

PLY GEM WINDOWS SERIES 4880IR SLIDING GLASS DOOR (IMPACT)



Part of the Cornerstone Building Brands Family
 433 N. MAIN ST.,
 PO BOX 559,
 ROCKY MOUNT, VA 24151
 PH: 540-484-6348
 FX: 540-484-6683

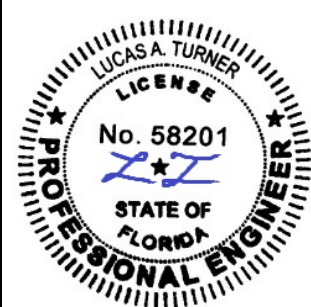
NOTES:

1. THIS INSTALLATION HAS BEEN EVALUATED FOR USE IN LOCATIONS ADHERING TO THE FLORIDA BUILDING CODE OUTSIDE THE HVHZ, AND WHERE PRESSURE REQUIREMENTS AS DETERMINED BY ASCE 7 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES DO NOT EXCEED THE DESIGN PRESSURE RATINGS HEREIN.
2. THIS PRODUCT IS MISSILE LEVEL D, WIND ZONE 3 IMPACT RESISTANT. WHEN USED IN WIND ZONE 3 OR BELOW AREAS, THIS PRODUCT DOES NOT REQUIRE THE USE OF APPROVED IMPACT PROTECTIVE DEVICES (SHUTTERS).
3. ANCHOR TYPE, SIZE, SPACING, EMBEDMENT, AND EDGE DISTANCE SHALL BE AS SPECIFIED IN THESE DRAWINGS. USE APPROPRIATE ANCHORAGE FROM TABLE I ACCORDING TO SUBSTRATE TYPE. A MINIMUM CENTER-TO-CENTER SPACING OF 3" SHALL BE MAINTAINED BETWEEN ALL INSTALLATION FASTENERS IN ANY DIRECTION.
4. ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO. FOR MASONRY OPENINGS WITH WOOD BUCKS LESS THAN 1-1/2" THICK, EMBEDMENT SHALL BE BEYOND WOOD BUCKS, IF USED, AND INTO MASONRY SUBSTRATE. WOOD BUCKS WITH MASONRY ARE OPTIONAL.
5. WOOD, METAL, OR MASONRY OPENINGS, BUCKS, AND BUCK FASTENERS, BY OTHERS, SHALL BE PROPERLY DESIGNED AND INSTALLED BY OTHERS TO TRANSFER SUPERIMPOSED LOADS TO THE STRUCTURE. ADEQUACY OF THE STRUCTURE TO RECEIVED THESE LOADS SHALL BE VERIFIED BY THE CONTRACTOR OR AUTHORITY HAVING JURISDICTION (AHJ).
6. IT IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD OR AS APPROVED BY THE AHJ TO SELECT PLY GEM PRODUCTS TO MEET ALL APPLICABLE LOCAL LAWS, BUILDING CODES, ORDINANCES, OR OTHER SAFETY REQUIREMENTS FOR EACH INSTALLATION.
7. SHIMS ARE REQUIRED WHERE GAPS OF GREATER THAN 1/16" EXIST BETWEEN OPENING AND FRAME. MAX. SHIM STACK IS 1/4". SHIMS SHALL BE LOAD-BEARING AND CAPABLE OF TRANSFERRING LOADS TO THE SUBSTRATE.
8. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER INFILTRATION RESISTANCE OF THE INSTALLED PRODUCT SHALL BE THE RESPONSIBILITY OF OTHERS USING ASTM E 2112 AND IS NOT ADDRESSED BY THIS DOCUMENT.
9. INSTALLED GLAZING SHALL COMPLY WITH ASTM E 1300.
10. ALL FASTENERS PENETRATING INTO PRESSURE TREATED WOOD SHALL BE CAPABLE OF PREVENTING CORROSION DUE TO REACTION WITH PRESSURE TREATMENT CHEMICALS. ANY DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE PROTECTED TO PREVENT REACTIONS IN ACCORDANCE WITH CODE REQUIREMENTS.
11. A WIND LOAD DURATION FACTOR Cd = 1.6 WAS USED FOR THE ANALYSIS OF WOOD SCREWS ONLY.
12. PRODUCTS SHALL BE CONSTRUCTED AS SPECIFIED IN TEST REPORTS CONSTRUCTION CONSULTING LABORATORY, INTERNATIONAL I2-173.
13. DESIGNATION "X" IS FOR OPERABLE PANEL AND "O" IS FOR FIXED PANEL
14. USE A BACKER ROD ON ALL JOINTS >3/4" DEEP AND/OR WIDER THAN 1/4". FINISHED CAULK JOINT SHOULD BE A MINIMUM OF 3/8" DEEP.

SIZE CHART			
MAX. O.A. SIZE	SILL RISER	DESIGN PRESSURE	MISSILE IMPACT RATING
185.63" X 95.75"	DP50 SILL RISER (ITEM #4A)	+50 / -70 PSF	LARGE & SMALL MISSILE IMPACT RATED
185.63" X 95.75"	DP70 SILL RISER (ITEM #4B)	+70 / -70 PSF	

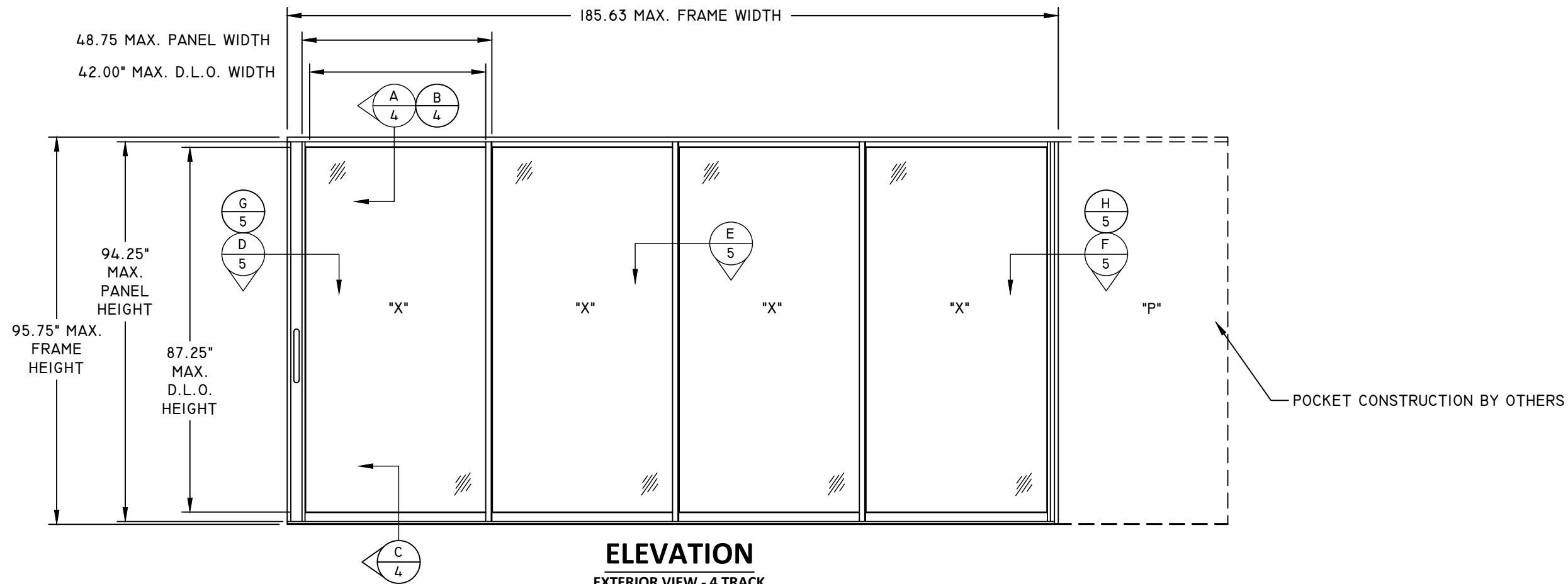
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1	INSTALLATION & GENERAL NOTES
2	ELEVATION & ANCHOR LAYOUT
3	QUALIFIED CONFIGURATIONS
4	VERTICAL SECTIONS
5	HORIZONTAL SECTIONS & GLAZING DETAIL

TITLE: SERIES 4880IR SLIDING GLASS DOOR INSTALLATION & GENERAL NOTES	DATE:	10.01.12	DWN BY:	MSS	CHK BY:	SCALE:	NTS
	NO.	A	BY	BB	LMH	LMH	LMH
	REVISION DESCRIPTION	5TH ED. FBC UPDATES	DATE	05.21.15	12.10.17	12.16.20	12.04.23
		ADDED NOTES & TABLE I					
		7TH EDITION 2020 FBC					
	8TH EDITION 2023 FBC						



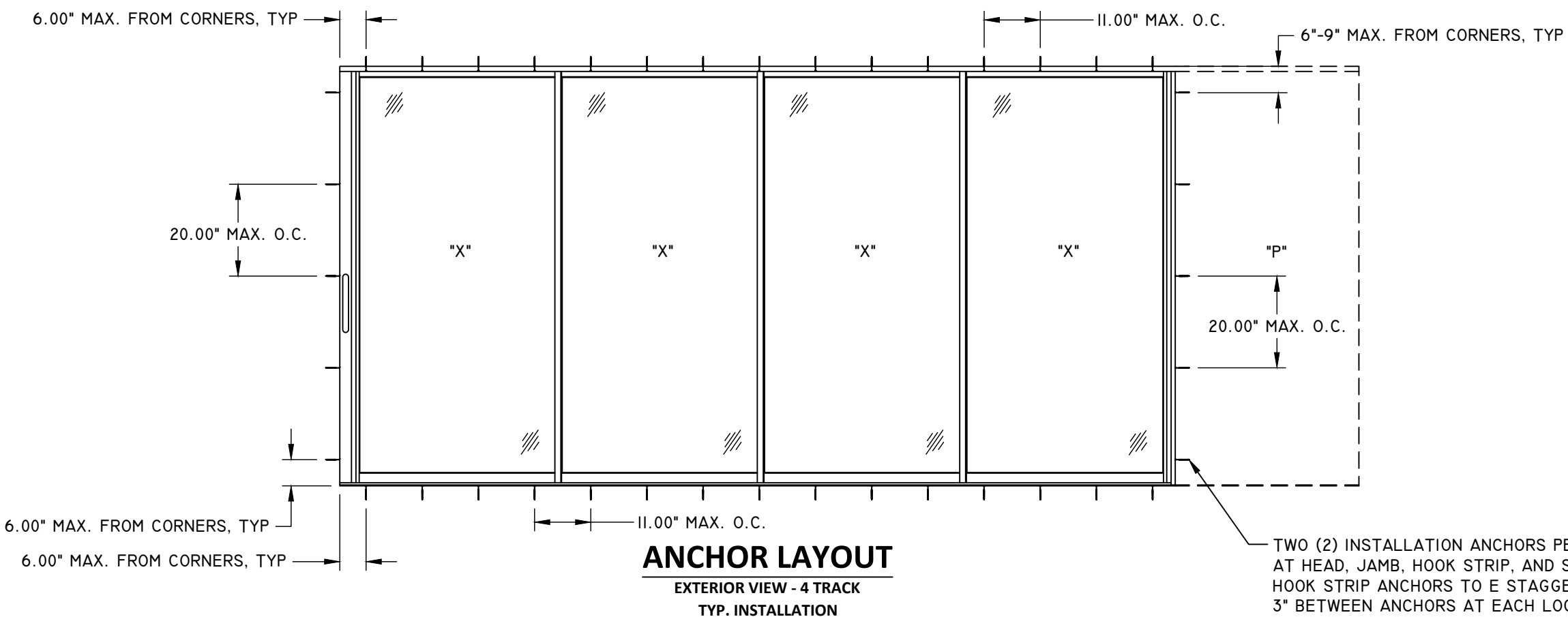
12/04/2023
 LUCAS A. TURNER, P.E.
 FL PE # 58201
 TURNER ENGINEERING &
 CONSULTING, INC.
 (COA # 29779)
 2428 OLD NATCHEZ TRACE
 TRAIL, CAMDEN, TN 38320
 PH. 941-380-1574

FL#: 15943
 DWG #: PGWI75
 SHEET: 1 OF 5



ELEVATION
EXTERIOR VIEW - 4 TRACK

POCKET CONSTRUCTION BY OTHERS

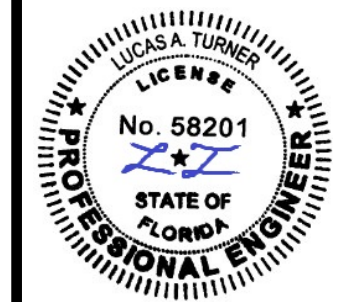


ANCHOR LAYOUT
EXTERIOR VIEW - 4 TRACK
TYP. INSTALLATION

TWO (2) INSTALLATION ANCHORS PER LOCATION
AT HEAD, JAMB, HOOK STRIP, AND SILL.
HOOK STRIP ANCHORS TO E STAGGERED BY
3\"/>

TITLE: SERIES 4880IR SLIDING GLASS DOOR ELEVATION & ANCHOR LAYOUT		NO.	REVISION DESCRIPTION	BY	DATE
		A	5TH ED. FBC UPDATES	BB	05.21.15
		B	ADDED NOTES & TABLE I	LMH	12.10.17
		C	7TH EDITION 2020 FBC	LMH	12.16.20
		D	8TH EDITION 2023 FBC	LMH	12.04.23

DATE: 10.01.12	DWN BY: MSS	CHK BY:	SCALE: NTS
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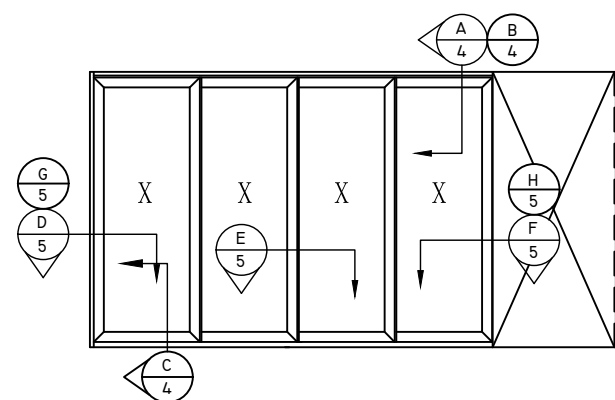


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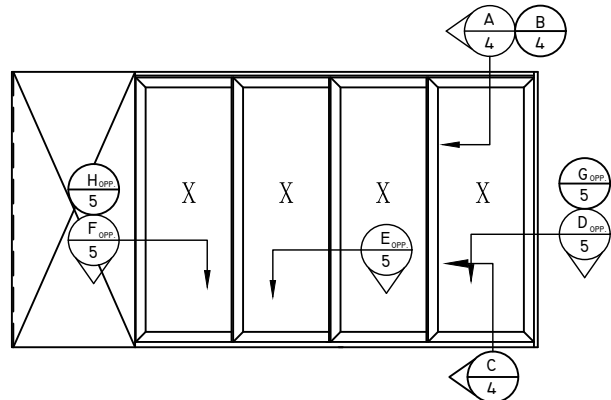
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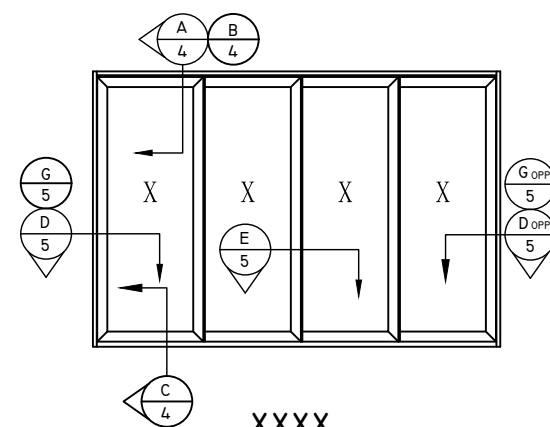
SHEET: **2 OF 5**



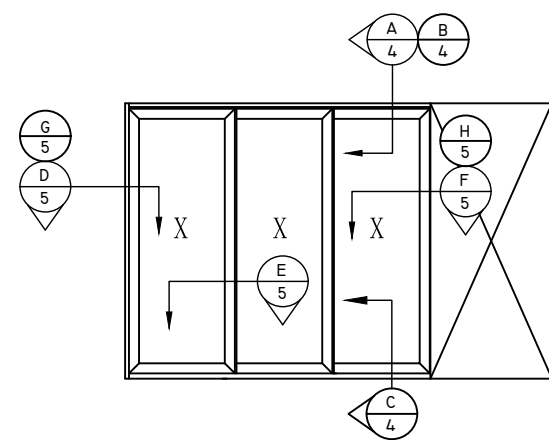
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(POCKETING DOORS)
4 TRACK



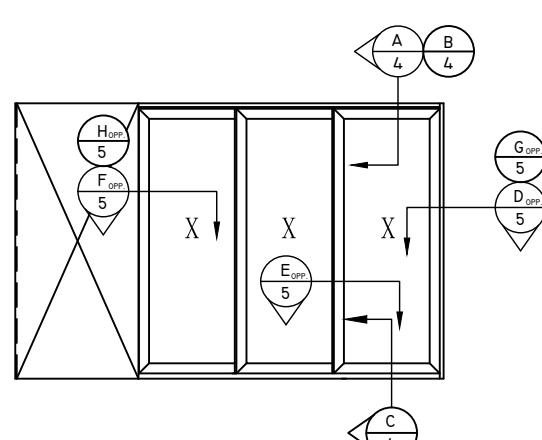
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4 TRACK



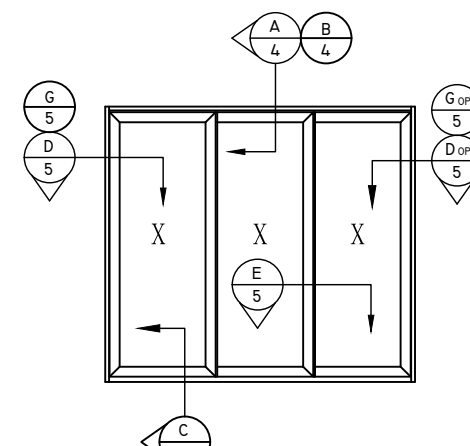
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4 TRACK



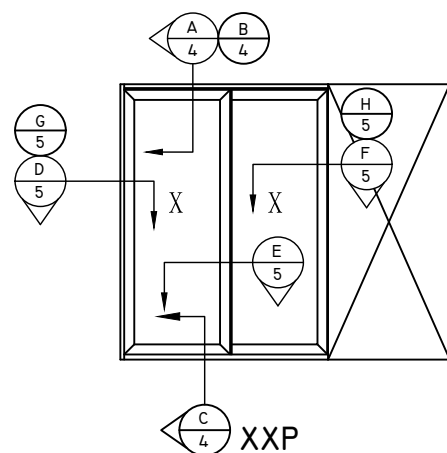
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3 TRACK



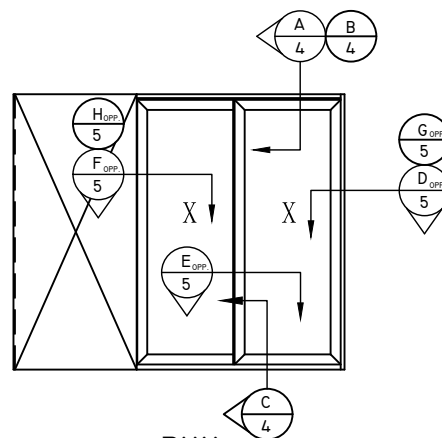
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3 TRACK



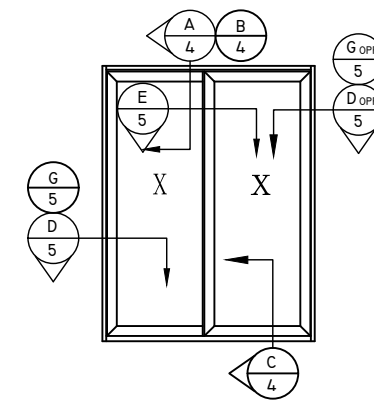
XXX
(NON-POCKETING DOORS)
3 TRACK



XXP
(POCKETING DOORS)
2 TRACK



PXX
(POCKETING DOORS)
2 TRACK



XX
(NON-POCKETING DOORS)
2 TRACK

NOTE: SECTION DETAILS SHOW 4 TRACK FRAMES, INSTALLATION AND CONSTRUCTION OF 2 TRACK AND 3 TRACK FRAMES ARE SIMILAR AND SHALL FOLLOW INSTALLATION REQUIREMENTS SET FORTH HEREIN.

TITLE: SERIES 4880IR SLIDING GLASS DOOR
QUALIFIED CONFIGURATIONS

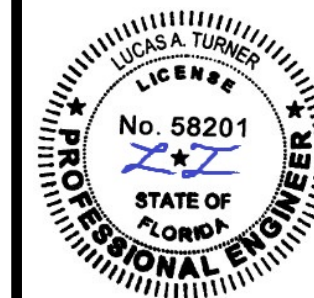
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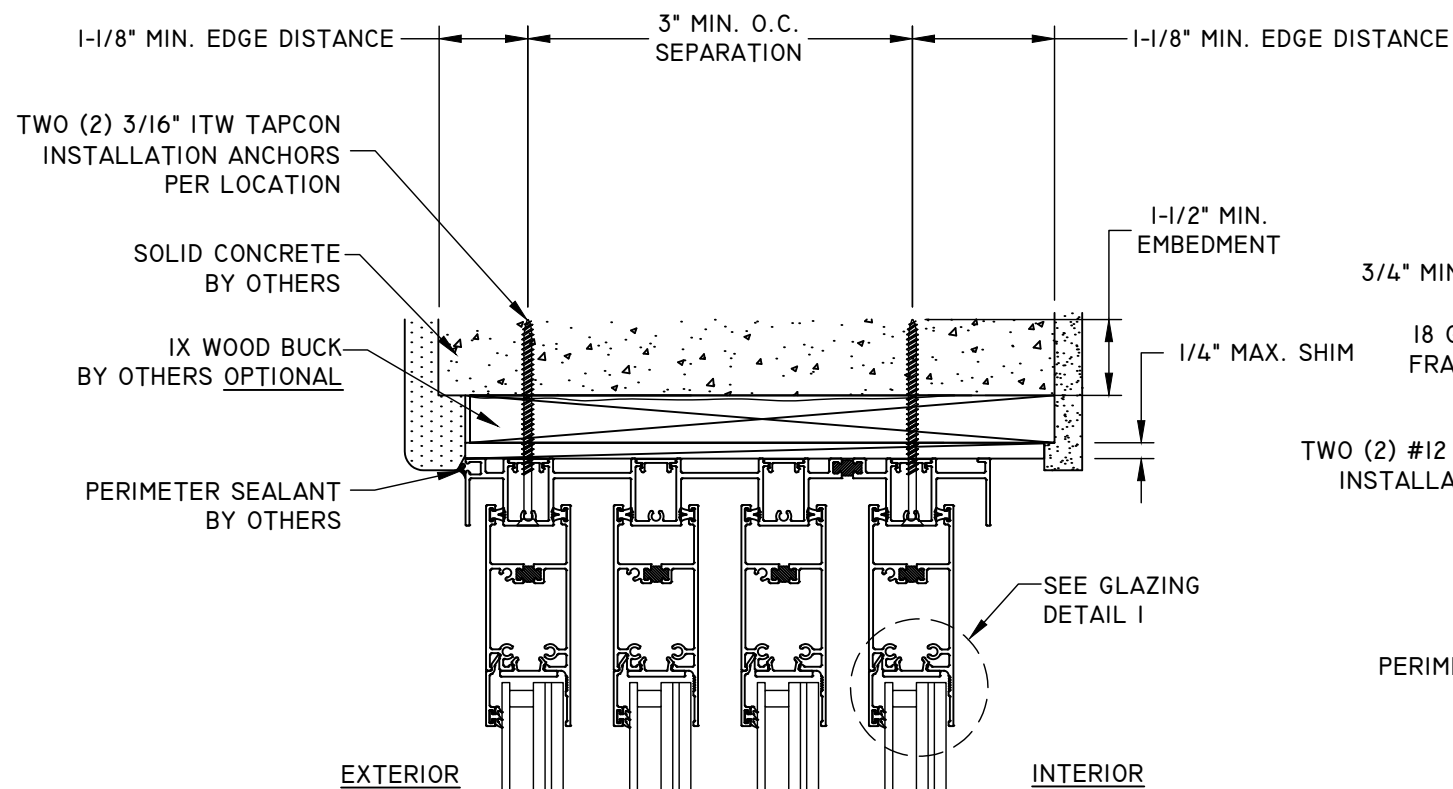


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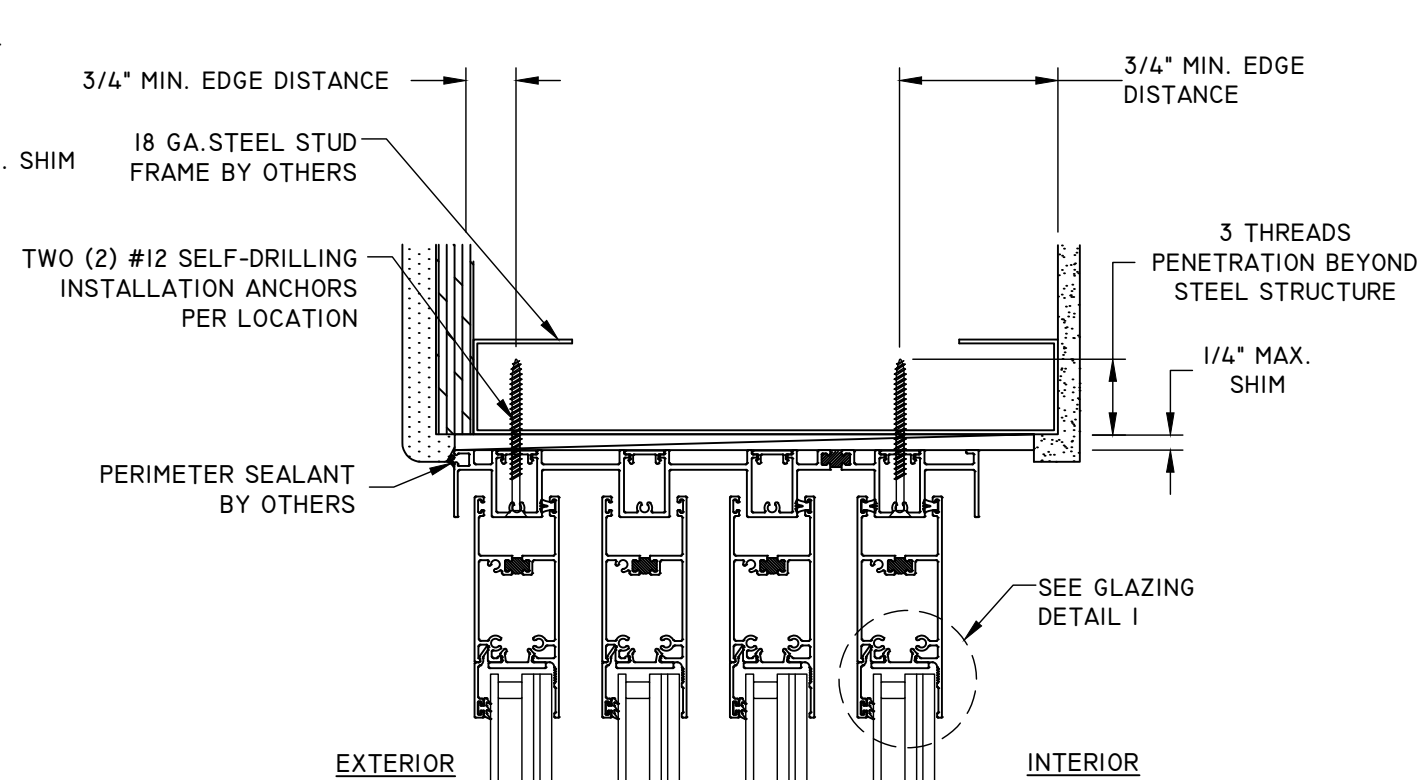
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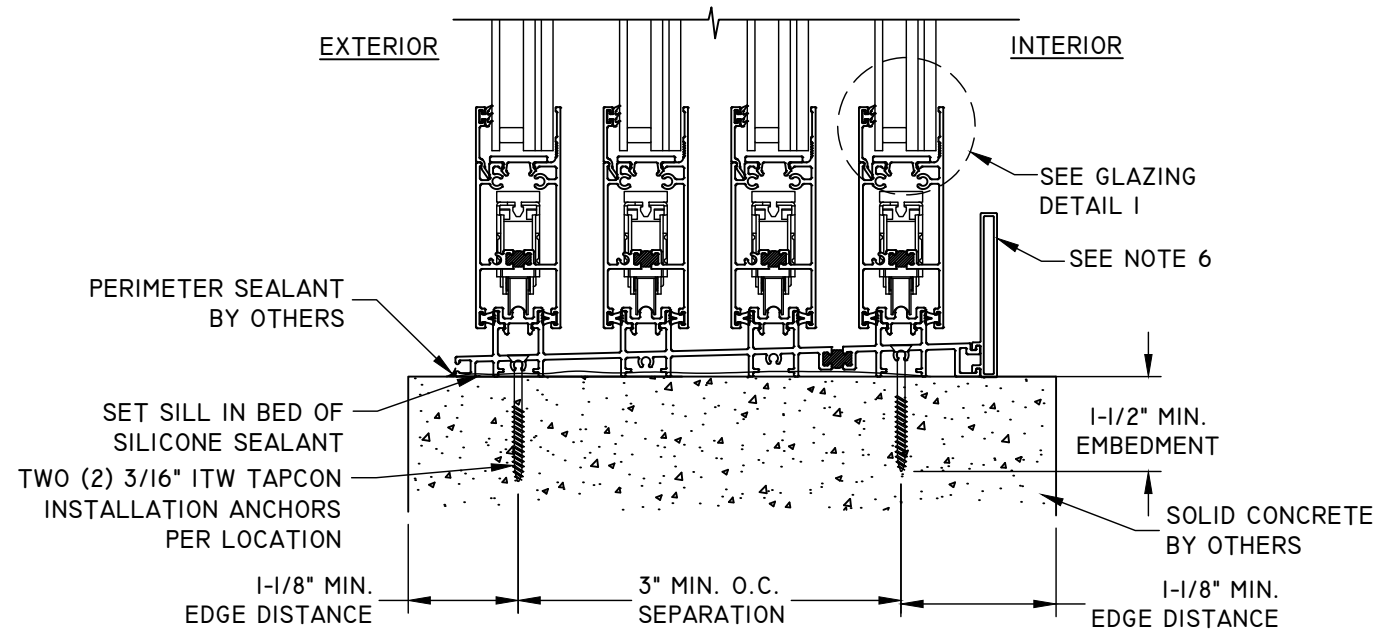
SHEET: **3 OF 5**



A
4
VERTICAL SECTION
CONCRETE - HEAD TYP.
4 TRACK



B
4
VERTICAL SECTION
STEEL STUD - HEAD TYP.
4 TRACK



C
4
VERTICAL SECTION
CONCRETE - SILL TYP.
4 TRACK

SILL NOTE:

WHEN PENETRATING THE SILL WITH FASTENERS, PRE-DRILL THE HOLE, APPLY SEALANT INTO THE HOLE, ATTACH THE FASTENER, THEN SEAL OVER THE FASTENER HEAD WITH APPROPRIATE SEALANT. SEE NOTE 8, SHEET 1.

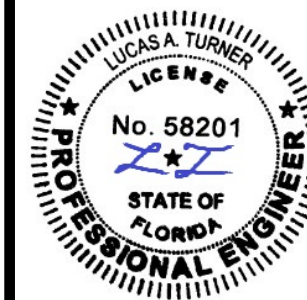
NOTE:

- 4 TRACK FRAME SHOWN, 2 TRACK AND 3 TRACK FRAMES QUALIFIED UNDER THIS APPROVAL.
- TWO INSTALLATION ANCHORS REQUIRED PER LOCATION INDICATED IN TYP. ANCHOR LAYOUT, AS SHOWN ON SHEET 2.
- INSTALLATION ANCHORS SHALL BE FASTENED THROUGH EXTERIOR AND INTERIOR MOST TRACKS.
- INSTALLATION ANCHORS MAY BE STAGGERED IN ORDER TO MAINTAIN MINIMUM O.C. SPACING.
- INSTALLATION AT SILL MAY BE THROUGH IX WOOD BUCK OR DIRECTLY INTO CONCRETE/ MASONRY OR THROUGH MIN. 18 GA. STEEL SUBSTRATE.
- SEE POSITIVE DESIGN PRESSURE LIMITATIONS BASED ON WATER INFILTRATION PERFORMANCE, SHEET 1.

TITLE: SERIES 4880IR SLIDING GLASS DOOR
VERTICAL SECTIONS

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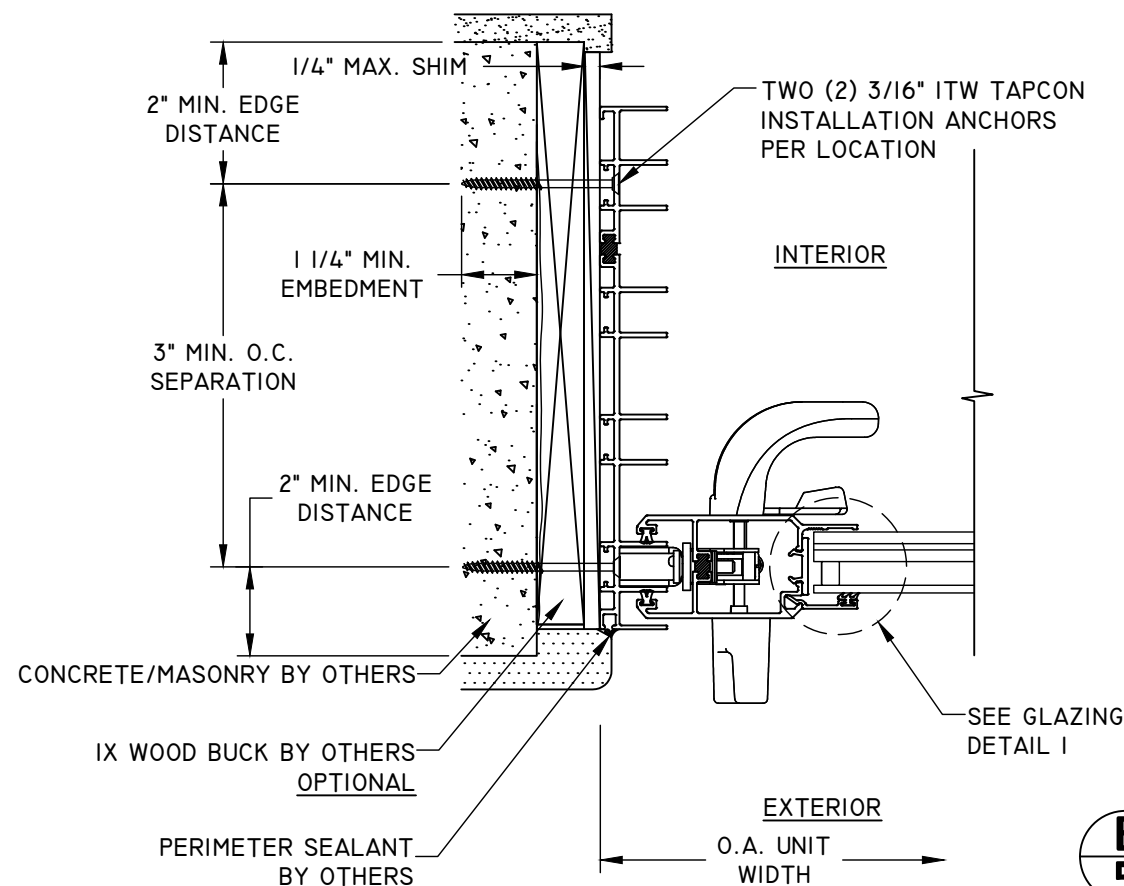


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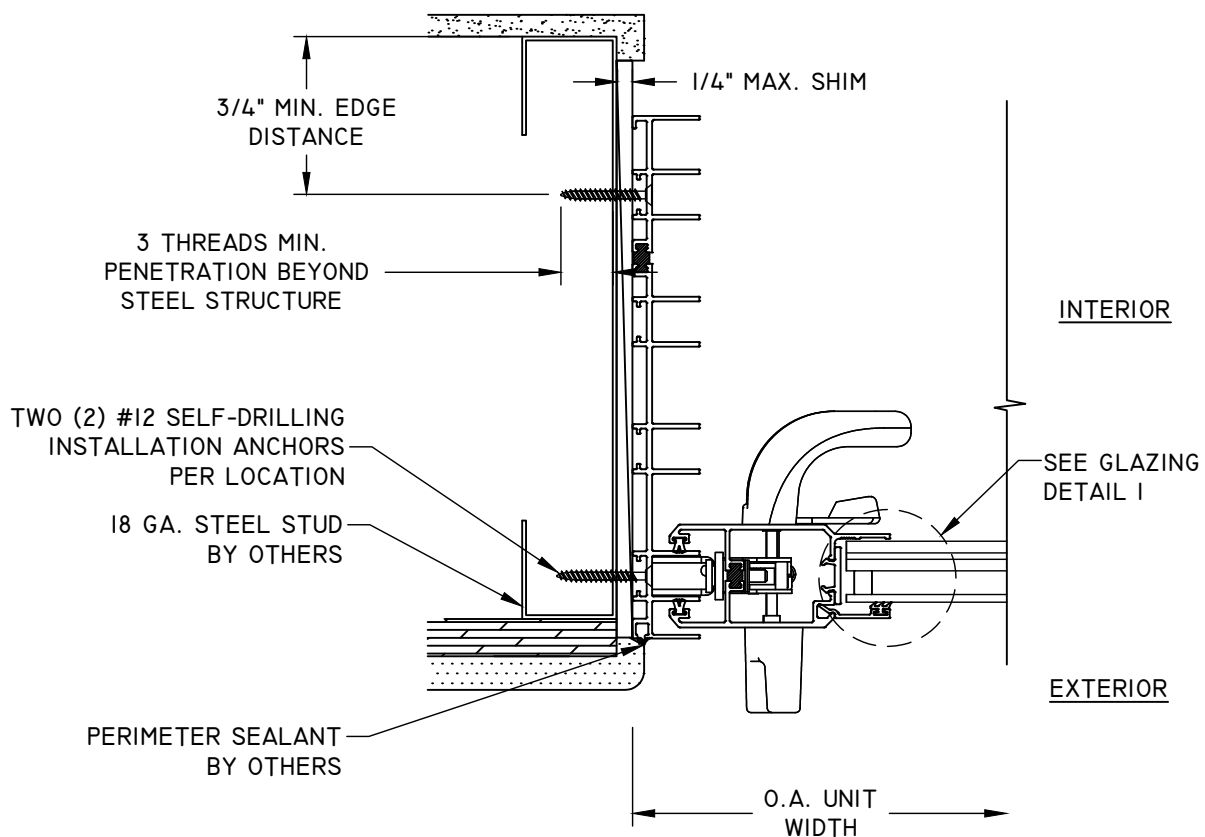
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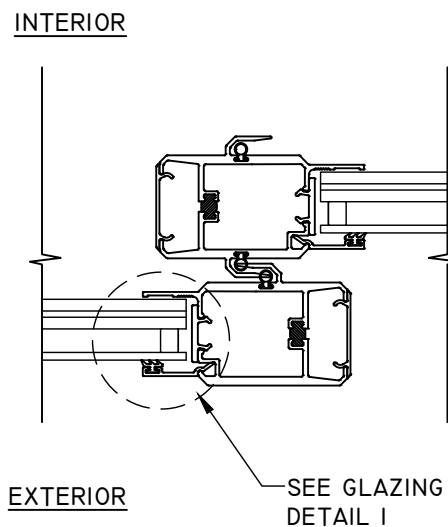
SHEET: 4 OF 5



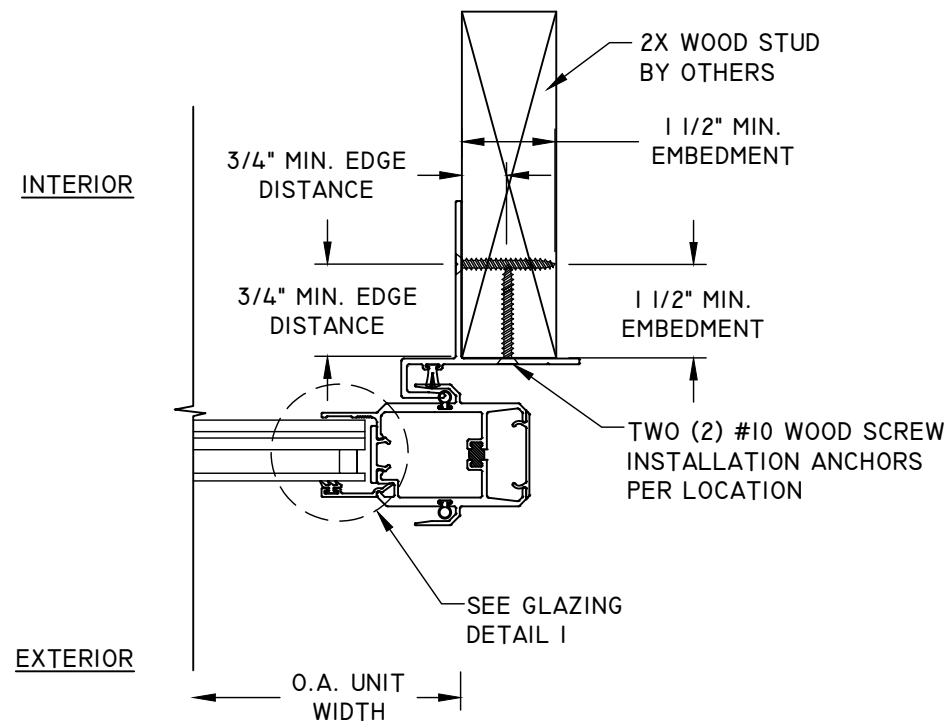
D
5 **HORIZONTAL SECTION**
CONCRETE/ MASONRY - JAMB TYP.
4 TRACK



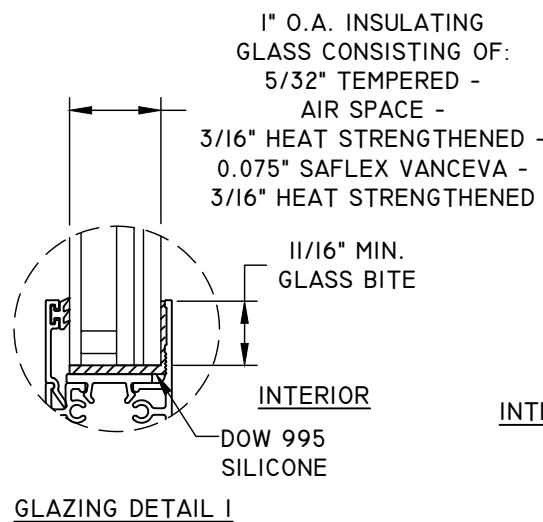
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5 **HORIZONTAL SECTION**
STEEL STUD - JAMB TYP.
4 TRACK



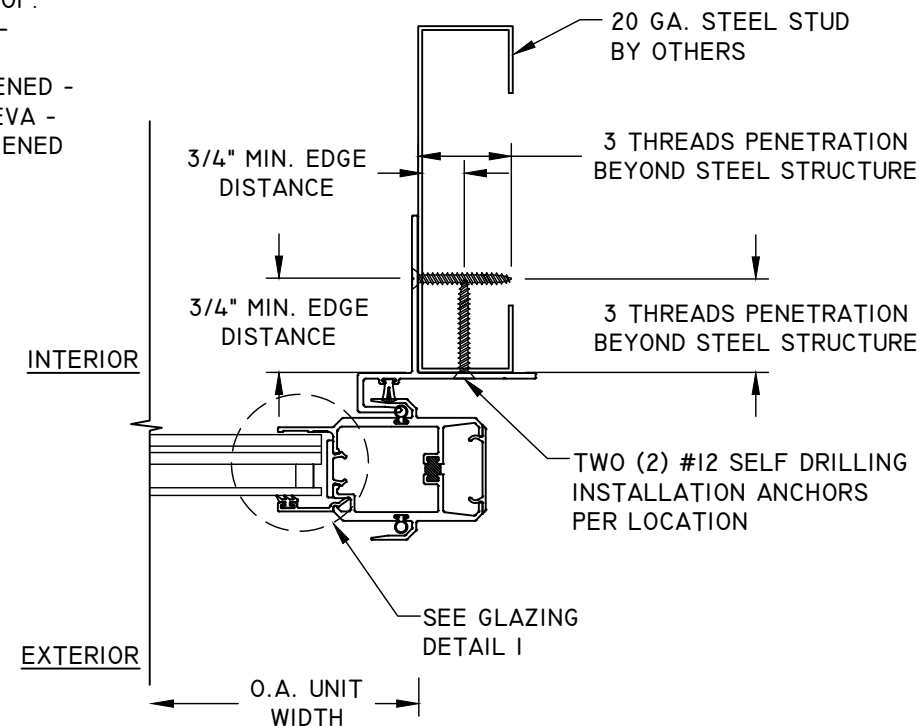
E
5 **HORIZONTAL SECTION**
INTERLOCK



F
5 **HORIZONTAL SECTION**
2X WOOD - POCKET JAMB TYP.

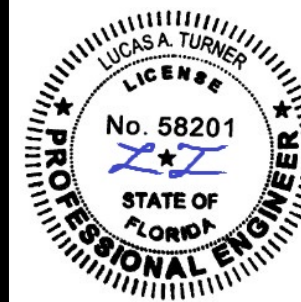


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H
5 **HORIZONTAL SECTION**
STEEL STUD - POCKET JAMB TYP.

TITLE: SERIES 4880IR SLIDING GLASS DOOR HORIZONTAL SECTIONS & GLAZING DETAIL		NO.	REVISION DESCRIPTION	BY	DATE
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					NTS
		A	5TH ED. FBC UPDATES	BB	05.21.15
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