

Installation Instructions

Part No. CRLNXCURB12A00, CRLNXCURB34A00, CRTRACURB12A00,
CRTRACURB34A00, CRYRKCURB12A00, CRYRKCURB34A00

IMPORTANT: Please read all installation instructions and precautions and drawing before ordering curb adapters or beginning installation.

SAFETY CONSIDERATIONS

Installation of this accessory can be hazardous due to system pressures, electrical components, and equipment location (such as a roof or elevated structure). Only trained, qualified installers and service technicians should install, start-up, and service this equipment.

When installing this accessory, observe precautions in the literature, labels attached to the equipment, and any other safety precautions that apply:

- Follow all safety codes
- Wear safety glasses and work gloves
- Use care in handling and installing this accessory

It is important to recognize safety information. This is the safety-alert symbol: . When you see this symbol on the unit and in instructions or manuals, be alert to the potential for personal injury.

Understand the signal words DANGER, WARNING, CAUTION, and NOTE. These words are used with the safety-alert symbol. DANGER identifies the most serious hazards which **will** result in severe personal injury or death. WARNING signifies hazards which **could** result in personal injury or death. CAUTION is used

to identify unsafe practices, which **may** result in minor personal injury or product and property damage. NOTE is used to highlight suggestions which **will** result in enhanced installation, reliability, or operation.

CURB ADAPTER INFORMATION

Follow all local and state codes when installing curb adapters.

These curb adapters have been designed from HVAC unit literature. Actual job site dimensions have NOT been taken. Field alterations and reinforcements may be required if site dimensions vary from literature. Contact factory if dimensions vary.

The installing contractor must verify that the existing roofcurb and roof structure are capable of supporting the curb adapter and new HVAC unit. Field provided reinforcement may be required.

All curb adapters will increase the systems external static pressure and must be included when calculating unit requirements.

WARNING

ELECTRICAL SHOCK HAZARD

Failure to follow this warning could result in personal injury or death.

Before installation or servicing system, always turn off main power to system and install lockout tag. Unit may have more than one disconnect switch. Turn off the accessory heater power switch, if applicable.

Table 1 — Package Usage

PART NUMBER	MODEL	SIZE	EXISTING COMPETITOR UNIT	MODEL	SIZE
CRLNXCURB12A00	48/50FC	04-07	Lennox	KCA KGA KGB KHA LGH LCH TCA TGA THA	036-072 036-072 036-072 036-060 036H-072H 036H-072H 036-072 036-072 036-072
	48/50GC	04-06			
	48/50JC	04-06			
	50FCQ	04-07			
	50GCQ	04-06			
	582K/559K	04-07			
	581K/551K	04-06			
	547K	04-07			
	549K	04-06			
	RGV/RAV	036-072			
	RGW/RAW	036-060			
	RHV	036-072			
	RHW	036-060			
CRLNXCURB34A00	48/50FC	08-14	Lennox	KCA KGA KHA LCA LCB LCC LCE LGA LGB LGC LGE LHA LCH LGH TGA THA THC	092-150 092-150 092-150 092-150 092-150 092-150 092-150 092-150 092-150 092-150 092-150 092-150 092-150 092-152 092-152 090-150 090-150 090-150 090-150
	48/50GC	07-12			
	48/50HC	07-12			
	48/50LC	07			
	48/50TC	08-14			
	50FCQ	08-12			
	50GCQ	07-09			
	50HCQ	07-09			
	50TCQ	08-12			
	582K/559K	08-14			
	581K/551K	07-12			
	581J/551J	07-12			
	580J/558J	08-14			
	547K	08-12			
	549K	07-09			
	549J	07-09			
	548J	08-12			
	RGV/RAV	090-150			
	RGW/RAW	072-120			
	RGH/RAH	072-120			
	RHV	090-120			
	RHW	072-102			
	RHH	072-102			
	RHS	090-150			
CRTRACURB12A00	48/50FC	04-07	Trane	THC TSC YHC THC TSC WSC YHC YSC TZC YZC	036A-048A 036A-060A 036A-048A 036E-060A 036E-060E 036A-060A 036E-060A 036E-060E 036E 036E
	48/50GC	04-06			
	48/50JC	04-06			
	50FCQ	04-07			
	50GCQ	04-06			
	582K/559K	04-07			
	581K/551K	04-06			
	547K	04-07			
	549K	04-06			
	RGV/RAV	036-072			
	RGW/RAW	036-060			
	RHV	036-072			
	RHW	036-060			
CRTRACURB34A00	48/50FC	08-14	Trane	GRE THC THC THC TSC TSC TSC WSC WSC YHC YHC YSC YSC YSC	E060-E090 072A-120A 072E-092E 072F-102F 072A-120A 072E-120E 072F-120F 072A-120A 072E-090E 072A-120A 072F-102F 072A-120A 072E-120E 072F-120F
	48/50GC	07-12			
	48/50HC	07-12			
	48/50LC	07			
	48/50TC	08-14			
	50FCQ	08-12			
	50GCQ	07-09			
	50HCQ	07-09			
	50TCQ	08-12			
	582K/559K	08-14			
	581K/551K	07-12			
	581J/551J	07-12			
	580J/558J	08-14			
	547K	08-12			
	549K	07-09			
	549J	07-09			
	548J	08-12			
	RGV/RAV	090-150			
	RGW/RAW	072-120			
	RGH/RAH	072-120			
	RGS/RAS	089-150			
	RHV	090-120			
	RHW	072-102			
	RHH	072-102			
	RHS	090-120			

NOTE: Not all models are available at this time. Consult with factory for available options.

Table 1 — Package Usage (cont)

PART NUMBER	MODEL	SIZE	EXISTING COMPETITOR UNIT	MODEL	SIZE
CRYRKCURB12A00			York	B1CH	036-060
				B1DF	036-060
				B1HN	036-060
				B2CH	036-060
				B3CH	036-060
				B4CH	036-060
				B5CH	036-060
				B6CH	036-060
				B7CH	036-060
				BP	036-072
				BQ	036-060
				D1CE	036-060
				D1CG	036-072
				D1EE	036-060
				D1EG	036-060
				D2CG	036-072
				D2HE	036-060
				D2HG	036-060
				D3CE	036-072
				D3CG	036-072
				D3HE	036-060
				D3HG	036-060
				D4CE	036-060
				D4CG	036-076
				D5CE	036-072
				D6CE	036-072
				D6CG	036-060
				D7CG	036-060
				D8CG	036-072
				D9CG	036-072
				DH	036-060
				DJ	036-060
				DM	036-072
				DR	036-072
				DY	036-060
				XP	036-072
				ZF	036-072
				ZJ	036-072
				ZP	036-060
				ZR	036-072
CRYRKCURB34A00	48/50FC	08-14	York		
	48/50GC	07-12			
	48/50HC	07-12			
	48/50LC	07			
	48/50TC	08-14			
	50FCQ	08-12			
	50GCQ	07-09			
	50HCQ	07-09			
	50TCQ	08-12			
	582K/559K	08-14			
	581K/551K	07-12			
	581J/551J	07-12			
	580J/558J	08-14			
	547K	08-12			
	549K	07-09			
	549J	07-09			
	548J	08-12			
	RGV/RAV	090-150		BP	090-150
	RGW/RAW	072-120		DF	078-150
	RGH/RAH	072-120		DH	090-150
	RGS/RAS	089-150		DM	090-150
	RHV	090-120		DR	090-150
	RHW	072-102		XP	090-150
	RHH	072-102		ZF	090-150
	RHS	090-120		ZH	090-150
				ZJ	090-150
				ZR	090-150

NOTE: Not all models are available at this time. Consult with factory for available options.

INSTALLATION

IMPORTANT: Some installations may have an existing duct attached to existing unit base. Inspect before lifting off the old unit.

1. Remove electric, gas and duct connections attached to existing HVAC unit. Refer to Fig. 1 for curb adapter installation.
2. Remove existing unit from roof.
3. Reinforce existing curb and roof structure as required. To support additional weight of curb adapter and new HVAC unit, which may be heavier than existing unit refer to Fig. 2-7 for applicable weights to each part number.
4. If an adapter pan is needed, a support pan will be provided to reinforce the curb adapter. Locate the support pan inside the existing curb directly underneath the vertical side of the curb adapter. Screw or weld support pan to existing curb.

(A support pan will be located under each adapter pan.) Refer to Fig. 1.

5. An assembly print for each curb adapter is sent with curb adapter.
6. Apply gasketing to top perimeter of existing curb.
7. Set curb adapter down on top of existing curb. Refer to Fig. 2-7 for proper unit to curb locating dimensions. Orient the curb adapter so that the duct openings line up as close as possible.
8. Secure curb adapter to existing curb. Caulk all areas where leaks may occur.
9. Gasket top perimeter of curb adapter. Carefully set unit in place.
10. Make necessary gas and electrical connections.

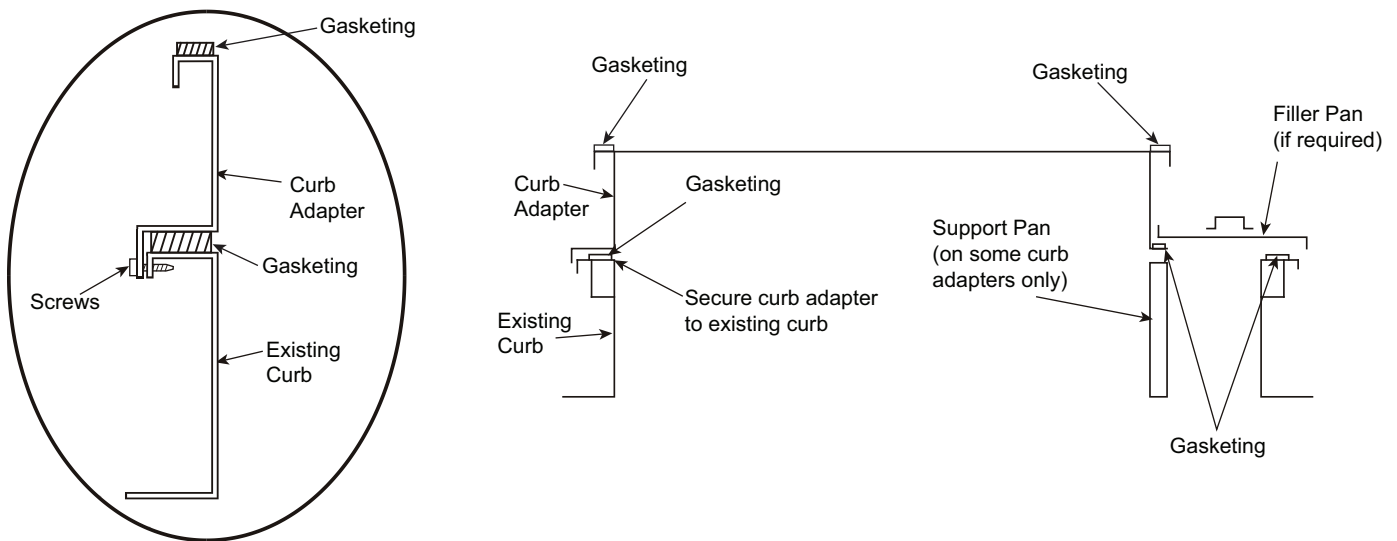
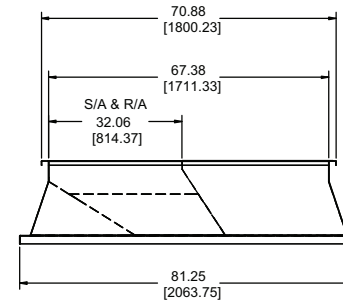
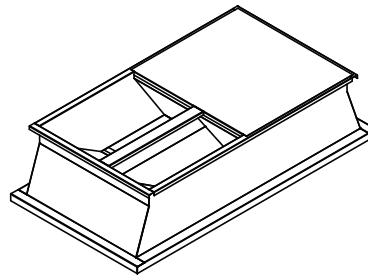
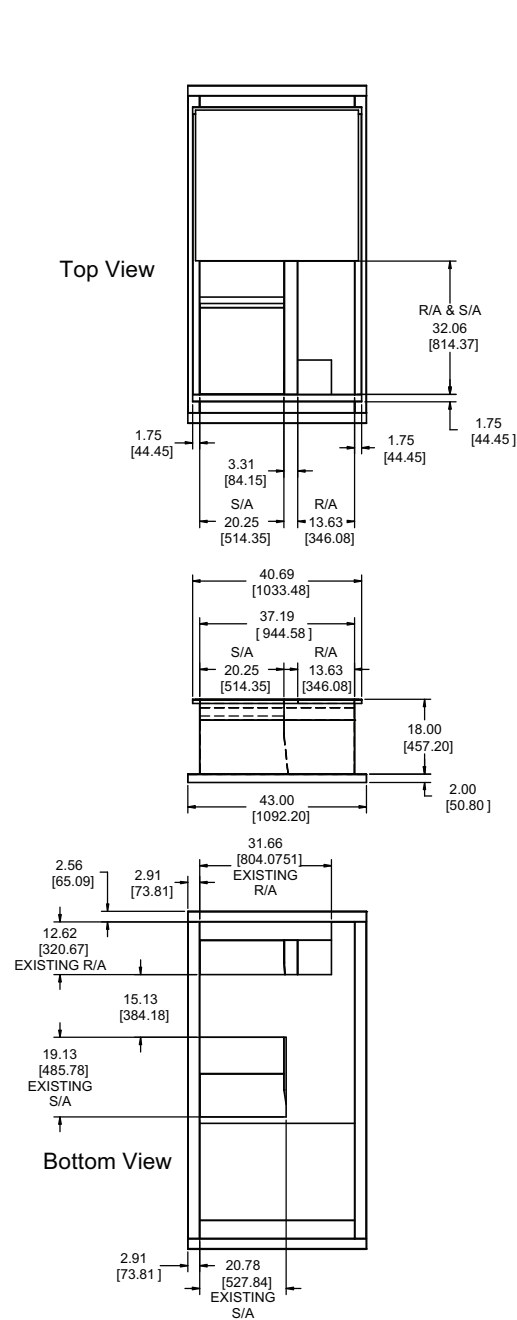


Fig. 1 — Curb Adapter Installation



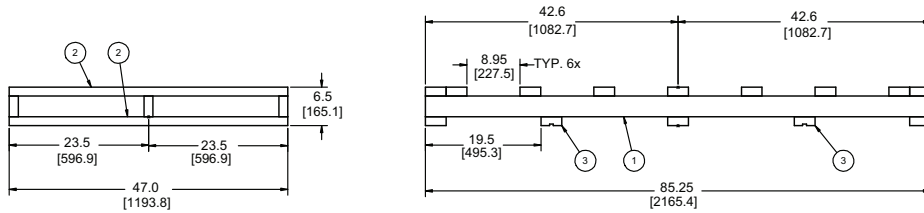
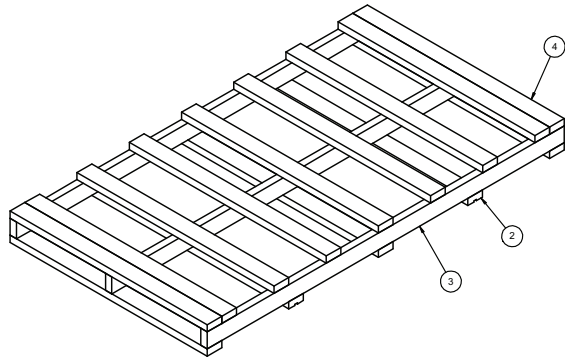
NOTES:

1. Welded assembly.
2. 18GA G-90 construction.
3. Perimeter, deck pan, divider under deck, return ir chamber, and adaptor pan insulated with 1 in. duct liner (Johns Manville Linacoustic).
4. Insulation secured with mechanically welded fastener pins and adhesive bondmaster.
5. Included 75 L/F 1-1/2 in. x 1/4 in. gasket (light density closed-cell polyvinyl chloride foam).
6. Dimensions are in inches [mm].

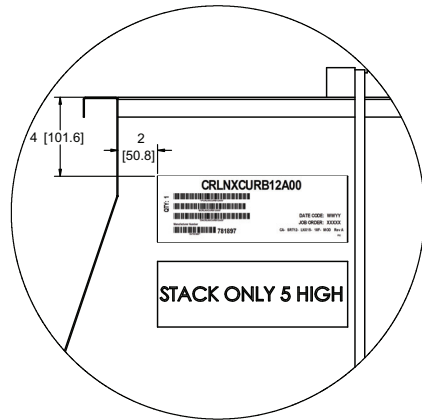
ITEM NO.	PART NUMBER	CARIER PART NUMBER	QTY.	DESCRIPTION
1	CA-SRT12-LNX15-18F-MOD	CRLNXCURB12A00	1	CURB ADAPTER ASSEMBLY
2	9430-0100	-	3	25FT ROLL OF 1.500in x 0.250in GASKET

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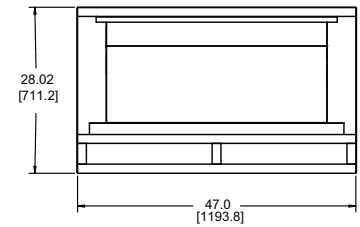
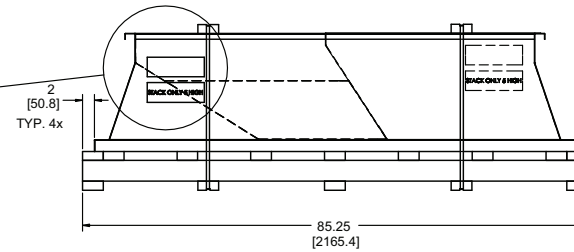
Fig. 2 — CRLNXCURB12A00 Curb Adapter Assembly — Lennox



Skid Details

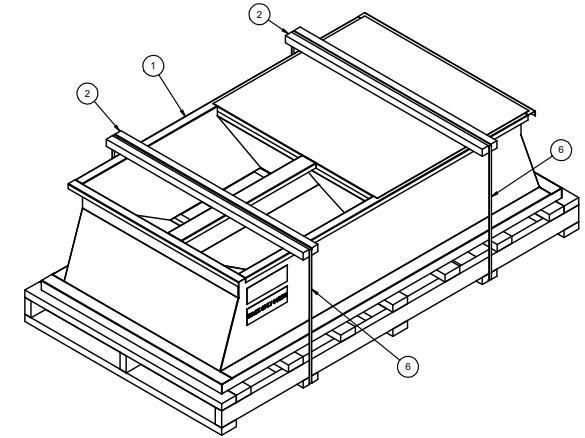


DETAIL E



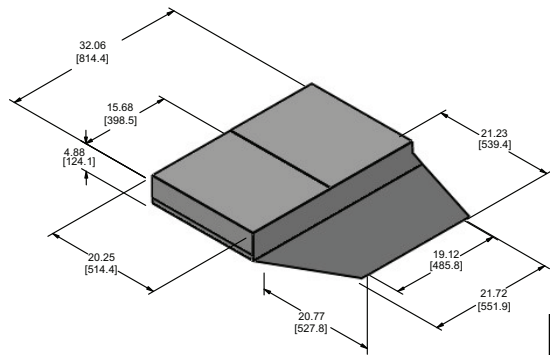
- NOTES:
1. Place curb adapter on skid and band it as shown.
 2. Place labels in opposite corners as shown.
 3. Dimensions are in inches [mm].

ITEM NO.	PART NUMBER	QTY.	DESCRIPTION
1	CRLNXCURB12A00 / CA-SRT12-LNX15-18F-MOD	1	CURB ADAPTER ASSEMBLY
2	9911-0015 WITH DADO GROOVE	4	WOOD WITH DADO GROOVE, 2" x 4" x 47"
3	9911-0015	3	WOOD, 2" x 4" x 90"
4	9911-0015	12	WOOD, 2" x 4" x 47"
5	9430-0100	3	25FT ROLL OF 1.500in x 0.250in GASKET
6	0.500in STEEL BAND	2	STEEL BAND
7	CRLNXCURB12A00 label	2	LABEL
8	STACK ONLY 5 HIGH LABEL	2	LABEL

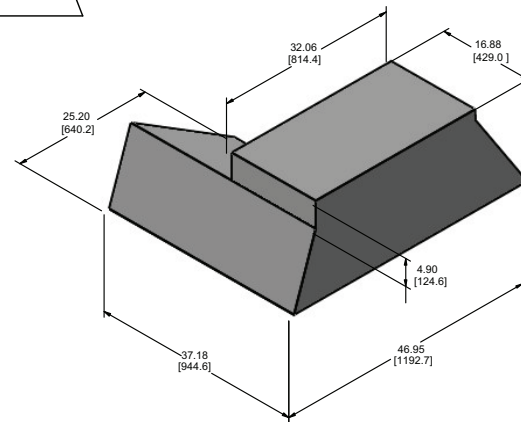
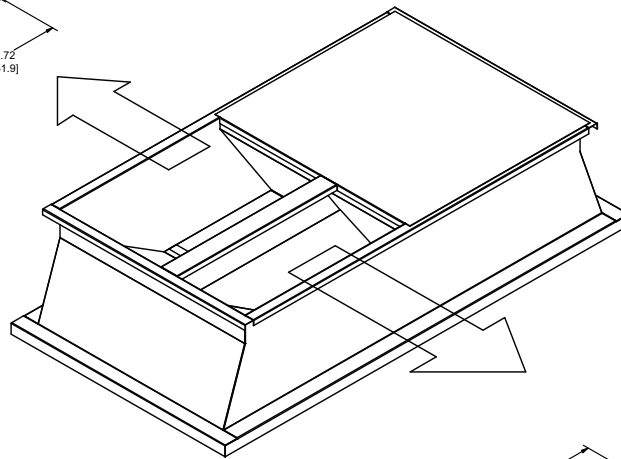


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Fig. 2 — CRLNXCURB12A00 Curb Adapter Assembly — Lennox (cont)

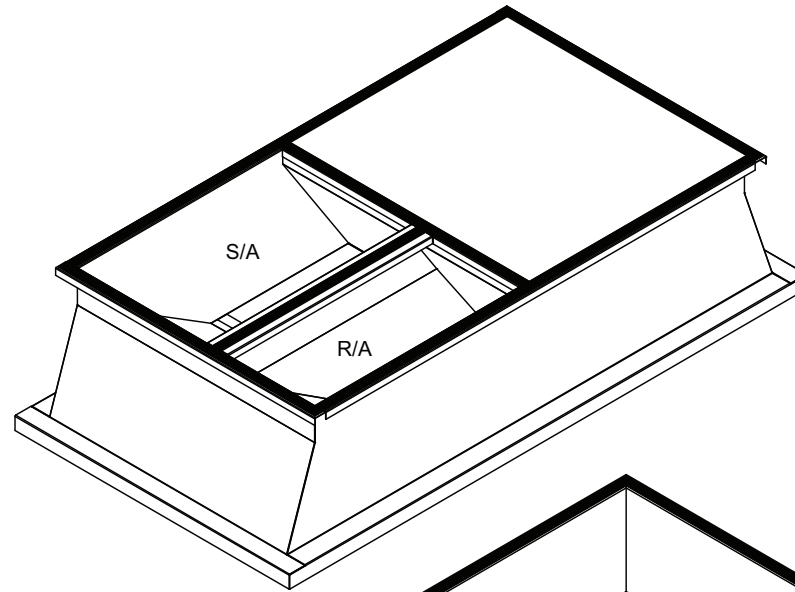
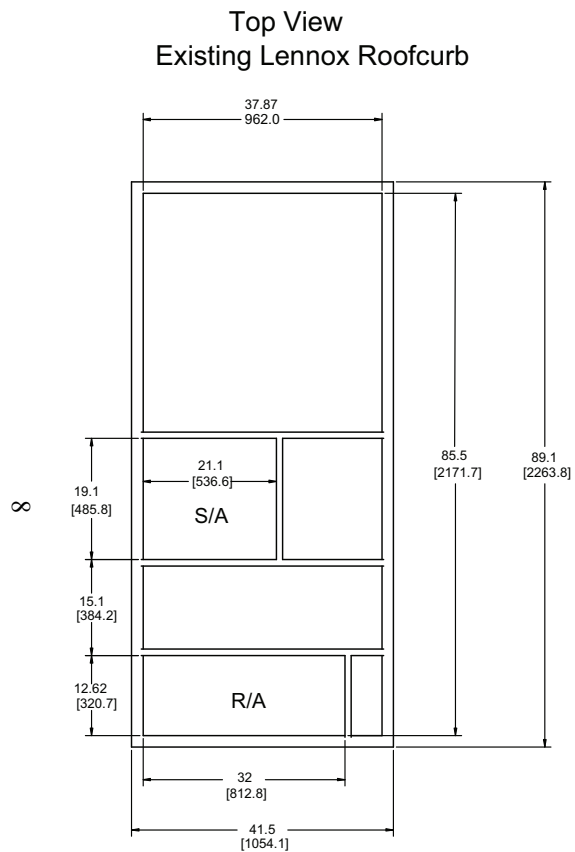


NOTE: Dimensions are in inches [mm].



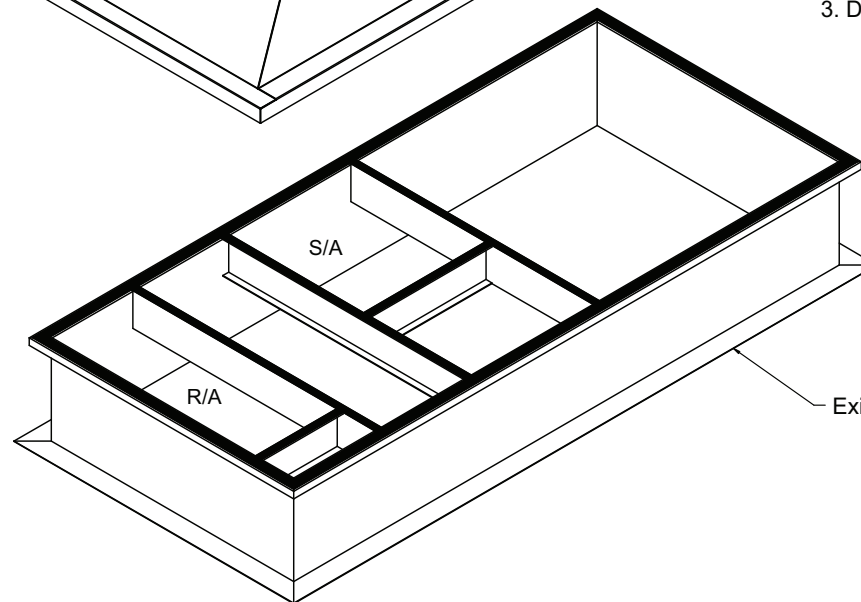
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Fig. 2 — CRLNXCURB12A00 Curb Adapter Assembly — Lennox (cont)



NOTES:

1. Install gasket on curb adapter as shown.
2. Remove existing gasket on Lennox roofcurb and re-apply as shown.
3. Dimensions are in inches [mm].



Existing Lennox Roofcurb

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Fig. 2 — CRLNXCURB12A00 Curb Adapter Assembly — Lennox (cont)

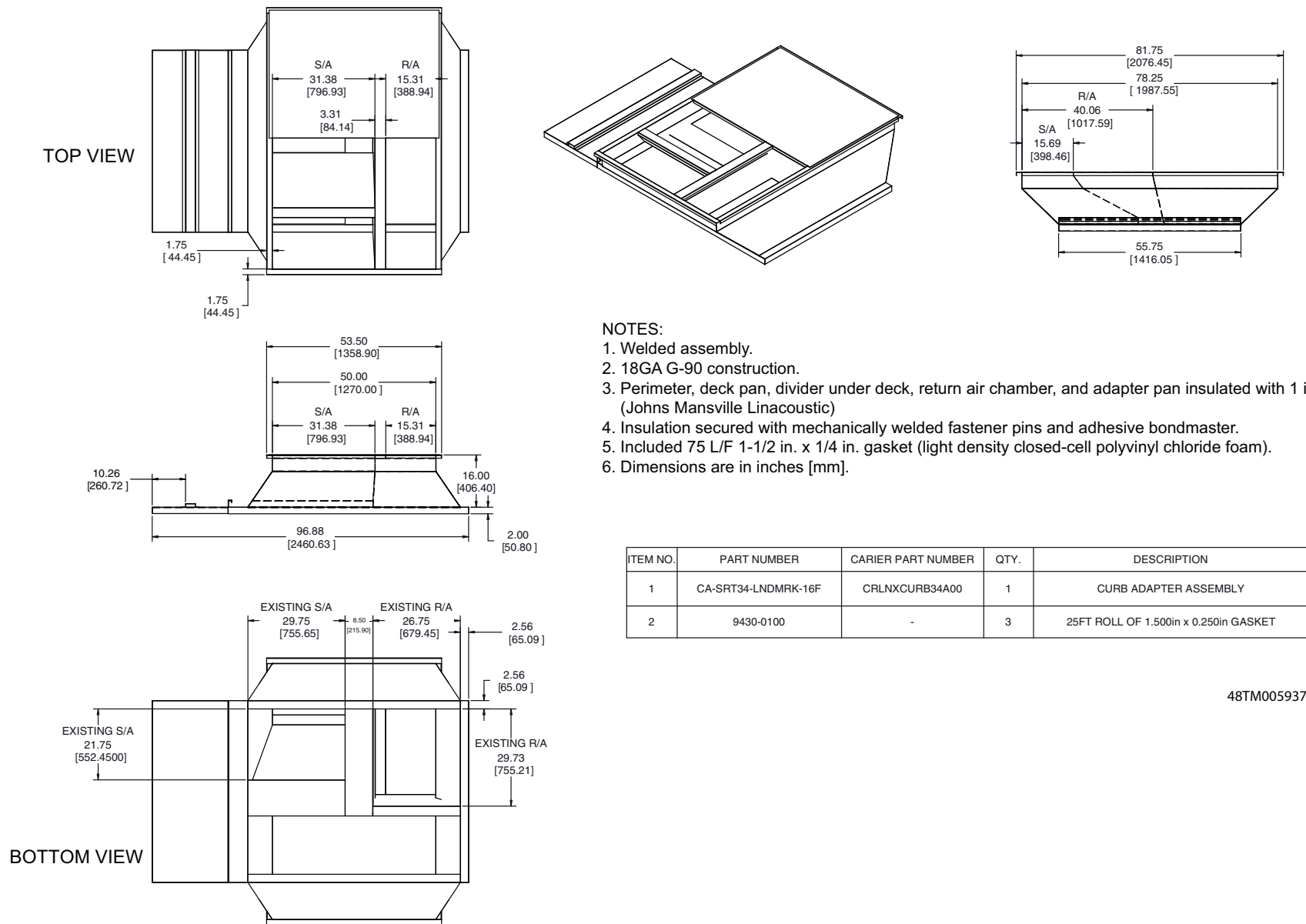
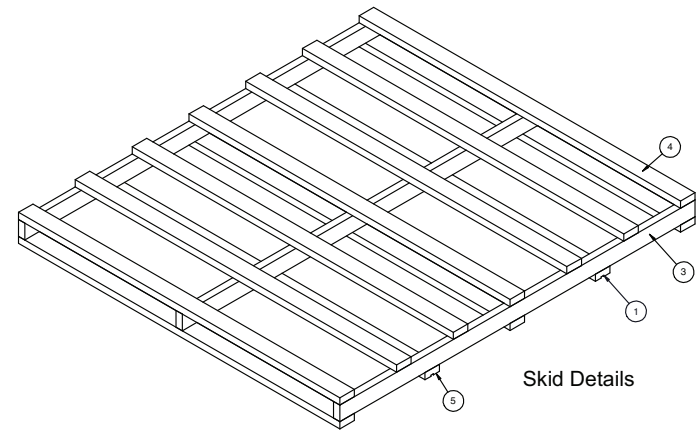
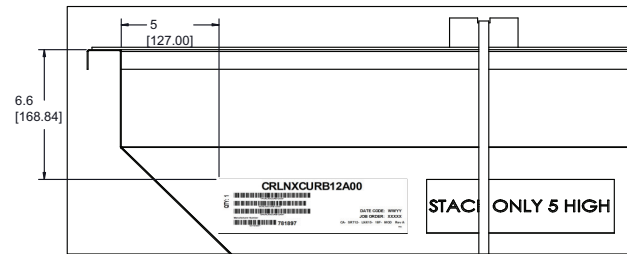
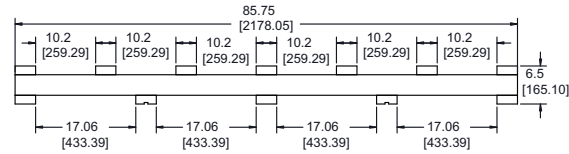
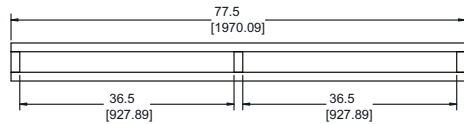


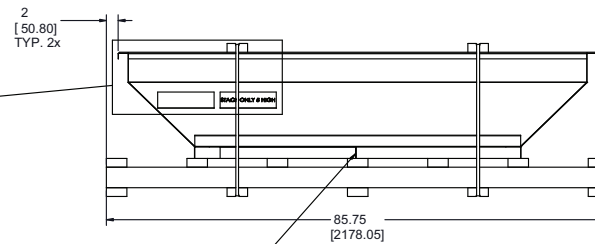
Fig. 3 — CRLNXCURB34A00 Curb Adapter Assembly — Lennox



Skid Details



DETAIL H



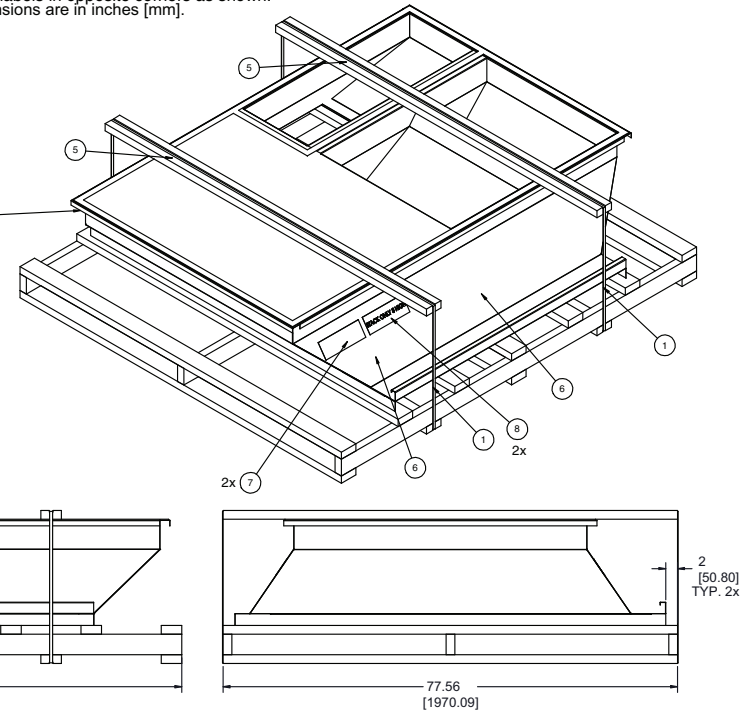
SEE NOTE 1

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	0.500in STEEL BAND	STEEL BAND	2
2	9430-0100	25FT ROLL OF 1.500in x 0.250in GASKET	3
3	9911-0015	WOOD, 2" x 4" x 85.75"	3
4	9911-0015	WOOD, 2" x 4" x 62.798"	9
5	9911-0015	WOOD, 2" x 4" x 62.798" W/ DADO GROOVE	4
6	CA-SRT34-LNDMRK-16F	CURB ADAPTER ASSEMBLY	1
7	CRLNXCURB34A00 label	LABEL	2
8	STACK ONLY 5 HIGH LABEL	LABEL	2

NOTES:

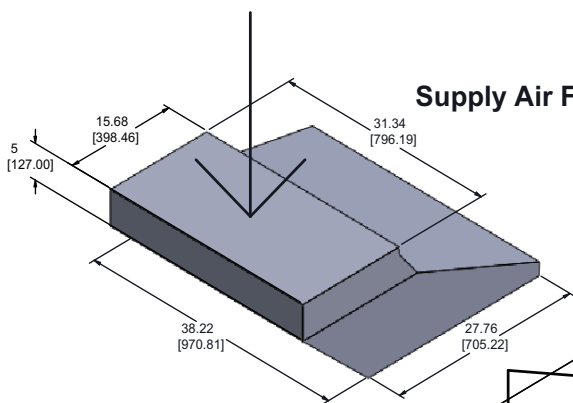
1. Place adapter pan on skid.
2. Place curb adaptor on skid over adapter pan.
3. Place labels in opposite corners as shown.
4. Dimensions are in inches [mm].

SEE NOTE 2



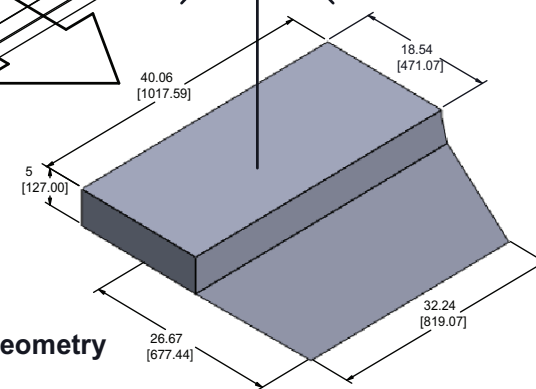
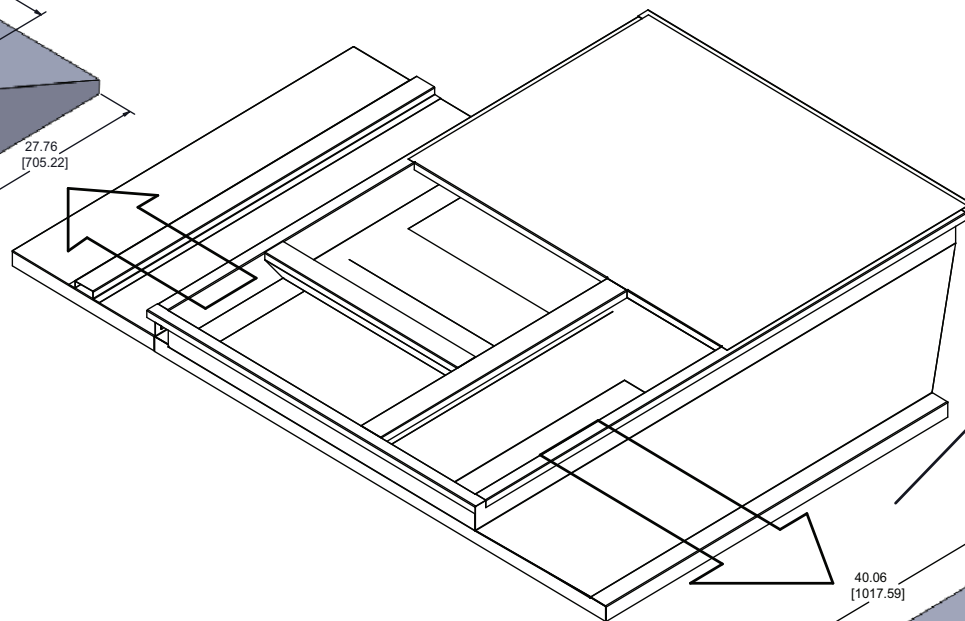
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Fig. 3 — CRLNXCURB34A00 Curb Adapter Assembly — Lennox (cont)



Supply Air Flow Plenum Geometry

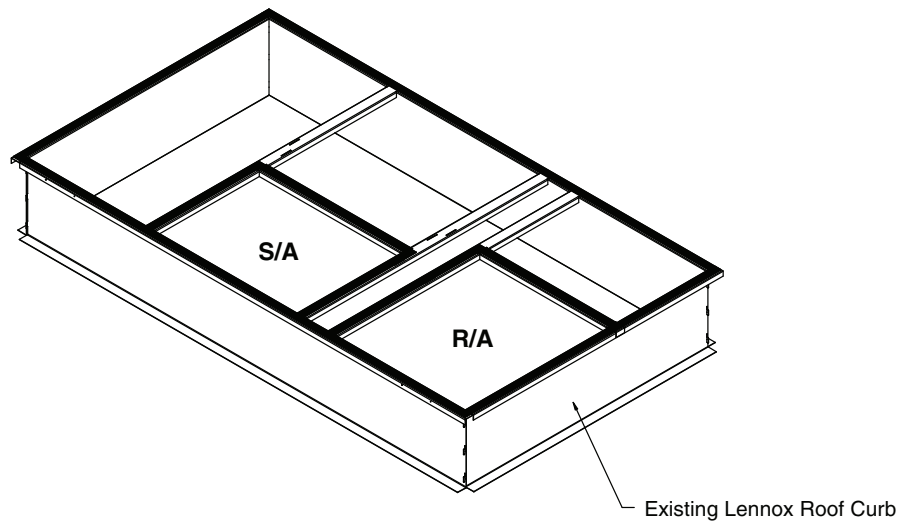
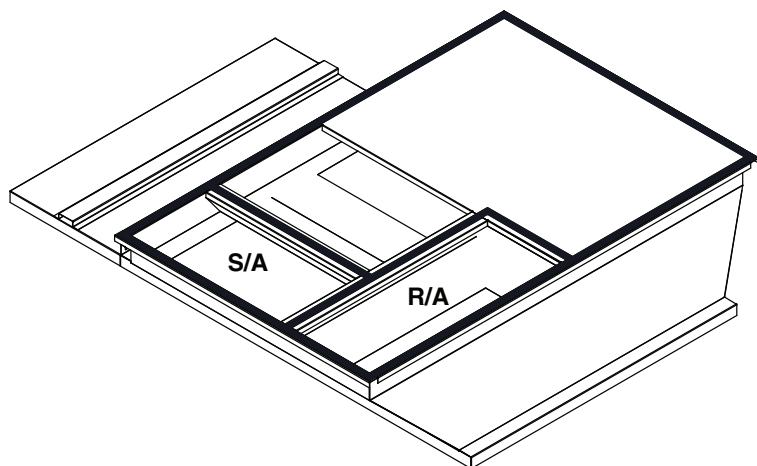
NOTE: Dimensions are in inches [mm].



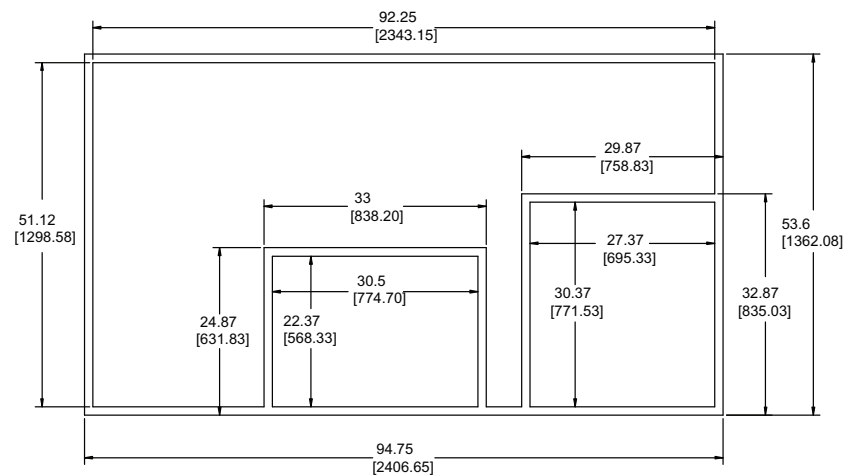
Return Air Flow Plenum Geometry

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Fig. 3 — CRLNXCURB34A00 Curb Adapter Assembly — Lennox (cont)



Top View Existing Lennox Roof Curb



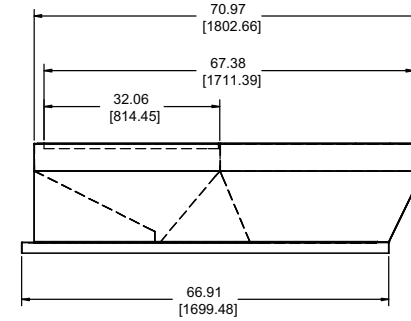
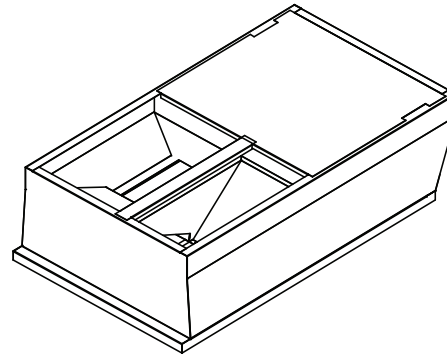
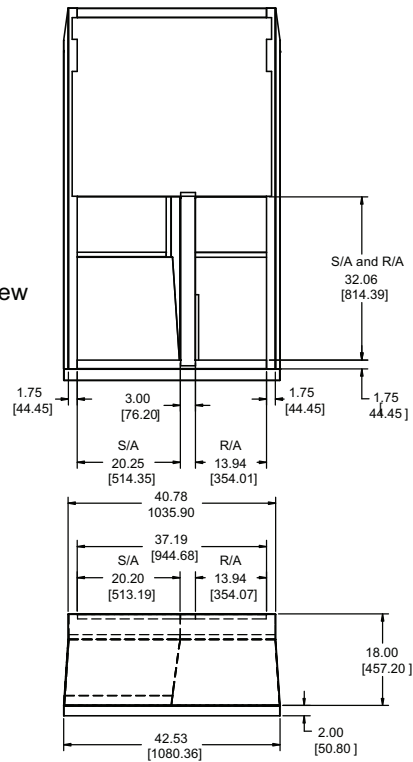
NOTES:

1. Install gasket on curb adapter as shown.
2. Remove existing gasket on Lennox roof curb and re-apply as shown.
3. Dimensions are in inches [mm].

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Fig. 3 — CRLNXCURB34A00 Curb Adapter Assembly — Lennox (cont)

Top View



NOTES:

1. Welded assembly.
2. 18GA G-90 construction.
3. Perimeter, deck pan, divider under deck, return air chamber, and adapter pan insulated with 1 in. duct liner. (Johns Mansville Linacoustic)
4. Insulation secured with mechanically welded fastener pins and adhesive bondmaster.
5. Included 75 L/F 1-1/2 in. x 1/4 in/ gasket (light density closed-cell polyvinyl chloride foam).
6. Dimensions are in inches [mm].

ITEM NO.	PART NUMBER	CARIER PART NUMBER	QTY.	DESCRIPTION
1	CA-SRT12-PRC36-18F-MOD2	CRTRACURB12A00	1	CURB ADAPTER ASSEMBLY
2	9430-0100	-	3	25FT ROLL OF 1.500in x 0.250in GASKET

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Bottom View

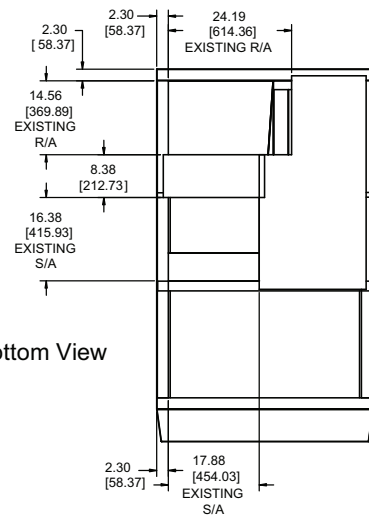
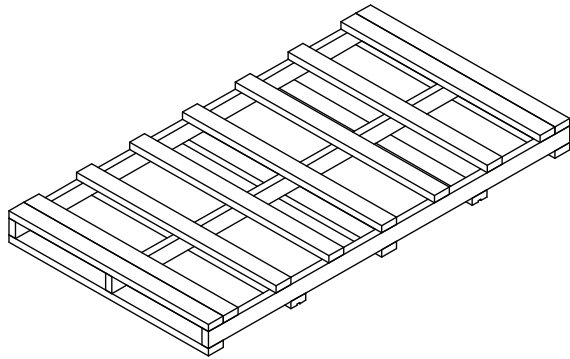


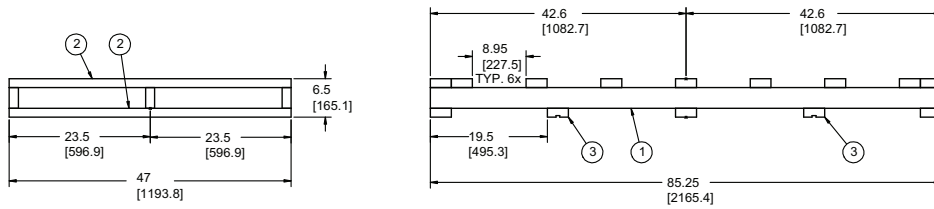
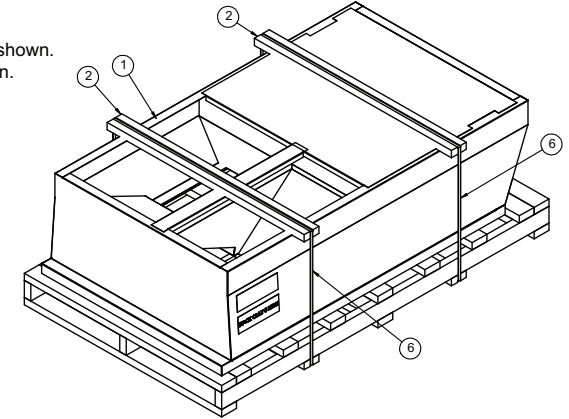
Fig. 4 — CRTRACURB12A00 Curb Adapter Assembly — Trane



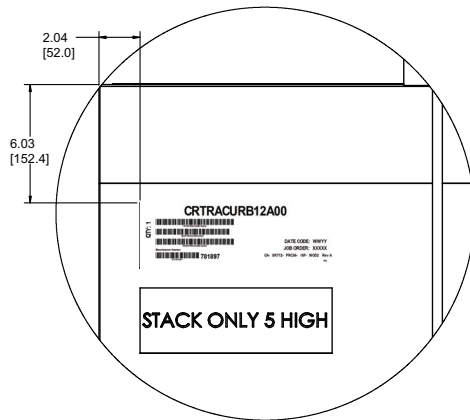
ITEM NO.	PART NUMBER	QTY.	DESCRIPTION
1	CA-SRT12-PRC36-18F-MOD2	1	CURB ADAPTER
2	9911-0015 WITH DADO GROOVE	4	WOOD 2" x 4" x 46.5"
3	9911-0015	3	WOOD 2" x 4" X 77.250"
4	9911-0015	12	WOOD 2" x 4" X 46.5"
5	9430-0100	3	25FT ROLL OF 1.500in x 0.250in GASKET
6	0.500in. STEEL BAND	2	STEEL BAND
7	CRYRKCURB12A00 label	2	LABEL
8	STACK ONLY 5 HIGH LABEL	2	LABEL

NOTES:

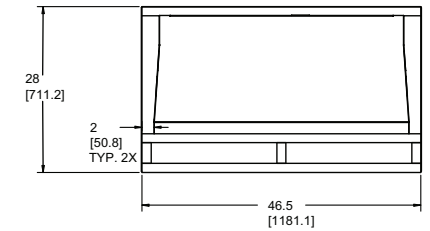
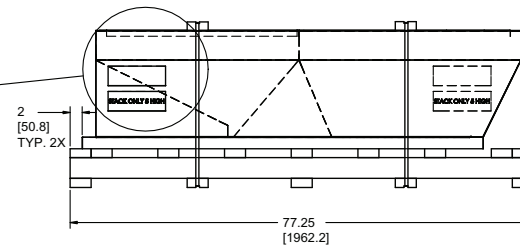
1. Place curb adapter on skid and band as shown.
2. Place labels in opposite corners as shown.
3. Dimensions are in inches [mm].



Skid Details



DETAIL E



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Fig. 4 — CRTRACURB12A00 Curb Adapter Assembly — Trane (cont)

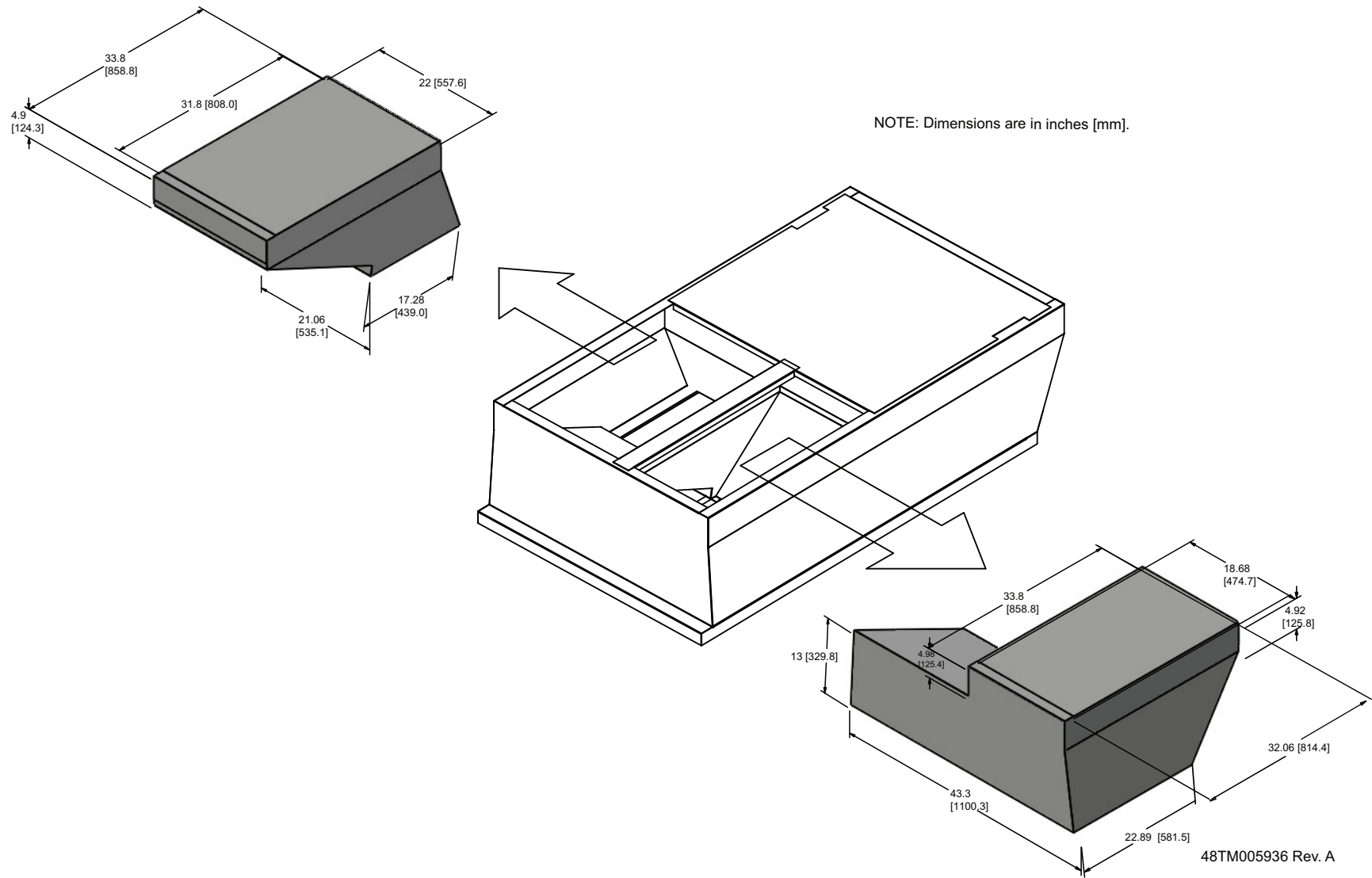
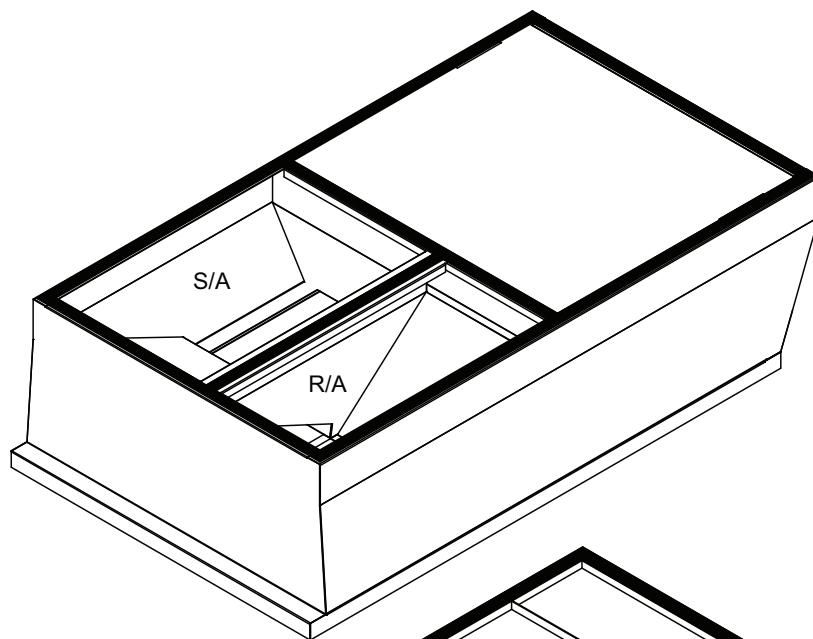
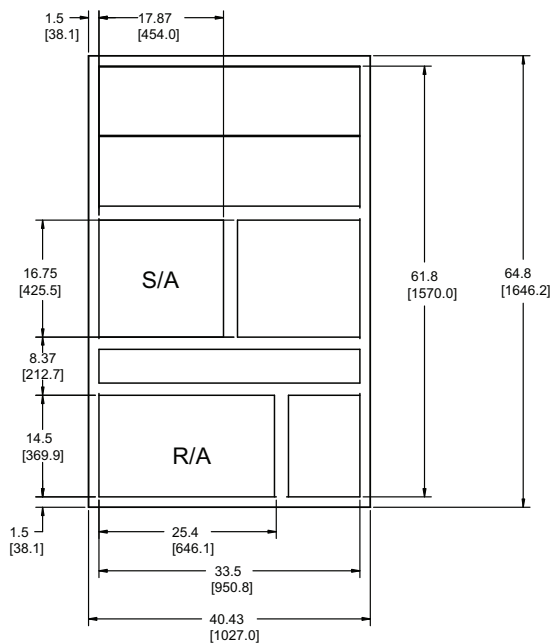


Fig. 4 — CRTRACURB12A00 Curb Adapter Assembly — Trane (cont)

Top View
Existing Trane Roofcurb



NOTES:

1. Install gasket on curb adapter as shown.
2. Remove existing gasket on Trane roofcurb and re-apply as shown.
3. Dimensions are in inches [mm].

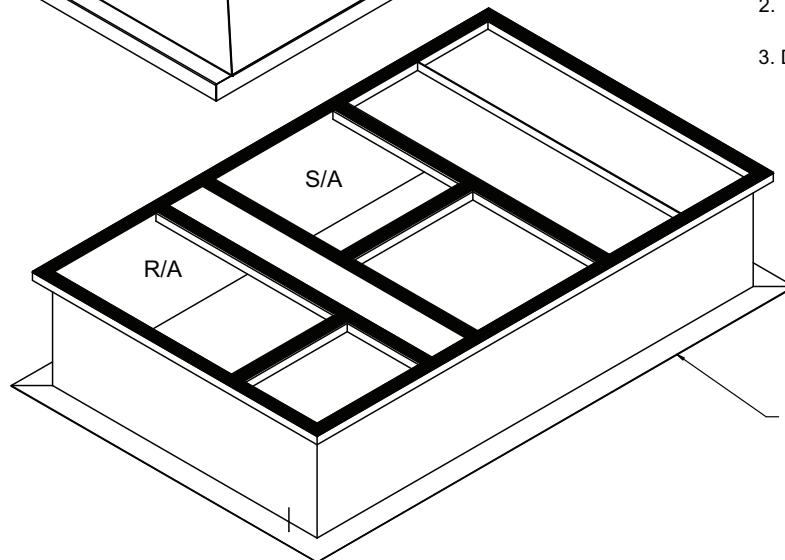
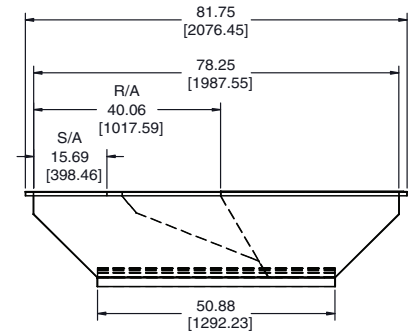
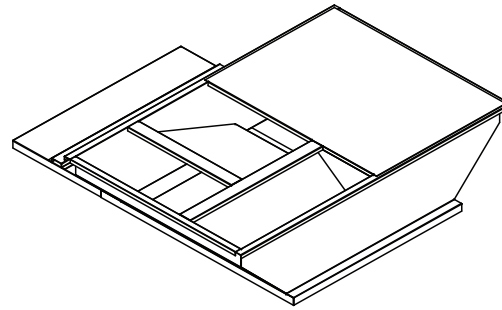
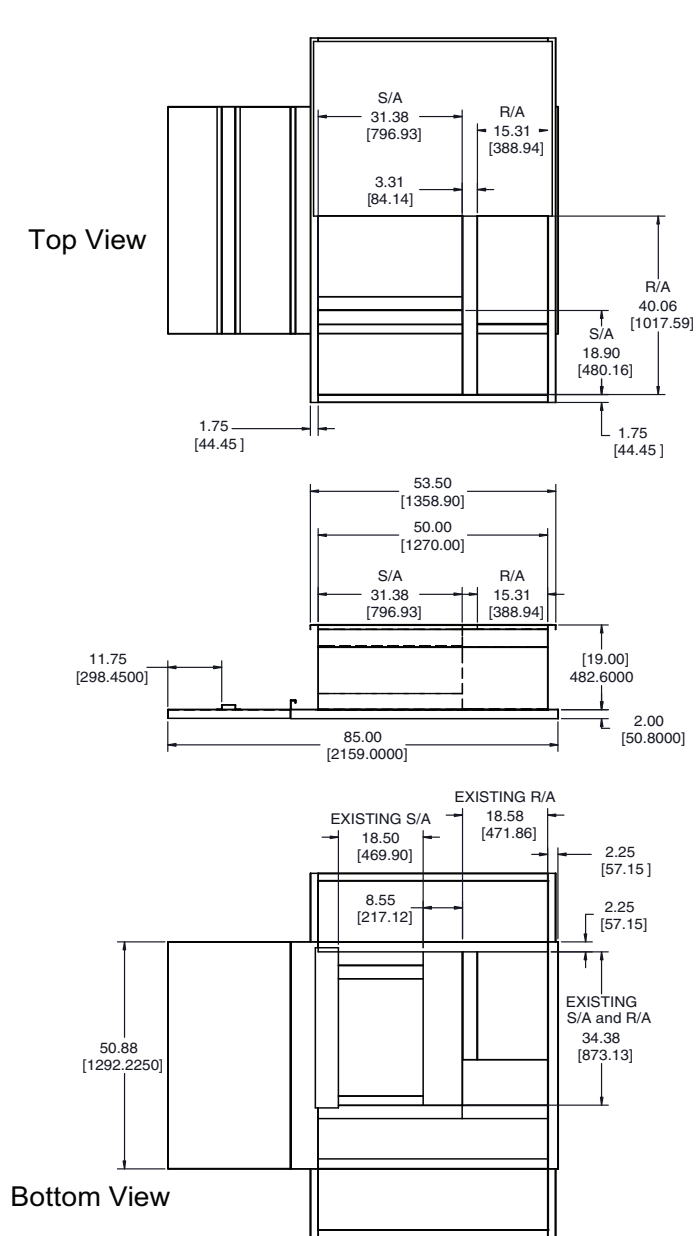


Fig. 4 — CRTRACURB12A00 Curb Adapter Assembly — Trane (cont)



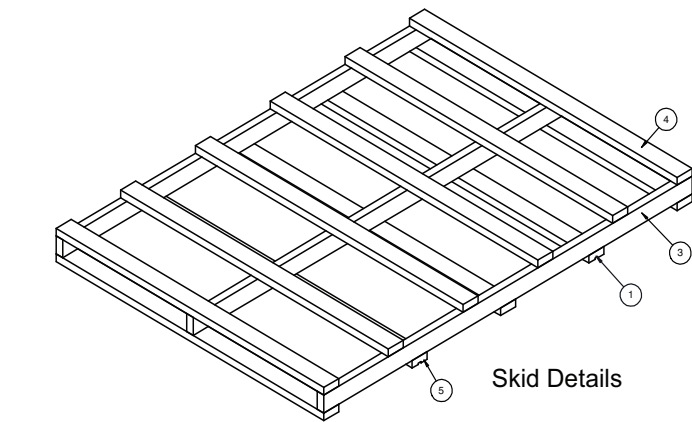
NOTES:

1. Welded assembly.
2. 18GA G-90 construction.
3. Perimeter, deck pan, divider under deck, return air chamber, and adaptor pan insulated with 1 in. duct liner (Johns Manville Linacoustic).
4. Insulation secured with mechanically welded fastener pins and adhesive bondmaster.
5. Included 75 L/F 1-1/2 in. x 1/4 in. gasket (light density closed-cell polyvinyl chloride foam).
6. Dimensions are in inches [mm].

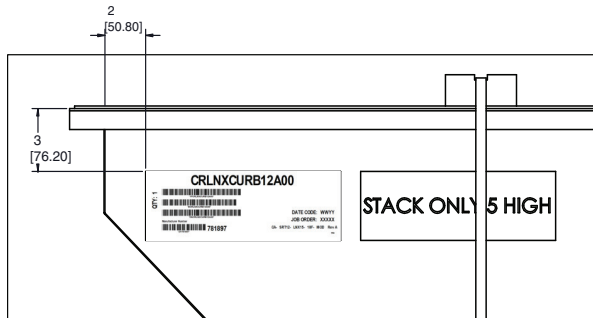
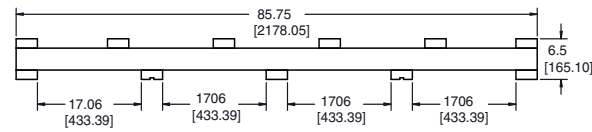
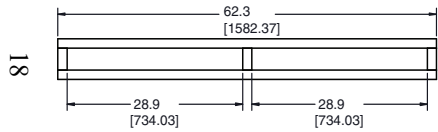
ITEM NO.	PART NUMBER	CARRIER PART NUMBER	QTY.	DESCRIPTION
1	CA-SRT34-PRC612-19F	CRTRACURB34A00	1	CURB ADAPTER ASSEMBLY
2	9430-0100	-	3	25FT ROLL OF 1.500in x 0.250in GASKET

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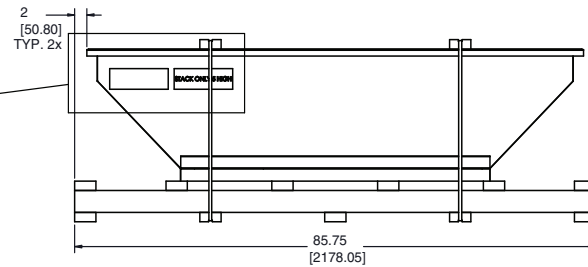
Fig. 5 — CRTRACURB34A00 Curb Adapter Assembly — Trane



Skid Details



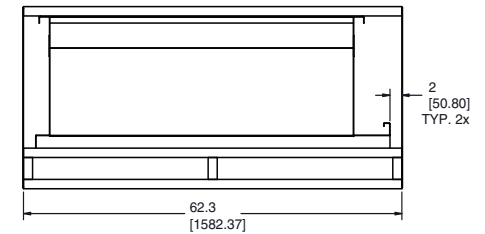
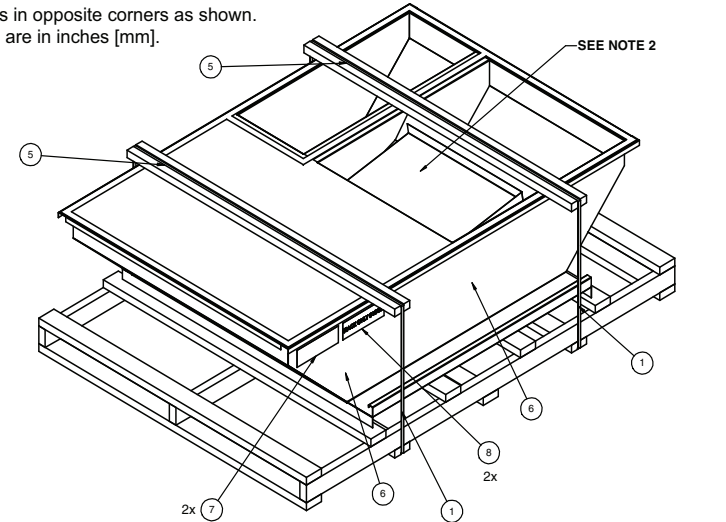
DETAIL H



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	0.500in STEEL BAND	STEEL BAND	2
2	9430-0100	25FT ROLL OF 1.500in x 0.250in GASKET	3
3	9911-0015	WOOD, 2" x 4" x 85.75"	3
4	9911-0015	WOOD, 2" x 4" x 62.798"	9
5	9911-0015	WOOD, 2" x 4" x 62.798" W/ DADO GROOVE	4
6	CRTRACURB34A00 / CA-SRT34-PRC612-19F	CURB ADAPTER ASSEMBLY	1
7	CRTRACURB34A00 label	LABEL	2
8	STACK ONLY 5 HIGH LABEL	LABEL	2

NOTES:

1. Place curb adapter on skid and band it as shown.
2. Place adapter pan in curb adapter.
3. Place labels in opposite corners as shown.
4. Dimensions are in inches [mm].



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Fig. 5 — CRTRACURB34A00 Curb Adapter Assembly — Trane (cont)

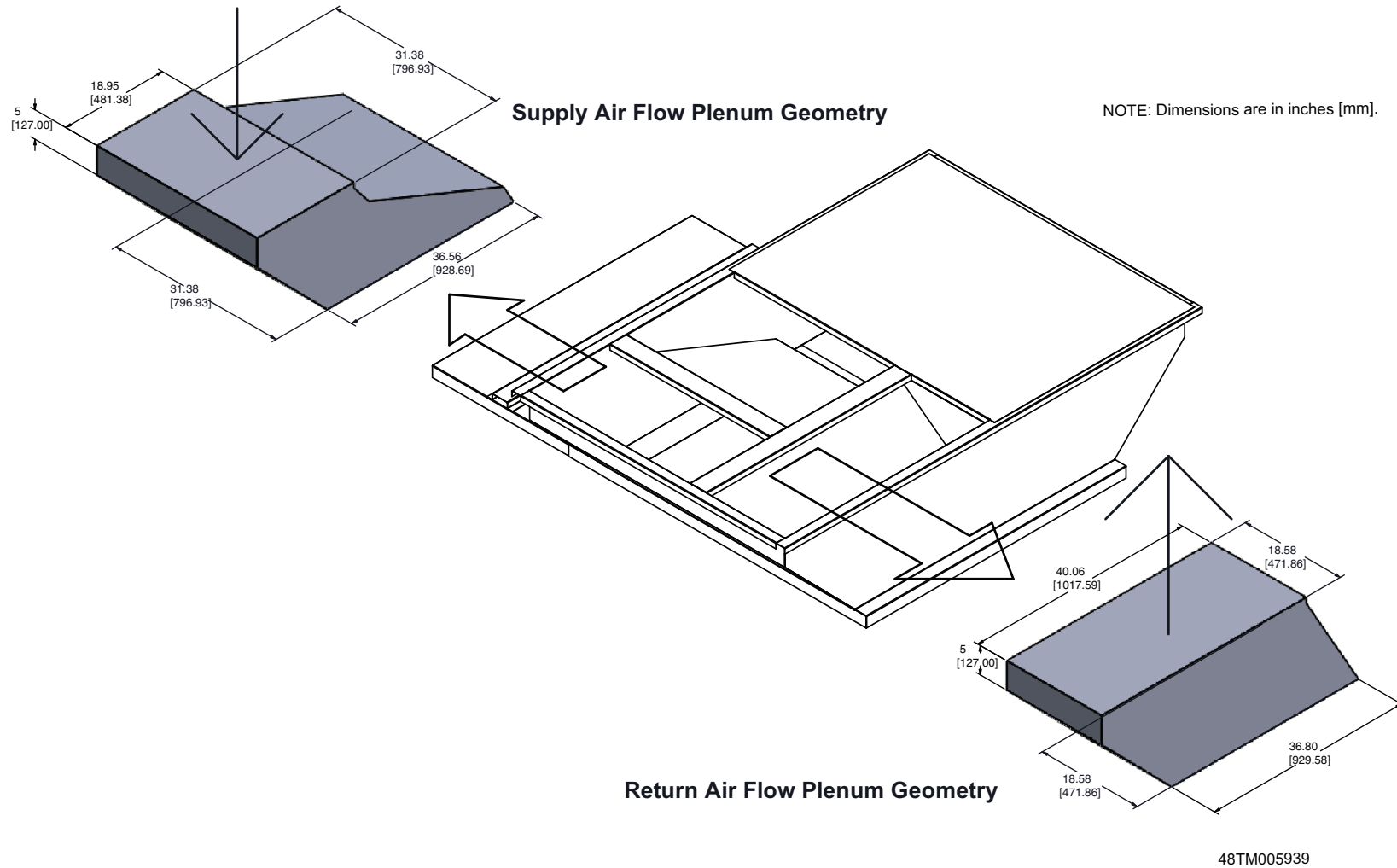
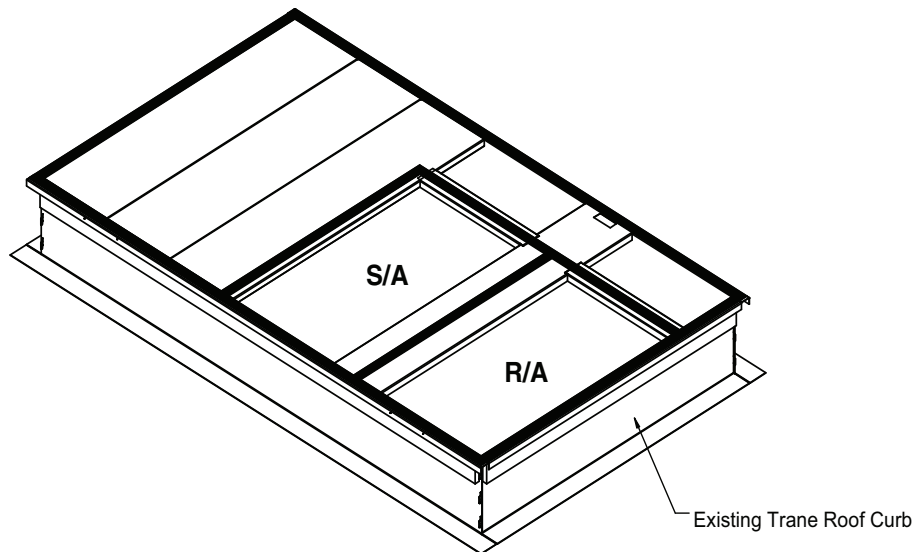
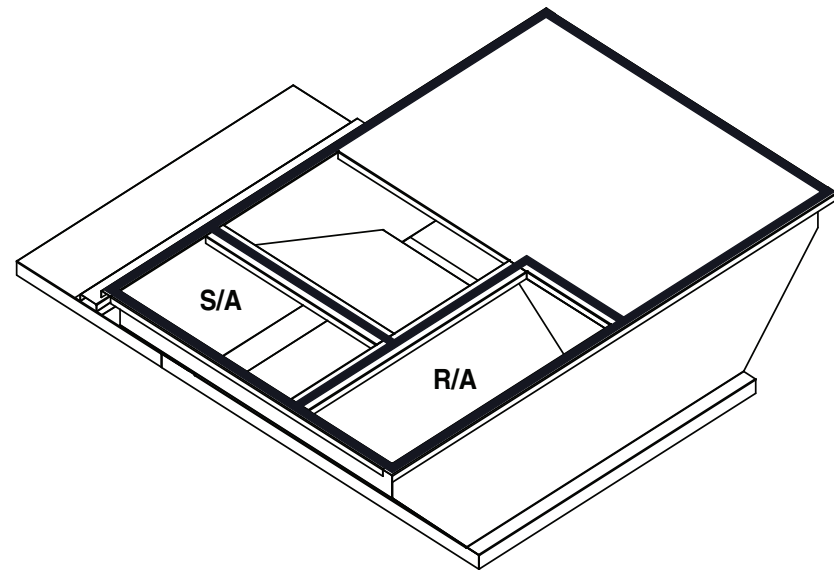
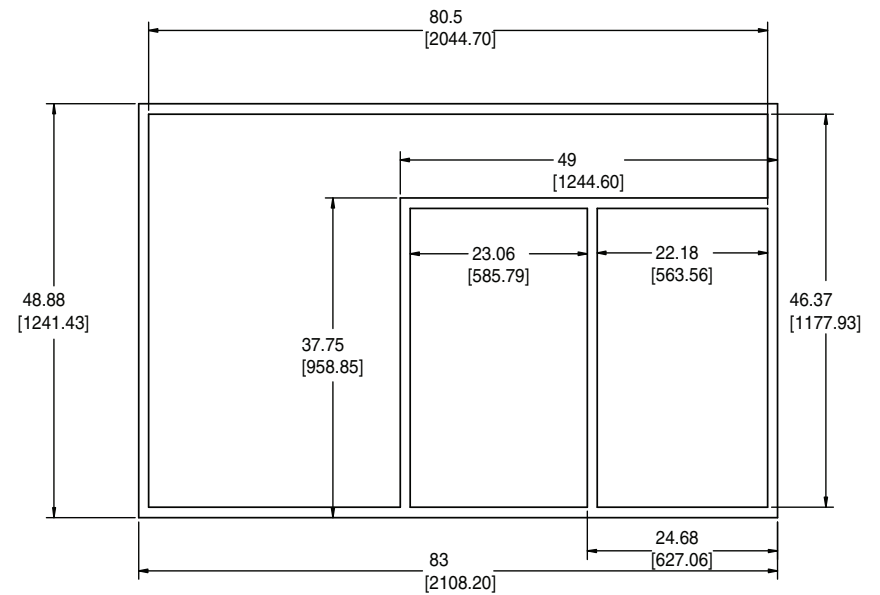


Fig. 5 — CRTRACURB34A00 Curb Adapter Assembly — Trane (cont)



Top View
Existing Trane Roof Curb

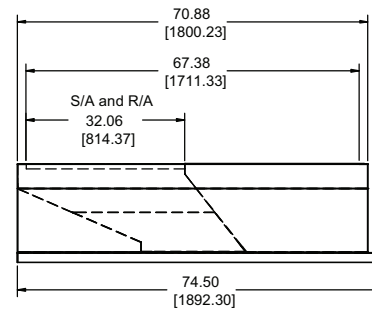
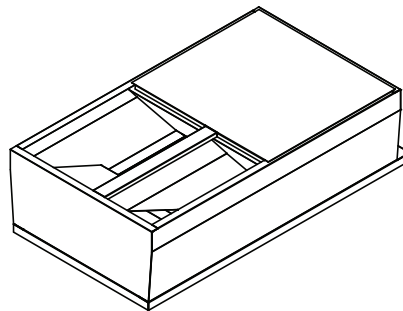
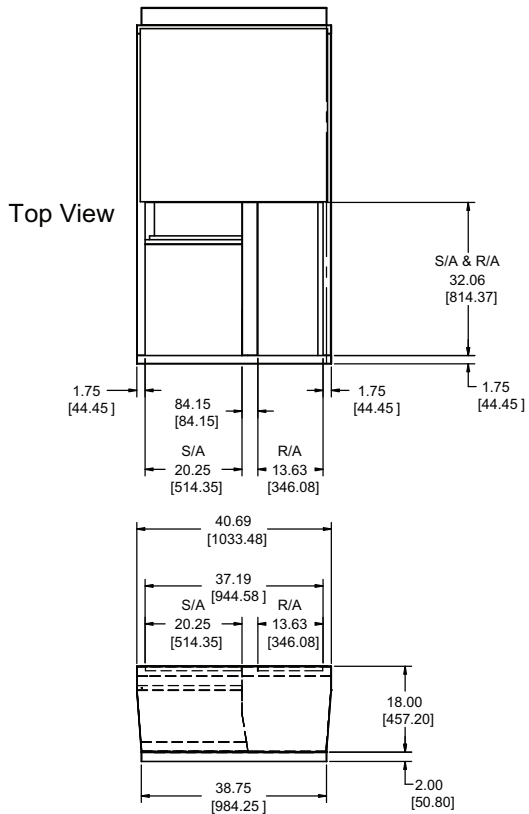


NOTES:

1. Install gasket on curb adapter as shown.
2. Remove existing gasket on York roofcurb and re-apply as shown.
3. Dimensions are in inches [mm].

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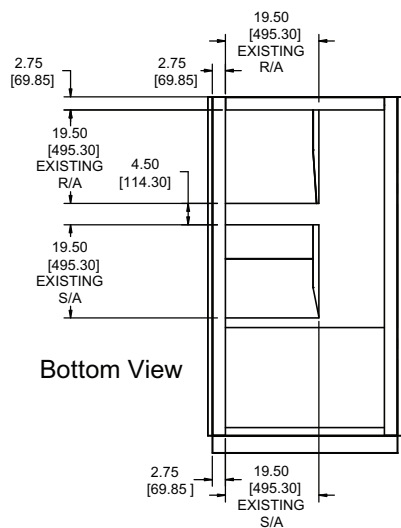
Fig. 5 — CRTRACURB34A00 Curb Adapter Assembly — Trane (cont)



NOTES:

1. Welded assembly.
2. 18GA G-90 construction.
3. Perimeter, deck pan, divider under deck, return air chamber, and adaptor pan insulated with 1 in. duct liner (Johns Manville Linacoustic).
4. Insulation secured with mechanically welded fastener pins and adhesive bondmaster.
5. Included 75 L/F 1-1/2 in. x 1/4 in. gasket (light density closed-cell polyvinyl chloride foam).
6. Dimensions are in inches [mm].

ITEM NO.	PART NUMBER	CARIER PART NUMBER	QTY.	DESCRIPTION
1	CA-SRT12-SUN-18F-MOD1	CRYRKCURB12A00	1	CURB ADAPTER ASSEMBLY
2	9430-0100	-	3	25FT ROLL OF 1.500in x 0.250in GASKET



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Fig. 6 — CRYRKCURB12A00 Curb Adapter Assembly — York

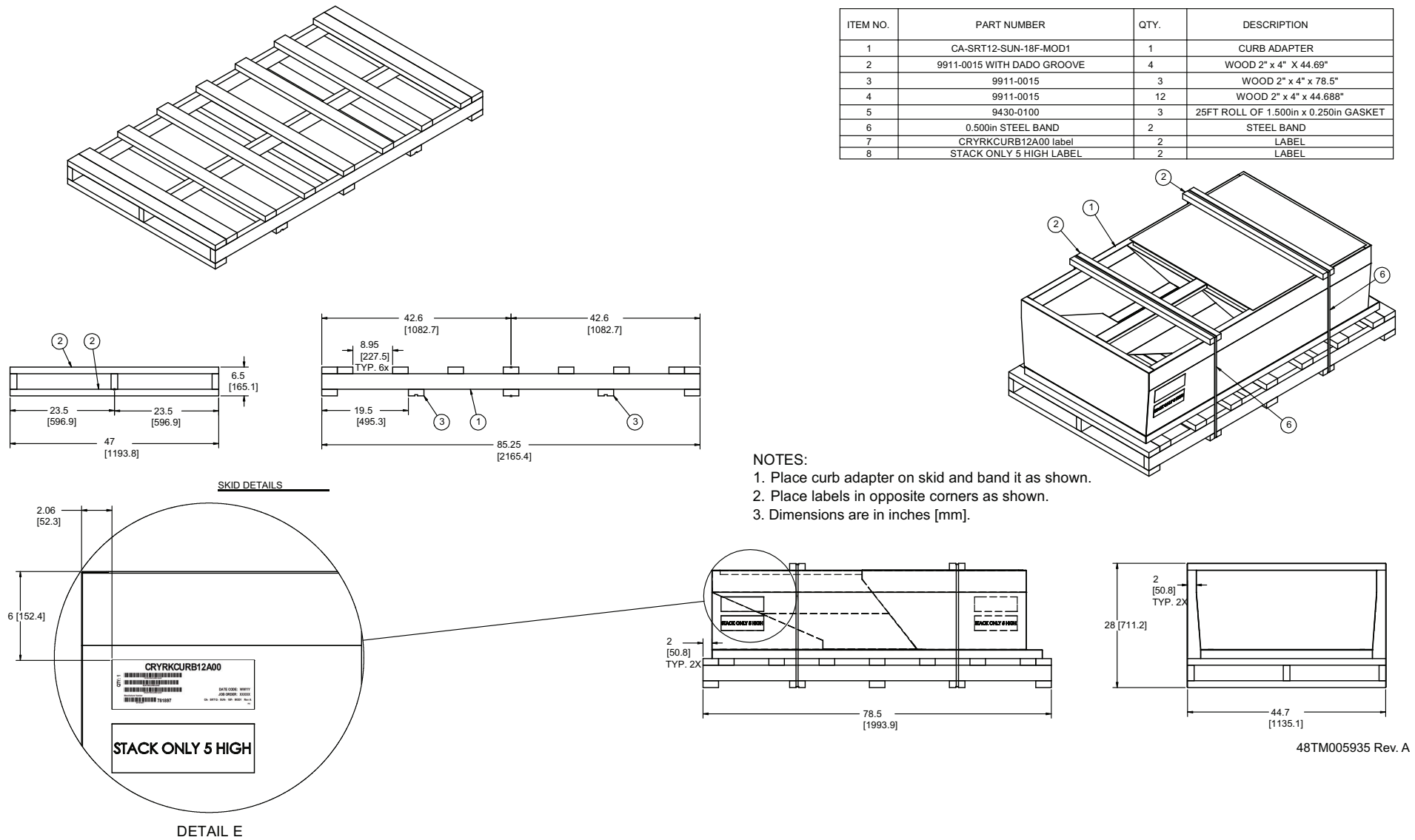
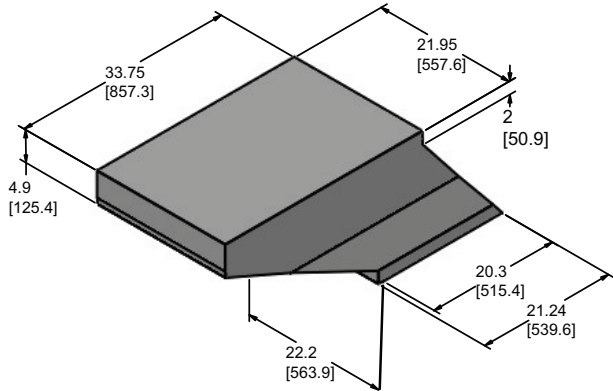
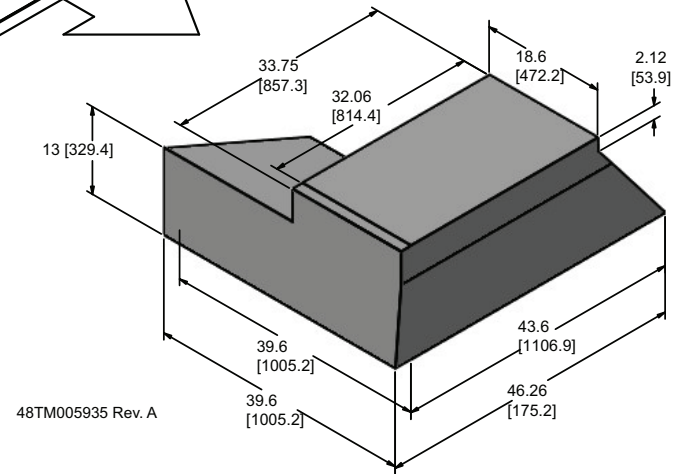
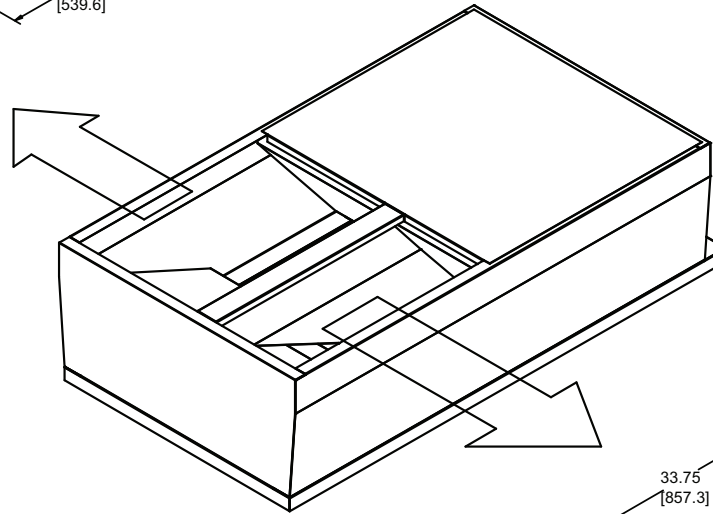


Fig. 6 — CRYRKCURB12A00 Curb Adapter Assembly — York (cont)



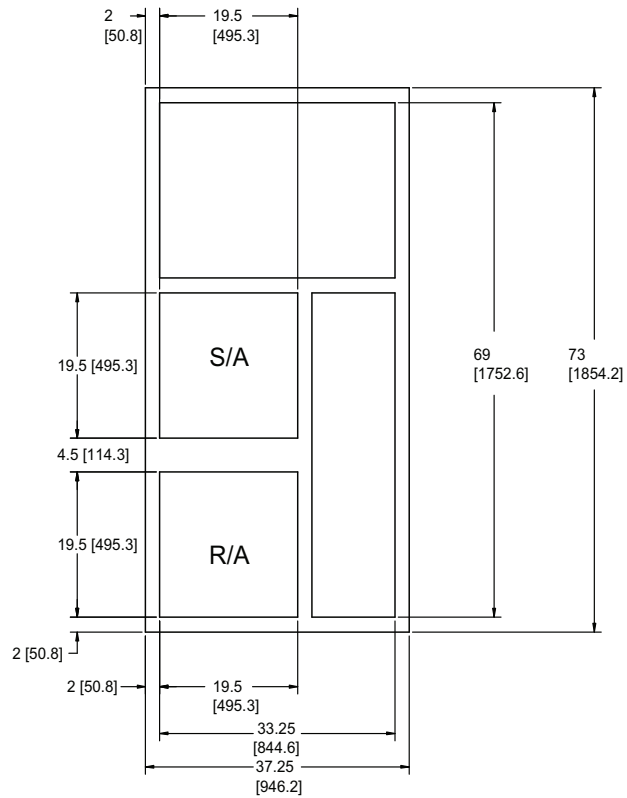
NOTE: Dimensions are in inches [mm].



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Fig. 6 — CRYRKCURB12A00 Curb Adapter Assembly — York (cont)

Top View
Existing York Roofcurb



NOTES:

1. Install gasket on curb adapter as shown.
2. Remove existing gasket on York roofcurb and re-apply as shown.
3. Dimensions are in inches [mm].

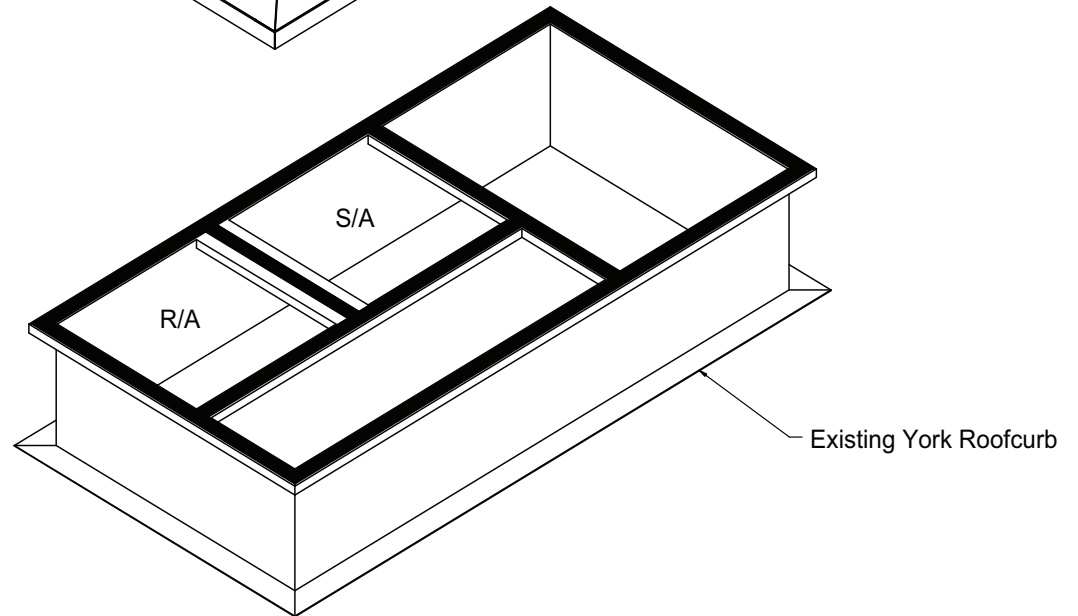
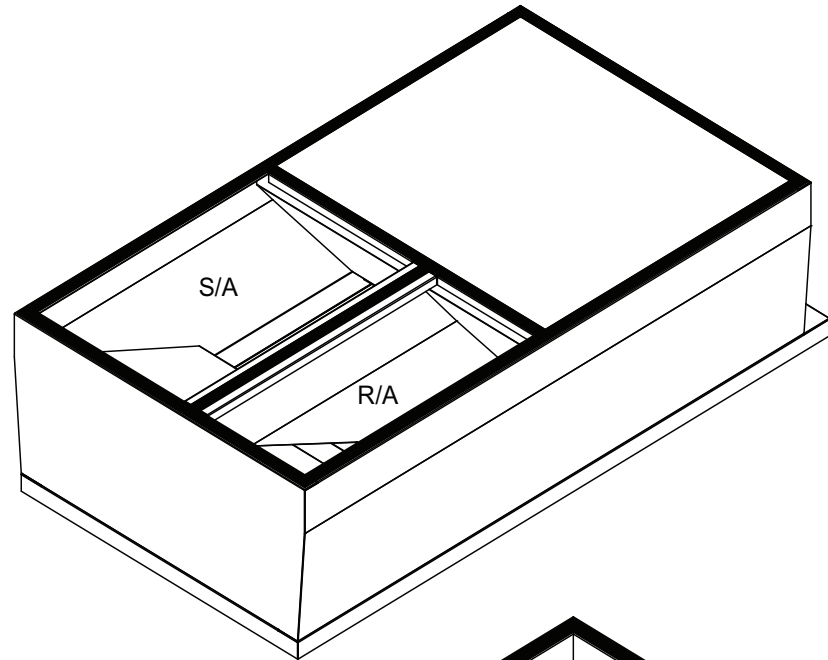
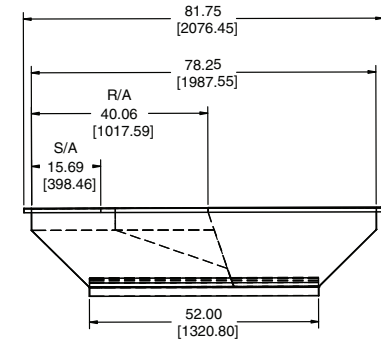
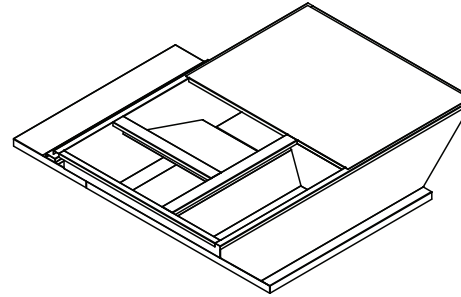
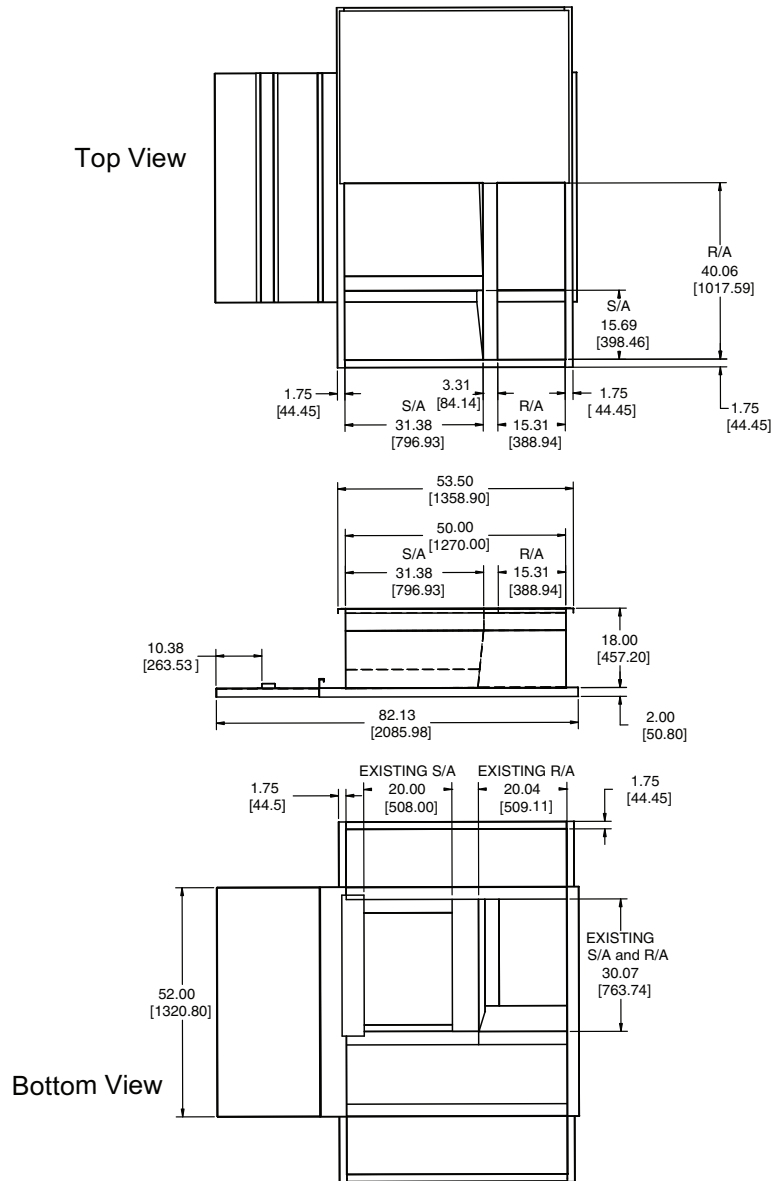


Fig. 6 — CRYRKCURB12A00 Curb Adapter Assembly — York (cont)



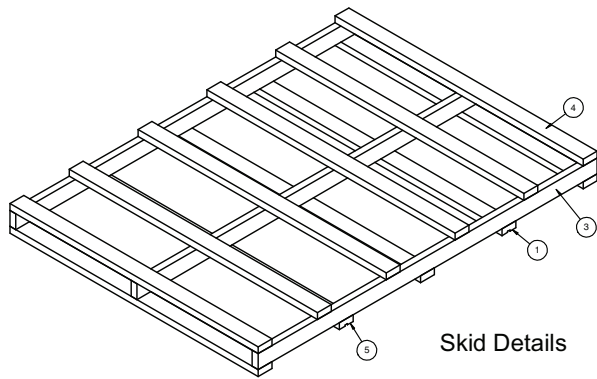
NOTES:

1. Welded assembly.
2. 18GA G-90 construction.
3. Perimeter, deck pan, divider under deck, return air chamber, and adaptor pan insulated with 1 in. duct liner (Johns Manville Linacoustic).
4. Insulation secured with mechanically welded fastener pins and adhesive bondmaster.
5. Included 75 L/F 1-1/2 in. x 1/4 in. gasket (light density closed-cell polyvinyl chloride foam).
6. Dimensions are in inches [mm].

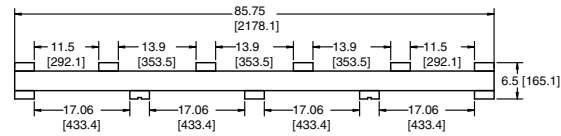
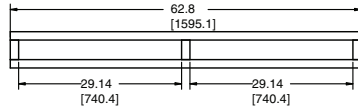
ITEM NO.	PART NUMBER	CARIER PART NUMBER	QTY.	DESCRIPTION
1	CA-SRT34-PRED-18F	CRYRKCURB34A00	1	CURB ADAPTER ASSEMBLY
2	9430-0100	-	3	25FT ROLL OF 1.500in x 0.250in GASKET

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Fig. 7 — CRYRKCURB34A00 Curb Adapter Assembly — York



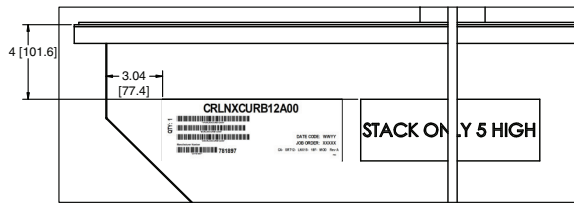
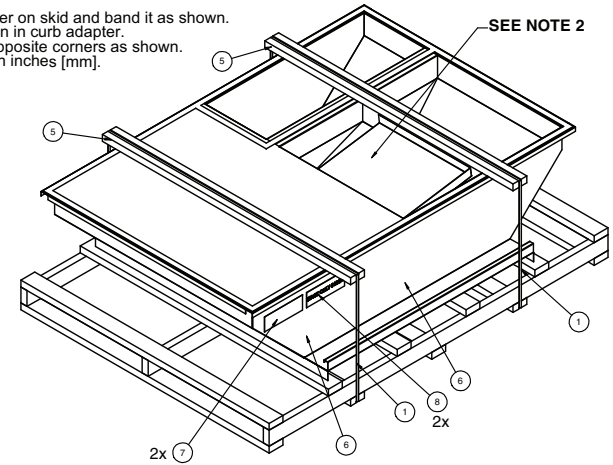
Skid Details



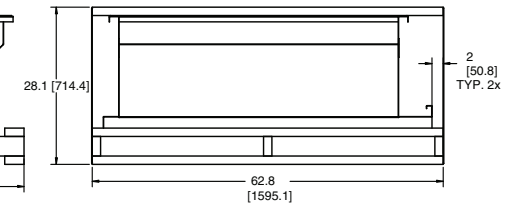
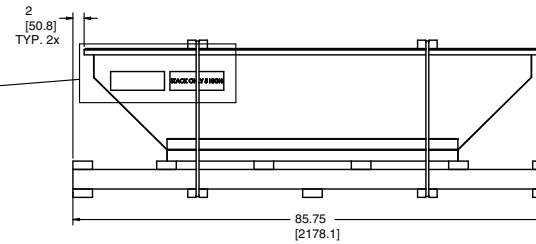
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	0.500in STEEL BAND	STEEL BAND	2
2	9430-0100	25FT ROLL OF 1.500in x 0.250in GASKET	3
3	9911-0015	WOOD, 2" x 4" x 85.75"	3
4	9911-0015	WOOD, 2" x 4" x 62.798"	9
5	9911-0015	WOOD, 2" x 4" x 62.798" W/ DADO GROOVE	4
6	CRYRKCURB34A00 / CA-SRT34-PRED-18F	CURB ADAPTER ASSEMBLY	1
7	CRYRKCURB34A00 label	LABEL	2
8	STACK ONLY 5 HIGH LABEL	LABEL	2

NOTES:

1. Place curb adapter on skid and band it as shown.
2. Place adapter pan in curb adapter.
3. Place labels in opposite corners as shown.
4. Dimensions are in inches [mm].



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Fig. 7 — CRYRKCURB34A00 Curb Adapter Assembly — York (cont)

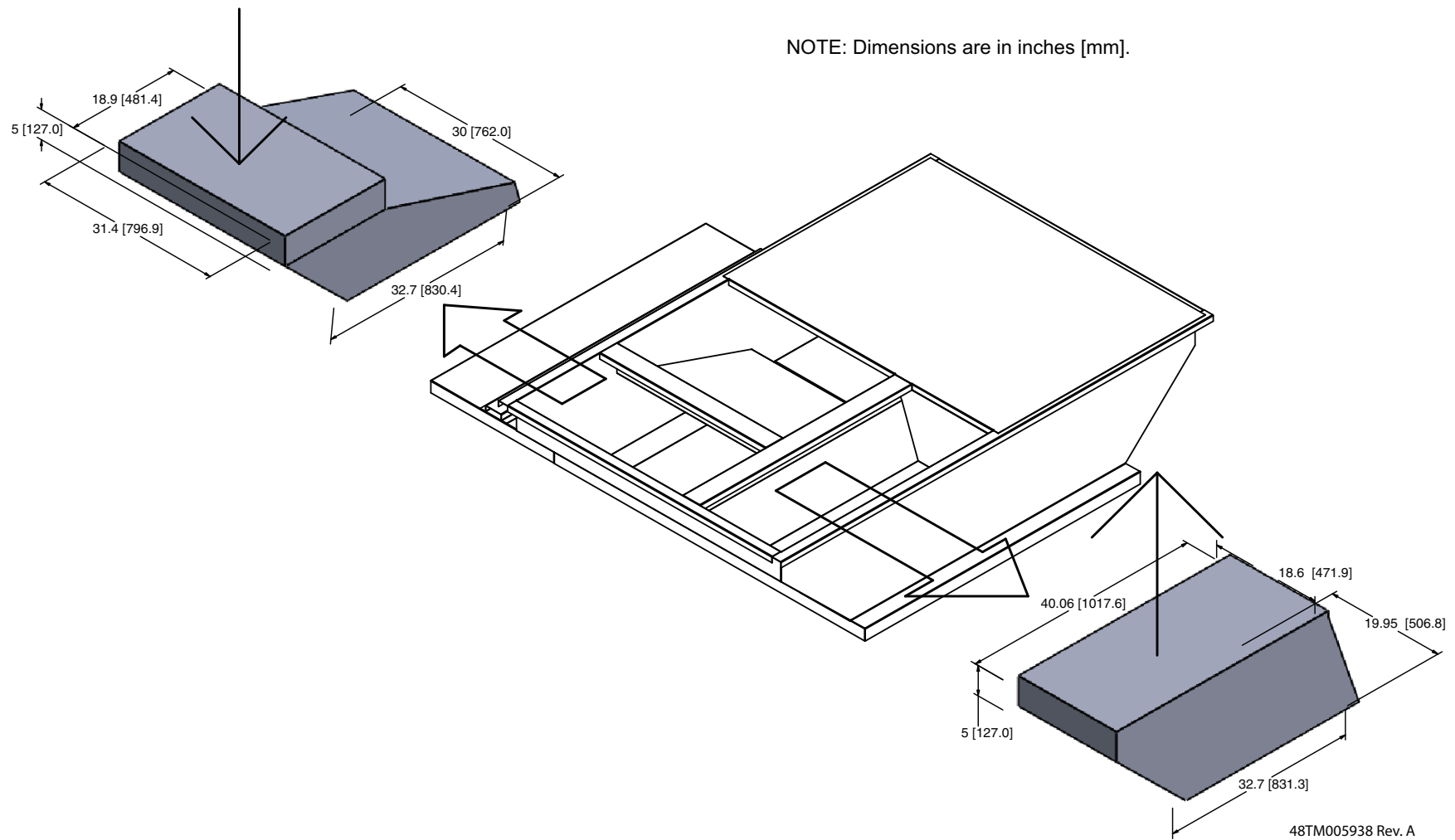
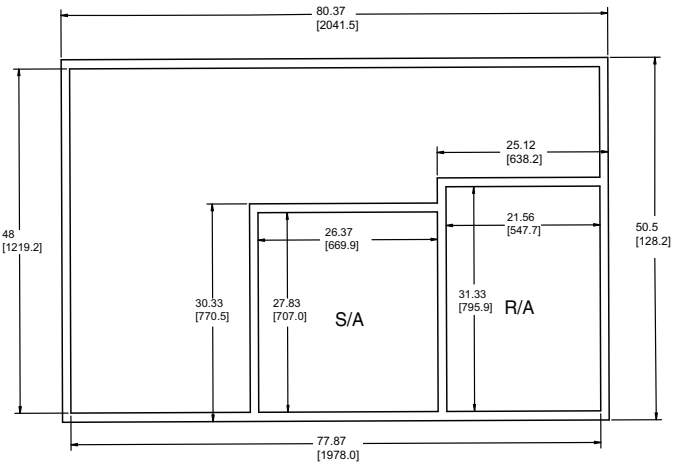
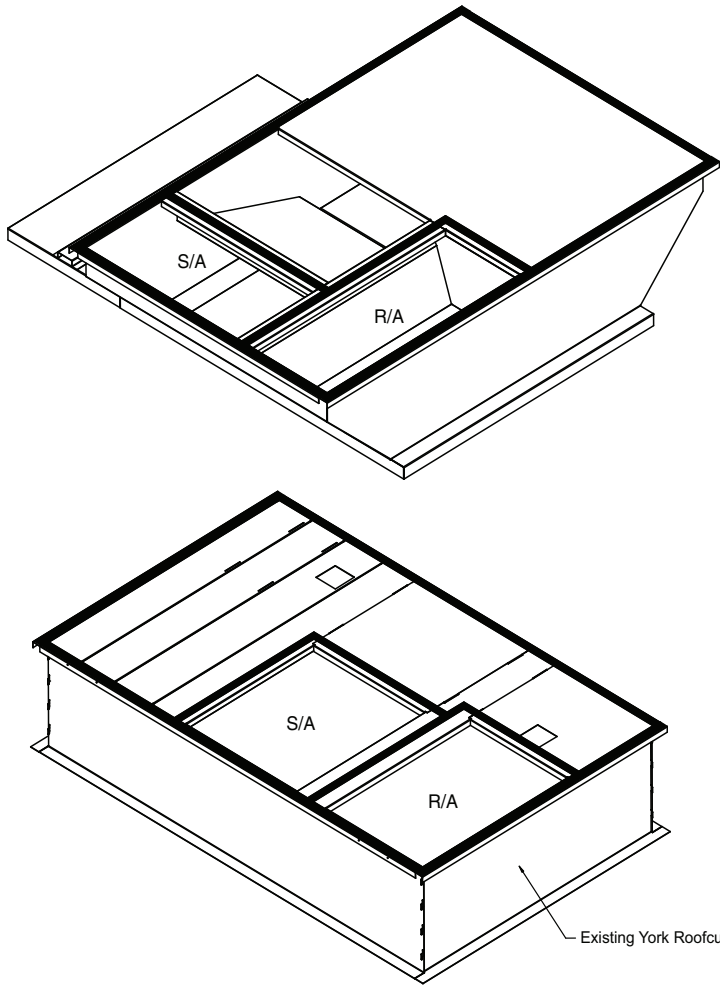


Fig. 7 — CRYRKCURB34A00 Curb Adapter Assembly — York (cont)



NOTES:

1. Install gasket on curb adapter as shown.
2. Remove existing gasket on York roofcurb and re-apply as shown.
3. Dimensions are in inches [mm].

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Fig. 7 — CRYRKCURB34A00 Curb Adapter Assembly — York (cont)