



RERV SERIES

ROTARY ENERGY RECOVERY VENTILATORS

In applications where ventilation is required, RERV Series rotary energy recovery ventilators are used to reduce the initial investment in HVAC equipment thus reduce energy consumption and operating costs.

- Heavy gauge steel cabinets
- Novelaire 4A enthalpy wheel with molecular sieve desiccant and purge sector
- Gasket access doors and hardware
- Single point power supply
- Separate electrical/control cabinet
- Acoustically insulated cabinet ensures quiet operation
- 2" MERV 8 filters on both air streams
- Forward curve DWDI belt drive centrifugal supply and exhaust air blowers
- Premium efficiency motors
- Factory run tested prior to shipping
- AHRI Certified
- QPS special inspection approval

RERV Series: Indoor/Outdoor 250 – 20000 CFM

RERVX Series: Indoor/Outdoor 250 – 20000 CFM extended cabinet

RERVLP Series: Indoor low profile ceiling mount 250 – 3300 CFM

RERVHC Series: Indoor/Outdoor 250 – 20000 CFM with integrated heating & cooling



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RERV MODEL SERIES

ROTARY ENERGY RECOVERY VENTILATORS

The following chart lists the available unit models with the CFM range for the supply and exhaust air, and other unit component data.

UNIT MODEL	CFM RANGE	ROTARY ENERGY RECOVERY WHEEL CASSETTE MODEL No.	SUPPLY AND EXHAUST FAN SIZE AND TYPE	FILTER TYPE, QUANTITIES AND SIZES
RERV-256	250 - 600	ECW244	10 X 10 FC DWDI	PLEATED – MERV 8 S/A 1 - 20 X 25 X 2 E/A 1 - 20 X 25 X 2
RERV-511	500 - 1100	ECW244		
RERV-1019	1000 - 1900	ECW324	12 X 12 FC DWDI	PLEATED – MERV 8 S/A 2 - 18 X 20 X 2 E/A 2 - 18 X 20 X 2
RERV-1324	1300 - 2400	ECW364		
RERV-1533	1500 - 3300	ECW424	18 X 18 FC DWDI	PLEATED – MERV 8 S/A 2 - 24 X 24 X 2 E/A 2 - 24 X 24 X 2
RERV-3045	3000 - 4500	ECW484		
RERV-3550	3500 - 5000	ECW486		
RERV-4055	4000 - 5500	ECW544	22.13 x 22.13 FC DWDI	PLEATED – MERV 8 S/A 6 - 20 X 20 X 2 E/A 6 - 20 X 20 X 2
RERV-4567	4500 - 6700	ECW604		
RERV-5082	5000 - 8200	ECW664		
RERV-6098	6000 - 9800	ECW666		
RERV-7011	7000 - 11000	ECW726	25.25 x 25.25 FC DWDI	PLEATED – MERV 8 S/A 6 - 24 X 24 X 2 E/A 6 - 24 X 24 X 2
RERV-15000	12000 - 15000	ECW846		
RERV-20000	16000 - 20000	ECW966		PLEATED – MERV 8 S/A 8 - 24 X 24 X 2 E/A 8 - 24 X 24 X 2

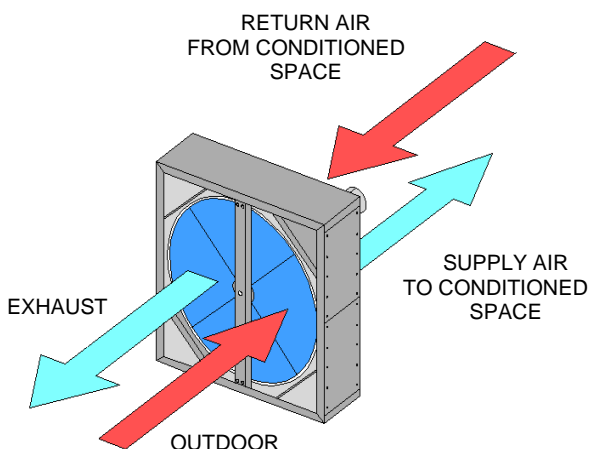
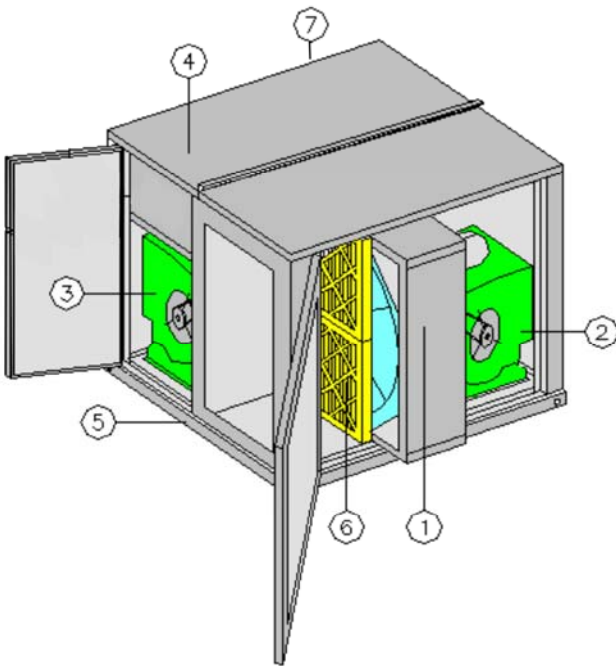


PRODUCT DESCRIPTION

The Spinnaker Industries Inc. Model Series RERV Packaged Ventilation Units are designed for indoor and outdoor applications with efficiency and cost effectiveness in mind. Air volume capacity ranges from 250 to 20,000 CFM. Quality features include heavy gauge construction, weather resistant powder coat finish, quiet running forward curved blowers with ball bearings, adjustable v-belt drives, hinged access doors with perimeter gasket, and many other standard features.

RERV Package Ventilation units incorporate an energy recovery wheel assembly to recover waste heat energy from the stale exhaust air to preheat the fresh air during the winter season, and reject heat energy, thus cooling the fresh air during the summer season.

The energy recovery wheel assembly is designed to transfer the sensible or total energy between counter flowing supply and exhaust air streams. The assembly consists of a motor driven energy recovery wheel with heavy gauge galvanized steel casing. The recovery wheel itself is fabricated from a synthetic fiber-based substrate impregnated with non-migrating water selective 4A molecular sieve desiccant. The recovery wheel assembly is UL tested and UL recognized as a component for heat recovery ventilators. The recovery wheel is ARI certified using the 84-1991 ASHRAE standard method of testing and ARI standard 1060.



ITEM 1 : ROTARY ENERGY RECOVERY WHEEL ASSEMBLY:

CASSETTE SLIDES OUT FOR EASY ACCESS .FACTORY SET PURGE ELIMINATES CROSSOVER. INTEGRAL WHEEL DRIVE MOTOR, PULLEY,AND BELT(S). SYNTHETIC FIBER-BASED MEDIA IMPREGNATED WITH A NON-MIGRATING WATER SELECTIVE 4A MOLECULAR DESICCANT SIEVE

ITEM 2 : FRESH AIR SUPPLY BLOWER ASSEMBLY:

FORWARD CURVE DWDI WITH BALL BEARINGS ,ADJUSTABLE MOTOR MOUNTS ,ADJUSTABLE CAST-IRON V-BELT DRIVES TEFC / ODP MOTORS

ITEM 3 : STALE AIR EXHAUST BLOWER ASSEMBLY:

FORWARD CURVE DWDI WITH BALL BEARINGS ,ADJUSTABLE MOTOR MOUNTS ,ADJUSTABLE CAST-IRON V-BELT DRIVES TEFC / ODP MOTORS

ITEM 4 : CABINET:

HEAVY GAUGE SATIN COAT STEEL CABINET ROOF SEAMS FULLY CAULKED WITH OVER-HANG FLANGE AND DRIP EDGE. HINGED ACCESS DOORS WITH LATCHES , PERIMETER GASKET ,NSULATION AND DOUBLE SKIN. FOIL FACE INSULATION ON ALL INTERIOR SURFACES WITH EDGES TAPED. INSULATED DOUBLE SKINNED FLOOR. WEATHER RESISTANT POWDER COAT FINISH

ITEM 5 : HEAVY GAGE GALVANIZED STEEL PERIMETER BASE:

INTEGRAL CROSS SUPPORTS AND LIFT HOLES . BASE HAS-BEEN DESIGNED TO OVERHANG ROOF CURB TO ELIMINATE WATER PENETRATION

ITEM 6 : FILTERS:

2" MERV 8 PLEATED MEDIUM EFFICIENCY SUPPLY AND RETURN AIR FILTERS. THROWAWAY TYPE .

ITEM 7 : CONTROL / ELECTRICAL ENCLOSURE:

CONTAINS BLOWER MOTOR FUSING, CONTACTS, AND THERMAL OVERLOADS LOW VOLTAGE CONTROL TRANSFORMER WITH FUSES COLOUR CODED WIRING AND NUMBERED TERMINAL STRIP, ONBOARD MICROPROCESSOR



RERV

Standard Features

UNIT CONSTRUCTION

- Constructed for indoor/outdoor use
- 18 / 20 ga. satin coat steel casing wall and roof panels
- 18 ga. galvanized steel floor and center partition panels
- 14 ga. galvanized steel base frame with lifting holes
- Casing interior surfaces to be lined with 1" foil faced insulation, 3 lb /cu.ft minimum density with all seams foil taped
- Hinged access doors complete with latches, full perimeter rubber bulb seal gasket and double skin
- Powder coated exterior finish (Sky Grey)

ROTARY WHEEL ASSEMBLY

- Heavy gauge galvanized steel casing
- Removable side panels for drive access
- Inboard no-maintenance bearings
- Assembly slides in and out of unit for ease of inspection and removal
- Non-migrating water selective 4A molecular sieve desiccant
- Purge section to eliminate cross over of return air to supply air
- Wheel drive consists of a Drip proof drive motor with automatic internal thermal overload, fixed pulley, and a durable urethane drive belt
- Performance tested using ASHRAE standard 84-1991 and ARI standard 1060

SUPPLY AND EXHAUST FANS

- Centrifugal forward curved double inlet wheels
- Ball bearings
- TEFC / ODP motors with ball bearings, class B construction
- Variable v-belt drives with adjustable motor mounts

FILTERS

- 2" pleated MERV 8 throwaway type
- Fresh air filters on entering side of rotary wheel
- Return air filters on entering side of rotary wheel

ELECTRICAL COMPONENTS

- Supply and exhaust fan motor fuses, contactors, and thermal overloads
- Rotary wheel drive motor contactor
- Control transformer with primary and secondary fuses
- Numbered terminal strip
- Onboard microprocessor
- Internally pre-wired and operational tested
- QPS Special inspection approval



RERV

Optional Accessories

DUCT CONNECTION ARRANGEMENTS

- Arrangement H (Horizontal duct connections)
- Arrangement D (Downflow, bottom duct connections)
- Arrangement C (Combination, horizontal supply, bottom return)

ROOF CURBS

- 14" CLIPLOCK knockdown roof curb to suit required arrangement (18" and 24" available)
(Shipped loose for field assembly) - Custom heights and sloped curbs available
- Welded curbs with internal insulation - Custom heights and sloped curbs available
- 1" & 2" deflection Isolation head assemblies with internal flexible connectors

MISCELLANEOUS

- Spring vibration isolators for indoor hung or base mounted applications (shipped loose for field install)
- Flexible duct connectors (Shipped loose for field installation on unit external duct connections)
- 22 gauge inner cabinet liner
- Foam Insulation for increase cabinet R value
- Sensible only energy recovery wheel
- Internal spring isolators (RERV 1533 - RERV 20000)
- Internal (RSR) rubber/shear /rubber isolators (RERV 256 – RERV 3550)

HOODS AND DAMPERS

- Fresh air inlet hood with entrainment filter and bird screen
- Exhaust air discharge hood with bird screen
- Fresh air inlet motorized low leakage parallel blade damper with end switch
- Exhaust discharge motorized low leakage parallel blade damper with end switch
- Gravity damper for exhaust discharge

FROST CONTROL

- Exhaust only frost control
- Electric pre-heat frost control
- Variable frequency drive (VFD) on energy recovery wheel motor for frost control
- Recirculation frost control

FREE COOLING CONTROLS

- Fresh air enthalpy control for free cooling (Recovery wheel shutdown)
- Fresh air ambient temperature control for free cooling (Recovery wheel shutdown)

MISCELLANEOUS ELECTRICAL

- Non-fused or fused disconnect switch
- Variable frequency drives (VFD) for supply and exhaust fan motors (Control by others)
- Two speed motors on supply and exhaust fans (Control by others)
- 7 day programmable timer (remote wall mount shipped loose for field installation)
- Dirty filter pressure differential switches (Optional remote panel with indicator light(s) available)
- Remote on-off switch (Shipped loose) (Optional remote panel with indicator light(s) available)
- CO₂ control for remote wall mount (Shipped loose for field installation)
- Smoke detector for remote duct mount (Shipped loose for field installation)
- Smoke detector - unit mounted
- Recovery wheel rotation sensor (Optional remote panel with indicator light available)
- Digital CFM monitor – read only in CFM
- EBTRON OAFM (outdoor air flow monitor) with ALERT remote audible alarm
- Economizer interlock (Supply fan and energy recovery wheel stopped , exhaust fan runs)
- Energy recovery wheel stop / jog control
- Microprocessor control system with temperature and humidity sensors
- Microprocessor control system remote read out panel
- Microprocessor control system BACNET card



RERV / RERVX

Optional Energy Saving Accessory Descriptions

Fresh air ambient temperature control for free cooling

Two fresh air ambient temperature controls can be factory installed to de-energize the energy recovery wheel above 55°F and below 75°F. Both temperature controls are field adjustable to suit design conditions.

This option prevents unnecessary heating of supply air through energy recovery during these outdoor temperatures.

Option includes: Factory installed 2 ambient temperature controls

Fresh air enthalpy control for free cooling

The fresh air enthalpy control has effectively the same function as the fresh air ambient temperature control. This option includes a fresh air temperature control and a logic controller with an enthalpy sensor.

The fresh air temperature control energizes the energy recovery wheel below 55°F. The enthalpy control senses the enthalpy of the fresh air, which is a combination of the air temperature and relative humidity. The enthalpy control will energize the energy recovery wheel above the set point which is actually a range of fresh air temperature -humidity combinations, for example, from approximately 63°F 80% RH, to 82°F 10% RH, for setting "A". The enthalpy control has 4 field adjustable settings to suit design conditions.

Option includes: Factory installed enthalpy control and ambient temperature control



"RERV - RERVX"

PACKAGED ROTARY ENERGY RECOVERY VENTILATORS

250-20,000 CFM Capacities

Packaged recovery ventilation units shall be Spinnaker Industries Inc. Model Series RERV and RERVX. Units shall be factory assembled, wired and tested prior to shipment. Units shall bear a QPS special inspection label. Field wiring shall require a single point power connection and a numbered terminal strip for low voltage remote wiring connections.

UNIT CONSTRUCTION

Unit construction to suit indoor or outdoor applications. All exterior cabinet screws shall be Clima-seal with bonded washer. Unit casing shall be minimum 18 gauge satin coat steel with weather resistant powder coat finish. Units with bear metal or an air dried paint finish will not be accepted. All seams to be sealed with weather resistant caulking. All interior cabinet surfaces shall be lined with 1" thick, 3 lbs/cu ft density foil faced insulation, with seams foil taped. Access doors and center partitions to be lined with ¼" thick foil faced polyethylene bubble insulation, with seams foil taped. The floor shall be double skinned to protect the 2" thick, minimum 1.5 lbs/cu ft density insulation. The base shall be constructed with heavy gauge galvanized steel with integral supports. Perimeter base frame designed to be such that it overhangs when mounted on a roof curb. Access doors shall be double skinned hinged type with a minimum of two hinges and latches per door, fitted with a dual durometer extruded flexible vinyl seal rated to -40 deg. F. Units with lift off access doors will not be accepted.

ENERGY RECOVERY WHEEL ASSEMBLY

The energy recovery wheel assembly casing shall be constructed with heavy gauge galvanized steel, reinforced at sealing surfaces, removable end panels for drive access, inboard no-maintenance permanently sealed roller bearings for small assemblies, external pillow block bearings for large assemblies, and an adjustable non-contact neoprene bulb peripheral and inner seal. The wheel assembly shall slide in and out of the unit on a galvanized steel track for ease of inspection and maintenance.

The wheel media shall be constructed of a corrugated synthetic fiber-based substrate impregnated with a non-migrating water selective 4A molecular sieve desiccant uniformly and permanently dispersed throughout the matrix structure. The wheel media shall be spirally wound to form fluted honeycomb geometry so as to eliminate internal wheel bypass. Wheel layers that can be separated or spread apart by airflow are unacceptable due to the possibility of channeling and performance degradation. Face flatness of the wheel shall be maximized (+/- 0.032 inches) in order to minimize wear on inner seal surfaces and minimize cross leakage. The wheel shall be complete with a purge section, minimizing cross over of return air into supply air, with a non-contact bulb seal. Wheels with large pore size desiccants like silica gel, that are coated, bonded, or synthesized onto the media or without a purge section will not be accepted. The wheel shall consist of evenly spaced galvanized steel spokes, a galvanized steel outer band, and an aluminum center hub.

The standard drive system shall consist of a standard motor, fixed pulley, and link type drive belt constructed from a high performance polyurethane elastomer reinforced with multiple plies of polyester fabric. The drive pulley and belt shall drive the wheel from inside the assembly casing. Wheels with drive pulleys and belts that are exposed will not be accepted. Single phase drive motors shall have integral automatic reset thermal overload protection. Three phase drive motors shall have a manual reset thermal overload mounted in the unit control enclosure.

Wheel media shall be in accordance with NFPA, and be UL tested and UL recognized as a component for heating and heating-cooling appliance accessories. Energy recovery wheels shall be rigorously performance tested using the ASHRAE 84-1991 and ARI 1060 standard method of testing. Recovery wheels shall be ARI certified and must bear the ARI certification stamp.

FANS

Supply and exhaust fans shall be forward curved double width double inlet with ball bearings. Fan drive shaft shall be polished with keyways for drive pulley mounting. Unit fans with machined flats on fan shafts for drive pulley mounting will not be accepted. Fans shall have ball bearings suitable for operation in ambient temperatures of -65 to 250 deg. F with a minimum L10 life in excess of 100,000 hours at maximum cataloged operating speeds. Fan bearings shall be permanently lubricated and sealed, mounted in resilient neoprene rings. Fan housings shall have extruded holes for base side mounting. Fans in units with air flow capacity greater than 2500 CFM shall have welded steel angle frames. Fans in units with air flow capacity greater than 5000 CFM shall have welded steel angle frames with T bar supports with cast iron pillow block bearings with grease nipples. Fan motors shall be rated continuous duty, ball bearing construction, and have class F insulation. Variable pitch v-belt drives, of cast iron construction and adjustable motor mounts to be provided. Units with fans, motors, and drives that do not meet the above criteria will not be accepted.

FILTERS

The supply entering and exhaust entering sides of the recovery wheel shall be complete with 2" deep MERV 8 medium efficiency pleated filters throwaway type. Units without supply and exhaust filters will not be accepted.

CONTROLS AND ELECTRICAL

Unit controls shall be mounted with in an integral enclosure with inner hinged access plate and exterior hinged access door so that fan access doors remain fully closed to maintain accurate fan performance during control adjustment. The exterior hinged access door shall be the same construction as the other unit access doors with two latches that require a screw driver to open. Two ½" trade size knockouts shall be provided on the side of the unit that leads into the electrical control enclosure.

Unit controls shall include: supply and exhaust fan motor fuses, contactors, and manual reset thermal overloads, energy recovery wheel drive motor contactor, and control transformers with primary and secondary fusing. Unit wiring shall be color coded with a numbered terminal strip for low voltage wiring and field connections. Unit shall have single point power input terminals. Units without separate motor fusing and contactors will not be accepted

OUTDOOR UNITS

Outdoor units shall be provided with factory installed fresh air inlet and exhaust hoods. Hoods are constructed with minimum 18 gauge satin coat steel with the same finish as the unit. Fresh air inlet hoods are complete with removable washable inlet filters with galvanized steel wire mesh on the entering and leaving air sides of the filter that doubles as bird screen. Exhaust hoods are complete with a galvanized steel wire mesh bird screen. All flanges that meet the unit shall be sealed with caulking. All exposed screws shall be stainless steel.

ACCEPTANCE

Verify prior to bidding that the units meet the specified construction, and scheduled performance and electrical characteristics. Units that do not meet the specified construction, accessories, or scheduled performance and electrical characteristics will not be accepted.

ADDITIONAL ACCESSORIES

ROOF CURBS

Roof curbs shall be knock down constructed with minimum 18 gauge galvanized steel 14" high with perimeter wood nailer and patented Cliplock corner clips to facilitate field assembly without the use of tools. Adhesive backed foam gasket seal shall be provided loose for field installation to act as a seal between the unit and the roof curb. Bolt together roof curbs will not be accepted.

1" DEFLECTION ISOLATION ROOF CURB

Spring isolation roof curbs shall consist of an isolation head assembly and a knock down Cliplock roof curb to allow early shipment of the curb portion for installation before unit arrival. The isolation head assembly will ship with the unit for installation prior to unit mounting. The isolation head assembly shall have 1" deflection open type spring isolators mounted within a full perimeter fully welded two piece frame constructed from minimum 18 gauge satin coat steel with baked enamel finish that matches unit finish, complete with a full perimeter dual durometer extruded flexible vinyl seal rated to -40 deg. F to allow movement and maintain a water resistant seal. Flex connectors shall factory installed in the duct openings of the isolation head for down flow applications only. The knock down Cliplock roof curb shall be constructed with minimum 18 gauge galvanized steel with perimeter wood nailer and patented Cliplock corner clips to facilitate field assembly without the use of tools.

FRESH AIR MOTORIZED INLET DAMPER

Units shall be complete with factory installed and wired fresh air inlet two position gear driven motorized damper constructed with minimum 20 gauge galvanized steel, stainless steel side seals. Damper motor shall be spring return, 24 volt powered, and complete with an internal circuit to ensure fan activation when damper is fully open. Outdoor applications will require the damper assembly to be mounted within the fresh air hood. Indoor applications will require the damper assembly to be mounted within a sleeve constructed from minimum 18 gauge satin coat steel with baked enamel finish that matches unit finish. All flanges that meet the unit shall be sealed with caulking.

EXHAUST AIR MOTORIZED DISCHARGE DAMPER

Units shall be complete with factory installed and wired exhaust air discharge two position gear driven motorized damper constructed with minimum 20 gauge galvanized steel, stainless steel side seals. Damper motor shall be spring return, 24 volt powered, and complete with an internal circuit to ensure fan activation when damper is fully open. Outdoor applications will require the damper assembly to be mounted within the exhaust air hood. Indoor applications will require the damper assembly to be mounted within a sleeve constructed from minimum 18 gauge satin coat steel with baked enamel finish that matches unit finish.

EXHAUST ONLY FROST CONTROL

Units shall include a pressure differential switch and an adjustable on delay timer relay. If frost occurs the supply air fan is de-energized and the fresh air damper is for a timed cycle of 4 minutes. The exhaust air fan will continue operating until the warm indoor air defrosts the recovery wheel and the pressure across the recovery wheel is reduced to normal. This option should not be selected when the unit is being used for toilet exhaust or when constant uninterrupted ventilation is required .

ELECTRIC PREHEAT FROST CONTROL

Units shall include a factory installed and wired electric pre-heater to maintain a minimum fresh air temperature entering the recovery wheel to prevent a frost condition. The pre-heater shall have open type helically coiled elements constructed of nickel-chrome wire that is resistant to oxidation, and abrasion. Frame and control enclosure shall be constructed of galvanized steel. Pre-heater controls shall include automatic reset thermal cut-out, contactor, airflow proving switch, 24 volt control transformer, and full SCR control. Staged pre-heaters will not be accepted. A proportional discharge temperature control shall be factory mounted in the unit fresh air plenum set to maintain a constant entering air temperature to the wheel to avoid frost, pre heater will modulate to maintain the required temperature. Capacity of the pre-heater shall be as listed in the schedule. Pre-heater source power wiring shall connect to the single point power input terminal of the unit.

RE-CIRCULATION FROST CONTROL

Units shall include a two position gear driven motorized re-circulation damper, pressure differential switch and an adjustable on delay timer relay. If frost occurs, the pressure increase will cause the pressure differential switch to open the recirculation damper, shut the exhaust fan off and close the fresh air damper. The supply fan will continue run , exhaust air will be re-circulated for a period of time governed by the delay timer. This option should not be selected when the unit is being used for toilet exhaust.

VARIABLE FREQUENCY DRIVE FOR FROST CONTROL

The variable speed frost control option is an exhaust air temperature humidity function that allows for continuous ventilation by reducing the recovery wheel rotational speed. The recovery wheel is modulated to maintain an exhaust air humidity level of 98% to prevent frost formation. This option may not be suitable in areas with outdoor winter ambient design conditions below - 10°F .

COOLING COILS

Direct expansion or chilled water coils are available on RERVX extended cabinet units only , coils shall be selected and rated in accordance with ARI 410.Coils shall have copper tubes with permanently expanded aluminum fins and a galvanized steel frame. Direct expansion coils shall be equipped with distributors to receive expansion valves at the liquid connections(by others)

HOT WATER / STEAM HEATING COILS

Coils are available on RERVX extended cabinet units only shall be factory tested and rated in accordance with ARI 410. Coils shall have copper tubes with permanently expanded aluminum fins and a galvanized steel frame.

ELECTRIC RE HEAT

Electric re heat is available on RERVX extended cabinet units only .Units shall include a factory installed and wired electric heater to maintain the required leaving air temperature. The heater shall have open type helically coiled elements constructed of nickel-chrome wire that is resistant to oxidation, and abrasion. Frame and control enclosure shall be constructed of galvanized steel. Heater controls shall include automatic reset thermal cut-out, contactor, airflow proving switch, 24 volt control transformer, and full SCR control. Staged pre-heaters will not be accepted. A proportional discharge temperature control shall be factory mounted in the unit and will modulate to maintain the required temperature. Capacity of the heater shall be as listed in the schedule. Heater source power wiring shall connect to the single point power input terminal of the unit.

NATURAL GAS RE HEAT

Natural gas re heat is available on RERVX extended cabinet units only .Units shall include a factory installed and wired natural gas heat exchanger(s) to maintain the required leaving air temperature. The heat exchanger(s) shall be tubular design and be constructed of 409 stainless steel . Frame and control enclosure shall be constructed of galvanized steel. Heater shall include an internal gas train, venting ,24 volt control transformer. 5: 1 or 10:1 turndown or staged versions are available, capacity of the heater shall be as listed in the schedule. Heater source power wiring shall connect to the single point power input terminal of the unit. A discharge temperature control shall be factory mounted in the unit and will set to maintain the required leaving air temperature..

OTHER ACCESSORIES

- Flexible duct connectors (Shipped loose for field installation on indoor applications)
- 22 gauge galvanized inner cabinet liner (Aluminum or Stainless steel is also available)
- Sensible only energy recovery wheel
- Internal 1" thick foam insulation - R6.2 (all unit sizes)
- Internal 1.5" thick foam insulation - R9.3 (all unit sizes)
- Internal 2" thick foam insulation - R12.4 (RERV 4055 – RERV 20000)
- Extruded aluminum insulated dampers
- Fresh air enthalpy control for free cooling (Recovery wheel shutdown to prevent unnecessary heating of supply air)
- Fresh air ambient temp. control for free cooling (Recovery wheel shutdown to prevent unnecessary heating of supply air)
- Non-fused or fused disconnect switch (200 Amp rating max.)
- Variable frequency drives (VFD) for supply and exhaust fan motors
- 7 day programmable timer (unit mounted)
- 7 day programmable timer (Shipped loose for field installation)
- Dirty filter pressure differential switches
- Remote on-off switch (Shipped loose for field installation)
- Recovery wheel rotation sensor
- Remote panel with dirty filter lights (Shipped loose for field installation)
- Remote panel with system on / off lights (Shipped loose for field installation)
- Remote panel with energy recovery wheel rotation status light (Shipped loose for field installation)
- Digital Air flow monitor (read only in CFM)
- EBTRON Outdoor Air Flow Monitor with ALRT remote audible alarm
- Welded insulated roof curbs 14" -18" and 24" high
- Cliplock knockdown roof curbs 18" and 24" high
- 2" deflection Isolation heads
- Seismic rated roof curbs
- Seismic rated Isolation curb assemblies
- Internal spring Isolators under supply and exhaust blower (RERV 1533 – RERV 20000)
- RSR Isolators under supply and exhaust blower (RERV 256 – RERV 1533)
- Economizer interlock (closes O/A damper , stops supply fan and energy wheel , exhaust can continues to run)
- Remote wall mount CO₂ control (Shipped loose for field installation)
- Remote duct mount CO₂ control (Shipped loose for field installation)
- Stop / Jog control
- Remote duct mount Fire stat (Shipped loose for field installation)
- Remote duct mount smoke detector (Shipped loose for field installation)
- Micro processor control (unit mounted with 4 – temperature sensors)
- Micro processor control remote read out panel
- Micro processor control humidity sensor (unit mounted)
- Micro processor control BACNET card



SERVICE CLEARANCES FOR RERV/RERVX MODEL SERIES UNITS

SERVICE CLEARANCE REQUIREMENTS:-

THE MINIMUM CLEARANCE SHOWN IN FIG.1 MUST BE MAINTAINED FOR ACCESS AND REMOVAL OF INTERNAL COMPONENTS.

RERV / RERVX256/511 A=31" B=37" C=30"

RERV / RERVX1019/1324 A=50" B=37" C=30"

RERV / RERVX1533/3550 A=62" B=48" C=32"

RERV / RERVX4055 A=68" B=48" C=32"

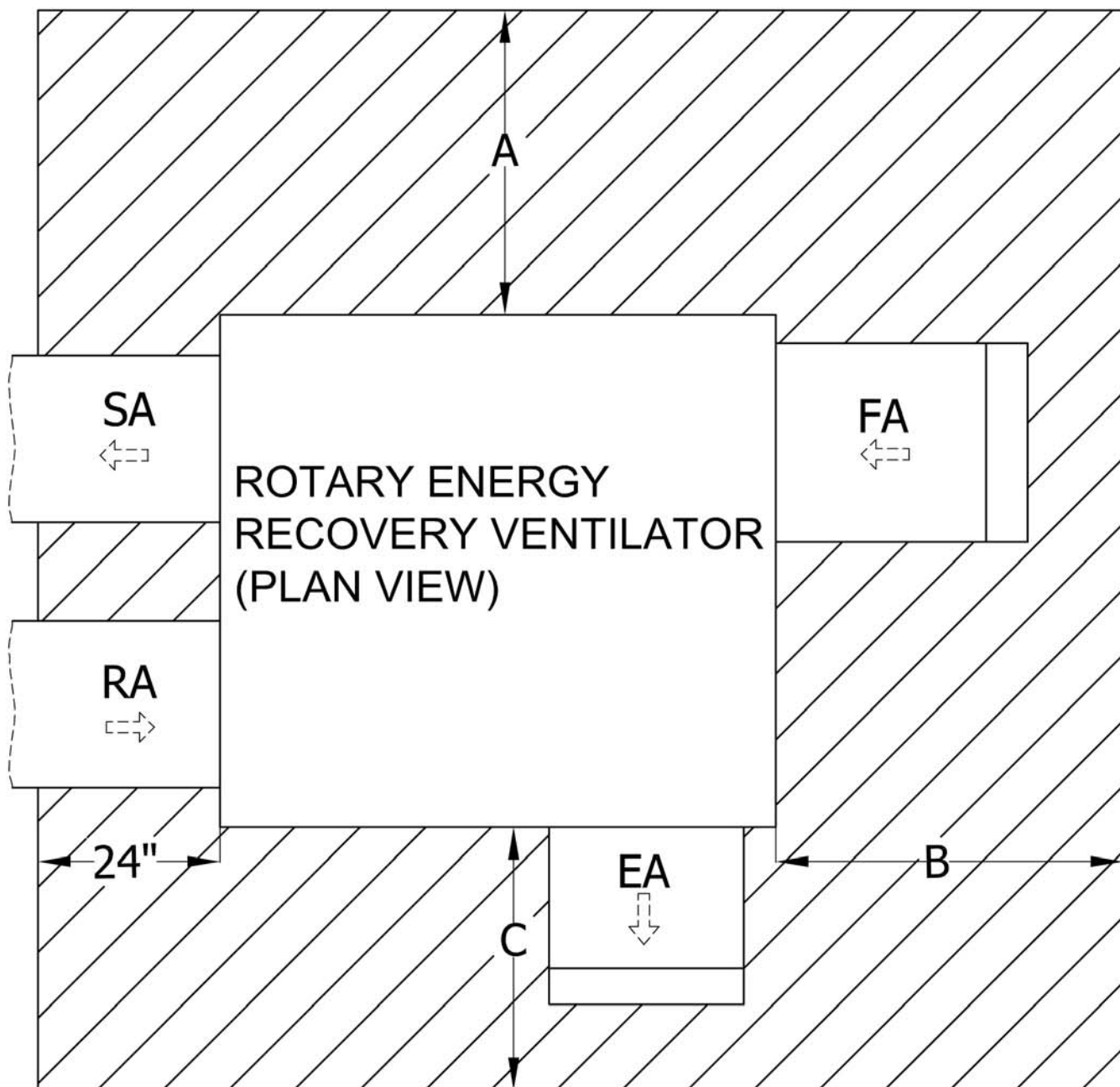
RERV / RERVX4567/5082 A=80" B=48" C=32"

RERV / RERVX6098/7011 A=86" B=48" C=32"

RERV / RERVX15000 A=102" B=60" C=48"

RERV / RERVX20000 A=114" B=60" C=48"

THE FRESH AIR INLET SHOULD BE AWAY FROM SOURCES OF CONTAMINANTS SUCH AS DISCHARGE AIR FROM OTHER VENTILATION UNITS.



RERV/RERVX SERVICE CLEARANCE

JUN.,08,2016



ROTARY ENERGY RECOVERY VENTILATOR FAN PERFORMANCE CHART

RERV-256 (250 TO 600 CFM CAPACITY)

CFM		EXTERNAL STATIC PRESSURE (INCHES WC)								ΔP
		0.1	0.3	0.5	0.7	0.9	1.1	1.3	1.5	
250	RPM	760	856	942	1020	1093	1160	1223	1283	0.015
	BHP	0.10	0.13	0.18	0.22	0.27	0.32	0.37	0.42	
425	RPM	934	1017	1093	1163	1229	1291	1351	1407	0.029
	BHP	0.20	0.25	0.30	0.35	0.41	0.47	0.53	0.60	
600	RPM	1085	1159	1228	1293	1345	1413	1469	1522	0.042
	BHP	0.33	0.39	0.46	0.52	0.59	0.66	0.73	0.81	

ΔP = OPTIONAL FRESH AIR HOOD WITH FILTER PRESSURE DROP VALUE (INCHES WC)

RERV-511 (500 TO 1100 CFM CAPACITY)

CFM		EXTERNAL STATIC PRESSURE (INCHES WC)								ΔP
		0.1	0.3	0.5	0.7	0.9	1.1	1.3	1.5	
500	RPM	880	970	1052	1126	1196	1261	1323	1381	0.035
	BHP	0.18	0.23	0.28	0.34	0.40	0.46	0.52	0.59	
800	RPM	1078	1157	1229	1298	1362	1422	1480	1535	0.048
	BHP	0.37	0.45	0.52	0.59	0.67	0.75	0.83	0.91	
1100	RPM	1235	1311	1382	1449	1510	1567	1622	1675	0.060
	BHP	0.64	0.73	0.83	0.92	1.02	1.12	1.22	1.32	

ΔP = OPTIONAL FRESH AIR HOOD WITH FILTER PRESSURE DROP VALUE (INCHES WC)

RERV-1019 (1000 TO 1900 CFM CAPACITY)

CFM		EXTERNAL STATIC PRESSURE (INCHES WC)								ΔP
		0.1	0.3	0.5	0.7	0.9	1.1	1.3	1.5	
1000	RPM	962	1061	1150	1230	1305	1373	1436	1495	0.065
	BHP	0.34	0.42	0.51	0.59	0.68	0.77	0.85	0.95	
1225	RPM	1032	1126	1212	1291	1365	1435	1500	1562	0.074
	BHP	0.47	0.57	0.66	0.76	0.87	0.97	1.07	1.18	
1450	RPM	1099	1189	1272	1349	1422	1491	1555	1617	0.087
	BHP	0.63	0.74	0.85	0.96	1.08	1.20	1.32	1.44	
1675	RPM	1155	1240	1320	1395	1467	1536	1599	1661	0.097
	BHP	0.81	0.93	1.05	1.18	1.31	1.44	1.57	1.70	
1900	RPM	1211	1291	1368	1441	1510	1577	1641	1699	0.108
	BHP	1.01	1.14	1.28	1.42	1.56	1.71	1.85	1.99	

ΔP = OPTIONAL FRESH AIR HOOD WITH FILTER PRESSURE DROP VALUE (INCHES WC)



ROTARY ENERGY RECOVERY VENTILATOR FAN PERFORMANCE CHART

RERV-1324 (1300 TO 2400 CFM CAPACITY)

CFM		EXTERNAL STATIC PRESSURE (INCHES WC)								ΔP
		0.1	0.3	0.5	0.7	0.9	1.1	1.3	1.5	
1300	RPM	912	1018	1114	1202	1283	1358	1429	1495	0.075
	BHP	0.39	0.49	0.58	0.68	0.79	0.89	1.00	1.11	
1575	RPM	977	1075	1165	1251	1330	1405	1475	1542	0.097
	BHP	0.55	0.66	0.77	0.89	1.01	1.13	1.25	1.38	
1850	RPM	1043	1126	1211	1292	1369	1441	1511	1578	0.119
	BHP	0.74	0.86	0.98	1.11	1.25	1.38	1.52	1.66	
2125	RPM	1125	1197	1268	1343	1415	1485	1553	1617	0.141
	BHP	1.00	1.12	1.25	1.39	1.54	1.69	1.84	2.00	
2400	RPM	1204	1271	1336	1398	1463	1528	1592	1655	0.163
	BHP	1.31	1.44	1.58	1.72	1.88	2.04	2.20	2.37	

ΔP = OPTIONAL FRESH AIR HOOD WITH FILTER PRESSURE DROP VALUE (INCHES WC)

RERV-1533 (1500 TO 3300 CFM CAPACITY)

CFM		EXTERNAL STATIC PRESSURE (INCHES WC)								ΔP
		0.1	0.3	0.5	0.7	0.9	1.1	1.3	1.5	
1500	RPM	715	814	904	994	1082	1159	1231	1296	0.065
	BHP	0.30	0.39	0.48	0.60	0.72	0.85	0.97	1.09	
1750	RPM	749	840	926	1005	1079	1158	1234	1305	0.070
	BHP	0.39	0.49	0.58	0.69	0.81	0.94	1.09	1.24	
2000	RPM	787	872	952	1027	1099	1167	1232	1299	0.077
	BHP	0.51	0.61	0.72	0.82	0.94	1.07	1.20	1.35	
2250	RPM	823	902	977	1049	1117	1183	1246	1306	0.085
	BHP	0.64	0.75	0.86	0.98	1.10	1.22	1.37	1.51	
2500	RPM	861	934	1005	1072	1138	1201	1261	1320	0.090
	BHP	0.80	0.91	1.03	1.16	1.29	1.42	1.56	1.69	
2750	RPM	898	968	1033	1097	1159	1220	1278	1335	0.105
	BHP	0.98	1.10	1.22	1.35	1.49	1.64	1.78	1.93	
3000	RPM	934	1000	1063	1123	1182	1239	1296	1350	0.120
	BHP	1.18	1.31	1.44	1.58	1.72	1.86	2.02	2.18	
3300	RPM	1049	1108	1165	1221	1275	1327	1378	1429	0.132
	BHP	1.61	1.75	1.90	2.05	2.21	2.37	2.53	2.70	

ΔP = OPTIONAL FRESH AIR HOOD WITH FILTER PRESSURE DROP VALUE (INCHES WC)



ROTARY ENERGY RECOVERY VENTILATOR FAN PERFORMANCE CHART

RERV-3045 (3000 TO 4500 CFM CAPACITY)

CFM		EXTERNAL STATIC PRESSURE (INCHES WC)								ΔP
		0.1	0.3	0.5	0.7	0.9	1.1	1.3	1.5	
3000	RPM	874	943	1009	1072	1131	1190	1247	1303	0.120
	BHP	1.00	1.20	1.33	1.46	1.60	1.74	1.88	2.04	
3250	RPM	909	974	1038	1101	1156	1211	1266	1319	0.125
	BHP	1.27	1.42	1.56	1.71	1.84	1.99	2.15	2.30	
3500	RPM	942	1002	1065	1123	1179	1233	1285	1336	0.135
	BHP	1.49	1.65	1.81	1.96	2.12	2.26	2.43	2.59	
3750	RPM	973	1036	1094	1150	1204	1256	1307	1356	0.145
	BHP	1.74	1.91	2.08	2.25	2.42	2.58	2.74	2.91	
4000	RPM	1012	1069	1125	1178	1230	1281	1331	1379	0.155
	BHP	2.04	2.20	2.38	2.57	2.75	2.92	3.10	3.27	
4250	RPM	1043	1099	1152	1204	1254	1303	1351	1398	0.165
	BHP	2.34	2.52	2.69	2.89	3.09	3.28	3.47	3.65	
4500	RPM	1080	1132	1184	1234	1282	1330	1376	1421	0.185
	BHP	2.69	2.80	3.07	3.26	3.47	3.67	3.88	4.08	

ΔP = OPTIONAL FRESH AIR HOOD WITH FILTER PRESSURE DROP VALUE (INCHES WC)

RERV-3550 (3550 TO 5000 CFM CAPACITY)

CFM		EXTERNAL STATIC PRESSURE (INCHES WC)								ΔP
		0.1	0.3	0.5	0.7	0.9	1.1	1.3	1.5	
3550	RPM	859	1146	1201	1254	1306	1356	1405	1453	0.126
	BHP	1.33	2.05	2.21	2.37	2.53	2.70	2.87	3.04	
3800	RPM	1132	1186	1239	1291	1349	1389	1436	1482	0.135
	BHP	2.22	2.38	2.55	2.73	2.90	3.07	3.25	3.43	
4050	RPM	1170	1222	1273	1322	1370	1417	1463	1507	0.143
	BHP	2.56	2.74	2.92	3.10	3.28	3.46	3.65	3.83	
4300	RPM	1204	1254	1303	1351	1397	1443	1487	1531	0.152
	BHP	2.93	3.11	3.30	3.49	3.68	3.87	4.07	4.26	
4550	RPM	1242	1290	1337	1383	1428	1472	1516	1558	0.161
	BHP	3.34	3.53	3.73	3.93	4.13	4.33	4.53	4.74	
4800	RPM	1279	1325	1371	1415	1459	1502	1543	1585	0.170
	BHP	3.78	3.99	4.19	4.40	4.61	4.82	5.03	5.24	
5000	RPM	1308	1354	1398	1442	1484	1526	1567	1607	0.177
	BHP	4.16	4.38	4.59	4.81	5.02	5.24	5.46	5.69	

ΔP = OPTIONAL FRESH AIR HOOD WITH FILTER PRESSURE DROP VALUE (INCHES WC)



ROTARY ENERGY RECOVERY VENTILATOR FAN PERFORMANCE CHART

RERV-4055 (4000 TO 5500 CFM CAPACITY)

CFM		EXTERNAL STATIC PRESSURE (INCHES WC)								ΔP
		0.1	0.3	0.5	0.7	0.9	1.1	1.3	1.5	
4000	RPM	697	758	816	872	930	985	1039	1090	0.123
	BHP	1.32	1.49	1.67	1.86	2.07	2.29	2.52	2.75	
4250	RPM	720	779	835	889	942	996	1048	1098	0.127
	BHP	1.51	1.70	1.89	2.09	2.29	2.52	2.75	2.99	
4500	RPM	743	800	854	905	956	1006	1057	1106	0.135
	BHP	1.73	1.93	2.13	2.33	2.54	2.76	3.0	3.25	
4750	RPM	765	820	872	922	971	1019	1066	1114	0.145
	BHP	1.97	2.17	2.38	2.59	2.81	3.03	3.27	3.52	
5000	RPM	787	840	891	940	987	1032	1077	1123	0.160
	BHP	2.22	2.44	2.65	2.87	3.10	3.33	3.56	3.81	
5250	RPM	816	867	917	964	1009	1054	1097	1139	0.168
	BHP	2.53	2.75	2.98	3.21	3.44	3.68	3.92	4.17	
5500	RPM	837	887	935	981	1025	1068	1110	1154	0.176
	BHP	2.82	3.06	3.30	3.53	3.78	4.02	4.27	4.53	

ΔP = OPTIONAL FRESH AIR HOOD WITH FILTER PRESSURE DROP VALUE (INCHES WC)

RERV-4567 (4500 TO 6700 CFM CAPACITY)

CFM		EXTERNAL STATIC PRESSURE (INCHES WC)								ΔP
		0.1	0.3	0.5	0.7	0.9	1.1	1.3	1.5	
4500	RPM	513	573	640	706	764	816	963	907	0.110
	BHP	1.08	1.26	1.51	1.86	2.19	2.51	2.83	3.15	
5000	RPM	547	602	656	719	779	832	880	925	0.123
	BHP	1.40	1.60	1.79	2.12	2.51	2.88	3.24	3.59	
5500	RPM	577	628	678	727	811	841	891	937	0.130
	BHP	1.76	1.98	2.20	2.40	2.97	3.21	3.62	4.02	
6000	RPM	608	654	700	746	791	844	8.96	944	0.145
	BHP	2.17	2.41	2.65	2.89	3.11	3.50	3.96	4.42	
6350	RPM	669	712	755	797	839	885	932	977	0.155
	BHP	2.55	2.80	3.07	3.35	3.66	4.05	4.50	4.95	
6700	RPM	696	737	778	818	858	897	943	987	0.160
	BHP	2.93	3.19	3.47	3.76	4.07	4.40	4.85	5.32	

ΔP = OPTIONAL FRESH AIR HOOD WITH FILTER PRESSURE DROP VALUE (INCHES WC)



ROTARY ENERGY RECOVERY VENTILATOR FAN PERFORMANCE CHART

RERV-5082 (5000 TO 8200 CFM CAPACITY)

CFM		EXTERNAL STATIC PRESSURE (INCHES WC)								ΔP
		0.1	0.3	0.5	0.7	0.9	1.1	1.3	1.5	
5000	RPM	515	571	626	682	747	803	853	900	0.110
	BHP	1.29	1.49	1.68	1.90	2.29	2.67	3.04	3.39	
5500	RPM	546	598	648	697	749	808	861	909	0.122
	BHP	1.62	1.85	2.07	2.28	2.51	2.95	3.37	3.78	
6000	RPM	576	623	670	715	761	806	862	912	0.133
	BHP	2.00	2.25	2.49	2.73	2.96	3.18	3.65	4.11	
6500	RPM	608	651	694	737	780	821	863	913	0.144
	BHP	2.44	2.71	2.98	3.24	3.50	3.75	3.98	4.43	
7000	RPM	636	676	717	758	800	836	875	914	0.155
	BHP	2.91	3.20	3.50	3.37	3.62	4.35	4.62	4.87	
7500	RPM	710	748	785	822	858	895	930	966	0.166
	BHP	3.61	3.88	4.16	4.45	4.76	5.08	5.41	5.76	
7850	RPM	726	763	799	834	869	904	938	973	0.174
	BHP	4.00	4.29	4.58	4.88	5.19	5.51	5.85	6.20	
8200	RPM	744	779	814	848	882	916	949	982	0.182
	BHP	4.45	4.74	5.04	5.35	5.66	5.99	6.33	6.68	

ΔP = OPTIONAL FRESH AIR HOOD WITH FILTER PRESSURE DROP VALUE (INCHES WC)

RERV-6098 (6000 TO 9800 CFM CAPACITY)

CFM		EXTERNAL STATIC PRESSURE (INCHES WC)								ΔP
		0.1	0.3	0.5	0.7	0.9	1.1	1.3	1.5	
6000	RPM	656	702	748	793	846	898	898	990	0.130
	BHP	2.42	2.66	2.90	3.12	3.52	3.98	3.98	4.88	
6500	RPM	688	730	773	815	856	905	954	1000	0.145
	BHP	2.94	3.20	3.46	3.71	3.95	4.35	4.86	5.36	
7000	RPM	718	757	797	837	876	914	956	1003	0.155
	BHP	3.50	3.79	4.07	4.35	4.62	4.88	5.22	5.78	
7500	RPM	747	784	822	859	895	932	968	1004	0.170
	BHP	4.12	4.44	4.74	5.05	5.34	5.63	5.91	6.18	
8000	RPM	777	812	847	882	917	951	985	1019	0.188
	BHP	4.82	5.15	5.48	5.81	6.13	6.45	6.76	7.06	
8500	RPM	808	841	874	907	940	973	1005	1037	0.205
	BHP	5.59	5.95	6.30	6.65	7.00	7.35	7.68	8.01	
9000	RPM	841	872	904	935	966	997	1028	1059	0.220
	BHP	6.46	6.84	7.22	7.59	7.96	8.33	8.70	9.05	
9400	RPM	861	892	922	952	982	1010	1041	1070	0.229
	BHP	6.78	7.17	7.46	7.81	8.17	8.53	8.90	9.29	
9800	RPM	875	905	934	964	992	1021	1049	1077	0.239
	BHP	7.43	7.77	8.12	8.48	8.85	9.21	9.59	9.98	

ΔP = OPTIONAL FRESH AIR HOOD WITH FILTER PRESSURE DROP VALUE (INCHES WC)

RERV FAN DATA 5

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ROTARY ENERGY RECOVERY VENTILATOR FAN PERFORMANCE CHART

RERV-7011 (7000 TO 11000 CFM CAPACITY)

CFM		EXTERNAL STATIC PRESSURE (INCHES WC)								ΔP
		0.1	0.3	0.5	0.7	0.9	1.1	1.3	1.5	
7000	RPM	624	664	705	745	785	824	864	902	0.105
	BHP	2.82	3.12	3.41	3.70	3.99	4.27	4.54	4.80	
7500	RPM	648	686	724	762	800	837	874	910	0.115
	BHP	3.31	3.62	3.94	4.25	4.56	4.87	5.17	5.46	
8000	RPM	679	715	752	798	823	858	892	927	0.124
	BHP	3.91	4.24	4.58	5.02	5.25	5.58	5.91	6.23	
8500	RPM	710	744	778	812	845	878	911	944	0.130
	BHP	4.56	4.92	5.28	5.63	5.99	6.35	6.70	7.04	
9000	RPM	741	773	805	837	869	901	932	963	0.138
	BHP	5.29	5.67	6.05	6.42	6.80	7.18	7.55	7.93	
9500	RPM	771	802	832	862	893	923	953	982	0.144
	BHP	6.08	6.47	6.87	7.27	7.67	8.07	8.47	8.87	
10000	RPM	802	831	860	889	918	947	975	994	0.155
	BHP	6.92	7.37	7.79	8.21	8.63	9.05	9.47	9.75	
10500	RPM	831	860	887	914	942	969	997	1024	0.165
	BHP	7.87	8.34	8.75	9.19	9.63	10.07	10.52	10.96	
11000	RPM	860	887	914	940	966	992	1019	1045	0.175
	BHP	8.88	9.33	9.79	10.26	10.72	11.18	11.64	12.11	

ΔP = OPTIONAL FRESH AIR HOOD WITH FILTER PRESSURE DROP VALUE (INCHES WC)

RERV-15000 (12000 TO 15000 CFM CAPACITY)

CFM		EXTERNAL STATIC PRESSURE (INCHES WC)								ΔP
		0.1	0.3	0.5	0.7	0.9	1.1	1.3	1.5	
12000	RPM	644	673	700	728	754	781	806	832	0.100
	BHP	6.25	6.72	7.20	7.70	8.20	8.72	9.26	9.81	
12500	RPM	669	697	723	750	776	801	826	850	0.110
	BHP	7.03	7.52	8.02	8.53	9.06	9.60	10.15	10.71	
13000	RPM	695	721	747	773	798	822	846	870	0.119
	BHP	7.89	8.40	8.92	9.45	9.99	10.54	11.11	11.69	
13500	RPM	717	743	768	793	817	841	864	887	0.125
	BHP	8.75	9.28	9.81	10.36	10.91	11.49	12.07	12.66	
14000	RPM	741	765	760	814	837	860	883	905	0.133
	BHP	9.69	10.23	10.78	11.35	11.92	12.50	13.10	13.71	
14500	RPM	765	789	812	835	858	880	903	925	0.140
	BHP	10.71	11.27	11.84	12.42	13.01	13.61	14.22	14.84	
15000	RPM	788	811	834	857	879	901	922	943	0.151
	BHP	11.78	12.36	12.94	13.54	14.15	14.77	15.39	16.03	

ΔP = OPTIONAL FRESH AIR HOOD WITH FILTER PRESSURE DROP VALUE (INCHES WC)



ROTARY ENERGY RECOVERY VENTILATOR FAN PERFORMANCE CHART

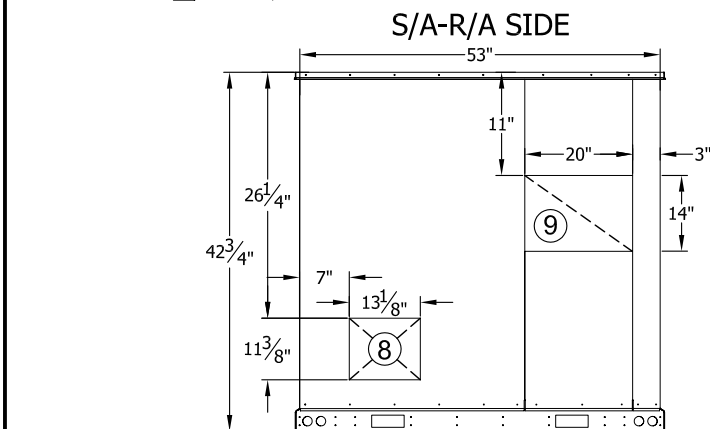
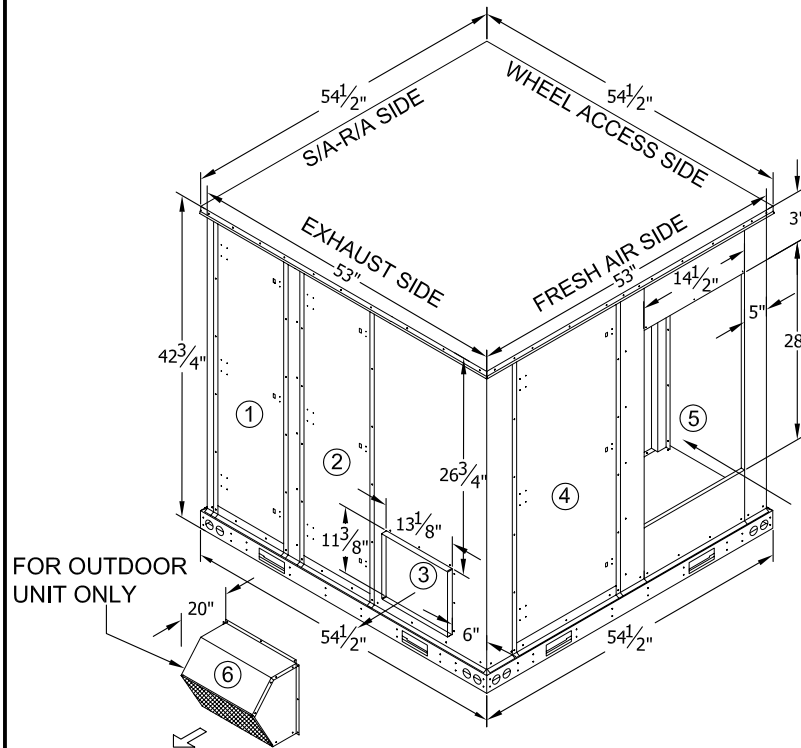
RERV-20000 (16000 TO 20000 CFM CAPACITY)

CFM		EXTERNAL STATIC PRESSURE (INCHES WC)								ΔP
		0.1	0.3	0.5	0.7	0.9	1.1	1.3	1.5	
16000	RPM	575	601	626	651	675	698	721	743	0.115
	BHP	8.40	9.07	9.75	10.44	11.13	11.85	12.57	13.31	
16500	RPM	591	616	641	665	688	711	733	755	0.125
	BHP	9.16	9.86	10.55	11.26	11.98	12.71	13.45	14.20	
17000	RPM	610	634	658	681	704	726	748	770	0.136
	BHP	10.03	10.75	11.47	12.19	12.92	13.67	14.44	15.21	
17500	RPM	626	650	673	696	718	740	761	782	0.143
	BHP	10.19	11.64	12.38	13.12	13.88	14.65	15.42	16.21	
18000	RPM	641	665	688	710	731	753	774	794	0.155
	BHP	11.78	12.54	13.29	14.05	14.83	15.62	16.41	17.22	
18500	RPM	657	680	703	724	745	766	787	807	0.164
	BHP	12.73	13.50	14.28	15.07	15.86	16.66	17.47	18.30	
19000	RPM	674	697	718	739	760	781	801	820	0.175
	BHP	13.76	14.56	15.35	16.15	16.96	17.79	18.62	19.46	
19500	RPM	690	711	733	754	774	794	813	833	0.187
	BHP	14.78	15.60	16.42	17.24	18.07	18.91	19.76	20.63	
20000	RPM	704	725	746	766	786	806	825	844	0.195
	BHP	15.82	16.65	17.49	18.33	19.18	20.04	20.90	21.79	

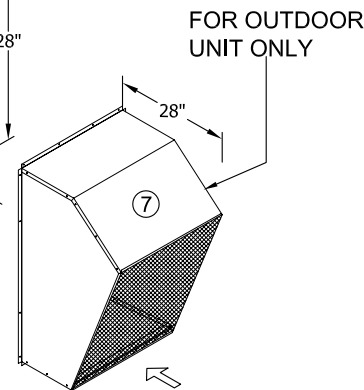
ΔP = OPTIONAL FRESH AIR HOOD WITH FILTER PRESSURE DROP VALUE (INCHES WC)



RERV256 ROTARY ENERGY RECOVERY VENTILATOR 250 TO 600 CFM CAPACITY

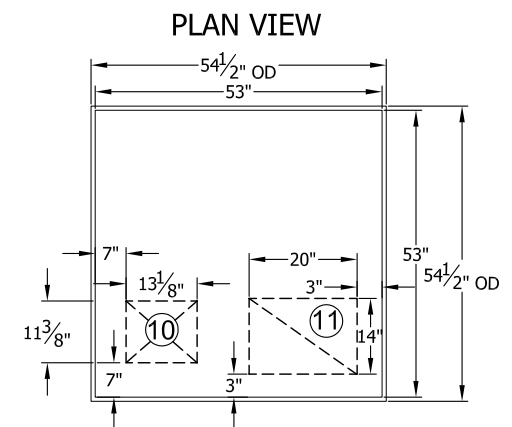
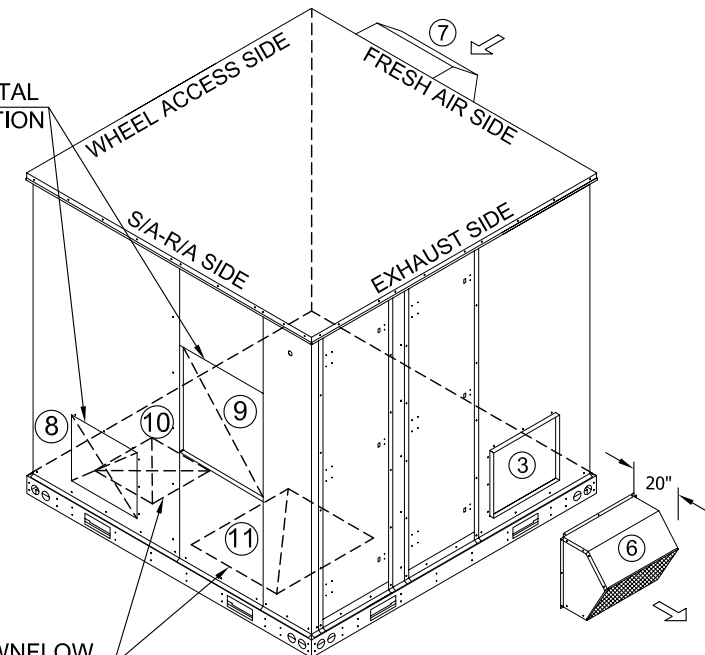


HORIZONTAL APPLICATION



HORIZONTAL APPLICATION

DOWNFLOW APPLICATION



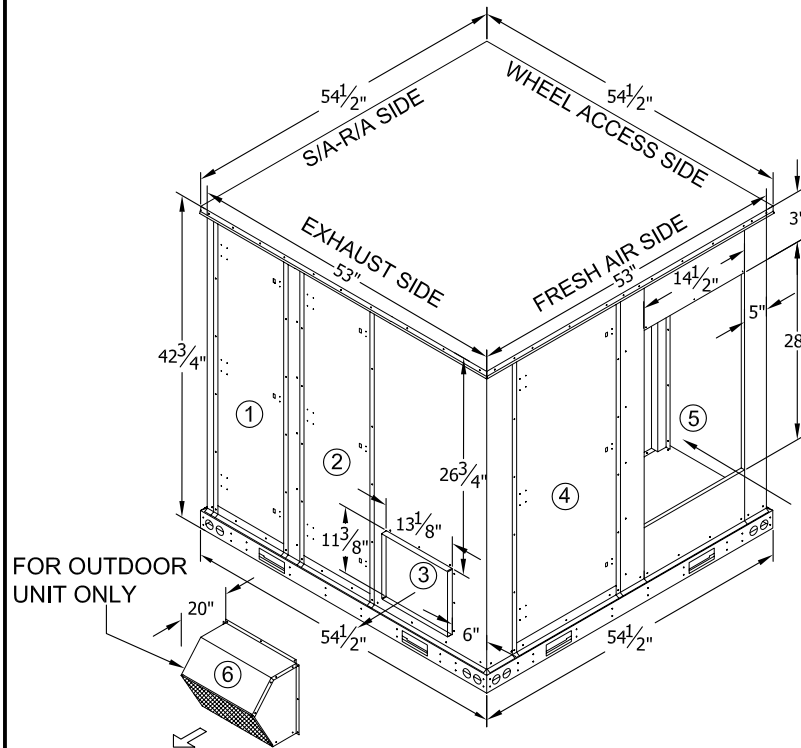
DOWNFLOW APPLICATION

- ① - ELECTRICAL PANEL ACCESS
- ② - RA FILTER TRACK ACCESS
- ③ - EXHAUST AIR OUT
- ④ - EXHAUST BLOWER ACCESS
- ⑤ - FRESH AIR IN
- ⑥ - EXHAUST AIR HOOD (OUTDOOR UNIT ONLY)
- ⑦ - FRESH AIR HOOD (OUTDOOR UNIT ONLY)
- ⑧ - SUPPLY AIR OPENING- HORIZONTAL
- ⑨ - RETURN AIR OPENING-HORIZONTAL
- ⑩ - SUPPLY AIR OPENING- DOWNFLOW
- ⑪ - RETURN AIR OPENING- DOWNFLOW

SHIPPING WEIGHT(LESS MOTORS) - 890 LBS.



RERV511 ROTARY ENERGY RECOVERY VENTILATOR 500 TO 1100 CFM CAPACITY

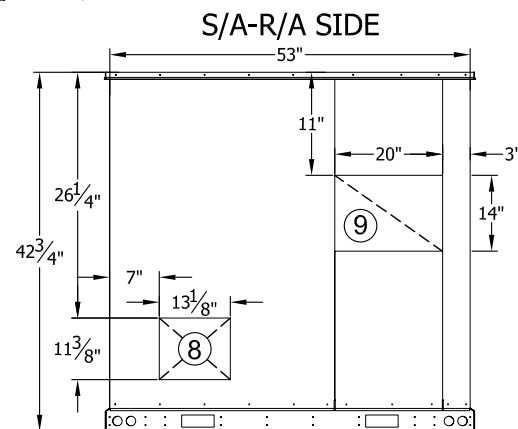
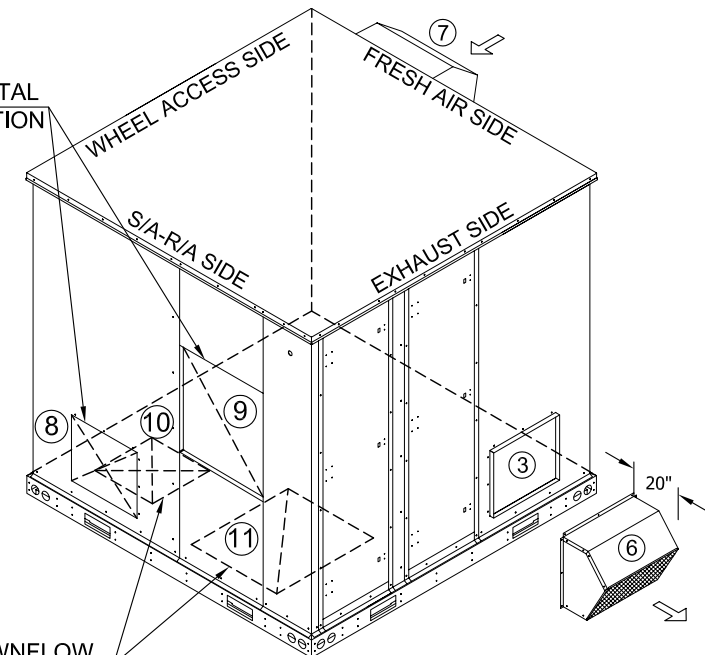


FOR OUTDOOR
UNIT ONLY

FOR OUTDOOR
UNIT ONLY

HORIZONTAL
APPLICATION

DOWNFLOW
APPLICATION

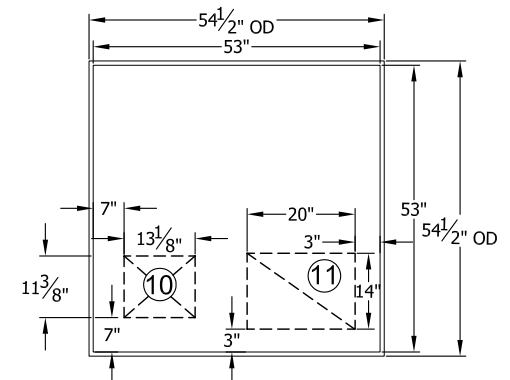


HORIZONTAL APPLICATION

- ① - ELECTRICAL PANEL ACCESS
- ② - RA FILTER TRACK ACCESS
- ③ - EXHAUST AIR OUT
- ④ - EXHAUST BLOWER ACCESS
- ⑤ - FRESH AIR IN
- ⑥ - EXHAUST AIR HOOD (OUTDOOR UNIT ONLY)
- ⑦ - FRESH AIR HOOD (OUTDOOR UNIT ONLY)
- ⑧ - SUPPLY AIR OPENING- HORIZONTAL
- ⑨ - RETURN AIR OPENING-HORIZONTAL
- ⑩ - SUPPLY AIR OPENING- DOWNFLOW
- ⑪ - RETURN AIR OPENING- DOWNFLOW

SHIPPING WEIGHT(LESS MOTORS) - 890 LBS.

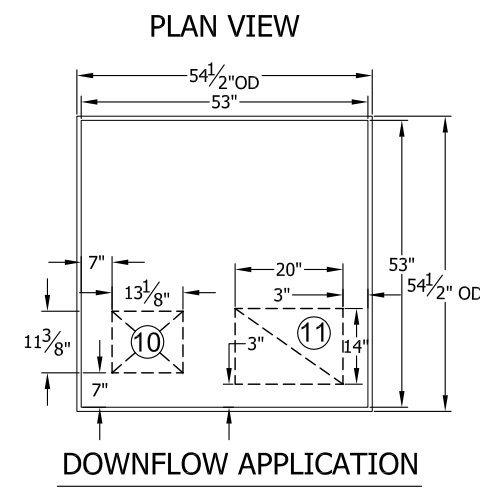
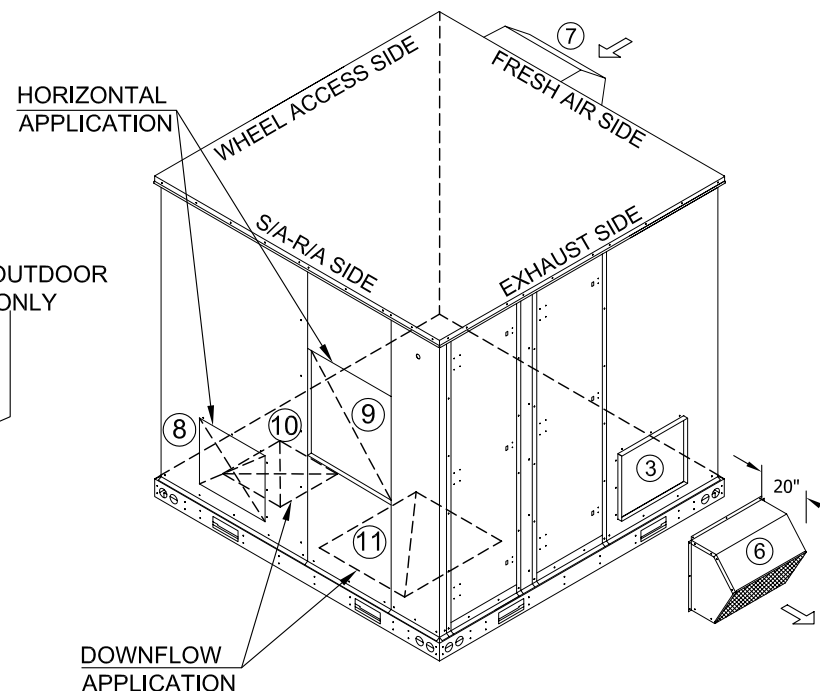
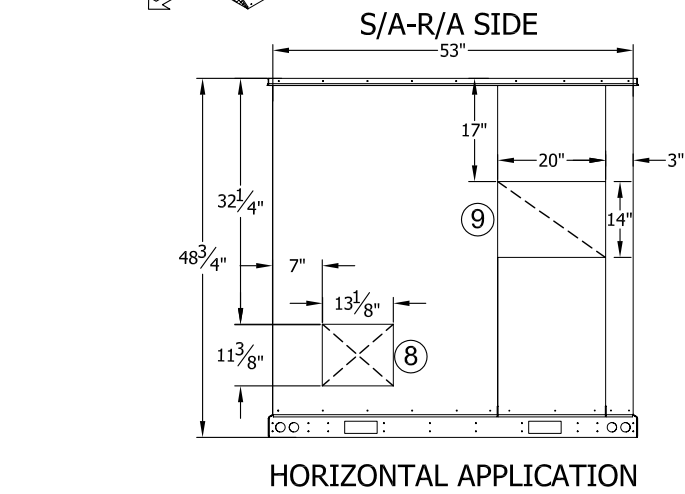
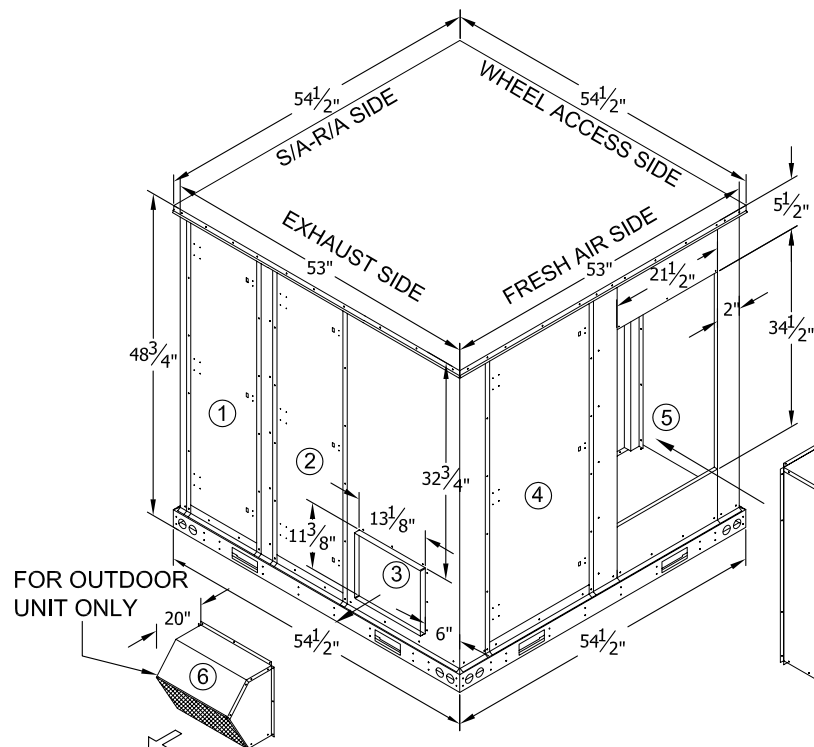
PLAN VIEW



DOWNFLOW APPLICATION



RERV1019
ROTARY ENERGY RECOVERY
VENTILATOR
1000 TO 1900 CFM CAPACITY

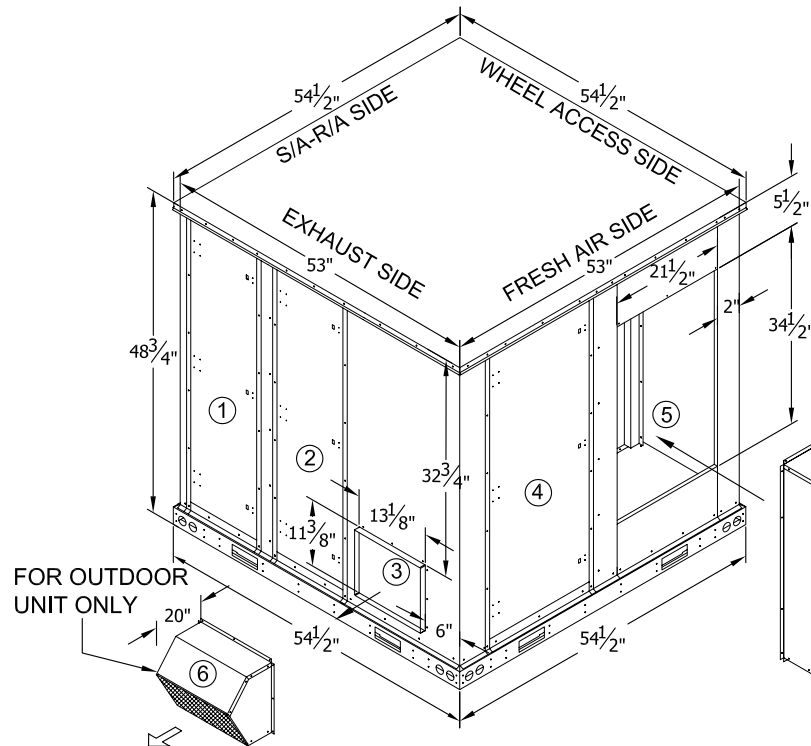


- ① - ELECTRICAL PANEL ACCESS
- ② - RA FILTER TRACK ACCESS
- ③ - EXHAUST AIR OUT
- ④ - SUPPLY BLOWER ACCESS
- ⑤ - FRESH AIR IN
- ⑥ - EXHAUST AIR HOOD (OUTDOOR UNIT ONLY)
- ⑦ - FRESH AIR HOOD (OUTDOOR UNIT ONLY)
- ⑧ - SUPPLY AIR OPENING- HORIZONTAL
- ⑨ - RETURN AIR OPENING-HORIZONTAL
- ⑩ - SUPPLY AIR OPENING- DOWNFLOW
- ⑪ - RETURN AIR OPENING- DOWNFLOW

SHIPPING WEIGHT(LESS MOTORS) - 1000 LBS.



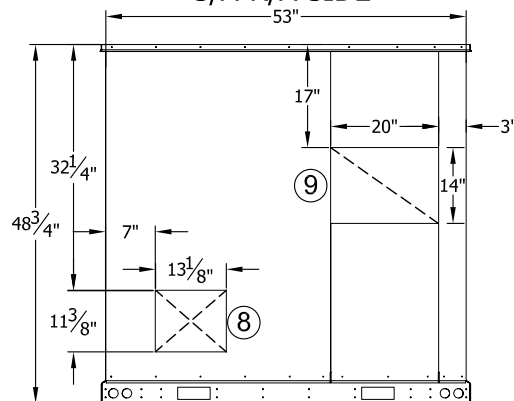
RERV1324 ROTARY ENERGY RECOVERY VENTILATOR 1300 TO 2400 CFM CAPACITY



FOR OUTDOOR
UNIT ONLY

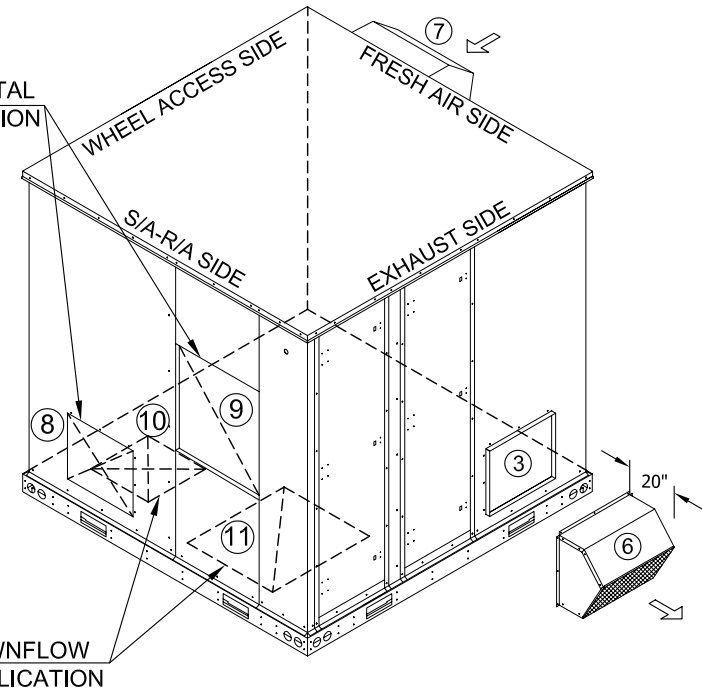
FOR OUTDOOR
UNIT ONLY

S/A-R/A SIDE



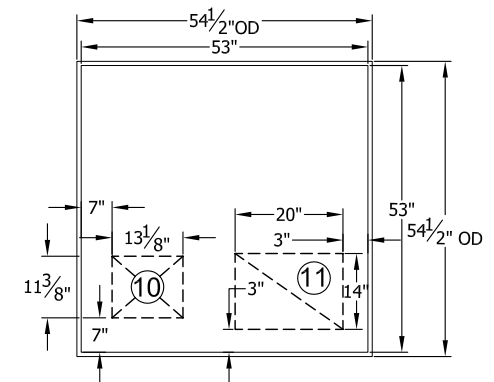
HORIZONTAL APPLICATION

HORIZONTAL
APPLICATION



DOWNFLOW
APPLICATION

PLAN VIEW



DOWNFLOW APPLICATION

- ① - ELECTRICAL PANEL ACCESS
- ② - RA FILTER TRACK ACCESS
- ③ - EXHAUST AIR OUT
- ④ - SUPPLY BLOWER ACCESS
- ⑤ - FRESH AIR IN
- ⑥ - EXHAUST AIR HOOD (OUTDOOR UNIT ONLY)
- ⑦ - FRESH AIR HOOD (OUTDOOR UNIT ONLY)
- ⑧ - SUPPLY AIR OPENING- HORIZONTAL
- ⑨ - RETURN AIR OPENING-HORIZONTAL
- ⑩ - SUPPLY AIR OPENING- DOWNFLOW
- ⑪ - RETURN AIR OPENING- DOWNFLOW

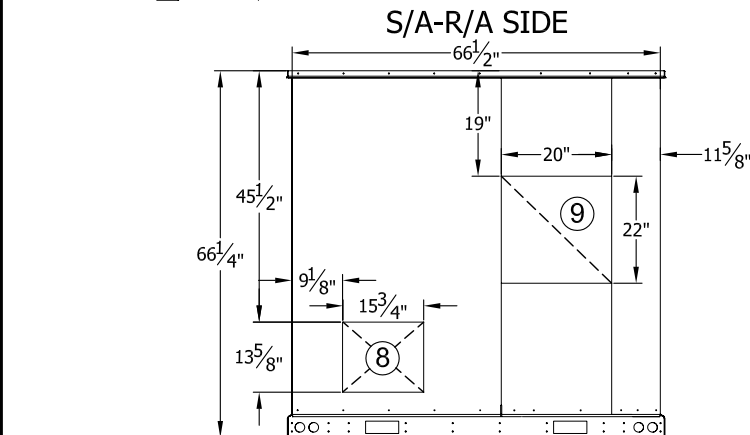
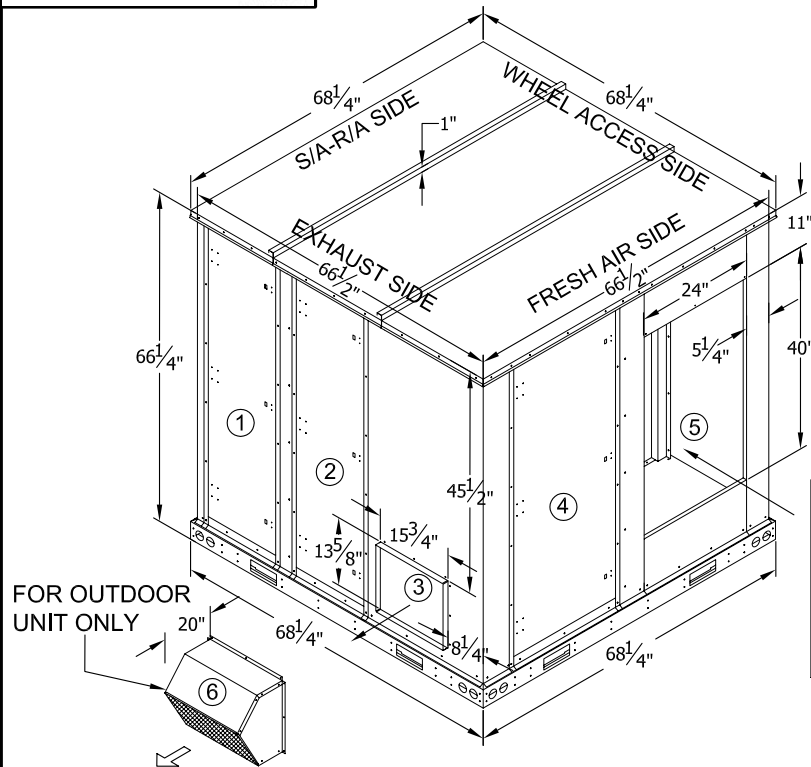
SHIPPING WEIGHT(LESS MOTORS) - 1030 LBS.

RERV1324
APR.,01,2015

SPINNAKER RESERVES THE RIGHT TO CHANGE ANY OF THE INFORMATION HEREIN WITHOUT NOTICE.

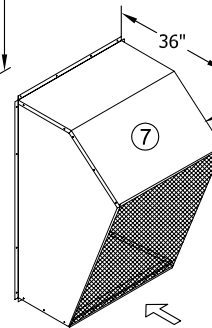


RERV1533 ROTARY ENERGY RECOVERY VENTILATOR 1500 TO 3300 CFM CAPACITY

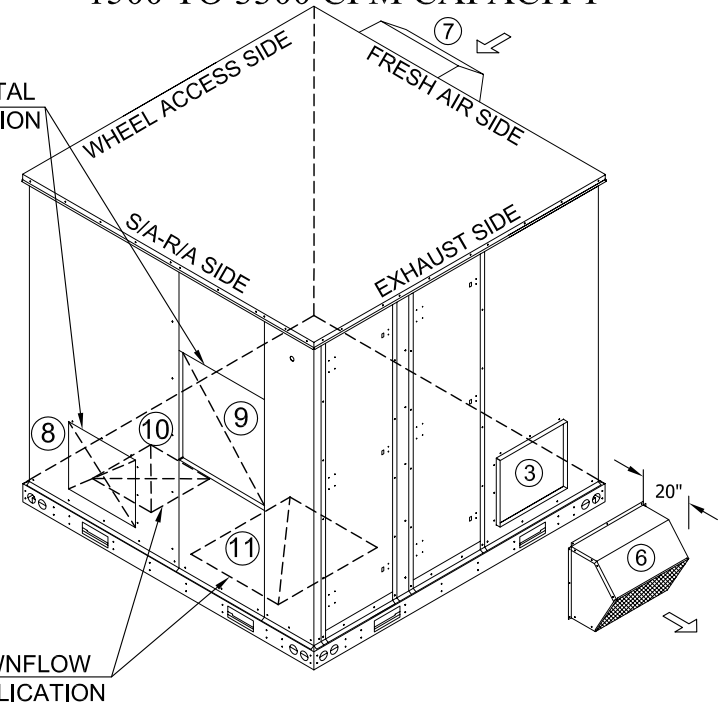


HORIZONTAL APPLICATION

FOR OUTDOOR
UNIT ONLY

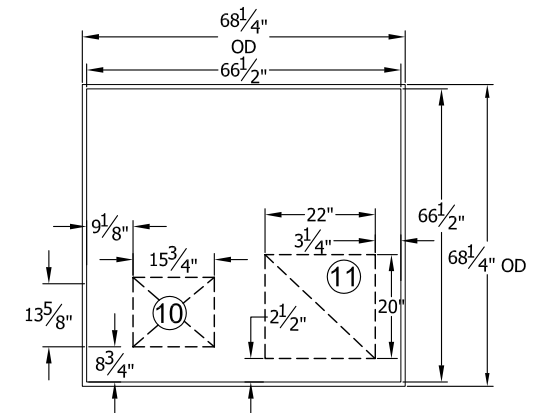


HORIZONTAL
APPLICATION



DOWNFLOW
APPLICATION

PLAN VIEW



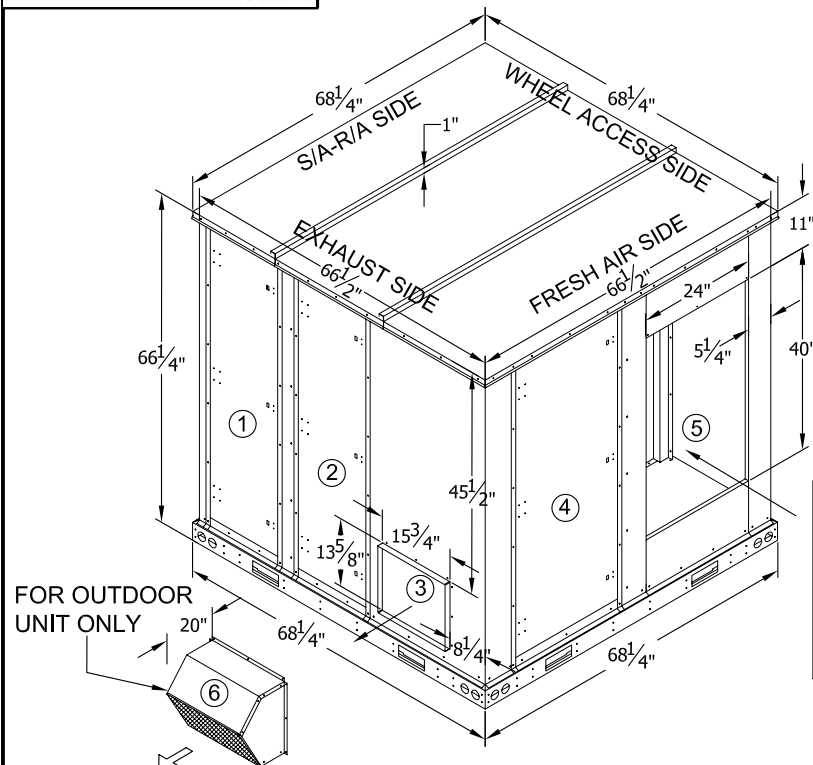
DOWNFLOW APPLICATION

- ① - ELECTRICAL PANEL ACCESS
- ② - RA FILTER TRACK ACCESS
- ③ - EXHAUST AIR OUT
- ④ - EXHAUST BLOWER ACCESS
- ⑤ - FRESH AIR IN
- ⑥ - EXHAUST AIR HOOD (OUTDOOR UNIT ONLY)
- ⑦ - FRESH AIR HOOD (OUTDOOR UNIT ONLY)
- ⑧ - SUPPLY AIR OPENING- HORIZONTAL
- ⑨ - RETURN AIR OPENING-HORIZONTAL
- ⑩ - SUPPLY AIR OPENING- DOWNFLOW
- ⑪ - RETURN AIR OPENING- DOWNFLOW

SHIPPING WEIGHT(LESS MOTORS) - 1450 LBS.



RERV3045 ROTARY ENERGY RECOVERY VENTILATOR 3000 TO 4500 CFM CAPACITY

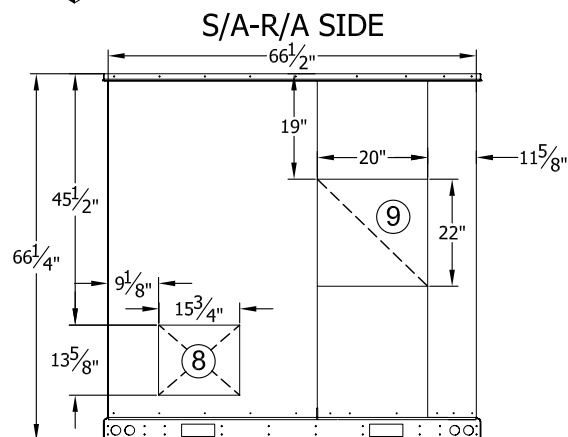
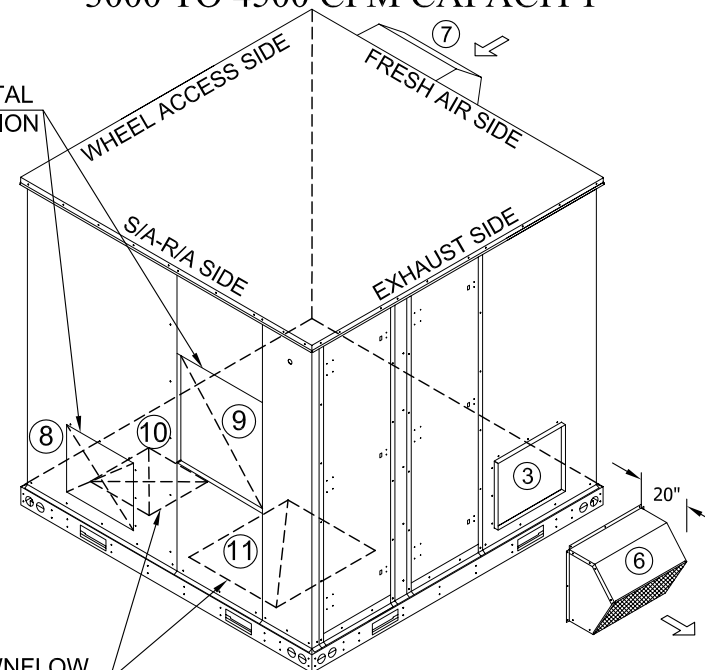


FOR OUTDOOR
UNIT ONLY

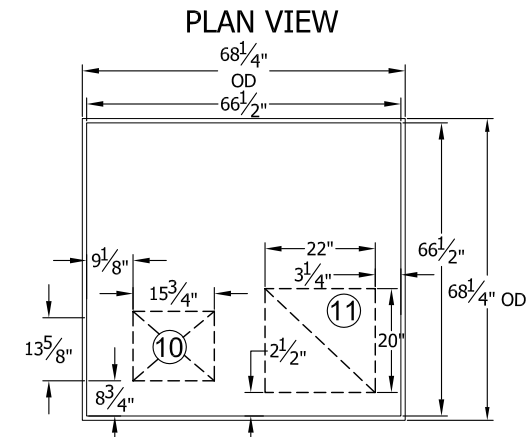
FOR OUTDOOR
UNIT ONLY

HORIZONTAL
APPLICATION

DOWNFLOW
APPLICATION



HORIZONTAL APPLICATION



DOWNFLOW APPLICATION

- ① - ELECTRICAL PANEL ACCESS
- ② - RA FILTER TRACK ACCESS
- ③ - EXHAUST AIR OUT
- ④ - EXHAUST BLOWER ACCESS
- ⑤ - FRESH AIR IN
- ⑥ - EXHAUST AIR HOOD (OUTDOOR UNIT ONLY)
- ⑦ - FRESH AIR HOOD (OUTDOOR UNIT ONLY)
- ⑧ - SUPPLY AIR OPENING- HORIZONTAL
- ⑨ - RETURN AIR OPENING-HORIZONTAL
- ⑩ - SUPPLY AIR OPENING- DOWNFLOW
- ⑪ - RETURN AIR OPENING- DOWNFLOW

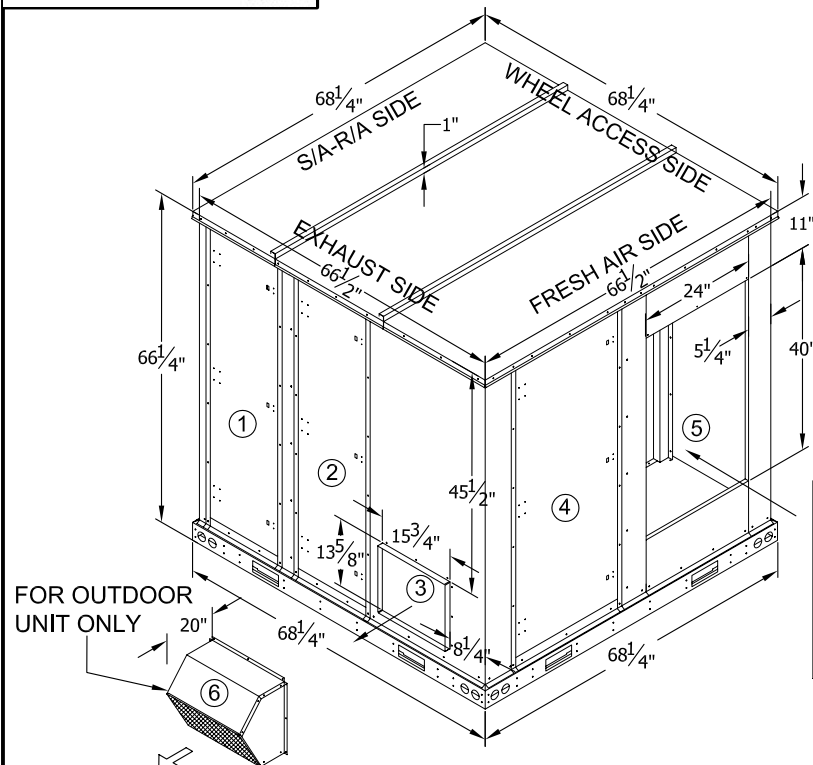
SHIPPING WEIGHT(LESS MOTORS) - 1570 LBS.

RERV3045
APR.,02,2015

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RERV3550 ROTARY ENERGY RECOVERY VENTILATOR 3500 TO 5000 CFM CAPACITY

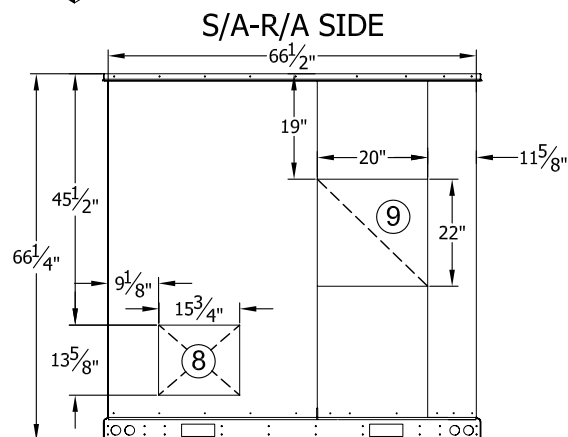
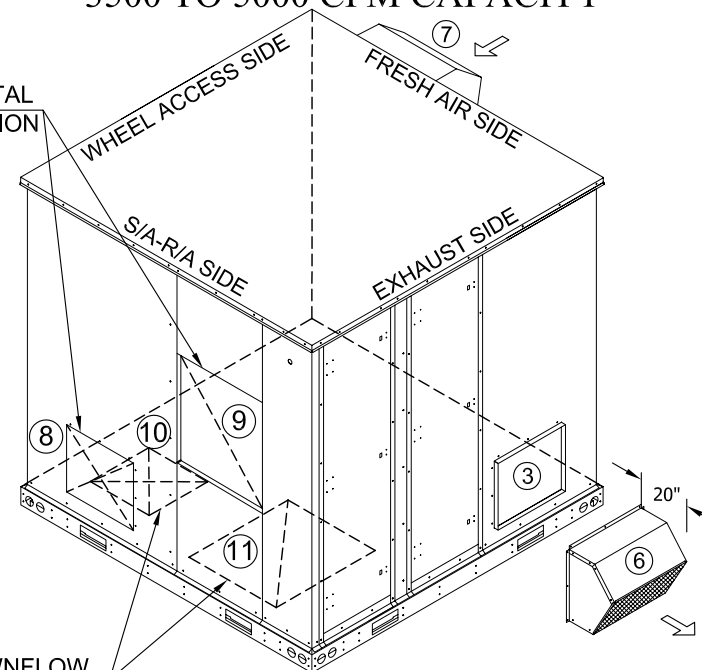


FOR OUTDOOR
UNIT ONLY

FOR OUTDOOR
UNIT ONLY

HORIZONTAL
APPLICATION

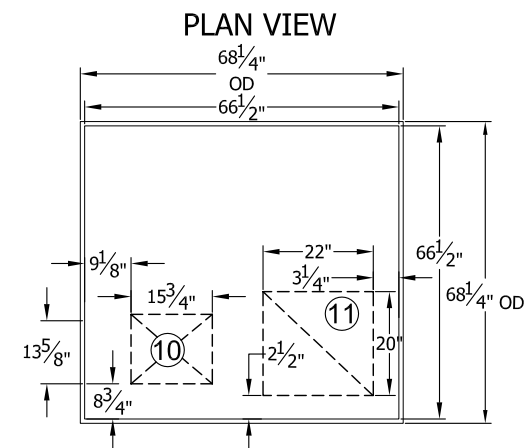
DOWNFLOW
APPLICATION



HORIZONTAL APPLICATION

- ① - ELECTRICAL PANEL ACCESS
- ② - RA FILTER TRACK ACCESS
- ③ - EXHAUST AIR OUT
- ④ - EXHAUST BLOWER ACCESS
- ⑤ - FRESH AIR IN
- ⑥ - EXHAUST AIR HOOD (OUTDOOR UNIT ONLY)
- ⑦ - FRESH AIR HOOD (OUTDOOR UNIT ONLY)
- ⑧ - SUPPLY AIR OPENING- HORIZONTAL
- ⑨ - RETURN AIR OPENING-HORIZONTAL
- ⑩ - SUPPLY AIR OPENING- DOWNFLOW
- ⑪ - RETURN AIR OPENING- DOWNFLOW

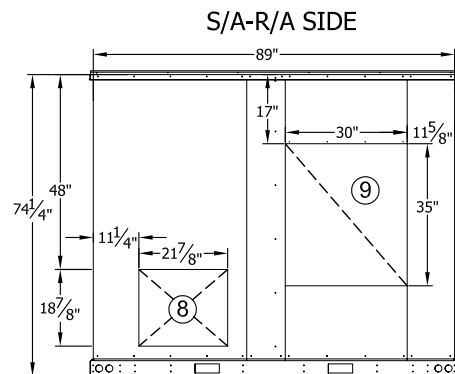
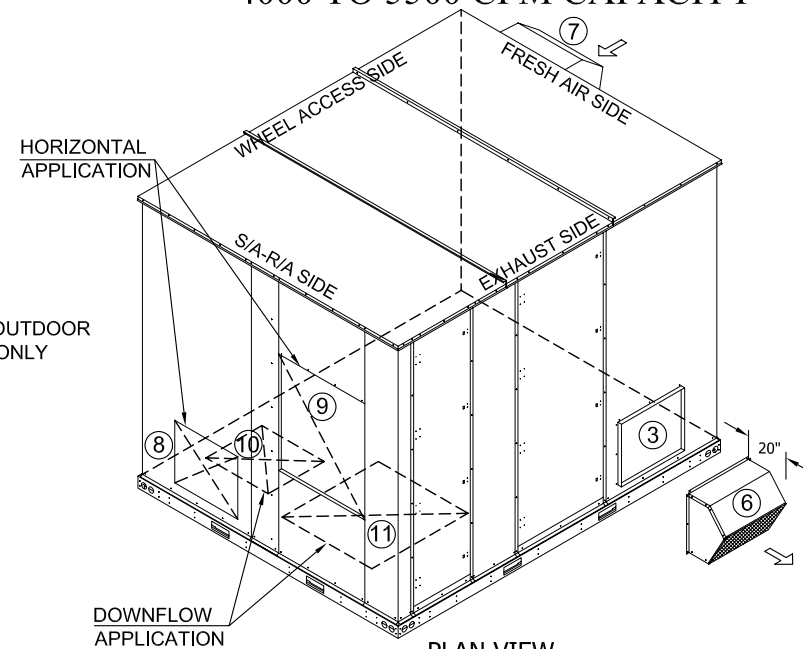
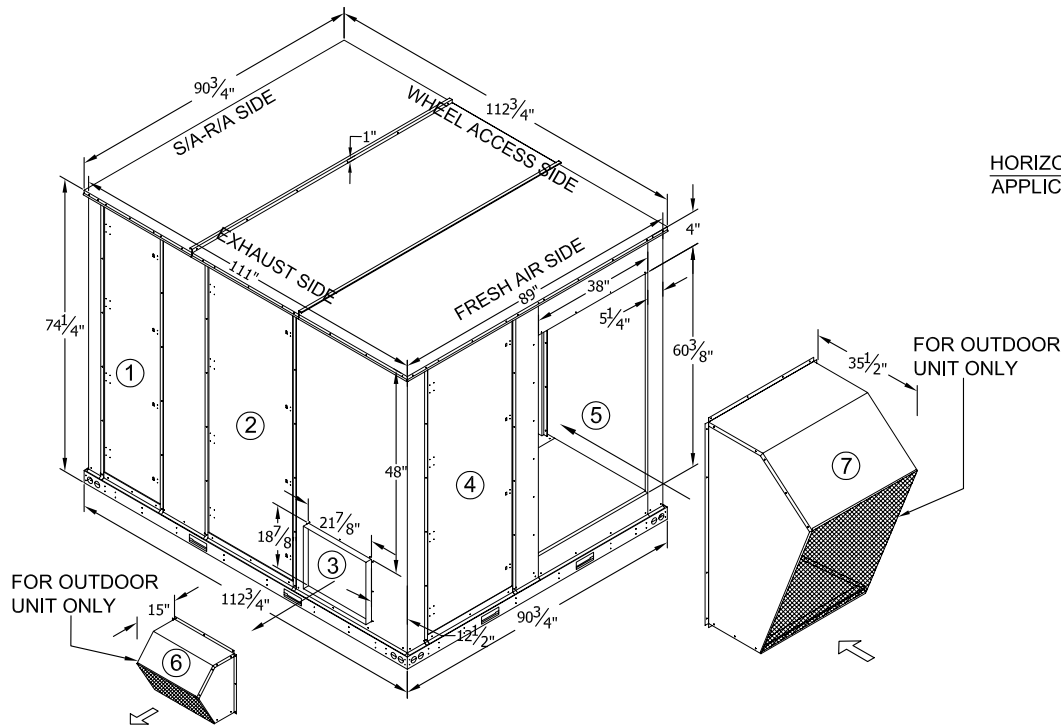
SHIPPING WEIGHT(LESS MOTORS) - 1810 LBS.



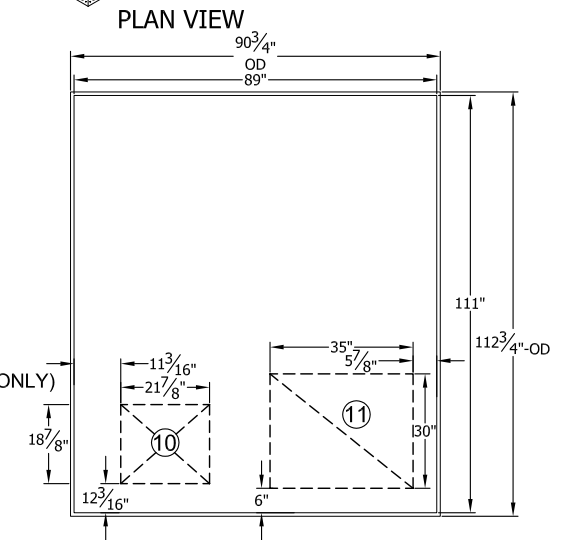
DOWNFLOW APPLICATION



RERV4055 ROTARY ENERGY RECOVERY VENTILATOR 4000 TO 5500 CFM CAPACITY



- ① - ELECTRICAL PANEL ACCESS
- ② - RA FILTER TRACK ACCESS
- ③ - EXHAUST AIR OUT
- ④ - EXHAUST BLOWER ACCESS
- ⑤ - FRESH AIR IN
- ⑥ - EXHAUST AIR HOOD-FIELD INSTALLED (OUTDOOR UNIT ONLY)
- ⑦ - FRESH AIR HOOD (OUTDOOR UNIT ONLY)
- ⑧ - SUPPLY AIR OPENING- HORIZONTAL
- ⑨ - RETURN AIR OPENING-HORIZONTAL
- ⑩ - SUPPLY AIR OPENING- DOWNFLOW
- ⑪ - RETURN AIR OPENING- DOWNFLOW



HORIZONTAL APPLICATION

SHIPPING WEIGHT(LESS MOTORS) - 2620 LBS.

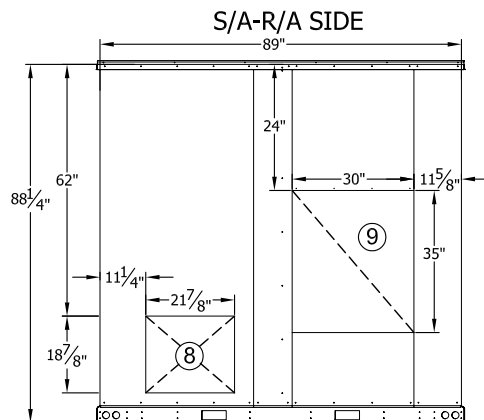
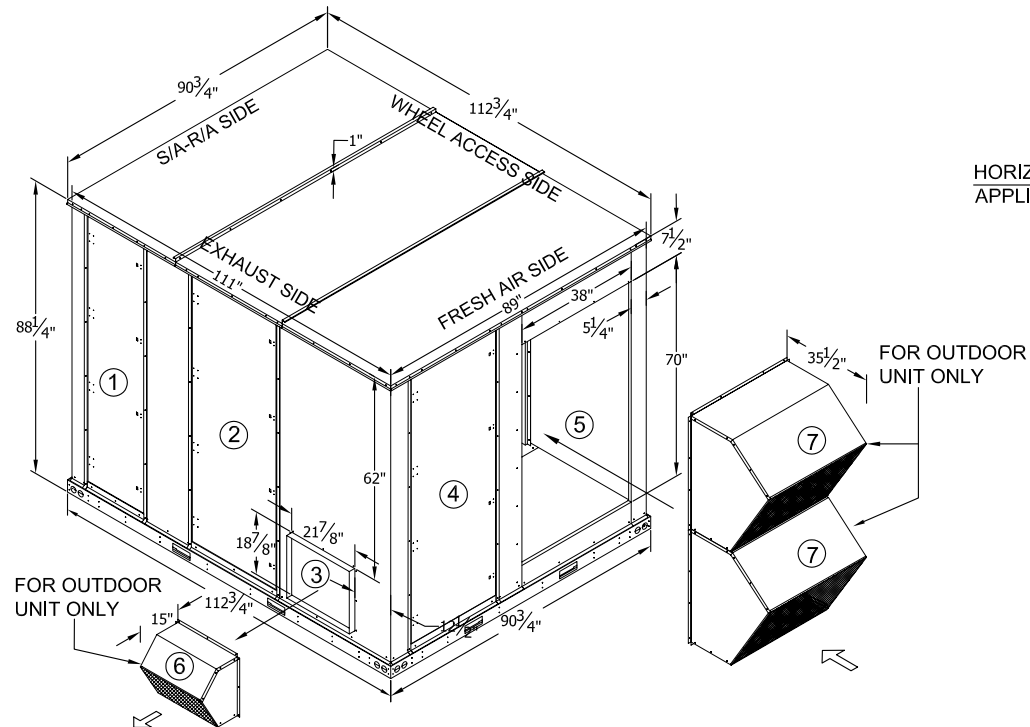
DOWNFLOW APPLICATION

RERV4055
APR.,07,2015

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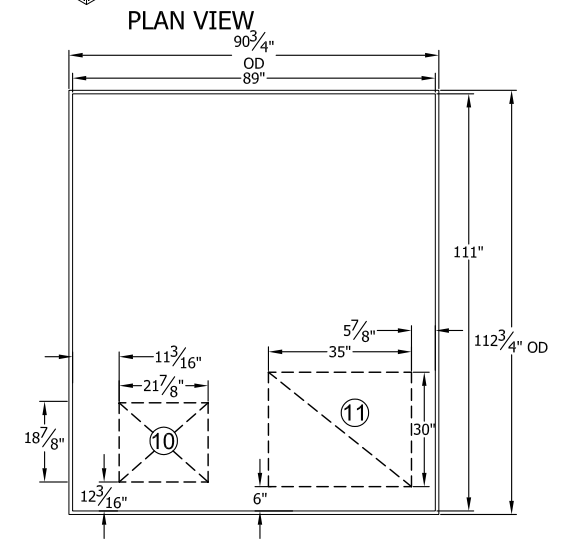
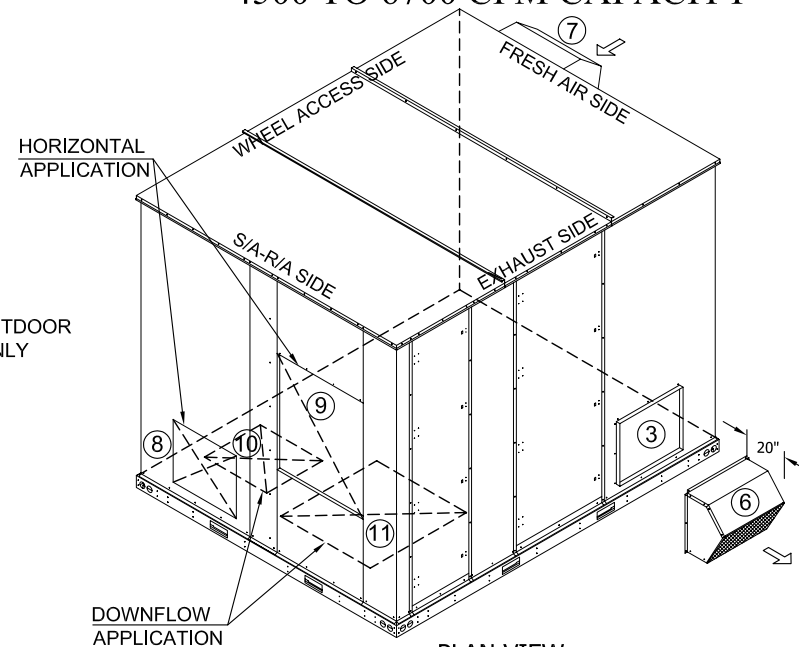
RERV4567 ROTARY ENERGY RECOVERY VENTILATOR 4500 TO 6700 CFM CAPACITY



HORIZONTAL APPLICATION

- ① - ELECTRICAL PANEL ACCESS
- ② - RA FILTER TRACK ACCESS
- ③ - EXHAUST AIR OUT
- ④ - EXHAUST BLOWER ACCESS
- ⑤ - FRESH AIR IN
- ⑥ - EXHAUST AIR HOOD-FIELD INSTALLED (OUTDOOR UNIT ONLY)
- ⑦ - FRESH AIR HOOD (x2) (OUTDOOR UNIT ONLY)
- ⑧ - SUPPLY AIR OPENING- HORIZONTAL
- ⑨ - RETURN AIR OPENING-HORIZONTAL
- ⑩ - SUPPLY AIR OPENING- DOWNFLOW
- ⑪ - RETURN AIR OPENING- DOWNFLOW

SHIPPING WEIGHT(LESS MOTORS) - 3028 LBS.

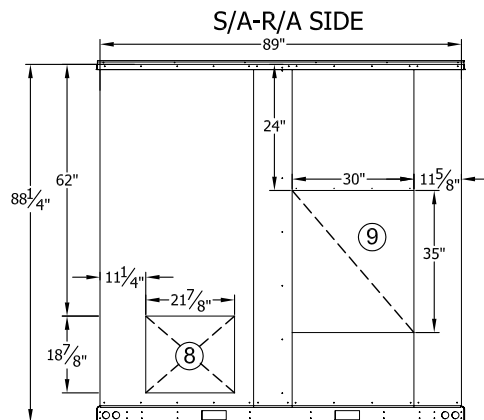
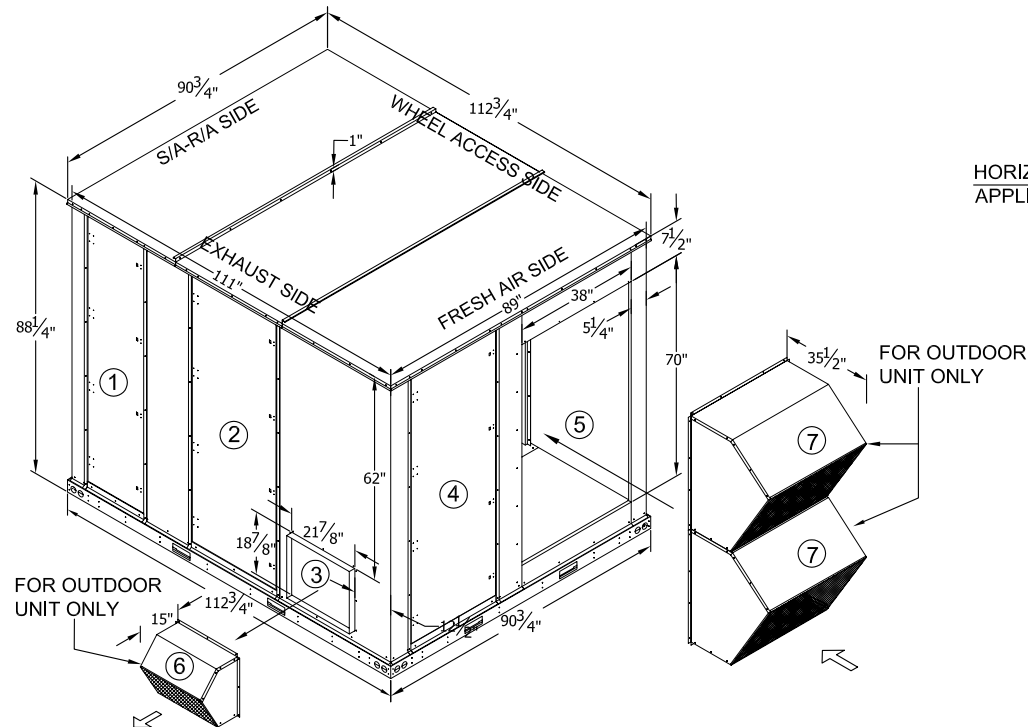


DOWNFLOW APPLICATION

RERV4567
APR.,07,2015



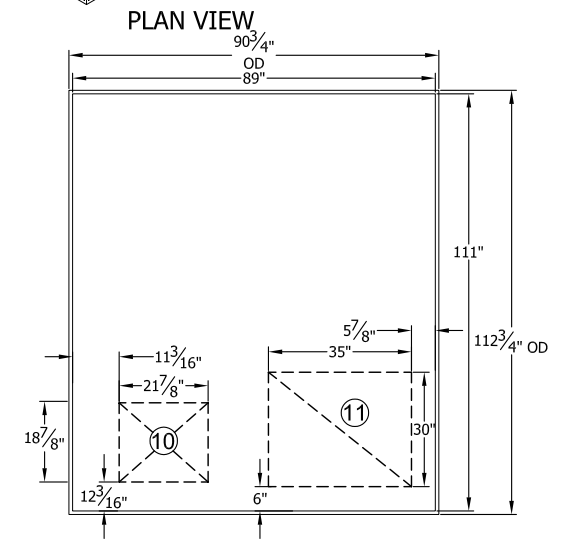
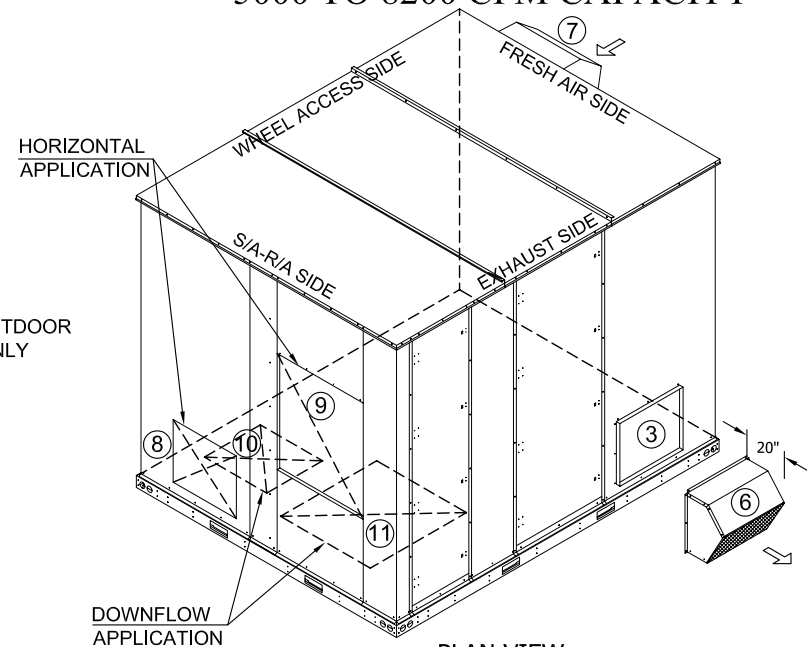
RERV5082 ROTARY ENERGY RECOVERY VENTILATOR 5000 TO 8200 CFM CAPACITY



HORIZONTAL APPLICATION

- ① - ELECTRICAL PANEL ACCESS
- ② - RA FILTER TRACK ACCESS
- ③ - EXHAUST AIR OUT
- ④ - EXHAUST BLOWER ACCESS
- ⑤ - FRESH AIR IN
- ⑥ - EXHAUST AIR HOOD-FIELD INSTALLED (OUTDOOR UNIT ONLY)
- ⑦ - FRESH AIR HOOD (x2) (OUTDOOR UNIT ONLY)
- ⑧ - SUPPLY AIR OPENING- HORIZONTAL
- ⑨ - RETURN AIR OPENING-HORIZONTAL
- ⑩ - SUPPLY AIR OPENING- DOWNFLOW
- ⑪ - RETURN AIR OPENING- DOWNFLOW

SHIPPING WEIGHT(LESS MOTORS) - 3141 LBS.

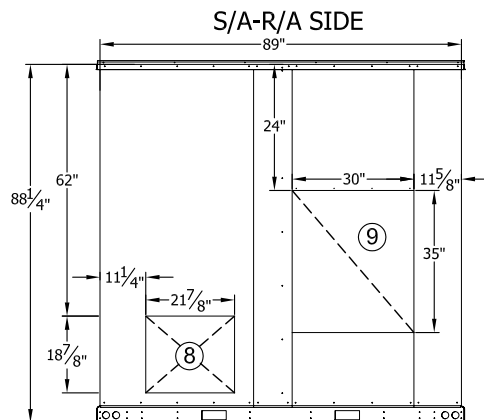
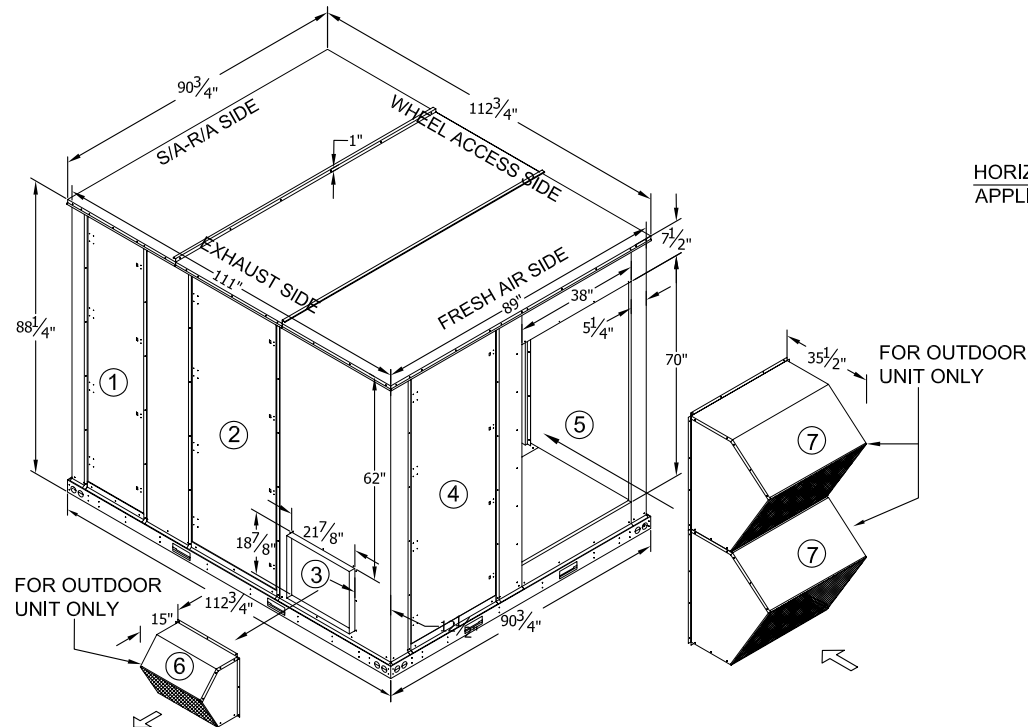


DOWNFLOW APPLICATION

RERV5082
APR.,07,2015



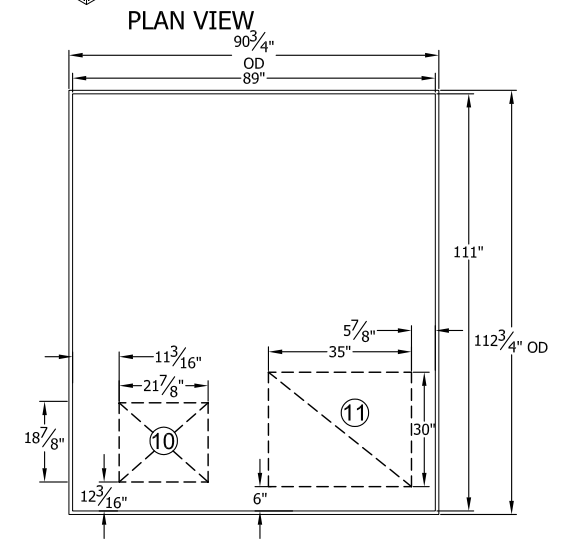
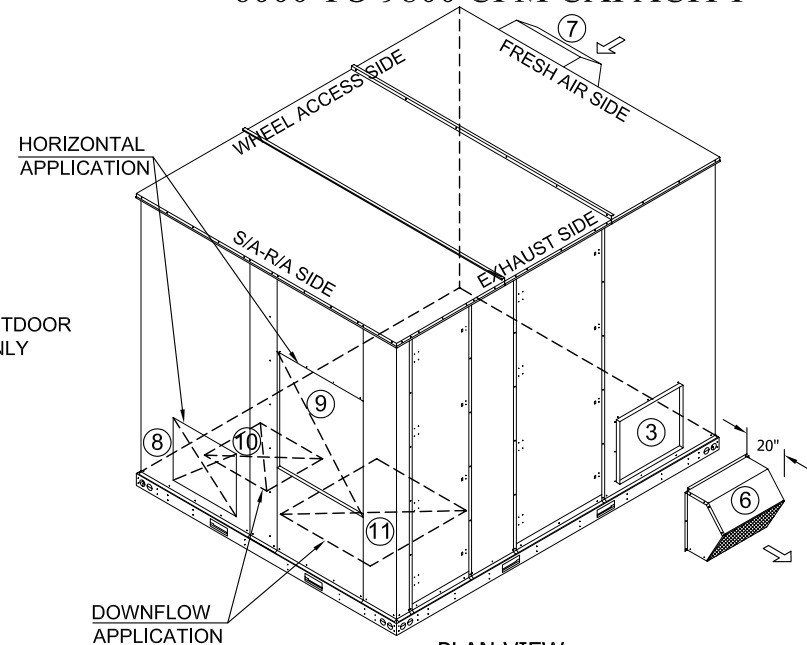
RERV6098 ROTARY ENERGY RECOVERY VENTILATOR 6000 TO 9800 CFM CAPACITY



HORIZONTAL APPLICATION

- ① - ELECTRICAL PANEL ACCESS
- ② - RA FILTER TRACK ACCESS
- ③ - EXHAUST AIR OUT
- ④ - EXHAUST BLOWER ACCESS
- ⑤ - FRESH AIR IN
- ⑥ - EXHAUST AIR HOOD-FIELD INSTALLED (OUTDOOR UNIT ONLY)
- ⑦ - FRESH AIR HOOD (x2) (OUTDOOR UNIT ONLY)
- ⑧ - SUPPLY AIR OPENING- HORIZONTAL
- ⑨ - RETURN AIR OPENING-HORIZONTAL
- ⑩ - SUPPLY AIR OPENING- DOWNFLOW
- ⑪ - RETURN AIR OPENING- DOWNFLOW

SHIPPING WEIGHT(LESS MOTORS) - 3256 LBS.

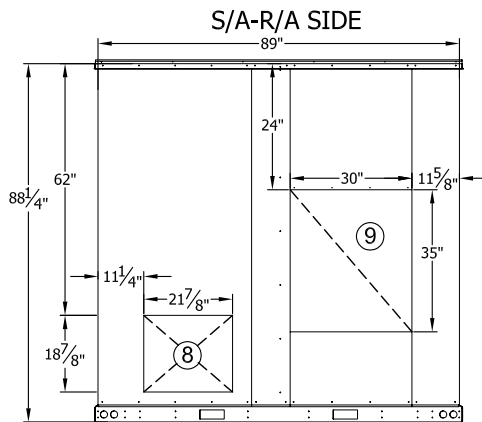
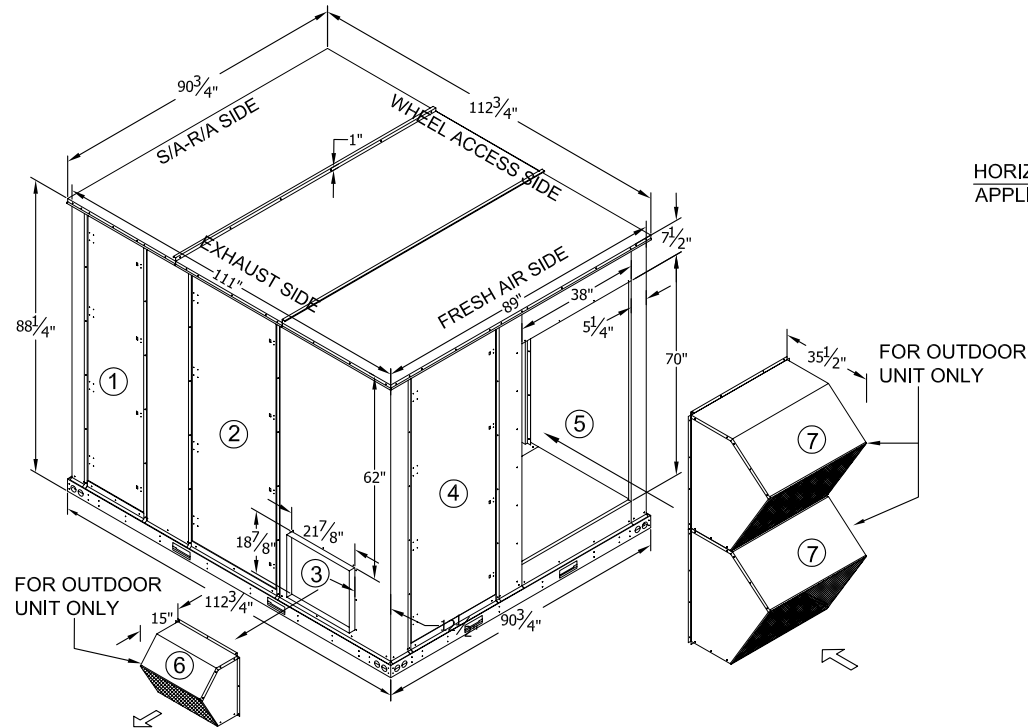


DOWNFLOW APPLICATION

RERV6098
APR.,07,2015



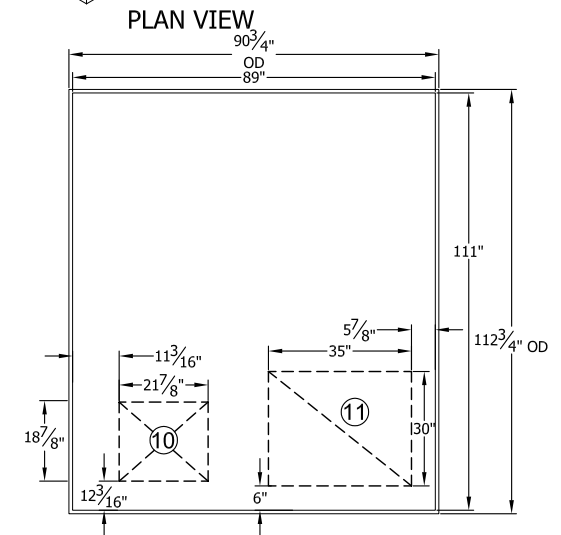
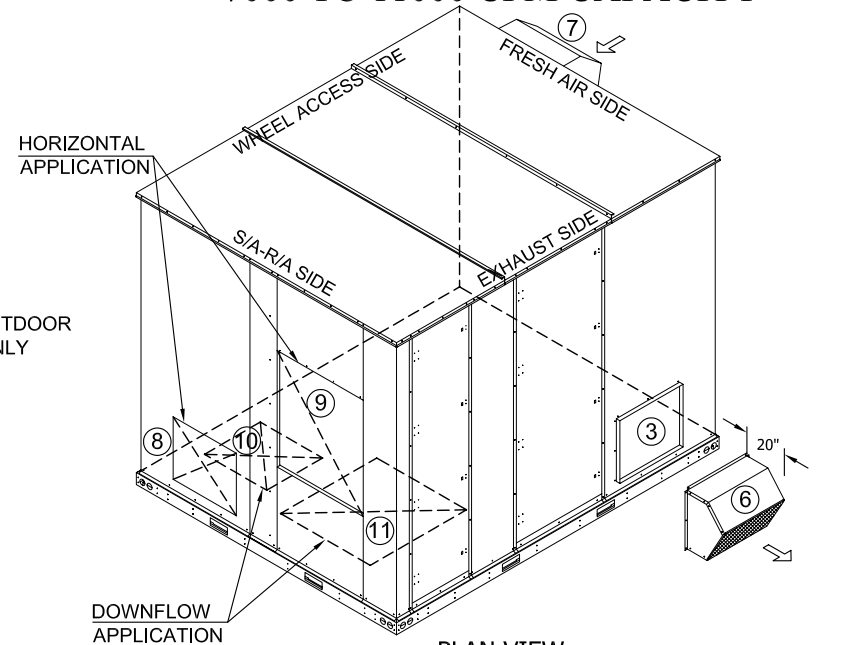
RERV7011 ROTARY ENERGY RECOVERY VENTILATOR 7000 TO 11000 CFM CAPACITY



HORIZONTAL APPLICATION

- ① - ELECTRICAL PANEL ACCESS
- ② - RA FILTER TRACK ACCESS
- ③ - EXHAUST AIR OUT
- ④ - EXHAUST BLOWER ACCESS
- ⑤ - FRESH AIR IN
- ⑥ - EXHAUST AIR HOOD-FIELD INSTALLED (OUTDOOR UNIT ONLY)
- ⑦ - FRESH AIR HOOD (x2) (OUTDOOR UNIT ONLY)
- ⑧ - SUPPLY AIR OPENING- HORIZONTAL
- ⑨ - RETURN AIR OPENING-HORIZONTAL
- ⑩ - SUPPLY AIR OPENING- DOWNFLOW
- ⑪ - RETURN AIR OPENING- DOWNFLOW

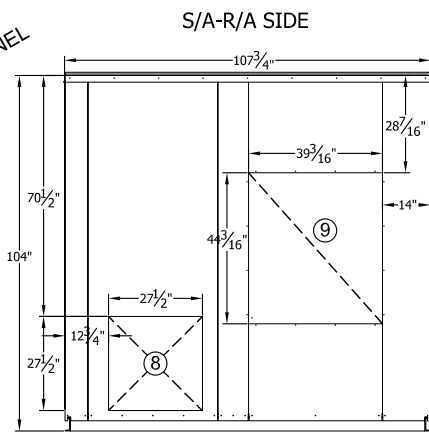
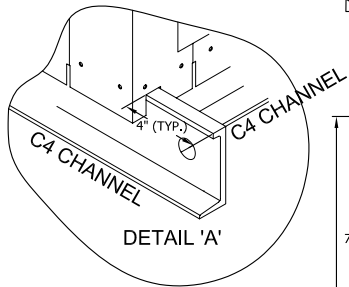
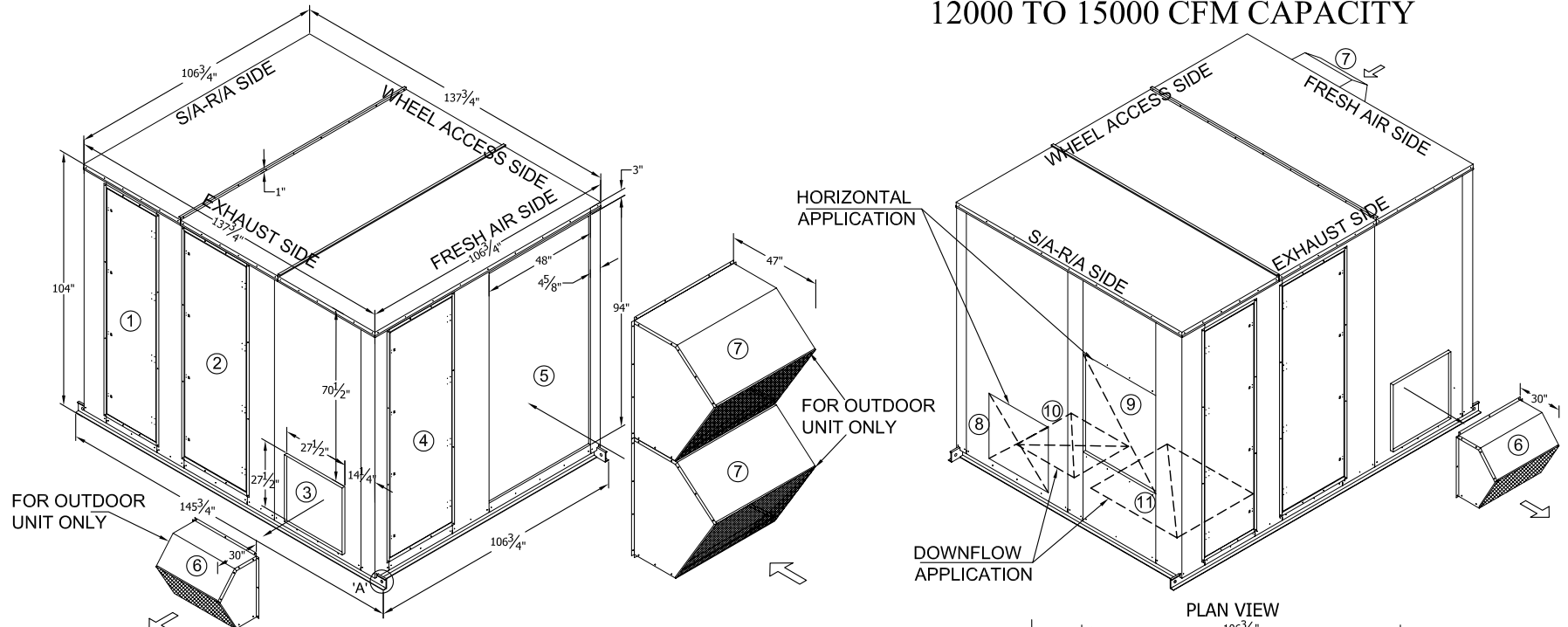
SHIPPING WEIGHT(LESS MOTORS) - 3485 LBS.



DOWNFLOW APPLICATION



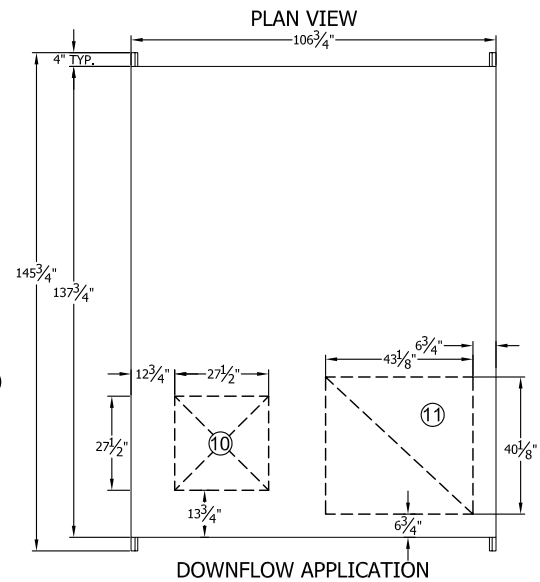
RERV15000 ROTARY ENERGY RECOVERY VENTILATOR 12000 TO 15000 CFM CAPACITY



- ① - ELECTRICAL PANEL ACCESS
- ② - RA FILTER TRACK ACCESS
- ③ - EXHAUST AIR OUT
- ④ - EXHAUST BLOWER ACCESS
- ⑤ - FRESH AIR IN
- ⑥ - EXHAUST AIR HOOD (OUTDOOR UNIT ONLY)
- ⑦ - FRESH AIR HOOD (x2) (OUTDOOR UNIT ONLY)
- ⑧ - SUPPLY AIR OPENING- HORIZONTAL
- ⑨ - RETURN AIR OPENING-HORIZONTAL
- ⑩ - SUPPLY AIR OPENING- DOWNFLOW
- ⑪ - RETURN AIR OPENING- DOWNFLOW

SHIPPING WEIGHT(LESS MOTORS) - 5470 LBS.

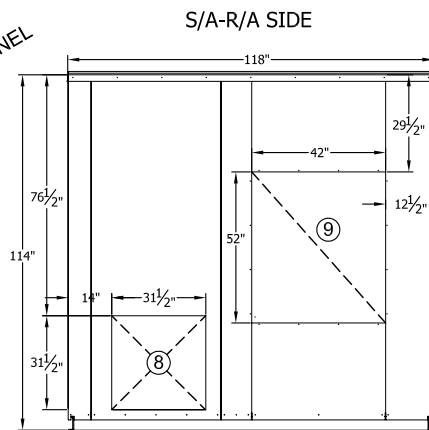
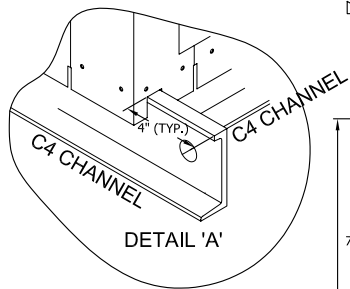
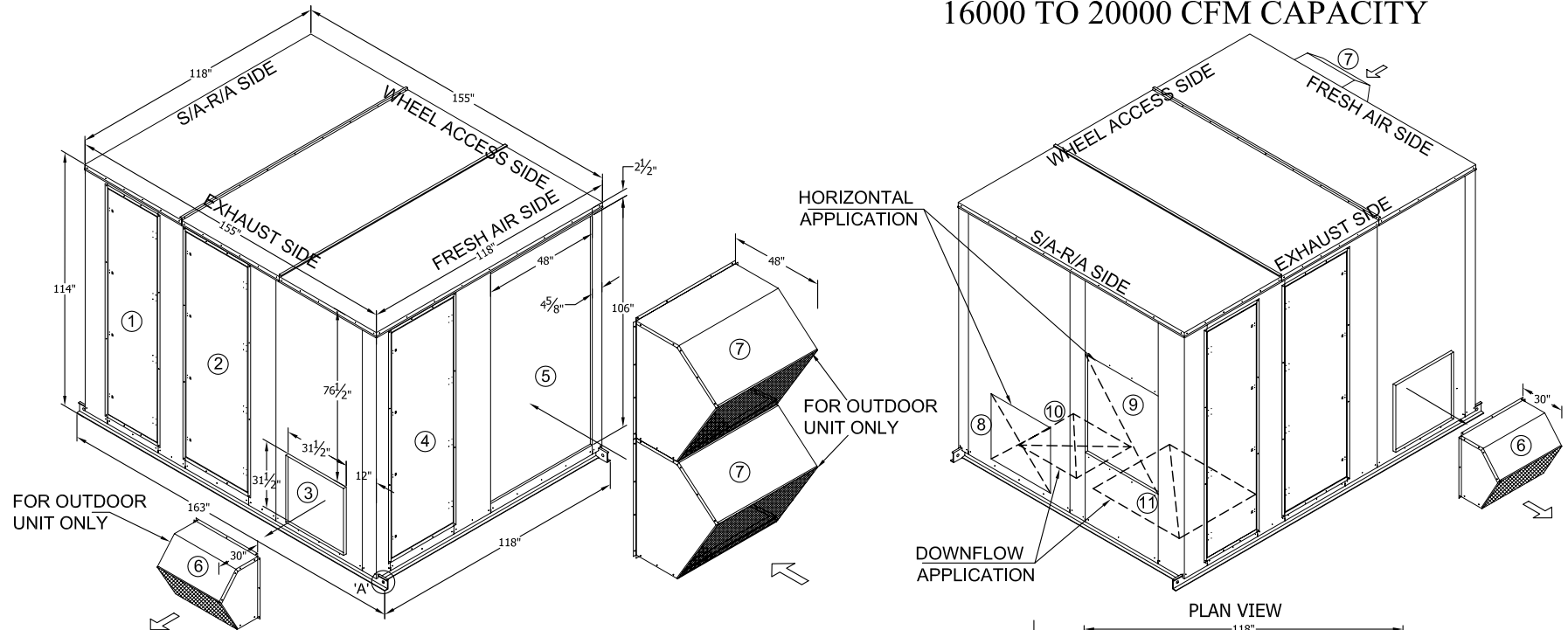
HORIZONTAL APPLICATION



RERV15000
APR.,10,2015



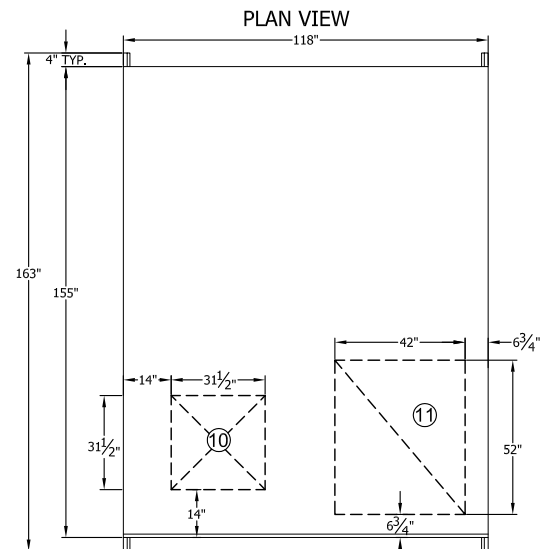
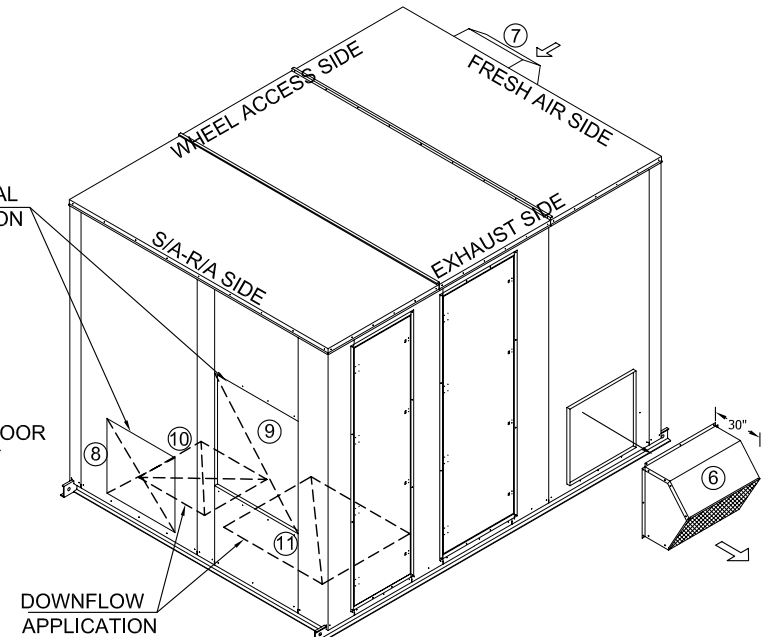
RERV20000 ROTARY ENERGY RECOVERY VENTILATOR 16000 TO 20000 CFM CAPACITY



HORIZONTAL APPLICATION

- ① - ELECTRICAL PANEL ACCESS
- ② - RA FILTER TRACK ACCESS
- ③ - EXHAUST AIR OUT
- ④ - EXHAUST BLOWER ACCESS
- ⑤ - FRESH AIR IN
- ⑥ - EXHAUST AIR HOOD (OUTDOOR UNIT ONLY)
- ⑦ - FRESH AIR HOOD (x2) (OUTDOOR UNIT ONLY)
- ⑧ - SUPPLY AIR OPENING- HORIZONTAL
- ⑨ - RETURN AIR OPENING- HORIZONTAL
- ⑩ - SUPPLY AIR OPENING- DOWNFLOW
- ⑪ - RETURN AIR OPENING- DOWNFLOW

SHIPPING WEIGHT(LESS MOTORS) - 6745 LBS.



DOWNFLOW APPLICATION



CLIPLOCK 1000 ROOF CURB MODEL FOR SERIES RERV

* US PATENTS 5188333, 5255887
CANADIAN PATENT 2073900
ADDITIONAL PATENTS PENDING

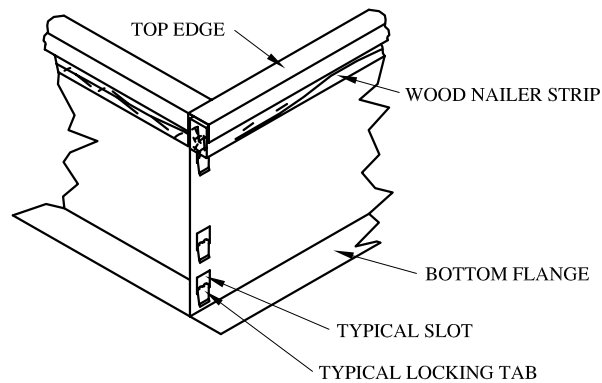
FEATURES:

- HEAVY GAUGE GALVANIZED STEEL CONSTRUCTION
- 2 x 3" WOOD PERIMETER NAILER
- PATENTED CLIPLOCK DESIGN FOR EASE OF ASSEMBLY
- NEOPRENE GASKET

OPTIONS:

- STAINLESS STEEL OR ALUMINUM CONSTRUCTION
- INTERNAL 1" INSULATION
- WELDED CONSTRUCTION

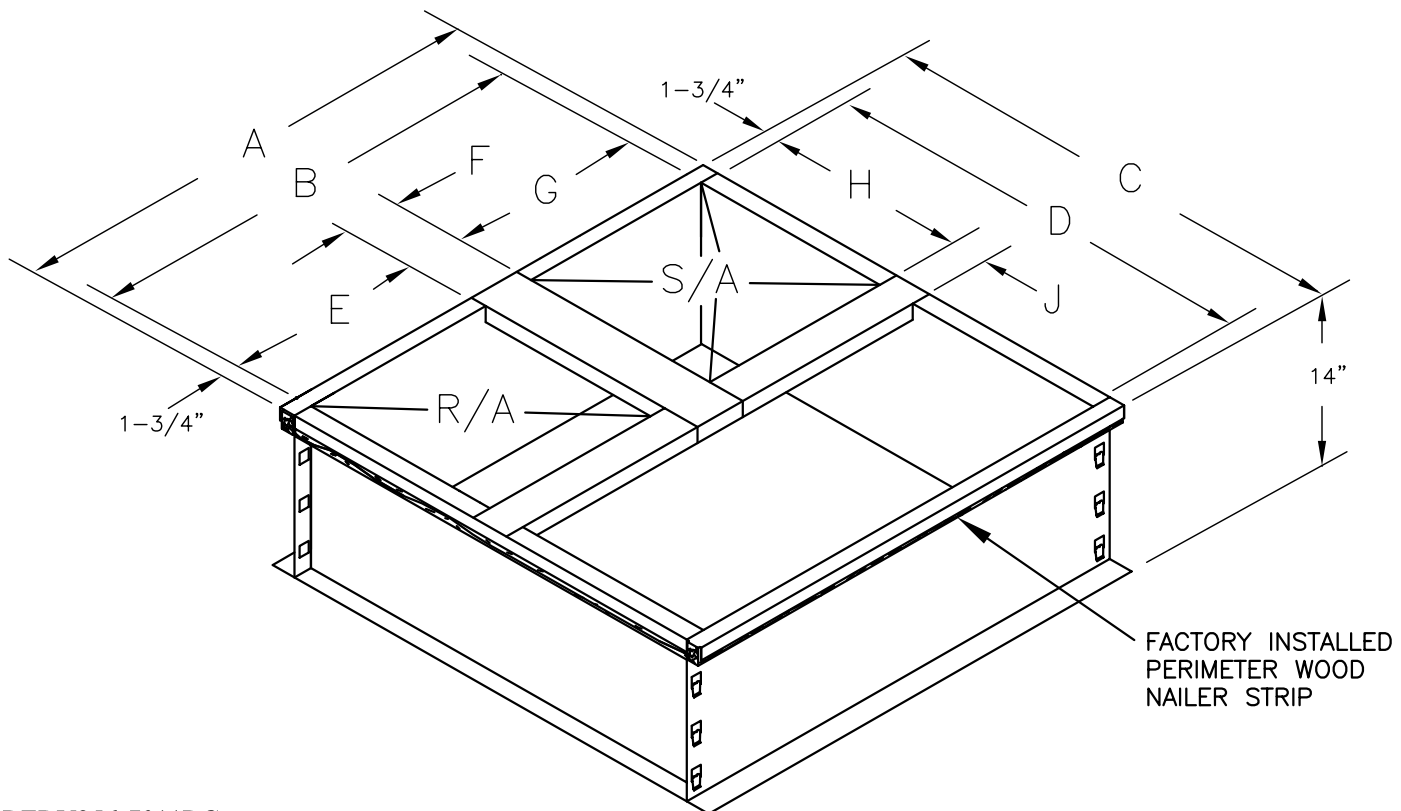
CLIPLOCK CORNER DETAIL



NOTE: SEE CLIPLOCK 1000 INSTALLATION INSTRUCTIONS
FOR COMPLETE ASSEMBLY AND INSTALLATION
PROCEDURES AND REQUIREMENTS.

DIMENSIONAL DATA										
USE FOR UNIT MODEL	CURB PART #	A	B	C	D	E	F	G	H	J
RERV-256 RERV-511 RERV-1019 RERV-1324	RERV2524RC	49-1/2"	46"	49-1/2"	46"	21-1/2"	9-7/8"	14-5/8"	16-7/8"	2"
RERV-1533 RERV-3045 RERV-3550	RERV1550RC	63-1/2"	60"	63-1/2"	60"	28"	4"	28"	28"	3"
RERV-4055 RERV-4567 RERV-5082 RERV-6098 RERV-7011	RERV4011RC	81-1/2"	78"	103-1/2"	100"	36"	6"	36"	36"	3"

NOTE:-
FOR HORIZONTAL SUPPLY & RETURN
ARRANGEMENTS, NO BRACE PACKAGE IS PROVIDED.



RERV256-7011RC

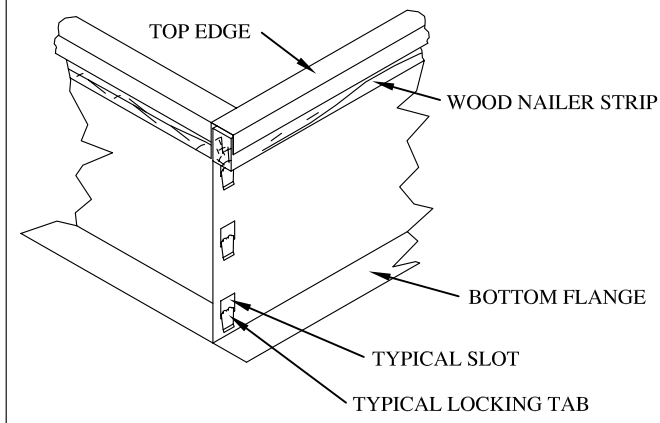
JUN., 27, 2016



CLIPLOCK ROOF CURB MODEL FOR SERIES RERV-15000

* US PATENTS 5188333, 5255887
CANADIAN PATENT 2073900
ADDITIONAL PATENTS PENDING

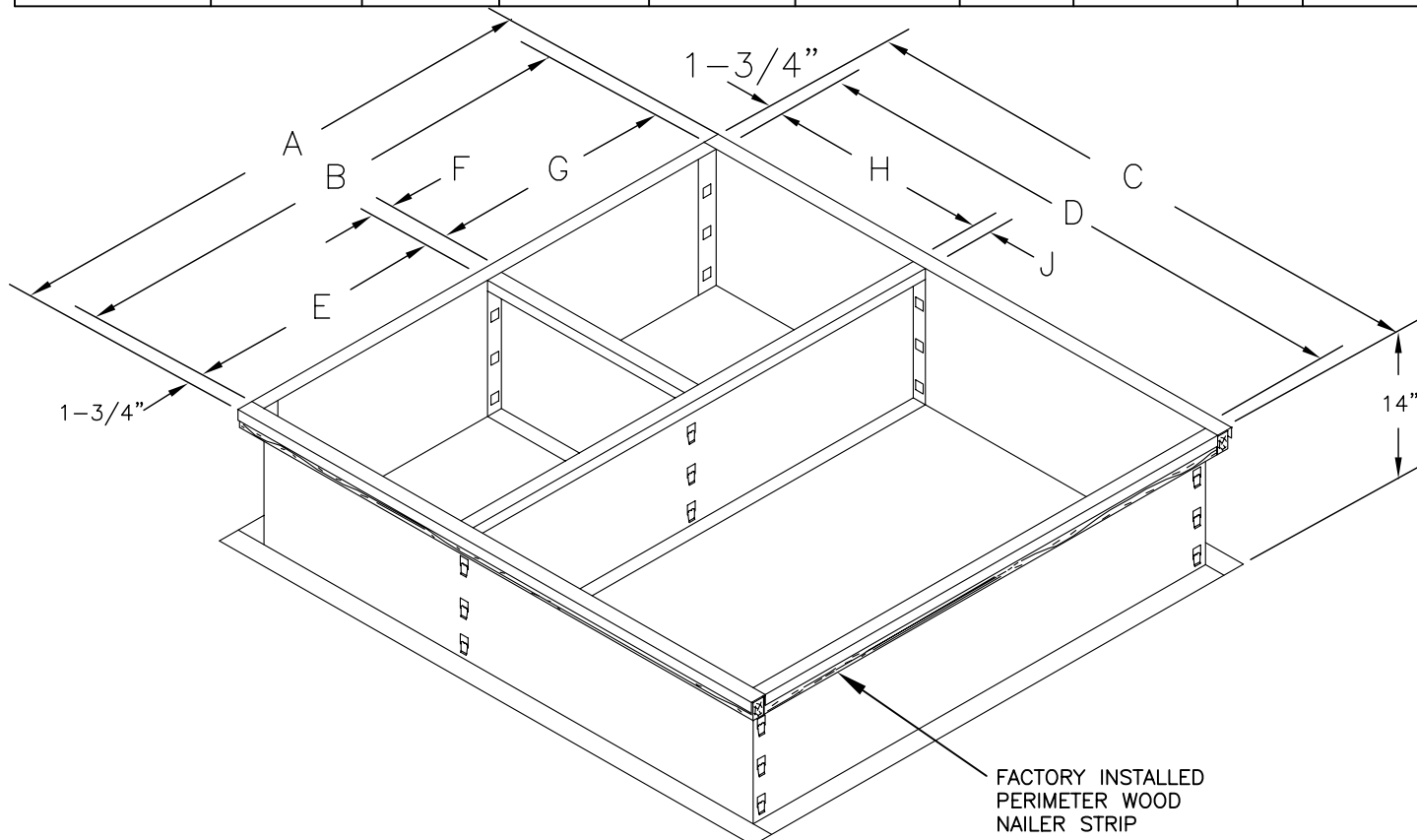
CLIPLOCK CORNER DETAIL



NOTE: SEE CLIPLOCK 1000 INSTALLATION INSTRUCTIONS
FOR COMPLETE ASSEMBLY AND INSTALLATION
PROCEDURES AND REQUIREMENTS.

DIMENSIONAL DATA

USE FOR UNIT MODEL	A	B	C	D	E	F	G	H	J
RERV-15000	102-7/8"	99-3/8"	133-7/8"	130-3/8"	48-13/16"	1-3/4"	48-13/16"	45"	1-3/4"



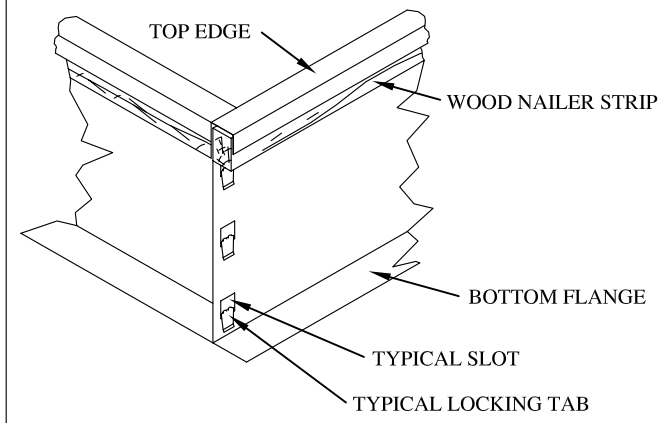
RERV15000RC
MAR., 23, 2015



CLIPLOCK ROOF CURB MODEL FOR SERIS RERV-20000

* US PATENTS 5188333, 5255887
CANADIAN PATENT 2073900
ADDITIONAL PATENTS PENDING

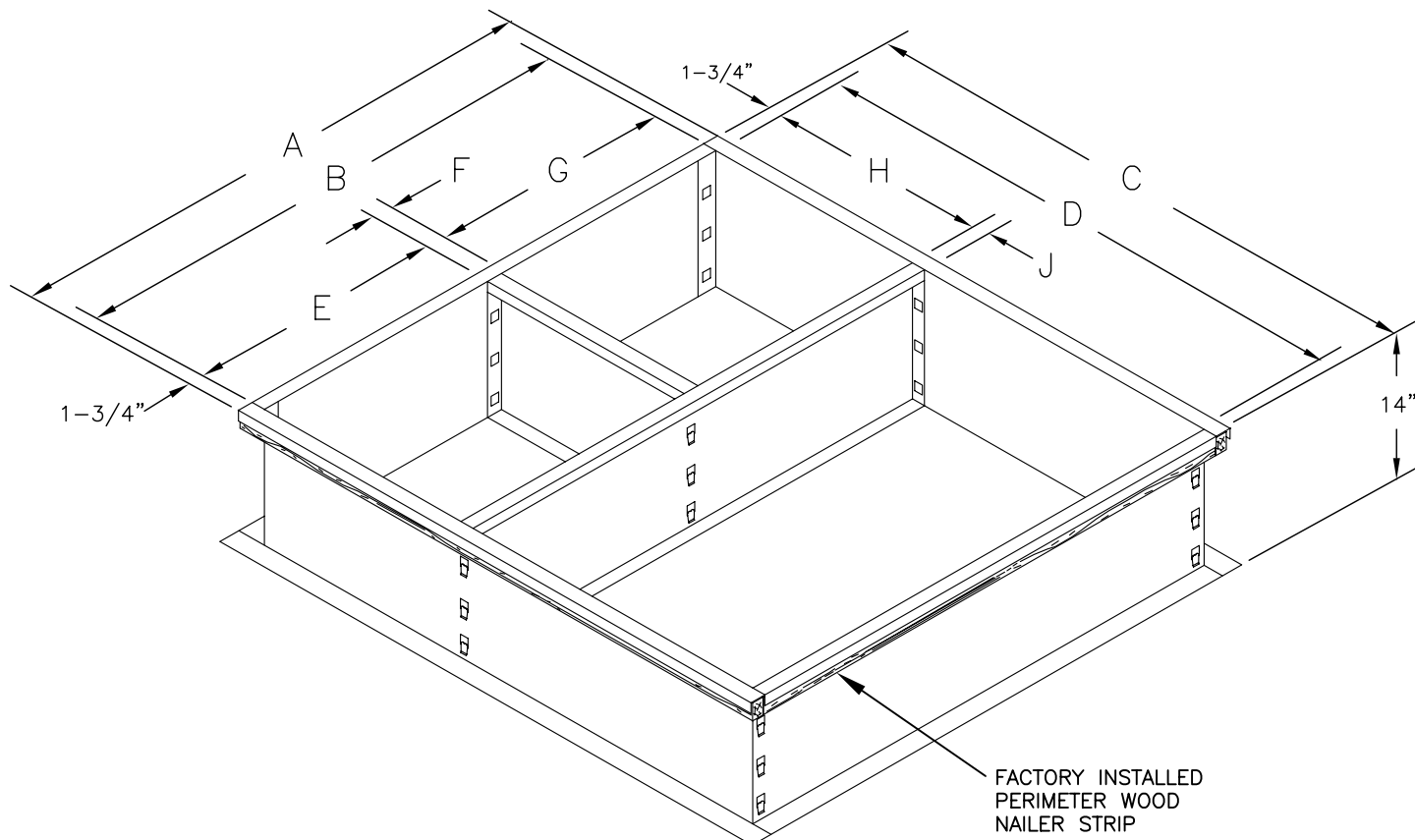
CLIPLOCK CORNER DETAIL



NOTE: SEE CLIPLOCK 1000 INSTALLATION INSTRUCTIONS
FOR COMPLETE ASSEMBLY AND INSTALLATION
PROCEDURES AND REQUIREMENTS.

DIMENSIONAL DATA

USE FOR UNIT MODEL	A	B	C	D	E	F	G	H	J
RERV-20000	114-1/8"	110-5/8"	151-1/8"	147-5/8"	54-7/16"	1-3/4"	54-7/16"	60"	1-3/4"



RERV20000RC
MAR.,23, 2015



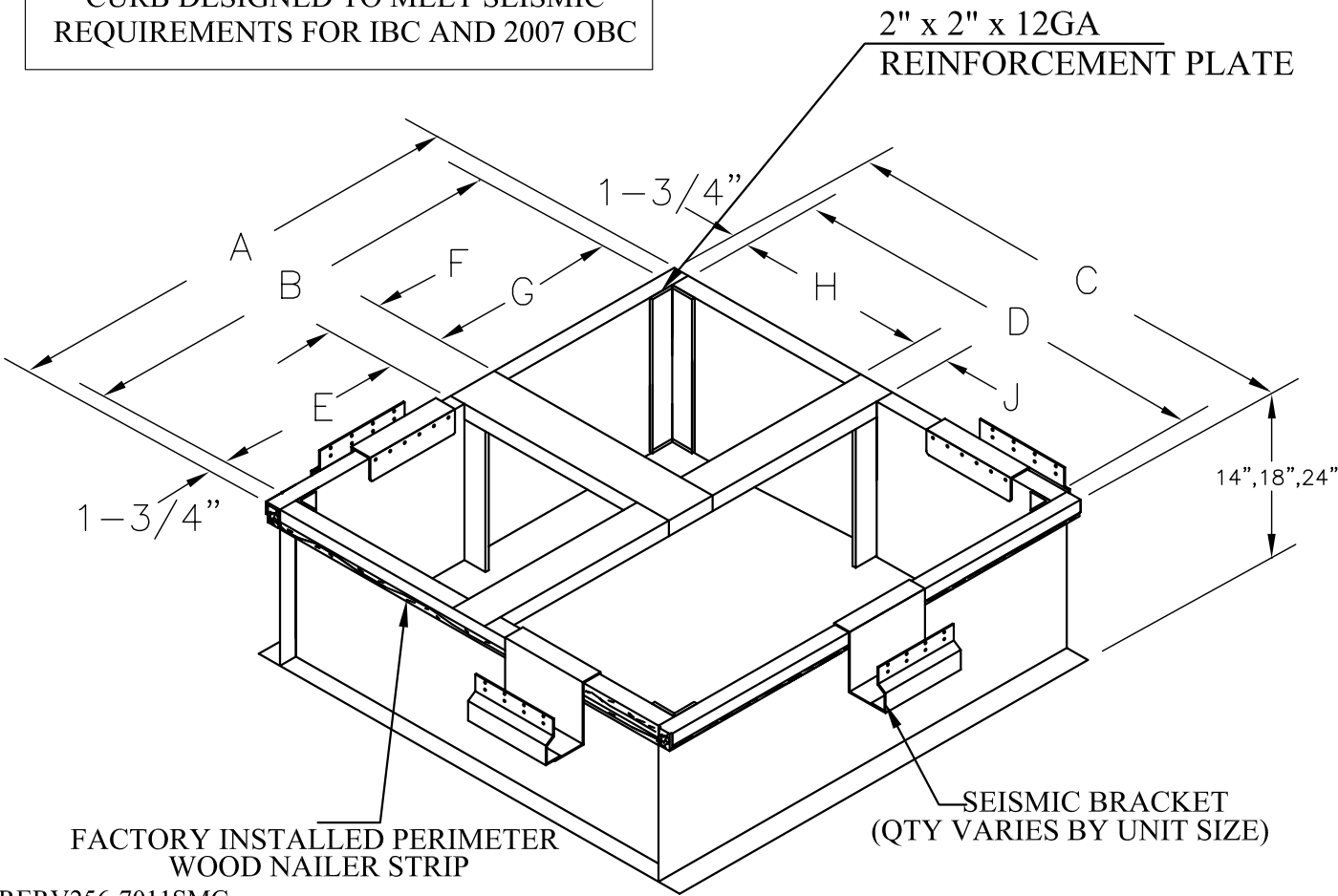
SEISMIC ROOF CURB MODEL FOR SERIES RERV

FEATURES:

- HEAVY GAUGE GALVANIZED STEEL CONSTRUCTION
- 2 x 3" WOOD PERIMETER NAILER
- WELDED CONSTRUCTION
- SEISMIC CLIPS (FACTORY INSTALLED)
- CURB SHIPS FULLY ASSEMBLED

DIMENSIONAL DATA										
USE FOR UNIT MODEL	CURB PART #	A	B	C	D	E	F	G	H	J
RERV-256 RERV-511 RERV-1019 RERV-1324	RERV2524SMC	49-1/2"	46"	49-1/2"	46"	21-1/2"	9-7/8"	14-5/8"	16-7/8"	2"
RERV-1533 RERV-3045 RERV-3550	RERV1550SMC	63-1/2"	60"	63-1/2"	60"	28"	4"	28"	28"	3"
RERV-4055 RERV-4567 RERV-5082 RERV-6098 RERV-7011	RERV4011SMC	81-1/2"	78"	103-1/2"	100"	36"	6"	36"	36"	3"

CURB DESIGNED TO MEET SEISMIC
REQUIREMENTS FOR IBC AND 2007 OBC



RERV256-7011SMC
JUN. 04 / 15



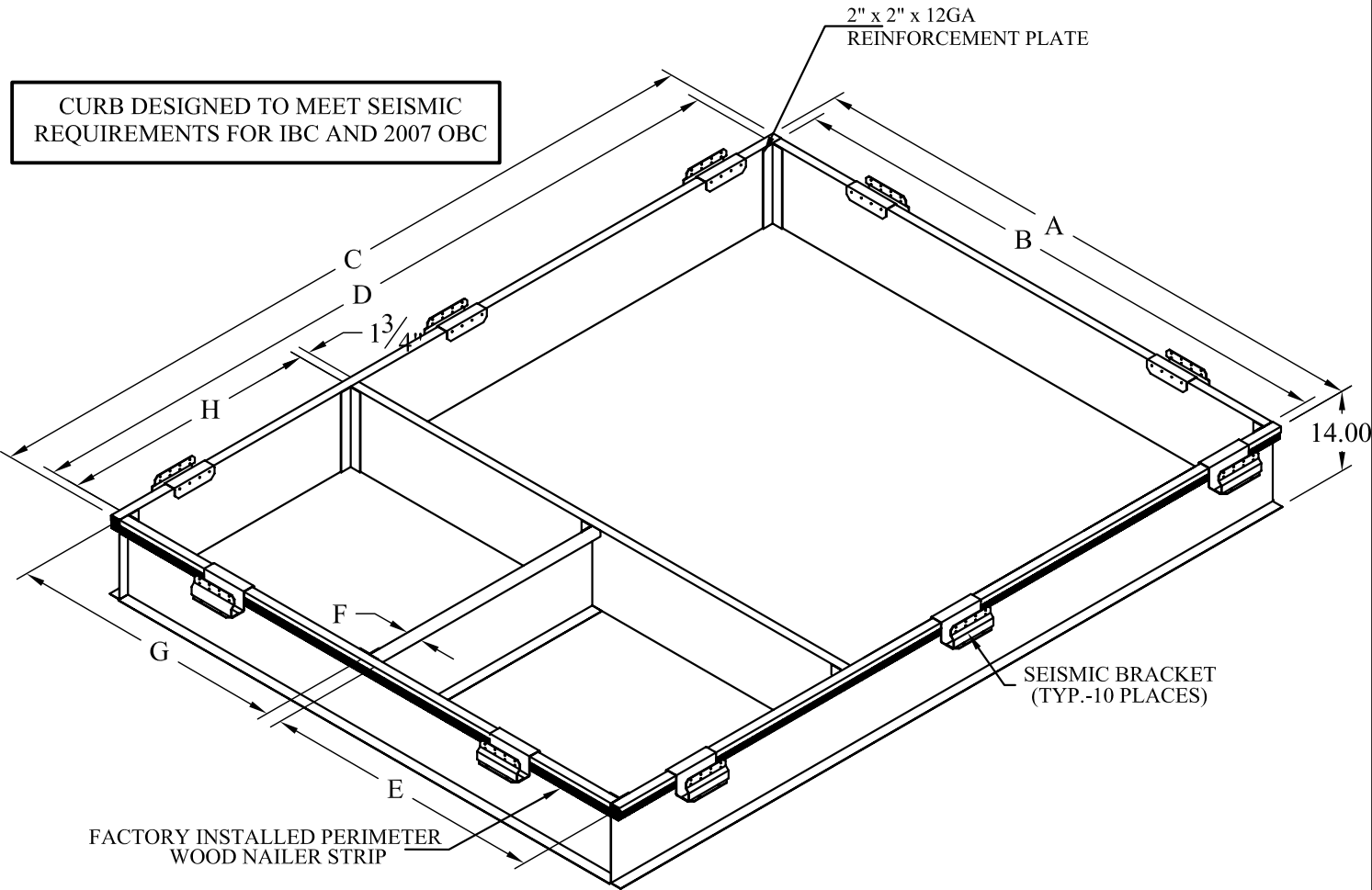
SEISMIC ROOF CURB MODEL FOR SERIES RERV 15000

* US PATENTS 5188333, 5255887
CANADIAN PATENT 2073900
ADDITIONAL PATENTS PENDING

FEATURES:

- HEAVY GAUGE STAINLESS STEEL CONSTRUCTION
- 2 x 3" WOOD PERIMETER NAILER
- WELDED CONSTRUCTION
- SEISMIC CLIPS (FACTORY INSTALLED)
- CURB SHIPS FULLY ASSEMBLED

DIMENSIONAL DATA										
USE FOR UNIT MODEL	CURB PART #	A	B	C	D	E	F	G	H	J
RERV-15000	RERV15000SMC	102-7/8"	99-3/8"	133-7/8"	130-3/8"	48-13/16"	1-3/4"	48-13/16"	45"	1-3/4"



RERV15000SMC
MAY,21,2015



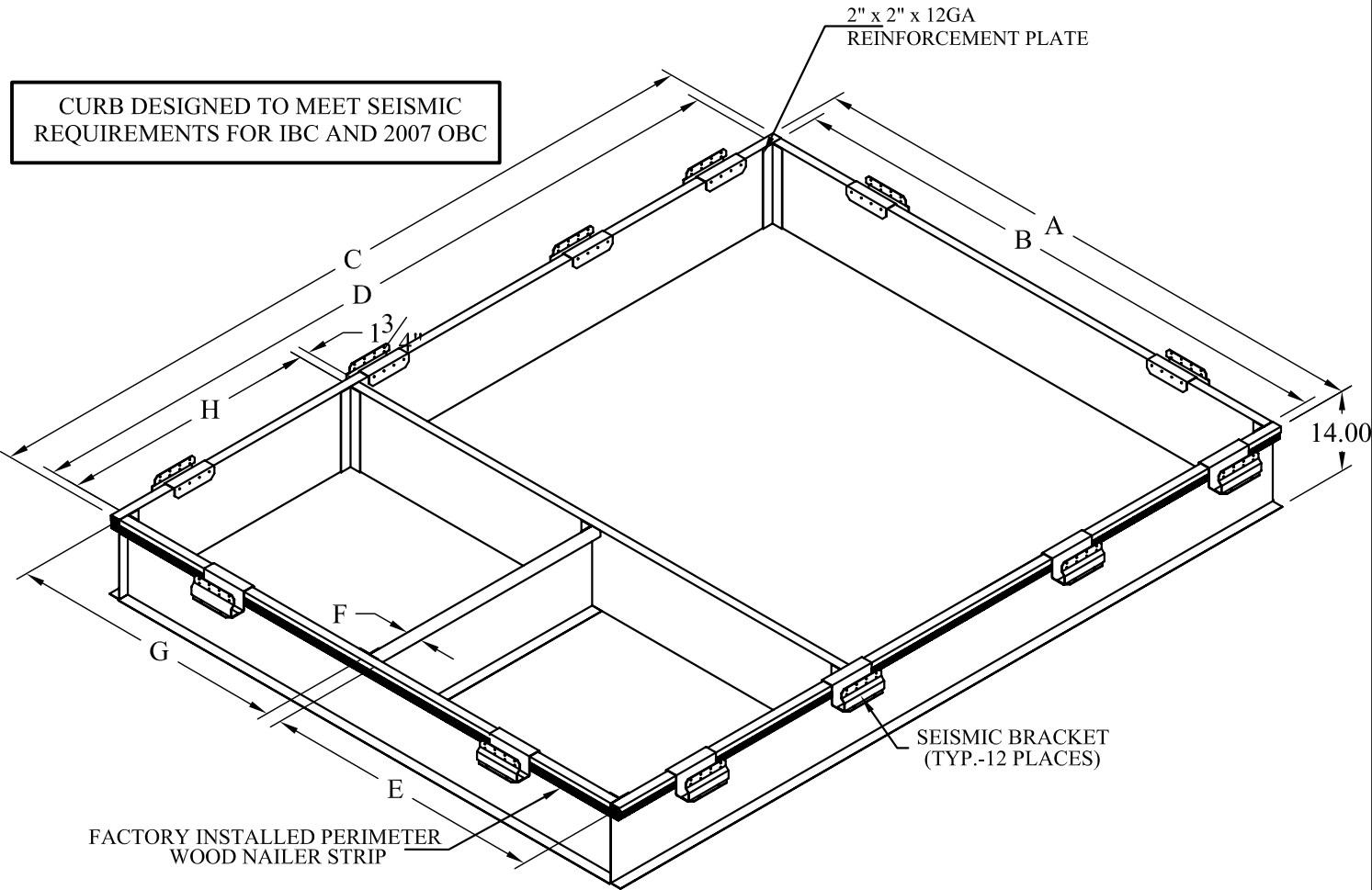
SEISMIC ROOF CURB MODEL FOR SERIES RERV 20000

* US PATENTS 5188333, 5255887
CANADIAN PATENT 2073900
ADDITIONAL PATENTS PENDING

FEATURES:

- HEAVY GAUGE STAINLESS STEEL CONSTRUCTION
- 2 x 3" WOOD PERIMETER NAILER
- WELDED CONSTRUCTION
- SEISMIC CLIPS (FACTORY INSTALLED)
- CURB SHIPS FULLY ASSEMBLED

DIMENSIONAL DATA										
USE FOR UNIT MODEL	CURB PART #	A	B	C	D	E	F	G	H	J
RERV-20000	RERV20000SMC	114-1/8"	110-5/8"	151-1/8"	147-5/8"	54-7/16"	1-3/4"	54-7/16"	50"	1-3/4"



CURB DESIGNED TO MEET SEISMIC
REQUIREMENTS FOR IBC AND 2007 OBC

RERV20000SMC
MAY,27,2015

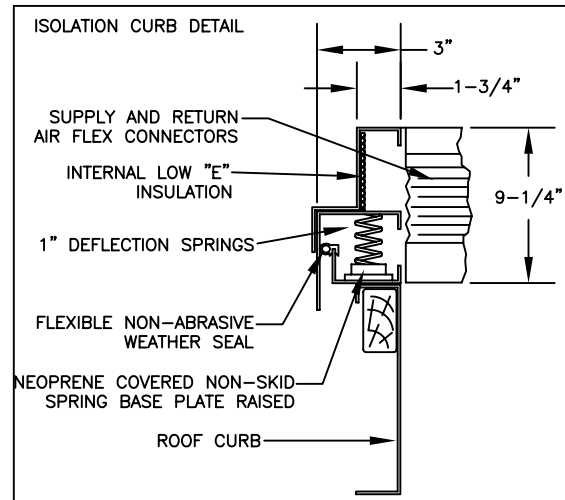


1" DEFLECTION ISOLATION CURB MODEL FOR SERIES RERV

FEATURES:

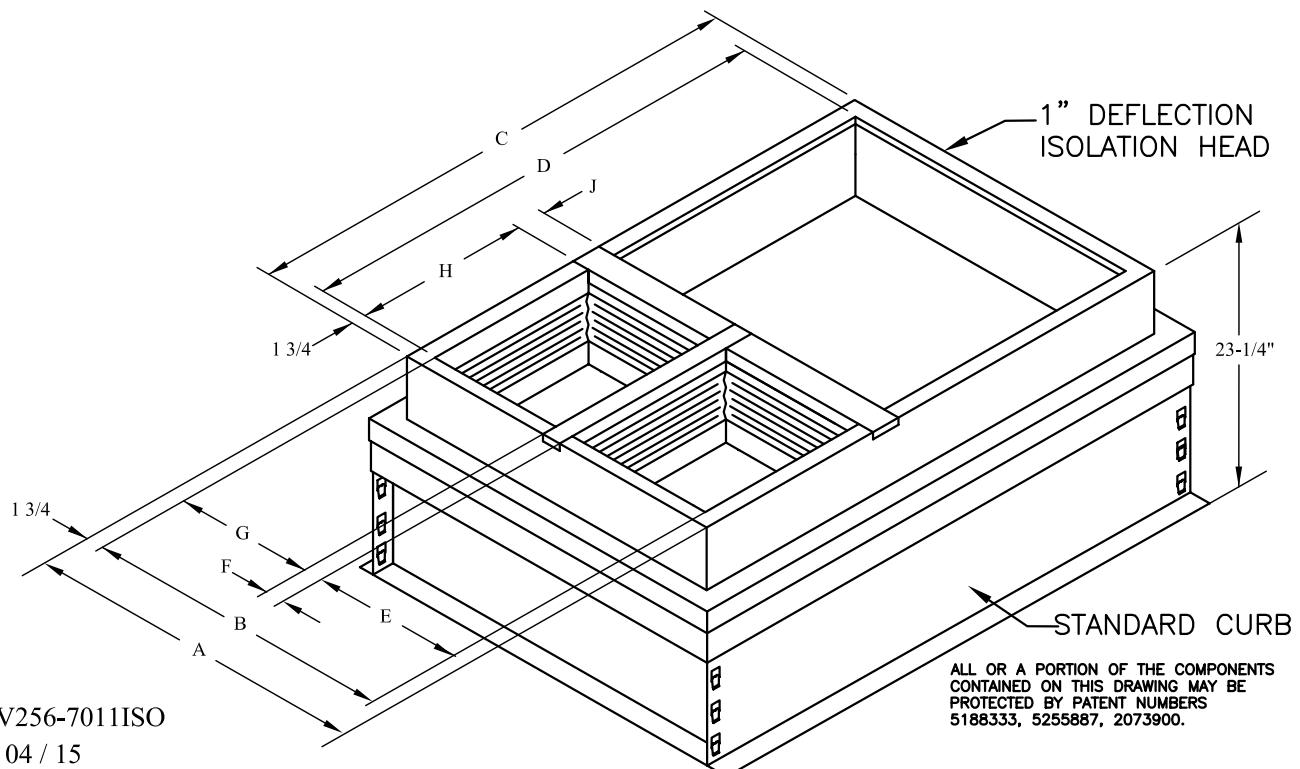
- ONE PIECE FULLY ASSEMBLED CONSTRUCTION
- HEAVY GAUGE STEEL
- MITERED CORNERS, CONTINUOUSLY WELDED TO GUARD AGAINST WATER LEAKAGE
- FLEXIBLE NON-ABRASIVE WEATHER SEAL
- FREE STANDING 1" DEFLECTION SPRINGS WITH LACQUER BASED POLY-VYNYL FINISH
- NEOPRENE COVERED NON-SKID SPRING BASE PLATE WITH RAISED ACOUSTICAL CUP
- SUPPLY AND RETURN AIR OPENING FLEX CONNECTORS

NOTE:-
FOR HORIZONTAL SUPPLY & RETURN ARRANGEMENTS, NO BRACE PACKAGE /FLEX CONNECTIONS ARE PROVIDED.



DIMENSIONAL DATA

USE FOR UNIT MODEL	ISO. HEAD PART #	A	B	C	D	E	F	G	H	J
RERV-256 RERV-511 RERV-1019 RERV-1324	RERV2524ISO	49-1/2"	46"	49-1/2"	46"	21-1/2"	9-7/8"	14-5/8"	16-7/8"	2"
RERV-1533 RERV-3045 RERV-3550	RERV1550ISO	63-1/2"	60"	63-1/2"	60"	28"	4"	28"	28"	3"
RERV-4055 RERV-4567 RERV-5082 RERV-6098 RERV-7011	RERV4011ISO	81-1/2"	78"	103-1/2"	100"	36"	6"	36"	36"	3"



RERV256-7011ISO
JUN. 04 / 15

ALL OR A PORTION OF THE COMPONENTS
CONTAINED ON THIS DRAWING MAY BE
PROTECTED BY PATENT NUMBERS
5188333, 5255887, 2073900.

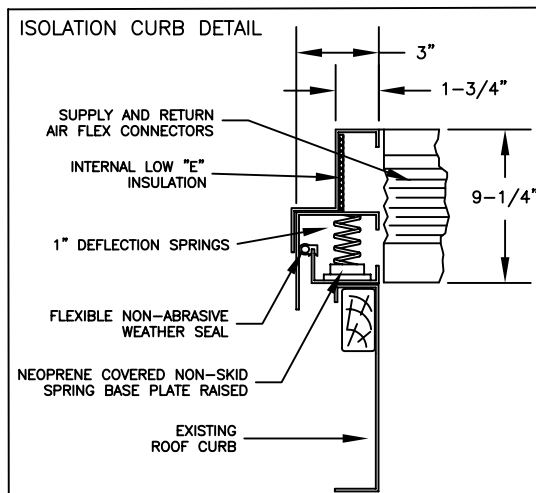


1" DEFLECTION ISOLATION CURB ASSEMBLY MODEL FOR SERIES RERV 15000

FEATURES:

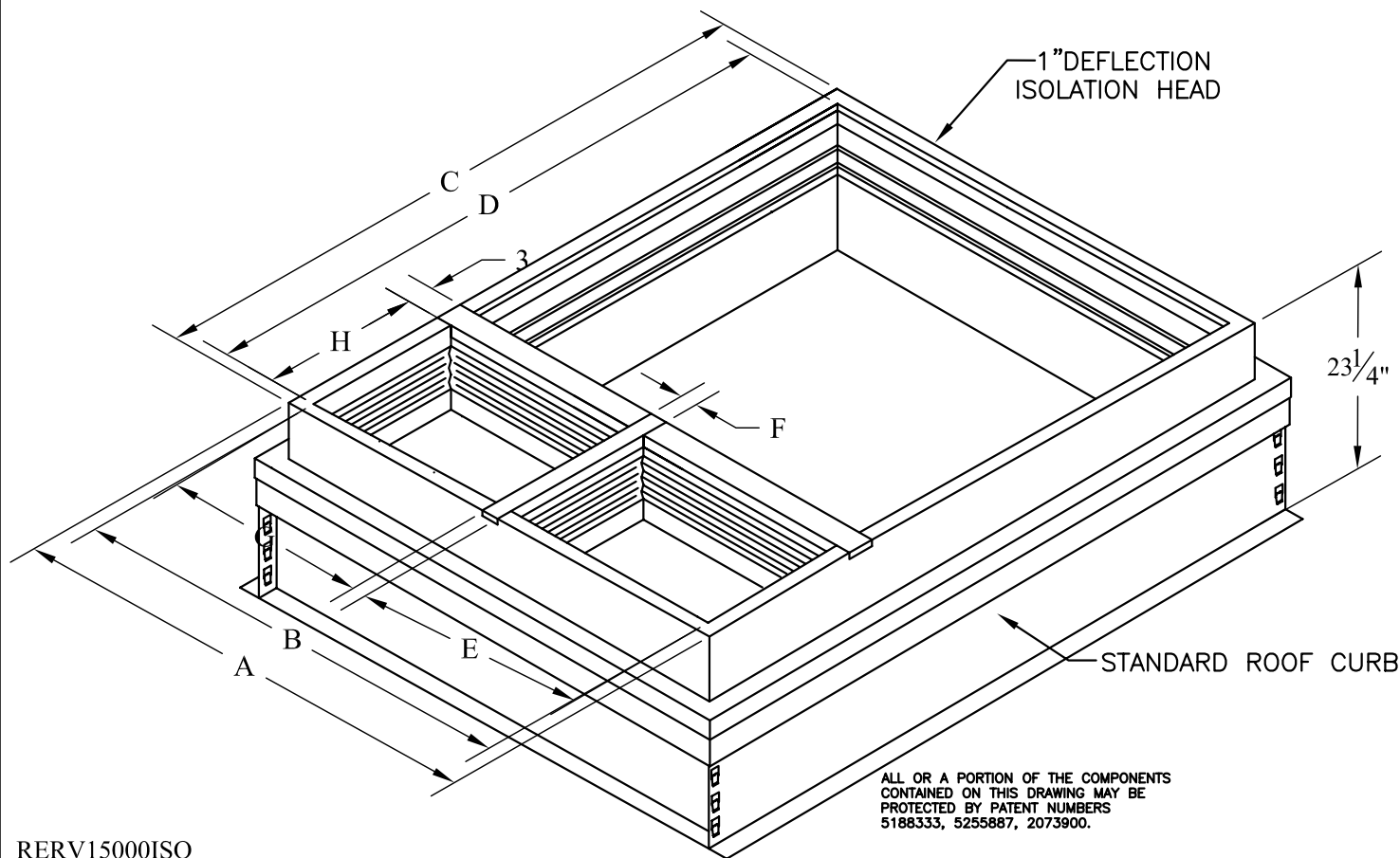
- ONE PIECE FULLY ASSEMBLED CONSTRUCTION
- HEAVY GAUGE STEEL
- MITERED CORNERS, CONTINUOUSLY WELDED TO GUARD AGAINST WATER LEAKAGE
- FLEXIBLE NON-ABRASIVE WEATHER SEAL
- FREE STANDING 1" DEFLECTION SPRINGS WITH LACQUER BASED POLY-VYNYL FINISH
- NEOPRENE COVERED NON-SKID SPRING BASE PLATE WITH RAISED ACOUSTICAL CUP
- SUPPLY AND RETURN AIR OPENING FLEX CONNECTORS

NOTE:-
FOR HORIZONTAL SUPPLY & RETURN ARRANGEMENTS, NO BRACE PACKAGE /FLEX CONNECTIONS ARE PROVIDED.



DIMENSIONAL DATA

USE FOR UNIT MODEL	ISO. HEAD PART #	A	B	C	D	E	F	G	H	J
RERV-15000	RERV15000ISO	102-7/8"	99-3/8"	133-7/8"	130-3/8"	48-13/16"	1-3/4"	48-13/16"	45"	3"



ALL OR A PORTION OF THE COMPONENTS
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PROTECTED BY PATENT NUMBERS
5188333, 5255887, 2073900.

RERV15000ISO
JUN. 04 / 15

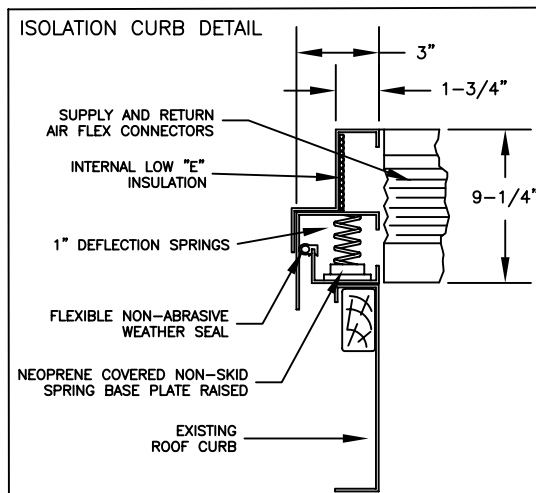


1" DEFLECTION ISOLATION CURB ASSEMBLY MODEL FOR SERIES RERV 20000

FEATURES:

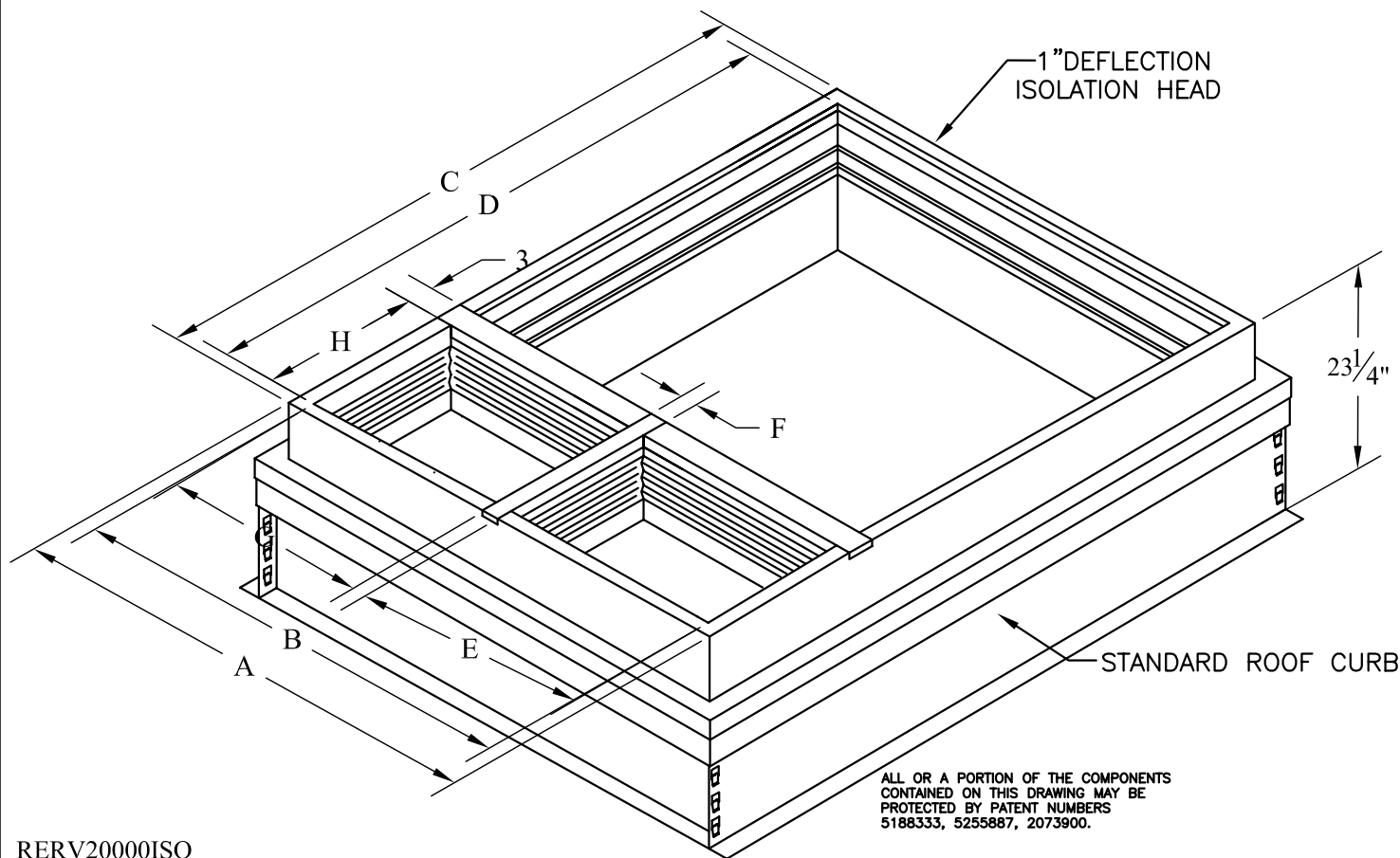
- ONE PIECE FULLY ASSEMBLED CONSTRUCTION
- HEAVY GAUGE STEEL
- MITERED CORNERS, CONTINUOUSLY WELDED TO GUARD AGAINST WATER LEAKAGE
- FLEXIBLE NON-ABRASIVE WEATHER SEAL
- FREE STANDING 1" DEFLECTION SPRINGS WITH LACQUER BASED POLY-VYNYL FINISH
- NEOPRENE COVERED NON-SKID SPRING BASE PLATE WITH RAISED ACOUSTICAL CUP
- SUPPLY AND RETURN AIR OPENING FLEX CONNECTORS

NOTE:-
FOR HORIZONTAL SUPPLY & RETURN ARRANGEMENTS, NO BRACE PACKAGE /FLEX CONNECTIONS ARE PROVIDED.



DIMENSIONAL DATA

USE FOR UNIT MODEL	ISO. HEAD PART #	A	B	C	D	E	F	G	H	J
RERV-20000	RERV20000ISO	114-1/8"	110-5/8"	151-1/8"	147-5/8"	54-7/16"	1-3/4"	54-7/16"	50"	3"



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PROTECTED BY PATENT NUMBERS
5188333, 5255887, 2073900.

RERV20000ISO
MAR.,27,2015

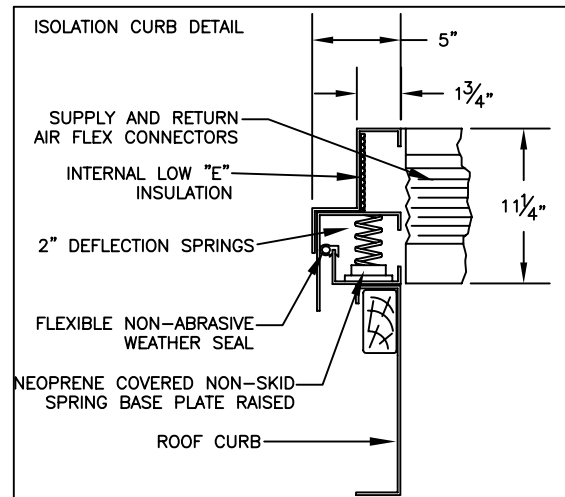


2" DEFLECTION ISOLATION CURB MODEL FOR SERIES RERV

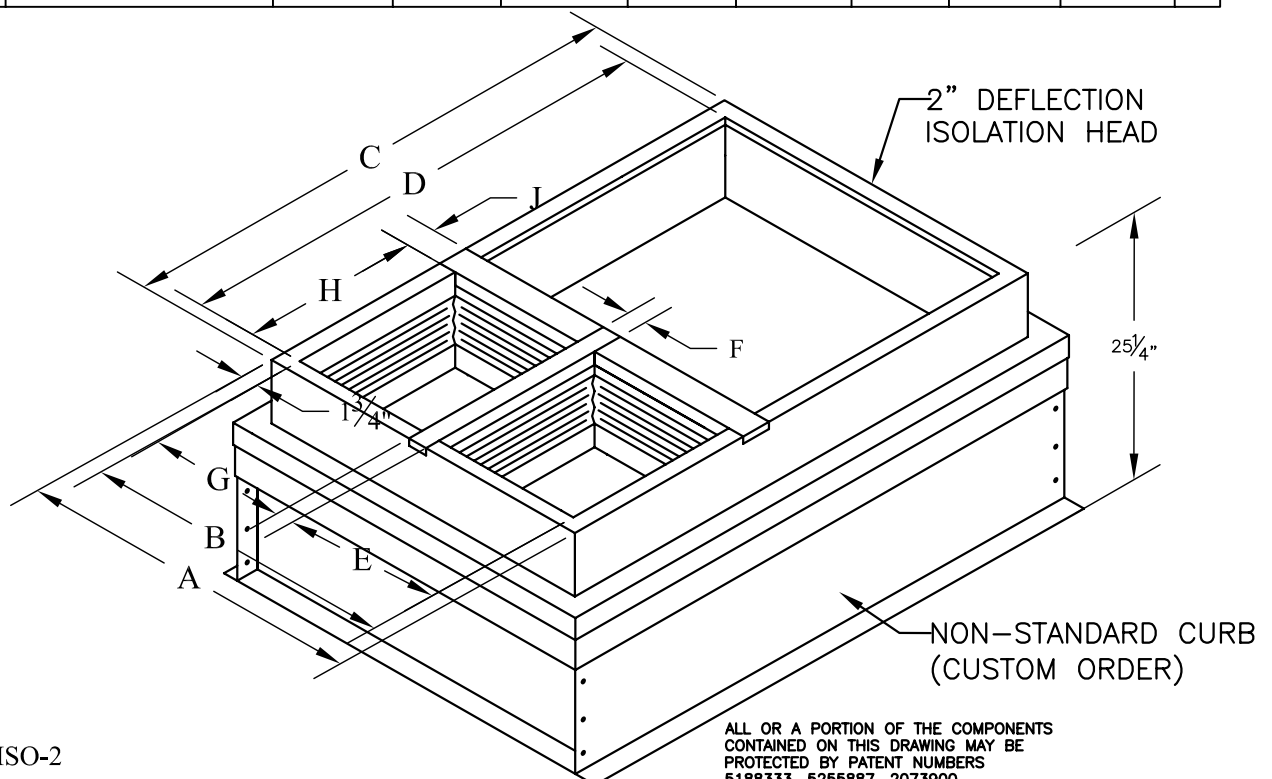
FEATURES:

- ONE PIECE FULLY ASSEMBLED CONSTRUCTION
- HEAVY GAUGE STEEL
- MITERED CORNERS, CONTINUOUSLY WELDED TO GUARD AGAINST WATER LEAKAGE
- FLEXIBLE NON-ABRASIVE WEATHER SEAL
- FREE STANDING 2" DEFLECTION SPRINGS WITH LACQUER BASED POLY-VYNYL FINISH
- NEOPRENE COVERED NON-SKID SPRING BASE PLATE WITH RAISED ACOUSTICAL CUP
- SUPPLY AND RETURN AIR OPENING FLEX CONNECTORS

NOTE:-
FOR HORIZONTAL SUPPLY & RETURN ARRANGEMENTS, NO
BRACE PACKAGE /FLEX CONNECTIONS ARE PROVIDED.



DIMENSIONAL DATA										
USE FOR UNIT MODEL	ISO. HEAD PART #	A	B	C	D	E	F	G	H	J
RERV-256 RERV-511 RERV-1019 RERV-1324	RERV2524ISO-2	49-1/2"	46"	49-1/2"	46"	21-1/2"	9-7/8"	14-5/8"	16-7/8"	2"
RERV-1533 RERV-3045 RERV-3550	RERV1550ISO-2	63-1/2"	60"	63-1/2"	60"	28"	4"	28"	28"	3"
RERV-4055 RERV-4567 RERV-5082 RERV-6098 RERV-7011	RERV4011ISO-2	81-1/2"	78"	103-1/2"	100"	36"	6"	36"	36"	3"



RERV256-7011ISO-2

JUN. 04 / 15

ALL OR A PORTION OF THE COMPONENTS
CONTAINED ON THIS DRAWING MAY BE
PROTECTED BY PATENT NUMBERS
5188333, 5255887, 2073900.

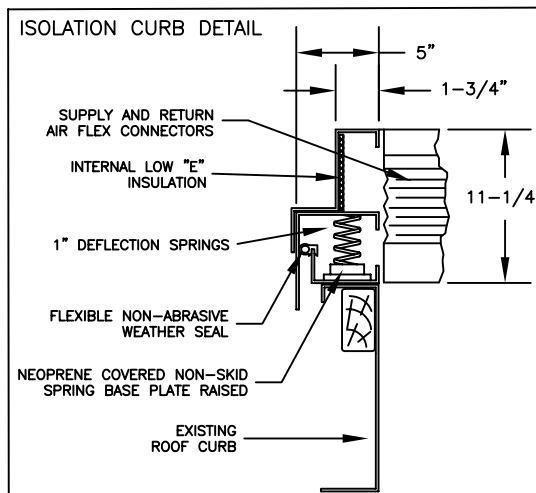


2" DEFLECTION ISOLATION CURB ASSEMBLY MODEL FOR SERIES RERV 15000

FEATURES:

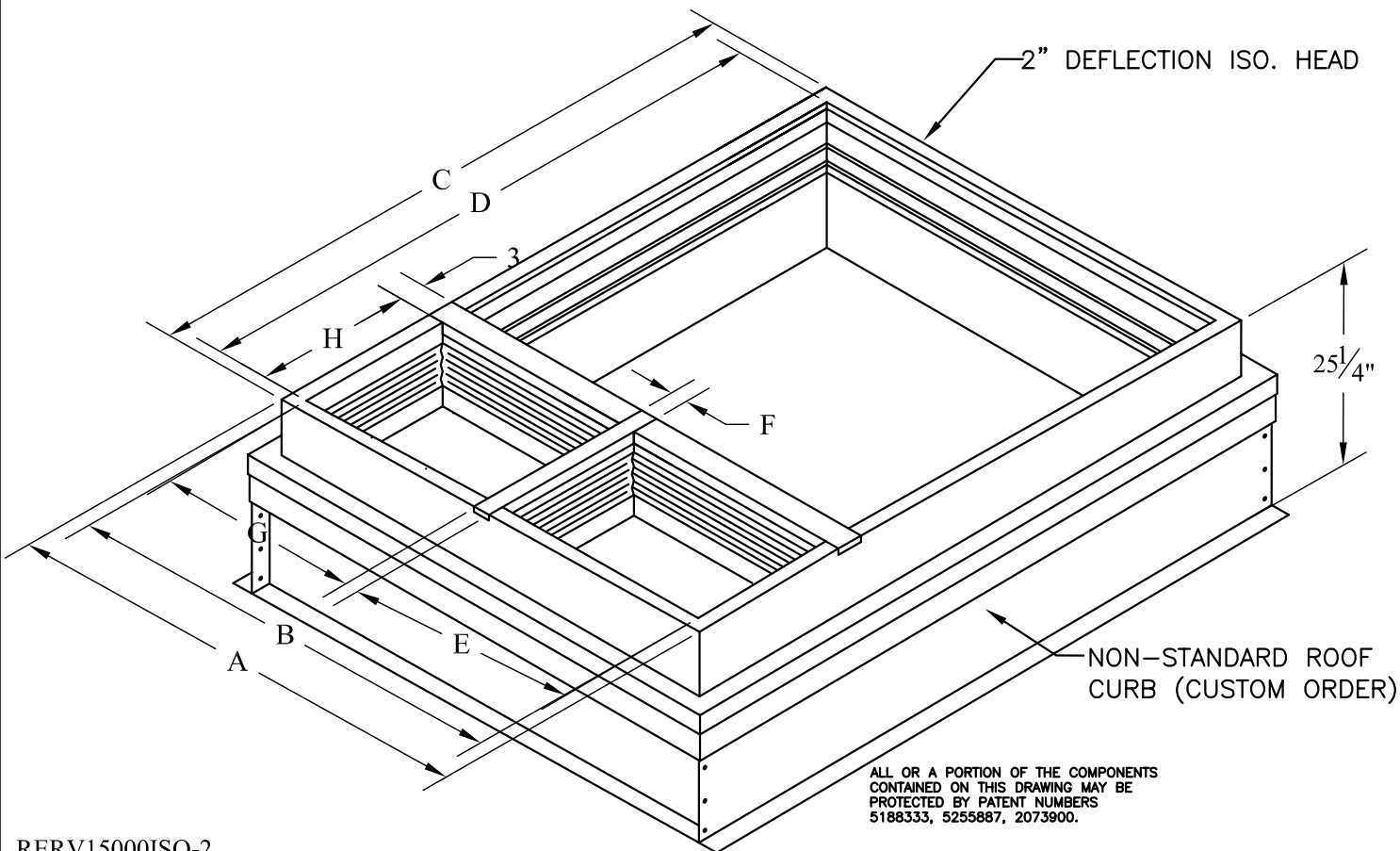
- ONE PIECE FULLY ASSEMBLED CONSTRUCTION
- HEAVY GAUGE STEEL
- MITERED CORNERS, CONTINUOUSLY WELDED TO GUARD AGAINST WATER LEAKAGE
- FLEXIBLE NON-ABRASIVE WEATHER SEAL
- FREE STANDING 2" DEFLECTION SPRINGS WITH LACQUER BASED POLY-VYNYL FINISH
- NEOPRENE COVERED NON-SKID SPRING BASE PLATE WITH RAISED ACOUSTICAL CUP
- SUPPLY AND RETURN AIR OPENING FLEX CONNECTORS

NOTE:-
FOR HORIZONTAL SUPPLY & RETURN ARRANGEMENTS, NO BRACE PACKAGE /FLEX CONNECTIONS ARE PROVIDED.



DIMENSIONAL DATA

UNIT MODEL	ISO. HEAD PART #	A	B	C	D	E	F	G	H	J
RERV-15000	RERV15000ISO-2	102-7/8"	99-3/8"	133-7/8"	130-3/8"	48-13/16"	1-3/4"	48-13/16"	45"	3"



RERV15000ISO-2

JUN. 04 / 15

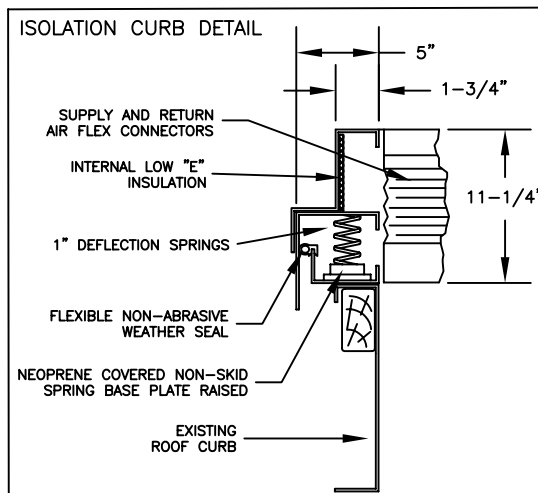


2" DEFLECTION ISOLATION CURB ASSEMBLY MODEL FOR SERIES RERV 20000

FEATURES:

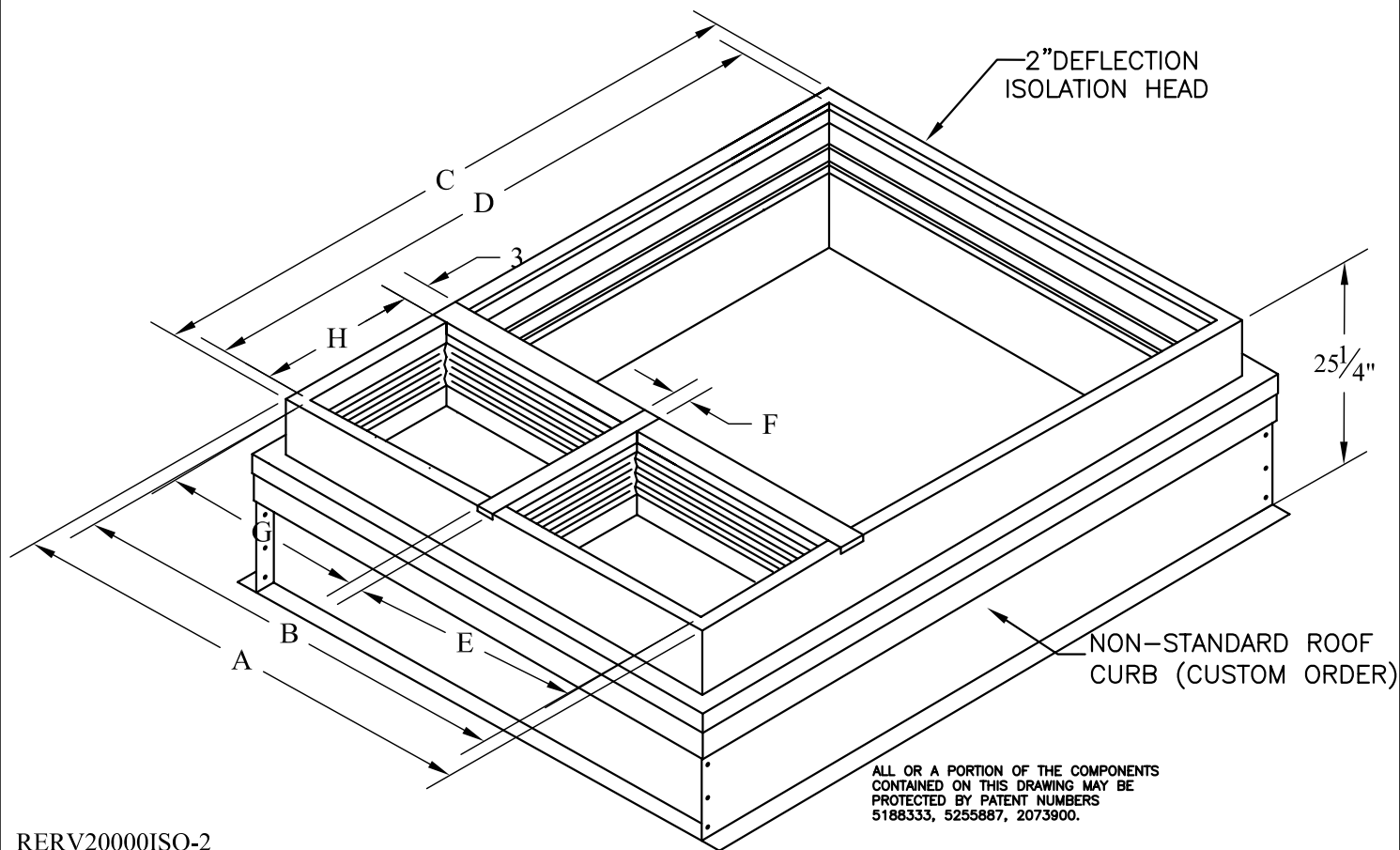
- ONE PIECE FULLY ASSEMBLED CONSTRUCTION
- HEAVY GAUGE STEEL
- MITERED CORNERS, CONTINUOUSLY WELDED TO GUARD AGAINST WATER LEAKAGE
- FLEXIBLE NON-ABRASIVE WEATHER SEAL
- FREE STANDING 2" DEFLECTION SPRINGS WITH LACQUER BASED POLY-VYNYL FINISH
- NEOPRENE COVERED NON-SKID SPRING BASE PLATE WITH RAISED ACOUSTICAL CUP
- SUPPLY AND RETURN AIR OPENING FLEX CONNECTORS

NOTE:-
FOR HORIZONTAL SUPPLY & RETURN ARRANGEMENTS, NO BRACE PACKAGE /FLEX CONNECTIONS ARE PROVIDED.



DIMENSIONAL DATA

UNIT MODEL	ISO. HEAD PART #	A	B	C	D	E	F	G	H	J
RERV-20000	RERV20000ISO-2	114-1/8"	110-5/8"	151-1/8"	147-5/8"	54-7/16"	1-3/4"	54-7/16"	50"	3"



ALL OR A PORTION OF THE COMPONENTS
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5188333, 5255887, 2073900.

RERV20000ISO-2
MAR.,27,2015

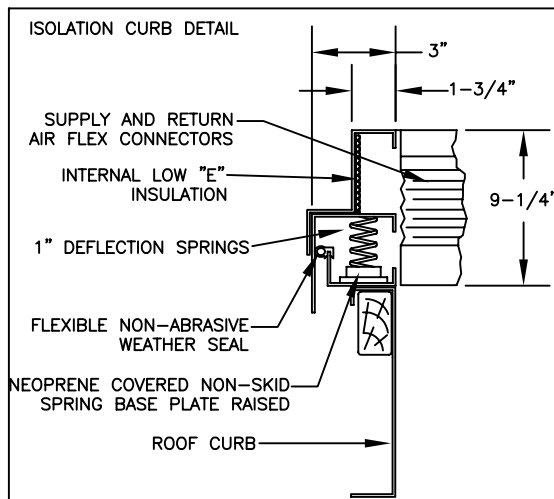


1" DEFLECTION SEISMIC ISOLATION CURB ASSEMBLY MODEL FOR SERIES RERV

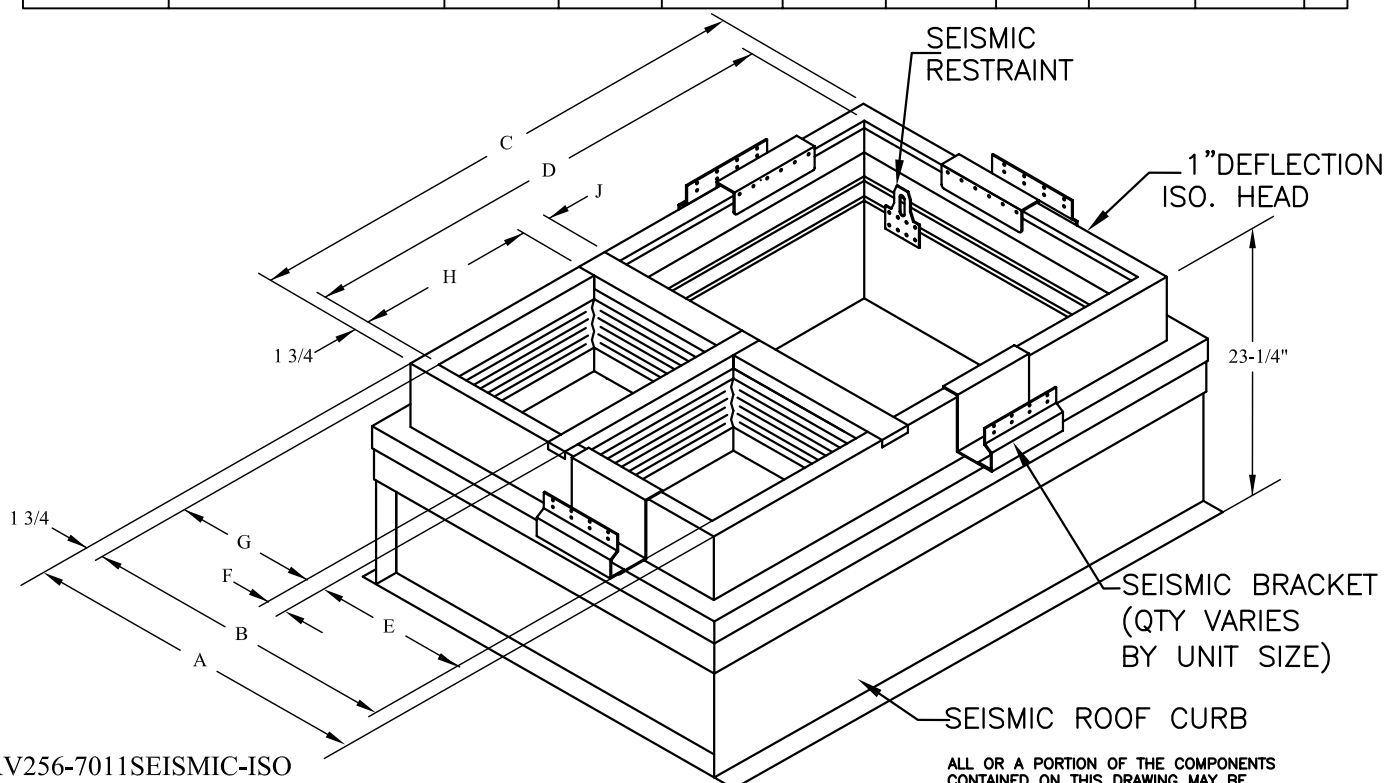
FEATURES:

- ONE PIECE FULLY ASSEMBLED CONSTRUCTION
- HEAVY GAUGE STEEL
- MITERED CORNERS, CONTINUOUSLY WELDED TO GUARD AGAINST WATER LEAKAGE
- FLEXIBLE NON-ABRASIVE WEATHER SEAL
- FREE STANDING 1" DEFLECTION SPRINGS WITH LACQUER BASED POLY-VYNYL FINISH
- NEOPRENE COVERED NON-SKID SPRING BASE PLATE WITH RAISED ACOUSTICAL CUP
- SUPPLY AND RETURN AIR OPENING FLEX CONNECTORS

NOTE:-
FOR HORIZONTAL SUPPLY & RETURN ARRANGEMENTS, NO BRACE PACKAGE /FLEX CONNECTIONS ARE PROVIDED.



DIMENSIONAL DATA										
USE FOR UNIT MODEL	ISO. HEAD PART #	A	B	C	D	E	F	G	H	J
RERV-256 RERV-511 RERV-1019 RERV-1324	RERV2524SMC-ISO	49-1/2"	46"	49-1/2"	46"	21-1/2"	9-7/8"	14-5/8"	16-7/8"	2"
RERV-1533 RERV-3045 RERV-3550	RERV1550SMC-ISO	63-1/2"	60"	63-1/2"	60"	28"	4"	28"	28"	3"
RERV-4055 RERV-4567 RERV-5082 RERV-6098 RERV-7011	RERV4011SMC-ISO	81-1/2"	78"	103-1/2"	100"	36"	6"	36"	36"	3"



RERV256-7011SEISMIC-ISO

JUN. 04 / 15

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5188333, 5255887, 2073900.

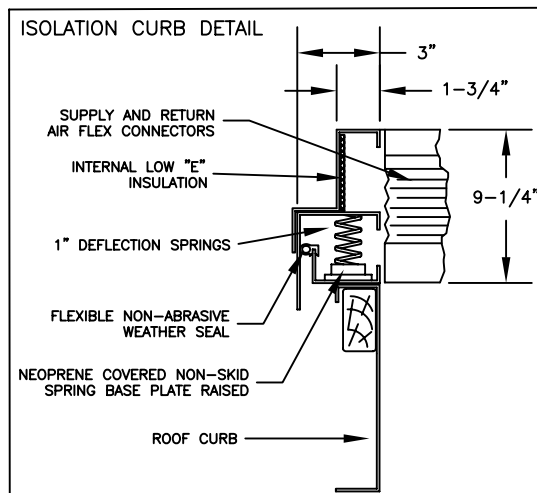


1" DEFLECTION SEISMIC ISOLATION CURB ASSEMBLY MODEL SERIES RERV

FEATURES:

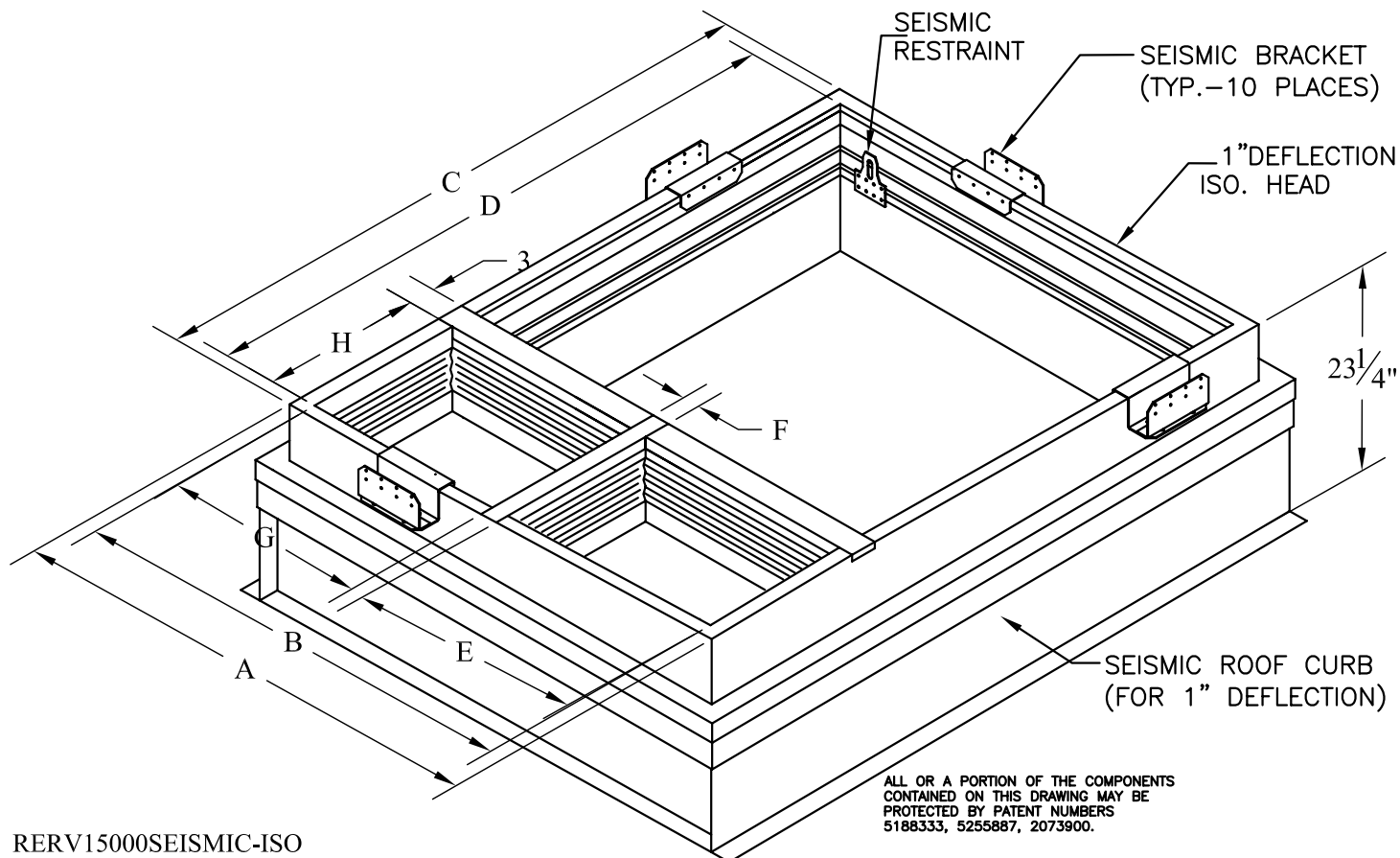
- ONE PIECE FULLY ASSEMBLED CONSTRUCTION
- HEAVY GAUGE STEEL
- MITERED CORNERS, CONTINUOUSLY WELDED TO GUARD AGAINST WATER LEAKAGE
- FLEXIBLE NON-ABRASIVE WEATHER SEAL
- FREE STANDING 1" DEFLECTION SPRINGS WITH LACQUER BASED POLY-VYNYL FINISH
- NEOPRENE COVERED NON-SKID SPRING BASE PLATE WITH RAISED ACOUSTICAL CUP
- SUPPLY AND RETURN AIR OPENING FLEX CONNECTORS

NOTE:-
FOR HORIZONTAL SUPPLY & RETURN ARRANGEMENTS, NO
BRACE PACKAGE /FLEX CONNECTIONS ARE PROVIDED.



DIMENSIONAL DATA

USE FOR UNIT MODEL	SEIS. ISO. CURB PART #	A	B	C	D	E	F	G	H	J
RERV-15000	RERV15000SMC-ISO	102-7/8"	99-3/8"	133-7/8"	130-3/8"	48-13/16"	1-3/4"	48-13/16"	45"	3"



ALL OR A PORTION OF THE COMPONENTS
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PROTECTED BY PATENT NUMBERS
5188333, 5255887, 2073900.

RERV15000SEISMIC-ISO

JUN. 04 / 15

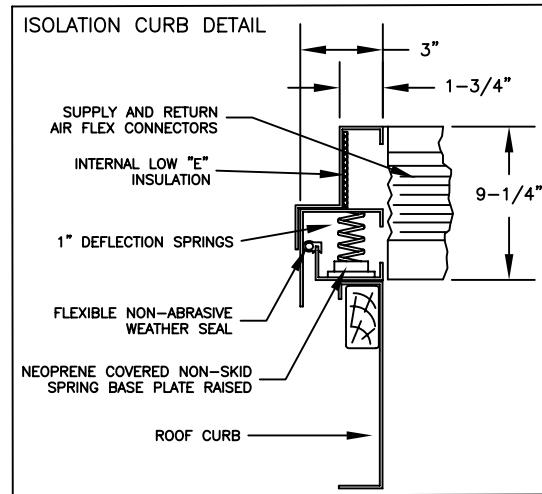


1" DEFLECTION SEISMIC ISOLATION CURB ASSEMBLY MODEL FOR SERIES RERV 20000

FEATURES:

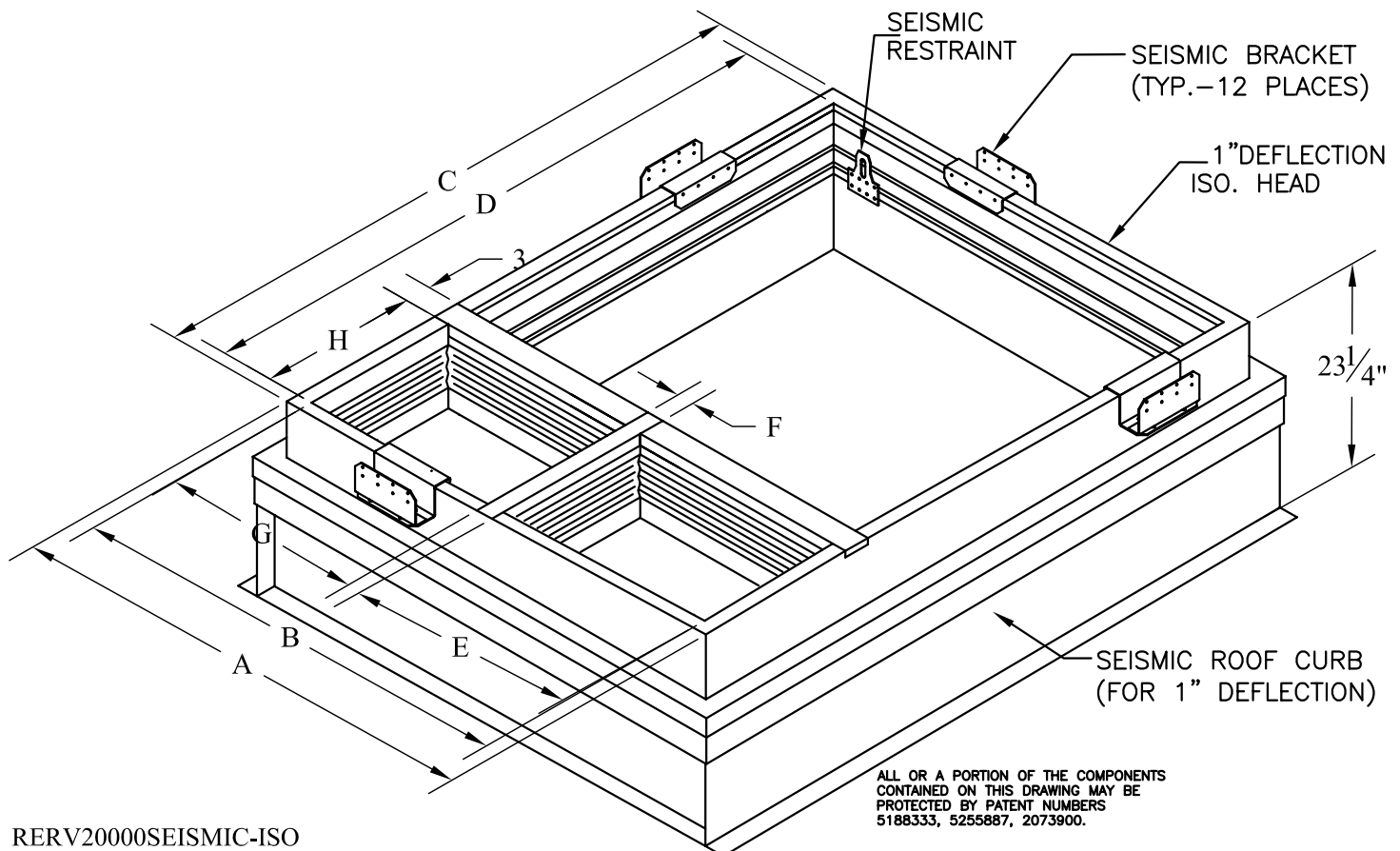
- ONE PIECE FULLY ASSEMBLED CONSTRUCTION
- HEAVY GAUGE STEEL
- MITERED CORNERS, CONTINUOUSLY WELDED TO GUARD AGAINST WATER LEAKAGE
- FLEXIBLE NON-ABRASIVE WEATHER SEAL
- FREE STANDING 1" DEFLECTION SPRINGS WITH LACQUER BASED POLY-VVNYL FINISH
- NEOPRENE COVERED NON-SKID SPRING BASE PLATE WITH RAISED ACOUSTICAL CUP
- SUPPLY AND RETURN AIR OPENING FLEX CONNECTORS

NOTE:-
FOR HORIZONTAL SUPPLY & RETURN ARRANGEMENTS, NO BRACE PACKAGE /FLEX CONNECTIONS ARE PROVIDED.



DIMENSIONAL DATA

USE FOR UNIT MODEL	SEIS. ISO. CURB PART #	A	B	C	D	E	F	G	H	J
RERV-20000	RERV20000SMC-ISO	114-1/8"	110-5/8"	151-1/8"	147-5/8"	54-7/16"	1-3/4"	54-7/16"	50"	3"



ALL OR A PORTION OF THE COMPONENTS
CONTAINED ON THIS DRAWING MAY BE
PROTECTED BY PATENT NUMBERS
5188333, 5255887, 2073900.

RERV20000SEISMIC-ISO
MAR.,23,2015

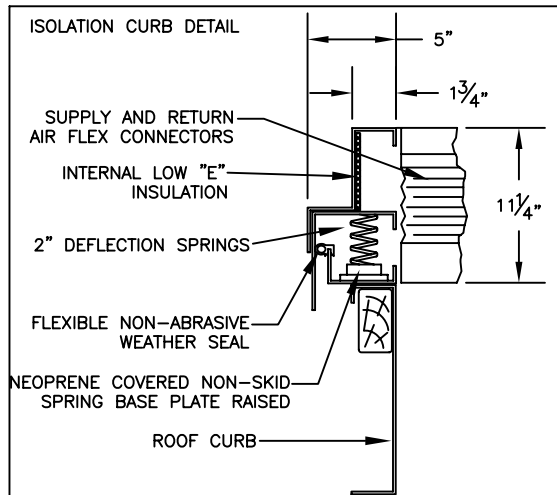


2" DEFLECTION SEISMIC ISOLATION CURB ASSEMBLY MODEL FOR SERIES RERV

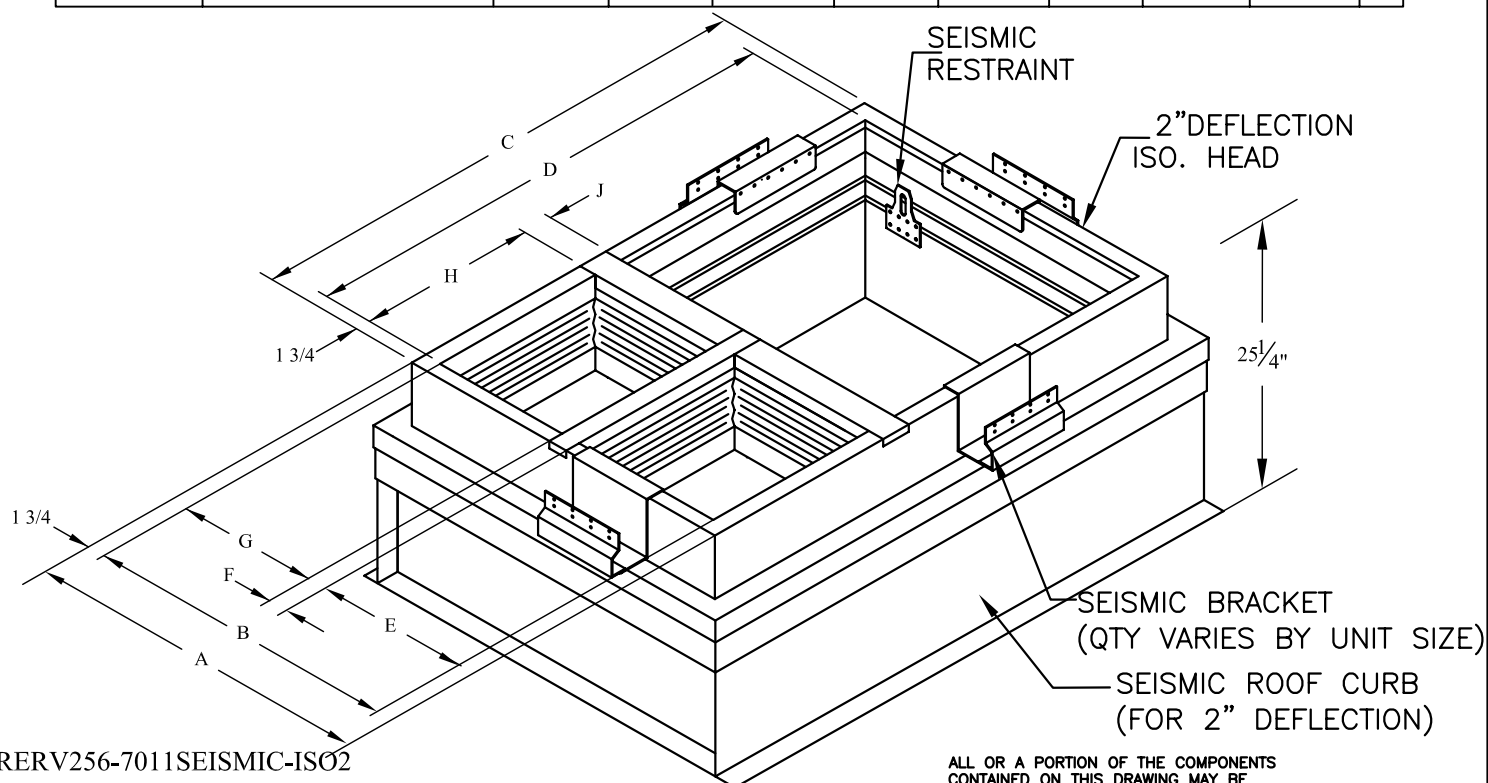
FEATURES:

- ONE PIECE FULLY ASSEMBLED CONSTRUCTION
- HEAVY GAUGE STEEL
- MITERED CORNERS, CONTINUOUSLY WELDED TO GUARD AGAINST WATER LEAKAGE
- FLEXIBLE NON-ABRASIVE WEATHER SEAL
- FREE STANDING 2" DEFLECTION SPRINGS WITH LACQUER BASED POLY-VINYLL FINISH
- NEOPRENE COVERED NON-SKID SPRING BASE PLATE WITH RAISED ACOUSTICAL CUP
- SUPPLY AND RETURN AIR OPENING FLEX CONNECTORS

NOTE:-
FOR HORIZONTAL SUPPLY & RETURN ARRANGEMENTS, NO BRACE PACKAGE /FLEX CONNECTIONS ARE PROVIDED.



DIMENSIONAL DATA										
USE FOR UNIT MODEL	ISO. HEAD PART #	A	B	C	D	E	F	G	H	J
RERV-256 RERV-511 RERV-1019 RERV-1324	RERV2524SMC-ISO2	49-1/2"	46"	49-1/2"	46"	21-1/2"	9-7/8"	14-5/8"	16-7/8"	2"
RERV-1533 RERV-3045 RERV-3550	RERV1550SMC-ISO2	63-1/2"	60"	63-1/2"	60"	28"	4"	28"	28"	3"
RERV-4055 RERV-4567 RERV-5082 RERV-6098 RERV-7011	RERV4011SMC-ISO2	81-1/2"	78"	103-1/2"	100"	36"	6"	36"	36"	3"



RERV256-7011SEISMIC-ISO2

SEP.,06,2016

ALL OR A PORTION OF THE COMPONENTS
CONTAINED ON THIS DRAWING MAY BE
PROTECTED BY PATENT NUMBERS
5188333, 5255887, 2073900.

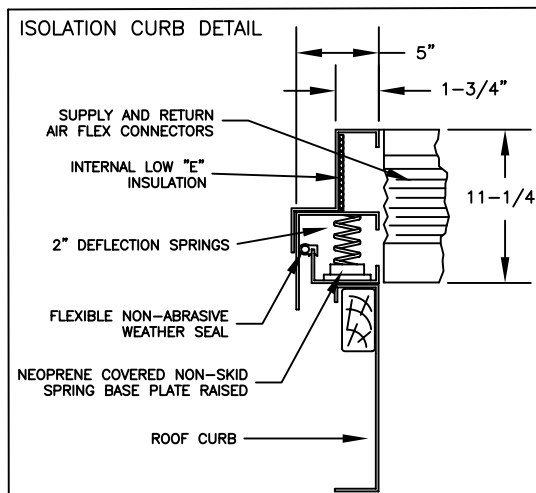


2" DEFLECTION SEISMIC ISOLATION CURB ASSEMBLY MODEL SERIES RERV

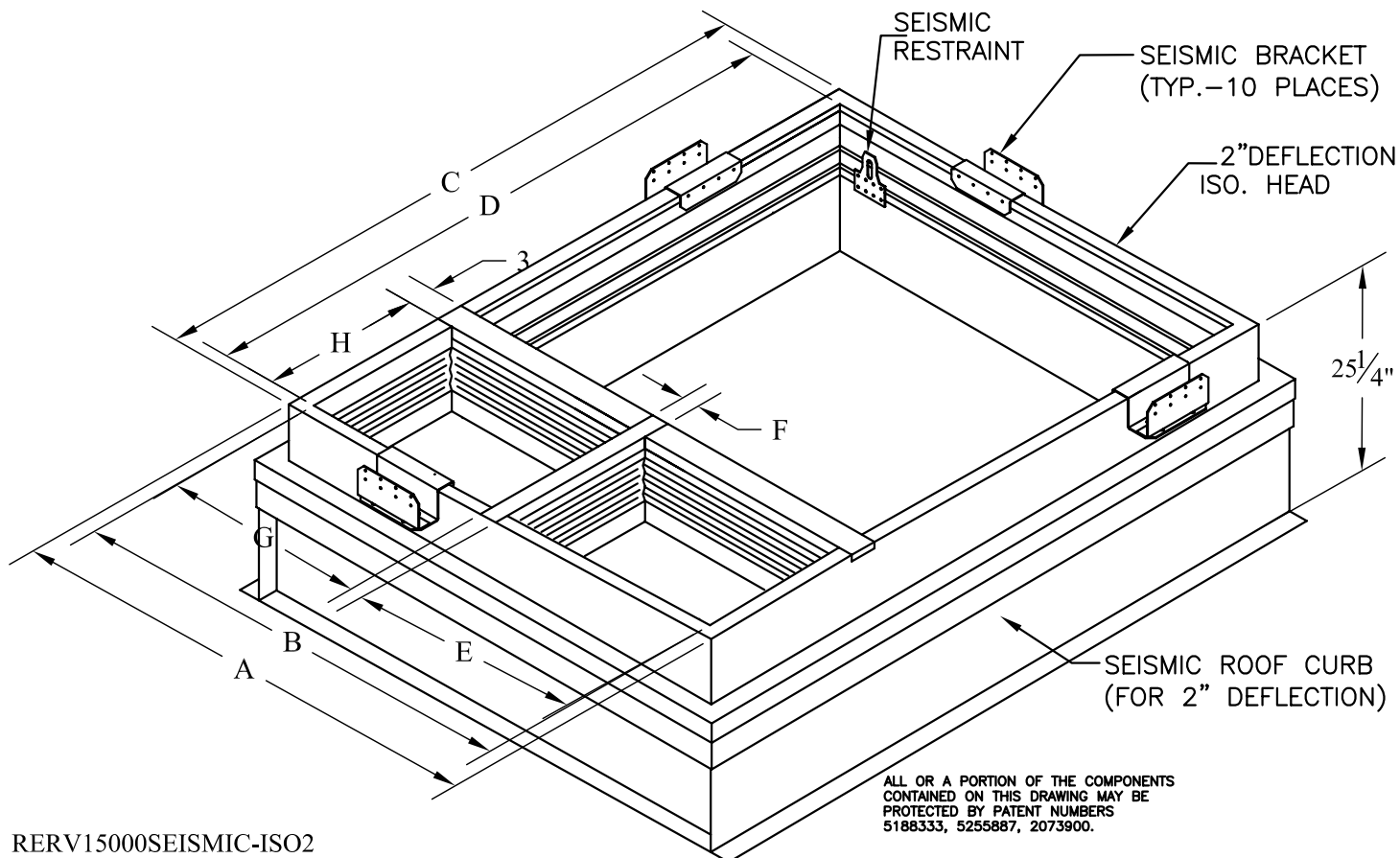
FEATURES:

- ONE PIECE FULLY ASSEMBLED CONSTRUCTION
- HEAVY GAUGE STEEL
- MITERED CORNERS, CONTINUOUSLY WELDED TO GUARD AGAINST WATER LEAKAGE
- FLEXIBLE NON-ABRASIVE WEATHER SEAL
- FREE STANDING 2" DEFLECTION SPRINGS WITH LACQUER BASED POLY-VYNYL FINISH
- NEOPRENE COVERED NON-SKID SPRING BASE PLATE WITH RAISED ACOUSTICAL CUP
- SUPPLY AND RETURN AIR OPENING FLEX CONNECTORS

NOTE:-
FOR HORIZONTAL SUPPLY & RETURN ARRANGEMENTS, NO
BRACE PACKAGE /FLEX CONNECTIONS ARE PROVIDED.



DIMENSIONAL DATA										
USE FOR UNIT MODEL	SEIS. ISO. CURB PART #	A	B	C	D	E	F	G	H	J
RERV-15000	RERV15000SMC-ISO2	102-7/8"	99-3/8"	133-7/8"	130-3/8"	48-13/16"	1-3/4"	48-13/16"	45"	3"



RERV15000SEISMIC-ISO2

JUN., 27, 2016

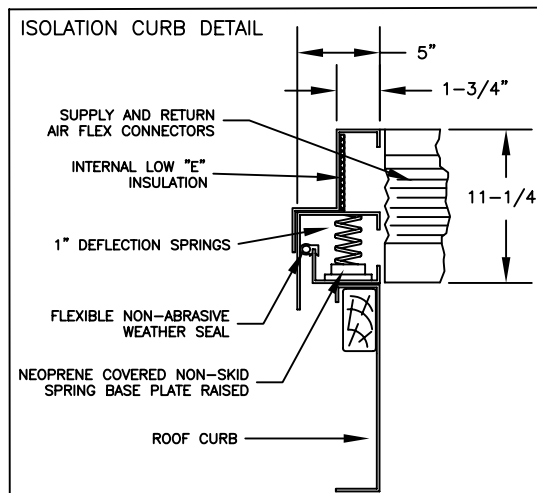


2" DEFLECTION SEISMIC ISOLATION CURB ASSEMBLY MODEL FOR SERIES RERV 20000

FEATURES:

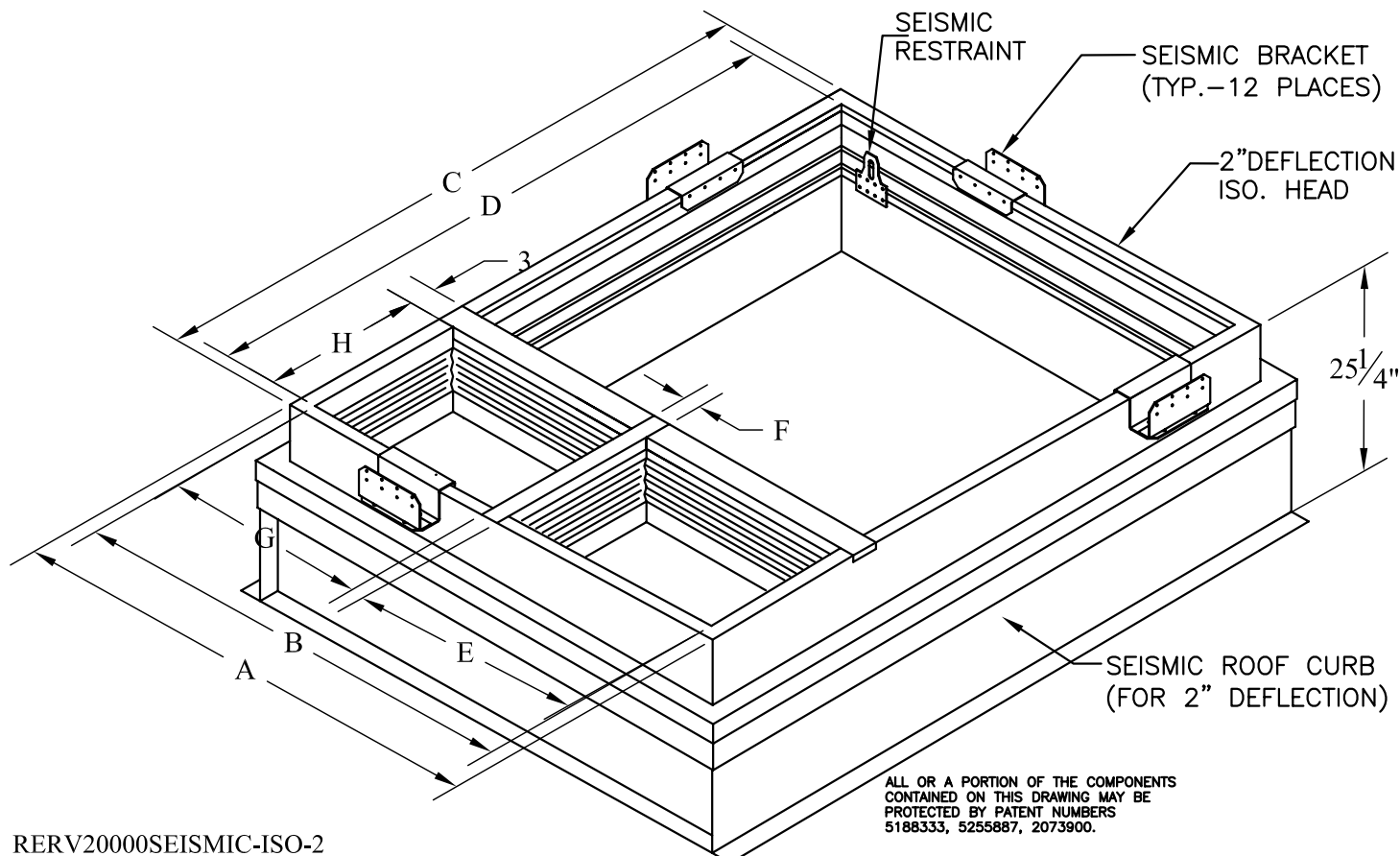
- ONE PIECE FULLY ASSEMBLED CONSTRUCTION
- HEAVY GAUGE STEEL
- MITERED CORNERS, CONTINUOUSLY WELDED TO GUARD AGAINST WATER LEAKAGE
- FLEXIBLE NON-ABRASIVE WEATHER SEAL
- FREE STANDING 2" DEFLECTION SPRINGS WITH LACQUER BASED POLY-VYNYL FINISH
- NEOPRENE COVERED NON-SKID SPRING BASE PLATE WITH RAISED ACOUSTICAL CUP
- SUPPLY AND RETURN AIR OPENING FLEX CONNECTORS

NOTE:-
FOR HORIZONTAL SUPPLY & RETURN ARRANGEMENTS, NO
BRACE PACKAGE /FLEX CONNECTIONS ARE PROVIDED.



DIMENSIONAL DATA

USE FOR UNIT MODEL	SEIS. ISO. CURB PART #	A	B	C	D	E	F	G	H	J
RERV-20000	RERV20000SMC-ISO2	114-1/8"	110-5/8"	151-1/8"	147-5/8"	54-7/16"	1-3/4"	54-7/16"	50"	3"



RERV20000SEISMIC-ISO-2

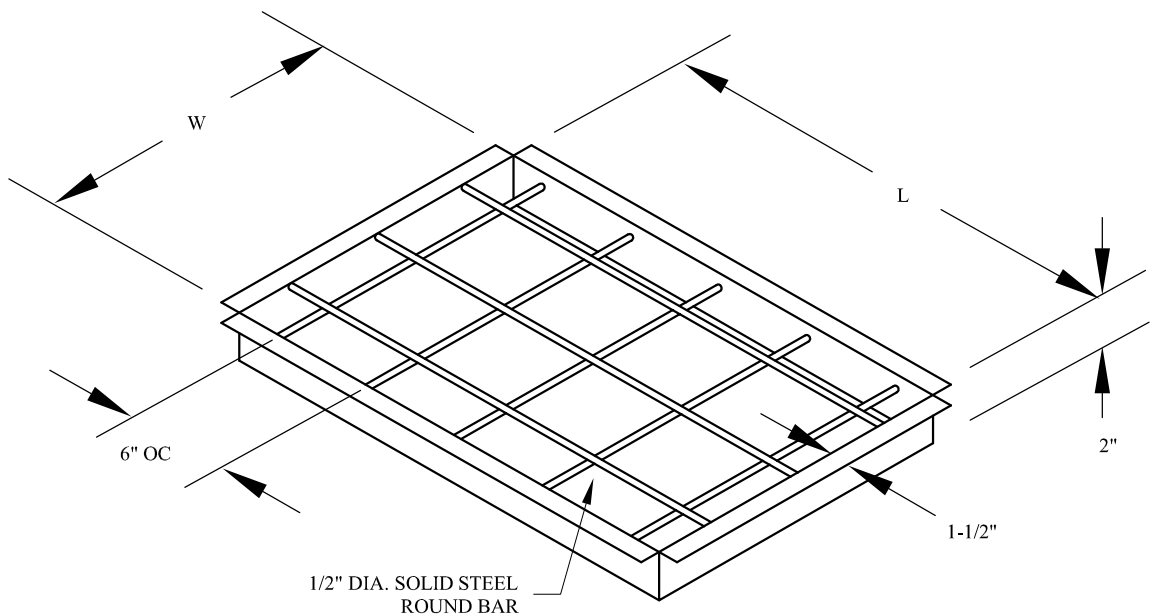
JUN. 04 / 15



BURGLAR BARS MODEL SERIES RERV TO SUIT ARRANGEMENT D/C

FEATURES:

- ONE PIECE FULLY ASSEMBLED CONSTRUCTION
- HEAVY GAUGE STEEL FRAME
- BLACK ENAMEL FINISH
- 1/2" SOLID STEEL ROUND BARS FULLY WELDED AT EACH END AND TO EACH OTHER



CURB #	SPINNAKER PART #	SUPPLY AIR INSIDE		RETURN AIR INSIDE	
		L	W	L	W
RERV-256 RERV-511 RERV-1019 RERV-1324	RERVA-000027A	14-1/8	16-3/8	21	16-3/8
RERV-1533 RERV-3045 RERV-3550	RERVA-000027B	27-1/2	27-1/2	27-1/2	27-1/2
RERV-4055 RERV-4567 RERV-5082 RERV-6098 RERV-7011	RERVA-000027C	35-1/2	35-1/2	35-1/2	35-1/2

RERVA-000027
FEB. 10 / 17



Electrical Data

RERV/RERVX MODEL SERIES

ROTARY ENERGY RECOVERY VENTILATORS

Unit voltages include 115, 208, and 230 single phase and three phase, 460 and 575 three phase. Standard electrical features include fan motor fuses, contactors, and overloads, rotary wheel motor fuses and contactor, control transformer with primary and secondary fuses, and a 24 volt numbered terminal strip for remote wiring connections as required.

The charts below show standard unit minimum circuit ampacities and MCOP ratings. The ampacity values listed below are based on units with the same horse power for the supply and exhaust fan motors. Contact the factory for unit ampacities and MCOP ratings for unit selections of different horse powers.

115/1/60 STANDARD

UNIT MODEL	FAN MOTOR HORSE POWER										
		0.5	0.75	1	1.5	2	3	5	7.5	10	15
RERV-256	MCA	21.8	28.0	34.0							
	MCOP	25	35	40							
RERV-511	MCA	21.8	28.0	34.0	39.5						
	MCOP	25	35	40	45						
RERV-1019	MCA	21.8	28.0	34.0	39.5	50.5					
	MCOP	25	35	40	45	60					

208/1/60 STANDARD

UNIT MODEL	FAN MOTOR HORSE POWER										
		0.5	0.75	1	1.5	2	3	5	7.5	10	15
RERV-256	MCA	11.9	15.2	18.6							
	MCOP	15	20	25							
RERV-511	MCA	11.9	15.2	18.6	22.1						
	MCOP	15	20	25	30						
RERV-1019	MCA	11.9	15.2	18.6	22.1	27.9					
	MCOP	15	20	25	30	35					
RERV-1324	MCA	11.9	15.2	18.6	22.1	27.9					
	MCOP	15	20	25	30	35					
RERV-1533	MCA	13.3	16.6	19.9	23.5	29.0					
	MCOP	20	25	25	30	35					
RERV-3045	MCA				23.5	29.0					
	MCOP				30	35					
RERV-3550	MCA				23.5	29.0					
	MCOP				30	35					
RERV-4055	MCA				25.15	30.67					
	MCOP				30	35					
RERV-4567	MCA				25.15	30.6					
	MCOP				30	35					
RERV-5082	MCA				26.82	32.4					
	MCOP				35	40					



Electrical Data
RERV/RERVX MODEL SERIES
 ROTARY ENERGY RECOVERY
 VENTILATORS

**230/1/60
 STANDARD**

UNIT MODEL	FAN MOTOR HORSE POWER										
		0.5	0.75	1	1.5	2	3	5	7.5	10	15
RERV-256	MCA	11.0	14.0	17.0							
	MCOP	15	20	25							
RERV-511	MCA	11.0	14.0	17.0	19.75						
	MCOP	15	20	25	25						
RERV-1019	MCA	11.0	14.0	17.0	19.8	25.3					
	MCOP	15	20	25	25	30					
RERV-1324	MCA	11.0	14.0	17.0	19.8	25.3					
	MCOP	15	20	25	25	30					
RERV-1533	MCA	12.0	15.0	18.0	20.8	26.3					
	MCOP	15	20	25	25	30					
RERV-3045	MCA				20.8	26.3					
	MCOP				25	30					
RERV-3550	MCA				20.8	26.3					
	MCOP				25	30					
RERV-4055	MCA				22.3	27.8					
	MCOP				30	35					
RERV-4567	MCA				22.3	27.8					
	MCOP				30	35					
RERV-5082	MCA				23.4	29.3					
	MCOP				30	35					



Electrical Data

RERV/RERVX MODEL SERIES

ROTARY ENERGY RECOVERY VENTILATORS

208/3/60 STANDARD

UNIT MODEL	FAN MOTOR HORSE POWER												
		0.5	0.75	1	1.5	2	3	5	7.5	10	15	20	25
RERV-256	MCA	12.5	14	18									
	MCOP	20	20	25									
RERV-511	MCA	12.5	14	18	21.2								
	MCOP	20	20	25	30								
RERV-1019	MCA	12.5	14	18	21.2	24							
	MCOP	20	20	25	30	30							
RERV-1324	MCA	11.8	13.3	17.3	20.6	23.3	29.3						
	MCOP	20	20	25	30	30	40						
RERV-1533	MCA	11.8	13.3	17.3	20.6	23.3	29.3						
	MCOP	20	20	25	30	30	40						
RERV-3045	MCA				20.6	23.3	29.3	41.6					
	MCOP				30	30	40	55					
RERV-3550	MCA				20.6	23.3	29.3	41.6	56.7				
	MCOP				30	30	40	55	75				
RERV-4055	MCA				23.8	26.6	32.6	44.8					
	MCOP				30	35	40	60					
RERV-4567	MCA				23.8	26.6	32.6	44.8	64.6				
	MCOP				30	35	40	60	85				
RERV-5082	MCA				23.8	26.6	32.6	44.8	64.6				
	MCOP				30	35	40	60	85				
RERV-6098	MCA						32.1	44.3	64.1	80.3			
	MCOP						40	60	85	100			
RERV-7011	MCA						32.1	44.3	64.1	80.3	107.8		
	MCOP						40	60	85	100	135		
RERV-15000	MCA								64.1	80.3	107.8	135.5	
	MCOP								85	100	135	160	
RERV-20000	MCA									80.3	107.8	135.5	168.7
	MCOP									100	135	160	200



Electrical Data

RERV/RERVX MODEL SERIES

ROTARY ENERGY RECOVERY VENTILATORS

230/3/60 STANDARD

UNIT MODEL	FAN MOTOR HORSE POWER												
		0.5	0.75	1	1.5	2	3	5	7.5	10	15	20	25
RERV-256	MCA	11.2	12.7	16.2									
	MCOP	15	15	20									
RERV-511	MCA	11.2	12.7	16.2	19.2								
	MCOP	15	15	20	25								
RERV-1019	MCA	11.2	12.7	16.2	19.2	21.7							
	MCOP	15	15	20	25	30							
RERV-1324	MCA	10.6	12.1	15.6	18.6	21.1	26.6						
	MCOP	15	15	20	25	30	35						
RERV-1533	MCA	10.6	12.1	15.6	18.6	21.1	26.6						
	MCOP	15	15	20	25	30	35						
RERV-3045	MCA				18.6	21.1	26.6	37.6					
	MCOP				25	30	35	50					
RERV-3550	MCA				18.6	21.1	26.6	37.6	52.3				
	MCOP				25	30	35	50	70				
RERV-4055	MCA				21.6	24.1	29.6	40.6					
	MCOP				30	30	40	50					
RERV-4567	MCA				21.6	24.1	29.6	40.6	58.6				
	MCOP				30	30	40	50	75				
RERV-5082	MCA				21.6	24.1	29.6	40.6	58.6				
	MCOP				30	30	40	50	75				
RERV-6098	MCA						29.1	40.1	58.1	72.6			
	MCOP						40	50	75	100			
RERV-7011	MCA						29.1	40.1	58.1	72.6	97.6		
	MCOP						40	50	75	100	125		
RERV-15000	MCA								58.1	72.6	97.6	124.3	
	MCOP								75	100	125	150	
RERV-20000	MCA									72.6	97.6	124.3	153.8
	MCOP									100	125	150	175



Electrical Data
RERV/RERVX MODEL SERIES
 ROTARY ENERGY RECOVERY
 VENTILATORS

460/3/60
STANDARD

UNIT MODEL	FAN MOTOR HORSE POWER												
		0.5	0.75	1	1.5	2	3	5	7.5	10	15	20	25
RERV-256	MCA	4.4	5.2	6.9									
	MCOP	6	7	9									
RERV-511	MCA	4.4	5.2	6.9	8.4								
	MCOP	6	7	9	12								
RERV-1019	MCA	4.4	5.2	6.9	8.4	9.7							
	MCOP	6	7	9	12	15							
RERV-1324	MCA	5	5.8	7.5	9	10.3	13						
	MCOP	7	8	10	12	15	20						
RERV-1533	MCA	5	5.8	7.5	9	10.3	13						
	MCOP	7	8	10	12	15	20						
RERV-3045	MCA				9	10.3	13	18.5					
	MCOP				12	15	20	25					
RERV-3550	MCA				9.3	10.5	13.3	18.8	27.8				
	MCOP				12	15	20	25	35				
RERV-4055	MCA				9.3	10.5	13.3	18.8					
	MCOP				12	15	20	25					
RERV-4567	MCA				9.3	10.5	13.3	18.8	27.8				
	MCOP				12	15	20	25	35				
RERV-5082	MCA				9.3	10.5	13.3	18.8	27.8				
	MCOP				12	15	20	25	35				
RERV-6098	MCA						13.7	19.2	28.2	35.4			
	MCOP						20	25	35	45			
RERV-7011	MCA						13.7	19.2	28.2	35.4	47.9		
	MCOP						20	25	35	45	60		
RERV-15000	MCA								31.2	39.2	51.9	65.4	
	MCOP								40	50	65	80	
RERV-20000	MCA									39.2	51.9	65.4	80.4
	MCOP									50	65	80	100



Electrical Data

RERV/RERVX MODEL SERIES

ROTARY ENERGY RECOVERY VENTILATORS

575/3/60 STANDARD

UNIT MODEL	FAN MOTOR HORSE POWER												
		0.5	0.75	1	1.5	2	3	5	7.5	10	15	20	25
RERV-256	MCA	3.4	3.9	5.7									
	MCOP	7	6	8									
RERV-511	MCA	3.4	3.9	5.7	6.7								
	MCOP	7	6	8	10								
RERV-1019	MCA	3.4	3.9	5.7	6.7	7.7							
	MCOP	7	6	8	10	10							
RERV-1324	MCA	3.8	4.3	6.1	7.1	8.1	10.3						
	MCOP	7	6	9	10	12	15						
RERV-1533	MCA	3.8	4.3	6.1	7.1	8.1	10.3						
	MCOP	7	6	9	10	12	15						
RERV-3045	MCA				7.1	8.1	10.3	14.8					
	MCOP				10	12	15	20					
RERV-3550	MCA				7.3	8.3	10.6	15.1	22.7				
	MCOP				10	12	15	20	30				
RERV-4055	MCA				7.3	8.3	10.6	15.1					
	MCOP				10	12	15	20					
RERV-4567	MCA				7.3	8.3	10.6	15.1	22.3				
	MCOP				10	12	15	20	30				
RERV-5082	MCA				7.3	8.3	10.6	15.1	22.3				
	MCOP				10	12	15	20	30				
RERV-6098	MCA						10.9	15.4	22.7	28.4			
	MCOP						15	20	30	35			
RERV-7011	MCA						10.9	15.4	22.7	28.4	38.4		
	MCOP						15	20	30	35	50		
RERV-15000	MCA								26.4	32.6	42.9	53.9	
	MCOP								35	40	50	65	
RERV-20000	MCA									32.6	42.9	53.9	65.1
	MCOP									40	50	65	75



Electrical Data

RERV/RERVX MODEL SERIES

ROTARY ENERGY RECOVERY VENTILATORS

208/3/60

UNITS WITH ELECTRIC PRE-HEAT

UNIT MODEL	PRE-HEAT KW		FAN MOTOR HORSE POWER											
			0.5	0.75	1	1.5	2	3	5	7.5	10	15	20	25
RERV-256	5	MCA	33.3	34.8	38.8									
		MCOP	40	45	50									
RERV-511	5	MCA	33.3	34.8	38.8	42								
		MCOP	40	45	50	50								
RERV-1019	12	MCA	54.1	55.6	59.6	62.9	65.6							
		MCOP	70	70	75	80	80							
RERV-1324	12	MCA	53.5	55	59	62.3	65	71						
		MCOP	70	70	75	80	80	90						
RERV-1533	15	MCA	63.9	65.4	69.4	72.7	75.4	81.4						
		MCOP	80	80	90	90	90	100						
RERV-3045	20	MCA				90.1	92.8	98.8	111.1					
		MCOP				110	125	125	125					
RERV-3550	25	MCA				107.5	110.2	116.2	128.5	129.5				
		MCOP				125	125	150	150	150				
RERV-4055	25	MCA				110.7	113.5	119.5	131.7					
		MCOP				125	150	150	175					
RERV-4567	35	MCA				145.5	148.3	154.3	166	186.3				
		MCOP				175	175	200	200	250				
RERV-5082	40	MCA				162.4	165.2	171.2	183.4	203.2				
		MCOP				200	200	225	225	250				
RERV-6098	50	MCA						205.8	218	237.8	254			
		MCOP						250	300	300	300			
RERV-7011	55	MCA						223.3	235.5	255.3	271.5	299		
		MCOP						300	300	300	350	350		
RERV-15000	70	MCA								303.3	320.3	348.3	378	
		MCOP								350	400	450	450	
RERV-20000	95	MCA									407.9	436.3	465.6	498.9
		MCOP									500	500	600	600

Important Note : KW values listed may vary based on design conditions and project location . Contact the factory for additional information .



Electrical Data

RERV/RERVX MODEL SERIES

ROTARY ENERGY RECOVERY VENTILATORS

230/3/60

UNITS WITH ELECTRIC PRE-HEAT

UNIT MODEL	PRE-HEAT KW	FAN MOTOR HORSE POWER												
			0.5	0.75	1	1.5	2	3	5	7.5	10	15	20	25
RERV-256	5	MCA	30	31.6	35.1									
		MCOP	40	40	45									
RERV-511	5	MCA	30	31.6	35.1	38.2								
		MCOP	40	40	45	50								
RERV-1019	12	MCA	48.9	50.4	53.9	56.9	59.4							
		MCOP	60	60	75	70	75							
RERV-1324	12	MCA	48.3	49.8	53.3	56.3	58.8	64.3						
		MCOP	60	60	70	70	75	80						
RERV-1533	15	MCA	57.7	59.2	62.7	65.7	68.2	73.7						
		MCOP	70	75	75	80	90	90						
RERV-3045	20	MCA				81.4	83.9	89.4	100.4					
		MCOP				100	100	110	125					
RERV-3550	25	MCA				97	99.5	105	116	130.7				
		MCOP				125	125	125	125	150				
RERV-4055	25	MCA				100	102.5	108	119					
		MCOP				125	125	125	150					
RERV-4567	35	MCA				131.6	134.1	139.6	150.6	168.6				
		MCOP				150	150	150	175	200				
RERV-5082	40	MCA				147.2	149.7	155.2	166.2	184.2				
		MCOP				175	175	175	200	225				
RERV-6098	50	MCA						186.2	197.2	215.2	229.7			
		MCOP						225	225	250	250			
RERV-7011	55	MCA						202	213	231.1	245.5	270.5		
		MCOP						250	250	250	300	350		
RERV-15000	70	MCA								275.7	291.7	317.2	344.2	
		MCOP								350	350	350	400	
RERV-20000	95	MCA									369.6	395.4	422.4	452.4
		MCOP									450	450	500	500

Important Note : KW values listed may vary based on design conditions and project location . Contact the factory for additional information .



Electrical Data

RERV/RERVX MODEL SERIES

ROTARY ENERGY RECOVERY VENTILATORS

460/3/60

UNITS WITH ELECTRIC PRE-HEAT

UNIT MODEL	PRE-HEAT KW	FAN MOTOR HORSE POWER												
			0.5	0.75	1	1.5	2	3	5	7.5	10	15	20	25
RERV-256	5	MCA	13.8	14.6	16.3									
		MCOP	17.5	20	20									
RERV-511	5	MCA	13.8	14.6	16.3	17.8								
		MCOP	17.5	20	20	25								
RERV-1019	12	MCA	23.3	24	25.8	27.3	28.5							
		MCOP	30	30	30	35	35							
RERV-1324	12	MCA	23.9	24.6	26.4	27.9	29.1	31.9						
		MCOP	30	30	30	35	35	40						
RERV-1533	15	MCA	28.6	29.4	31.1	32.6	33.9	36.6						
		MCOP	35	35	40	40	40	45						
RERV-3045	20	MCA				40.5	41.7	44.5	50					
		MCOP				50	50	60	60					
RERV-3550	25	MCA				48.5	49.8	52.5	58	66.9				
		MCOP				60	60	70	70	75				
RERV-4055	25	MCA				40.7	42	44.7	50.2					
		MCOP				50	50	60	60					
RERV-4567	35	MCA				64.3	65.6	68.3	73.8	82.8				
		MCOP				80	80	80	90	100				
RERV-5082	40	MCA				72.2	73.5	76.2	81.7	90.7				
		MCOP				90	90	90	100	110				
RERV-6098	50	MCA						92.2	97.7	106.7	114			
		MCOP						110	125	125	125			
RERV-7011	55	MCA						100.1	105.6	114.6	121.9	134.4		
		MCOP						125	125	125	150	150		
RERV-15000	70	MCA								141.1	149.1	161.9	175.4	
		MCOP								200	200	200	225	
RERV-20000	95	MCA									188.4	201.2	214.7	229.7
		MCOP									225	250	250	250

Important Note : KW values listed may vary based on design conditions and project location . Contact the factory for additional information .



Electrical Data

RERV/RERVX MODEL SERIES

ROTARY ENERGY RECOVERY VENTILATORS

575/3/60

UNITS WITH ELECTRIC PRE-HEAT

UNIT MODEL	PRE-HEAT KW	FAN MOTOR HORSE POWER												
			0.5	0.75	1	1.5	2	3	5	7.5	10	15	20	25
RERV-256	5	MCA	10.9	11.4	13.2									
		MCOP	15	15	17.5									
RERV-511	5	MCA	10.9	11.4	13.2	14.2								
		MCOP	15	15	17.5	17.5								
RERV-1019	12	MCA	18.5	19	20.8	21.8	22.8							
		MCOP	25	25	25	25	30							
RERV-1324	12	MCA	18.9	19.4	21.1	22.1	23.1	25.4						
		MCOP	25	25	25	30	30	30						
RERV-1533	15	MCA	22.7	23.2	24.9	25.9	26.9	29.2						
		MCOP	30	30	30	30	30	35						
RERV-3045	20	MCA				32.2	33.2	35.4	39.9					
		MCOP				40	40	45	50					
RERV-3550	25	MCA				38.7	39.7	42	46.5	54.3				
		MCOP				50	50	50	60	70				
RERV-4055	25	MCA				38.7	39.7	42	46.5					
		MCOP				50	50	50	60					
RERV-4567	35	MCA				51.3	52.3	54.6	59.1	66.3				
		MCOP				60	60	70	75	80				
RERV-5082	40	MCA				57.5	58.5	60.8	65.3	72.5				
		MCOP				70	70	75	80	90				
RERV-6098	50	MCA						73.8	78.3	85.5	91.3			
		MCOP						90	100	100	110			
RERV-7011	55	MCA						80.1	84.6	91.8	97.6	107.6		
		MCOP						100	100	110	125	125		
RERV-15000	70	MCA								114.4	120.6	130.9	141.9	
		MCOP								150	150	150	175	
RERV-20000	95	MCA									152	162.3	173.3	184.5
		MCOP									175	200	200	250

Important Note : KW values listed may vary based on design conditions and project location . Contact the factory for additional information .



RERV / RERVX Limited Warranty

COVERAGE AND TERMS

RERV / RERVX Model Series units and all accessories as manufactured by Spinnaker Industries, are warranted to the original buyer to be free from defects in materials or workmanship provided they have been installed and maintained in accordance with instructions and operated under normal conditions. Spinnaker Industries sole obligation under this Limited Warranty is to repair or replace, at its opinion, free of charge to the customer (except as provided below), FOB factory, any part determined by Spinnaker Industries (in its sole discretion) to be defective. Warranty terms from original ship date are as follows:

- Energy recovery wheel assembly
(excluding drive belts, seals, and motors).....5 Year
- Recovery wheel belts, seals, and motors.....2 Year
- All other components and products.....1 Year

EXCLUSIONS

Spinnaker Industries Limited Warranty does not cover defects, reduced performance, or failure caused, directly or indirectly, by improper installation, abuse, misuse, misapplication, improper maintenance, lack of maintenance, negligence, accident, or normal deterioration, including wear and tear. This Limited Warranty shall not apply to items that require replacement due to normal wear i.e. fan drive belts, filters, etc., or to failures, defects, or reduced performance resulting, directly or indirectly, from use of its products exposed to corrosive gasses or liquids. **Warranty claims that are not supported with a copy of the original start up report will not be considered.**

Spinnaker Industries Limited Warranty does not include costs for transportation (including, without limitation, freight and return freight charges, costs, and insurance), costs for removal or re-installation of parts or equipment, cranes and hoisting, premiums for overtime, labor for performing repairs or replacement made in the field, roofing contractors or any other sub trades. Spinnaker Industries is not responsible for damages occurring during transport of any product to or from its facilities.

RETURN PROCEDURE

To return defective parts under these warranty terms, please contact Spinnaker Industries at 1-800-932-6210 to confirm the ship to address. The serial number located on the rating label of the unit must be provided so that the original ship date of the unit can be verified. All defective parts must be authorized for return and shipped pre-paid to Spinnaker Industries for inspection. A purchase order must be received prior to shipment of repaired or replacement parts. Repaired or replacement parts will be invoiced and shipped collect FOB Factory. A credit will be issued only if the defective parts are deemed the responsibility of Spinnaker Industries. Spinnaker Industries is not responsible for any damage or loss occurring during shipment to or from Spinnaker Industries.

THE OBLIGATION AND LIABILITY OF Spinnaker Industries UNDER THIS LIMITED WARRANTY DOES NOT INCLUDE LOSSES, DIRECT OR INDIRECT, FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. THIS LIMITED WARRANTY IS PROVIDED EXCLUSIVELY TO THE ORIGINAL BUYER OF PRODUCTS AND MAY NOT BE ASSIGNED OR OTHERWISE TRANSFERRED.

THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF.