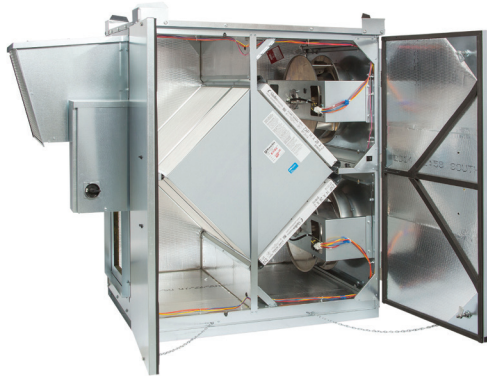


HE 1.5XRT

ENERGY RECOVERY VENTILATOR



ROOFTOP UNIT



Energy recovery core is AHRI Certified®



SPECIFICATIONS

Ventilation Type:

Static plate, heat and humidity transfer

Airflow Range:

375–1,650 CFM

AHRI 1060 Certified Core:

One L62-G5 and one L125-G5

Standard Features:

Non-fused disconnect
24VAC transformer/relay package
Cross-core differential pressure ports

Filters:

Total qty. 4, MERV 8: (2) 14" x 20" x 2" and
(2) 16" x 20" x 2"

Unit Weight:

387–548 lbs., varies by option(s)

Max. Shipping Dimensions & Weight (on pallet):

70" L x 47" W x 83" H
615 lbs.

Motor(s):

Qty. 2, 1.0 HP ea., Direct drive standard
motorized impellers

Options:

Qty. 2, variable speed/ECM: Direct drive motors
(see HE1.5XRT EC Motor submittal):
480 W 120 V/1 Ph/60 Hz,
480 W 208–230 V/1 Ph/60 Hz
Independent blower control
Onboard variable frequency drives (VFDs):
both airstreams
Fused disconnect
Integrated programmable controls: enhanced, premium
Bypass economizer damper (see DIM drawing):
dry-bulb temperature controls (standard), enthalpy
controls (option)
Class 1 low leakage motorized isolation dampers:
FA, EA or both airstreams
Gravity backdraft dampers
Factory mounted filter alarms: both airstreams
Double wall construction
Exterior paint: white, custom colors

Accessories:

Filters: MERV 13, 2" (shipped loose)
Backdraft damper: OA or EA
Automatic balancing damper: 4", 5", 6"
Roof curb: standard 14"
Curb wind clip
Engineered combo curb for Trane or Carrier RTUs
Digital time clock: wall mount (TC7D-W),
in exterior enclosure (TC7D-E)
Carbon dioxide sensor/control:
wall mount (CO2-W), duct mount (CO2-D)
IAQ sensor: wall mount (IAQ-W), duct mount (IAQ-D)
Motion occupancy sensor/control:
ceiling mount (MC-C), wall mount (MC-W)
Smoke detector: duct mount (SD-D)
BACnet fan control: wall mount (BACNETFC-W)
Indoor electric duct heater: EK series (1–175 kW);
Indirect gas-fired duct furnace: GH series (50–400 MBH);
installed downstream of any fans

AIRFLOW PERFORMANCE

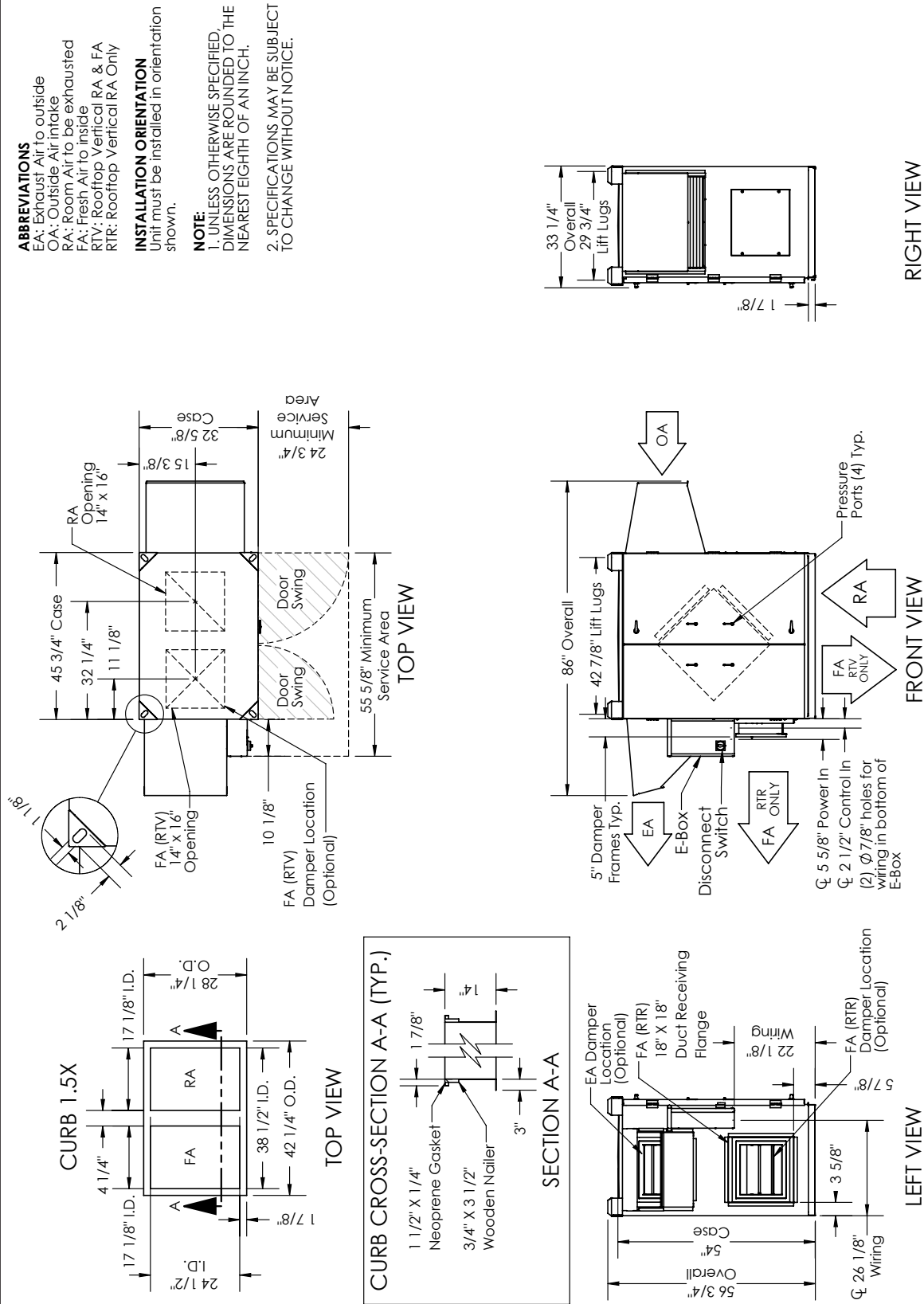
Motor HP Phase	Blower RPM	External Static Pressure (Inches Water Column)													
		0.00		0.25		0.50		0.75		1.00		1.25		1.50	
		SCFM	Watts	SCFM	Watts	SCFM	Watts	SCFM	Watts	SCFM	Watts	SCFM	Watts	SCFM	Watts
1.0 Single Phase	1475	1535	1540	1390	1515	1255	1485	1120	1445	970	1395	815	1310	640	1195
1.0 Three Phase	1475	1630	1440	1485	1435	1335	1415	1170	1375	995	1325	810	1260	615	1180

Note: Watts is for the entire unit (2 motors). Airflow performance includes effect of clean, standard filter supplied with unit.

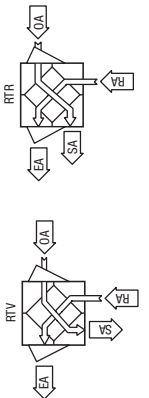
ELECTRICAL DATA

Standard Electrical Specifications							Optional Factory Installed VFD Electrical Specifications		
HP	Volts	Hz	Phase	FLA per motor	Min. Cir. Amps	Max. Overcurrent Protection Device	FLA per motor	Min. Cir. Amps	Max. Overcurrent Protection Device
1	120	60	Single	6.5	14.6	20			
1	208–230	60	Single	3.3–3.4	7.7	15			
1	277	60	Single	2.7	6.1	15			
1	208–230	60	Three	2.2–2.2	5.0	15	2.2–2.2	5.0	15
1	460	60	Three	1.13	2.5	15	1.13	2.5	15

HE1.5XRT (RTV/RTR) ENERGY RECOVERY VENTILATOR



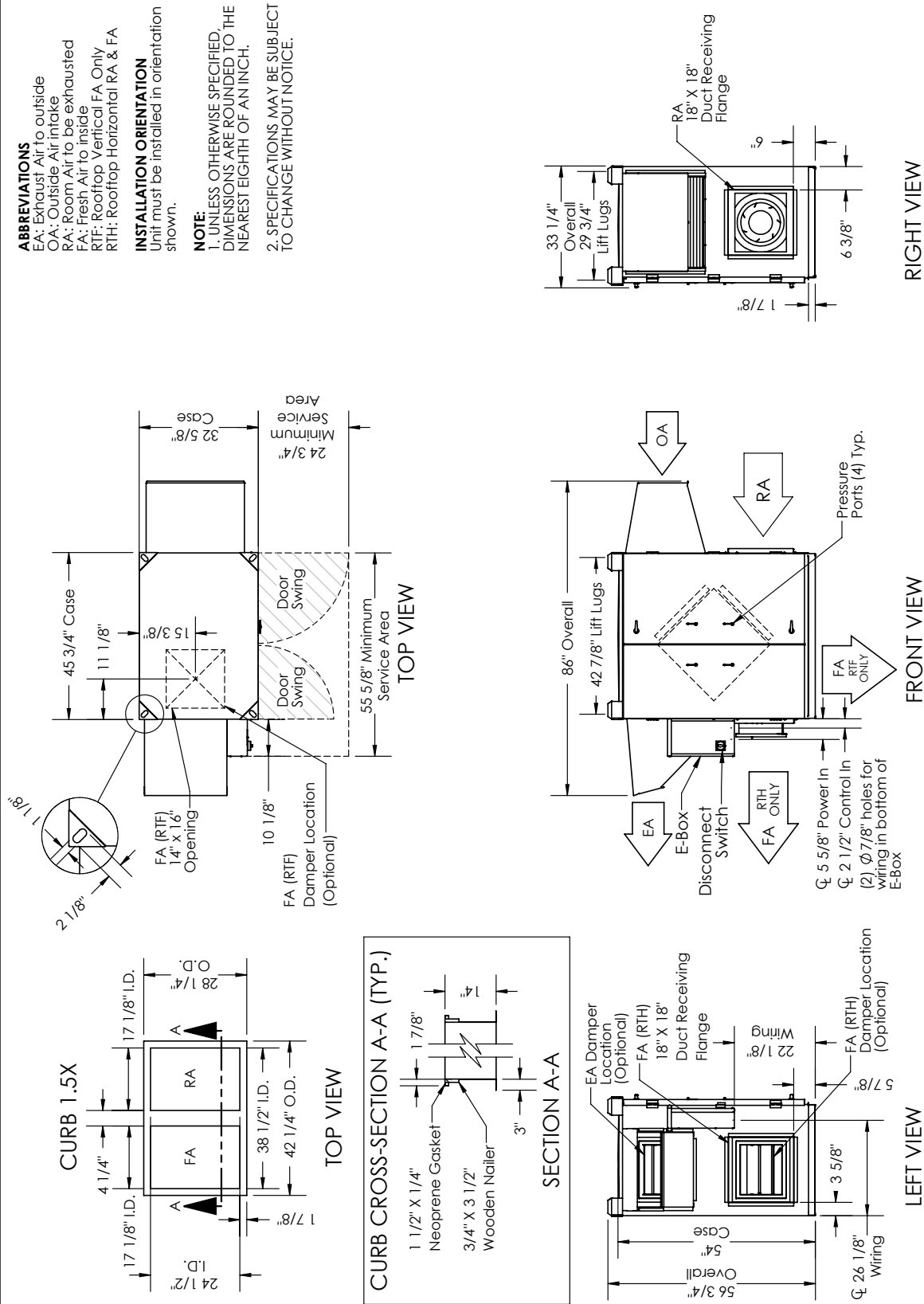
UNIT MOUNTING & APPLICATION
 Must be mounted as shown. Airstreams cannot be switched. Duct configuration is field convertible.



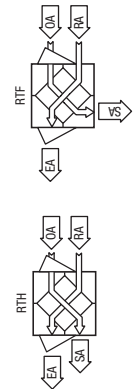
AIRFLOW CONFIGURATION
 Available as shown:



HE1.5XRT (RTH/RTF) ENERGY RECOVERY VENTILATOR



UNIT MOUNTING & APPLICATION
 Must be mounted as shown. Airstreams cannot be switched. Duct configuration is field convertible.



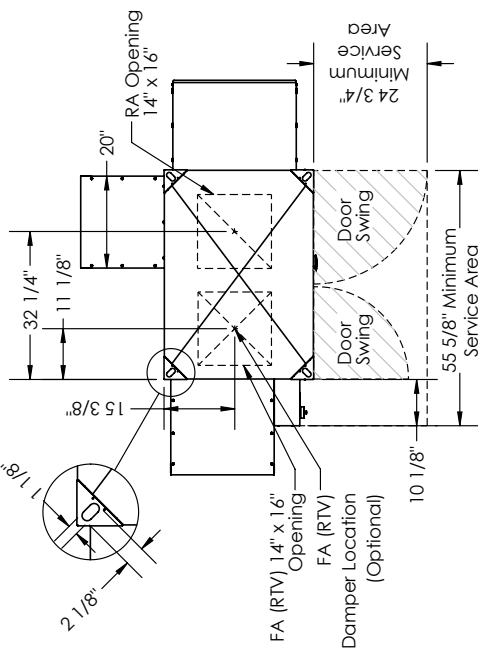
AIRFLOW CONFIGURATION
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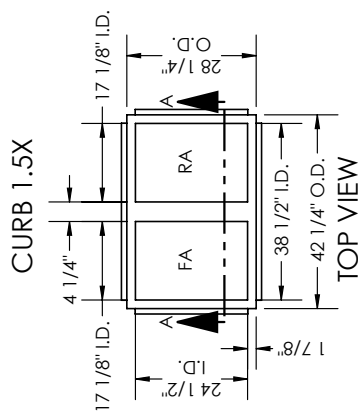
ABBREVIATIONS
EA: Exhaust Air to outside
OA: Outside Air Intake
RA: Room Air to be exhausted
FA: Fresh Air to inside
BP: Bypass Air Outlet
RTV: Rooftop Vertical RA & FA
RTR: Rooftop Vertical RA Only

INSTALLATION ORIENTATION
Unit must be installed in orientation shown.

NOTE:
1. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE ROUNDED TO THE NEAREST EIGHTH OF AN INCH.
2. SPECIFICATIONS MAY BE SUBJECT TO CHANGE WITHOUT NOTICE.

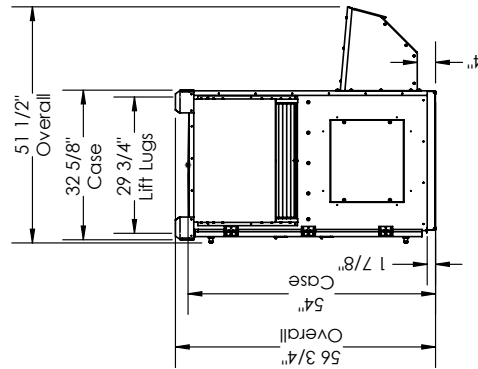
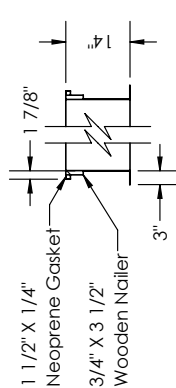


TOP VIEW

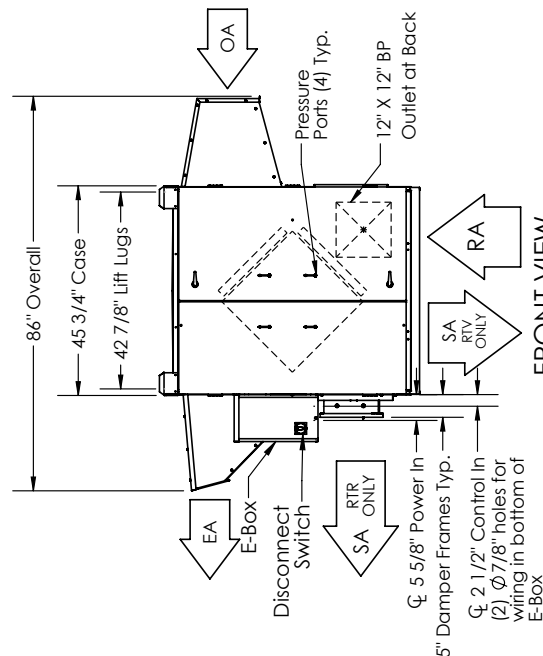


TOP VIEW

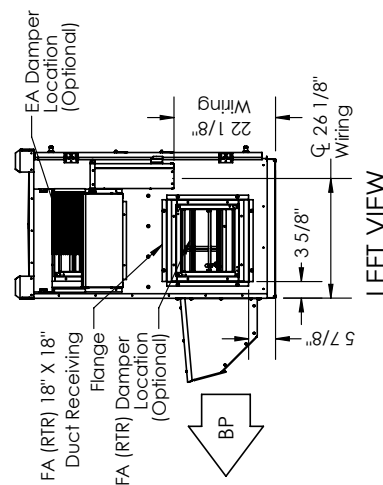
CURB CROSS-SECTION A-A (TYP.)



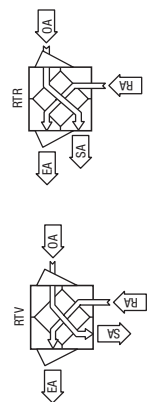
RIGHT VIEW



FRONT VIEW



LEFT VIEW



AIRFLOW CONFIGURATION
Available as shown:



UNIT MOUNTING & APPLICATION
Must be mounted as shown. Airstreams cannot be switched. Duct configuration is field convertible.

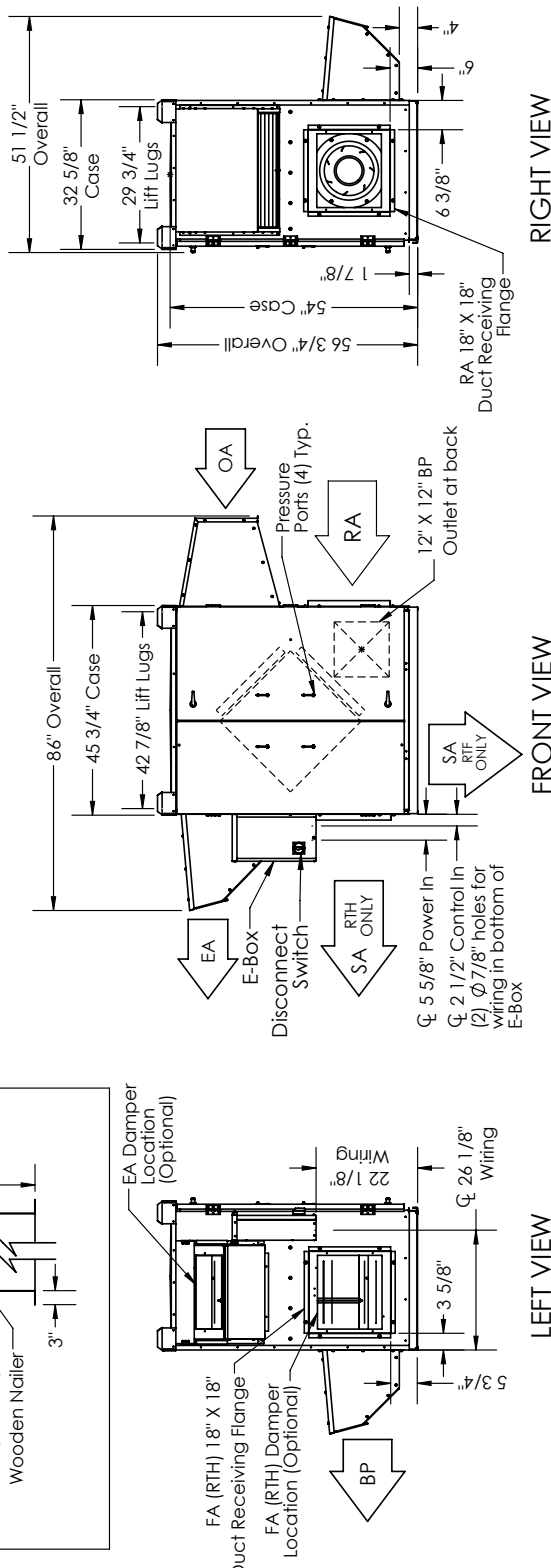
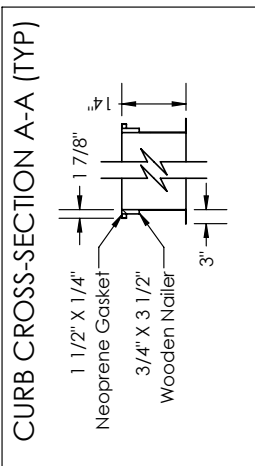
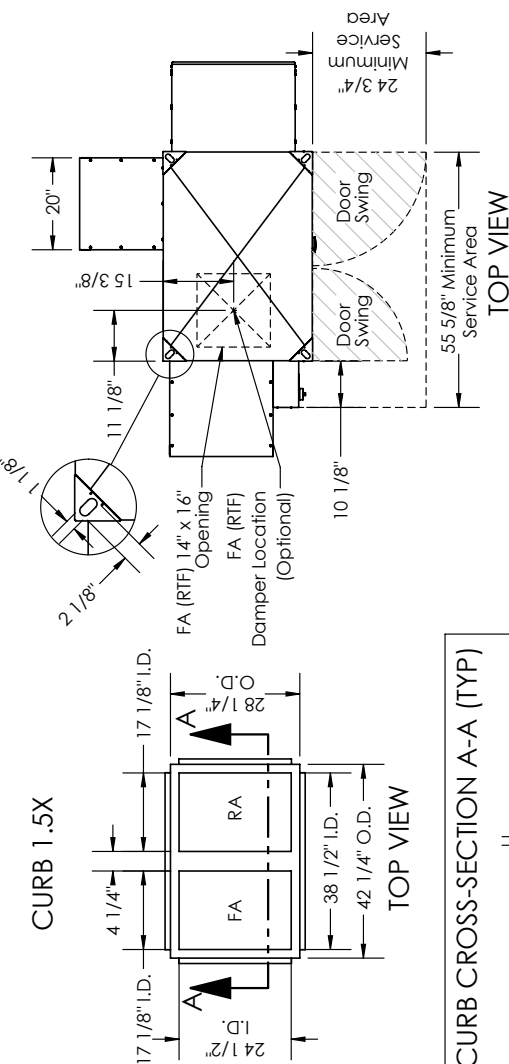


HE1.5XRT (RTH/RTF) ENERGY RECOVERY VENTILATOR WITH BYPASS ECONOMIZER

ABBREVIATIONS
 EA: Exhaust Air to outside
 OA: Outside Air intake
 RA: Room Air to be exhausted
 FA: Fresh Air to inside
 BP: Bypass Air Outlet
 RTF: Rooftop Vertical FA Only
 RTH: Rooftop Horizontal RA & FA

INSTALLATION ORIENTATION
 Unit must be installed in orientation shown.

NOTE:
 1. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE ROUNDED TO THE NEAREST EIGHTH OF AN INCH.
 2. SPECIFICATIONS MAY BE SUBJECT TO CHANGE WITHOUT NOTICE.



UNIT MOUNTING & APPLICATION
 Must be mounted as shown. Airstreams cannot be switched. Duct configuration is field convertible.

