

GENERAL NOTES

SUPERA INSWING CASEMENT WINDOW, IMPACT

1. THE PRODUCT SHOWN HEREIN CONSTRUCTED FROM GEALAN EXTRUDED uPVC FRAMES HAS BEEN TESTED TO TAS201/202/203-94, AAMA/WDMA/CSA 101/I.S.2/A440, AND ASTM E1886/E1996, AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, 8TH EDITION (2023), INCLUDING THE HIGH VELOCITY HURRICANE ZONE.

2. WITH GLASS TYPE 1 AS INDICATED IN THIS DRAWING, THIS PRODUCT IS LARGE MISSILE IMPACT RESISTANT AND DOES NOT REQUIRE THE USE OF IMPACT PROTECTIVE DEVICES (SHUTTERS) IN WINDBORNE DEBRIS REGIONS. WITH GLASS TYPE 2 AS INDICATED IN THIS DRAWING, THIS PRODUCT IS SMALL MISSILE IMPACT RESISTANT AND DOES NOT REQUIRE THE USE OF IMPACT PROTECTIVE DEVICES (SHUTTERS) WHEN INSTALLED ABOVE 30 FT OF GRADE IN WINDBORNE DEBRIS REGIONS.

3. THE DESIGN PRESSURES INDICATED IN THIS DRAWING ARE AS LIMITED BY ASTM E-1300 GLASS TABLES, AND TESTED WATER, STRUCTURAL, AND CYCLIC PRESSURES.

4. THIS DOCUMENT ADDRESSES PRODUCT ANCHORAGE TO ACHIEVE THE INDICATED DESIGN PRESSURES AT THE INDICATED SIZES, IN THE CONFIGURATION SHOWN IN THE ELEVATIONS. INSTALL PRODUCTS WITH MAXIMUM SHIM GAP, MINIMUM EDGE DISTANCE AND EMBEDMENT, AND WITH FASTENER TYPE AS SHOWN IN THE DETAILS AND AS INDICATED IN TABLE 1. FOR FULL PRODUCT CONSTRUCTION DETAILS SEE MOLIMO TEST REPORTS 30470.02/03/04/05-106-13 AND 30550.01/02-106-13.

5. APPROVED GLAZING IS AS INDICATED IN THIS DRAWING.

6. THE 4/3 ALLOWABLE STRESS INCREASE FACTOR (SHORT-TERM INCREASE FACTOR) HAS NOT BEEN USED IN THE ANCHOR ANALYSIS FOR THIS SYSTEM. THE 1.6 Cd FACTOR WAS USED IN THE ANALYSIS OF ANCHORAGE INTO WOOD SUBSTRATE.

7. THE OPENING SUBSTRATE MATERIALS (FRAMING, MASONRY, BUCKS) AND ATTACHMENT OF BUCKS TO THE SUBSTRATE ARE BY OTHERS AND SHALL BE VERIFIED BY THE ARCHITECT OR ENGINEER OF RECORD OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ). BUCKING, OPENINGS, & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED BY OTHERS IN ACCORDANCE WITH THE FBC TO TRANSFER SUPERIMPOSED LOADS TO THE STRUCTURE. WITH MASONRY OPENINGS, WOOD BUCKS ARE OPTIONAL.

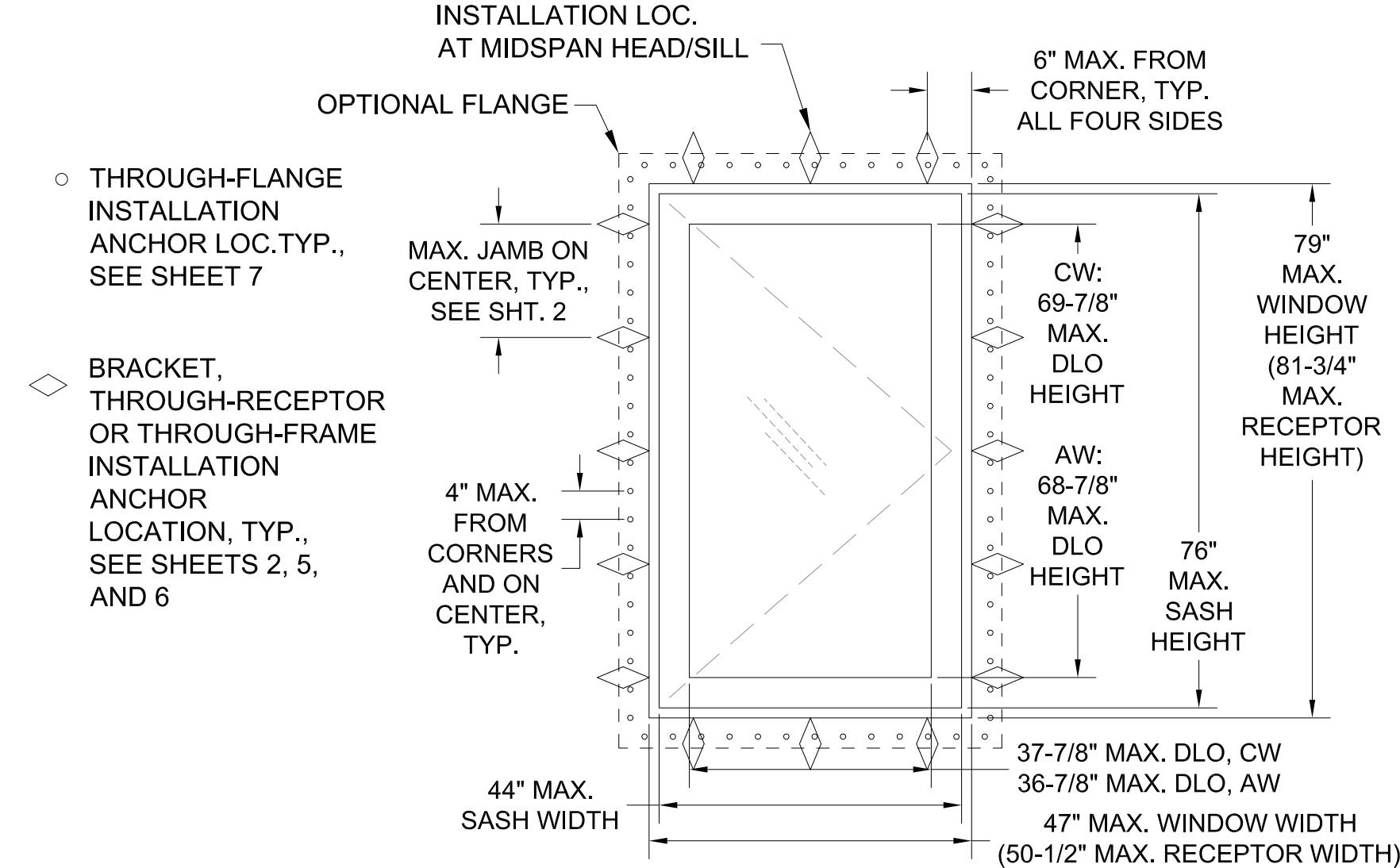
8. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE COATED OR OTHERWISE PROTECTED TO PREVENT GALVANIC REACTIONS. WOOD BUCKS, IF USED, SHALL BE PRESSURE TREATED, WITH EITHER A TREATMENT OR COATING COMPATIBLE WITH THIS PRODUCT.

9. ALL ANCHORS USED SHALL BE OF A MATERIAL OR HAVE A COATING COMPATIBLE WITH THE PRESSURE TREATED WOOD BUCKS AND ALL OTHER WINDOW MATERIALS.

10. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS, OR AS APPROVED, SIGNED, AND SEALED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER ON A SITE-SPECIFIC BASIS.

11. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER INFILTRATION RESISTANCE OF THE INSTALLED PRODUCT SHALL BE THE RESPONSIBILITY OF OTHERS AND ARE NOT ADDRESSED BY THIS DOCUMENT.

12. FOR ADDITIONAL REQUIREMENTS SEE ANCHOR NOTES, SHEET 5-7.



TYP. ELEVATION
SEE DETAILS SHEET 2

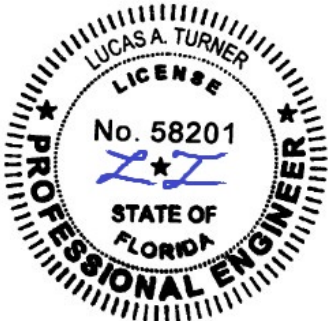
Lucas Turner
2026.07.10 16:08:33
-05'00'

DESIGN PRESSURE RATING (ASD)	IMPACT RATING	GLAZING REQUIRED (SEE SHEET 3)
○ THROUGH-FLANGE INSTALL +/-90 PSF ◇ BRACKET/RECEPTOR/THROUGH-FRAME INSTALLS, SEE CHART, SHEET 2	LARGE MISSILE	GLASS TYPE 1
	SMALL MISSILE	GLASS TYPE 2



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SHEET DESCRIPTION: NOTES, ELEVATION	DATE DRAWN: 6/15/2026
SCALE: NTS	REV: 0
DRAWING: FPA-SUPERA-CA2	SHEET: 1 OF 8



6/30/2026
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WINDOW ALLOWABLE DESIGN PRESSURES FOR BRACKET/RECEPTOR/THROUGH-FRAME INSTALLS, BASED ON JAMB ANCHOR TYPE AND SPACING (BRACKET/RECEPTOR/THROUGH-FRAME HEAD AND SILL ANCHOR SPACING IS ALWAYS 6" FROM CORNERS AND ONE AT MIDSPAN FOR ALL ANCHOR TYPES)															
DIMENSIONS (IN.)				ANCHOR TYPE (SEE TABLE 1 BELOW)											
HEIGHTS	WINDOW WIDTH	RECEPTOR WIDTH	JAMB ANCHOR MAX. O.C.	A	B	C	D	E	F	G	H	I	J	K	L
				DESIGN PRESSURE (ASD, PSF) EXT. (+) AND INT. (-)											
WINDOW HEIGHT 79 RECEPTOR HEIGHT 81-3/4	24	27 1/2	10	90	90	90	90	90	90	90	90	90	90	90	90
	30	33 1/2		90	90	90	90	90	90	90	90	90	90	90	90
	36	39 1/2		90	90	90	90	90	90	90	90	90	90	90	90
	42	45 1/2		90	85	90	90	90	90	90	90	90	90	90	90
	47	50 1/2		90	77	88	90	90	90	90	90	90	90	90	90
	24	27 1/2	12	90	90	90	90	90	90	90	90	90	90	90	90
	30	33 1/2		90	90	90	90	90	90	90	90	90	90	90	90
	36	39 1/2		90	82	90	90	90	90	90	90	90	90	90	90
	42	45 1/2		90	71	82	90	90	90	90	85	90	90	90	90
	47	50 1/2		88	64	74	88	90	90	90	77	90	90	84	90
	24	27 1/2	14	90	90	90	90	90	90	90	90	90	90	90	90
	30	33 1/2		90	83	90	90	90	90	90	90	90	90	90	90
	36	39 1/2		90	70	81	90	90	90	90	84	90	90	90	90
	42	45 1/2		84	61	70	84	90	90	90	73	90	90	80	90
	47	50 1/2		76	55	63	75	90	90	90	66	90	90	72	90
	24	27 1/2	16 1/4	90	87	90	90	90	90	90	90	90	90	90	90
	30	33 1/2		90	71	82	90	90	90	90	85	90	90	90	90
	36	39 1/2		83	61	70	83	90	90	90	72	90	90	79	90
	42	45 1/2		72	53	60	72	90	90	90	63	90	90	69	90
	47	50 1/2		65	47	54	65	90	90	81	57	90	90	62	90

TABLE 1: BRACKET, RECEPTOR, AND THROUGH-FRAME INSTALLATION ANCHOR REQUIREMENTS TABLE				
ID	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED.	MIN. EDGE DIST.
A	CONCRETE (2.0 KSI MIN)	3/16" ITW TAPCON	1-1/2"	1-1/8"
B	HOLLOW OR GROUT-FILLED CMU (117 PCF MIN.)	3/16" ITW TAPCON	1"	2"
C	CONCRETE (3.05 KSI MIN.)	3/16" DEWALT ULTRACON+	1-3/4"	1"
D	GROUT-FILLED CMU (ASTM C90)	3/16" DEWALT ULTRACON+	1-1/4"	2-1/2"
E	2X MIN. SOUTHERN PINE WOOD (G=0.55)	#10 GRADE 5 WOOD SCREW	1-3/8"	1"
F	16 GAUGE (0.060") MIN. STEEL STUD, 33KSI YIELD MIN., OR 1/8" ALUM. 6063-T5 MIN.	#12-16 HILTI KWIK-FLEX OR ITW TEKS SELF-DRILLING SCREW	FULL	1/2"
G	CONCRETE (2.0 KSI MIN)	1/4" ITW TAPCON	1-1/2"	1-1/2"
H	HOLLOW OR GROUT-FILLED CMU (117 PCF MIN.)	1/4" ITW TAPCON	1"	2"
I	CONCRETE (3.05 KSI MIN.)	1/4" DEWALT ULTRACON+	1"	2-1/2"
J	GROUT-FILLED CMU (ASTM C90)	1/4" DEWALT ULTRACON+	1-1/4"	2-1/2"
K	2X MIN. SOUTHERN PINE WOOD (G=0.55)	#14 GRADE 5 WOOD SCREW	1-1/2"	1"
L	16 GAUGE (0.060") MIN. STEEL STUD, 33KSI YIELD MIN., OR 1/8" ALUM. 6063-T5 MIN.	1/4-16 HILTI KWIK-FLEX OR ITW TEKS SELF-DRILLING SCREW	FULL	1/2"



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SHEET DESCRIPTION:
ANCHOR REQUIREMENTS

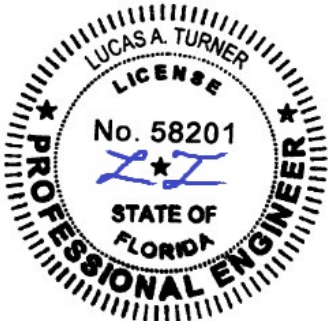
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6/15/2026

SCALE: NTS

REV: 0

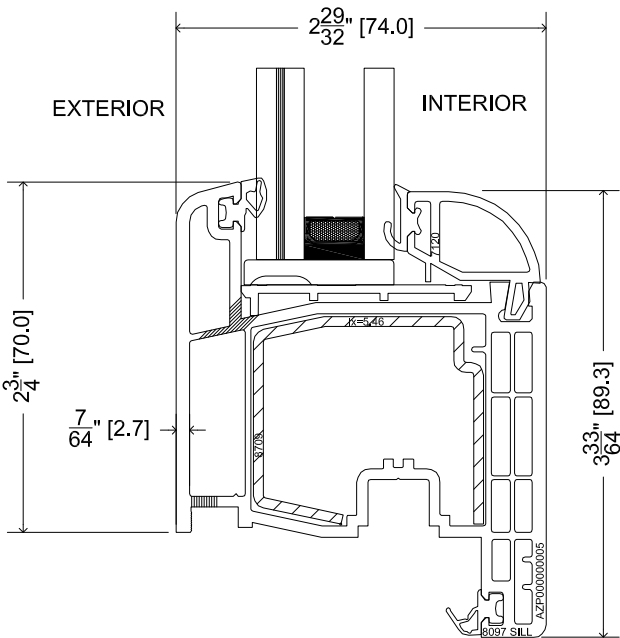
DRAWING: FPA-SUPERA-CA2

SHEET: 2 OF 8

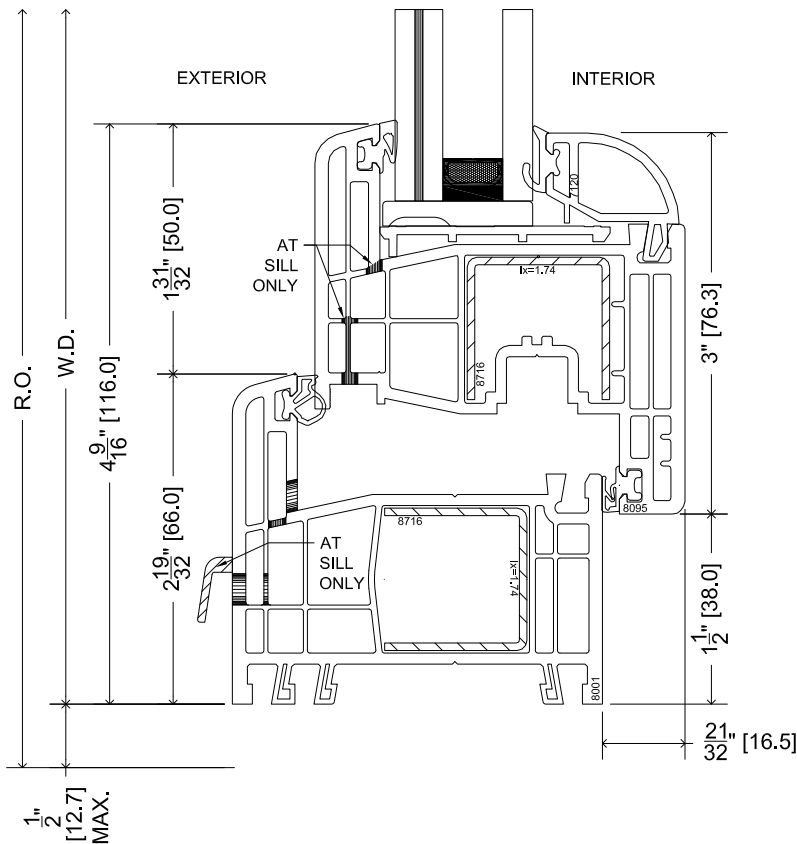


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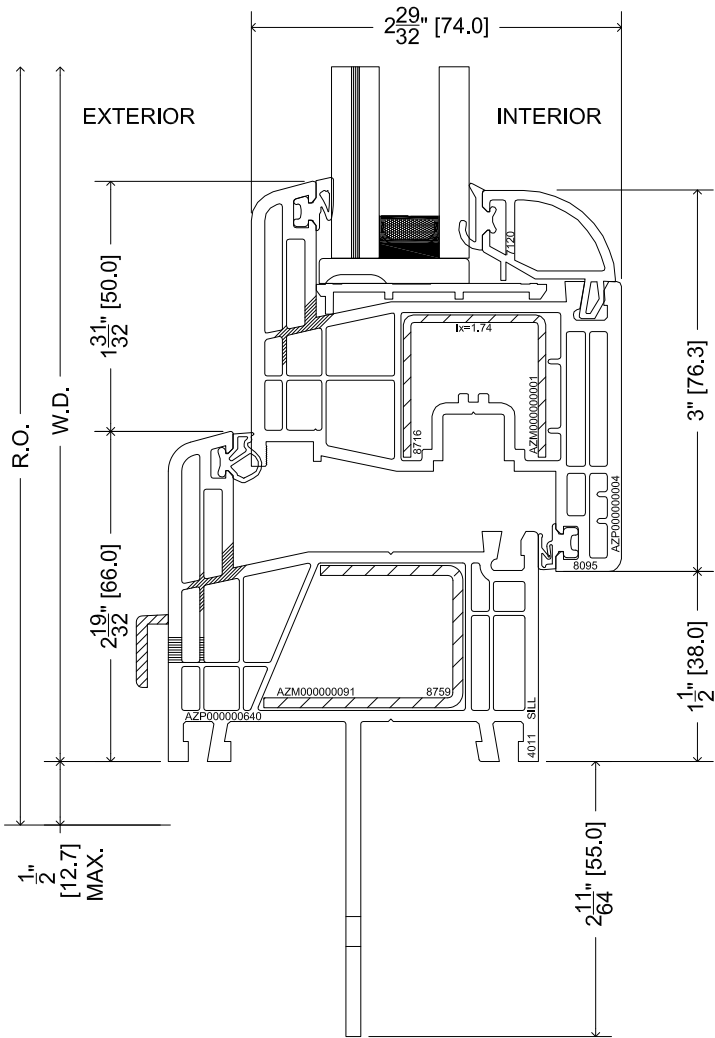
SUPERA INSWING CASEMENT WINDOW, IMPACT



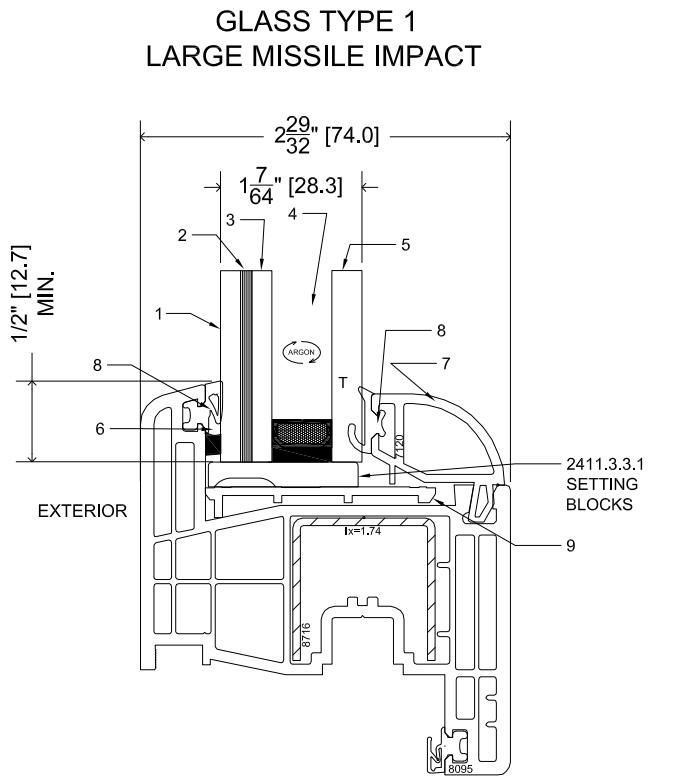
ALT. APPROVED 8097 AW
SASH HEAD/SILL/JAMB



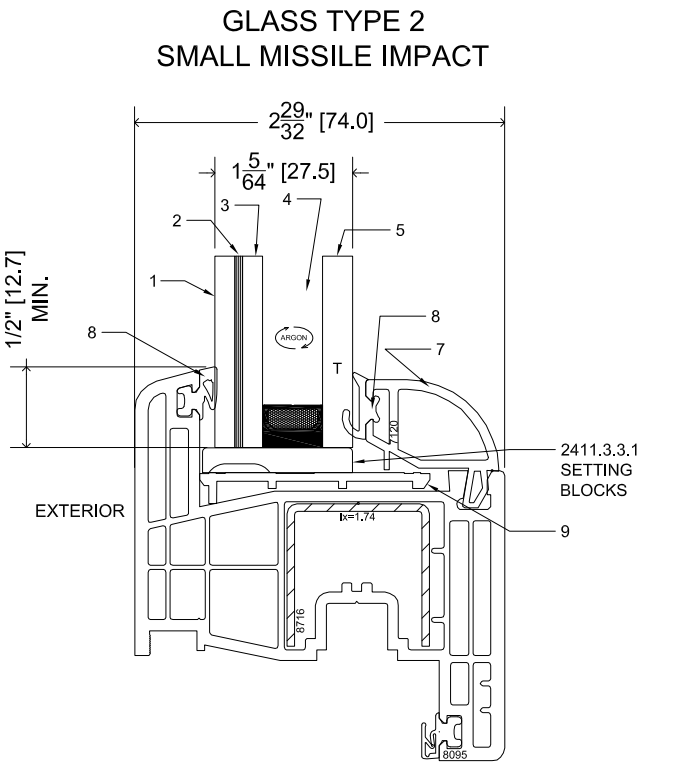
TYPICAL SECTION DETAIL
FLUSH FRAME HEAD/SILL/JAMB
(CW SHOWN, AW ALLOWED)



TYPICAL SECTION DETAIL
FLANGE FRAME HEAD/SILL/JAMB
(CW SHOWN, AW ALLOWED)



- 1- Glass Pane 0.157" (4mm) Annealed
- 2- 0.090" (2.28mm) SentryGlas SG 5000
- 3- Glass Pane 0.157" (4mm) Annealed
- 4- 90% ARGON Space 0.472" (12mm) Swissspacer Advance Warm Edge
- 5- Glass Pane 0.236" (6mm), Fully Tempered
- 6- Tremco SG301 Sealant
- 7- Glazing Bead 7120
- 8- Flexible uPVC gasket
- 9- Plastic shim



- 1- Glass Pane 0.157" (4mm) Annealed or Fully Tempered
- 2- 0.060" (1.52mm) Trosifol XT PVB
- 3- Glass Pane 0.157" (4mm) Annealed or Fully Tempered
- 4- 90% ARGON Space 0.472" (12mm) Swissspacer Advance Warm Edge
- 5- Glass Pane 0.236" (6mm), Fully Tempered
- 6- Not used.
- 7- Glazing Bead 7120
- 8- Flexible uPVC gasket
- 9- Plastic shim

TYPICAL GLAZING DETAILS
(CW SHOWN, AW ALLOWED)



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SHEET DESCRIPTION:
GLAZING, SECTION DETAILS

DATE DRAWN:
6/15/2026

SCALE: NTS

REV: 0

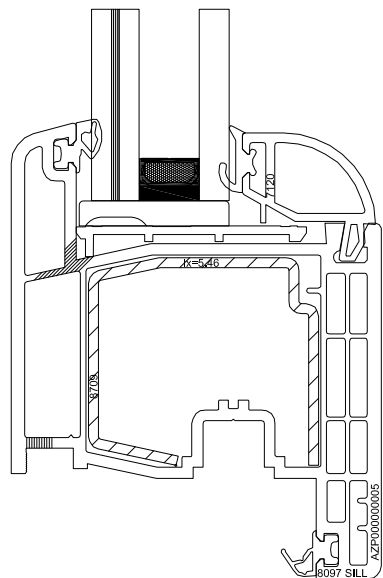
DRAWING: FPA-SUPERA-CA2

SHEET: 3 OF 8



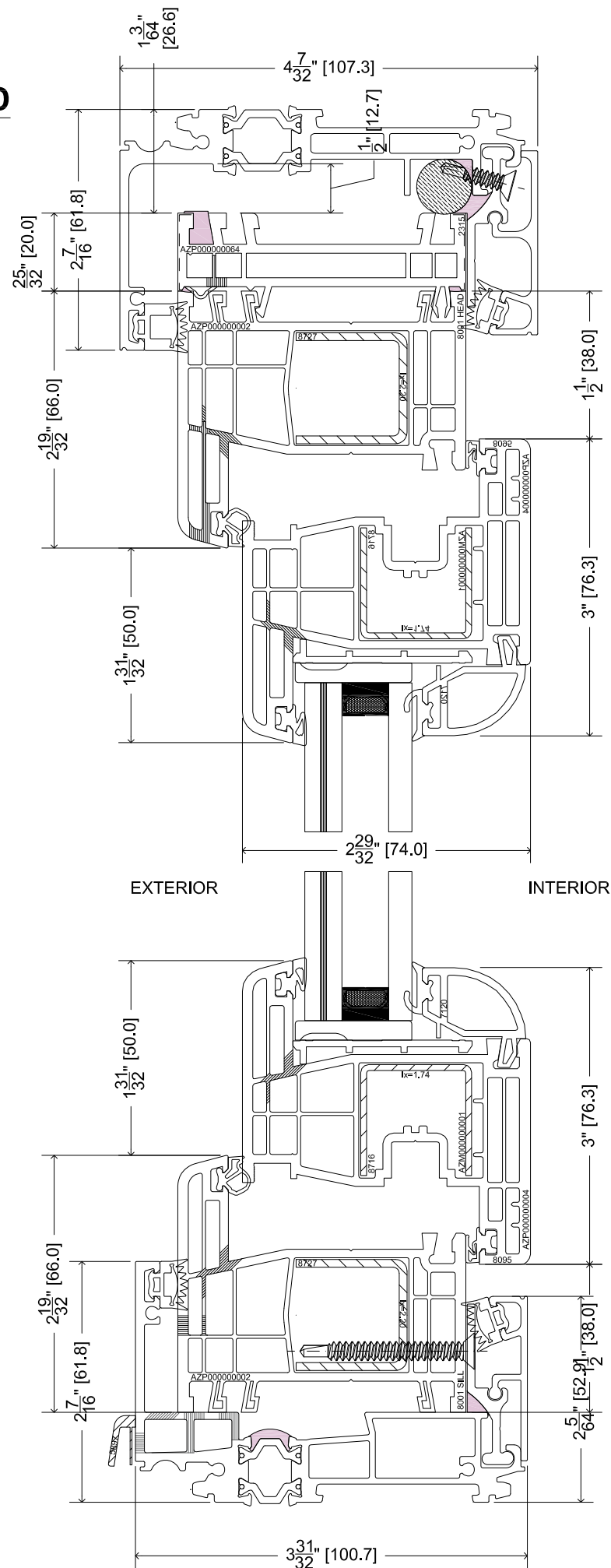
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**TYPICAL SECTION
DETAIL RECEPTOR HEAD
(CW SHOWN, AW ALLOWED)**

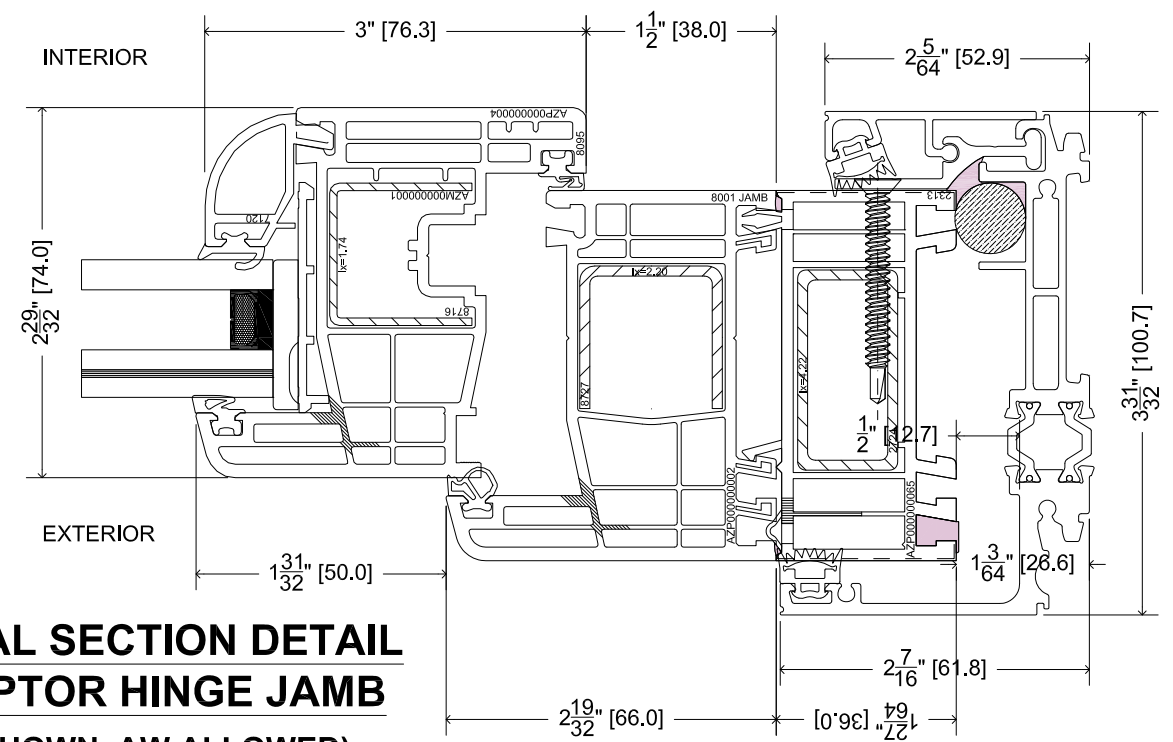


**ALT. AW SASH
(SEE ADD'L DETAIL SHT 2)**

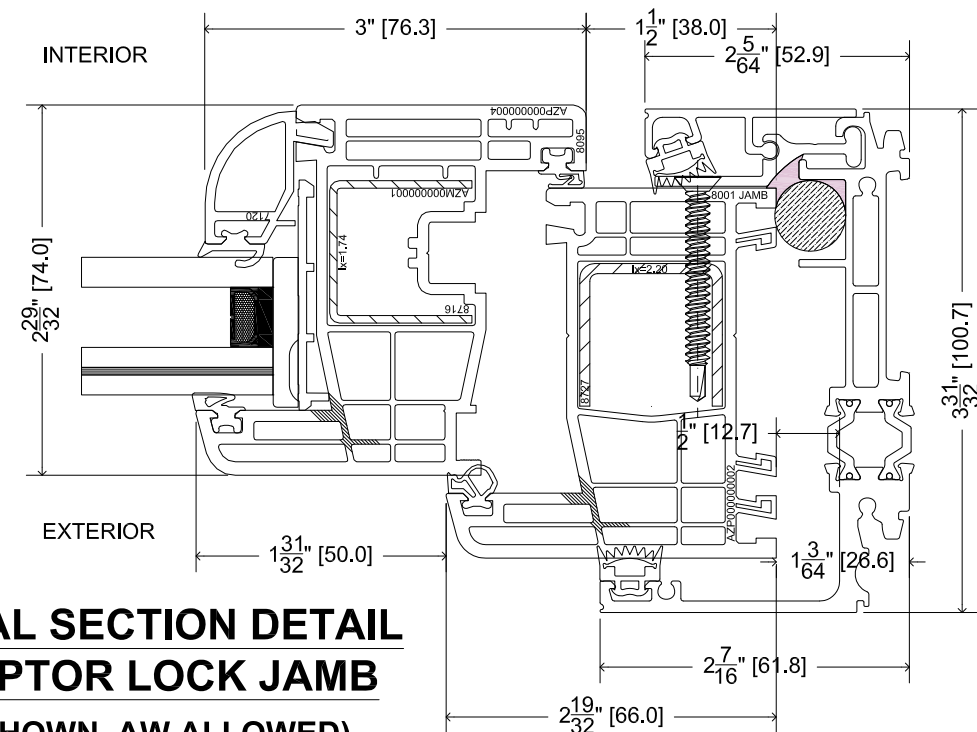
**TYPICAL SECTION
DETAIL RECEPTOR SILL
(CW SHOWN, AW ALLOWED)**



**TYPICAL SECTION DETAIL
RECEPTOR HINGE JAMB
(CW SHOWN, AW ALLOWED)**



**TYPICAL SECTION DETAIL
RECEPTOR LOCK JAMB
(CW SHOWN, AW ALLOWED)**



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SHEET DESCRIPTION:
SECTION DETAILS

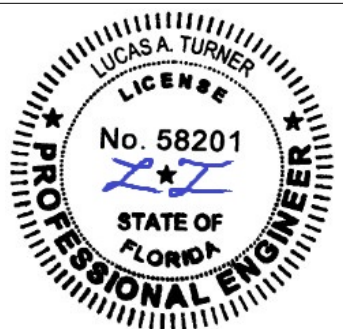
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DRAWING: FPA-SUPERA-CA2

DATE DRAWN:
6/15/2026

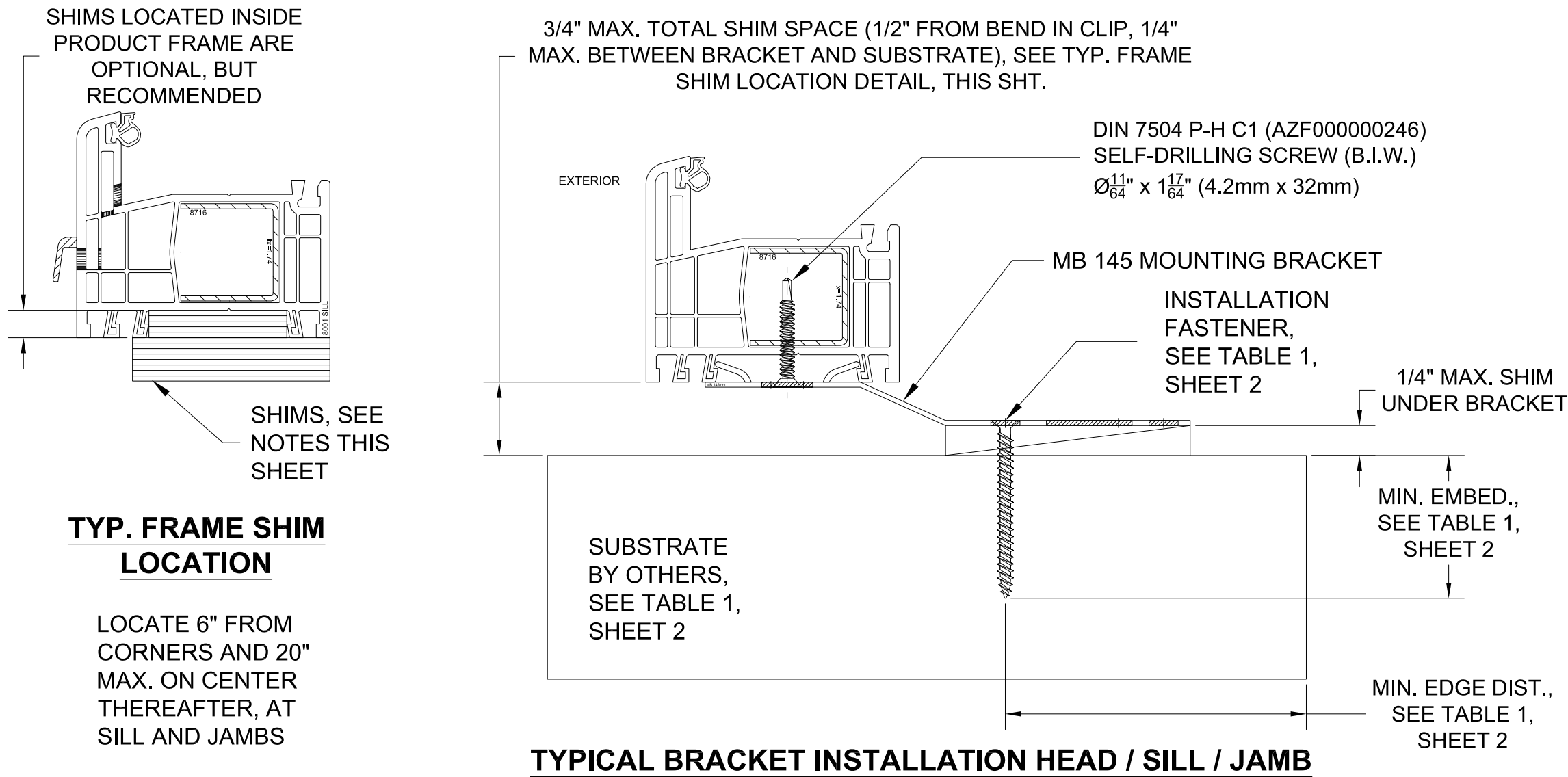
REV: 0

SHEET: 4 OF 8



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SUPERA INSWING CASEMENT WINDOW, IMPACT
MOUNTING BRACKET INSTALLATION



- GENERAL BRACKET ANCHOR NOTES:
1. INSTALL ONE ANCHOR BRACKET AS INDICATED IN DETAILS ON THIS SHEET AT EACH LOCATION SHOWN IN THE ELEVATION ON SHEET 1. INSTALL ANCHOR BRACKET TO PRODUCT FRAME WITH ONE SELF-DRILLING SCREW AS INDICATED, AND INSTALL ANCHOR BRACKET TO OPENING SUBSTRATE USING ONE INSTALLATION FASTENERS IN ACCORDANCE WITH TABLE 1, SHEET 2.
 2. INSTALL SHIMS AS INDICATED THIS SHEET, AT 6" FROM CORNERS AND 20" MAX. ON CENTER THEREAFTER AT JAMBS AND SILL.
 3. SHIMS SHALL BE LOAD-BEARING ABS PLASTIC CAPABLE OF TRANSFERRING LOADS TO SUBSTRATE.
 4. SPECIFIED ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL FINISH OR STUCCO, BY OTHERS. FOR ATTACHMENT TO METAL SUBSTRATES ENSURE FULL THREAD ENGAGEMENT THROUGH METAL WALL WITH MIN. 3 THREADS BEYOND.
 5. FOR MASONRY WITH WOOD BUCKS LESS THAN 1-1/2" THICK, EMBEDMENT SHALL BE BEYOND WOOD BUCKS AND INTO MASONRY. WOOD BUCKS ARE OPTIONAL WITH MASONRY INSTALLATIONS WHERE MASONRY EDGE DISTANCE CONDITIONS ARE MET WITH NO BUCKS. WOOD BUCKS 1-1/2" THICK OR GREATER SHALL HAVE EMBEDMENT INTO THE WOOD BUCKS.
 6. ENSURE 4" MIN. ON-CENTER SPACING BETWEEN ANY TWO INSTALLATION ANCHORS.



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SHEET DESCRIPTION:
MOUNTING BRACKET INSTALLATION

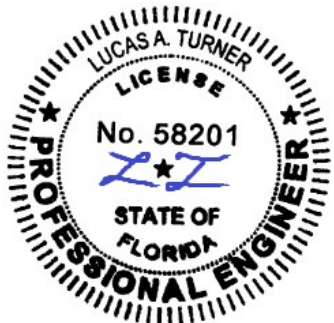
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DRAWING: FPA-SUPERA-CA2

DATE DRAWN:
6/15/2026

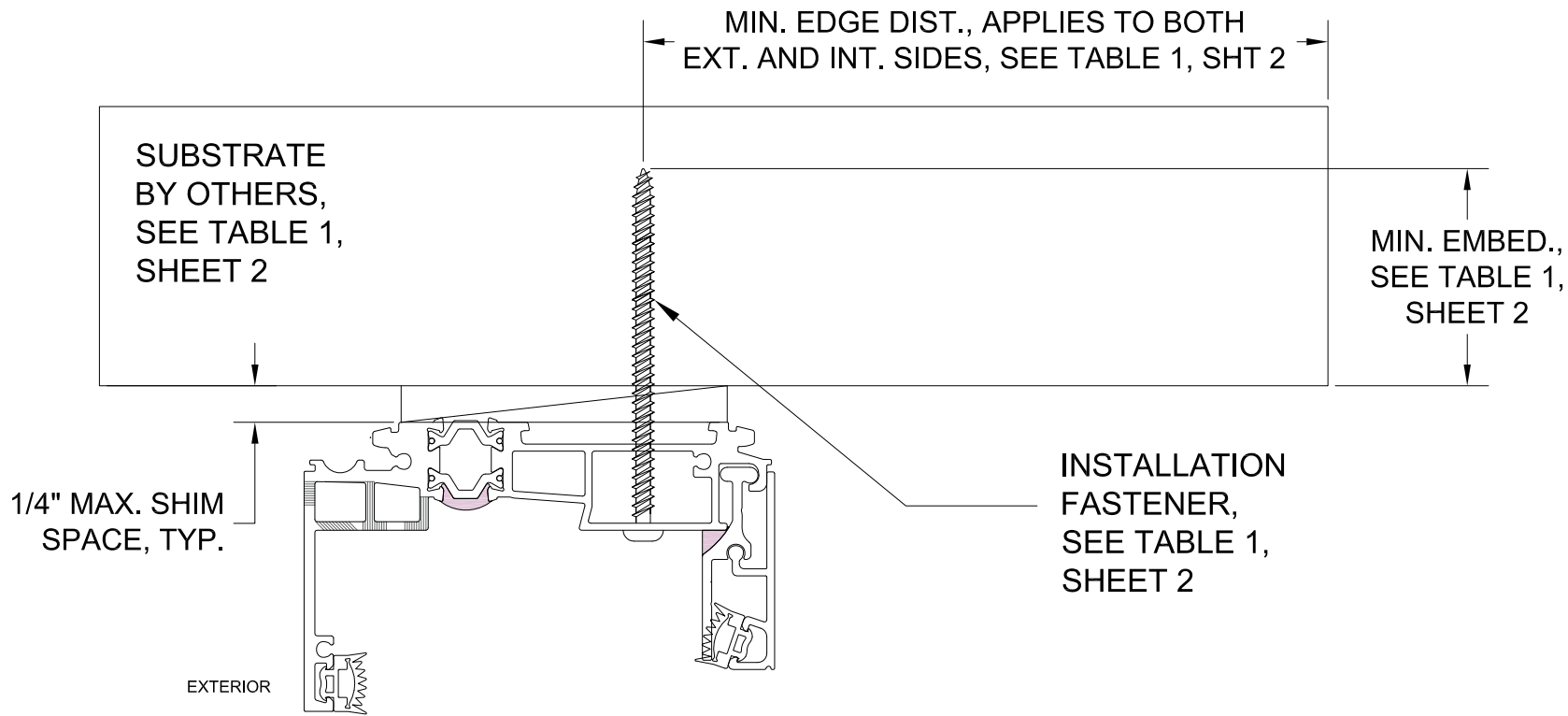
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SHEET: 5 OF 8



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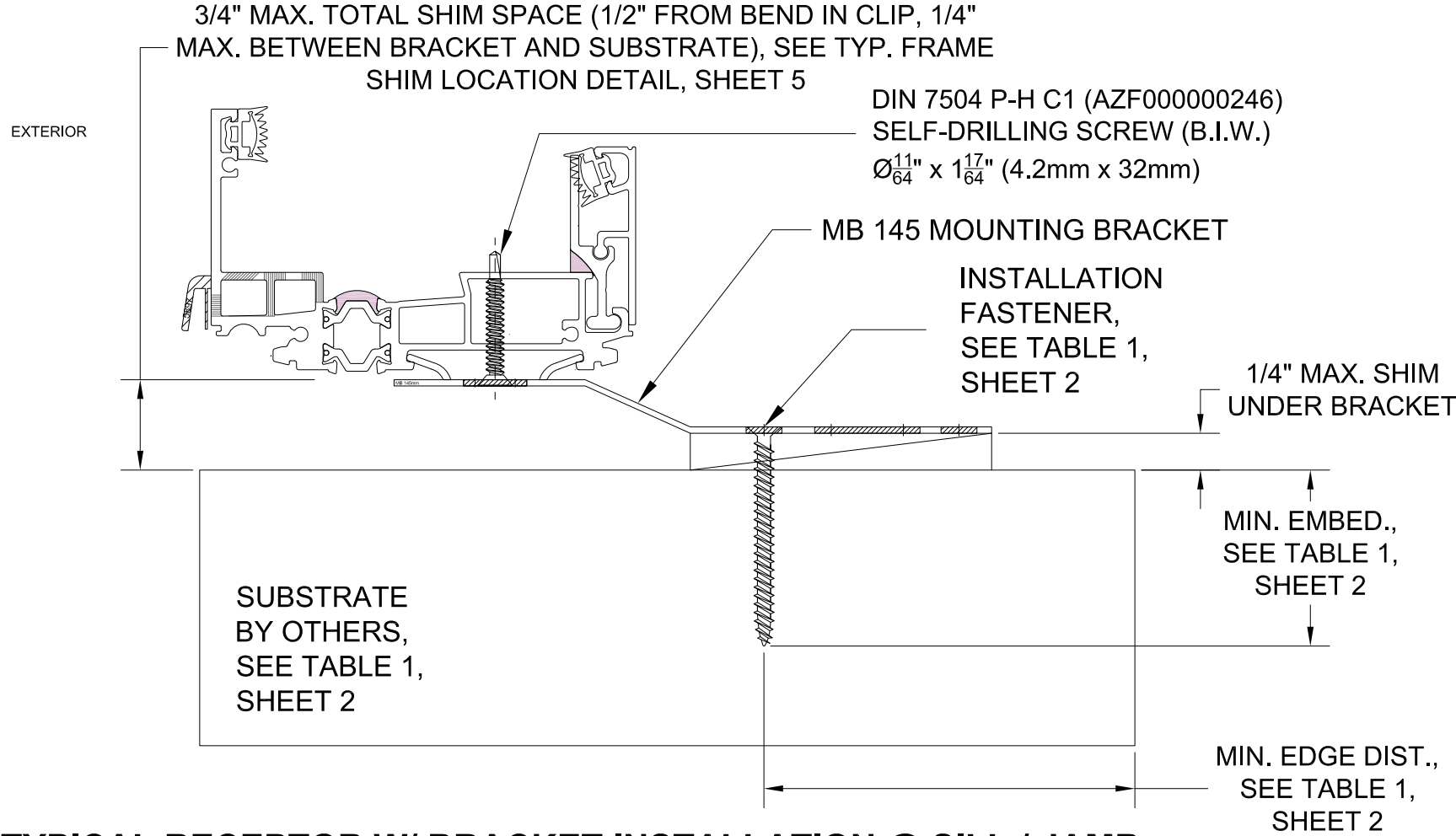
SUPERA INSWING CASEMENT WINDOW, IMPACT RECEPTOR INSTALLATION



TYPICAL RECEPTOR W/ THROUGH-FRAME ANCHOR INSTALLATION @ HEAD

GENERAL RECEPTOR ANCHOR NOTES:

1. AT SILL AND JAMB, SEE GENERAL BRACKET ANCHOR NOTES, SHEET 5. AT HEAD, INSTALL ONE INSTALLATION FASTENER IN ACCORDANCE WITH TABLE 1, SHEET 2, THROUGH RECEPTOR AS SHOWN ON THIS SHEET, AT EACH LOCATION SHOWN IN THE ELEVATION ON SHEET 1.
2. AT SILL AND JAMB, INSTALL SHIMS AS INDICATED ON SHEET 5, AT 6" FROM CORNERS AND 20" MAX. ON CENTER THEREAFTER. AT HEAD INSTALL SHIMS AT EACH ANCHOR LOCATION.
3. SHIMS SHALL BE LOAD-BEARING ABS PLASTIC CAPABLE OF TRANSFERRING LOADS TO SUBSTRATE.
4. SPECIFIED ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL FINISH OR STUCCO, BY OTHERS. FOR ATTACHMENT TO METAL SUBSTRATES ENSURE FULL THREAD ENGAGEMENT THROUGH METAL WALL WITH MIN. 3 THREADS BEYOND.
5. FOR MASONRY WITH WOOD BUCKS LESS THAN 1-1/2" THICK, EMBEDMENT SHALL BE BEYOND WOOD BUCKS AND INTO MASONRY. WOOD BUCKS ARE OPTIONAL WITH MASONRY INSTALLATIONS WHERE MASONRY EDGE DISTANCE CONDITIONS ARE MET WITH NO BUCKS. WOOD BUCKS 1-1/2" THICK OR GREATER SHALL HAVE EMBEDMENT INTO THE WOOD BUCKS.
6. ENSURE 4" MIN. ON-CENTER SPACING BETWEEN ANY TWO INSTALLATION ANCHORS



TYPICAL RECEPTOR W/ BRACKET INSTALLATION @ SILL / JAMB



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SHEET DESCRIPTION:
RECEPTOR INSTALLATION

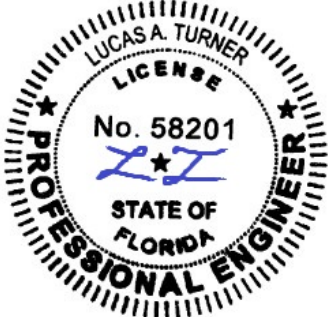
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DRAWING: FPA-SUPERA-CA2

DATE DRAWN:
6/15/2026

REV: 0

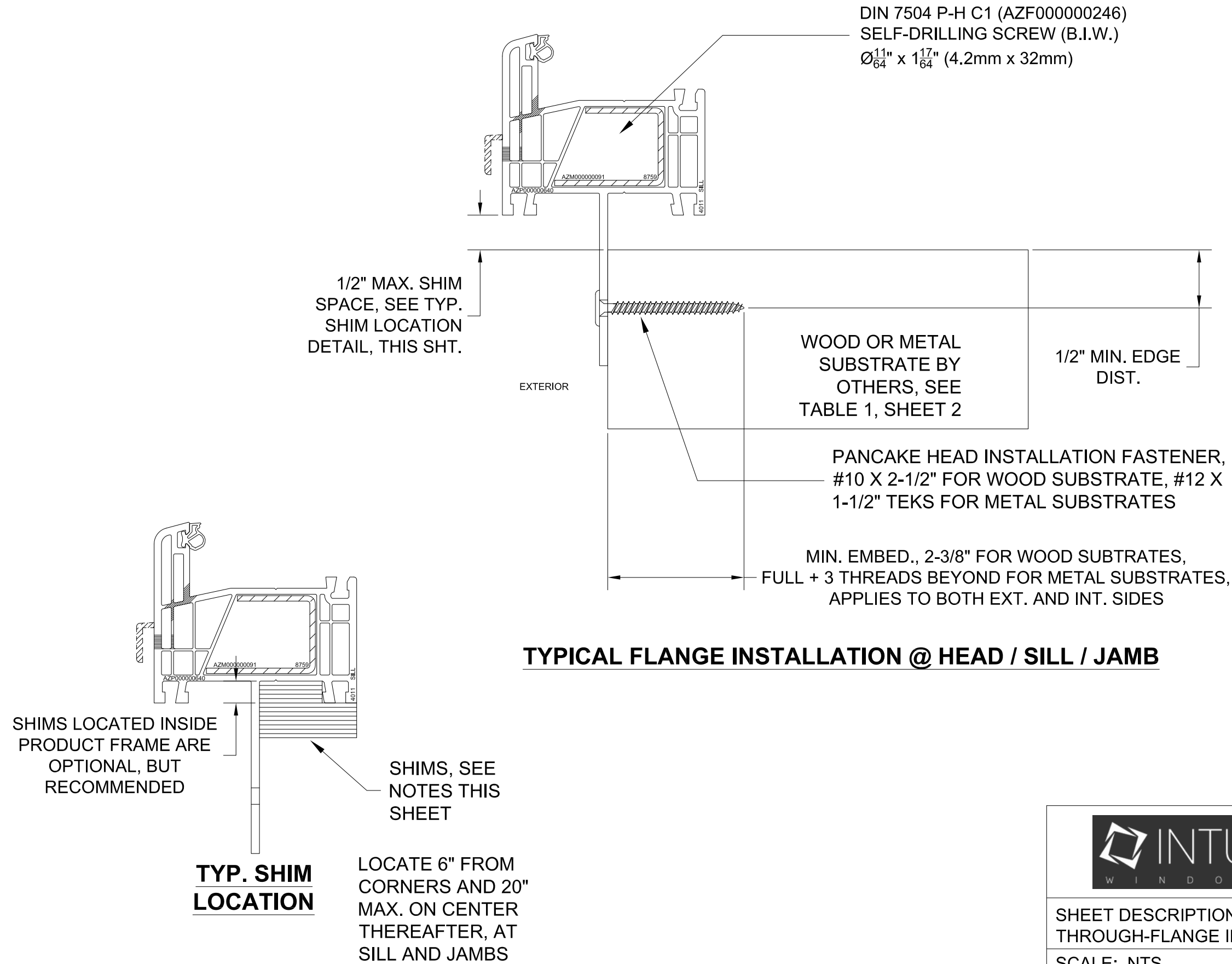
SHEET: 6 OF 8



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SUPERA INSWING CASEMENT WINDOW, IMPACT
FLANGE INSTALLATION



- GENERAL FLANGE FRAME ANCHOR NOTES:
- 1. INSTALL ONE THROUGH-FLANGE FASTENER AS INDICATED IN DETAILS ON THIS SHEET AT EACH LOCATION SHOWN IN THE ELEVATION ON SHEET 1.
 - 2. INSTALL SHIMS AS INDICATED THIS SHEET, AT 6" FROM CORNERS AND 20" MAX. ON CENTER THEREAFTER AT FULL PERIMETER.
 - 3. SHIMS SHALL BE LOAD-BEARING ABS PLASTIC CAPABLE OF TRANSFERRING LOADS TO SUBSTRATE.
 - 4. SPECIFIED ANCHOR EMBEDMENT TO WOOD SUBSTRATE SHALL BE BEYOND WALL FINISH OR STUCCO, BY OTHERS. FOR ATTACHMENT TO METAL SUBSTRATES ENSURE FULL THREAD ENGAGEMENT THROUGH METAL WALL WITH MIN. 3 THREADS BEYOND.
 - 5. ENSURE 2" MIN. ON-CENTER SPACING BETWEEN ANY TWO INSTALLATION ANCHORS.



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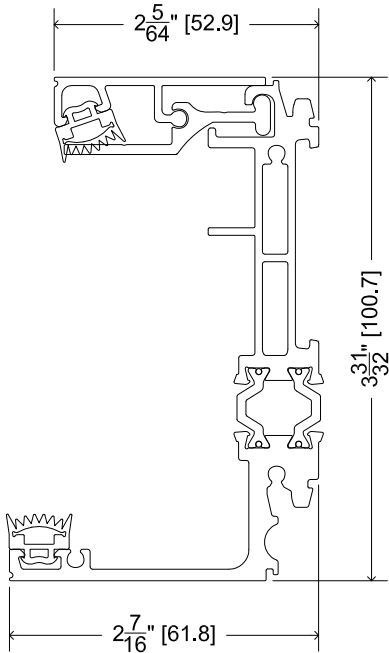


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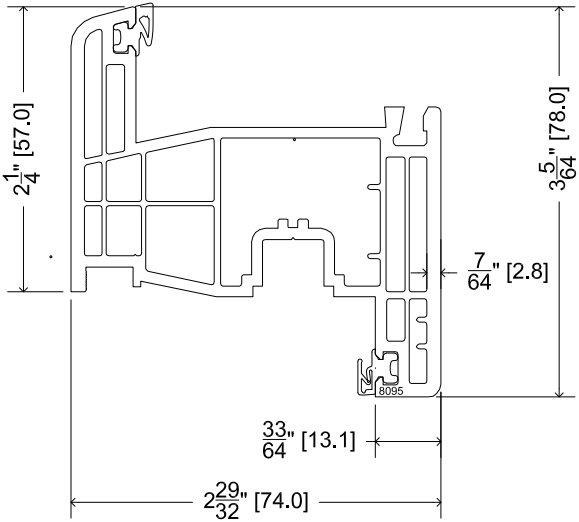
SHEET DESCRIPTION: THROUGH-FLANGE INSTALLATION	DATE DRAWN: 6/15/2026
SCALE: NTS	REV: 0
DRAWING: FPA-SUPERA-CA2	SHEET: 7 OF 8

BILL OF MATERIALS

PART #	DESCRIPTION	SOURCE	MATERIAL
2313	RECEPTOR JAMB FILLER	GEALAN	uPVC
2315	RECEPTOR HEAD FILLER	GEALAN	uPVC
2724	REC. JAMB FILLER REINF.	GEALAN	GALV. STEEL
4011 SILL	FLANGE FRAME SILL	GEALAN	uPVC
4011	FLANGE FRAME HEAD/JAMB	GEALAN	uPVC
5897	RECEPTOR HEAD/JAMB	GEALAN	T.B. ALUM. 6063-T6
5897	RECEPTOR SILL	GEALAN	T.B. ALUM. 6063-T6
7120	GLAZING BEAD	GEALAN	uPVC
8001 SILL	FRAME SILL	GEALAN	uPVC
8001	FRAME HEAD/JAMB	GEALAN	uPVC
8095 SILL	CW SASH SILL	GEALAN	uPVC
8095	CW SASH HEAD/JAMB	GEALAN	uPVC
8097 SILL	AW SASH SILL	GEALAN	uPVC
8097	AW SASH HEAD/JAMB	GEALAN	uPVC
8709	REINFORCEMENT	GEALAN	GALV. STEEL
8716	REINFORCEMENT	GEALAN	GALV. STEEL
8759	REINFORCEMENT	GEALAN	GALV. STEEL
MB 145	MOUNTING BRACKET	GEALAN	GALV. STEEL

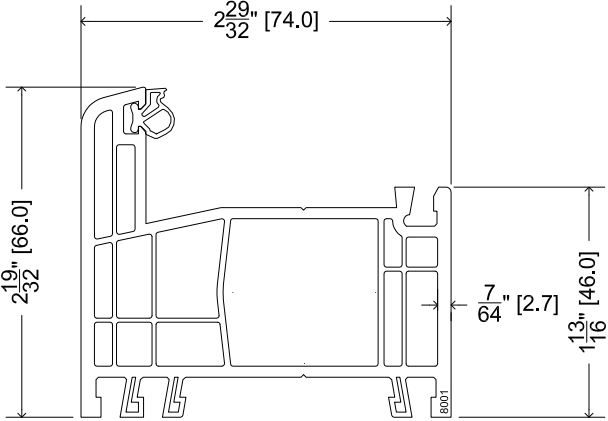


5897

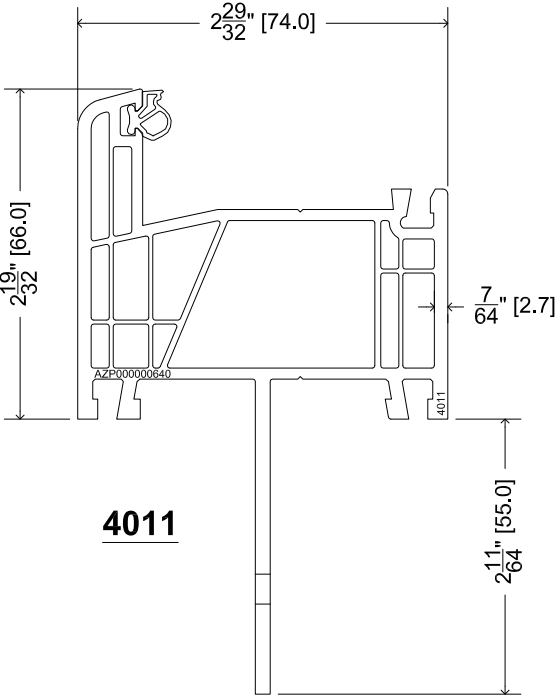


CW SASH 8095

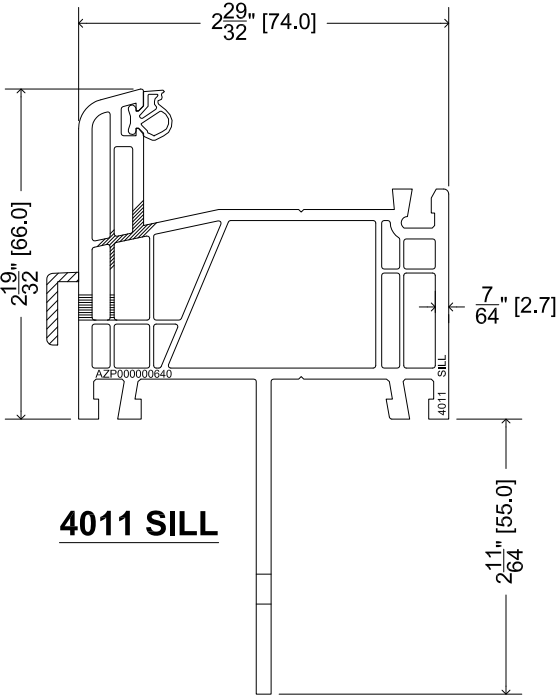
(SEE AW 8097, SHEET 2)



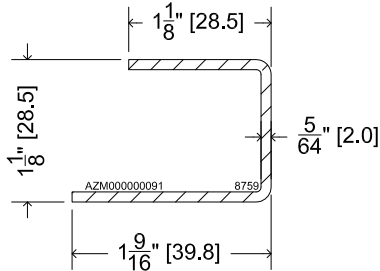
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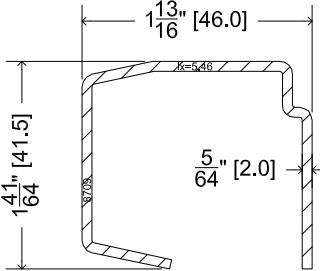
4011



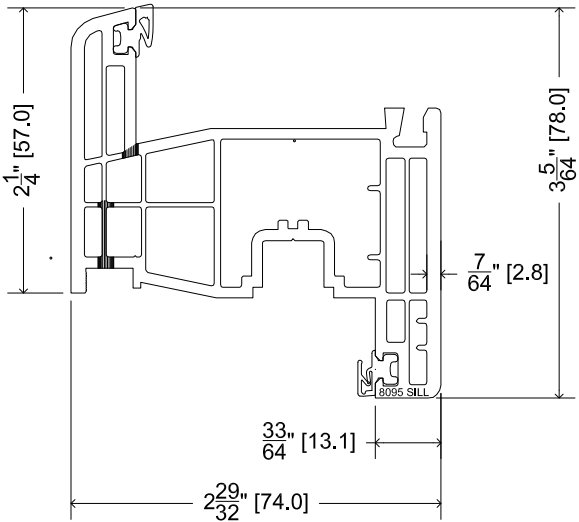
4011 SILL



8759

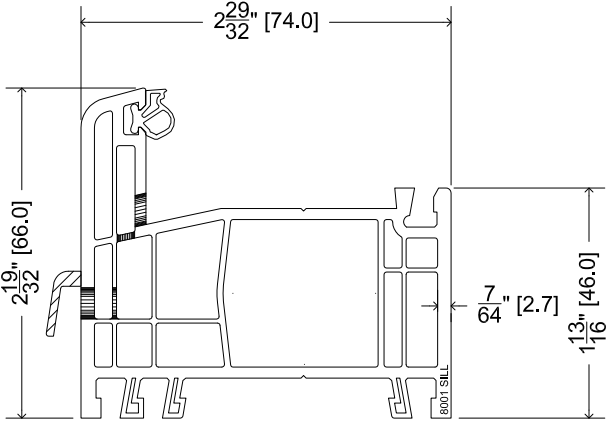


8709

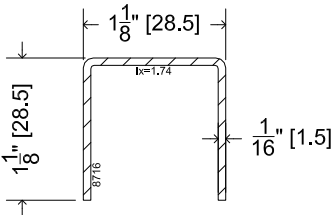


CW SASH 8095 SILL

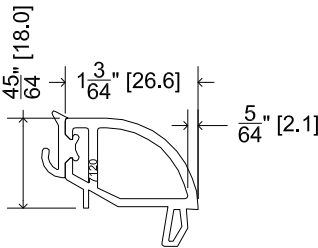
(SEE AW 8097 SILL, SHEET 2)



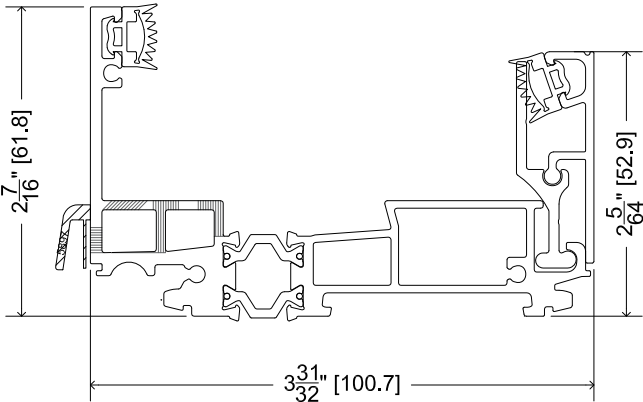
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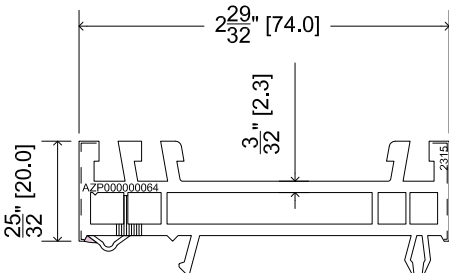
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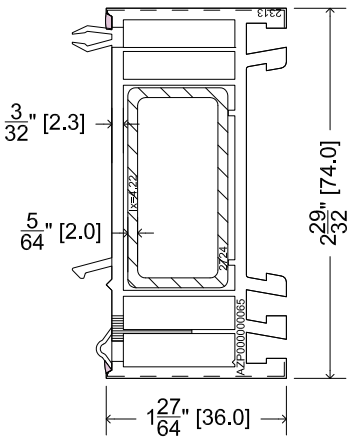
7120



5897



2315



2313 / 2724



2720 Prosperity Ave.
Suite 400-1
Fairfax, VA 22031
Ph. (888) 380-9940

SHEET DESCRIPTION:
BOM, PART DWGS

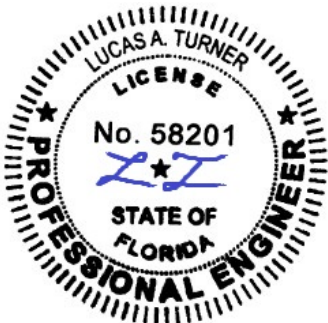
SCALE: NTS

DRAWING: FPA-SUPERA-CA2

DATE DRAWN:
6/15/2026

REV: 0

SHEET: 8 OF 8



6/30/2026
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