Assembly Instructions

Trellis™ System

April 2016

Furnishing Knowledge®

CAUTION

Assemble units as described herein only. To do otherwise may result in instability. All screws, nuts and bolts must be tightened securely and must be checked periodically after assembly. Failure to assemble properly, or to secure parts may result in assembly failure and personal injury.

1. To begin assembly of the chase unit, first unpack and carefully set chase trough assemblies out on a soft protective surface. Remove chase legs from packaging and separate by height for either 24" or 30" installations, if required per the space-planning layout (Figure 1).

2. Align the top mounting holes of the chase legs to each trough assembly and secure together using four #10-24 x 3/8" self-tapping Torx screws, at each side of the trough assembly as illustrated (Figure 1).

   Note: Trellis insert panels come in steel or laminate. Chase leg mounting screws used for steel insert panels are #10-24 x 3/8" self-tapping Torx. Mounting screws used for laminate panels are #10 x 1" Torx wood screws.

3. Unpack insert panels (either steel or laminate). Position insert panel between the installed chase legs. Align mounting holes of panel with legs and secure using three #10 Torx screws each side (#10-24 x 3/8" self-tapping Torx for steel, or #10 x 1" Torx wood screw for laminate) (Figure 1).

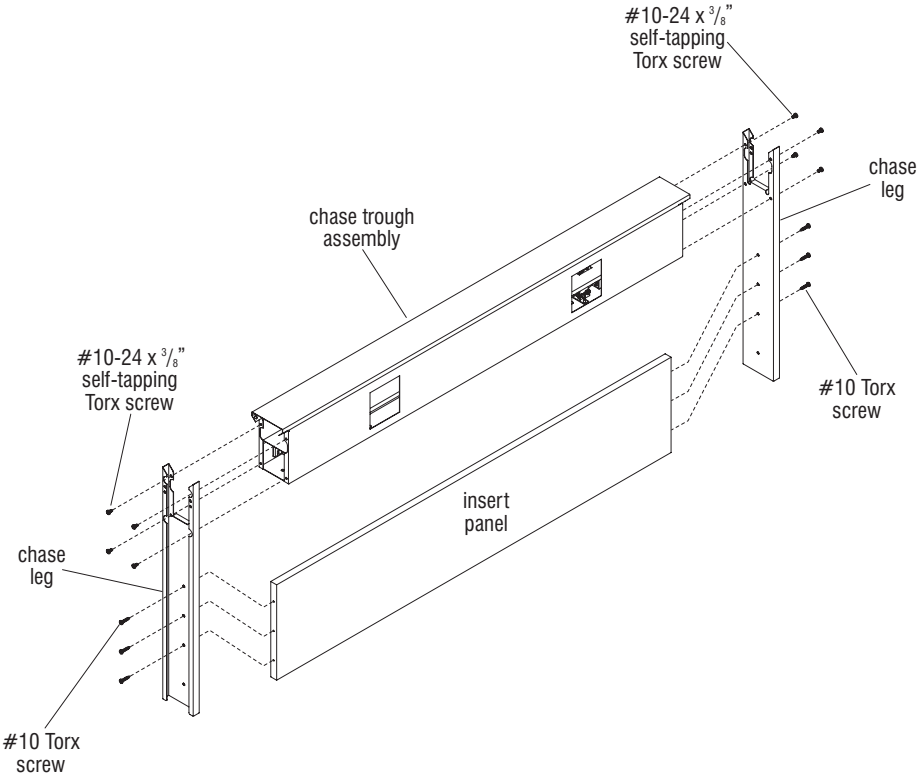

Figure 1 - Chase Unit Assembly

CAUTION

Assemble units as described herein only. To do otherwise may result in instability. All screws, nuts and bolts must be tightened securely and must be checked periodically after assembly. Failure to assemble properly, or to secure parts may result in assembly failure and personal injury.

Inline & 90° Corner Assembly

Note: The instructions and Figure 2 below illustrate typical inline and 90° corner configuration of chase assemblies. Each configuration may vary. Please reference the space-planning layout to determine the location and configuration of the room.

1. If the chase trough assembly shipped with a chase cover and/or chase data tray pre-installed, remove those components at this time and carefully set aside for later use (Figure 2).

   Note: Inline feet and the 90° corner foot are equipped with five holes in each side of the upright to be used with #10-24 x $^3/_8$" self-tapping Torx screws for leveling purposes, if required. Leveling of the chase run of trough assemblies may, or may not be required depending on the floor conditions at the site. Leveling can be done after all units of a configuration are assembled to their final location in the room.

2. To join chase assemblies together inline, simply insert the bottom of a chase leg at one end of a chase assembly over the upright bracket of an inline foot as illustrated. Next, insert the chase leg of the second chase assembly into the other side of the same inline foot (Figure 2).

3. At the top of each inline chase union, orient a chase-to-chase connector clip and snap it on to secure the alignment of the mating chase uprights. If desired, use two #10-24 x $^3/_8$" self-tapping Torx screws through the mounting holes to secure the clip to the flanges as illustrated (Figure 2).

4. To join chase assemblies together at a 90° corner, position the first chase assembly over a 90° corner foot as shown. Insert the lower part of the chase leg into the corner foot, in a similar manner as installing to an inline foot (Figure 2).

5. Next, position the adjoining chase leg over and onto the 90° corner foot at a right-angle to the first. Where chase assemblies join at a 90° corner, a 90° corner connector must be used at the top. Orient the connector between the adjoining chase assemblies as illustrated, aligning two holes of each chase assembly with the two holes on each flange of the connector. Using a 6" long T-25 driver (provided), secure the connector to both chase assemblies as illustrated with one #10-24 x $^3/_8$" self-tapping Torx screw through each chase assembly upright and into one mounting location of the corner connector (Figure 2).

6. Attach a 90° corner cover to the corner by first sliding the bottom of the cover over the upright bracket of the 90° corner foot. Align the holes at the inner, top of the corner cover with the top mounting holes of the chase leg uprights. Install both adjoining chase assemblies to the 90° corner cover with one #10-24 x $^3/_8$" self-tapping Torx screw each, through the mounting holes as was done with the inner connectors (Figure 2).

7. To install an end-of run cover, see page 6 instructions, step 6.

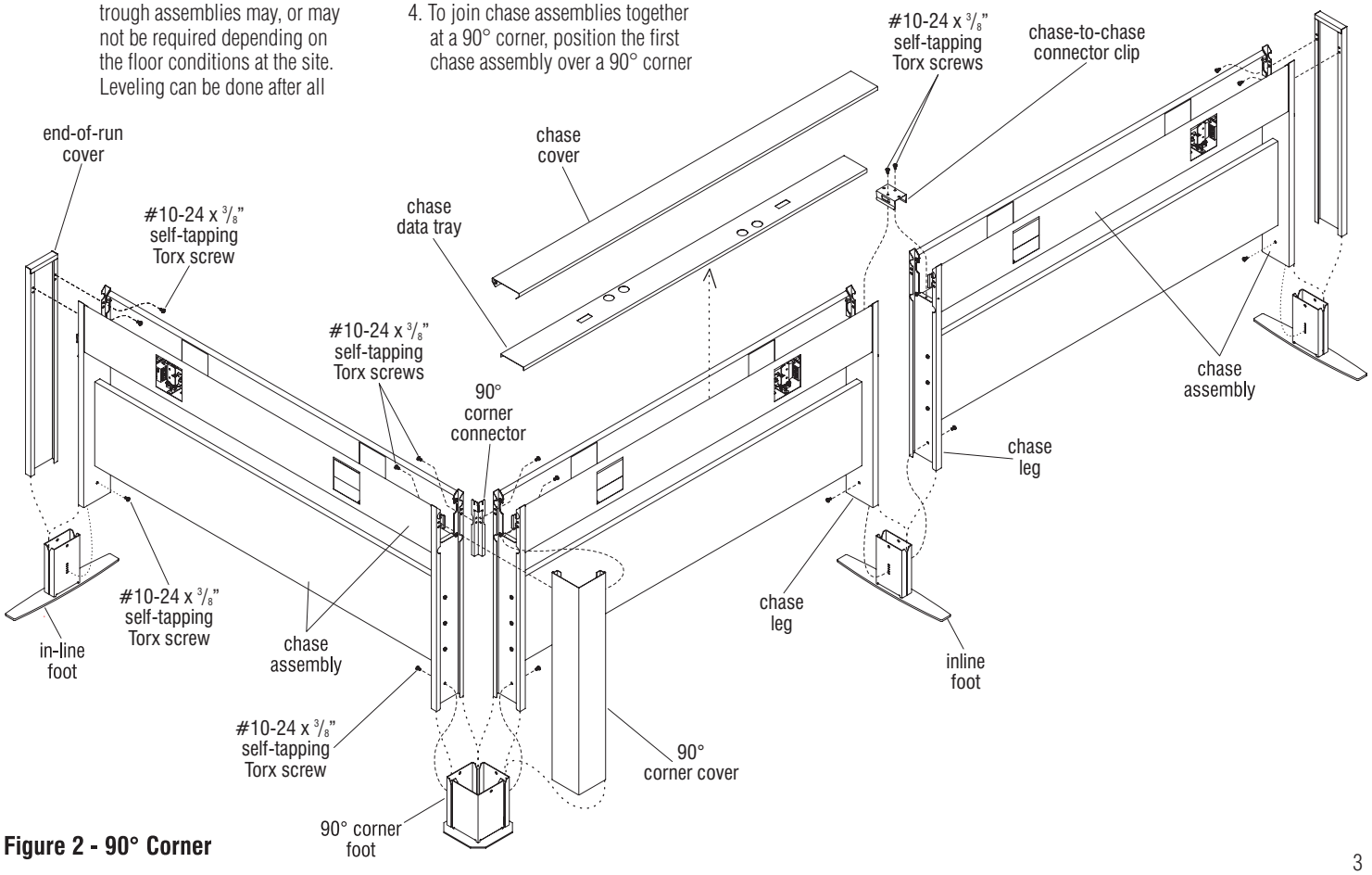

Figure 2 - 90° Corner

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Four-Way Intersection Assembly

Note: The instructions below and Figure 3 illustrate a four-way corner configuration of chase assemblies. Please reference appropriate instructions and the space-planning layout to determine the location and configuration of the room.

1. If the chase trough assembly shipped with a chase cover and/or chase data tray pre-installed,remove those components at this time and carefully set aside for later use (Figure 3).

   Note: Inline feet and the 90° corner foot are equipped with five holes in each side of the upright to be used with #10-24 x $^3/_8$" Torx screws for leveling purposes, if required. Leveling of the chase run of trough assemblies may, or may not be required depending on the floor conditions at the site. Leveling can be done after all units of a configuration are assembled to their final location in the room.

2. Each chase assembly which will install to the 90° corner foot must first be installed to an inline foot at the opposite end of the chase. To install a chase leg to the inline foot, simply insert the bottom open end of the leg over the upright bracket of an inline foot as illustrated (Figure 3).

3. To install chase assemblies into a four-way intersection, one at a time position a chase assembly over a 90° corner foot as shown. Insert the lower part of the chase leg over the upright bracket of the 90° corner foot, in a similar manner as installing to an inline foot (Figure 3).

4. Four-way intersections require that four 90° corner connectors be used at the top. Orient the four corner connectors between the adjoining chase assemblies as illustrated, aligning two holes of each chase assembly with the two holes on each flange of the connector. Using a 6" long T-25 driver (provided), secure each connector to both adjoining chase assemblies as illustrated with one #10-24 x $^3/_8$" self-tapping Torx screw at each 90° inner connector flange (Figure 3).

5. To install an end-of run cover, see page 6 instructions, step 6.

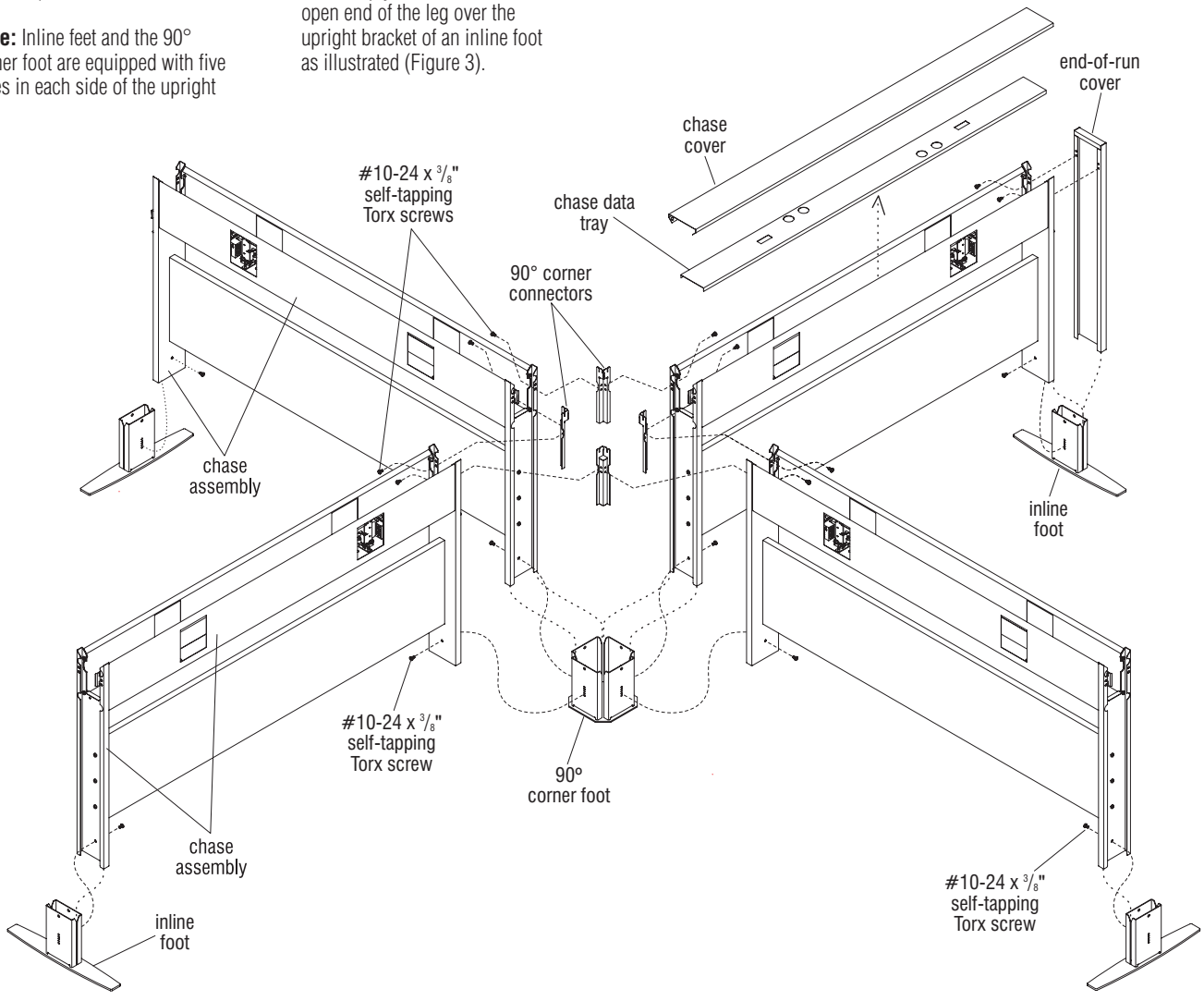

Figure 3 - Four-Way Intersection

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Three-Way Intersection Assembly
Note: The instructions below and Figure 4 illustrate a three-way, 120° configuration of chase assemblies. Please reference appropriate instructions and the space-planning layout to determine the location and configuration of the room.

1. If the chase trough assembly shipped with a chase cover and/or chase data tray (not shown) pre-installed, remove those components at this time and carefully set aside for later use.

   Note: Inline feet and the 120° corner foot are equipped with five holes in each side of the upright to be used with #10-24 x $^3/_8$" Torx screws for leveling purposes if required. Leveling of the chase run of trough assemblies may, or may not be required depending on the floor conditions at the site. Leveling can be done after all units of a configuration are assembled to their final location in the room.

2. Each chase assembly which will install to the 120° corner foot must first be installed to an inline foot at the opposite end of the chase. To install a chase leg to the inline foot, simply insert the bottom open end of the leg over the upright bracket of an inline foot as illustrated (Figure 4).

3. To install chase assemblies into a three-way intersection, one at a time position a chase assembly over a 120° corner foot as shown. Insert the lower part of the chase assembly leg over the upright bracket of the 120° corner foot, in a similar manner as installing to an inline foot (Figure 4).

4. Three-way intersections require that three 120° corner connectors be used at the top. Orient the three inner connectors between the adjoining chase assemblies as illustrated, aligning two holes of each chase assembly with the two holes on each flange of the connector. Using a 6" long T-25 driver (provided), secure each connector to both adjoining chase assemblies as illustrated with one #10-24 x $^3/_8$" self-tapping Torx screw at each 120° corner connector flange (Figure 4).

5. To install an end-of run cover, see page 6 instructions, step 6.

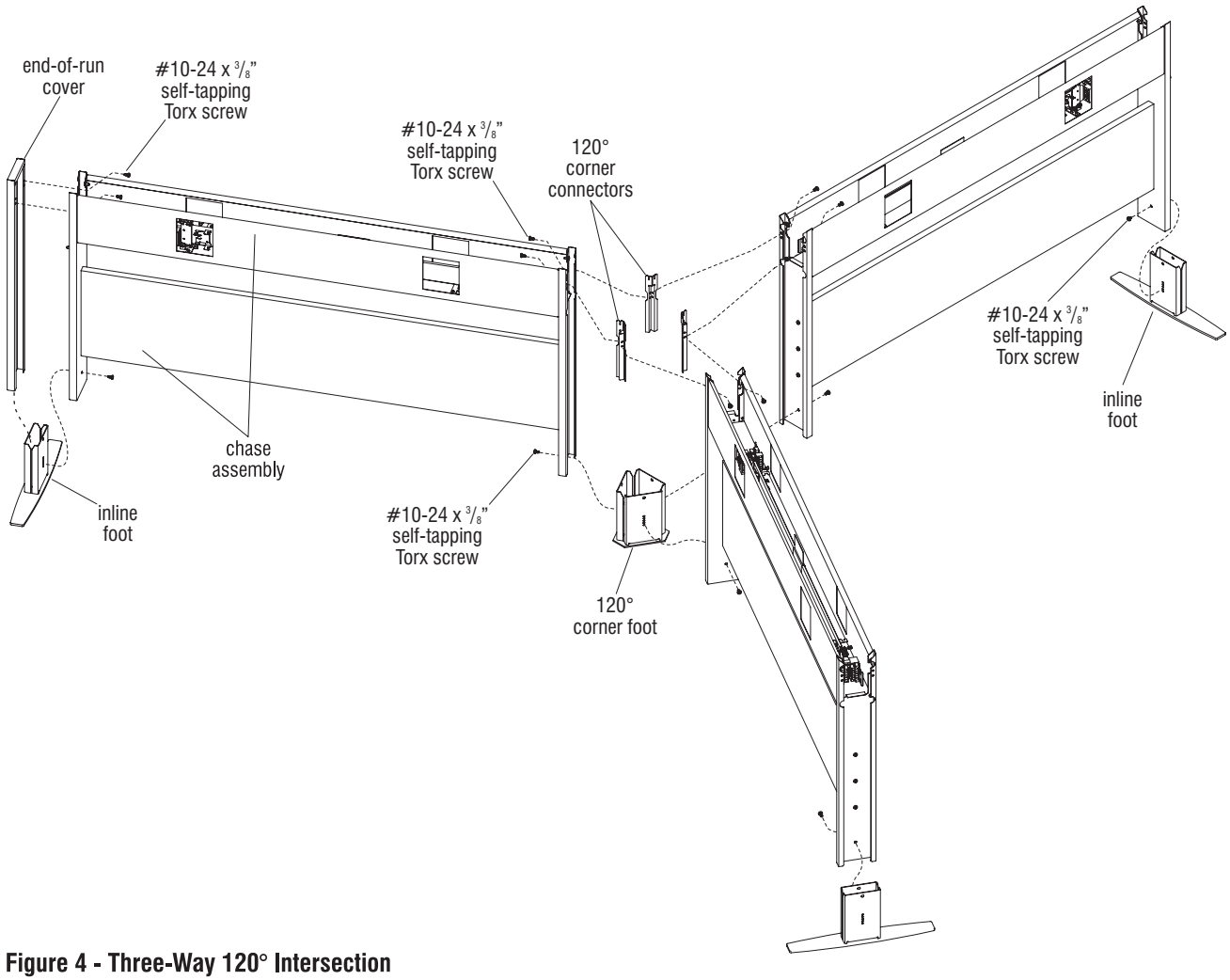

Figure 4 - Three-Way 120° Intersection

CAUTION

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120° Corner Assembly

Note: The instructions below and Figure 5 illustrate a 120° corner configuration of chase assemblies. Please reference appropriate instructions and the space-planning layout to determine the location and configuration of the room.

1. If the trough assembly shipped with a chase cover and/or chase data tray (not shown) pre-installed, remove those components at this time and carefully set aside for later use.

   Note: Inline feet and the 120° corner foot are equipped with five holes in each side of the upright to be used with #10-24 x 3/8" Torx screws for leveling purposes, if required. Leveling of the chase run of trough assemblies may, or may not be required depending on the floor conditions at the site. Leveling can be done after all units of a configuration are assembled to their final location in the room.

2. Each chase assembly which will install to the 120° corner foot must first be installed to an inline foot at the opposite end of the chase. To install chase leg to the inline foot, simply insert the bottom open end of the leg over the upright bracket of an inline foot as illustrated.

3. To install two chase assemblies into a 120° corner, one at a time position the assemblies over a 120° corner foot as shown. Insert the lower part of the chase leg over the upright bracket of the 120° corner foot, in a similar manner as installing to an inline foot (Figure 5).

4. Where two chase assemblies join, three 120° corner connectors must be used at the top to join the two chase assemblies, and also attach to the end-of-run cover, installed last. Orient the three corner connectors between the adjoining chase assemblies as illustrated, aligning two holes of each chase assembly with the two holes on each flange of the connector. Using a 6" long T-25 driver (supplied), secure each connector to both adjoining chase assemblies as illustrated with one #10-24 x 3/8" self-tapping Torx screw at each 120° corner connector flange (Figure 5).

5. To install an end-of-run cover to the corner, first orient the cover with the closed end face up. Insert the bottom open end over the upright bracket of the 120° corner foot, and also align the top of the end-of run cover with the 120° corner connectors. Push down until top inner vertical flange of the cover hooks and bottoms out in the slots of 120° corner connectors. Align the mounting holes of the 120° corner connectors with the holes in the top of the end-of run cover and secure using two #10-24 x 3/8" self-tapping torx screws (Figure 5).

6. To install an end-of-run cover to the end of a chase unit, first orient the cover as illustrated with the closed end upward, then insert and press the bottom, open end down over the upright of the inline foot. Next, align the top mounting holes of the end-of-run cover with the mounting holes in the inside, top of the chase leg. Use a 6" long T-25 driver bit (supplied) and secure together using two #10-24 x 3/8" self-tapping Torx Screws (Figure 5).

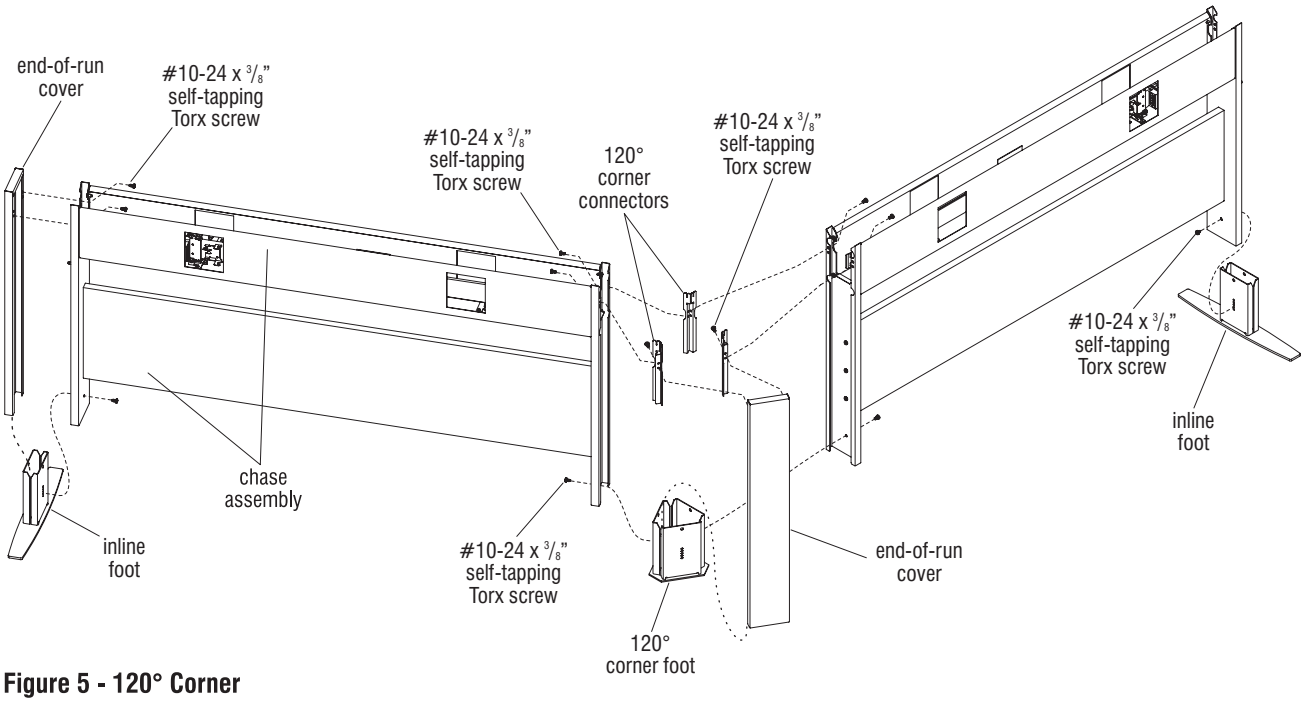

Figure 5 - 120° Corner

WARNING: Assembly of all mechanical frame components must be completed before making any electrical connections. All electrically connected furnishings must also be mechanically connected.

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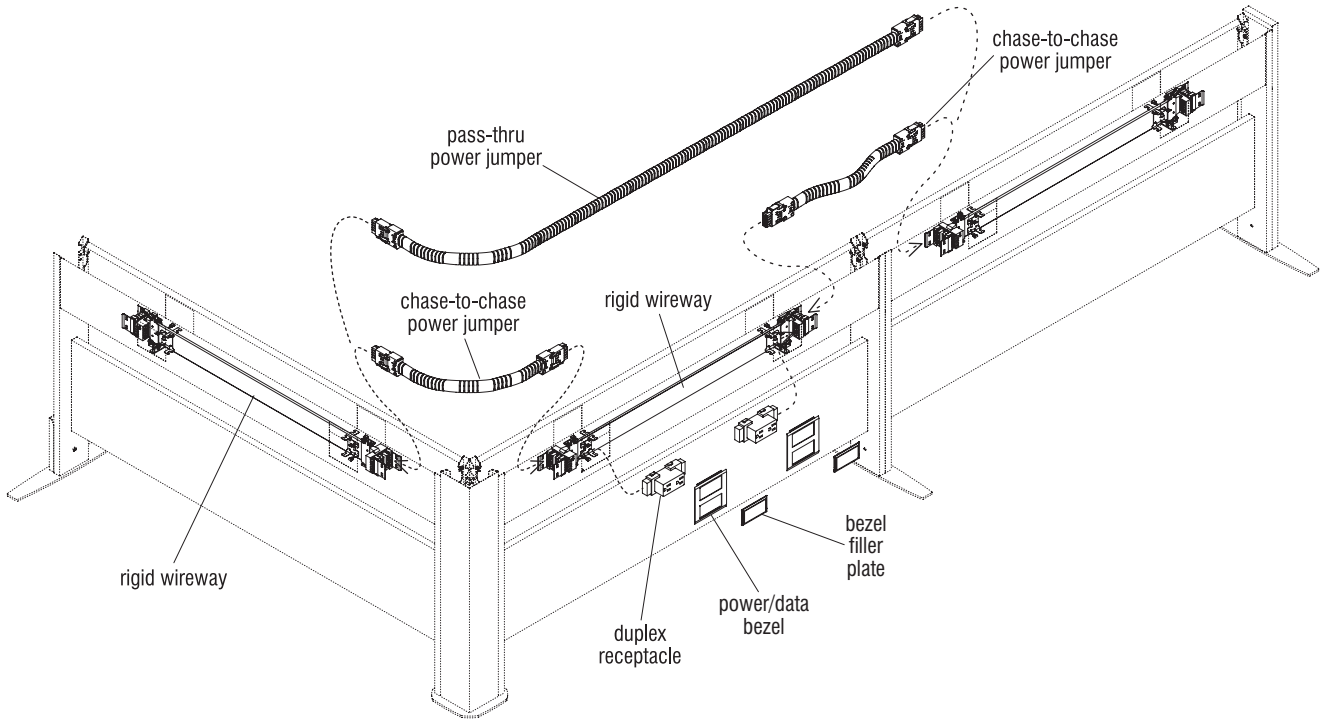

Figure 6 - Electrical Components

Electrical Component Installation

1. Install duplex receptacles first. Where specified by the space-planning layout, rotate the receptacle through the side opening in the chase trough assembly and snap the receptacle into the 10-wire rigid wireway as illustrated (Figure 6).
2. The opening in the bezel above the receptacle will require either a filler plate or a data plate (installed later, leave open now). If data is not specified for above a receptacle, snap a bezel filler plate into the power/data bezel at this time and snap the bezel into the rectangular opening in the trough (Figure 6).

   Note: All chase units must be mechanically connected together, with all rigid wireways secured before installing chase-to-chase power jumpers.
3. Per the space-planning layout, determine the location of chase-to-chase power jumpers and snap them into place between rigid wireways (Figure 6).
4. To continue power from a chase with a 10-wire rigid wireway, through a chase with no power, into a chase with a rigid wireway, a pass-thru power jumper is required (Figure 6).

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Top Infeed End Cover, Power Infeed Installation

Note: All chase units must be mechanically connected together, with all rigid wireways and chase-to-chase power connections properly installed before adding power infeed and before connecting infeed to the power source.

1. Per the space-planning layout, determine which chase assembly end will have 10-wire top infeed conduit. Begin top infeed installation by first removing the upper two #10-24 x $^3/_8$" self-tapping Torx screws which attach the chase leg of the chase assembly to the horizontal beam of the assembly. Next, locate and position a power pole support bracket over the same mounting holes where the above screws were removed, and re-attach the bracket over the leg and into the end of the trough using the same screws (Figure 7).

2. As illustrated, snap the plug-end of the 10-wire top infeed conduit into the end of the rigid wireway in the trough assembly and let the remaining flexible conduit run up through the opening in the power pole support bracket (Figure 7).

3. Make sure the chase unit to receive the 10-wire top infeed conduit is in its final location, and is level. At the ceiling, directly above the location where the 10-wire top infeed conduit will exit the top infeed end cover, drop a plumb line to a corner of the infeed opening in the end cover, transfer that location to the ceiling, then carefully mark and cut hole in the ceiling to be $1^5/_8$" x $2^3/_4$" for the power pole to go through at a later time.

   Note: The power pole consists of an assembly of three extruded pieces which must be cut to proper length. The outer pieces are covers. The inner piece has a larger cavity for running data, and the smaller cavity is for running power infeed (Detail A).

4. Place the assembled power pole next to the chase assembly at the power pole support bracket location, and orient the pole straight up so the top of the pole touches the ceiling. Add 4" to the distance from the ceiling to the top of the power pole support bracket, then mark and cut the three pieces of the aluminum power pole to that length.

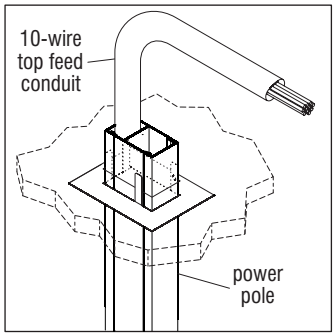
   Note: The power cavity cover is shown removed in Figure 7. Pole and power can be run up into the ceiling in different ways, with the covers on or off for power and data installation. The steps below outline just one way.

5. Route the 10-wire end of conduit up into the assembled, cut-to-size (step 4) power pole. Take a ceiling trim plate and bend the four tabs up, just less than 90° at the side that will face the ceiling (Figure 7). Push the ceiling trim plate up tight to the ceiling at the hole which was cut in step 3, inserting tabs through ceiling opening, then bend the tabs out to secure plate to ceiling. Push the 10-wire ends of the power infeed out through the pole, and press the pole and wires into the area above the ceiling (Figure 7 & Detail A).

6. Push the top of the power pole up through the ceiling trim plate and into the opening cut in the ceiling high enough to allow the bottom of the pole to move over and fit down over the power pole support bracket. Set the bottom of the power pole down to rest on the power pole support bracket such that the tabs capture the divider in the power pole (Figure 7).

7. Take the top infeed end cover and position it with the power pole cut-out to the top as illustrated and raise it over the inline foot at the power infeed end. Simply insert the bottom open end of the top infeed end cover over the upright bracket of the inline foot and slide it down. At the top of the top infeed end cover, use a 6" long T-25 driver bit to attach two #10-24 x $^3/_8$" self-tapping Torx screws through the chase leg of the chase and into the top infeed end cover as illustrated (Figure 7).

   Note: The power infeeds are to be connected to the power source by a qualified electrician who must follow all state and local codes at the building site and check the electrical integrity of the finished system.



Detail A

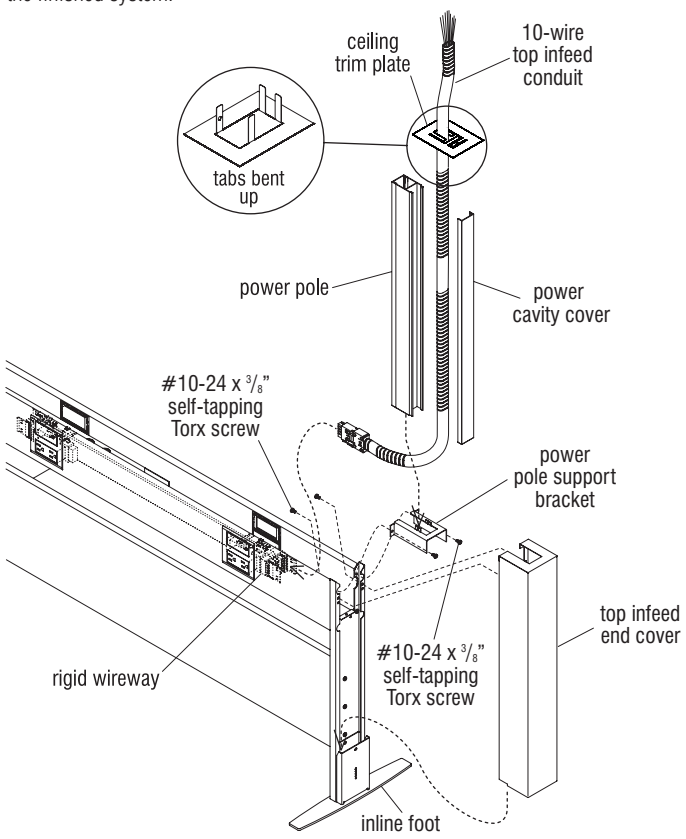


Figure 7 - End Top Infeed Power

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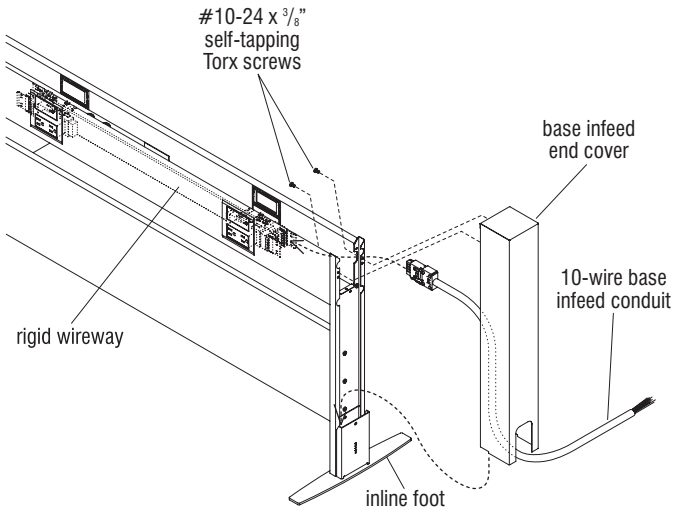

Figure 8 - End Base Infeed Power

Base Infeed End Cover, Power Infeed Installation

Note: All chase units must be mechanically connected together, with all rigid wireways and chase-to-chase power connections properly installed before adding power infeed, and before connecting infeed to the power source.

1. Per the space-planning layout, determine which chase assembly end will have 10-wire base infeed conduit. Begin base infeed installation by first snapping the plug-end of the 10-wire base infeed conduit into the end of the rigid wireway in the trough assembly. Allow the remaining flexible conduit to drape down the end of the chase leg (Figure 8).

2. Take a base infeed end cover in hand, position it with the closed end to the top as illustrated and raise it over the inline foot at the power infeed end. Simply insert the bottom open end of the base infeed end cover over the upright bracket of the inline foot and slide it down such that the 10-wire base infeed flexible conduit exits through the bottom opening (Figure 8).

3. At the top of the base infeed end cover, use a 6" long T-25 driver bit (supplied) to attach two #10-24 x 3/8" self-tapping Torx screws through the upright of the chase and into the base infeed end cover as illustrated (Figure 8).

   Note: The power infeeds are to be connected to the power source by a qualified electrician who must follow all state and local codes at the building site and check the electrical integrity of the finished system.

CAUTION

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Middle Top Infeed Cover, Power Infeed Installation

Note: All chase units must be mechanically connected together, with all rigid wireways and chase-to-chase power connections properly installed before adding power infeed, and before connecting infeed to a power source.

Important: Per the space-planning layout, a location specified for middle power infeed will be between two inline chase units that each have their own inline foot. The chase units will have a 3 5/8" spacing between their chase legs when the 10-wire top infeed conduit unit is installed (Figure 10).

1. At one chase assembly (left shown), a power pole support bracket must be installed. Begin by removing the upper two #10-24 x 3/8" self-tapping Torx screws which attach the leg of the chase assembly to the to the horizontal beam of that assembly. Next, locate and position a power pole support bracket over the mounting holes where the above screws were removed, and secure the bracket over the leg and into the end of the trough using the same #10-24 x 3/8" screws (Figure 9).

2. At the same chase assembly which had the power pole support bracket attached to it in step 1 above, snap the plug-end of the 10-wire top infeed conduit into the rigid wireway end. At the other socket location in the same rigid wireway, plug in a chase-to-chase power jumper, routing it under the installed power pole support bracket and then plug the other end of the jumper into the rigid wireway of the second (right-hand shown) chase assembly. (Figure 9).

3. Move the two inline chase units together to be 3 5/8" apart between legs as illustrated (Figure 10).

4. Take the middle top infeed cover in hand, orient as illustrated and **bend the four bottom tabs,** two at each side, inward 90°. The bent tabs will help align the cover at the bottom when it is installed (Detail B). Take care to assure that the two chase units are 3 5/8" apart between chase legs, then route the 10-wire top infeed conduit through the top of the middle top infeed cover, slide the cover down between the chase units and engage the four bent tabs with the tops of the two inline feed. Press the cover down until it meets the top of the feet (Figure 10).

5. At the top of the middle top infeed cover, from inside of both chase units, use a 6" long T-25 driver bit to attach four (two at each side) #10-24 x 3/8" self-tapping Torx screws through the upright of each chase and into the infeed cover as illustrated (Detail C).

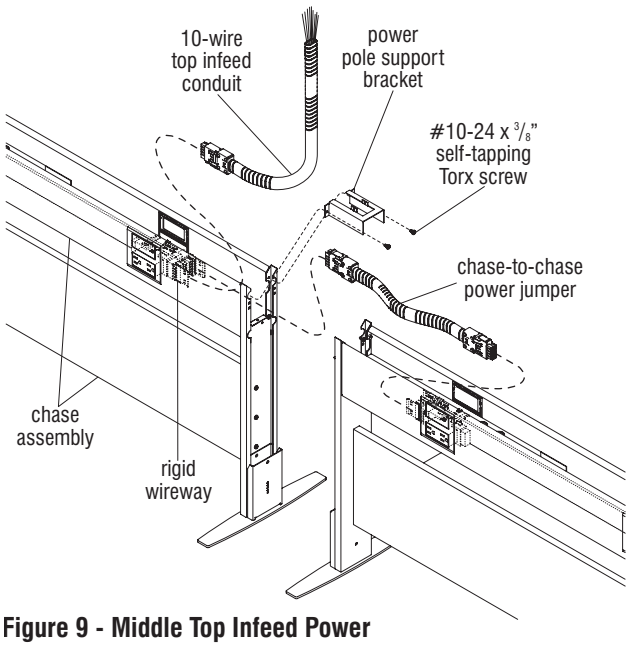
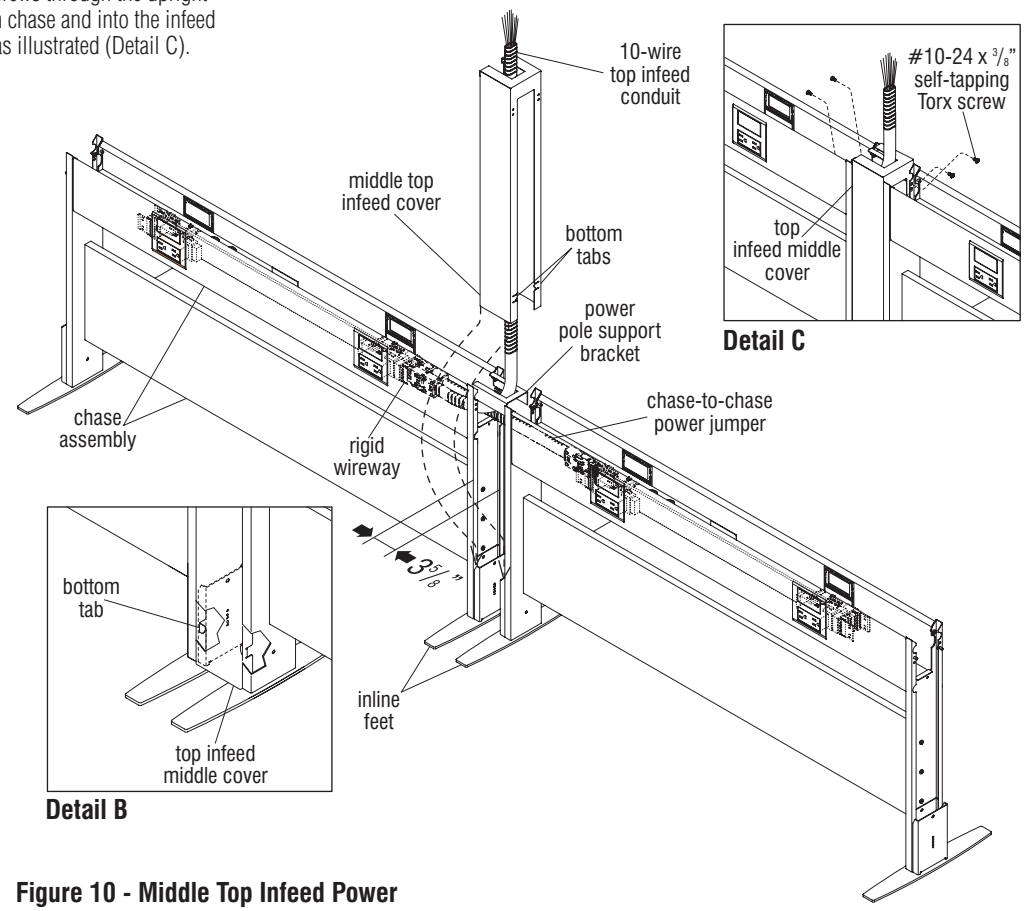


Figure 9 - Middle Top Infeed Power



Detail C

Detail B

Figure 10 - Middle Top Infeed Power

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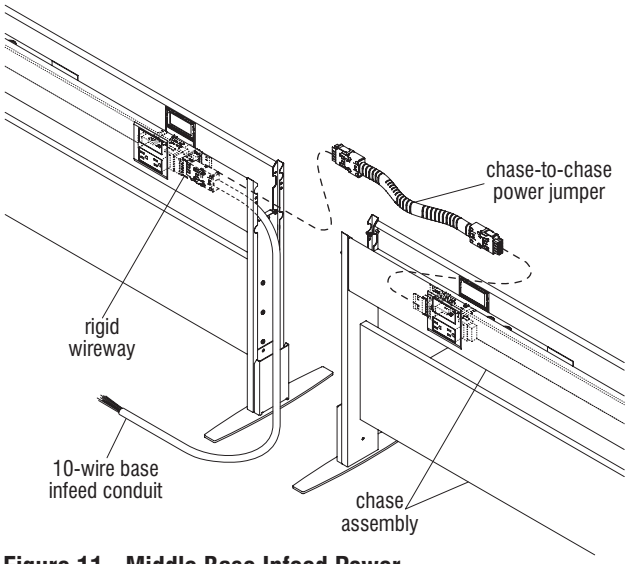


Figure 11 - Middle Base Infeed Power

Middle Base Infeed Cover, Power Infeed Installation

Note: All chase units must be mechanically connected together, with all rigid wireways and chase-to-chase power connections properly installed before adding power infeed, and before connecting infeed to a power source.

Important: Per the space-planning layout, a location specified for middle power infeed will be between two inline chase units that each have their own inline foot. The chase units will have a 3⅝" spacing between their chase legs when the base infeed middle cover is installed (Figure 12).

1. At one chase assembly (left shown), begin by snapping the plug of the 10-wire base infeed conduit into the rigid wireway end, then let the 10-wire end rest out the side of the two chase units where the base feed will enter (Figure 11).

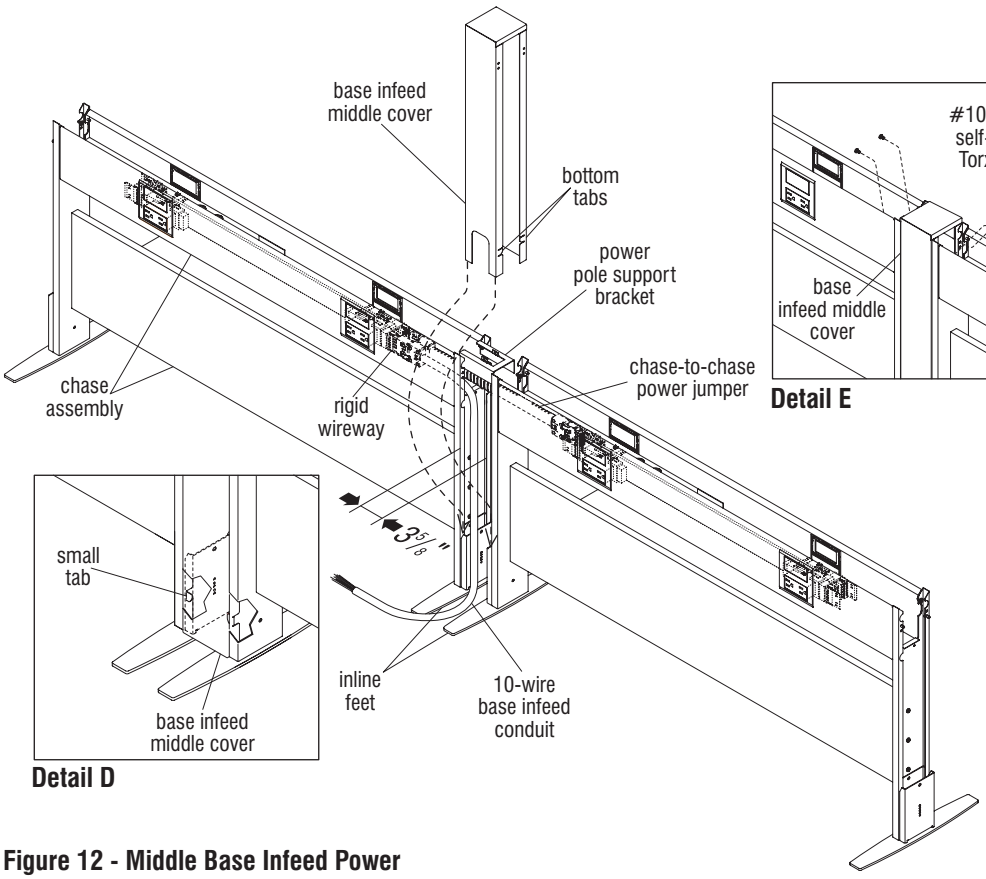
2. At the other socket location in the same rigid wireway, plug in a chase-to-chase power jumper, routing the other end of the jumper over and plugging it into the rigid wireway of the second (right-hand shown) chase assembly (Figure 11).

3. Move the two inline chase units together to be 3⅝" apart between chase legs as illustrated (Figure 12).

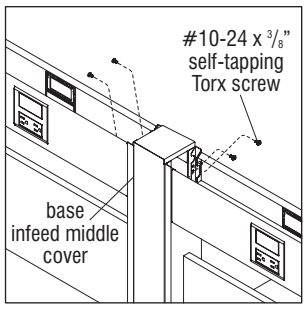
4. Take the base infeed middle cover in hand, orient as illustrated and **bend the four bottom tabs,** two at each side, inward 90°. The bent tabs will help align the cover at the bottom when it is installed (Detail D). Take care to assure that the two chase units are 3⅝" apart between chase legs, then orient the base infeed middle cover as illustrated and slide the cover down between the chase units and engage the four bent tabs with the tops of the two inline feet. Press the cover down until it meets the top of the feet while allowing the base feed to exit out the opening (Figure 12).

5. At the top of the base infeed middle cover, from inside of both chase units, use a 6" long T-25 driver bit to attach four (two at each side) #10-24 x ⅜" self-tapping Torx screws through the upright of each chase and into the infeed cover as illustrated (Detail E).

Note: The power infeeds are to be connected to the power source by a qualified electrician who must follow all state and local codes at the building site and check the electrical integrity of the finished system.



Detail D



Detail E

Figure 12 - Middle Base Infeed Power

CAUTION

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Hardwire Electrical Box Installation

Note: All chase units must be mechanically connected together, with all electrical components properly installed before connecting infeed to the source power.

1. Per the space-planning layout, determine where power infeed will enter chase unit as well as where all hardwire electrical boxes will install in run of chase units.

2. At all side openings in the trough, snap in a power & data bezel from the outside of the trough. At any time now or later, bezel filler plates may be snapped into all locations not receiving a data outlet or a receptacle (Figure 13).

3. Per the space-planning layout, build the required string of hardwire boxes with conduit to fit precisely at receptacle openings in chase units (Figure 13). Follow all state and local codes at the building site. Opposite facing boxes at the same end of a chase unit will be 7" on center (Detail F).

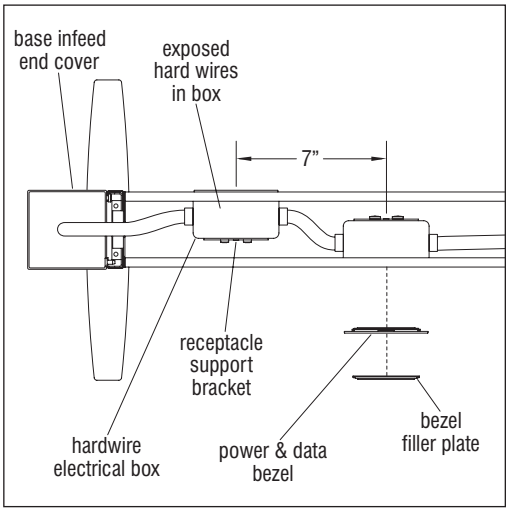
4. **Run all required wiring and install customer supplied hardwire duplex receptacles to boxes before attaching boxes to beam of chase units.**

5. At hardwire electrical box locations specified, use the alignment tab under the receptacle support brackets to locate and position box/bracket assembly over pre-drilled holes in bottom of trough. From under the trough, use two #10-24 x $^3/_8$" screws to attach each bracket to bottom of trough (Figure 13).

Note: The power infeeds are to be connected to the power source by a qualified electrician who must follow all state and local codes at the building site and check the electrical integrity of the finished system.

6. Take a base infeed end cover in hand, position it with the closed end to the top as illustrated and raise it over the inline foot at the power infeed end. Simply insert the bottom open end of the base infeed end cover over the upright bracket of the inline foot and slide it down such that the 10-wire base infeed flexible conduit exits through the bottom opening (Figure 13).

7. At the top of the base infeed end cover, use a 6" long T-25 driver bit (supplied) to attach two #10-24 x $^3/_8$" self-tapping Torx screws through the upright of the chase and into the top infeed end cover as illustrated (Figure 13).



Detail F

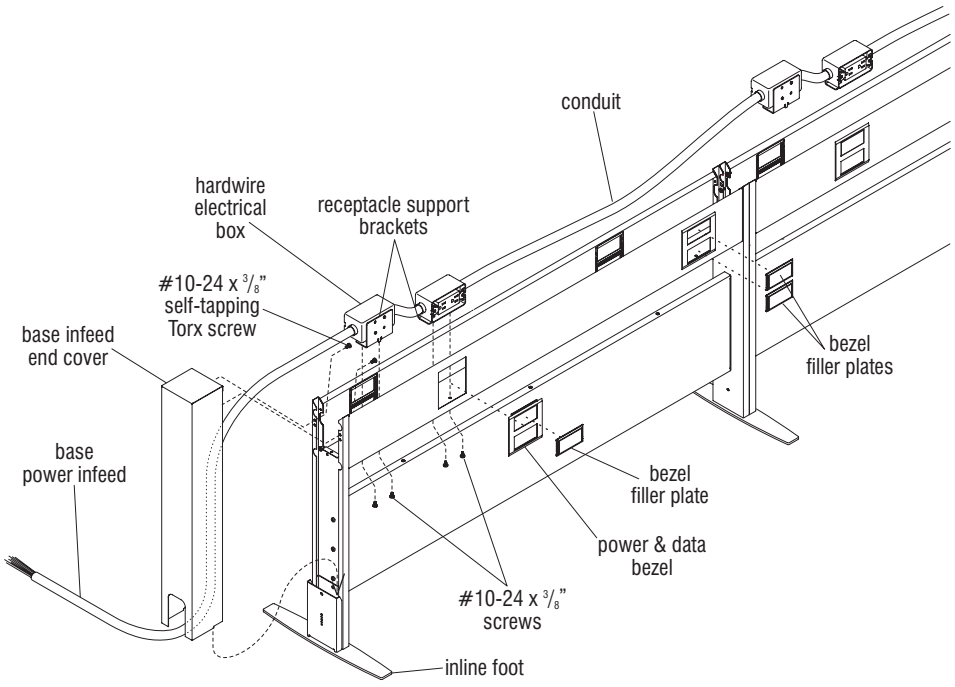
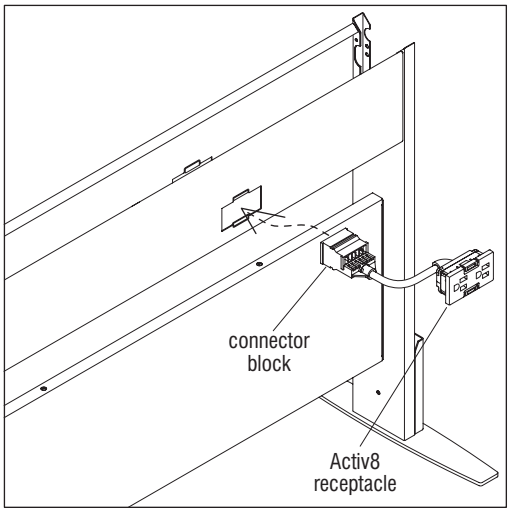


Figure 13 - Hardwire Power

CAUTION

Assemble units as described herein only. To do otherwise may result in instability. All screws, nuts and bolts must be tightened securely and must be checked periodically after assembly. Failure to assemble properly, or to secure parts may result in assembly failure and personal injury.



Detail C

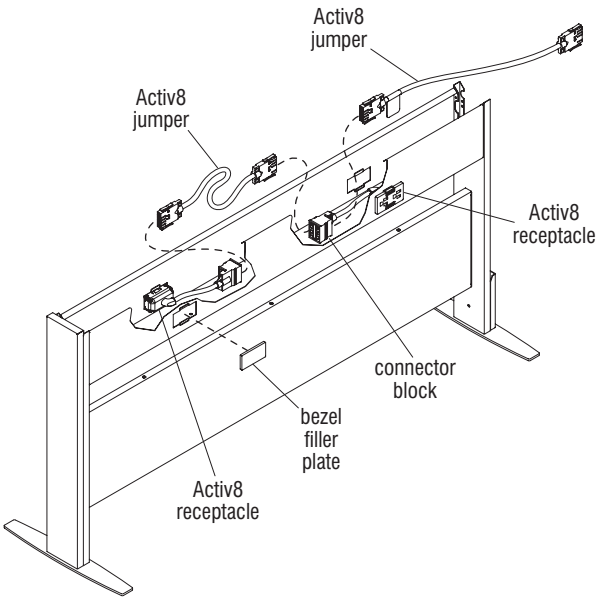


Figure 14

Activ8 Electrical Installation

Note: All chase units must be mechanically connected together, with all chase-to-chase power connections properly made before connecting power infeed to a power source.

1. Reference the space-planning layout to determine where Activ8 receptacles and correct size Activ8 jumpers are specified to install.

2. Determine which openings in the side of the trough will receive Activ8 receptacles. At locations not receiving a receptacle, snap in a bezel filler plate (Figure 14).

Note: The space-planning layout will outline which receptacles and jumpers go where, but the receptacle and connector block may need to be routed in one direction or another to make proper connection with a jumper specified for it's location.

3. Locate and stage Activ8 jumpers out along the run of chase units at the location specified by the space-planning layout. This is to help determine which direction the connector block must run once it enters the trough.

4. To install an Activ8 receptacle, first twist the connector block of the receptacle so it fits through the opening from the outside and route the connector block the direction it must go. Press the receptacle into the opening and snap it into the trough (Detail G).

5. Per the space planning layout, connect Activ8 jumpers to connector blocks of Activ8 receptacles along the run of chase units.

6. Determine which chase unit end will have 10-wire base or top infeed conduit. The plug-end of the power infeed will connect into the connector block in the trough assembly (Figure 14). For 10-wire base or top infeed conduit installation instructions, refer to "Top Infeed End Cover, Power Infeed Installation" on page 8 and "Base Infeed End Cover, Power Infeed Installation" on page 9.

Note: The power infeeds are to be connected to the power source by a qualified electrician who must follow all state and local codes at the building site and check the electrical integrity of the finished system.

CAUTION

Assemble units as described herein only. To do otherwise may result in instability. All screws, nuts and bolts must be tightened securely and must be checked periodically after assembly. Failure to assemble properly, or to secure parts may result in assembly failure and personal injury.

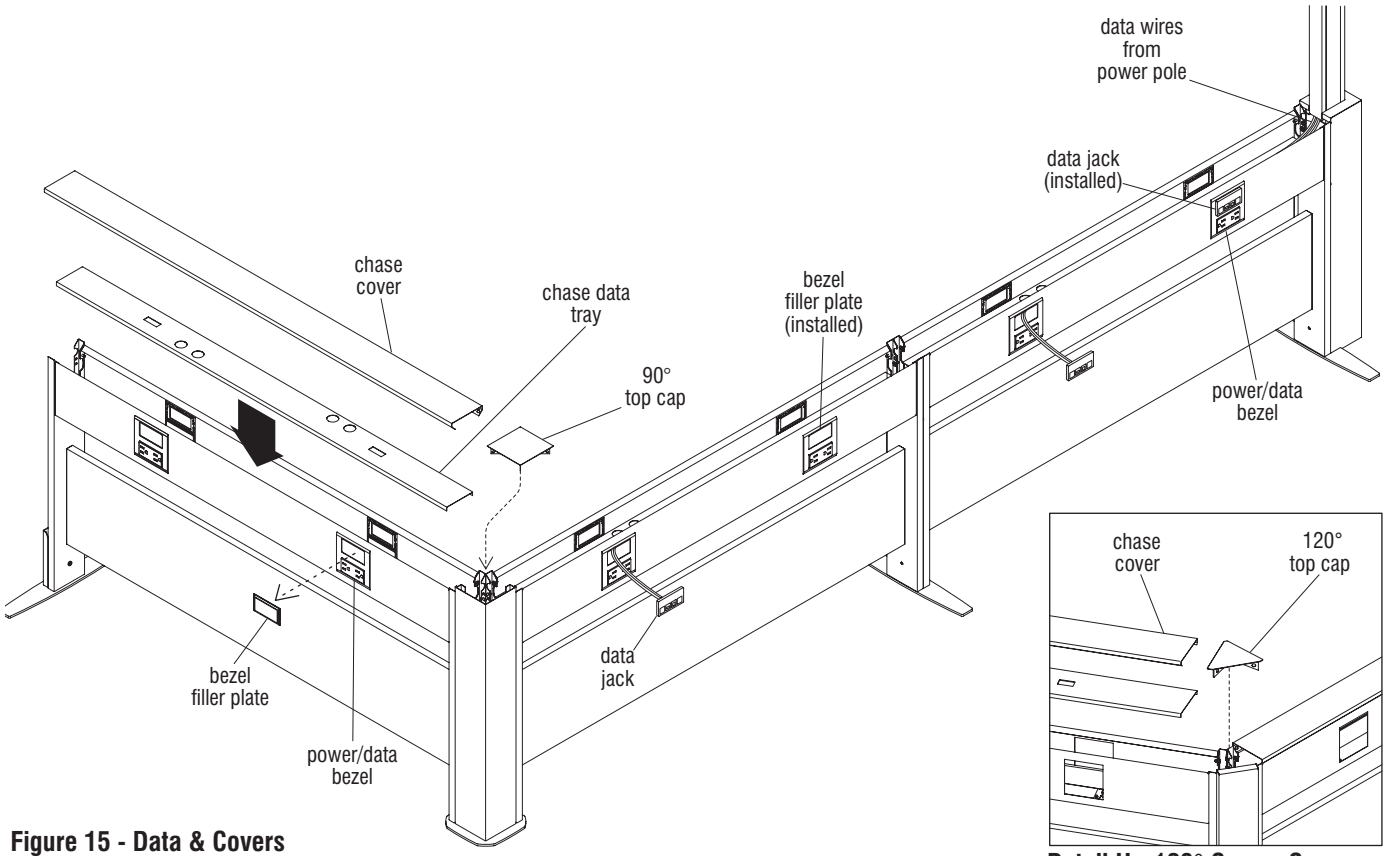


Figure 15 - Data & Covers

Detail H - 120° Corner Cap

Data Cable Management
Note: Data cables must only be run after all chase units are mechanically connected together, and after all power has been installed.

1. Per the space-planning layout, determine data jack locations required in chase assemblies and remove bezel filler plates (if not previously removed) from installed power/data bezels (Figure 15).

2. Data cables which run through chase assemblies must be routed above optional chase data trays (if specified). Orient trays with the side flanges pointing down as illustrated and set a tray onto the rigid wireway inside the trough of each chase assembly (Figure 15).

3. Route data wires from their source (power pole shown) and along the top of installed power/data dividers to desired jack locations (Figure 15).

4. Make all data jack connections per the manufacturer's specifications.

5. After all data connections have been made, the chase covers and corner/intersection caps can be snapped onto the top of each chase assembly (Figure 15 & Detail H).

WARNING: Assembly of all mechanical frame components must be completed before making any electrical connections. All electrically connected furnishings must also be mechanically connected.

CAUTION

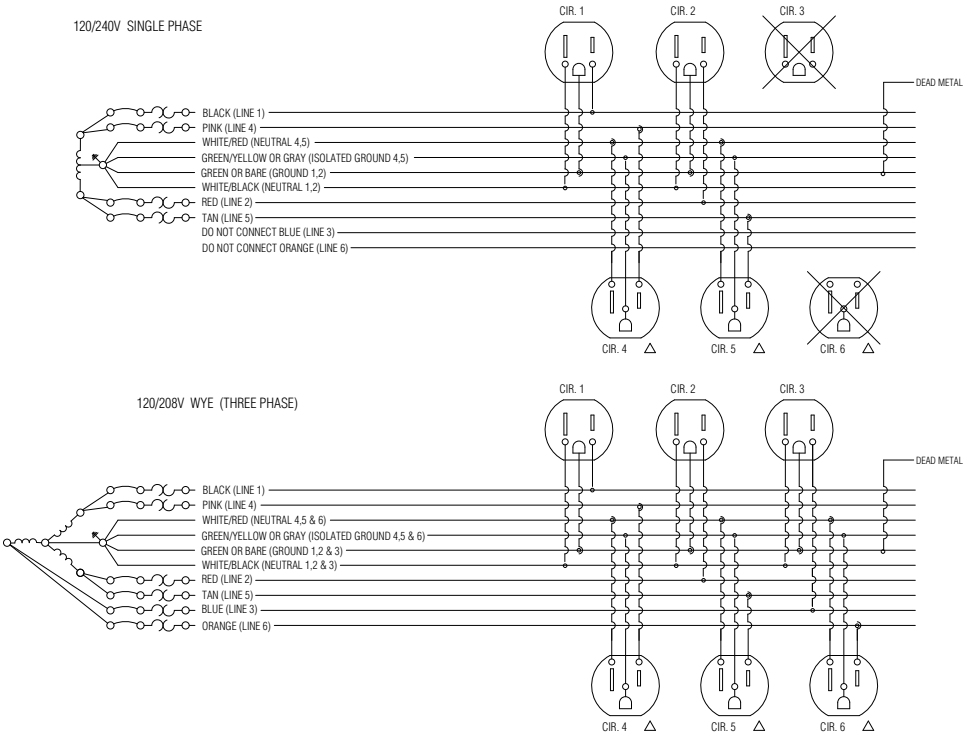
Assemble units as described herein only. To do otherwise may result in instability. All screws, nuts and bolts must be tightened securely and must be checked periodically after assembly. Failure to assemble properly, or to secure parts may result in assembly failure and personal injury.

Electrical Requirements and Compliance

Plan circuits based on the actual amperage draw of known equipment.

- Be aware of the NEC requirement that limits circuit capacity to 80 percent (16 amps) for circuits with continuous operating loads (more than 3 hours, e.g.; lighting, computers, etc).
- Never exceed maximum capacities or local code limitations.
- KNOW YOUR LOCAL CODES! They always take precedence.
- Determine the equipment needs for any dedicated or isolated ground circuits and plan circuit loading and power feeds accordingly.
- Circuit loading should be balanced. Plan a circuit load that is within 50 percent of the loads on the other circuits. (Balance does not apply to dedicated circuit).
- Place receptacles for known equipment only, never exceeding maximums allowed per code (13 duplexes per circuit, or local code restrictions, whichever is smaller).
- If any single piece of equipment draws more than 60 percent of the available amperage of a circuit, it must be the only device connected to that circuit. Example: A device draws 15 amps on a 20 amp circuit (75%); therefore, nothing else can be connected to the circuit the device is on.
- Always have your electrical space plans reviewed by a licensed electrician or electrical inspector to ensure that they meet all code requirements.

10-wire electrical
6-2-2 connection diagram



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