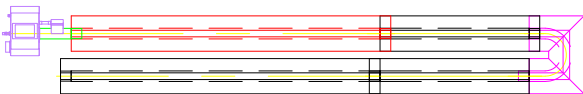
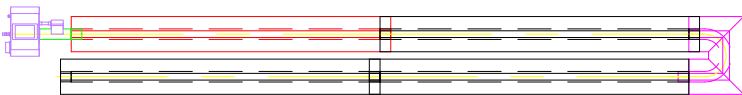


|                                                                                                                                                   |                    |                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------|
| <div><div><div>REVERBER-RAY</div><div></div></div><div><div>DETROIT RADIANT PRODUCTS</div><div>21400 HOOVER RD WARREN, MI 48089</div></div></div> |                    |                  |
| DETAILS:<br>CL3 SERIES BLOCKS - STRAIGHT CONFIGURATION                                                                                            |                    |                  |
| DRAWN BY:<br>DRP                                                                                                                                  | SCALE:<br>1:1      | PROJECT:         |
| CHECKED BY:                                                                                                                                       | DATE:<br>AUG. 2024 | DRAWING NO:<br>1 |

CL3 Series 30' "U"



CL3 Series 40' "U"



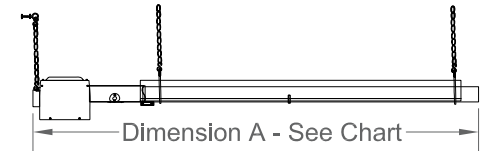
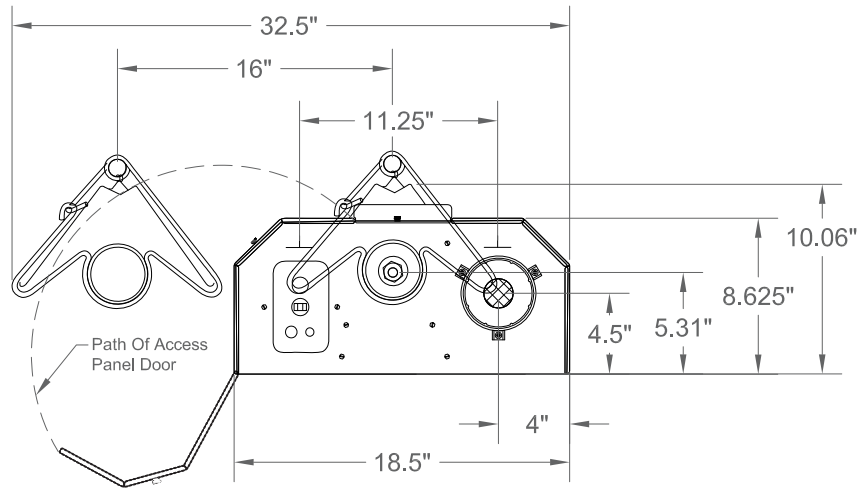
CL3 Series 50' "U"



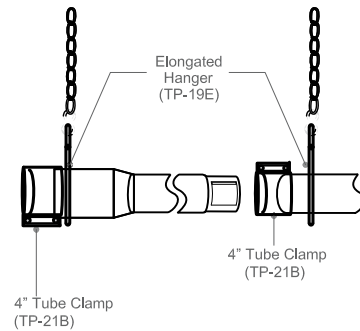
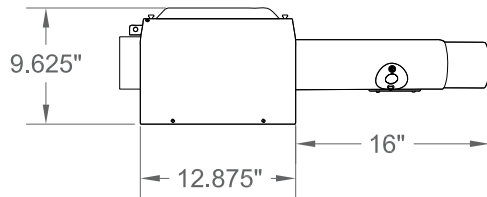
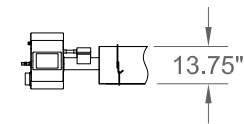
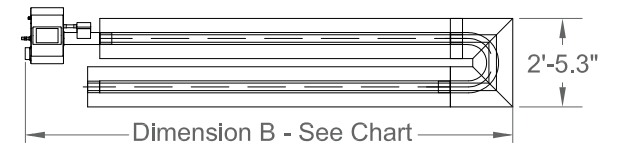
**DETROIT RADIANT PRODUCTS**  
21400 HOOVER RD WARREN, MI 48089

DETAILS:  
CL3 SERIES BLOCKS - "U" CONFIGURATION

|                  |                    |                  |
|------------------|--------------------|------------------|
| DRAWN BY:<br>DRP | SCALE:<br>1:1      | PROJECT:         |
| CHECKED BY:      | DATE:<br>AUG. 2024 | DRAWING NO:<br>1 |



| MODEL NUMBER | DIMENSION "A"<br>STRAIGHT | DIMENSION "B"<br>U-TUBE |
|--------------|---------------------------|-------------------------|
| CL3-30       | 31'-5"                    | 17'-9" *                |
| CL3-40       | 41'-1"                    | 22'-9"                  |
| CL3-50       | 50'-9"                    | 27'-5" *                |



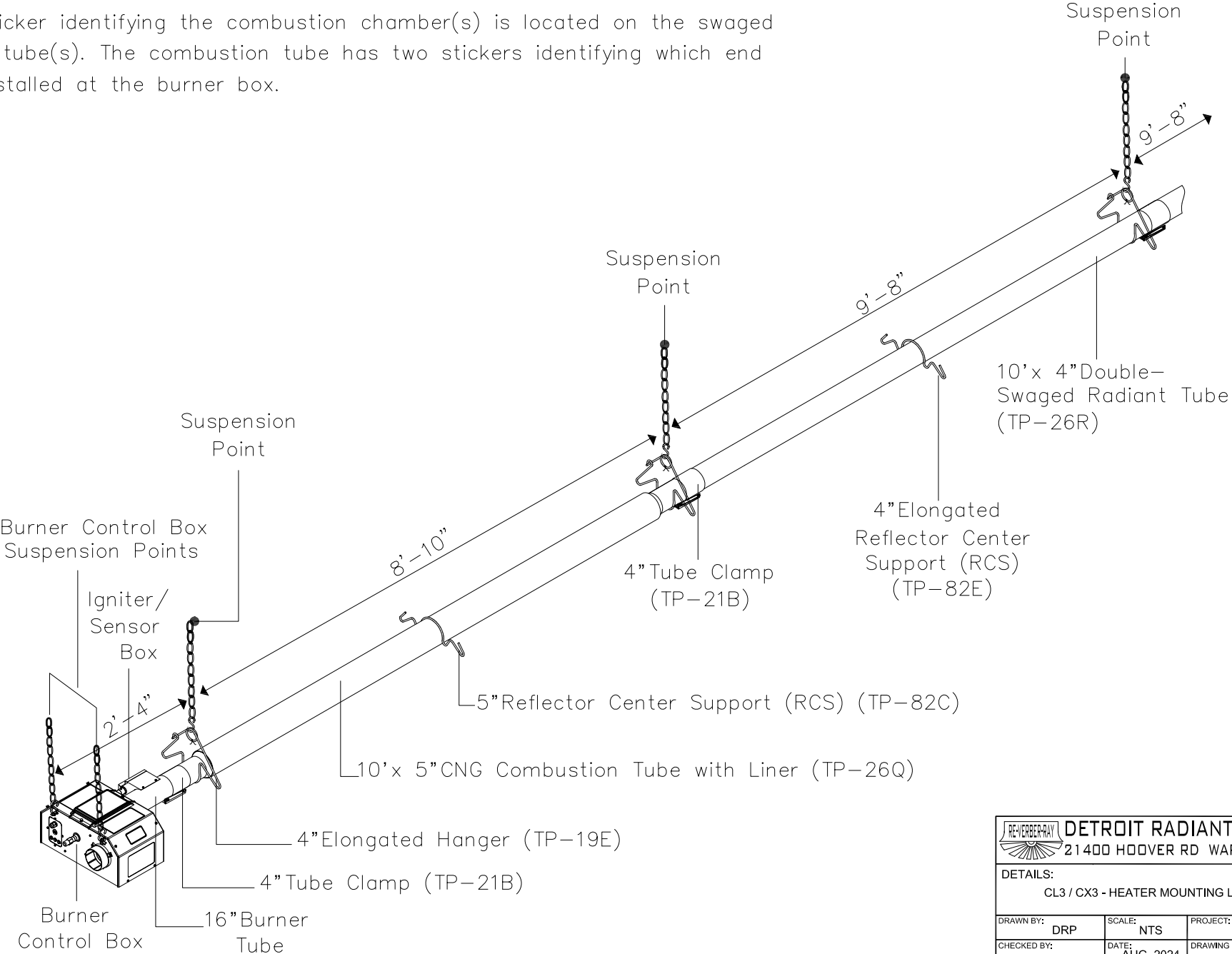
**RE-VERBER-RAY** **DETROIT RADIANT PRODUCTS**  
21400 HOOVER RD WARREN, MI 48089

DETAILS:

CL3 SERIES - HEATER DIMENSIONAL DATA

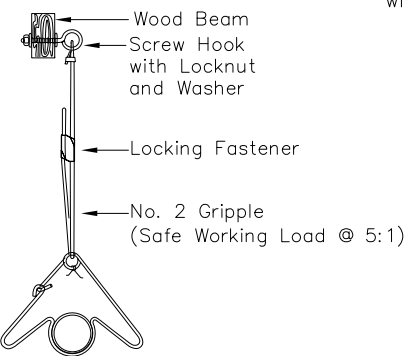
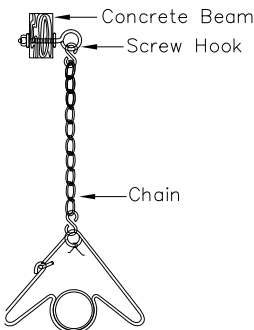
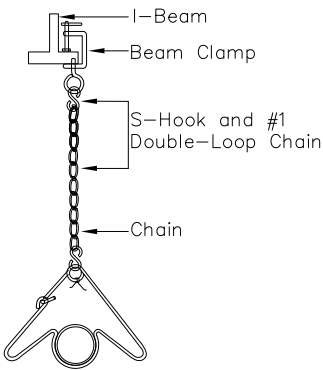
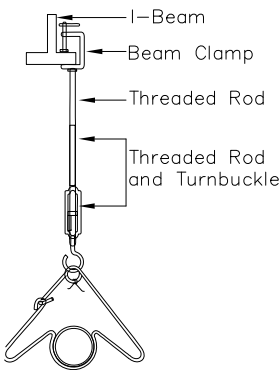
|                  |                    |                  |
|------------------|--------------------|------------------|
| DRAWN BY:<br>DRP | SCALE:<br>NTS      | PROJECT:         |
| CHECKED BY:      | DATE:<br>AUG. 2024 | DRAWING NO:<br>1 |

NOTE: A sticker identifying the combustion chamber(s) is located on the swaged end of the tube(s). The combustion tube has two stickers identifying which end must be installed at the burner box.

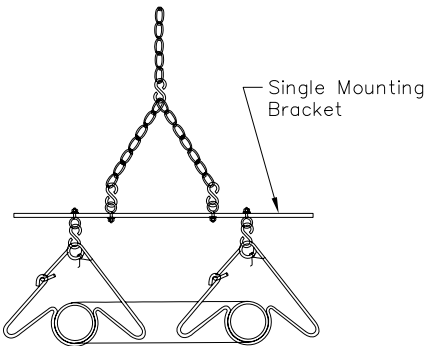


|                                                                                                                 |                    |                  |
|-----------------------------------------------------------------------------------------------------------------|--------------------|------------------|
| <div>RE-VERBER-RAY</div> <div><b>DETROIT RADIANT PRODUCTS</b></div> <div>21400 HOOVER RD WARREN, MI 48089</div> |                    |                  |
| DETAILS:<br>CL3 / CX3 - HEATER MOUNTING LAYOUT DETAILS                                                          |                    |                  |
| DRAWN BY:<br>DRP                                                                                                | SCALE:<br>NTS      | PROJECT:         |
| CHECKED BY:                                                                                                     | DATE:<br>AUG. 2024 | DRAWING NO:<br>1 |

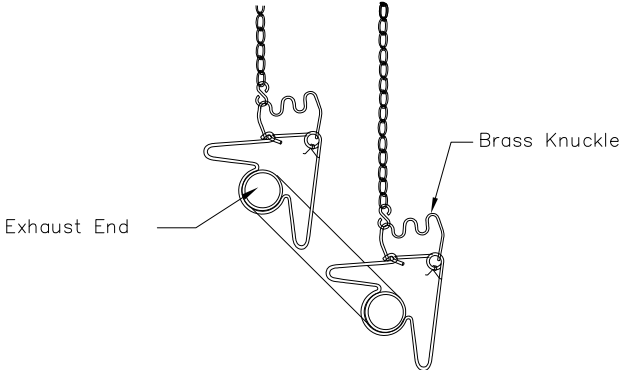
Mounting the Hangers



U-Tube Hanger Mounting Options



U-Tubes can be mounted from a single suspension point using a Single Mounting Bracket (P/N: SMB) with five S-hooks and #1 double-loop chains.

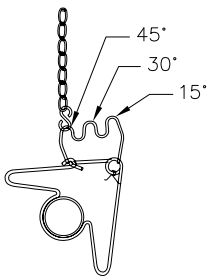


U-Tubes can be mounted at a 15°, 30°, or 45° angle with two suspension points, using two Brass Knuckle (P/N: BK) fittings, #1 double-loop chains and S-hooks.

Angled Hanger Mounting Options



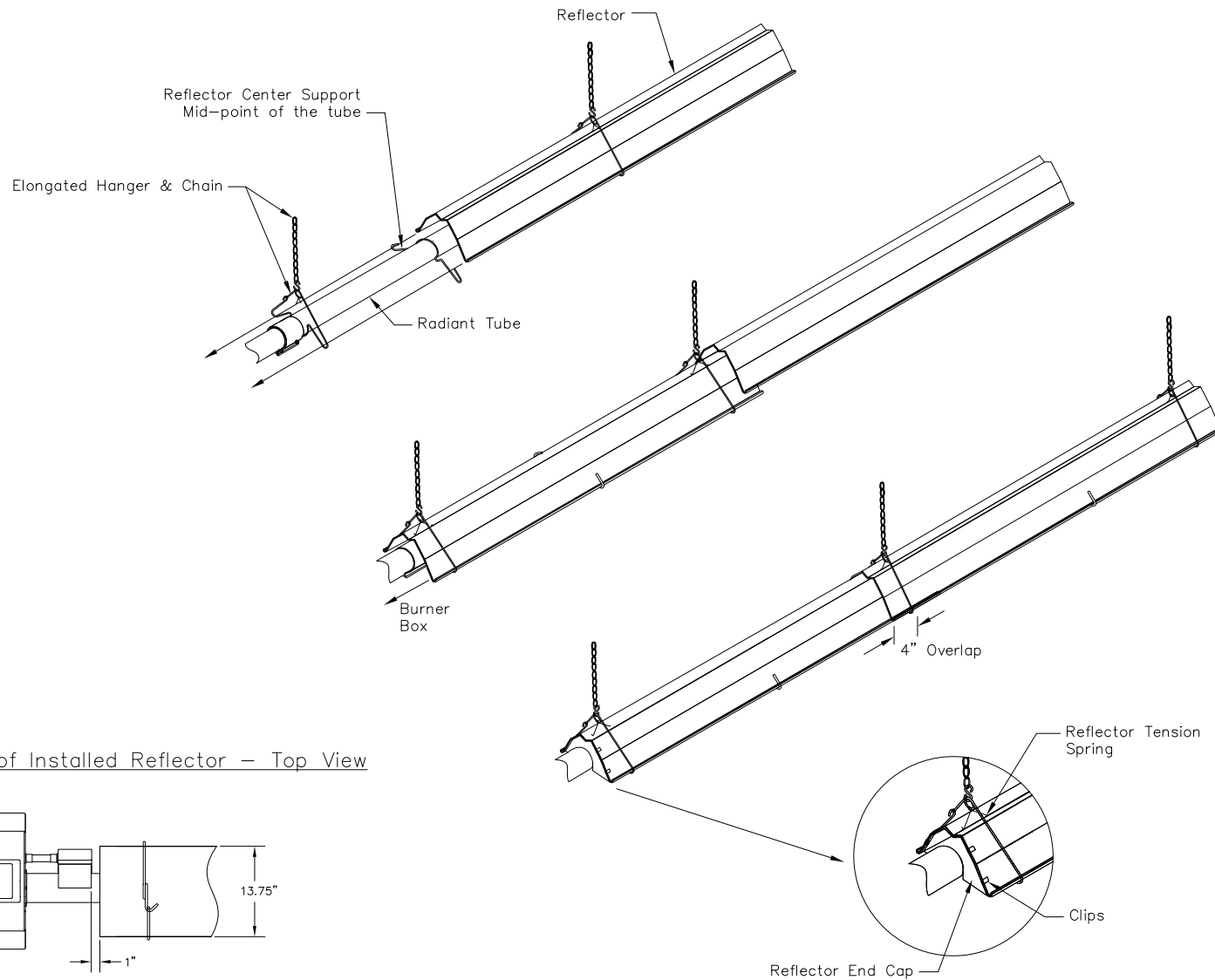
For 45° hanging angle, use two S-hooks and two #1 double-loop chains.



For a variety of hanging angles, use the Brass Knuckle (P/N: BK) fitting with a #1 double-loop chain and S-hook.

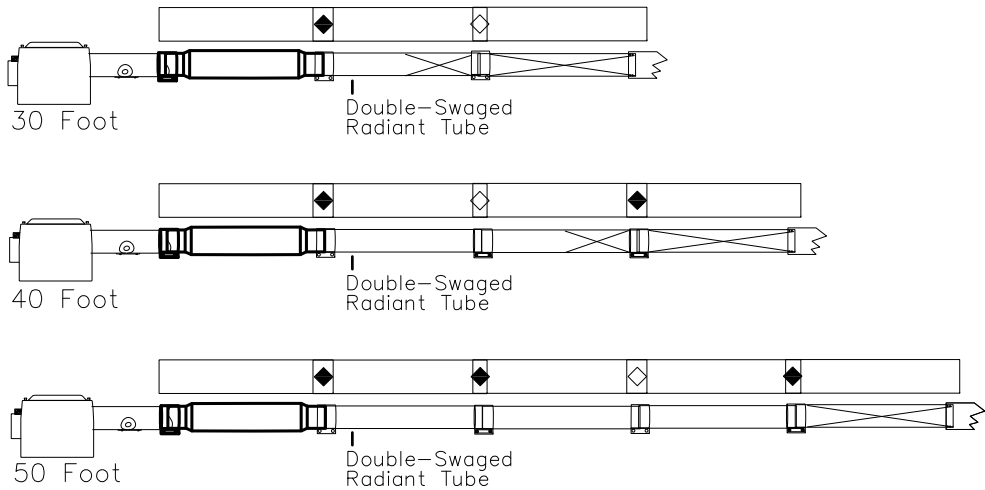
|                                                                                                                                                           |                    |                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------|
|  <b>DETROIT RADIANT PRODUCTS</b><br>21400 HOOVER RD WARREN, MI 48089 |                    |                  |
| DETAILS:<br>HEATER HANGER DETAILS                                                                                                                         |                    |                  |
| DRAWN BY:<br>DRP                                                                                                                                          | SCALE:<br>NTS      | PROJECT:         |
| CHECKED BY:                                                                                                                                               | DATE:<br>AUG. 2024 | DRAWING NO:<br>1 |

## Reflector Assembly

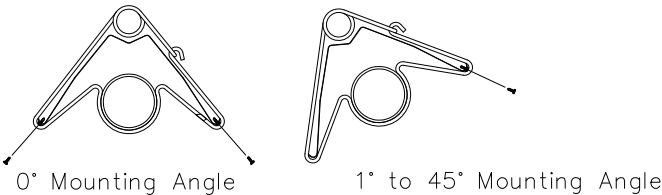


|                                                                                       |                        |                      |
|---------------------------------------------------------------------------------------|------------------------|----------------------|
| <b>REVERBERAY</b> <b>DETROIT RADIANT PRODUCTS</b><br>21400 HOOVER RD WARREN, MI 48089 |                        |                      |
| <b>DETAILS:</b><br>CL3 / CX3 - REFLECTOR ASSEMBLY DETAILS                             |                        |                      |
| DRAWN BY: <b>DRP</b>                                                                  | SCALE: <b>NTS</b>      | PROJECT:             |
| CHECKED BY:                                                                           | DATE: <b>AUG. 2024</b> | DRAWING NO: <b>1</b> |

Final Heater Assembly  
Tube Installation Sequence, Baffle Location and Secured Joints for Reflectors



NOTE: When securing joints on reflectors which are rotated on an angle from horizontal, secure joint only on top side of reflector to allow for sufficient heater expansion and contraction.



Expansion Joint on Reflectors

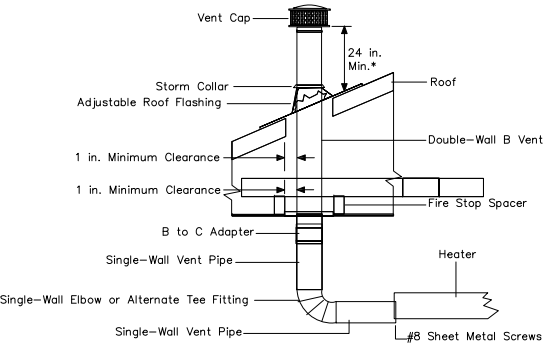
Secured Joint on Reflectors  
See note.

Baffle Location

Primary Combustion Chamber with Clamp

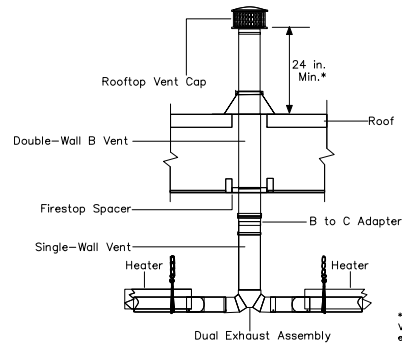
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|----------------------------------------------------------------------------------------------------------|--------------------|------------------|
| <div>RE-VERBER-RAY</div> <div>DETROIT RADIANT PRODUCTS</div> <div>21400 HOOVER RD WARREN, MI 48089</div> |                    |                  |
| DETAILS:<br>CL3 / CX3 - FINAL HEATER ASSEMBLY DETAILS                                                    |                    |                  |
| DRAWN BY:<br>DRP                                                                                         | SCALE:<br>NTS      | PROJECT:         |
| CHECKED BY:                                                                                              | DATE:<br>AUG. 2024 | DRAWING NO:<br>1 |

General Vent Requirements



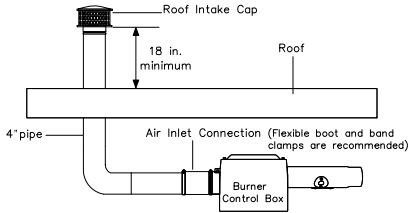
\*Consult the NFPA ANSI Z223.1 Gas Vent Termination criteria if roof pitch exceeds 9:12.

Common Rooftop Venting – Side View

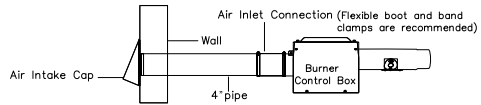


\*Consult the NFPA ANSI Z223.1 Gas Vent Termination criteria if roof pitch exceeds 9:12.

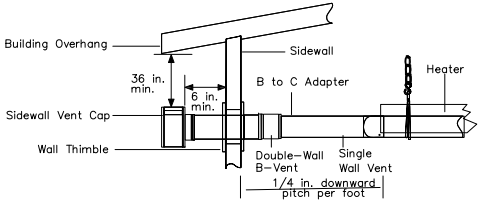
Vertical Outside Air Supply for Single Heater Intake – Side View



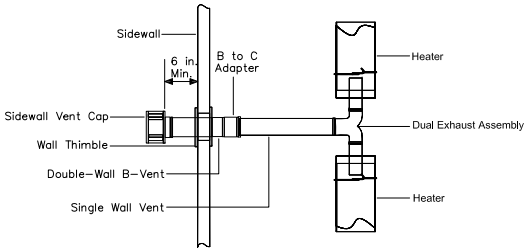
Horizontal Outside Air Supply for Single Heater Intake – Side View



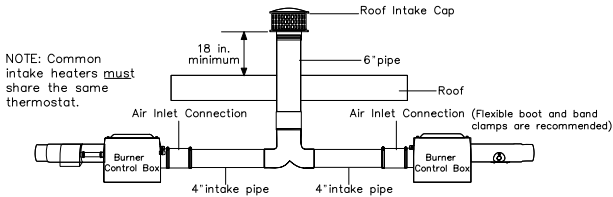
Sidewall Venting Requirements



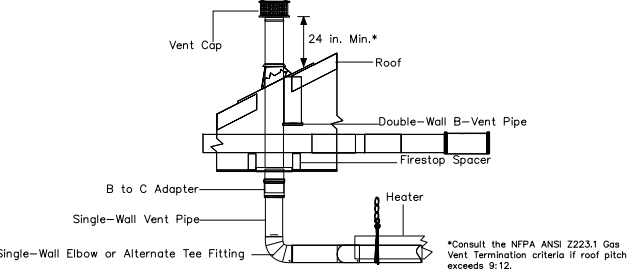
Common Sidewall Venting – Top View



Vertical Outside Air Supply for Common Intake – Side View

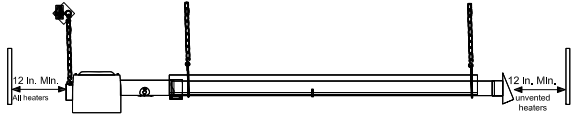


Rooftop Venting – Side View



\*Consult the NFPA ANSI Z223.1 Gas Vent Termination criteria if roof pitch exceeds 9:12.

Unvented Operation



|                                                                                                                                                           |                        |                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------|
|  <b>DETROIT RADIANT PRODUCTS</b><br>21400 HOOVER RD WARREN, MI 48089 |                        |                      |
| <b>DETAILS:</b><br>V3 - VENTING AND AIR INTAKE DETAILS                                                                                                    |                        |                      |
| DRAWN BY: <b>DRP</b>                                                                                                                                      | SCALE: <b>NTS</b>      | PROJECT:             |
| CHECKED BY:                                                                                                                                               | DATE: <b>AUG. 2024</b> | DRAWING NO: <b>1</b> |