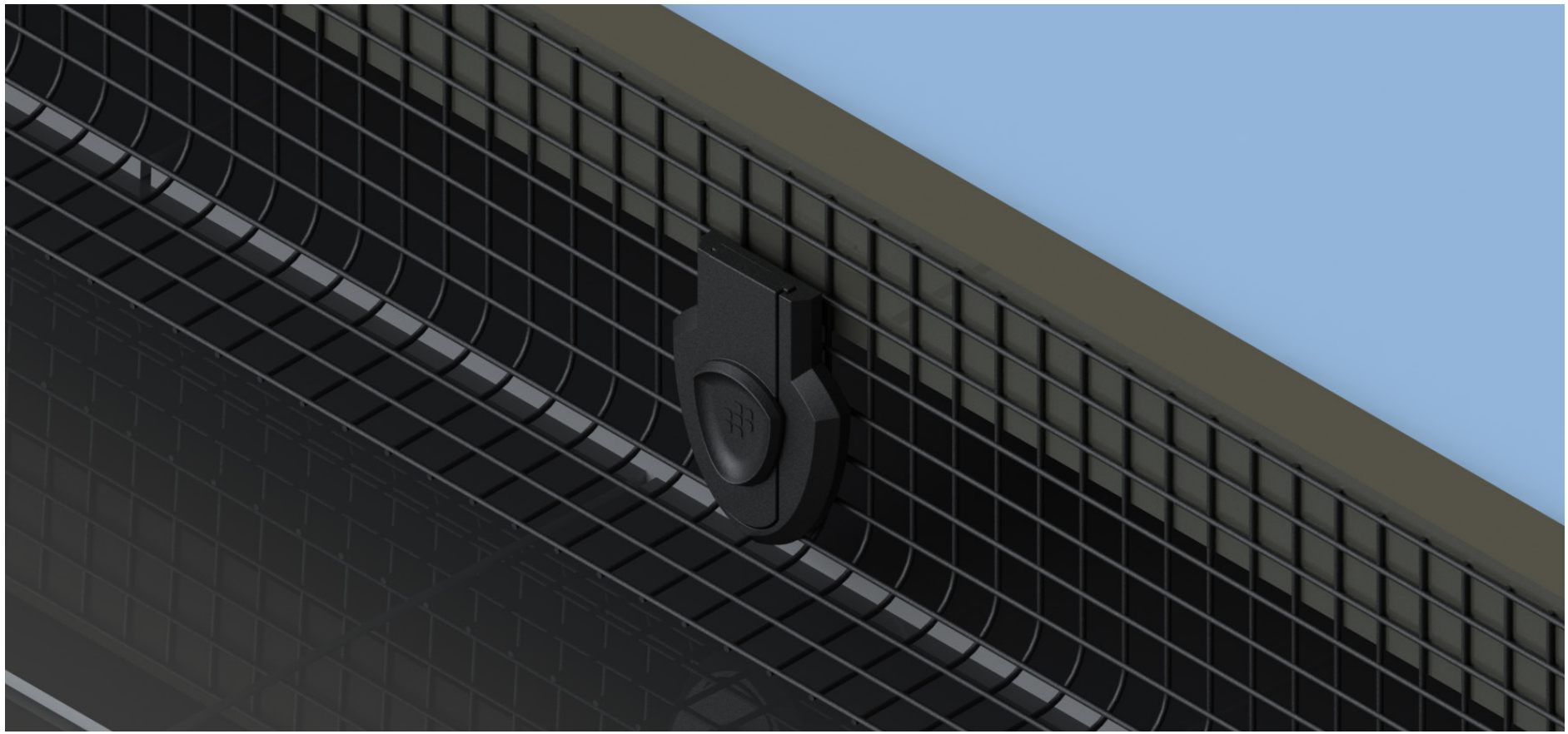
GUARDIAN INSTALLATION GUIDE



UNIRAC Code-Compliant Installation Manual

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GUARDIAN INSTALLATION GUIDE

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READ ALL INSTRUCTIONS AND SAFETY WARNINGS PRIOR TO INSTALLATION

SAVE THESE INSTRUCTIONS

This manual describes the procedure to install the GUARDIAN product. All installers must thoroughly read this manual and have a clear understanding of the installation procedures prior to installation. Failure to follow the methods and procedures outlined in this manual may result in injury and/or damage to property. This manual must be readily accessible at all times.

⚠ WARNING

IDENTIFIES CONDITIONS OR PROCEDURES, WHICH IF NOT FOLLOWED, COULD RESULT IN SERIOUS INJURY, DEATH OR PROPERTY DAMAGE.

⚠ CAUTION

IDENTIFIES CONDITIONS OR PROCEDURES, WHICH IF NOT FOLLOWED, COULD RESULT IN SERIOUS DAMAGE OR FAILURE OF EQUIPMENT.

SAFETY INSTRUCTIONS AND CAUTIONS:

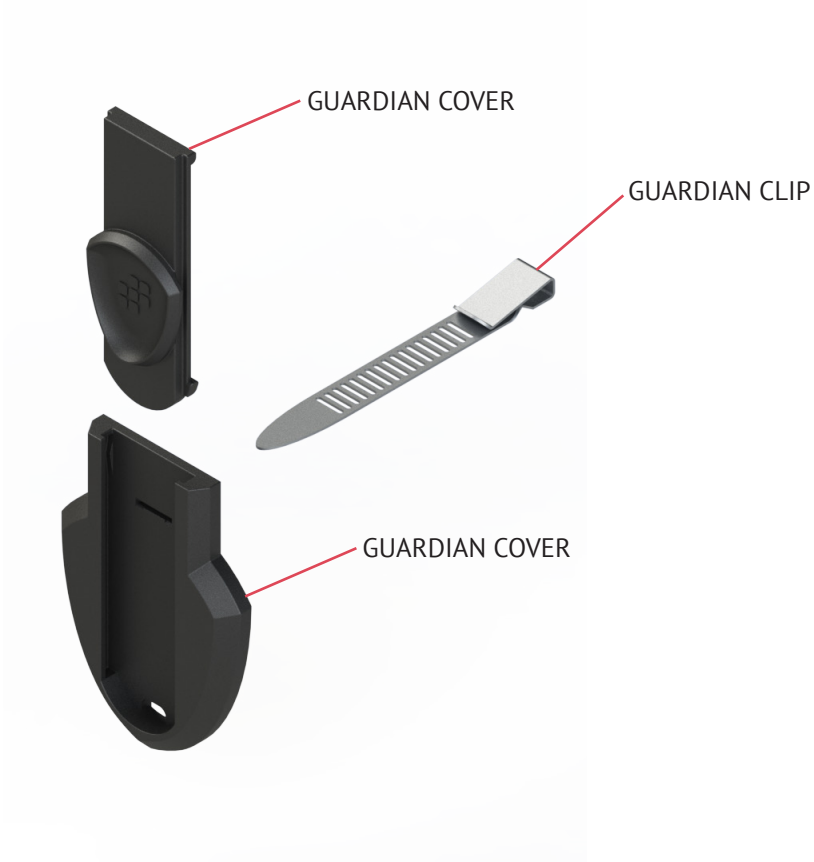
- All instructions contained in this manual must be performed by a qualified personnel and the installation must comply with all applicable national, federal, state, municipal and local codes.
- Lethal voltages may be present prior to installation, during installation, and during maintenance and/or operation of this equipment. Always ensure that all electrical connections are at zero voltage and properly disconnected before installing or when performing maintenance.
- Always de-energize circuits prior to installation or service. When disconnecting inverter, allow the appropriate amount of time for all electrical storage components to discharge before servicing.
- Proper safety equipment and personal protective equipment must be worn at all times.
- This equipment must be installed as specified in this manual. Failure to do so may void the warranty or cause property damage.
- Periodically check the installation, especially after adverse weather conditions, to ensure that all components remain tight and secure.

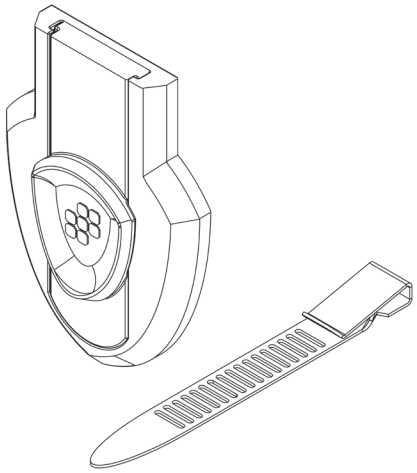
LEGAL NOTICES

GUARDIAN™ is a trademark of Unirac, Inc., Registration pending.

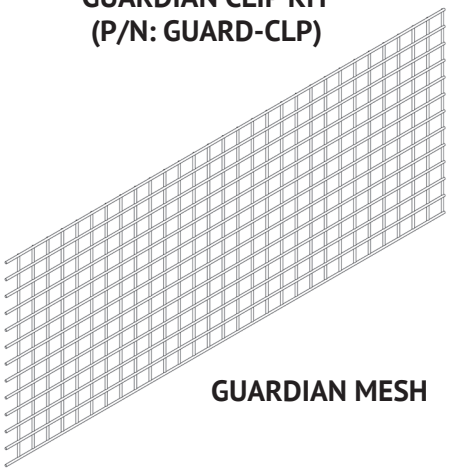
Visit ***www.unirac.com/patents*** for further details about patents.

EXPLODED VIEW



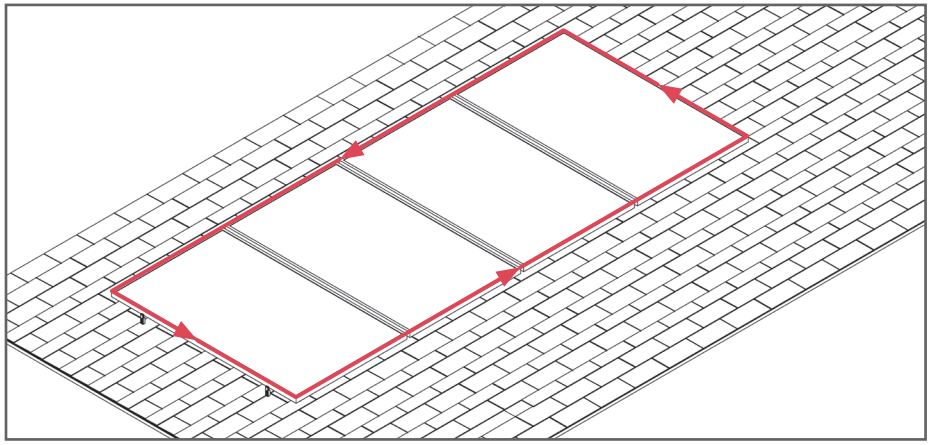


GUARDIAN CLIP KIT
(P/N: GUARD-CLP)



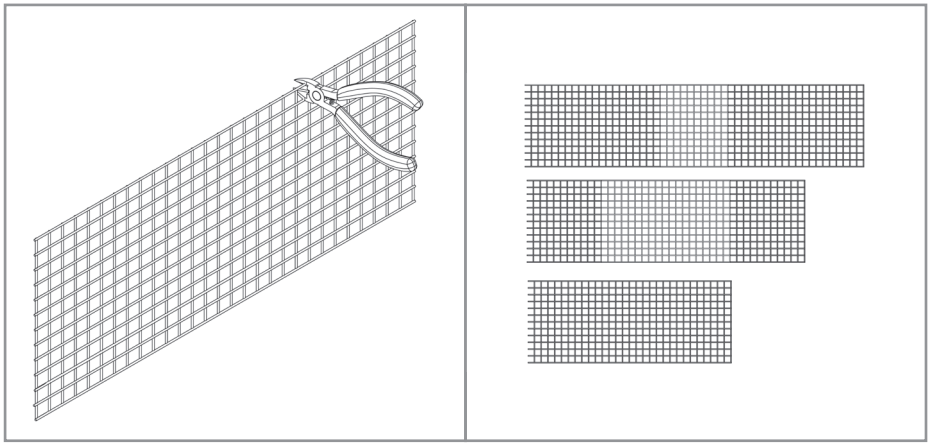
GUARDIAN MESH

SL.NO.	DESCRIPTION	PART NUMBER
1	GUARDIAN MESH, 5 INCH	GUARD-M5
2	GUARDIAN MESH, 6 INCH	GUARD-M6
3	GUARDIAN MESH, 8 INCH	GUARD-M8



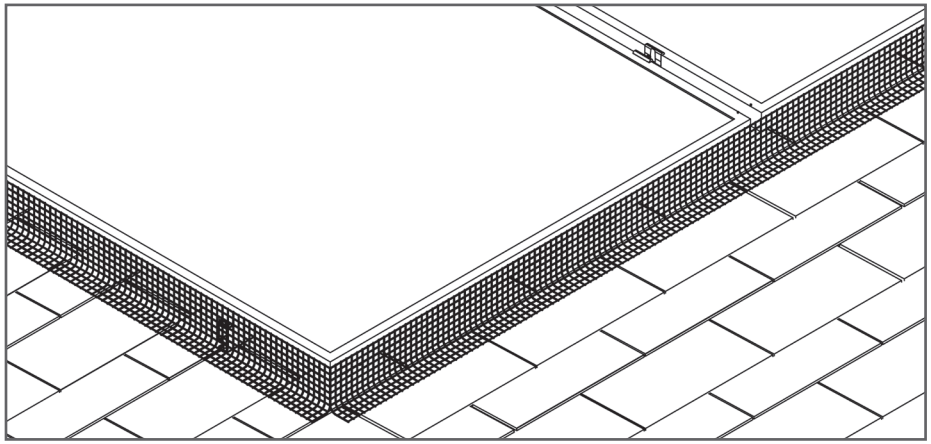
STEP 1: DETERMINE MESH LENGTH

- Measure the perimeter of the solar array using a measuring tape to determine the required mesh length.



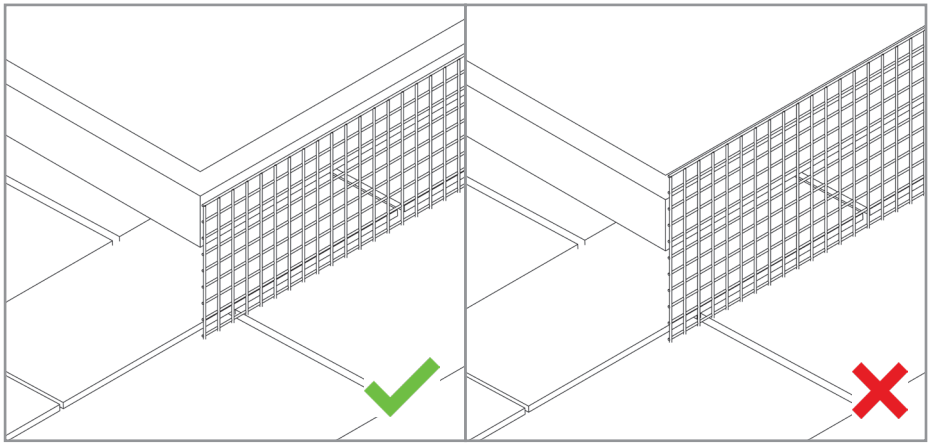
STEP 2: PREPARE MESH

- Cut the mesh to the desired length using a wire cutter.



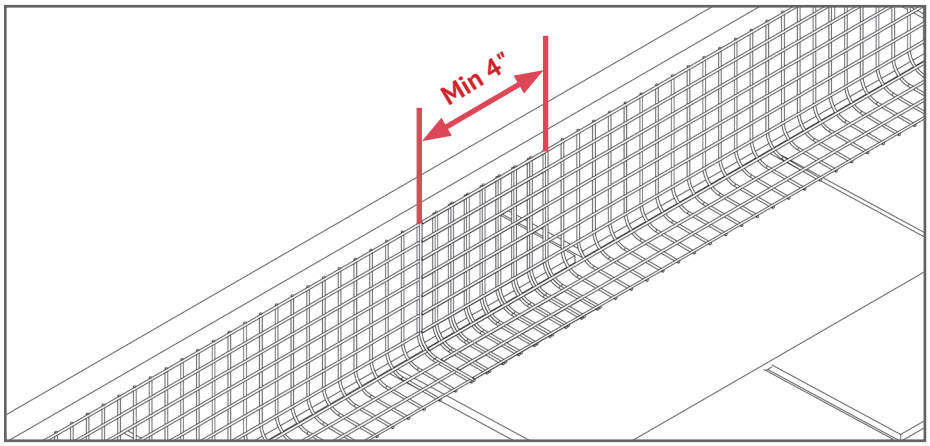
STEP 3: POSITION THE MESH

- Place the mesh along the edges of the solar panels, bending the bottom outward.
- Ensure the top edge of the mesh lies within the module frame width.



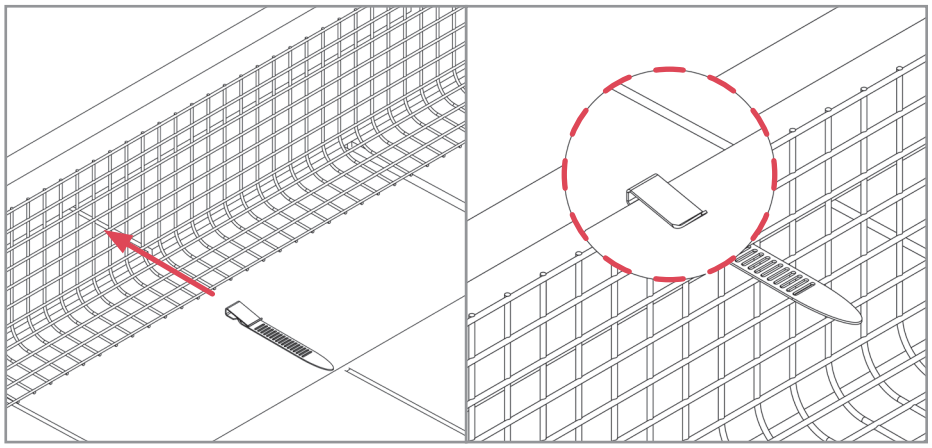
TOP EDGE OF THE MESH WITHIN THE MODULE FRAME WIDTH

TOP EDGE OF THE MESH ABOVE THE MODULE FRAME WIDTH



MESH POSITION AT OVERLAPS

- While joining two mesh sections, maintain a minimum of 4 inch overlap.

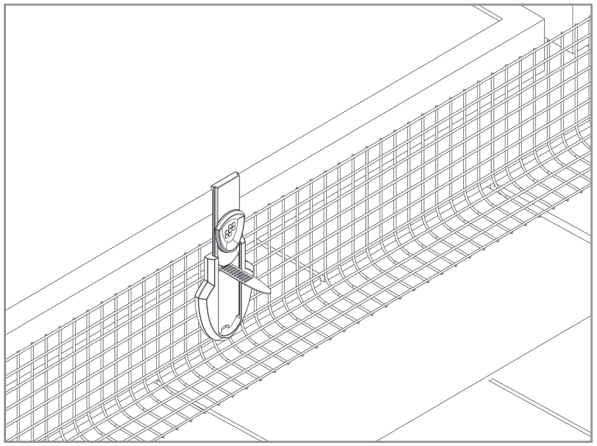


STEP 4: ATTACH CLIP TO MODULE RETURN FLANGE

- Insert the clip through the mesh and pull it to attach it to the module return flange.

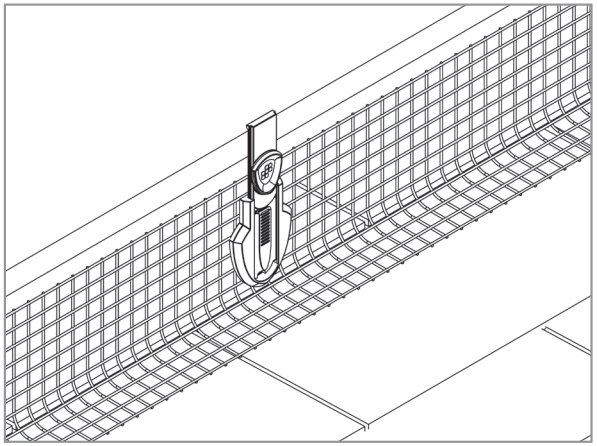
⚠ CAUTION

Ensure the Clip is fully engaged to the module return flange.



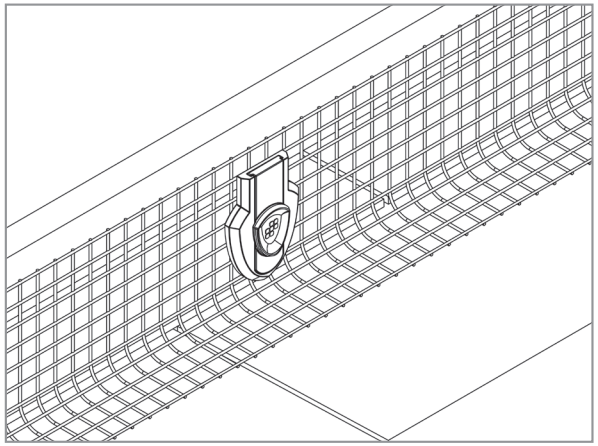
STEP 5: SECURE MESH TO MODULE

- Attach the GUARDIAN cap to the clip and push it until the mesh is tightly held in place.



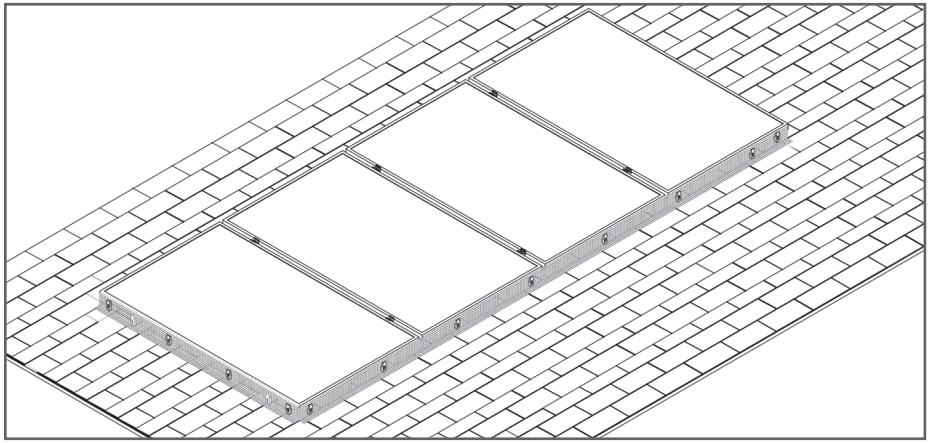
STEP 5: SECURE MESH TO MODULE (CONT.)

- Bend the protruding end of the clip downward to align it with the GUARDIAN cover.



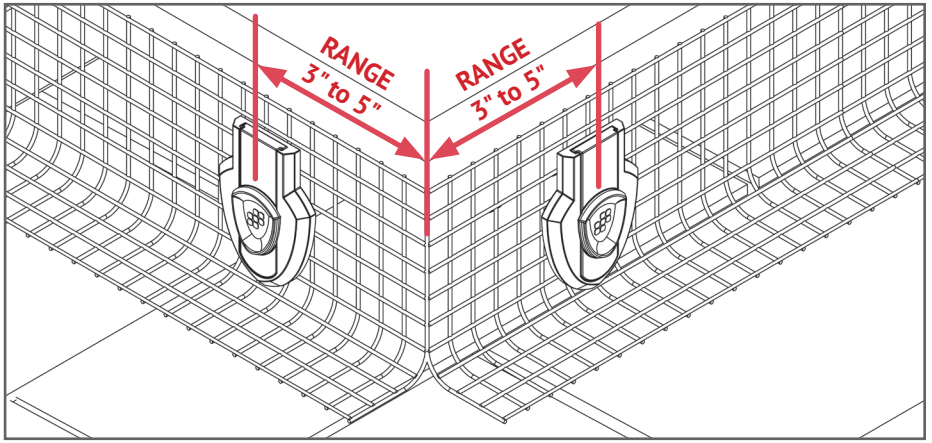
STEP 5: SECURE MESH TO MODULE (CONT.)

- Slide the cover to securely fasten the mesh to the module.



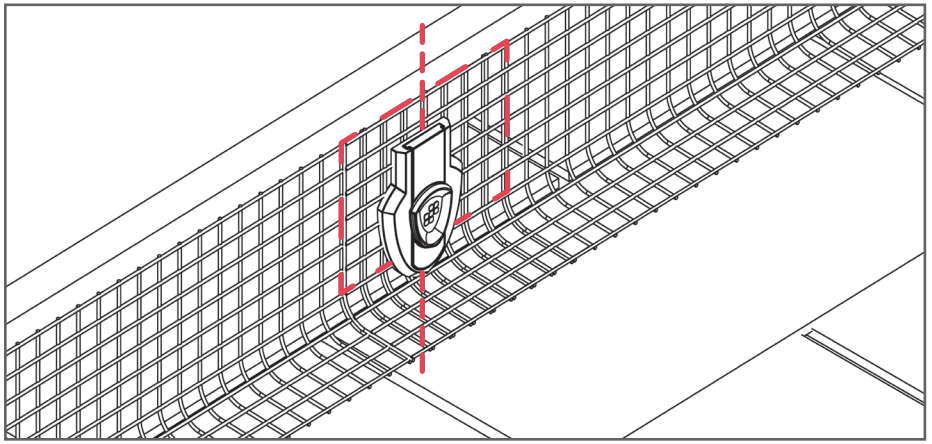
STEP 6: FINISH GUARDIAN INSTALLATION

- Place a GUARDIAN for every 3 feet and repeat STEP 4 and STEP 5 to finish GUARDIAN installation.



GUARDIAN POSITION AT ARRAY CORNERS

- At the array corners, place the GUARDIAN in the range of 3 to 5 inches away from corner.



GUARDIAN POSITION AT MESH OVERLAP

At the mesh overlap, place the GUARDIAN on the vertical center line of overlap area.