

LOEWEN 36 SERIES PICTURE/DIRECT SET
STORMFORCE WINDOW
(HVHZ)(IMPACT)

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.11.29 19:59:05 -05'00'



Loewen Inc
77 Highway 52 West
Steinbach, MB Canada
R5G 1B2
PH (204) 346-6808

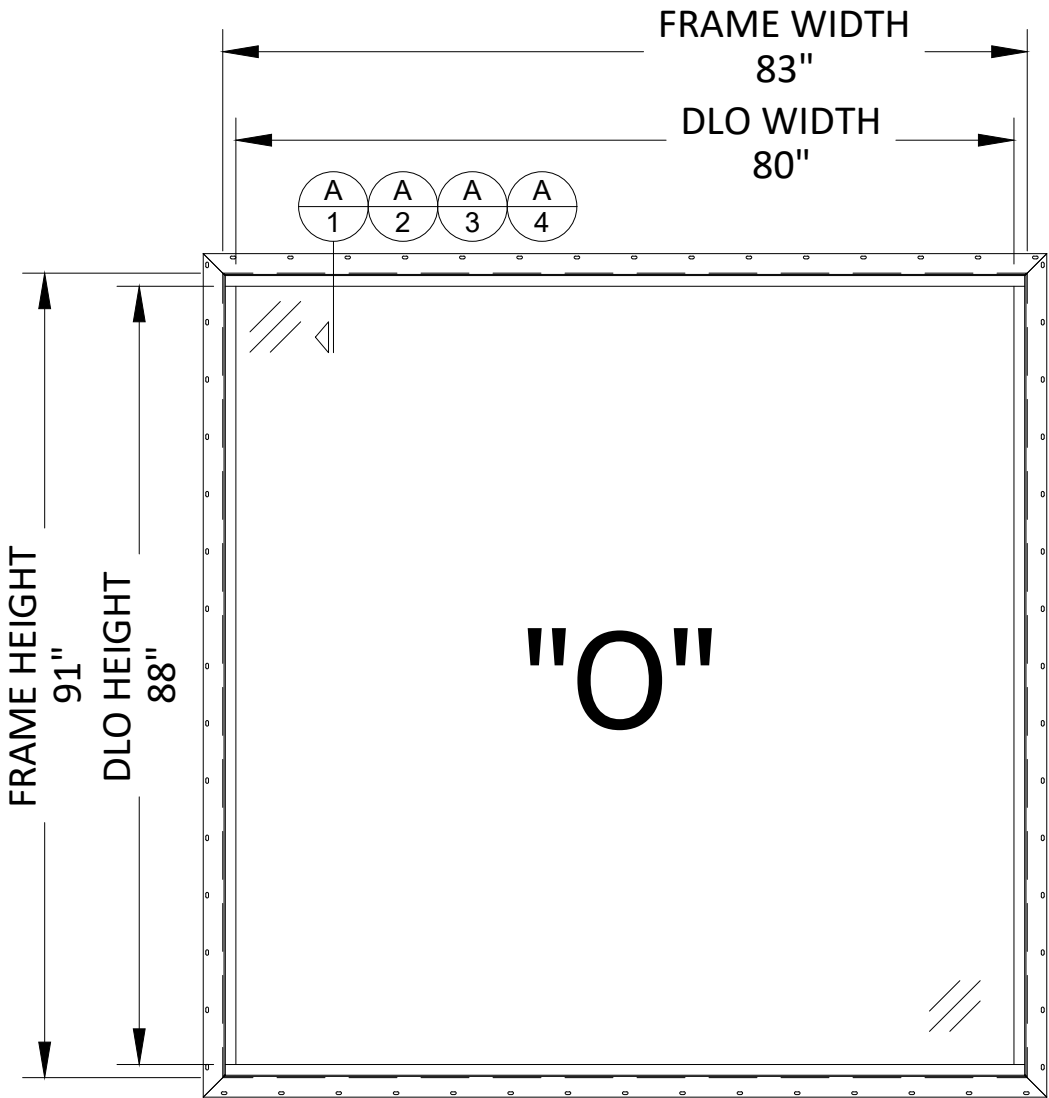


GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), **INCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
- 1.1. TAS 201-94

1.2. TAS 202-94

1.3. TAS 203-94
2. ADEQUACY OF EXISTING STRUCTURAL CONCRETE/MASONRY AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
3. 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT IN NON-HVHZ AREAS. IN HVHZ AREAS, ONE TIME PRODUCT APPROVAL TO BE OBTAINED FROM MIAMI-DADE RER.
5. WINDOW FRAME MATERIAL: DOUGLAS FIR AND 6061 OR 6063 T5 ALUMINUM
6. GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 3 FOR GLAZING DETAIL
7. IN ACCORDANCE WITH THE CURRENT CHAPTER 20 OF THE FBC, DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME IN CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED AS DEFINED IN CHAPTER 20 OF THE FBC.
8. HEIGHT AND WIDTH ARE INTERCHANGEABLE



EXTERIOR ELEVATION

DESIGN PRESSURE TABLE (PSF)													
FRAME WIDTH (INCHES)													
FRAME HEIGHT (INCHES)		54	60	66	72	78	84	90	96	102	108	114	120
	54	65	65	65	65	65	65	65	65	65	65	65	65
	60	65	65	65	65	65	65	65	65	64	63	61	-
	66	65	65	65	65	65	65	65	63	61	-	-	-
	72	65	65	65	65	65	65	63	60	-	-	-	-
	78	65	65	65	65	65	65	61	-	-	-	-	-
	84	65	65	65	65	65	65	-	-	-	-	-	-
	90	65	65	65	63	61	-	-	-	-	-	-	-
	96	65	65	63	60	-	-	-	-	-	-	-	-
	102	65	64	61	-	-	-	-	-	-	-	-	-
	108	65	63	-	-	-	-	-	-	-	-	-	-
	114	65	61	-	-	-	-	-	-	-	-	-	-
	120	65	-	-	-	-	-	-	-	-	-	-	-

REVISIONS

Rev	Description	By	Date		
A	2020 FBC UPDATE	NUS	08/03/20		
B	2023 FBC UPDATE	FB	10/23/23		

TITLE:
METAL CLAD 36PS
IMPACT INSTALLATION
ELEVATION & NOTES

PREPARED BY:

DATE:
09/27/19

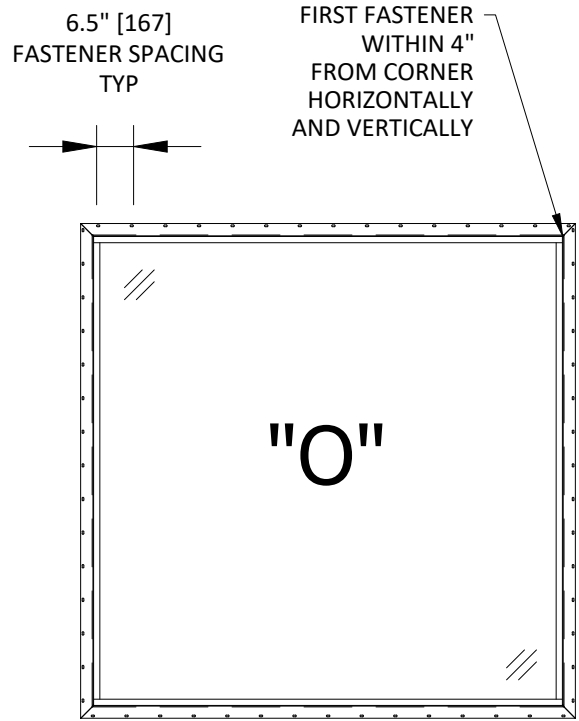
DRAWN BY:
JC

SCALE:
NTS

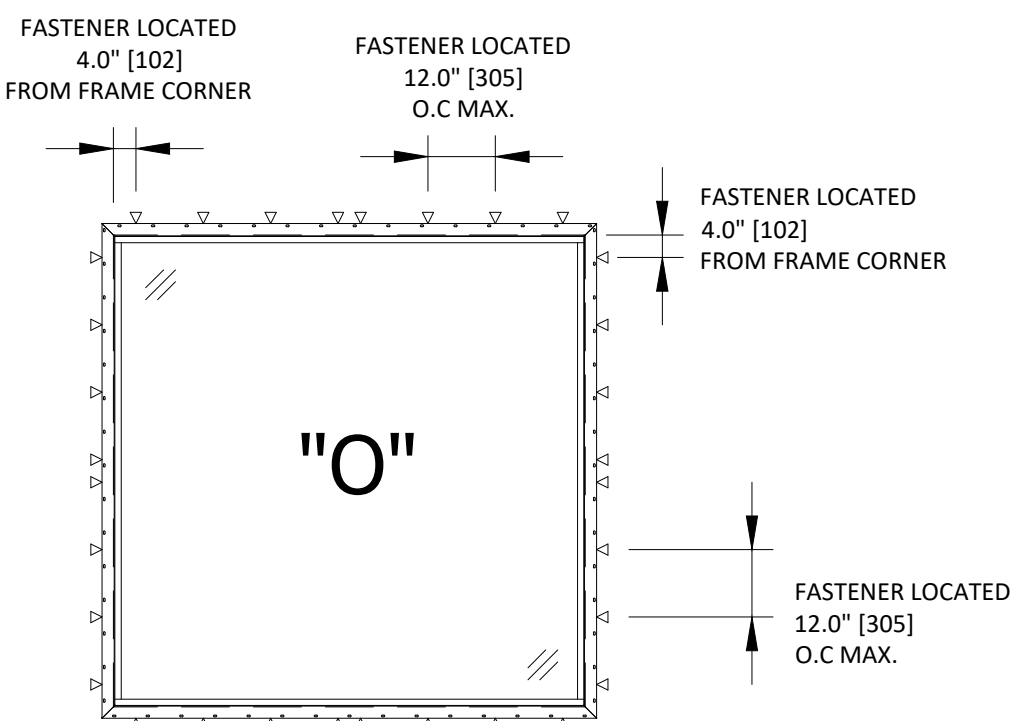
CHECKED BY:

DWG #
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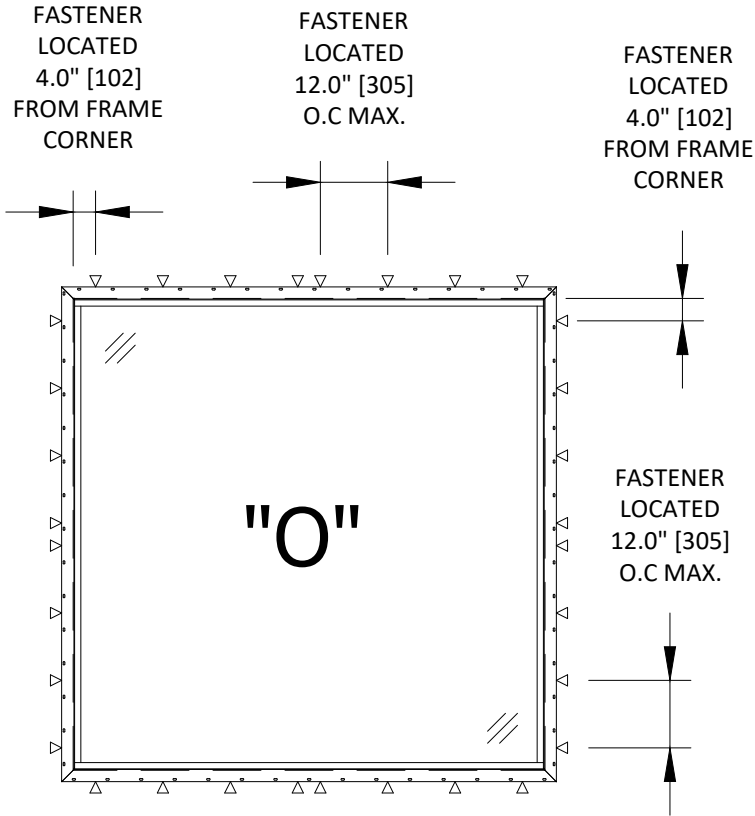
SHEET:
1 OF 3



NAILING FLANGE & BRICKMOULD INSTALLATION



FRAME SCREW INSTALLATION



MASONRY ANCHOR INSTALLATION

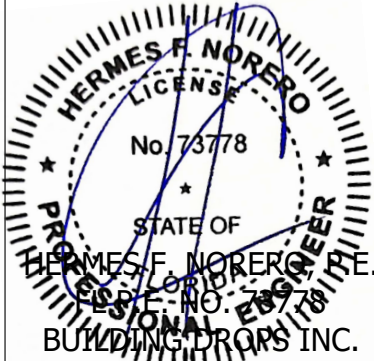
ANCHOR SCHEDULE					
INSTALLATION METHOD	SUBSTRATE	ANCHOR DESCRIPTION	MIN. EMBEDMENT	MIN. EDGE DISTANCE	SPACING
MASONRY STRAP	WOOD: MIN S.G. = 0.42	#8 WOOD SCREW PAN HEAD	1.50"	0.75"	MAX. 4" FROM CORNERS MAX. 12" O.C.
	18 GAUGE STEEL MIN. Fy=33KSI	#8 TEK SCREW PAN HEAD OR HWH	3 THREADS PENETRATION BEYOND STEEL	0.50"	MAX. 4" FROM CORNERS MAX. 12" O.C.
NAIL FIN	WOOD: MIN S.G. = 0.42	#8 WOOD SCREW PAN HEAD	1.50"	0.75"	MAX. 4" FROM CORNERS MAX. 6.5" O.C.
	18 GAUGE STEEL MIN. Fy=33KSI	#8 TEK SCREW PAN HEAD OR HWH	3 THREADS PENETRATION BEYOND STEEL	0.50"	MAX. 4" FROM CORNERS MAX. 6.5" O.C.
THROUGH FRAME	WOOD: MIN S.G. = 0.42	#10 WOOD SCREW FLAT HEAD	1.50"	0.75"	MAX. 4" FROM CORNERS MAX. 12" O.C.
	18 GAUGE STEEL MIN. Fy=33KSI	#10 TEK SCREW	3 THREADS PENETRATION BEYOND STEEL	0.50"	MAX. 4" FROM CORNERS MAX. 12" O.C.
	CONCRETE: MIN. F'c= 3000 PSI	3/16" ITW TAPCON FLAT HEAD	1.25"	2.25"	MAX. 4" FROM CORNERS MAX. 12" O.C.
	MASONRY: CMU PER ASTM C90 Min. 2000 PSI	3/16" ITW TAPCON FLAT HEAD	1.25"	2.25"	MAX. 4" FROM CORNERS MAX. 12" O.C.

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USE FOR PRODUCT INSTALLATION
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm \frac{1}{2}$ " OF THE DEPICTED LOCATION DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCE). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT
- SHIMS ARE REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIMS. MAXIMUM ALLOWABLE SHIM STACK TO BE $\frac{3}{8}$ ". SHIM WHERE SPACE OF $\frac{1}{16}$ " OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.



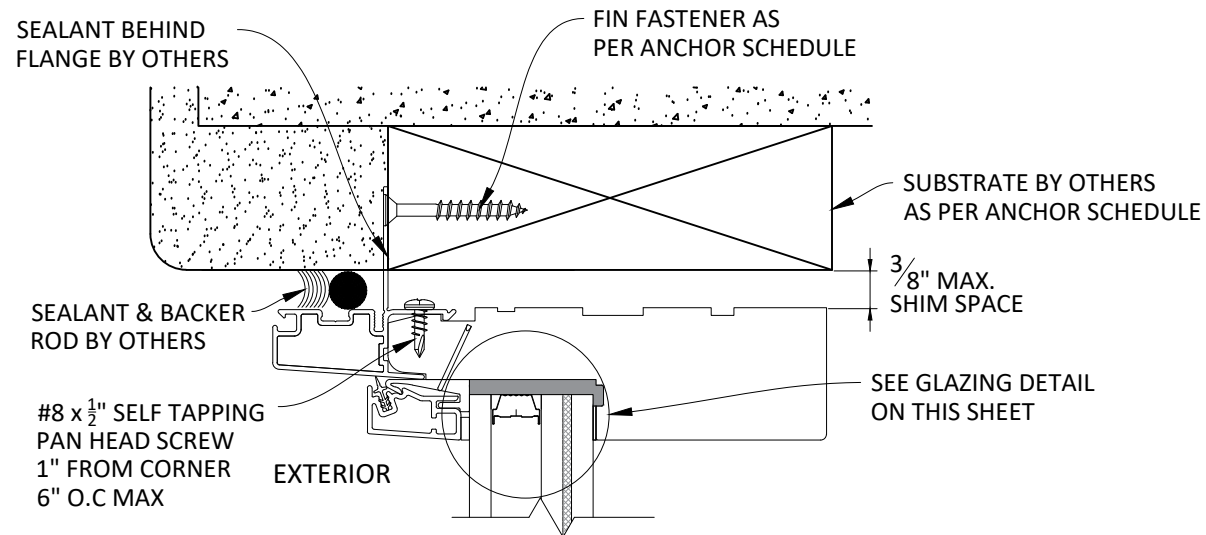
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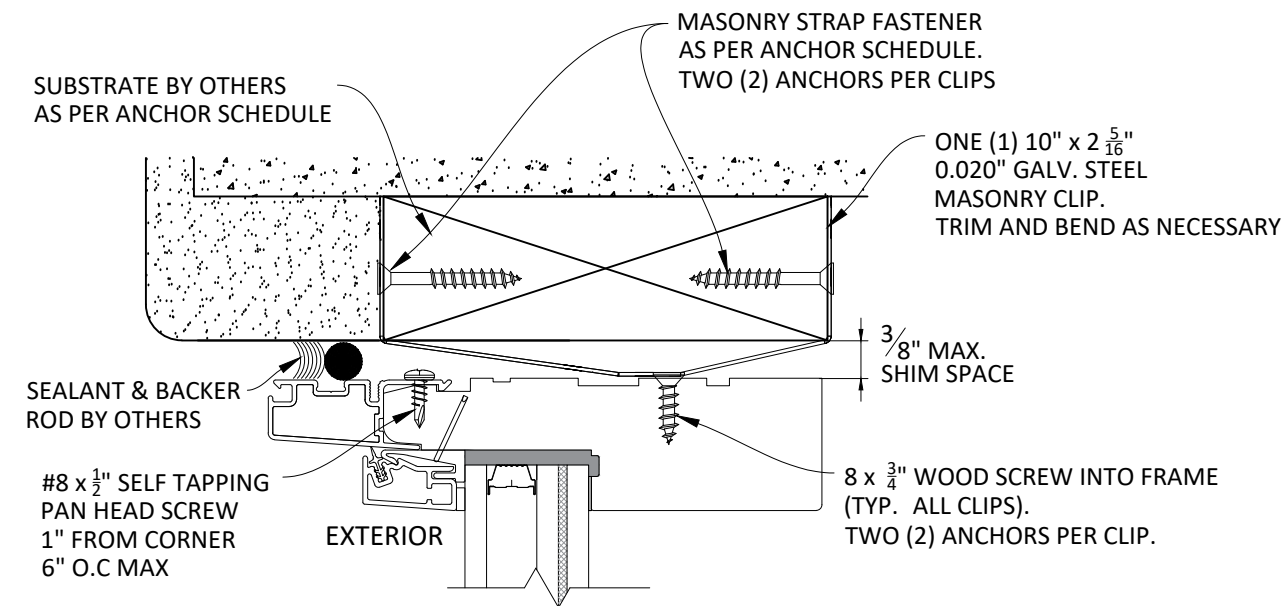
REVISIONS

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NUS	08/03/20	2020 FBC UPDATE	A				
FB	10/23/23	2023 FBC UPDATE	B				

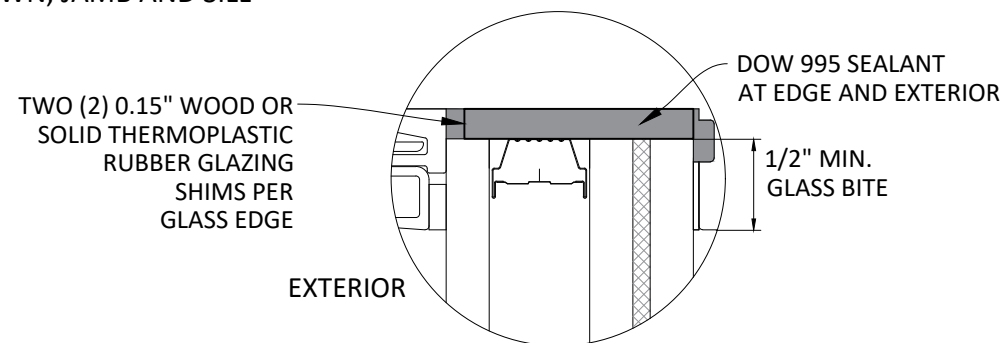
TITLE: METAL CLAD 36PS IMPACT INSTALLATION ELEVATION & NOTES		PREPARED BY:	
DATE: 09/27/19		DRAWN BY: JC	
SCALE: NTS		CHECKED BY:	
DWG # 36-IMP-1909-1			
SHEET: 2 OF 3			



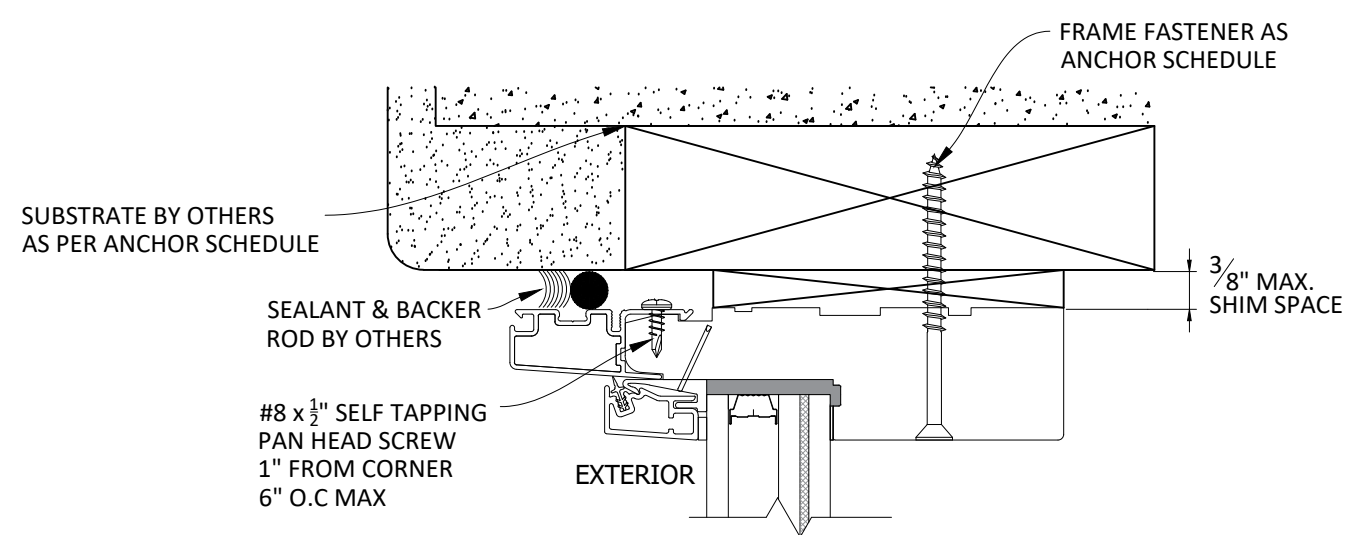
A
1 **NAILING FIN INSTALLATION**
HEAD SECTIONS SHOWN, JAMB AND SILL
SECTION IDENTICAL



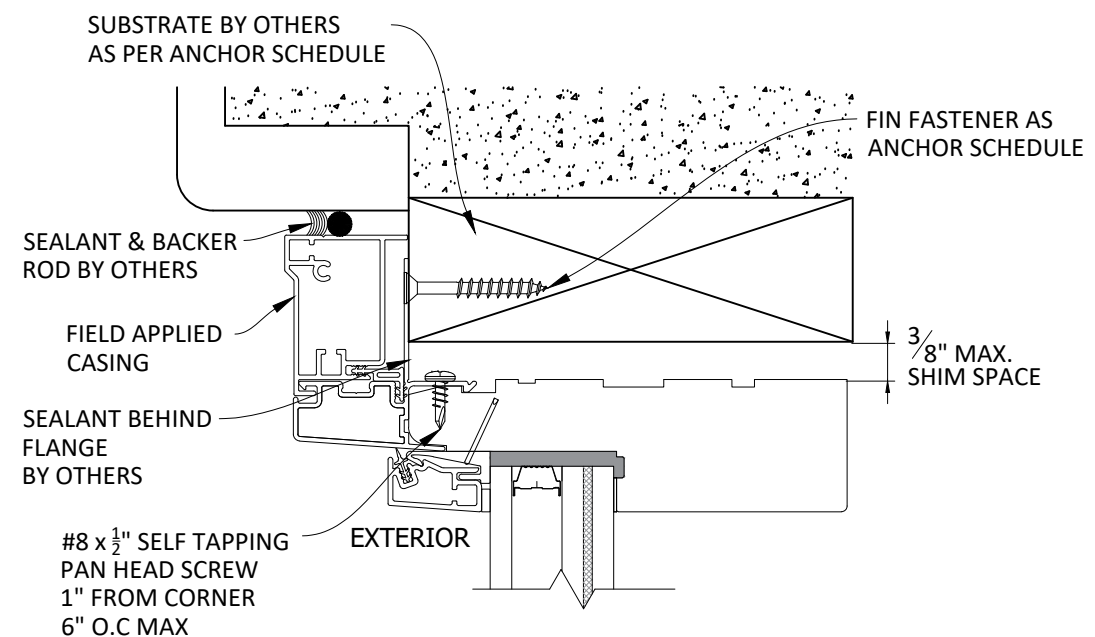
A
3 **MASONRY STRAP INSTALLATION**
HEAD SECTIONS SHOWN, JAMB AND SILL
SECTION IDENTICAL



GLAZING DETAIL



A
2 **FRAME SCREW INSTALLATION**
HEAD SECTIONS SHOWN, JAMB AND SILL
SECTION IDENTICAL



A
4 **NAILING FIN INSTALLATION
WITH SITE APPLIED BRICKMOULD**
HEAD SECTIONS SHOWN, JAMB AND SILL
SECTION IDENTICAL

SEALED UNIT

- 1 1/4" THICK LAMINATED IG - LMI ONLY
(1/4" AN. EXTERIOR; 1/2" STAINLESS STEEL SPACER; 1/4" AN / 0.090 KURARAY SG / 1/4" AN. INTERIOR)
- 1 1/4" THICK LAMINATED IG - LMI OR SMI
(1/4" TEMP. EXTERIOR; 1/2" STAINLESS STEEL SPACER; 1/4" AN / 0.090 KURARAY SG / 1/4" AN. INTERIOR)

IG UNIT MUST CONFORM WITH ASTM E1300



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3 OF 3

PREPARED BY:
JC

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