

# INSTALLATION INSTRUCTIONS

## DURA-VANE II COMMERCIAL FINNED TUBE RADIATION JDVPA1, A2/JDVPB1, B2

Pedestal mounted enclosures with standard rigid pedestal brackets are not recommended for use with steam systems.

1. Per the mechanical drawings, layout the pedestal brackets based on the enclosure lengths of the run. For enclosures 2'-0" to 5'-0" lengths, two (2) brackets will be required. These brackets should start and end 6" to 12" in from each end of the enclosure. For enclosures 5'-6" to 8'-0" lengths, three (3) brackets will be required. The third bracket will be centered between the two outer brackets.

- 2A. **Standard Rigid Pedestal Bracket:** When the standard bracket locations along the run have been determined, secure them to the floor with the specified fasteners (by others). The rear vertical bracket leg should be a minimum of 2" from the wall. Depending on the flatness of the finished floor, determine which (if any) of the brackets need to be shimmed to allow for a level and straight enclosure installation.

- 2B. **Optional Adjustable Pedestal Bracket with Cast Aluminum Base:** When the optional adjustable pedestal bracket, with cast aluminum base, locations along the run have been determined, secure the aluminum base to the floor with the specified fasteners (by others). Insert the pipe of the upper pedestal bracket assembly into the aluminum base and tighten the setscrews after the vertical elevation has been determined. The rear vertical bracket leg should be a minimum of 2" away from the wall. Depending on the flatness of the finished floor, determine which (if any) of the aluminum bases need to be shimmed to provide a level and straight enclosure installation.

3. Locate finned tube element where identified on mechanical drawings. Place element slide cradle supports onto element where brackets are located. The legs of the element cradles

are tapered slightly outward so that a friction or compression fit will occur and hold them in place when pressing the cradles into place between the element fins. Place element and element slide cradles onto the ball bearings in the bracket and make sweat connections. For steel element, apply specified pipe dope, or sealing tape for threaded connections with the required threaded fittings. Check submittal drawings to confirm dimension out from wall to center of element and up from finished floor. Once the elements are connected into the heating system, a standard pressure leak test should be conducted as specified by the Mechanical Engineer. **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.**

4. The enclosure can now be installed. Tap alignment pin into left front end of grille. (Use 2 pins on 2-wide enclosures.) Starting at left end of run, place enclosure on brackets. Firmly push next piece of cover into slip joint tabs and alignment pin(s) of next piece until run is completed.
5. All accessories are overlapping. When the accessory has been located to its correct position, bend the bottom tabs up and inward, securing it to the enclosure.

### MAINTENANCE

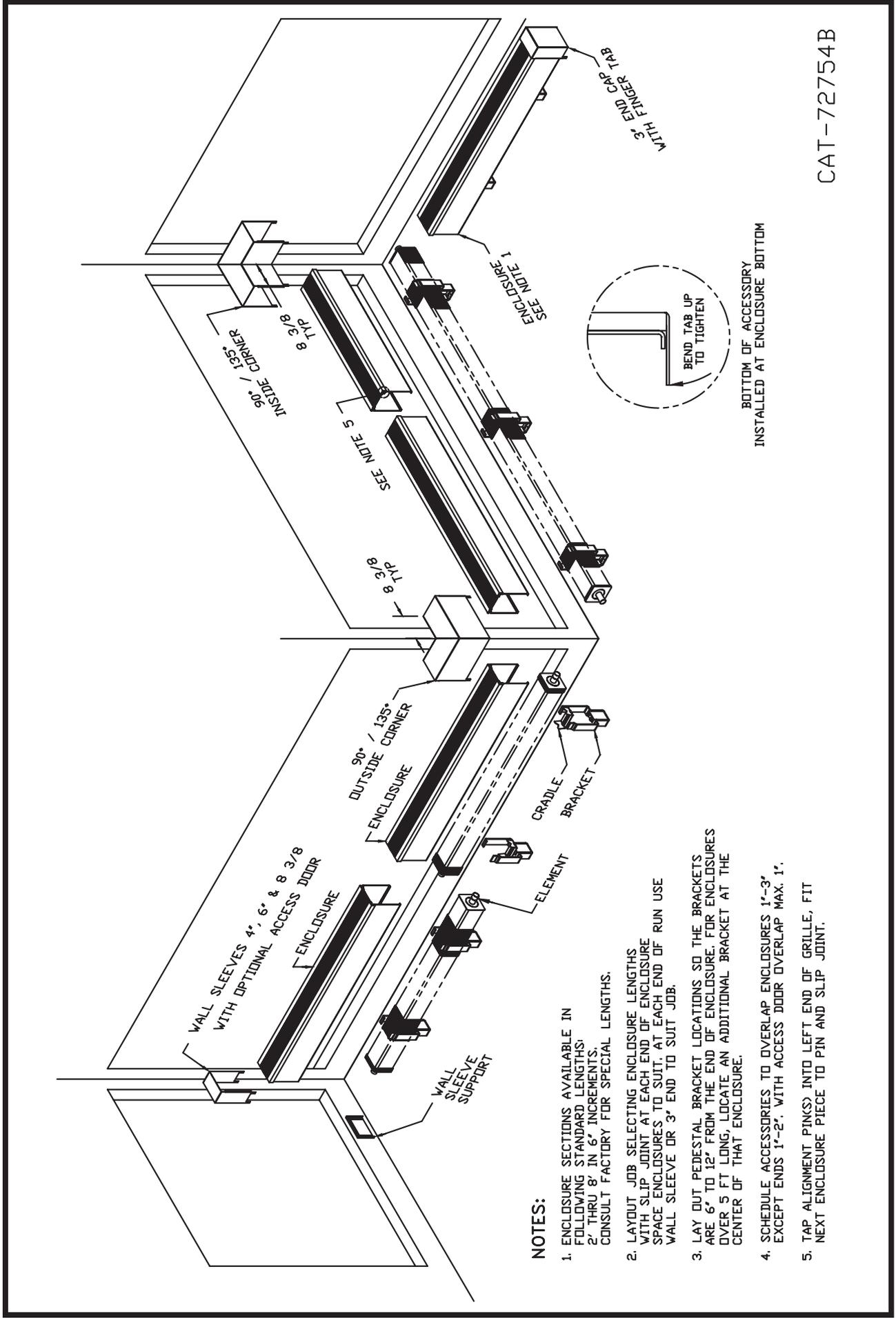
Before each heating season, remove accessories and enclosure panel to inspect finned tube elements for accumulation of dust or other debris that may accumulate and block airflow between fins. Remove dust and debris from coil fins with a vacuum cleaner or compressed air. Inspect for leaks or areas of 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:**

1. ENCLOSURE SECTIONS AVAILABLE IN FOLLOWING STANDARD LENGTHS: 2', THRU 8' IN 6" INCREMENTS. CONSULT FACTORY FOR SPECIAL LENGTHS.
2. LAYOUT JOB SELECTING ENCLOSURE LENGTHS WITH SLIP JOINT AT EACH END OF ENCLOSURE SPACE ENCLOSURES TO SUIT. AT EACH END OF RUN USE WALL SLEEVE OR 3" END TO SUIT JOB.
3. LAY OUT PEDESTAL BRACKET LOCATIONS SO THE BRACKETS ARE 6" TO 12" FROM THE END OF ENCLOSURE. FOR ENCLOSURES OVER 5 FT LONG, LOCATE AN ADDITIONAL BRACKET AT THE CENTER OF THAT ENCLOSURE.
4. SCHEDULE ACCESSORIES TO OVERLAP ENCLOSURES 1'-3" EXCEPT ENDS 1'-2". WITH ACCESS DOOR OVERLAP MAX. 1".
5. TAP ALIGNMENT PINS) INTO LEFT END OF GRILLE. FIT NEXT ENCLOSURE PIECE TO PIN AND SLIP JOINT.

BOTTOM OF ACCESSORY  
INSTALLED AT ENCLOSURE BOTTOM

CAT-72754B