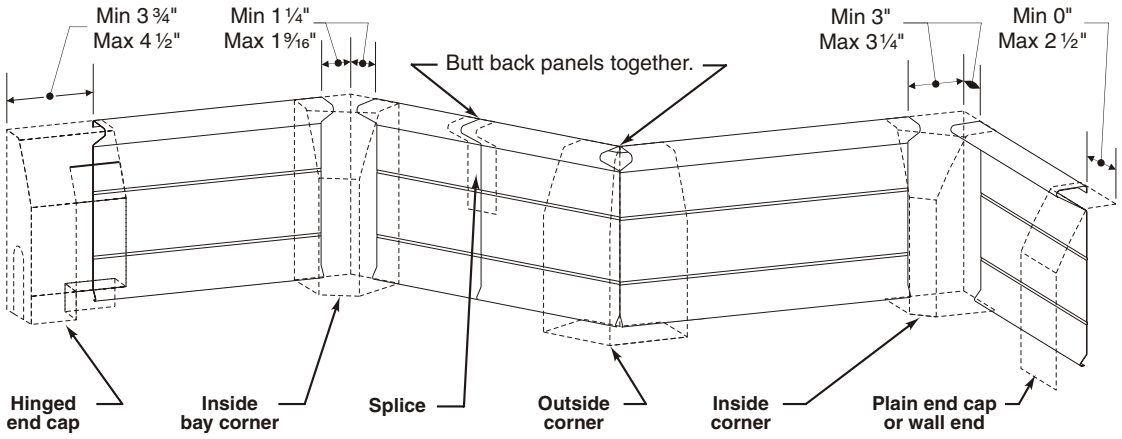
# THERMA TRIM

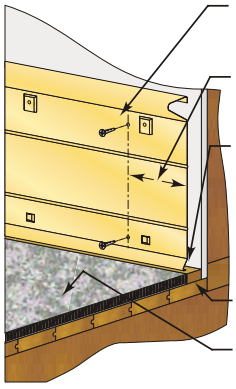
## MODEL TT HYDRONIC BASEBOARD ASSEMBLY INSTRUCTIONS

### 1 Position back panels

Back panels must be positioned correctly to accommodate accessories, as shown below.

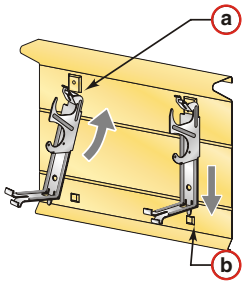



### 2 Attach back panel to wall



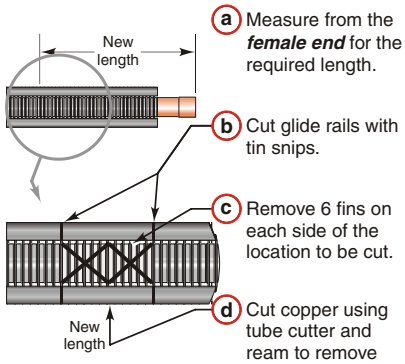

### 3 Install brackets

Position brackets evenly along length of panel, approximately every **2 feet**.

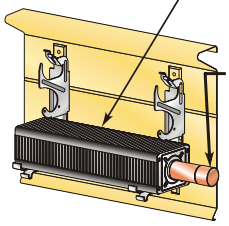



### 4 Cut element

When a shorter length is needed



## 5 Install element



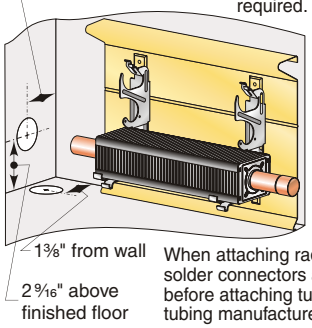
Place element on brackets as shown.

Assemble multiple elements by soldering the male end on one element into the female end of another.

For horizontal runs of more than **30 feet**, install expansion joints.

## 6 Holes for risers & connectors

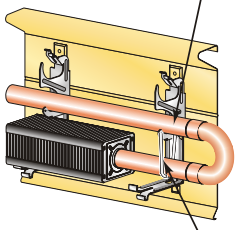
Drill 1½" holes for risers or connectors




Solder elements to risers and to any additional tubing that may be required.

When attaching radiant tubing, solder connectors and let cool before attaching tubing. Follow all tubing manufacturer's instructions.

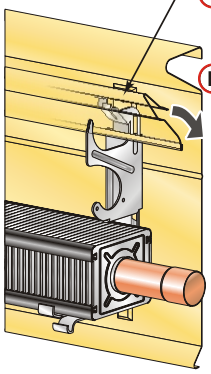
## 7 Support bare tubing



Place return pipe in cradle provided by bracket, as shown.

Support bare supply tubing from bracket using wire hangers, (not supplied).

## 8 Install damper



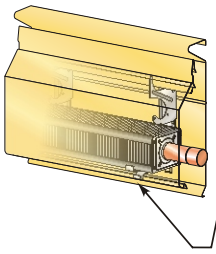
a Place open end of damper onto bracket half rounds.

b Press down and inward to snap onto bracket.

## 9 Install front cover

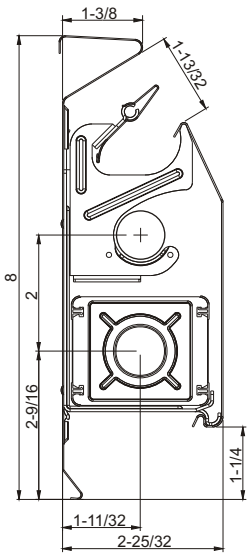
a Hook bottom lip of front cover under lower bracket arm as shown.

b Lift the front cover until top lip of cover snaps over top prong of bracket.



If cover does not fit snugly, bend lower bracket arm down and reinstall front cover.

# Dimensions




# Ratings

### Therma Trim Model TT I=B=R Approved Water Ratings

Capacities in BTU/Hr. per Linear Foot with 65°F Entering Air

| Water Flow Rate | | Average Water Temperature (°F) | | | | | |
|---|---|---|---|---|---|---|---|
| GPM | Lbs/Hr | 170 | 180 | 190 | 200 | 210 | 220 |
| 1 | 500 | 510 | 580 | 650 | 710 | 780 | 850 |
| 4 | 2000 | 540 | 610 | 690 | 750 | 820 | 900 |

**Notes:** I=B=R approved water ratings are based on the active (finned) length and include the 15% addition for heating effect allowed by the I=B=R Testing and Rating Code for Baseboard Type of Radiation. The active length is 3" less than the enclosure length. Ratings apply to the assembly with the damper installed and adjusted to the normally open position.

The heating elements are constructed of 3/4" nominal copper tubing expanded into 1 7/8" x 2 11/32" aluminum fins, which are spaced 67 to the foot; fin thickness is .008". Elements are unpainted.

Use of I=B=R ratings at the 4 gpm flow rate is limited to installations in which the water flow rate through the baseboard unit is equal to or greater than 4 gpm. Where the water flow rate is not known, the I=B=R ratings at the standard flow rate of 1 gpm must be used. Flow rates exceeding 6 gpm should be avoided because of possible noise.

Pressure drop through Therma Trim Baseboard is 0.047" of water per linear foot at the 1 gpm flow rate. At the 4 gpm flow rate, pressure drop is 0.525" of water per linear foot.

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