

Vox[®]

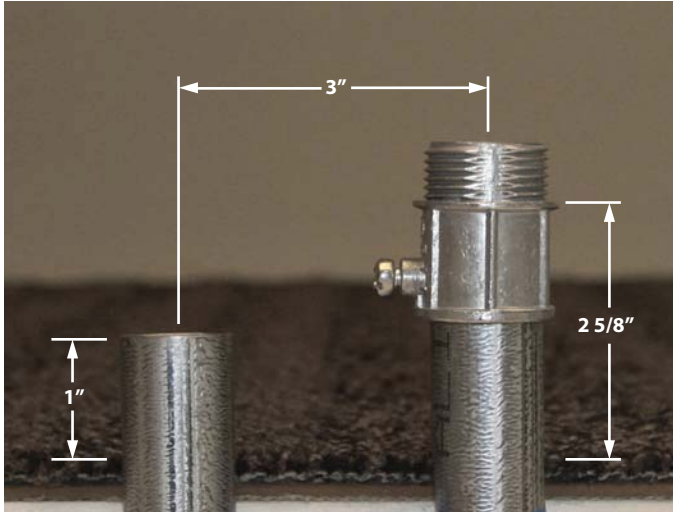
CORE TOWER WIRING INSTRUCTIONS

Tel 800 668 9318
Tel 416 298 5700
Fax 416 298 9535
mail@nienkamper.com
www.nienkamper.com

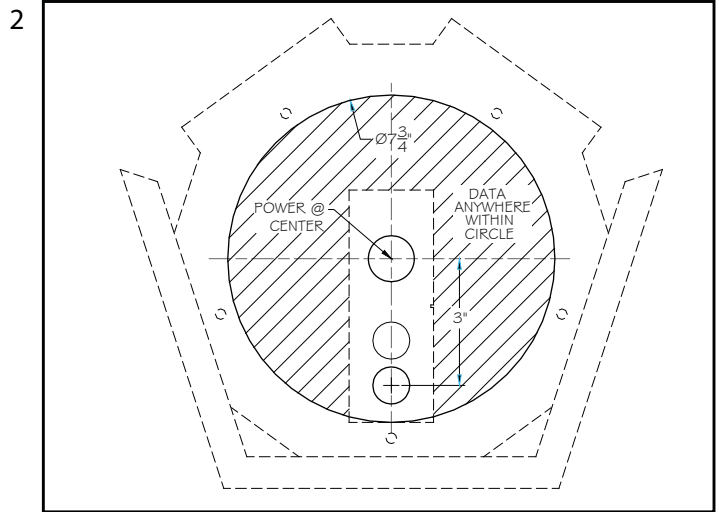
CONNECTING BUILDING FEED TO VOX® CORE TOWER™

Various site conditions can exist that define the methods used to bring the buildings power into Vox Core Towers. The following options describe those methods

OPTION 1 – Power through slab or raised flooring directly into the bottom of the power channel

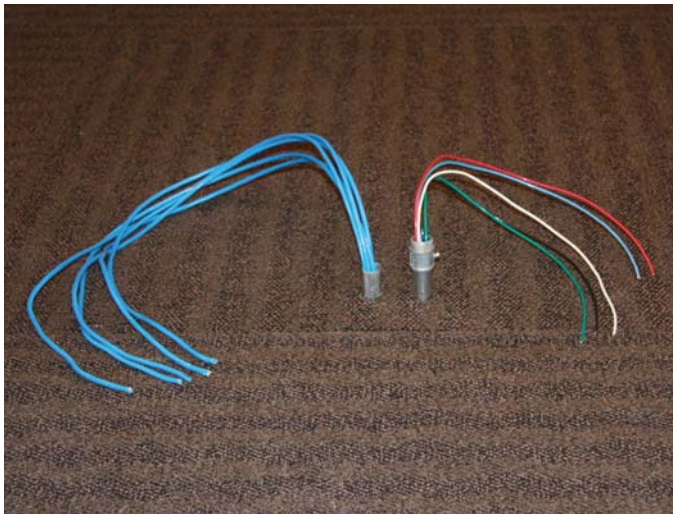


To locate the power and data conduits correctly into the base of the power channel specific dimensions are required for both, see image (1).



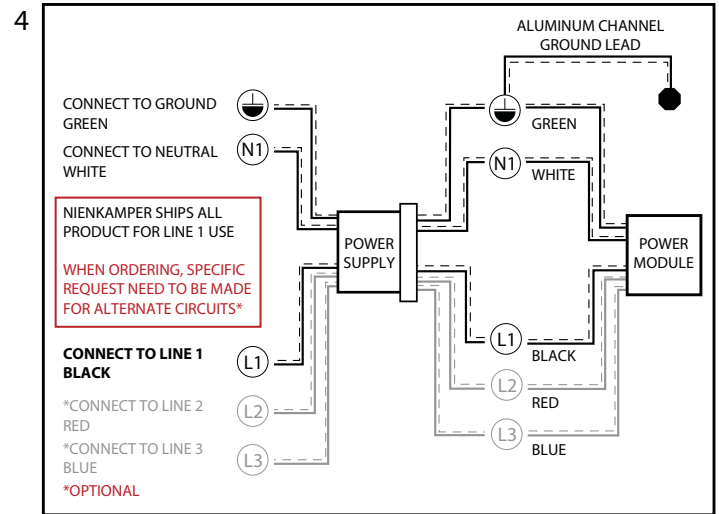
To facilitate the correct orientation of these connections a full size paper template is provided with every core tower, see image (2). This template can also be downloaded from Nienkamper's website: www.nienkamperlibrary.com/Detail.aspx?sm=10&prod=223

Note: When locating the Core Tower must consider the desks overall layout



Once the correct diameter (3/4" ID) of metal conduit, the correct height and separation distance is provided for the conduit; cabling may begin.

At least 18" of power cable and 28" of data cable is required for terminations, see image (3).



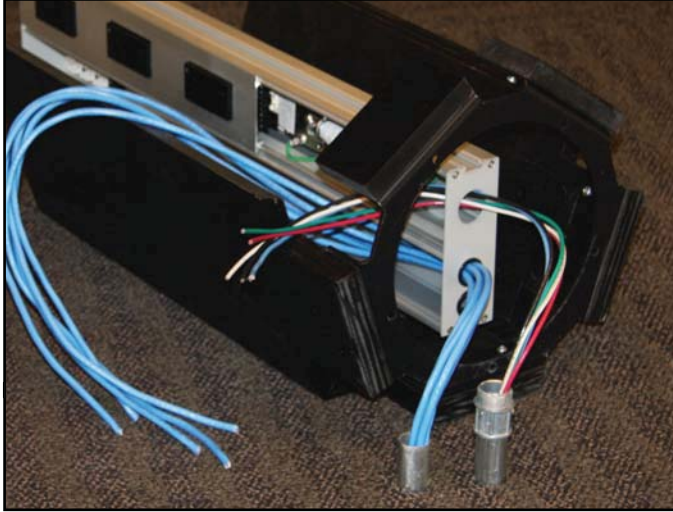
All Power channels are provided with up to 3 potential circuits (black, red and blue wires) though most installations require a single circuit on the black wire, see image (4).

This circuit corresponds with the numbered receptacle 1 shown on the face of each receptacle Nienkamper ships

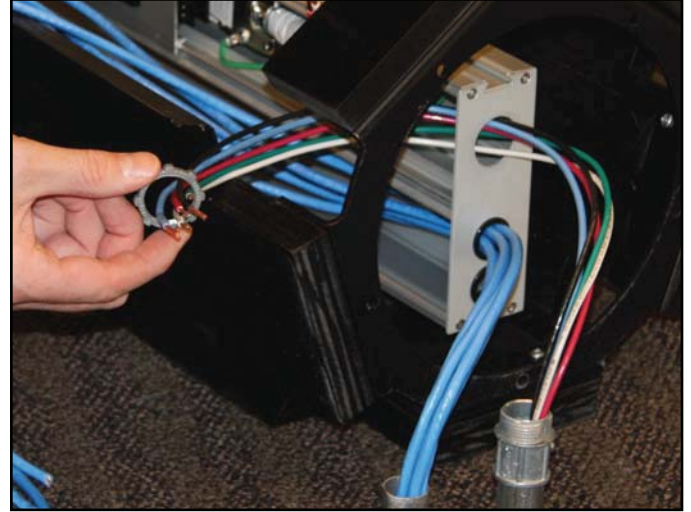
CONNECTING BUILDING FEED TO VOX® CORE TOWER™

Various site conditions can exist that define the methods used to bring the buildings power into Vox Core Towers

OPTION 1 – Continued



Remove the power and data faceplates at the base. Place the Core Tower on it's side and bring ground, neutral and hot wires up through the floor conduit and enter the base of the power channel securing a metallic strain relief to the conduit, see image (5).



Slip the threaded strain relief nut over the cables and down towards the base of the channel. This will be tightened later, see image (6).

If data cabling is also being provided, bring these wires up through the base as well, entering the channel through 1 or both of the 2 adjoining end plate holes.



Lift the core tower into a vertical position while sliding the metallic strain relief into the channel. Tighten the strain relief nut to lock the conduit in place. Terminate the power connections inside the power channel, see image (7).

Snap the faceplate into the power channel opening.

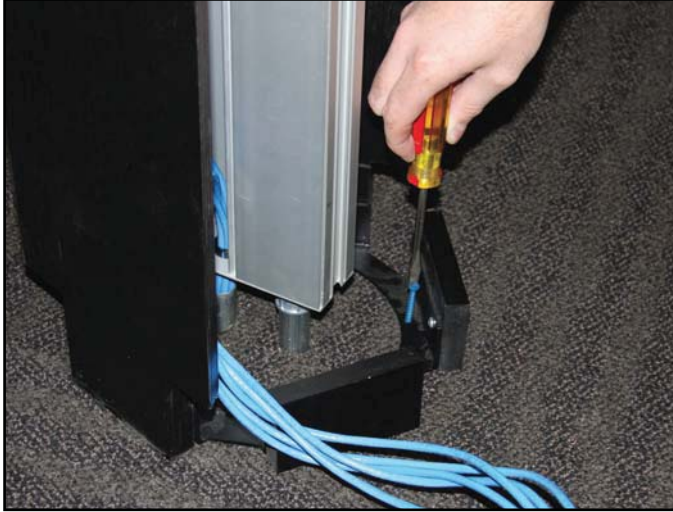


Terminate the data cables by punching each down and snapping the fitting into the bezel, see image (8).

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OPTION 1 – Continued



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Fasten the metal frame of the core tower (at least two positions) to the floor with appropriate floor fasteners, see image (9).

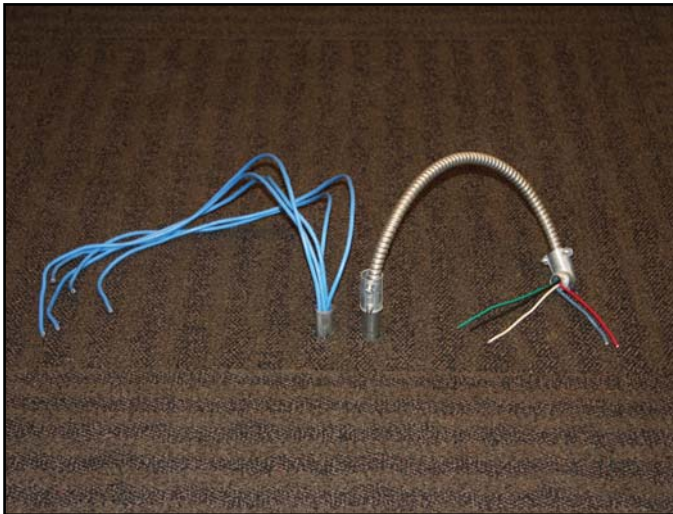
10



Slid the cover of the Core Tower over the internal frame and place the lid on the assembly, see image (10).

OPTION 2 – Power through slab or raised flooring indirectly into the bottom of the power channel

If the conduit does not align with the hole at the base of the power channel but does fall within the footprint of the core tower a flexible metallic extension will be required.



11

With a coupling attach a flexible metallic cable extension and a 90 degree metallic strain relief to the end. The entire length of this assembly should not be less than 30", see image (11).

12



The access hole in the plate of the power channel is 7/8" in diameter. A reducer coupling may be required to make this connection, see image (12).

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Various site conditions can exist that define the methods used to bring the buildings power into Vox Core Towers

OPTION 2 - Continued



13 13A

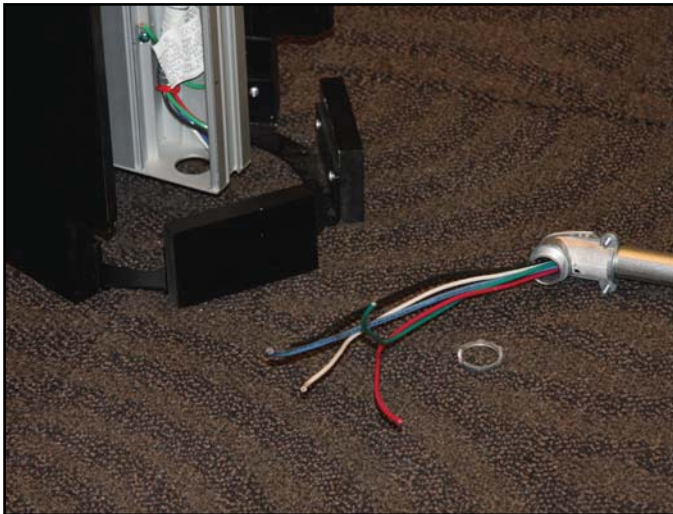
Make the connection into the Power Channel Base tighten the strain relief nut., see image (13 - 13A).



Follow images 4 through 10 of OPTION 1 (the previous installation method) to complete.

Option 3 – Bringing power remotely to the power channel.

If power connections are not within the footprint of the Core Tower



14 15

Conduit will enter one of the 5 corners of at its base. Image (14) illustrates the conduit and 90 degree strain relief that is needed to make the connection



The access hole in the plate of the power channel is 7/8" in diameter. A reducer coupling may be required to make this connection, see image (15) for finished installation.

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OPTION 3 - Continued



16

Slide the cover of the Core Tower over the internal frame, see image (16).

Option 4 – Soft wired option for power

When using this method of powering the Core Tower it is recommended that all cables being routed to the unit be covered from damage that may occur by chairs or any other floor obstruction



17

Using the aluminum cable protector model # 000000 carefully place the power cables and data cables into each side of the cable protector, see image (17).



18

Once inserted flip the cable protector over and slide the end against the opening at the base of the core tower. These two parts will nest together, see image (18).

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OPTION 2 - Continued



19 20



It is important to fix the cable protector in place. By sliding the black plastic strip aside appropriate fasteners can be used to attach the cable protector to the floor. A 3/16" dia. hole should be drilled through the cable protector at the locations desired, see image (19).

Power feed installation complete, see image (20).

Alternatively if screwing the cable protector in place is not an option there are two recessed areas under the cable protector where double sided tape carpet tape may be used.