GRID SPECIFICATIONS

- Aluminum structural suspended ceiling grid system
- 2’ x 2’ or 2’ x 4’ centered grid system with continuous threaded ¼”-20 slots
- Capable of supporting HVAC, Light Fixtures, registers, cable trays, utility racks and other accessories as defined by area of installation
- Simple installation with vertically supported flange grid members and four screw connectors
- Max static point load from grid down of 380 lbs.
- Max uniform load from grid of 50 lbs./ft².
- 12’ Main Runners and 48” Structural Tees factory cut with locators on 24” centers for simple installation
- Accepts most standard 60cm ceiling panels and light fixtures (up to 23.46” square ± 1/8”)
- Clear anodized, white painted, or black painted finish

CONNECTOR SPECIFICATIONS

- Aluminum structural suspended ceiling grid system
- 3/8”-16 Threaded turnbuckle connection on a 4’ x 4’ Spacing on Centers
- On site modifiable connectors for perimeter installation
- 800 lbs. point load connection to building structure.
- Ribs on connector to align with grid and on 24” center and prevent racking
- Field connector can optionally be used on bottom slot of Mains and Structural tees for heavy duty loads with 3/8” threaded connection
- High strength cast aluminum parts
- Corrosion resistant aluminum finish

COMPONENTS

- 144” Main Runner
- 24” Structural Tee
- 48” Structural Tee
- 144” Perimeter Angle
- Field Connector
- XL Field Connector
- Perimeter Connector
- ¼”-20 x 1-1/4” Screws w/ ¼” Lock washer
- ⅜”-20 to 3/8”-16 adapter w/ gasket
- 3/8”-16 x 7” Turnbuckle Assembly w/ Starter Rod
- Hold Down Clips
- Factory Applied Gasket available upon request
12’ Main Runners notched every 24” to positively position connectors on center every time. And prevent Racking.

Ribs on connector to align with Grid and prevent Racking.

XL FIELD CONNECTOR

12’ Main Runner Notched every 24”

XL field connector is designed for additional support at the ends of each 12’ Main Runner. It is also utilized on Perimeter connections for Floating installations.
**PERIMETER CONNECTOR**

Bottom of Perimeter connector is designed with ribs that locate the connector on Perimeter Angles.

Perimeter connector can be cut on site to be used in various locations to connect grid together.

**MAIN RUNNERS AND STRUCTURAL TEES**

24” & 48” Structural Tees have coped ends which allow the grid to rest on the longer sections for stronger connections.

48” Structural Tees and 12’ Main Runners are notched every 24” on center for proper alignment and spacing of the connectors.
PERIMETER ANGLES

Floating Installation Detail

Main Runners are utilized when installing with a floating detail. When installing with a floating perimeter, Field XL connectors can be utilized to take advantage of the notches and ribs that align extrusions and prevent racking. Additionally, it is recommended to utilize a wall angle attached to the perimeter.

Fixed Installation Detail

Perimeter Angles are designed to create a clean corner joint assembly. Perimeter Angles can be cut on site to desired length when assembled along perimeter walls. Perimeter Angles can also be bolted directly to the wall with appropriate fasteners for wall type. Note, pre-drilling is recommended and through holes are suggested for simpler light fixture or drop ceiling tile installation.
Perimeter connectors can also be used as heavy duty connectors designed to adapt to 3/8-16 threaded connections from the ¼”-20 tracks. Heavy Duty connections can hold up to a maximum point load of 800 lbs when used in-line with turnbuckle connection to building structure.

Standard duty ¼”-20 to 3/8”-16 adapters connect directly to the ¼”-20 tracks. Standard duty connections can hold up to a maximum point load of 380 lbs.
2’ X 2’ CEILING GRID WITH 4’ X 4’ TURNBUCKLE LAYOUT AND FIXED PERIMETER

Room

14 ft. x 15 ft.
2’ X 4’ CEILING GRID WITH 4’ X 4’ TURNBUCKLE LAYOUT AND FIXED PERIMETER

Room

14 ft. x 15 ft.

48” Structural Tee
12’ Main Runner
12’ Perimeter Angle
24” Structural Tee
Field Connector
Perimeter Connectors
XL Field Connector
Turnbuckle
TURNBUCKLE ASSEMBLY

Internally Threaded Anchor
Supplied by others

RH 3/8" -16 Threaded rod
and connection to decking
Supplied by others

3/8"-16 LH/RH x 7"
Turnbuckle

3/8"-16 LH Threaded Starter Rod into
Turnbuckle

1.25"
0.75"