

MAXIM INDUSTRIES, INC.

SERIES "BCM" CURB MOUNT SKYLIGHT (HVHZ)

INSTALLATION ANCHORAGE DETAILS

NOTES:

1.

THIS SKYLIGHT WAS TESTED AND IS DESIGNED TO COMPLY WITH ALL REQUIREMENTS OF THE CURRENT EDITION OF THE FLORIDA BUILDING CODE.
2.

THIS SKYLIGHT WAS TESTED AND IS DESIGNED TO COMPLY WITH ALL WINDS ZONES, INCLUDING THE HVHZ OF THE CURRENT EDITION OF THE FLORIDA BUILDING CODE.
3.

THIS SKYLIGHT MEETS SMALL & LARGE MISSLE IMPACT RESISTANCE (TAS-201/ASTM E1886/ASTM E1996) AND NO ADDITIONAL PROTECTION IS REQUIRED.
4.

THIS SKYLIGHT COMPLIES WITH TAS 201, 202, 203.
5.

THIS SKYLIGHTS COMPLIES WITH AAMA/WDMA/CSA 101/I.S.2/A440 AND ASTM E1886/ASTM E1996.
6.

ALL SIZES EQUAL TO OR LESS THAN THE TEST SIZE TOTAL SQUARE FOOTAGE ARE TO BE ACCEPTED UNDER THIS PRODUCT APPROVAL; MIAMI-DADE NOTICE OF ACCEPTANCE (NOA) AND FLORIDA PRODUCT APPROVAL FBC NO.
7.

ALL FRAMING, ROOF DECK, FLASHING, AND FASTENERS ARE BY OTHERS AND MUST COMPLY WITH THE CURRENT FLORIDA BUILDING CODE OR LOCAL BUILDING CODE.
8.

FOR ATTACHMENT OF ALUMINUM ANGLE (ITEM NO. 2) TO ALUMINUM FRAME (ITEM NO. 1), USE ITEM NO. 7 WITH SPACING SHALL BE 4" FROM EACH CORNER AND 6" ON CENTER MAXIMUM.
9.

FOR ATTACHMENT OF ALUMINUM FRAME (ITEM NO. 1) TO CURB (BY OTHERS), USE ITEM NO. 8 WITH SPACING SHALL BE 4" FROM EACH CORNER AND 6" ON CENTER MAXIMUM.

BILL OF MATERIALS:

1.

0.6" THICKNESS (TYPICAL BUT VARIES) 6063-T5 EXTRUDED ALUMINUM FRAME MITERED AND WELDED AT FOUR CORNERS.
2.

0.105" THICKNESS (TYPICAL BUT VARIES) 6063-T5 EXTRUDED ALUMINUM ANGLE, 2" X 2", MITERED AND WELDED AT FOUR CORNERS.
3.

PLASKOLITE TUFFAK SL UV OR PALRAM UV ENHANCED .118" POLYCARBOANTE DOME PER LATEST MIAMI-DADE NOTICE OF ACCEPTANCE.
4.

GALLINA POLICARB 5 LAYER 16MM RDC MULTIWALL POLYCARBONATE PER LATEST MIAMI-DADE NOTICE OF ACCEPTANCE.
5.

DOW CORNING 795 SILICONE BUILDING SEALANT LOCATED BETWEEN ALUMINUM ANGLE AND OUTER DOME.
6.

ITW SM 5127 SEALANT TAPE LOCATED BETWEEN 16MM RDC MULTIWALL AND EXTRUDED ALUMINUM FRAME.
7.

NO. 10 X .375" STAINLESS STEEL FASTENERS; 4" FROM EACH CORNER, MAXIMUM 6" ON CENTER.
8.

SKYLIGHT CURB FASTENERS; 4" FROM EACH CORNER, MAXIMUM 6" ON CENTER.
- 8.1.

FOR WOOD CURB #12 SS WOOD SCREW, PAN HEAD OR HEX HEAD
- 8.1.1.

MIN. WOOD DENSITY= 0.42 MIN. EMBEDMENT 1- 3/8" AND MIN. EDGE DISTANCE 2-1/2"
- 8.2.

FOR CONCRETE CURB 3/16" ITW TAPCON
- 8.2.1.

MIN. F'C= 2000 PSI MIN. EMBEDMENT 1" MIN. EDGE DISTANCE 1-1/8"
- 8.3.

FOR HOLLOW BLOCK OR GROUT FILLED CMU CURB 3/16" TAPCON
- 8.3.1.

ASTM C90 CMU DENSITY > 117 PCF, MIN. EMBEDMENT 1" MIN. EDGE DISTANCE 2"

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SHEET	DESCRIPTION
1	NOTES AND BILL OF MATERIALS
2	ELEVATION AND ANCHORAGE
3	SECTION VIEWS

DESIGN PRESSURE RATING (PSF)	IMPACT RATING
±60.0	LARGE MISSILE IMPACT

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ASTM C90 CMU DENSITY > 117 PCF, MIN. EMBEDMENT 1" MIN. EDGE DISTANCE 2"

PROJECT #423-0211

MAXIM INDUSTRIES, INC
201 LONGHORN RD
FORT WORTH, TEXAS 76179

TITLE: SERIES "BCM" CURB MOUNT SKYLIGHT (HVHZ)
NOTES, ELEVATION & ANCHOR LAYOUT

PREPARED BY: DRAWN BY: RJA DATE: 11/3/20

SCALE: N/A

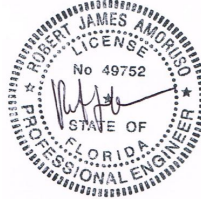
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SHEET: 1 OF 3

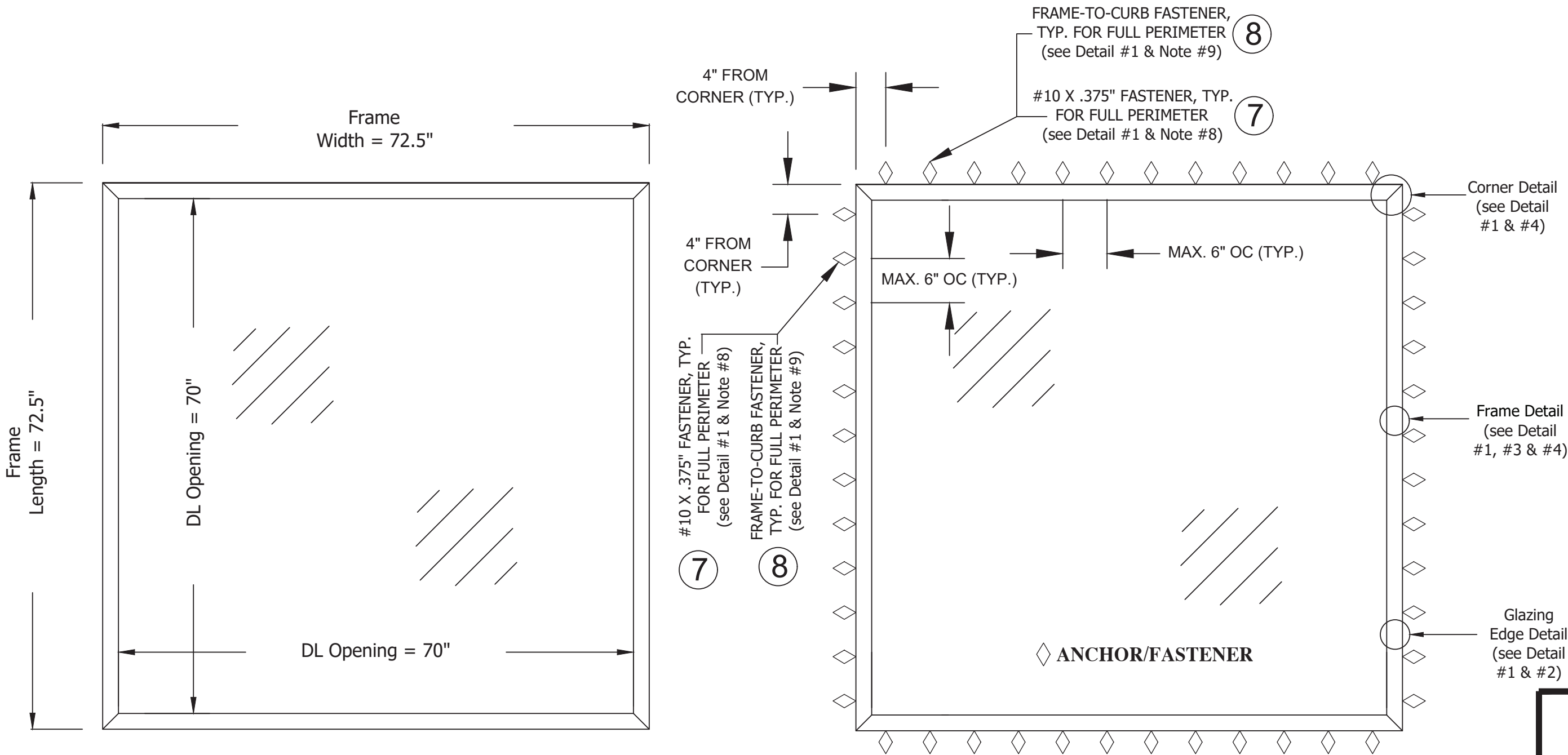
REV: A

PTC PRODUCT DESIGN GROUP, LLC Phone: 321.690.1788
LONGWOOD, FLORIDA 32752 Fax: 321.690.1789
FBE/CA NO. 23853 Email: info@ptc-corp.com

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



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Robert J
Amoruso
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ELEVATION & ANCHOR LAYOUT

EXTERIOR VIEW

- ANCHORAGE NOTES:
- A MINIMUM OF 12 ANCHORS IS REQUIRED ON EACH SIDE OF THE SKYLIGHT. SEE ELEVATION ABOVE.
 - FRAME-TO-CURB INSTALLATION FASTENER ITEM NO. 8 SHALL BE INSTALLED AT 4" FROM EACH CORNER AND 6" ON CENTER ALONG FULL PERIMETER (EACH SIDE).
 - ANGLE-TO-FRAME INSTALLATION FASTENER ITEM NO. 7 SHALL BE INSTALLED AT 4" FROM EACH CORNER AND 6" ON CENTER ALONG FULL PERIMETER (EACH SIDE).
 - FOR SKYLIGHTS SMALLER IN WIDTH AND/OR HEIGHT, THE ANCHOR QUANTITY CAN BE REDUCED WHILE MAINTAINING THE 4" CORNER SPACING AND 6" O.C. SPACING ALONG THE FULL PERIMETER.

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MAXIM INDUSTRIES, INC
201 LONGHORN RD
FORT WORTH, TEXAS 76179

TITLE: SERIES "BCM" CURB MOUNT SKYLIGHT (HVHZ)

SECTION VIEWS

PREPARED BY: PTC PRODUCT DESIGN GROUP, LLC
PO BOX 52075
LONGWOOD, FLORIDA 32752
FBPE C.A. NO. 23853

DRAWN BY: RJA

SCALE: N/A

REV: A

DATE: 11/3/20

DRAWING NO: MAX0004

SHEET: 2 OF 3

ADDRESS CHANGE
CURRENT FBC UPDATE

REV

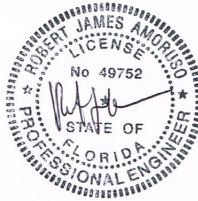
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BY

RJA

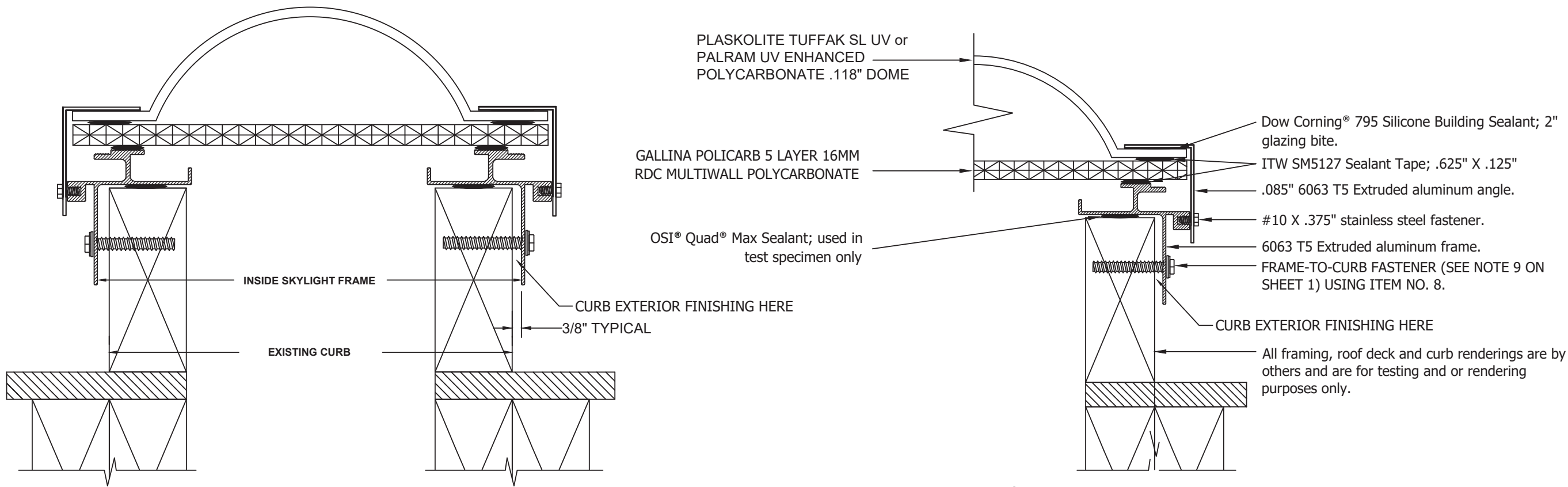
9/21/23

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

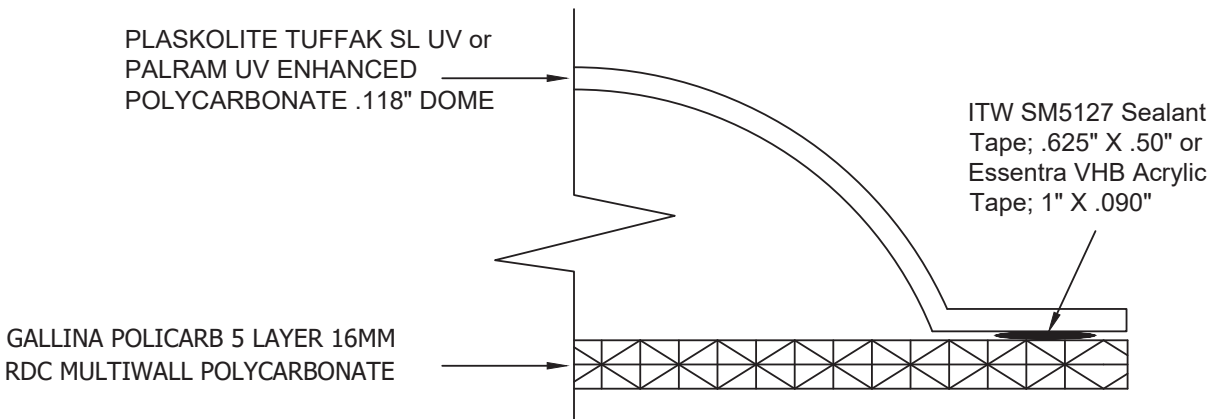


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Amoruso
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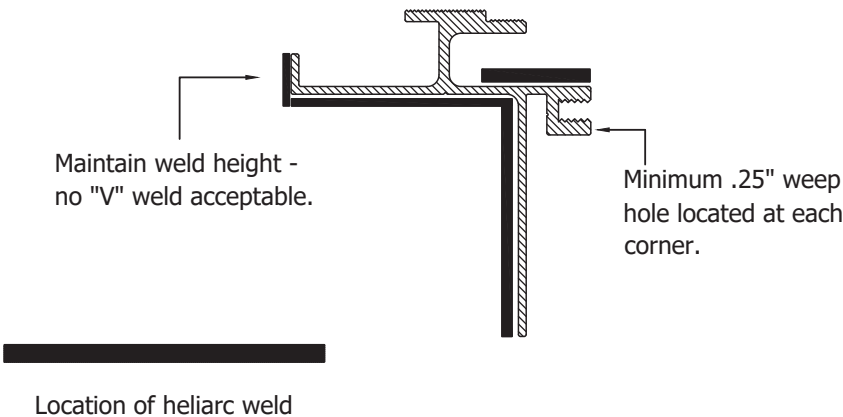
Detail #1:
Frame, Angle & Glazing Section Detail



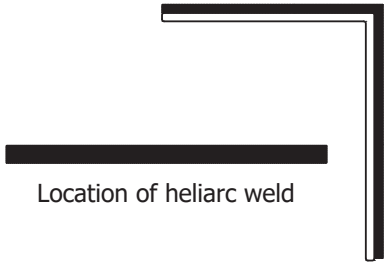
Detail #2: Glazing Detail



Detail #3
Aluminum Shape Weld Detail
AFCO Part #AF-4950



Detail #4
2" X 2" Aluminum Angle
Weld Detail
AFCO Part #AF-4230



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FORT WORTH, TEXAS 76179

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SECTION VIEWS

PREPARED BY:

DRAWN BY:

REV

DESCRIPTION

BY

PTC PRODUCT DESIGN GROUP, LLC
PO BOX 520775
LONGWOOD, FLORIDA 32752
Phone: 321.690.1788
Fax: 321.690.1789
Email: info@ptc-corp.com
FBE C.A. NO. 23855

DATE: 11/3/20

MAX0004

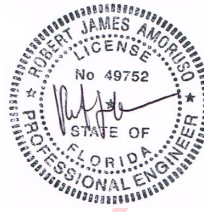
ADDRESS CHANGE
CURRENT FBC UPDATE

9/21/23

DATE

RJA

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