



INSTALLATION INSTRUCTIONS

NOVA RAIN DEFLECTOR XTREME FOR PRE-INSTALLED SHELTERS

(Right or left – read from outside facing building)

- 1. PREPARE SHELTER HEAD CURTAIN:** Use roofing nails through the shelter head curtain to keep it in place. Remove the aluminum angle (if applicable) from the shelter head frame.
- 2. FASTEN HEAD FRAME BRACKET TO THE WALL:** Position head frame bracket on the wall and next to the back of the shelter sides so that the ledge will be in-line with the bottom of the head frame once installed. Use mounting anchors (not included) to attach to the wall. Use lag screws to attach to the side pad/frame.
- 3. ASSEMBLE RAIN PAD TO 2ND HEAD FRAME:** Position the rain pad onto the 2nd frame and overlay the aluminum angle on top to align holes. Fasten angle, pad and frame together with lag screws provided (do not over tighten). Make sure to remove shipping blocks from the ends of the head frame.
- 4. MOUNT HEAD FRAMES TOGETHER:** Place 2nd head frame on top of the head brackets with care taken to avoid damage to extended fiberglass section. Position frames together so that the head curtain of the shelter is in-between both frames. Drill holes through both frames and head curtain to install at least four (4) sets of thru-bolts (HH Cap Screw with 2 washers and 1 nut). Use more if necessary. **Avoid drilling through stays!**
- 5. ATTACH HEAD FRAME TO HEAD BRACKETS:** Use lag screws provided to screw on the 2nd head frame through the head brackets (side holes and bottom holes).
- 6. INSTALL CABLE ASSEMBLY:** Use mounting anchors (not included) to attach one end of the cable assembly to the wall. Use thru-bolts to attach the other end to the front of the 2nd head frame.
- 7. ATTACH SIDE FLAPS:** Use self-drilling screws to attach the side flaps to the head brackets. Ensure that the stay pocket is mounted to the front of the bracket.
- 8. CAULK AND FLASH BETWEEN HEAD FRAMES:** Use flashing and caulk where the head frames meet. Also caulk at the wall and under the aluminum angle. A silicone or butyl rubber caulk is recommended.

HARDWARE PROVIDED:

-3/8"-16 x 4" Hex Head Cap Screws	
-3/8" Fender Washers	-3/8"-16 Lock Nuts
-Lag Screws	-Cable Clamps
-Self Drilling Screws	-Brackets to attach cable to frame & wall
-3/16 cable	

SUGGESTED MOUNTING METHODS

(Mounting anchors not included)

CONCRETE BLOCK OR BRICK WALL: Try to hit mortar joints. Use 1/2" or 3/8" x 4" expansion anchors. Use through bolt fastening (minimum 2 per frame member) if anchors will not hold – 3/8" threaded rod is recommended.

PRECAST CONCRETE: Same as above.

METAL SKIN BUILDING: Through bolt fastening as above. Use a back-up plate (steel or wood) to support bolts, or anchor through existing building girt or purlin when possible.

RAIN DEFLECTOR TYPICAL ARRANGEMENT (GS/SS/RF SERIES TRUCK SHELTER SHOWN)

