

# INSTALLATION INSTRUCTIONS

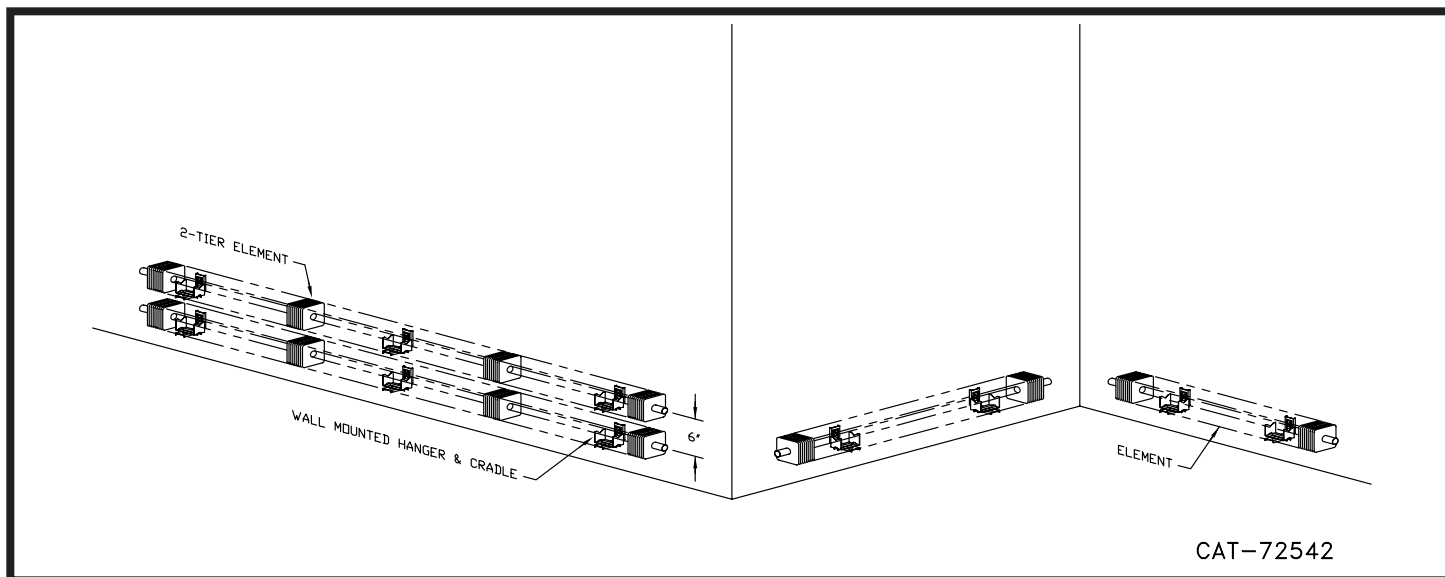
## VERSA-LINE COMMERCIAL FINNED TUBE RADIATION A/B/K OR SP BARE ELEMENT

1. Determine quantities of elements required per wall or run.
- 2A. **Hot Water Systems:** Install two (2) wall mounted hangers (elevation location will be found on submittal document or mechanical drawings.) per element length up to 5'-0" of length. Three (3) wall mounted hangers per element length 5'-6" up to 9'-6" (8'-0" for 3/4" copper/aluminum) of length. Four (4) wall mounted hangers per element length 9'-6" up to 12'-6". Apply the same for second and/or third tier of element if required. The vertical distance between element tube center lines should be 6 inches minimum for a second or third tier element.
- 2B. **Steam Systems (Two Pipe):** If the element(s) is used on two pipe steam applications, the wall mounted brackets will have to be pitched downward from the supply end of the element. The minimum rate of pitch is 1/2" drop over a 20 foot run. Install two (2) wall mounted hangers (elevation location will be found on submittal document.) per element length up to 5'-0" of length. Three (3) wall mounted hangers per element length 5'-6" up to 9'-6" (8'-0" for 3/4" copper/aluminum) of length. Four (4) wall mounted hangers per element length 9'-6" up to 12'-6". Apply the same for second and/or third tier of element if required. The vertical distance between element tube center lines should be 6 inches minimum for a second or third tier element.
3. Lay out element(s) as required. Place a 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.**

### 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.

## GENERAL LAYOUT



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