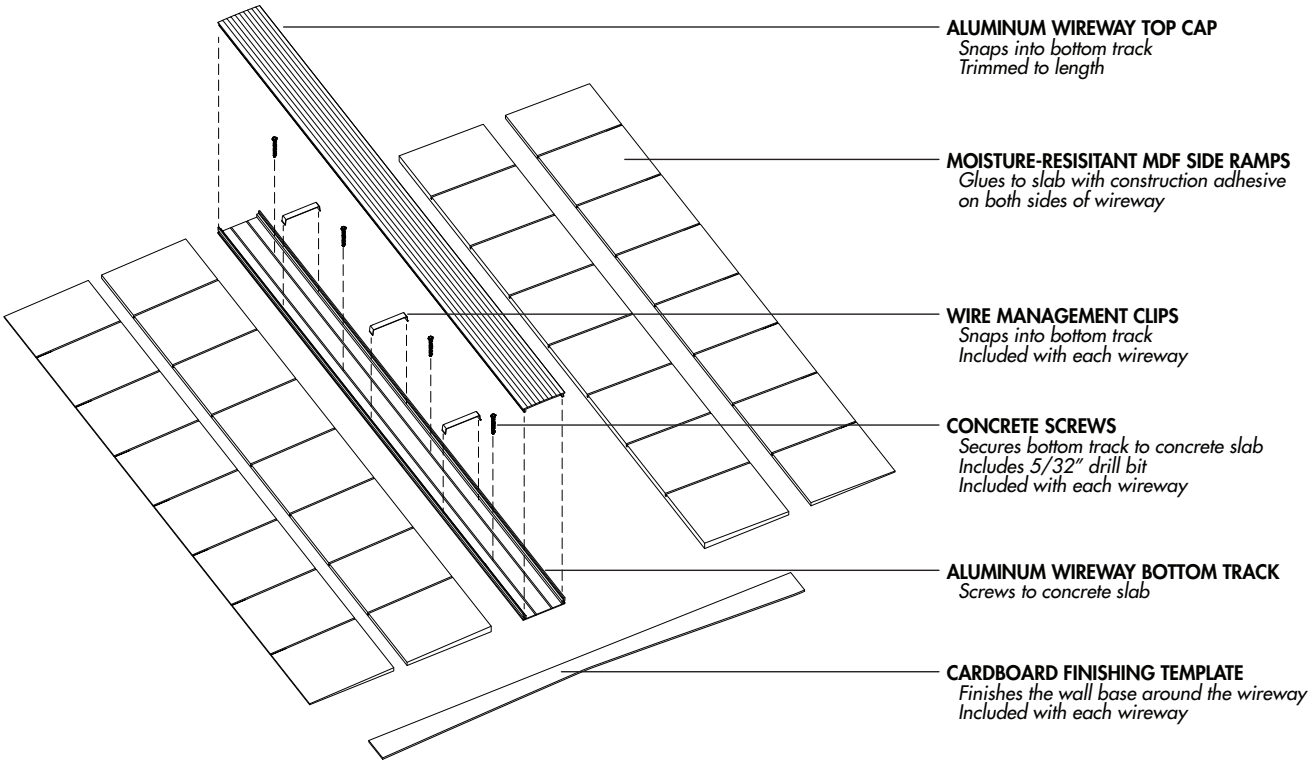
CONNECTRAC

IN-CARPET WIREWAY INSTALLATION GUIDE

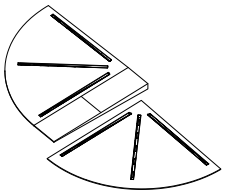
BEFORE STARTING:

- Concrete floor surfaces must be flat, level and structurally sound. Floor topping / leveling may be required prior to installation of the Connectrac system. Aluminum Connectrac components which will be cut to length should be cut with a non-ferrous metal-cutting saw blade. This blade can be used with a miter saw or chop saw (recommended), radial arm saw, or table saw.
- Coordinate Connectrac length, location, and power devices with furniture prior to installation.
- During installation period aluminum top cap should be temporarily protected using non-marring tape.

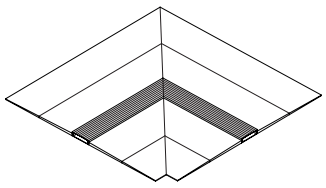
BASE SYSTEM COMPONENTS - included with every wireway segment



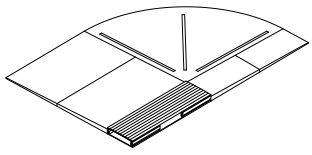
NOTE: WIREWAY RELATED ACCESSORIES (*SOLD SEPARATELY*) USE THE SAME BASE COMPONENTS AND ARE INSTALLED IN THE SAME WAY



END TRANSITION RAMPS
IN-EC



CORNER KITS
IN-CXX_XX

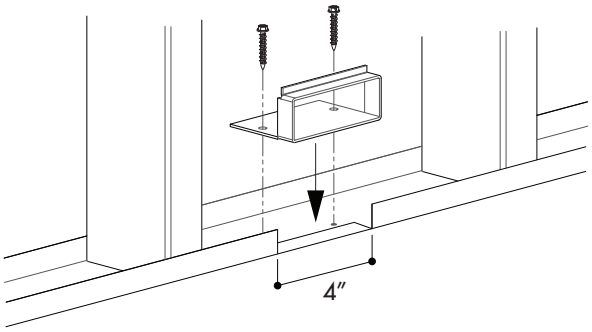


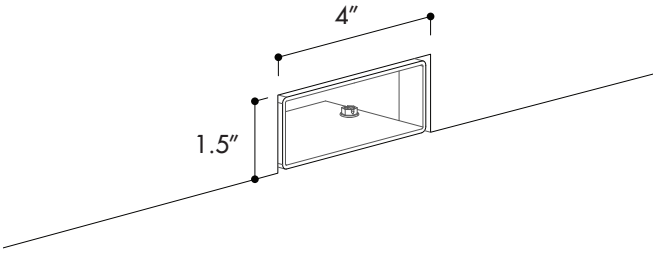
SIDE ENTRY KIT
IN-SE1-XX

NOTE: FOR INSTALLATION OF POWER DEVICES SEE PAGE 04

OPTIONAL ROUGH-IN BOX INSTALLATION

NOTE: The rough-in box (AC-RIB-1) is not required for existing construction, and is an optional component in new construction. If not using, continue to step 1 below

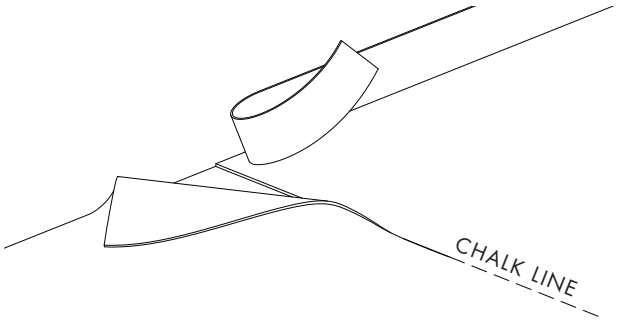




NOTE: This opening will be covered by the wall base on finishing, see step 07.

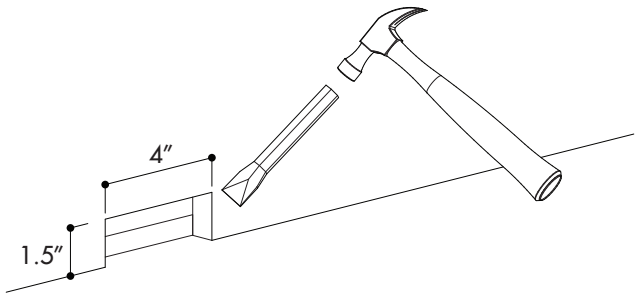
NEW WALL CONSTRUCTION: Make two cuts in floor stud track, 4" apart, and fold inward. Position rough-in box accessory in track and secure to slab using concrete screws. Install gypsum board, cutting around rough-in box. This creates an opening to transition cabling from the building into the wireway. **NOTE:** Coordinate opening with furniture and eventual device location.

STEP 1



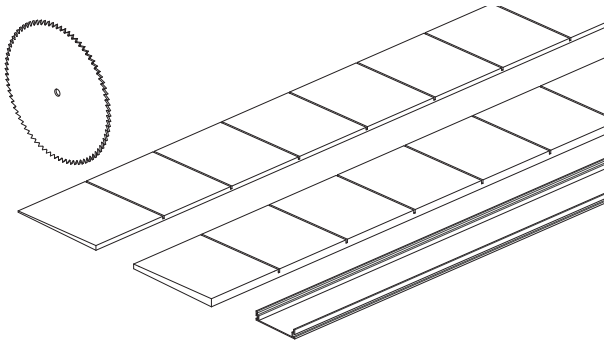
EXISTING WALL CONSTRUCTION: Peel wall base from wall where cable will be entering stud cavity. Mark floor using a chalk line along one edge where wireway bottom track will be installed. Cut and peel carpet from floor slab.
NOTE: Coordinate opening with furniture and device locations.

STEP 2



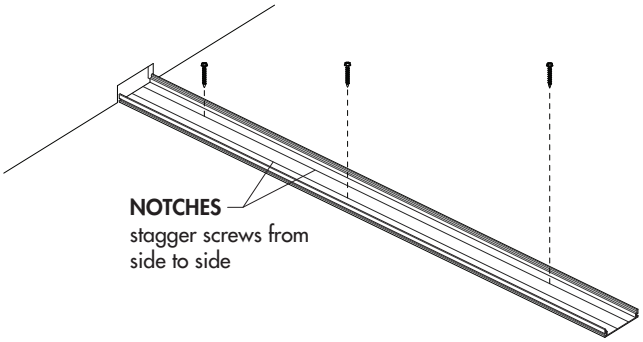
Cut a 1.5″x4″ hole in gypsum board. Cut bottom stud track at edges and fold inward.

STEP 3



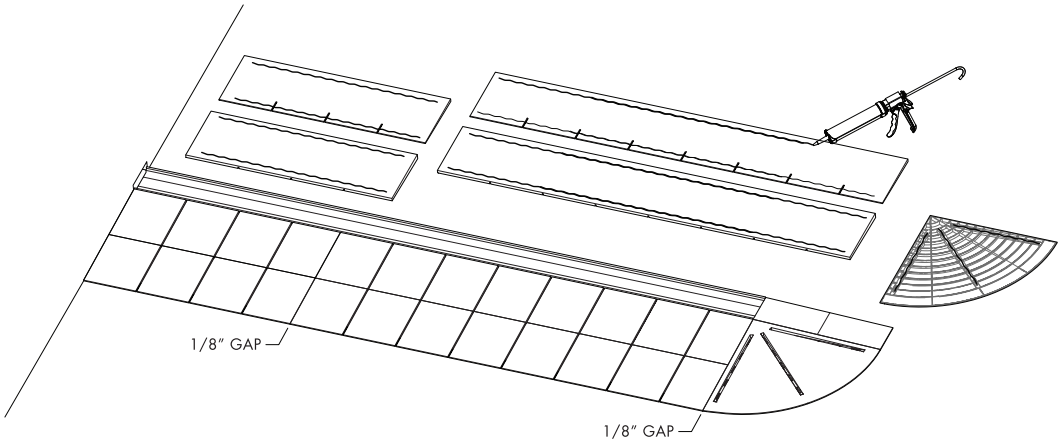
Saw base track and side ramps to length.
NOTE: Coordinate lengths with furniture and eventual device location.
TIP: Save offcuts for use elsewhere.

STEP 4



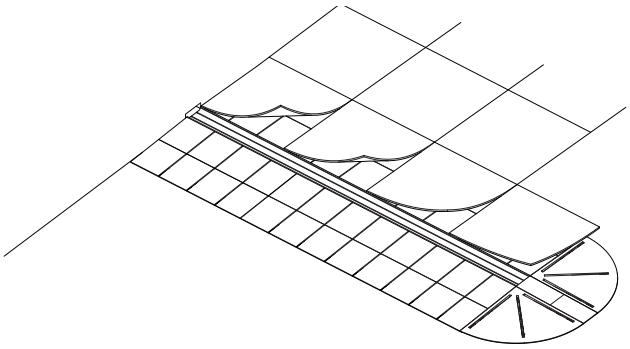
Pre-drill 1/4" holes in notches of aluminum bottom track at a minimum of 18" apart on-center and a maximum 6" from the end, staggering side to side along the length. Drill floor slab with concrete bit using hammer drill (recommended) or standard drill and install concrete screws to secure bottom track to slab. Do not place screws where a receptacle device will be located.
TIP: Finish installing screws by hand to avoid over-torquing.

STEP 5



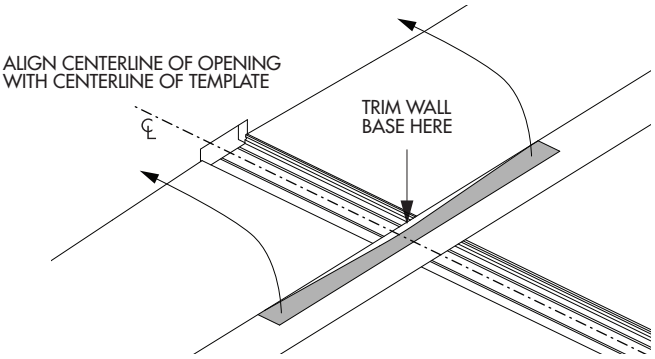
Apply 1/4" bead of construction adhesive to underside of high and low MDF side transition ramps 1" from both edges of all ramp pieces, and apply to floor around bottom track. Allow 1/8" gap between every 48" side transition ramp section. Apply bead of construction adhesive to underside of end transition ramps and apply to floor. Apply even and sufficient pressure to all glued ramp components to ensure adhesive is spread uniformly and ramp components are adequately seated.

STEP 6



Install carpet on top of transition ramps, trimming along edges of wireway. Adhere carpet to side and end transition ramps. **NOTE:** Carpet can be installed after power devices and other accessories

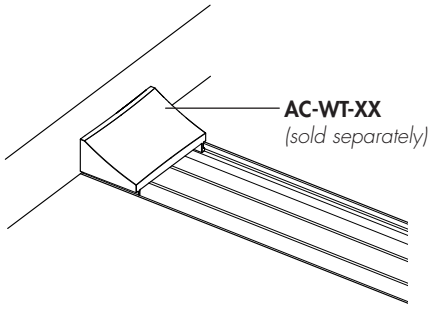
STEP 7 - FINISHING



NOTE: Do not fully snap top cap in bottom track until all cabling is laid.

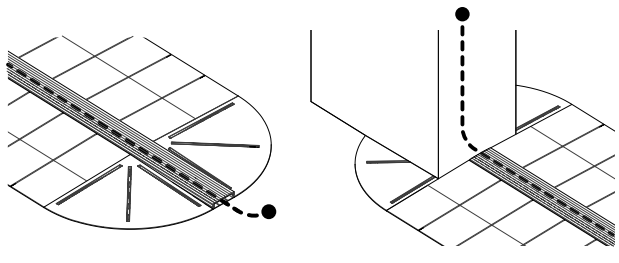
Tape supplied cardboard template to back side of wall base. Mark along bottom edge, then trim along line to match bottom of wall base to wireway profile. Install wall base to wall to finish wireway installation.

TIP



If the transition at the wall cannot be made cleanly, an **AC-WT-XX** can be used to cover the opening and transition cabling into the wall cavity. This accessory can also be used at the opposite end to transition into furniture.

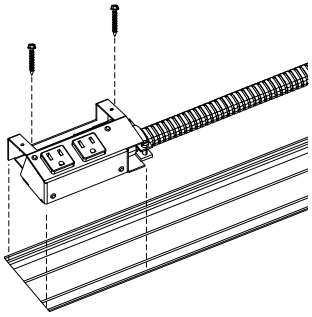
TIP



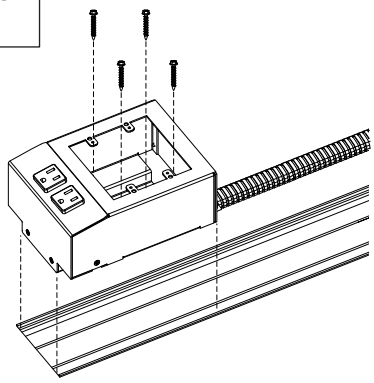
End transition ramps can be rearranged to allow cabling to exit the end of the wireway (A). They can also be trimmed and used to finish the ramping system around corners or small columns (B).

INSTALLING SINGLE POWER DEVICES

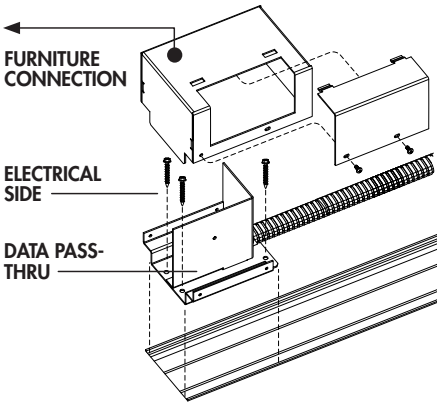
NOTE: NEVER INSTALL A POWER DEVICE IN A WALKING PATH



PS-I-XXX
- *Single receptacle device*
- *Pre-wired, attached conduit*
- *Modular voice/data/AV*



PS-A-IN-XXX
- *Single receptacle device for AV*
- *Pre-wired, attached conduit*
- *Any double-gang telecom faceplate*

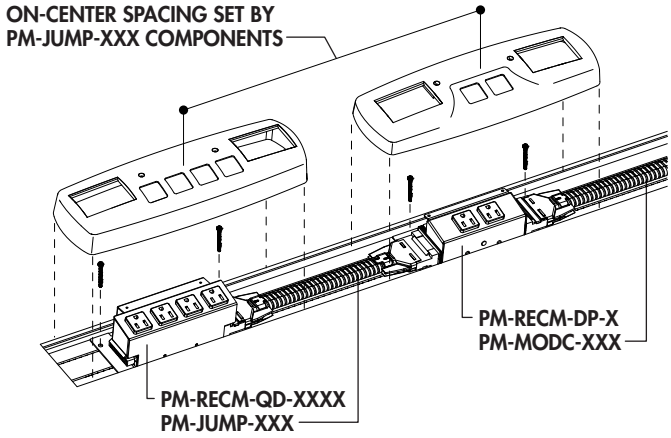


PS-M-XXX
- *Single 8-wire/4-circuit connection monument*
- *Pre-wired, attached conduit*
- *Voice/data passes through*

All power devices are anchored through the bottom track and into the building slab. Single device options (above) are typically located at the end of the wireway segment. Locate power device in wireway and anchor it through bottom track using included concrete screws.

NOTE: To check fit and positioning in wireway, loosely place the entire power device and any cover components in bottom track prior to anchoring device. Ensure the device location is coordinated with furniture.

INSTALLING MODULAR POWER DEVICES



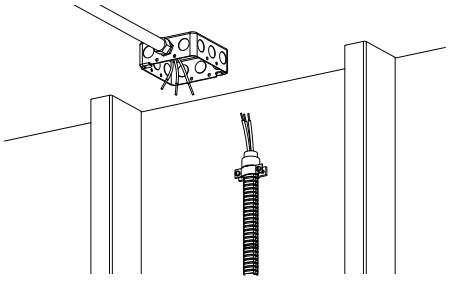
NOTE: NEVER INSTALL A POWER DEVICE IN A WALKING PATH

Modular receptacle power systems rely on fixed-length jumper cables that don't stretch and don't shrink - ensure correct device placement by mocking up full electrical system prior to anchoring devices or cutting top cap.

NOTE: To check fit and positioning in wireway, loosely place the entire power device and any cover components in bottom track prior to anchoring device. Ensure the device location is coordinated with furniture.

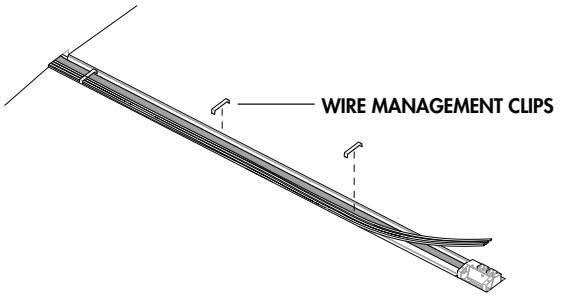
Once positioned, anchor power devices to slab through bottom track using included concrete screws.

CONNECTING POWER SYSTEMS



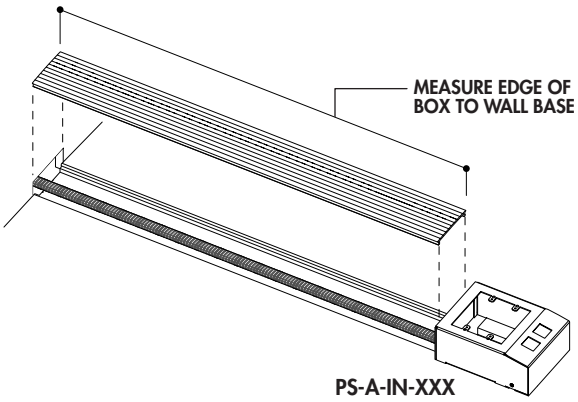
Pull flexible conduit through wall opening up cavity of stud wall and wire to junction box with 1/2" knockout fitting. See wiring diagrams on page 06.

TELECOM

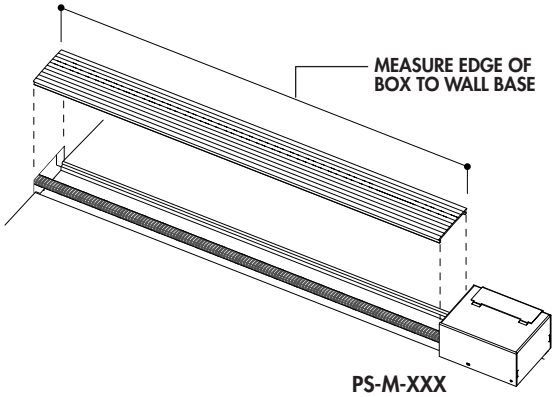


Pull telecom cabling through wall opening and lay in wireway. Use supplied wireway clips to secure all cabling. See page 06 for telecom installation information.

TRIMMING THE TOP CAP - TECHNIQUE 1



PS-A-IN-XXX



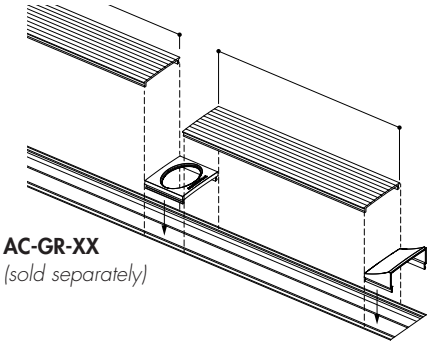
PS-M-XXX

Measure the distance between the edge of the power device and the wall, then trim the aluminum top cap to length required.

NOTE:

- Do not snap top cap into bottom track until all cabling is laid.
- Take into account wall base when determining top cap length.
- Place all devices and accessories into bottom track first before determining top cap length.

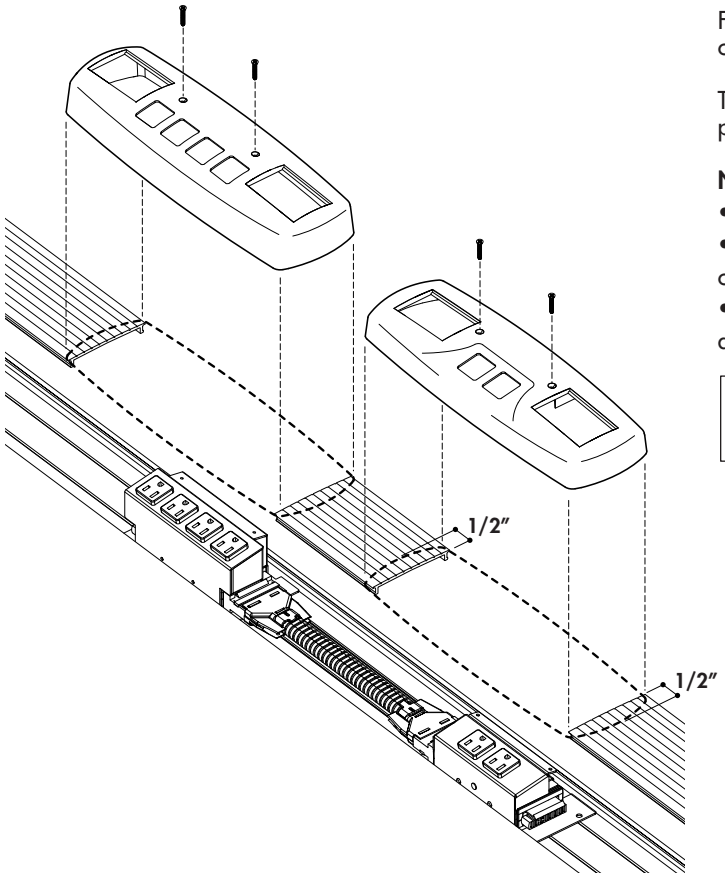
USE THIS TECHNIQUE FOR:	PS-A-IN-XXX PS-M-XXX IN-COM-BK	AC-GR-XX AC-WT-XX



AC-GR-XX
(sold separately)

AC-WT-XX
(sold separately)

TRIMMING THE TOP CAP - TECHNIQUE 2



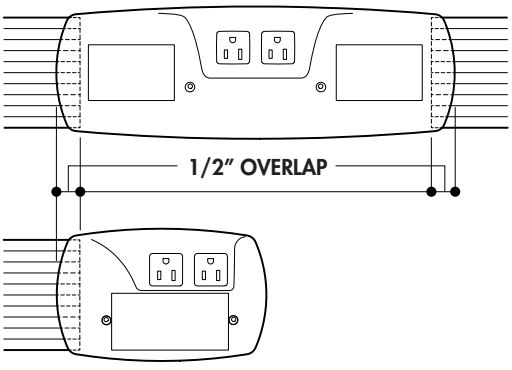
For installations with plastic receptacle covers, note that the plastic covers overlap the aluminum top cap by 1/2".

Trim the aluminum top cap to length required, then install the plastic receptacle cover with included screws.

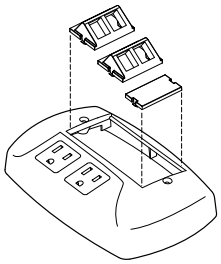
NOTE:

- Do not snap top cap into bottom track until all cabling is laid.
- Make sure to take into account wall base when determining top cap length.
- Place all devices and accessories into bottom track first before determining top cap length.

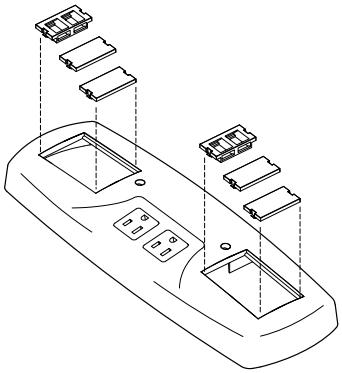
USE THIS TECHNIQUE FOR:	PS-I-XXX PM-RECM-QD-XXXX PM-RECM-DP-X



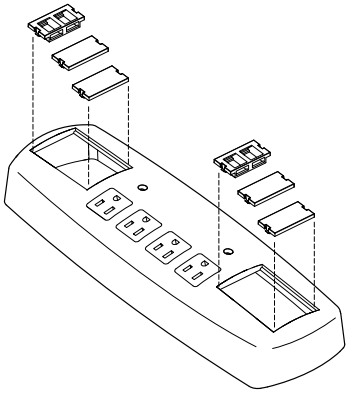
TELECOM INFORMATION



PS-I-XXX



PM-RECM-DP-X



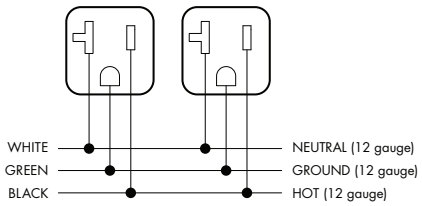
PM-RECM-QD-XXXX

For devices with plastic covers, pull cabling through data openings and terminate connectors being used in telecom modules. Snap telecom modules in data openings.

WIRING DIAGRAMS

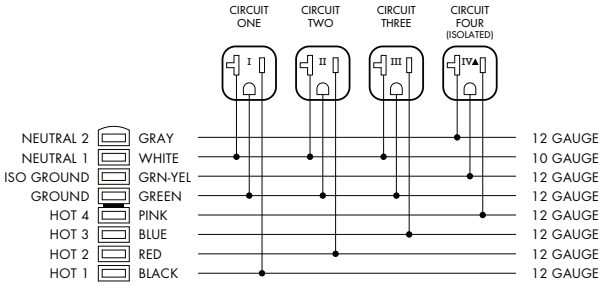
SINGLE DUPLEX RECEPTACLES SYSTEMS:

PS-I-XXX, PS-A-IN-XXX



MODULAR RECEPTACLE SYSTEMS:

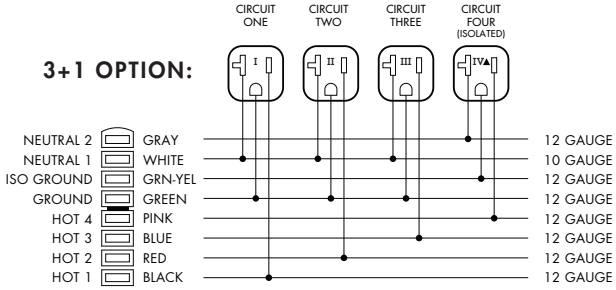
PM-RECM-DP-X, PM-RECM-QD-XXXX



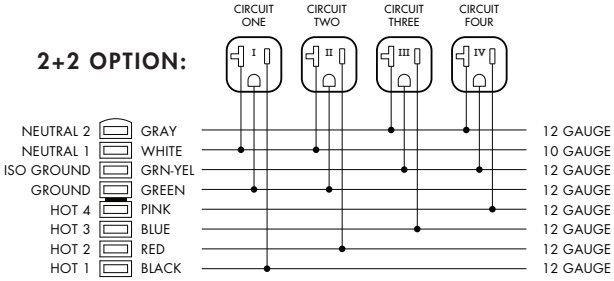
4-CIRCUIT FURNITURE CONNECTION MONUMENT:

PS-M-XXX

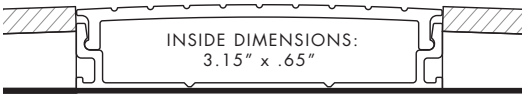
3+1 OPTION:



2+2 OPTION:



CABLE FILL INFORMATION



Voice / Data / AV cabling can be placed alongside power in the wireway channel. Shielding for the low voltage cabling is provided by Connectrac's special steel flex conduit.

STANDARD FILL CAPACITIES:	Cat 5e	Cat 6	Cat 6a
Cable OD (varies by manufacturer)	.21″	.25″	.354″
Cable cross sectional area	.035″	.035″	.035″
Max cables in wireway with power conduit	25	18	*

* The number of Cat 6A cables must be determined by the communications system designer due to the special installation requirements of Cat 6A cables.

CONNECTRAC LIMITED WARRANTY ("Statement")

Strong Products Group, Ltd. d/b/a Connectrac ("**Connectrac**") hereby warrants, to the original purchaser or owner (collectively, "**Buyer**"), that any product manufactured and sold by Connectrac will be substantially free from unreasonable and significant defects in material, construction, and workmanship under normal use, service, and only for their original purpose, for a period of five (5) years from the date of original installation or six (6) years from the date of purchase, whichever is sooner. Standard commercial tolerances apply. This Statement applies only to products, which have been **installed properly in accordance** with Installation Instructions supplied by Connectrac and any applicable codes and standards.

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