

BUTLER MANUFACTURING COMPANY
Div. of BLUESCOPE BUILDINGS NORTH AMERICA, INC.
SunLite Strip Curb Mounted Skylight
INSTALLATION ANCHORAGE DETAILS

GENERAL NOTES:

1. THE PRODUCT DESCRIBED HEREIN IS DESIGNED TO COMPLY WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE (FBC) EXCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ) AT THE DESIGN PRESSURES STATED HEREIN. THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED ARCHITECTURAL TESTING/INTERTEK TEST REPORT NO. D9701.01-301-18, DATED 02/27/15 AND ASSOCIATED LABORATORY DRAWINGS AND BY SIGNED AND SEALED INTERTEK TEST REPORT NO. J0457.01-303-18, DATED 04/05/19 AND ASSOCIATED LABORATORY DRAWINGS.
2. ADEQUACY OF THE EXISTING BLUESCOPE BUILDING NORTH AMERICA ROOF DECK TO ACT AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE STRUCTURE IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.
3. THIS PRODUCT IS NOT REQUIRED TO USE AN IMPACT PROTECTIVE SYSTEM THAT COMPLIES WITH THE FLORIDA BUILDING CODE IN THE WIND BORNE REGION OR THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
4. MATERIALS:
 - 4.1. SKYLIGHT: KINGSPAN LIGHT + AIR SERIES NO. PVCHW-CM-2-PC-PM SKYLIGHT (INTERTEK TEST REPORT NO. J0457.01-303-18, DATED 04/05/19). INNER AND OUTER DOME GLAZING AS FOLLOWS.
 - 4.1.1. EXTERIOR (OUTER DOME) GLAZING: 0.177" THICK POLYCARBONATE GLAZING BY PLASKOLITE, LLC TUFFAK POLYCARBONATE SHEET PER LATEST MIAMI-DADE NOTICE OF ACCEPTANCE (NOA) COMPONENT APPROVAL.
 - 4.1.2. INTERIOR (INNER DOME) GLAZING: 0.118" THICK POLYCARBONATE PRISMATIC GLAZING BY PLASKOLITE, LLC DURAPLEX ACRYLIC PLASTIC SHEET PER LATEST MIAMI-DADE NOTICE OF ACCEPTANCE (NOA) COMPONENT APPROVAL.
 - 4.2. SKYLIGHT CURB AND SUPPORT STRUCTURE
 - 4.2.1. ITEM NO. 10, CURB (ASSEMBLY): 3003-H14 ALUMINUM, 0.080" THICK
 - 4.2.2. ITEM NO. 12, DIVERTER: 3003-H14 ALUMINUM, 0.080" THICK
 - 4.2.3. ITEM NO. 13, SUPPORT CHANNEL (SKYLIGHT SIDES): 14 GA (0.075") G90 GALVANIZED
 - 4.2.4. ITEM NO. 14, SUPPORT CHANNEL (SKYLIGHT ENDS): 14 GA (0.075") G90 GALVANIZED
 - 4.2.5. ITEM NO. 16, CURB SHELL (COMPONENT - ENDS): 3003-H14 ALUMINUM, 0.080" THICK
 - 4.2.6. ITEM NO. 17, CURB SHELL (COMPONENT - SIDES): 3003-H14 ALUMINUM, 0.080" THICK

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN. SEE ISOMETRIC VIEW ON SHEETS 2 & 3 AND SECTION VIEWS ON SHEETS 4, 5 AND 6 FOR INSTALLATION ANCHOR LOCATION AND TYPE.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED ARE THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION. ANCHORS ARE TO MATCH TYPE, SIZE, AND EMBEDMENT OF THOSE SHOWN HEREIN.
3. REFER TO BUTLER MANUFACTURING SUNLITE STRIP CURB MOUNTED SKYLIGHT INSTALLATION MANUAL FOR TYPICAL MR-24 ROOF SYSTEM APPLICATIONS, FORM NO. 6591, DATED 7-28-20 OR LATER FOR COMPLETE INSTALLATION REQUIREMENTS, DETAILED INSTRUCTIONS AND ILLUSTRATIONS.
4. ANCHORAGE REQUIREMENTS
 - 4.1. SECURE CURB FRAME (ITEM NO. 10) TO SUPPORT CHANNEL (ITEM NO. 13 AND 14) AND ROOF PANEL (BY OTHERS)
 - 4.1.1. USE ITEM NO. 7, 1/4"-14 x 7/8" SS SELF-DRILLING SCREW 6" O.C. SHOWN ON SHEET 3 THROUGH 6.
 - 4.1.2. USE ITEM NO. 6, PANLASTIC TAPE BETWEEN UNDERSIDE OF CURB FRAME (ITEM NO. 10) AND ROOF PANEL SHOWN ON SHEET 3 THROUGH 6.
 - 4.2. SECURE DIVERTER (ITEM NO. 12) TO ROOF PANEL (BY OTHERS)
 - 4.2.1. USE ITEM NO. 7, 1/4"-14 x 7/8" SS SELF-DRILLING SCREW, 6 FASTENERS EVENLY SPACED BETWEEN DIVERTER AND ROOF PANEL AS SHOWN ON SHEET 3 AND 5.
 - 4.2.2. USE ITEM NO. 7, 1/4"-14 x 7/8" SS SELF-DRILLING SCREW, 2 FASTENERS BETWEEN DIVERTER AND HIGH END OF CURB, AS SHOWN ON SHEET 3 AND 5
 - 4.3. SECURE TERMINATION BAR (ITEM NO. 9) TO CURB FRAME (ITEM NO. 10)
 - 4.3.1. USE ITEM NO. 8, #12 x 1" SELF-DRILLING TEK SCREW 6" O.C. AS SHOWN ON SHEET 4.
 - 4.4. SECURE SKYLIGHT (ITEM NO. 15) THROUGH ALUMINUM CAP EXTRUSION (ITEM NO. 21) TO CURB FRAME (ITEM NO. 10)
 - 4.4.1. USE ITEM NO. 18, #12-14 x 1 1/4" MINI POINT TEK SCREW 9" O.C. AS SHOWN ON SHEET 4, 5 AND 6.

PERFORMANCE RATING	
DESIGN PRESSURE RATING (PSF)	IMPACT RATING
+40/-60	LARGE MISSILE IMPACT
NOTES	
1) TESTING PER TAS 202 FOR AIR, WATER AND STRUCTURAL AND TAS 201/203 FOR IMPACT & CYCLIC LOADING	
2) HVHZ LARGE MISSILE IMPACT EQUIVALENT TO WIND ZONE 4, MISSILE LEVEL D	

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL NOTES, INSTALLATION NOTES, DP CHART
2	ELEVATION VIEWS - ANCHOR ELEVATION
3	ISOMETRIC VIEW - CURB
4	SECTION A-A
5	SECTION B-B
6	SECTION C-C
7	CURB ASSEMBLY
8	CURB SHELL AND DIVERTER
9	SUPPORT CHANNELS
10	BILL OF MATERIALS

PROJECT NO. 420-0101				
C	UPDATE TO THE 7th EDITION (2020) FBC	9/4/20	RJA	
B	UPDATE FOR NEW SKYLIGHT MODEL	4/11/19	RJA	
A	UPDATE TO THE 6th EDITION (2017) FBC	12/11/17	RJA	
REV	DESCRIPTION	DATE	BY	

BUTLER Manufacturing COMPANY 1540 Genessee St. Kansas City, MO 64102		SunLite Strip Curb Mounted Skylight GENERAL AND INSTALLATION NOTES & DP CHART	
TITLE:			
PREPARED BY:  PTC Product Design Group, LLC		DRAWN BY: JBH	DATE: 07/24/15
		SCALE: N.T.S.	DRAWING NO: BMC0002
		REV: C	SHEET: 1 OF 10

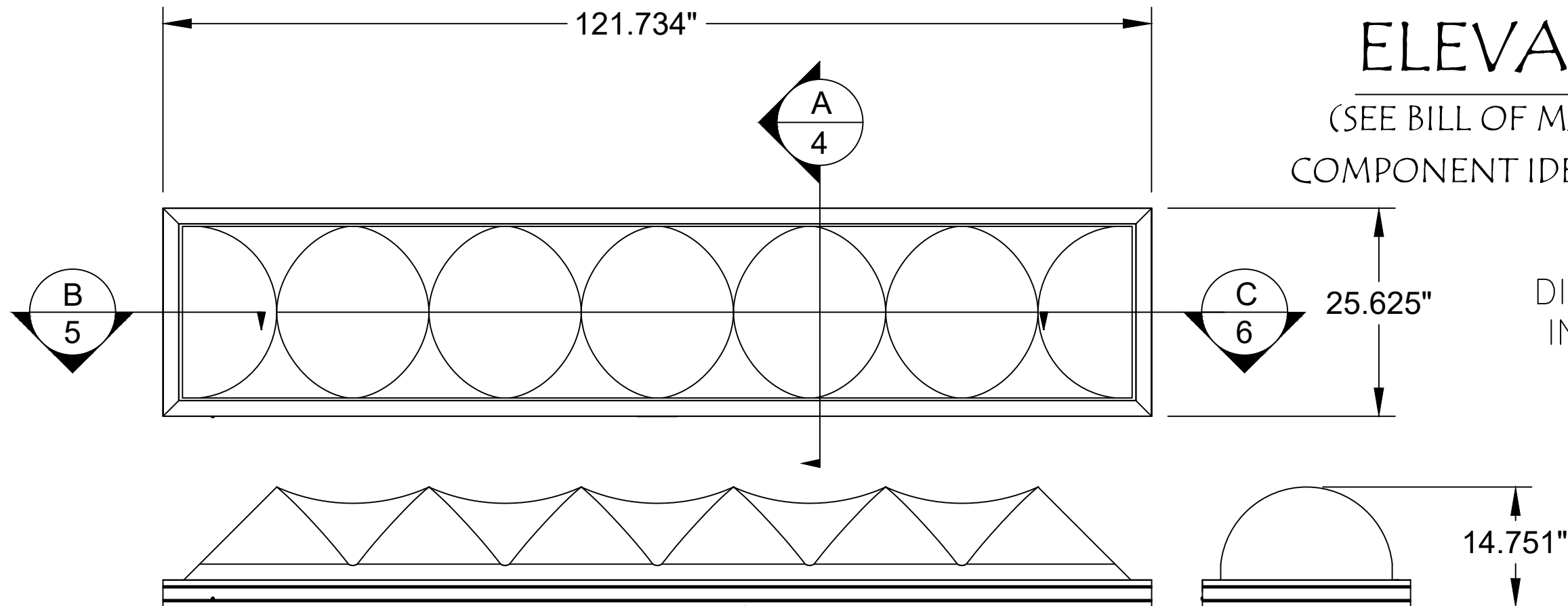
Robert J. Amoruso
Florida P.E. No. 49752



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Robert J Amoruso
Date: 2020.09.21
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PTC Product Design Group, LLC
P.O. Box 520775
Longwood, FL 32752-0775
FBPE Cert. of Authorization No. 25935


Butler Manufacturing Co.
a division of BlueScope Buildings North America, Inc.
1540 Genessee St.
Kansas City, MO 64102



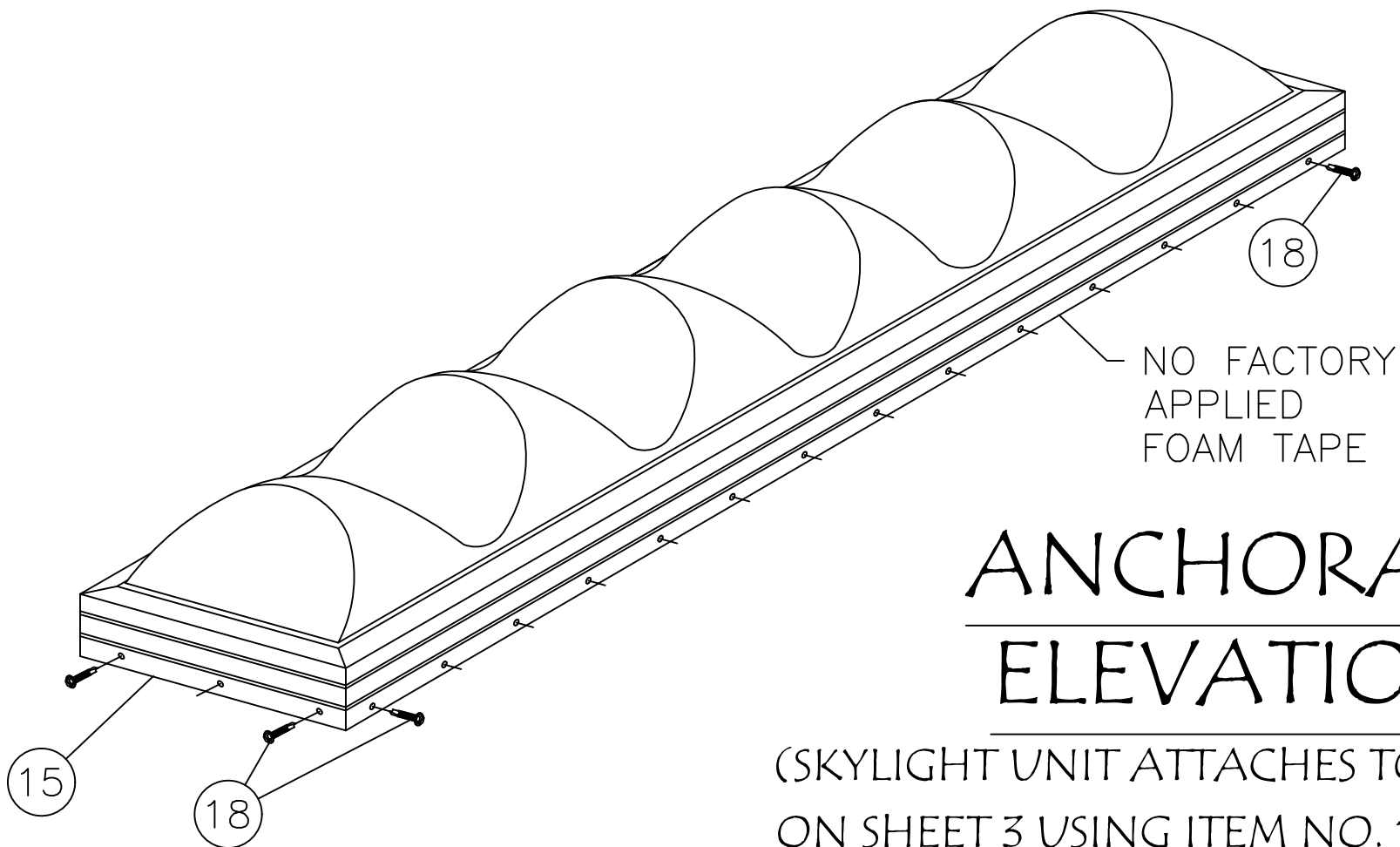
ELEVATIONS

(SEE BILL OF MATERIALS FOR
COMPONENT IDENTIFICATION)

ALL
DIMENSIONS
IN INCHES

PROJECT NO. 420-0101				RJA	BY
C	9/4/20	9/4/20	4/11/19	12/11/17	DATE
B	UPDATE TO THE 7th EDITION (2020) FBC	UPDATE FOR NEW SKYLIGHT MODEL			DESCRIPTION
A	UPDATE TO THE 6th EDITION (2017) FBC				

BUTLER Manufacturing COMPANY 1540 Genessee St. Kansas City, MO 64102				DATE: 07/24/15	
SunLite Strip Curb Mounted Skylight ELEVATION VIEWS - ANCHOR ELEVATION				DRAWING NO: BMC0002	
PREPARED BY: JBH				SCALE:	
PTC Product Design Group, LLC				REV: C	



ANCHORAGE ELEVATION

(SKYLIGHT UNIT ATTACHES TO CURB SHOWN
ON SHEET 3 USING ITEM NO. 18 FASTENERS)

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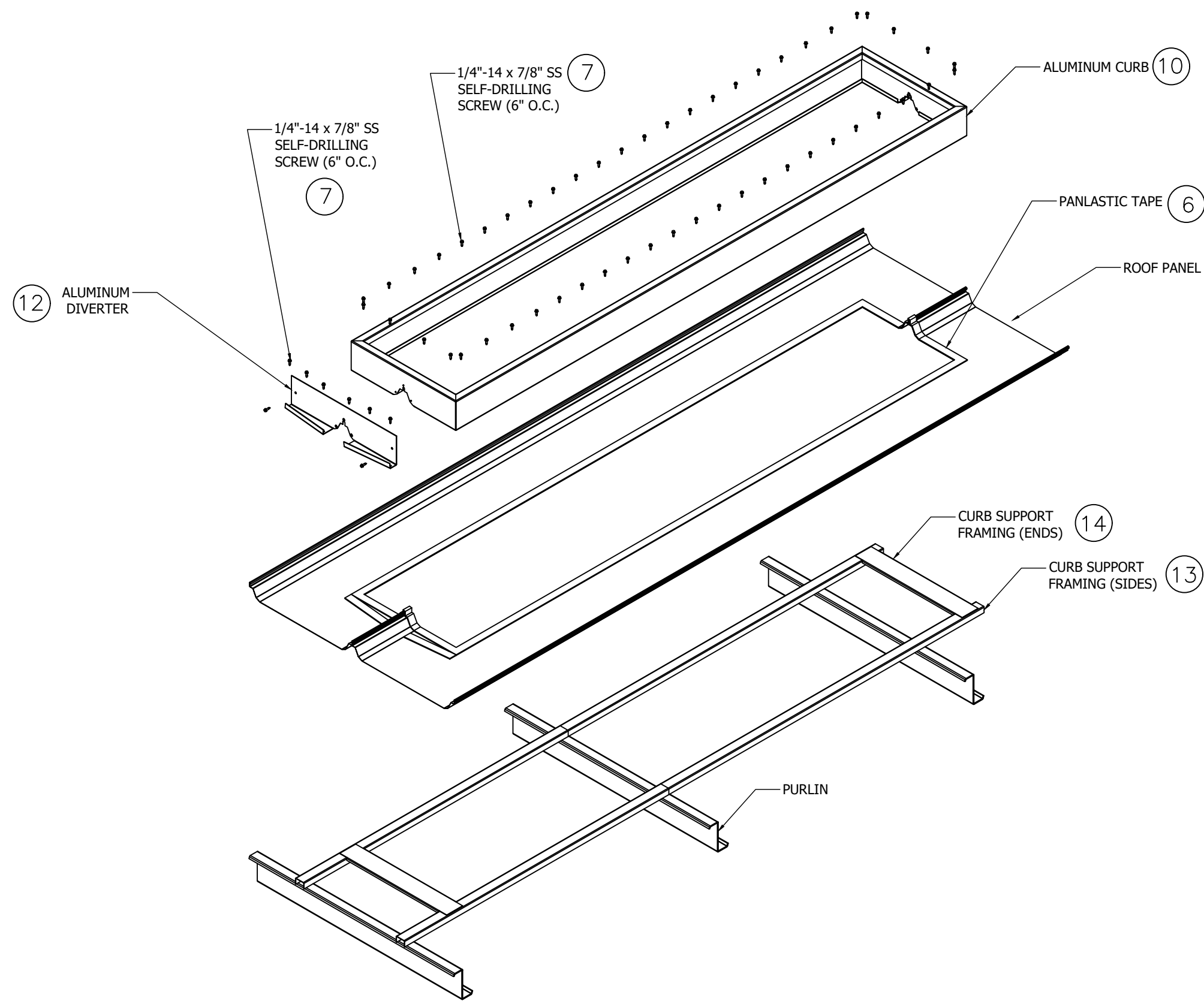
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ALL DIMENSIONS
IN INCHES

ISOMETRIC VIEW - CURB

(SEE BILL OF MATERIALS FOR COMPONENT IDENTIFICATION)



PROJECT NO. 420-0101			RJA	BY
C	UPDATE TO THE 7th EDITION (2020) FBC	9/4/20	RJA	DATE
B	UPDATE FOR NEW SKYLIGHT MODEL	4/11/19	RJA	
A	UPDATE TO THE 6th EDITION (2017) FBC	12/11/17	RJA	
REV	DESCRIPTION			

BUTLER Manufacturing COMPANY
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Kansas City, MO 64102

SunLite Strip Curb Mounted Skylight
ISOMETRIC VIEW - CURB

DATE:	07/24/15
DRAWING NO:	BMC0002
SHEET:	3 OF 10

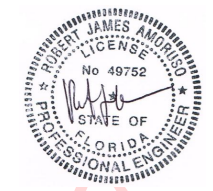
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SCALE:

REV: C

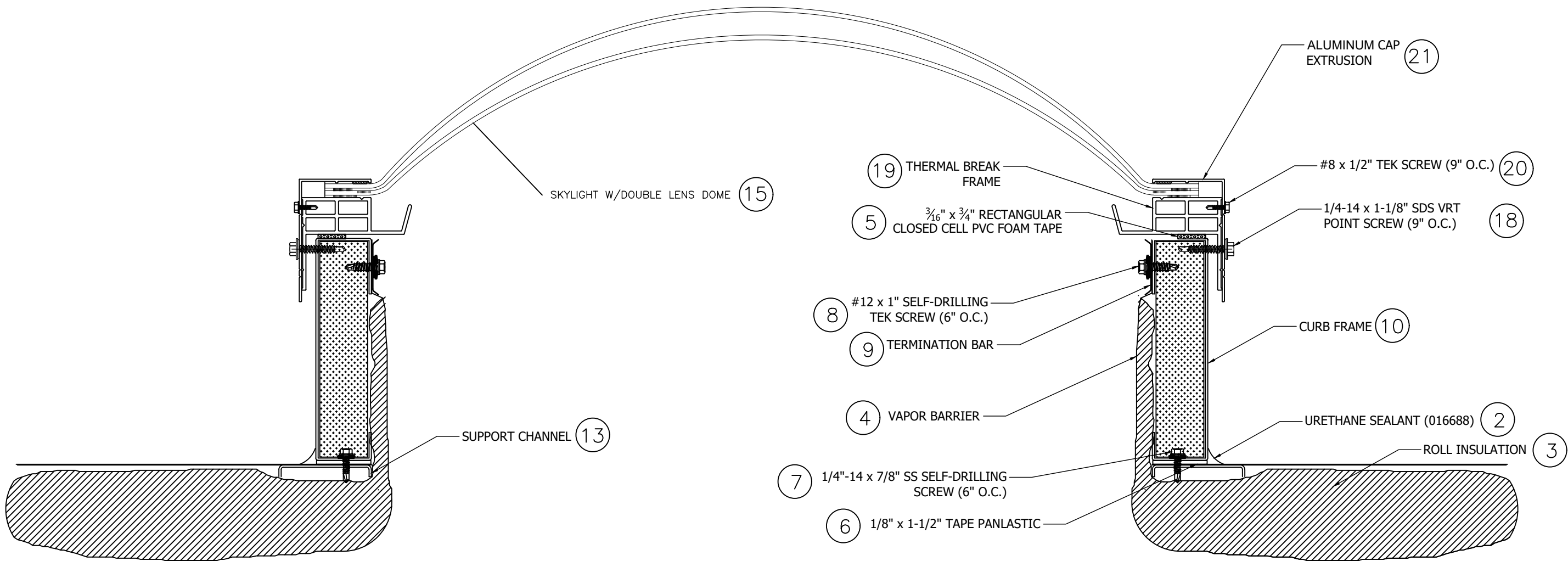
**PTC**
PTC Product Design Group, LLC

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Robert J Amoruso
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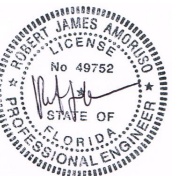
SECTION A-A

CROSS SECTION THROUGH SIDES

PROJECT NO. 420-0101			
REV	DESCRIPTION	DATE	BY
C	UPDATE TO THE 7th EDITION (2020) FBC	9/4/20	RJA
B	UPDATE FOR NEW SKYLIGHT MODEL	4/11/19	RJA
A	UPDATE TO THE 6th EDITION (2017) FBC	12/11/17	RJA

BUTLER Manufacturing COMPANY 1540 Genessee St. Kansas City, MO 64102		DATE: 07/24/15	
SunLite Strip Curb Mounted Skylight SECTION "A-A"		DRAWING NO: BMC0002	
PREPARED BY: JBH		SHEET: 4 OF 10	
SCALE:		REV: C	
PTC Product Design Group, LLC			

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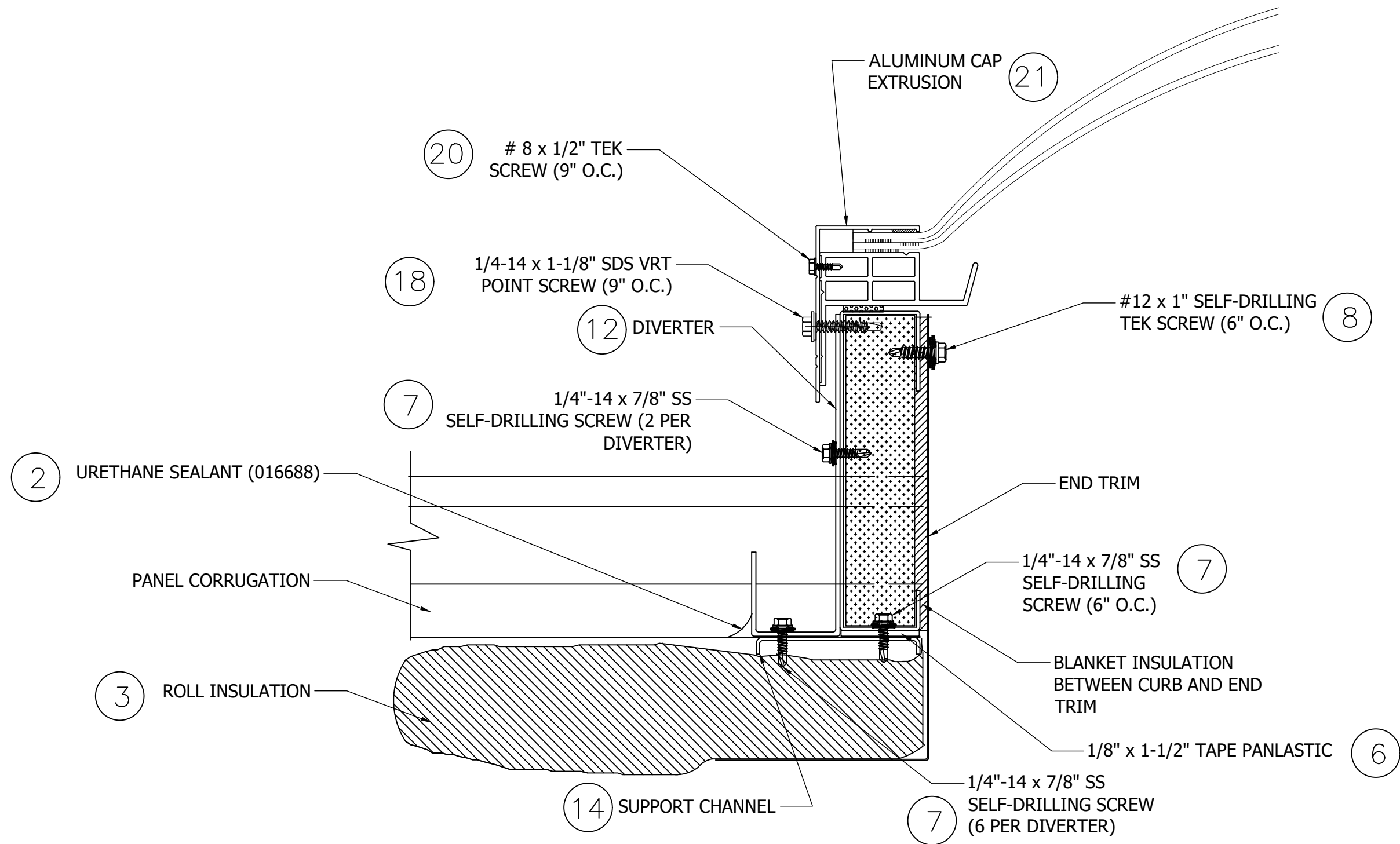


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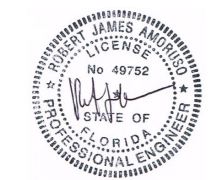
SECTION B-B

HIGH END CROSS SECTION

PROJECT NO. 420-0101			
UPDATE TO THE 7th EDITION (2020) FBC	9/4/20	RJA	RJA
UPDATE FOR NEW SKYLIGHT MODEL	4/11/19	RJA	RJA
UPDATE TO THE 6th EDITION (2017) FBC	12/11/17	RJA	RJA
REV	DATE	BY	

BUTLER Manufacturing COMPANY 1540 Genessee St. Kansas City, MO 64102		DATE: 07/24/15	DRAWING NO: BMC0002	SHEET: 5 OF 10
SunLite Strip Curb Mounted Skylight SECTION "B-B"		DRAWN BY: JBH	SCALE:	REV: C
PREPARED BY:		PTC Product Design Group, LLC		

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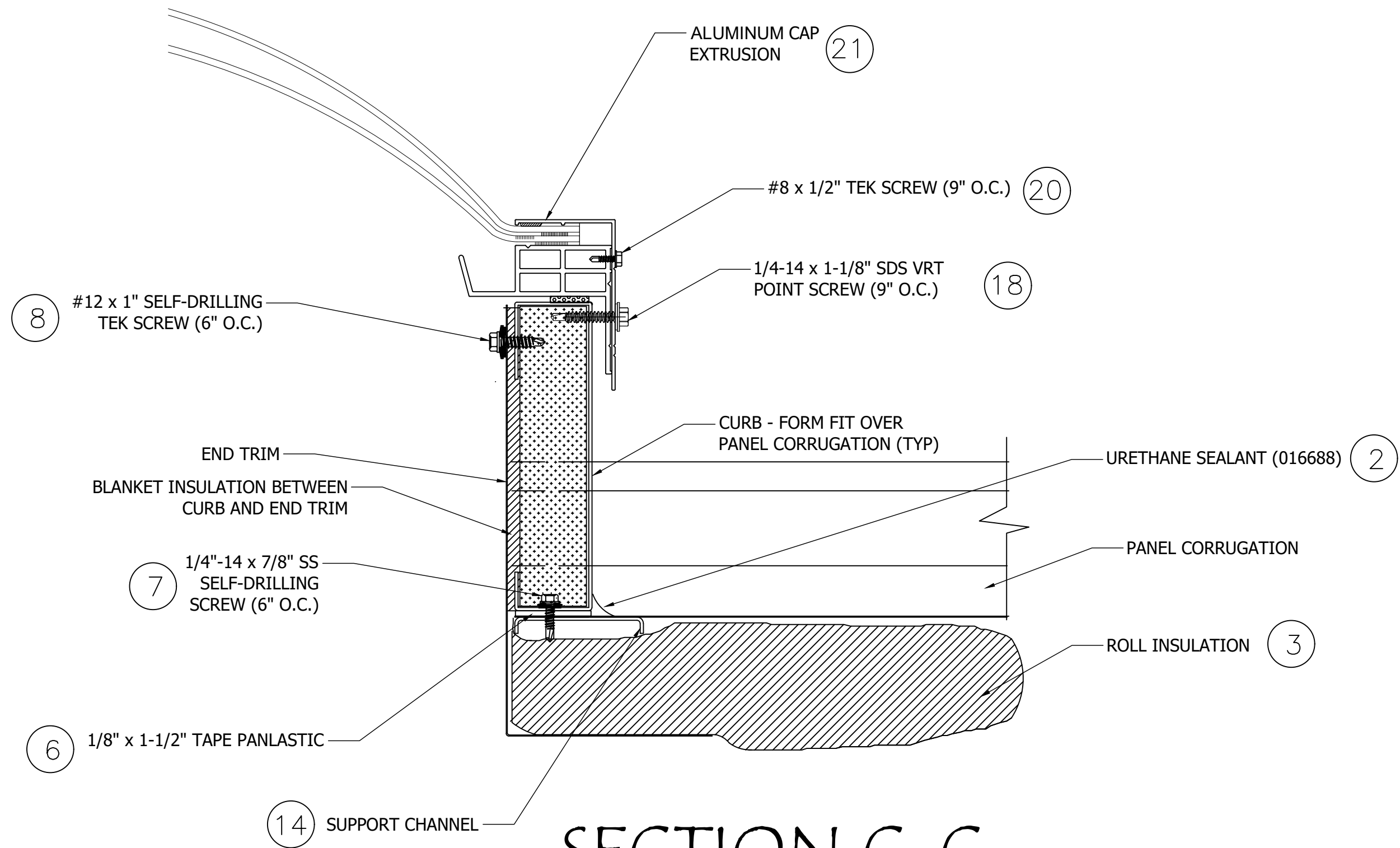


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Kansas City, MO 64102



SECTION C-C

LOW END CROSS SECTION

PROJECT NO. 420-0101			
UPDATE TO THE 7th EDITION (2020) FBC	9/4/20	RJA	RJA
UPDATE FOR NEW SKYLIGHT MODEL	4/11/19	RJA	RJA
UPDATE TO THE 6th EDITION (2017) FBC	12/11/17	RJA	RJA
REV	DESCRIPTION	DATE	BY

BUTLER Manufacturing COMPANY 1540 Genessee St. Kansas City, MO 64102		DATE: 07/24/15	
SunLite Strip Curb Mounted Skylight SECTION "C-C"		DRAWING NO: BMC0002	
DRAWN BY: JBH		SHEET: 6 OF 10	
SCALE:		REV: C	
PTC Product Design Group, LLC		PREPARED BY:	

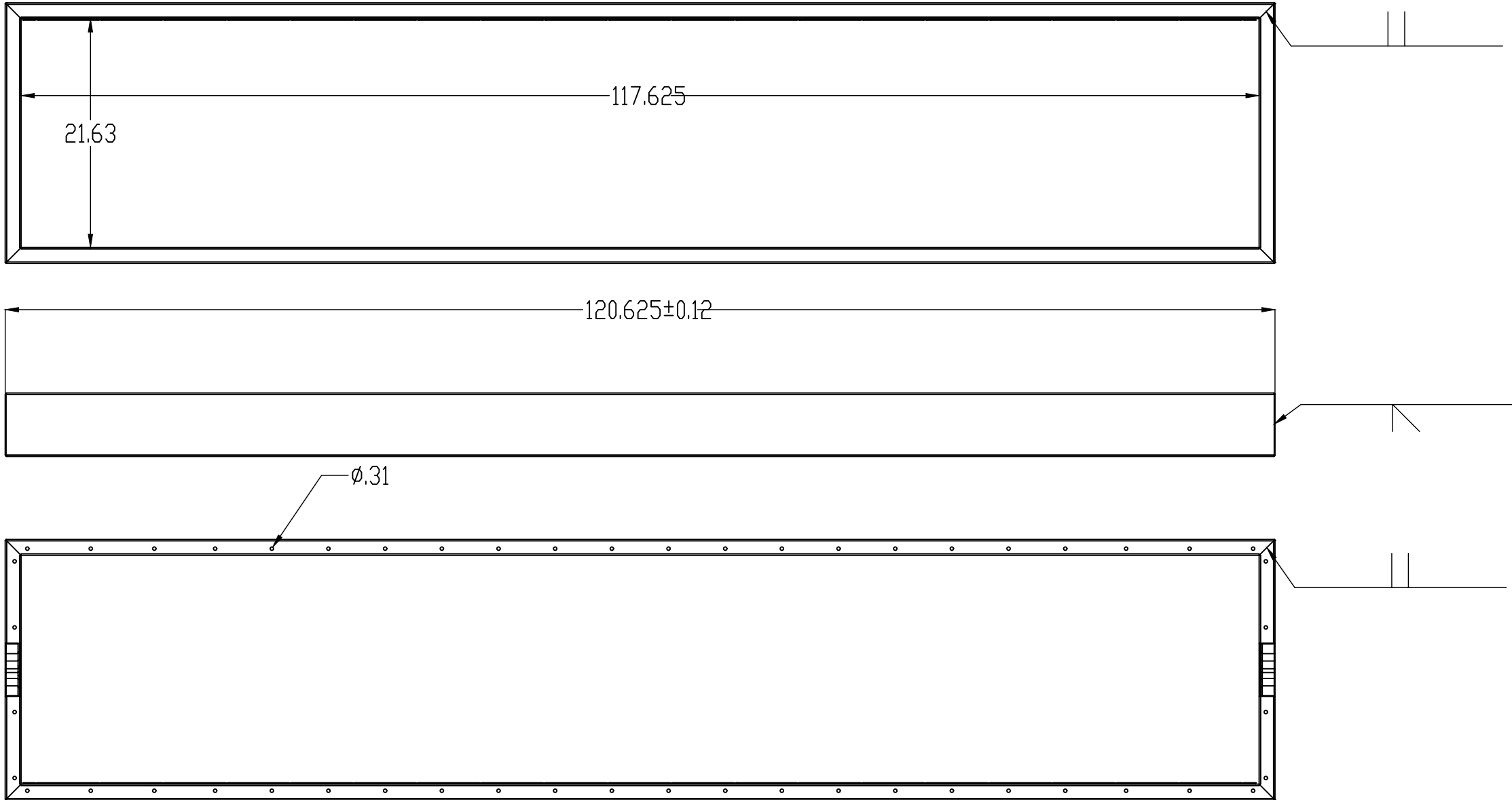
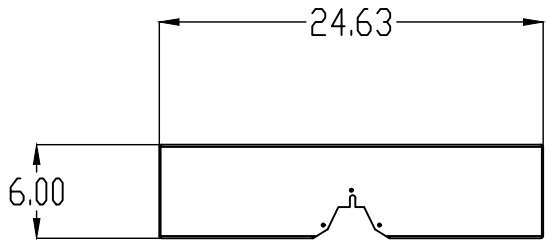
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NOTES:
1. MATERIAL: .080 ALUMINUM, 3003-H14

10 CURB (ASSEMBLY) CROSS SECTION

PROJECT NO. 420-0101				
C	UPDATE TO THE 7th EDITION (2020) FBC	9/4/20	RJA	BY
B	UPDATE FOR NEW SKYLIGHT MODEL	4/11/19	RJA	DATE
A	UPDATE TO THE 6th EDITION (2017) FBC	12/11/17	RJA	
REV	DESCRIPTION			

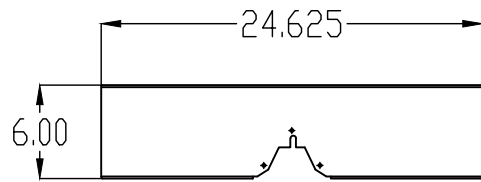
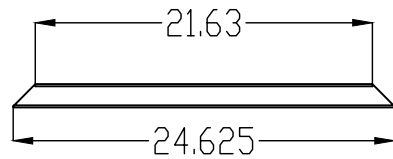
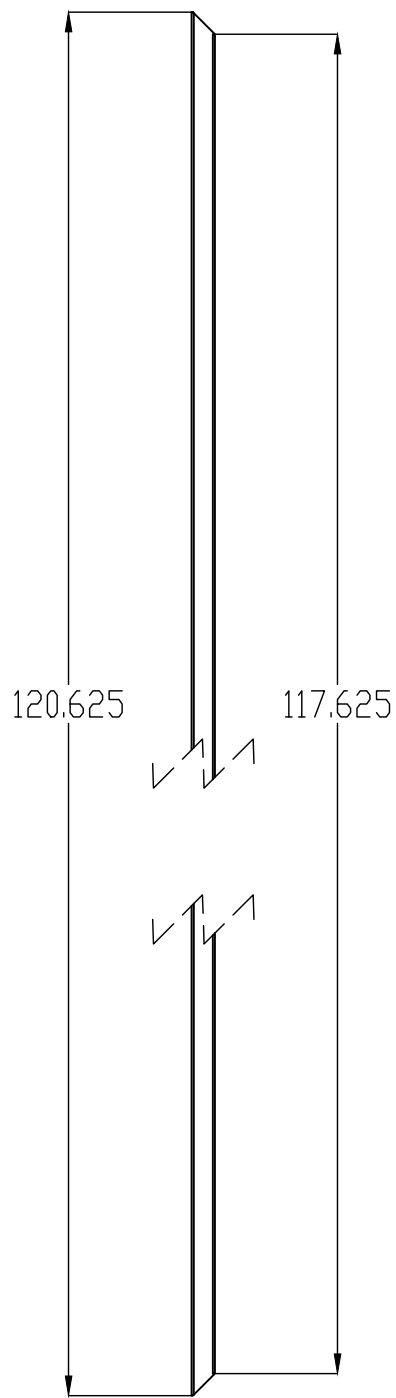
BUTLER Manufacturing COMPANY 1540 Genessee St. Kansas City, MO 64102		DATE: 07/24/15	
SunLite Strip Curb Mounted Skylight CURB ASSEMBLY		DRAWING NO: BMC0002	
TITILE:		SHEET: 7 OF 10	
PREPARED BY: JBH		SCALE: N.T.S.	
DATE: 07/24/15		REV: C	
PTC Product Design Group, LLC		PTC Product Design Group, LLC	

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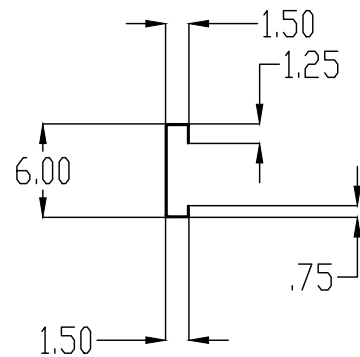
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Kansas City, MO 64102



NOTES:
1. MATERIAL: .080 ALUMINUM, 3003-H14

CURB SHELL (COMPONENT - ENDS)
CROSS SECTION

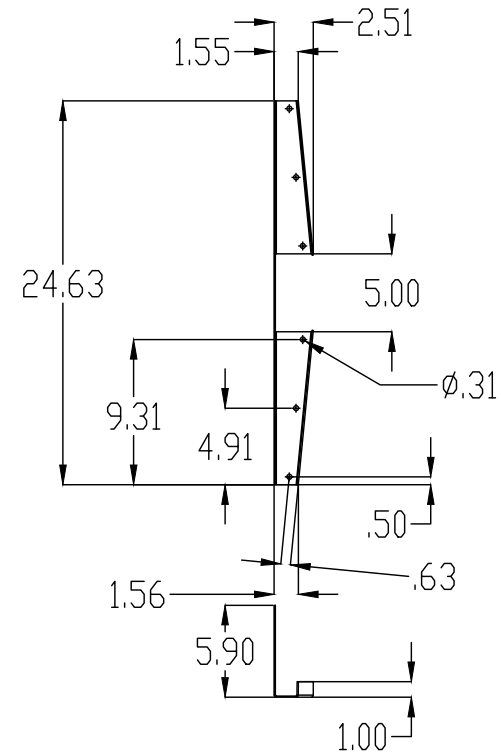
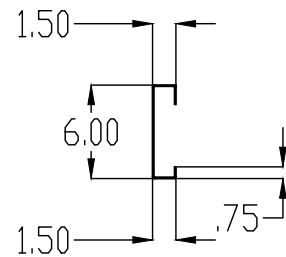
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NOTES:
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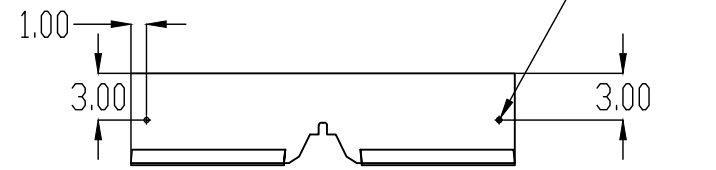
CURB SHELL (COMPONENT - SIDES)
CROSS SECTION

17

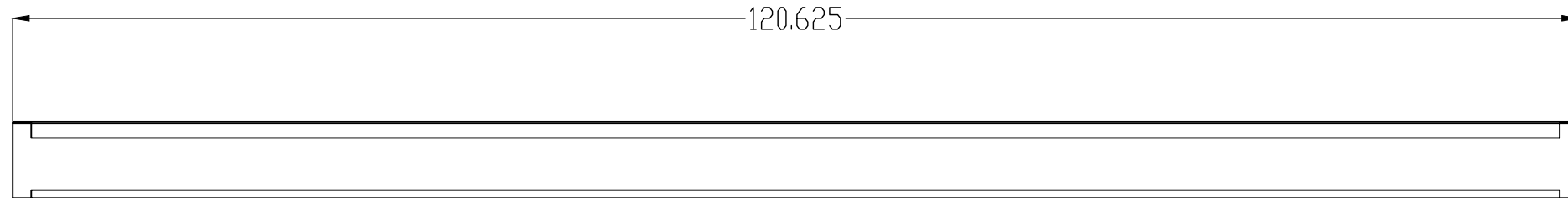


NOTES:
1. MATERIAL: .080 ALUMINUM, 3003-H14

DIVERTER CROSS SECTION



12



PROJECT NO. 420-0101			
UPDATE TO THE 7th EDITION (2020) FBC	9/4/20	RJA	BY
UPDATE FOR NEW SKYLIGHT MODEL	4/11/19	RJA	DATE
UPDATE TO THE 6th EDITION (2017) FBC	12/11/17	RJA	
REV	DESCRIPTION		

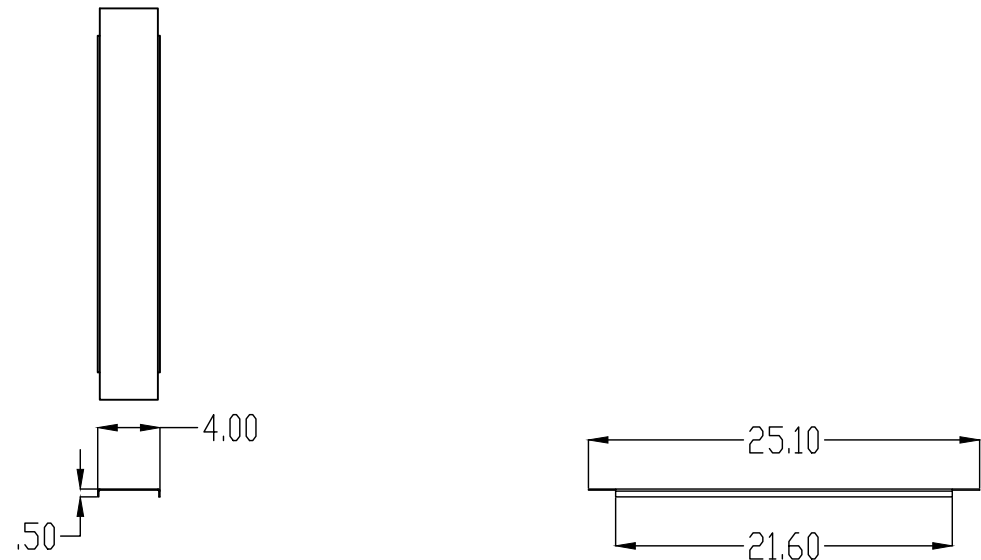
BUTLER Manufacturing COMPANY 1540 Genessee St. Kansas City, MO 64102			
SunLite Strip Curb Mounted Skylight CURB SHELL AND DIVERTER			
DRAWN BY: JBH	DATE: 07/24/15	DRAWING NO: BMC0002	SHEET: 8 OF 10
SCALE: N.T.S.	REV: C		
PREPARED BY: PTC Product Design Group, LLC			

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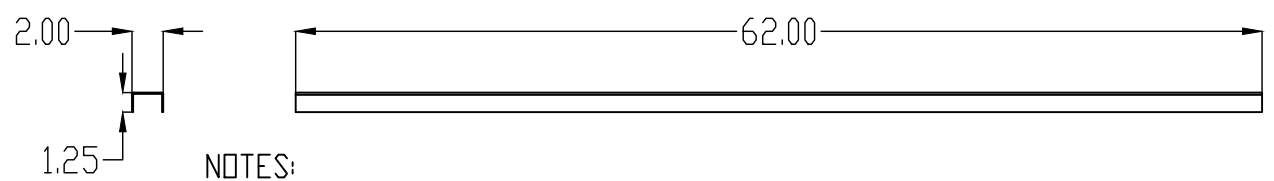
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a division of BlueScope Buildings North America, Inc.
1540 Genessee St.
Kansas City, MO 64102



NOTES:
1. MATERIAL: 14 GA (0.075") G90 GALVANIZED

SUPPORT CHANNEL (SKYLIGHT ENDS)
CROSS SECTION

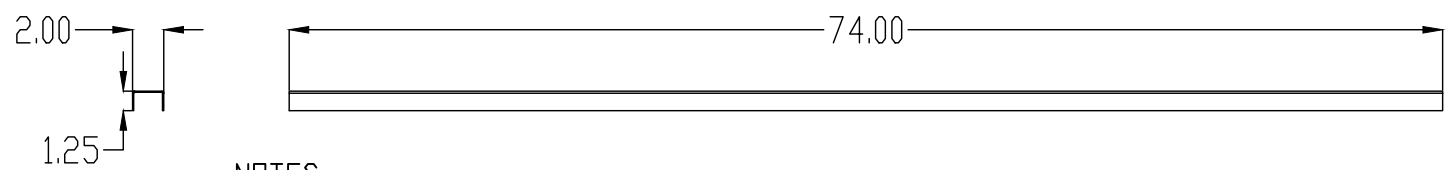
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NOTES:
1. MATERIAL: 14 GA (0.075") G90 GALVANIZED

SUPPORT CHANNEL (SKYLIGHT SIDES)
CROSS SECTION

13



NOTES:
1. MATERIAL: 14 GA (0.075") G90 GALVANIZED

SUPPORT CHANNEL (SKYLIGHT SIDES)
CROSS SECTION

13

PROJECT NO. 420-0101			
C	UPDATE TO THE 7th EDITION (2020) FBC	9/4/20	RJA
B	UPDATE FOR NEW SKYLIGHT MODEL	4/11/19	RJA
A	UPDATE TO THE 6th EDITION (2017) FBC	12/11/17	RJA
REV	DESCRIPTION	DATE	BY

BUTLER Manufacturing COMPANY
1540 Genessee St.
Kansas City, MO 64102

SunLite Strip Curb Mounted Skylight
SUPPORT CHANNELS

DRAWN BY: JBH

DATE: 07/24/15

SCALE: N.T.S.

DRAWING NO: BMC0002

REV: C

SHEET: 9 OF 10

PREPARED BY:

PTC

PTC Product Design Group, LLC

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1540 Genessee St.
Kansas City, MO 64102

10' Sunlite Strip UNIT MR-24 (STAND ALONE)			
ID	QTY	DESCRIPTION	PART #
1		NOT USED	
2	1	URETHANE SEALANT (016688)	016688
3		ROLL INSULATION	
4		VAPOR BARRIER	
5	.5 ROLL	3/16" x 3/4" x 50' FOAM TAPE	560185
6	1	1/8" x 1-1/2" TAPE PANLASTIC x 25 FT.	042715
7	60	1/4"-14 x 7/8" SS SELF-DRILLING SCREW	097409
8	52	#12 x 1" SELF-DRILLING TEK SCREW (6" O.C.)	0097680
9	2	TERMINATION BAR	0562512
10	1	CURB (ASSEMBLY)	562526
11		NOT USED	
12	1	DIVERTER	*
13	2 EA.	SUPPORT CHANNEL (SKYLIGHT SIDES), TWO LENGTHS	*
14	2	SUPPORT CHANNEL (SKYLIGHT ENDS)	*
15	1	10' KINGSPAN LIGHT + AIR SERIES/MODEL PVCHW-CM-2-PC-PM POLYCARBONATE SKYLIGHT (STAND ALONE)	562491
16		CURB SHELL (COMPONENT - ENDS)	**
17		CURB SHELL (COMPONENT - SIDES)	**
18	34	1/4-14 x 1-1/8" SDS VRT POINT SCREW	044856
19	1	THERMAL BREAK FRAME	044847
20	34	#8 x 1/2" LONG TEK SCREW	044853
21	1	ALUMINUM CAP EXTRUSION	044843

* PARTS INCLUDED WITH CURB PACKAGE

** WELDED PARTS OF CURB ASSEMBLY

PROJECT NO. 420-0101

UPDATE TO THE 7th EDITION (2020) FBC

C

9/4/20

RJA

UPDATE FOR NEW SKYLIGHT MODEL

B

4/11/19

RJA

UPDATE TO THE 6th EDITION (2017) FBC

A

12/11/17

RJA

DESCRIPTION

REV

DATE

BY

BUTLER Manufacturing COMPANY

1540 Genessee St.

Kansas City, MO 64102

SunLite Strip Curb Mounted Skylight

BILL OF MATERIALS

DRAWN BY: JBH

DATE: 07/24/15

SCALE: N.T.S.

DRAWING NO: BMC0002

REV: C

SHEET: 10 OF 10

PREPARED BY:



PTC Product Design Group, LLC

Robert J. Amoruso

Florida P.E. No. 49752



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Date: 2020.09.21 14:49:58 -04'00'

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