on vertical surfaces and pattern number matrix on page 12.

2. Install the Power Harness (B) by first engaging the plastic hooks into the large rectangular holes in the Mounting Bracket (A). Next rotate the power harness ends so that the metal locking tabs engage into the Mounting Bracket. Install all Power Harnesses (B) for the entire station at the specified locations.



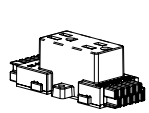
Rockwell Unscripted® Creative Wall® Install Instructions

Electrical

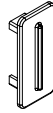
Unscripted Borders Electrical Duplex, UBRD__

Part List:

- (E) Duplex Receptacle
(F) Dust Cover
(J) #10 x 3/4" Pan Head Screw



(E) 6AJ5005



(F) 6AJ5012



(J) 6AJ4078

Tools Needed:

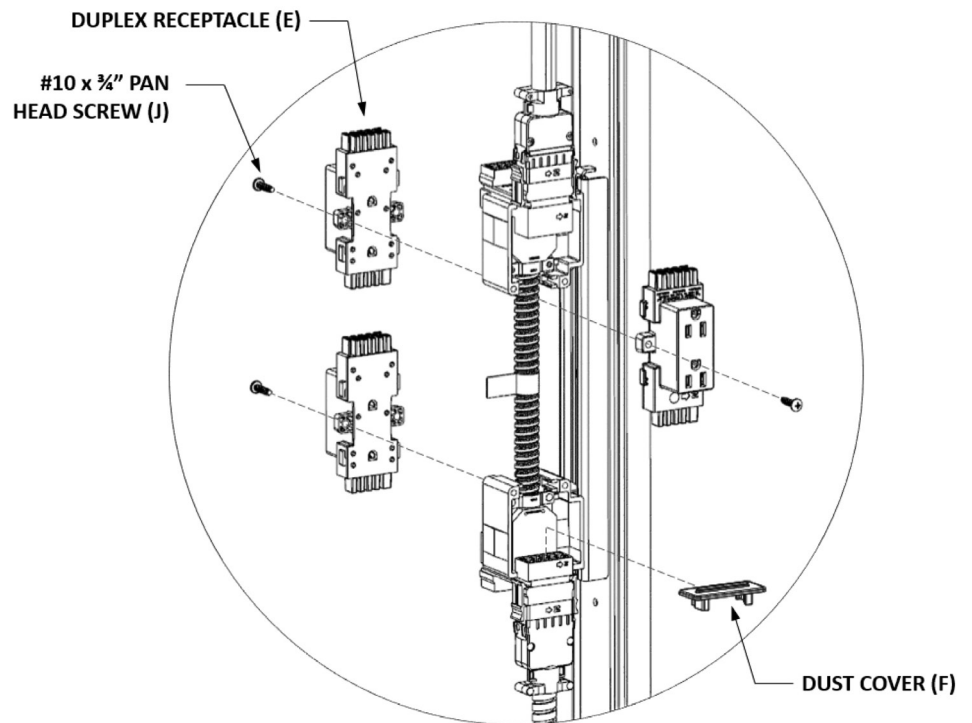
- Drill
Phillips #2 Bit

1. Install the Duplex Receptacles (E) in the desired locations by engaging the male projections on the Duplex Receptacles (E) with the female sockets on previously mounted Power Harnesses (B).

Note:

Each Power Harness (B) can accept 1 Duplex Receptacle (E) per side at 2 heights. See the Power Harness installation section of this guide for corresponding outlet locations.

2. Secure each Duplex Receptacle (E) with (1) #10 x 3/4" Pan Head Screw (J) through a tab on the side of the Receptacle and into the mounting boss on the Power Harness (B).
3. Press Dust Covers (F) into all open/unused top-facing sockets on the Power Harness (B).



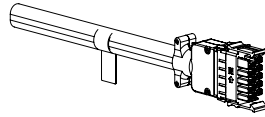
Rockwell Unscripted® Creative Wall® Install Instructions

Electrical

Unscripted Borders Electrical Infeed, UBRI__

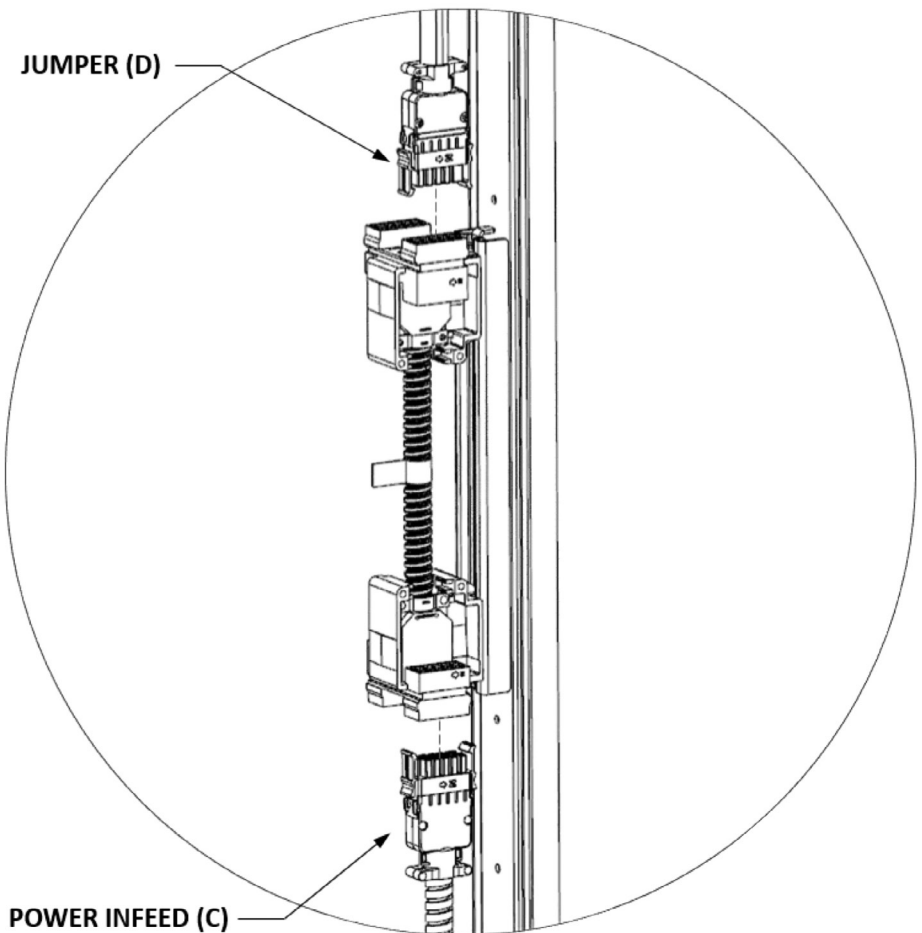
Part List:

(C) Power Infeed



(C) 6AJ5008

1. Connect the Power Infeed (C) to the intended Power Harness (B) by engaging the male connector at the end of the Power Infeed (C) jumper into 1 of the 4 female connectors on the Power Harness (B). The 2 tabs on the connector will snap into the Power Harness (B) when properly engaged.
2. Ensure that the hardwired end of the Power Infeed (C) is located correctly for the electrician to connect the conduit and protruding wires to the building's electrical system.
3. All installation should be done by a qualified electrician and comply with all applicable electrical codes. See page 13 for wiring diagrams.



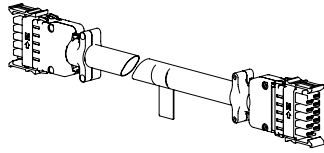
Rockwell Unscripted® Creative Wall® Install Instructions

Electrical

Unscripted Borders Electrical Jumper, UBRJ__

Part List:

(D) Jumper

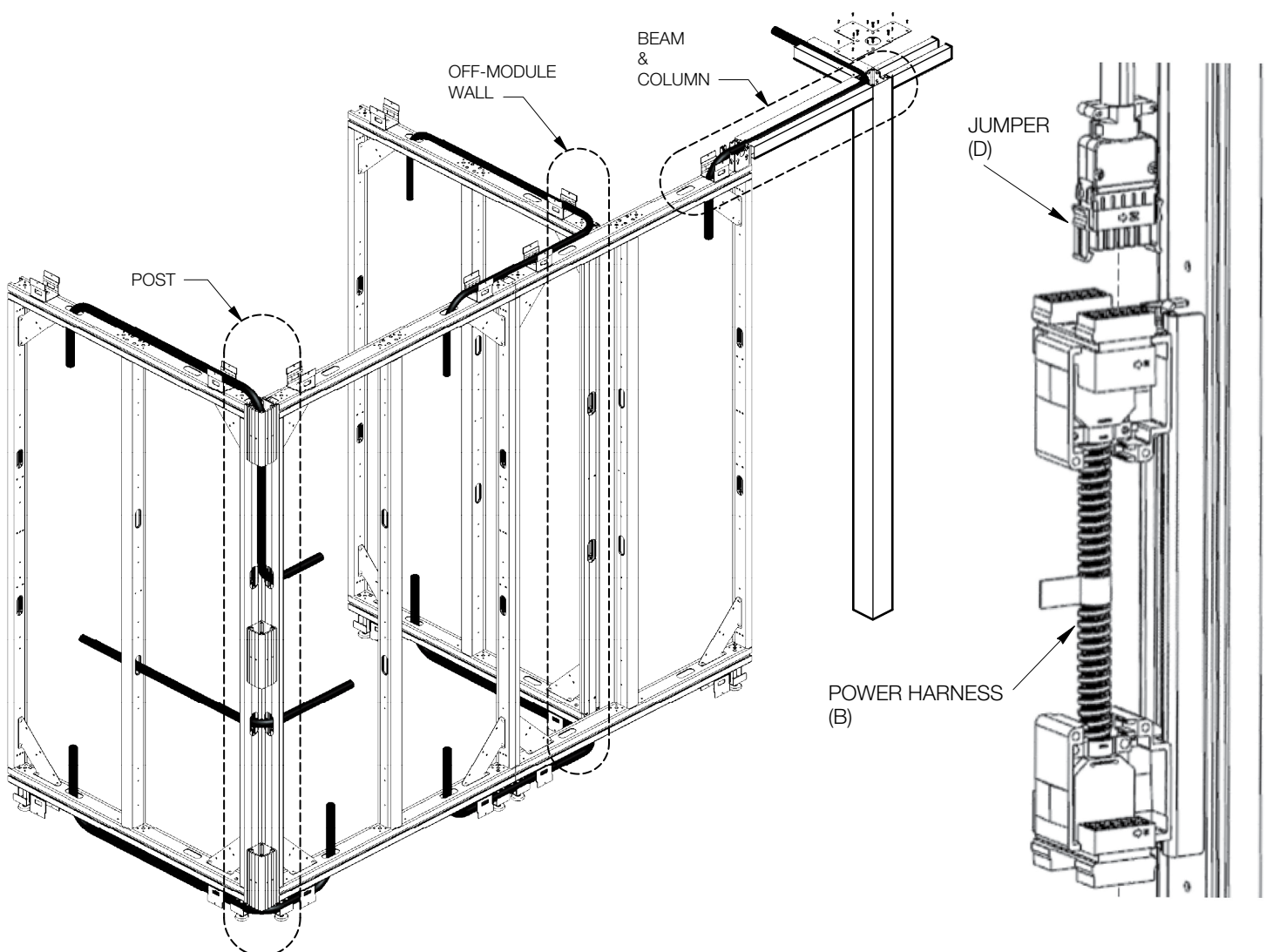


(D) 6AJ5009

1. Connect Jumper (D) to the Power Harness (B) by engaging the male connector at the end of the Jumper (D) into 1 of the 4 female connectors on the Power Harness (B). The 2 tabs on the connector will snap into the Power Harness (B) when properly engaged.
2. Use appropriate Jumpers (D) to connect each Power Harness (B) to the next harness in line. Some Jumpers (D) are very long. The Jumpers (D) may be fed through the uprights of the Wall Frame, in the raceway area below the bottom of the Wall Frame, or in the top channel area above the Wall Frame system. There are numerous oblong access holes to accommodate routing through both vertical and horizontal Wall Frame members.

Note: • Never string a cable through a 1" End Upright of a frame unless it's a direct frame to frame inline connection. If this is done at off-module wall locations, it will prevent installation of the wall surfaces. See the illustration below for this and other common jump routing paths.

- Wire Grommets (R) can be mounted into the oblong access holes if desired. See the Wire Grommet installation section of these instructions.
- Power Harnesses (B) can be used to branch power to multiple Jumpers (D).



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Electrical

Unscripted Borders Electrical Wire Grommet for Frame, UBWGF

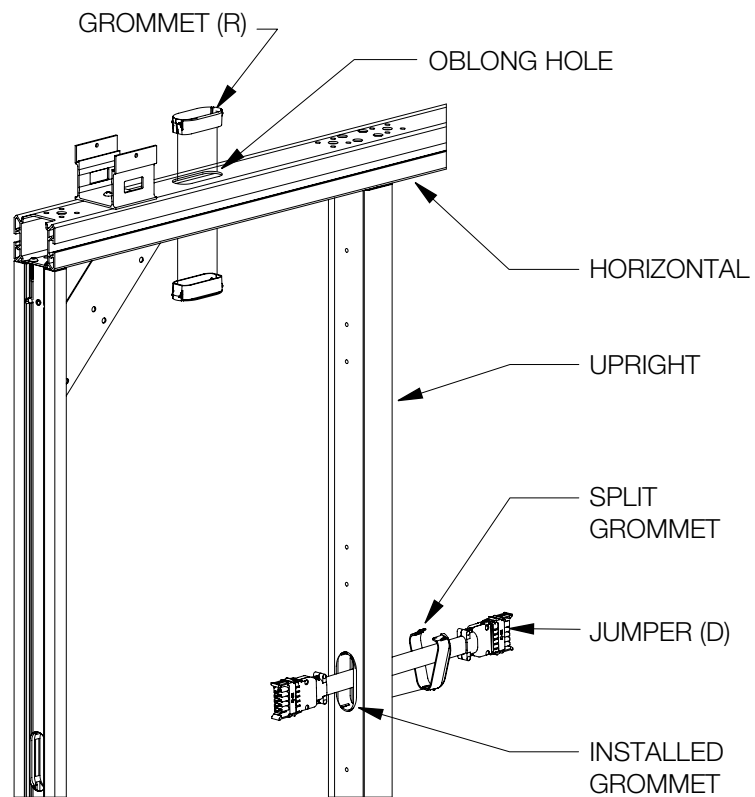
Part List:

(R) Wire Grommet



(R) 6AJ1170

1. Insert optional Wire Grommets (R) into the oblong access holes on the inboard sides of the 1" End-Uprights, either side of 2" Mid-Uprights, and either side of the Wall Frame Horizontals. The grommet will snap into the oblong access holes.
2. If a Jumper (D) or other wires have already been routed through the oblong access hole, the Wire Grommet can be split and installed over the Jumper or wires. One end of the Wire Grommet has a molded slot. Cut through the Wire Grommet along this slot, spread the sides over Jumper and install the grommet into the oblong access hole.

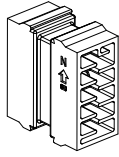


Rockwell Unscripted® Creative Wall® Install Instructions

Electrical

Unscripted Borders Electrical Connector, UBRJJC__

Part List:
(M) Connector

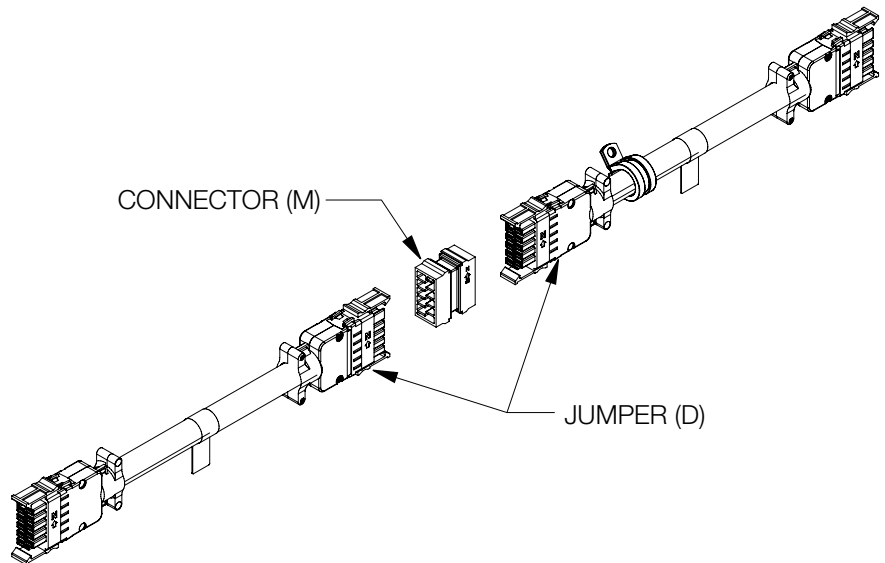


(M) 6AJ5033

Note:

- The Connector (M) is used to join 2 Jumpers (D) end-to-end.
- Connectors (M) cannot be used across Beams.

1. Insert the end of each Jumper (D) into one of the open ports on the Connector (M) until it snaps into the locked position.
2. Install the Loop Clamps (K) on Jumpers (D) to support the connector as needed. See the Loop Clamp (K) installation section of these instructions.



Rockwell Unscripted® Creative Wall® Install Instructions

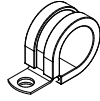
Electrical

Unscripted Borders Electrical Jumper Frame Tie Clips, UBRJFC

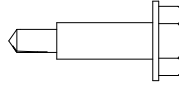
Part List:

(K) Loop Clamp

(L) #10 x 3/4" Self-Drilling Hex Cap Screw



(K) 6AJ5020



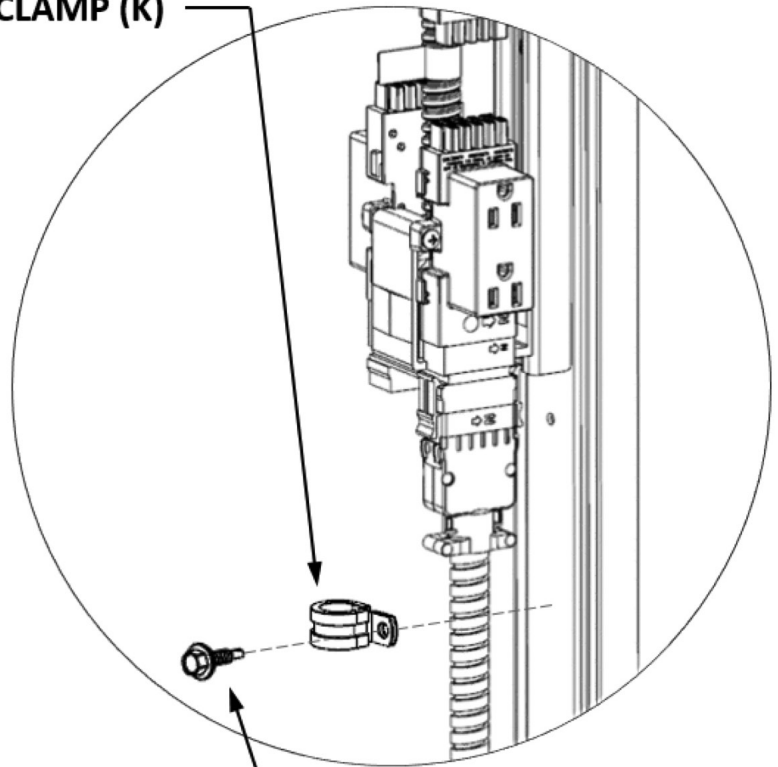
(L) 6AJ5018

Tools Needed:

Drill

5/16" Socket and drive adapter

1. Determine where excess Jumper lengths or Jumpers with tight turns need to be secured to the Wall Frame.
2. Install each Loop Clamp (K) using (1) #10 x 3/4" Self-Drilling Hex Cap Screws (L) at desired locations on the Wall Frame. Be sure not to force jumpers to bend more tightly than their metal cable cladding will allow.

JUMPER CLAMP (K)**#10 x 3/4" HEX
CAP SCREW (L)**

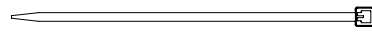
Rockwell Unscripted® Creative Wall® Install Instructions

Electrical

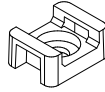
Unscripted Borders Electrical Jumper Beam Tie Clips, UBRJBC

Part List:

- (N) Cable Tie
(O) Cable Tie Mount
(P) 1/4-20 x 3/8" Button Head Cap Screw
(Q) Rail Nut



(N) 6AJ4104



(O) 6AJ4102



(P) 6AJ4103

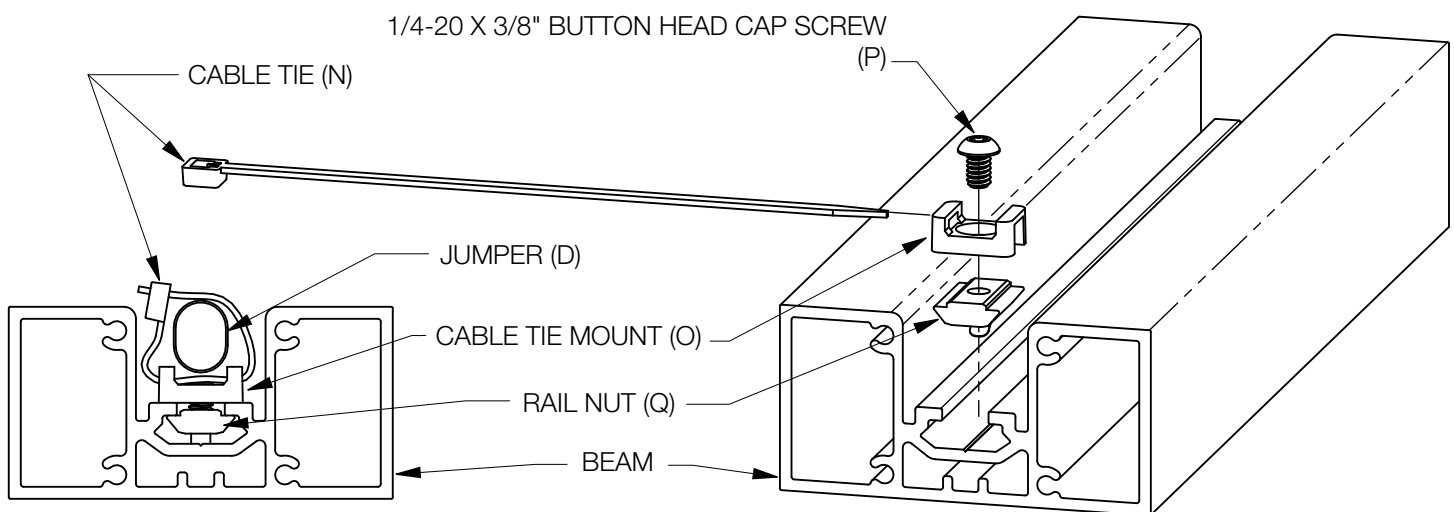


(Q) 6AJ4024

Tools Needed:

- Drill
5/32" Allen Wrench
5/32" Hex Bit

1. Insert the Rail Nut (Q) into the groove within the channel on the top side of the Beam. The spring tab faces down and the nut must be angled into the groove one side at a time.
2. Place a Cable Tie Mount (O) in the channel and aligned it with the threaded hole in the installed Rail Nut (Q).
3. Install the 1/4-20 x 3/8" Button Head Cap Screw (P) through the Cable Tie Mount (O) and into the Rail Nut (Q).
4. Route the Cable Tie (N) through the loops on the Cable Tie Mount (O) as shown and round the Jumper (D).
5. Engage the Cable Tie (N) strap and cut off any excess length.



Rockwell Unscripted® Creative Wall® Install Instructions

Electrical

Unscripted Borders Electrical Outlet Cover, UBROC__

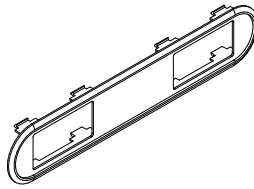
Part List:

(G) Single Bezel

(H) Double Bezel



(G) 6AJ5001

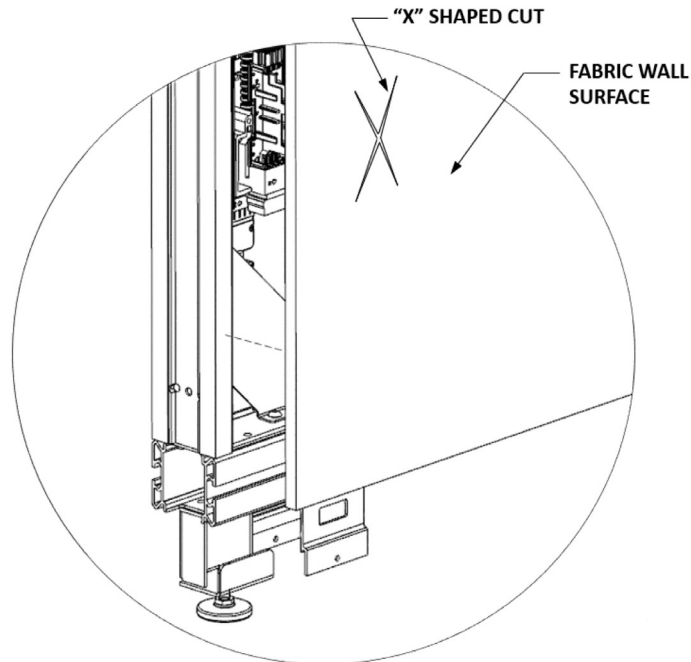


(H) 6AJ5002

1. Install vertical surfaces specified for each location matching the combination of Duplex Receptacles (E) installed into the Power Harnesses (B).

Note:

All surfaces except fabric covered surfaces will have pre-made cutouts for the Duplex Receptacles (E). The interior layer of Fabric covered wall surfaces will be pre-cut at receptacle locations. The installer will need to cut a diagonal "X" through outer fabric to align with the interior cutout and corresponding Duplex Receptacles (E) location. The fabric should be trimmed or back-wrapped around the cutout.



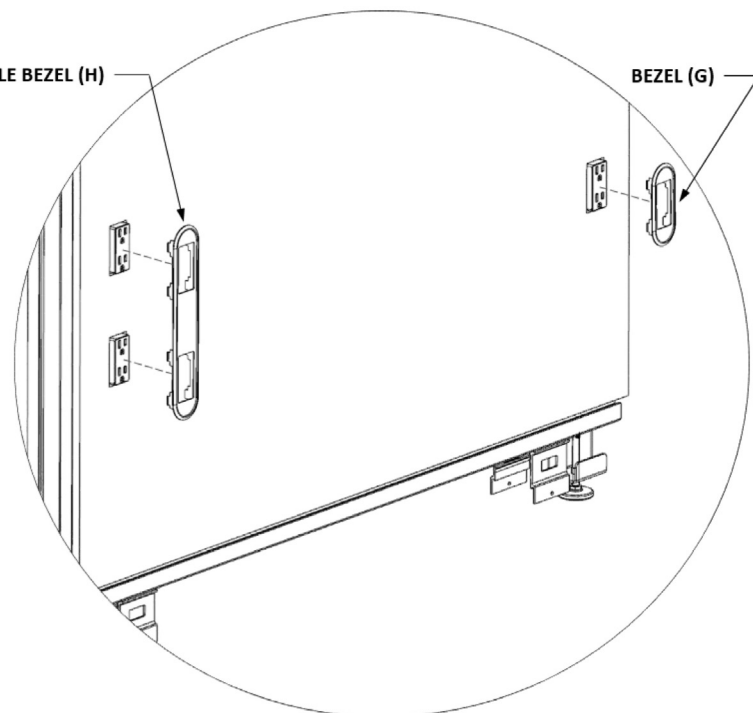
2. Install Bezels (G or H) onto the outside of Vertical Surfaces, making sure retention tabs are engaged with wall surface edges.

Note:

If two Duplex Receptacles (E) are used on the same side of a Power Harness (B), a Double Bezel (H) should be used.

DOUBLE BEZEL (H)

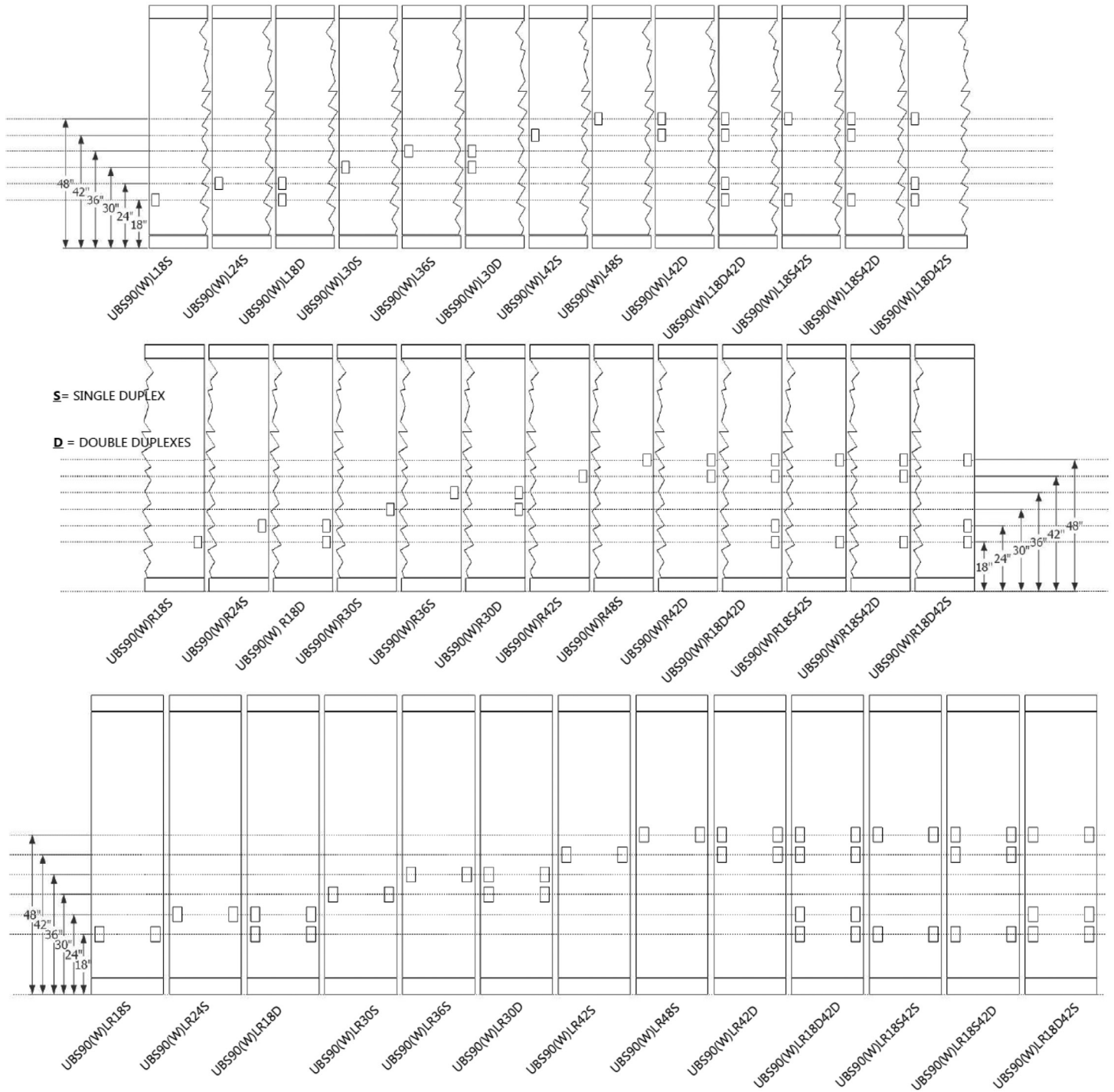
BEZEL (G)



Rockwell Unscripted® Creative Wall® Install Instructions

Electrical

ELECTRICAL SPACING ON SURFACES



Rockwell Unscripted® Creative Wall® Install Instructions

Electrical

Technical Specifications

2+2

Four 20-amp circuits, nondirectional 8-wire configuration: four hots, two neutrals (10 gauge, 35A rated), two grounds.

Power rails and outlet modules: steel with molded polypropylene distribution blocks.

Connectors/jumpers: flexible steel conduit with strain relief.

Outlets: molded polycarbonate, preconfigured duplex on any one of four circuits, indicated as A, B (black), X, Y (black, orange, or black with orange triangle).

Infeed: molded plastic shroud, watertight conduit with 6' whip, snap-in fit at any outlet position in rail or into outlet module distribution block; or hardwire box in center of panel base raceway.

Typical circuiting, cluster of eight workstations: 8 convenience duplexes on each circuit A, B; four computer duplexes on each circuit X, Y.

3+3

Six 20-amp circuits, nondirectional 10-wire configuration: six hots, two neutrals (10 gauge, 35A rated), two grounds.

Power rails and outlet modules: steel with molded polypropylene distribution blocks.

Connectors/jumpers: flexible steel conduit with strain relief.

Outlets: molded polycarbonate, preconfigured duplex on any one of six circuits, indicated as A, B, C (black), X, Y, Z (black, orange, or black with orange triangle).

Infeed: molded plastic shroud, watertight conduit with 6' whip, snap-in fit at any outlet position in rail or into outlet module distribution block; or hardwire box in center of panel base raceway.

Typical circuiting, cluster of 12 workstations: eight convenience duplexes on each circuit A, B, C; four computer duplexes on each circuit X, Y, Z.

4•4•2

Four 20-amp circuits, nondirectional 10 wire configuration: four hots, four neutrals (12 gauge), two grounds.

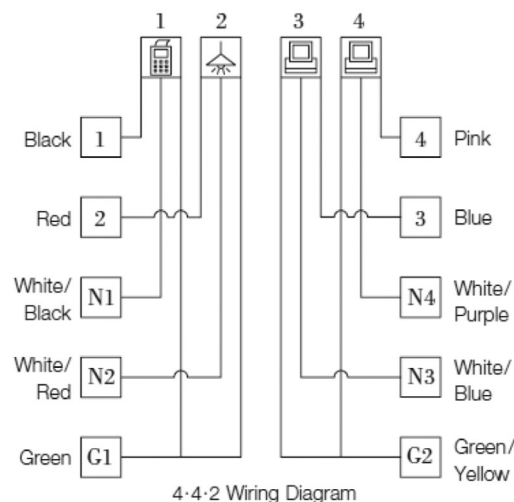
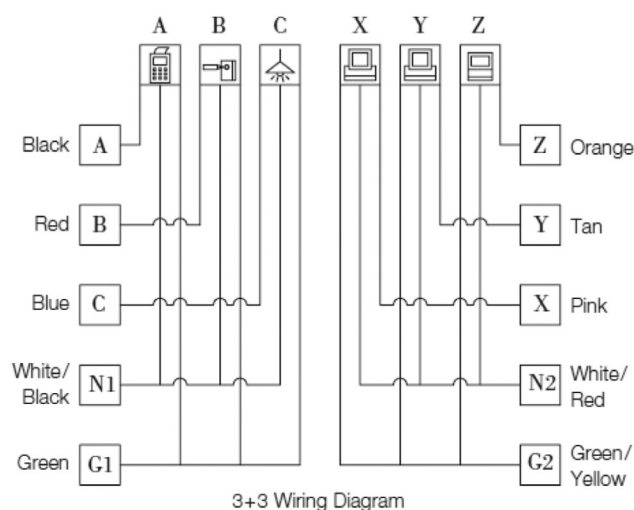
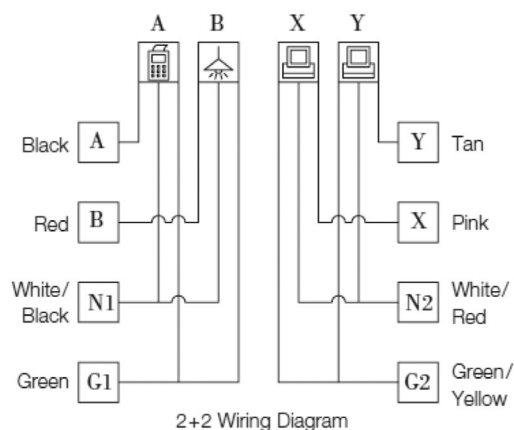
Power rails and outlet modules: steel with molded polypropylene distribution blocks.

Connectors/jumpers: flexible steel conduit with strain relief.

Outlets: molded polycarbonate, preconfigured duplex on any one of four circuits, indicated as 1, 2, 3, 4 (black or black with orange triangle).

Infeed: molded plastic shroud, watertight conduit with 6' whip, snap-in fit at any outlet position in rail or into outlet module distribution block (Currents); or hardwire box in center of panel base raceway.

Typical circuiting, cluster of eight workstations: 8 convenience duplexes on each circuit 1, 2; four computer duplexes on each circuit 3, 4.



Note: Outlets on circuits with dedicated ground must be specified orange face with black triangle or black face with orange triangle.

Approvals: Morrison, Currents and Reff systems raceways are UL listed, CSA approved and comply with UL 1286 and CSA 203.1 electrical and mechanical safety standards.

Morrison / Currents UL file no. E76704 CSA File no. LR62867

Reff UL file no. E76558 CSA File no. LR62867

2+2, 3+3 and 4•4•2 components are also listed under UL file no. E30326 and CSA no. LR55923.

Rockwell Unscripted® Creative Wall® Install Instructions

Electrical Hardwire

Pattern Numbers Represented:

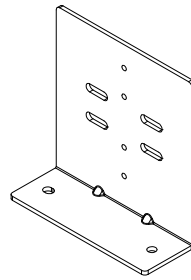
Assembly, Outlet Box, Single, **UBRHBS**
 Assembly, Outlet Box, Double, **UBRHBD**

Tools Needed:

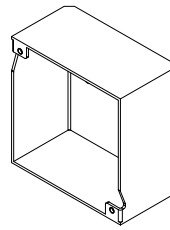
Drill and 13/64" & 1/2" drill-bits
 #2 & #3 Phillips screwdrivers
 Tape Measure
 Jigsaw with smooth-cutting (downward-facing teeth) blade
 Utility knife
 Straight Edge

Part List: (All Patterns)

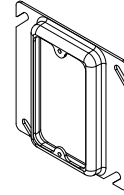
- (A) Bracket, Electrical Box (1 per unit)
- (B) Electrical Box (1 per unit)
- (C) Cover, Outlet Box
 (Single or Double, depending on configuration)
 (1 per unit)
- (D) 1/4-20 x 1/2" Pan Head Thread Forming Screw
- (E) #6 x 3/8" Pan Head Screw
- Masking or painter's tape
- Spray adhesive, 3M Super 77 or similar
 (optional)



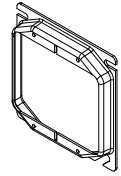
(A) 6AJ5040



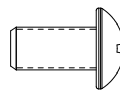
(B) 6AJ5043



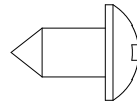
(C) 6AJ5044



(C) 6AJ5045



(D) 6AJ4109



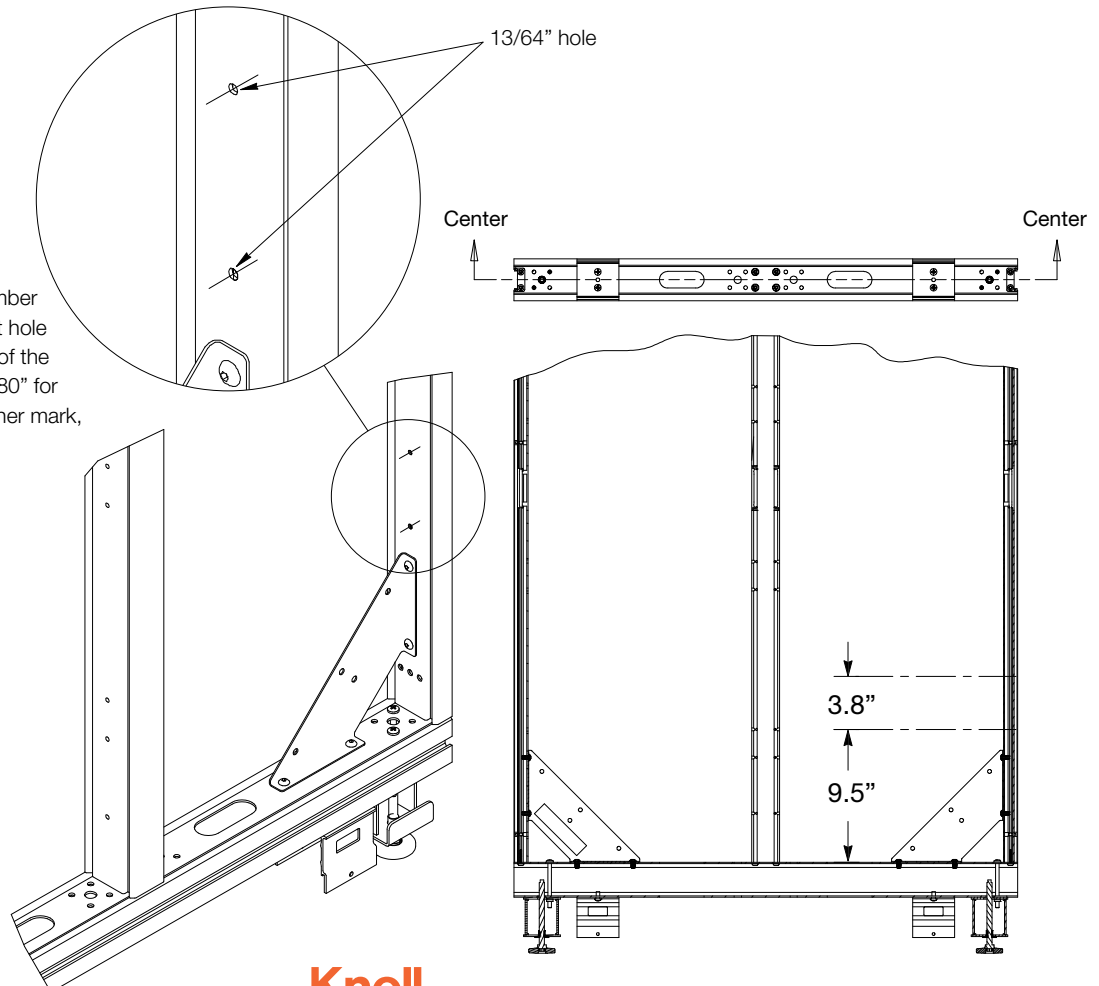
(E) 4A22283

Note:

To be installed by certified electrician.

STEPS:

1. Remove required wall surface(s).
2. Identify the location of the wall where the electrical box will be located and measure up from the upper face of lower horizontal member 9.50" and make a mark for the first hole for the box bracket, on the center of the stud. Measure up an additional 3.80" for the second screw, and make another mark, again on the center of the stud.
3. Drill a 13/64" hole at each of the two marks.



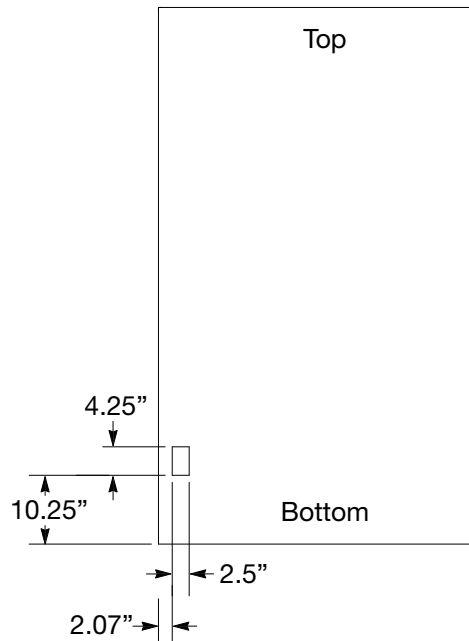
Rockwell Unscripted® Creative Wall® Install Instructions

Electrical Hardwire

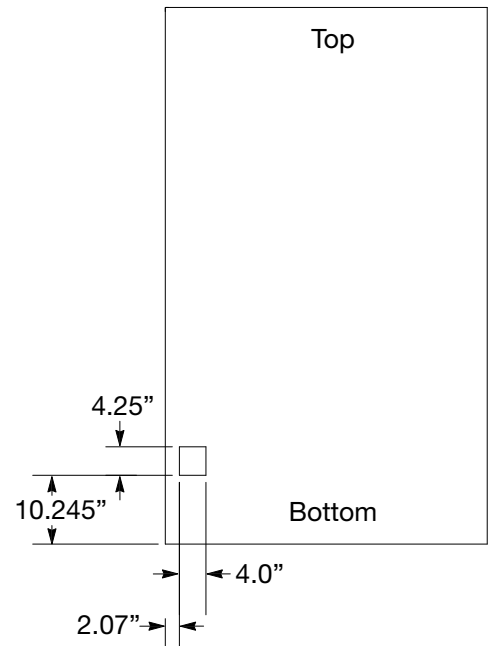
STEPS:

4. Attach the bracket to the stud using two ¼-20 thread-forming screws (D) from the kit.
5. Attach electrical box to bracket using provided screws (E).
6. Run wiring.
7. Apply a generous amount of masking or painter's tape to the wall surface over the area of the outlet.
8. Using the dimensions shown below, mark the wall surface for a cut-out for the electrical box. Choose the appropriate hole size, depending on whether a single or double outlet is being installed.
9. In the case of hard wall surface material, make a starter hole in the middle of the cut-out location with the ½" drill bit. Be sure there is sufficient tape to cover the entire area that the shoe of the jigsaw will contact, and then complete the cutout with the jigsaw. Remove any burrs or sharp edges.
10. In the case of soft (fabric or similar) wall surface material, use utility knife to score an X-cut across the diagonals of the cutout location. Carefully peel back the fabric wedge on each side of the opening, and cut through the inner material to the far side. Repeat this three more times. Remove the core material, and fold the fabric flaps inward over the edges of the opening. Secure flaps to back side of wall surface with tape or spray adhesive.
11. If additional outlets are to be placed in same wall surface, repeat steps 2 through 10.
12. Remove masking or painter's tape and replace the wall surface.
13. Install outlet receptacle(s) and trim plate(s).

Single outlet box cutout

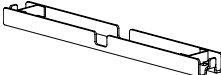
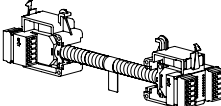
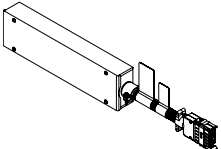



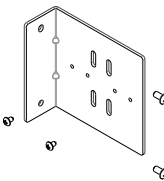


Double outlet box cutout



Rockwell Unscripted® Creative Wall® Replacement Parts

Electrical







Description	Reference*	Replacement Pattern Number
Power harness mount bracket 	6AJ5027	KR6AJ5027 HLKR6AJ5027 24-Response Includes: 6AJ5027 - qty 1
Power module with dust covers, neutral, 6" 	6AJ5004___ 6AJ500401 6AJ500402 6AJ500403	KR6AJ500401 2+2 shared neutral HLKR6AJ500401 24-Response KR6AJ500402 3+3 shared neutral HLKR6AJ500402 24-Response KR6AJ500403 2+2 independent neutral HLKR6AJ500403 24-Response
Power infeed, NYC, neutral, 72" 	6AJ5016 6AJ5014 6AJ5015 Not shown in install instructions	KR6AJ5016 8 wire, shared neutral HLKR6AJ5016 24-Response KR6AJ5014 10 wire, shared neutral HLKR6AJ5014 24-Response KR6AJ5015 10 wire, independent neutral HLKR6AJ5015 24-Response
Outlet box, with mounting screws 	6AJ5043	KR6AJ5043 HLKR6AJ5043 24-Response 6AJ5043 - qty 1 with mounting screws per supplier
Outlet box cover, single, with mounting screws 	6AJ5044	KR6AJ5044 6AJ5044 - qty 1 with mounting screws per supplier
Outlet box cover, dual, with mounting screws 	6AJ5045	KR6AJ5045 6AJ5045 - qty 1 with mounting screws per supplier
Hardwire outlet box bracket assembly, Chicago, with mounting screws 	6AJ5040 6AJ4109 4A22283	KR6AJ504640 HLKR6AJ504640 24-Response 6AJ5040 - qty 1 (bkt, outlet box) 6AJ4109 - qty 2 (scr, pnh, 1/4-20x.5) 4A22283 - qty 2 (scr, sm pnh #10 x 1/2)

General Notes

1. "HL" and "ZZ" prefix in pattern number denotes 24-Response. Part will be shipped within 24-hours via ground service, pending availability; quantity limits and higher pricing apply.
2. See the product [Price Lists on www.Knoll.com](http://www.Knoll.com) for material, textile, and finish options denoted by ().
3. * Not offered as an orderable service part number.

Rockwell Unscripted® Creative Wall® Replacement Parts

Electrical (cont.)

Description	Reference*	Replacement Pattern Number
Dust cover (Single and Set of 10) 	6AJ5012	KR6AJ5012 HLKR6AJ5012 24-Response Includes: 6AJ5012 - qty 1 KR6AJ5012SET10 HLKR6AJ5012SET10 24-Response Includes: 6AJ5012 - qty 10
Cable tie mount 	6AJ4102	KR6AJ4102 Includes: 6AJ4102 - qty 1
Screw, pan head, phillips drive, 1/4-20 x 1", type f 	6AJ5029	KR6AJ5029SET2 HLKR6AJ5029SET2 24-Response Includes: 6AJ5029 - qty 2
Screw, #10-14 x 3/4, #2 pan head, phdr, tri-lobular (plastite) 	6AJ4078	KR6AJ4078 HLKR6AJ4078 24-Response Includes: 6AJ4078 - qty 1
Screw, button head, hex drive, 1/4-20 x .375" 	6AJ4103	KR6AJ4103 HLKR6AJ4103 24-Response Includes: 6AJ4103 - qty 1
Cable tie 7.5", black 	6AJ4104	KR6AJ4104 HLKR6AJ4104 24-Response Includes: 6AJ4104 - qty 1 (pack of 10)

General Notes

1. "HL" and "ZZ" prefix in pattern number denotes 24-Response. Part will be shipped within 24-hours via ground service, pending availability; quantity limits and higher pricing apply.
2. See the product [Price Lists on www.Knoll.com](http://www.Knoll.com) for material, textile, and finish options denoted by ().
3. * Not offered as an orderable service part number.