62DA,DB,DC,DD,DE,DF07-38

DEDICATED VERTICAL OR HORIZONTAL 100% OUTDOOR AIR UNIT

— PERFORMANCE DATA
— UNIT DIMENSION PRINTS
— ACCESSORY DIMENSION PRINTS

Form 62D-3SB Replaces: 62D-2SB Printed in U.S.A. 10-11 Catalog No. 04-51620003-01

Date:	Supersedes:	**62DA,DB,DC,DD,DE,DF07-38 DEDICATED VERTICAL OR HORIZONTAL 100% OUTDOOR AIR UNIT**	62DA,DB,DC,DD, DE,DF	Rev.: -3SB
JOB NAME:		LOCATION:		
BUYER:		BUYER P.O. #	CARRIER #	
UNIT NUMBER:		MODEL NUMBER:		
PERFORMANCE DATA CERTIFIED BY:			DATE:	

DESCRIPTION

All Carrier 62DA, DB, DC, DD, DE, DF dedicated outdoor air products are pre-wired, charged with R-410A, and tested in both cooling and heating modes at the factory. All 62DA, DB, DC, DD, DE ,DF units feature an industrial grade cabinet with fully hinged access panels. Superior supply fan performance with up to 3.5 in. wg external static pressure is standard.

The 62D Series units are available in dedicated vertical or horizontal supply configurations. The 62DC,DD,DE,DF units are also available with an energy recovery wheel or exhaust. A wide variety of heating options are available. All 62D Series units come standard with microprocessor control.

STANDARD UNIT — FEATURES

PERFORMANCE FEATURES

Puron® HFC refrigerant (R-410A).

High-efficiency scroll compressors.

Thermostatic expansion valve (TXV) refrigerant metering device for each circuit.

Two-stage cooling on sizes 07, 08, 09 units, three or more stages on sizes 12 to 38.

Hot gas bypass.

Cooling operation range up to 115 F ambient and down to 35 F ambient.

24-volt control circuit.

Rubber fan vibration isolators.

Double wall design.

Sloped, insulated, stainless steel condensate pan.

Two-inch disposable-type air filters (optional 4-in. available).

Fixed speed belt-type blower drive.

High-efficiency motors meet EISA (5 HP and larger).

Two-position outside-air damper is standard, on 100% OA units capable of admitting 100% outdoor air during fan operation, closed when the fan is off.

Modulating economizer is standard on recirculating units.

Rated in accordance with AHRI Standard 210 or 360.

Tested in accordance with UL Standard 1995.

Listed by ETL and ETL, Canada.

Microprocessor control with:

- Occupancy schedule
- Password protection
- Service diagnostics
- Alarms and alarm history
- Short-cycle compressor protection
- Support of communication with BACnet* and Modbus† protocols
- Remote start/stop capability

MAINTENANCE FEATURES

Large hinged service access doors.

Slide out fan system.

INSTALLATION FEATURES

Single point electrical service entry, through unit bottom or side.

Rigging openings in base rail.

RELIABILITY FEATURES

Dual electrically and mechanically independent refrigeration circuits (Sizes 12 to 38).

Crankcase heaters are standard on all models.

Compressor protection includes high and low pressure switches.

Freeze protection.

Liquid line filter driers.

Circuit breaker protection for all power components.

Cabinet made of pre-painted, galvanized steel with baked enamel finish, which meets ASTM B117 salt spray resistance.

Condenser-fan motors are open drip proof, with internal protection.

GAS HEATING SYSTEM FEATURES

Stainless steel heat exchanger.

Induced draft combination for safety and reliability.

Two-stage gas valves with redundant 100% shutoff.

Direct spark ignition.

STANDARD WARRANTY

Standard one-year warranty.

Five-year non pro-rated warranty on heat exchanger.

* Sponsored by ASHRAE (American Society of Heating, Refrigerating, and Air Conditioning Engineers).

† Registered trademark of Schneider Electric.

PERFORMANCE DATA

Supply Air _____ cfm _____ ESP
Exhaust Air _____ cfm _____ ESP

COOLING COIL

Entering Air _____ db F _____ wb F
Total Capacity _____ Btuh
Sensible Capacity _____ Btuh
Latent Capacity _____ Btuh
Leaving Air _____ db F _____ wb F
Liquid Subcooling Circuits _____
Liquid Subcooling Rise (Max) _____ F
Leaving Subcooling Coil Temperature _____ db F
Hot Gas Reheat Circuits _____
Hot Gas Reheat Capacity _____ Btuh
Hot Gas Reheat Rise (Max) _____ F
Hot Gas Reheat Leaving Air Temperature _____ db F
Unit Power Consumption _____ kW
Unit Efficiency _____ EER

OPTIONAL ENERGY CONSERVATION WHEEL

SUMMER CONDITIONS
Entering Air _____ db F _____ wb F
Return Air _____ db F _____ wb F
Total Capacity _____ Btuh
Sensible Capacity _____ Btuh

WINTER CONDITIONS
Entering Air _____ db F _____ wb F
Return Air _____ db F _____ wb F
Total Capacity _____ Btuh
Sensible Capacity _____ Btuh

OPTIONAL GAS HEAT

Input _____ Btuh
Output _____ Btuh
Total Temperature Rise _____ F
Entering-Air Temperature _____ F
Leaving-Air Temperature _____ F

OPTIONAL ELECTRIC HEAT

Total Heating Capacity _____ kW
Heat Output _____ Btuh
Total Temperature Rise _____ F
Entering-Air Temperature _____ F
Leaving-Air Temperature _____ F

OPTIONAL HOT WATER HEATING COIL

Fluid Type _____
Flow _____ Gpm
Total Heating Capacity _____ Btuh
Entering Water Temperature _____ F
Leaving Water Temperature _____ F
Total Temperature Rise _____ F
Entering-Air Temperature _____ F
Leaving-Air Temperature _____ F

OPTIONAL STEAM HEATING COIL

Steam Pressure _____ psi
Condensate Flow _____ lb/hr
Total Heating Capacity _____ Btuh
Total Temperature Rise _____ F
Entering-Air Temperature _____ F
Leaving-Air Temperature _____ F

ELECTRICAL DATA

Power Supply to Unit _____ Volts _____ Phase _____ Hz
Minimum Circuit Amps _____ Maximum Overcurrent Protection _____

SUBMITTAL DATA

Job Name _____
Architect _____
Engineer _____
Contractor _____
Unit Designation _____

OPTIONS AND ACCESSORIES

FACTORY-INSTALLED OPTIONS

- ☐ Gas Heat
- ☐ Gas Heat with Space Temperature Override
- ☐ Electric Heat
- ☐ Hot Water Heating Coil
- ☐ Steam Heating Coil
- ☐ Energy Conservation Wheel
- ☐ Energy Conservation Wheel with VFD Defrost Control
- ☐ Energy Conservation Wheel with Return Air Bypass
- ☐ Filter Status Switch
- ☐ Phase/Voltage Monitor with Energy Management Relay
- ☐ Firestat
- ☐ VFD on IFM
- ☐ VFD on PE motor
- ☐ Convenience Outlet
- ☐ Disconnect Switch
- ☐ Hot Gas Reheat Coil
- ☐ Liquid Subcooling Coil
- ☐ Coated Coils
- ☐ 4-in. MERV 8 Filters
- ☐ 4-in. MERV 11 Filters
- ☐ 4-in. MERV 15 Filters
- ☐ 2-in. Metal Mesh Filters
- ☐ Backward Inclined Supply Fan
- ☐ Forward Curved Exhaust Fan
- ☐ Backward Curve Fan
- ☐ Airfoil Fan
- ☐ LonWorks* Communication
- ☐ Digital Compressor
- ☐ Return Air Smoke Detector
- ☐ CO_2 Sensor

FIELD-INSTALLED ACCESSORIES

- ☐ Roof Curb (14 in.)
- ☐ Roof Curb (24 in.)
- ☐ BACview Handheld Keypad Display

OTHER SPECIAL ITEMS

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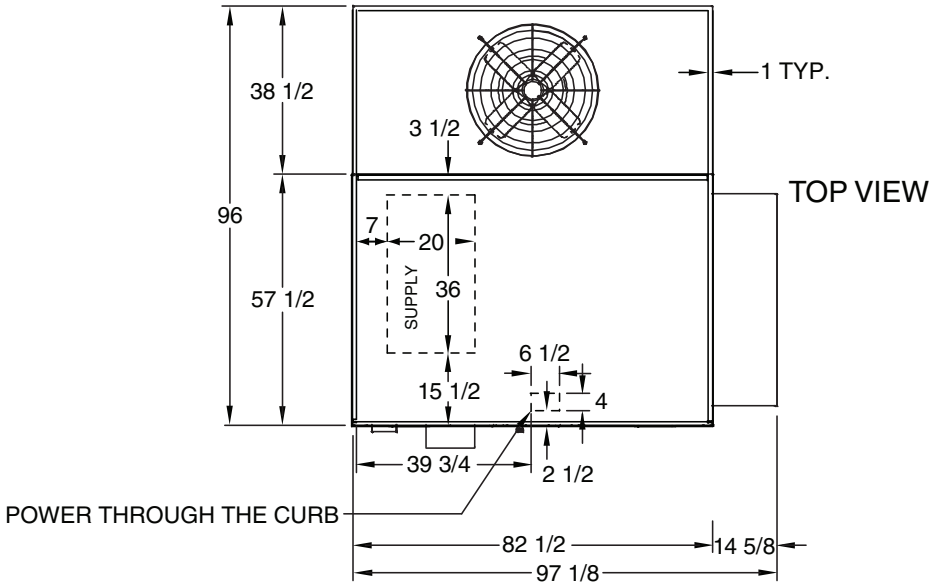
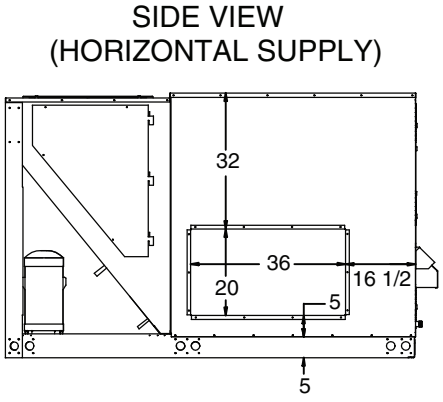
* Registered trademark of Echelon Corporation.

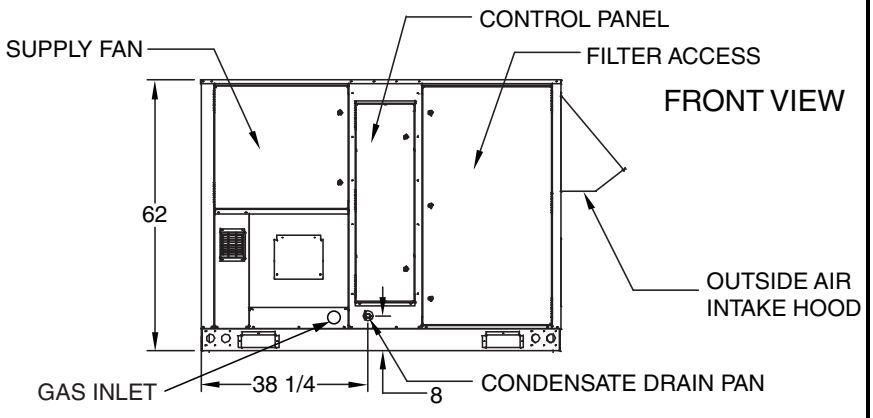
CUT ALONG DOTTED LINE

CUT ALONG DOTTED LINE

UNIT DIMENSION PRINT — 62DA,DB07-09 STANDARD UNIT

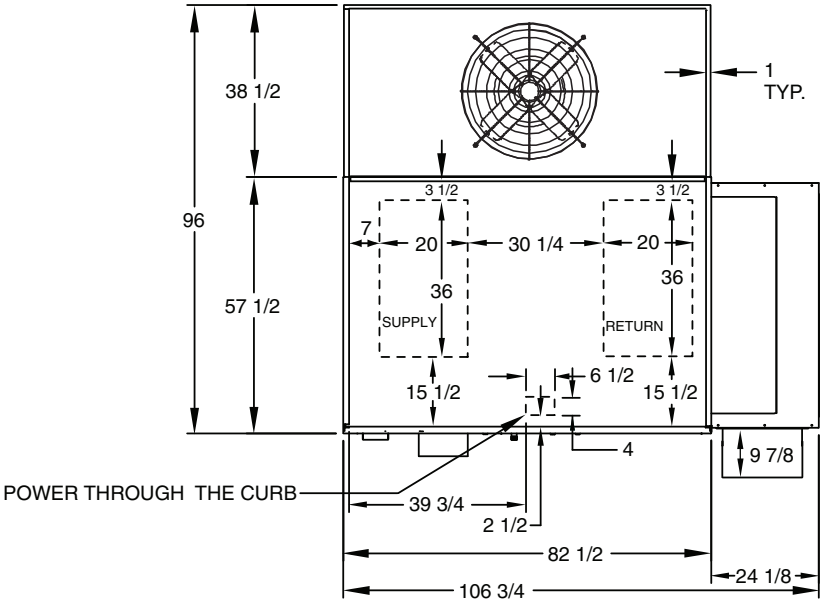






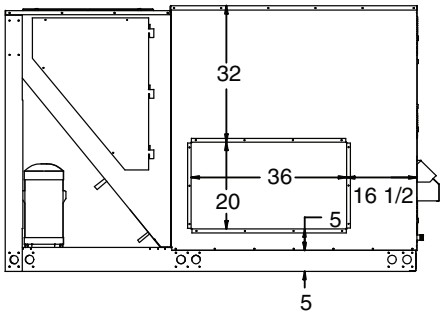
NOTES:
1. Carrier recommends a minimum of 24 to 36-in. of service clearance on all sides of unit except for the control panel side, which should have at least 48-in. clearance. Top should be unobstructed.
2. Dimensions are in inches.

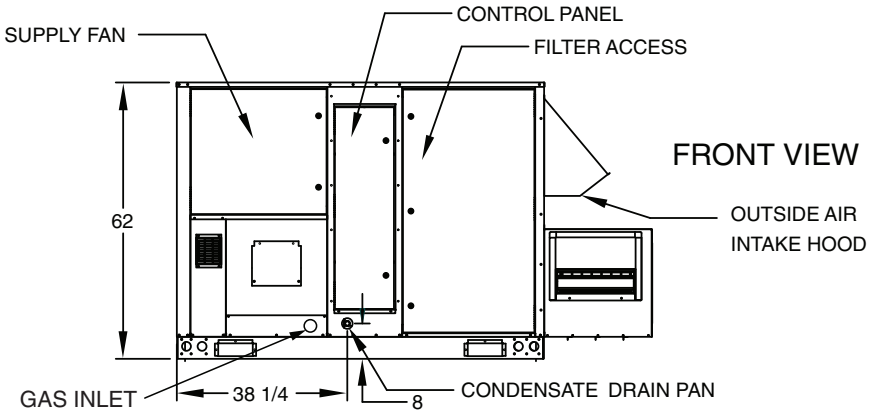
UNIT DIMENSION PRINT — 62DC,DD,DE,DF07-09 UNIT WITH OPTIONAL EXHAUST



TOP VIEW

SIDE VIEW
(HORIZONTAL SUPPLY)





FRONT VIEW

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CUT ALONG DOTTED LINE

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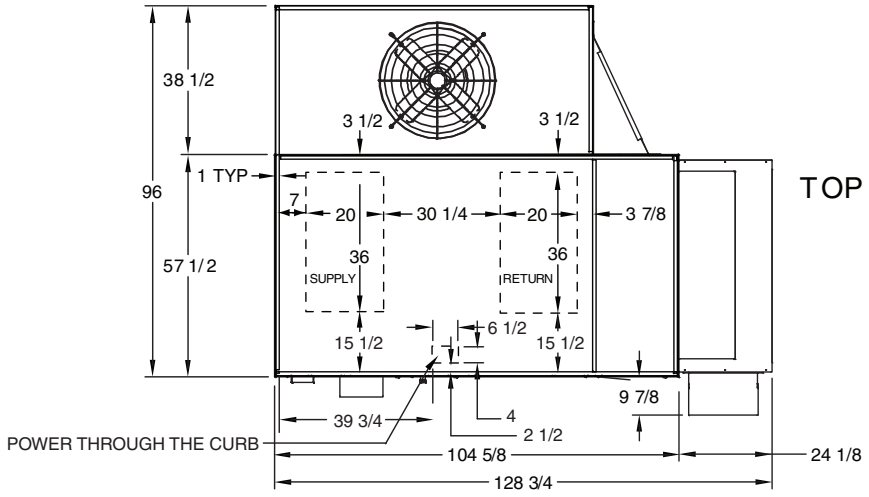
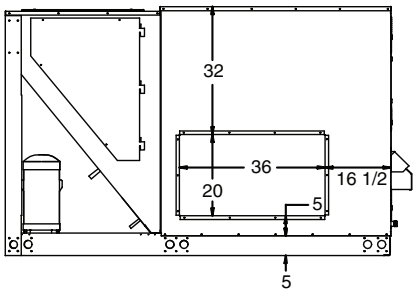
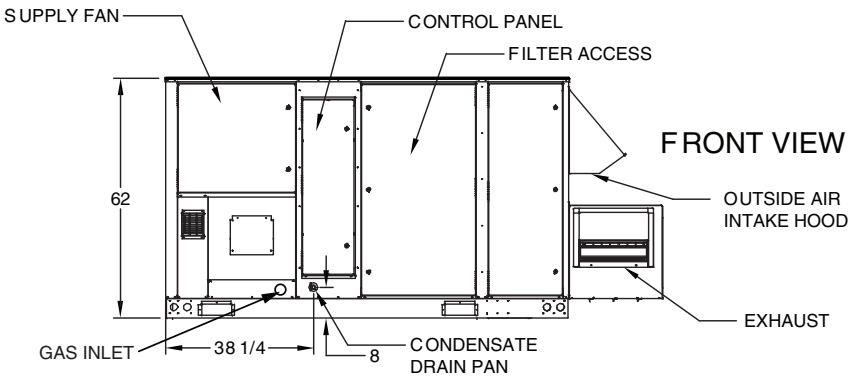
UNIT DIMENSION PRINT — 62DC,DD,DE,DF07-09 UNIT WITH OPTIONAL ENERGY CONSERVATION WHEEL



TOP VIEW

SIDE VIEW
(HORIZONTAL SUPPLY)





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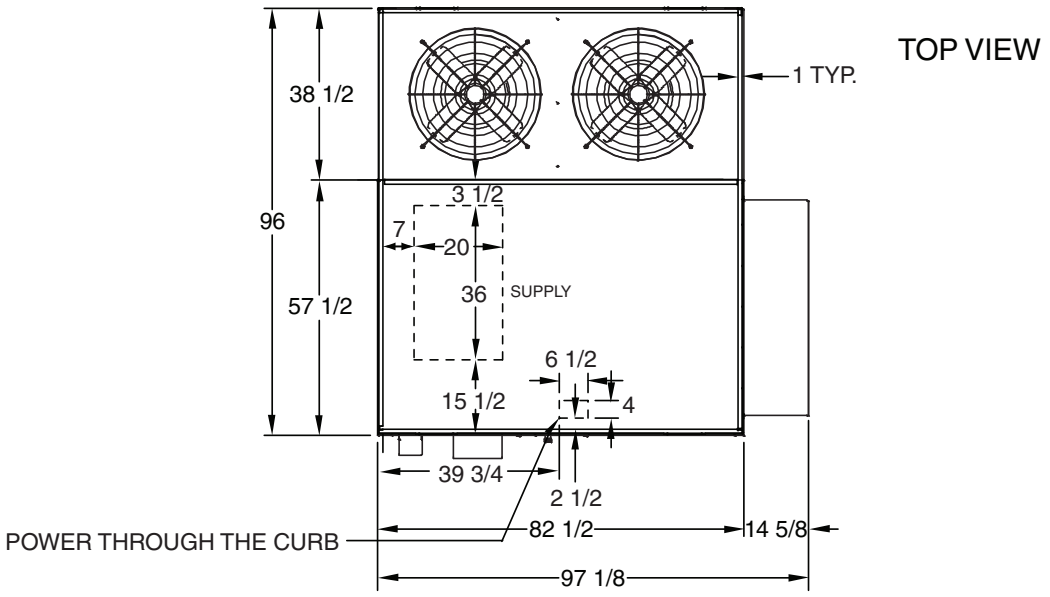
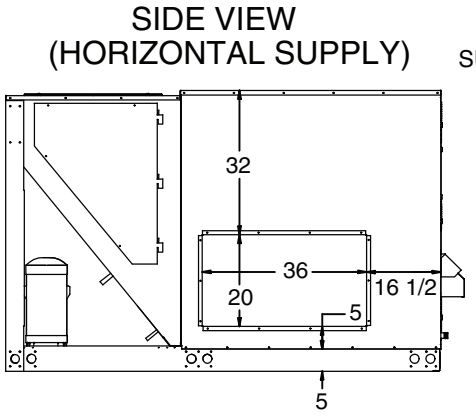
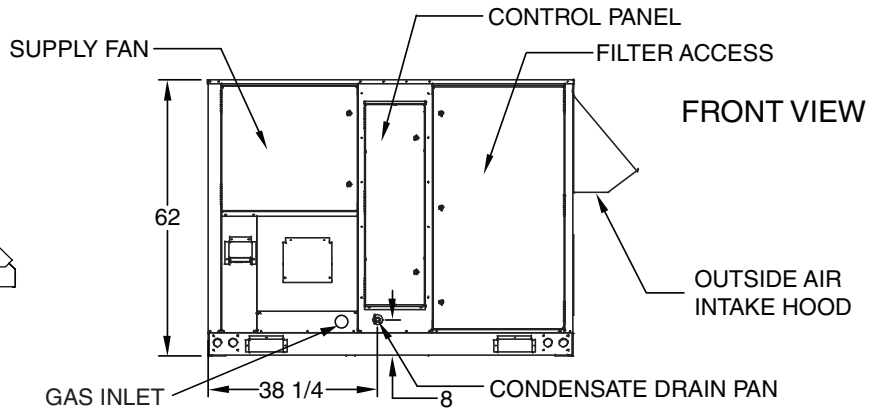
UNIT DIMENSION PRINT — 62DA,DB12-20 STANDARD UNIT







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CUT ALONG DOTTED LINE

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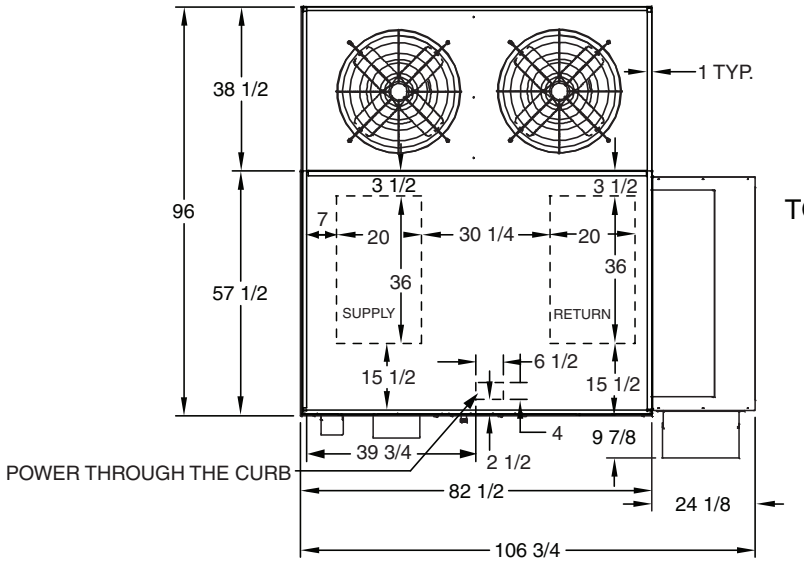
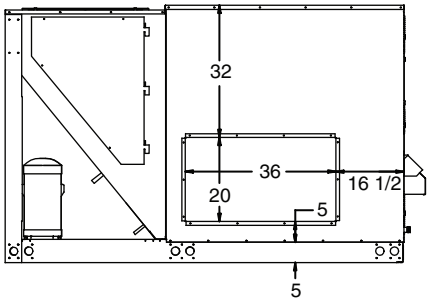
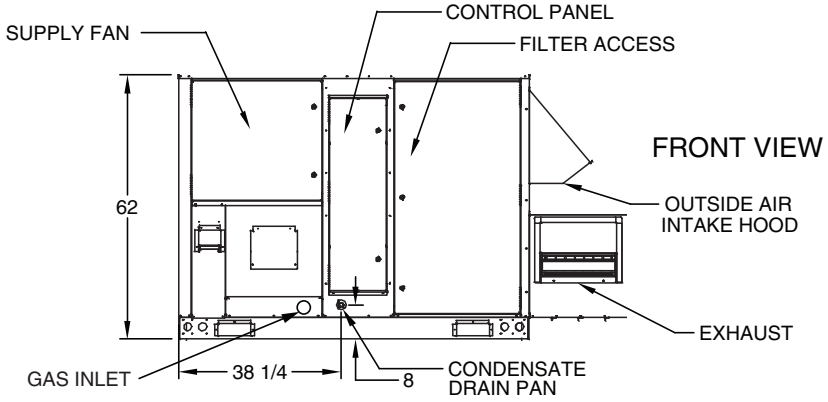
UNIT DIMENSION PRINT — 62DC,DD,DE,DF12-20 UNIT WITH OPTIONAL EXHAUST



TOP VIEW

SIDE VIEW
(HORIZONTAL SUPPLY)





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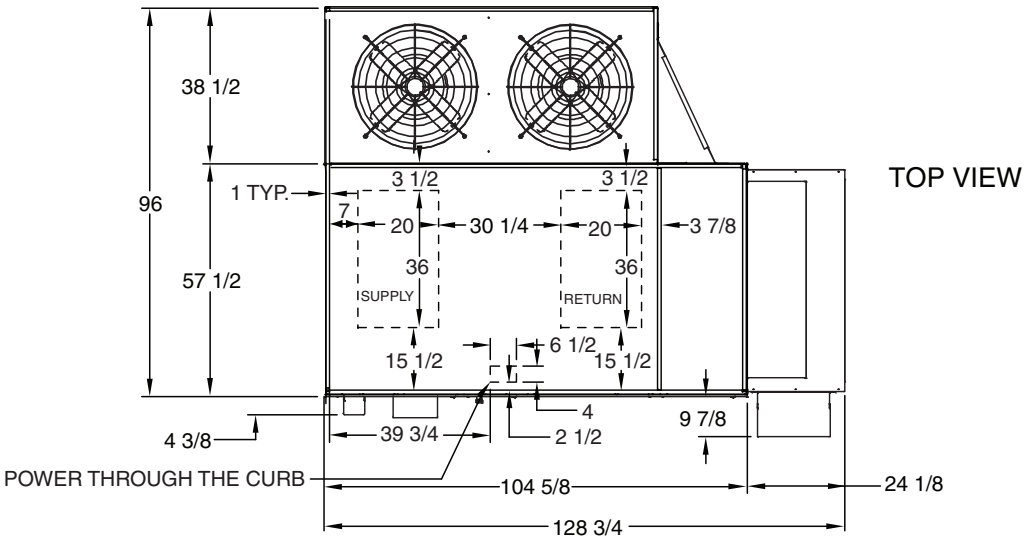
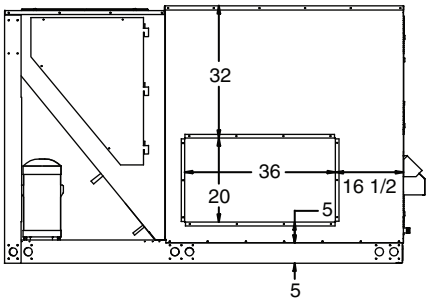
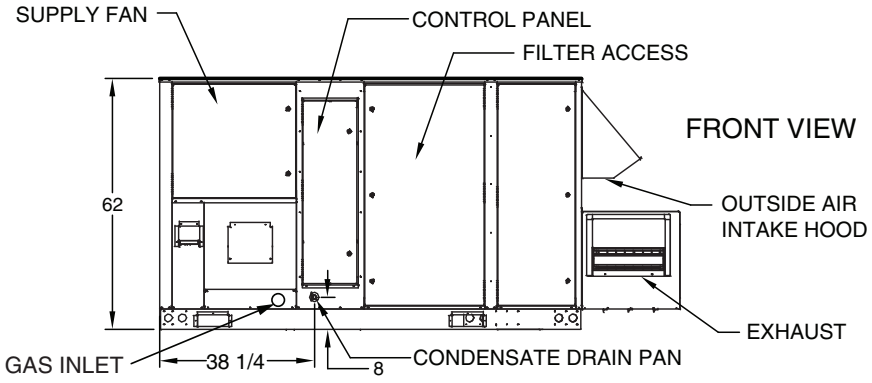
UNIT DIMENSION PRINT — 62DC,DD,DE,DF12-20 UNIT WITH OPTIONAL ENERGY CONSERVATION WHEEL



TOP VIEW

SIDE VIEW
(HORIZONTAL SUPPLY)





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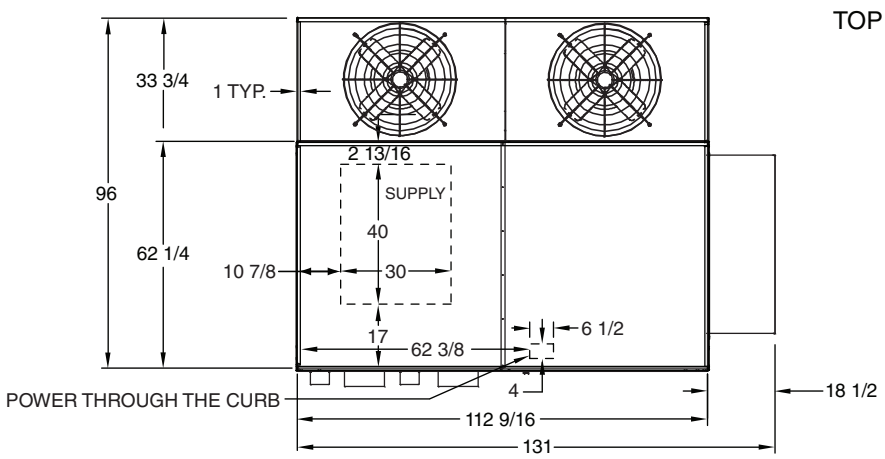
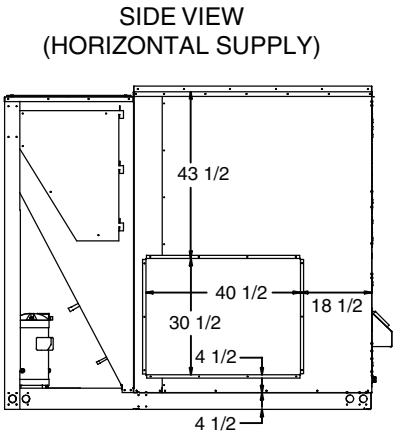
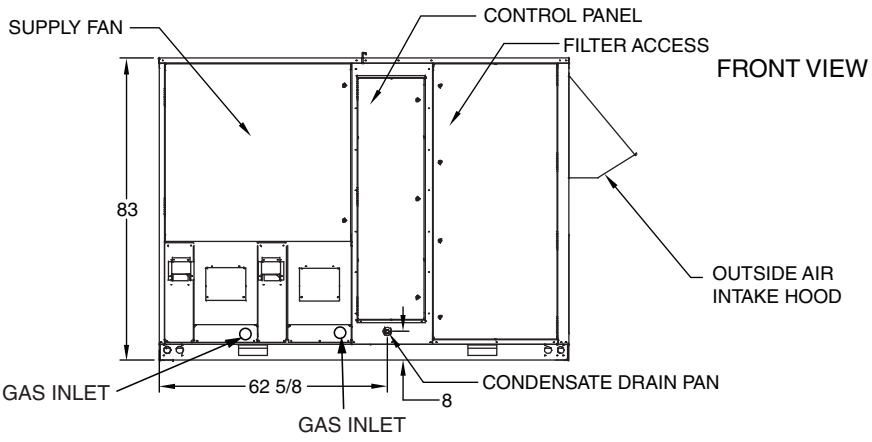
CUT ALONG DOTTED LINE

UNIT DIMENSION PRINT — 62DA,DB22-38 STANDARD UNIT







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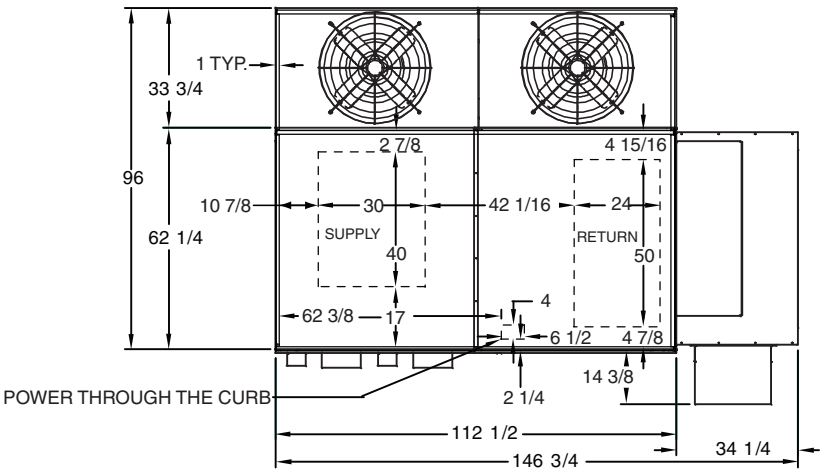
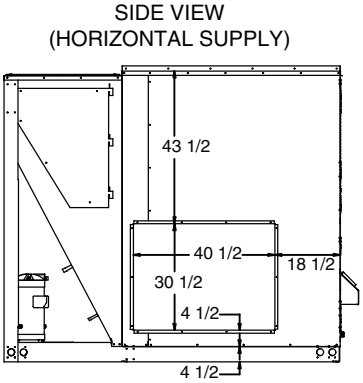
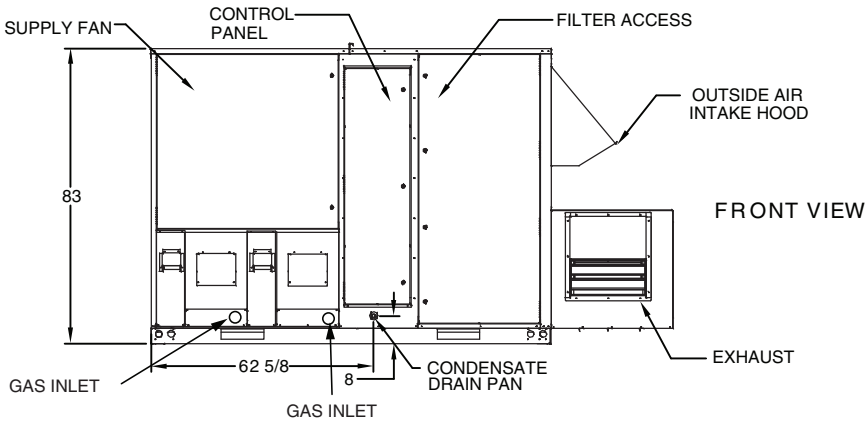
UNIT DIMENSION PRINT — 62DC,DD,DE,DF22-38 UNIT WITH OPTIONAL EXHAUST







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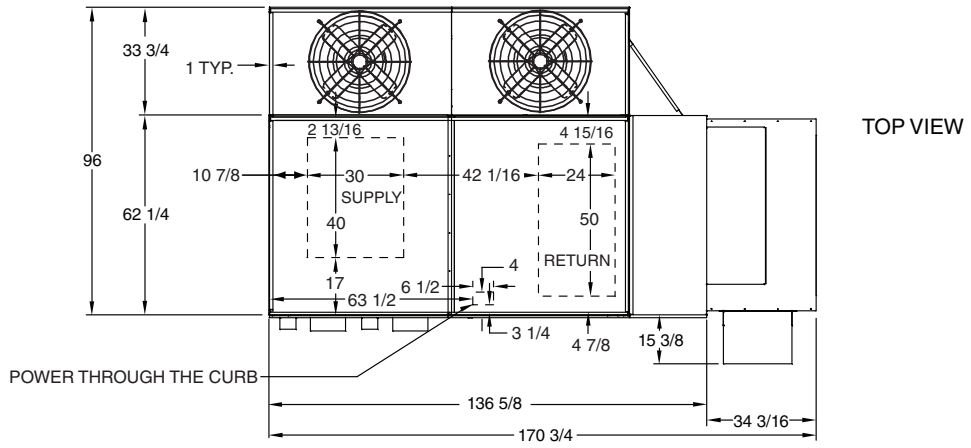
CUT ALONG DOTTED LINE

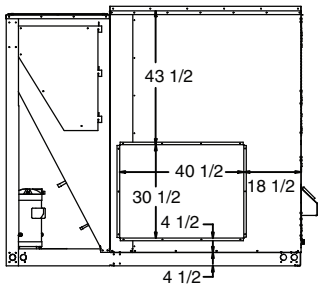
CUT ALONG DOTTED LINE

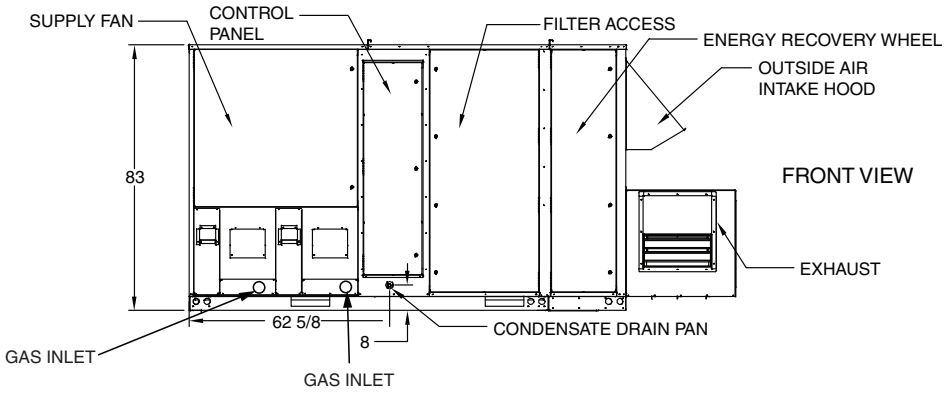
UNIT DIMENSION PRINT — 62DC,DD,DE,DF22-38 UNIT WITH OPTIONAL ENERGY CONSERVATION WHEEL



TOP VIEW

SIDE VIEW
(HORIZONTAL SUPPLY)





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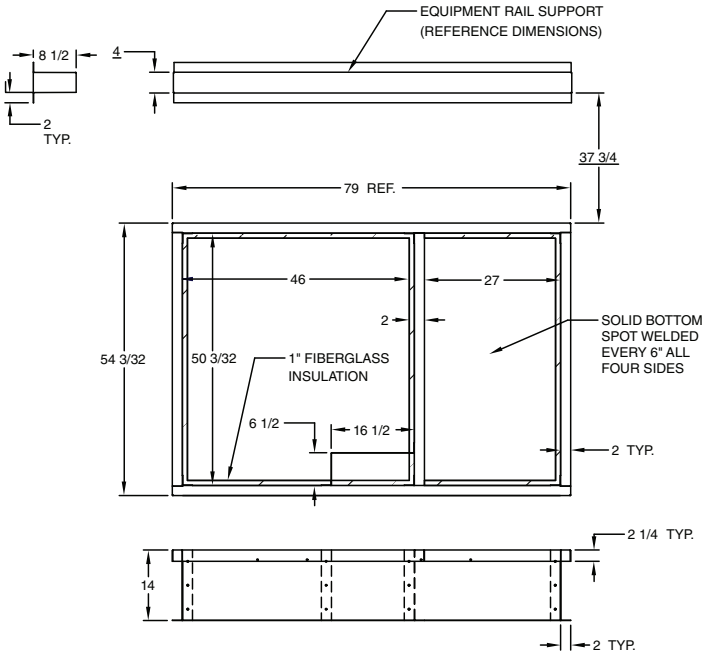
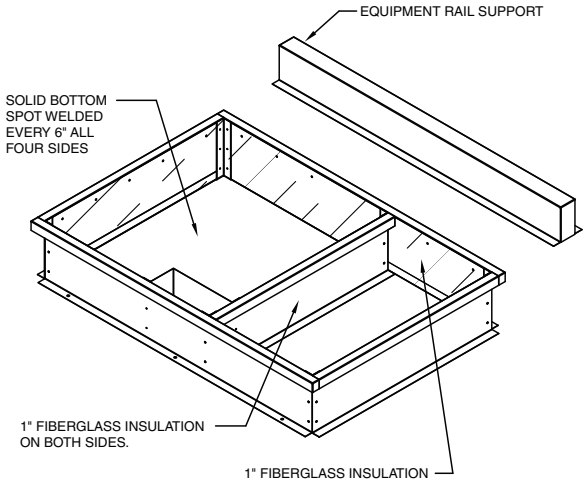
ACCESSORY DIMENSION PRINT — 62DA,DB,DC,DD,DE,DF07-20 UNITS

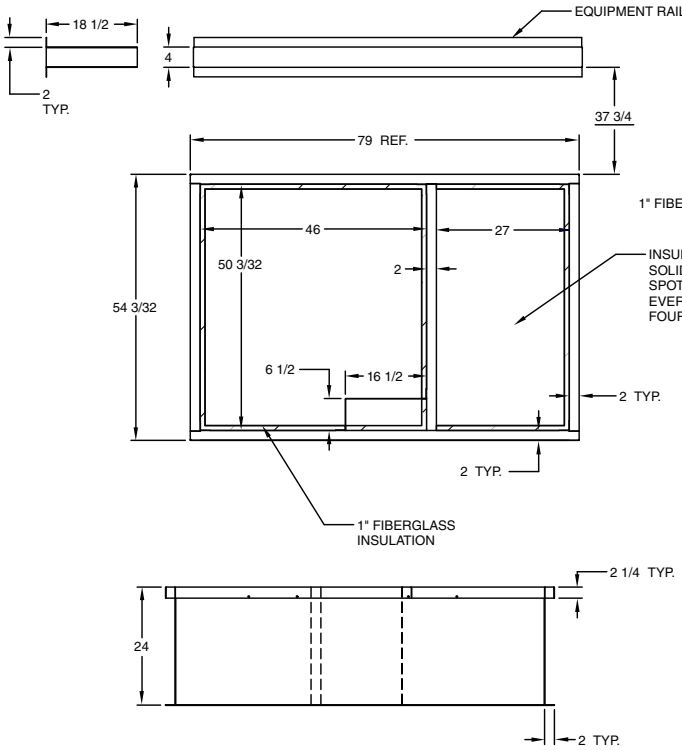
14-in. ACCESSORY ROOF CURB (FULLY ASSEMBLED)

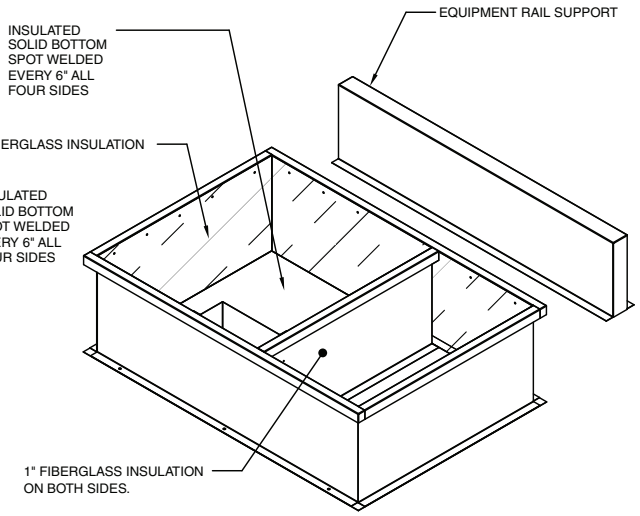




NOTE: Dimensions are in inches.

24-in. ACCESSORY ROOF CURB (FULLY ASSEMBLED)





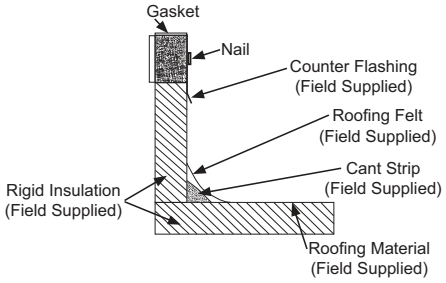
NOTE: Dimensions are in inches.

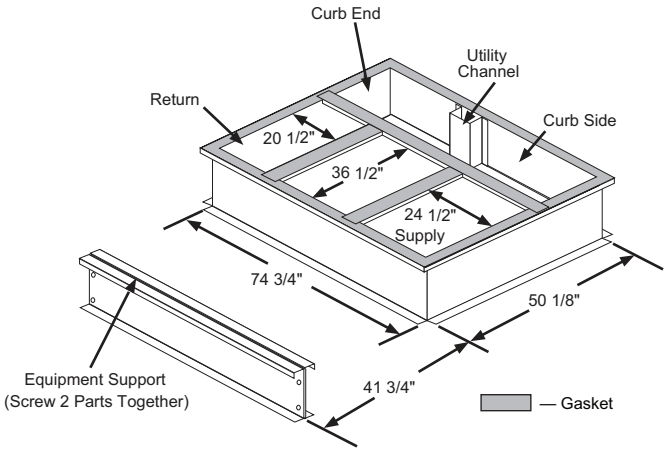
CUT ALONG DOTTED LINE

CUT ALONG DOTTED LINE

ACCESSORY DIMENSION PRINT — 62DA,DB,DC,DD,DE,DF07-20 UNITS

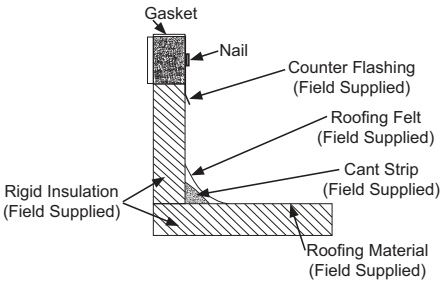
14-in. ACCESSORY ROOF CURB (FIELD ASSEMBLED)

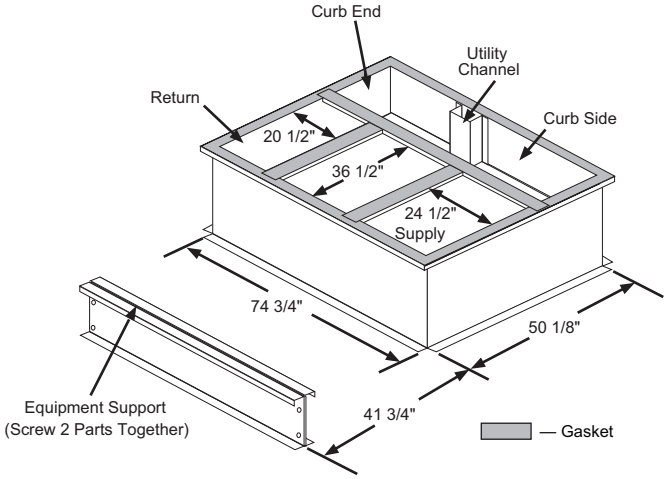




NOTE: Dimensions are in inches.

24-in. ACCESSORY ROOF CURB (FIELD ASSEMBLED)

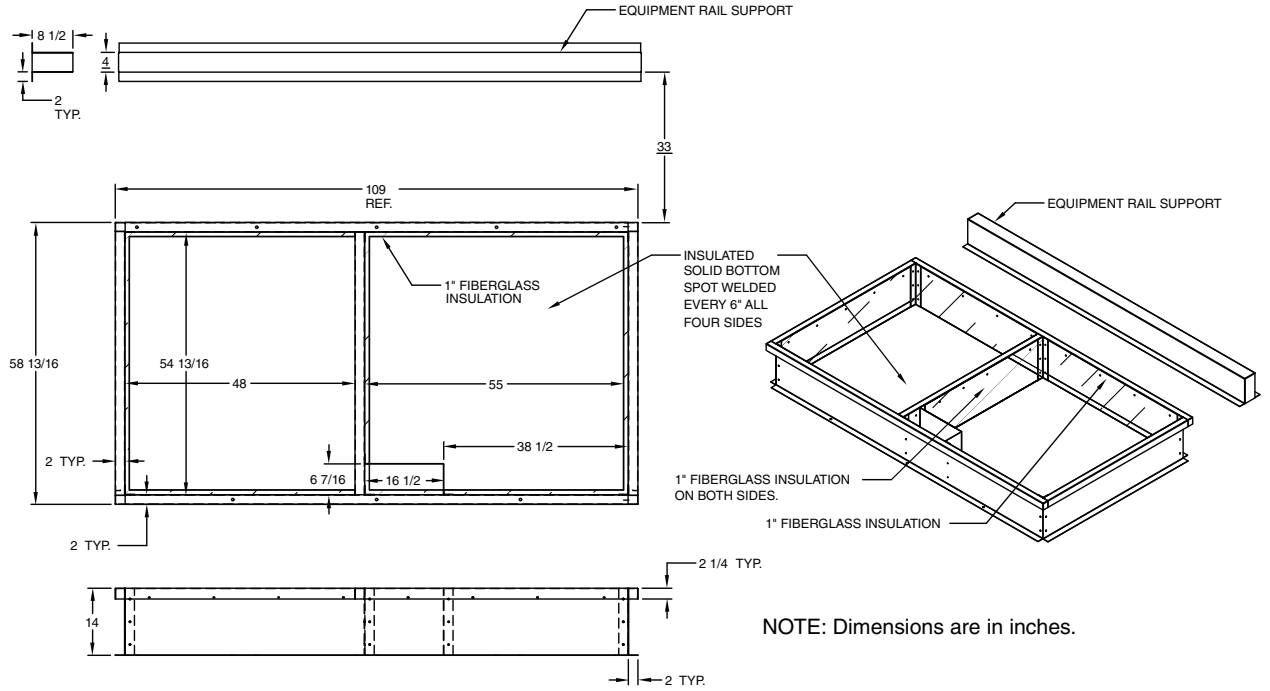




NOTE: Dimensions are in inches.

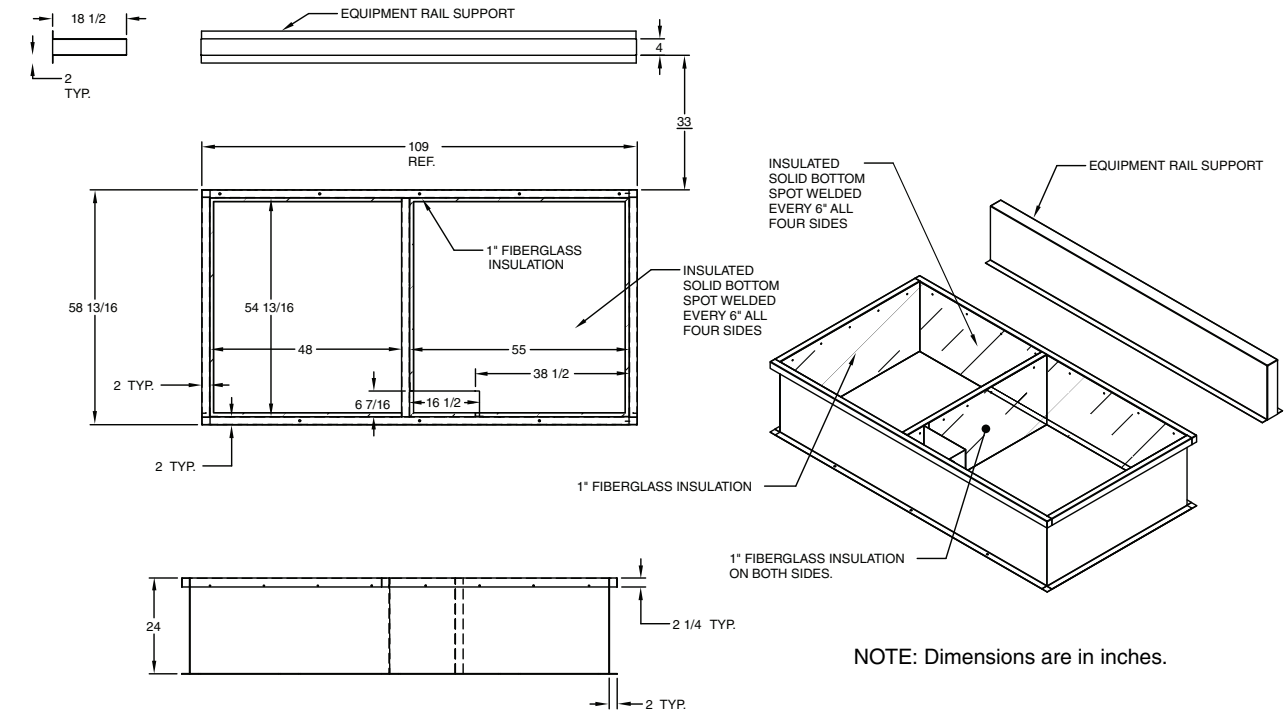
ACCESSORY DIMENSION PRINT — 62DA,DB,DC,DD,DE,DF22-38 UNITS

14-in. ACCESSORY ROOF CURB (FULLY ASSEMBLED)



NOTE: Dimensions are in inches.

24-in. ACCESSORY ROOF CURB (FULLY ASSEMBLED)



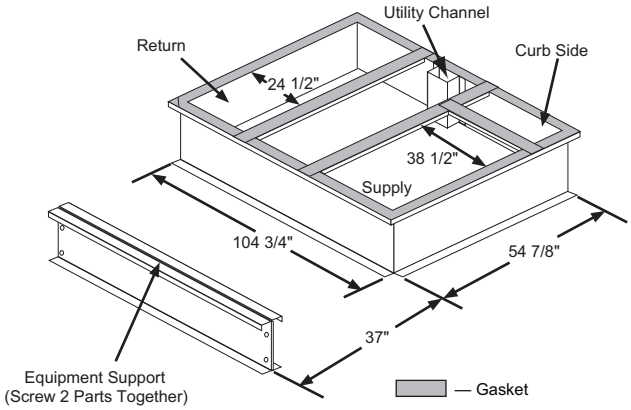
NOTE: Dimensions are in inches.

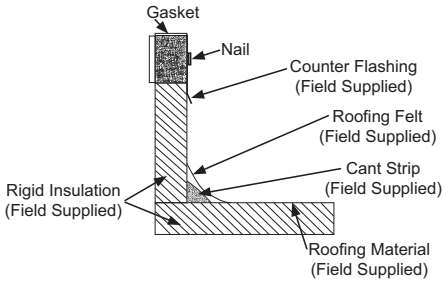
CUT ALONG DOTTED LINE

CUT ALONG DOTTED LINE

ACCESSORY DIMENSION PRINT — 62DA,DB,DC,DD,DE,DF22-38 UNITS

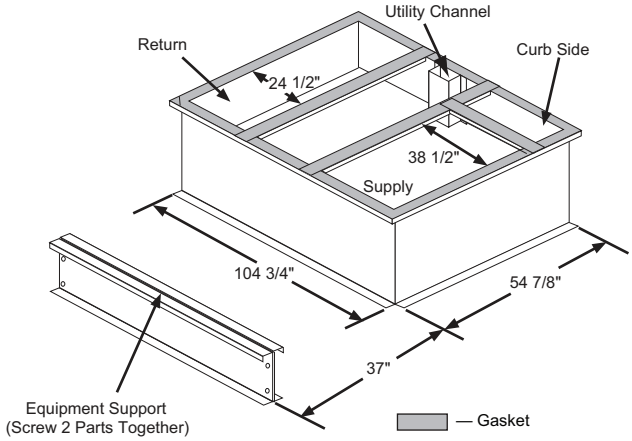
14-in. ACCESSORY ROOF CURB (FIELD ASSEMBLED)

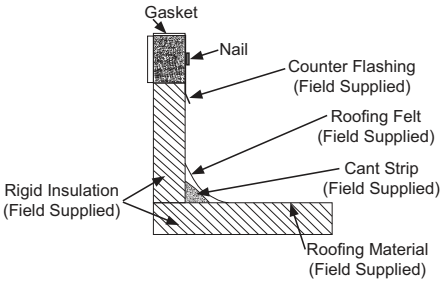




NOTE: Dimensions are in inches.

24-in. ACCESSORY ROOF CURB (FIELD ASSEMBLED)





NOTE: Dimensions are in inches.