

Thru-the-Wall Heating & Cooling Comfort For Multi-Family Construction

**Condensing Units
Heat Pumps
Air Handlers
Submittal Data**

For Approval

Project:

Purchaser:

Date:

National Comfort Products[®]

A Division of National Refrigeration & Air Conditioning Products, Inc.

539 Dunksferry Road • Bensalem, PA 19020 • (215) 244-1400 • **1-800-523-7138** • Fax: (215) 639-1674

Condensing Units NCPE Models

Plan Designation	Quantity	Model	Description	Page
		NCPE-418-1010 /D	1000 Series R4104 1.5 ton, Thru-the-Wall 208-230/1/60 13 SEER	5
		NCPE-424-1010 /D	1000 Series R4104 2.0 ton, Thru-the-Wall 208-230/1/60 12.50 SEER	5
		NCPE-430-1010 /D	1000 Series R4104 2.5 ton, Thru-the-Wall 208-230/1/60 12.50 SEER	5
		NCPE-418-3010 /D	3000 Series R4104 1.5 ton, Thru-the-Wall 208-230/1/60 13 SEER	6
		NCPE-424-3010 /D	3000 Series R4104 2.0 ton, Thru-the-Wall 208-230/1/60 13 SEER	6
		NCPE-430-3010 /D	3000 Series R4104 2.5 ton, Thru-the-Wall 208-230/1/60 12 SEER	6
		NCPE-418-4010 /D	4000 Series R4104 1.5 ton, Thru-the-Wall 208-230/1/60 13 SEER	7
		NCPE-424-4010 /D	4000 Series R4104 2.0 ton, Thru-the-Wall 208-230/1/60 12.50 SEER	7
		NCPE-430-4010 /D	4000 Series R4104 2.5 ton, Thru-the-Wall 208-230/1/60 12 SEER	7
		NCPE-418-5010	5000 Series R4104 1.5 ton, Thru-the-Wall 208-230/1/60 14 SEER	8
		NCPE-424-5010	5000 Series R4104 2.0 ton, Thru-the-Wall 208-230/1/60 14 SEER	8
		NCPE-430-5010	5000 Series R4104 2.5 ton, Thru-the-Wall 208-230/1/60 14 SEER	8

Heat Pump NHPA Models

Plan Designation	Quantity	Model	Description	Page
		NHPA-418-3019	3000 Series R410A 1.5 ton, Thru-the-Wall Heat Pump 208-230/1/60 12 SEER 7.4HSPF	9
		NHPA-424-3019	3000 Series R410A 2.0 ton, Thru-the-Wall Heat Pump 208-230/1/60 12 SEER 7.4HSPF	9
		NHPA-418-5019	5000 Series R410A 1.5 ton, Thru-the-Wall Heat Pump 208-230/1/60 13 SEER 7.6HSPF	10
		NHPA-424-5019	3000 Series R410A 2.0 ton, Thru-the-Wall Heat Pump 208-230/1/60 13 SEER 7.6HSPF	10
		NHPA-430-5019	3000 Series R410A 2.5 ton, Thru-the-Wall Heat Pump 208-230/1/60 13 SEER 7.6HSPF	10

Apartment Air Handler NCPAH-A Series Models

Plan Designation	Quantity	Model	Description	Page
		NCPAH-24-A	Apartment Air Handler 208/230/1/60	11
		NCPAH-36-A	Apartment Air Handler 208/230/1/60	11

Multi-Position Air Handler NCPAH-M Series Models

Plan Designation	Quantity	Model	Description	Page
		NCPAH-24-M	Multi-Position Air Handler 208/230/1/60	12
		NCPAH-36-M	Multi-Position Air Handler 208/230/1/60	12

Ceiling Mount Air Handler NCPAH-P Series Models

Plan Designation	Quantity	Model	Description	Page
		NCPAH-24-P	Ceiling Mount Air Handler 208/230/1/60	13
		NCPAH-36-P	CeilingMount Air Handler 208/230/1/60	13

Options

Plan Designation	Quantity	Part No.	Description	Page
		1000-WSD-12	Wall Sleeve, Dimensions 26 $\frac{7}{8}$ " W x 29 $\frac{5}{8}$ " H Rough in at 27 $\frac{3}{8}$ " W x 30 $\frac{1}{8}$ " H	14
		3000-WSD-12	Wall Sleeve, 24 $\frac{7}{8}$ " W x 33" H Rough in at 25 $\frac{5}{8}$ " W x 33 $\frac{1}{2}$ " H	14
		4000-WSD-12	Wall Sleeve, 30 $\frac{5}{8}$ " W x 24" H Rough in at 31 $\frac{1}{8}$ " W x 24 $\frac{1}{2}$ " H	14
		5000-WSD-12	Wall Sleeve, 28" W x 39 $\frac{7}{8}$ " H Rough in at 28 $\frac{1}{2}$ " W x 40 $\frac{3}{8}$ " H	14
		14269035	1000 Series Anodized Aluminum Architectural Louver Grille	15
		14269036	3000 Series Anodized Aluminum Architectural Louver Grille	15
		14269037	4000 Series Anodized Aluminum Architectural Louver Grille	16
		14269038	5000 Series Anodized Aluminum Architectural Louver Grille	16
		14269035-P	1000 Series Painted Architectural Louver Grille	15
		14269036-P	3000 Series Painted Architectural Louver Grille	15
		14269037-P	4000 Series Painted Architectural Louver Grille	16
		14269038-P	5000 Series Painted Architectural Louver Grille	16
		14269035-S	1000 Series Anodized Aluminum Architectural Louver Grille to fit sleeve	17
		14269036-S	3000 Series Anodized Aluminum Architectural Louver Grille to fit sleeve	17
		14269037-S	4000 Series Anodized Aluminum Architectural Louver Grille to fit sleeve	18
		14269038-S	5000 Series Anodized Aluminum Architectural Louver Grille to fit sleeve	18
		14269035-SP	1000 Series Painted Architectural Louver Grille to fit sleeve	17
		14269036-SP	3000 Series Painted Architectural Louver Grille to fit sleeve	17
		14269037-SP	4000 Series Painted Architectural Louver Grille to fit sleeve	18
		14269038-SP	5000 Series Painted Architectural Louver Grille to fit sleeve	18

NCPE 1000 SERIES-Condensing Unit

Performance Data

Models (circle D for Deluxe NY)	Rated Cooling/Heating Outputs (BTUs per hour)	Dimensions	Efficiency Ratings	Shipping Weight
NCPE-418-1010 /D	18,000	26 1/4" x 28 5/8" x 18 1/2"	13 SEER*	180 lbs
NCPE-424-1010 /D	23,000	26 1/2" x 28 5/8" x 18 1/2"	12.50 SEER*	180 lbs
NCPE-430-1010 /D	27,200	26 1/2" x 28 5/8" x 18 1/2"	12.50 SEER*	180 lbs

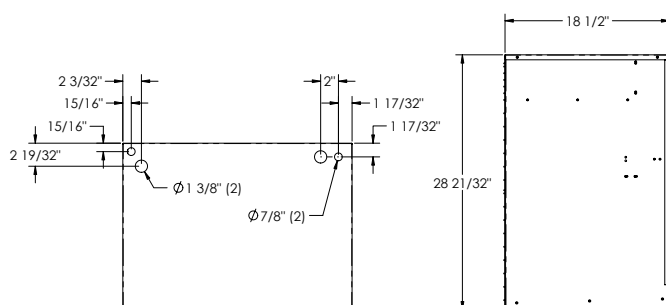
*when matched with NCPAH-M Series Air Handlers

Electrical Data

All units 208/230/1 AC 60HZ

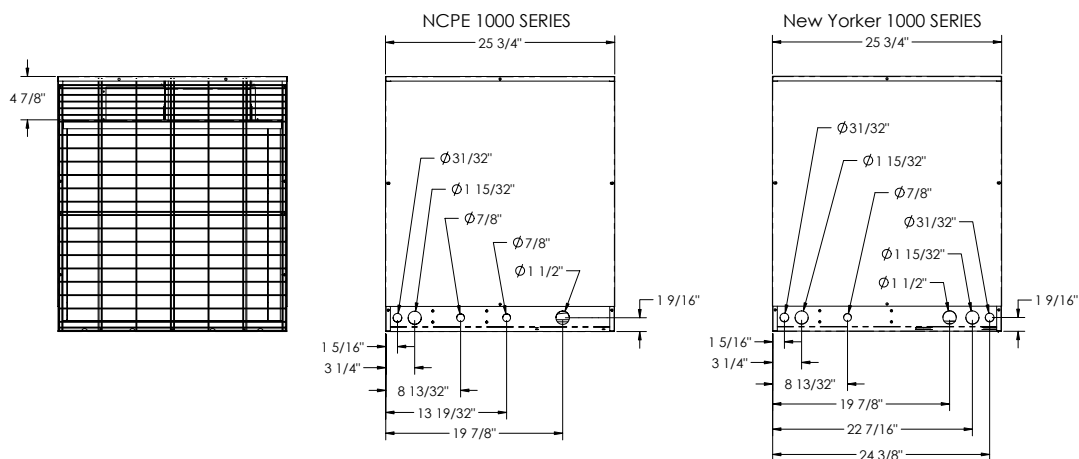
Evap. Blower Motor 1/3 HP 3.0 FLA - Cond. Fan Motor 1/4 HP 1.8 FLA 3.6 LRA

Models	Compressor		Minimum AWG Wire	Minimum Circuit Amps	Maximum Fuse
	RLA	LRA			
NCPE-418-1010 /D	9.0	56.3	12	13	20
NCPE-424-1010 /D	10.9	62.9	10	15.3	25
NCPE-430-1010 /D	12.8	67.8	10	17.75	30



Included with /D New Yorker

- Crankcase Heater
- Compressor Sound Cover
- Sound Proofing Material
- Start Device
- Low Ambient Speed Control
- Time Delay



Project:

NCPE 3000 SERIES-Condensing Unit

Performance Data

Models (circle D for Deluxe NY)	Rated Cooling/Heating Outputs (BTUs per hour)	Dimensions	Efficiency Ratings	Shipping Weight
NCPE-418-3010 /D	18,000	24 $\frac{1}{8}$ " x 32" x 18 $\frac{1}{2}$ "	13 SEER*	180 lbs
NCPE-424-3010 /D	23,000	24 $\frac{1}{8}$ " x 32" x 18 $\frac{1}{2}$ "	13 SEER*	180 lbs
NCPE-430-3010 /D	27,000	24 $\frac{1}{8}$ " x 32" x 18 $\frac{1}{2}$ "	12 SEER*	180 lbs

*when matched with NCPAH-M Series Air Handlers

Electrical Data

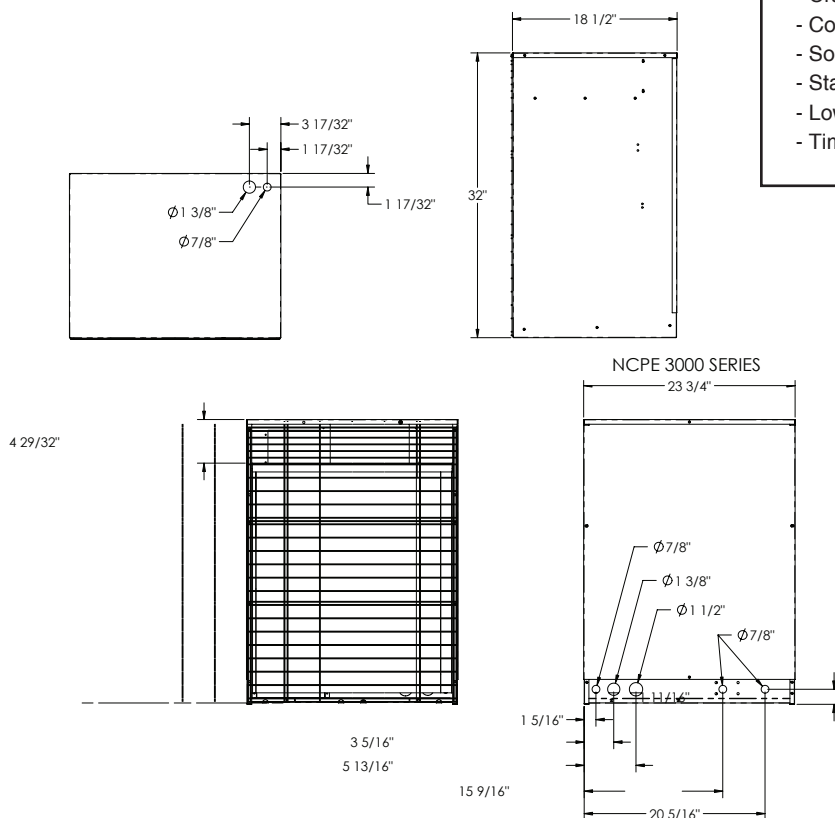
All units 208/230/1 AC 60HZ

Evap. Blower Motor 1/3 HP 3.0 FLA - Cond. Fan Motor 1/4 HP 1.8 FLA 3.6 LRA

Models	Compressor		Minimum AWG Wire	Minimum Circuit Amps	Maximum Fuse
	RLA	LRA			
NCPE-418-3010 /D	9.0	56.3	12	13	20
NCPE-424-3010 /D	10.9	62.9	10	15.3	25
NCPE-430-3010 /D	12.8	72.5	10	17.75	30

Included with /D New Yorker

- Crankcase Heater
- Compressor Sound Cover
- Sound Proofing Material
- Start Device
- Low Ambient Speed Control
- Time Delay



NCPE 4000 SERIES-Condensing Unit

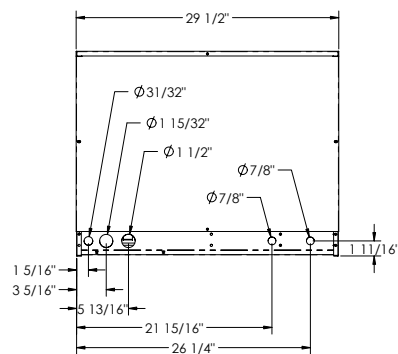
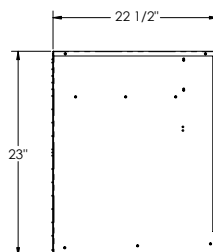
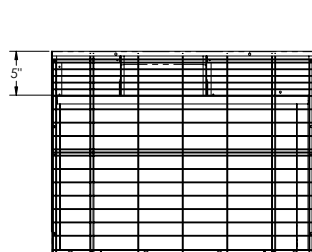
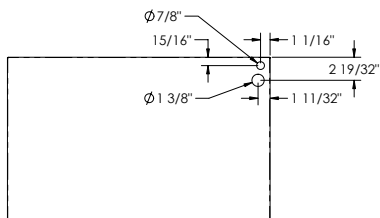
Performance Data				
Models (circle D for Deluxe NY)	Rated Cooling/Heating Outputs (BTUs per hour)	Dimensions	Efficiency Ratings	Shipping Weight
NCPE-418-4010 /D	18,000	30" x 23" x 22½"	13 SEER*	180 lbs
NCPE-424-4010 /D	23,000	30" x 23" x 22½"	12.50 SEER*	180 lbs
NCPE-430-4010 /D	27,200	30" x 23" x 22½"	12 SEER*	180 lbs

*when matched with NCPAH-M Series Air Handlers

Electrical Data					
All units 208/230/1 AC 60HZ					
Evap. Blower Motor 1/3 HP 3.0 FLA - Cond. Fan Motor 1/4 HP 1.8 FLA 3.6 LRA					
Models	Compressor		Minimum AWG Wire	Minimum Circuit Amps	Maximum Fuse
	RLA	LRA			
NCPE-418-4010 /D	9.0	56.3	12	13	20
NCPE-424-4010 /D	10.9	62.9	10	15.3	25
NCPE-430-4010 /D	12.8	67.8	10	17.75	30

Included with /D New Yorker

- Crankcase Heater
- Compressor Sound Cover
- Sound Proofing Material
- Start Device
- Low Ambient Speed Control
- Time Delay



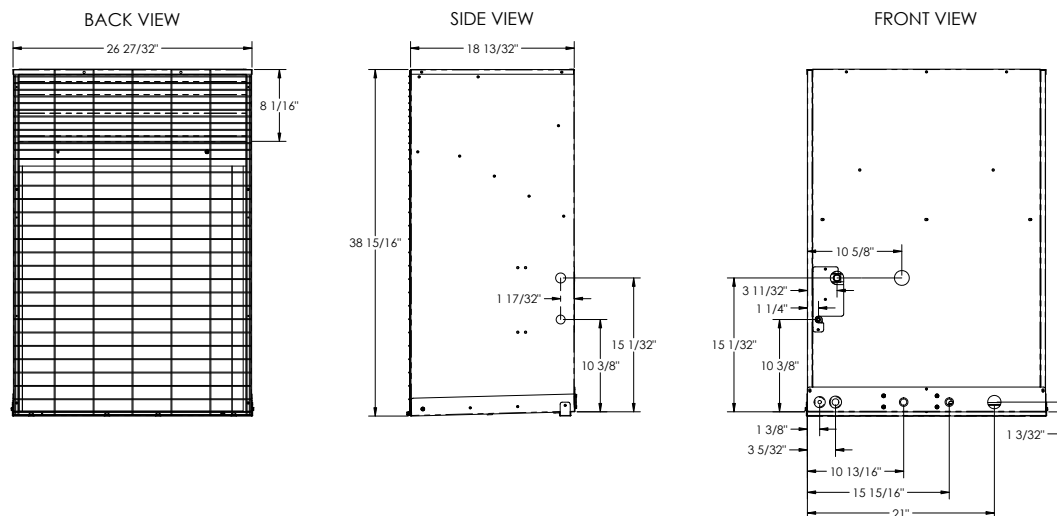
Project:

NCPE 5000 SERIES-Condensing Unit

Performance Data				
Models (circle D for Deluxe NY)	Rated Cooling/Heating Outputs (BTUs per hour)	Dimensions	Efficiency Ratings	Shipping Weight
NCPE-418-5010	18,400	26 ⁷ / ₈ " x 38 ⁷ / ₈ " x 18 ¹ / ₂ "	14 SEER*	180 lbs
NCPE-424-5010	24,200	26 ⁷ / ₈ " x 38 ⁷ / ₈ " x 18 ¹ / ₂ "	14 SEER*	180 lbs
NCPE-430-5010	28,400	26 ⁷ / ₈ " x 38 ⁷ / ₈ " x 18 ¹ / ₂ "	14 SEER*	180 lbs

*Up to 14 SEER when matched with NCPAH-M Series Air Handlers

Electrical Data - NCPE Models					
All units 208/230/1 AC 60HZ					
Evap. Blower Motor 1/3 HP 3.0 FLA - Cond. Fan Motor 1/4 HP 1.8 FLA 3.6 LRA					
Models	Compressor		Minimum AWG Wire	Minimum Circuit Amps	Maximum Fuse
	RLA	LRA			
NCPE-418-5010	9.0	56.3	12	13.47	20
NCPE-424-5010	10.3	61.6	12	15.13	20
NCPE-430-5010	13.50	72.5	10	19.08	30

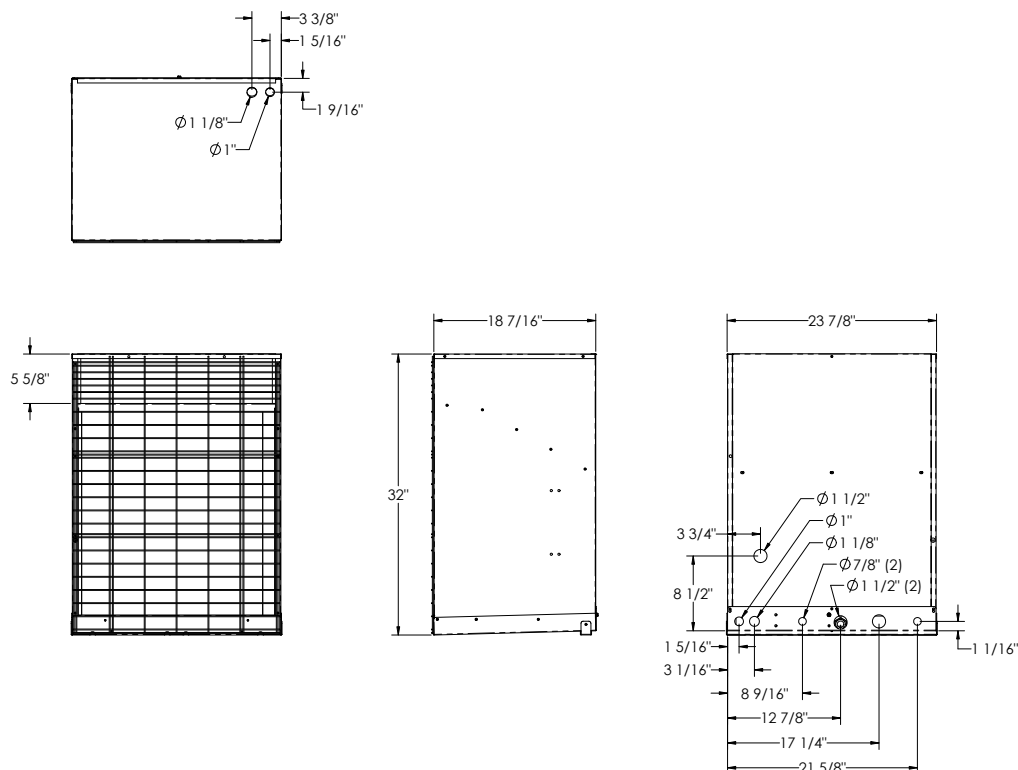


Project:

NHPA 3000 SERIES-Heat Pump

Performance Data					
Models	Rated Cooling Outputs (BTUs per hour)	Rated Heating Outputs (BTUs per hour)	Dimensions	Efficiency Ratings	Shipping Weight
NHPA-418-3019	18,000	@ 47°F - 16,100	24 $\frac{1}{8}$ " x 32" x 18 $\frac{1}{2}$ "	12 SEER 7.4 HSPF	180 lbs
		@ 35°F - 13,300			
		@ 17°F - 9,900			
NHPA-424-3019	23,000	@ 47°F - 19,000	24 $\frac{1}{8}$ " x 32" x 18 $\frac{1}{2}$ "	12 SEER 7.4 HSPF	180 lbs
		@ 35°F - 15,200			
		@ 17°F - 11,400			

Electrical Data					
All units 208/230/1 AC 60HZ					
Evap. Blower Motor 1/3 HP 3.0 FLA - Cond. Fan Motor 1/4 HP 1.8 FLA 3.6 LRA					
Models	Compressor		Minimum AWG Wire	Minimum Circuit Amps	Maximum Fuse
	RLA	LRA			
NHPA-418-3019	9.0	56.3	12	13.78	20
NHPA-424-3019	10.9	62.9	10	16.8	25

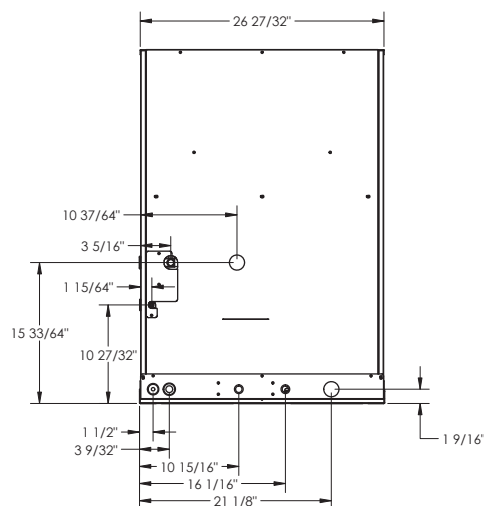
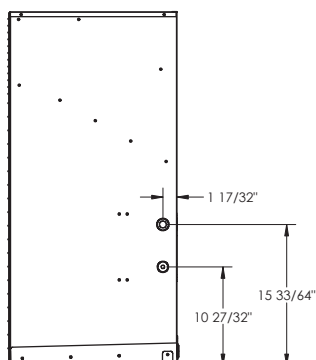
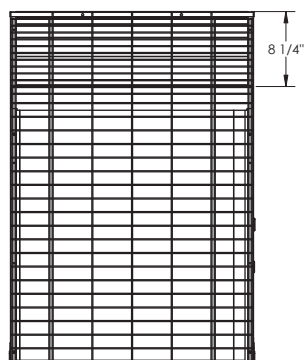


Project:

NHPA 5000 SERIES-Heat Pump

Performance Data					
Models	Rated Cooling Outputs (BTUs per hour)	Rated Heating Outputs (BTUs per hour)	Dimensions	Efficiency Ratings	Shipping Weight
NHPA-418-5019	18,000	@ 47°F - 15,500	26 ⁷ / ₈ " x 38 ⁷ / ₈ " x 18 ¹ / ₂ "	13 SEER 7.6 HSPF	190 lbs
		@ 35°F - 13,400			
		@ 17°F - 9,700			
NHPA-424-5019	22,800	@ 47°F - 21,400	26 ⁷ / ₈ " x 38 ⁷ / ₈ " x 18 ¹ / ₂ "	13 SEER 7.6 HSPF	190 lbs
		@ 35°F - 18,000			
		@ 17°F - 13,600			
NHPA-430-5019	26,800	@ 47°F - 23,600	26 ⁷ / ₈ " x 38 ⁷ / ₈ " x 18 ¹ / ₂ "	13 SEER 7.6 HSPF	190 lbs
		@ 35°F - 18,400			
		@ 17°F - 14,300			

Electrical Data					
All units 208/230/1 AC 60HZ					
Evap. Blower Motor 1/3 HP 3.0 FLA - Cond. Fan Motor 1/4 HP 1.8 FLA 3.6 LRA					
Models	Compressor		Minimum AWG Wire	Minimum Circuit Amps	Maximum Fuse
	RLA	LRA			
NHPA-418-5019	9.0	56.3	12	13.47	20
NHPA-424-5019	12.1	61.6	12	17.33	20
NHPA-430-5019	12.8	67.8	10	18.21	30



Project:

Apartment Air Handler NCPAH-A Series

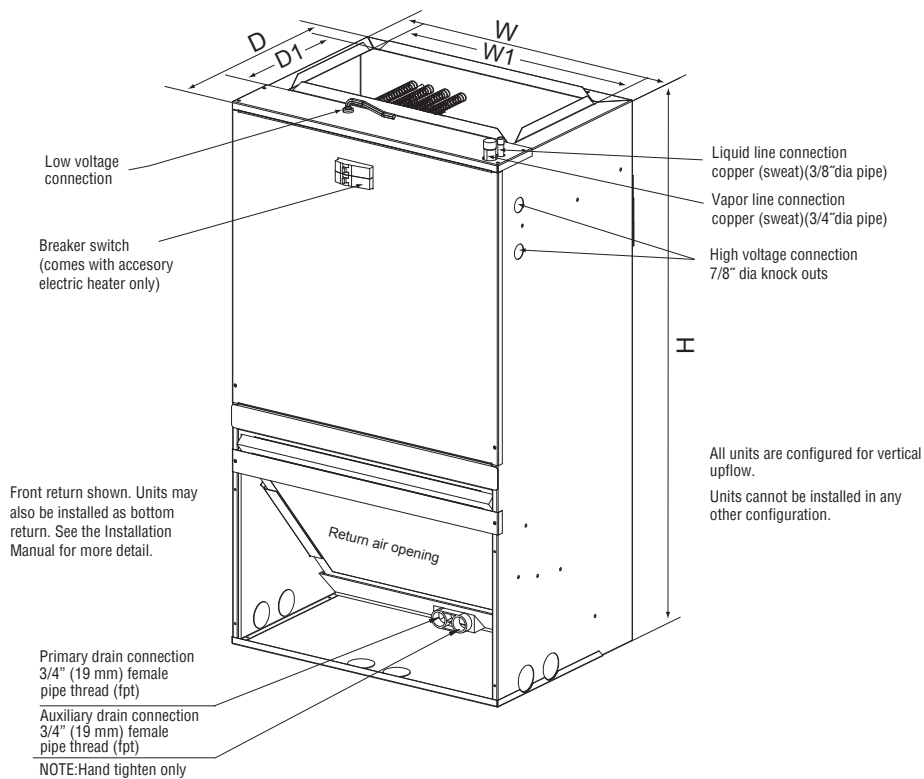
Performance Data

All units 208/230V 1 Ph 60 Hz

Model	Nominal BTU	Size (TONS)	Nominal CFM		Motor HP	Motor RPMS	Indoor Sound dB(A)	MCA	MOP	FLA	Filter Size Inch
NCPAH-24-A	24,000	2 Ton	600	900	1/3	1050	49	2.4	15	1.9	16" x 20"
NCPAH-36-A	36,000	3 Ton	900	1350	1/2	1050	54	3.4	15	2.7	20" x 20"

Dimensional Data

Model	Dimensions inch (mm)							Shipping Weight
	H	W	W1	D	D1	Flow Control	Line Sizes	
NCPAH-24-A	36 1/2" (928)	20 1/2" (521)	17 4/5" (452)	15" (381)	9 1/2" (242)	TXV	3/8" & 3/4"	99 lbs
NCPAH-36-A	39 1/2" (1004)	22" (559)	18 3/4" (477)	19" (483)	9 1/2" (242)	TXV	3/8" & 3/4"	121 lbs

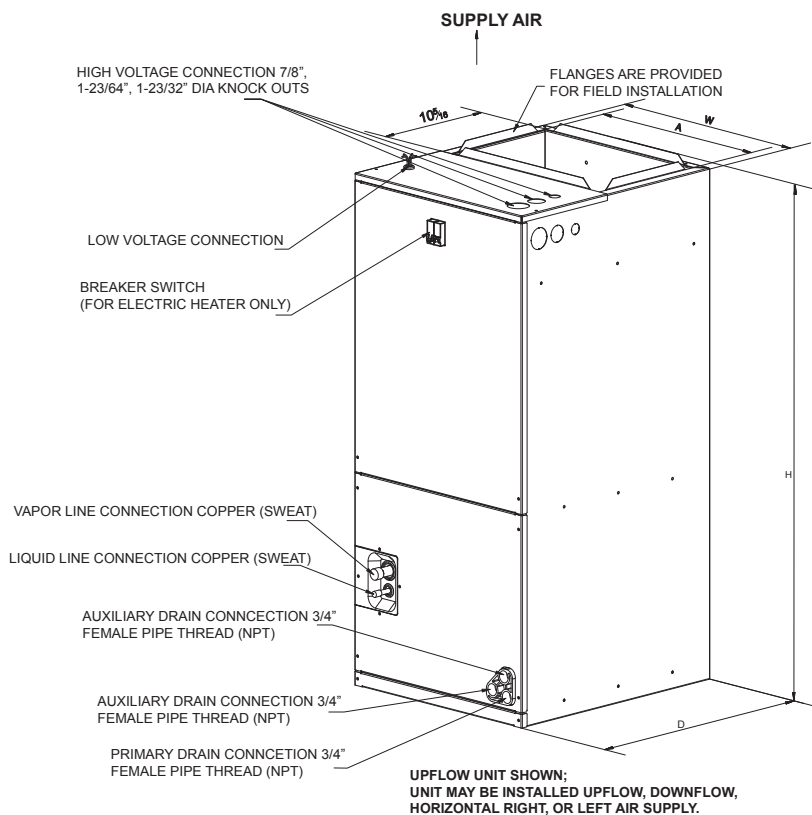


Project:

Multi-Position Air Handler NCPAH-M Series

Performance Data											
All units 208/230V 1 Ph 60 Hz											
Model	Nominal BTU	Size (TONS)	Nominal CFM		Motor HP	Motor RPMS	Indoor Sound dB(A)	MCA	MOP	FLA	Filter Size Inch
NCPAH-24-M	24,000	2 Ton	600	900	1/3	1050	63	3.5	15	2.8	18" x 20"
NCPAH-36-M	36,000	3 Ton	1000	1350	1/2	1050	65	5.1	15	4.1	20" x 22"

Dimensional Data							
Model	Dimensions inch						Shipping Weight
	H	W	D	A	Flow Control	Line Sizes	
NCPAH-24-M	46½"	19⅝"	21⅝"	18"	TXV	⅜" & ¼"	132 lbs
NCPAH-36-M	54½"	22"	24"	19½"	TXV	⅜" & ¼"	178 lbs



Project:

Ceiling Mount Air Handler NCPAH-P Series

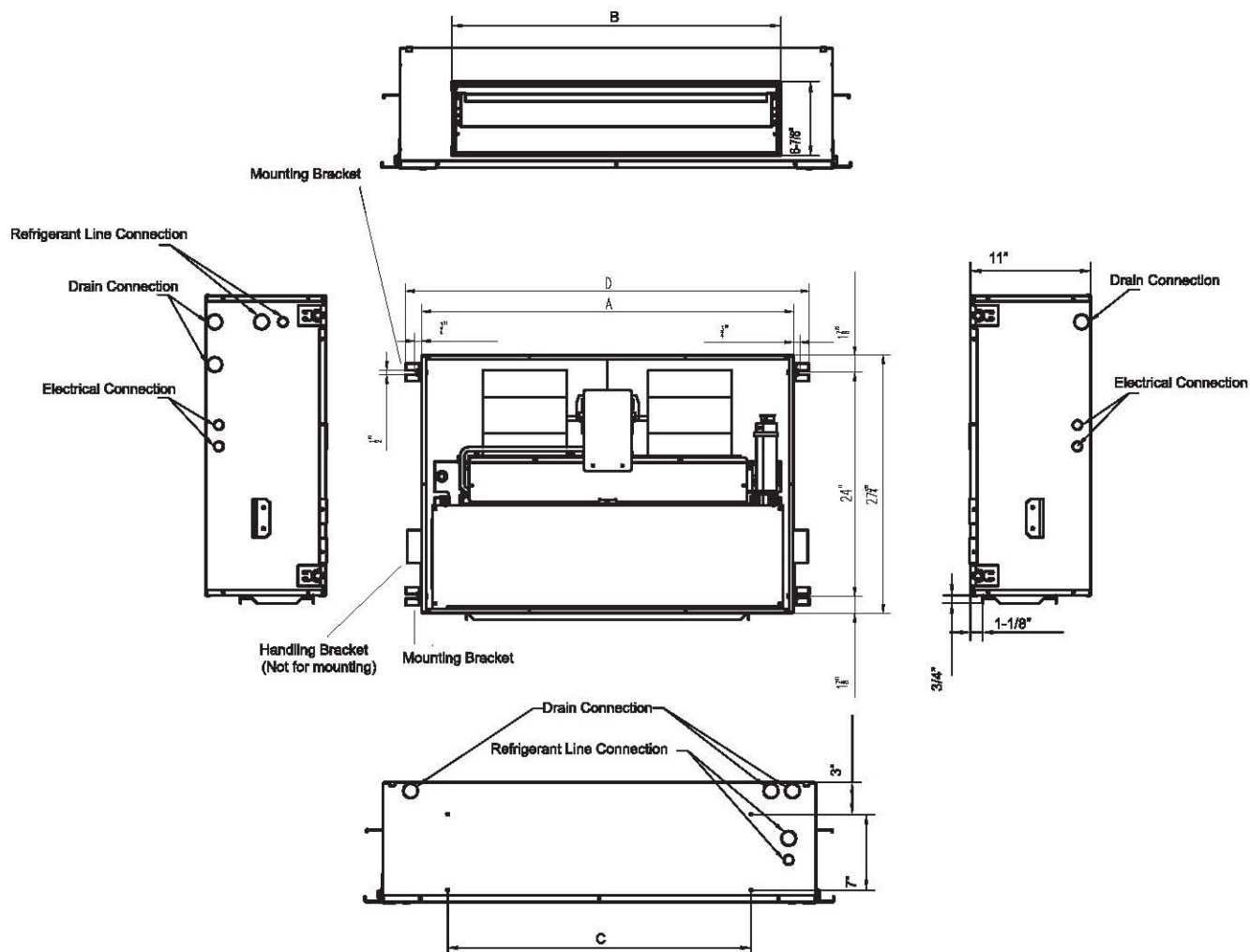
Performance Data

All units 208/230V 1 Ph 60 Hz

Model	Nominal BTU	Size (TONS)	Nominal CFM			Motor HP	Motor RPMS	Indoor Sound dB(A)	MCA	MOP	FLA	Filter Size Inch
NCPAH-24-P	24,000	2 Ton	1009	860	672	$\frac{1}{3}$	1050	55.7	3.3	15	2.6	16 x 20
NCPAH-36-P	36,000	3 Ton	1312	1188	1052	$\frac{1}{3}$	1050	56.9	3.3	15	2.6	20 x 20

Dimensional Data

Model	Dimensions inch				Shipping Weight
	A	B	C	D	
NCPAH-24-P	39 $\frac{3}{4}$ "	30 $\frac{3}{8}$ "	28"	43 $\frac{3}{8}$ "	109 lbs
NCPAH-36-P	51 $\frac{3}{4}$ "	42 $\frac{3}{8}$ "	40"	55 $\frac{3}{8}$ "	135 lbs



Project:

Wall Sleeve

1000 -WSD-12

26 $\frac{7}{8}$ " W x 29 $\frac{5}{8}$ " H

Rough in at 27 $\frac{3}{8}$ " W x 30 $\frac{1}{8}$ " H

3000 -WSD-12

24 $\frac{7}{8}$ " W x 33" H

Rough in at 25 $\frac{3}{8}$ " W x 33 $\frac{1}{2}$ " H

4000 -WSD-12

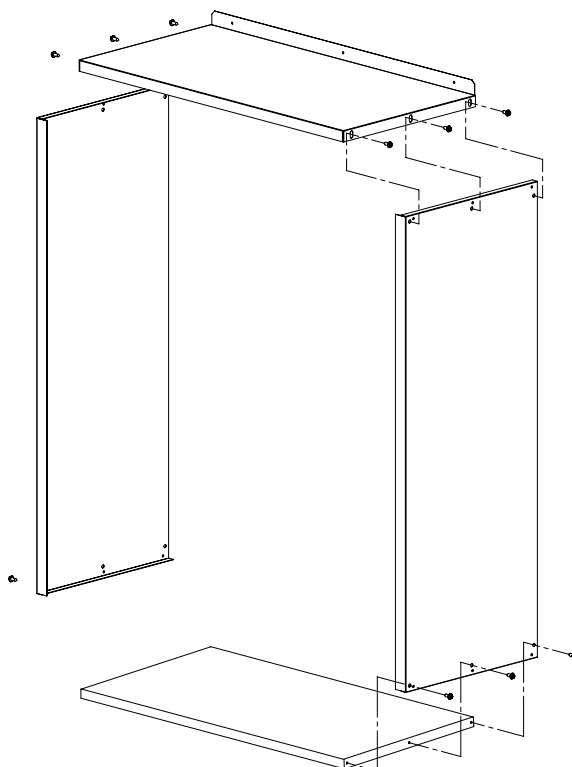
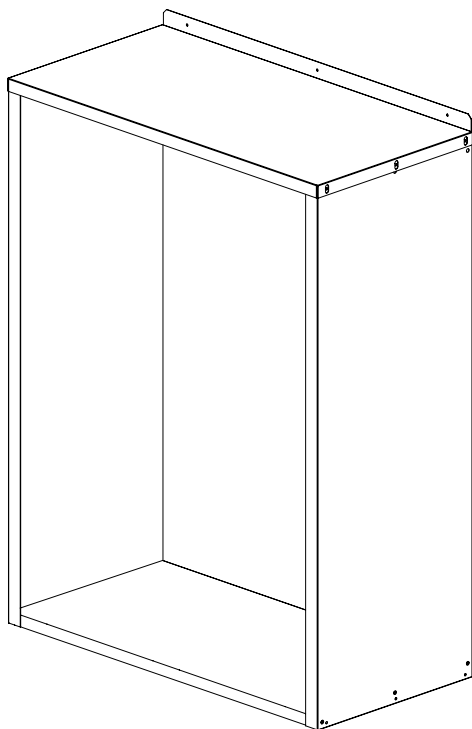
30 $\frac{5}{8}$ " W x 24" H

Rough in at 31 $\frac{1}{8}$ " W x 24 $\frac{1}{2}$ " H

5000 -WSD-12

28" W x 39 $\frac{7}{8}$ " H

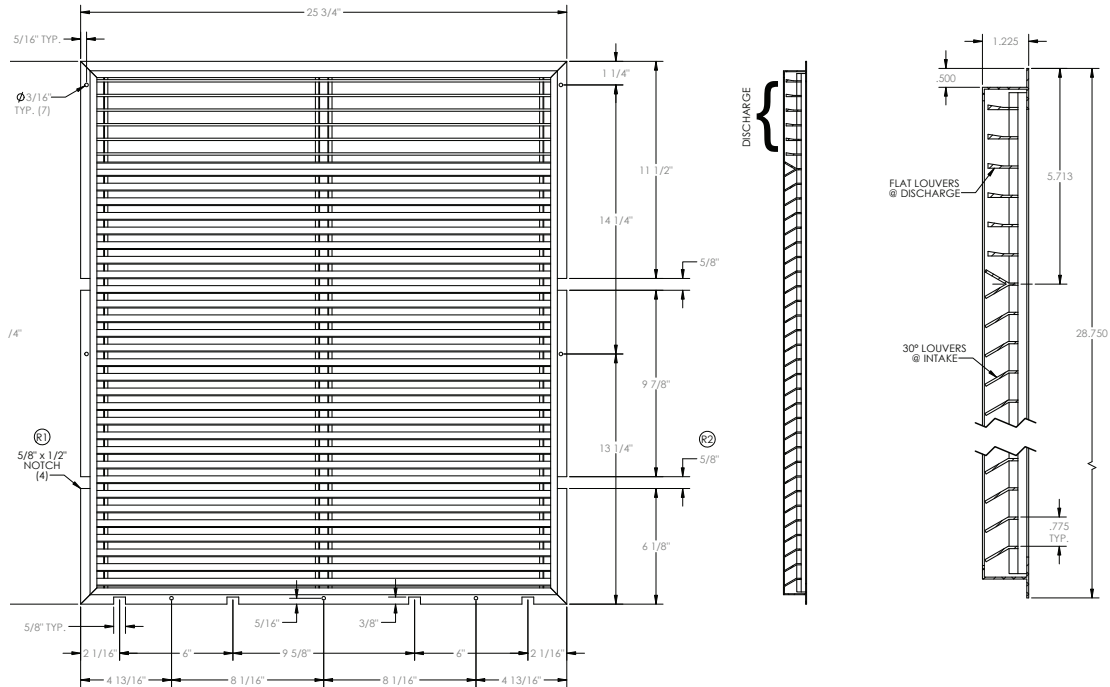
Rough in at 28 $\frac{1}{2}$ " W x 40 $\frac{3}{8}$ " H



Architectural Louver Grilles

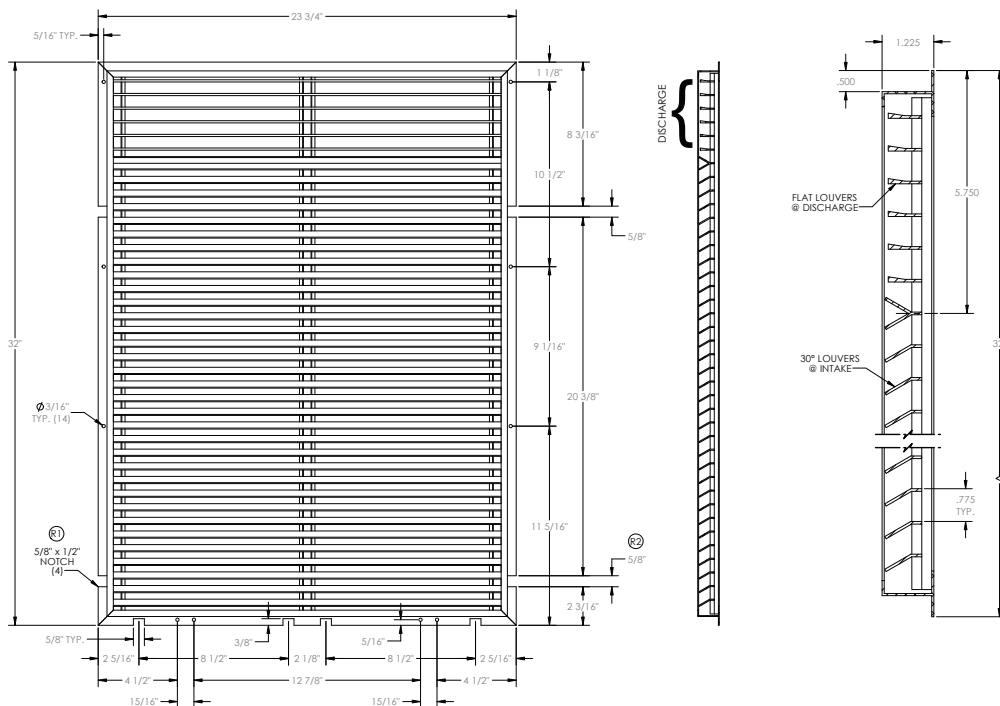
14269035 (1000) (anodized aluminum finish)

14269035-P (1000) (painted finish)



14269036 (3000) (anodized aluminum finish)

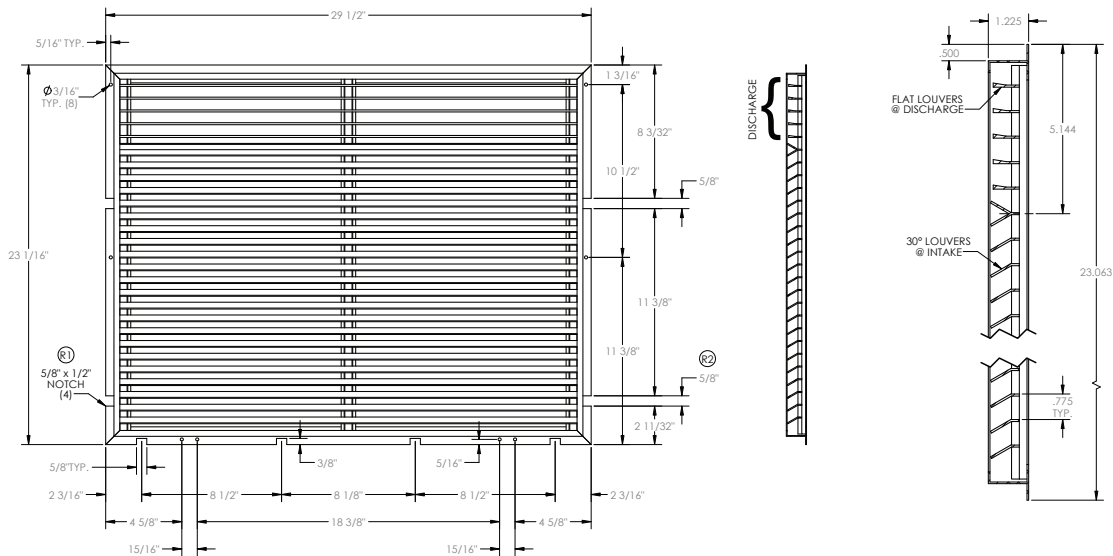
14269036-P (3000) (painted finish)



Architectural Louver Grilles

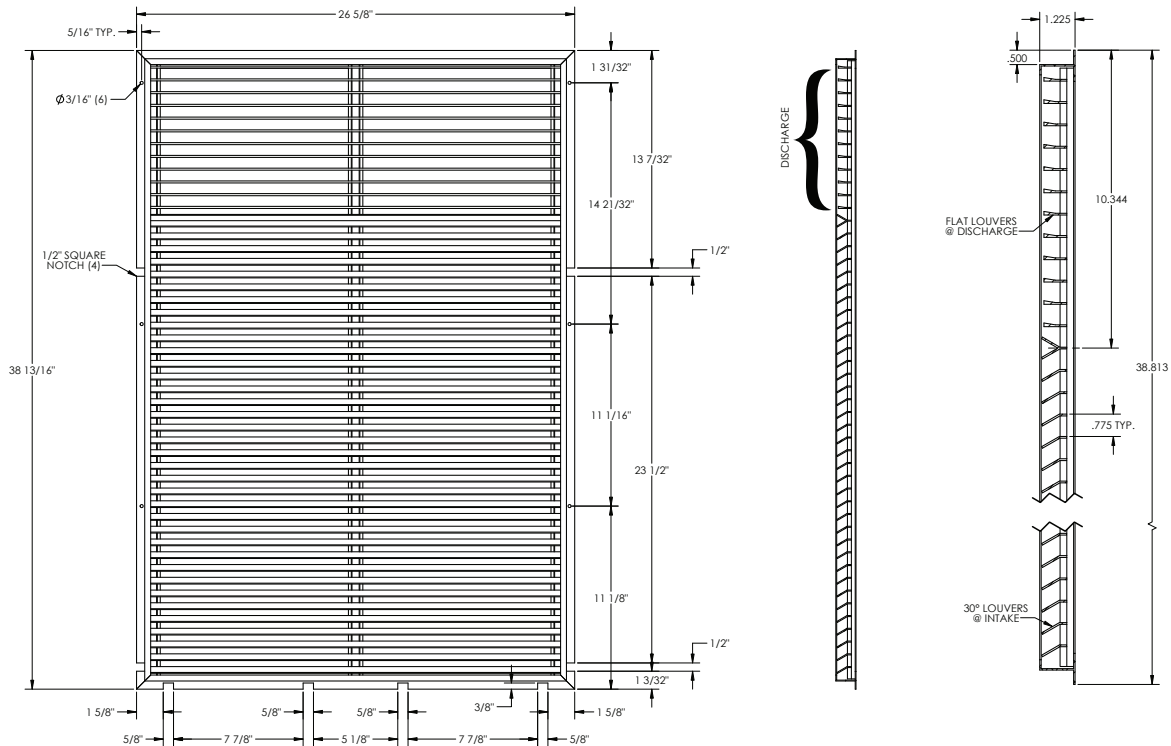
14269037 (4000) (anodized aluminum finish)

14269037-P (4000) (painted finish)



14269038 (5000) (anodized aluminum finish)

14269038-P (5000) (painted finish)

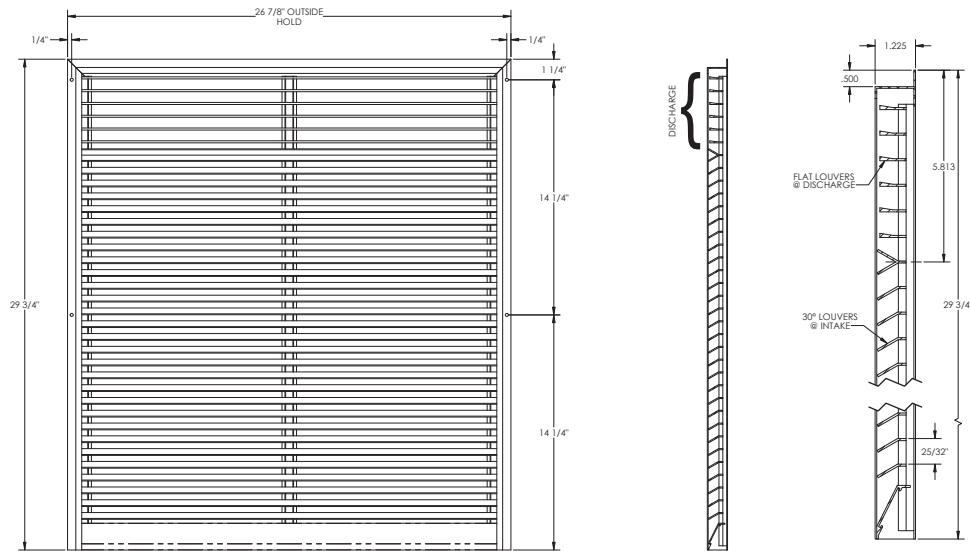


Project:

Architectural Louver Grilles to fit sleeve

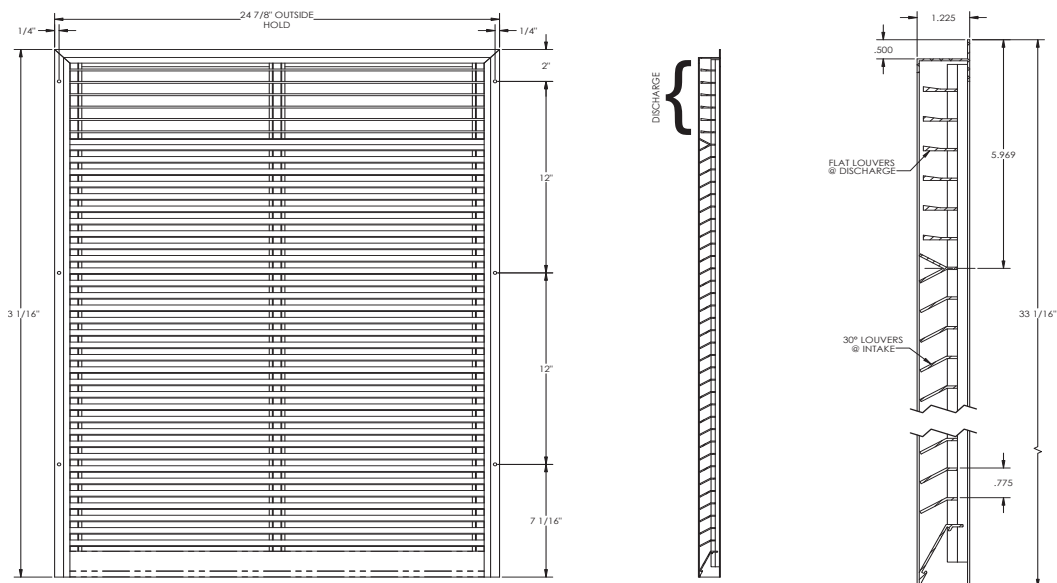
14269035-S (1000) (anodized aluminum finish)

14269035-SP (1000) (painted finish)



14269036-S (3000) (anodized aluminum finish)

14269036-SP (3000) (painted finish)

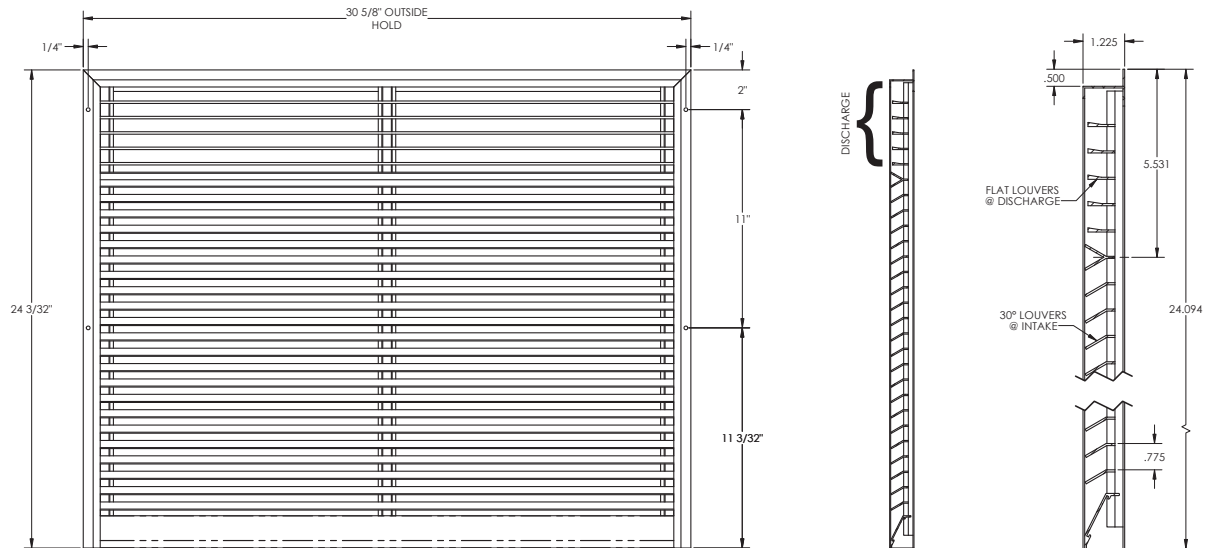


Project:

Architectural Louver Grilles to fit sleeve

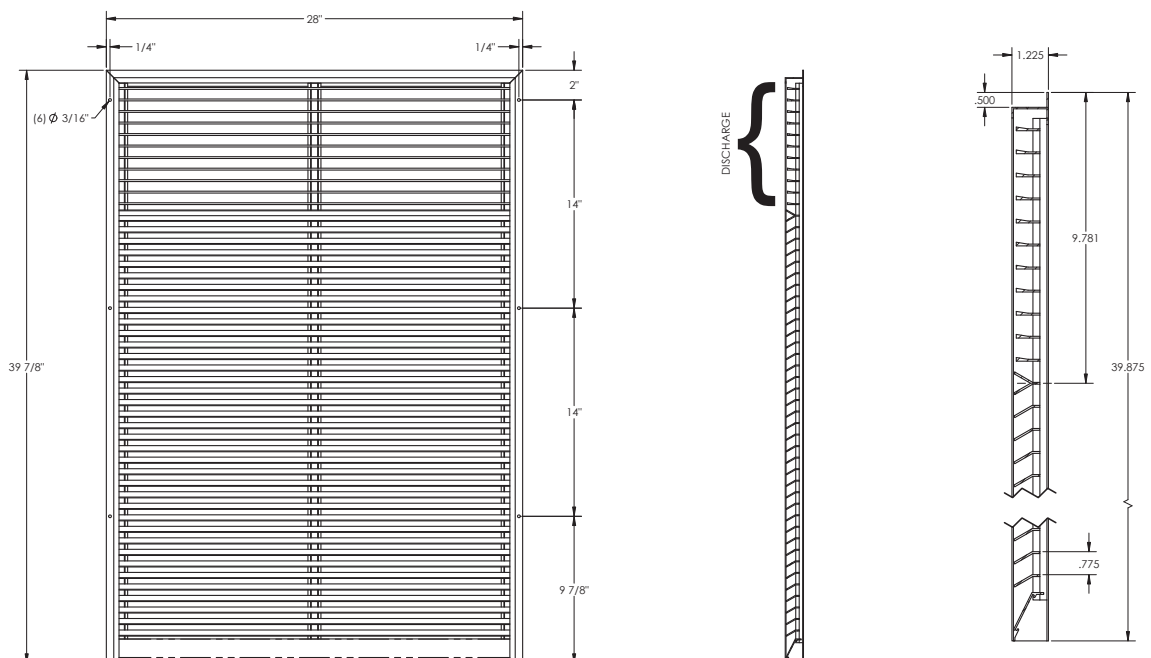
14269037-S (4000) (anodized aluminum finish)

14269037-SP (4000) (painted finish)



14269038-S (5000) (anodized aluminum finish)

14269038-SP (5000) (painted)



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