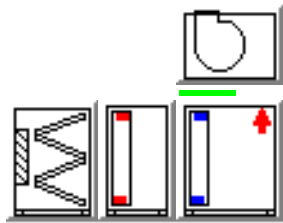


Job Name Marriott
Mark for AC-2A
Date May 7, 2017



Unit Parameters

Aero Indoor Air Handler
39MN Size 21W
Insulation: R-13 Double Wall Sealed Panel
Exterior Finish: Painted Exterior Panels
Interior Finish: Galvanized Pre-painted with AgION antimicrobial
Level I Thermal Break
6 inch tall Base Rail

Filter Mixing Box

Damper: Rear Standard Opposed
2In. Angle Filter
2" Pleated MERV 8 Filter
Qty (12) 16in. x 25in.
Door Right Side

Hot Water Coil and Plenum

Hot Water 21.44 sq.ft 1 Row 11 FPI Half Circuit
Coil Connection Left Side
1/2 in. Tube Diameter
AL fins 304 Stainless Steel Casing
Non-Ferrous Header
E-Coat
Door Right Side

Chilled Water Coil

Shipping Split After
304 Stainless Steel Drain Pan Left Side
Chilled Water 21.44 sq.ft 6 Row 8 FPI Full Circuit
Coil Connection Left Side
1/2 in. Tube Diameter
AL fins 304 Stainless Steel Casing
Non-Ferrous Header
E-Coat

SUBJECT TO CHANGE WITHOUT NOTICE

Job Name Marriott
Mark for AC-2A
Date May 7, 2017

Door Right Side

Draw-Thru Supply Fan

Bottom Inlet

Fan Sled

Forward Curve B FCA20_18A

880 fanRPM Class I

UpBlast Rear Discharge

Right Side Fan Motor Location

Spring Fan Isolation

Motor

7.5 HP Premium Efficiency TEFC 208-230/460 3Ph 60Hz 1800 RPM

Manufacturer - Generic

Frame Size - 213T

Motor Shaft Diameter (in.) - 1.375

Voltage Selected - 460/3/60

Full Load Amps - 9.5

MCA - 11.9

MOCP - 20

Efficiency - 91.7%

Belt Drive

1.2 Service Factor

Fixed Pitch Drive

1 or more belts

Door Right Side

Configuration Notes

Preheat coil configurations can cause freeze stat to trip if the downstream cooling coil isn't drained in heating season and/or PID valve control loop is too slow to react.

Discharge duct(s) must be gasketed and screwed directly to the discharge panel of the unit.

Weights and Dimensions

(LxWxH in ft in) 10' 0" x 6' 7" x 9' 10" **

Operating 3506 LB **

Weights and Dimensions are approximate. Weights include base unit weight, coils (wet & dry), fans and fan motors, and other components, but does not include filters, drives and skids. Approximate dimensions are provided primarily for shipping purposes. Shipping skids are not included.
All filter media efficiency ratings are for the filter media only.

SUBJECT TO CHANGE WITHOUT NOTICE

Chilled Water Coil Performance Summary

Project: Marriott
Tag: AC-2A

Cooling Application's Balance Criteria: Fluid Flow

Coil Model _____
Row / FPI / Circ _____
Fin Type _____
Face Area Type _____
Coil Face Area _____
Face Velocity _____
Fin-Casing Material _____
Tube Diameter _____
Tube spacing: Stf x Str _____
Tube Wall Thickness _____
Actual Airflow _____
Site Altitude _____
Total Cooling Capacity _____
Sensible Cooling Capacity _____
Fluid Flow Rate _____
Fluid Pressure Drop _____
Fluid Velocity _____
Entering Fluid Temperature _____
Leaving Fluid Temperature _____
Fluid Temperature Rise _____
Entering Air Dry Bulb _____
Entering Air Wet Bulb _____
Entering Air Enthalpy _____
Leaving Air Dry Bulb _____
Leaving Air Wet Bulb _____
Leaving Air Enthalpy _____
Air Friction _____
Brine _____
Brine Concentration _____
Fouling Factor _____

Carrier 28MC
6 / 8 / FL

Sine Wave

Large

21.44 sqft

407.2 fpm

Al-St. Stl.

0.5 in

1.25 x 0.781 in

0.016 in

8730 CFM

0 ft

284.30 MBH

277.82 MBH

56.7 gpm

5.0 ft wg

2.6 ft/s

45.00 F

55.00 F

10.0 F

83.00 F

63.00 F

28.43 BTU/lb

52.82 F

51.12 F

20.9 BTU/lb

0.46 in wg

FW

0 %

0.0 (hr-sqft-F)/BTU



NOTE: Certified in accordance with the AHRI Forced-Circulation Air-Cooling and Air-Heating Coils Certification Program which is based on AHRI Standard 410 within the Range of Standard Rating Conditions listed in Table 1 of the Standard. Certified units may be found in the AHRI Directory (www.ahridirectory.org).

Hot Water Coil Performance Summary

Project: Marriott
Tag: AC-2A

Heating Application's Balance Criteria: Fluid Flow

Coil Model _____
Row / FPI / Circ _____
Fin Type _____
Face Area Type _____
Coil Face Area _____
Face Velocity _____
Fin-Casing Material _____
Tube Diameter _____
Tube spacing: Stf x Str _____
Tube Wall Thickness _____
Actual Airflow _____
Site Altitude _____
Heating Capacity _____
Fluid Flow Rate _____
Fluid Pressure Drop _____
Fluid Velocity _____
Entering Fluid Temperature _____
Leaving Fluid Temperature _____
Fluid Temperature Drop _____
Entering Air Temperature _____
Leaving Air Temperature _____
Air Friction _____
Brine _____
Brine Concentration _____
Fouling Factor _____

Carrier 28MH
1 / 11 / HF

Sine Wave

Large

21.44 sqft

407.2 fpm

Al-St. Stl.

0.5 in

1.25 x 0.781 in

0.016 in

8730 CFM

0 ft

381.84 MBH

38.9 gpm

3.9 ft wg

3.4 ft/s

160.00 F

140.00 F

20.0 F

38.80 F

76.80 F

0.28 in wg

FW

0 %

0.0 (hr-sqft-F)/BTU



NOTE: Certified in accordance with the AHRI Forced-Circulation Air-Cooling and Air-Heating Coils Certification Program which is based on AHRI Standard 410 within the Range of Standard Rating Conditions listed in Table 1 of the Standard. Certified units may be found in the AHRI Directory (www.ahridirectory.org).

Unit Acoustics Summary

Project: Marriott
Tag: AC-2A

Unit Acoustics Sound Power Level:

	Discharge Inlet Casing		
63 Hz _____	98	87	89
125 Hz _____	93	83	84
250 Hz _____	94	76	78
500 Hz _____	85	66	69
1000 Hz _____	84	67	68
2000 Hz _____	80	63	64
4000 Hz _____	76	60	51
8000 Hz _____	70	51	45

Sound power levels for 39M units are rated in accordance with AHRI Standard 260.

Unit Acoustics A-weighted Sound Power Level:

	Discharge Inlet Casing		
63 Hz _____	72	61	63
125 Hz _____	77	67	68
250 Hz _____	85	67	69
500 Hz _____	81	62	65
1000 Hz _____	84	67	68
2000 Hz _____	81	64	65
4000 Hz _____	77	61	52
8000 Hz _____	69	50	44

Sound power levels for 39M units are rated in accordance with AHRI Standard 260.

Supply Fan Performance Summary

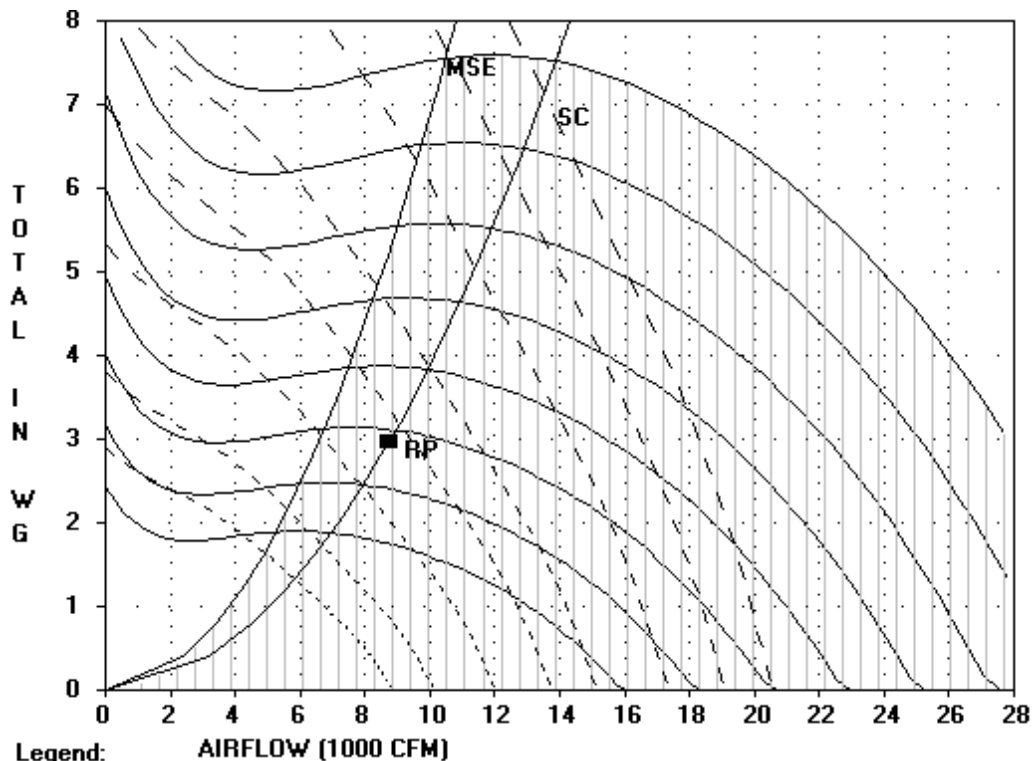
Project: Marriott
Tag: AC-2A

Fan Model	39M
Unit Size	21
Fan Type	FORWARD CURVED
Fan Wheel Diameter	20
Fan Class	I
Fan Application	Draw Thru
Orientation	Vertical
Actual Airflow, CFM	8730
Site Altitude, ft	0
Upstream Ext. Static, in wg	0.00
Downstream Ext. Static, in wg	1.50
Cooling Coil Static, in wg	0.46
Heating Coil Static, in wg	0.28
Other Losses, in wg	0.00
Total Accessory Static, in wg	0.66
Total Static Pressure, in wg	2.97
Calculated Fan RPM / Motor RPM	880 / 1800
Class I Max. RPM	952
Static Efficiency (%)	62
Fan BHP	6.6



Accessories:

- (1) Filter/Mixing Box Pleated (2") MERV 8, Dirty [0.54]
- (1) Mixing or Exhaust Box [0.12]



RPM = 880 BHP = 6.6 CLASS I MAX. RPM = 952

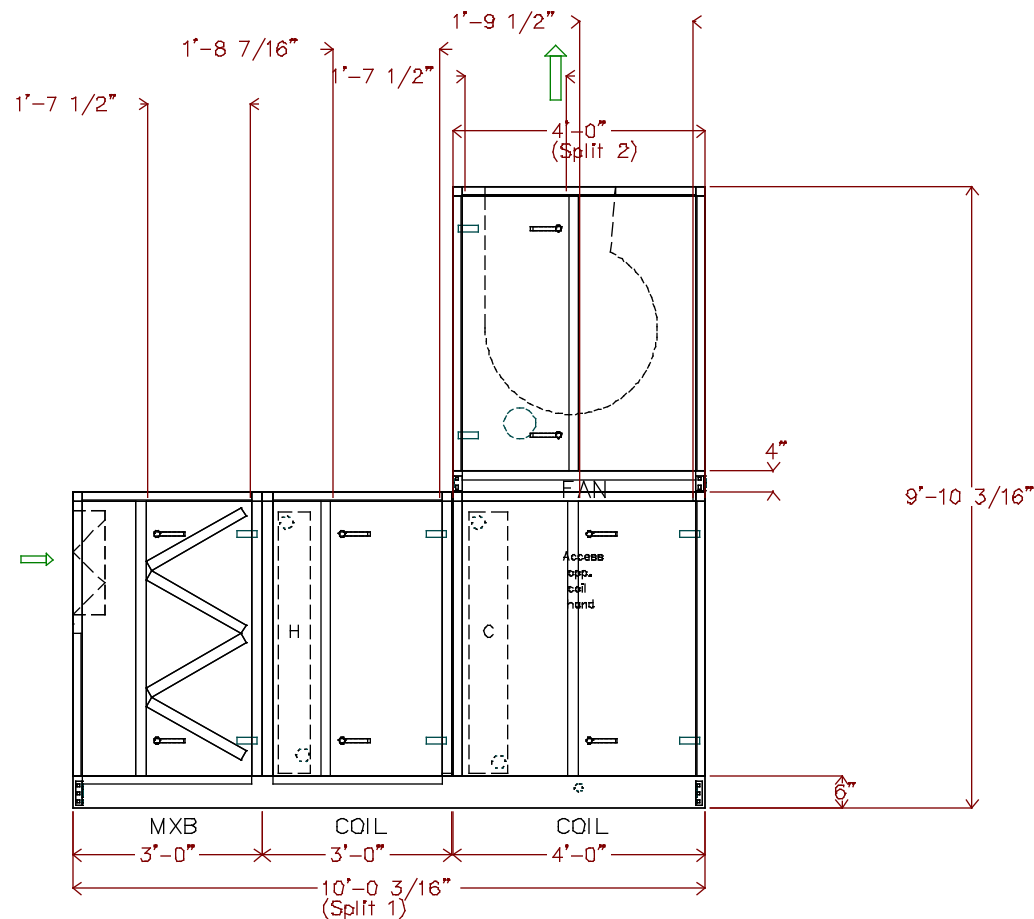
RPM's (x 100, L to R): 7. 8. 9. 10. 11. 12. 13. 14.

BHP's (L to R): 2 3 5 7.5 10 15 20 25

Unit width: 6'-7" (plus lifting lugs)
 2In. Angle Filter
 Qty (12) 16in. x 25in.
 Hot Water 1 Row 11 FPI Half Circuit (qty. 1)
 Chilled Water 6 Row 8 FPI Full Circuit (qty. 1)
 Draw-Thru Supply Fan

7.5 HP Premium Efficiency TEFC 208-230/460 3Ph 60Hz 1800 RPM
 Operating weight: 3507.0 lbs.
 Upstream Corner Weight (each): 665.0 lbs.
 Downstream Corner Weight (each): 1089.0 lbs.

Split	Airway Length	Weight (lbs.)
(Split 1)	10'-0 3/16"	2163
(Split 2)	4'-0"	1344



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39MN

DATE
 5/7/2017

Configurator Ver.
 v6.52 03/14/17

39M Central Station Air-Handler, Size 21
 Marriott: AC-2A
 Assembly Drawing

REVISION
 Side View

Unit viewed from right side of side elevation view.
 Unit length: 10'-0 3/16"
 2In. Angle Filter
 Qty (12) 16In. x 25In.
 Hot Water 1 Row 11 FPI Half Circuit (qty. 1)
 Chilled Water 6 Row 8 FPI Full Circuit (qty. 1)

Draw-Thru Supply Fan
 7.5 HP Premium Efficiency TEFC 208-230/460 3Ph 60Hz 1800 RPM
 Operating weight: 3507.0 lbs.
 Upstream Corner Weight (each): 665.0 lbs.
 Downstream Corner Weight (each): 1089.0 lbs.

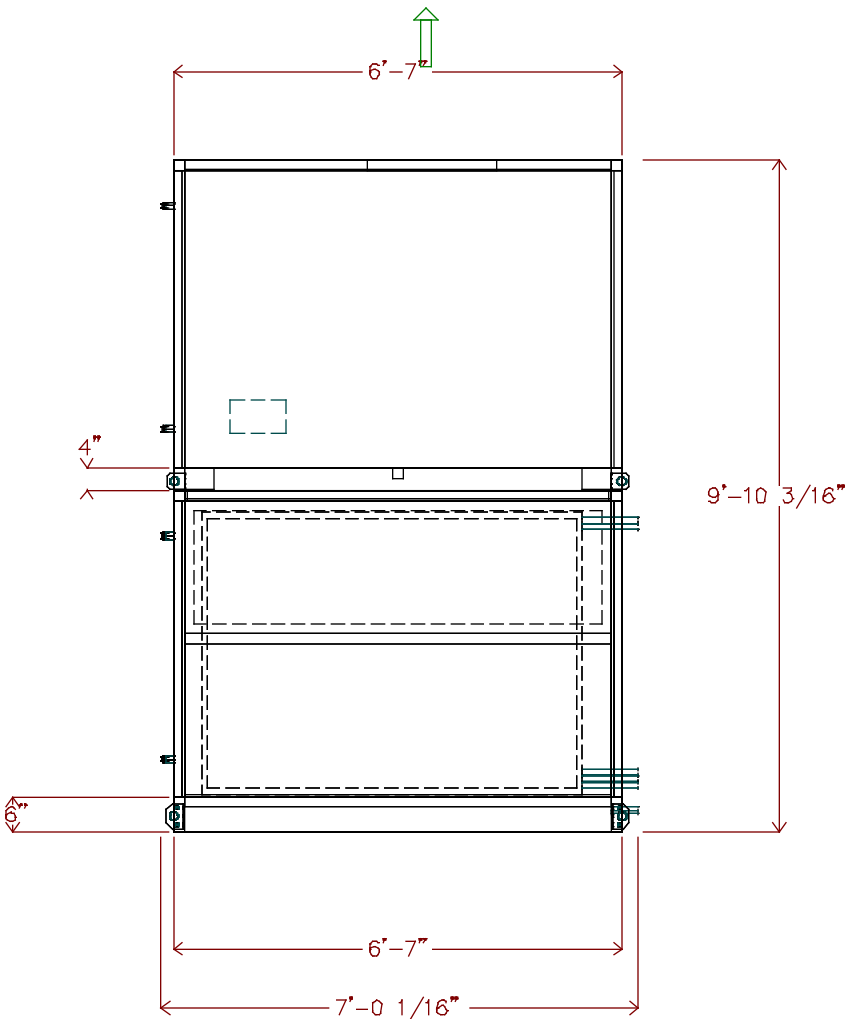


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39MN



DATE
 5/7/2017

Configurator Ver.
 v6.52 03/14/17

39M Central Station Air-Handler, Size 21
 Marriott: AC-2A
 Assembly Drawing

REVISION
 End View

Unit height: 9'-10 3/16"
 2In. Angle Filter
 Qty (12) 16in. x 25in.
 Hot Water 1 Row 11 FPI Half Circuit (qty. 1)
 Chilled Water 6 Row 8 FPI Full Circuit (qty. 1)
 Draw-Thru Supply Fan

7.5 HP Premium Efficiency TEFC 208-230/460 3Ph 60Hz 1800 RPM
 Operating weight: 3507.0 lbs.
 Upstream Corner Weight (each): 665.0 lbs.
 Downstream Corner Weight (each): 1089.0 lbs.

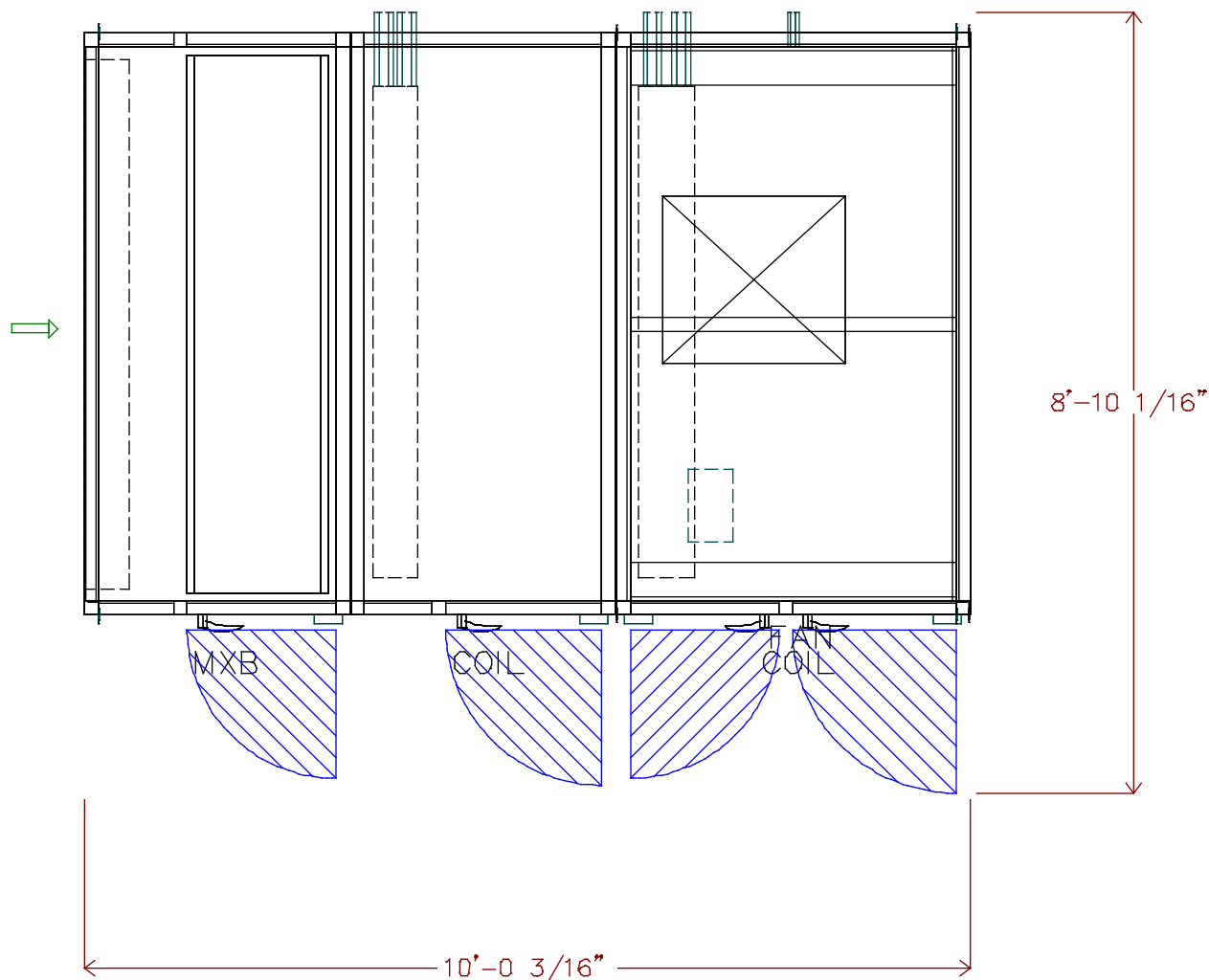


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39MN



DATE
 5/7/2017

Configurator Ver.
 v6.52 03/14/17

39M Central Station Air-Handler, Size 21
 Marriott: AC-2A
 Assembly Drawing

REVISION
 Top View

Hot Water 1 Row 11 FPI Half Circuit (qty. 1)
Chilled Water 6 Row 8 FPI Full Circuit (qty. 1)

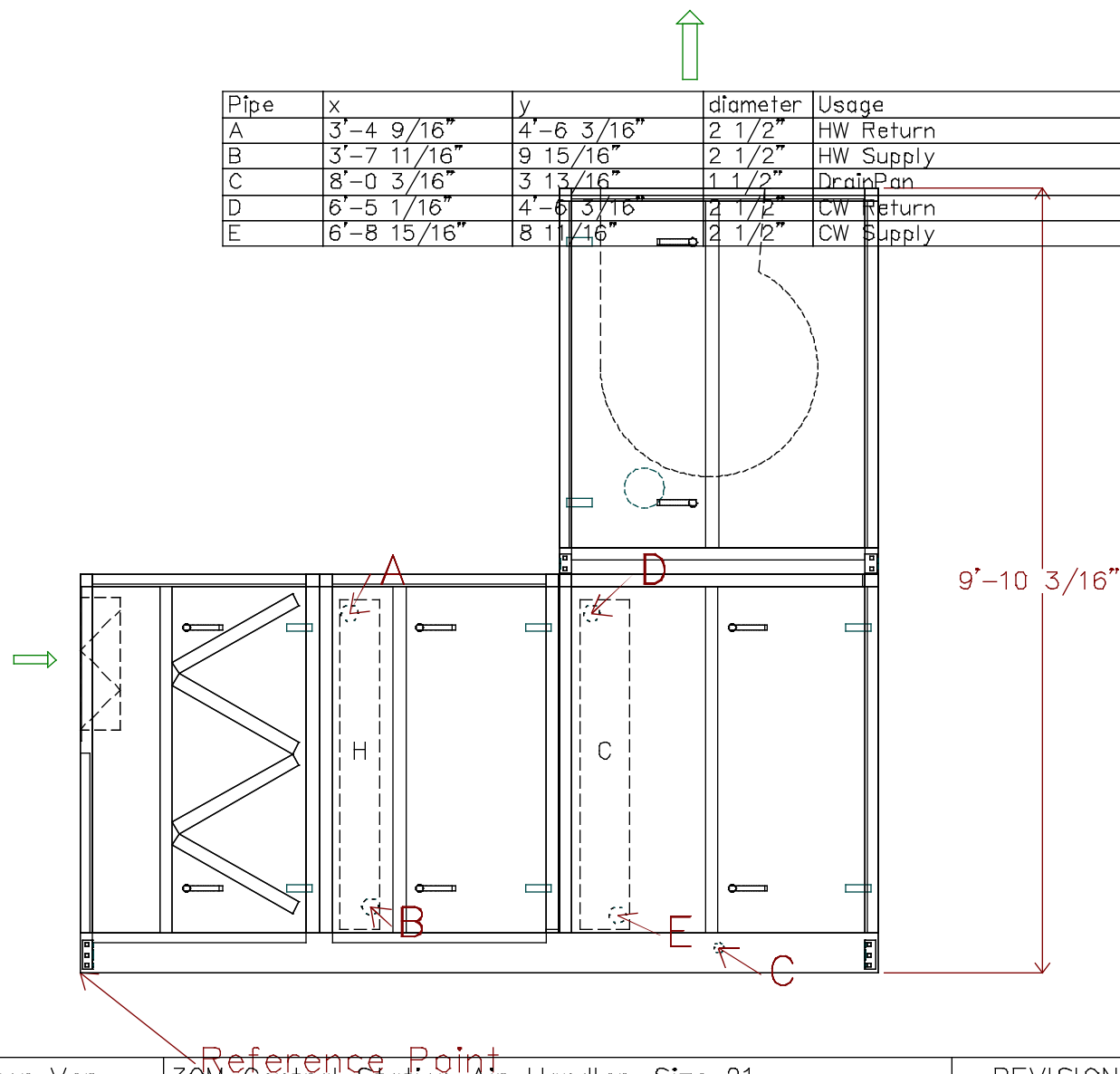


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39MN



Pipe	x	y	diameter	Usage
A	3'-4 9/16"	4'-6 3/16"	2 1/2"	HW Return
B	3'-7 11/16"	9 15/16"	2 1/2"	HW Supply
C	8'-0 3/16"	3 13/16"	1 1/2"	DrainPan
D	6'-5 1/16"	4'-6 3/16"	2 1/2"	CW Return
E	6'-8 15/16"	8 11/16"	2 1/2"	CW Supply

Reference Point

DATE
5/7/2017

Configurator Ver.
v6.52 03/14/17

39M Central Station Air-Handler, Size 21
Marriott: AC-2A
Assembly Drawing

REVISION
Side View



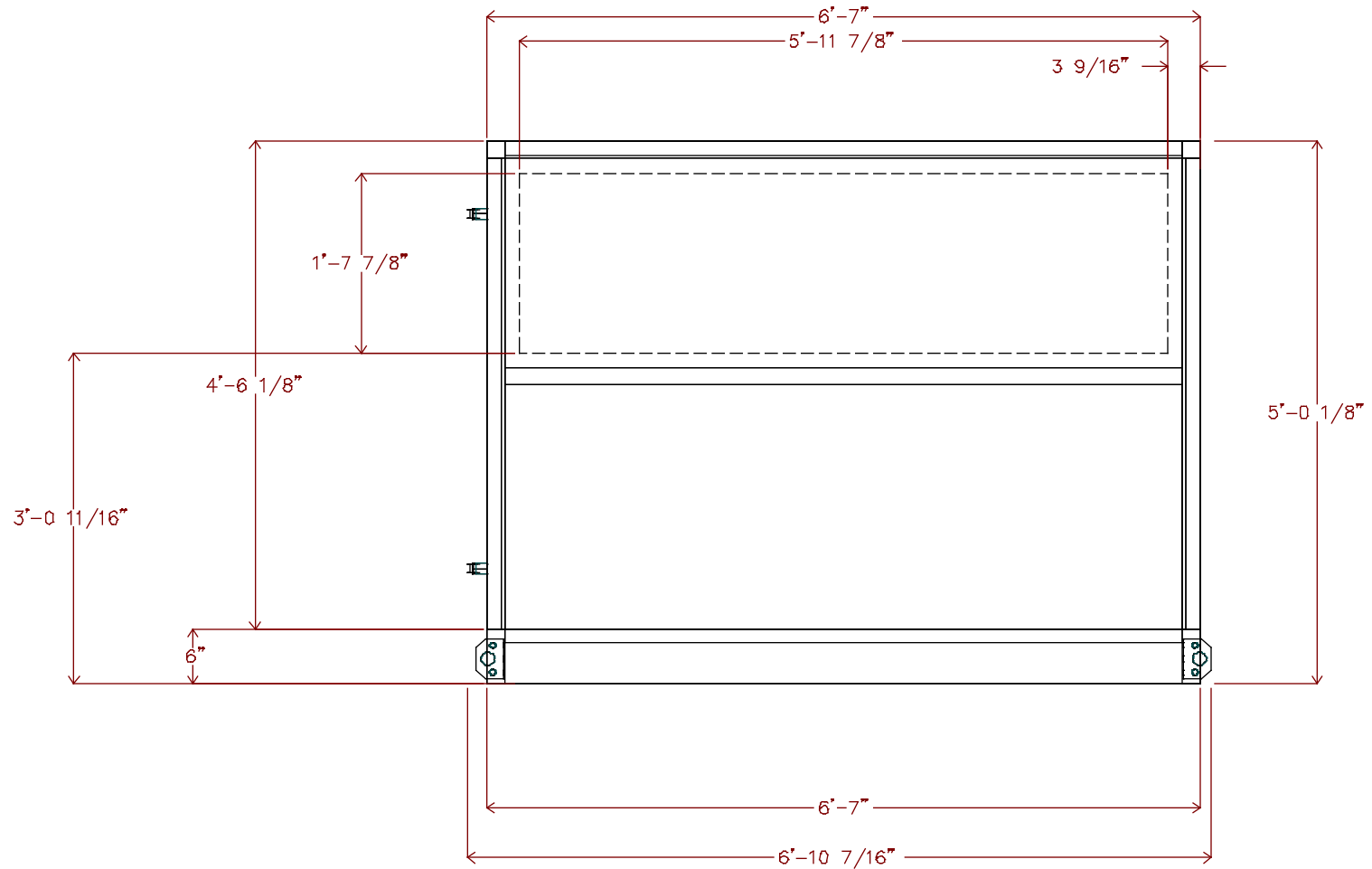
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39MN

Unit viewed from right side of side elevation view.
2In. Angle Filter
Qty (12) 16In. x 25In.



DATE
5/7/2017

Configurator Ver.
v6.52 03/14/17

39M Central Station Air-Handler, Size 21
Marriott: AC-2A
Filter Mixing Box

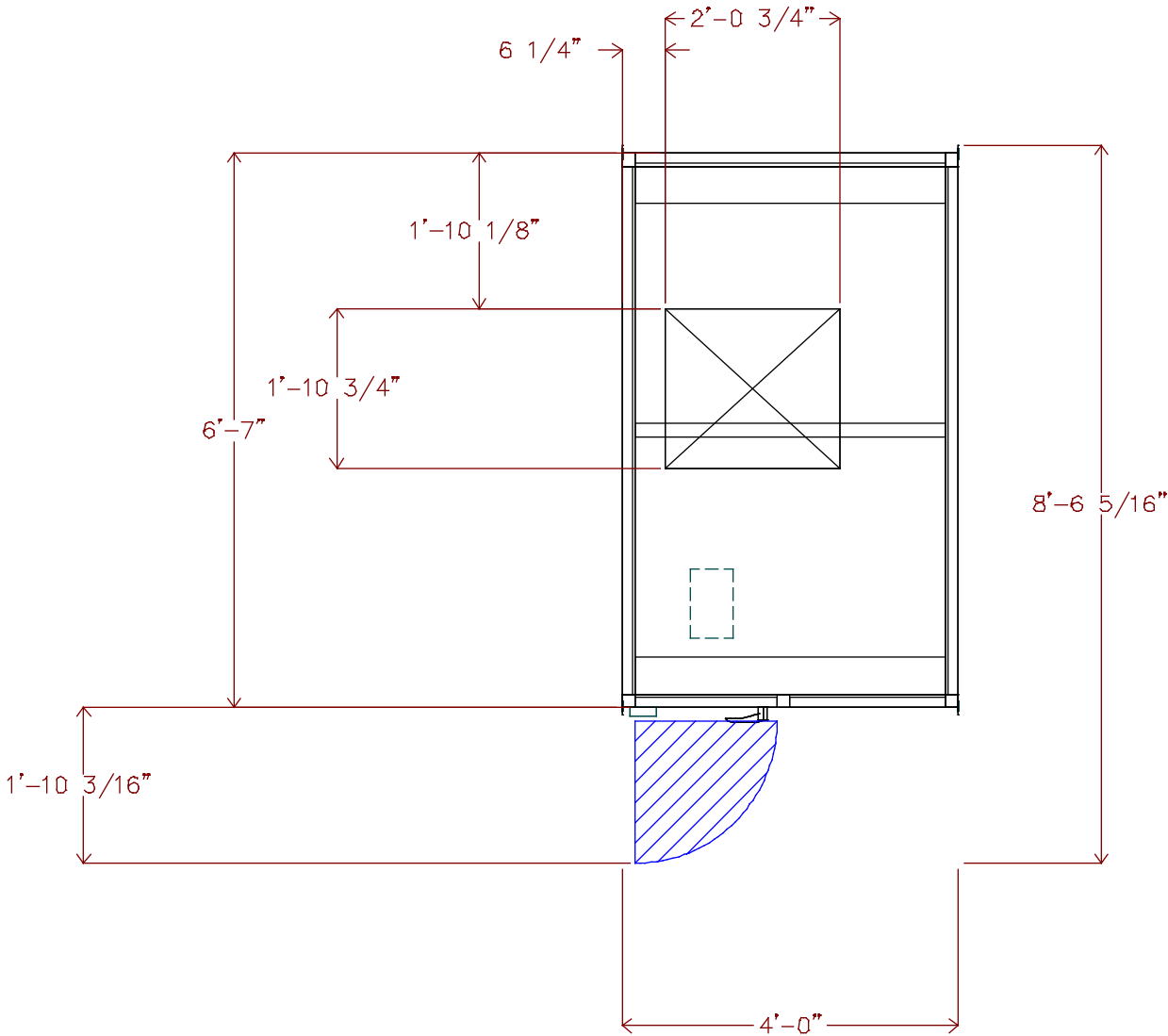
REVISION
End View

Draw-Thru Supply Fan
7.5 HP Premium Efficiency TEFC 208-230/460 3Ph 60Hz 1800 RPM

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39MN



DATE
5/7/2017

Configurator Ver.
v6.52 03/14/17

39M Central Station Air-Handler, Size 21
Marriott: AC-2A
Draw-Thru Supply Fan

REVISION
Top View



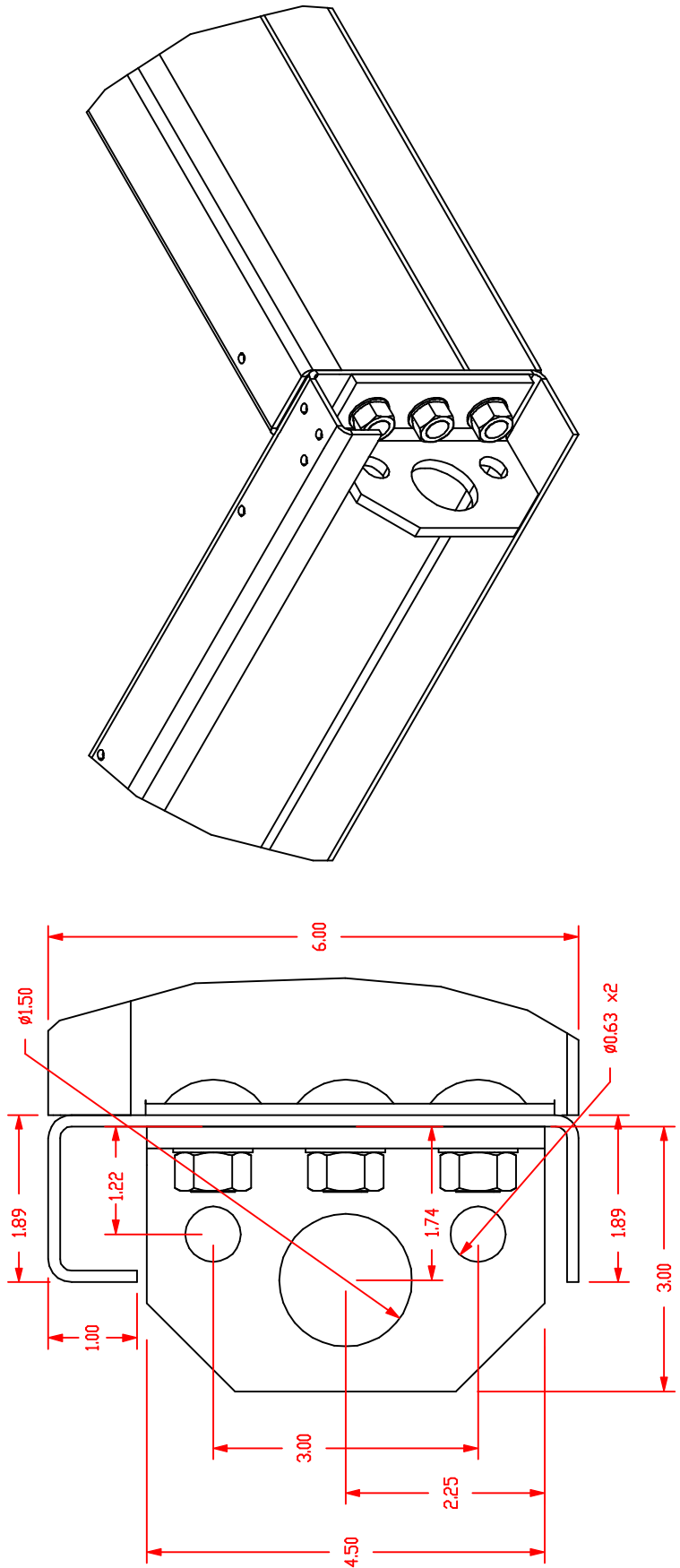
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39M



REVISION

Size: 03 - 110

39M Central Station Air-Handler, Size: 03 - 110
6" Baserail and Lifting Lug Detail

Air Filter Submittal

Project: Marriott
Unit Tag: AC-2A

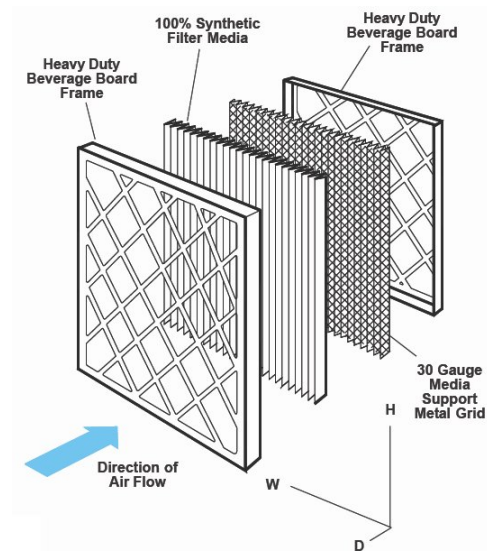
Carrier Part Number	31K2B0000001216253
Kit Description	Filter Kit
Unit Airflow, CFM	8730
Filter Velocity, FPM	262
Filter Sizes and Quantities	Qty (12) 16in. x 25in.

Quality Pleat

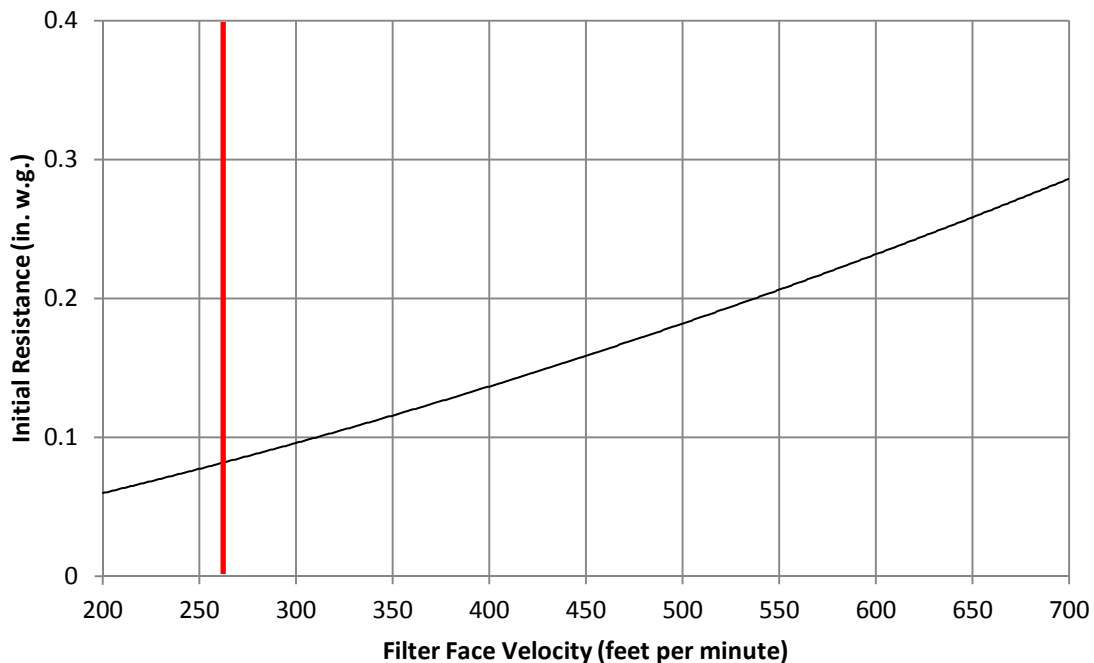
MERV 8 Pleated Filter

The 100% synthetic graduated density media is continuously bonded to a 30 gauge galvanized, corrosion resistant, expanded metal support grid with an effective open area of 96%. The media is resistant to a wide range of chemicals, does not absorb moisture and will not support microbial growth.

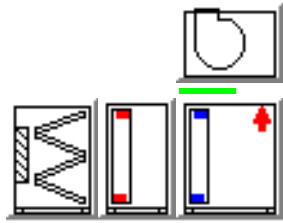
The controlled pleat spacing maximizes surface area and dust holding capacity and is bonded to the enclosure frame to prevent dust bypass. The enclosure frame is constructed of high wet strength moisture resistant beverage board. The diagonal support members of the frame are bonded to the entering and exiting apexes of each pleat to prevent pleat collapse and filter bowing.



Filter Pleated (2") MERV 8



Job Name Marriott
Mark for AC-4
Date May 7, 2017



Unit Parameters

Aero Indoor Air Handler
39MN Size 10W
Insulation: R-13 Double Wall Sealed Panel
Exterior Finish: Painted Exterior Panels
Interior Finish: Galvanized Pre-painted with AgION antimicrobial
Level I Thermal Break
6 inch tall Base Rail

Filter Mixing Box

Damper: Rear Standard Opposed
2In. Angle Filter
2" Pleated MERV 8 Filter
Qty (6) 16in. x 20in.
Door Right Side

Hot Water Coil and Plenum

Hot Water 9.93 sq.ft 1 Row 11 FPI Half Circuit
Coil Connection Left Side
1/2 in. Tube Diameter
AL fins 304 Stainless Steel Casing
Non-Ferrous Header
E-Coat
Door Right Side

Chilled Water Coil

Shipping Split After
304 Stainless Steel Drain Pan Right Side
Chilled Water 9.93 sq.ft 6 Row 8 FPI Full Circuit
Coil Connection Right Side
1/2 in. Tube Diameter
AL fins 304 Stainless Steel Casing
Non-Ferrous Header
E-Coat

SUBJECT TO CHANGE WITHOUT NOTICE

Job Name Marriott
Mark for AC-4
Date May 7, 2017

Door Right Side

Draw-Thru Supply Fan

Bottom Inlet

Fan Sled

Forward Curve A FCA12_12A

1319 fanRPM Class I

UpBlast Rear Discharge

Right Side Fan Motor Location

Spring Fan Isolation

Motor

5 HP Premium Efficiency TEFC 208-230/460 3Ph 60Hz 1800 RPM

Manufacturer - Generic

Frame Size - 184T

Motor Shaft Diameter (in.) - 1.125

Voltage Selected - 460/3/60

Full Load Amps - 6.6

MCA - 8.3

MOCP - 10

Efficiency - 89.5%

Belt Drive

1.2 Service Factor

Variable Pitch Drive

1 or more belts

Door Right Side

Configuration Notes

Preheat coil configurations can cause freeze stat to trip if the downstream cooling coil isn't drained in heating season and/or PID valve control loop is too slow to react.

Discharge duct(s) must be gasketed and screwed directly to the discharge panel of the unit.

Weights and Dimensions

(LxWxH in ft in) 9' 0" x 5' 7" x 6' 6" **

Operating 2226 LB **

Weights and Dimensions are approximate. Weights include base unit weight, coils (wet & dry), fans and fan motors, and other components, but does not include filters, drives and skids. Approximate dimensions are provided primarily for shipping purposes. Shipping skids are not included.
All filter media efficiency ratings are for the filter media only.

SUBJECT TO CHANGE WITHOUT NOTICE

Chilled Water Coil Performance Summary

Project: Marriott
Tag: AC-4

Cooling Application's Balance Criteria: Fluid Flow

Coil Model _____
Row / FPI / Circ _____
Fin Type _____
Face Area Type _____
Coil Face Area _____
Face Velocity _____
Fin-Casing Material _____
Tube Diameter _____
Tube spacing: Stf x Str _____
Tube Wall Thickness _____
Actual Airflow _____
Site Altitude _____
Total Cooling Capacity _____
Sensible Cooling Capacity _____
Fluid Flow Rate _____
Fluid Pressure Drop _____
Fluid Velocity _____
Entering Fluid Temperature _____
Leaving Fluid Temperature _____
Fluid Temperature Rise _____
Entering Air Dry Bulb _____
Entering Air Wet Bulb _____
Entering Air Enthalpy _____
Leaving Air Dry Bulb _____
Leaving Air Wet Bulb _____
Leaving Air Enthalpy _____
Air Friction _____
Brine _____
Brine Concentration _____
Fouling Factor _____

Carrier 28MC
6 / 8 / FL

Sine Wave

Large

9.93 sqft

398.8 fpm

Al-St. Stl.

0.5 in

1.25 x 0.781 in

0.016 in

3960 CFM

0 ft

126.05 MBH

124.02 MBH

25.1 gpm

3.4 ft wg

2.0 ft/s

45.00 F

55.00 F

10.0 F

83.00 F

63.00 F

28.43 BTU/lb

53.30 F

51.42 F

21.1 BTU/lb

0.41 in wg

FW

0 %

0.0 (hr-sqft-F)/BTU



NOTE: Certified in accordance with the AHRI Forced-Circulation Air-Cooling and Air-Heating Coils Certification Program which is based on AHRI Standard 410 within the Range of Standard Rating Conditions listed in Table 1 of the Standard. Certified units may be found in the AHRI Directory (www.ahridirectory.org).

Hot Water Coil Performance Summary

Project: Marriott
Tag: AC-4

Heating Application's Balance Criteria: Fluid Flow

Coil Model _____
Row / FPI / Circ _____
Fin Type _____
Face Area Type _____
Coil Face Area _____
Face Velocity _____
Fin-Casing Material _____
Tube Diameter _____
Tube spacing: Stf x Str _____
Tube Wall Thickness _____
Actual Airflow _____
Site Altitude _____
Heating Capacity _____
Fluid Flow Rate _____
Fluid Pressure Drop _____
Fluid Velocity _____
Entering Fluid Temperature _____
Leaving Fluid Temperature _____
Fluid Temperature Drop _____
Entering Air Temperature _____
Leaving Air Temperature _____
Air Friction _____
Brine _____
Brine Concentration _____
Fouling Factor _____

Carrier 28MH
1 / 11 / HF

Sine Wave

Large

9.93 sqft

398.8 fpm

Al-St. Stl.

0.5 in

1.25 x 0.781 in

0.016 in

3960 CFM

0 ft

170.32 MBH

17.3 gpm

2.5 ft wg

2.6 ft/s

160.00 F

140.00 F

20.0 F

38.80 F

76.17 F

0.27 in wg

FW

0 %

0.0 (hr-sqft-F)/BTU



NOTE: Certified in accordance with the AHRI Forced-Circulation Air-Cooling and Air-Heating Coils Certification Program which is based on AHRI Standard 410 within the Range of Standard Rating Conditions listed in Table 1 of the Standard. Certified units may be found in the AHRI Directory (www.ahridirectory.org).

Unit Acoustics Summary

Project: Marriott
Tag: AC-4

Unit Acoustics Sound Power Level:

	Discharge Inlet Casing		
63 Hz _____	88	77	79
125 Hz _____	84	74	75
250 Hz _____	89	71	73
500 Hz _____	80	61	64
1000 Hz _____	85	68	69
2000 Hz _____	78	61	62
4000 Hz _____	76	60	51
8000 Hz _____	72	53	47

Sound power levels for 39M units are rated in accordance with AHRI Standard 260.

Unit Acoustics A-weighted Sound Power Level:

	Discharge Inlet Casing		
63 Hz _____	62	51	53
125 Hz _____	68	58	59
250 Hz _____	80	62	64
500 Hz _____	77	58	61
1000 Hz _____	85	68	69
2000 Hz _____	79	62	63
4000 Hz _____	77	61	52
8000 Hz _____	71	52	46

Sound power levels for 39M units are rated in accordance with AHRI Standard 260.

Supply Fan Performance Summary

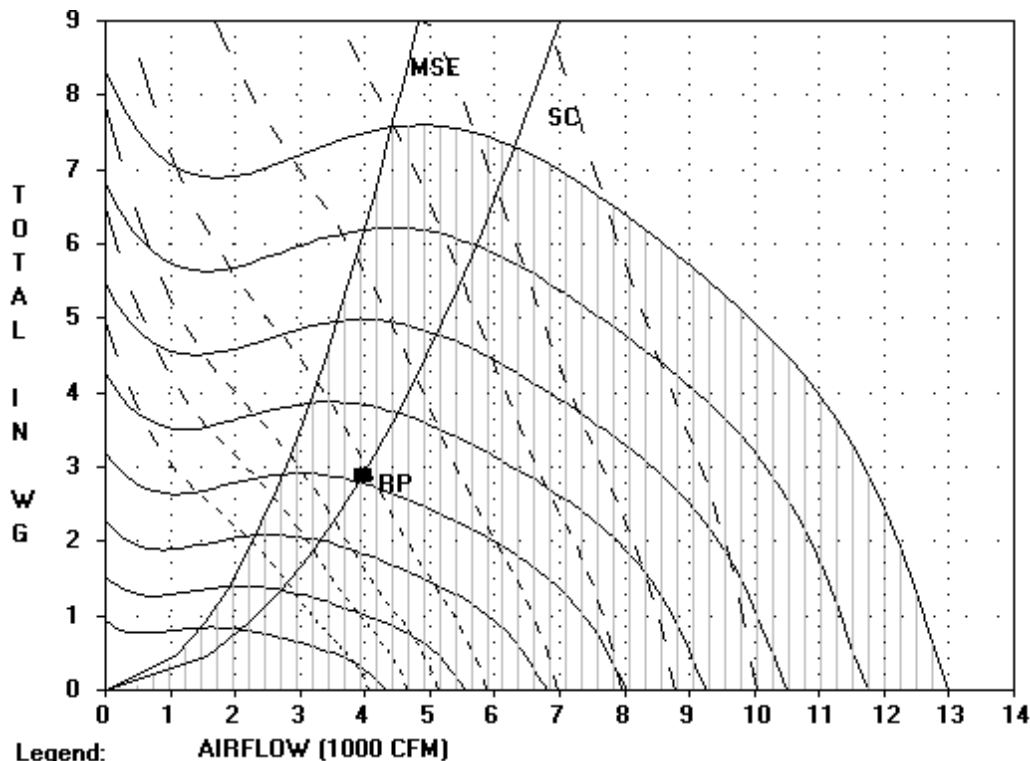
Project: Marriott
Tag: AC-4

Fan Model	39M
Unit Size	10
Fan Type	FORWARD CURVED
Fan Wheel Diameter	12
Fan Class	I
Fan Application	Draw Thru
Orientation	Vertical
Actual Airflow, CFM	3960
Site Altitude, ft	0
Upstream Ext. Static, in wg	0.00
Downstream Ext. Static, in wg	1.50
Cooling Coil Static, in wg	0.41
Heating Coil Static, in wg	0.27
Other Losses, in wg	0.00
Total Accessory Static, in wg	0.62
Total Static Pressure, in wg	2.88
Calculated Fan RPM / Motor RPM	1319 / 1800
Class I Max. RPM	1533
Static Efficiency (%)	63
Fan BHP	2.8



Accessories:

- (1) Filter/Mixing Box Pleated (2") MERV 8, Dirty [0.55]
- (1) Mixing or Exhaust Box [0.07]



Legend:

- RPM - BHP MSE - Max. Static Eff. SC - System Curve RP - Rated Point

RPM = 1319 BHP = 2.8 CLASS I MAX. RPM = 1533

RPM's (x 100, L to R): 7. 9. 11. 13. 15. 17. 19. 21.

BHP's (L to R): 1 1.5 2 3 5 7.5 10 15

Unit width: 5'-7" (plus lifting lugs)
 2In. Angle Filter
 Qty (6) 16in. x 20in.
 Hot Water 1 Row 11 FPI Half Circuit (qty. 1)
 Chilled Water 6 Row 8 FPI Full Circuit (qty. 1)
 Draw-Thru Supply Fan

5 HP Premium Efficiency TEFC 208-230/460 3Ph 60Hz 1800 RPM
 Operating weight: 2227.0 lbs.
 Upstream Corner Weight (each): 407.0 lbs.
 Downstream Corner Weight (each): 706.0 lbs.



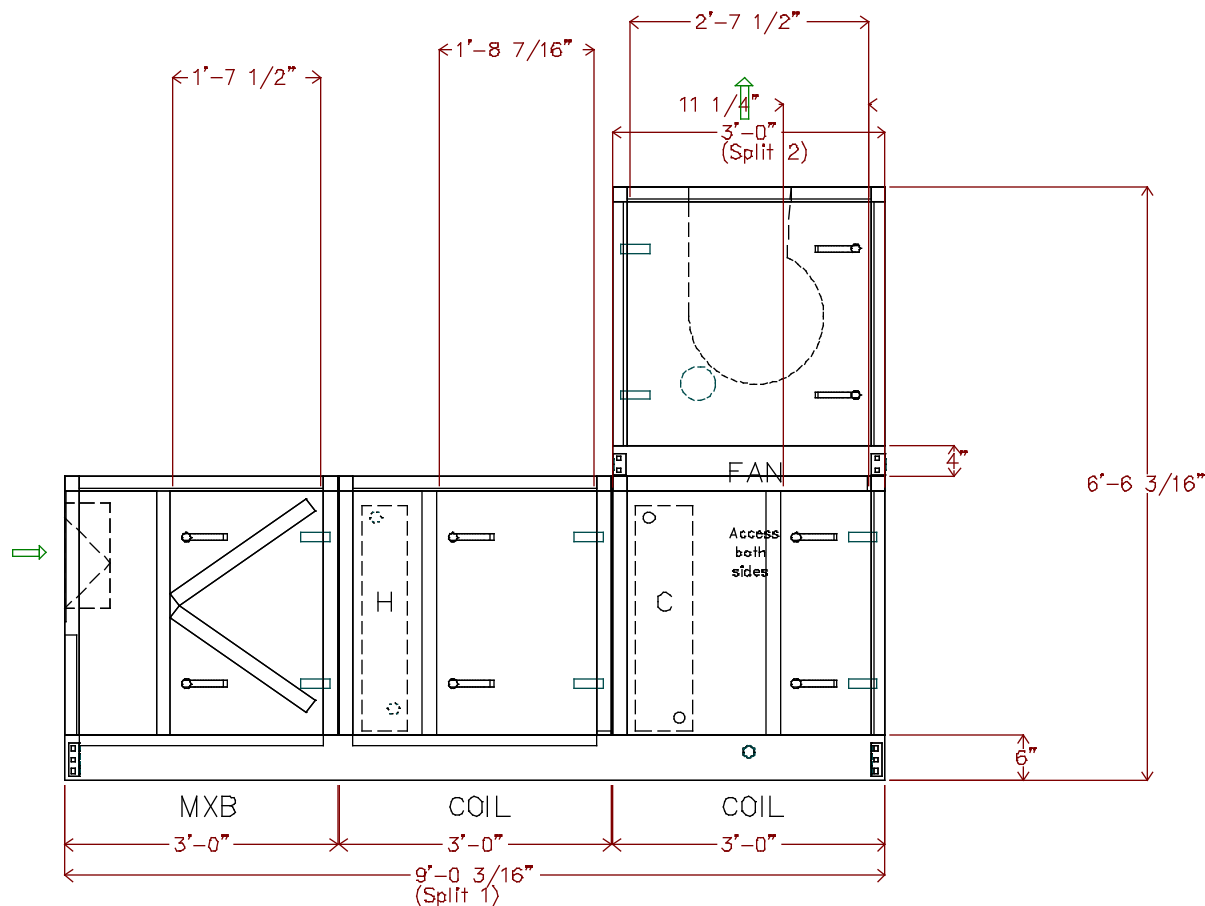
Carrier
 A United Technologies Company

Split	Airway Length	Weight (lbs.)
(Split 1)	9'-0 3/16"	1358
(Split 2)	3'-0"	869

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39MN



DATE
 5/7/2017

Configurator Ver.
 v6.52 03/14/17

39M Central Station Air-Handler, Size 10
 Marriott: AC-4
 Assembly Drawing

REVISION
 Side View

Unit viewed from right side of side elevation view.
 Unit length: 9'-0 3/16"
 2In. Angle Filter
 Qty (6) 16In. x 20In.
 Hot Water 1 Row 11 FPI Half Circuit (qty. 1)
 Chilled Water 6 Row 8 FPI Full Circuit (qty. 1)

Draw-Thru Supply Fan
 5 HP Premium Efficiency TEFC 208-230/460 3Ph 60Hz 1800 RPM
 Operating weight: 2227.0 lbs.
 Upstream Corner Weight (each): 407.0 lbs.
 Downstream Corner Weight (each): 706.0 lbs.

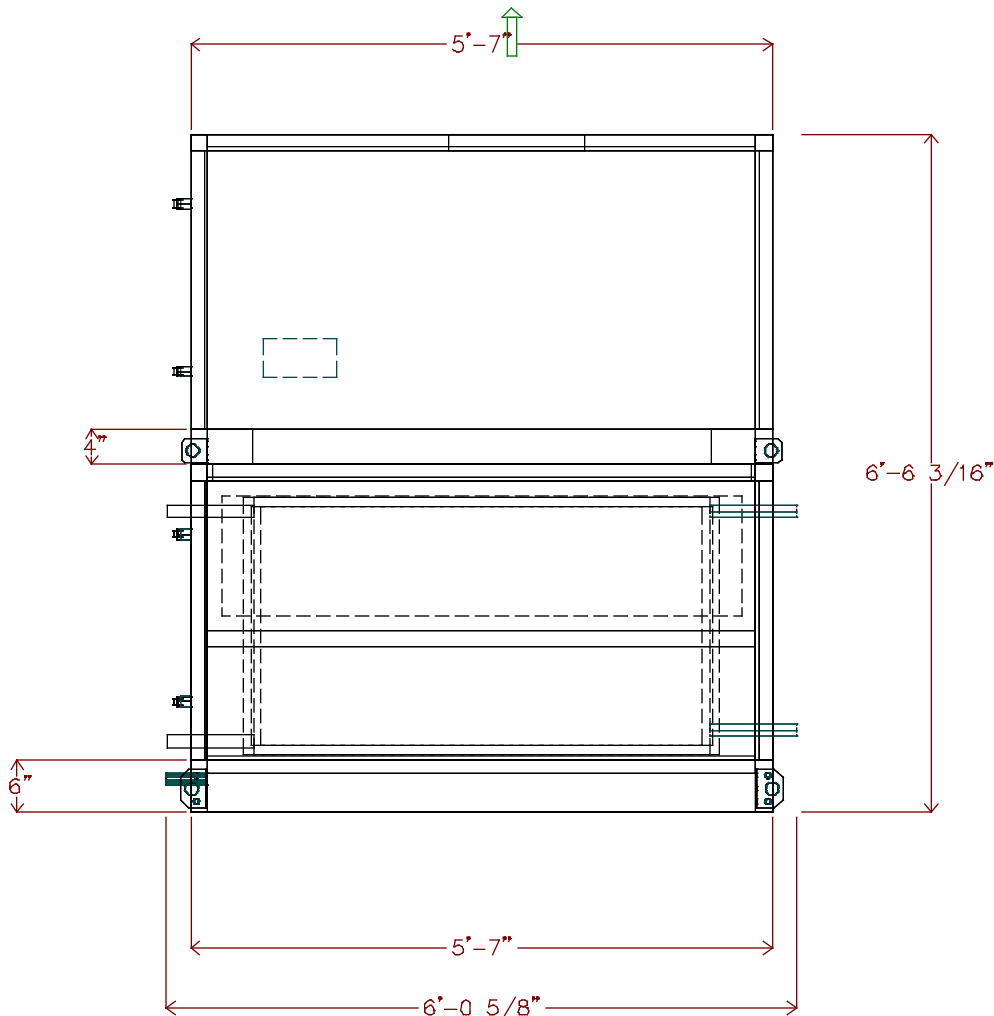


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Configurator Ver.
 v6.52 03/14/17

39M Central Station Air-Handler, Size 10
 Marriott: AC-4
 Assembly Drawing

REVISION
 End View

Unit height: 6'-6 3/16"
 2In. Angle Filter
 Qty (6) 16in. x 20in.
 Hot Water 1 Row 11 FPI Half Circuit (qty. 1)
 Chilled Water 6 Row 8 FPI Full Circuit (qty. 1)
 Draw-Thru Supply Fan

5 HP Premium Efficiency TEFC 208-230/460 3Ph 60Hz 1800 RPM
 Operating weight: 2227.0 lbs.
 Upstream Corner Weight (each): 407.0 lbs.
 Downstream Corner Weight (each): 706.0 lbs.

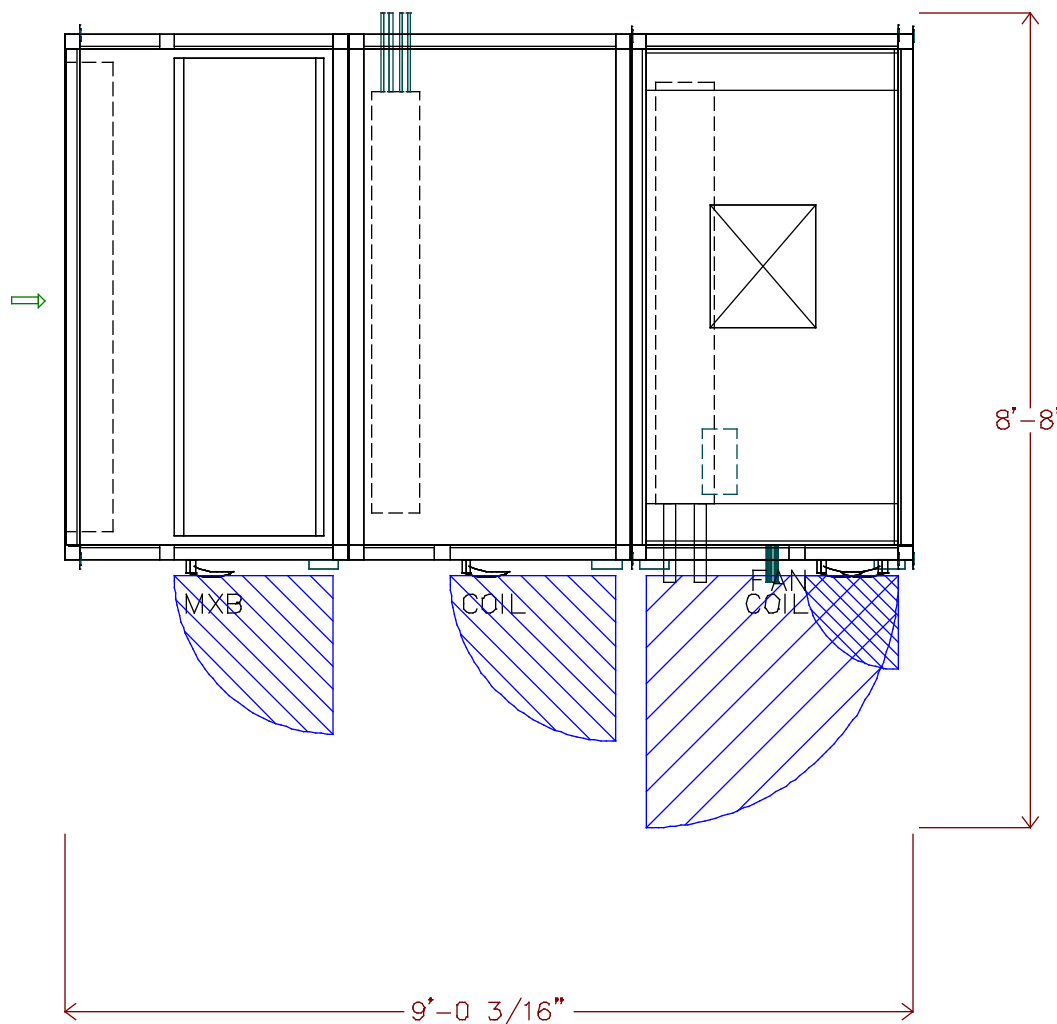


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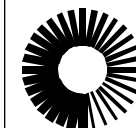
DATE
 5/7/2017

Configurator Ver.
 v6.52 03/14/17

39M Central Station Air-Handler, Size 10
 Marriott: AC-4
 Assembly Drawing

REVISION
 Top View

Hot Water 1 Row 11 FPI Half Circuit (qty. 1)
Chilled Water 6 Row 8 FPI Full Circuit (qty. 1)

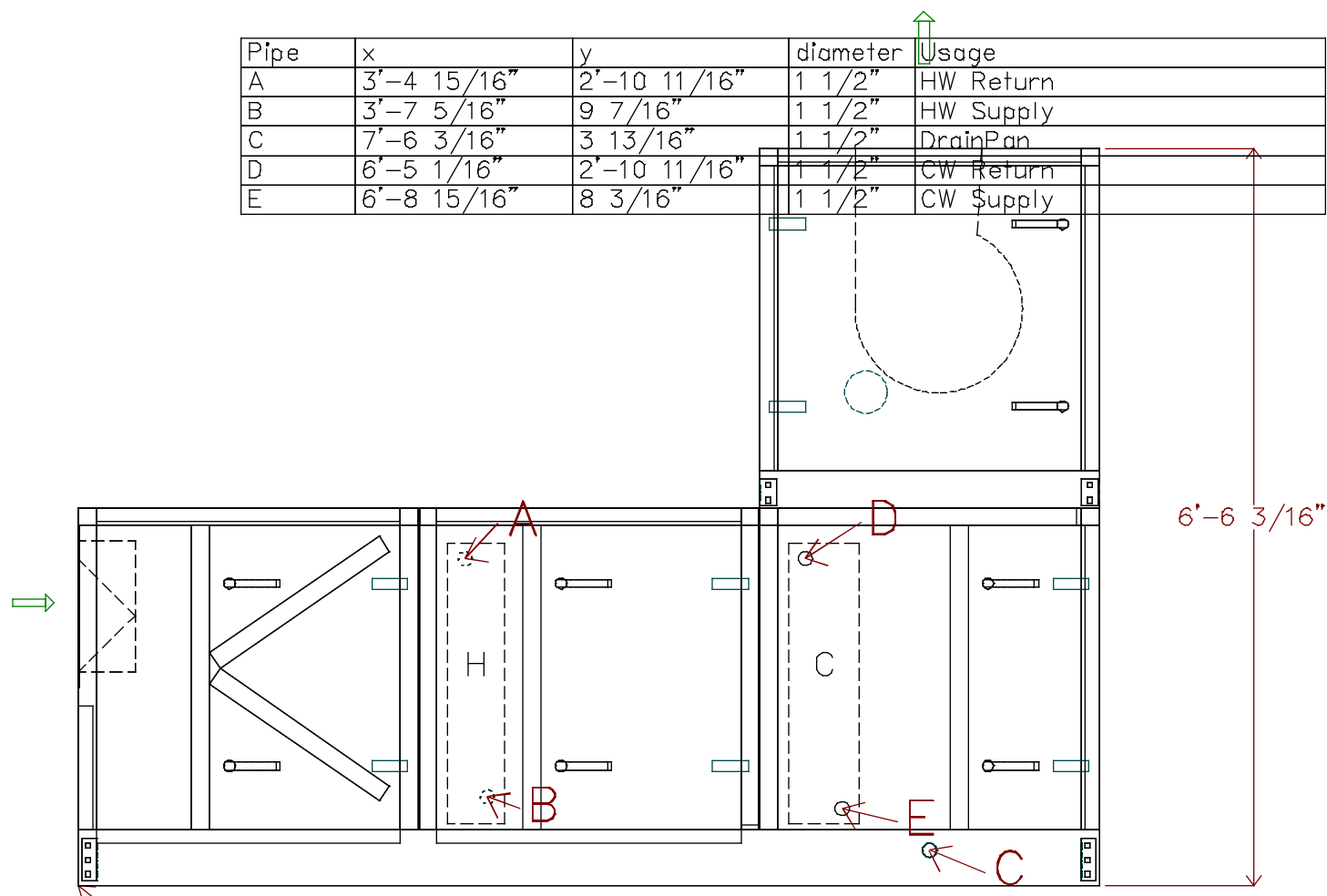


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DATE
5/7/2017

Configurator Ver.
v6.52 03/14/17

Reference Point
39MN Central Station Air-Handler, Size 10
Marriott: AC-4
Assembly Drawing

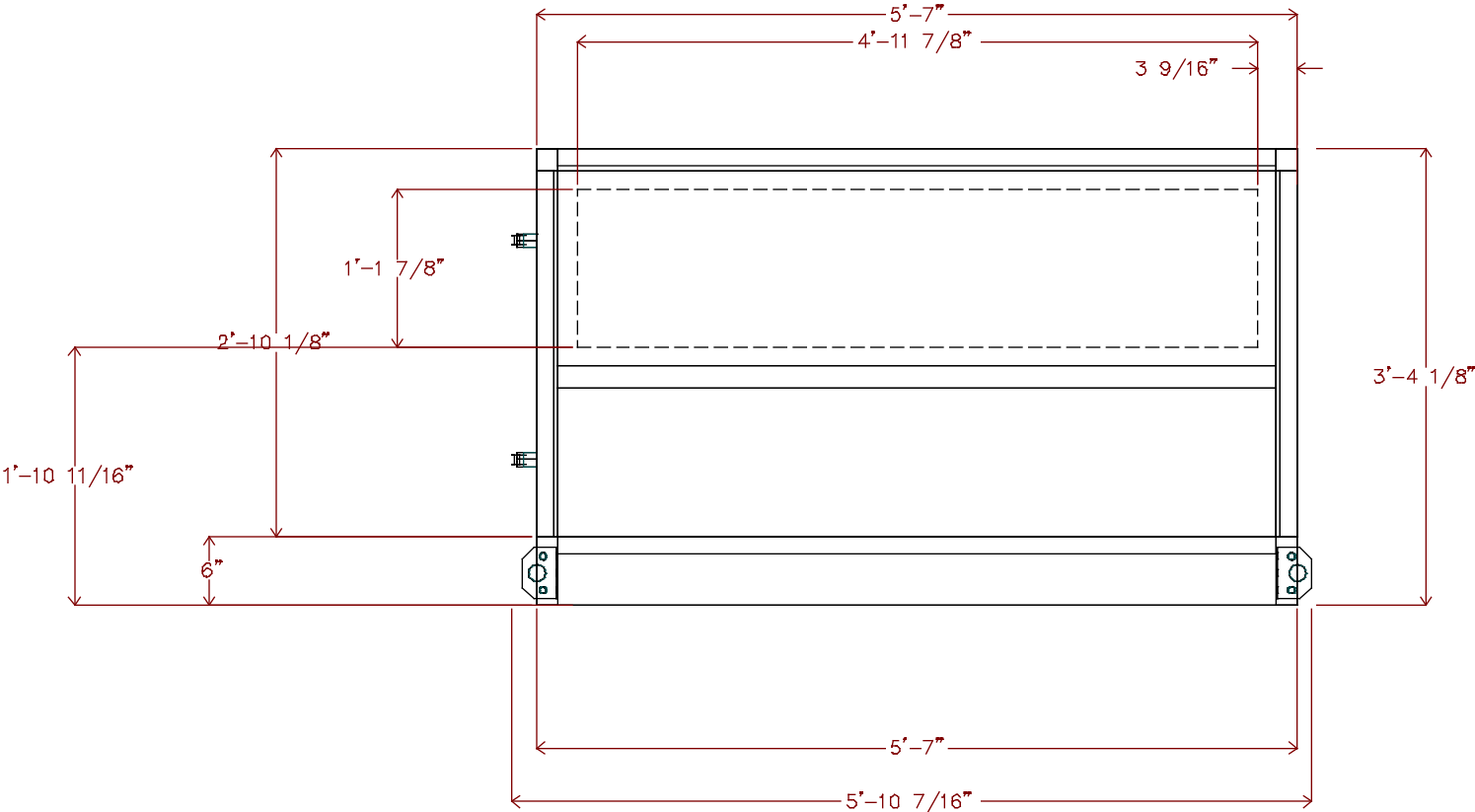
REVISION
Side View

Unit viewed from right side of side elevation view.
2In. Angle Filter
Qty (6) 16in. x 20in.

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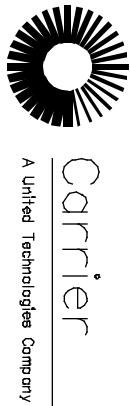
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DATE 5/7/2017	Configurator Ver. v6.52 03/14/17	39M Central Station Air-Handler, Size 10 Marriott: AC-4 Filter Mixing Box	REVISION End View
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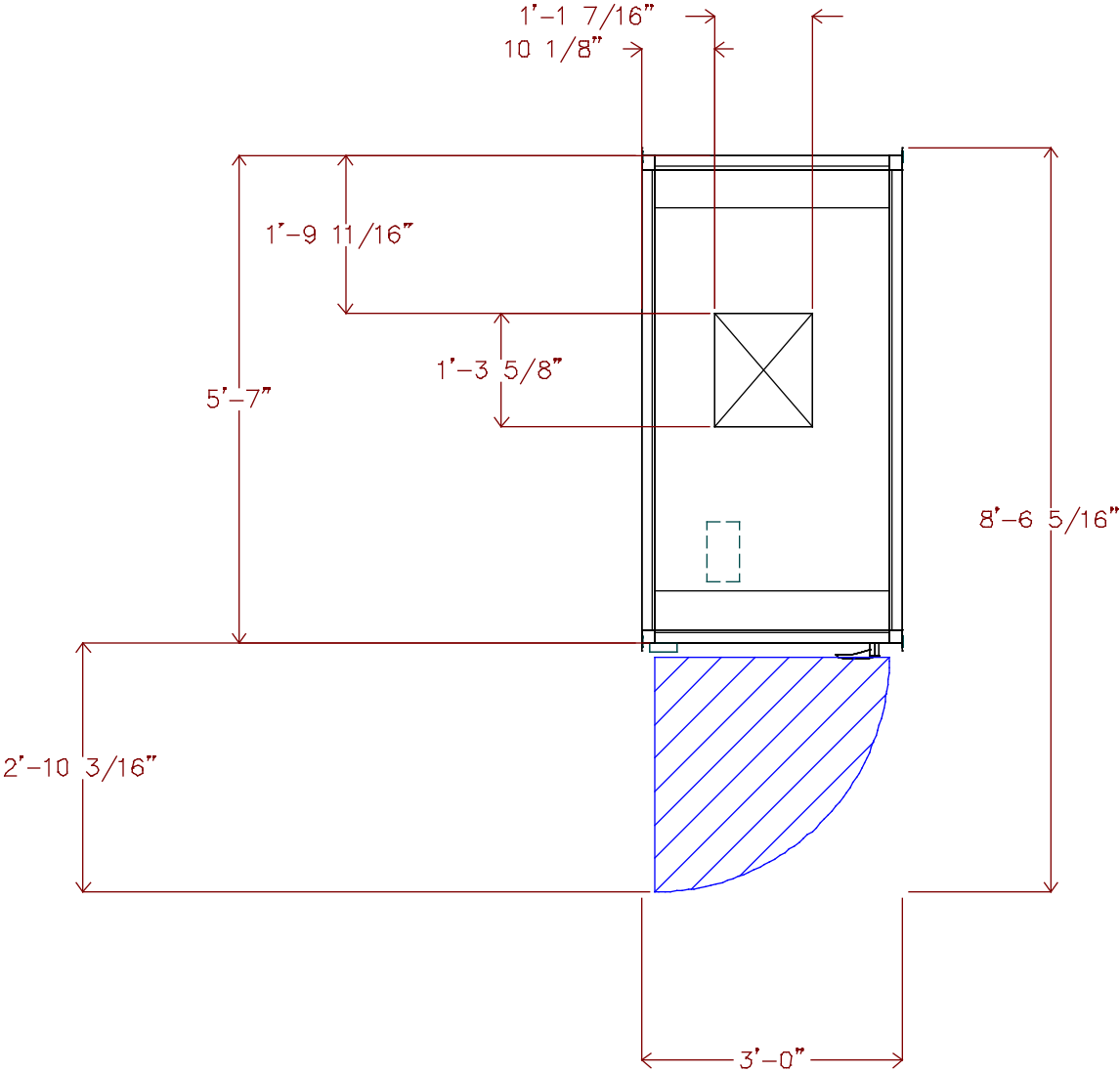
Draw-Thru Supply Fan
5 HP Premium Efficiency TEFC 208-230/460 3Ph 60Hz 1800 RPM



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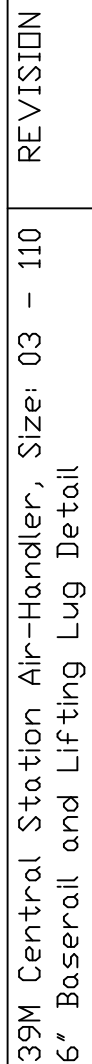


DATE 5/7/2017	Configurator Ver. v6.52 03/14/17	39M Central Station Air-Handler, Size 10 Marriott: AC-4 Draw-Thru Supply Fan	REVISION Top View
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Air Filter Submittal

Project: Marriott
Unit Tag: AC-4

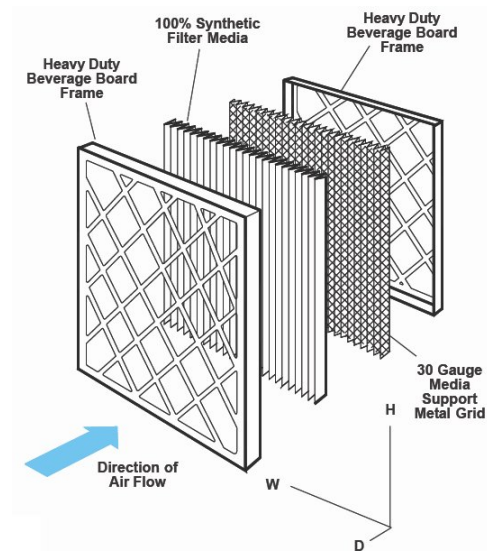
Carrier Part Number	31K2B0000000616203
Kit Description	Filter Kit
Unit Airflow, CFM	3960
Filter Velocity, FPM	297
Filter Sizes and Quantities	Qty (6) 16in. x 20in.

Quality Pleat

MERV 8 Pleated Filter

The 100% synthetic graduated density media is continuously bonded to a 30 gauge galvanized, corrosion resistant, expanded metal support grid with an effective open area of 96%. The media is resistant to a wide range of chemicals, does not absorb moisture and will not support microbial growth.

The controlled pleat spacing maximizes surface area and dust holding capacity and is bonded to the enclosure frame to prevent dust bypass. The enclosure frame is constructed of high wet strength moisture resistant beverage board. The diagonal support members of the frame are bonded to the entering and exiting apexes of each pleat to prevent pleat collapse and filter bowing.



Filter Pleated (2") MERV 8

