



SUBMITTAL DATA

For

Highlands Building at Pinnacle Hills

Sold to

Comfort Systems USA

Prepared for

IMEG

Product: Wall Mounted Heat Pump

Qty: 1

Tag(s): MAH/MCU-9

Prepared by

Harrison Energy Partners

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6-2-26



Submittal Data Sheet

Daikin ENTRA 1.5-Ton Wall Mount Heat Pump System
FTXC18AXVJU- RXC18AXVJU

FEATURES

- Daikin Swing Compressor with Inverter
- Coil Fin Coating
- Indoor Unit quiet operation
- Auto Defrost, Auto Fan speed and Auto Restart (after Power Failure)
- Program Dry Function
- Power-airflow Flap
- Wide Angle Louvers and Vertical Auto-Swing (Up and Down)
- Programme Dry Function
- Energy Saving Function
- Sleep Mode
- Indoor Unit ON/OFF Button
- R/C with Backlight
- Catechin Filter / Green Tea Filter
- Titanium Apatite Air-Purifying Filter
- 24-hour ON/OFF Timer
- Self-diagnosis

BENEFITS

- 10 Year limited parts and compressor warranty
- Included Handheld Remote
- Precharged for up to 33'
- Simple Maintenance
- Whisper Quiet operation with specially designed airflow pattern
- Reduced power consumption
- Affordable cost saving solution
- Compact and quite outdoor unit.
- Blue fin protection increases life span of outdoor unit
- R-32 Easy, Proven, Efficient, Available

INDOOR UNIT



OUTDOOR UNIT





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Daikin ENTRA 1.5-Ton Wall Mount Heat Pump System
FTXC18AXVJU- RXC18AXVJU

SYSTEM PERFORMANCE

Indoor Unit Model No.	FTXC18AXVJU	Indoor Unit Name:	Daikin ENTRA 1.5-Ton, Heat Pump, Wall Mount Indoor Unit
Outdoor Unit Model No.	RXC18AXVJU	Outdoor Unit Name:	Daikin ENTRA 1.5-Ton, Heat Pump, Ductless Outdoor Unit
Rated Cooling Capacity (Btu/hr):	18,100	Rated Cooling Conditions:	Indoor (°F DB/WB): 80 / 67 Ambient (°F DB/WB): 95 / 75
Sensible Capacity (Btu/hr):	14,120	Rated Piping Length(ft):	25
Max/Min Cooling Capacity (Btu/hr):	20,000 / 6,900	Rated Height Difference (ft):	0.00
Cooling Input Power (kW):	1.720	Heating Input Power (kW):	1.60
SEER2 (Non-Ducted/Ducted):	18.00 /	HSPF2 (Non-Ducted/Ducted):	9.0 /
EER2 (Non-Ducted/Ducted):	10.50 /	Heating COP (Non-Ducted/Ducted):	3.3 /
Rated Heating Capacity (Btu/hr):	18,000	Rated Heating Conditions:	Indoor (°F DB/WB): 70 / 60 Ambient (°F DB/WB): 47 / 43
Max/Min Heating Capacity (Btu/hr):	22,500 / 5,800		

SYSTEM DETAILS

Refrigerant Type:	R-32	Cooling Operation Range (°F DB):	50 - 114
Holding Refrigerant Charge (lbs):	3.31	Heating Operation Range (°F WB):	5 - 65
Additional Charge (oz/ft):	0.18	Max. Pipe Length (Vertical) (ft):	33
Pre-charge Piping (Length) (ft):	33	Cooling Range w/Baffle (°F DB):	-
Max. Pipe Length (Total) (ft):	99		
Max Height Separation (Ind to Ind ft):	0		
Fan/Compressor Drive Input:			

Submittal Data Sheet

Daikin ENTRA 1.5-Ton Wall Mount Heat Pump System

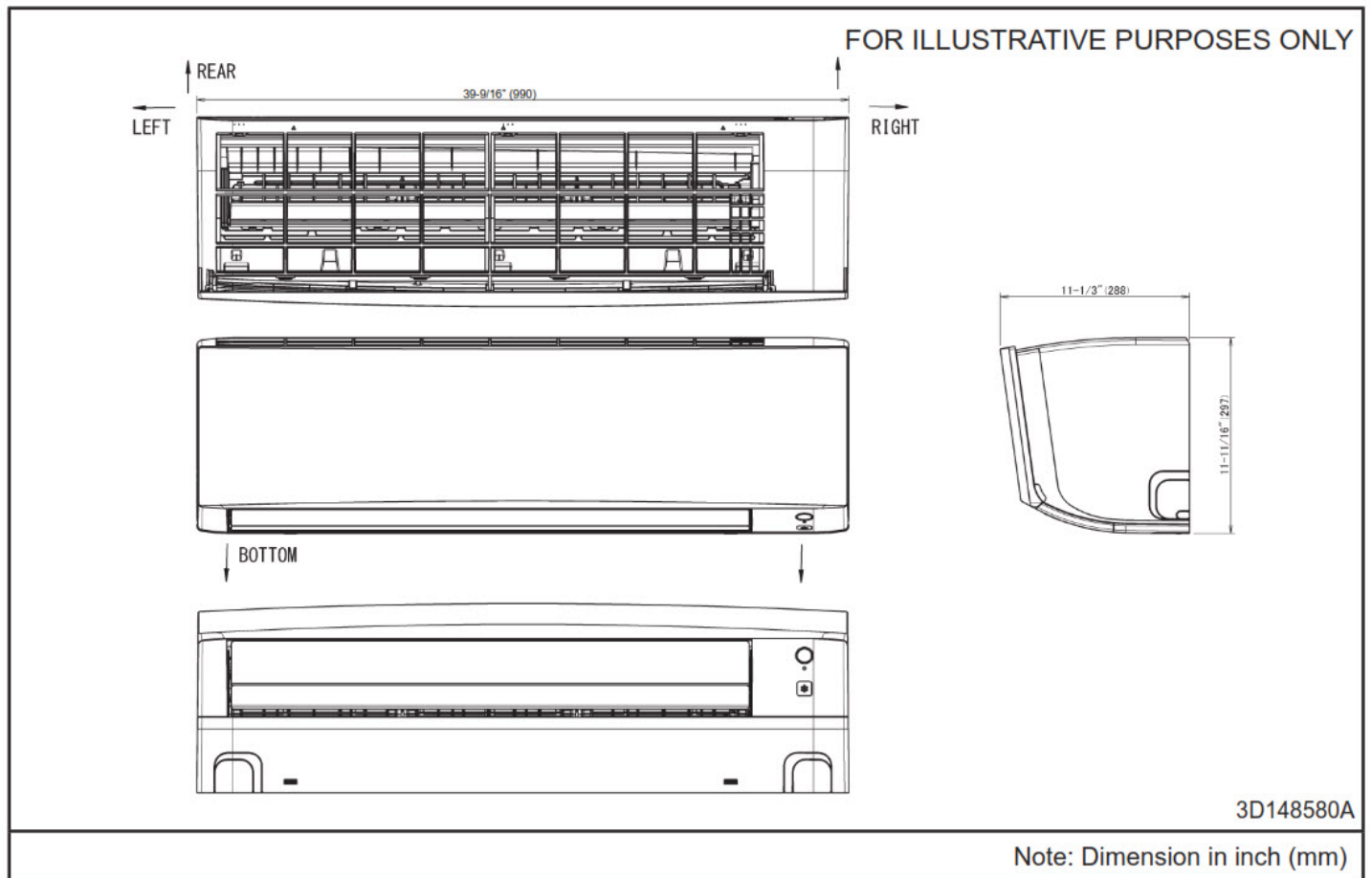
FTXC18AXVJU- RXC18AXVJU

INDOOR UNIT DETAILS

Power Supply (V/Hz/Ph):	208-230 / 60 / 1	Airflow Rate (HH/H/M/L/SL) (CFM):	754/716/605/467/395
Power Supply Connections:	L1, L2, L3, Ground	Moisture Removal (Gal/hr):	0.6
Min. Circuit Amps MCA (A):		Gas Pipe Connection (inch):	1/2
Max Overcurrent Protection (MOP) (A):		Liquid Pipe Connection (inch):	1/4
Dimensions (HxWxD) (in):	11-11/16 x 39-9/16 x 11-1/3	Condensate Connection (inch):	5/8
Ext. Static Pressure (Rated/Max) (inWg):	/	Sound Pressure (H/M/L/SL) (dBA):	48/43/37/33
Net Weight (lb):	30.5	Sound Power Level (dBA):	

DIMENSIONAL DRAWING - INDOOR UNIT

Model : FTXC18/24A



Submittal Data Sheet

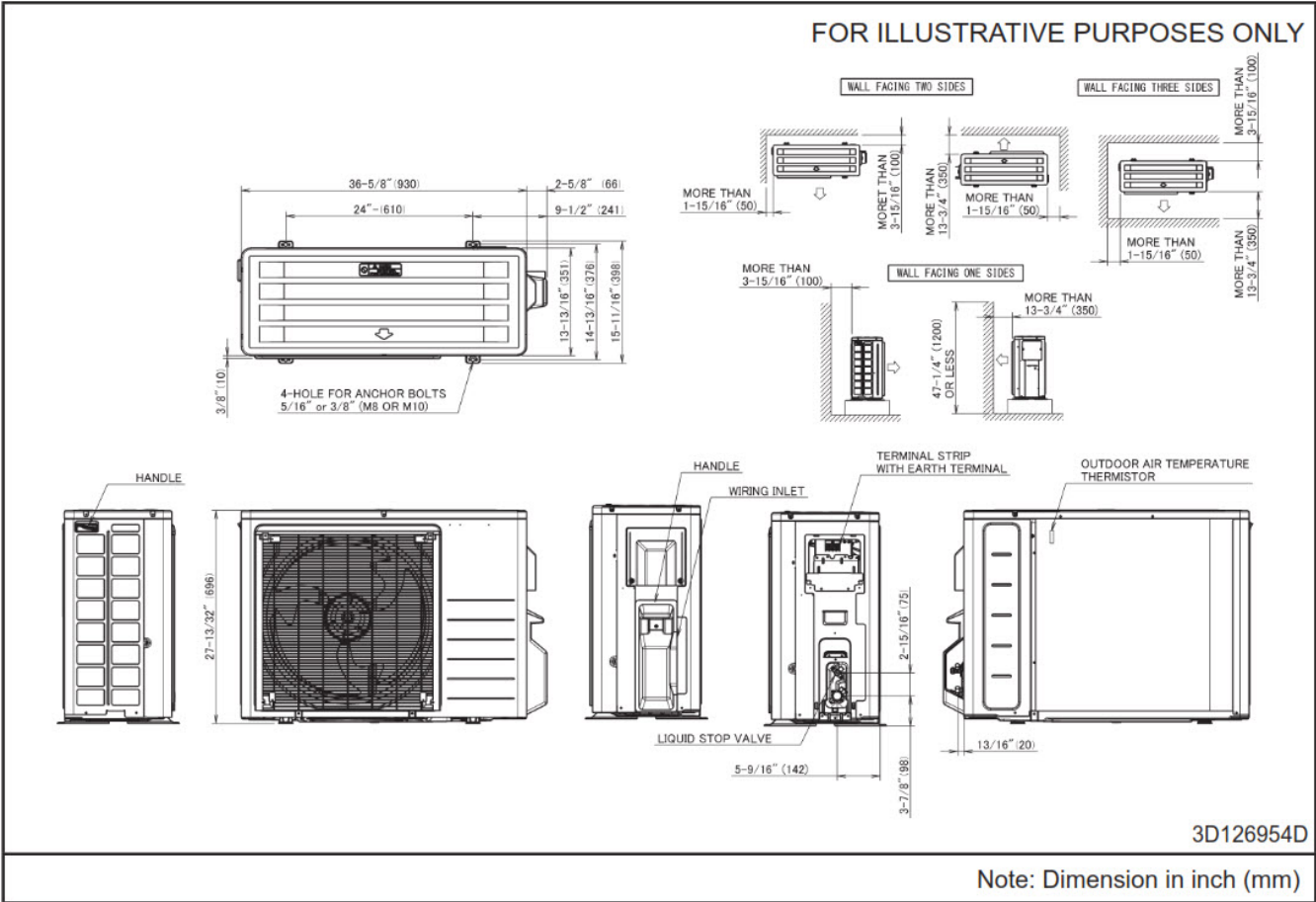
Daikin ENTRA 1.5-Ton Wall Mount Heat Pump System
FTXC18AXVJU- RXC18AXVJU

OUTDOOR UNIT DETAILS

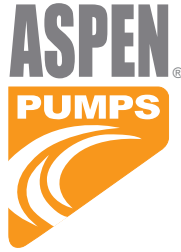
Power Supply (V/Hz/Ph):	208-230 / 60 / 1	Compressor Stage:	Inverter
Power Supply Connections:	L1, L2, L3, Ground	Capacity Control Range (%):	-
Min. Circuit Amps MCA (A):	16.34	Airflow Rate (H) (CFM):	1879
Max Overcurrent Protection (MOP) (A):	20	Gas Pipe Connection (inch):	1/2
Max Starting Current MSC(A):		Liquid Pipe Connection (inch):	1/4
Rated Load Amps RLA(A):		Sound Pressure (H) (dBA):	53
Dimensions (HxWxD) (in):	27-13/32 x 36-5/8 x 13-13/16	Sound Power Level (dBA):	
Net Weight (lb):	101		

DIMENSIONAL DRAWING - OUTDOOR UNIT

Model : RXC18/24A



Submittal Data Sheet



DACA-CP1-1

Mini Univolt 100-250 Pump Kit

DACA-CP1-1

Project Information:

Job Name:

Location:

Engineer:

Submitted to:

For: ☐ Reference ☐ Approval ☐ Construction

Submitted by:

Reference:

Submittal Information:

Approval:

Date:

Construction:

Unit #:

Drawing #:

(Sec. I) Product Specifications:

Pump Length - 6.5"

Pump Width - 1.125"

Pump Height - 1.125"

Capacity - 2.9-3.2 GPH @ 0' Head / 1.2-1.6 GPH @ 33' Head

Max BTUs - 49,500

Max Head in Feet - 33

Max Temperature - 104F

Max Suction Lift - 3'3"

Sound Level - 24dB(A)

Dry Contact Rating - 3A NC

Voltage - 100-250

Amperes - .2 MAX

Watts - 16

Remote Reservoir - Y

Plenum Rated - N

Cable Length - 6'

Pump Selector & Wiring Diagrams Available at

<http://www.rectorseal.com/index.php/daikin/>

DAIKIN

(Sec. II) Ordering Information:

Product Code - DACA-CP1-1

Model - DACA-CP1-1

Carton Qty - 1

Carton Weight - 1.5

(Sec. III) Carton Contents:

Pump Assembly

Inline Reservoir

8"x5/8" i.d. Inlet Tube

5'x1/4" i.d. Vinyl Discharge Tube

Installation Manual

6"x1/4" i.d. Vinyl Breather Tube

Drain Hose Adaptor

Inline Fuse

Cable Ties (6)

Self Adhesive Velcro

Strips (2)

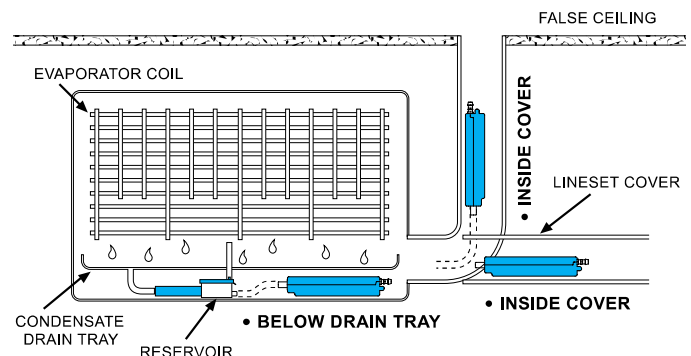
Anti-siphon (1)

90° Elbow

(Fig. I) Product Image:



(Fig. II) Typical Pump Locations:



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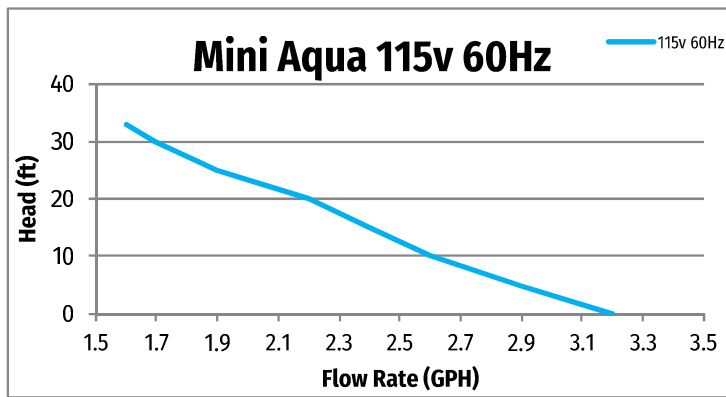
Mini Aqua Univolt

Mini-Split Condensate Pump Kit 100-250v
DACA-CP1-1

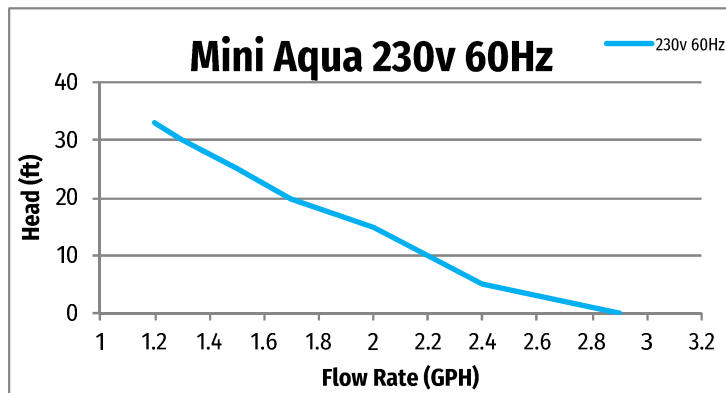


Aspen Pump BTU Calculator

Mini Aqua 115v 60Hz		
Head	GPH	BTU
0	3.2	54600
5	2.9	49500
10	2.6	44350
15	2.4	42000
20	2.2	37500
25	1.9	33250
30	1.7	29250
33	1.6	27500



Mini Aqua 230v 60Hz		
Head	GPH	BTU
0	2.9	49500
5	2.4	42000
10	2.2	37500
15	2	34000
20	1.7	29250
25	1.5	25800
30	1.3	22400
33	1.2	20600



Pump Selector & Wiring Diagrams Available at
<http://www.rectorseal.com//index.php/daikin/>

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www.rectorseal.com



2601 Spenwick Drive, Houston, TX 77055



713.263.8001 - 800.231.3345



713.263.7577 - 800.441.0051

Project Name:

Location:

Engineer:

Submitted to:

Submitted by:

Reference:

Approval:

Date:

Construction:

Unit #:

Drawing #:

MODEL COMPATIBILITY:

Compatible with Single-Zone system indoor unit models:

Indoor Unit Models	Interface Adaptor
FTKB09AXVJU, FTKB12AXVJU, FTKB18AXVJU, FTKB24AXVJU, FTXB09AXVJU, FTXB12AXVJU, FTXB18AXVJU, FTXB24AXVJU, FTXB09BXVJU, FTXB12BXVJU, FTXB18BXVJU, FTXB24BXVJU	Not needed
CTX07AXVJU, CTX09AXVJU, CTX12AXVJU, FTK09AXVJU, FTK12AXVJU, FTK18AXVJU, FTK24AXVJU, FTX09AXVJU, FTX12AXVJU, FTX18AXVJU, FTX24AXVJU, FTK09BXVJU, FTK12BXVJU, FTK18BXVJU, FTK24BXVJU, FTX09BXVJU, FTX12BXVJU, FTX18BXVJU, FTX24BXVJU	Not needed

SPECIFICATIONS:

Model	BRC51D61
Description	Wired Remote Controller Kit
Maximum Indoor Units	1
Total Wiring Length	32.8ft (10m)
Dimensions	4.72 in x 4.72 in x 0.78 in (120mm x 120mm x 19.5 mm)
Connection Point	CN_WIRED (FTK/XB_AXVJU) CN_NS (FTK/X_AXVJU, FTK/X_BXVJU, FTXB_BXVJU)
Comfort Setpoint Range	60°F – 86°F
Operation	Start / Stop
	Mode (Auto/Heat/Cool/Dry/Fan)
	Set Temperature Setpoint
	Fan Speed
	Airflow Direction
	Feature Selection (SLEEP, ECO+, POWERFUL, QUIET)
Scheduling	Turn ON/OFF indoor unit LED display
	Weekly ON/OFF Timer

PRODUCT IMAGE:





Submittal Data Sheet

BRC51D61 – Wired Remote Controller Kit

Project Name: _____

Location: _____

Engineer: _____

Submitted to: _____

Submitted by: _____

Reference: _____

Approval: _____

Date: _____

Construction: _____

Unit #: _____

Drawing #: _____

FEATURES:

- The Wired Remote Controller Kit includes a wired remote controller, a 32 ft. connecting cable and mounting screws.
- Selectable auto / cool / heat / dry / fan operation modes with adjustable setpoint and fan speed
- Set temperature setpoint in °F or °C units with 1 degree increments
- Temperature is controlled through indoor unit temperature sensor
- Built in weekly ON/OFF timer functionality with up to 2 ON/OFF cycles per day
- Can be used together with the factory supplied standard wireless remote controller – the system will follow the last command provided by either the handheld remote or BRC51D61.
- Room temperature display available via jumper – readout is return air temp at the indoor unit.
- System maintains a 3° to 5°F temperature correction of the set point, depending on the mode of operation.
- The unit runs based on a 1°C temperature control. The setpoint command will be rounded to °C and sent to the indoor unit. For some setpoints, the indoor unit temperature command may not change as shown in the table below.

User Setpoint on Controller (°F)	Actual Indoor Unit Setpoint (°F)
68	68
69	68
70	70
71	70
72	72
73	73
74	73
75	75
76	75
77	77
78	77
79	79
80	79
81	81
82	82

DAIKIN COMFORT TECHNOLOGIES NORTH AMERICA, INC.

19001 Kermier Road, Waller, TX, 77484

www.daikinac.com www.daikincity.com

Rev.0923

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Project Name: _____

Location: _____

Engineer: _____

Submitted to: _____

Submitted by: _____

Reference: _____

Approval: _____

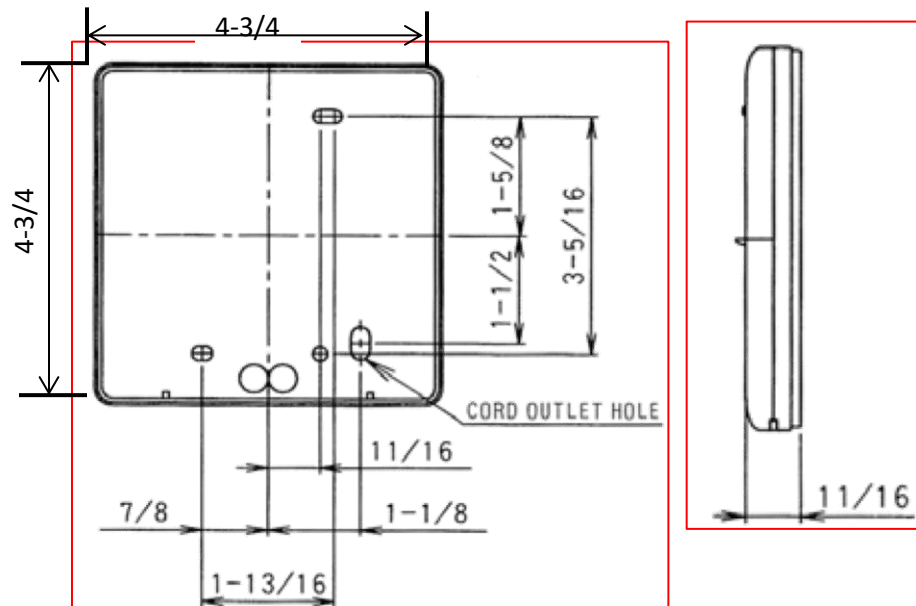
Date: _____

Construction: _____

Unit #: _____

Drawing #: _____

DIMENSIONS:



DOCUMENTATION:

Documentation available on www.daikincity.com and/or www.daikinac.com:

- Submittal
- Operation Manual (including installation instructions)

DAIKIN COMFORT TECHNOLOGIES NORTH AMERICA, INC.

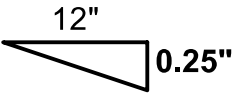
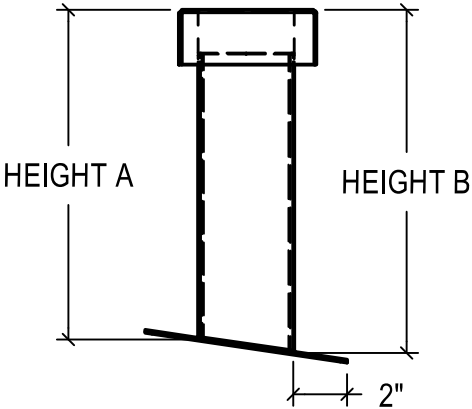
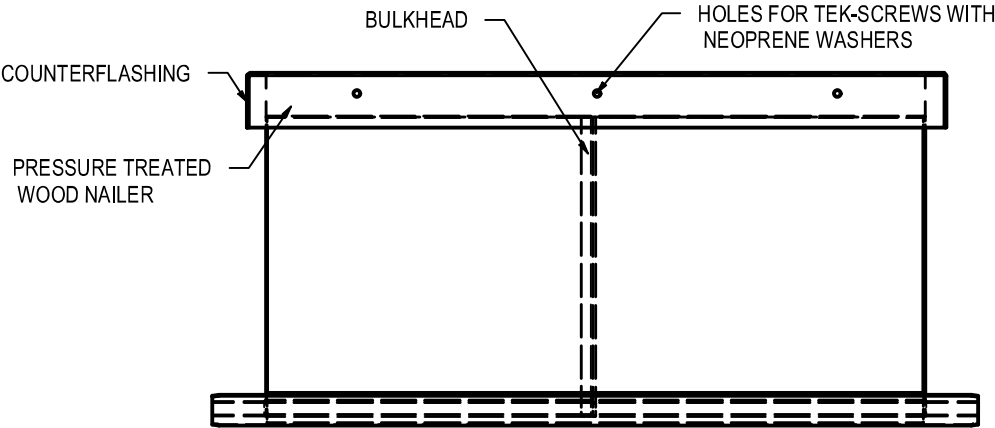
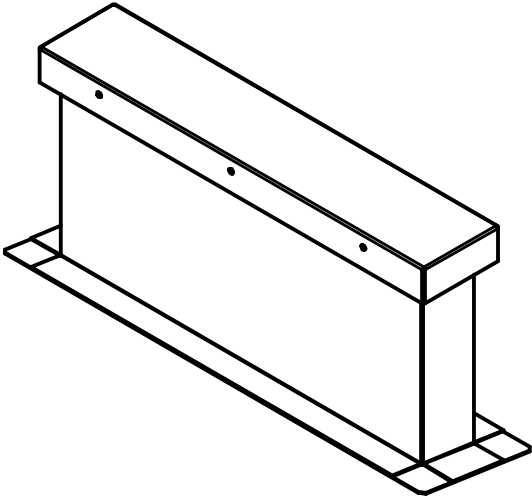
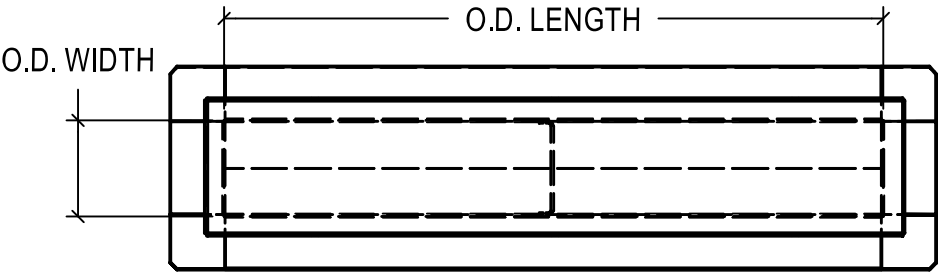
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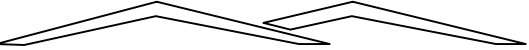
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Rev.0923

CPES-3
STANDARD FEATURES

- 1. 18 Gauge Galvanized Construction
- 2. Fully Welded One-Piece Construction
- 3. Prime Painted After Fabrication
- 4. Full Depth Internal C-Channel Reinforcing on 18" Centers
- 5. Counterflashing Attached with Tek-Screws & Neoprene Washers
- 6. Pressure-Treated 2x4 nailer
- 7. 2.00" over std height



QTY.	O.D. LENGTH	O.D. WIDTH	HEIGHT A	HEIGHT B		TAG
2	24.00"	3.50"	14.00"	14.07"		MCU-9
 CURBS PLUS, INC.			WEB: CURBS-PLUS.COM	PHONE: 888-639-2872	PAGE OF	
			JOB #: Highland Building	SHIP DATE:		