

Chicago – Compliant Electrical Power

Tools Required

Drill-driver with #2 Phillips bit, Flathead screwdriver, Punch, necessary tools and testing equipment for connecting Interworks system to an original power source, Interworks Raceway Removal Tool (no charge – contact Customer Care team to order)

Hardware Available (see drawing on right)

Interworks Panels with Chicago Power Option:

- Internal raceway with raceway covers modified to access Leviton style plugs

Chicago Junction Box (J-Box):

- Two-part J-box with two end caps (for end feed)
- Eight #8-32 Phillips flathead undercut self-tapping screws

Chicago Side Feed Plate:

- Four side feed plates (use with Chicago junction box)

Electrical Hardware Required

Electrical installer must supply the following materials:

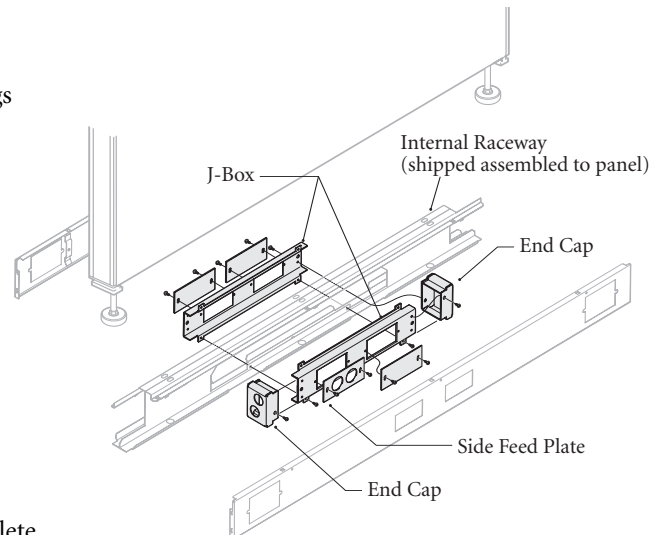
- Electrical wire, 12 AWG copper, color-coded for circuits and grounding
- ½" conduit, international metal hose AFS ½" trade size or equivalent
- ½" connectors
- Duplex receptacles, Leviton “Décor” #5325-1 or equivalent

General Information

Install Chicago-code electrical systems after the panel installation is complete.

- Interworks panels with Chicago Power Option accept the Chicago Junction Box (J-box)
Specify this J-box separately to allow necessary hardwiring of Chicago-code electrical components
- The installer must read, understand, and adhere to these instructions and all appropriate electrical guidelines
- Electrical system **MUST** be hardwired by an electrical contractor licensed by the City of Chicago
- Hardware supplied by electrician **MUST** be U.L. listed
- Electrical duplexes **CANNOT** be installed back-to-back

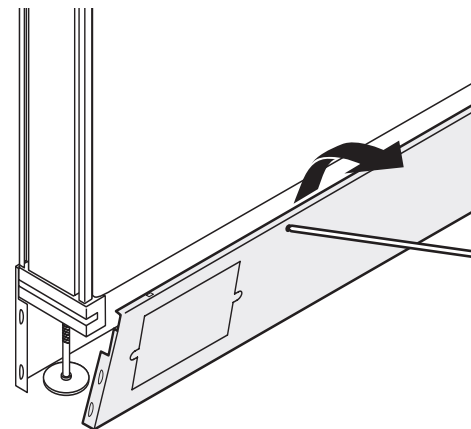
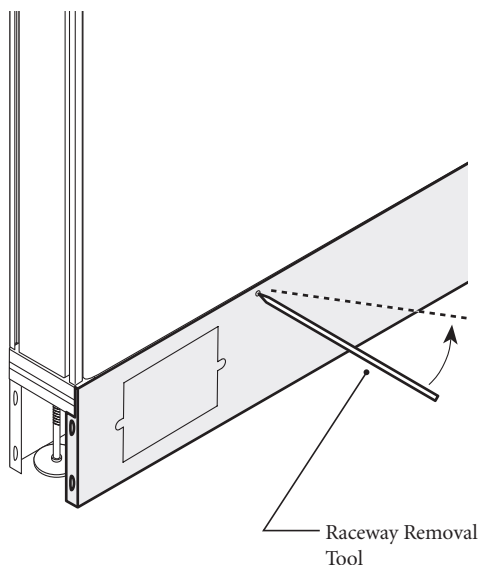
Note: Installation must be in accordance with the National Electrical Code and local codes. Electrically interconnected panels need to be mechanically connected.



Step 1

Remove Raceway Cover

- Insert raceway removal tool into hole at top of cover
- Lift up to release cover lock, repeat at other end of cover
- Hold tool in lock-release position and pull top of cover away from panel

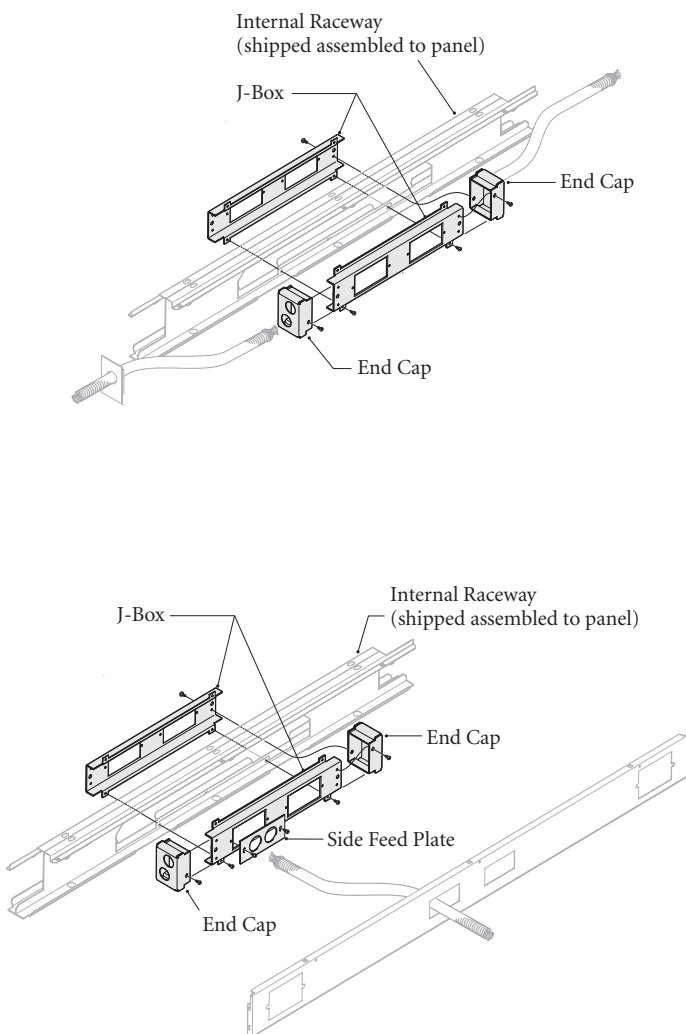


Chicago – Compliant Electrical Power, *continued*

Step 2

Install Power In-Feed

- According to electrical plan, decide how many power feeds the installation requires
- Connect power entry points, one for each group of stations, with no more than ten (10) duplex receptacles per circuit
- Remove knockouts to allow for in-feed of conduit:
 - For end-feed power, remove knockout(s) in J-box end cap(s)
 - For side-feed power, specify Chicago side feed plate(s) and remove knockouts
- Install each half of the J-box onto the panel electrical raceway with screws provided
- Install power entry conduit through knockout in end cap or side feed plate



Step 3

Install Chicago J-Boxes and Receptacles

Panels specified with the Chicago power option have an internal raceway that accepts the Chicago junction box (J-box)

Note: Electrician must provide Leviton receptacles (or equivalent)

DO NOT install receptacles back-to-back

- Install into rectangular knockouts provided in face of J-box so that plug faces outward, hardwire the receptacles using screws supplied with the duplexes
- Install each half of the junction box onto the panel electrical raceway with screws provided
- To continue hardwiring to the next panel, install ½" appliance flex jumper conduit and wire from the end cap to the end cap in the next panel

PRIOR TO ENERGIZING: test the system for its ability to withstand dielectric voltage (high potential) per U.L. 1286, text #33

- Replace Raceway covers

