

PLY GEM WINDOWS

BUILDER SERIES 4780 ALUMINUM SLIDING GLASS DOOR (2-PANEL)

INSTALLATION NOTES:

1.

TWO (2) INSTALLATION ANCHORS ARE REQUIRED AT EACH ANCHOR LOCATION SHOWN.
2.

THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
3.

INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
4.

SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
5.

FOR INSTALLATION INTO WOOD FRAMING, USE #10 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1-1/2 INCH MINIMUM EMBEDMENT.
6.

FOR INSTALLATION THROUGH IX BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE 3/16" ELCO ULTRACONS OR 3/16" ITW TAPCONS OF SUFFICIENT LENGTH TO ACHIEVE 1-3/4 INCH MINIMUM EMBEDMENT.
7.

FOR INSTALLATION INTO METAL STUD, USE #10 GR.5 SELF TAPPING SCREW OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL FRAME SUBSTRATE.
8.

MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
9.

INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
10.

FOR 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.
11.

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.
12.

INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

A.

WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.

B.

CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.

C.

MASONRY - STRENGTH CONFORMANCE TO ASTM C-90. MINIMUM COMPRESSIVE STRENGTH OF 1500 PSI.

D.

STEEL- MINIMUM WALL THICKNESS OF 54 MILS(1/8" MIN Fy=36 KSI) WHEN THROUGH GUSSET INSTALLATION.

E.

ALUMINUM - 1/4" MINIMUM THICKNESS (6063-T5).

GENERAL NOTES:

1.

THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), EXCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:

- AAMA/WDMA/CSA 101/I.S.2/A440-17
2.

ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X AND STEEL STUD 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.
5.

APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6.

DOOR FRAME MATERIAL: ALUMINUM 6063-T6
7.

GLASS SHALL MEET THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 4 FOR GLAZING DETAILS.
8.

DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:

X: OPERABLE PANEL

O: FIXED PANEL

DESIGN PRESSURE RATING				
SIZE	SILL OPTION	OVERALL PERFORMANCE	DESIGN PRESSURE	MISSILE IMPACT RATING
96" X 96"	W/O SILL RISER	R-PG25	+25/-50 PSF	NOT RATED
96" X 96"	W/ SILL RISER	R-PG50	+50/-50 PSF	NOT RATED

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2026.02.12 12:03:05 -06'00'

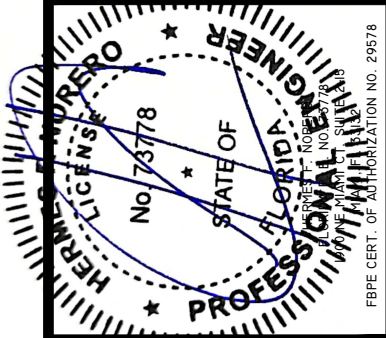
ANCHOR SCHEDULE									
INSTALLATION METHOD	ANCHOR TYPE	QTY PER LOCATION	SUBSTRATE	EMBEDMENT	MIN O.C. SPACING	MIN EDGE DISTANCE	MAX HEAD/ SILL O.C. SPACING	MAX JAMB O.C. SPACING	CORNER DISTANCE
THROUGH FRAME (FOR SILL RISER OR NO SILL RISER)	3/16" ITW TAPCONS	2	CONCRETE/ MASONRY	1-3/4"	1-1/2"	1"	15"	16"	6"
	3/16" ELCO ULTRACONS	2	CONCRETE/ MASONRY	1-3/4"	1-1/8"	1"	15"	16"	6"
	#10 WOOD SCREWS	2	WOOD FRAME	1-1/2"	3/4"	3/4"	15"	16"	6"
	#10 TEK SCREW	2	STEEL/ALUMINUM STUD	3 THREADS OF PENETRATION	3/4"	3/4"	15"	16"	6"



433 N. MAIN ST.,
PO BOX 559,
ROCKY MOUNT, VA 24151

PH: 540-484-6348 FX: 540-484-6683

TITLE:		BUILDER SERIES 4780 SGD		INSTALLATION & GENERAL NOTES		PREPARED BY:		BUILDING DROPS, INC.		1900 NE MIAMI CT. SUITE 2-15		MIAMI, FL 33132		PH: (954) 399-8478		FX: (954) 744-4738	
REVISIONS		NO.		DESCRIPTION		BY		DATE									
		A		FBC 5TH EDITION UPDATE		SM		07.30.14									
		B		ANCHOR REVISION		YC		11.25.19									
		C		UPDATED TO CURRENT FBC		LMH		01.08.26									

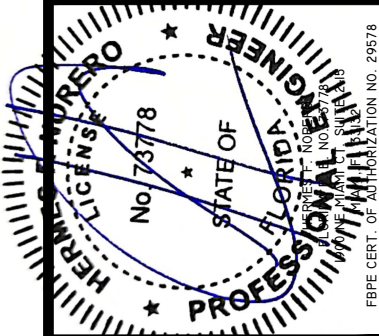


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DWG #:	PGW063
SHEET:	1 OF 4

TITLE: BUILDER SERIES 4780 SGD ELEVATION & ANCHOR LAYOUT	PREPARED BY: BUILDING DROPS, INC. 1900 NE MIAMI CT. SUITE 2-15 MIAMI, FL 33132 BD BUILDING DROPS PH: (954) 399-8478 FX: (954) 744-4738			

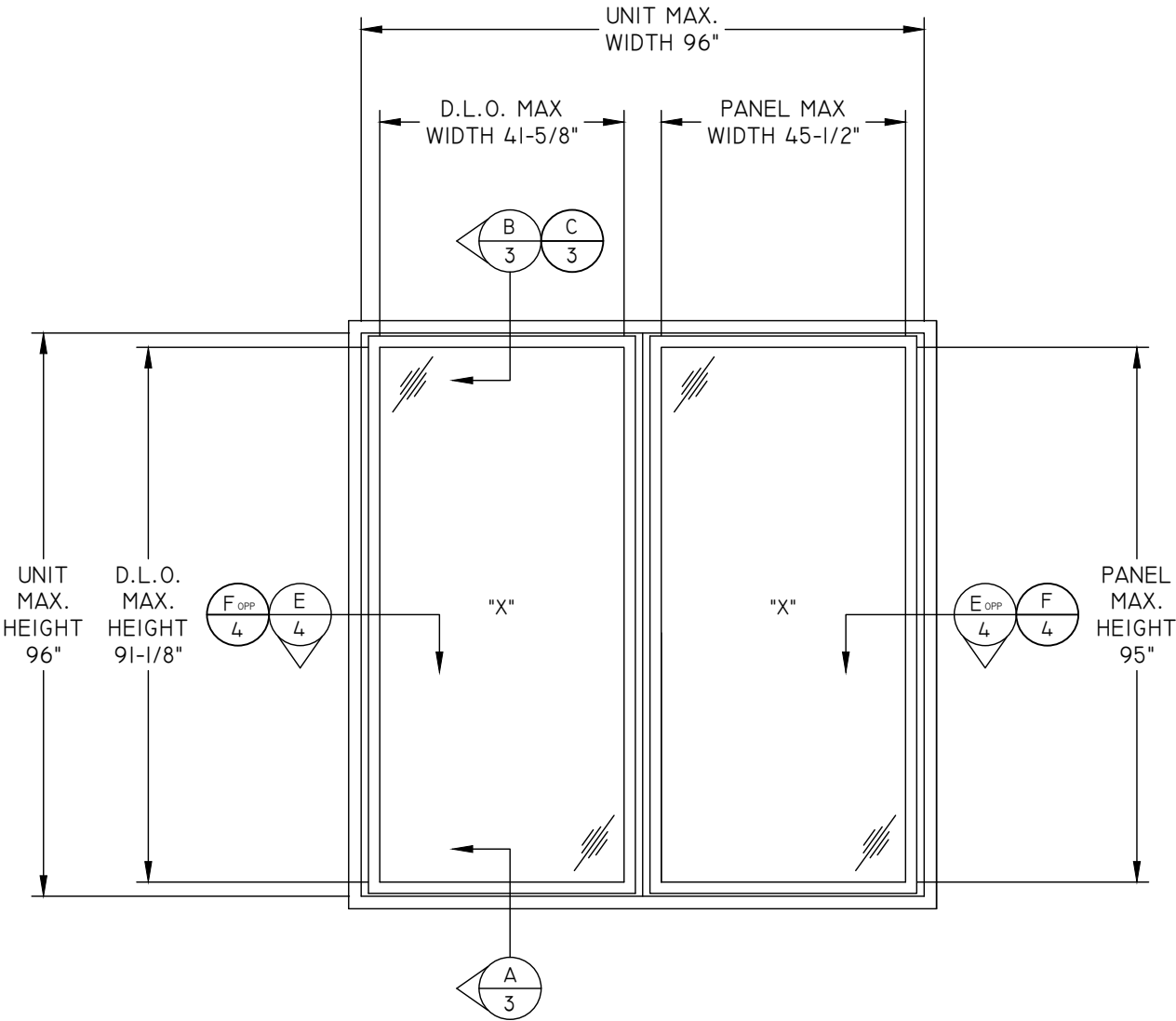
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		C	UPDATED TO CURRENT FBC	LMH	01.08.26



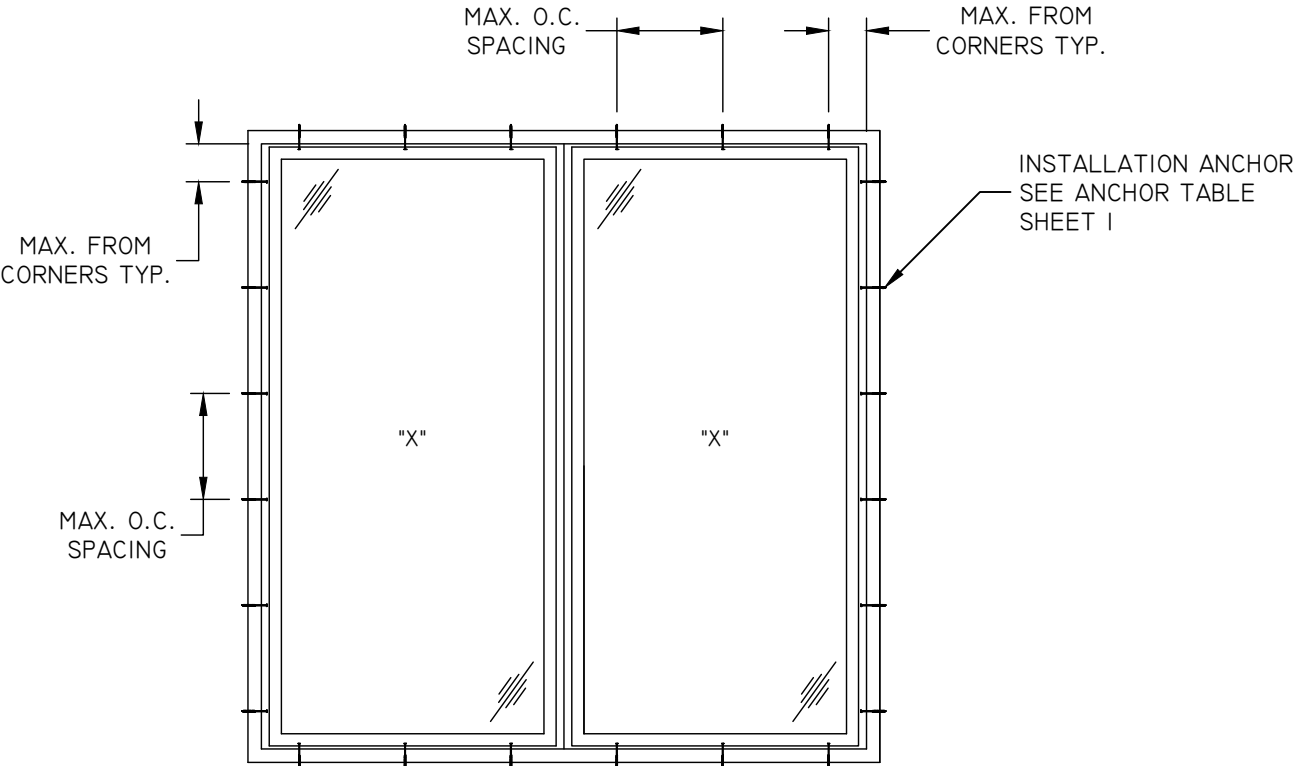
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PGW063

SHEET: **2 OF 4**



ELEVATION

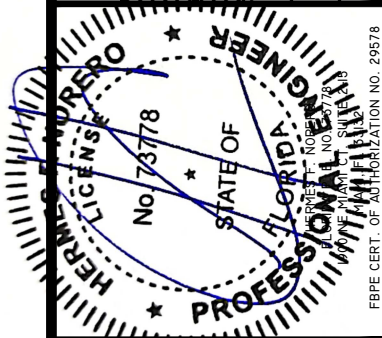


ANCHOR LAYOUT

NOTE: (2) ANCHORS REQUIRED PER ANCHOR LOCATION

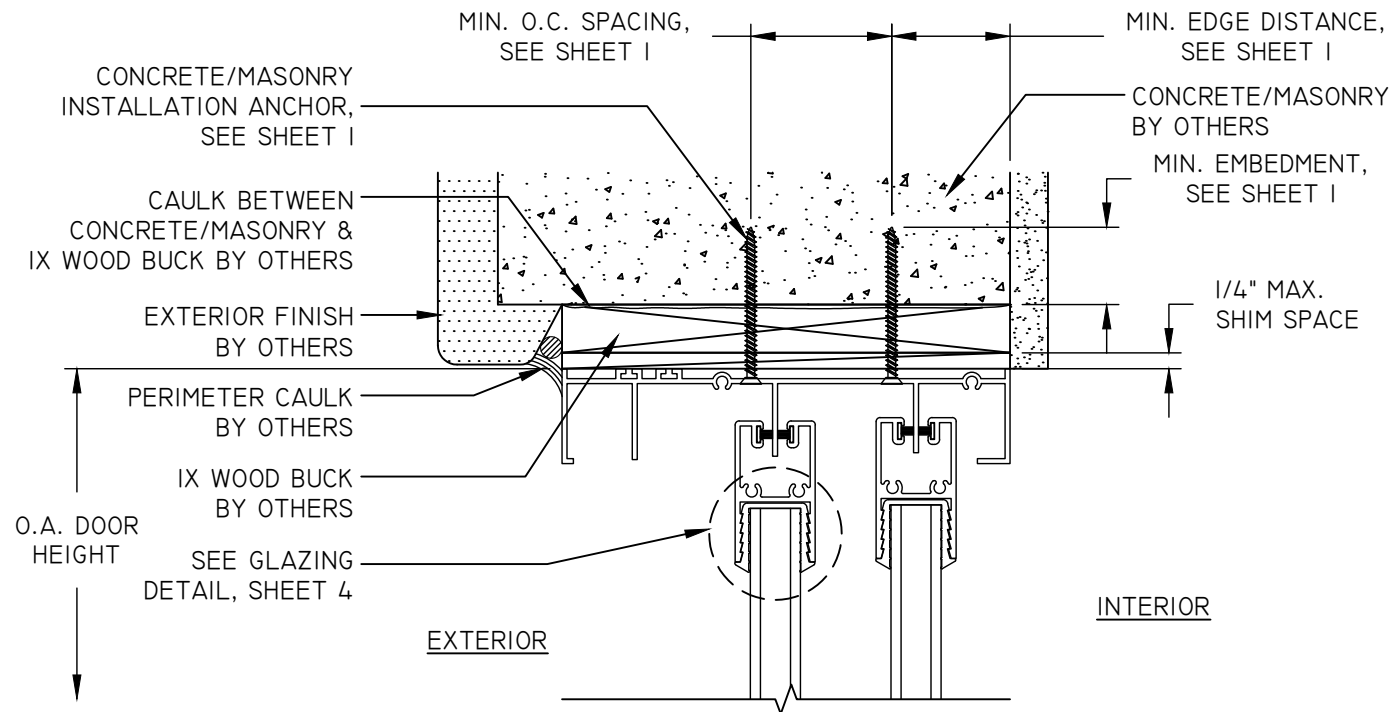
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	07.30.14	SM	11.25.19	YC
			01.08.26	LMH

REVISIONS		DESCRIPTION	DATE	BY
NO.	A	FBC 5TH EDITION UPDATE	07.30.14	SM
B	B	ANCHOR REVISION	11.25.19	YC
C	C	UPDATED TO CURRENT FBC	01.08.26	LMH

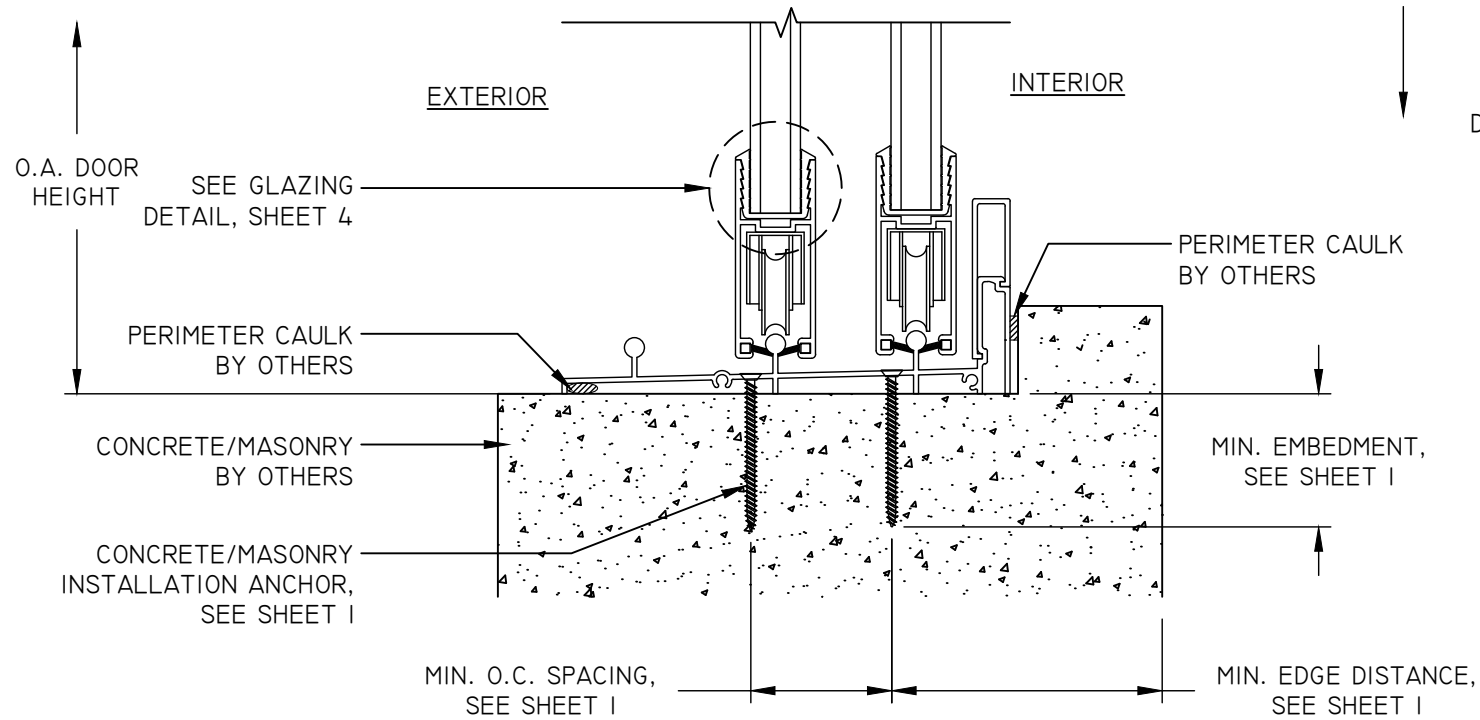


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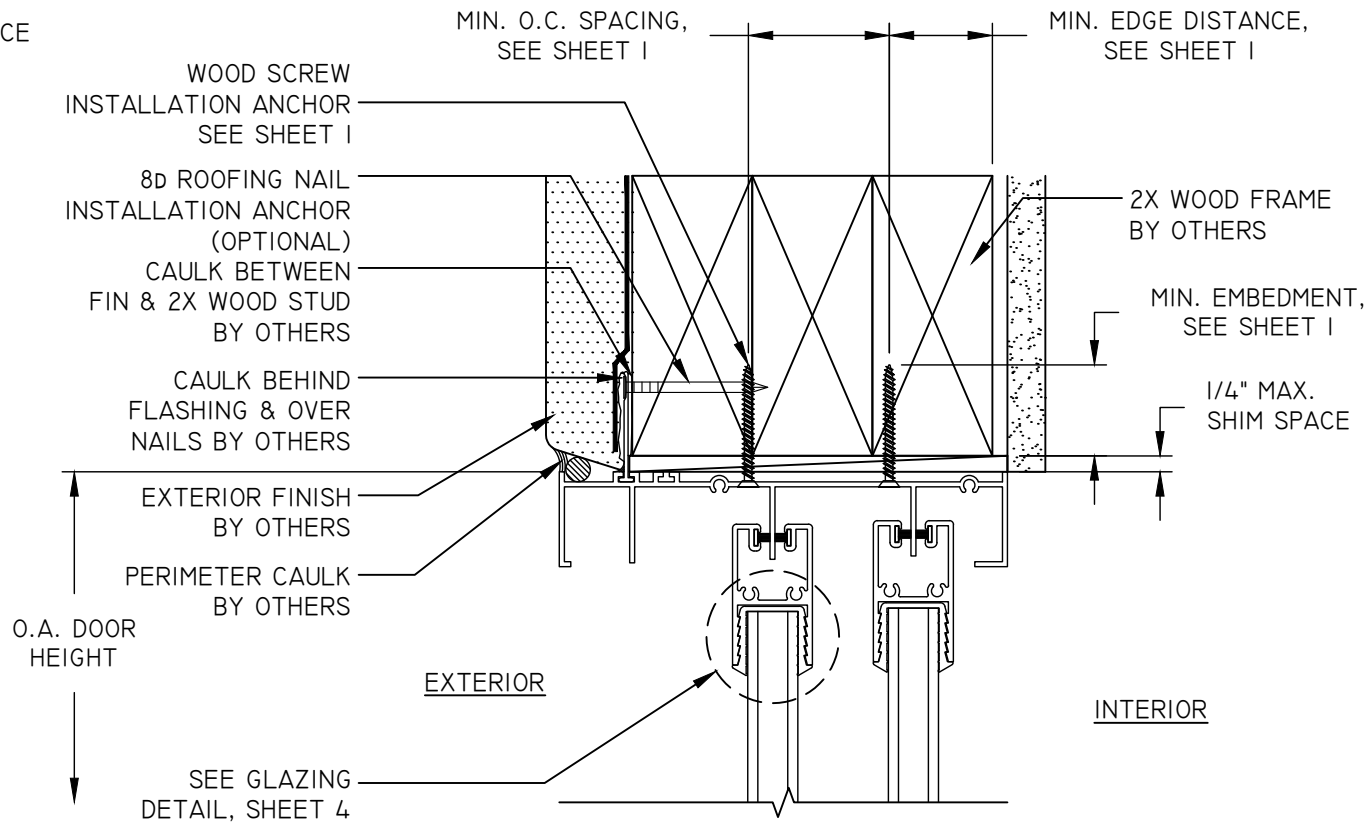
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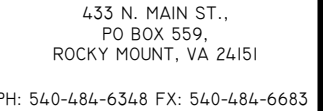
B
3
VERTICAL SECTION
HEAD - CONCRETE/MASONRY



A
3
VERTICAL SECTION
SILL - CONCRETE/MASONRY

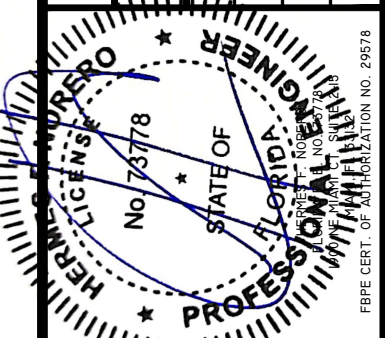


C
3
VERTICAL SECTION
HEAD - 2X WOOD FRAME



- ## GLAZING DETAIL

REVISIONS			
NO.	DESCRIPTION	BY	DATE
1	FBC 5TH EDITION UPDATE	SM	07.30.14
2	ANCHOR REVISION	YC	11.25.19
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DATE:	05.26.11
DWN BY:	MSS
CHK BY:	HFN
SCALE:	NTS

DWG #: PGW063
SHEET: 4 OF 4