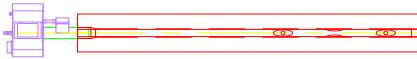


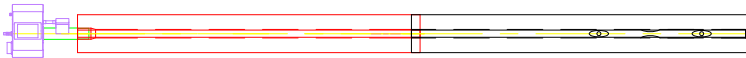
LS3 Series 10'



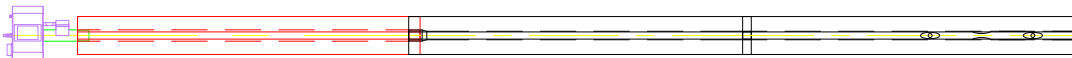
LS3 Series 15'



LS3 Series 20'

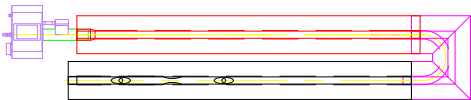


LS3 Series 30'



RE-VERBER-RAY DETROIT RADIANT PRODUCTS 21400 HOOVER RD WARREN, MI 48089		
DETAILS: LS3 SERIES BLOCKS - STRAIGHT CONFIGURATION		
DRAWN BY: DRP	SCALE: 1:1	PROJECT:
CHECKED BY:	DATE: AUG. 2024	DRAWING NO: 1

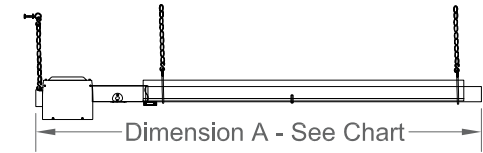
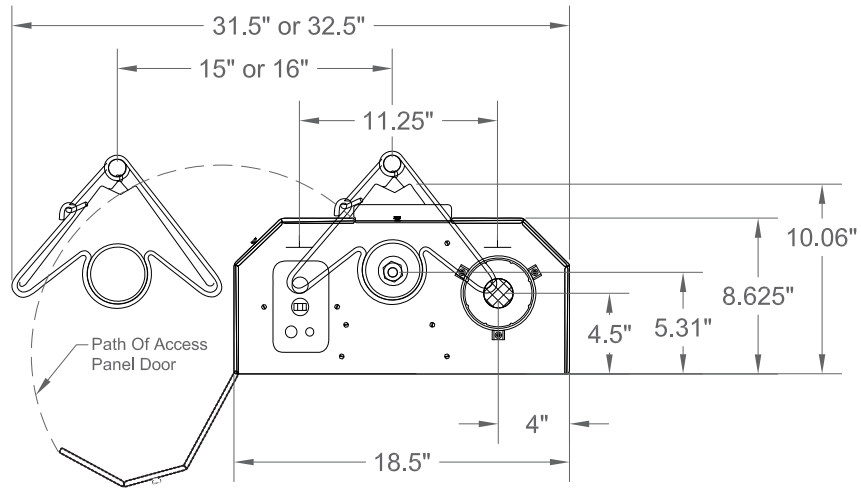
LS3 Series 20' "U"



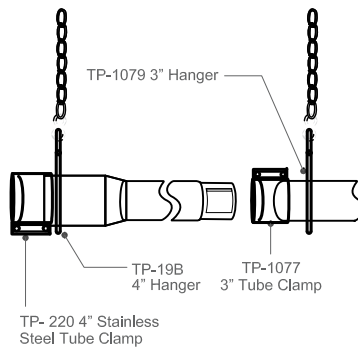
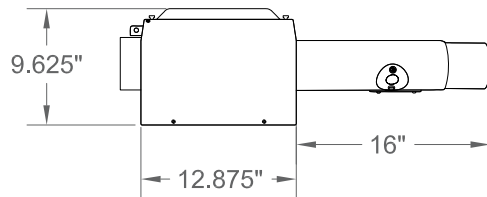
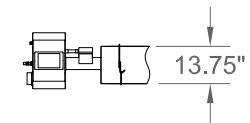
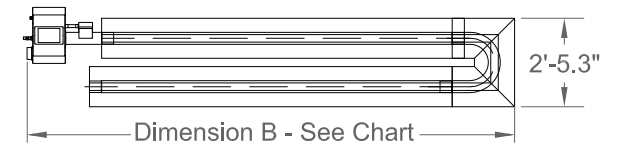
LS3 Series 30' "U"



RE-VERBER-RAY DETROIT RADIANT PRODUCTS 21400 HOOVER RD WARREN, MI 48089		
DETAILS: LS3 SERIES BLOCKS - "U" CONFIGURATION		
DRAWN BY: DRP	SCALE: 1:1	PROJECT:
CHECKED BY:	DATE: AUG. 2024	DRAWING NO: 1

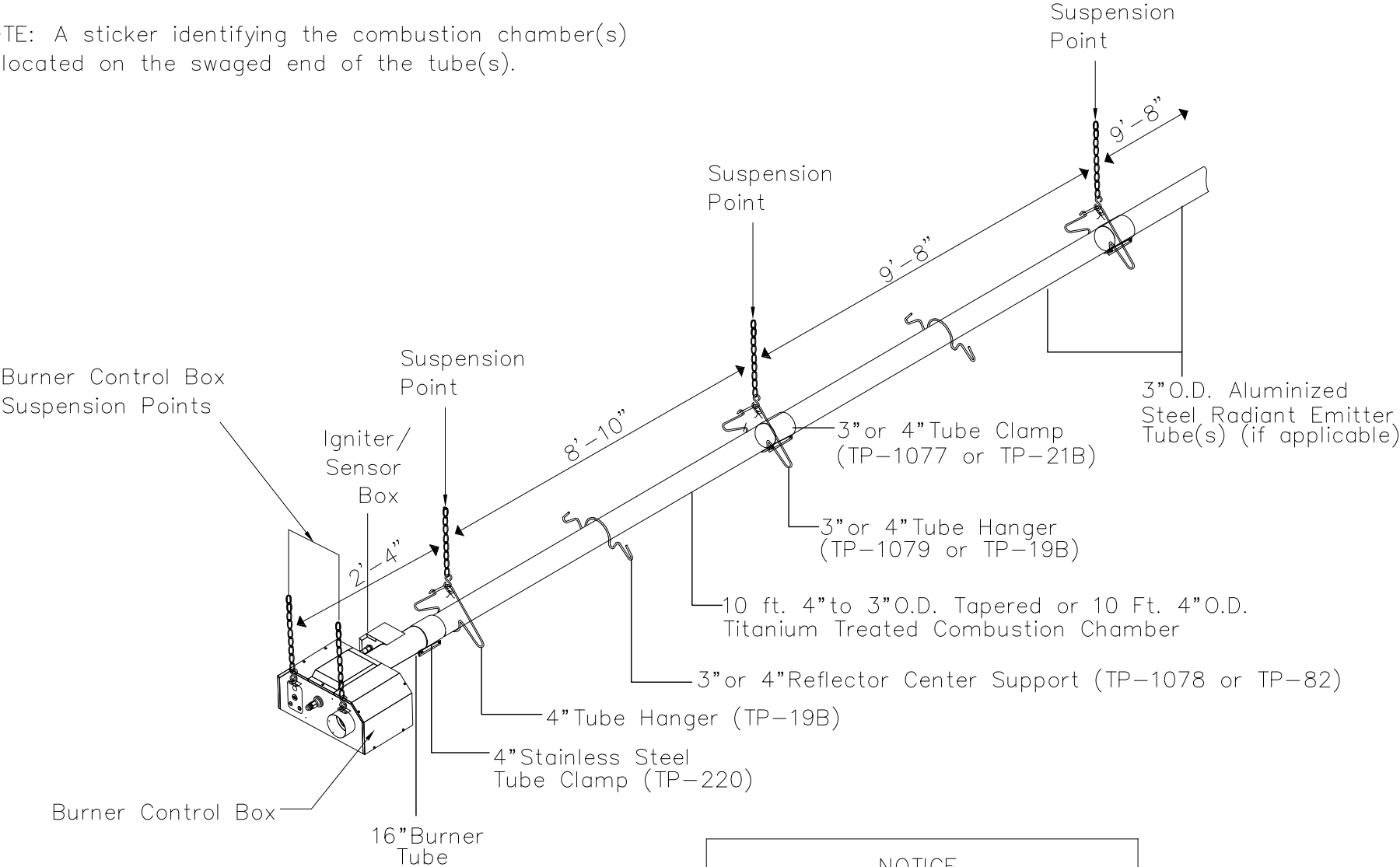


MODEL NUMBER	DIMENSION "A" STRAIGHT	DIMENSION "B" U-TUBE
LS3-10	12'-1"	-
LS3-15	16'-10"	-
LS3-20	21'-10"	13'
LS3-30	31'-7"	17'-8"



 DETROIT RADIANT PRODUCTS 21400 HOOVER RD WARREN, MI 48089		
DETAILS: LS3 SERIES - HEATER DIMENSIONAL DATA		
DRAWN BY:	SCALE:	PROJECT:
DRP	NTS	
CHECKED BY:	DATE:	DRAWING NO:
	AUG. 2024	1

NOTE: A sticker identifying the combustion chamber(s) is located on the swaged end of the tube(s).



NOTICE

The first 10 ft. tube will utilize 2 hangers spaced approximately 8'-10' apart. Each subsequent tube will utilize 1 hanger.

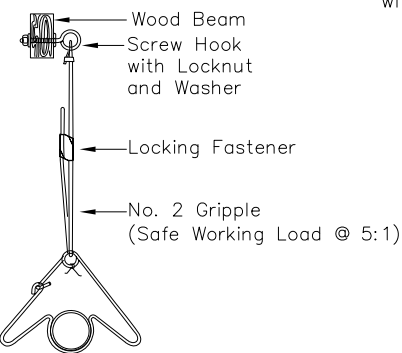
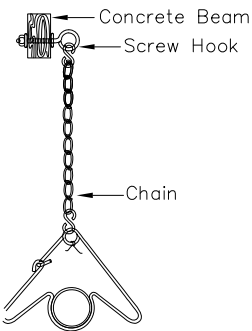
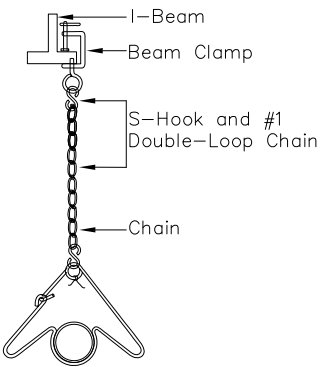
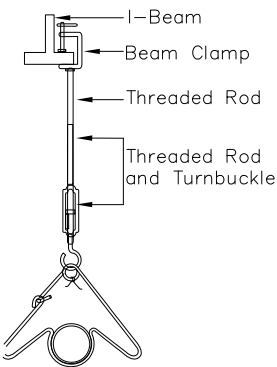


DETROIT RADIANT PRODUCTS
21400 HOOVER RD WARREN, MI 48089

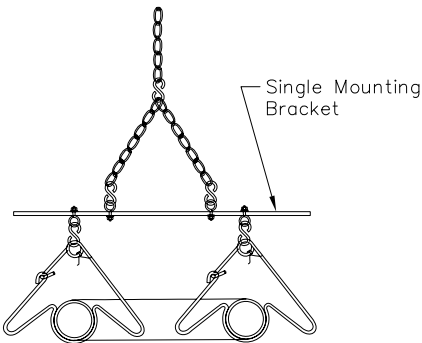
DETAILS:
LD3 / LS3 - HEATER MOUNTING LAYOUT DETAILS

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

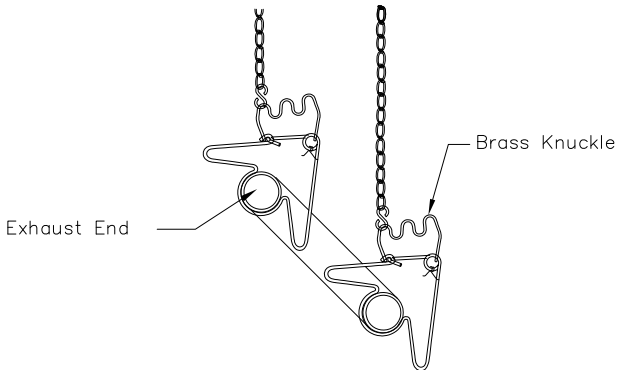
Mounting the Hangers



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.

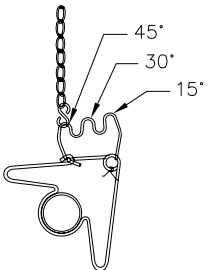


U-Tubes can be mounted at a 15°, 30°, or 45° angle with two suspension points, using two Brass Knuckle (P/N: BK) fittings, #1 double-loop chains and S-hooks.

Angled Hanger Mounting Options



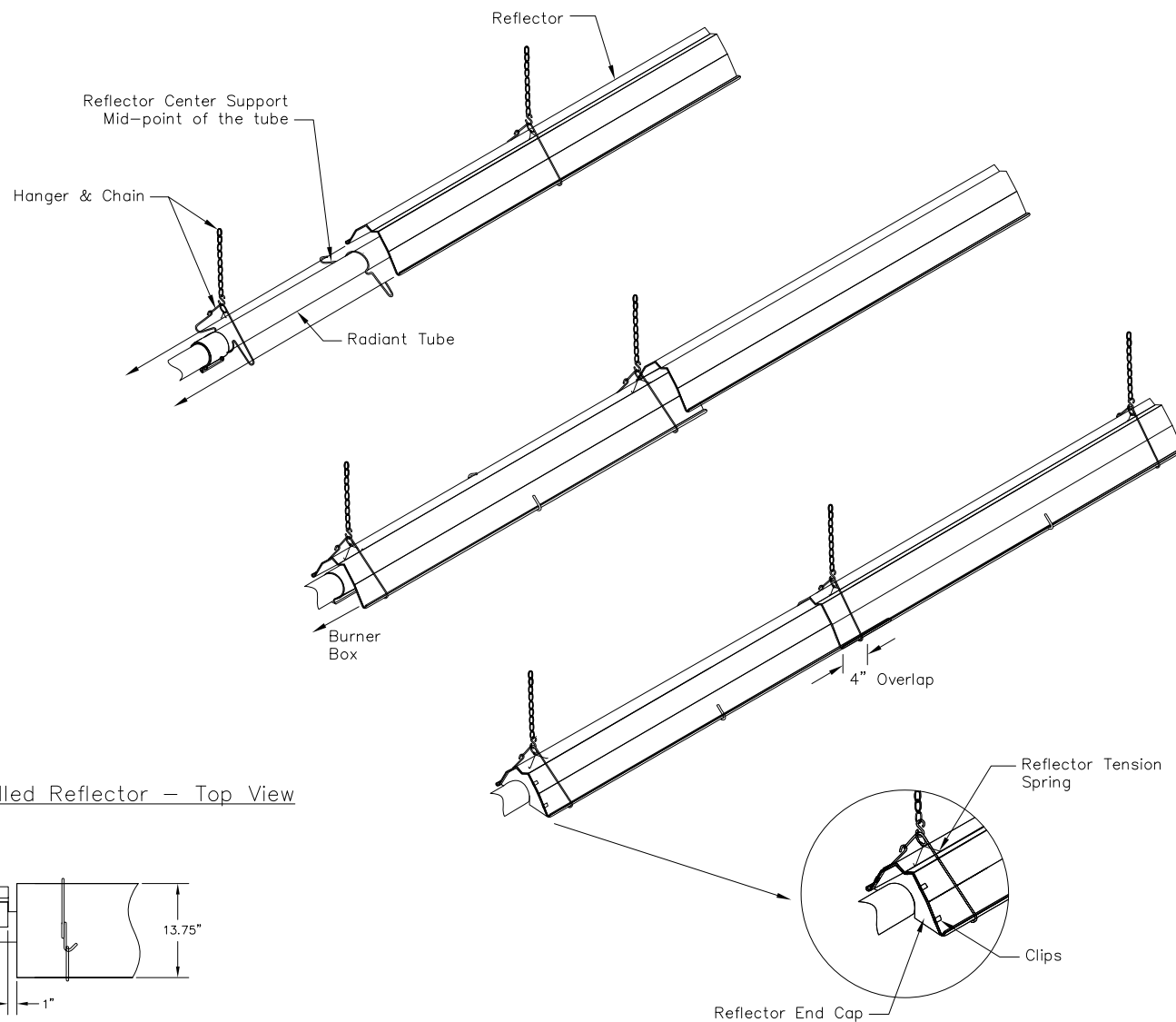
For 45° hanging angle, use two S-hooks and two #1 double-loop chains.



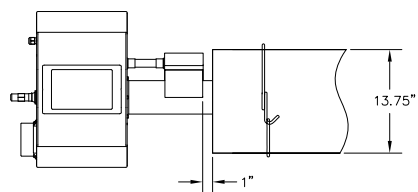
For a variety of hanging angles, use the Brass Knuckle (P/N: BK) fitting with a #1 double-loop chain and S-hook.

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

Reflector Assembly



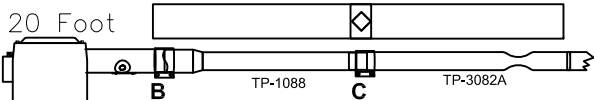
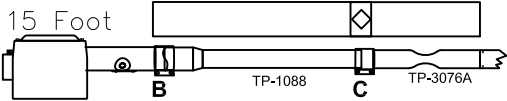
Width of Installed Reflector — Top View



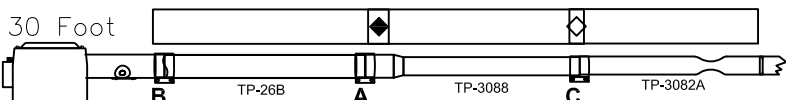
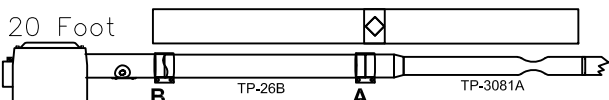
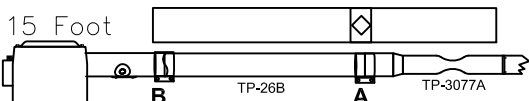
 DETROIT RADIANT PRODUCTS 21400 HOOVER RD WARREN, MI 48089		
DETAILS: V3 - REFLECTOR ASSEMBLY DETAILS		
DRAWN BY: DRP	SCALE: NTS	PROJECT:
CHECKED BY:	DATE: AUG. 2024	DRAWING NO: 1

Final Heater Assembly

40,000 BTU/h Models

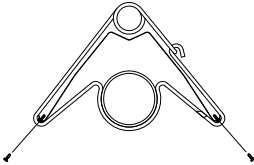


50,000 BTU/h Models

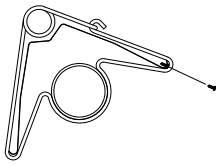


Key			
TP-26B	4" x 10' Titanium Stabilized Tube	TP-3088	4" to 3" x 10' Aluminized Tube
TP-1088	4" to 3" x 10' Titanium Stabilized Tube	TP-3188A	4" to 3" x 10' Titanium Tube w/ Dimples
TP-3076A	3" x 5' Aluminized Tube w/ Dimples	TP-21B	A 4" Tube Clamp
TP-3077A	4" to 3" x 5' Aluminized Tube w/ Dimples	TP-220	B 4" Stainless Steel Tube Clamp
TP-3081A	4" to 3" x 10' Aluminized Tube w/ Dimples	TP-1077	C 3" Tube Clamp
TP-3082A	3" x 10' Aluminized Tube w/ Dimples		

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.



0° Mounting Angle



1° to 45° Mounting Angle



Expansion Joint
on Reflectors



Secured Joint
on Reflectors
See note.



DETROIT RADIANT PRODUCTS
21400 HOOVER RD WARREN, MI 48089

DETAILS:

LD3 / LS3 - FINAL HEATER ASSEMBLY DETAILS

DRAWN BY:

DRP

SCALE:

NTS

PROJECT:

CHECKED BY:

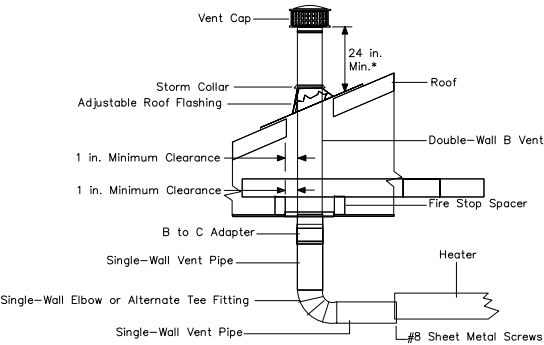
DATE:

AUG. 2024

DRAWING NO:

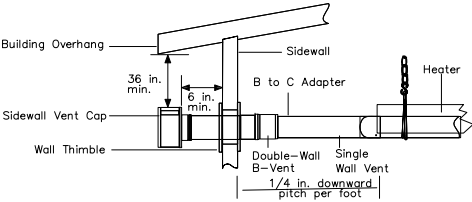
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General Vent Requirements

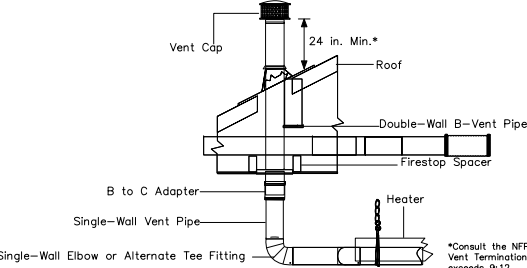


*Consult the NFPA ANSI Z223.1 Gas Vent Termination criteria if roof pitch exceeds 9:12

Sidewall Venting Requirements

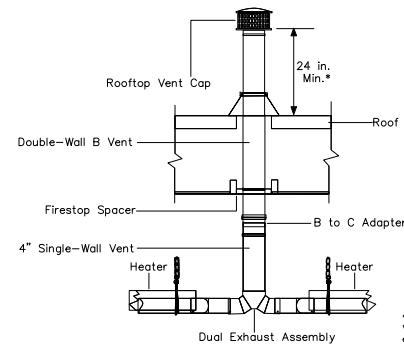


Rooftop Venting – Side View



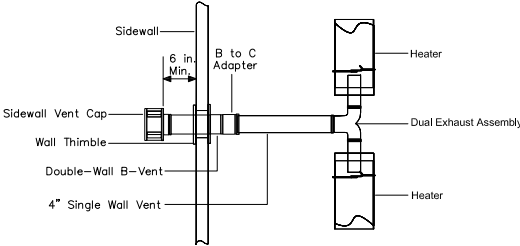
*Consult the NFPA ANSI Z223.1 Gas Vent Termination criteria if roof pitch exceeds 9:12.

Common Rooftop Venting – Side View



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

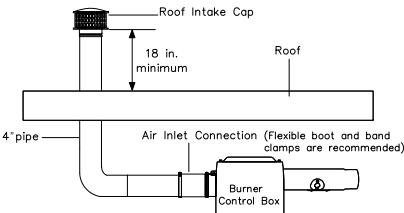
Common Sidewall Venting – Top View



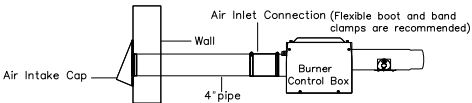
Unvented Operation



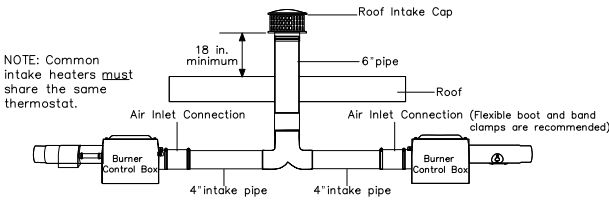
Vertical Outside Air Supply for Single Heater Intake – Side View



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.

REVERBER-RAY DETROIT RADIANT PRODUCTS
21400 HOOVER RD WARREN, MI 48089

DETAILS:
LD3 / LS3 - VENTING AND AIR INTAKE DETAILS

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