PANEL:Form Backlit Panels - Installation Instructions

General Information

- PANEL:Form backlit panels are downward accessible panels made from 0.041 – 0.060 mm thick aluminum, design dependent.
- Offered in a variety of perforated styles, backlit panel styles, can be customized to fit both ceiling and wall applications.
- Backlit ceiling panels are designed to install on standard 15/16 HD grid and Maxxit custom suspension system. Can accommodate pre- slotted suspension systems.
- Metal Ceilings are engineered for use in seismic areas when installed in accordance with local code requirements.

Site Conditions

- Install only after spaces are free of construction debris, enclosed, weather-tight, and after all wet work and overhead work have been completed.
- Interior panels are not to be used in exterior applications or high moisture environments where water comes in direct contact with the panel.

Storage & Handling

- Do not store or install near an exposed flame, source of heat, or source of ignition.
- Store horizontally in the original carton in a dry, interior space.
- Clean gloves must be used to avoid fingerprints. When removed for install, the vertical panels should be stored in a flat, horizontal position.

Fire Performance

- Manufactured to meet ASTM E-84 Class 1 or A fire retardancy. Panels may interfere with fire sprinkler or fire detection system. Consult a fire protection engineer, NFPA 13, and their local code official for guidance on the proper installation.

Warranty

- A 1-year limited warranty (on panels) is available. Please consult www.maxxitgroup.com for details.

Colors

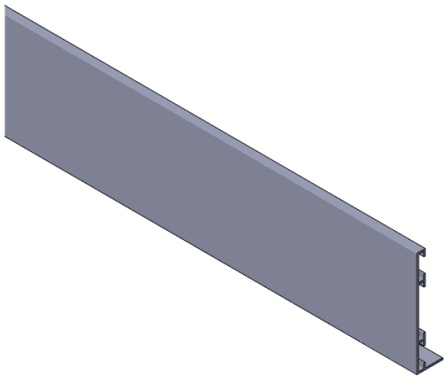
- Made with factory-applied polyester paint. Available in Standard Colors, Color Matched, Wood Look powder-coated and film.
- To maximize visual consistency, panels should be unpacked and examined collectively to determine the most desirable arrangement for installation.

Cutting Panels

- Care needs to be taken when cutting panels that include backlighting. Contact your Maxxit representative for best practices.

Perimeter Trim

- Trim solutions are supplied for both ceiling and wall applications.
- Supplied in 120” long pieces, to be cut and fit as required by installer.
- All pieces need to be clean trimmed from both ends prior to installing to achieve tight seams



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CEILINGS & WALLS

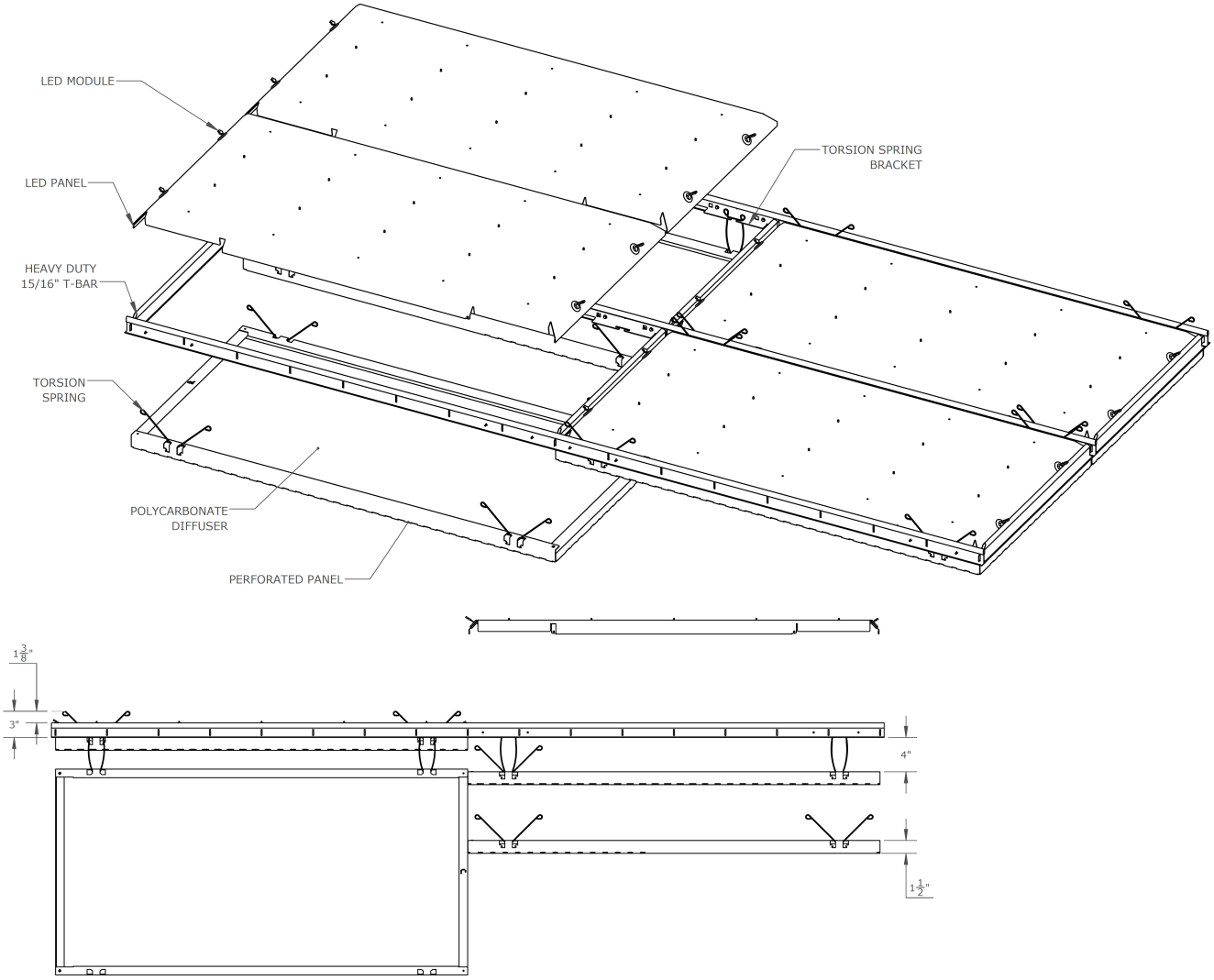
PANEL:Form Backlit Panels - Installation Instructions - CEILING

Installation on 15/16" heavy-duty grid.

- Inspect ceiling LED holding panel to ensure lights' alignment and adhesion.
- Drop LED holding panels onto T-bar grid and daisy chain a maximum of 4 panels with every power supply.
- Compress the torsion springs ends together and insert into the panel slots of perforated panels.
- Follow the pattern and install the perforated panels accordingly.
- Line up the panel springs with the slots in the main beam or cross tee, then compress the spring ends once again and insert into the main or tee.
- Press the panel in place. The springs will expand and hold the panel firmly in place.

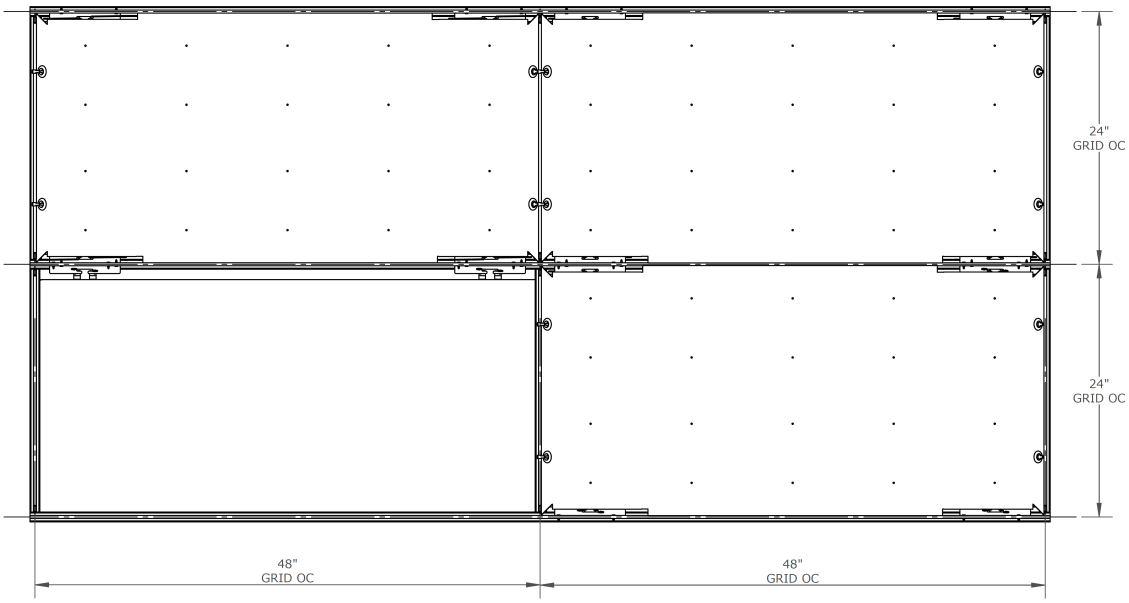
Panel removal:

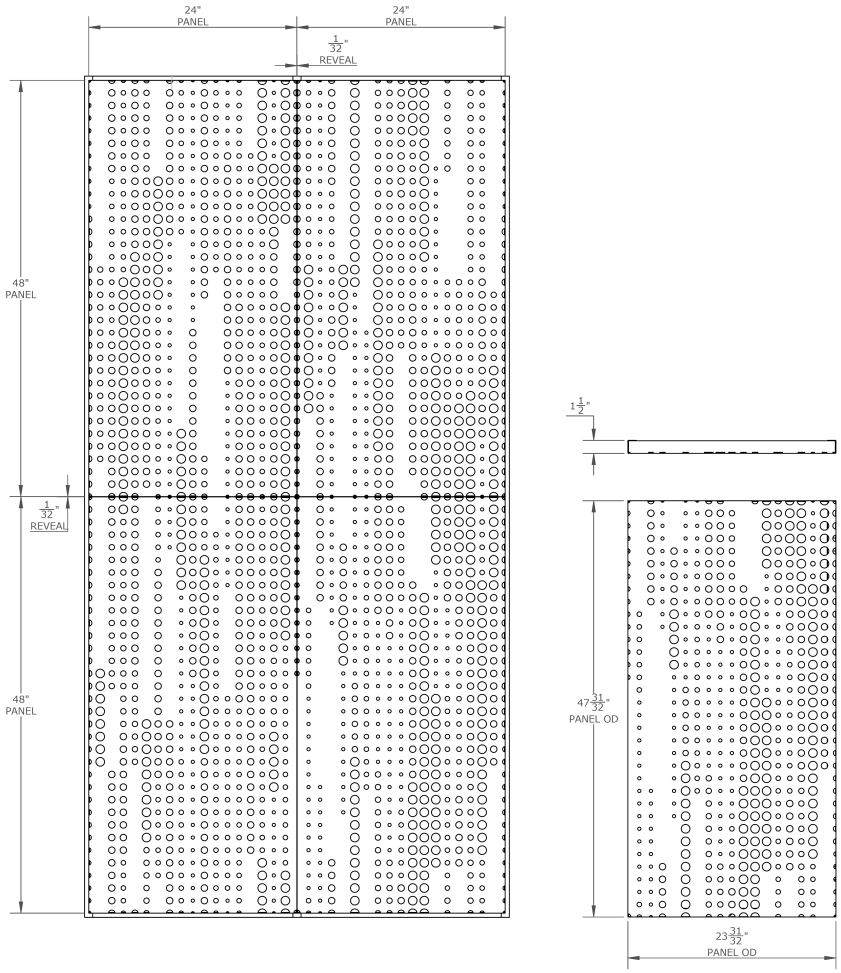
- Use a T shape shaped hook tool inserted into the panel joints to hook the top of the panel and gently pull it down till the torsion spring catches.
- Compress the torsion spring ends and remove it from the Main or Tee.
- Remove two adjacent torsion springs and the panel will swing open in place.
- For LED panel access leave the open panel in place to avoid damage or loss. LED holding panels can be removed for plenum access.



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PANEL:Form Backlit Panels - Installation Instructions - CEILING

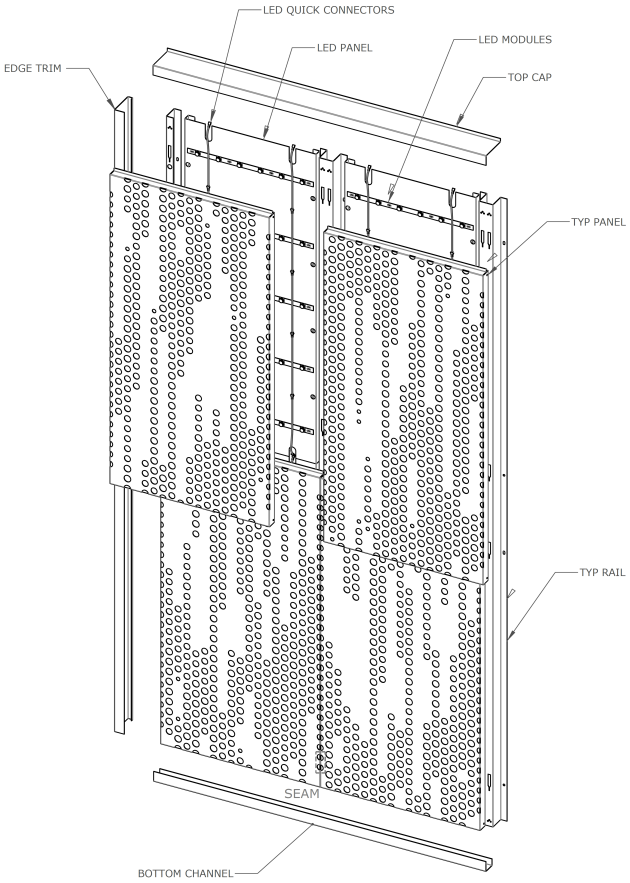


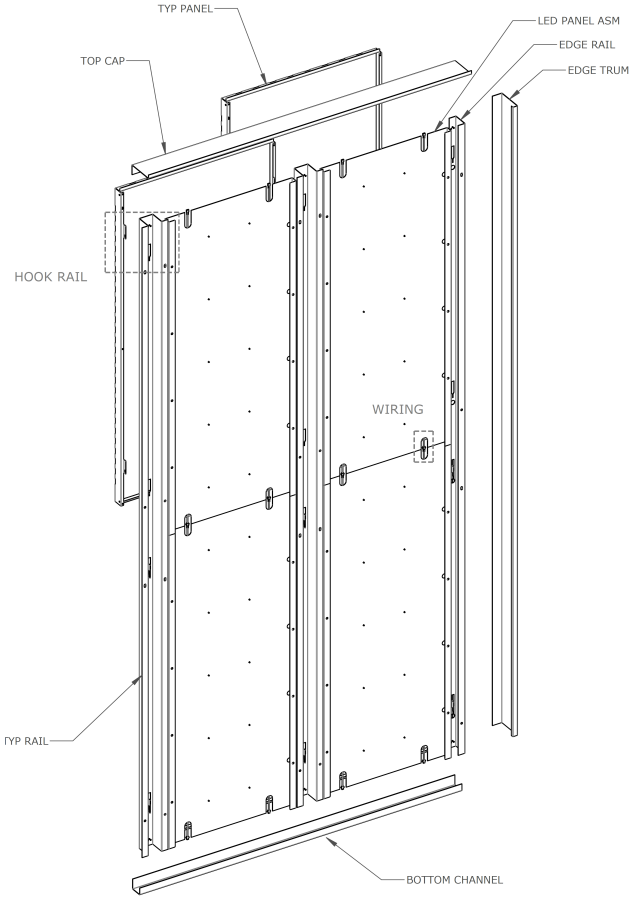


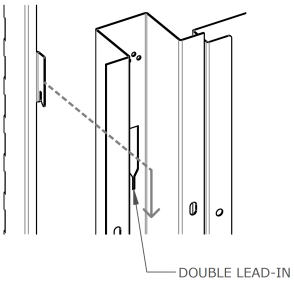
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PANEL:Form Backlit Panels - Installation Instructions - WALL

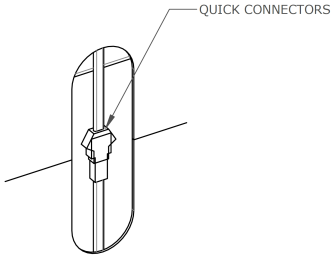
- Inspect wall LED holding panel to ensure lights' alignment and adhesion.
- Set up vertical rails for wall panels.
- Follow the pattern and install the perforated panels accordingly
- Anchor wall LED panels



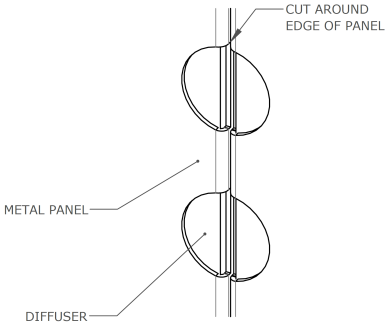




DETAIL HOOK RAIL



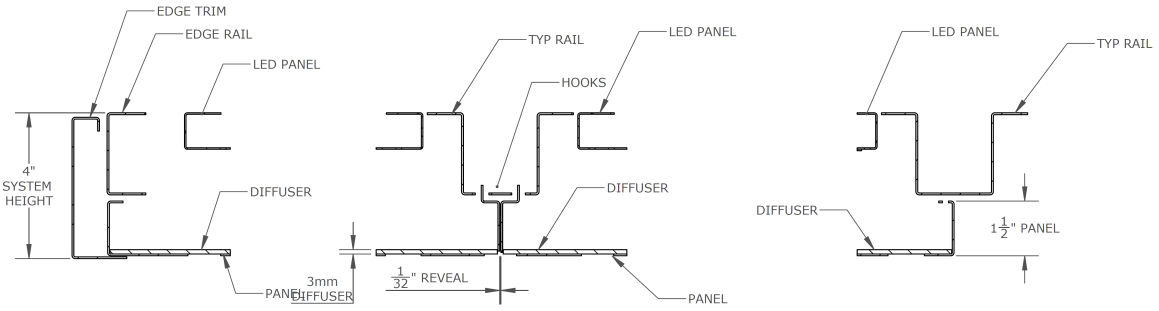
DETAIL WIRING

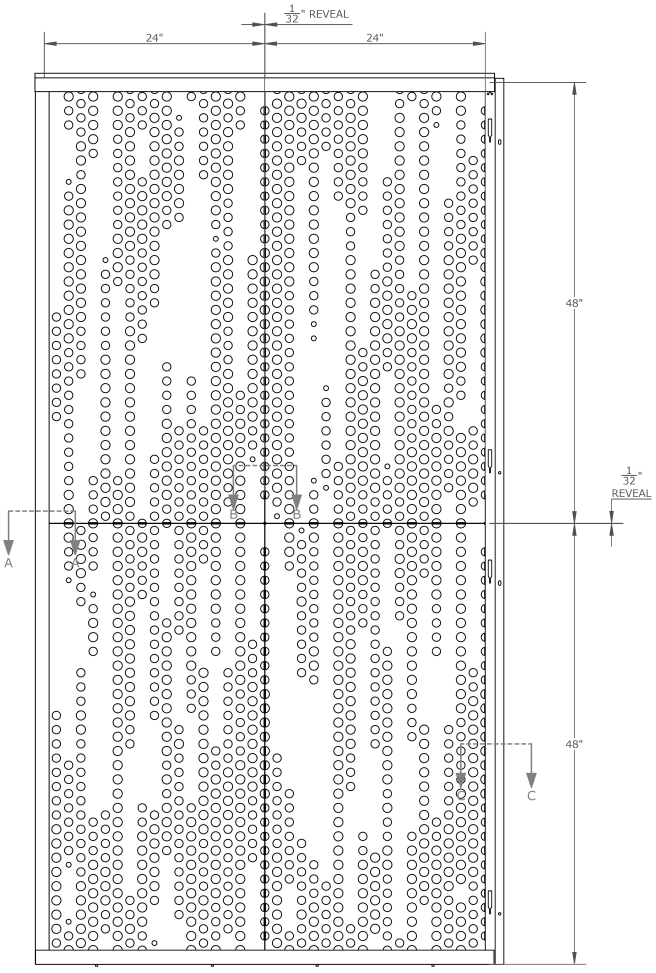


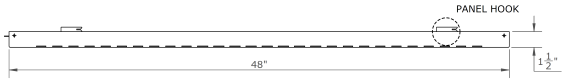
DETAIL SEAM

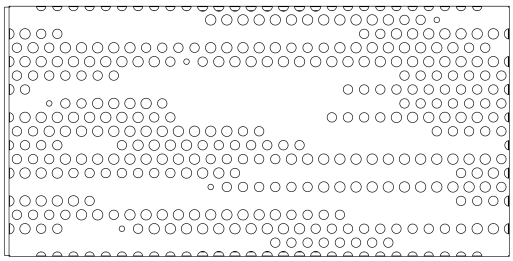
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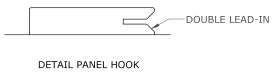
PANEL:Form Backlit Panels - Installation Instructions - WALL



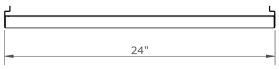


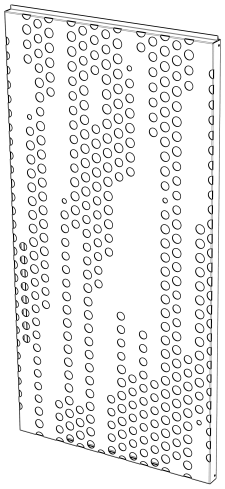






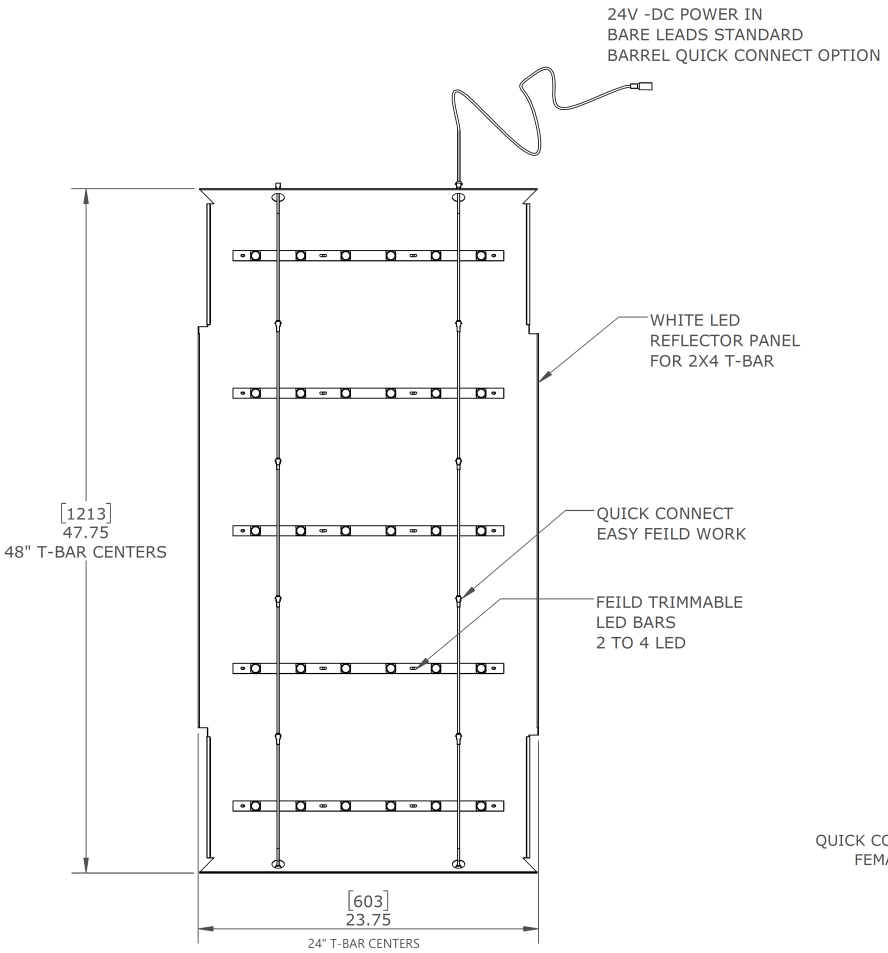
DETAIL PANEL HOOK

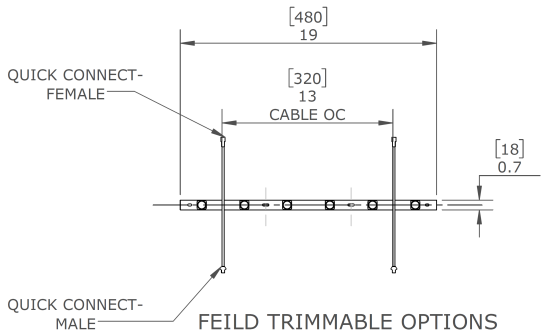




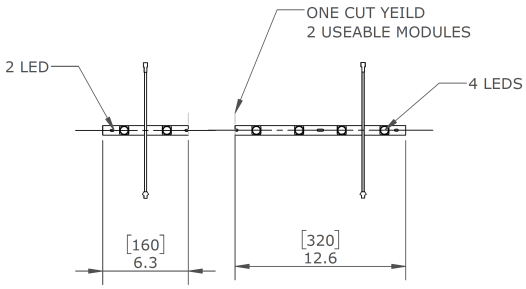
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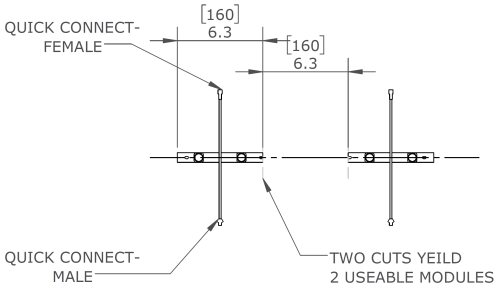
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MODULAR
LED BACKLIGHT LADDER





FEILD TRIMMABLE OPTIONS





UNPOWERED 2 LED CENTER SECTION
MAY BE RETURNED TO MAXXIT FOR RECYCLING

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MEP Integrations

- Mechanical fixtures such as lights and sprinklers can be installed at the suspension system height, flush with the panels.

Before installing, please note.

- CISCA "Ceiling Systems Handbook"
- Standard for Ceiling Suspension Systems Requiring Seismic Restraint - ASTM E 580

In addition to these instructions please refer to the publications referenced below for full details on industry accepted practices and requirements.

- Standard for Ceiling Suspension System Installations - ASTM C 636
- IBC (International Building Code) Standard for Seismic Zone for local area.

For addition question or assistance

Please contact us at: www.maxxitgroup.com