Thru-the-Wall Comfort
Packaged Heating & Cooling

Comfort Pack Flex
Submittal Data

For Approval

Project:

Purchaser:

Date:

Up to 14.3 SEER2

National Comfort Products
An AeriTek Brand
539 Dunksferry Road • Bensalem, PA 19020-5908
(800) 523-7138 | www.nationalcomfortproducts.com

Go Thru-the-Wall

COMFORT PACK Flex

Project:

Models

**Please refer to Pages 7-10 for Orientation Options.*
**Please refer to Page 5 for Electric Heat Options.*

Plan Designation	Quantity	Model	Description	Page
		Select Model	Comfort Pack Flex R454B, 2.5 T Cooling, 15kW Heat, Right Hand Return Front Access, 208-230/1/60, 13.5 SEER2	
		Select Model	Comfort Pack Flex R454B, 2.5 T Cooling, 15kW Heat, Right Hand Return Front Access, 208-230/1/60, 13.5 SEER2	**10**
		Select Model	Comfort Pack Flex R454B, 2.5 T Cooling, 15kW Heat, Right Hand Return Front Access, 208-230/1/60, 13.5 SEER2	**10**
		Select Model	Comfort Pack Flex R454B, 2.5 T Cooling, 15kW Heat, Right Hand Return Front Access, 208-230/1/60, 13.5 SEER2	**10**
		Select Model	Comfort Pack Flex R454B, 2.5 T Cooling, 15kW Heat, Right Hand Return Front Access, 208-230/1/60, 13.5 SEER2	**10**
		Select Model	Comfort Pack Flex R454B, 2.5 T Cooling, 15kW Heat, Right Hand Return Front Access, 208-230/1/60, 13.5 SEER2	**10**
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		Select Model	Comfort Pack Flex R454B, 2.5 T Cooling, 15kW Heat, Right Hand Return Front Access, 208-230/1/60, 13.5 SEER2	**10**

COMFORT PACK Flex

Project:

Heat Kit Options - For Field Installation

Plan Designation	Quantity	Option	Description	Page
		CPEHK-03-A	3 kW Electric Heat Kit	5
		CPEHK-05-A	5 kW Electric Heat Kit	5
		CPEHK-07-A	7 kW Electric Heat Kit	5
		CPEHK-10-A	10 kW Electric Heat Kit	5
		CPEHK-15-A	15 kW Electric Heat Kit	5

Unit Orientation Options

Option	Description	Page
K	Front Return Left Hand Access	7
F	Front Return Right Hand Access	8
L	Left Hand Return Front Access	9
R	Right Hand Return Front Access	10

Wall Sleeve & Louver Options

Plan Designation	Quantity	Model	Description	Page
		FCWS-06	Comfort Pack Flex 6" Deep Wall Sleeve	12
		FCWS-08	Comfort Pack Flex 8" Deep Wall Sleeve	12
		FCWS-10	Comfort Pack Flex 10" Deep Wall Sleeve	12
		FCWS-12	Comfort Pack Flex 12" Deep Wall Sleeve	12
		FCLG	Comfort Pack Flex Architectural Louver Grille for Sleeve	13
		FCLG-P	Comfort Pack Flex Architectural Louver Grille Sleeve Painted	13

COMFORT PACK Flex

Project:

Performance Data

Cooling Data - Up to 14.3 SEER2						
Model	Nominal Tonnage	Rated Capacity[1] (Btu/h)	Rated EER2	Nominal Airflow (SCFM)[2]	Refrigerant Charge (Oz.)	SEER2
FCH51800*A-A	1.5	18,000	12	630	69	14.3
FCH52400*A-A	2.0	24,000	12	810	69	14.0
FCH53000*A-A	2.5	28,400	11.5	940	85	13.5

1. The cooling capacity are based of outdoor condition at 95°F DB and indoor condition at 80°F DB, 67°F WB
2. The nominal Airflow values are from factory speed settings of the blower at 0.3" ESP.

Heating Data - 7.5 HSPF2									
Model	Nominal Tonnage	Rated Capacity (47°F)(Btu/h)	Rated COP2	Rated Capacity (35°F)(Btu/h)	Rated COP2	Rated Capacity (17°F)(Btu/h)	Rated COP2	Rated Capacity (5°F)(Btu/h)	Rated COP2
FCH51800*A-A	1.5	17,000	3.5	13,000	2.8	9,800	2.2	8,000	1.7
FCH52400*A-A	2.0	23,000		17,800		14,600		11,000	
FCH53000*A-A	2.5	27,000		20,400		15,800		13,400	

Electric Heat Kit Information								
Model	Nominal Tonnage	Heat Kit[1]	Heat Btu/h		Heating kW		Heating Amps	
			208V	230V	208V	230V	208V	230V
FCH51800*A-A	1.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		CPEHK03	8,900	10,900	2.61	3.19	12.54	13.89
		CPEHK05	13,100	16,000	3.84	4.69	18.45	20.39
		CPEHK07	18,300	22,400	5.36	6.56	25.78	28.54
		CPEHK10	26,000	32,000	7.62	9.38	36.63	40.77
		CPEHK15	39,000	48,000	11.43	14.06	54.94	61.15
FCH52400*A-A	2.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		CPEHK03	8,900	10,900	2.61	3.19	12.54	13.89
		CPEHK05	13,100	16,000	3.84	4.69	18.45	20.39
		CPEHK07	18,300	22,400	5.36	6.56	25.78	28.54
		CPEHK10	26,000	32,000	7.62	9.38	36.63	40.77
		CPEHK15	39,000	48,000	11.43	14.06	54.94	61.15
FCH53000*A-A	2.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		CPEHK03	8,900	10,900	2.61	3.19	12.54	13.89
		CPEHK05	13,100	16,000	3.84	4.69	18.45	20.39
		CPEHK07	18,300	22,400	5.36	6.56	25.78	28.54
		CPEHK10	26,000	32,000	7.62	9.38	36.63	40.77
		CPEHK15	39,000	48,000	11.43	14.06	54.94	61.15

1. The Packaged heat pump comes with no electric from factory. Field installation electric heat kits are available to order separately.

All specifications are subject to change without notice.

COMFORT PACK Flex

Project:

Electrical Data

All units have a Voltage of 208/230-1-60													
Model	Auxilary Heat Kit	Compressor		Condenser Motor		Blower		Total Amps		MCA		MOP	
		RLA	LRA	HP	FLA	HP	FLA	208V	230V	208V	230V	208V	230V
FCH51800*A-A	N/A	7.2	47	1/4	2.0	1/2	3.8	13.0	13.0	14.8	14.8	20	20
	CPEHK03							16.4	17.7	20.5	22.1	25	25
	CPEHK05							22.2	24.2	27.8	30.2	30	35
	CPEHK07							29.6	32.4	37.0	40.5	40	45
	CPEHK10							40.5	44.5	50.7	55.6	60	60
	CPEHK15							38.8	42.6	49.1	54.0	50	60
								20.4	22.3	24.6	27.0	25	30
FCH52400*A-A	N/A	9.0	63	1/4	2.0	1/2	3.8	14.8	14.8	17.1	17.1	25	25
	CPEHK03							16.4	17.7	20.5	22.1	25	25
	CPEHK05							22.2	24.2	27.8	30.2	30	35
	CPEHK07							29.6	32.4	37.0	40.5	40	45
	CPEHK10							40.5	44.5	50.7	55.6	60	60
	CPEHK15							38.8	42.6	49.1	54.0	50	60
								20.4	22.3	24.6	27.0	25	30
FCH53000*A-A	N/A	12.5	67	1/4	2.0	1/2	3.8	18.3	18.3	21.4	21.4	30	30
	CPEHK03							30.9	32.2	21.4	22.1	30	30
	CPEHK05							36.7	38.7	27.8	30.2	30	35
	CPEHK07							44.1	46.9	37.0	40.5	40	45
	CPEHK10							55.0	59.0	50.7	55.6	60	60
	CPEHK15							49.0	52.8	49.1	54.0	50	60
								24.5	26.4	24.6	27.0	25	30

All specifications are subject to change without notice.

COMFORT PACK Flex

Project:

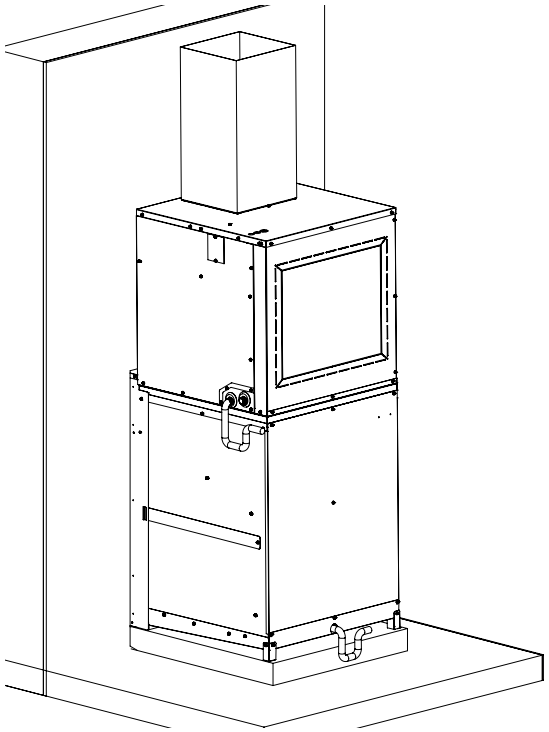
Air Flow Data

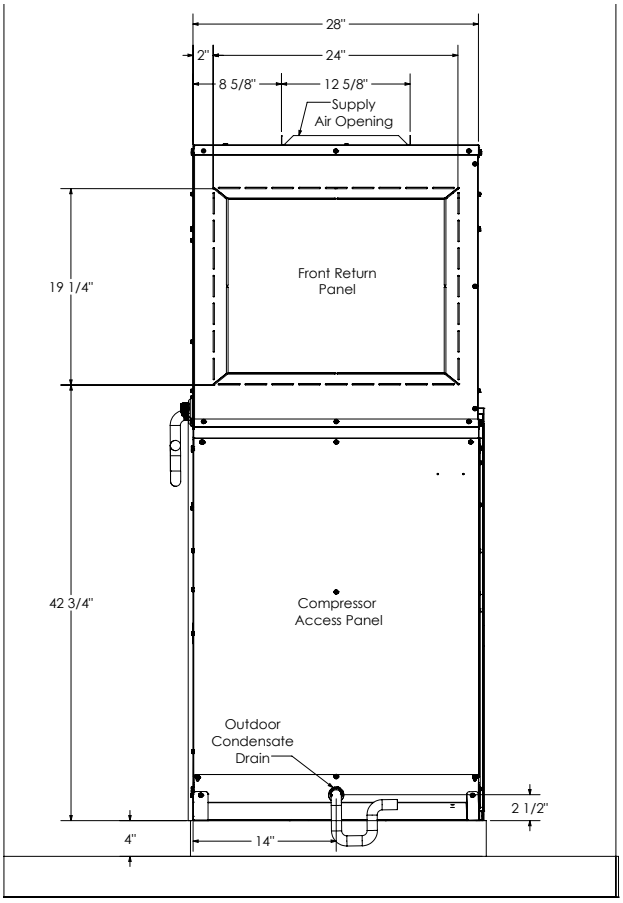
Model	Blower Speeds	ESP (in. wc) / SCFM1				
		0.1	0.2	0.3	0.4	0.5
FCH51800*A-A FCH52400*A-A FCH53000*A-A	Orange (low)	675	624	563	493	414
	Black (Med. Low)	719	648	588	539	501
	Blue (Med.)	905	862	819	775	731
	Yellow (Med. High)	1006	946	924	886	849
	Red (High)	1042	998	959	924	893

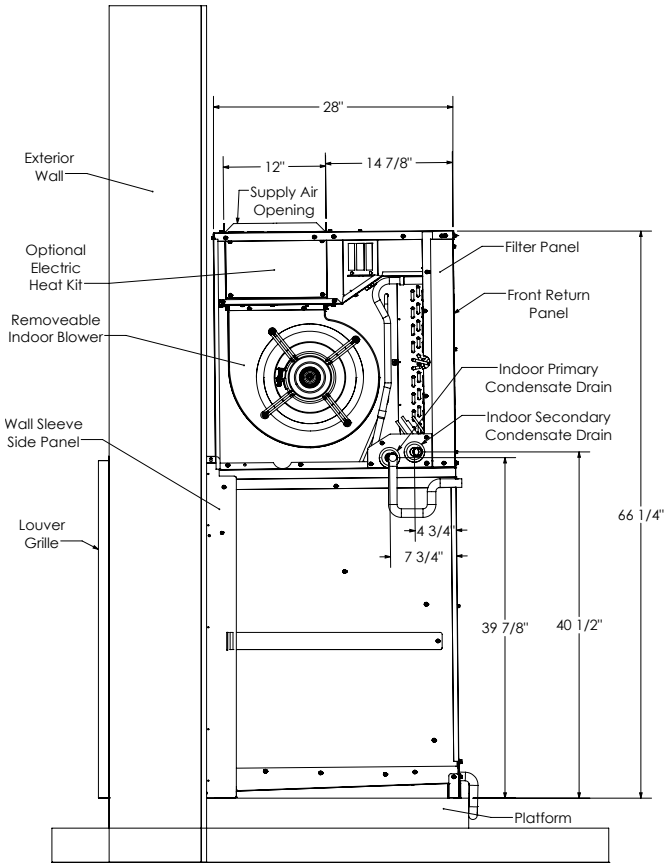
Project:

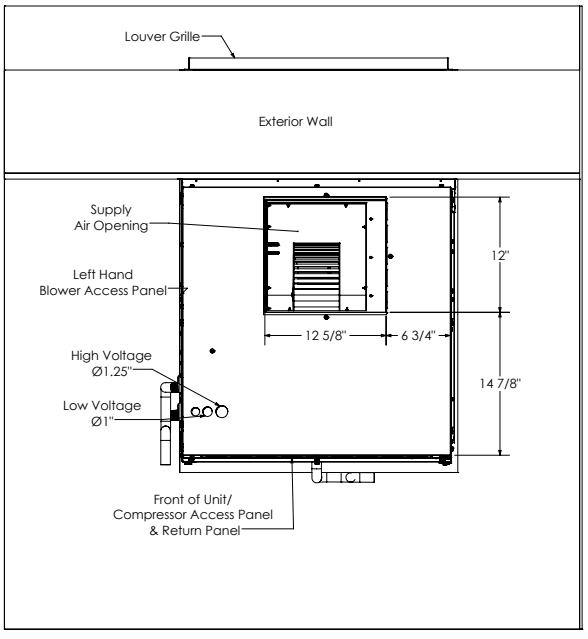
Comfort Pack *Flex* with Option K

Option K: Front Return Left Hand Access





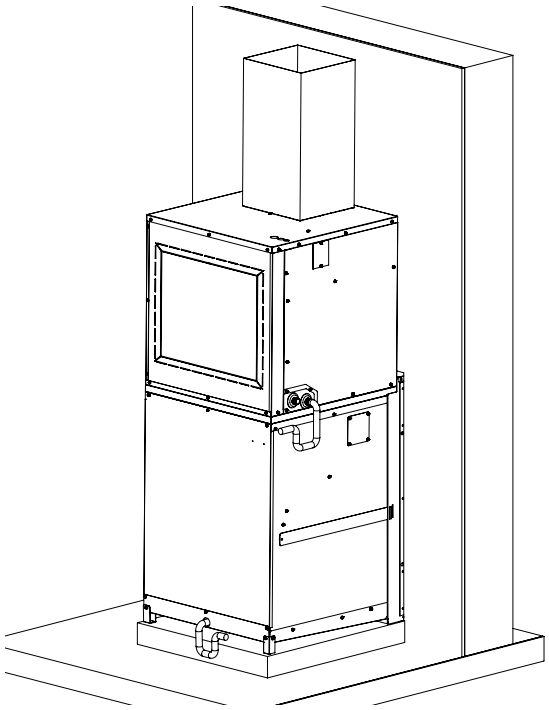


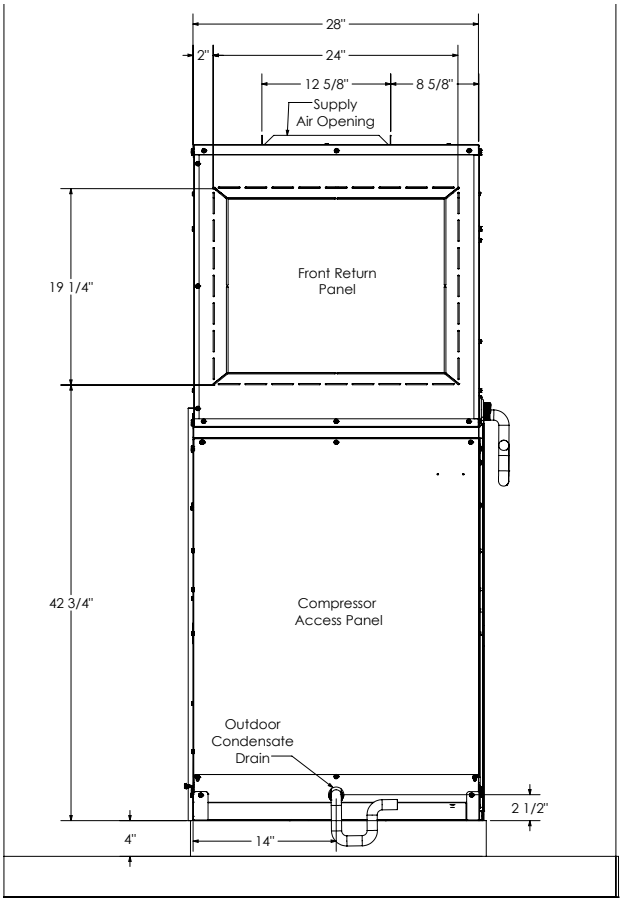


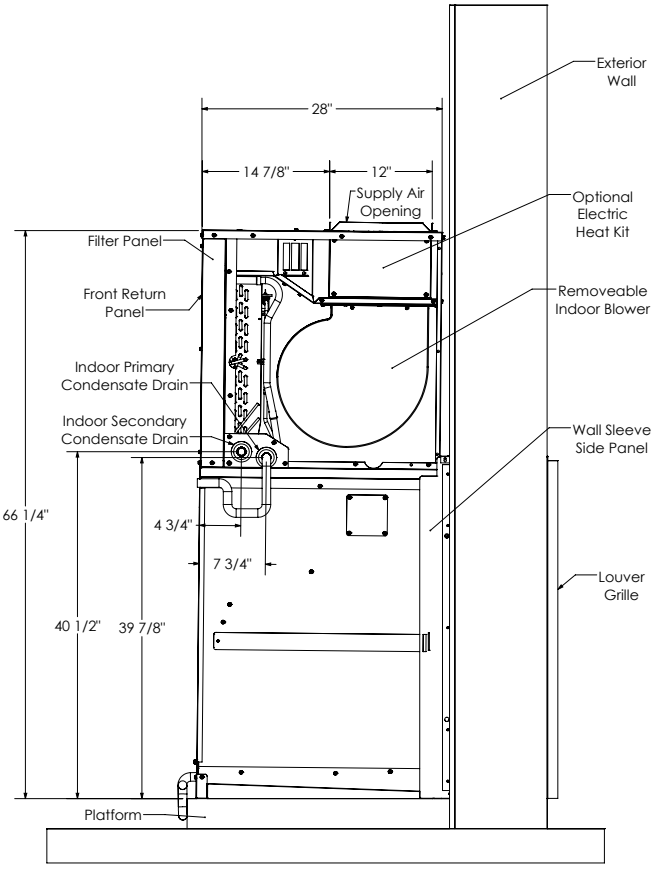
Project:

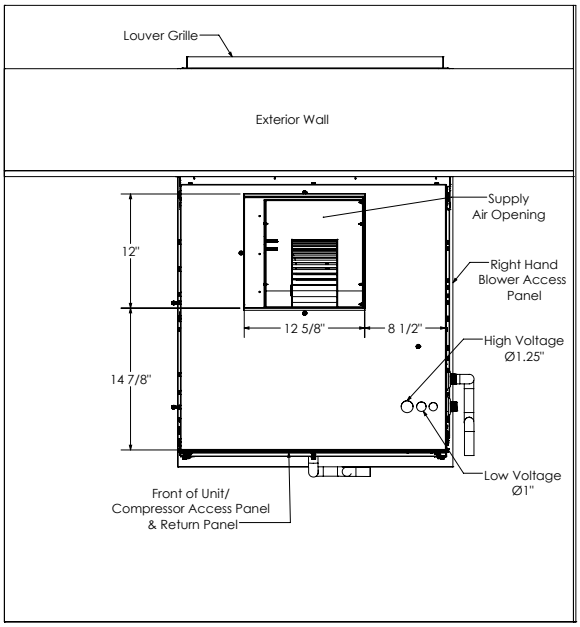
Comfort Pack *Flex* with Option F

Option F: Front Return Right Hand Access





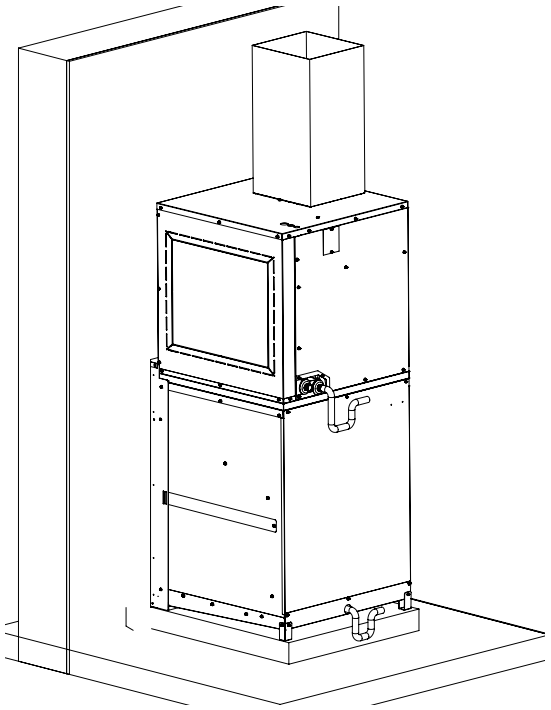


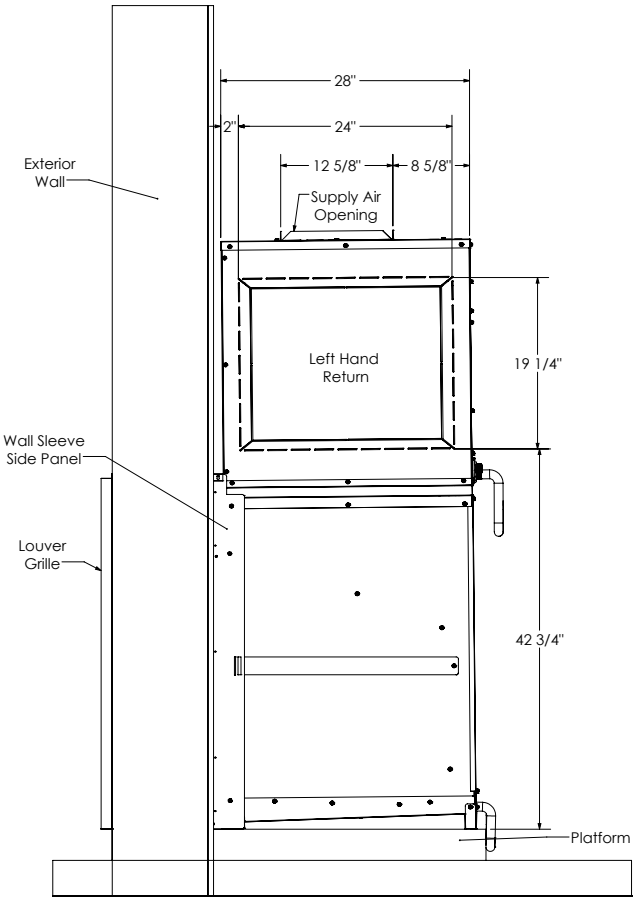


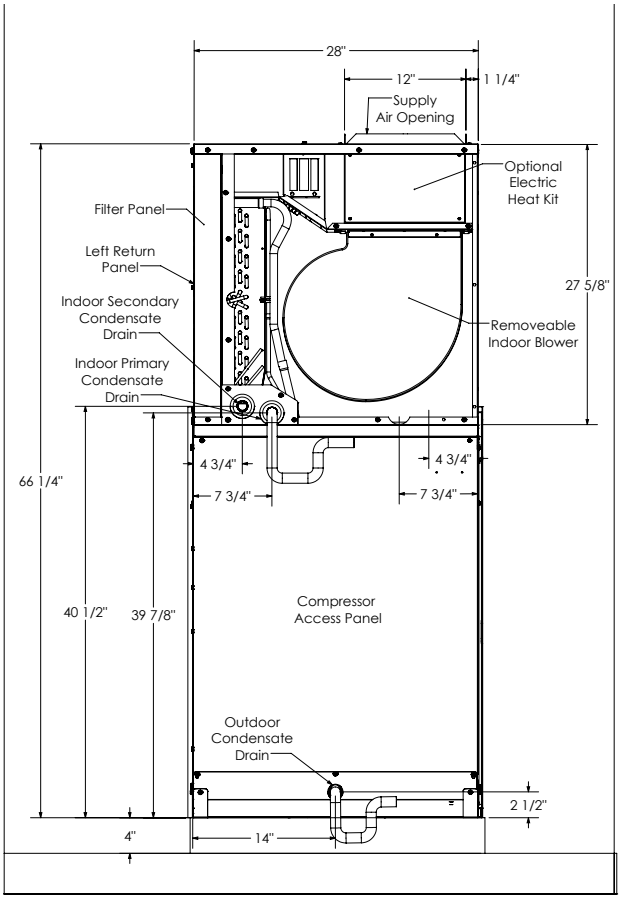
Project:

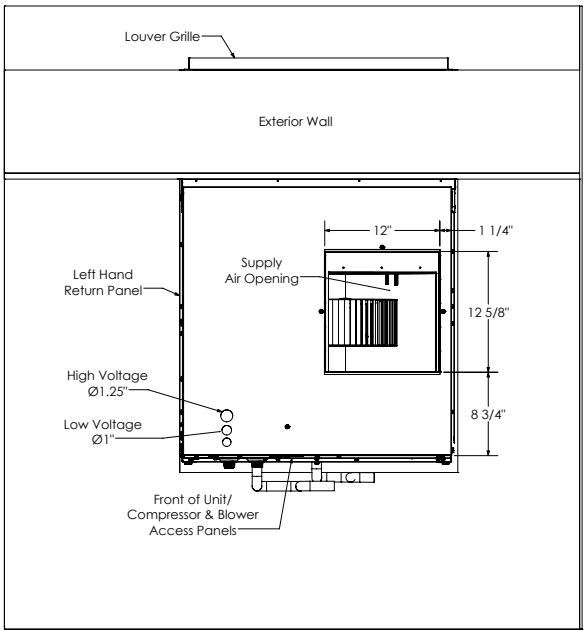
Comfort Pack *Flex* with Option L

Option L : Left Hand Return Front Access





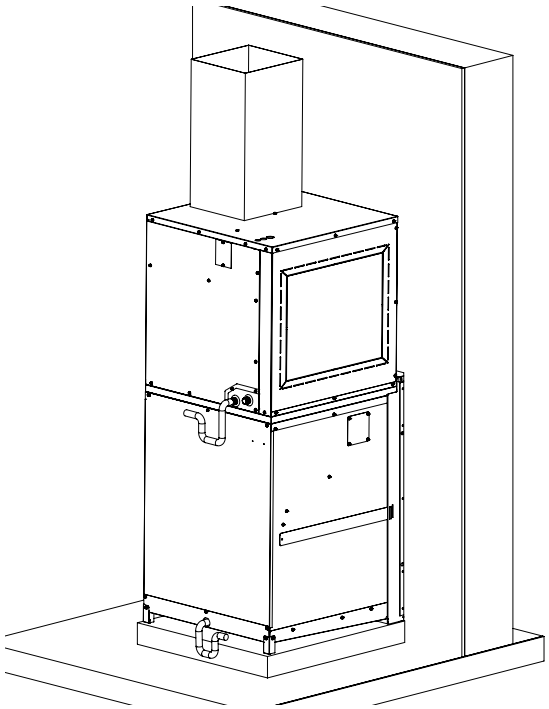


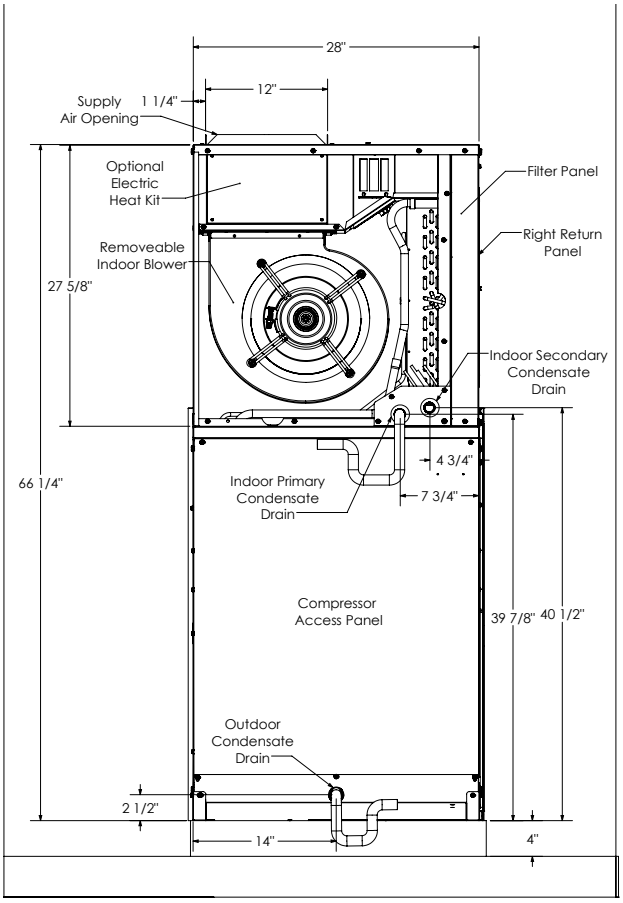


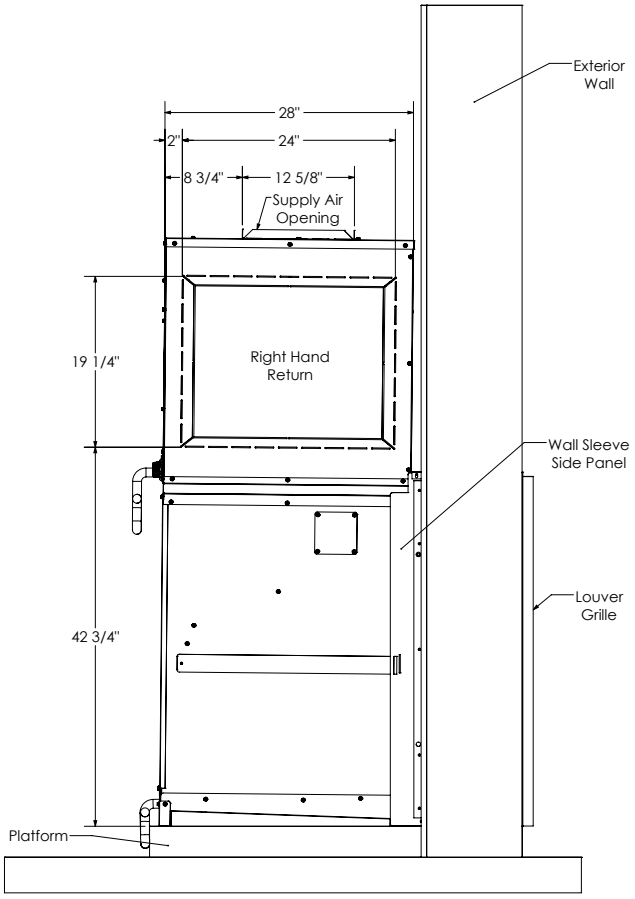
Project:

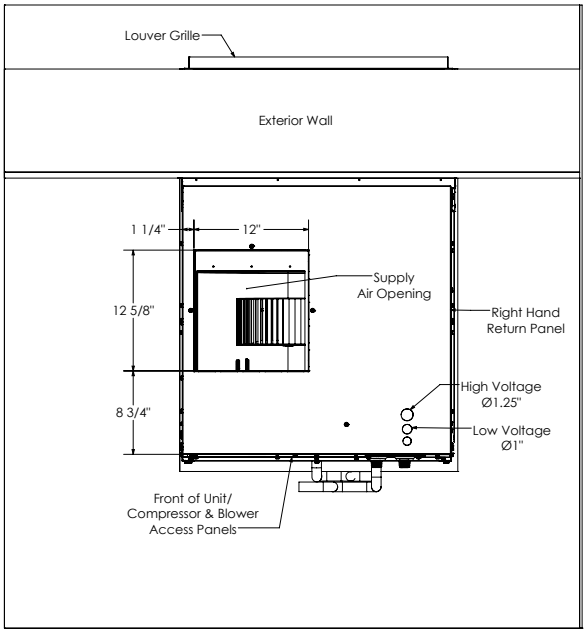
Comfort Pack *Flex* with Option R

Option R : Right Hand Return Front Access





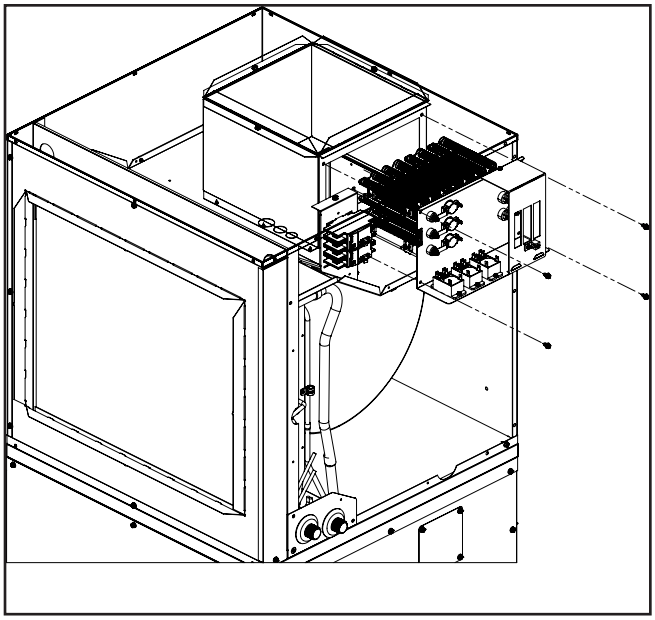


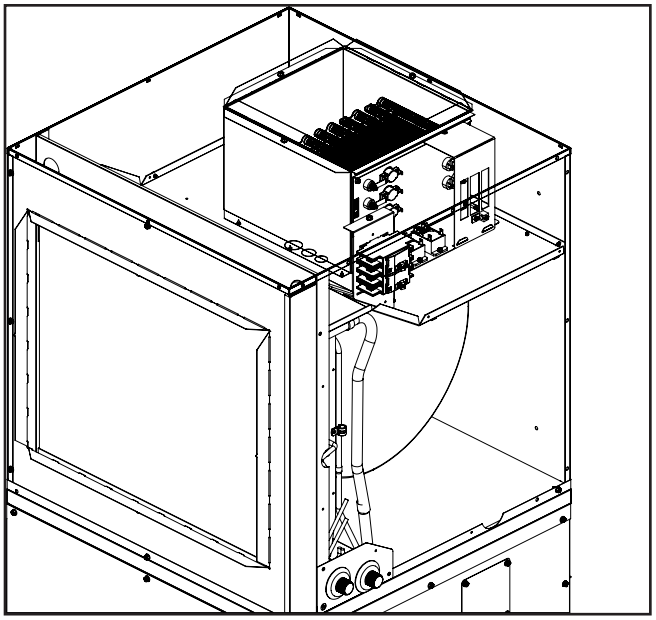


COMFORT PACK Flex

Project:

Electric Heat Kits





NOTE: Field Installed Heat Kit (15kW shown)

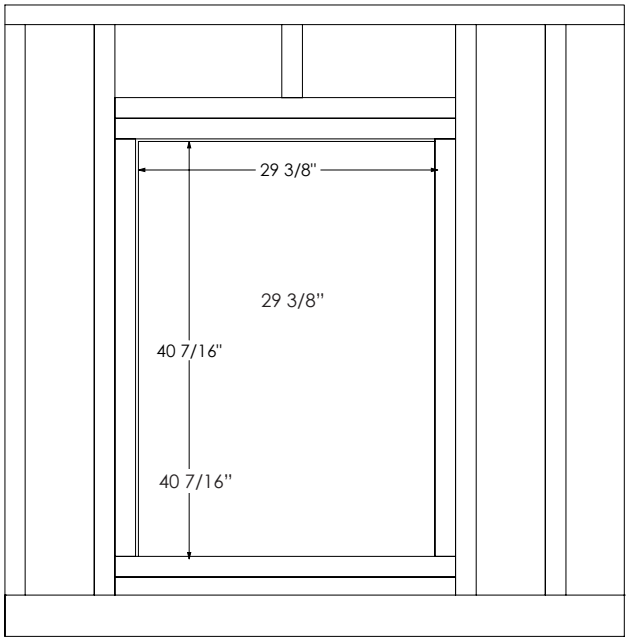
COMFORT PACK Flex

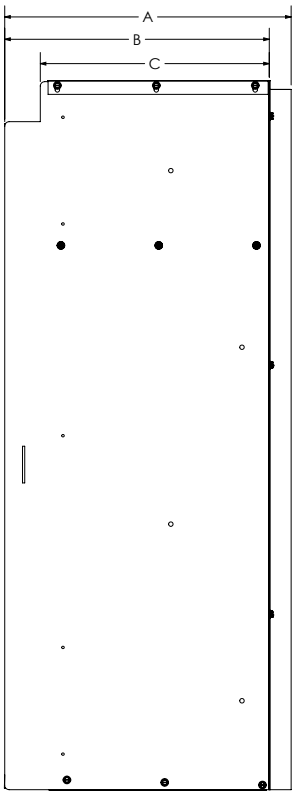
Project:

Wall Sleeve

FCWS

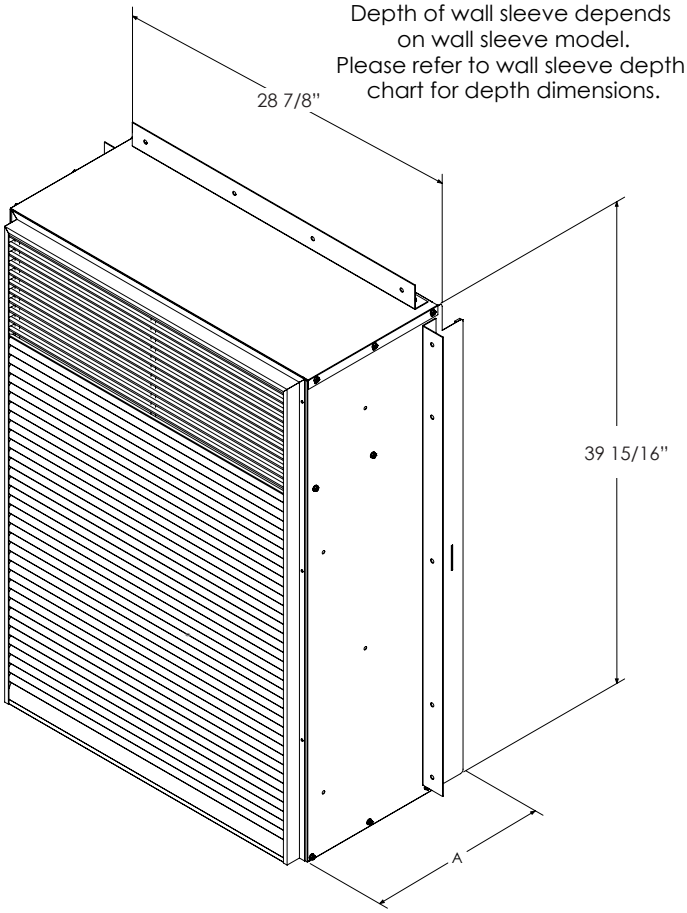
Rough In Dimensions





Actual Wall Sleeve Dimensions

Depth of wall sleeve depends on wall sleeve model. Please refer to wall sleeve depth chart for depth dimensions.

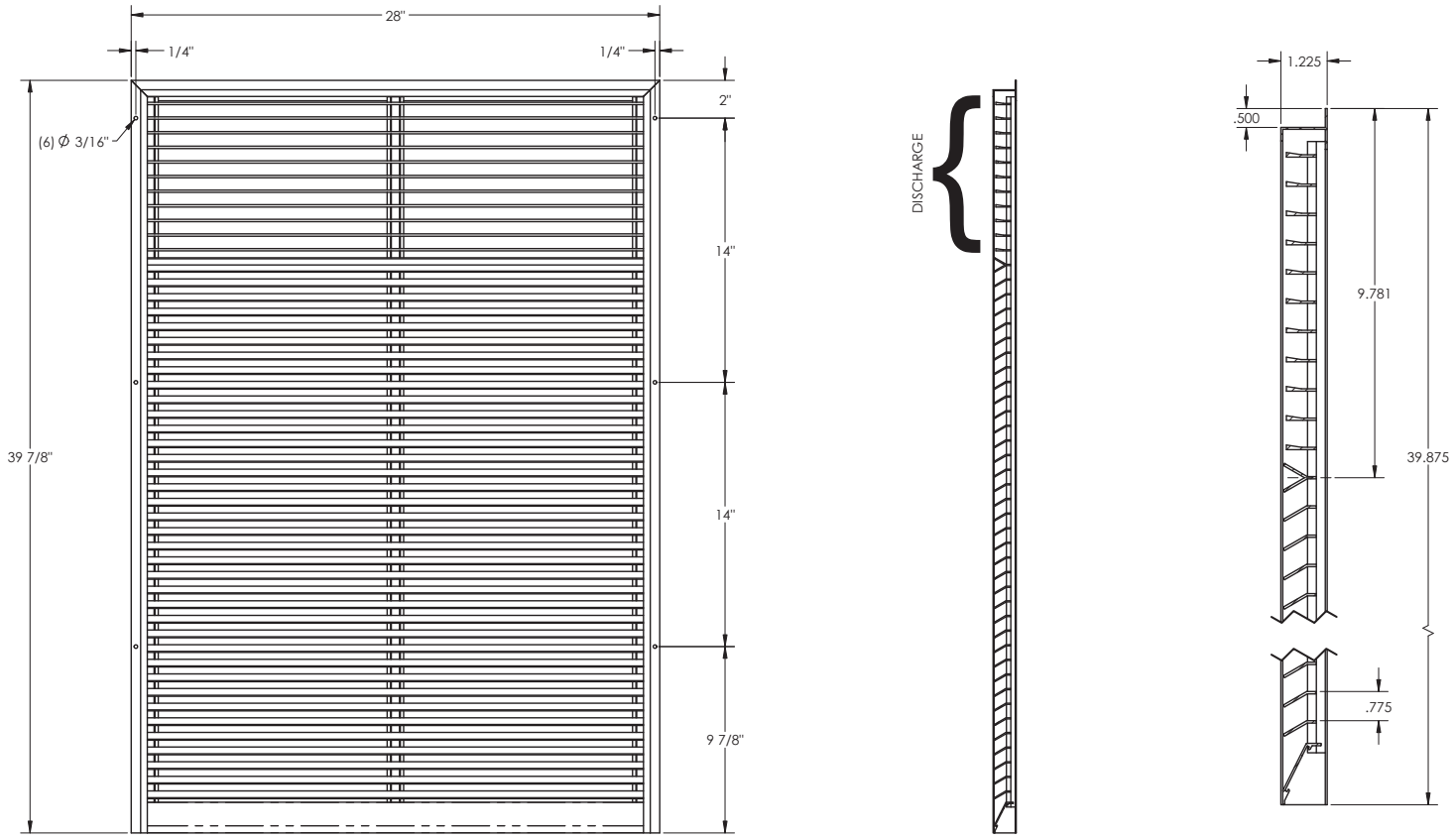


Wall Sleeve Option	A	B	C
12"	16 1/8"	14 7/8"	12 7/8"
10"	14 1/8"	12 7/8"	10 7/8"
8"	12 1/8"	10 7/8"	8 7/8"
6"	10 1/8"	8 7/8"	6 7/8"

Project:

Comfort Pack Flex
Architectural Louver (Sleeve Mounted)

FCLG (anodized aluminum finish)
FCLG-P (painted finish)



The Architectural Louvers available in anodized aluminum or a painted baked enamel finish. These Louvers are sleeve mounted and recommended to be installed during the installation of the FCHWS. (See page 12)

Notes

National Comfort Products
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5 YEAR WARRANTY ON PARTS

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