

### Unit Overview

Model Number	Design Airflow	Elevation	External Dimensions			Weight	
			Length	Width	Height	Shipping	Operating
BCHE018	455 cfm	0.00 ft	30.100 in	28.000 in	17.000 in	165.5 lb	167.6 lb

### Unit Features

<b>Insulation type</b>	Double wall panels
<b>Filter type</b>	1" Throwaway
<b>Mounting Accessories</b>	Lifting Lugs

### Motor/Electrical Information

<b>Unit voltage</b>	208/60/3
<b>Motor full load amps</b>	2.00 A
<b>Fan electrical power</b>	259.0 W
<b>Min circuit ampacity</b>	19.87 A
<b>Maximum overcurrent protection</b>	20.00 A
<b>Brake horsepower</b>	0.255 hp
<b>ECM horsepower</b>	0.500 hp
<b>ESP</b>	1.000 in H2O
<b>TSP</b>	1.785 in H2O
<b>Design fan speed</b>	1636 rpm
<b>Medium fan speed</b>	1390 rpm
<b>Low fan speed</b>	1079 rpm
<b>Certification</b>	Certified in accordance with AHRI 430-2020



Unit will be paired with 3-1/2 ton condensing unit and modified for hot gas reheat coil to provide the DOAS required for the exam room. These modifications must be considered in the pricing of the unit (Hot Gas Reheat).

### Coil Information

<b>Coil #1</b>	6R DX, 3/16" Dis	<b>Cooling face velocity</b>	410 ft/min
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#### Coil Performance - Cooling

<b>Total cooling capacity</b>	35.91 MBh	<b>Liquid temp entering TXV</b>	115.00 F
<b>Sensible capacity</b>	22.23 MBh	<b>APD</b>	0.687 in H2O
<b>Cooling EDB</b>	96.20 F	<b>Saturated suction temp</b>	45.00 F
<b>Cooling EWB</b>	75.30 F	<b>Distributors</b>	1 Distributor
<b>Cooling LDB</b>	51.62 F		
<b>Cooling LWB</b>	51.46 F		

#### Coil Performance - Reheat

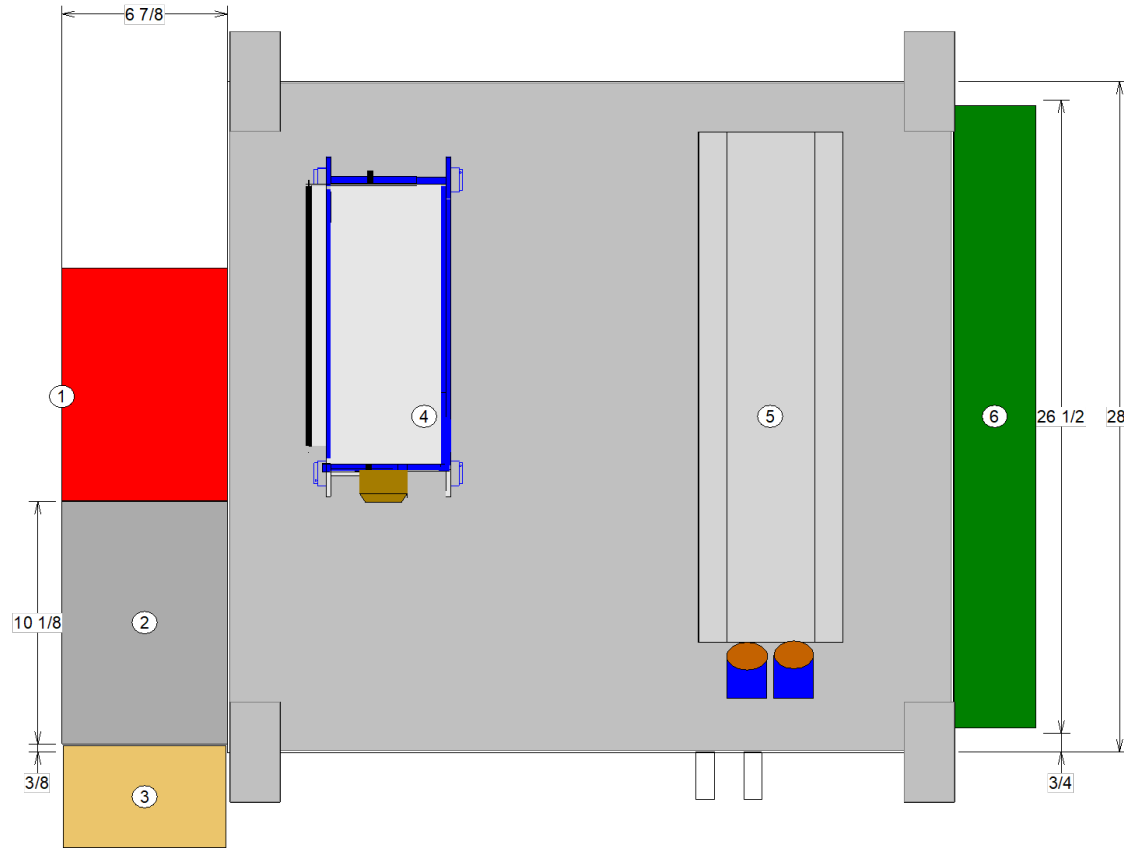
<b>Total capacity</b>	14.74 MBh	<b>APD</b>	0.054 in H2O
<b>EAT</b>	55.00 F	<b>Electric heat stages</b>	SCR
<b>LAT</b>	85.00 F	<b>Electric heat kW</b>	5.0 kW
		<b>Electric heat options</b>	Interlocking disconnect switch

### Heat Pump

<b>Airflow</b>	455 cfm	<b>Condenser Heat Available</b>	36.00 MBh
<b>Entering Air Temperature</b>	65.00 F	<b>Condensing Temperature</b>	110.00 F
<b>Leaving Air Temperature</b>	107.10 F	<b>Degrees of Subcooling</b>	10.00 F
<b>Heating Capacity</b>	20.77 MBh	<b>Winter outdoor ambient</b>	47.00 F
<b>Entering Gas Temperature</b>	110.00 F		

### Controls, Sensors and Valves

<b>Control type</b>	CSTI
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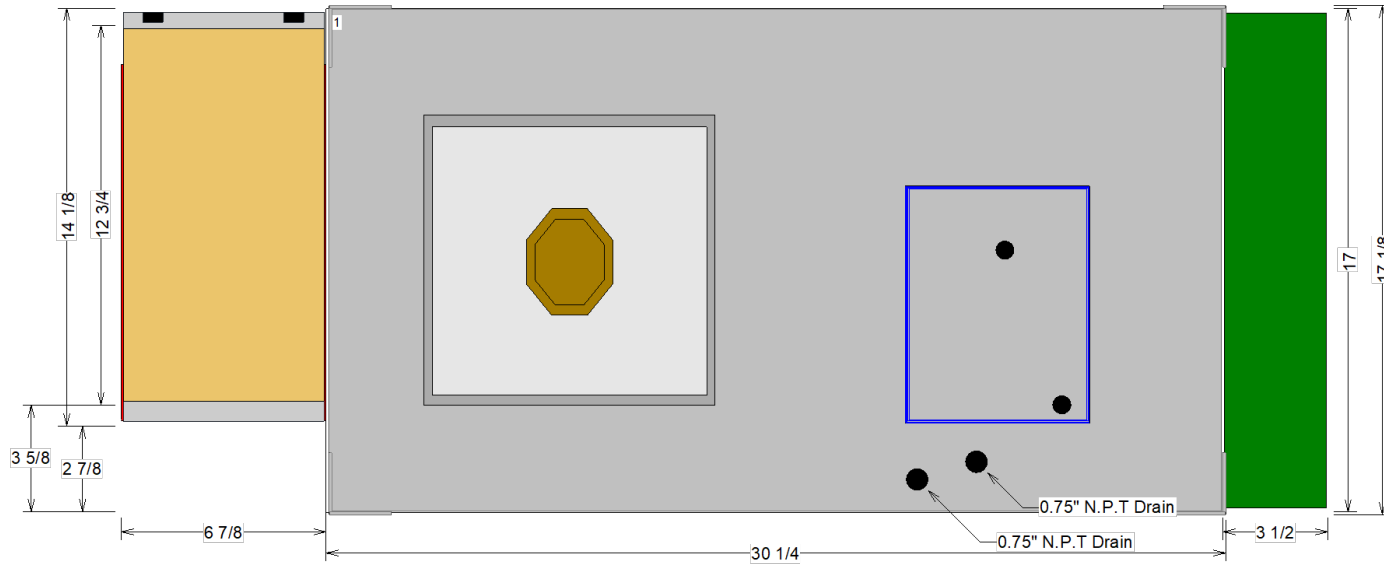


- 1 Electric heat discharge  
Front  
10.5 x 8.75
- 2 Electric heater control box
- 3 External control box front
- 4 Housed fan
- 5 Cooling coil
- 6 Flat filters - Unit mounted

**OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES / NOT TO SCALE**

Unit size (Nominal CFM): 18 (600 CFM)	Job Name: Fort Polk Dog Kennel	Insulation type: Double wall panels
Seismic certification:	Design airflow: 455	Proposal Number:
	Sales Office: Pensacola	Unit Tag: AHU-2
		Rigging/Installed Weight: 165.5 lb / 167.6 lb

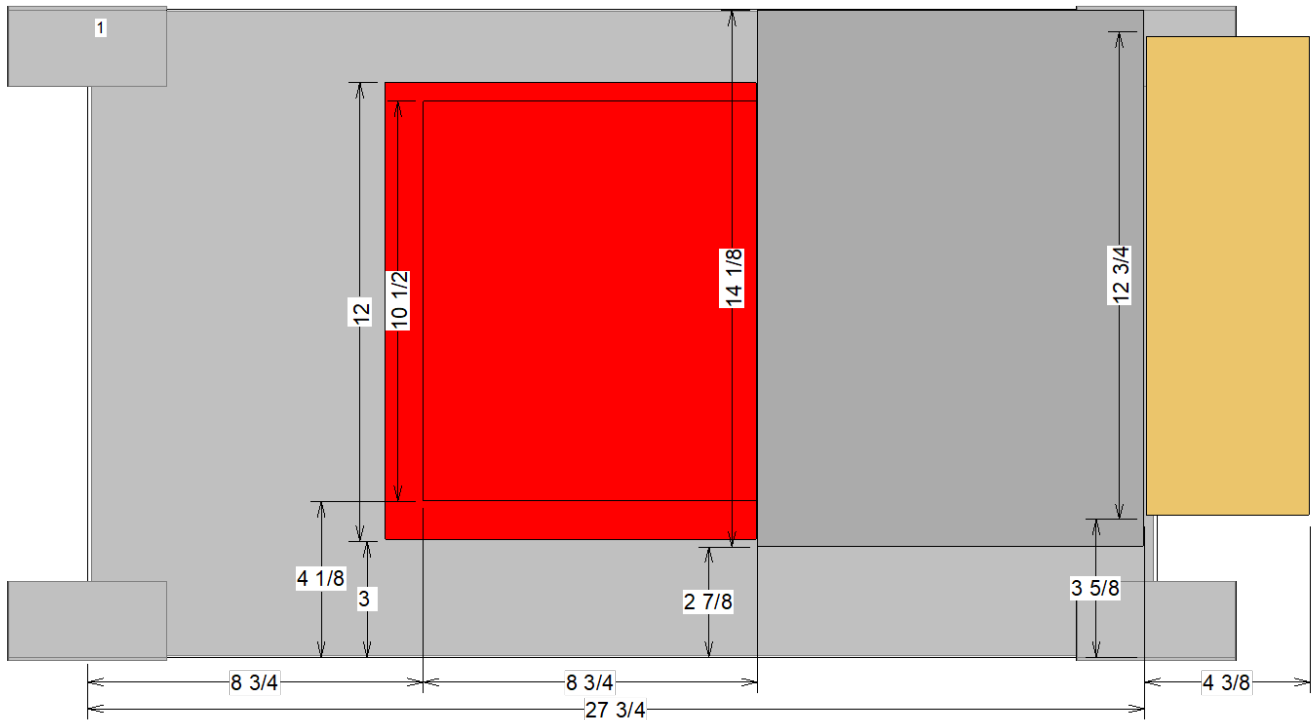




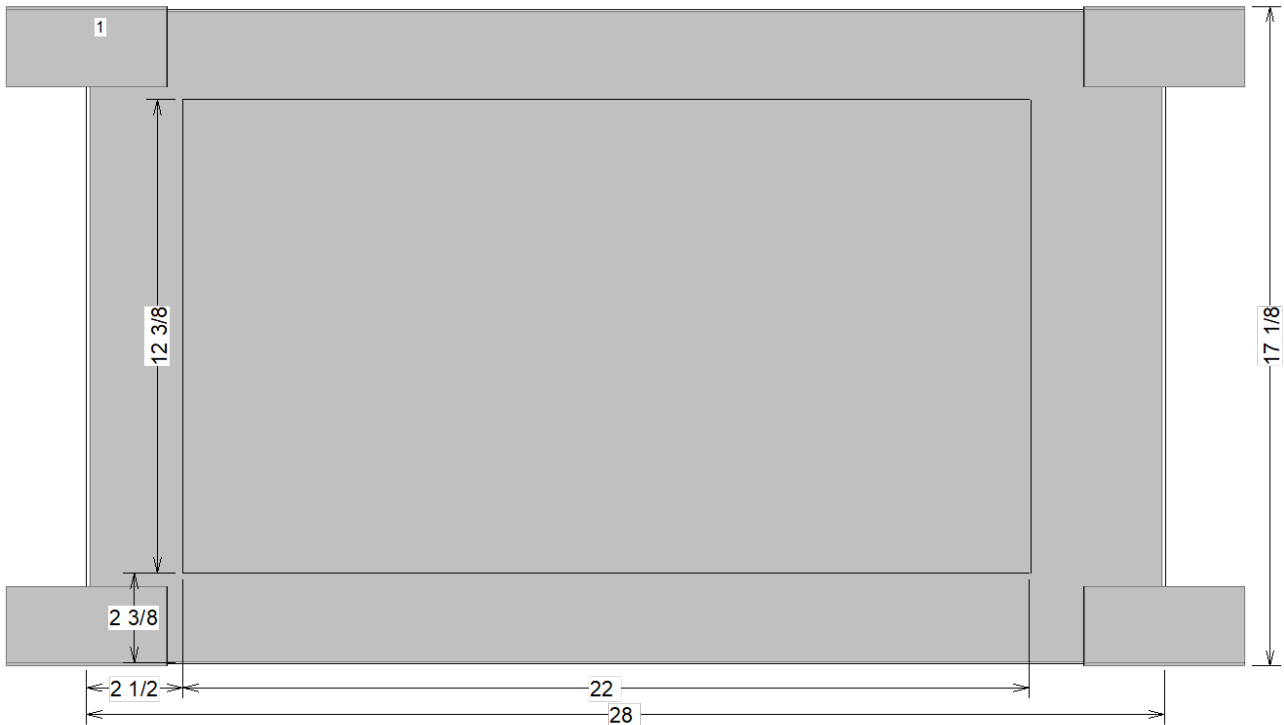
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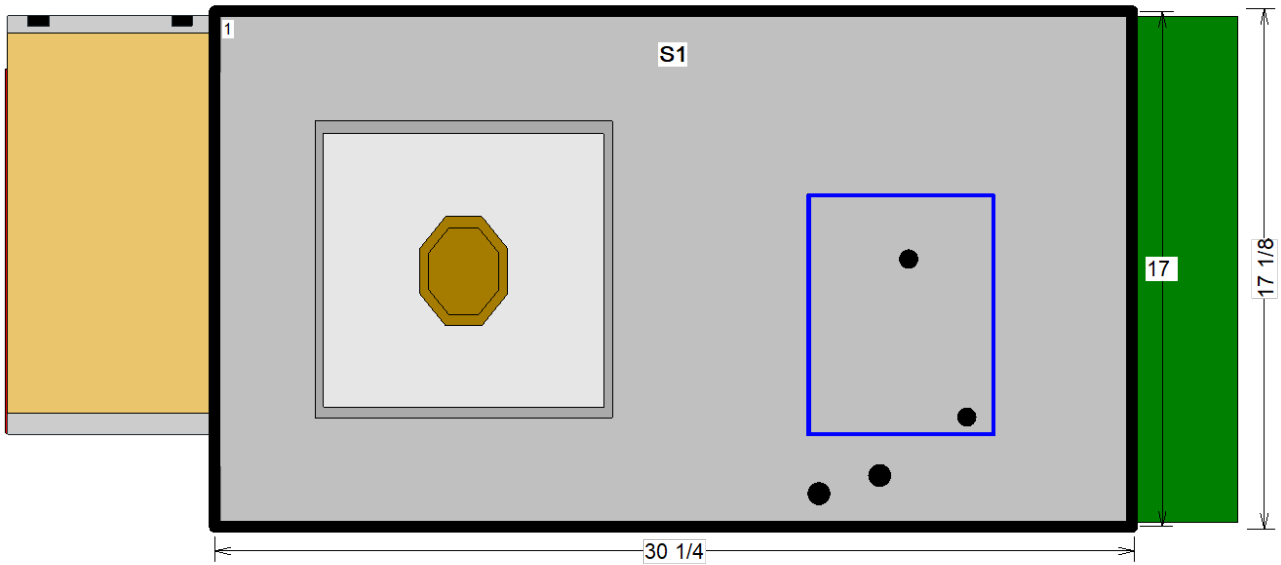
Detailed Elevation View: Front - Measurements in inches



Detailed Elevation View: Back - Measurements in inches

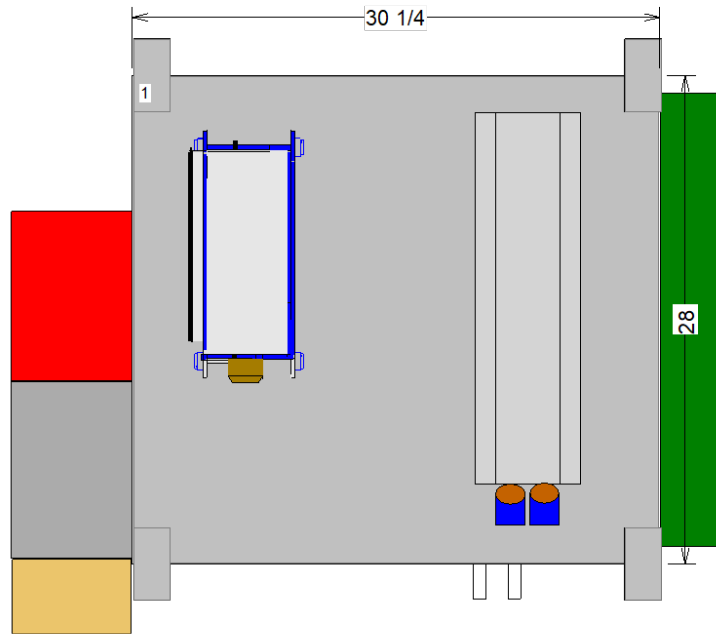
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Shipping splits are indicated by thick black lines

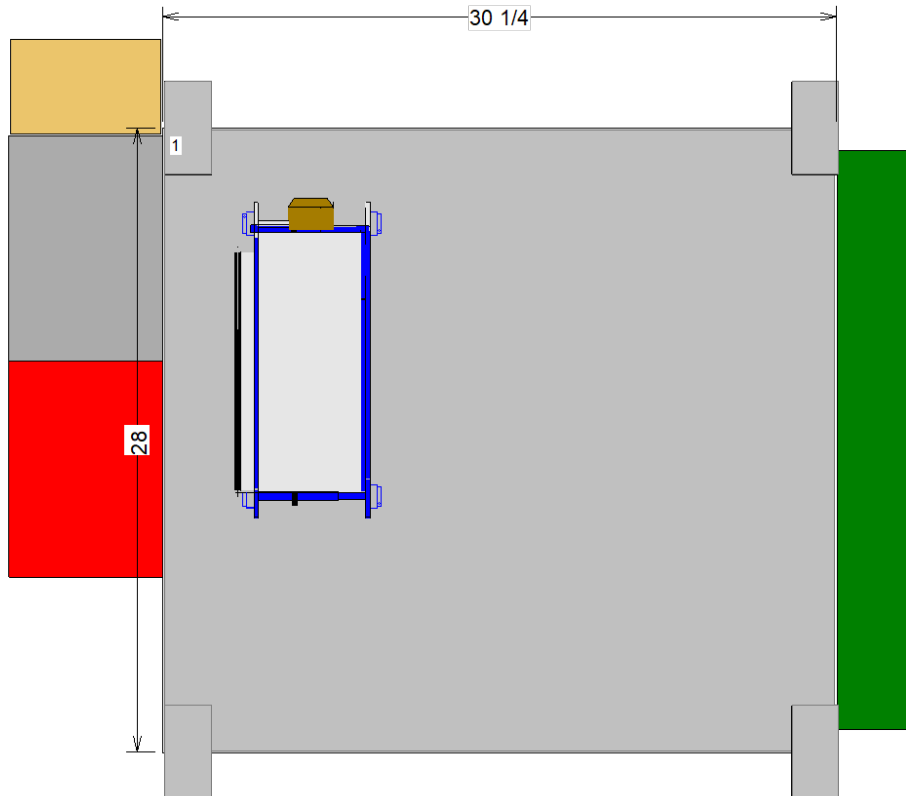
Pos #	Module	Length	Weight
1	Fan and coil section	30 1/4	167.60
			Installed Unit Weight 167.60 lbs



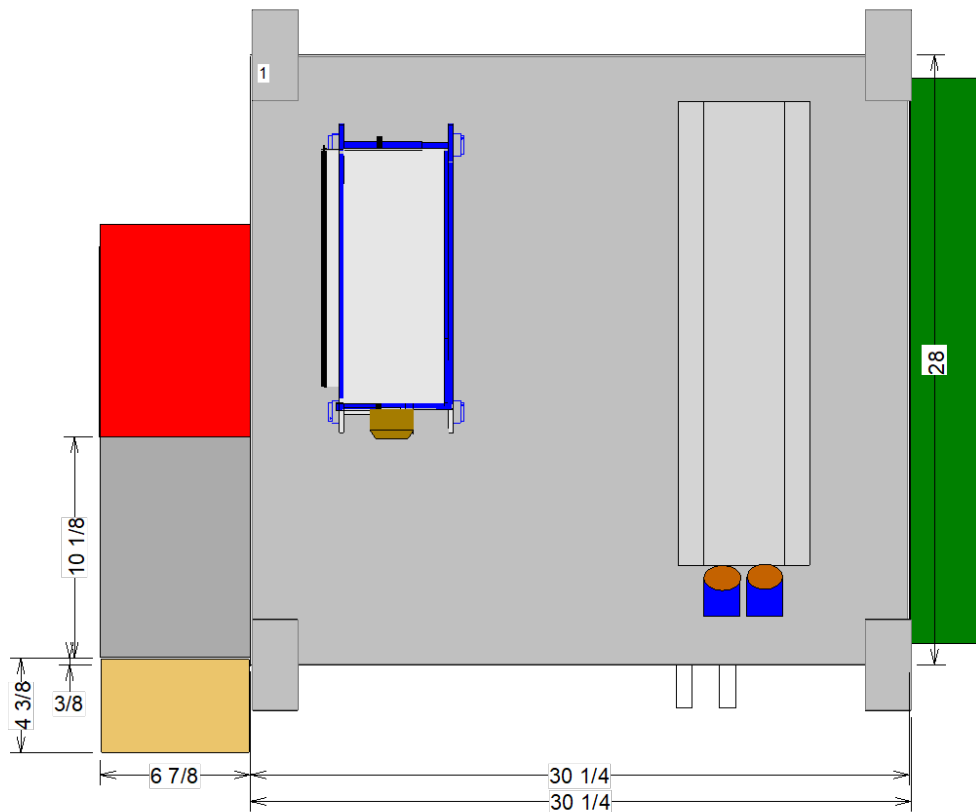
Basic Overall Plan View: Top - Measurements in inches

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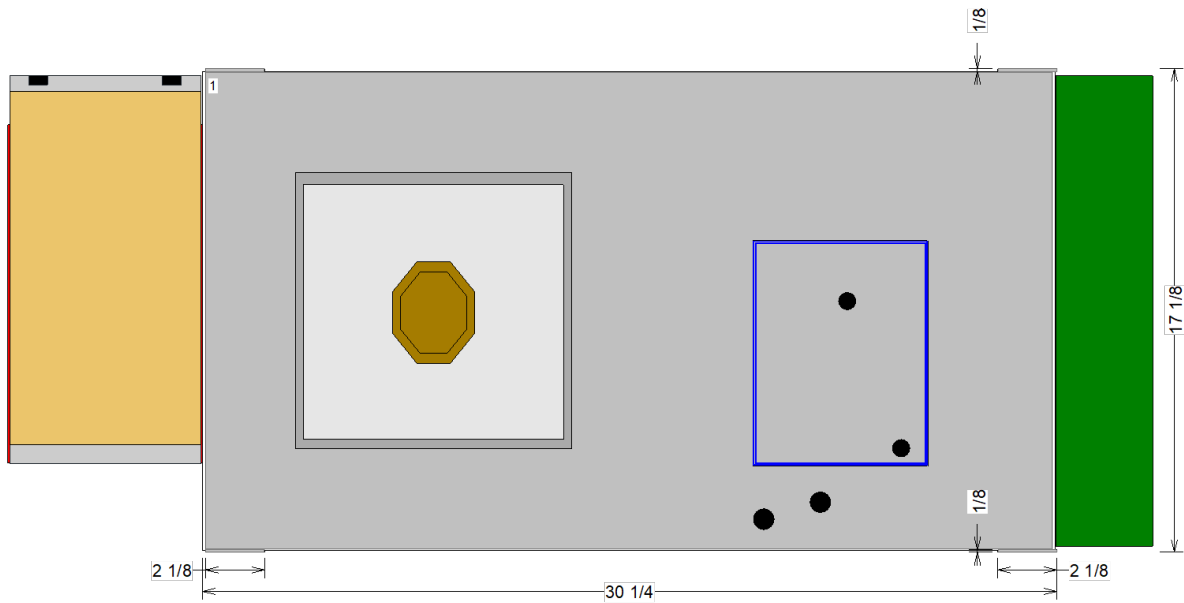
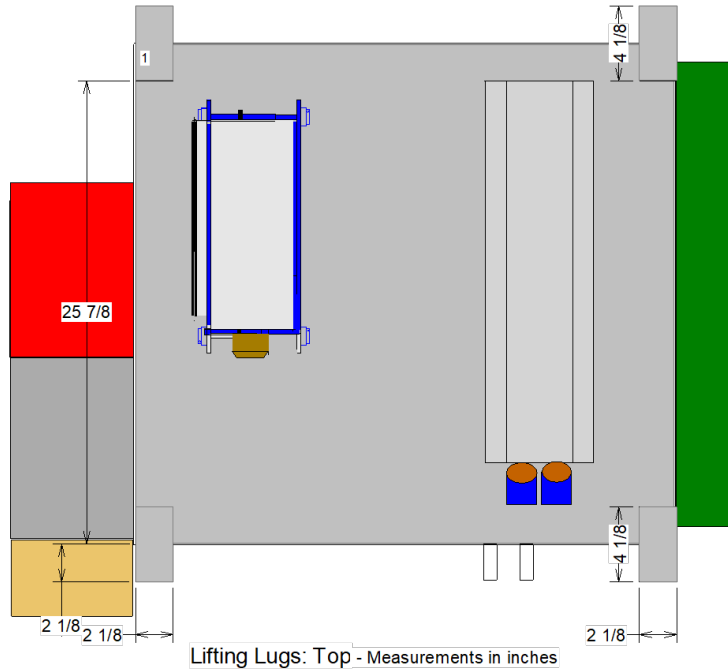
Left Side of Unit Detailed Plan View: Bottom - Measurements in inches



Right Side of Unit Detailed Plan View: Top - Measurements in inches

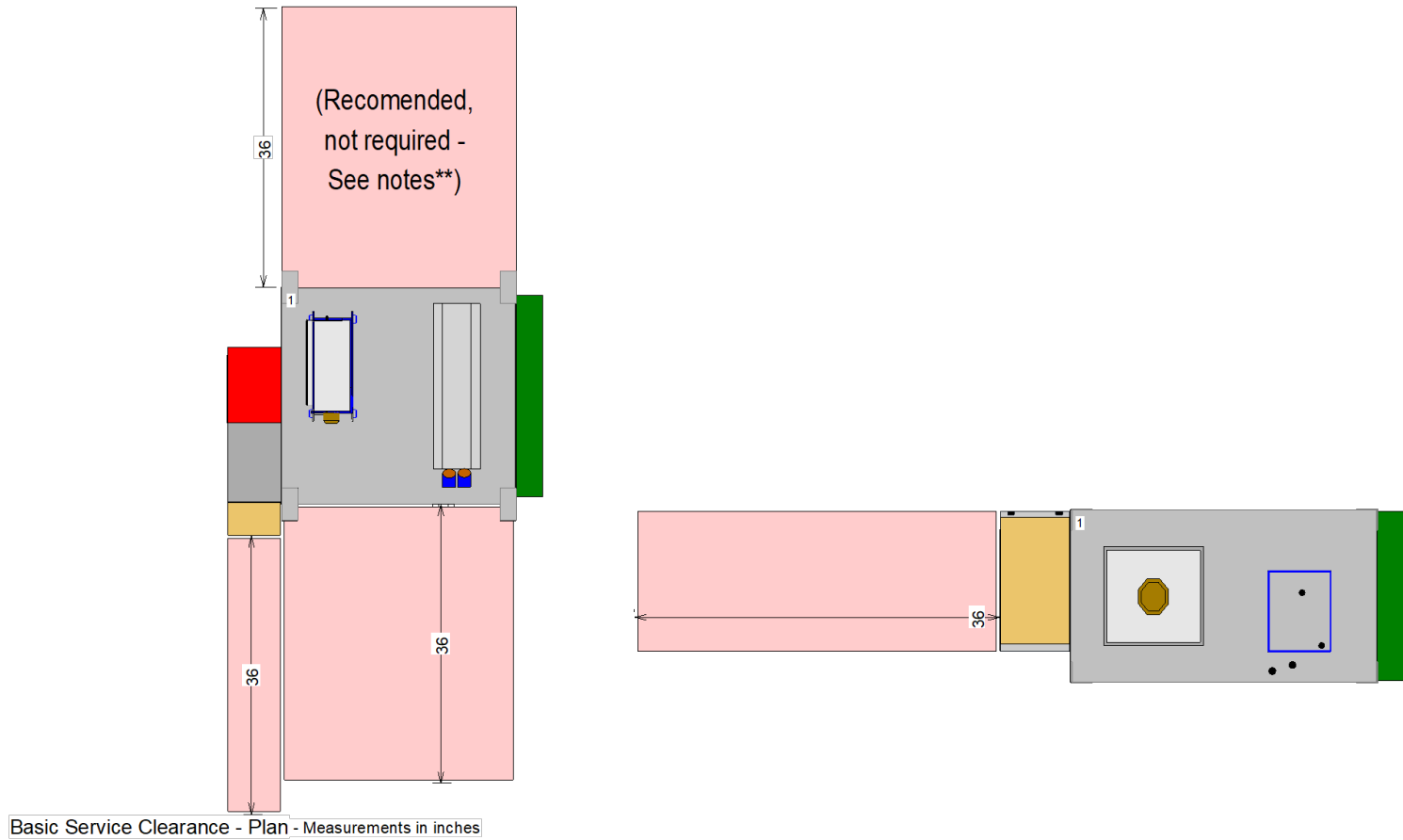
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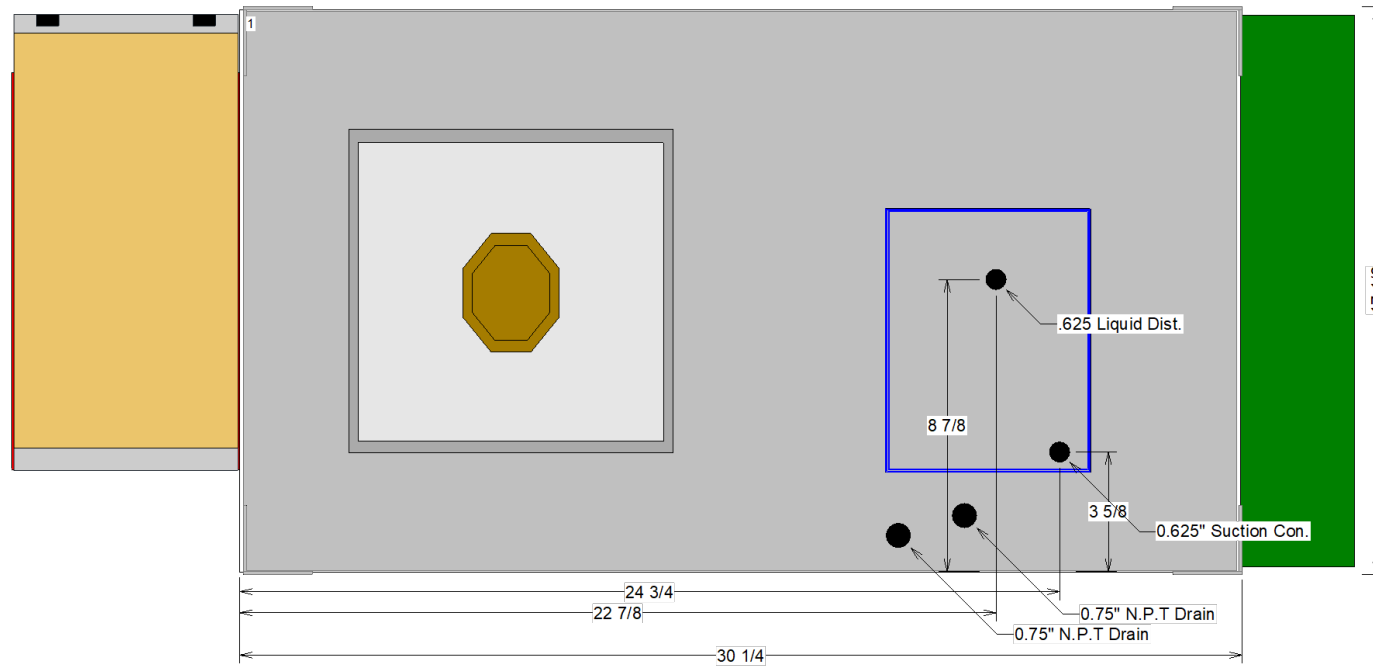
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The coil(s) are intended to be removed from the coil connection side of the unit  
 In the event of a coil removal, the clearance located opposite of the coil connection side is required to remove hardware that secures the coil  
 \*\*If the clearance opposite of the coil connection side of the unit is not available, the unit will need to be repositioned at the time of the coil removal\*\*

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