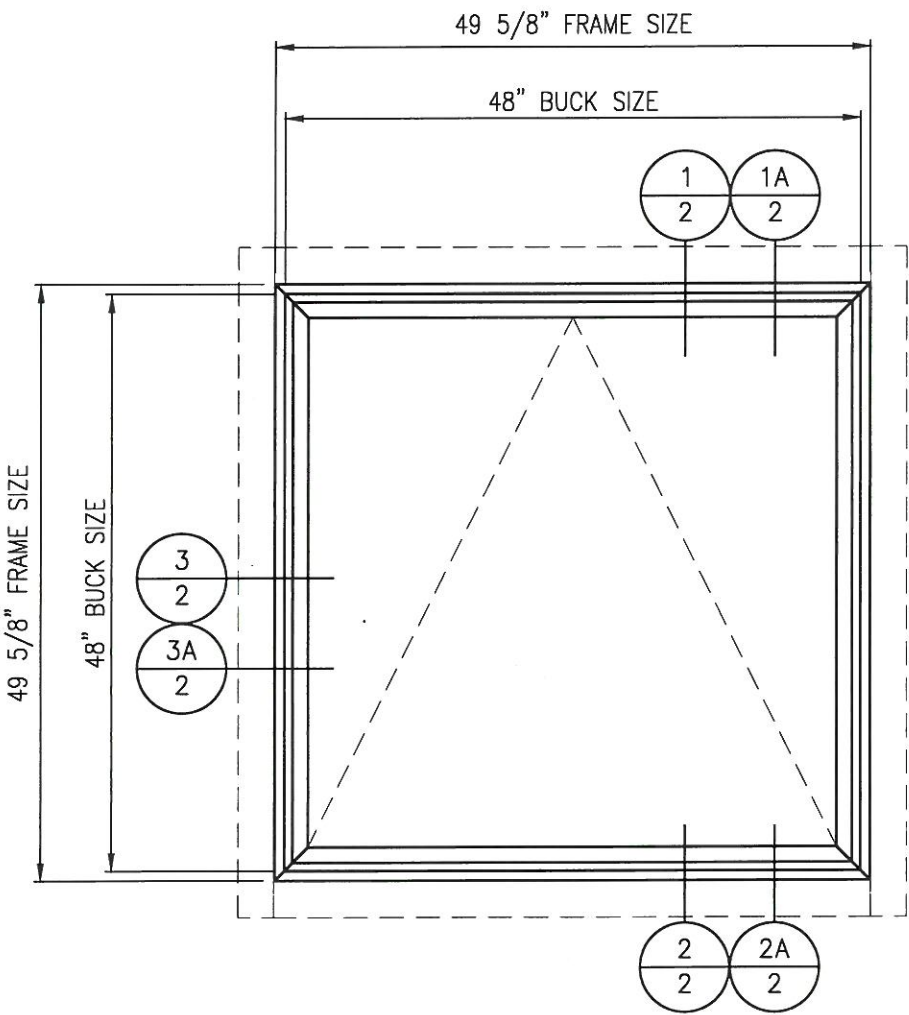
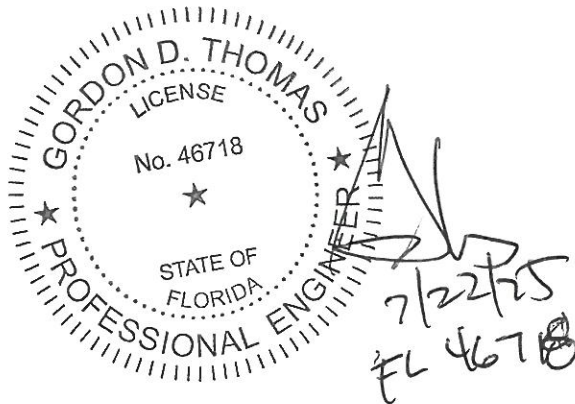


SERIES 1100Z - ZERO SITE LINE
PROJECTED WINDOW
"LARGE MISSILE IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
2. When used in "HVHZ" this product complies with section 1626 of the Florida Building Code and does not require an impact resistant covering.
3. When used in areas outside of the "HVHZ" requiring wind borne debris protection this product complies with section 1609.1.2 of the Florida Building Code and does not require an impact resistant covering.
4. All shims to be high impact, non-metallic and non-compressible.
5. This product meets water infiltration requirements for "HVHZ"
6. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.



PROJECTED WINDOW DESIGN PRESSURE TABLE

GLAZING	MAX. VENT SIZE	MAX. BUCK SIZE	DESIGN PRESSURE (PSF)		IMPACT RATING
			POSITIVE	NEGATIVE	
9/16"	49-5/8" X 49-5/8"	48" X 48"	+100	-100	LARGE MISSILE IMPACT
1-5/16"	49-5/8" X 49-5/8"	48" X 48"	+100	-100	LARGE MISSILE IMPACT

INDEX TO DRAWINGS

SHEET #	DESCRIPTION
1	GENERAL NOTES, ELEVATION AND DESIGN PRESSURES
2	FRAME ASSEMBLY DETAILS
3	VENT HARDWARE
4	COMPONENTS AND GLAZING

5008 TAMPA WEST BLVD.
TAMPA, FLORIDA 33634
PHONE: (813) 889-0718
FAX: (813) 886-0666



SUNMETALS SERIES 1100Z
LARGE MISSILE IMPACT

PART OR ASSEMBLY:
GENERAL NOTES
ELEVATION AND DESIGN PRESSURES

NO	DATE	DESCRIPTION	BY	REVISIONS	
				DATE	BY
2	7/14/25	UPDATE TO 8TH ED. (2023) FBC	ECV		
1	9/21/20	UPDATE TO 7TH ED. (2020) FBC	JCB		

DATE: 11/29/17

SCALE: NA

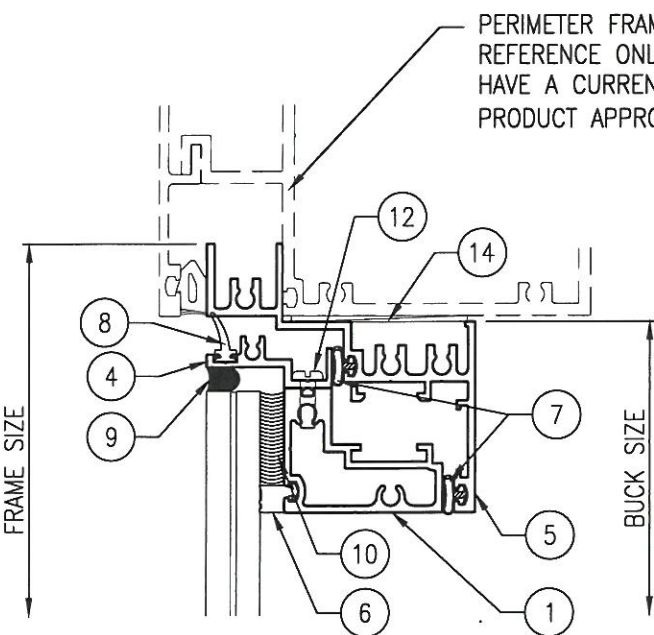
DWG. BY: CO

CHK BY: ECV

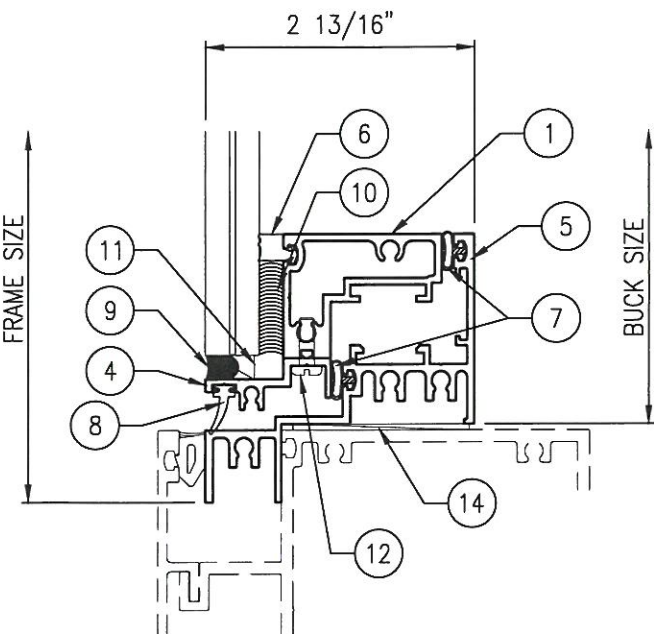
DRAWING NO.:
FL24543.1

SHEET: 1 OF 4

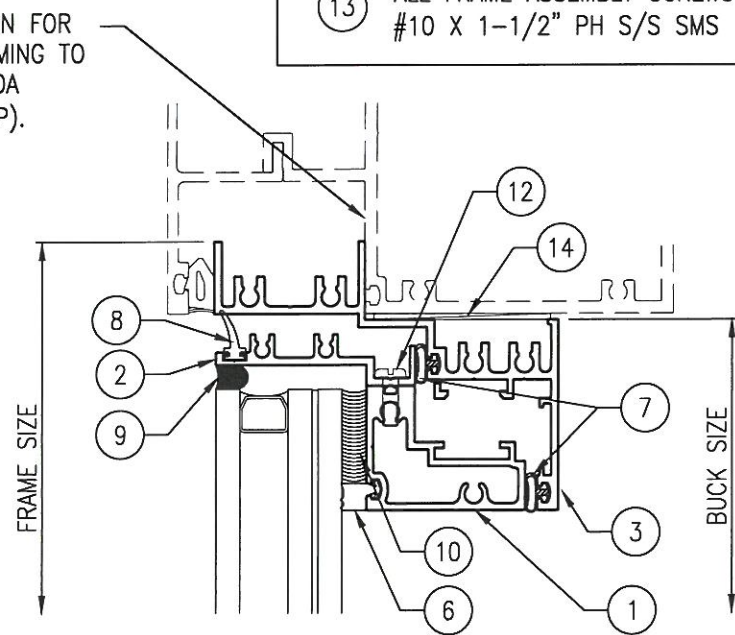
FRAME ASSEMBLY



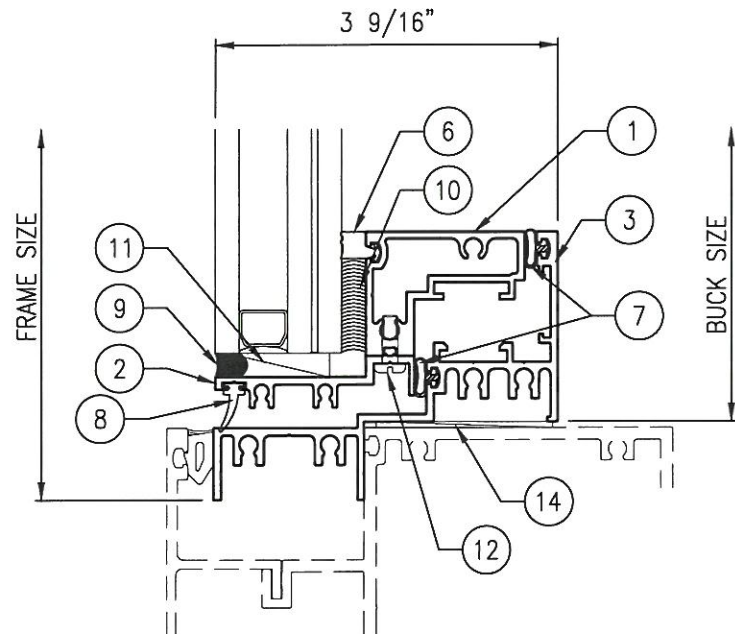
1 HEAD - FRAME ASSEMBLY
9/16" GLAZING Scale: 6" = 1'-0"



2 SILL - FRAME ASSEMBLY
9/16" GLAZING Scale: 6" = 1'-0"

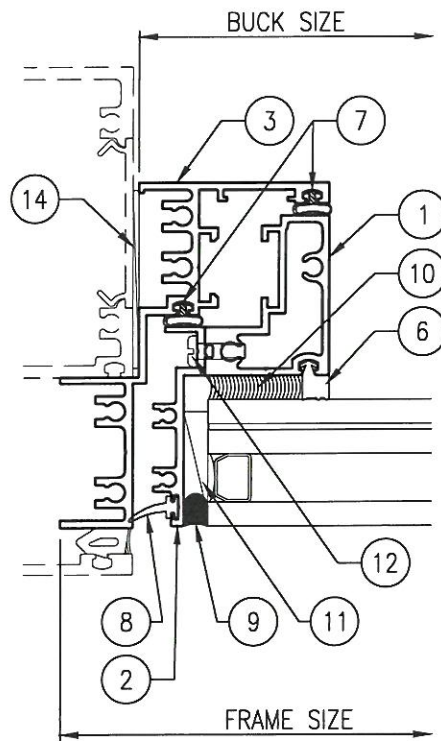


1A HEAD - FRAME ASSEMBLY
1-5/16" GLAZING Scale: 6" = 1'-0"

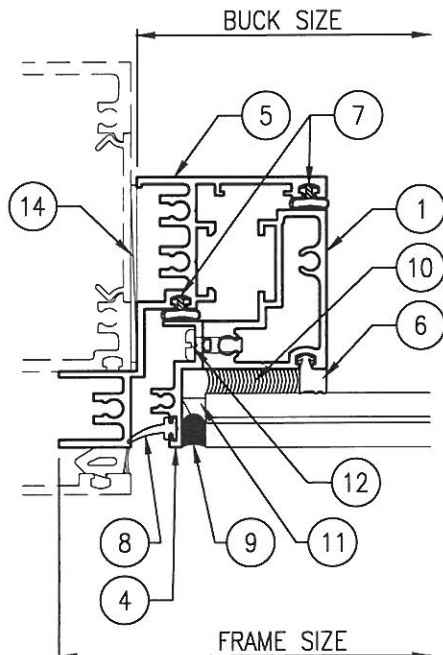


2A SILL - FRAME ASSEMBLY
1-5/16" GLAZING Scale: 6" = 1'-0"

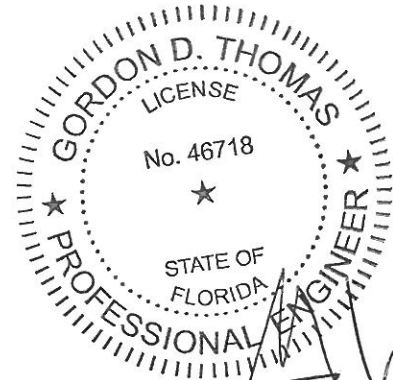
13 ALL FRAME ASSEMBLY SCREWS TO BE #10 X 1-1/2" PH S/S SMS



3A JAMB - FRAME ASSEMBLY
1-5/16" GLAZING Scale: 6" = 1'-0"



3 JAMB - FRAME ASSEMBLY
9/16" GLAZING Scale: 6" = 1'-0"



2/22/25
FL 46718

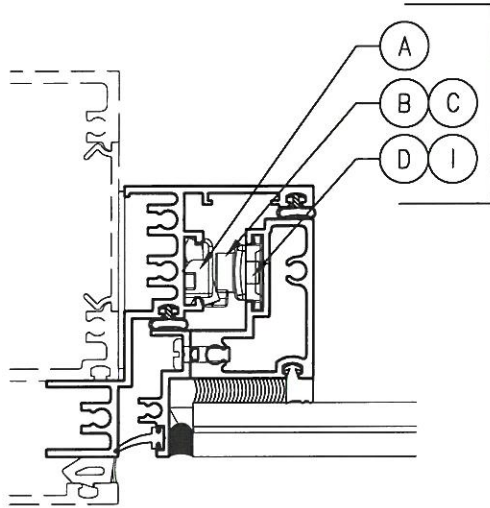
PRODUCT: SUNMETALS SERIES 1100Z LARGE MISSILE IMPACT				PART OR ASSEMBLY: FRAME ASSEMBLY DETAILS			
				ECV			
				FBC			
				FBC			
				JCB			
				BY			
				DESCRIPTION			
				REVISIONS			
				NO	DATE		
				2	7/14/25		
				1	9/21/20		
DATE: 11/29/17							
SCALE: HALF							
DWG. BY: CO							
CHK BY: ECV							
DRAWING NO.: FL24543.1							
SHEET: 2 OF 4							

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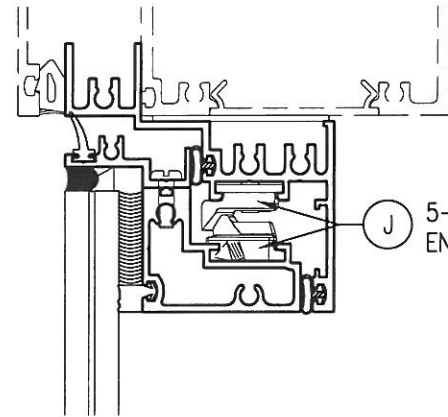


VENT HARDWARE

9/16" GLAZING CONDITION IS SHOWN IN DETAILS. VENT HARDWARE IS CONSISTENT FOR BOTH 9/16" AND 1-5/16" GLAZING CONDITIONS.



(2) locking points per stile
and (4) on bottom rail

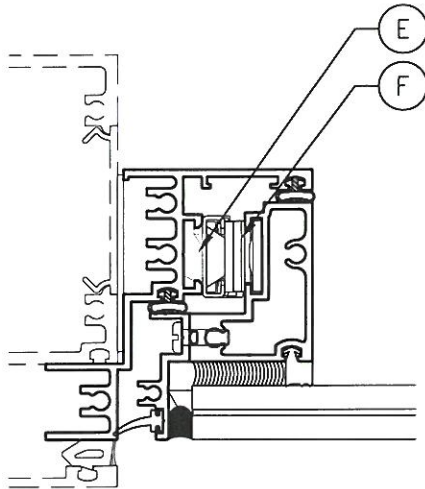


① 5-1/2" FROM EA.
END AND MID SPAN



MULTI-POINT LOCK - HARDWARE

JAMB/SILL Scale: 6" = 1'-0"



CONCEALED HINGE

JAMB Scale:

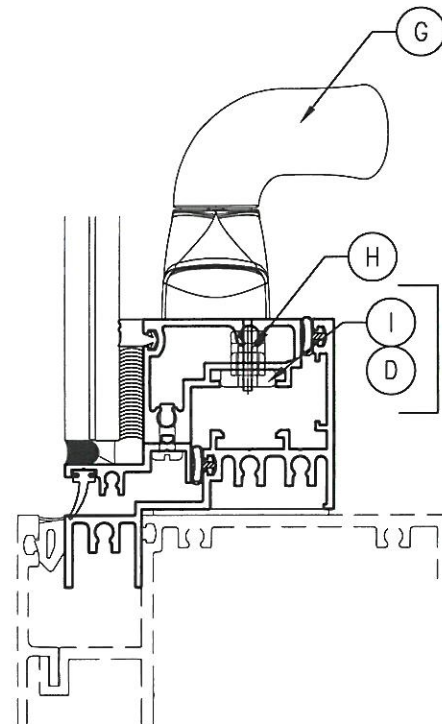
Scale: $6'' = 1'-0''$



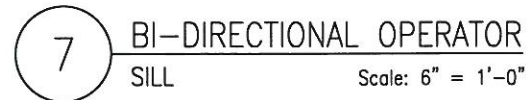
INTERLOCKING SNUBBER

HEAD

Scale: 6" = 1'-0"

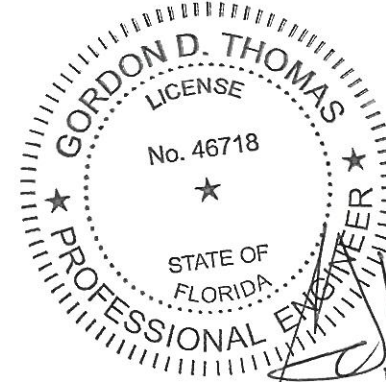


Stile connecting rods (4)
mated to corner drives (2)



BI-DIRECTIONAL OPERATOR

Scale: 6" = 1'-0"

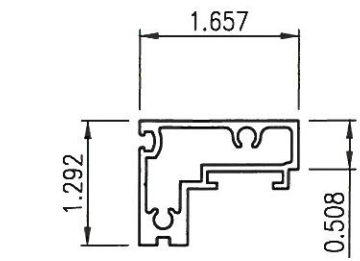


2/22/25
FL 46718

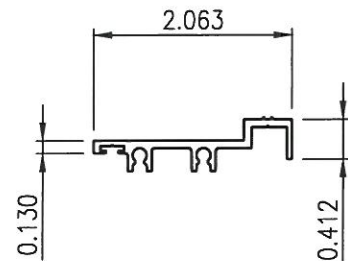
[illegible]

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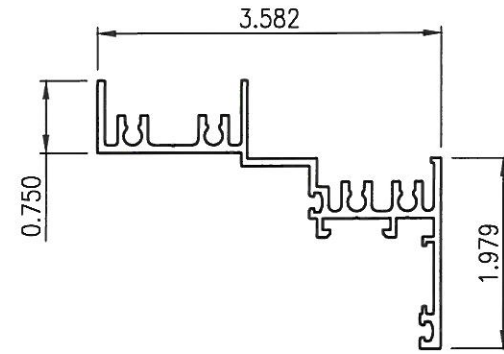




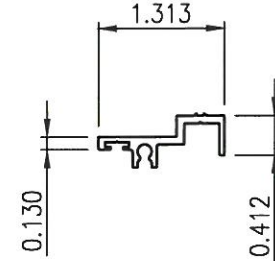
1 SUN-1120
SASH 6063-T6



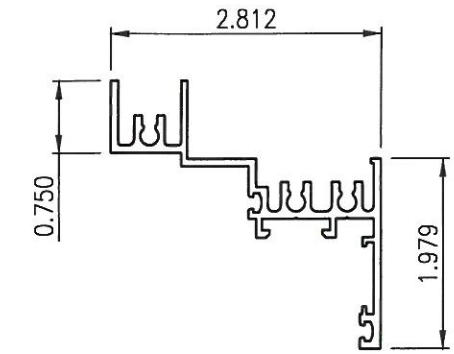
2 SUN-1123
GLAZING BEAD (1-5/16") 6063-T6



3 SUN-1124
FRAME (1-5/16") 6063-T6



4 SUN-1125
GLAZING BEAD (9/16") 6063-T6



5 SUN-1126
FRAME (9/16") 6063-T6

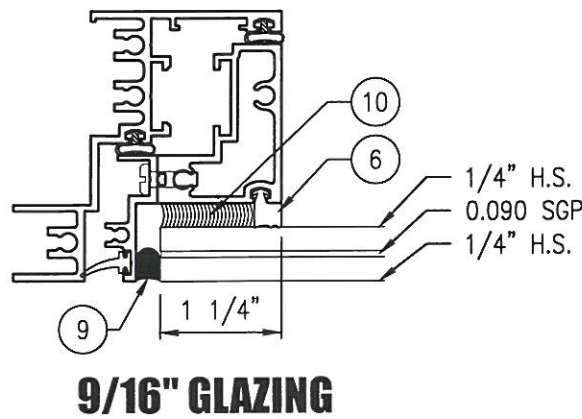
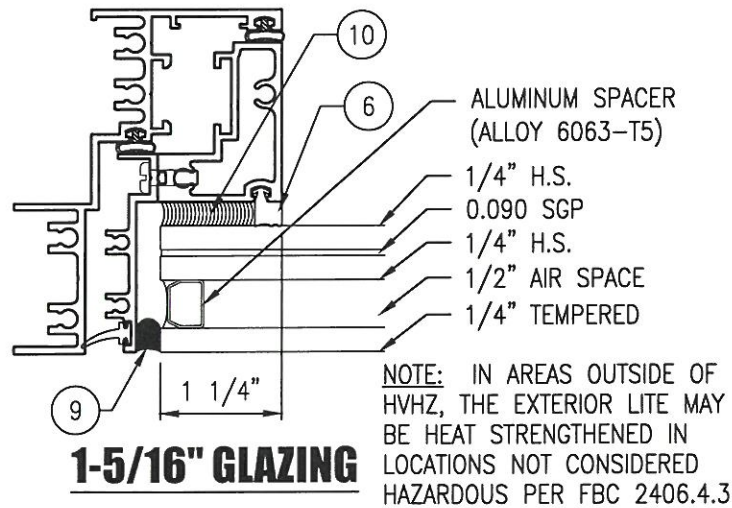
6 CAULK STOP
TR-10681E

7 BULB AT VENT
OSZL-003

8 WIPE AT VENT
OSZL-002



BILL OF MATERIALS					
ITEM #	PART #	DESCRIPTION	MATERIAL	MANUFACTURER	NOTES
1	SUN-1120	SASH	6063-T6	SUN METALS	
2	SUN-1123	GLAZING BEAD (1-5/16" GLAZING)	6063-T6	SUN METALS	
3	SUN-1124	FRAME (1-5/16" GLAZING)	6063-T6	SUN METALS	
4	SUN-1125	GLAZING BEAD (9/16" GLAZING)	6063-T6	SUN METALS	
5	SUN-1126	FRAME (9/16" GLAZING)	6063-T6	SUN METALS	
6	TR-10681E	CAULK STOP	EPDM	TREMCO	Durometer: 70+/-5
7	OSZL-003	BULB AT VENT	EPDM	GRP	Durometer: 60+/-5
8	OSZL-002	WIPE AT VENT	PEROXIDE EPDM	GRP	Durometer: 70+/-5
9		PERIMETER WEATHERSEAL	SILICONE	DOW CORNING	795 OR APPROVED EQ.
10		DOW 983 2 PART STRUCTURAL SEALANT	SILICONE	DOW CORNING	
11		1/4" SETTING BLOCK	SILICONE	VARIES	AT 1/4 POINTS
12		#8 x 1/2" S/S PH SMS	18-8	VARIES	
13		#10 X 1-1/2" S/S PH SMA	18-8	VARIES	
14		SHIM	POLYSTYRENE	VARIES	



BILL OF MATERIALS - VENT HARDWARE					
ITEM #	PART #	DESCRIPTION	MATERIAL	MANUFACTURER	NOTES
A	#01347	ADJUSTABLE HP KEEPER	ZAMAK	GIESSE	
B	#04047	LOCKING PAWL	ZAMAK	GIESSE	
C	#4031	SECURITY LOCKING PAWLS	ZAMAK	GIESSE	
D	#03524	CONNECTING ROD	ZAMAK	GIESSE	
E	#01971	SHIM	POLYAMIDE	GIESSE	
F	#08361	22" 4-BAR HINGES (PAIR)	STEEL	GIESSE	
G	#01171	HANDLE (CREMONE OPERATOR BI-DIRECTIONAL)	CAST ALUM.	GIESSE	
H	#02262	CONNECTING BLOCK	ZAMAK	GIESSE	
I	#4019	CORNER DRIVES	ZAMAK	GIESSE	
J	#01350	SNUBBERS	ZAMAK	GIESSE	

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SUN METALS

PRODUCT:		PART OR ASSEMBLY:	
SUNMETALS SERIES 1100Z LARGE MISSILE IMPACT		COMPONENTS & GLAZING	
		ECV	BY
		7/14/25	DATE
		9/21/20	DATE
		NO	DESCRIPTION
		1	REVISIONS
DATE: 11/29/17			
SCALE: HALF			
DWG. BY: CO			
CHK BY: ECV			
DRAWING NO.: FL24543.1			
SHEET: 4 OF 4			