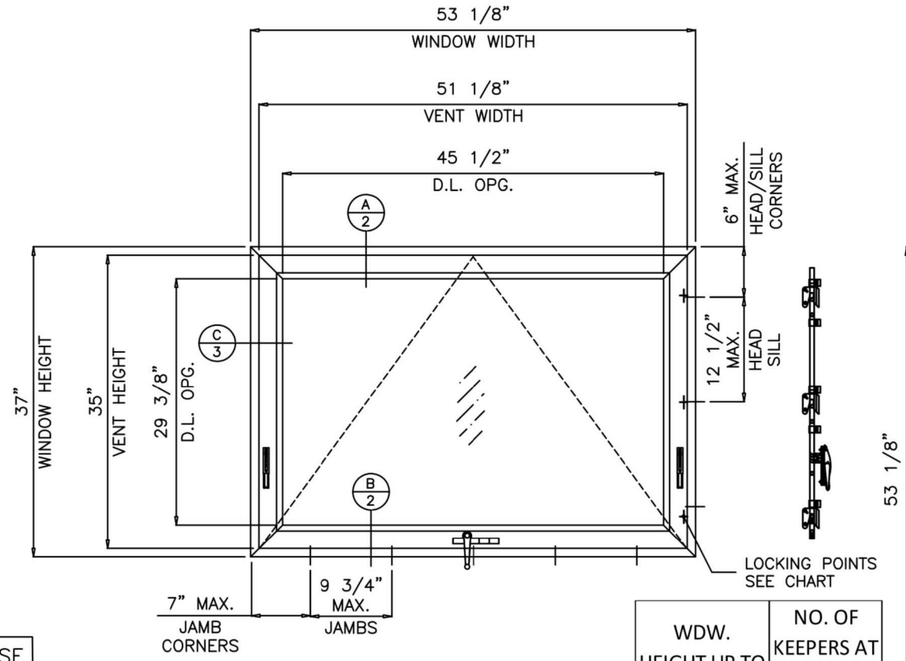
NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300–16 (3 SEC. GUSTS)

WDW. WIDTH	WDW. HEIGHT
19- 1/ 8"	53- 1/ 8"
26- 1/ 2"	53- 1/ 8"
32"	53- 1/ 8"
37"	53- 1/ 8"
42"	46- 3/ 4"
48"	40- 7/ 8"
53- 1/ 8"	37"

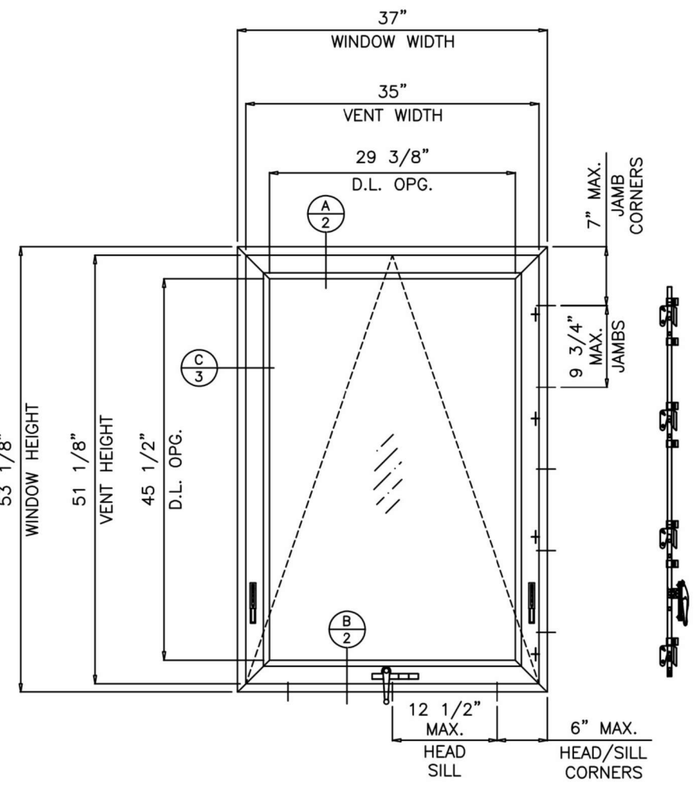
MAXIMUM DESIGN LOAD RATING = + 70.0 PSF
(FOR SIZES SHOWN OR SMALLER) – 70.0 PSF

THESE WINDOWS ARE RATED FOR LARGE & SMALL MISSILE IMPACT.
SHUTTERS ARE NOT REQUIRED.



TYPICAL ELEVATION

WDW. HEIGHT UP TO	NO. OF KEEPERS AT SASH
26"	2
38- 3/ 8"	3
50- 5/ 8"	4
53- 1/ 8"	4



TYPICAL ELEVATION

ECO–GUARD SERIES–560
ALUMINUM PROJECT–OUT WINDOW

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF PROJECTED/PROJECTED OR PROJECTED WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING FBC HVHZ APPROVED MULLIONS IN BETWEEN.
LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE.

ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

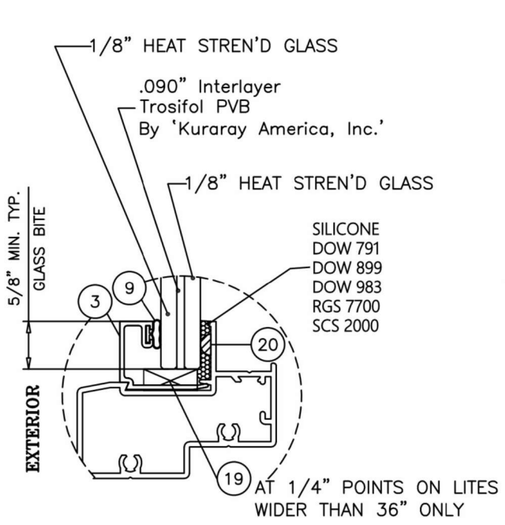
A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

ALL SHIMS TO BE HIGH IMPACT, NON–METALLIC AND NON–COMPRESSIBLE.

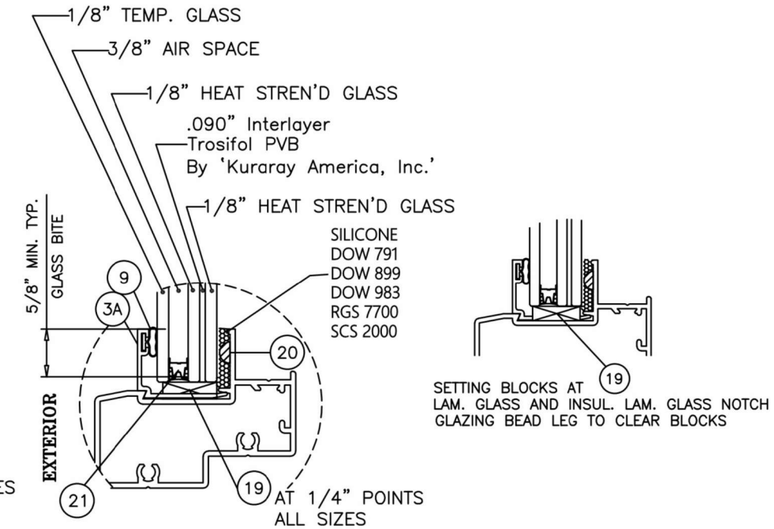
MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BLDG. CODE & ADOPTED STANDARDS.

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC.
CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

DESIGN LOAD SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.



GLASS TYPE 'A'



GLASS TYPE 'AA'

GLAZING OPTIONS

FL#41651.1

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drawing no.	JA-1844-24
date:	12/31/2024
drawn by:	MA
check by:	BS

REVISION

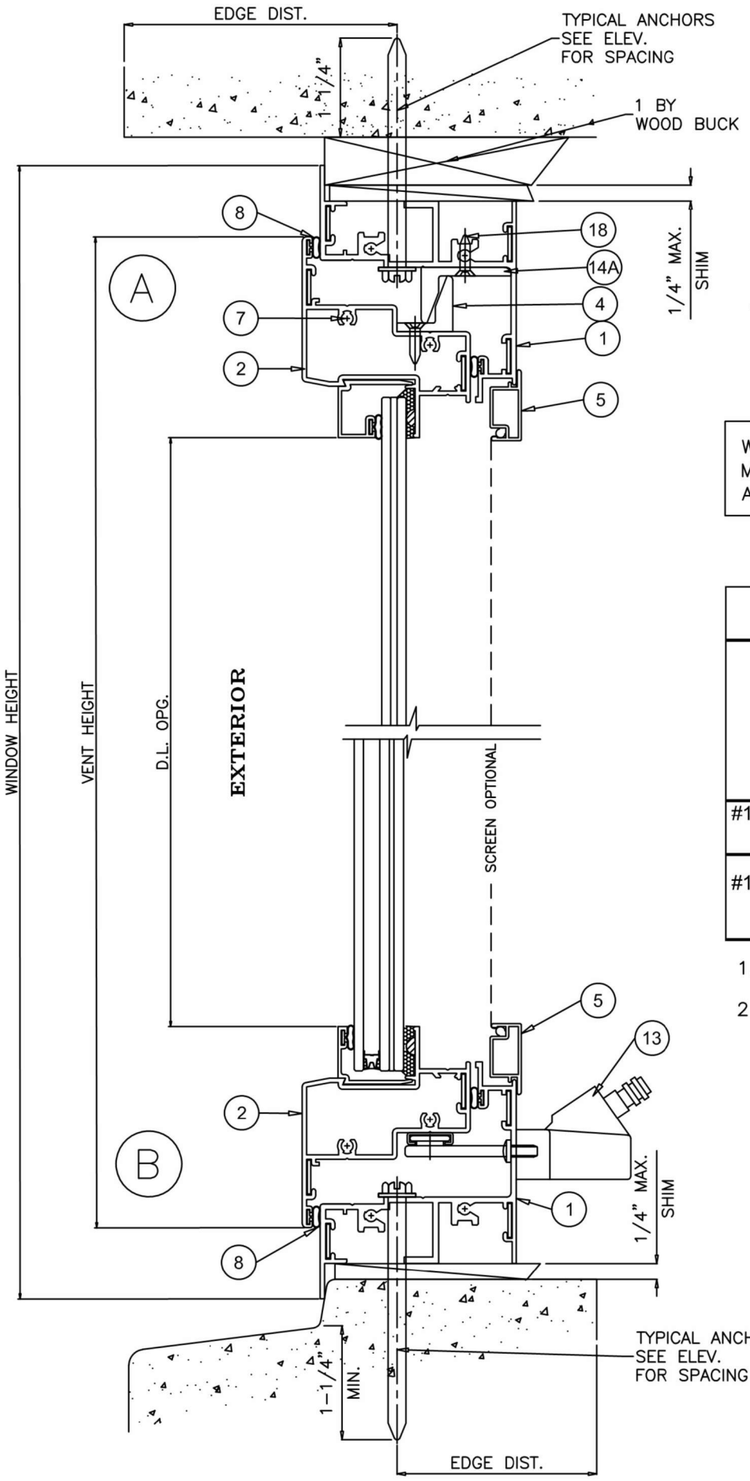
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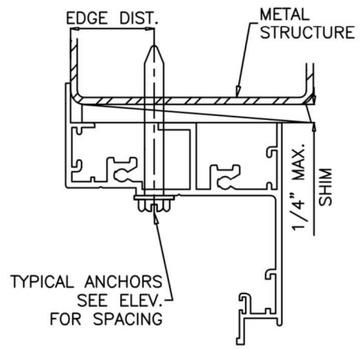
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LARGE MISSILE IMPACT RATED

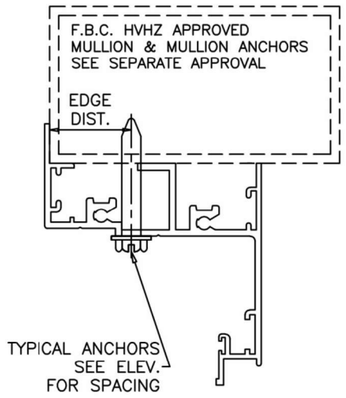
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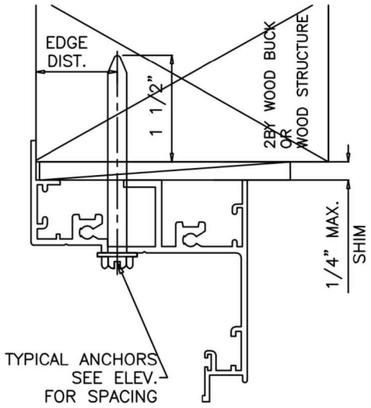
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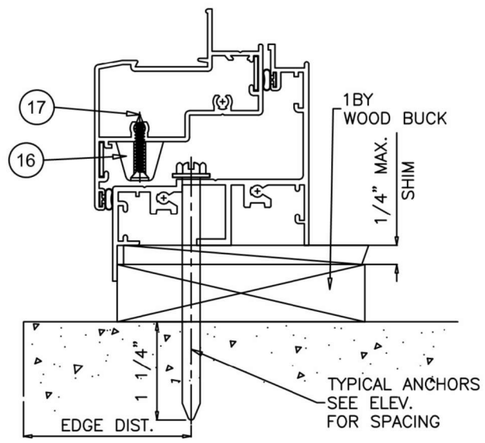


WOOD BUCKS AND METAL STRUCTURE NOT BY 'ECO WDW.' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

Anchor Type	Frame Member	Substrate	Min. Edge Distance	Min. Embedment or Metal Thickness
1/4" DeWalt UltraCon+	All	Southern Pine (SG = 0.55)	1"	1-1/2"
	All	Thru 1BY Buck into Concrete (min. 3 ksi)	2-1/2"	1-1/4"
	Jambs	Thru 1BY Buck into Hollow or Filled Block (ASTM C90, min. 2 ksi)	2-1/2"	1-1/4"
	All	Concrete (min. 3 ksi)	2-1/2"	1-1/4"
	Jambs	Hollow or Filled Block (ASTM C90, min. 2 ksi)	2-1/2"	1-1/4"
#14 SMS or Self Drilling Screws (Gr. 2)	All	Aluminum 1/8" Thk. Min. (6063-T5)	3/4"	(3) Threads min. beyond metal thickness
	All	Steel 1/8" Thk. Min. (min. 36 ksi)	3/4"	(3) Threads min. beyond metal thickness
#12 SMS or Self Drilling Screws (Gr. 2)	All	FBC Approved Mullions	3/4"	(3) Threads min. beyond metal thickness
	All	Aluminum 1/8" Thk. Min. (6063-T5) (No Shim Space)	3/4"	(3) Threads min. beyond metal thickness
	All	Steel 1/8" Thk. Min. (min. 36 ksi) (No Shim Space)	3/4"	(3) Threads min. beyond metal thickness

1. STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED
2. ALL ANCHOR HEAD TYPES ARE ACCEPTABLE



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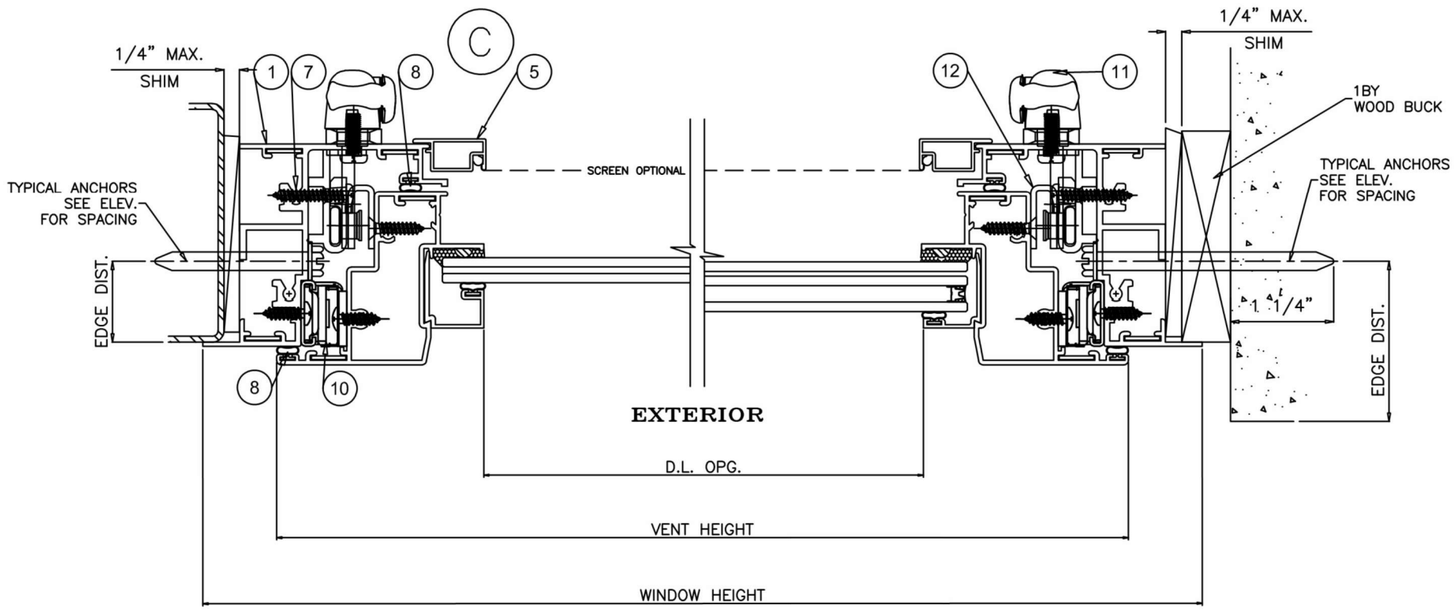
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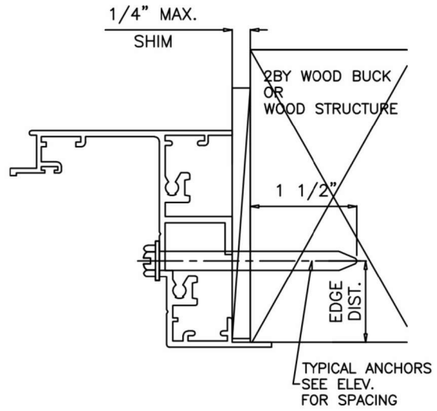
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LARGE MISSILE IMPACT RATED

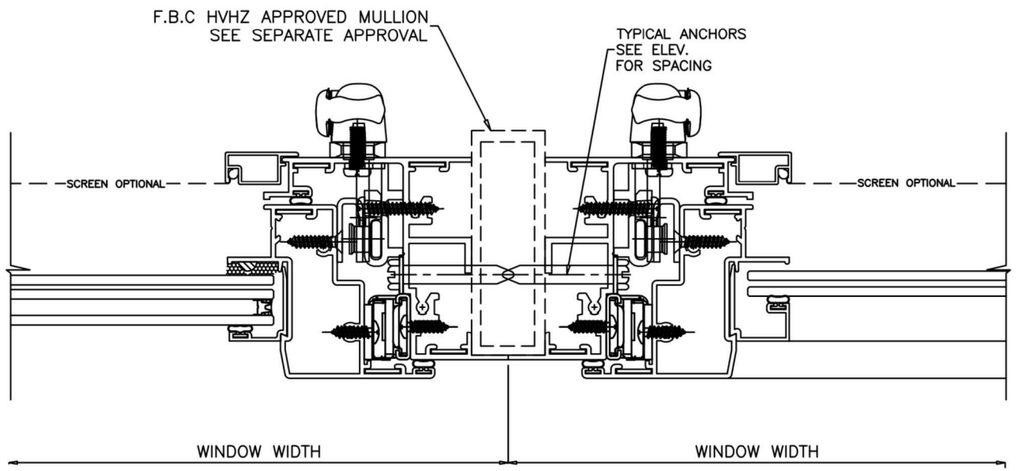
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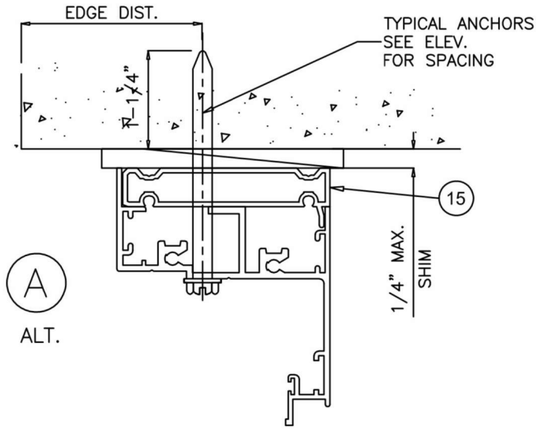
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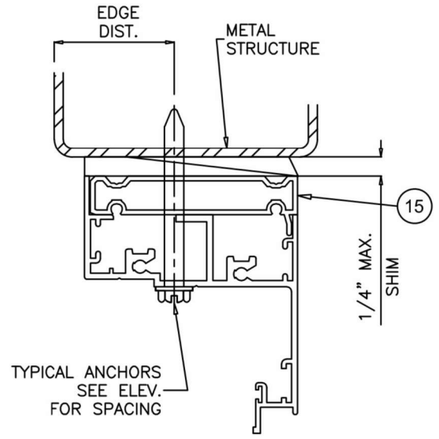
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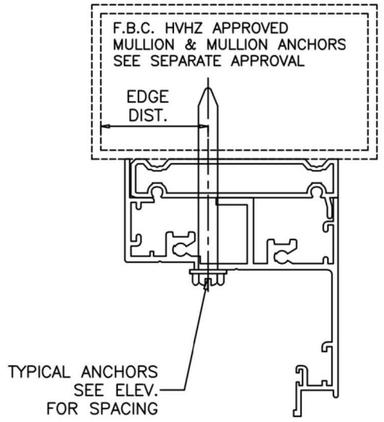
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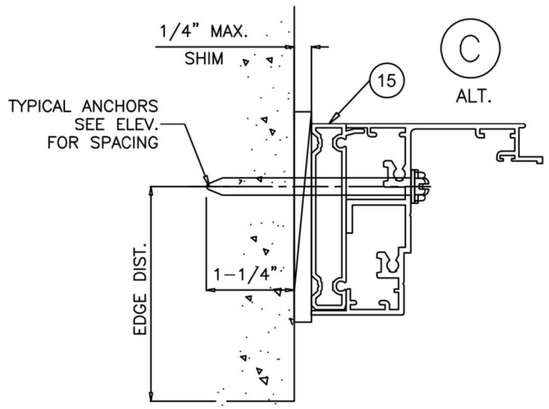
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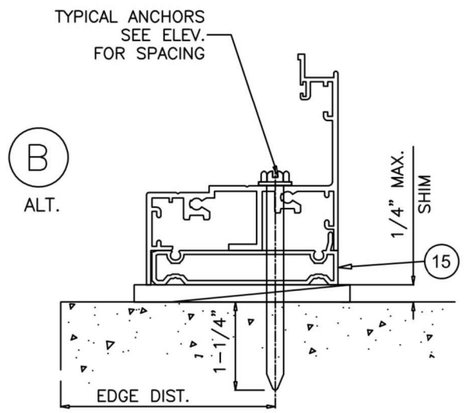
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INSTALLATION DETAILS WITH FLUSH FRAME ADAPTER

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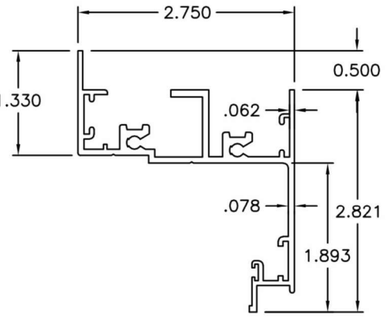
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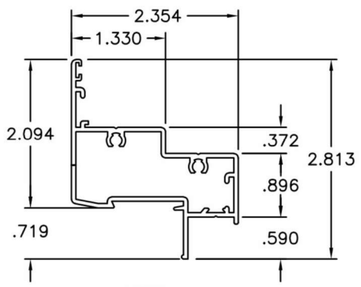
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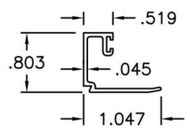
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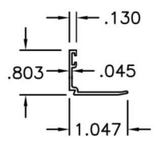
① FRAME HEAD/SILL/JAMB



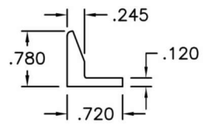
② VENT



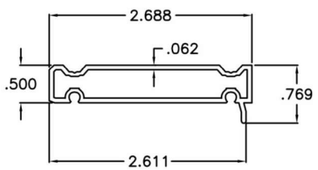
③ GLAZING BEAD (5/16" LAM. GLASS)



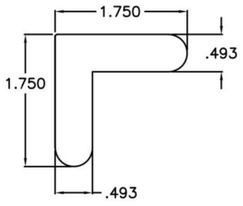
③A GLAZING BEAD (INSUL. LAM. GLASS)



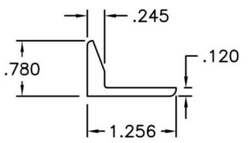
④ SNUBBER – VENT



⑮ FLUSH FRAME ADAPTER



⑭ CORNER KEY



④A SNUBBER – FRAME

ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	E501	4	FRAME HEAD/SILL/JAMB	6063 – T6	–
2	E502	4	VENT	6063 – T6	–
3	FY108	AS REQD.	GLAZING BEAD (LAM. GLASS)	6063 – T6	–
3A	E505	AS REQD.	GLAZING BEAD (INSUL. LAM. GLASS)	6063 – T6	–
4	E508	AS REQD.	SNUBBER – VENT, FULL LENGTH	6063 – T6	–
4A	E509	AS REQD.	SNUBBER – FRAME, FULL LENGTH	6063 – T6	–
5	E506	OPTIONAL	SCREEN FRAME	6063 – T6	–
7	#10 X 1-1/4"	AS REQD.	FRAME AND VENT ASSEMBLY SCREWS	–	H WS SMS
8	E203	AS REQD.	BULB WEATHERSTRIPPING, DUROMETER 65	SANTOPRENE	ULTRAFAB
9	E203	AS REQD.	GLAZING BEAD BULB, DUROMETER 65	SANTOPRENE	ULTRAFAB
10	35.12.00.400	2/ VENT	4 BAR HINGES	ST. STEEL	TRUTH, INSTALLED WITH (2) #10 X 5/8" SDS
11	13096.92	1	MULTI POINT LOCK SYSTEM	–	TRUTH
12	31964.92	AS REQD.	KEEPER	STEEL	TRUTH
13	52.13.012	1/ VENT	ROTO OPERATOR	ZAMAK/STL.	TRUTH, AT 12" FROM ENDS
14	PSJ40-SS	2/ CORNER	FRAME/VENT CORNER KEY	ST. STEEL	–
15	FY120	AS REQD.	FLUSH FRAME ADAPTER	6063-T6	OPTIONAL
16	–	2	ANTI SAG SKATE, AT 4-1/2" FROM EACH END	NYLON	M&M PLASTICS
17	#10 X 1-1/4"	2/ SKATE	FH SDS SKATE SCREWS	–	–
18	#8 X 3/4"	AS REQD.	FH SMS SNUBBER SCREWS	–	IN PARIS 2" APART, PAIRS SPACED AT 7-3/4" O.C.
19	–	AS REQD.	SETTING BLCOK, 3/16" X 3/4" X 4" LONG	EPDM	DUROMETER 80±5 SHORE A
20	FLB-50	–	GLASS SPACER – 1/8" HIGH	SILICONE	FRANK LOWE
21	–	–	INSUL. GLASS SPACER	VARIOUS	VARIOUS

SEALANT:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH
SCHNEE-MOREHEAD SM5504 SEAM SEALER.
PERIMETER CAULKING SICAFLEX 15LM ON EXTERIOR ONLY.

LOCKS:

MULTIPOINT LOCK SYSTEMS # 13096.92 BY 'TRUTH'
AT FRAME JAMB.
LOCK OPERATOR #24.33.XX.004 AT 8-1/2" FROM SILL
FASTENED TO JAMBS WITH (2) #10 X 5/8" PH SMS.
LOCK BAR SECURED TO JAMB WITH LOCK GUIDES
#33489.00.0001 SPACED AT 12-3/4" O.C. MAX.
EACH GUIDE FASTENED WITH (2) #10 X 1" PH SMS.

STAINLESS STEEL KEEPERS #31964.92 AT VENT
EACH FASTENED WITH (2) #10 X 5/8" P FH SMS
SEE CHART ON SHEET 1 FOR QUANTITIES.

HINGES:

4 BAR ST/ST HIMGES #35.12.00.400 BY 'TRUTH'
LOCATED AT TOP AND BOTTOM CORNERS
FASTENED WITH (2) #10 X 5/8" PH SELF DRILLING SCREWS EACH

OPERATOR:

SINGLE ARM ROTO OPERATOR #52.13.012 BY 'TRUTH'
LOCATED AT MIDSPAN OF FRAME SILL
FASTENED WITH (6) # 10 X 1" PH SMS.
OPERATOR TRACK #30175 AT BOTTOM RAIL
FASTENED WITH (2) #10 X 1" PH SMS.

ANTI-SAG SKATES:

VINYL ANTI-SAG SKATES BY 'M&M PLASTICS'
(2) AT BOTTOM RAIL AT 4-1/2" FROM ENDS
EACH FASTENED WITH (2) #10 X 1-1/4" FH SDS.

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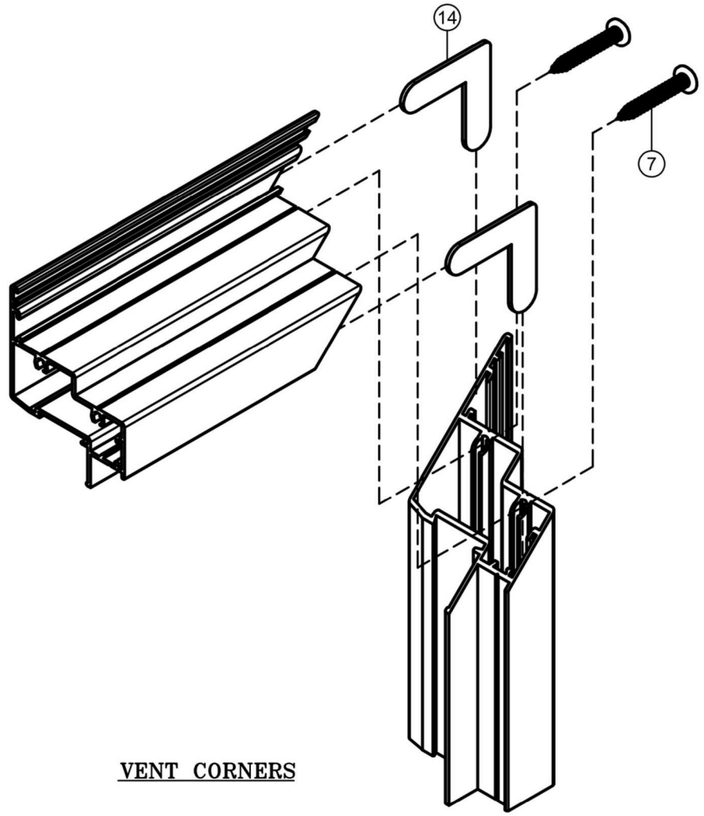
REVISION

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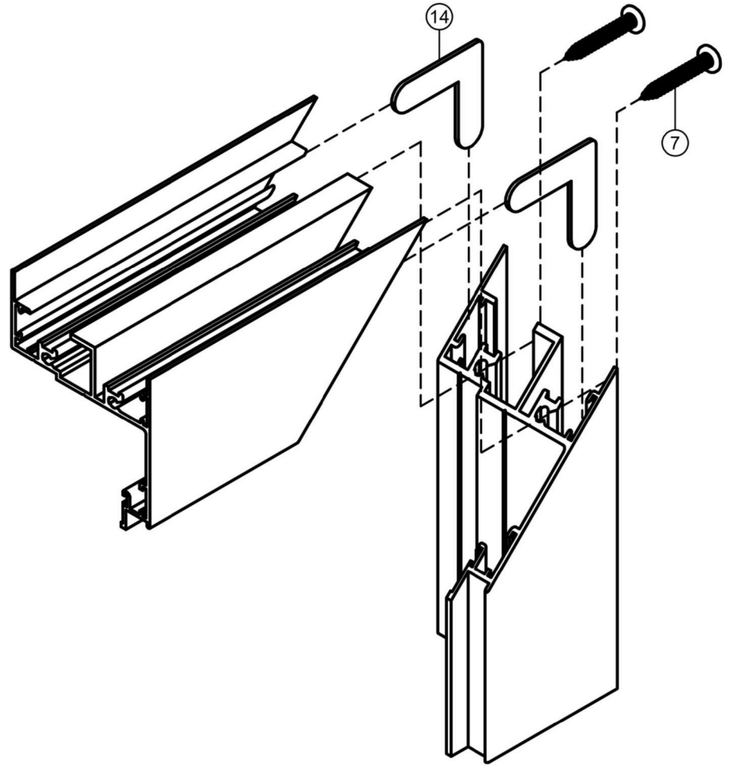
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VENT CORNERS



FRAME CORNERS

FL#41651.1

JA PE

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