

# Electric Heater Parts Instruction Sheet

## Recessed Mounting Frame (EL-RM-XXXX) Installation Instructions

### WARNING



**DO NOT** cover the appliance with insulation or any other material after installation. This can cause overheating, resulting in fire, personal injury, or death. Always maintain clearances to combustibles as found in the applicable installation manual.

### Kit Contents

- (1) Recessed Support Frame (A)
- (2) Mounting Rails (B)
- (2) Alternate End Caps (C)
- (1) 36" High-Temp Electrical Whip (Not Shown)\*
- (8) #8 x 3/4" Black Screws (D)
- (6) #10 x 1/2" Self-Drilling Screws (E)
- (3) High-Temp Wire Nuts (Not Shown)

\* If a longer high-temp whip is required, contact the factory for assistance.

Figure 1 • Kit Contents

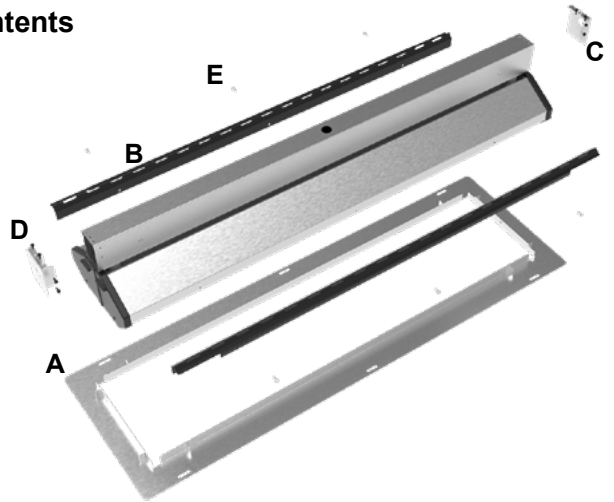


Chart 1 • Dimensions for Ceiling Cut-Out

		EL-RM-XXX1				EL-RM-XXX2		
		24"	33"	46"	60"	24"	33"	46"
<b>Rafter Spacing</b>	<b>Width</b>	16" on Center				22" on Center		
<b>Interior cavity dimensions (minimum)</b>	<b>Length</b>	26.75"	35.75"	48.75"	62.75"	26.75"	35.75"	48.75"
	<b>Width</b>	12.75"				18.75"		
	<b>Height</b>	10.00"				10.00"		
<b>Decorative Ceiling Cutout (minimum)</b>	<b>Length</b>	26.50"	35.50"	48.50"	62.50"	26.50"	35.50"	48.50"
	<b>Width</b>	12.625"				18.625"		

### Installation Instructions

- 1 Cut an appropriate sized hole in ceiling for selected heater model as determined by Chart 1.
- 2 Use a minimum 5/8" thick Type X drywall that is one-hour fire-rated to construct the recessed cavity. Secure each piece of the drywall to the sides of the rafters. Refer to Chart 1 for the internal dimensions of the cavity.

Figure 2 • Ceiling Pocket with 5/8" Type X Drywall

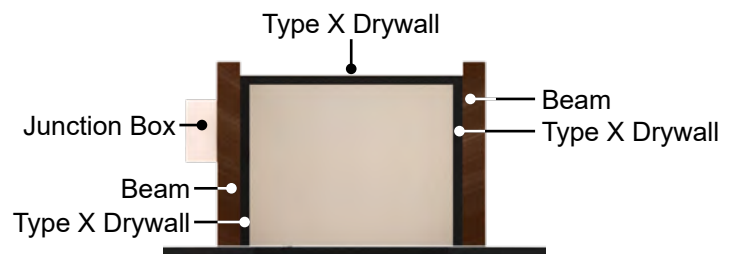


Figure 3 • Ceiling Pocket Between Framing



Figure 4 • Ceiling Pocket in Finished Ceiling



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- Secure the recessed support frame (A) to the rafters using six (6) field-supplied wood screws. If the ceiling is finished, secure the frame to the finished ceiling, ensuring the screws are long enough to penetrate the rafters.

Figure 5 • Recessed Frame on Rafters

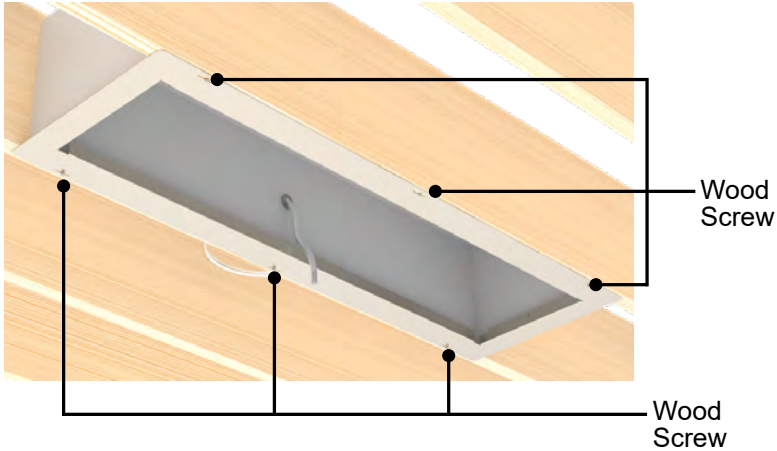
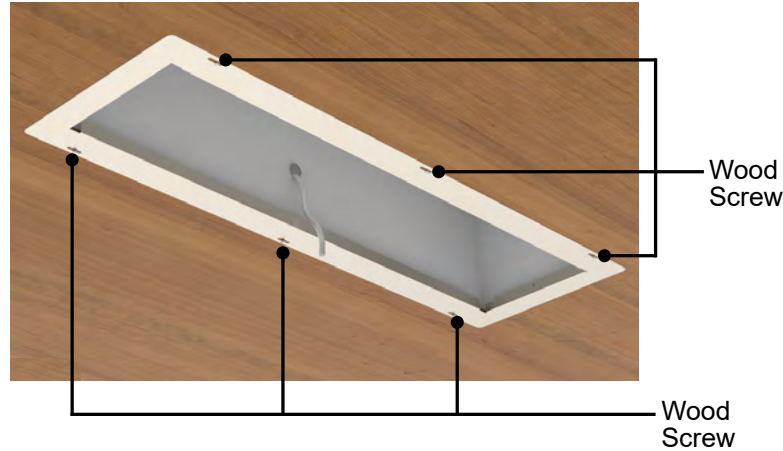
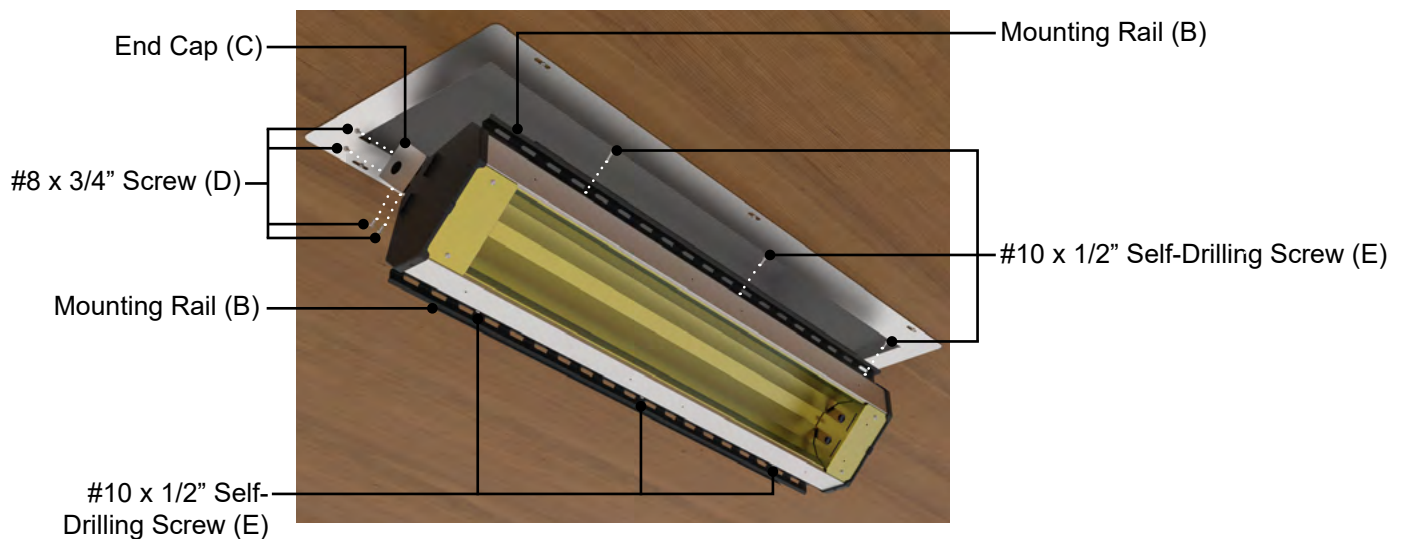


Figure 6 • Recessed Frame on Finished Ceiling



- Fasten the mounting rails (B) to the sides of the heater using three (3) #10 x 1/2" self-drilling screws (E) each.
- Remove the existing mounting end caps and replace with the supplied replacement end caps (C). Secure using four (4) #8 x 3/4" screws (D) each (see Figure 7).
- Connect the electrical whip to the heater, leaving the supplied high temperature wire nuts inside of the raceway. Once ready to install the heater, connect the other end of the electrical whip to the field source in a field-supplied junction box outside of the fire-rated isolation box.

Figure 7 • Mounting Rail and End Cap Installation

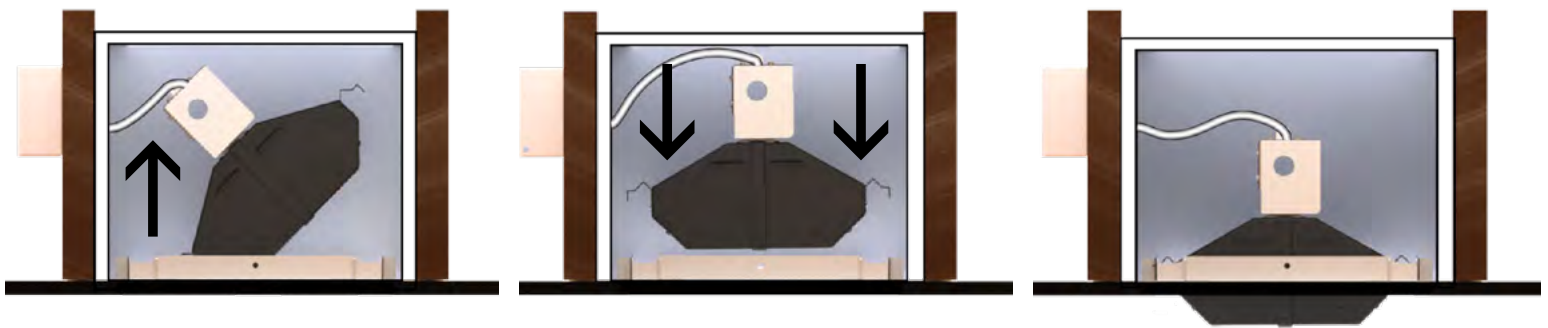


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- 7 Rotate the heater assembly (without elements installed) and lift through the recessed support frame, ensuring the mounting rails are clear as shown in Figure 8.
- 8 Once the heater is all the way inside the recessed cavity, rotate the heater so the mounting rails sit flat on the frame, leaving only the bottom of the heater exposed below the structure as shown in Figure 8. **NOTE:** Ensure the high temperature electrical whip is fully inside the recessed cavity while installing the heater. Pull the remaining slack through the outside of the cavity once installed.
- 9 Carefully install the elements as shown in the Series Installation Manual.

Figure 8 • Heater Installation in Frame



- 10 If covering the recessed support frame with a decorative ceiling, refer to Chart 1 for the cutout dimensions, then secure to the rafters covering the recessed frame. If the support frame has been affixed to a finished ceiling, decorative trim can be installed up to the edge of the ceiling cutout, making sure not to cover any of the open space inside the cutout as shown in Figure 9.

Figure 9 • Decorative Trim



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