

Quality People. Building Solutions.

Comfort Systems USA (Arkansas), Inc.
P.O. Box 16620
Little Rock, AR 72231
Phone 501-834-3320
Fax 501-834-5416

Date: 4/2/2024

Return Request: 4/12/2024

Project: Stone Bank HQ - Chenal

Supplier: Harrison Energy Partners

Manufacturer: Indeeco

Submittal: Electric Unit Heater

Submittal Number: 23 00 00-05

Drawing # and Installation: Mechanical Drawings

ARCHITECT

WDD Architects
5050 Northshore Lane
N. Little Rock, AR 72118
501-376-6681

ENGINEER

Batson Inc.
1300 Brookwood Dr.
Little Rock, AR 72202
501-664-3311

GENERAL CONTRACTOR

East Harding
2230 Cottondale Lane #3
Little Rock, AR 72202
501-661-1646

MECHANICAL SUBCONTRACTOR

Comfort Systems USA (Arkansas), Inc.
9924 Landers Rd.
N. Little Rock, AR 72117
501-834-3320

Notes:

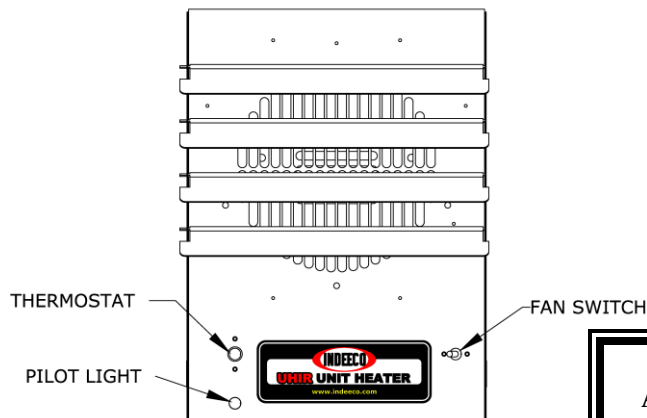
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dpierce@comfortar.com



9924 Landers Rd.
No. Little Rock, AR 72117

OPTION LOCATOR



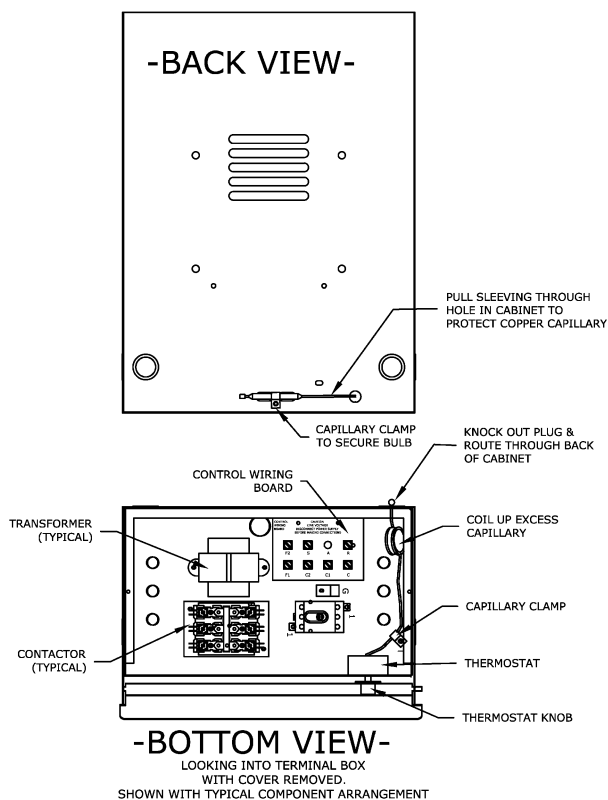
INSTALLATION INSTRUCTIONS- BUILT ON ROOM THERMOSTAT ACCESSORY KITS UHIR Series Electric Unit Heater

WARNING

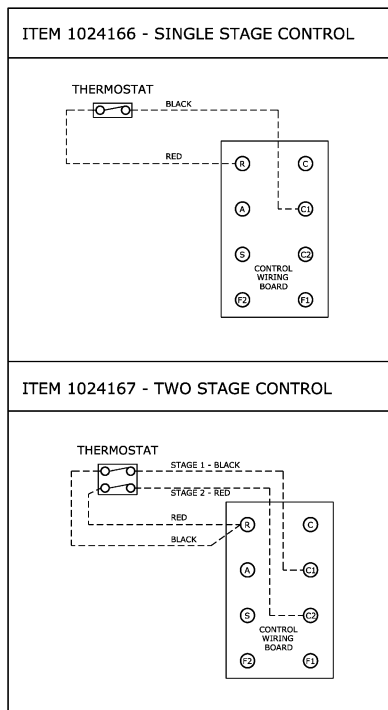
Accessory kit installations should be performed by a qualified electrician. Risk of electric shock. Disconnect all power supplies before working on equipment.

Kit Item	Stages	Electrical Rating	For Use With Heater Model Numbers
1024166	1	25A @ 240V, 22A @ 277V, 125 VA Pilot Duty	All UHIR heaters without option code 'X'
1024167	2		All UHIR heaters with option code 'X'

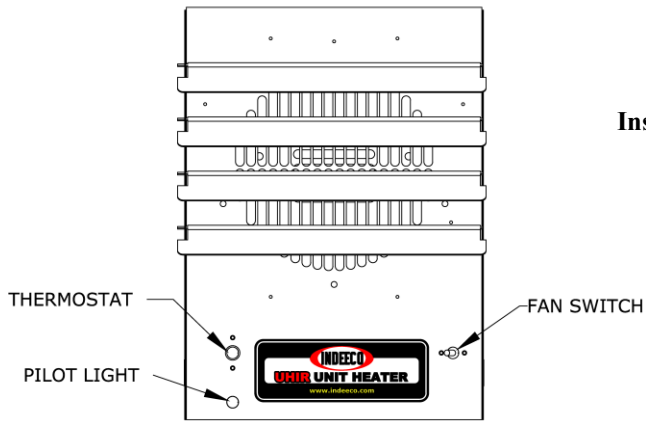
1. Remove 1/2" single knockout located in front face of cabinet. Reference the figure above for location.
2. Install thermostat body onto the inside surface of the cabinet front face with the shaft extending through the hole created in step (1). Orient thermostat so that the capillary points towards the component mounting subpanel. Install using the two supplied machine screws.
3. Pull capillary directly down from thermostat body and clamp to component mounting subpanel by screwing the supplied clip into the mounting hole marked 'T'.
4. Remove the 1/2" single knockout located in the back face of the cabinet. Reference the figure below for location.
5. Route the capillary and thermostat bulb through the 1/2" hole created in step (4) and secure the bulb to the external surface of the back of the heater cabinet using the supplied clip as shown below. Coil any excess capillary inside the heater wiring compartment.
6. Install the thermostat lead wires to the screws on the control wiring board per the diagram below and torque screws to 12 in-lb (1.4 Nm).
7. Install the "Warmer" knob onto the thermostat shaft.



WIRING DETAILS



OPTION LOCATOR



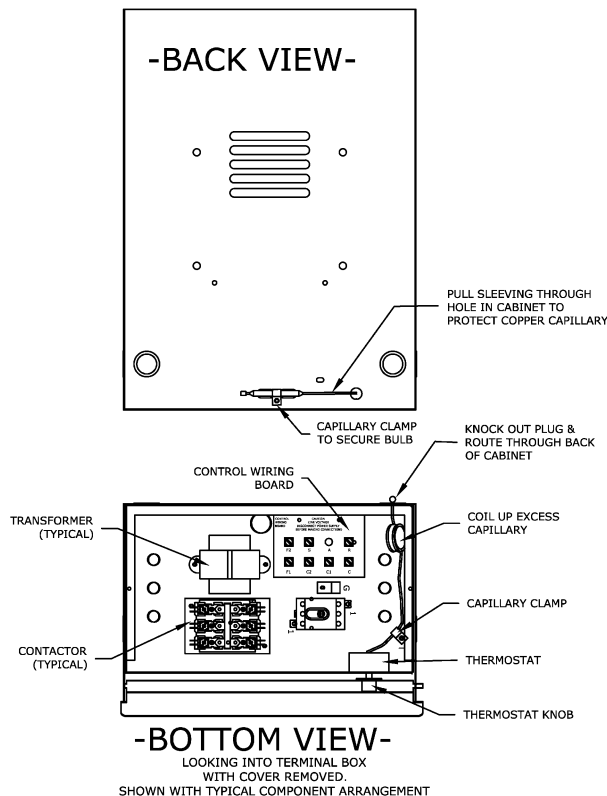
Instructions d'installation pour les accessoires des thermostats d'ambiance supplémentaires appareils de chauffage série UHIR

AVERTISSEMENT

Les installations des accessoires doivent être exécutées que par des électriciens qualifiés. Danger de choc électrique. Débranchez toutes lignes d'alimentation électrique avant de modifier l'équipement

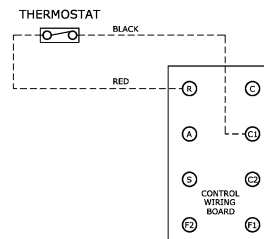
Article du nécessaire	étape	ampères	Pour usage avec les appareils de chauffage avec les numéros de modèle
1024166	1	25A @ 240V, 22A @ 277V,	Tous appareils de chauffage UHIR sans code d'option "X"
1024167	2	125 VA Pilot Duty	Tous appareils de chauffage UHIR avec code d'option "X"

1. Enlevez le l'unique 1/2" disque défonçable qui se trouve dans le panneau front du cabinet. Consultez l'illustration ci-dessus pour l'emplacement.
2. Montez le corps du thermostat sur l'intérieur du panneau front du cabinet ainsi que l'arbre avance par le trou créé en étape (1). Tournez le thermostat ainsi que le tube capillaire soit dirigé vers le tableau secondaire de montage des composants. Montez-le en utilisant les deux vis de mécanique incluses.
3. Tirez le tube capillaire directement en bas du corps du thermostat et attachez le au tableau secondaire de montage de composants en serrant le collier d'attache dans le trou de montage marqué "T".
4. Enlevez le l'unique 1/2" disque défonçable qui se trouve dans le panneau front du cabinet. Consultez l'illustration ci-dessous pour l'emplacement
5. Enfillez le tube capillaire et la poire du thermostat par le trou à 1/2 in. créé dans étape (4). Attachez fermement la poire au surface extérieur du derrière du cabinet de l'appareil de chauffage en utilisant le collier d'attache inclu comme illustré ci-dessous. Roulez tout excès de tube capillaire dans l'intérieur de la boîte de câblage de l'appareil de chauffage.
6. Attachez les fils électriques alimentaires du thermostat aux vis au tableau de connexions de controle comme illustré ci-dessous et serrez les à 12 in-lb (1.4 Nm).
7. Montez le bouton "Warmer" (plus chaud) sur l'arbre du thermostat.

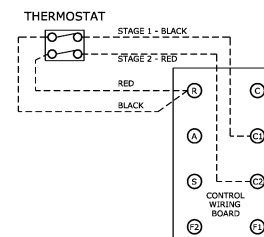


WIRING DETAILS

ITEM 1024166 - SINGLE STAGE CONTROL



ITEM 1024167 - TWO STAGE CONTROL



UHIR Unit Heater

Installation Instructions

Combination Wall/Ceiling Mounting Kit & Optional Dust Shield

These instructions are meant to supplement the main installation, operating and maintenance instructions supplied with the UHIR unit heater. Do not attempt to install the heater before reading the main instructions. The dust shield is an optional component that may be used with horizontal discharge heaters.

WARNING

Serious injury or unsafe operating conditions could result from not following these instructions. Ensure that the mounting surface is of sufficient strength to support the weight of the heater.

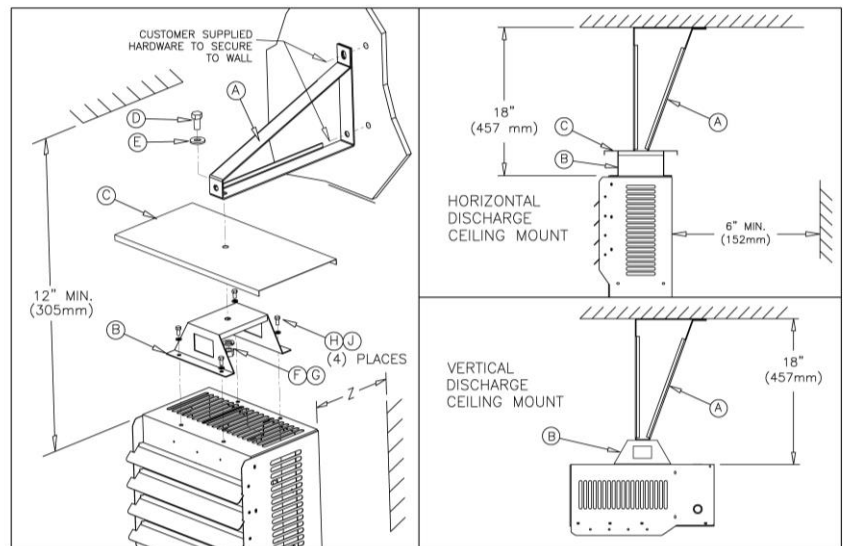
Cabinet Size	Mounting Kit Item	Mtg Kit Weight Lb. (kg)	Dust Shield Item	Dust Shield Weight Lb. (kg)	Clearances	
					X WALL TO SIDE OF HTR	Z WALL TO BACK OF HTR
1	1024149	3 (1.4)	1023941	2 (0.9)	8 in (203mm)	11.188 in (284mm)
2					6 in (152mm)	9.313 in (237mm)
3	1024150	3.7 (1.7)	1024059	3 (1.4)	6 in (152mm)	9.313 in (237mm)
4	1024151	9 (4.1)	1024060	4 (1.8)	9.281 in (236mm)	14.937 in (380mm)

Cabinet Sizes 1, 2 & 3

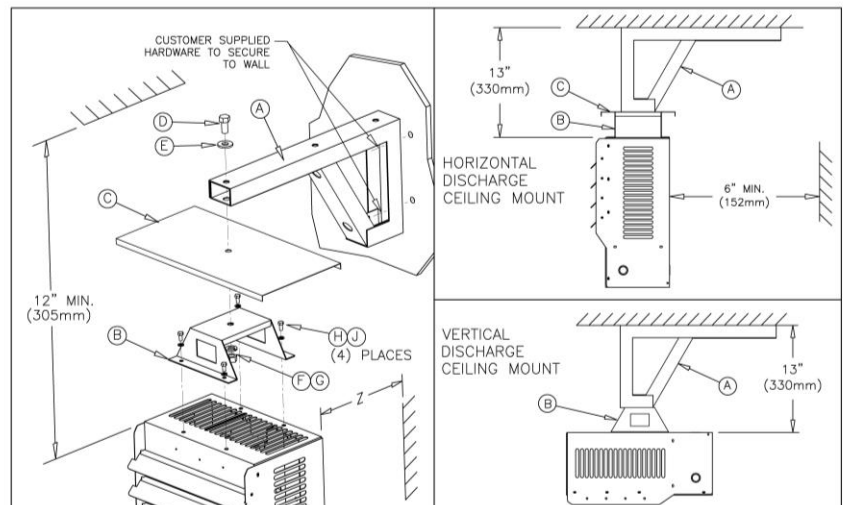
1. Locate the position of the cantilever arm (A) and mark the mounting hole locations in either the wall or the ceiling. Reference the UHIR owners' manual for heater dimensions and weights.
2. Mount the cantilever arm (A) to the wall or ceiling using bolts with a minimum diameter of 3/8" (9.5mm). A heavy flat washer should be used between the bolt head and cantilever arm surface. Use a screw or bolt suitable to the mounting surface. This hardware is not supplied with the mounting kit or heater. Tighten the hardware securely.

3. Horizontal Discharge: Remove the four threaded bolts (H) and lockwashers (J) located in the top of the heater and save. Do not remove any bolts or hardware located in the back of the heater case.
Vertical Discharge: Remove the four threaded bolts (H) and lockwashers (J) located in the back of the heater and save. Do not remove any bolts or hardware located in the top of the heater case.

4. Secure the hanging bracket (B) to the heater cabinet using the bolts (H) and lockwashers (J) saved from step 3.
5. Carefully raise the heater into position below the cantilever arm (A). Attach the heater (and optional dust shield (C) if applicable) to the cantilever arm (A) at the center hole in the hanging bracket (B) as shown using one 1/2-13" bolt (D), one 1/2" flat washer (E), one 1/2" split lockwasher (F), and one 1/2-13 nut (G), supplied with this kit



Cabinet Size 4



425 Hanley Industrial Court
St. Louis, MO 63144
314-644-4300
www.indeeco.com
sales@indeeco.com

Instructions d'installation pour des appareils de chauffage UHIR

Nécessaire combiné d'installation au mur ou au plafond et écran de protection de poussière optionnel

Voici des instructions supplémentaires à l'installation principale et aux instructions de l'opération et entretien fournies avec le UHIR appareil de chauffage. Ne pas tenter d'installer l'appareil sans avoir lu les instructions principales. L'écran de protection de poussière est un élément optionnel qui peut être utilisé avec des appareils de chauffage avec échappement horizontal.

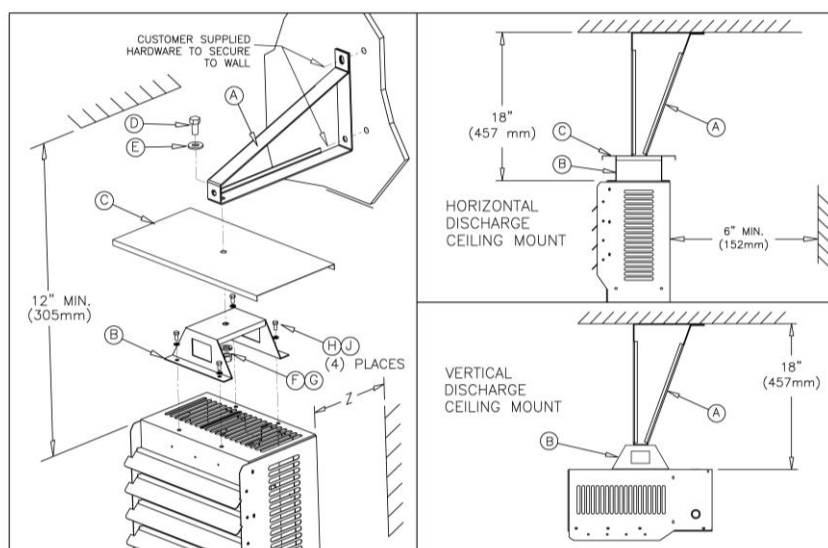
AVERTISSEMENT

Ne pas suivre ces instructions peut causer des blessures sérieuses et aussi des conditions dangereuses d'opération. Faites certain que la surface de l'installation soit suffisamment solide pour supporter le poids de l'appareil de chauffage.

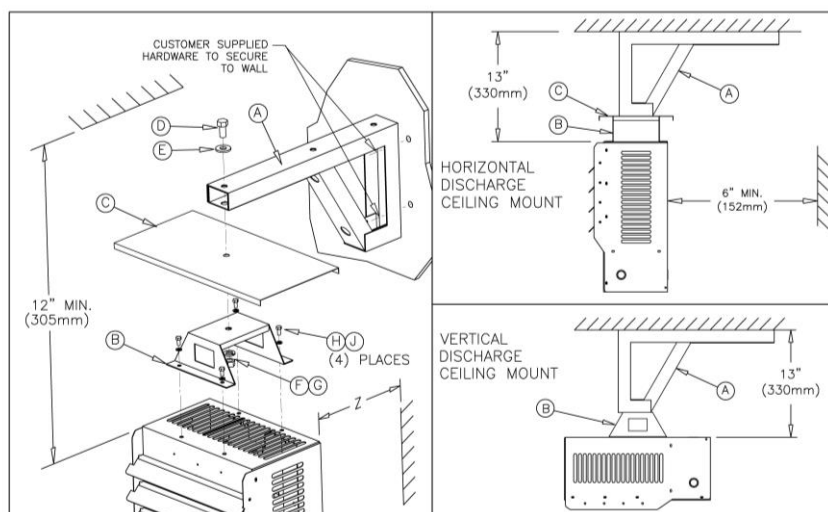
- Déterminez la position pour le cantilever (A) et marquez les trous d'installation dans le mur ou dans le plafond. Consultez le manuel de propriétaire pour les dimensions et le poids de l'appareil de chauffage.
- Installez le cantilever au mur ou au plafond en utilisant des boulons avec un diamètre minimum de 3/8" (9.5 mm). Il faut utiliser une grosse rondelle plate entre la tête du boulon et la surface du cantilever. Utilisez des boulons ou des vis adéquats au surface de l'installation. Cette quincaillerie n'est pas fournie ni avec le nécessaire d'installation ni avec l'appareil de chauffage.
- Echappement horizontal: Ôtez et gardez les quatre boulons filetés (H) et les rondelles frein (J) au dessus de l'appareil de chauffage. Ne pas ôter nul boulon ou autre quincaillerie à l'arrière du cabinet de l'appareil de chauffage. Echappement vertical: Ôtez et gardez les quatre boulons filetés (H) et les rondelles frein (J) à l'arrière de l'appareil de chauffage. Ne pas ôter nul boulon ni nulle quincaillerie du dessus du cabinet de l'appareil.
- Attachez le gousset (B) au cabinet de l'appareil de chauffage utilisant les boulons (H) et les rondelles frein gardés en étape 3.
- Prenez soin en soulevant l'appareil de chauffage en position sous le cantilever (A). Attachez l'appareil de chauffage (et l'écran de protection contre la poussière optionnel (C) au trou centre du gousset (B) comme illustré en utilisant un boulon 1/2-13" (D) une rondelle plate à 1/2" (E) une rondelle frein (F) et un écrou 1/2-13" (G) inclus dans ce nécessaire.

Taille du Cabinet	Nécessaire d'installation Item	Poids du nécessaire d'installation Lb. (kg)	Écran poussière Item	Poids de l'écran poussière Lb. (kg)	Les jeux	
					X Du mur au côté de l'appareil	Z Du mur au derrière de l'appareil
1	1024149	3 (1.4)	1023941	2 (0.9)	8 in (203mm)	11.188 in (284mm)
2					6 in (152mm)	9.313 in (237mm)
3	1024150	3.7 (1.7)	1024059	3 (1.4)	6 in (152mm)	9.313 in (237mm)
4	1024151	9 (4.1)	1024060	4 (1.8)	9.281 in (236mm)	14.937 in (380mm)

Cabinet Tailles 1, 2 et 3



Taille du Cabinet 4



INDEECO®

425 Hanley Industrial Court
St. Louis, MO 63144
314-644-4300
www.indeeco.com
sales@indeeco.com

ENM-2071-01 / 24-2236-83-3EF



LETTER OF TRANSMITTAL

TO: East Harding Construction

DATE: April 4, 2024

RE: Stone Bank

JOB NO.: 23-057

ATTN: Jake Honeycutt, Jack Whitley,
Kim Brass

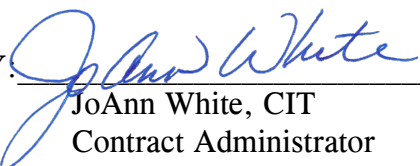
COPIES	DATE	NO.	DESCRIPTION
1 Emailed	04/03/24	23 00 06-100	<i>Electric Unit Heater</i>

THESE ARE TRANSMITTED:

☐ For Approval ☐ As Requested ☐ Reviewed for General Compliance ☐ Resubmit ___ copies for approval
☐ For Your Use ☐ For Review and Comment ☒ Reviewed and Noted ☐ Submit ___ copies for distribution
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REMARKS:

COPY TO: Job File

BY: 
JoAnn White, CIT
Contract Administrator

Distribution Summary

Distributed on by

To:

Message:

Additional Attachments:

NAME	RESPONSE	ATTACHMENTS	COMMENT
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23.038 230006 100 Elec Unit Heater

SPEC SECTION:		CREATED BY:	
STATUS:	Open	DATE CREATED:	04/03/2024
ISSUE DATE:	04/03/2024	REVISION:	0
RESPONSIBLE CONTRACTOR:	Comfort Systems USA (Arkansas), Inc.	RECEIVED FROM:	Daniel Pierce
RECEIVED DATE:	//	SUBMIT BY:	//
FINAL DUE DATE:	05/05/2024	LOCATION:	
TYPE:	Product Information	COST CODE:	
APPROVERS:	Jake Honeycutt (East-Harding, Inc.), Jack Whitley (East-Harding, Inc.), JoAnn White (Wittenberg, Delony & Davidson, Inc.)		
Project: 23.038:			
Architect's Project: 23-057:			
BALL IN COURT:	Daniel Pierce (Comfort Systems USA (Arkansas), Inc.)		
DISTRIBUTION:	Jack Whitley (East-Harding, Inc.) , Jake Honeycutt (East-Harding, Inc.) , Jon Isham (East-Harding, Inc.) , Kim Brass (East-Harding, Inc.)		
DESCRIPTION:			
ATTACHMENTS:			

SUBMITTAL WORKFLOW

#	NAME	SUBMITTER/ APPROVER	SENT DATE	DUE DATE	RETURNED DATE	RESPONSE	ATTACHMENTS	COMMENTS
1	Daniel Pierce	Submitter		4/17/2024		Pending		
2	Jake Honeycutt	Approver		4/19/2024		Pending		
3	Jack Whitley	Approver		4/21/2024		Pending		
4	JoAnn White	Approver		5/5/2024		Pending		

BY

DATE

COPIES TO



Submittal

Prepared For:
Batson

Date:
03/14/2024

Sold To:
CSUSA

Job Name:
Stone Bank Headquarters Renovations

Harrison Energy Partners is pleased to provide the enclosed submittal for your review and approval.

Qty. Product Summary

1 Electric Unit Heater (EUH-1)

Bill Simpson, New Systems Sales
p. 501.661.0621 • m. 501.539.0578
f. 501.661.9109 • harrisonenergy.com
Harrison Energy Partners • Commercial HVAC Excellence
1501 Westpark Dr., Ste. 9 • Little Rock, AR 72204

The attached information describes the equipment we propose to furnish for this project, and is submitted for your approval.

Electric Unit Heater

- 277/1 V/Ph
- Disconnect Switch
- Wall-Mounting Bracket
- Low Voltage Thermostat



Submittals

Quote #: 424041

Job Name: Stone Bank Headquarter Renovation

Sales Rep: Harrison Energy Partners
1501 Westpark Drive Ste 9
Little Rock, AR, 72204
P: 501-661-0621
F: 201-661-9109

Sales Person: Attn: Muhammad, Tufail
P: 501-661-0621 Ext:
F: 501-661-9109
E: TMuhammad@harrisonenergy.com

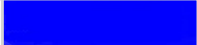
Line	Qty	Part #	Description	Factory Options
1	1	240-U1033N-DR1	UHIR - [240] Unit Heater 3.3 kW , 277 v, 1 phase, 12.2amps, AF cfm(cmh) 350 (194), Air throw ft(m) 15 (4.57), Ctrl. v. 277 [Availability Code - AS] Tag: EUH-1	[D] Power disconnect switch for up to 24 Amps [R1] Built-in 24V transformer and contactor for 3 to 5 KW, single phase heaters.
2	1	1024149	Universal wall & ceiling mounting bracket up to 10 KW [Availability Code - AS] Tag: EUH-1	
3	1	1006998	Low Voltage Remote Thermostat – White – Single-Stage - Bimetal [Availability Code - AS] Tag: EUH-1	

Catalog Number: 240-U1033N-DR1

Description: UHIR - [240] Unit Heater 3.3 kW , 277 v, 1 phase, 12.2amps, AF cfm(cmh) 350 (194), Air throw ft(m) 15 (4.57), Ctrl. v. 277



Color: Camel

X		Camel
		Grey (Additional Charge)
		Yellow (Additional Charge)
		Red (Additional Charge)
		White (Additional Charge)
		Blue (Additional Charge)
		Galvanized (unpainted)
		Beige

Job Name: Stone Bank Headquarter Renovation

Quote #	Line #	Qty	Tag
424041	1	1	EUH-1

Selected Factory Installed Options:

Option Code	Description	Group
D	Power disconnect switch for up to 24 Amps	
R1	Built-in 24V transformer and contactor for 3 to 5 KW, single phase heaters.	

Selected Field and Thermostat Options:

Line #	Qty	Catalog Number	Description	Tag
2	1	1024149	Universal wall & ceiling mounting bracket up to 10 KW	EUH-1
3	1	1006998	Low Voltage Remote Thermostat – White – Single-Stage - Bimetal	EUH-1

Architect's and Engineer's Specifications



Check off options which you require. Standard built-in controls have already been checked off.

- ☒ 1) Electric Commercial Unit Heaters shall be manufactured by INDEECO, with controls built-in and factory pre-wired as shown below. Heater is to be a forced fan type, UL Listed, of the KW rating, voltage and phase specified in the schedule.
- ☒ 2) Finned tubular heating elements shall have steel type fins copper brazed to a 0.475" diameter steel sheath epoxy sealed for moisture resistance.
- ☒ 3) Provide the following standard built-in controls:
 - ☒ Automatic reset thermal cutout for primary over-temperature protection and a secondary manual reset cutout shall be provided on heaters 20 KW and above.
 - ☒ 24 VAC transformer and disconnecting magnetic contactor.*
 - ☒ Fan delay to eliminate cold drafts when fan starts up, and dissipate stored element heat before fan shuts down
 - ☒ Fan motor is permanently lubricated and thermally protected.
 - ☒ Built-in power fusing for heater loads over 48 amps.
- ☒ 4) Cabinet shall be heavy gauge steel protected from corrosion by either a galvanized coating or a durable baked on polyester powder coat finish.
- ☒ 5) Outlet grille shall have individually adjustable directional louvers, an Anemostat (cone) diffuser or radial diffuser. In addition, an outlet protective grille shall prevent debris from reaching the element compartment. Inlet grille shall comply with OSHA requirements for a fan blade guard.
- ☒ 6) Single point, line voltage connection for incoming power enables heater, fan and controls to be connected to the same branch circuit.

* Note: For single-phase heaters rated up to 5 KW no contactor and transformer are required when controlled by a load-carrying thermostat. Contactor and transformer are required when used with a remote fan switch, INDEECO supplied remote thermostat, 24 volt control and heater on pilot light.

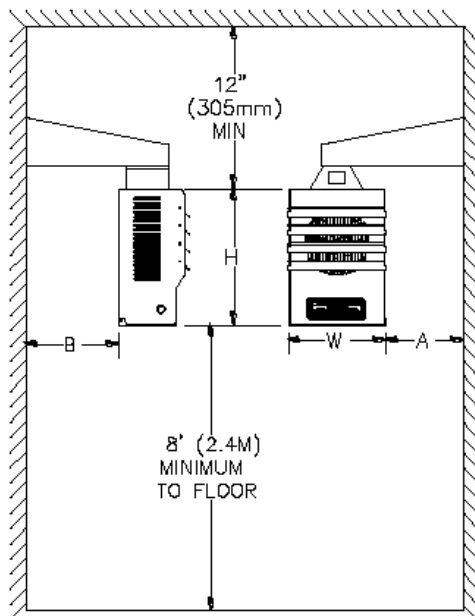


Fig. 1 Horizontal Wall Mounting

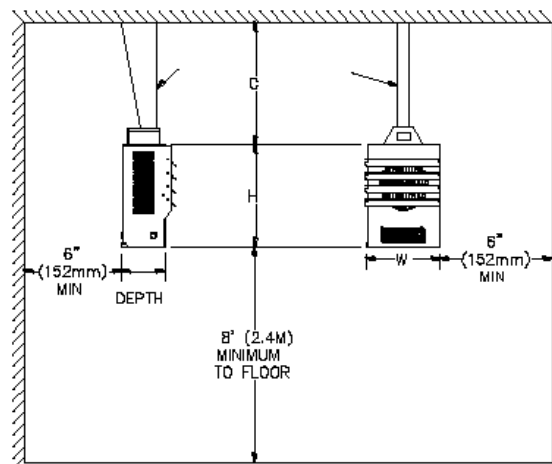


Fig. 2 Horizontal Ceiling Mount with Mounting Arm

UHIR - [240] Unit Heater

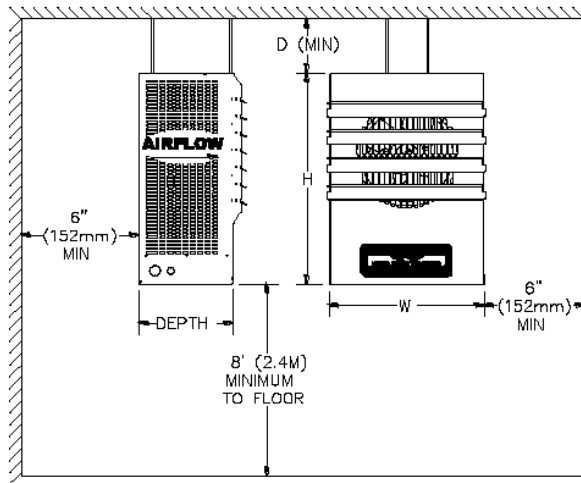


Fig. 3 Using Threaded Rod

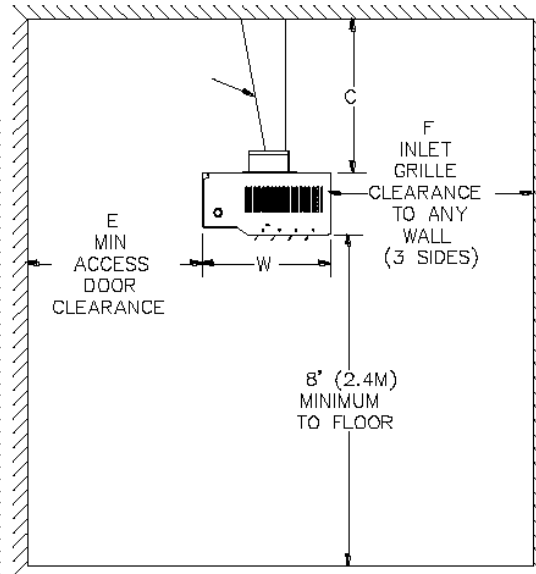


Fig. 4 Vertical Ceiling Mount with Mounting Arm

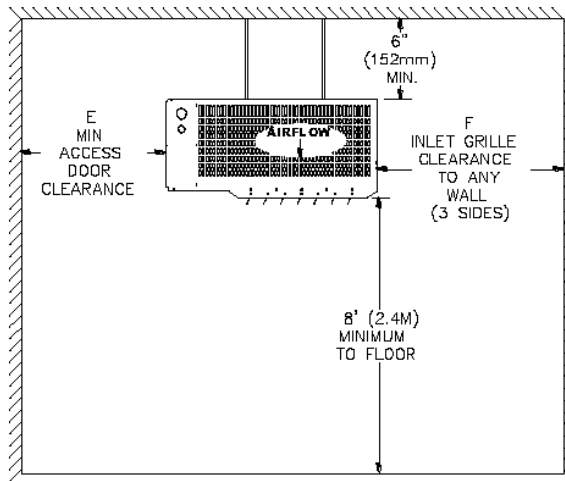


Fig. 5 Using Threaded Rod

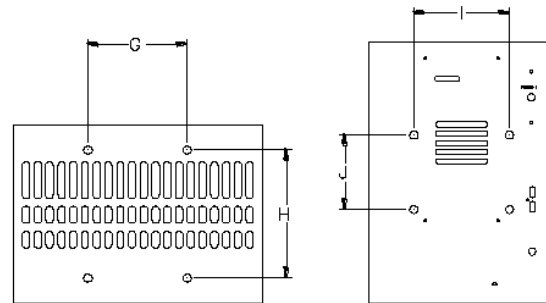


Fig. 6 3/8-16 Threaded Rod Attachment with Threaded Rod

Heater Dimensions

KW	W In. (mm)	H In. (mm)	Depth In. (mm)	A In. (mm)	B In. (mm)	C In. (mm)	D In. (mm)	E In. (mm)	F In. (mm)	G In. (mm)	H In. (mm)	I In. (mm)	J In. (mm)
up to 5	12.875 (327)	17.750 (450)	7.625 (194)	8 (203)	11.188 (284)	18 (457)	10 (254)	8 (203)	16 (406)	5 (127)	6.44 (164)	6.44 (164)	5 (127)
5.1 to 10	16.875 (429)	24.250 (616)	7.625 (194)	6 (152)	9.313 (237)	18 (457)	10 (254)	8 (203)	16 (406)	5 (127)	6.44 (164)	6.44 (164)	5 (127)
10.1 to 20	16.875 (429)	24.250 (616)	11.375 (289)	6 (152)	9.313 (237)	18 (457)	12 (305)	12 (305)	32 (813)	5 (127)	10.13 (257)	5 (127)	10.13 (257)
20.1 to 50	26.937 (684)	35.500 (902)	15.625 (397)	9.281 (236)	14.937 (380)	13 (330)	12 (305)	16 (406)	32 (813)	7 (178)	12.92 (328)	7 (178)	12.92 (328)

Small rooms may only require one unit heater (FIG #7) while other may require multiple unit heaters for proper perimeter circulation (FIG #8).

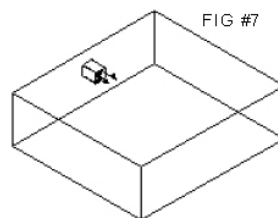


FIG #7

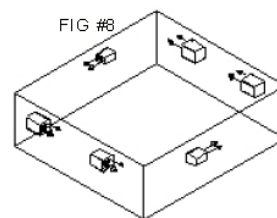
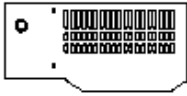
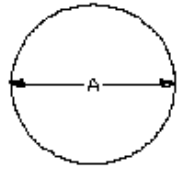
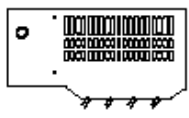
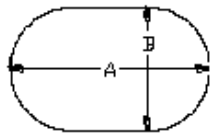
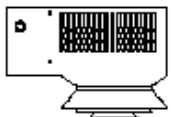
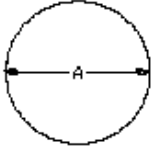
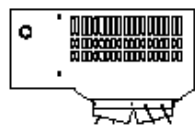
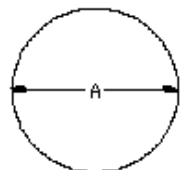


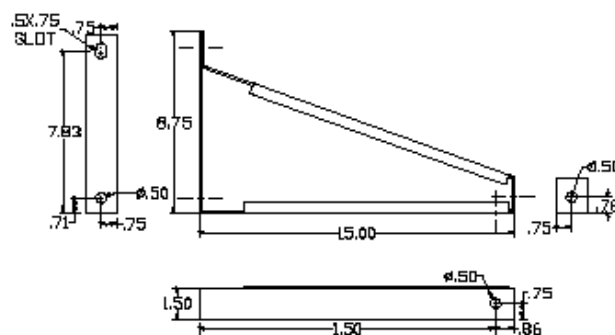
FIG #8

UHIR - [240] Unit Heater

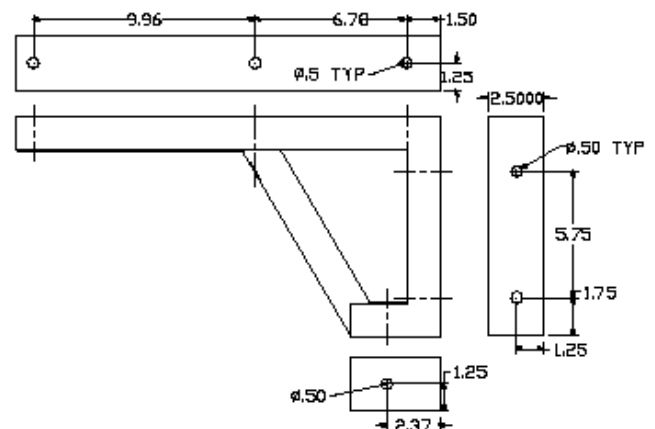
UHIR Vertical Mounting Air Pattern Table

Description	Used On	Max Mtg. Height ft (m)	A ft (m)	B ft (m)	Diffuser Pattern
WITHOUT DIFFUSER For a straight downward air pattern, directional louvers can be removed in order to maximize airflow.	up to 5 KW	10 (3.0)	17 (5.2)	—	 
	over 5 KW up to 10	15 (4.6)	28 (8.5)	—	
	over 10 KW up to 20	20 (6.1)	38 (11.6)	—	
	over 20 KW up to 50	25 (7.6)	68 (20.7)	—	
DIRECTIONAL LOUVERS (standard) Provides a directional (straight line) airflow which results in a rectangular air pattern. Louvers can be adjusted through a 35 degree range of motion.	up to 5 KW	10 (3.0)	22 (6.7)	12 (3.7)	 
	over 5 KW up to 10	15 (4.6)	40 (12.2)	20 (6.1)	
	over 10 KW up to 20	20 (6.1)	53 (16.2)	27 (8.2)	
	over 20 KW up to 50	25 (7.6)	85 (25.9)	45 (13.7)	
ANEMOSTAT DIFFUSER Ideal for low mounting heights. Fabricated using 3 diverging hollow cones which disperse heat to the floor area at a minimum velocity for comfort.	up to 5 KW	9 (2.7)	17 (5.2)	—	 
	over 5 KW up to 10	13 (4.0)	29 (8.8)	—	
	over 10 KW up to 20	17 (5.2)	40 (12.2)	—	
	over 20 KW up to 50	21 (6.4)	68 (20.7)	—	
RADIAL DIFFUSER Ideal for high ceiling mounting. Louvers can be adjusted to direct airflow straight down when fully open to 45 degrees in a radial pattern which increases floor coverage by approximately 20%.	OPEN	up to 5 KW	10 (3.0)	20 (6.1)	 
		over 5 KW up to 10	15 (4.6)	30 (9.1)	
		over 10 up to 20	20 (6.1)	38 (11.6)	
		over 20 KW up to 50	25 (7.6)	65 (19.8)	
	45°	up to 5 KW	9 (2.7)	24 (7.3)	
		over 5 KW up to 10	11 (3.4)	36 (11.0)	
		over 10 KW up to 20	15 (4.5)	46 (14.0)	
		over 20 KW up to 50	18 (5.5)	78 (23.8)	

Wall Ceiling Mounting Hole Patterns



For Heaters 0-20 Kw



For Heaters 20.1 Kw & Up

UHIR Unit Heater

Installation Instructions

Combination Wall/Ceiling Mounting Kit & Optional Dust Shield

These instructions are meant to supplement the main installation, operating and maintenance instructions supplied with the UHIR unit heater. Do not attempt to install the heater before reading the main instructions. The dust shield is an optional component that may be used with horizontal discharge heaters.

WARNING

Serious injury or unsafe operating conditions could result from not following these instructions. Ensure that the mounting surface is of sufficient strength to support the weight of the heater.

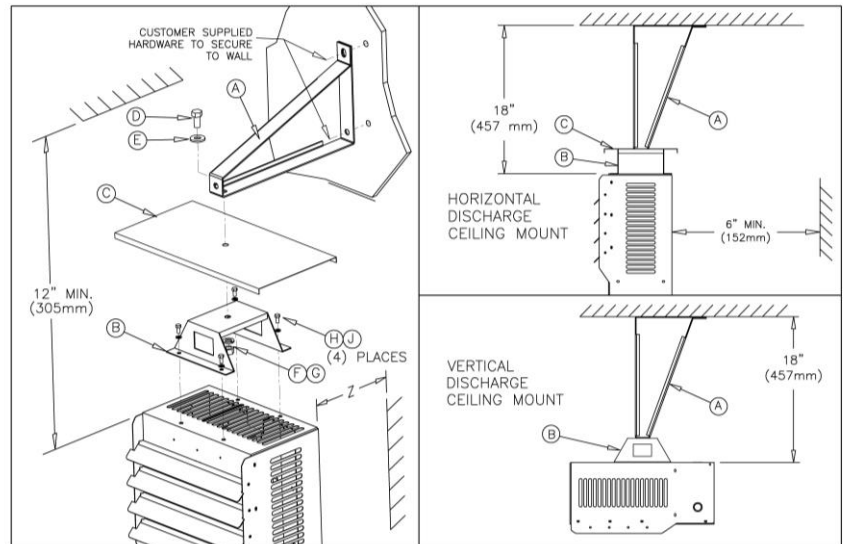
Cabinet Size	Mounting Kit Item	Mtg Kit Weight Lb. (kg)	Dust Shield Item	Dust Shield Weight Lb. (kg)	Clearances	
					X WALL TO SIDE OF HTR	Z WALL TO BACK OF HTR
1	1024149	3 (1.4)	1023941	2 (0.9)	8 in (203mm)	11.188 in (284mm)
2					6 in (152mm)	9.313 in (237mm)
3	1024150	3.7 (1.7)	1024059	3 (1.4)	6 in (152mm)	9.313 in (237mm)
4	1024151	9 (4.1)	1024060	4 (1.8)	9.281 in (236mm)	14.937 in (380mm)

Cabinet Sizes 1, 2 & 3

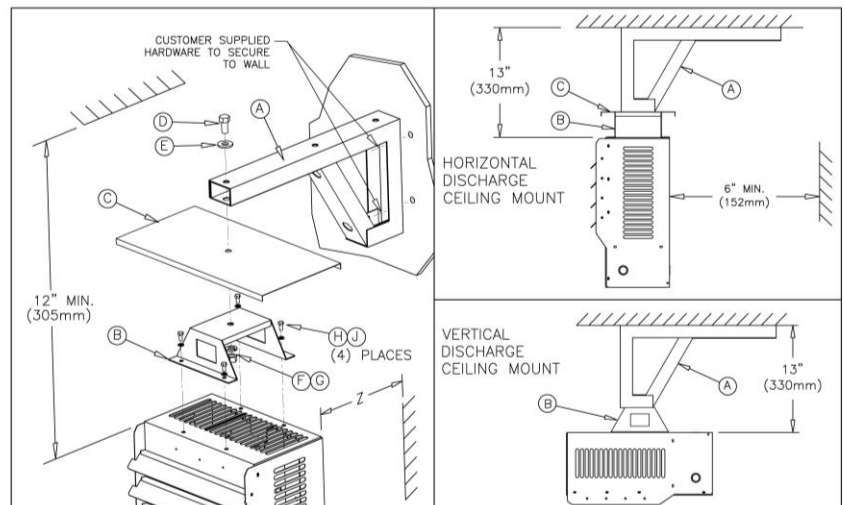
1. Locate the position of the cantilever arm (A) and mark the mounting hole locations in either the wall or the ceiling. Reference the UHIR owners' manual for heater dimensions and weights.
2. Mount the cantilever arm (A) to the wall or ceiling using bolts with a minimum diameter of 3/8" (9.5mm). A heavy flat washer should be used between the bolt head and cantilever arm surface. Use a screw or bolt suitable to the mounting surface. This hardware is not supplied with the mounting kit or heater. Tighten the hardware securely.

3. Horizontal Discharge: Remove the four threaded bolts (H) and lockwashers (J) located in the top of the heater and save. Do not remove any bolts or hardware located in the back of the heater case.
Vertical Discharge: Remove the four threaded bolts (H) and lockwashers (J) located in the back of the heater and save. Do not remove any bolts or hardware located in the top of the heater case.

4. Secure the hanging bracket (B) to the heater cabinet using the bolts (H) and lockwashers (J) saved from step 3.
5. Carefully raise the heater into position below the cantilever arm (A). Attach the heater (and optional dust shield (C) if applicable) to the cantilever arm (A) at the center hole in the hanging bracket (B) as shown using one 1/2-13" bolt (D), one 1/2" flat washer (E), one 1/2" split lockwasher (F), and one 1/2-13 nut (G), supplied with this kit



Cabinet Size 4



INDEECO 

425 Hanley Industrial Court
St. Louis, MO 63144
314-644-4300
www.indeeco.com
sales@indeeco.com

Instructions d'installation pour des appareils de chauffage UHIR

Nécessaire combiné d'installation au mur ou au plafond et écran de protection de poussière optionnel

Voici des instructions supplémentaires à l'installation principale et aux instructions de l'opération et entretien fournies avec le UHIR appareil de chauffage. Ne pas tenter d'installer l'appareil sans avoir lu les instructions principales. L'écran de protection de poussière est un élément optionnel qui peut être utilisé avec des appareils de chauffage avec échappement horizontal.

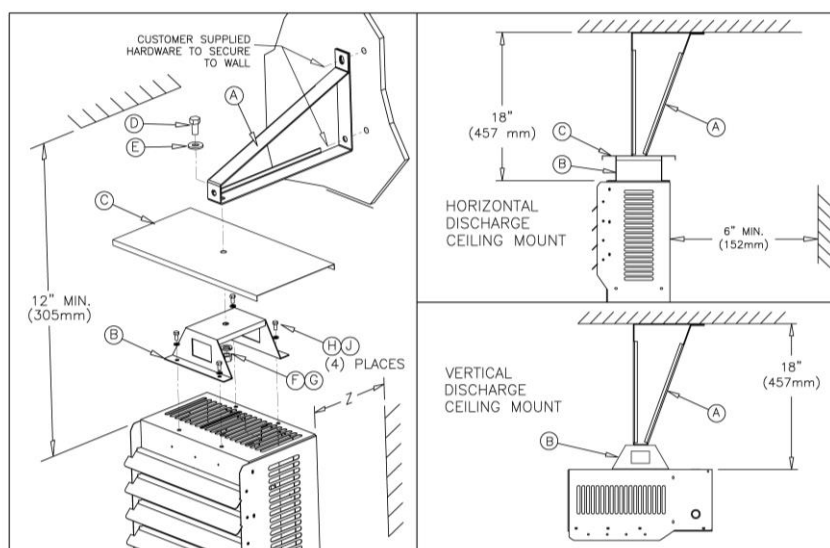
AVERTISSEMENT

Ne pas suivre ces instructions peut causer des blessures sérieuses et aussi des conditions dangereuses d'opération. Faites certain que la surface de l'installation soit suffisamment solide pour supporter le poids de l'appareil de chauffage.

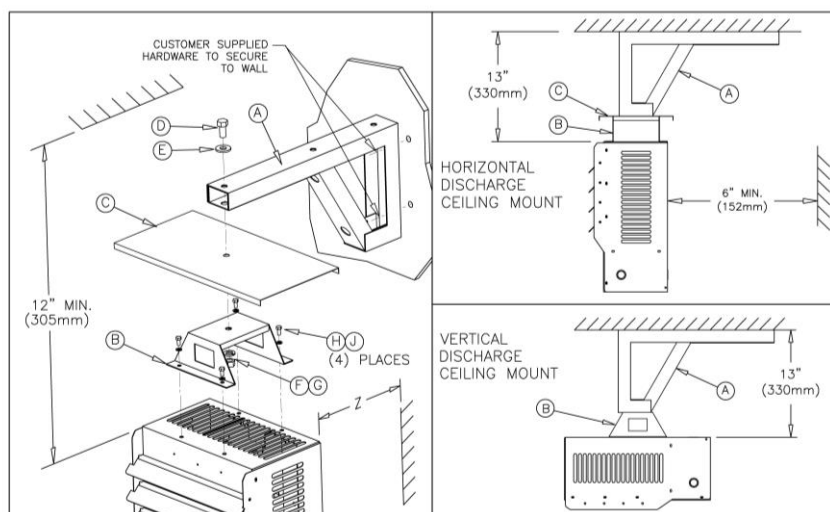
- Déterminez la position pour le cantilever (A) et marquez les trous d'installation dans le mur ou dans le plafond. Consultez le manuel de propriétaire pour les dimensions et le poids de l'appareil de chauffage.
- Installez le cantilever au mur ou au plafond en utilisant des boulons avec un diamètre minimum de 3/8" (9.5 mm). Il faut utiliser une grosse rondelle plate entre la tête du boulon et la surface du cantilever. Utilisez des boulons ou des vis adéquats au surface de l'installation. Cette quincaillerie n'est pas fournie ni avec le nécessaire d'installation ni avec l'appareil de chauffage.
- Echappement horizontal: Ôtez et gardez les quatre boulons filetés (H) et les rondelles frein (J) au dessus de l'appareil de chauffage. Ne pas ôter nul boulon ou autre quincaillerie à l'arrière du cabinet de l'appareil de chauffage. Echappement vertical: Ôtez et gardez les quatre boulons filetés (H) et les rondelles frein (J) à l'arrière de l'appareil de chauffage. Ne pas ôter nul boulon ni nulle quincaillerie du dessus du cabinet de l'appareil.
- Attachez le gousset (B) au cabinet de l'appareil de chauffage utilisant les boulons (H) et les rondelles frein gardés en étape 3.
- Prenez soin en soulevant l'appareil de chauffage en position sous le cantilever (A). Attachez l'appareil de chauffage (et l'écran de protection contre la poussière optionnel (C) au trou centre du gousset (B) comme illustré en utilisant un boulon 1/2-13" (D) une rondelle plate à 1/2" (E) une rondelle frein (F) et un écrou 1/2-13" (G) inclus dans ce nécessaire.

Taille du Cabinet	Nécessaire d'installation Item	Poids du nécessaire d'installation Lb. (kg)	Écran poussière Item	Poids de l'écran poussière Lb. (kg)	Les jeux	
					X Du mur au côté de l'appareil	Z Du mur au derrière de l'appareil
1	1024149	3 (1.4)	1023941	2 (0.9)	8 in (203mm)	11.188 in (284mm)
2					6 in (152mm)	9.313 in (237mm)
3	1024150	3.7 (1.7)	1024059	3 (1.4)	6 in (152mm)	9.313 in (237mm)
4	1024151	9 (4.1)	1024060	4 (1.8)	9.281 in (236mm)	14.937 in (380mm)

Cabinet Tailles 1, 2 et 3



Taille du Cabinet 4



INDEECO®

425 Hanley Industrial Court
St. Louis, MO 63144
314-644-4300
www.indeeco.com
sales@indeeco.com

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Warranty Period

18 months from the date of shipment from Indeeco's factory, or 12 months from the date the product is first placed into service, whichever period lapses first.

Conditions of Warranty

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