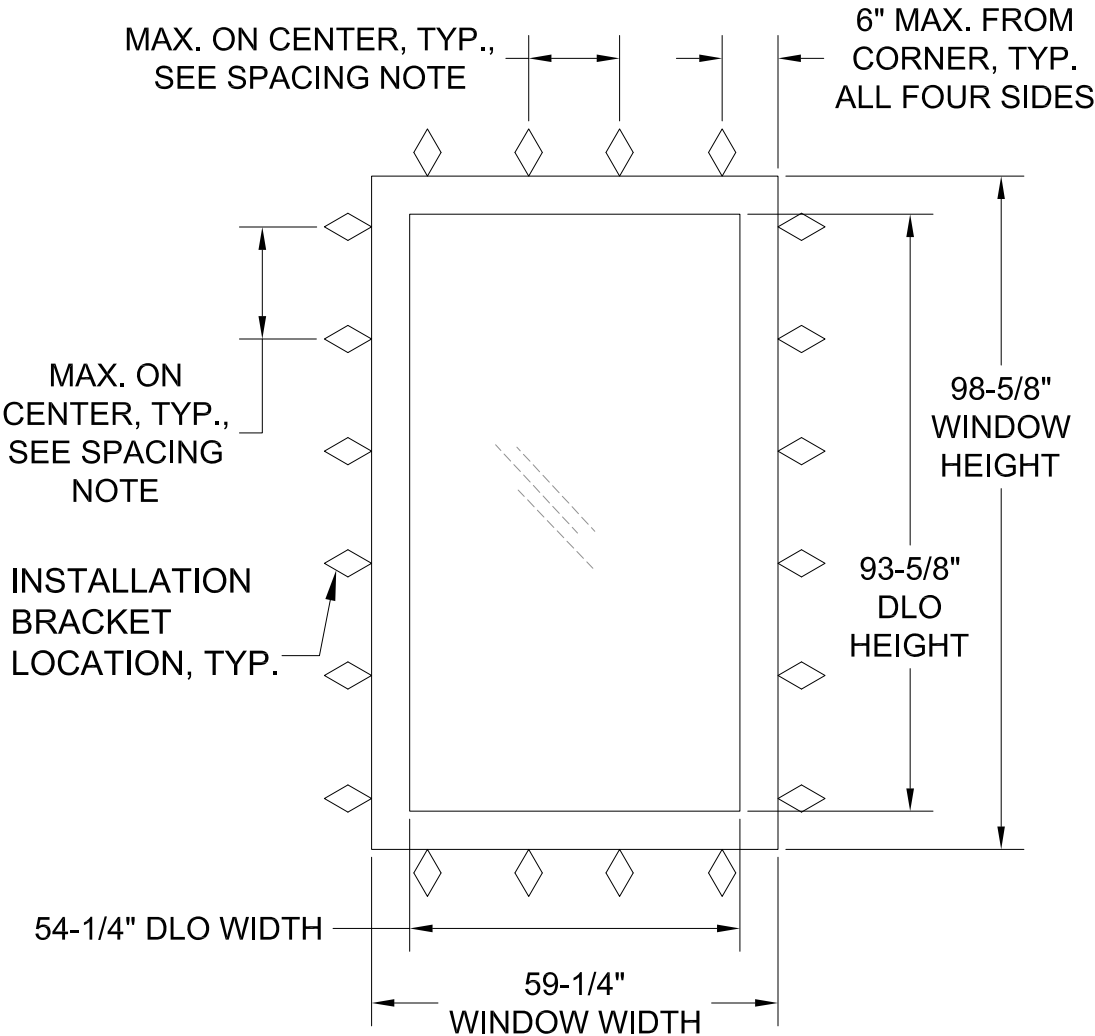




SPACING NOTE: 11-3/4" MAX. SPACING REQUIRED FULL PERIMETER FOR INSTALLATIONS TO CONCRETE OR MASONRY. 18" MAX. SPACING AT JAMBS AND 16" MAX. SPACING AT HEAD/SILL FOR INSTALLATION TO WOOD OR METAL SUBSTRATES.

SMALL MISSILE (GLASS TYPE 1)
ALLOWABLE DESIGN PRESSURES (PSF)

Window Height (in.)	Window Width (in.)		
	47 1/4	53 1/4	59 1/4
86 5/8	+/- 70	+/- 70	+/- 70
92 5/8	+/- 70	+/- 70	+/- 65
98 5/8	+/- 70	+/- 65	+/- 60

NOTE: WIDTH AND HEIGHT DIMENSIONS MAY BE SWAPPED. WINDOW DIMENSIONS REPRESENT MAXIMUM AREA, OTHER SIZES ARE ALLOWED PROVIDED AREA IS NOT EXCEEDED.

TYP. ELEVATION
SEE DETAILS SHEET 2

DESIGN PRESSURE RATING	IMPACT RATING	GLAZING REQUIRED (SEE SHEET 2)
SEE CHART THIS SHEET	SMALL MISSILE	GLASS TYPE 1
+/- 70 PSF	LARGE MISSILE	GLASS TYPE 2

Lucas Turner
2024.05.16 13:51:31
-05'00'



4/16/2024
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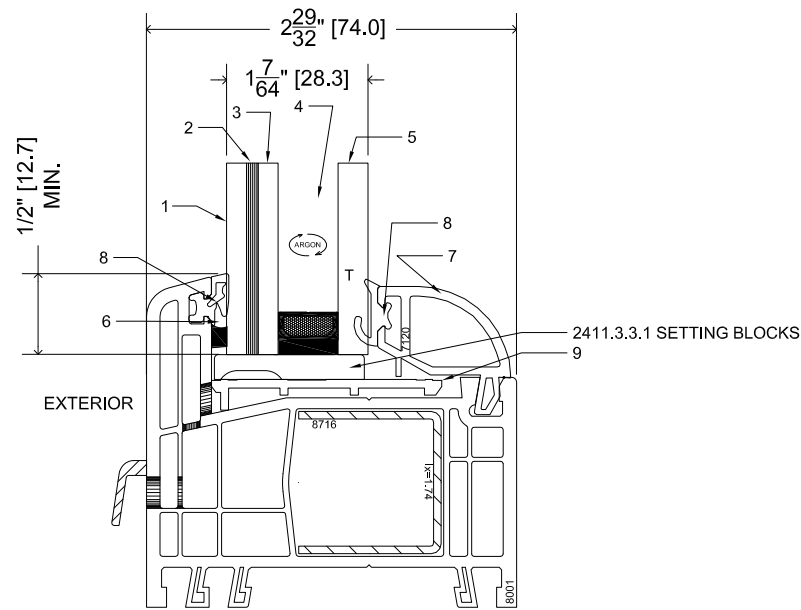


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SHEET DESCRIPTION: NOTES, ELEVATIONS, DPs	DATE DRAWN: 8/23/2023
SCALE: NTS	REV: A
DRAWING: FPA-SUPERA-PW	SHEET: 1 OF 4

SUPERA FIXED WINDOW, IMPACT

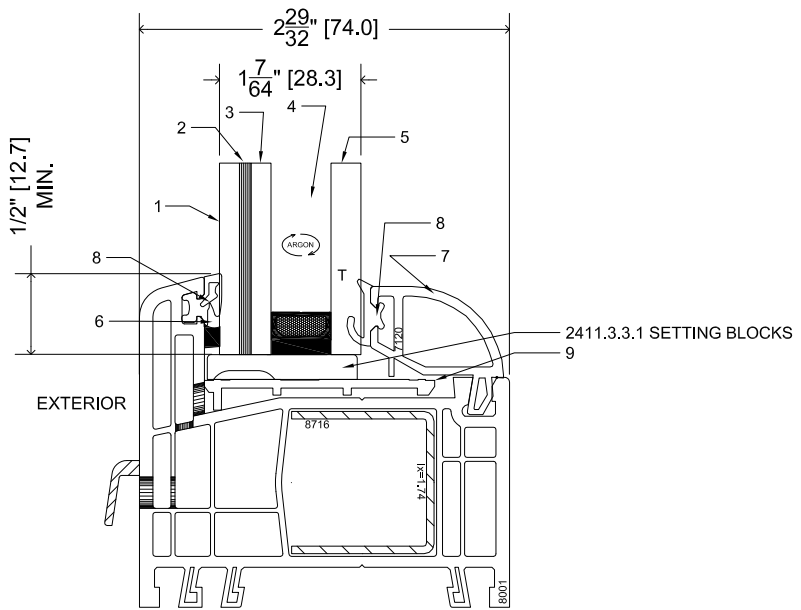
GLASS TYPE 1
SMALL MISSILE IMPACT



- 1- Glass Pane 0.157" (4mm) Annealed
- 2- 0.060" (1.52mm) Eastman Saflex PVB
- 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

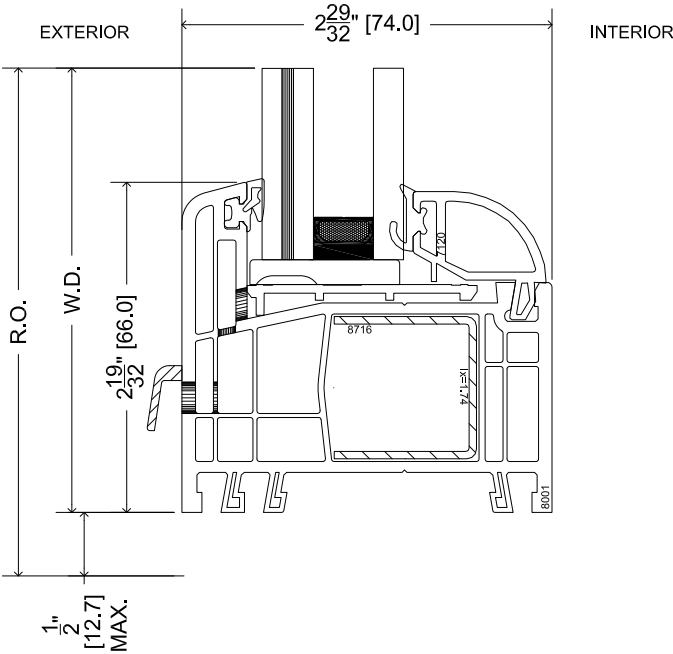
TYPICAL GLAZING
DETAIL, SMALL MISSILE

GLASS TYPE 2
LARGE MISSILE IMPACT



- 1- Glass Pane 0.157" (4mm) Annealed
- 2- 0.090" (2.28mm) Kuraray Sentryglas
- 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

TYPICAL GLAZING
DETAIL, LARGE MISSILE



TYPICAL SECTION DETAIL
HEAD/SILL/JAMB



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SHEET DESCRIPTION:
GLAZING, SECTION DETAILS

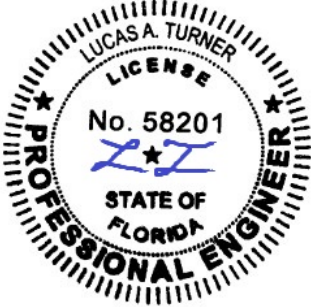
SCALE: NTS

DRAWING: FPA-SUPERA-PW

DATE DRAWN:
8/23/2023

REV: A

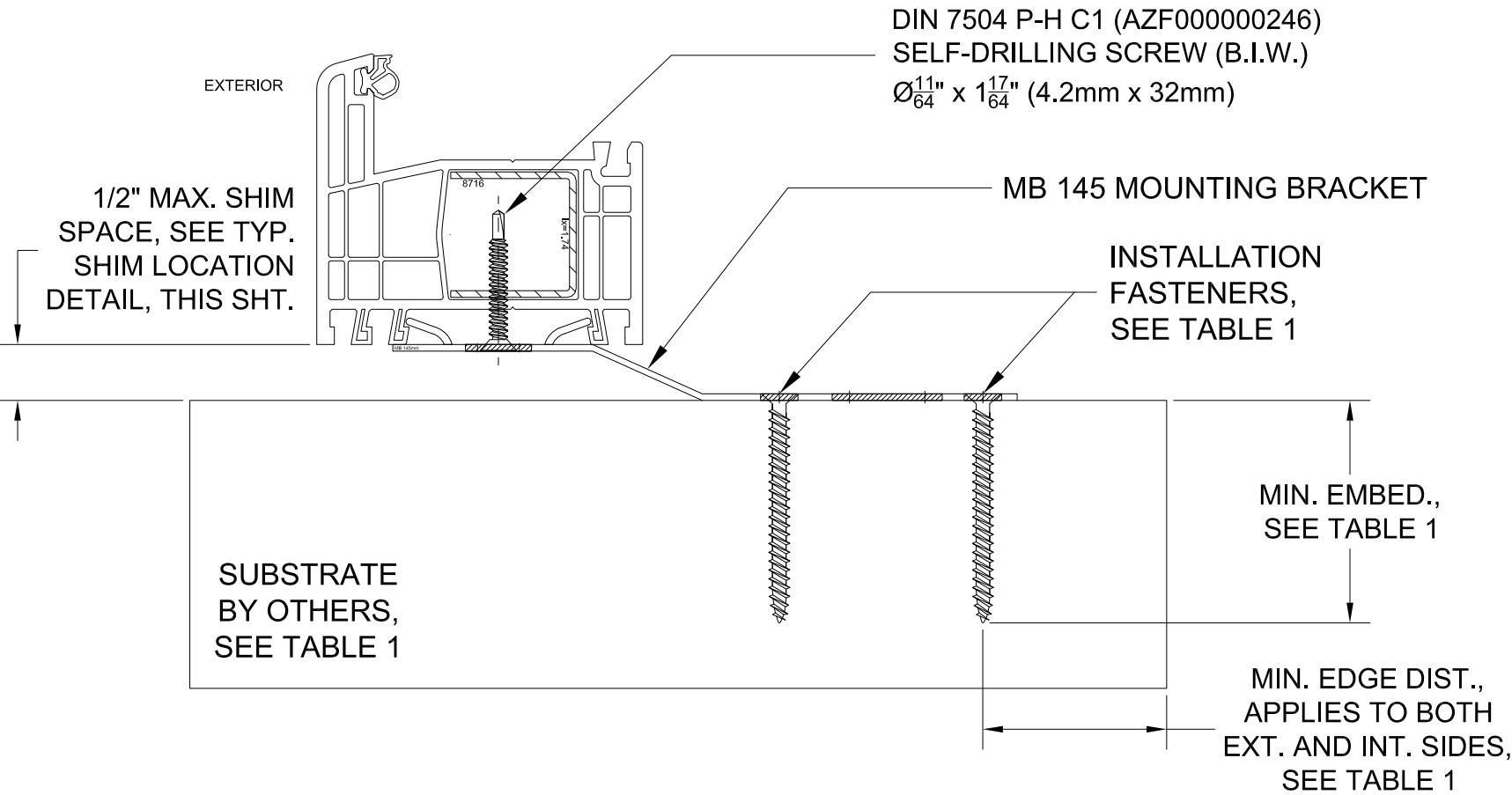
SHEET: 2 OF 4



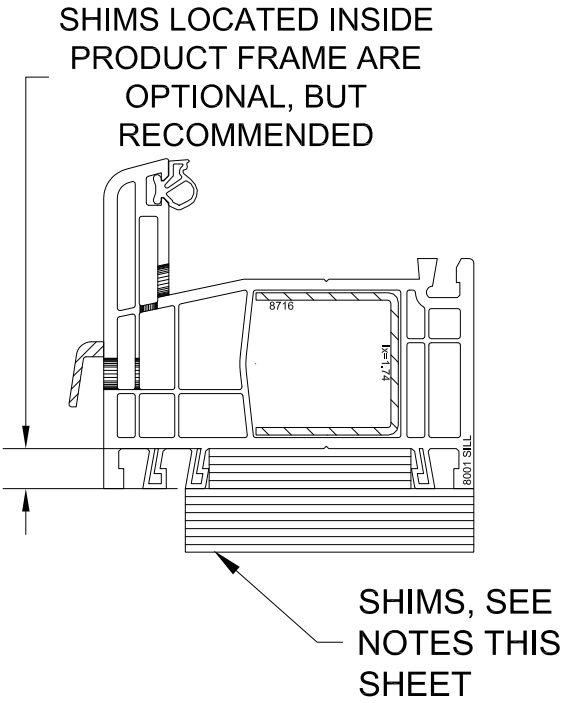
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SUPERA FIXED WINDOW, IMPACT



TYPICAL BRACKET INSTALLATION HEAD / SILL / JAMB



TYP. SHIM LOCATION

LOCATE 6" FROM CORNERS AND 20" MAX. ON CENTER THEREAFTER, AT SILL AND JAMBS

- GENERAL 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 TWO INSTALLATION FASTENERS IN ACCORDANCE WITH TABLE 1.
 - 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 1-1/2" MIN. ON-CENTER SPACING BETWEEN ANY TWO INSTALLATION ANCHORS.

TABLE 1: MOUNTING BRACKET INSTALLATION ANCHOR REQUIREMENTS TABLE			
SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED.	MIN. EDGE DIST.
CONCRETE (2.0 KSI MIN)	3/16" ITW TAPCON	1"	3"
HOLLOW OR GROUT-FILLED CMU (117 PCF MIN.)	3/16" ITW TAPCON	1"	3"
CONCRETE (3.05 KSI MIN.)	3/16" DEWALT ULTRACON+	1-3/4"	1"
GROUT-FILLED CMU (ASTM C90)	3/16" DEWALT ULTRACON+	1-3/4"	1"
2X MIN. SOUTHERN PINE WOOD (G=0.55)	#10 GRADE 5 WOOD SCREW	1-3/8"	1"
16 GAUGE (0.060") MIN. STEEL STUD, 33KSI YIELD MIN., OR 1/8" ALUM. 6063-T5 MIN.	#10-16 HILTI KWIK-FLEX OR ITW TEKS SELF-DRILLING SCREW	FULL	1/2"

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SHEET DESCRIPTION: INSTALLATION		DATE DRAWN: 8/23/2023	
SCALE: NTS		REV: A	
DRAWING: FPA-SUPERA-PW		SHEET: 3 OF 4	

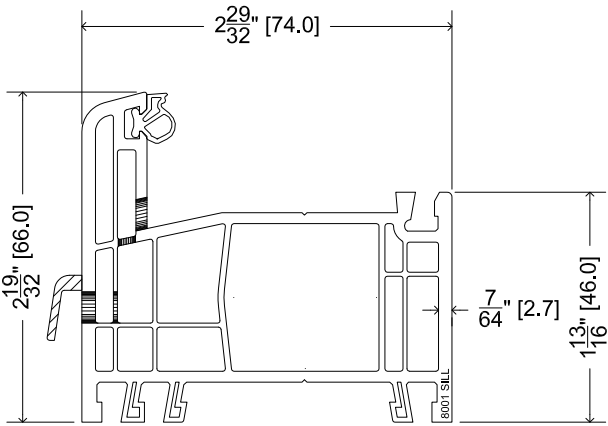


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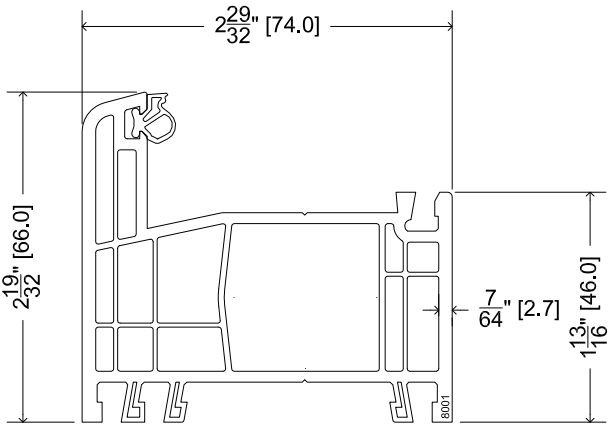
BILL OF MATERIALS

PART #	DESCRIPTION	SOURCE	MATERIAL
8001 SILL	FRAME SILL	GEALAN	uPVC
8001	FRAME HEAD/JAMB	GEALAN	uPVC
7120	GLAZING BEAD	GEALAN	uPVC
8716	REINFORCEMENT	GEALAN	GALV. STEEL
MB 145	MOUNTING BRACKET	GEALAN	GALV. STEEL

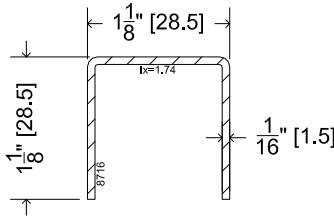
SUPERA FIXED WINDOW, IMPACT



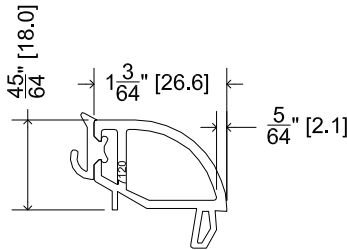
8001 SILL



8001



8716



7120



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SHEET DESCRIPTION:
 BOM, PART DWGS

DATE DRAWN:
 8/23/2023

SCALE: NTS

REV: A

DRAWING: FPA-SUPERA-PW

SHEET: 4 OF 4



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