

Roof Curb Kit for R7TQ 072/090/120 Series

INSTALLATION INSTRUCTIONS

Curb sides are constructed of 16-gauge coated steel and wooden nailers. All hardware necessary to assemble the curb is provided; installation hardware must be field supplied. Vertical discharge roof curbs include dividers that allow for inserting ductwork down from the top. Curbs are constructed of 16-gauge coated steel and 2 x 4 wooden nailers.

TABLE 1. CURB IDENTIFICATION

Part Number	Height	Width
1011391	8"	203.2 mm
1011388	14"	355.6 mm
1011389	18"	457.2 mm
1011390	24"	609.6 mm

- **Assembly and installation of the curb are the responsibility of the installer.**
- Before installation, verify that the curb ordered is the appropriate one for the unit. Refer to Tables 1, 2 and 3.
- Depending on the weight and the roof structure, tread material may be required under the rails. Curb and equipment must be level.
- If installing more than one system, it is recommended to minimize structural span deflection to discourage sound transmission.
- Mounting hardware and flashing must be field supplied.
- Check the roof curb for squareness. The curb must be adjusted so that the diagonal measurements are equal within a tolerance of $\pm 1/8"$ (± 3 mm).
- Level the roof curb. To ensure a good weatherproof seal between the unit curb cap and the roof curb, the roof curb must be leveled in both directions with no twist end to end. Shim as required and secure curb to the roof deck before installing flashing.
- Install field-supplied flashing. If ductwork is being installed from the top, slide the ductwork down into the discharge and return air openings. Ductwork should be sized slightly smaller with a minimum 3/4" duct flange that will rest on and be attached to all sides of the duct connection. See the system installation manual for ductwork requirements.
- Apply 1/4" x 1-1/4" foam sealant tape to both the top surface of the curb rails and the top surface of the perimeter of the integral dividers, being sure to make good butt joints at all corners. The sealant tape must be applied to prevent water leakage into the curb area due to blown rain and capillary action.

IMPORTANT: Verify that the unit will be placed in the correct airflow orientation to mate properly with the discharge and return air openings.

TABLE 2. CURB PART NUMBERS

HEIGHT	ITEM #	P/N	DESCRIPTION	QTY
8"	1	1006197	END	2
	2	1006198	CONTROL SIDE	1
	3	1006199	FILTER ACCESS SIDE	1
14"	1	1006186	END	2
	2	1006187	CONTROL SIDE	1
	3	1006188	FILTER ACCESS SIDE	1
18"	1	1006191	END	2
	2	1006192	CONTROL SIDE	1
	3	1006193	FILTER ACCESS SIDE	1
24"	1	1006194	END	2
	2	1006195	CONTROL SIDE	1
	3	1006196	FILTER ACCESS SIDE	1

TABLE 3. BILL OF MATERIALS

P/N	ITEM	DESCRIPTION	QUANTITY
See Curb Part Number Table	1	Curb End	2
	2	Curb Filter Access side	1
	3	Curb Control side	1
1006182	4	Support	1
1006185	5	RA Support	1
1006184	6	SA Support	1
600255	7	Screws S.M. 10AB x 1/2"	4
16247	8	5/16"-18 x 3/4" Hex Cap Screws	16
612001	9	Washers	32
1035	10	5/16"-18 Hex Nut	16
66302	11	Gasket 1/4" x 1 1/4"	50 FT

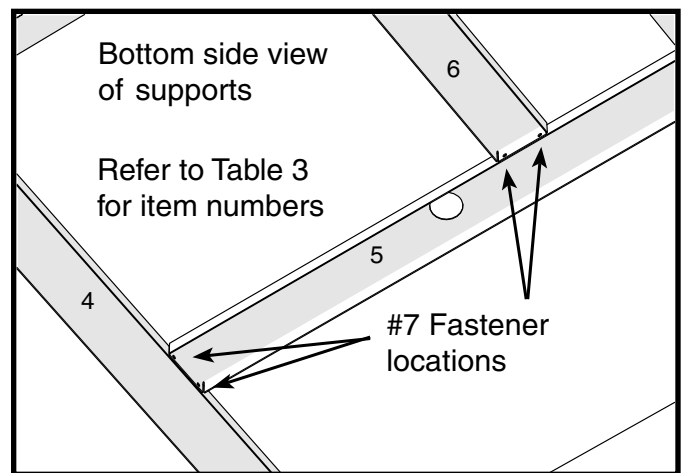


Figure 1. Support and Gasket Locations

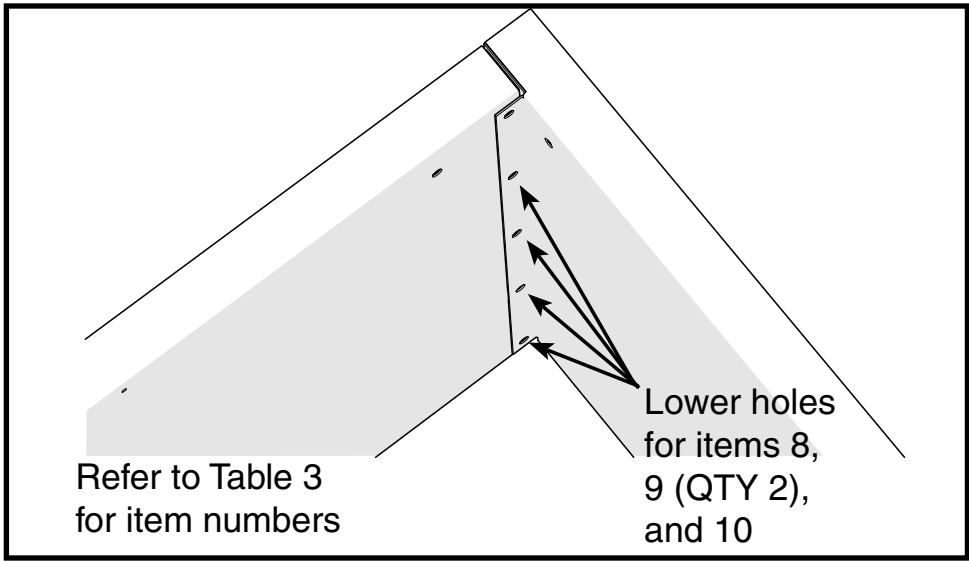


Figure 2. Curb Fastener Locations

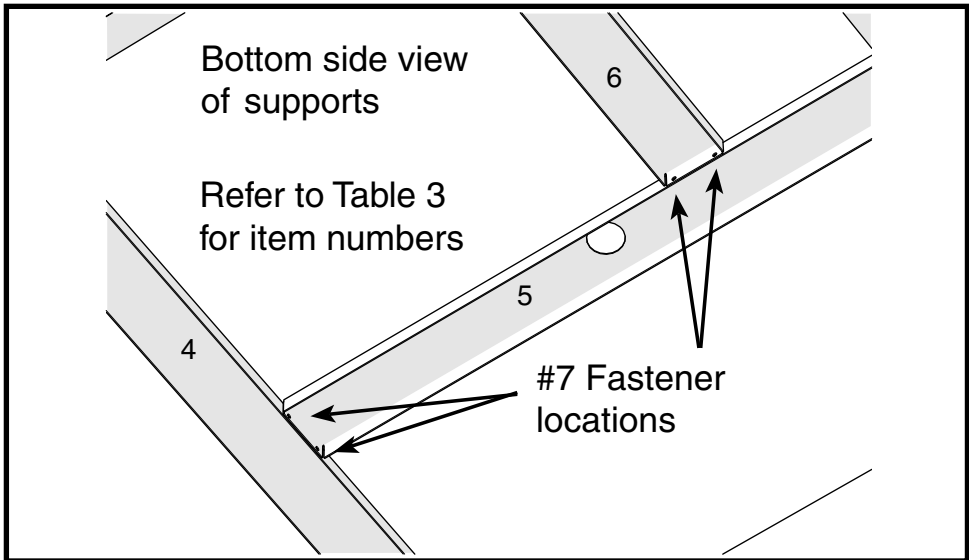


Figure 3. Support Fastener Locations

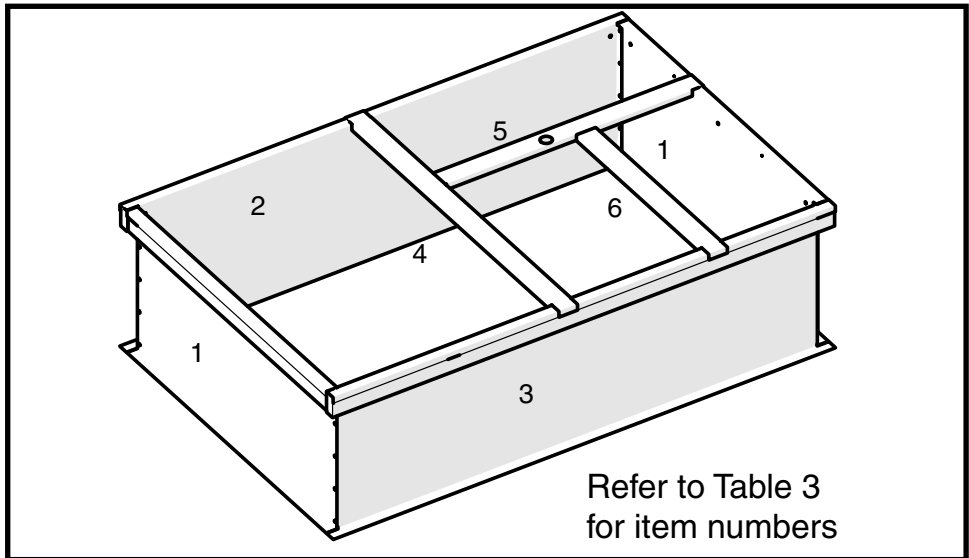
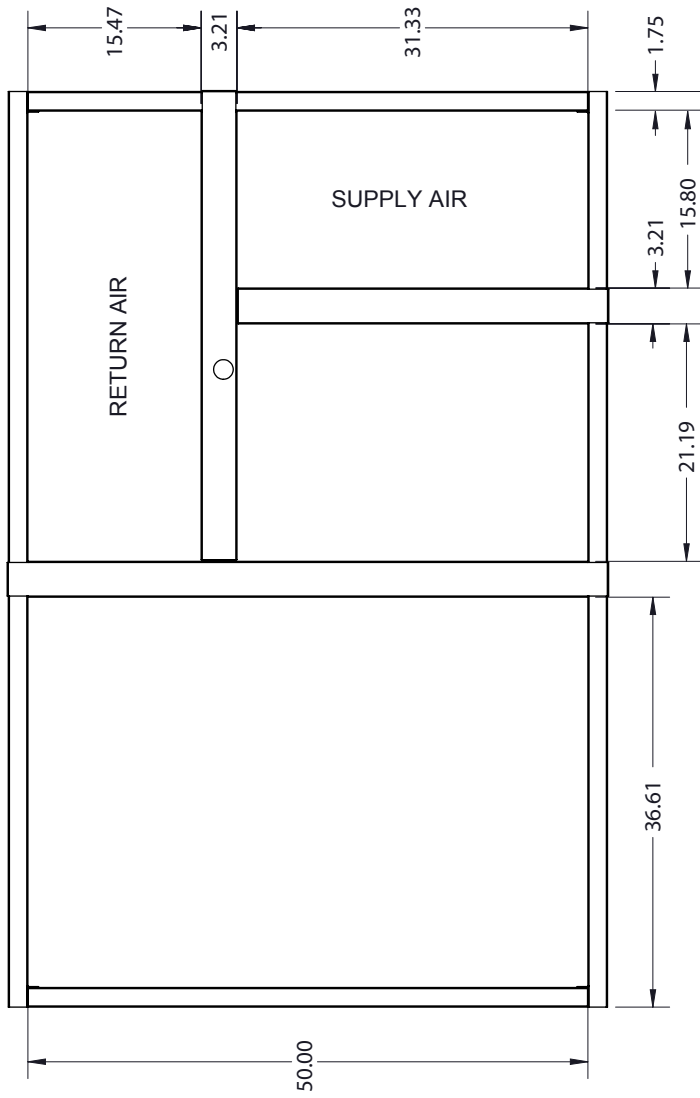


Figure 4. Component Locations



CURB HEIGHT TABLE	
CURB HEIGHT (H) IN INCHES	8-INCH OPTION
	14-INCH OPTION
	18-INCH OPTION
	24-INCH OPTION

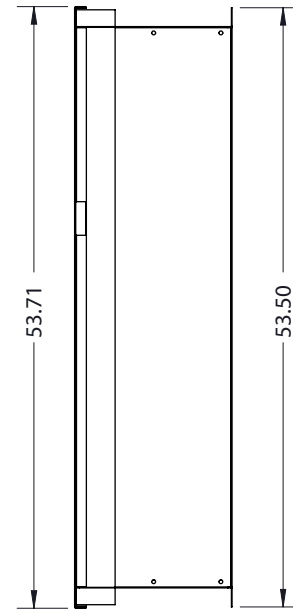
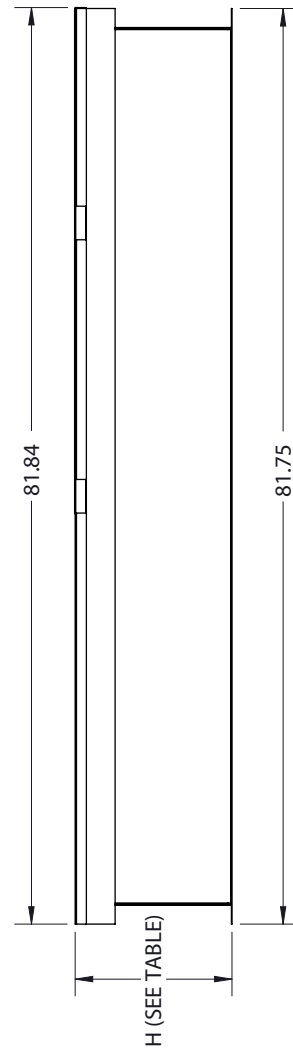


Figure 5. Curb Dimensions

NOTES:



1012100A
(Replaces 10121000)