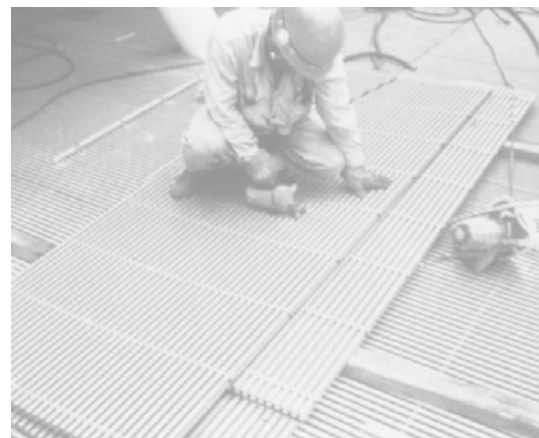




# Grating Field Fabrication Guide

## FIBERGLASS GRATING & STAIR TREADS



### TOOLS

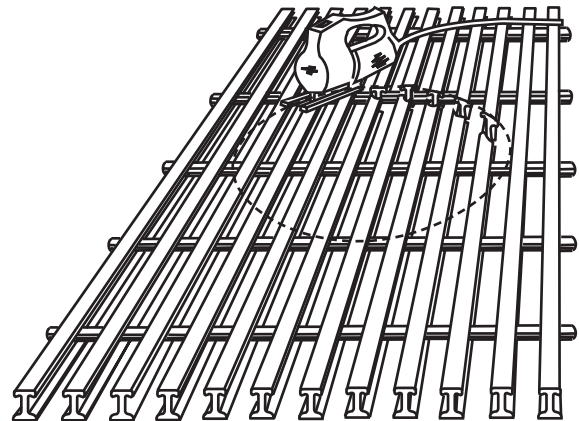
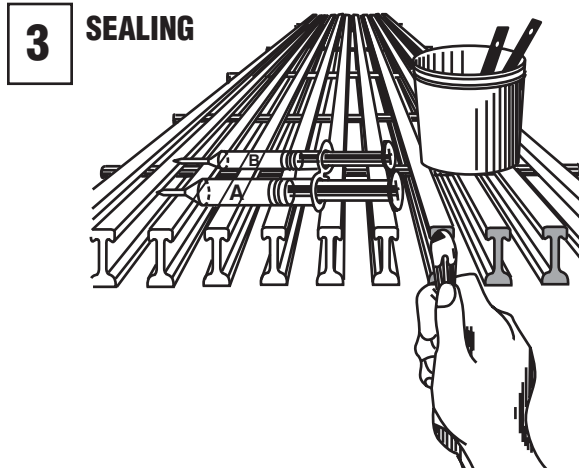
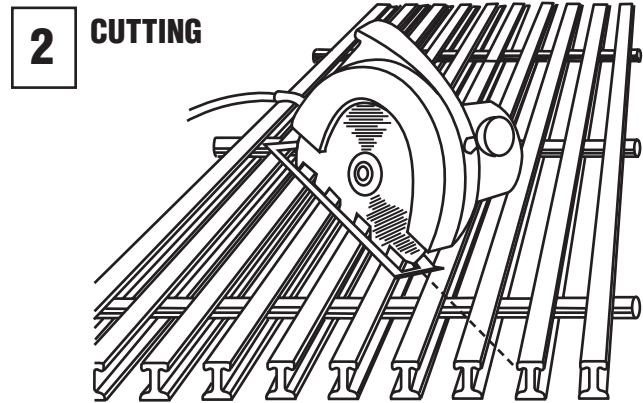
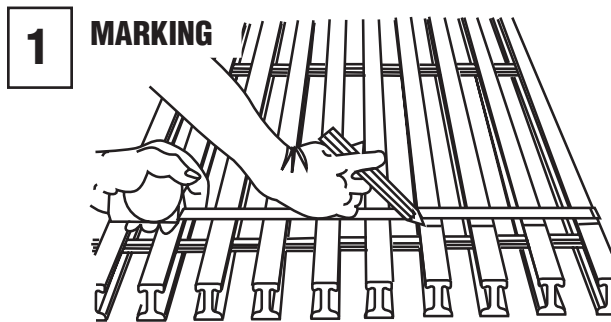
- CIRCULAR SAW
- SABRE SAW

- 3/16" ALLEN WRENCH

- 7/16" WRENCH
- SEALING KIT

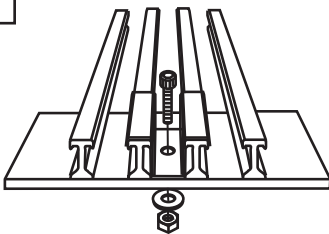
NOTE: Tungsten carbide grit-edged blades are recommended for the saws (available from Strongwell).

# STEPS OF FABRICATION



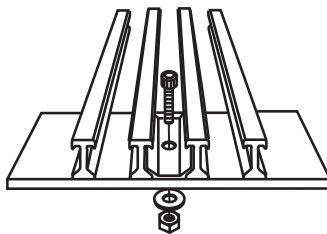
## DURA DEK® / DURAGRID® INSTALLATION

### A PANEL HOLD DOWNS



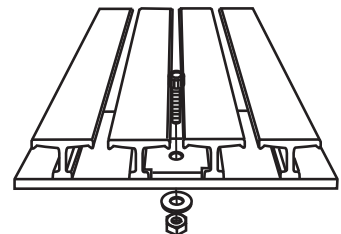
The weldable 316L stainless steel saddle clips above are available for some grating series.

*\*Bolts are priced separately from the saddle clips.*



The weldable 316L stainless steel insert clips above are available for some grating series.

*\*Bolts are priced separately from the hold down.*

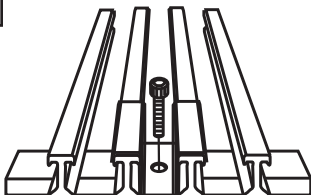


The weldable 316L stainless steel insert clips above are available for DURAGRID® T-1800 and T-3500 only.

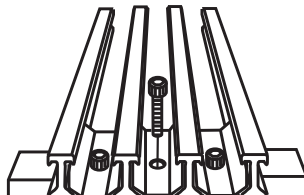
*\*Bolts are priced separately from the hold down.*

NOTE: Recommend two hold downs at each support with a minimum of four per panel. All bolts are 1/4-20 x 1-1/4", cap head, 316L stainless steel.

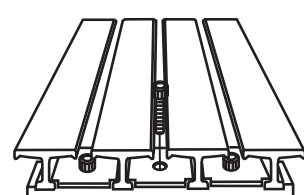
### B PANEL CONNECTORS



The 316L stainless steel saddle clips above are available as panel connectors for some grating series.

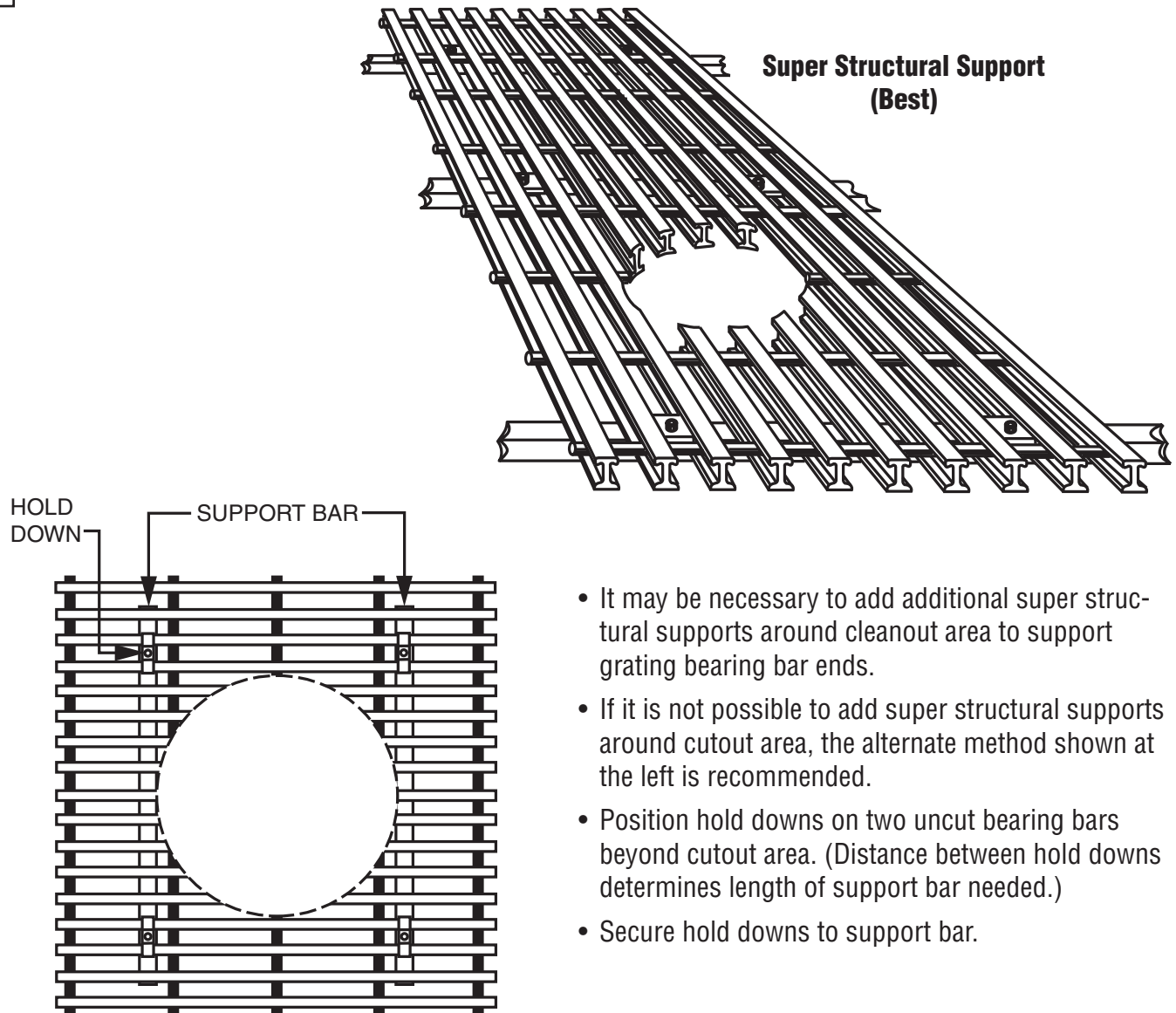


The 316L stainless steel Insert clips above are available for some grating series.

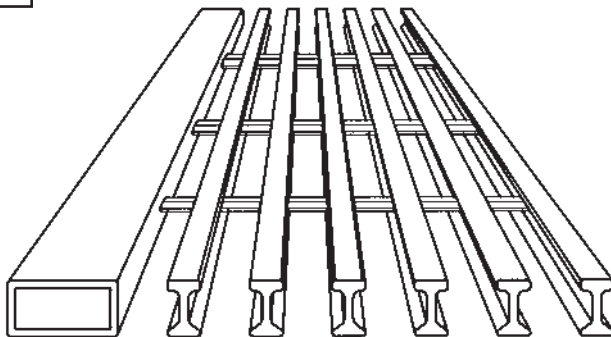


The 316L stainless steel insert clips above are available for DURAGRID® T-1800 and T-3500 only.

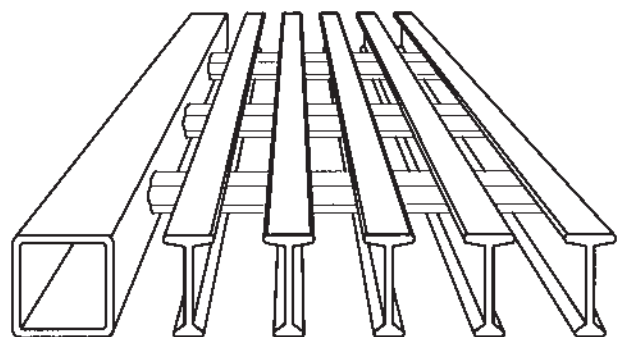
NOTE: Panel Connectors are generally only used at midspan to assist in transferring load from section to section. All bolts are 1/4-20 x 1-1/4", cap head, 316L stainless steel.

**C****SUPPORTING AROUND CUTOUT AREAS**

- It may be necessary to add additional super structural supports around cleanout area to support grating bearing bar ends.
- If it is not possible to add super structural supports around cutout area, the alternate method shown at the left is recommended.
- Position hold downs on two uncut bearing bars beyond cutout area. (Distance between hold downs determines length of support bar needed.)
- Secure hold downs to support bar.

**D****STAIR TREADS**

2" rectangular shaped nosing is used for all grating with depths of 1" and 1-1/2". Hold downs are not provided with stair treads. Four S.S. saddle clip hold downs are recommended per tread.



"Box" shaped nosing is used for all grating with 2" depths. Support angles not provided. Support angles and other fiberglass structures are available from Strongwell.

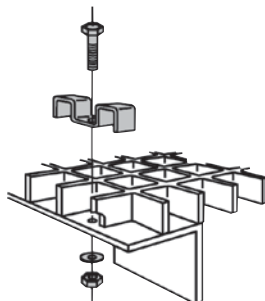
# DURAGRATE® INSTALLATION

## PANEL HOLD DOWNS

DURAGRATE® molded fiberglass panels are fabricated like DURADEK®/DURAGRID®. Use hold down clips to prevent panel drift. Hex bolt, nut, and washer are available.

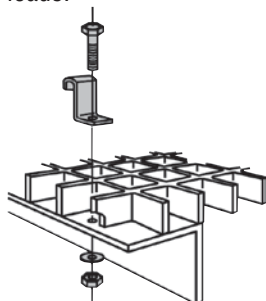
### Type M Clips

For attaching grating to supports.



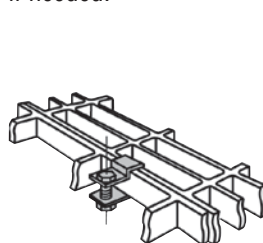
### Type J Clips

For attaching grating to supports for moderate loads.



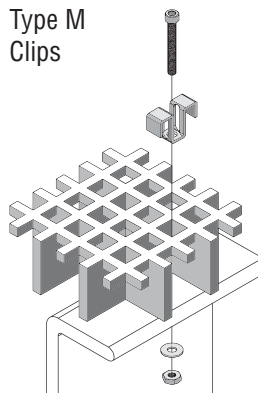
### Type C Clips

For joining two unsupported edges if needed.

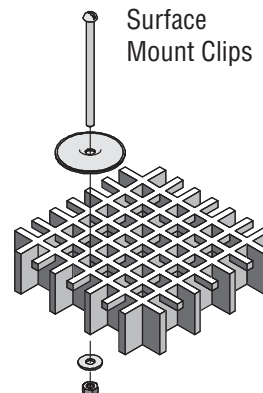


### Clips for 3/4" Mini Mesh

Type M Clips



Surface Mount Clips

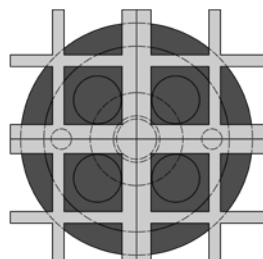


## GRATING LEGS

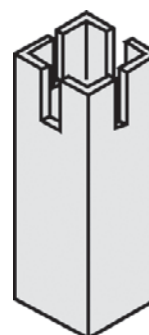
Fixed and adjustable legs for molded grating are available to provide sturdy support for elevated flooring. Contact Strongwell for your exact requirements.

### Adjustable Leg

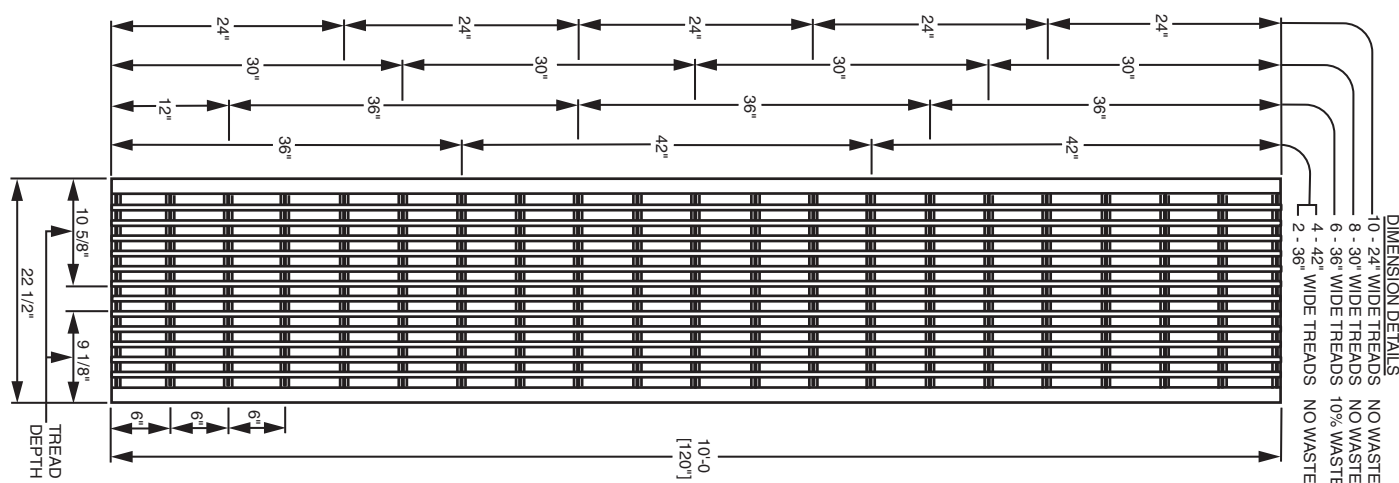
Fits all square mesh grating panels including Mini Mesh. Comprised of two compression molded parts separated by a section of FIBREBOLT® threaded rod. See the *Adjustable Grating Pedestal Layout Guide* for more information.



### Fixed Leg



## STAIR TREAD PANEL CUTTING DIAGRAM



ISO 9001 Quality Certified Manufacturing Plants

### BRISTOL LOCATION

400 Commonwealth Ave., Bristol, VA 24201  
USA • (276) 645-8000  
www.strongwell.com

### CHATFIELD LOCATION

1610 Highway 52 South, Chatfield, MN 55923  
USA • (507) 867-3479

ST1122  
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