

# Bison Artificial Turf Installation Guide

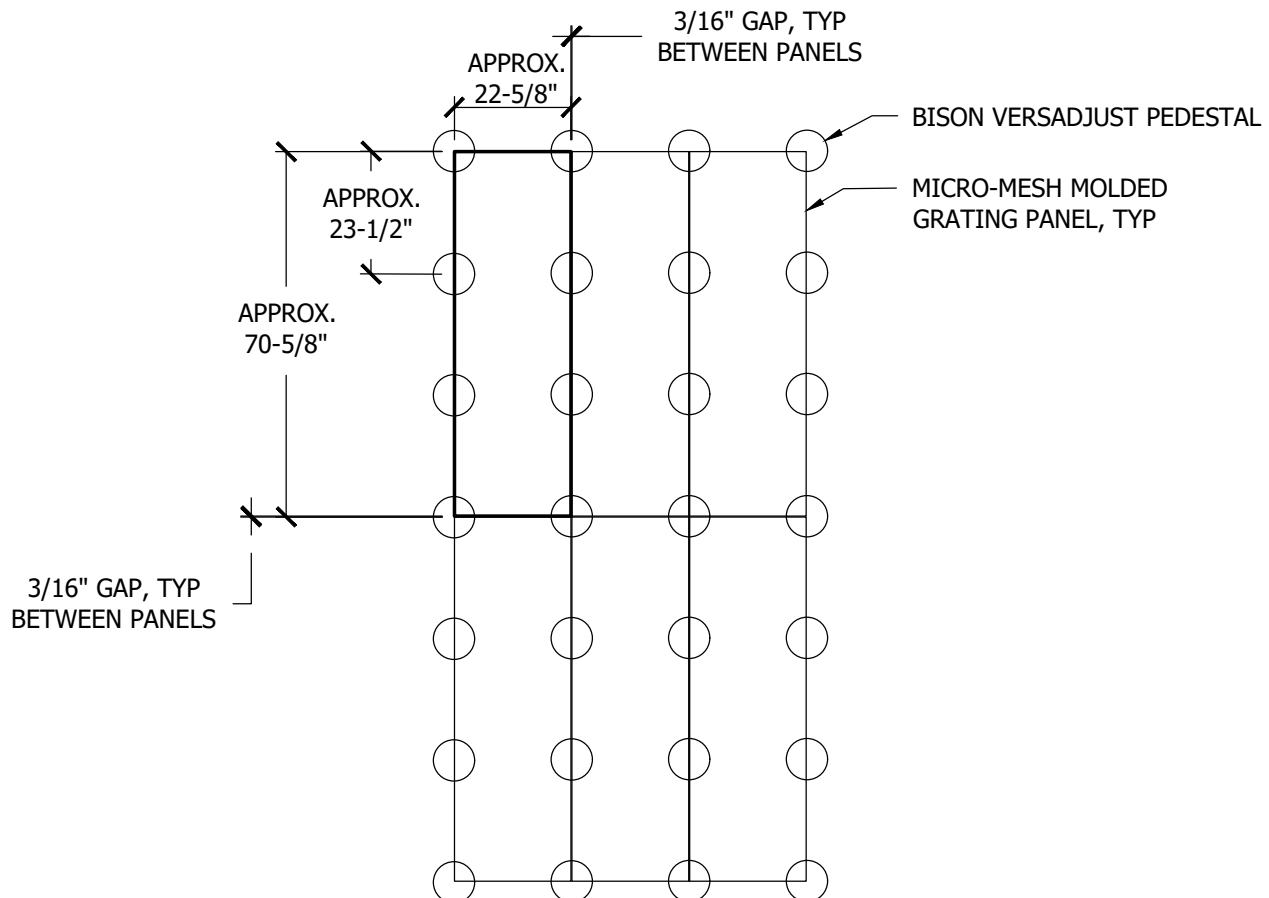
Bison Innovative Products has partnered with Fibergrate Composite Structures to bring customers a cohesive artificial turf solution for rooftop decks. The pedestal support system elevates the turf, while the fiberglass grating panels allow for proper drainage, preventing water from accumulating while protecting the rooftop structure.

General Notes: Apply to all products shown.

1. Installation must be completed in accordance with Bison Innovative Products specifications.
2. Drawings not to scale.
3. Contractor's note: for product and company information visit [www.BISONIP.com](http://www.BISONIP.com)

## Typical Bison Pedestal Layout

SHOWN WITH 1.5" MICROMESH MOLDED GRATING PANELS

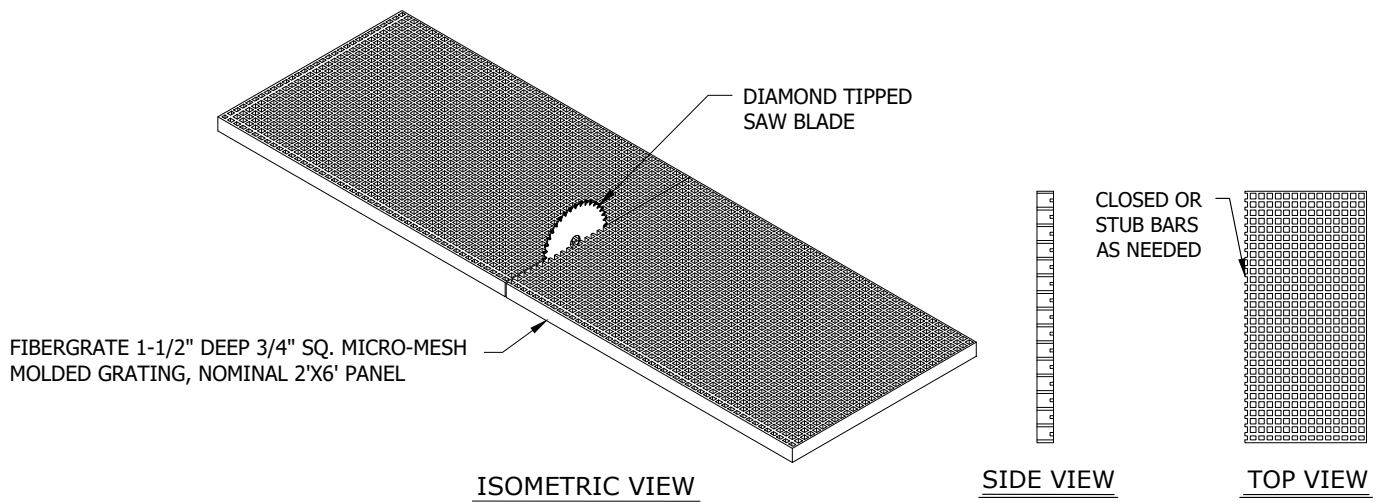


The pedestals are arranged in a grid format to provide uniform support and alignment for the panels. Ensure that pedestals are positioned at the specified grid dimensions to maintain structural integrity and uniform panel support. Use CAD tools to create a clear Grid layout for accurate field installation. Bison does offer CAD layout support. Please Contact your local Bison Territory Manager with any questions

# Cutting Fibergrate Composite Structures FRP Grating



Always read and follow power tool and equipment manufacturers safety guidelines and instructions.



## PERIMETER ADJUSTMENT

For perimeter conditions , cutting of the panels may be required to fit specific site dimensions.

## CUTTING INSTRUCTIONS

1. Measure and mark the cut line on the grating panel.
2. Secure the panel on a stable surface to prevent movement.
3. Wear an N95 respirator, safety glasses, and gloves during the cutting process.
4. Ensure the cutting area is well-ventilated and free of obstructions.
5. Cut along the marked line using a diamond-tipped saw blade.

## STUB BARS & TREATMENT

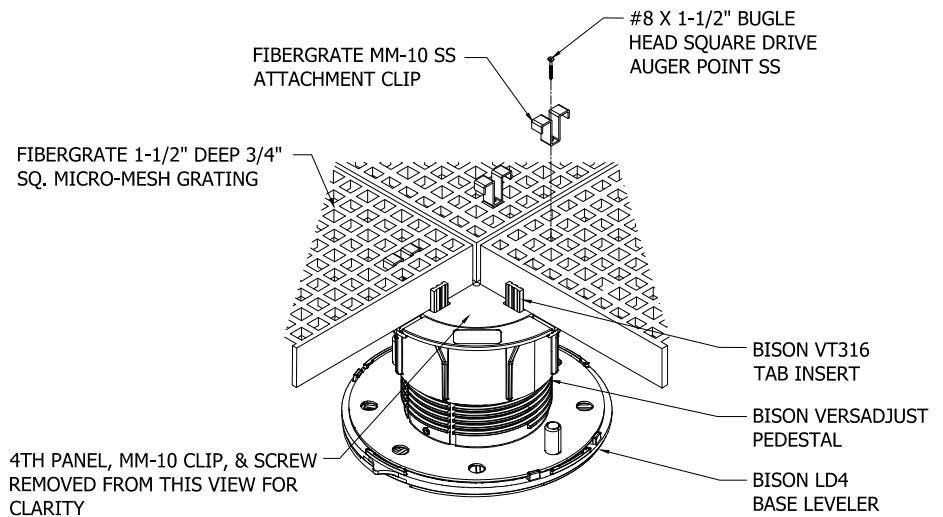
Stub bars to be treated with painter's touch ultra cover 2x clear and covered with nailing board to conceal the exposed edges and provide a nailing surface for the synlawn turf.

## MM-10 Hold Down Clip Installation

Installing Fibergrate FRP grating over Bison pedestals

MM-10 secure molded grating panels by fastening them to pedestals, ensuring stability and alignment.

These clips are critical for forming an interconnected system that enhances structural integrity and distributes loads across the grating panels



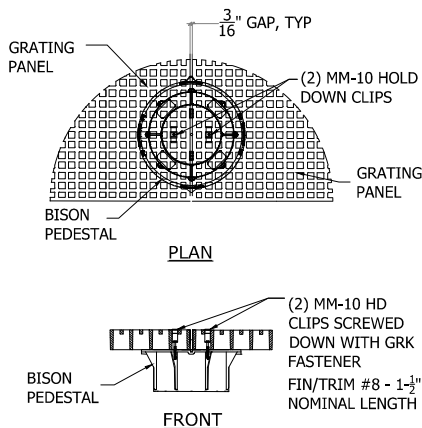
ISOMETRIC VIEW @ "4 PANEL" ABUTMENT

## MM-10 HDC Installation Configurations

The mm-10 hold down clip secures Fibergrate FRP grating panels to Bison pedestals, ensuring alignment, stability, and an interconnected system. The following configurations demonstrate clip placement and installation details under different conditions.

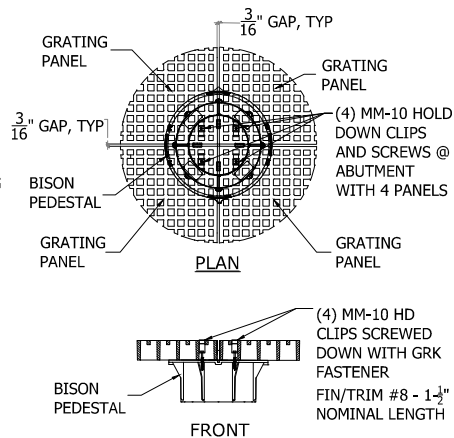
- Configuration 1: two panel abutment
- Configuration 2: four panel abutment
- Configuration 3: single panel at bison pedestal

MM-10 HD CLIPS @ "2 PANEL" ABUTMENTS



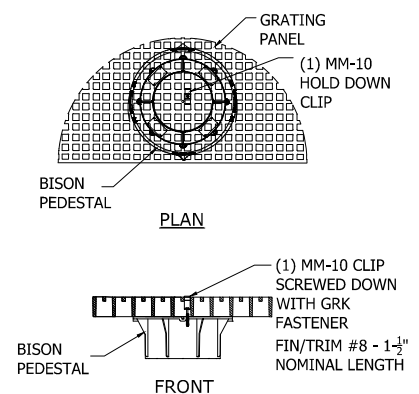
WHEN TWO ADJACENT PANELS MEET UNDER A BISON PEDESTAL MM-10 HD CLIPS WILL BE ANCHORED AT THIS JUNCTION AS DEMONSTRATED ABOVE

MM-10 HD CLIPS @ "4 PANEL" ABUTMENTS



WHEN FOUR PANELS MEET UNDER A BISON PEDESTAL JUNCTION MM-10 HD CLIPS WILL BE ANCHORED AS DEMONSTRATED ABOVE

MM-10 HOLD DOWN CLIP @ BISON PEDESTAL



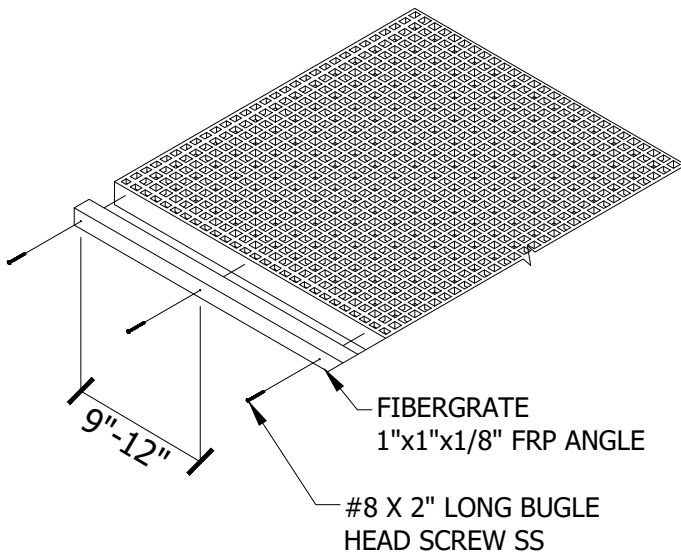
WHEN THERE'S NO ADJACENT PANEL, AND A SINGLE PANEL IS DIRECTLY OVER A PEDESTAL, ONE MM-10 HD CLIP WILL BE ANCHORED AT THESE LOCATIONS AS DEMONSTRATED ABOVE

## Nailing Board Installation

Along the perimeter, install angle nailing board using #8 x 3", bugle head, screws every 3.00 Inches.

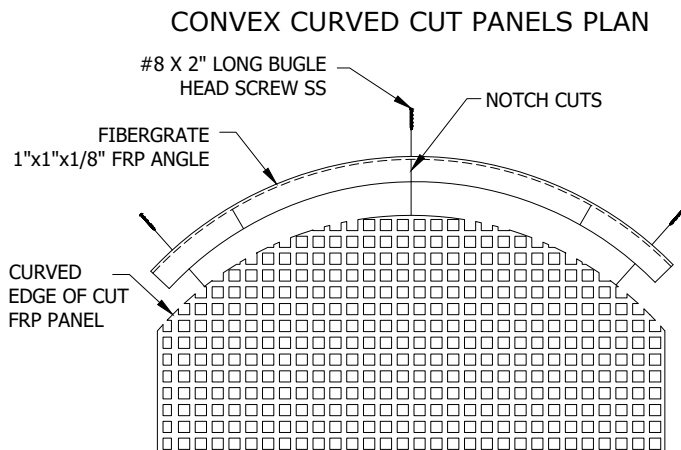
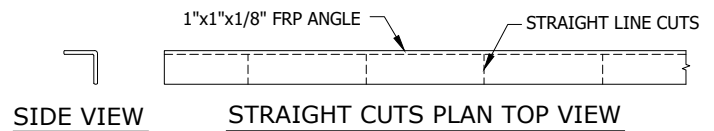
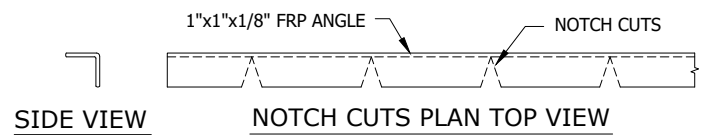


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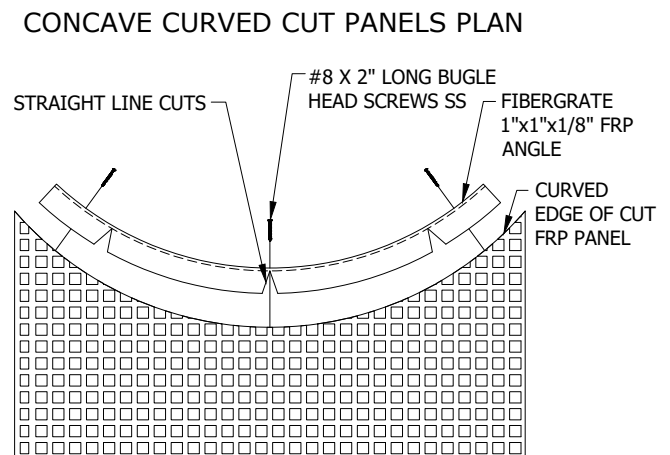


ISOMETRIC VIEW

In cases where panels is cut with curved or irregularly shaped Edges the angle nailing board can be bent by hand with addition of more screws or the angle nailing board can be cut with a series of notches or straight lines as needed per best installation practices to create a bend that can form on to the curved panels. Note: follow all safety guidelines when handling FRP materials. Improper handling may result in injury or damage.



TOP VIEW



TOP VIEW