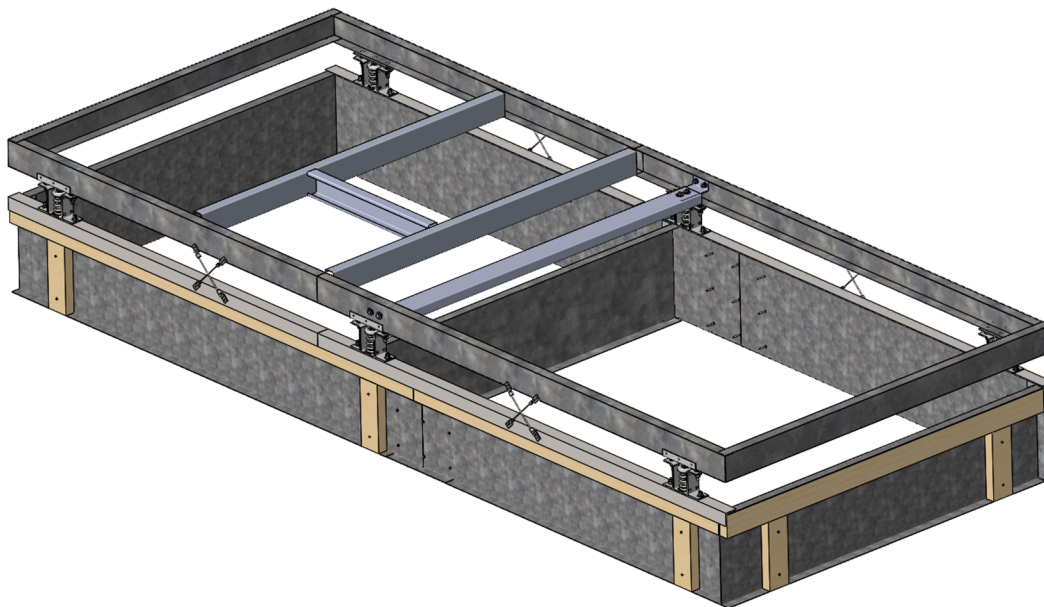
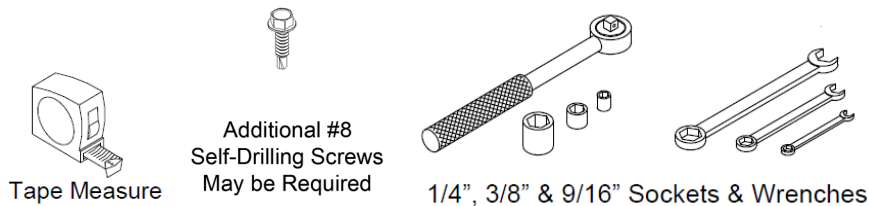


KSCR3.0 INSTALLATION INSTRUCTIONS FULLY ASSEMBLED PROCEDURE

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1. Required Installation Hardware and Tools Not Provided

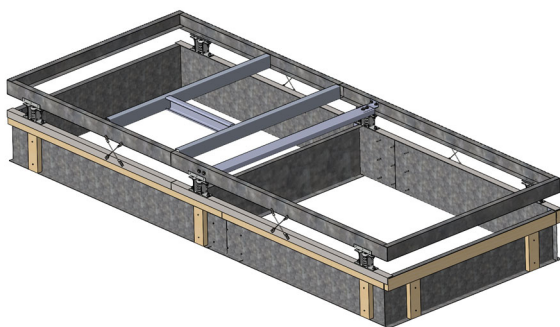


2. Unpacking the KSCR3.0

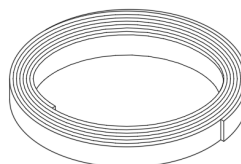
- A. Carefully unpack the KSCR and lay out the contents for identification. Use the typical packing list below to make sure all parts are present.

NOTE: Promptly report any shipping damage to the carrier and report any missing parts to the vendor.

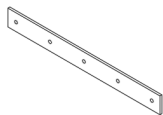
TYPICAL PACKING LIST



Curb Assembly



Foam Weather Seal
24.025-02



EPDM Weather Seal
Cover Strip # 53.125-05

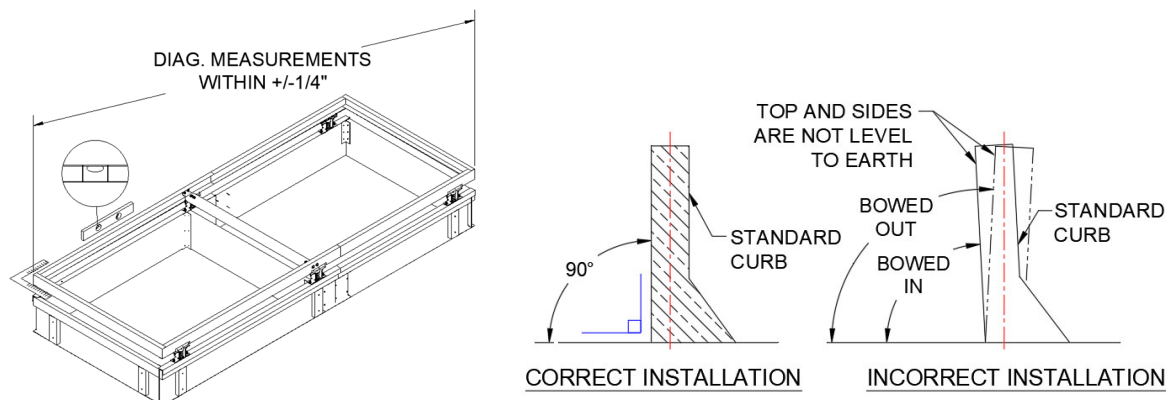


Self-Drilling Screws

A. Position the curb in the final installation location and verify the curb assembly.

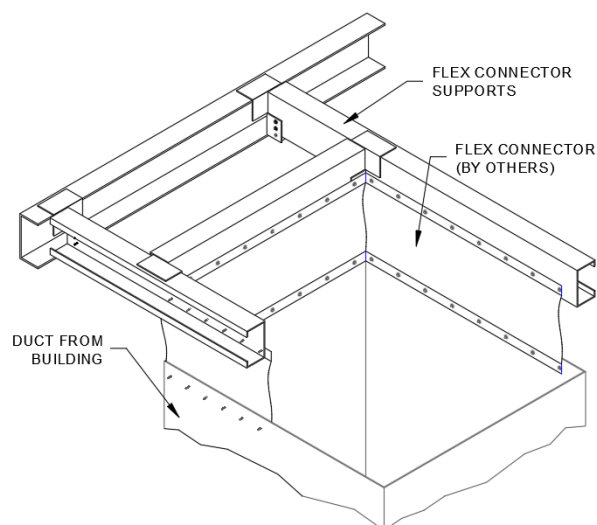
- 1) The top of the roof curb must be square and level with $\pm 1/4"$.
- 2) Curb sides must be square and level with $\pm 1/4"$
- 3) Corner-to-corner, diagonal measurement must be equal within $\pm 1/4"$

IMPORTANT! Do not use the gaskets which may be furnished by the equipment manufacturer for the top of the curb, or which may be attached to the bottom of the equipment. Failure to remove or using manufacturer's gasket material may result in deformation of the upper isolation rail.



3. Installation of Flex Connector Supports (if supplied)

A. Canvas flex connectors, provided by others, are to be attached between the installed flex connector supports and the duct from the building as shown below.

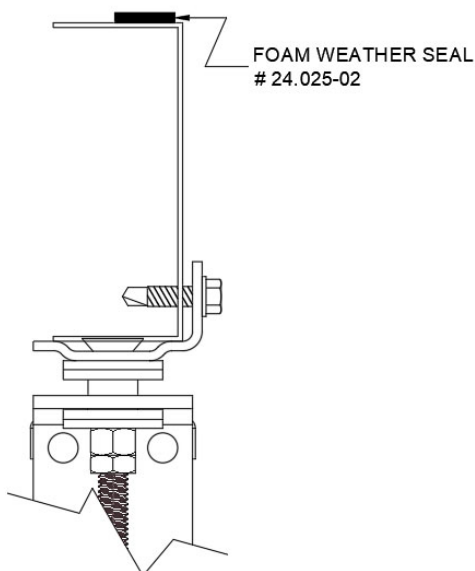


4. Installation of the Air Handling Unit

- A. Check to be certain there is no factory applied gasket material on the underside of the equipment where contact will be made with the KSCR top rail.

WARNING: *Failure to remove manufacturer's gasket material voids KSCR warranty*

- B. Install the provided foam weather seal to the top surface of the perimeter channels and along the flex connector support channels prior to setting the air handler.



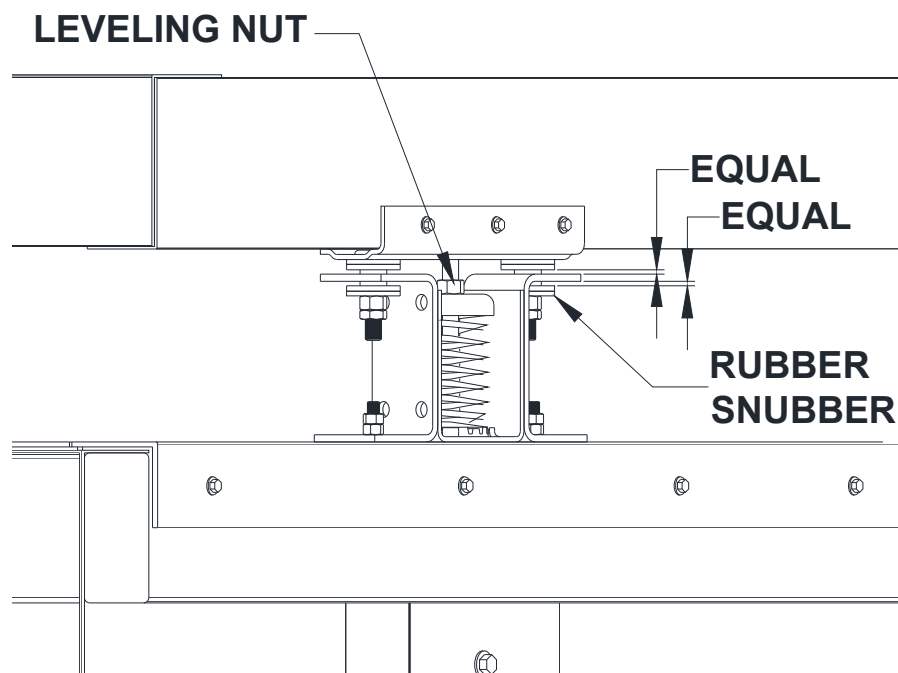
- C. Position the air-handling unit onto the top of the KSCR.

WARNING: *The air handler must be lowered slowly and kept level so it engages the KSCR top rails evenly or damage to the KSCR may result. The air handler must be installed as one unit and not in sections. Do not attempt to drag the air handler across the KSCR during installation, or damage to the KSCR may result.*

5. Isolator Adjustment Procedure

NOTE: Before adjusting the KSCR isolators, it is necessary that the supported equipment be brought up to its operating weight. If the unit is to be filled with a fluid, this should be done prior to the final adjustment of the isolators.

- A. Going around the KSCR, adjust each isolator by turning the leveling nut 1 to 2 turns clockwise.

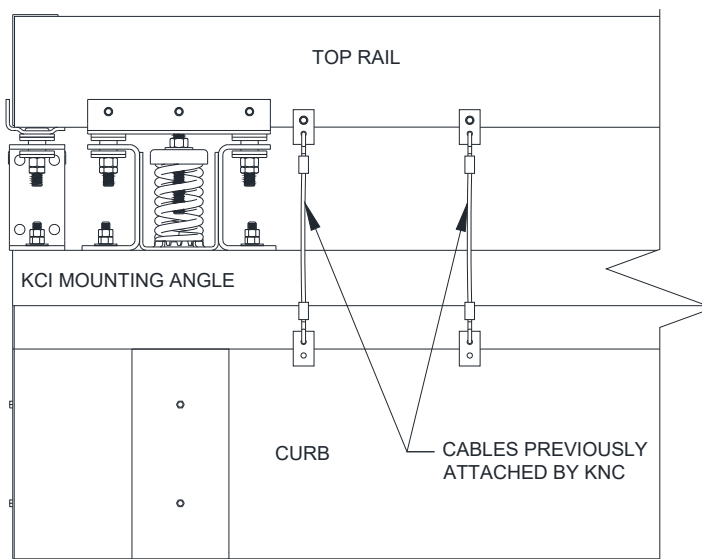


- B. Continue around the KSCR, turning the leveling nut 1 to 2 turns clockwise on each isolator until the gap between the isolator housing and the faces of the rubber snubbers are equal on the top and bottom. Confirm that the equipment is now level within the manufacturer's specifications.

6. Cable Kit Installation (if supplied)

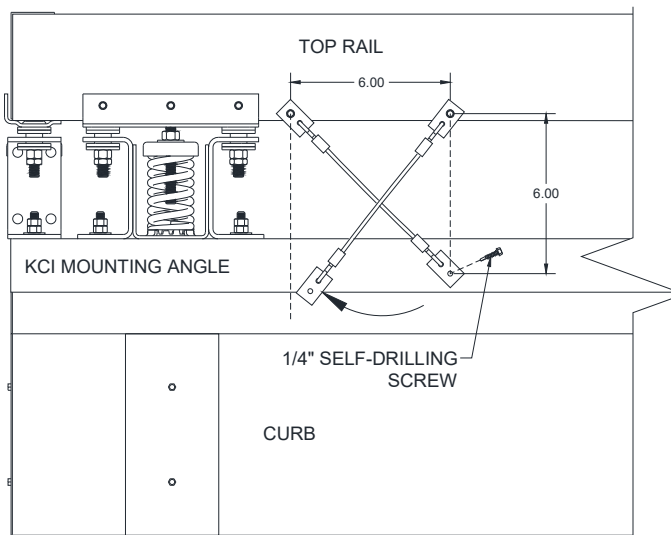
****DO NOT COMPLETE THIS STEP UNTIL ASSEMBLY IS COMPLETE AND SPRINGS HAVE BEEN ADJUSTED****

A. Cable kits will arrive factory installed to the top rail only.



Swing the cable to a 45-degree orientation, so the bottom bracket is in-line with the opposite cable top bracket. (This may require loosening the upper screws.) A good method to align the cable is to measure 6" down from the center of the top fastener.

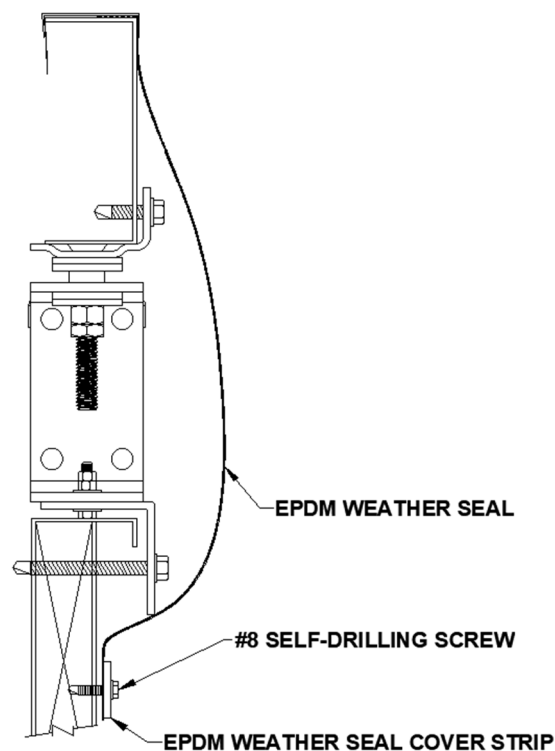
B. Using the supplied 1/4" x 1.00" self-drilling screw, secure the bottom cable brackets to the KCI Mounting Angle, in an X pattern shown below.



Repeat these steps until all cable kits are secured.

7. **Final Installation and Testing**

- A. Secure the curb to the roof (reference section 14. Suggested Methods of Attachment). If a seismic and/or wind analysis has been performed, use the quantity, size and type of fasteners specified by the calculations.
- B. Flash the lower curb into the roof in a typical fashion. Roofing/flashing material by others.
- C. Attach the bottom edge of the EPDM weather seal to the wood nailer on the curb below the KSCR mounting angle (overlapping the roof flashing) and secure it with the EPDM weather seal cover strips and #8 self-drilling screws provided. After completing the connection, the excess EPDM weather seal can be trimmed.
- D. Attach the equipment to the KSCR per the equipment manufacturer's recommendations. If a seismic and/or wind analysis has been performed, use the quantity, size and type of fasteners specified by the calculations. Attachment hardware will perforate the EPDM weather seal. In some circumstances, standard bolts/nuts/washers will be specified for equipment-to-curb attachment. The interior of the curb must be accessible in these circumstances.



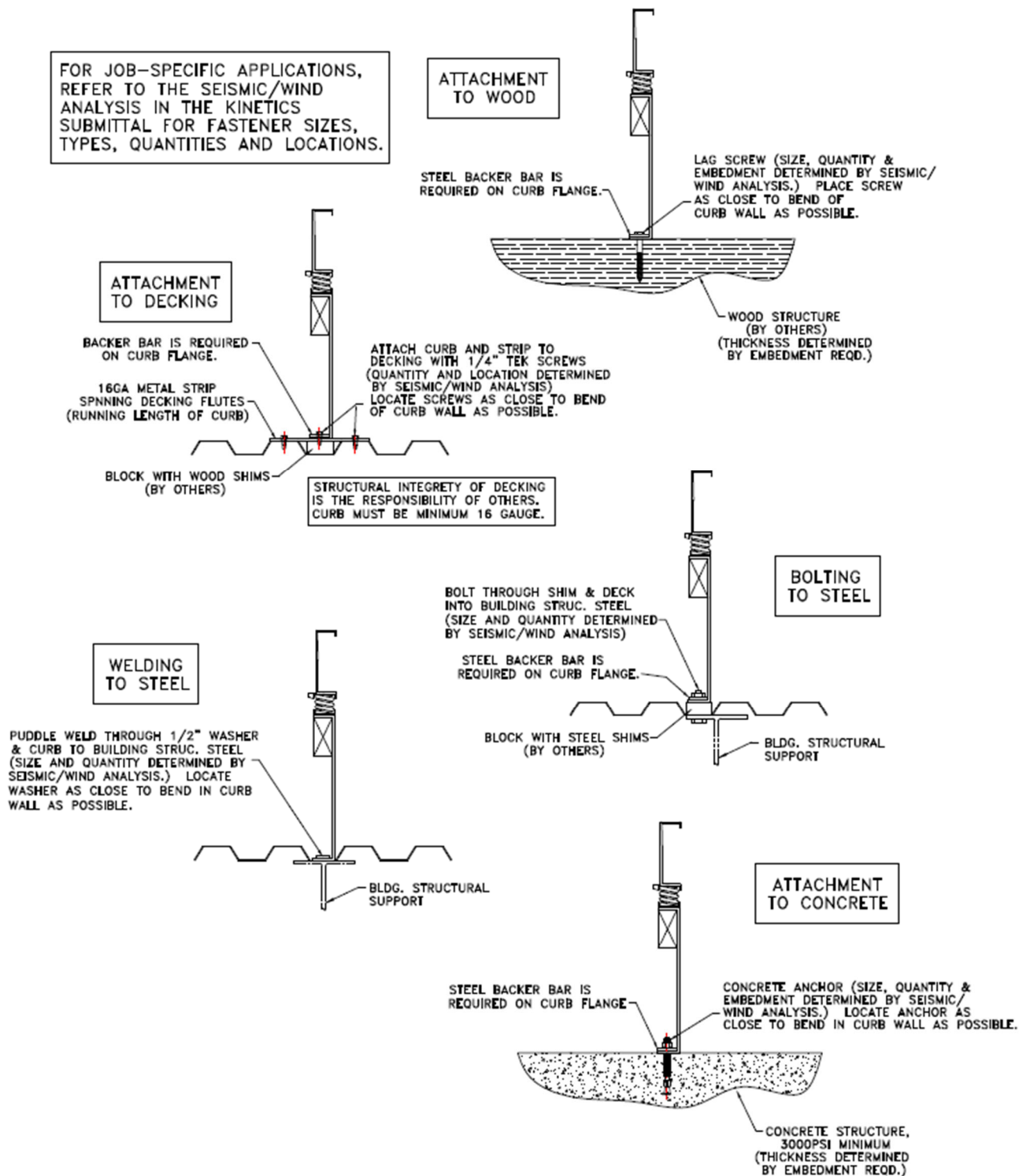
- E. Once the installation is complete, before the lifting equipment is permitted to leave the site and before interior ceiling tiles or other water damageable items are installed, spray the unit and the KSCR with water to check for and correct any leaks.

WARNING: *If the crane is dismissed before the above inspections and leak testing are completed, the manufacturer is not responsible for any cost to repair or modify the KSCR, including labor, materials, or crane rental.*

NOTE: *In the event the installation of the KSCR is not completed in accordance with these instructions, the manufacturer will not accept any responsibility for malfunction of the KSCR, damage to the KSCR or damage to any associated equipment or structure resulting from the installation.*

8. Suggested Methods of Attachment

FOR JOB-SPECIFIC APPLICATIONS, REFER TO THE SEISMIC/WIND ANALYSIS IN THE KINETICS SUBMITTAL FOR FASTENER SIZES, TYPES, QUANTITIES AND LOCATIONS.



9. Recommended Backer Bar Size

- A. Install with side A flush with the curb wall, and side B facing away from the unit.
- B. Size mounting hole to be 1/16" larger than fastener diameter.
- C. Backer bars will be provided if a seismic/wind analysis has been performed.

