

HL3 Series 20'



HL3 Series 30'



HL3 Series 40'



HL3 Series 50'



HL3 Series 60'



HL3 Series 70'

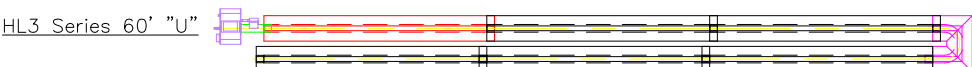
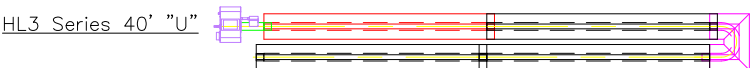
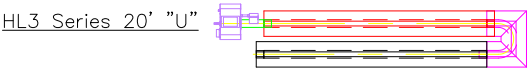




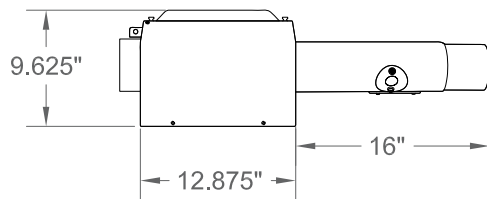
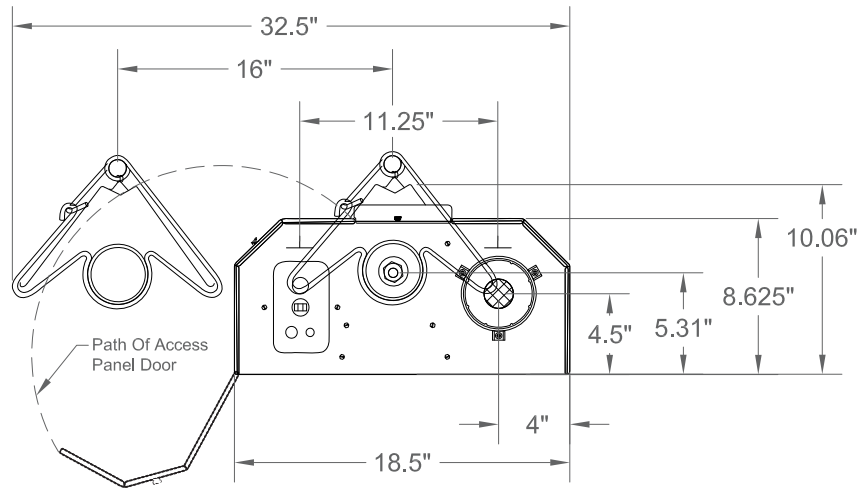
DETROIT RADIANT PRODUCTS
21400 HOOVER RD WARREN, MI 48089

DETAILS:
HL3 SERIES BLOCKS - STRAIGHT CONFIGURATION

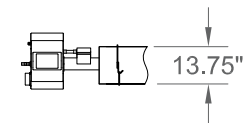
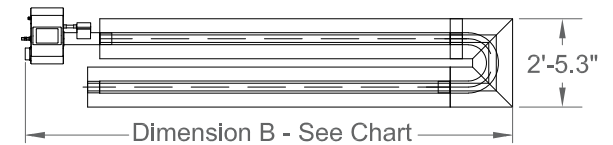
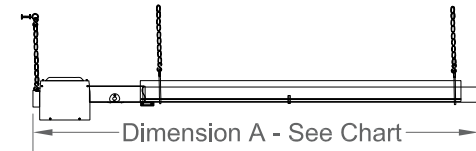
DRAWN BY: DRP	SCALE: 1:1	PROJECT:
CHECKED BY:	DATE: AUG. 2024	DRAWING NO: 1



RE-ROBERT-GAY DETROIT RADIANT PRODUCTS 21400 HOOVER RD WARREN, MI 48089		
DETAILS: HL3 SERIES BLOCKS - "U" CONFIGURATION		
DRAWN BY: DRP	SCALE: 1:1	PROJECT:
CHECKED BY:	DATE: AUG. 2024	DRAWING NO: 1

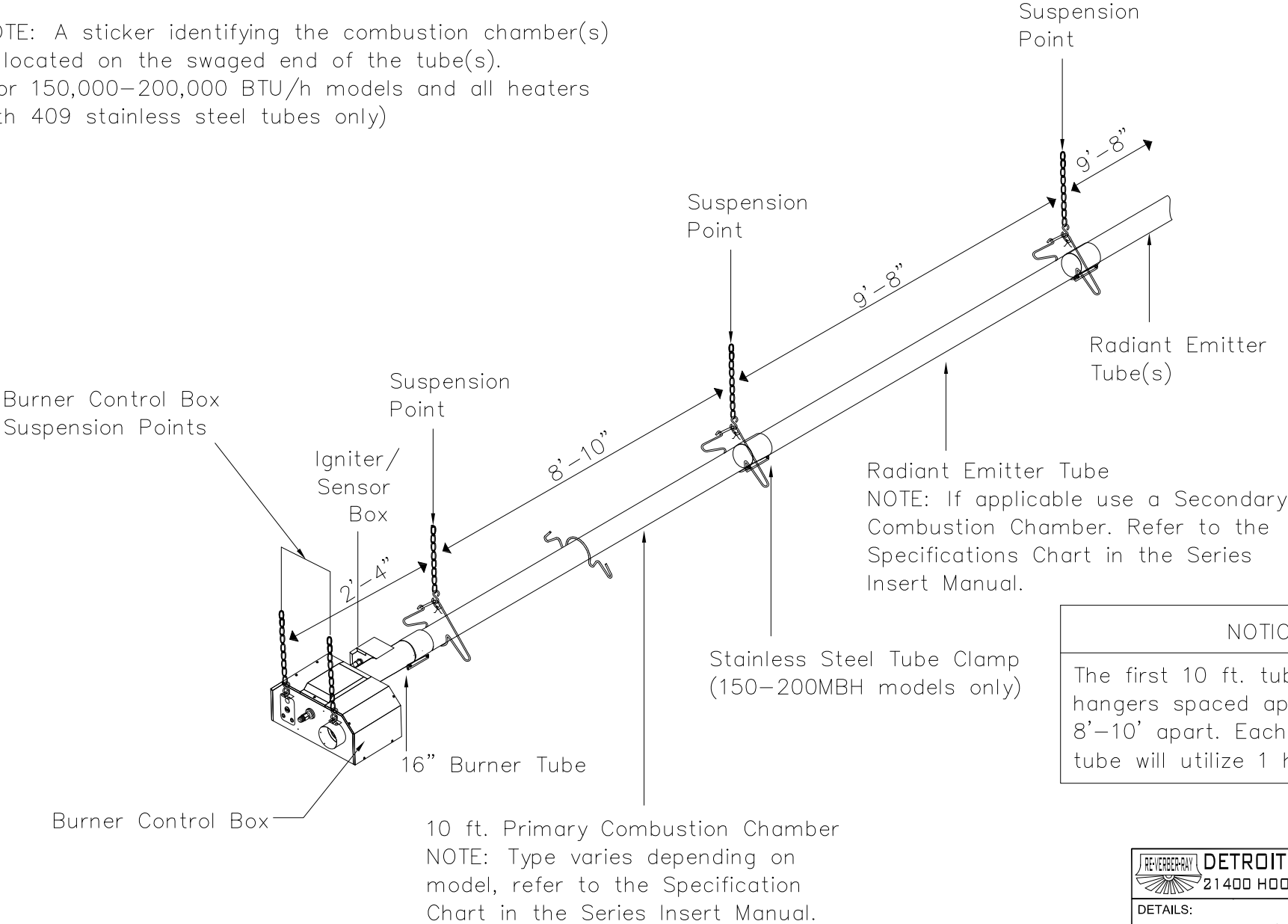


MODEL NUMBER	DIMENSION "A" STRAIGHT	DIMENSION "B" U-TUBE
HL3-20	21'-9"	13'-1"
HL3-30	31'-5"	17'-9" *
HL3-40	41'-1"	22'-9"
HL3-50	50'-9"	27'-5" *
HL3-60	60'-5"	32'-5"
HL3-70	70'-1"	37'-3" *



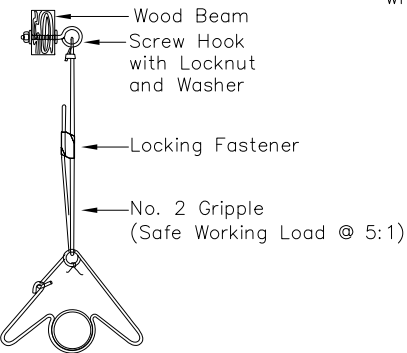
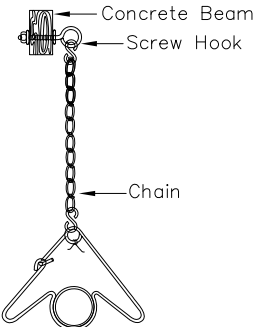
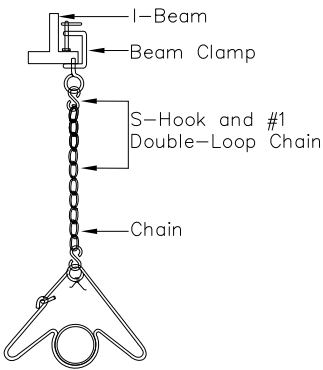
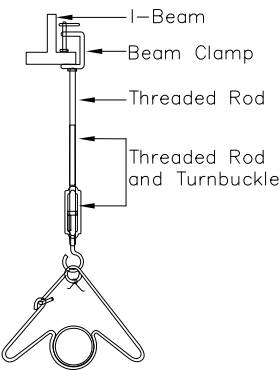
 DETROIT RADIANT PRODUCTS 21400 HOOVER RD WARREN, MI 48089		
DETAILS: HL3 SERIES - HEATER DIMENSIONAL DATA		
DRAWN BY: DRP	SCALE: NTS	PROJECT:
CHECKED BY:	DATE: AUG. 2024	DRAWING NO: 1

NOTE: A sticker identifying the combustion chamber(s) is located on the swaged end of the tube(s).
(For 150,000–200,000 BTU/h models and all heaters with 409 stainless steel tubes only)

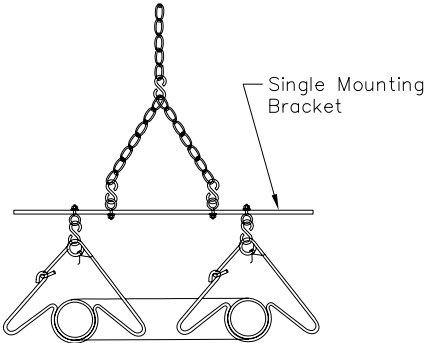


REVERBER-RAY DETROIT RADIANT PRODUCTS 21400 HOOVER RD WARREN, MI 48089		
DETAILS: V3 - HEATER MOUNTING LAYOUT DETAILS		
DRAWN BY: DRP	SCALE: NTS	PROJECT:
CHECKED BY:	DATE: AUG. 2024	DRAWING NO: 1

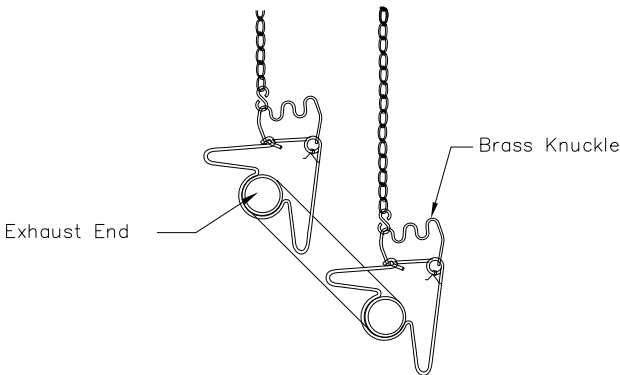
Mounting the Hangers



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.

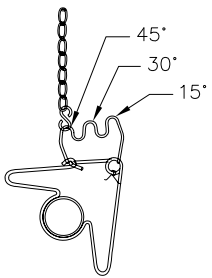


U-Tubes can be mounted at a 15°, 30°, or 45° angle with two suspension points, using two Brass Knuckle (P/N: BK) fittings, #1 double-loop chains and S-hooks.

Angled Hanger Mounting Options



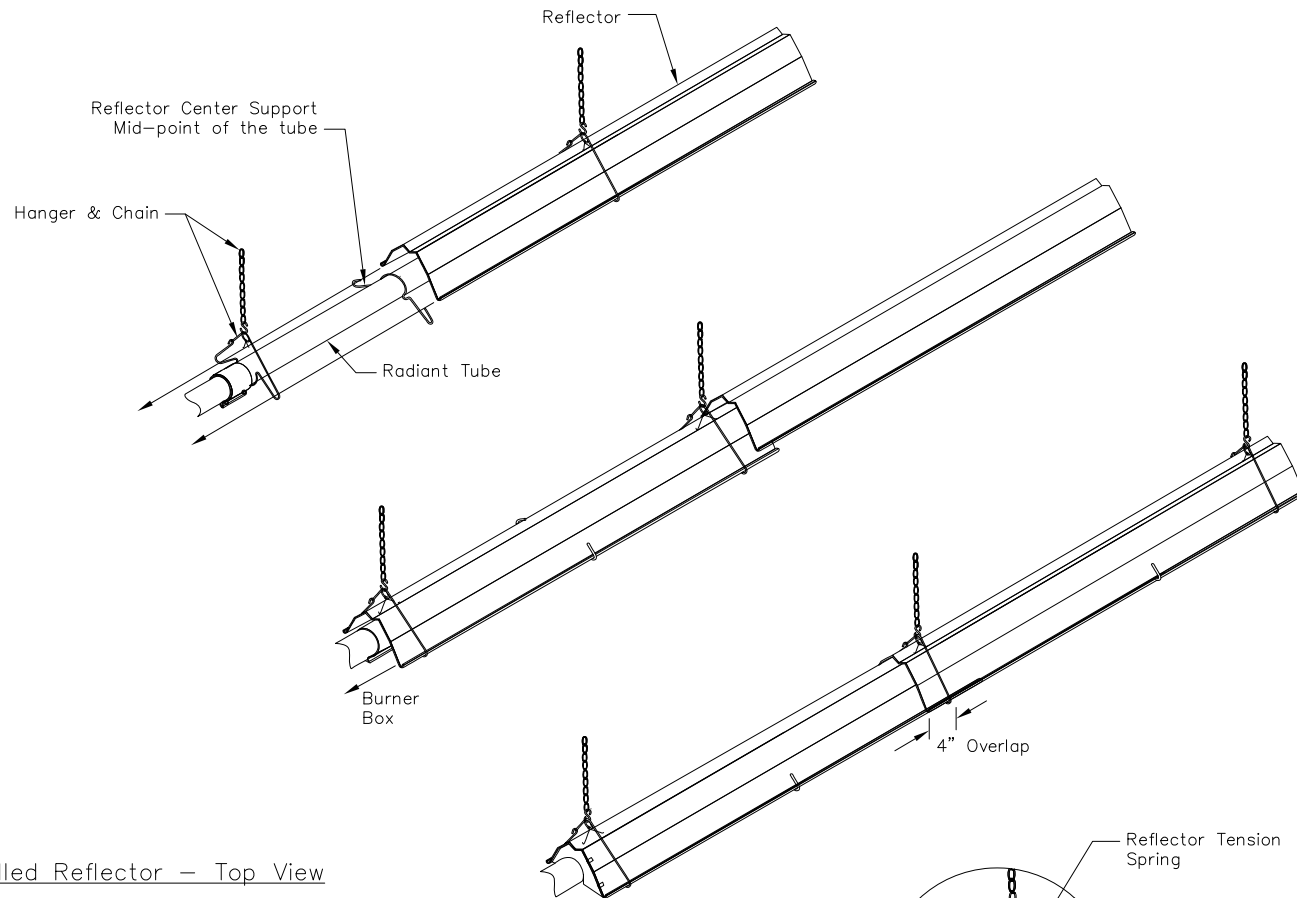
For 45° hanging angle, use two S-hooks and two #1 double-loop chains.



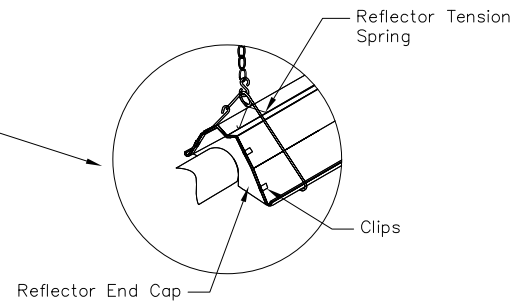
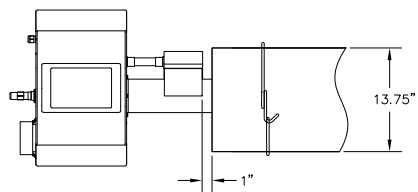
For a variety of hanging angles, use the Brass Knuckle (P/N: BK) fitting with a #1 double-loop chain and S-hook.

REVERBER-RAY DETROIT RADIANT PRODUCTS 21400 HOOVER RD WARREN, MI 48089		
DETAILS: HEATER HANGER DETAILS		
DRAWN BY: DRP	SCALE: NTS	PROJECT:
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Reflector Assembly

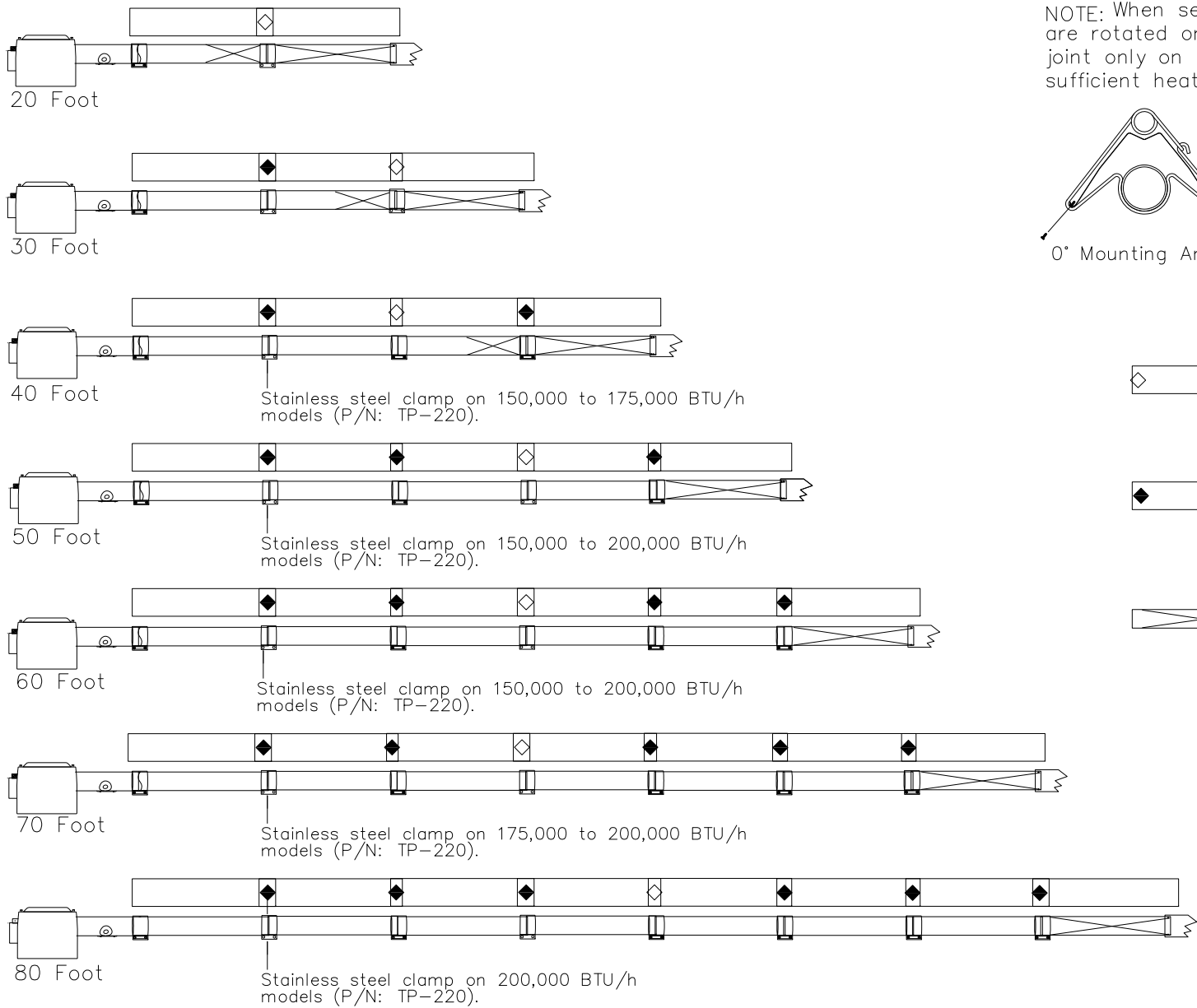


Width of Installed Reflector — Top View

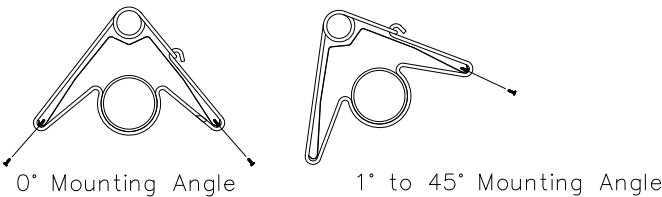


RE-VERBER-RAY DETROIT RADIANT PRODUCTS 21400 HOOVER RD WARREN, MI 48089		
DETAILS: V3 - REFLECTOR ASSEMBLY DETAILS		
DRAWN BY: DRP	SCALE: NTS	PROJECT:
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Final Heater Assembly
Tube Installation Sequence, Baffle Location and Secured Joints for Reflectors

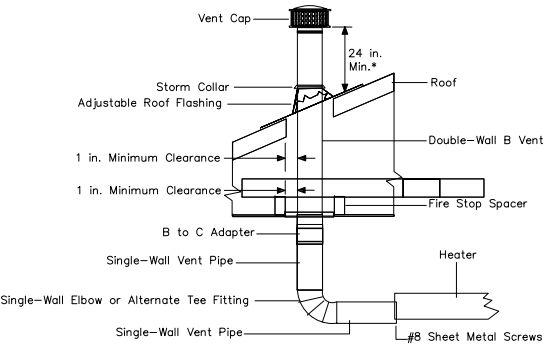


NOTE: When securing joints on reflectors which are rotated on an angle from horizontal, secure joint only on top side of reflector to allow for sufficient heater expansion and contraction.



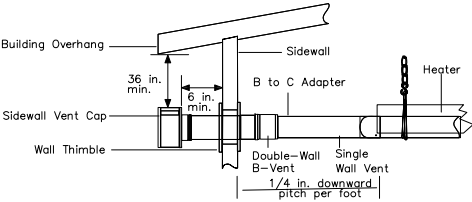
RE-VERBER-RAY DETROIT RADIANT PRODUCTS 21400 HOOVER RD WARREN, MI 48089		
DETAILS: V3 - FINAL HEATER ASSEMBLY DETAILS		
DRAWN BY: DRP	SCALE: NTS	PROJECT:
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General Vent Requirements

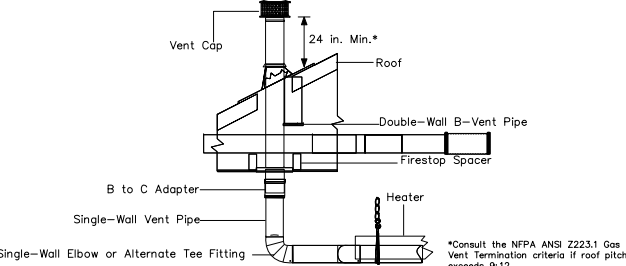


*Consult the NFPA ANSI Z223.1 Gas Vent Termination criteria if roof pitch exceeds 9:12

Sidewall Venting Requirements

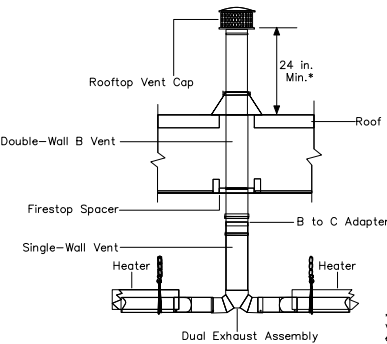


Rooftop Venting – Side View



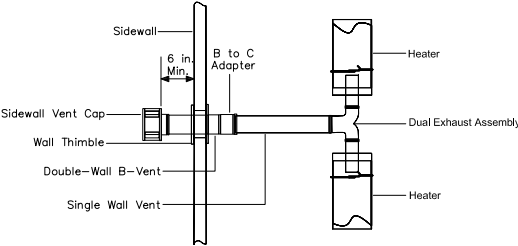
*Consult the NFPA ANSI Z223.1 Gas Vent Termination criteria if roof pitch exceeds 9:12.

Common Rooftop Venting – Side View



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

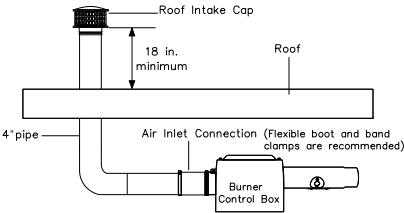
Common Sidewall Venting – Top View



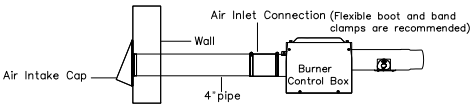
Unvented Operation



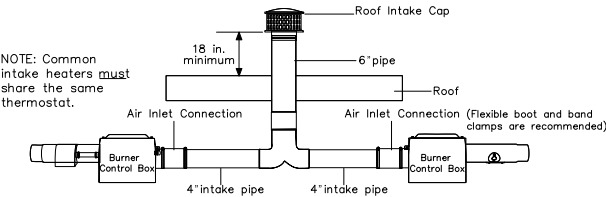
Vertical Outside Air Supply for Single Heater Intake – Side View



Horizontal Outside Air Supply for Single Heater Intake – Side View



Vertical Outside Air Supply for Common Intake – Side View



NOTE: Common intake heaters must share the same thermostat.

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

DETAILS:
V3 - VENTING AND AIR INTAKE DETAILS

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