

# INSTALLATION INSTRUCTIONS

## VERSA-LINE COMMERCIAL FINNED TUBE RADIATION JVA/JVB-E

### Not Recommend For Steam Applications.

1. Determine quantities of enclosure and accessories required per wall or run. If installation is wall-to-wall, run backplate to within ½" of adjoining wall(s). If run ends with end cap, extend backplate beyond end of required enclosure 1-1/2" for 3" end and 6" for 8-3/8" end.
2. Mount partial backplate to wall at prescribed height (Refer to Submittal Drawing) making sure that it is straight and level.
- 3A. **Hot Water Systems:** Install two (2) water brackets, using a standoff/gauge piece to locate the vertical position, per enclosure length up to 6'-0" of length. Use three (3) water brackets, using a standoff/gauge piece to locate the vertical position, per cover 6'-6" up to 8'-0" of length. Insert the notched end of the bracket standoff gauge piece into the top of the wall mounted water bracket and butt the 90° flange at the top of the standoff/gauge piece against the 90° bottom flange of the partial backplate. The standoff/gauge piece can be removed after the water bracket has been secured to the wall and re-used to position the remaining water brackets in the run. Accessories do not require brackets.

### 3B. **Steam Systems (Two Pipe):** Not Recommend For Steam Applications.

If this style of enclosure is used on two pipe steam applications, the backplate and enclosure must be pitched downward from the supply end of the element.

4. Lay out heating element as required. Place slide cradle onto the bottom of element at each bracket location. The element cradle has two legs that angle out slightly. Position the legs between the fins so there is tension against the legs. This holds the cradle in position. Check submittal drawing for correct position of element fin. **For copper tube elements, flush the loop or series with system water after soldering to neutralize the remaining flux material and prevent corrosive action and resulting pinhole leaks.**
5. The enclosure can now be installed. Start enclosure at left end of run, working clockwise. The enclosure back bend mounts directly into the 'V' bend of backplate. Firmly push next piece of cover into slip joint tabs of piece on left until run is completed. Secure bottom of enclosure into brackets. Tighten the posi-loc clamps to secure the enclosure.
6. Install overlapping accessories as indicated on room schedule. All accessories are overlapping. Valve Compartments are installed the same as enclosure. The top back bend is slipped between the wall and the backplate. The accessory bottom returns to the wall and is secured with fasteners by others.

### MAINTENANCE

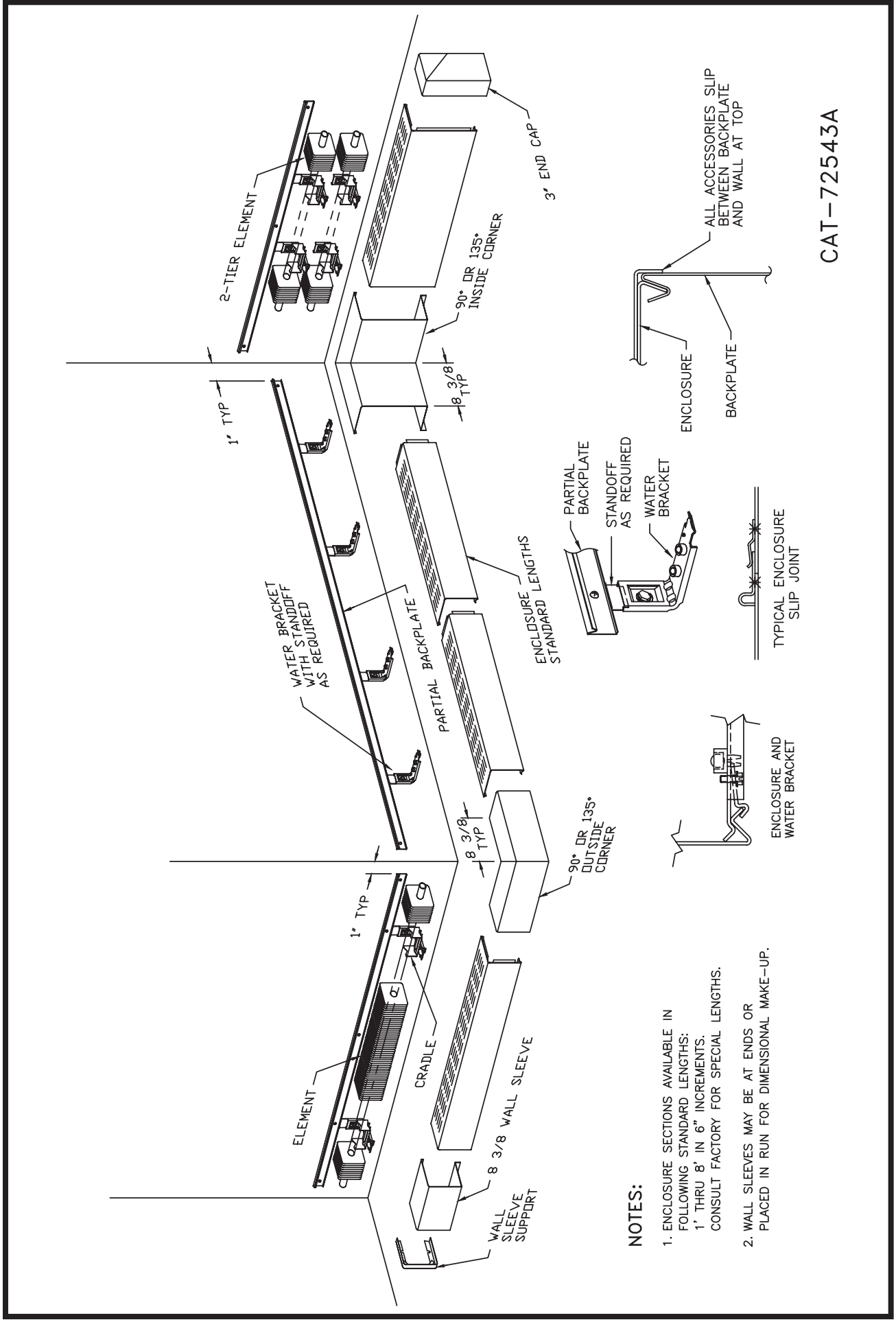
Before each heating season, remove accessories and enclosure panel to inspect finned tube elements for accumulation of dust or other debris that may accumulate and block airflow between fins. Remove dust and debris from coil fins with a vacuum cleaner or compressed air. Inspect for leaks or areas of corrosion. It should not be required, but if necessary, place a drop of lubricant (machine oil) onto each ball bearing (where applicable) located in the water brackets or bracket mounted hangers. Replace cover and accessories.



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# GENERAL LAYOUT



**NOTES:**

- ENCLOSURE SECTIONS AVAILABLE IN FOLLOWING STANDARD LENGTHS:  
1' THRU 8' IN 6" INCREMENTS.  
CONSULT FACTORY FOR SPECIAL LENGTHS.
- WALL SLEEVES MAY BE AT ENDS OR PLACED IN RUN FOR DIMENSIONAL MAKE-UP.

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