Technical Specifications

CONFORMS TO ANSI/UL STD. 1995,
CERTIFIED TO CAN/CSA STD. C22.2 NO. 236 AND
ANSI/AHRI STD. 390

PSD - SERIES

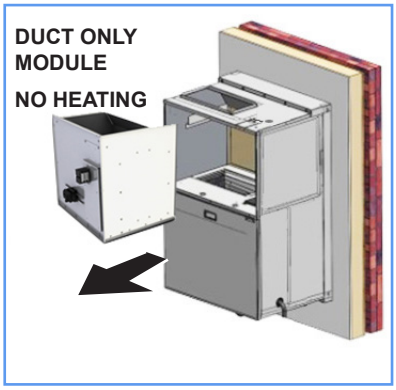
Electric Cooling / No Heating

Self contained, high efficiency Thru-The-Wall cooling unit
Cooling - 12000 BTU/h, 16000 BTU/h, 21000 BTU/h, 25000 BTU/h

FEATURES

COMPATIBLE SIZE

- Industry standard footprint for retrofit applications
- Cabinet dimensions: 43-1/8” High x 28” Wide x 32” Deep
- Wall Sleeve dimensions where penetrating exterior wall: 44-7/8” High x 28-7/8” Wide
- Standard TAUPE color

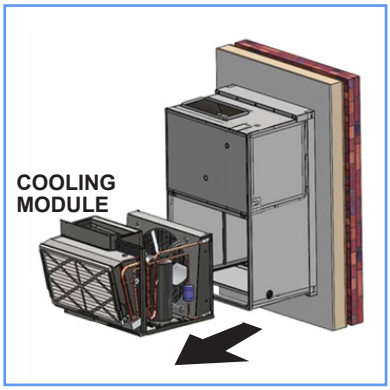


FEATURES

- Up to 25000 BTU/h Cooling
- Up to 11 EER with R-410A Refrigerant
- Micro-Channel Condenser and Evaporator Coils
- High efficiency compressor
- Pre-wired and pre-charged
- Removable cooling module
- Plug-and-play installation and service
- Individual metering and control for each unit
- One Piece motorized Condenser Fan design

CIRCULATION BLOWER

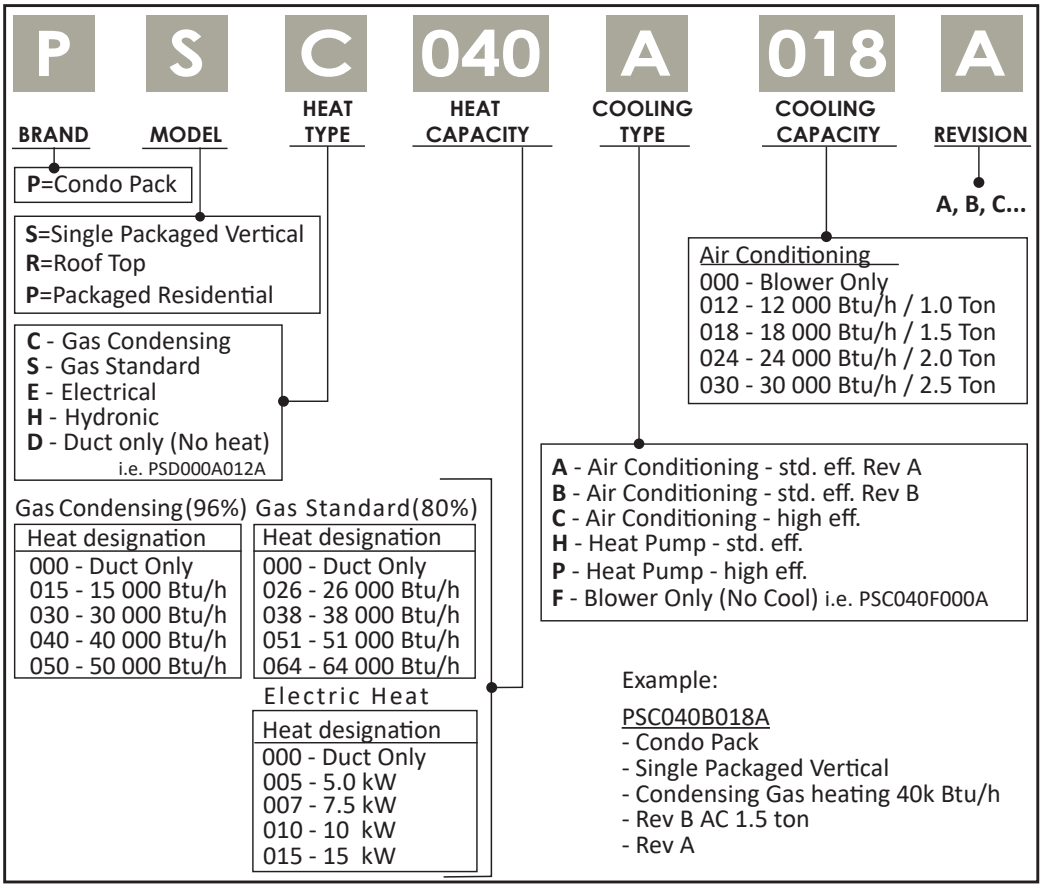
- Dual Inlet Blower for higher flow rates / reduced air noise
- Endura Pro Multi-Speed Electronically Commutated Motor for increased electrical efficiency



SERVICE ADVANTAGES

- Indoor access to all parts & maintenance needs
- Innovative, dual slide-out chassis can be partially or fully removed for efficient servicing.
- With spare modules, building management can perform quick swap outs, maintaining indoor conditions in the apartment/condo, while troubleshooting non functioning units off line.
- Can perform direct replacement of the individual modules at the end of their service life instead of replacement of the complete appliance.
- All control harnesses are separated with modular quick disconnects so module swap outs do not require time consuming rewiring.

NOMENCLATURE



SPECIFICATIONS

PERFORMANCE

TABLE 1.

Model No.	COOLING			NO HEATING
	BTU/h	EER	CFM	
PSD000B012A	12000	11	450	**Heating function is not included in these units. Heating options such as Hydronic Heating or Electric Resistance Heating can be achieved in field by including duct-hot-water coil or duct electric resistant elements in the overall HVAC System.**
PSD000B018A	16000	10	740	
PSD000B024A	21000	10	740	
PSD000B030A	25000	9	960	

ELECTRICAL AND PHYSICAL DATA

TABLE 2.

Model No.	Min. Circuit Ampacity	Max. Overcurrent Protection Fuse / Ckt Breaker (A)	Compressor		Outside Fan				Indoor Blower			Voltage/Hz/ Phase	Voltage/Range
			Comp Rated Load Amps (RLA)	Comp Locked Rotor Amps (LRA)	Dia	Nominal RPM	Rated Load Amps	Cond Mtr. HP	Wheel Dia x Width (Inches)	Rated Load Amps	HP		
PSD000B012A	10.2	15	5.3	28.5	17-3/4"	1100	0.79	1/4	10 x 6	2.8	1/3	208-230/60/1	197-253
PSD000B018A	12.8	20	7.4	38.5		1100	0.79	1/4					
PSD000B024A	16.7	25	10	34.8		1600	1.4	1/3					
PSD000B030A	20.2	30	12.8	67.8		1600	1.4	1/3					

AIR FLOW

TABLE 3.

CFM at External Static Pressure (inches of water Column)											
Speed Tap#	**Motor Speed**	**0.1**	**0.2**	**0.3**	**0.4**	**0.5**	**0.6**	**0.7**	**0.8**	**0.9**	**1.0**
1	100%	961	938	914	884	855	819	773	725	651	576
2	85%	892	871	853	839	819	789	750	709	631	569
3	60%	746	723	707	688	663	650	626	598	571	546
4	35%	546	512	492	454	421	386	353	333	318	291
5	25%	455	407	379	332	292	264	250	225		

TABLE 4.

Available Motor speed Taps			
Model No.	**Heating/Cooling Module**	**Setting**	**Speed Tap#**
PSD000B012A	CDOM	FACTORY	2
		Hi	1
	CACM012B (Cooling)	FACTORY	5
		HI	4
	G - continuous fan		3
PSD000B018A	CDOM	FACTORY	4
		HI	1
	CACM018B (Cooling)	FACTORY	3
		HI	2
	G - continuous fan		5
PSD000B024A	CDOM	FACTORY	4
		HI	1
	CACM024B (Cooling)	FACTORY	3
		HI	2
	G - continuous fan		5
PSD000B030A	CDOM	FACTORY	3
		HI	2
	CACM030B (Cooling)	FACTORY	1
		HI	NA
	G - continuous fan		4

***IMPORTANT:** Do not use common speed tap for multiple functions; Connecting (any combination of) air conditioning blower speed, heating blower speed, and continuous fan speed to the same motor speed tap will cause the unit to malfunction.

Each of the three blower functions must be connected to separate motor speed taps.

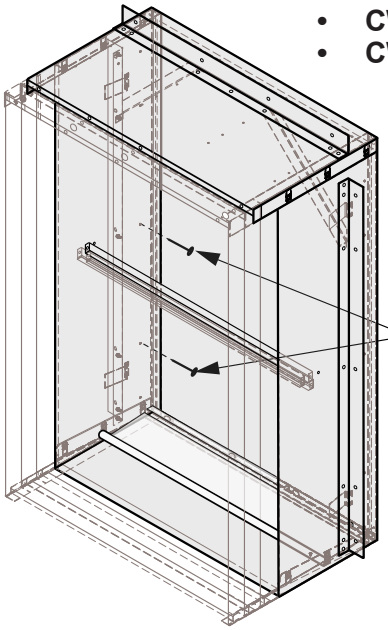
DIMENSIONS

WALL SLEEVE DIMENSIONS

FOUR DIFFERENT WALL SLEEVE MODELS ARE DEPICTED BELOW:

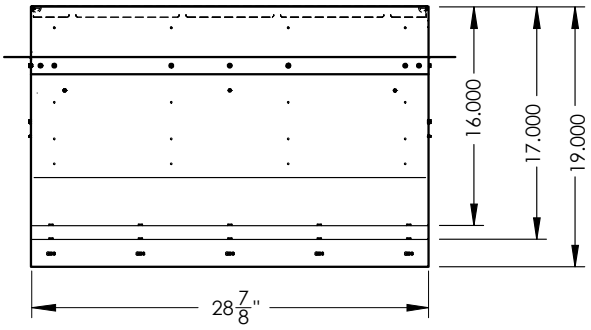
- CWSMUA
- CWSMUA15
- CWSMUA17
- CWSMUA19

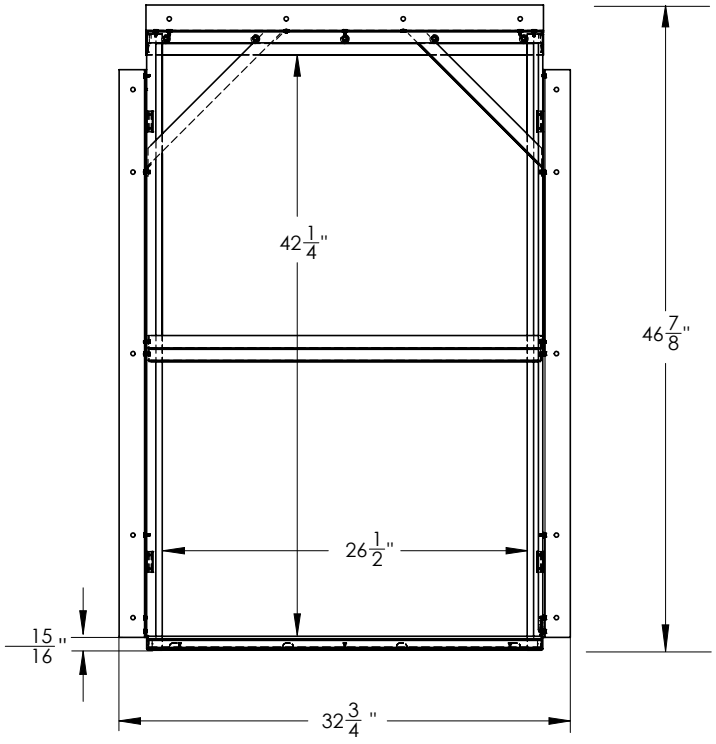
NOTE:
TO IMPROVE RIGIDITY AND REDUCTION IN VIBRATION WALL MOUNTING BRACKETS CAN BE USED TO AFFIX WALL SLEEVE TO BUILDING SUB STRUCTURE FROM INSIDE OR OUTSIDE OF THE BUILDING. ENGINEER/ARCHITECT TO CONSULT WITH NAPOLEON ENGINEERING TO DETERMINE BRACKET LOCATION FOR SETTING THE DESIRED DEPTH OF WALL SLEEVE INTO WALL.

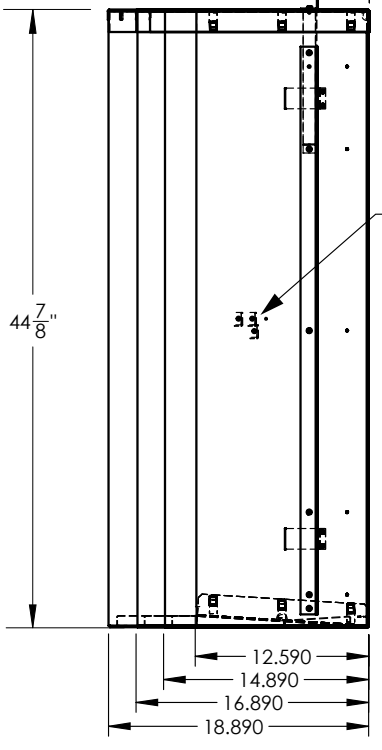


WALL SLEEVE IS DIRECTLY LAGGED TO WALL SUBSTRUCTURE.

DIMENSIONS FOR THE TOP PANEL (ITEM 1):







DIMENSIONS FOR THE SIDE PANELS (ITEM 3 & 4):

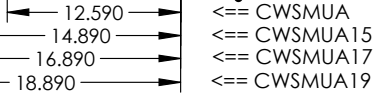
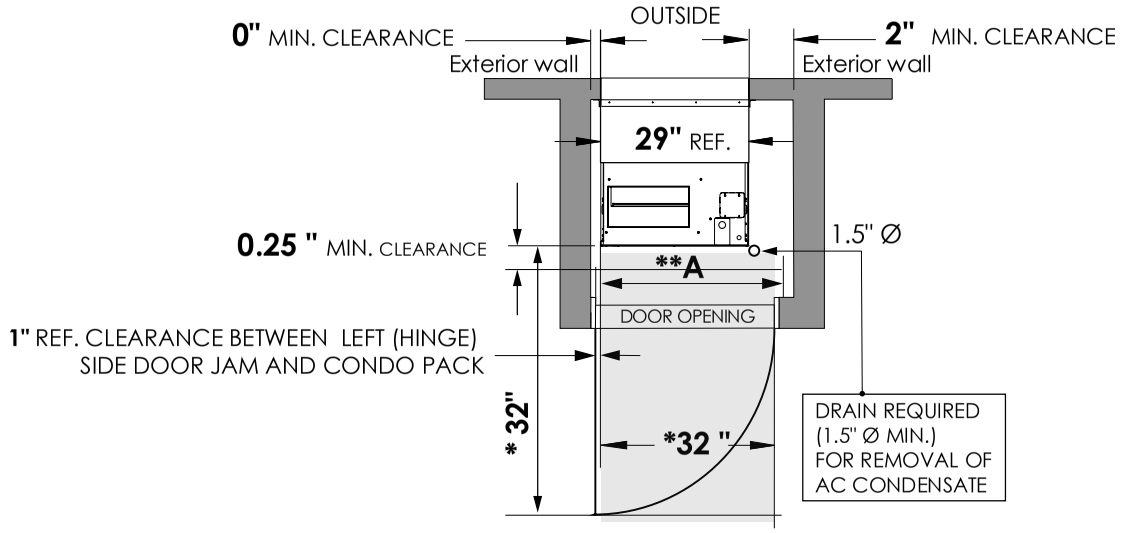
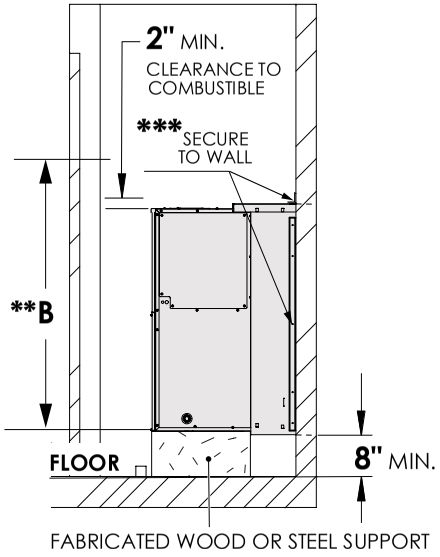


FIGURE 1

MINIMUM CLEARANCE

REQUIRED DUE TO UNIT'S DIMENSION & SAFETY STANDARD





NOTE

ADEQUATE SERVICE CLEARANCE MUST BE PROVIDED IN FRONT OF THE UNIT.

*** Engineer/Architect - to consult with Napoleon Engineering to determine bracket location for setting the desired depth of Wall Sleeve into wall.

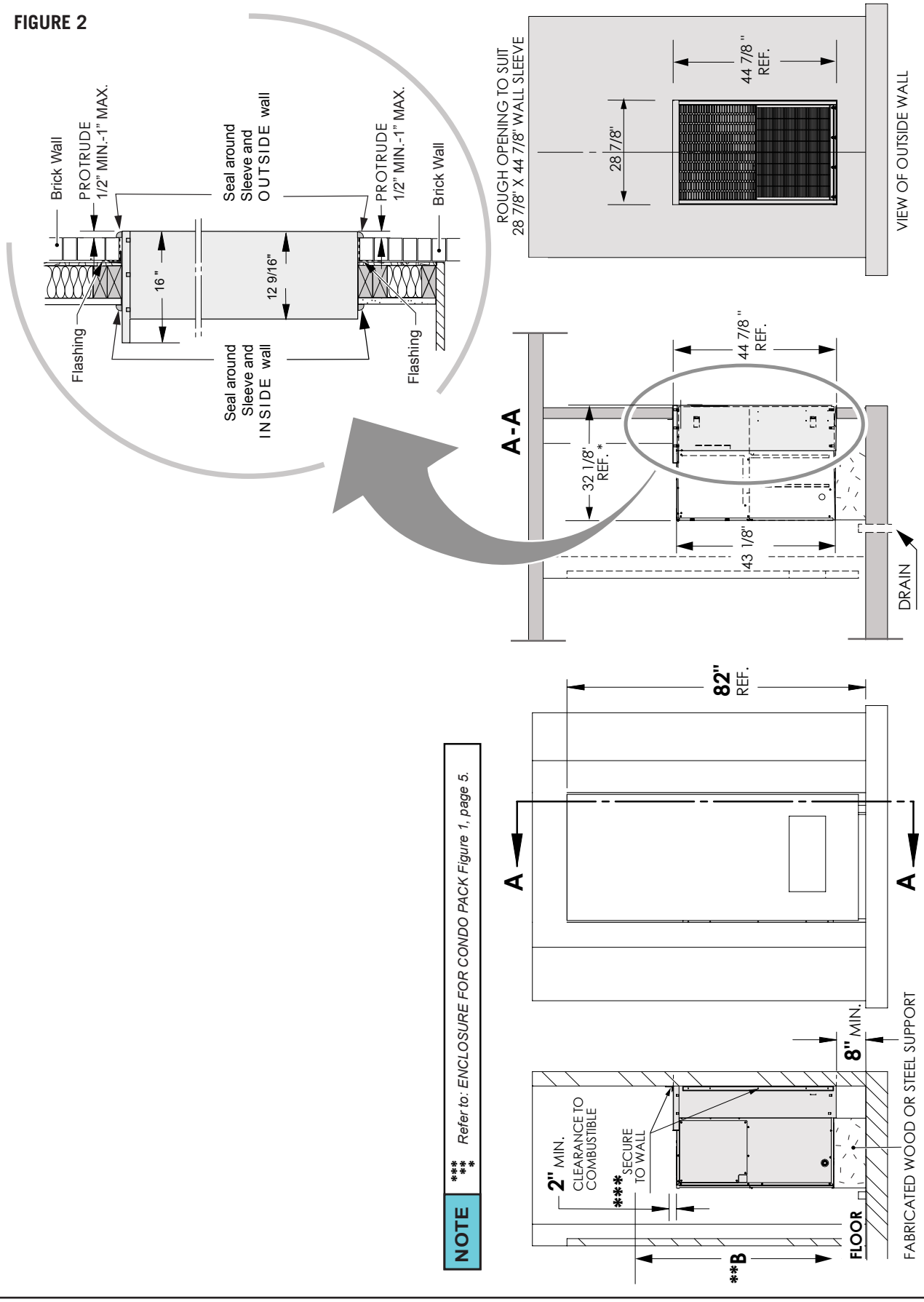
** A clear and unobstructed passageway (dimension AxB) shall be provided to the unit, in accordance with the requirements of the local authorities having jurisdiction and with the National Electrical Code in the United States and the Canadian Electrical Code CSA C22.1 Part 1 (latest edition) in Canada.

* The 32" x 32" unobstructed clearance is required in front of the unit for complete removal of heating and cooling module. Check local building codes for other applicable requirements.

IMPORTANT: Prior to constructing interior closet walls in close proximity to the wall sleeve, the sealing of the wall sleeve and cabinet should be completed. Sealing after the walls are constructed can be difficult. Poor sealing will result in cold air infiltration that will affect Condo Pack. Refer to section "*Sealing: Wall Sleeve and Condo Pack cabinet*".

ENCLOSURE FOR CONDO PACK cont.

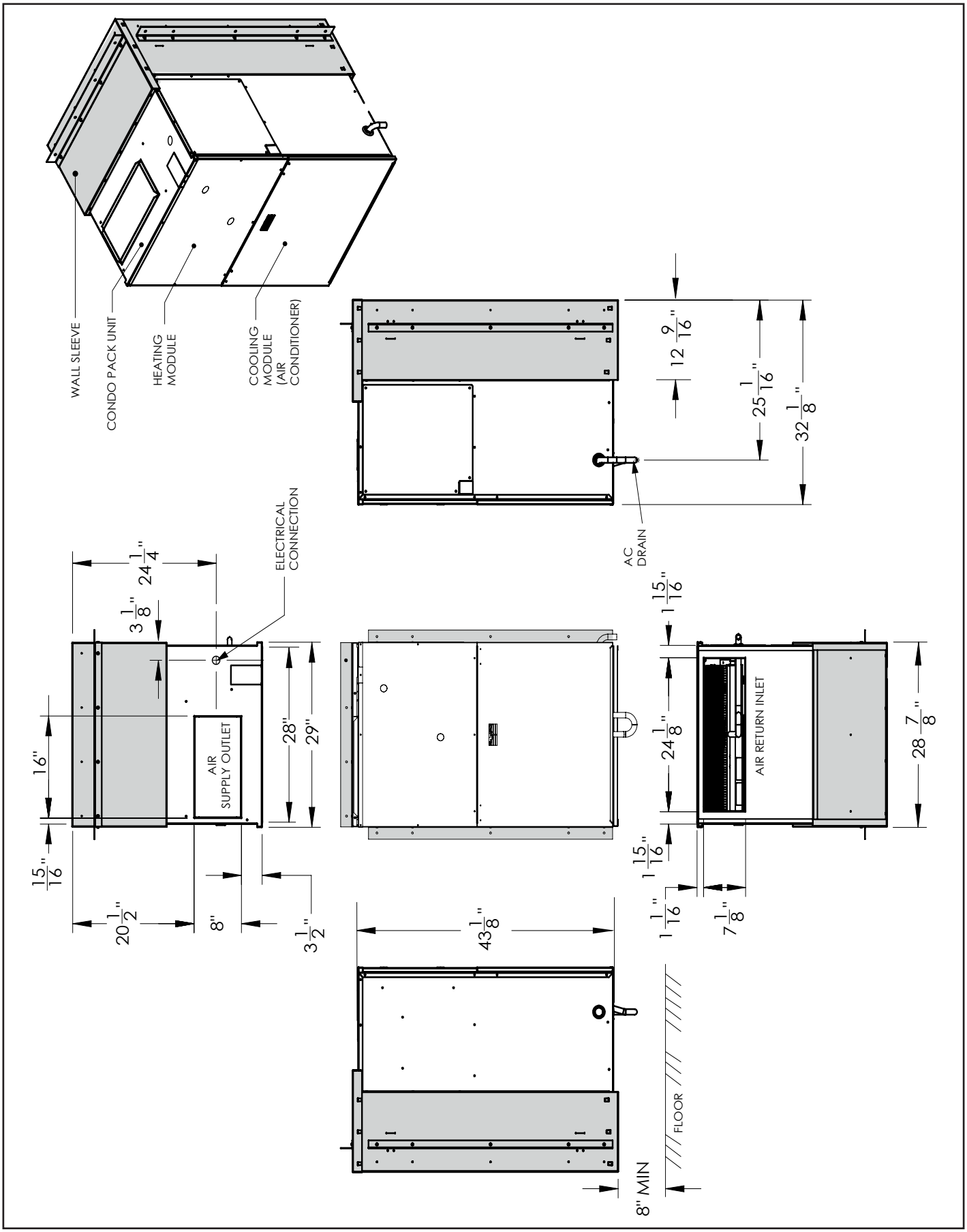
FIGURE 2



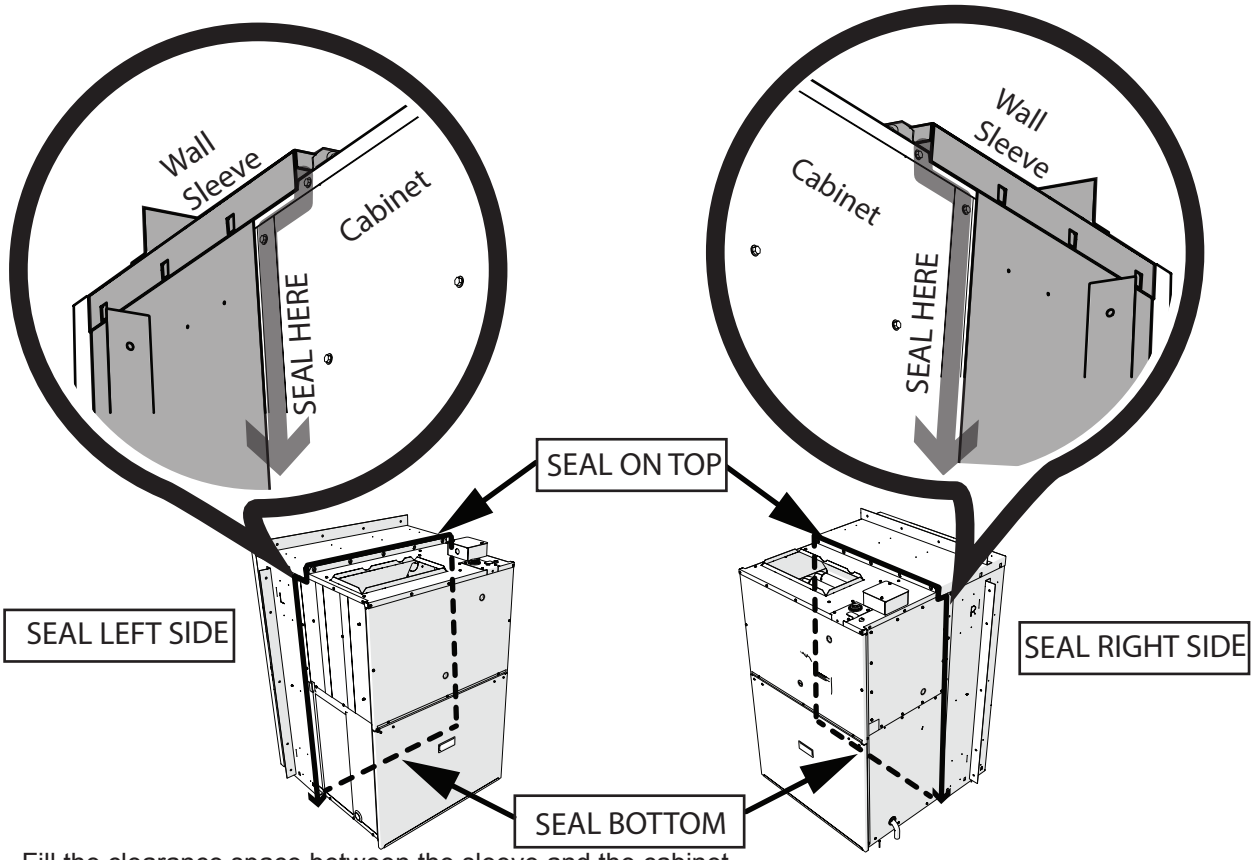
NOTE

*** ** *Refer to: ENCLOSURE FOR CONDO PACK Figure 1, page 5.*

CONDO PACK SHOWN IN WALL SLEEVE



SEALING: WALL SLEEVE AND CONDO PACK CABINET



Fill the clearance space between the sleeve and the cabinet with non-hardening caulking compound or non-expanding insulation foam as a protection against the snow, water, moisture and air infiltration.

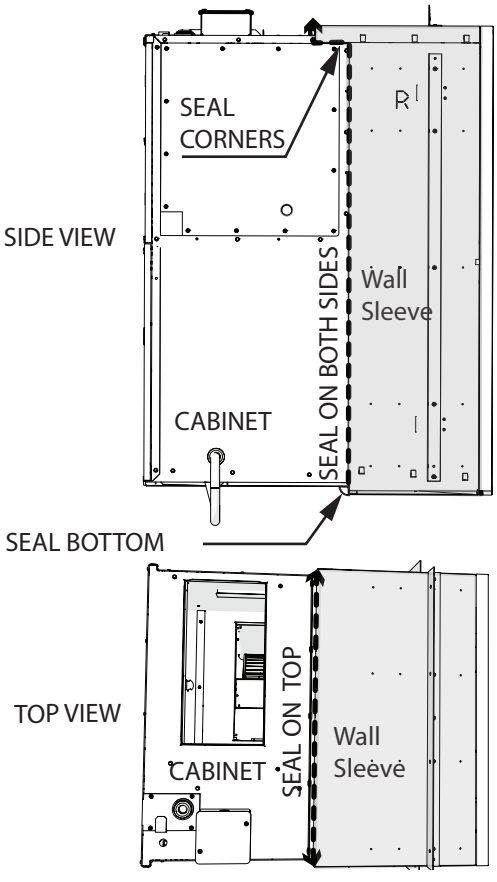
⚠ IMPORTANT ⚠

THE CLEARANCE SPACE BETWEEN THE WALL SLEEVE AND THE CABINET MUST BE COMPLETELY SEALED ON ALL FOUR SIDES IN ORDER TO PREVENT THE MOISTURE AND AIR INFILTRATION.

⚠ WARNING ⚠

THESE INSTRUCTIONS ARE INTENDED AS AN AID TO QUALIFIED SERVICE PERSONNEL FOR PROPER INSTALLATION, ADJUSTMENT AND OPERATION OF THE UNIT. READ THESE INSTRUCTIONS THOROUGHLY BEFORE ATTEMPTING INSTALLATION OR OPERATION.

IMPROPER INSTALLATION, ADJUSTMENT, SERVICE, OR MAINTENANCE CAN CAUSE PROPERTY DAMAGE, PERSONAL INJURY, OR DEATH. FOR INFORMATION AND ASSISTANCE CONSULT A QUALIFIED INSTALLER OR SERVICE AGENCY.



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