

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

Date: 09/28/2026
Return Request: Normal
Project: EBBING F35 SAPF
Supplier: Comfort Systems USA
Manufacturer: Reznor
Submittal: Cabinet Unit Heaters
Submittal Number: 23 83 00-2.1
Drawing # and Installation: Mechanical

ARCHITECT

Burns and McDonnell
Kansas City, MO 64114

ENGINEER

Byron Edward K. Fonseca

GENERAL CONTRACTOR

BL Harbert International

MECHANICAL SUBCONTRACTOR

Comfort Systems USA (Arkansas), Inc.
116 Commercial Ave.
Lowell, AR 72745
(479) 770.8992

NOTES:

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CSUSA PROJECT NO.
26-5039

jzuber@comfortar.com



SUBMITTAL

F-35: Special Access Program Facility - Electric Units Heaters

Submittal

LOCATION	Fort Smith, Arkansas
DATE	September 9, 2026
PRODUCTS	Cabinet Unit Heaters - (CUH-101, 102) - Reznor Register - Other Spec - Other Schedule - Other IOM - Other

TABLE OF CONTENTS

Submittal	Products	Manufacturer	Spec #	Page
1	Cabinet Unit Heaters - (CUH-101, 102)	Reznor	23 83 00 . 00 20	3
2	Register	Other		15
3	Spec	Other		17
4	Schedule	Other		22
5	IOM	Other		24

Submittal

JOB NAME	F-35: Special Access Program Facility - Electric Units Heaters
PRODUCT	Cabinet Unit Heaters - (CUH-101, 102)
MANUFACTURER	Reznor
LOCATION	Fort Smith, Arkansas
DATE	September 9, 2026
SPECIFICATION	23 83 00 . 00 20
ENGINEER	US Army Corp of Engineers
CONTRACTOR	Comfort Systems USA
SUBMITTED BY	Joey Smith



PROJECT SUBMITTAL

Job Name

**F-35 Special Access Program
Facility**

Quote ID#: 491264

Prepared by:

Chad Fisher
(479) 621-3020
chad.fisher@powers-hvac.com

Date: 09/03/2026

The attached describes the equipment we propose to furnish for your review and approval.

Due to continuous improvement, information in this document is subject to change to reflect current design criteria or corrections of erroneous data.

TECHNICAL SPECIFICATIONS FOR MODEL EMC

**INDOOR COMMERCIAL/INDUSTRIAL FORCED-AIR
ELECTRIC WALL- OR CEILING-MOUNTED CABINET HEATER**



Table of Contents

Unit Sizes	2
Features	2
Factory-Installed Options	2
Field-Installed Options	3
Technical Data	3
Dimensions.	4
Shipping Weight	5
Mounting Configurations	5

In keeping with our policy of continuous product improvement, we reserve the right to alter, at any time, the design, construction, dimensions, weights, etc., of equipment information shown here.

TECHNICAL SPECIFICATIONS—CONTINUED

Unit Sizes

These heaters are available in twelve unit sizes based on heating capacity of 1,333–24,000 watts.

Features

- Voltage/phase options: 208/1, 208/3, 240/1, 240/3, 277/1, 347/1, 480/1, 480/3, 600/1, and 600/3
- White or almond epoxy/polyester powder paint finish (special colors available for high-volume orders)
- 18-gauge steel cabinet
- Extruded aluminum bar grill (prevents insertion of foreign objects)
- Field-changeable air inlet and outlet
- Optional fresh air inlet damper and air filters
- Direct-drive, variable-speed squirrel-cage fan with fan delay and 240/208V 1/15-HP factory-lubricated motor (two-speed-motor (1,600/1,500 RPM) available)
- Durable tubular heating element with fins
- Multi-position mounting: surface, semi-recessed, or recessed (kit available for recessed or semi-recessed units)
- Sub-base and special back plate available
- Standard 240V control circuit
- High-temperature limit control with automatic reset

NOTE: The manufacturer highly recommends the use of a wall thermostat for greater comfort.

Factory-Installed Options

Option	Description
AK2	Voltage/phase 208/1
AK5	Voltage/phase 208/3
AK3E	Voltage/phase 240/1
AK6E	Voltage/phase 240/3
AK4	Voltage/phase 277/1 (not available for unit sizes 15, 18, 20, and 24)
AK34	Voltage/phase 347/1 (not available for unit sizes 15, 18, 20, and 24)
AK9E	Voltage/phase 480/1
AK7E	Voltage/phase 480/3
AK10	Voltage/phase 600/1
AK8E	Voltage/phase 600/3
ARB2	Fresh air inlet with manual damper (not available with option IC15)
ARB4	Fresh air inlet with motorized damper (not available with option IC15)
BA12	Branch circuit fusing
BA14	Disconnect switch, 600V, triple-pole, 40A
BA15	Disconnect switch, 600V, triple-pole, 80A
BD6	High-temperature limit control with manual reset
BF10	ON/STANDBY/HEAT switch
BF23	ON/AUTO fan switch
BF24	HIGH/LOW FAN/HEAT switch
BT1	24V control relay with transformer
HG1–HG12	Mounting configuration (refer to Mounting Configurations section)
HK1	White cabinet color
HK2	Almond cabinet color
IC15	Internal tamper-proof thermostat

Included Options for EMC-8 / CUH-101, CUH-102

AK7E 480/3/60 VOLTAGE

BA14 40A UNIT MOUNT 3 POLE DISCONCT

BD6 High limit, manual reset

BF10 On/off toggle switch

BF23 UNIT MOUNTED ON/AUTO FAN SWTCH

HG4 Wall mounted unit with inlet air on lower front and discharge air in upper front

HK1 Finished in white epoxy/polyester powder paint.

IC15 1-STG TAMPERPROOF INTERN TSTAT

Field-Installed Options

Option	Description
CL1A	Single-pole, low-voltage thermostat
CL5	Single-pole, single-stage thermostat
HY4	Recessed trim kit
HY7	Sub-base for wall mounting, 2-inch
HZ3	Standard filters (wall-mounted units only)
HZ4	Washable filters (wall-mounted units only)
IR2B	240V/24V transformer
IR24	24V control relay without transformer (24V signal by others)

Technical Data

Parameter	Unit of Measure	Unit Size (kW)					
		2	3	4	5	6	8
Heating capacity, low	watt	1333	1000	2667	3333	4000	
	BTUh	4552	3415	9108	11,383	13,661	
Heating capacity, high	watt	2000	3000	4000	5000	6000	8000
	BTUh	6830	10,246	13,661	17,076	20,491	27,321
Airflow, low	CFM	200					400
Airflow, high		250					500
Sound level, low	dBa	48					
Sound level, high		50					

Parameter	Unit of Measure	Unit Size (kW)					
		10	12	15	18	20	24
Heating capacity, low	watt	5000	6000	10,000	12,000	10,000	12,000
	BTUh	17,076	20,491	34,152	40,982	34,152	40,982
Heating capacity, high	watt	10,000	12,000	15,000	18,000	20,000	24,000
	BTUh	34,152	40,982	51,228	61,473	68,304	81,964
Airflow, low	CFM	400		600		800	
Airflow, high		500		750		1000	
Sound level, low	dBa	48					
Sound level, high		50					

TECHNICAL SPECIFICATIONS—CONTINUED

Technical Data—Continued

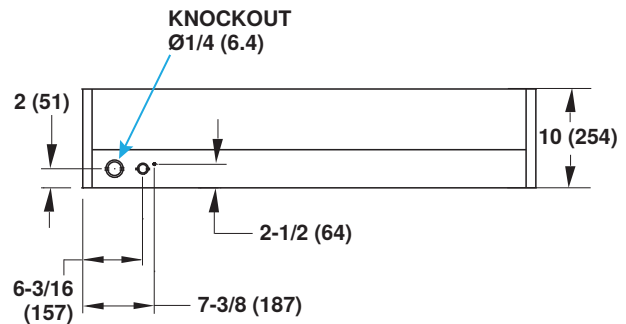
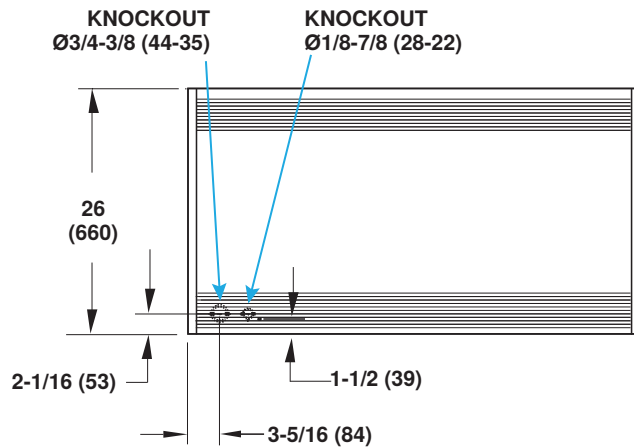
Voltage/ Phase	Unit Size (kW)											
	2	3	4	5	6	8	10	12	15	18	20	24
Amp Draw for Disconnect Sizing												
208/1	9.62	14.42	19.23	24.04	28.85	38.46	48.08*	57.69*	72.12*	—		
208/3	5.56	8.34	11.12	13.90	16.67	22.23	27.79	33.35	41.69*	50.02*	55.58*	66.70*
240/1	8.33	12.50	16.67	20.83	25.00	33.33	41.67*	50.00*	62.50*	75.00*	—	
240/3	4.82	7.23	9.63	12.04	14.45	19.27	24.08	28.90	36.13	43.35*	48.17*	57.80*
277/1	7.22	10.83	14.44	18.05	21.66	28.88	36.10	43.32*	—			
347/1	5.76	8.65	11.53	14.41	17.29	23.05	28.82	34.58	—			
480/1	4.17	6.25	8.33	10.42	12.50	16.67	20.83	25.00	31.25	37.50	41.67*	50.00*
480/3	2.41	3.61	4.82	6.02	7.23	9.63	12.04	14.45	18.06	21.68	24.08	28.90
600/1	3.33	5.00	6.67	8.33	10.00	13.33	16.67	20.00	25.00	30.00	33.33	40.00*
600/3	1.93	2.89	3.85	4.82	5.78	7.71	9.63	11.56	14.45	17.34	19.27	23.12

NOTE: 40A disconnect switch (option BA14) used unless otherwise indicated.
 *Uses 80A disconnect switch (option BA15).

Dimensions

Unit Size (kW)											
2	3	4	5	6	8	10	12	15	18	20	24
Length (Inches (mm))											
28 (711)						48 (1219)	66 (1676)			80 (2032)	

NOTE: Wall or ceiling opening = (length + 1 inch (25.4 mm)) × (height + 1 inch (25.4 mm)).



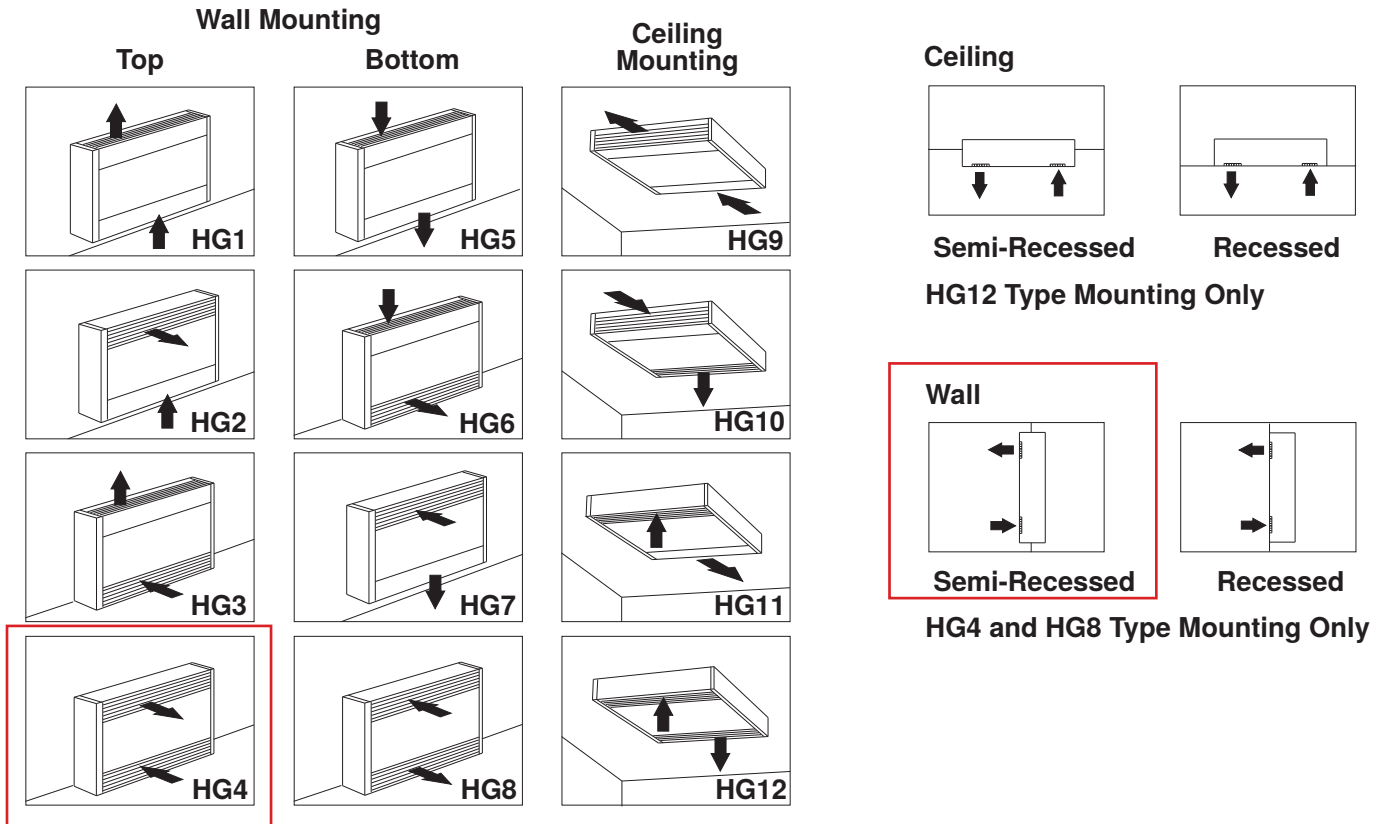
Shipping Weight

Unit Size (kW)											
2	3	4	5	6	8	10	12	15	18	20	24
Pounds (kg)											
115 (52.3)					146 (66.4)			210 (95.5)		240 (109.1)	

Mounting Configurations

Mounting Location	Airflow Direction	Option	Air Discharge	Air Inlet
Wall	Up	HG1	Top	Bottom
		HG2	Upper front	
		HG3	Top	Lower front
		HG4	Upper front	
	Down	HG5	Bottom	Top
		HG6	Lower front	
		HG7	Bottom	Upper front
		HG8	Lower front	
Ceiling	See graphic below	HG9	Horizontal side	Horizontal side
		HG10	Vertical down	
		HG11	Horizontal side	Vertical up
		HG12	Vertical down	

NOTE: Maximum recommended installation height: 10 feet (3 meters).





Revision: WARRANTY (10-25) 1036195-K

Supersedes: W (08-25) 1036195-J

WARRANTY FOR REZNOR LLC PRODUCTS

Manufacturer Product Limited Warranty

Reznor LLC warrants to the original owner-user that this product will be free from defects in material and workmanship. This warranty is limited to twelve (12) months from the date of original installation, whether or not actual use begins on that date, or eighteen (18) months from date of shipment, whichever occurs first.

Manufacturer Replacement Parts Limited Warranty

Reznor LLC warrants replacement parts for thirty (30) days after installation or thirteen (13) months from date of shipment, whichever occurs first.

Extended Warranty

NOTE: Extended warranty on electrical and mechanical operating components does not apply to blower belts or to any HVAC equipment installed in highly humid environments such as greenhouses.

Limited to the following models, components, and applications:

- **Models F and B:** Extended nine (9) years for a total ten-year, non-prorated warranty on the heat exchanger, burners, draft hood, and flue baffle assembly. Extended four (4) years for a total five-year, non-prorated warranty on all electrical and mechanical operating components.
- **Models UBX, UBX, UBZ, UDAP, UDAS, UDBP, UDBS, UDX, UDXC, UDX, UEAS, and UEZ:** Extended nine (9) years for a total ten-year, non-prorated warranty on the heat exchanger, burner, and flue collection box assembly. Extended four (4) years for a total five-year, non-prorated warranty on all electrical and mechanical operating components.
- **Models DTH, EUH, EUHC, H, and UWS:** Extended four (4) years for a total five-year, non-pro-rated warranty on all electrical and mechanical operating components.
- **Model CAUA:** Extended nine (9) years for a total ten-year, non-prorated warranty on the heat exchanger and burners. Extended four (4) years for a total five-year, non-prorated warranty on all electrical and mechanical operating components.
- **Models VCS, VCT, VPS, VPT, VR, VZ, VZH, and VZT:** Extended nine (9) years for a total ten-year, non-prorated warranty on all tubes. Extended four (4) years for a total five-year, non-prorated warranty on the burner and all electrical and mechanical operating components.

Optional Purchased Extended Warranty

Purchased with and limited to the following models and components:

- **Option XW1:** Extended four (4) years for a total five-year, non-prorated warranty on compressors—for models DF6SF, JS4BD, JT4BD, MASA, PEH, PDH, RCB, RCC, RDB, RDC, RDCB, RDCC, RDDB, RDDC, RECB, RECC, REDB, REDC, REH, RDH, RHH, S5BP, SHH, SDH, T5BP, YDHA, YDMA, YDSA, YWMA
- **Option XW2:** Extended four (4) years for a total five-year, non-prorated warranty on the heat exchanger—for models PDH, RDCB, RDCC, RDDB, RDDC, RHH with AC5, RDH with AC2 or AC4, RPB, RPBL, SCE, SDH, SHH, SSCBL, YDHA, YDMA, YDSA, YWMA
- **Option XW3:** Extended nine (9) years for a total ten-year, non-prorated warranty on the heat exchanger—for models B6BMM, DF6SF, PDH, R6GD, R6GF, R6GI, R6GN, R6GP, R8GD, R8GE, R8HE, RDCC, RDDB, RDDC, RDH with AC2 or AC4, RHH with AC5, RDCB, RPB, RPBL, SCE, SDH, SHH, SSCBL, YDHA, YDMA, YDSA, YWMA
- **Option XW4:** Extended four (4) years for a total five-year, non-prorated warranty on electric furnace—for models PEH, RECB, RECC, REDB, REDC, REH, YDHA, YDMA, YDSA, YWMA
- **Option XW9:** Extended three (3) years for a total five-year, non-prorated warranty on all parts—for model ZQYRA

Limitations and Exclusions

Reznor LLC obligations under this warranty and the sole remedy for its breach are limited to repair, at its manufacturing facility, of any part or parts of its products which prove to be defective; or, in its sole discretion, replacement of such products. All returns of defective parts or products must include the product model number and serial number, and must be made through an authorized distributor or arranged through Customer Service. Authorized returns must be shipped prepaid. Repaired or replacement parts will be shipped F.O.B. shipping point.

1. The warranty provided herein does not cover charges for labor or other costs incurred in the troubleshooting, repair, removal, installation, service or handling of parts or complete products. **EXCEPTION: Model WS**—If heat exchanger leaks or other failure occurs within the warranty period, Reznor LLC will pay up to \$50 for qualified contractor to make necessary repairs. If the heat exchanger cannot be repaired, Reznor LLC will exchange the defective unit for a new hydronic heater.
2. All claims under the warranty provided herein must be made within ninety (90) days from the date of discovery of the defect. Failure to notify the manufacturer of a warranted defect within ninety (90) days of its discovery voids obligation hereunder.
3. The warranty provided herein shall be void and of no effect in the event that (a) the product has been operated outside its designed output capacity (heating, cooling, airflow); (b) the product has been subjected to misuse, neglect, accident, improper or inadequate maintenance, corrosive environments, environments containing airborne contaminants (silicone, aluminum oxide, etc.), or excessive thermal shock; (c) unauthorized modifications are made to the product; (d) the product is not installed or operated in compliance with the manufacturer's printed instructions; (e) the product is not installed and operated in compliance with applicable building, mechanical, plumbing and electrical codes; or (f) the serial number of the product has been altered, defaced, or removed.
4. The warranty provided herein is for repair or replacement only. The manufacturer shall not be liable for any loss, cost, damage, or expense of any kind arising out of a breach of the warranty. Further, shall not be liable for any incidental, consequential, exemplary, special, or punitive damages, nor for any loss of revenue, profit or use, arising out of a breach of this warranty or in connection with the sale, maintenance, use, operation, or repair of any product. In no event will be liable for any amount greater than the purchase price of a defective product. The disclaimers of liability included in this paragraph 4 shall remain in effect and shall continue to be enforceable in the event that any remedy herein shall fail of its essential purpose.
5. THIS WARRANTY IS THE SOLE AND EXCLUSIVE WARRANTY FOR REZNOR LLC PRODUCTS, AND IS IN LIEU OF ALL OTHER EXPRESS AND IMPLIED WARRANTIES. REZNOR LLC SPECIFICALLY DISCLAIMS ALL OTHER EXPRESS AND IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. No person or entity is authorized to bind REZNOR LLC to any other warranty, obligation, or liability for any product. Installation, operation, or use of the product for which this warranty is issued shall constitute acceptance of the terms hereof.
6. Failure and replacement caused by contamination from bacteria are excluded from warranty coverage (i.e., dirty sock syndrome). Consequential or other damage(s) caused by rust, brownouts, blackouts, oxidation, corrosion, water, water condition, freezing, fire, other abnormal environmental conditions or other natural acts are excluded from warranty coverage. Premature failure due to the use of inferior building materials such as high sulfur content dry wall, corrosive conditions caused by location, moisture, green slime, etc. are also excluded from warranty coverage.
7. This warranty does not apply to parts that fail as a direct result of environmental influences.

Model	Serial No.	Date of Installation
	Installer	Distributor

Specifications and illustrations subject to change without notice or incurring obligations.

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WARRANTY (10-25) 1036195-K



GARANTIE POUR PRODUITS REZNOR LLC**Garantie limitée pour le produit du fabricant**

Reznor LLC garantit au propriétaire-utilisateur d'origine que ce produit sera exempt de défauts de matériaux et de fabrication. Cette garantie est limitée à douze (12) mois à compter de la date d'installation d'origine, que l'utilisation réelle commence ou non à cette date, ou à dix-huit (18) mois à compter de la date d'expédition, selon la première éventualité.

Garantie limitée pour les pièces de rechange du fabricant

Reznor LLC garantit les pièces de rechange pendant trente (30) jours après l'installation ou treize (13) mois à compter de la date d'expédition, selon la première éventualité.

Garantie prolongée

REMARQUE : La garantie prolongée sur les composants électriques et mécaniques ne s'applique pas aux courroies de soufflerie ou aux équipements CVC installés dans des environnements très humides comme les serres.

Limité aux modèles, composants et applications suivants :

- **Modèles F et B :** Garantie prolongée de neuf (9) ans pour une garantie totale de dix ans, non proportionnelle, sur l'échangeur de chaleur, les brûleurs, dispositif de régulation du tirage et l'ensemble de déflecteur de fumée. Garantie prolongée de quatre (4) ans pour une garantie totale de cinq ans, non proportionnelle, sur tous les composants électriques et mécaniques de fonctionnement.
- **Modèles UBXC, UBZ, UDAP, UDAS, UDBP, UDBS, UDX, UDXC, UDZ, UEAS et UEZ :** Garantie prolongée de neuf (9) ans pour une garantie totale de dix ans, non proportionnelle, sur l'ensemble de l'échangeur de chaleur, du brûleur et de la boîte de récupération de fumée. Garantie prolongée de quatre (4) ans pour une garantie totale de cinq ans, non proportionnelle, sur tous les composants électriques et mécaniques de fonctionnement.
- **Modèles DTH, EUH, EUHC, H et UWS :** Garantie prolongée de quatre (4) ans pour une garantie totale de cinq ans, non proportionnelle, sur tous les composants de fonctionnement électriques et mécaniques.
- **Modèle CAUA :** Garantie prolongée de neuf (9) ans pour une garantie totale de dix ans, non proportionnelle, sur l'échangeur de chaleur et les brûleurs. Garantie prolongée de quatre (4) ans pour une garantie totale de cinq ans, non proportionnelle, sur tous les composants de fonctionnement électriques et mécaniques.
- **Modèles VCS, VCT, VPS, VPT, VR, VZ, VZH et VZT :** Garantie prolongée de neuf (9) ans pour une garantie totale de dix ans, non proportionnelle, sur tous les tubes. Garantie prolongée de quatre (4) ans pour une garantie totale de cinq ans, non proportionnelle, sur le brûleur et tous les composants de fonctionnement électriques et mécaniques.

Garantie prolongée achetée en option

Acheté avec et limité aux modèles et composants suivants :

- **Option XW1:** Prolongation de quatre (4) ans pour une garantie totale de cinq ans, non proportionnelle, sur les compresseurs—pour les modèles **DF6SF, JS4BD, JT4BD, MASA, PEH, PDH, RCB, RCC, RDB, RDC, RDCB, RDCC, RDDB, RDDC, RECB, RECC, REDB, REDC, REH, RDH, RHH, S5BP, SHH, SDH, T5BP, YDHA, YDMA, YDSA, YWMA**
- **Option XW2:** Prolongation de quatre (4) ans pour une garantie totale de cinq ans, non proportionnelle, sur l'échangeur de chaleur—pour les modèles **PDH, RDCB, RDCC, RDDB, RDDC, RHH with AC5, RDH with AC2 or AC4, RPB, RPBL, SCE, SDH, SHH, SSCBL, YDHA, YDMA, YDSA, YWMA**
- **Option XW3:** Prolongation de neuf (9) ans pour une garantie totale de dix ans, non proportionnelle, sur l'échangeur de chaleur—pour les modèles **B6BMM, DF6SF, PDH, R6GD, R6GF, R6GI, R6GN, R6GP, R8GD, R8GE, R8HE, RDCC, RDDB, RDDC, RDH with AC2 or AC4, RHH with AC5, RDCB, RPB, RPBL, SCE, SDH, SHH, SSCBL, YDHA, YDMA, YDSA, YWMA**
- **Option XW4:** Prolongation de quatre (4) ans pour une garantie totale de cinq ans, non proportionnelle, sur la fournaise électrique—pour les modèles **PEH, RECB, RECC, REDB, REDC, REH, YDHA, YDMA, YDSA, YWMA**
- **Option XW9:** Prolongation de trois (3) ans pour une garantie totale de cinq ans, non proportionnelle, sur toutes les pièces—pour le modèle **ZQYRA**

Limitations et exclusions

Les obligations de Reznor LLC en vertu de cette garantie et le seul recours en cas de violation de celle-ci sont limités à la réparation, dans son usine de fabrication, de toute pièce ou pièces de ses produits qui s'avèrent défectueuses; ou, à sa seule discrétion, le remplacement de ces produits. Tous les retours de pièces ou de produits défectueux doivent inclure le numéro de modèle et le numéro de série du produit et doivent être effectués par l'intermédiaire d'un distributeur autorisé ou organisés par le service client. Les retours autorisés doivent être expédiés prépayés. Les pièces réparées ou de remplacement seront expédiées F.O.B. au point d'expédition.

1. La garantie fournie ici ne couvre pas les frais de main-d'oeuvre ou autres coûts engagés dans le dépannage, la réparation, le retrait, l'installation, l'entretien ou la manutention de pièces ou de produits complets. **EXCEPTION : Modèle WS**—Si des fuites de l'échangeur de chaleur ou une autre panne surviennent pendant la période de garantie, Reznor LLC paiera jusqu'à \$50 pour qu'un entrepreneur qualifié effectue les réparations nécessaires. Si l'échangeur de chaleur ne peut pas être réparé, Reznor LLC échangera l'unité défectueuse contre un nouveau chauffe-eau hydronique.
2. Toutes les réclamations au titre de la garantie prévue aux présentes doivent être faites dans les quatre-vingt-dix (90) jours suivant la date de découverte du défaut. Le non-avis au fabricant d'un défaut garanti dans les quatre-vingt-dix (90) jours suivant sa découverte annule l'obligation en vertu des présentes.
3. La garantie fournie ici sera nulle et sans effet dans le cas où (a) le produit a été utilisé en dehors de sa capacité de sortie conçue (chauffage, refroidissement, flux d'air) ; (b) le produit a été soumis à une mauvaise utilisation, à une négligence, à un accident, à un entretien inapproprié ou inadéquat, à des environnements corrosifs, à des environnements contenant des contaminants en suspension dans l'air (silicone, oxyde d'aluminium, etc.) ou à un choc thermique excessif ; (c) des modifications non autorisées sont apportées au produit ; (d) le produit n'est pas installé ou utilisé conformément aux instructions imprimées du fabricant ; (e) le produit n'est pas installé et utilisé conformément aux codes du bâtiment, de la mécanique, de la plomberie et de l'électricité applicables; ou (f) le numéro de série du produit a été modifié, dégradé ou supprimé.
4. La garantie fournie ici concerne uniquement la réparation ou le remplacement. Le fabricant ne sera pas responsable de toute perte, coût, dommage ou dépense de quelque nature que ce soit résultant d'une violation de la garantie. De plus, nous ne serons pas responsables des dommages accessoires, consécutifs, exemplaires, spéciaux ou punitifs, ni de toute perte de revenus, de bénéfices ou d'utilisation, découlant d'une violation de cette garantie ou en relation avec la vente, l'entretien, l'utilisation, le fonctionnement ou la réparation de tout produit. En aucun cas, nous ne serons responsables d'un montant supérieur au prix d'achat d'un produit défectueux. Les clauses de non-responsabilité incluses dans le présent paragraphe 4 resteront en vigueur et continueront d'être applicables dans le cas où l'un des recours prévus aux présentes ne parviendrait pas à atteindre son objectif essentiel.
5. CETTE GARANTIE EST LA SEULE ET UNIQUE GARANTIE POUR LES PRODUITS REZNOR LLC ET REMPLACE TOUTES LES AUTRES GARANTIES EXPRESSES ET IMPLICITES. REZNOR LLC DÉCLINE SPÉCIFIQUEMENT TOUTES LES AUTRES GARANTIES EXPRESSES ET IMPLICITES, Y COMPRIS, MAIS SANS S'Y LIMITER, TOUTES LES GARANTIES IMPLICITES DE QUALITÉ MARCHANDE ET D'ADÉQUATION À UN USAGE PARTICULIER. Aucune personne ou entité n'est autorisée à lier REZNOR LLC à une autre garantie, obligation ou responsabilité pour tout produit. L'installation, le fonctionnement ou l'utilisation du produit pour lequel cette garantie est émise constitue l'acceptation des termes des présentes.
6. Les défaillances et les remplacements causés par une contamination bactérienne sont exclus de la couverture de la garantie (c.-à-d. le syndrome de la chaussette sale). Les dommages consécutifs ou autres causés par la rouille, les baisses de tension, les pannes de courant, l'oxydation, la corrosion, l'eau, l'état de l'eau, le gel, le feu, d'autres conditions environnementales anormales ou d'autres actes naturels sont exclus de la couverture de la garantie. Les défaillances prématurées dues à l'utilisation de matériaux de construction de qualité inférieure tels que les cloisons sèches à haute teneur en soufre, les conditions corrosives causées par l'emplacement, l'humidité, la boue verte, etc. sont également exclues de la couverture de la garantie.
7. Cette garantie ne s'applique pas aux pièces qui tombent en panne en raison directe des influences environnementales.

Modèle	Numéro de série	Date d'installation
	Installateur	Distributeur

Spécifications et illustrations sujettes à changements sans préavis ou sans aucune obligation.

La dernière version de ce document est disponible sur www.reznorhvac.com.

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WARRANTY (10-25) 1036195-K



Submittal

JOB NAME	F-35: Special Access Program Facility - Electric Units Heaters
PRODUCT	Register
MANUFACTURER	Other
LOCATION	Fort Smith, Arkansas
DATE	September 9, 2026
ENGINEER	US Army Corp of Engineers
CONTRACTOR	Comfort Systems USA
SUBMITTED BY	Joey Smith

SUBMITTAL REGISTER

CONTRACT NO.

TITLE AND LOCATION

Ebbing ANGB Special Access Program Facility

CONTRACTOR

ACTIVITY NO	TRANSMITTAL NO	SPEC SECT	DESCRIPTION ITEM SUBMITTED	PARAGRAPH	GOVT CLASSIFICATION	CONTRACTOR: SCHEDULE DATES			CONTRACTOR ACTION		DATE FWD TO APPR AUTH/	APPROVING AUTHORITY				MAILED TO CONTR/	REMARKS
						SUBMIT	APPROVAL NEEDED BY	MATERIAL NEEDED BY	ACTION CODE	DATE OF ACTION	DATE RCD FROM CONTR	DATE FWD TO OTHER REVIEWER	DATE RCD FROM OTH REVIEWER	ACTION CODE	DATE OF ACTION	DATE RCD FRM APPR AUTH	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)
Page 16 of 26		23 81 23	Installation Manual for Each Type of CRAC	3.1.2													
			SD-10 Operation and Maintenance Data														
			Computer Room Air Conditioner Operation and Maintenance Data	3.1.3	G												
			SD-11 Closeout Submittals														
			Indoor Air Quality During Construction	3.2	S												
		23 83 00.00 20	SD-02 Shop Drawings														
			Heater Installation Drawing	3.1													
			SD-03 Product Data														
			Electric Unit and Cabinet Heaters	2.1													
			Thermostat	2.1.6													
			SD-10 Operation and Maintenance Data														
			Electric Unit and Cabinet Heaters	2.1													
		25 05 11.01	SD-01 Preconstruction Submittals														
			Wireless and Wired Broadcast Communication Request	3.2.1.3	G												
			Device Account Lock Exception Request	3.3.2	G												
			Multiple Ethernet Connection Device Request	3.2.3.2	G												

Submittal

JOB NAME	F-35: Special Access Program Facility - Electric Units Heaters
PRODUCT	Spec
MANUFACTURER	Other
LOCATION	Fort Smith, Arkansas
DATE	September 9, 2026
ENGINEER	US Army Corp of Engineers
CONTRACTOR	Comfort Systems USA
SUBMITTED BY	Joey Smith

SECTION 23 83 00.00 20

ELECTRIC SPACE HEATING EQUIPMENT
04/06

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

NFPA 70 (2023; ERTA 4 2023; ERTA 5 2023; ERTA 6 2023) National Electrical Code

UNDERWRITERS LABORATORIES (UL)

UL 2021 (2015; Reprint Dec 2016) UL Standard for Safety Fixed and Location-Dedicated Electric Room Heaters

1.2 GENERAL REQUIREMENTS

Section 26 20 00 INTERIOR DISTRIBUTION SYSTEM, applies to this section, with the additions and modifications specified herein.

1.3 SUBMITTALS

Government approval is required for submittals with a "G" or "S" classification. Submittals not having a "G" or "S" classification are for information only. When used, a code following the "G" classification identifies the office that will review the submittal for the Government. Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-02 Shop Drawings

Heater Installation Drawing

SD-03 Product Data

Electric Unit and Cabinet Heaters

Thermostat

SD-10 Operation and Maintenance Data

Electric Unit and Cabinet Heaters, Data Package 5

Submit in accordance with Section 01 78 23 OPERATION AND MAINTENANCE DATA.

PART 2 PRODUCTS**2.1 ELECTRIC UNIT AND CABINET HEATERS**

UL 2021; wattage, voltage, phase, number of steps, Btu/hr and CFM as indicated. Provide control-circuit terminals and single source of power supply. Heaters 5 Kw and larger shall be 3-phase, with load balanced on each of the three phases. Limit leaving air temperature to 140 degrees F with entering air of 60 degrees F.

2.1.1 Design**2.1.1.1 Cabinet Unit Heaters**

Design heaters as vertical units with exposed front panels, hinged access doors, front bar grille inlet, and top bar grille outlet.

2.1.2 Heating Element

Nickel chromium heating wire element, free from expansion noise and 60 Hz hum. Embed element in magnesium-oxide insulating refractory. Seal element in high-mass steel or corrosion-resisting metallic sheath with fins. Enclose element ends in terminal box. Provide not more than six fins per inch. Limit fin surface temperature 550 degrees F at any point during normal operation.

2.1.3 Controls

Include limit controls for overheat protection of heaters. For remote thermostatic operation, provide contactor rated for 100,000 duty cycles. Provide a control transformer to supply 120-volt thermostat control circuit for each heater.

2.1.4 Wiring

Completely factory-prewired to terminal strips, ready to receive branch circuit and control connections for 140 degrees F copper wiring.

2.1.5 Fans

Provide cabinet unit heaters with centrifugal fans.

2.1.6 Thermostat

Provide tamper resistant thermostat, adjustable without requiring removal of heater components. Thermostat operating range shall be approximately 45 degrees F to a maximum of 85 degrees F with operating differential of 3 degrees F or less.

2.1.7 Disconnect Means

Provide factory-installed safety disconnect switch.

PART 3 EXECUTION**3.1 INSTALLATION**

Install in conformance with the approved heater installation drawing, NFPA 70, UL listing, and manufacturer's instructions, with necessary

clearances for air circulation, maintenance, inspection, service testing and repair. Connect to electrical supply in accordance with Section 26 20 00 INTERIOR DISTRIBUTION SYSTEM.

3.1.1 Cabinet Heaters

Where recessed mounting is indicated, seal entire recessed opening from exterior wall cavities, and provide a minimum 1/2-inch thick rigid fire resistant insulation on the wall behind the cabinet. Verify manufacturer's clearance requirements from electrical cords, drapes, and other furnishings.

3.1.2 Remote Thermostat

Mount remote room space thermostats as indicated. Connect remote thermostats with conduit and wiring to heaters as indicated.

3.2 FIELD QUALITY CONTROL

Provide necessary personnel, instruments, and equipment to perform tests. Notify the Contracting Officer 5 working days prior to scheduled testings and locations.

3.2.1 Field Inspection

Prior to initial operation, inspect installed equipment for conformance with drawings and specifications.

3.2.2 Insulation Resistance Tests

Test 600-volt wiring to verify that no short circuits or grounds exist. Tests shall be made using an instrument which applies a voltage of approximately 500 volts and provides a direct reading of resistance in ohms.

3.2.3 Operational Tests

Test equipment circuits and devices to demonstrate proper operation. Test each item of control equipment not less than 5 times.

-- End of Section --

Submittal

JOB NAME	F-35: Special Access Program Facility - Electric Units Heaters
PRODUCT	Schedule
MANUFACTURER	Other
LOCATION	Fort Smith, Arkansas
DATE	September 9, 2026
ENGINEER	US Army Corp of Engineers
CONTRACTOR	Comfort Systems USA
SUBMITTED BY	Joey Smith

[illegible]

US ARMY CORPS OF ENGINEERS LITTLE ROCK DISTRICT LITTLE ROCK, ARKANSAS	DESIGNED BY:	B. FONSECA	ISSUE DATE:	JULY 2025
	SOLUTION NO.:	J. SMITH	CONTRACT NO.:	W9127S24F0007
BURNS AND MCDONNELL 9000 BIRD PARKWAY KANSAS CITY, MO 64114 165438	CHECKED BY:	C. DAZE		
	SUBMITTED BY:	S. STEEBIN		
		FILE NAME:		
		ANSID		

F-35: SPECIAL ACCESS PROGRAM FACILITY
EBBING AIR NATIONAL GUARD BASE (ANGB), FORT SMITH, ARKANSAS

HVAC SCHEDULES

SHEET ID

M-605

READY-TO-ADVERTISE (RTA) SUBMITTAL

Submittal

JOB NAME	F-35: Special Access Program Facility - Electric Units Heaters
PRODUCT	IOM
MANUFACTURER	Other
LOCATION	Fort Smith, Arkansas
DATE	September 9, 2026
ENGINEER	US Army Corp of Engineers
CONTRACTOR	Comfort Systems USA
SUBMITTED BY	Joey Smith

⚠ WARNING ⚡

When using electrical appliances, basic precautions should always be taken to reduce the risk of fire, electrical shock and injury, including the following.

IMPORTANT INSTRUCTIONS

- # SAVE THESE INSTRUCTIONS

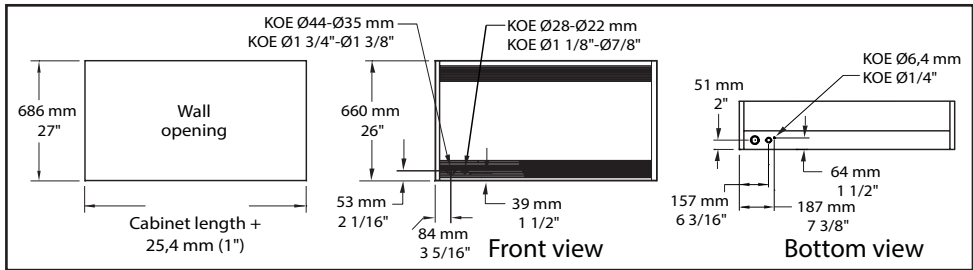
The installation of this heater must be executed by a qualified person, where required by law.

- High temperature, risk of fire, keep electrical cords, drapery, furnishings, and other combustibles at least 36 in. (915 mm) from the front of the heater. To reduce the risk of fire, do not store or use gasoline or other flammable vapors and liquids in the vicinity of the heater.
- Never install air outlet less than 24 in. (610 mm) from an opposite surface and/or 12 in. (305 mm) from an adjacent surface.
- Never install air inlet less than 6 in. (152 mm) of an opposite surface.
- In addition to ensuring that the clearance distances set out above are respected, ensure that the framing materials, insulation and finishing which are likely to be in contact with or close to the device can withstand temperatures of at least 90 °C (194 °F).
- Not for residential use in the United States.
- Disconnect all power supplies before working on any circuit.
- Put all covers back on heater before testing.
- Install filters only if regular maintenance will be made.
Do not install filters in ceiling applications.

- 1- Unit must be installed with trim frame of appropriate length.
- 2- Provide an opening of 1 in. (25 mm) on length and height greater than the size of the actual unit.
- 3- Remove front panel and open control section door.
- 4- Remove appropriate knockouts and secure supply and control cables.
- 5- Secure trim frame to unit using the supplied metal piercing screws.
- 6- Secure unit in place without warping using appropriate screws, shim if required. For ceiling application, use 1/2 in. X 13 UNC. threaded rods (not supplied).
- 7- Connect the unit according to local and national codes. See wiring diagram on control section door.
- 8- Close control section door and put front panel in place.
- 9- Test unit by temporarily setting thermostat at maximum temperature.

- 1- Unit must be installed on a sub-base of appropriate length.
- 2- Secure sub-base bracket to the floor.
- 3- Secure sub-base to unit using the supplied metal piercing screws.
- 4- Remove front panel and open control section door.
- 5- Remove appropriate knockouts and secure supply and control cables.
- 6- Secure unit and sub-base to sub-base bracket using the supplied screws.
- 7- Follow steps 7 through 9 of recess mounting.

- 1- Run supply and control cables to the back of the unit.
- 2- Remove front panel and open control section door.
- 3- Remove appropriate knockouts and secure supply and control cables.
- 4- Follow steps 6 through 9 of recess mounting.



- 1- The heater must be properly installed before it is used.
- 2- Turn the power on at the circuit breaker panel.
- 3- Electronic thermostat: be sure to set it on the fan mode.
- 4- Built-in tamperproof thermostat:
The built-in thermostat can be set with a small screwdriver through the grille.
To set thermostat at the desired temperature, follow these steps:
 - Set thermostat at maximum temperature (turn clockwise).
 - When the desired temperature is reached, turn the thermostat counter-clockwise slowly until you hear a click.
 - The thermostat will keep this room temperature.

On a call for heat from either the remote thermostat or the unit mounted thermostat the elements and fan will be energized.

When the thermostat is satisfied the elements will be deenergized.

The fan will continue to run until the residual heat is removed from the heater. Then the fan will stop.

When the heater includes a manual hi-limit, it can turn the heater out of service if an internal component is excessively hot. When this situation occurs, immediately turn the heater off and inspect for any objects on or adjacent to the heater that may have blocked the airflow or otherwise caused high temperatures to have occurred. If no obstruction is visible, the heater must be checked by a qualified person.

- Disconnect the power supply of the heater.
- Unscrew and open the front panel.
- Insert a pointed object in the reset hole (See Fig. 1).
- Push firmly until you hear a click.
- Close the front panel and fix with the screws.
- Turn the power back on.

- 1- Once a year, remove the front panel and use a vacuum cleaner to remove the dust accumulation inside the heater and through openings of the grilles.
- 2- Cleaning should be done while the heater is disconnected from the main service panel. Wait until the housing and heating element cool before performing maintenance.
- 3- Replace the front panel before energizing.
- 4- Any other servicing should be performed by a qualified technician.
- 5- Factory-lubricated motor. No lubrication required.

