

SUNSET WINDOWS & DOORS
SERIES 5400 SGD DOOR, XX, OX, OXO, OXXO
VINYL, NON-IMPACT, NON-HVHZ

GENERAL NOTES:

- 1.THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED TEST REPORTS BY INTERTEK TESTING LABORATORIES: TEST REPORT NO. Q9481.01–901–44, Q9480.01–901–44 AND Q9479.02–901–44. PERFORMANCE STANDARDS USED IN TESTING WERE: AAMA/WDMA/CSA 101/I.S.2/A440–22.
- 2.THIS PRODUCT CANNOT BE USED IN THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 3.ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE / MASONRY AND 2X FRAMING FRAMING SUBSTRATES AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT ACTING AS THE DESIGN PROFESSIONAL OF RECORD FOR THE PROJECT OF INSTALLATION.
- 4.1X AND 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 LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT ACTING AS THE DESIGN PROFESSIONAL OF RECORD FOR THE PROJECT OF INSTALLATION.
- 5.WHEN INSTALLED IN LOCATIONS WHERE WINDBORNE DEBRIS PROTECTION REQUIREMENTS EXIST,THIS PRODUCT DOES REQUIRE OPENING PROTECTION.
- 6.SITE CONDITIONS NOT COVERED IN THIS PRODUCT EVALUATION DOCUMENT ARE SUBJECT TO ADDITIONAL ENGINEERING ANALYSIS BY A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
- 7.MATERIALS:
7.1. FRAME: RIGID PVC / VINYL
- 8.GLAZING:
8.1. GLASS MEETS THE REQUIREMENTS OF ASTM E1300–16.
8.2. SEE GLAZING DETAILS ON SHEET 7 OF 8.
8.3. THE IGU WAS SET FROM THE EXTERIOR ONTO INTERIOR STOP WITH FOAM GLAZING TAPE, SECURED WITH VINYL SNAP FIT GLAZING BEAD.
8.4. GLASS SHALL MEET SAFETY GLAZING REQUIREMENTS PER CURRENT EDITION OF THE FLORIDA BUILDING CODE.
- 9.DESIGNATION "O" STANDS FOR FIXED LITE. AND "X" STANDS FOR OPERABLE
10. THESE DRAWINGS CERTIFY THE WINDOW INSTALLATION ONLY. WATER PROOFING OF THE INSTALLED WINDOW IS NOT PART OF THIS INSTALLATION CERTIFICATION. THAT RESPONSIBILITY SHALL BE THAT OF THE MANUFACTURER AND/OR THE INSTALLER.

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SHEET NO.	DESCRIPTION
1	GENERAL & INSTALLATION NOTES
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6	ANCHOR SCHEDULE
7	CROSS SECTIONS & GLAZING DETAIL
8	BILL OF MATERIALS & COMPONENTS

INSTALLATION NOTES:

1. PRODUCT ANCHORS SHALL BE AS DESIGNATED AND LOCATED AS SHOWN IN THIS PRODUCT EVALUATION DOCUMENT. ANCHOR EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER AND SIDING.
2. SEE INSTALLATION ANCHOR SCHEDULE ON SHEET 6 FOR TYPE AND GRADE OF ANCHOR, AND/OR MANUFACTURER’S ANCHOR SPECIFICATIONS, INCLUDING MINIMUM NOMINAL SIZE, MINIMUM EMBEDMENT INTO SUBSTRATE AND MINIMUM EDGE DISTANCES.
- 2.1. EDGE DISTANCES SHALL BE MEASURED FROM CENTERLINE OF ANCHOR TO EDGE OF STRUCTURAL SUBSTRATE EITHER TO THE INTERIOR OR EXTERIOR OF THE FENESTRATION PRODUCT.
- 2.2. MINIMUM EMBEDMENT SHALL BE BASED ON PENETRATION INTO MAIN WIND FORCE RESISTING SYSTEM SUBSTRATE.
3. SEE SHEETS 5 FOR SPECIFIC ANCHOR INSTALLATION DETAILS.
- 4.ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
5. ANCHOR QUANTITIES AND SPACING / EMBEDMENT AND EDGE DISTANCE
- 5.1. THE NUMBER OF INSTALLATION ANCHORS IS BASED ON THE MAXIMUM END DISTANCE (ED) AND THE MAXIMUM ON CENTER (O.C.) SPACING PLACEMENT OF ANCHORS IN ACCORDANCE WITH ELEVATIONS ON SHEET 2, 3 & 4.
- 5.2. END DISTANCES AND O.C. SPACINGS LESS THAN THAT SHOWN IN THE ELEVATIONS ON SHEETS 2, 3 & 4 ARE ACCEPTABLE.
- 5.3. FOR DOOR SIZES SMALLER THAN THOSE SHOWN, ANCHOR QUANTITIES CAN BE REDUCED WHILE MAINTAINING EDGE DISTANCE AND O.C. SPACING REQUIREMENTS.
- 5.4. ANCHOR QUANTITIES AND SPACINGS SHOWN ARE BASED ON THE LOWER OF ANCHOR SPACING USED IN TESTING OR REQUIRED BY LOADING AT DESIGN PRESSURE.
- 5.5. SEE SPACING, EMBEDMENT AND EDGE DISTANCE REQUIREMENTS IN THE INSTALLATION ANCHOR SCHEDULE ON SHEET 6.
6. MAXIMUM ALLOWABLE SHIM THICKNESS IS 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF WOOD COMPOSITE, HIGH DENSITY PLASTIC OR SIMILAR LOAD BEARING MATERIAL.
7. FOR CONCRETE BLOCK APPLICATIONS DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS.
8. 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 IN THE INSTALLATION ANCHOR SCHEDULE ON SHEET 6.

PERFORMANCE RATING					
GLAZING DETAIL	MAXIMUM DOOR SIZE	CONFIGURATION	DESIGN PRESSURE (PSF)	IMPACT RATING	WATER PENETRATION NOTES (*)
2	192” X 96”	OXXO	+/- 40 (LC–PG40)	NONE	1 (WITHOUT SILL RISER)
			+/- 50 (LC–PG50)		2 (WITH SILL RISER)
1	147” X 96”	OXO	+/- 40 (LC–PG40)		1 (WITHOUT SILL RISER)
			+/- 50 (LC–PG40)		2 (WITH SILL RISER)
2	96” X 96”	XX	+/- 50 (LC–PG50)		N/A (NO SILL RISER)

GLAZING DETAILS, (SEE SHEET 7)

- (*) WATER PENETRATION NOTES:
1). CYCLIC WATER RESISTANCE TEST WITHOUT SILL RISER = 40 PSF
2). CYCLIC WATER RESISTANCE TEST WITH SILL RISER = 50 PSF

SUNSET WINDOWS & DOORS
910 WAREHOUSE ROAD
ORLANDO, FL 32803

SERIES 5400 SGD INSTALLATION ANCHORAGE DETAILS	DATE				
	BY				
	REVISION DESCRIPTION				
	NO.				

DATE: 06/03/2025	DWN BY: JM	CHK BY: RJA	SCALE: NONE
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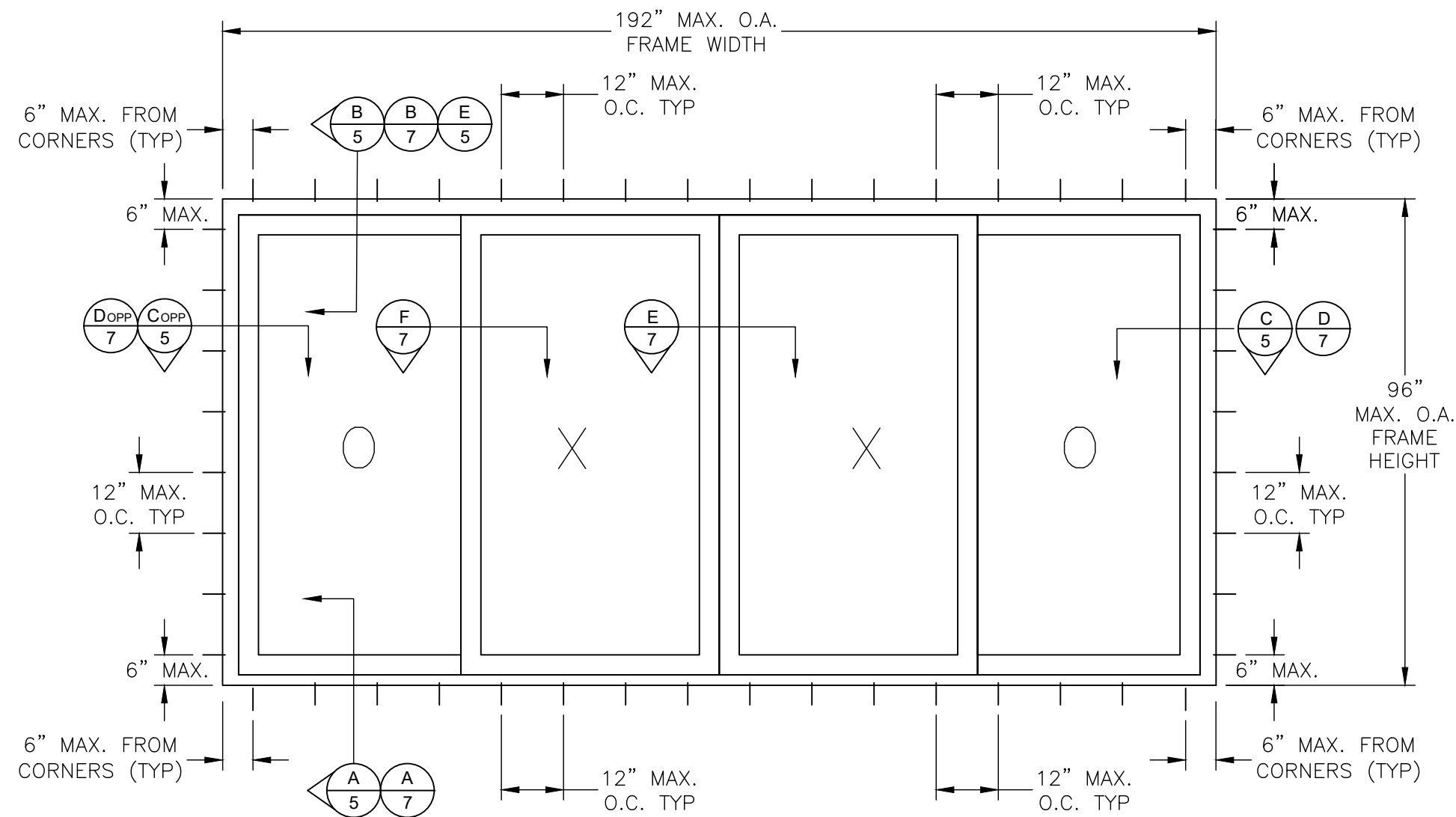
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DWG/REV: SCS-0041, Rev 0

SHT: 1 of 8

SLIDING GLASS DOOR ELEVATION
INSTALLATION ANCHOR SCHEDULE



ELEVATION DETAIL
INTERIOR VIEW

ANCHOR LOCATIONS HAVE A
+/-1/2" TOLERANCE

MAXIMUM DOOR SIZE	WIDTH	HEIGHT
FIXED PANEL	48.75"	93.375"
OPERATING PANEL	48.75"	93.375"
FIXED D.L.O.	41.50"	86.250"
OPERABLE D.L.O.	41.50"	86.250"

SUNSET WINDOWS & DOORS
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SHT: 2 of 8

SLIDING GLASS DOOR ELEVATION
INSTALLATION ANCHOR SCHEDULE

SUNSET WINDOWS & DOORS
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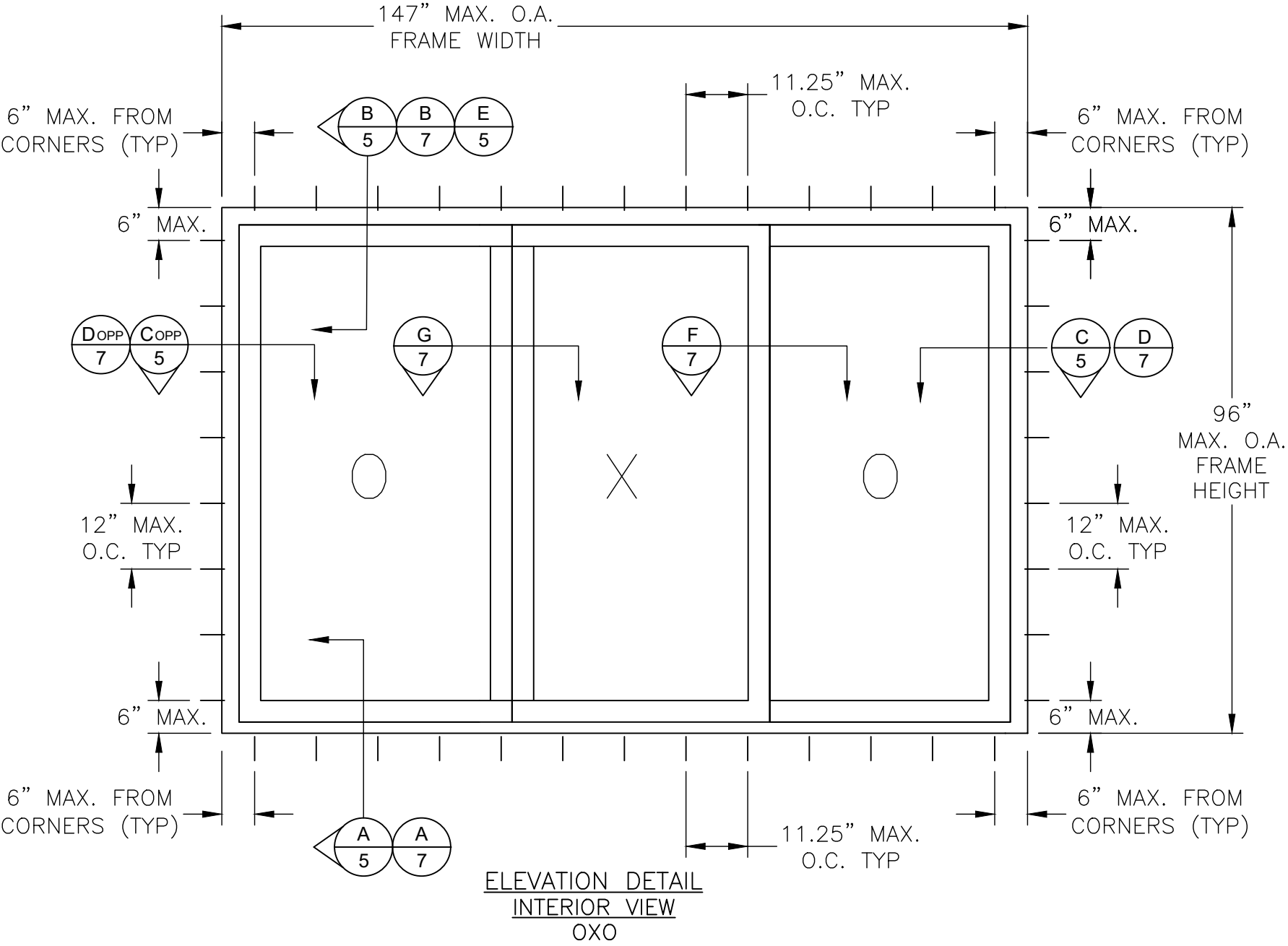
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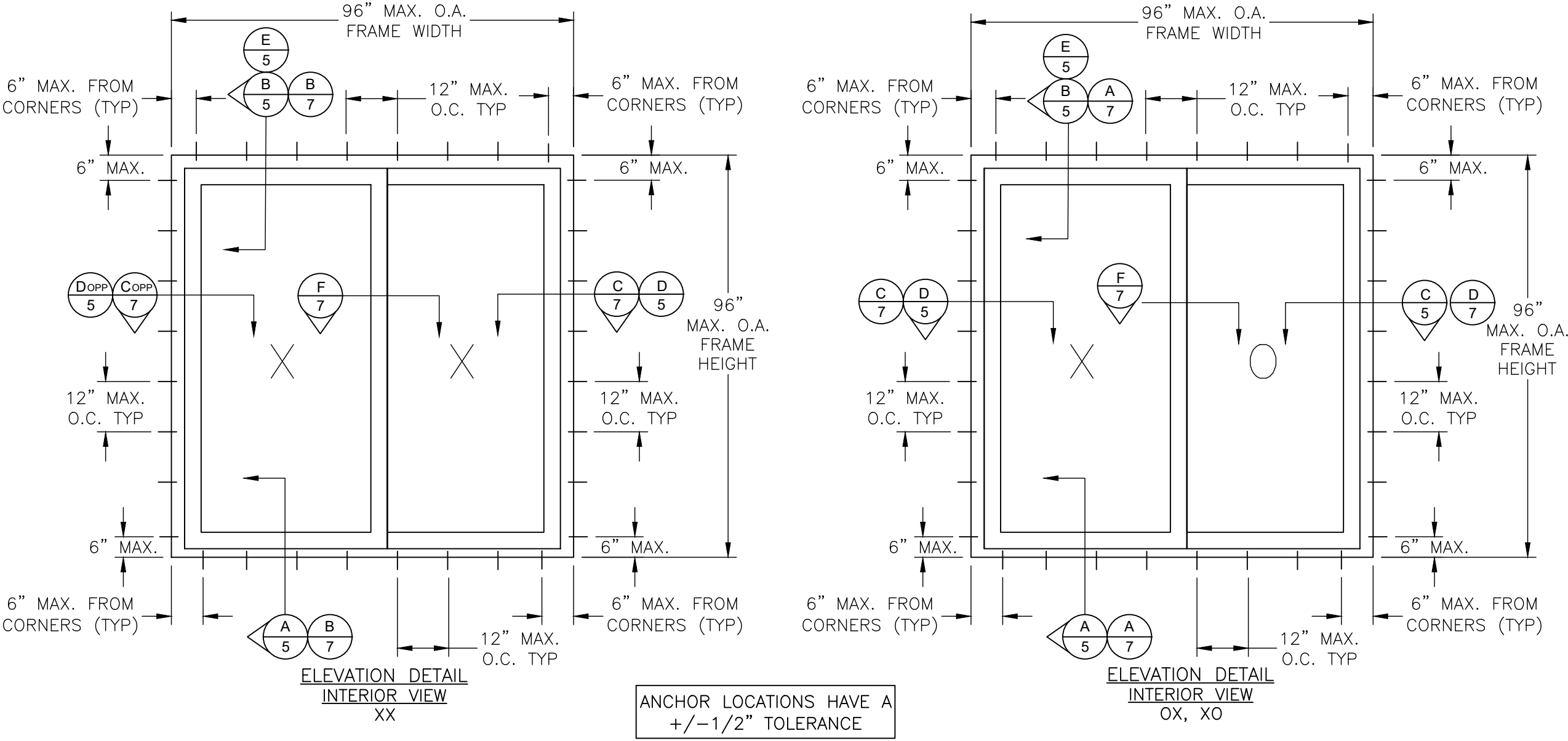
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DWG/REV:	SCS-0041, Rev 0
SHT:	3 of 8



ANCHOR LOCATIONS HAVE A
+/- 1/2" TOLERANCE

MAXIMUM DOOR SIZE	WIDTH	HEIGHT
FIXED PANEL	48.625"	93.312"
OPERATING PANEL	48.625"	93.312"
FIXED D.L.O.	41.50"	86.250"
OPERABLE D.L.O.	41.50"	86.250"

SLIDING GLASS DOOR ELEVATION
INSTALLATION ANCHOR SCHEDULE



MAXIMUM DOOR SIZE	WIDTH	HEIGHT
FIXED PANEL	48.75"	93.375"
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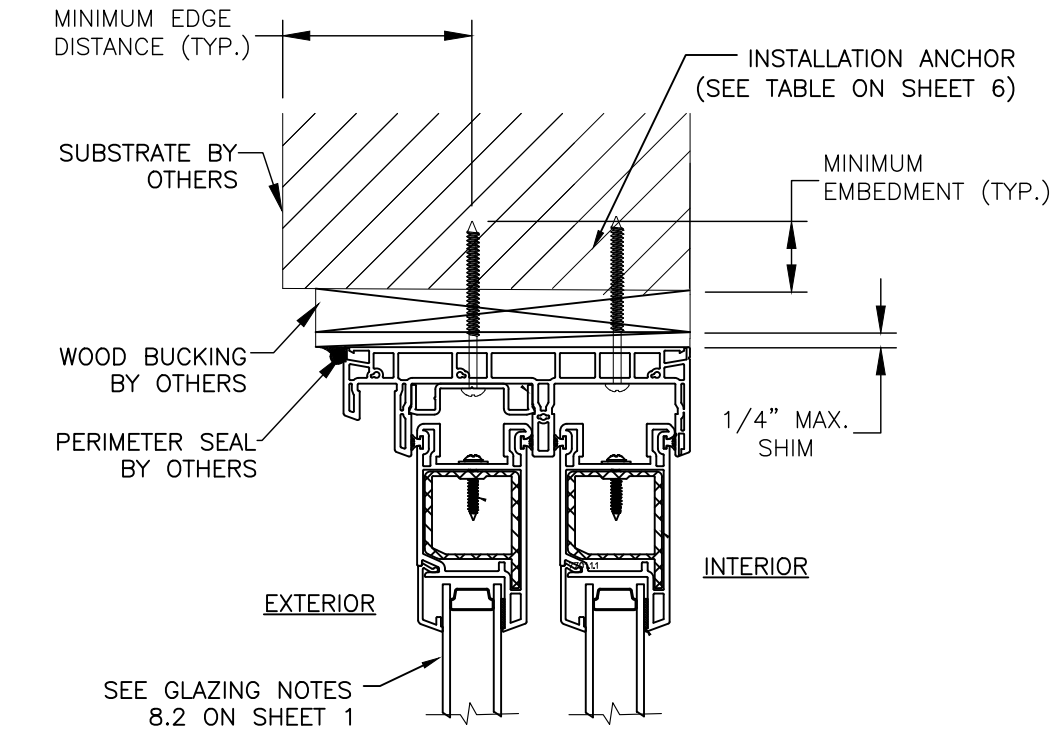
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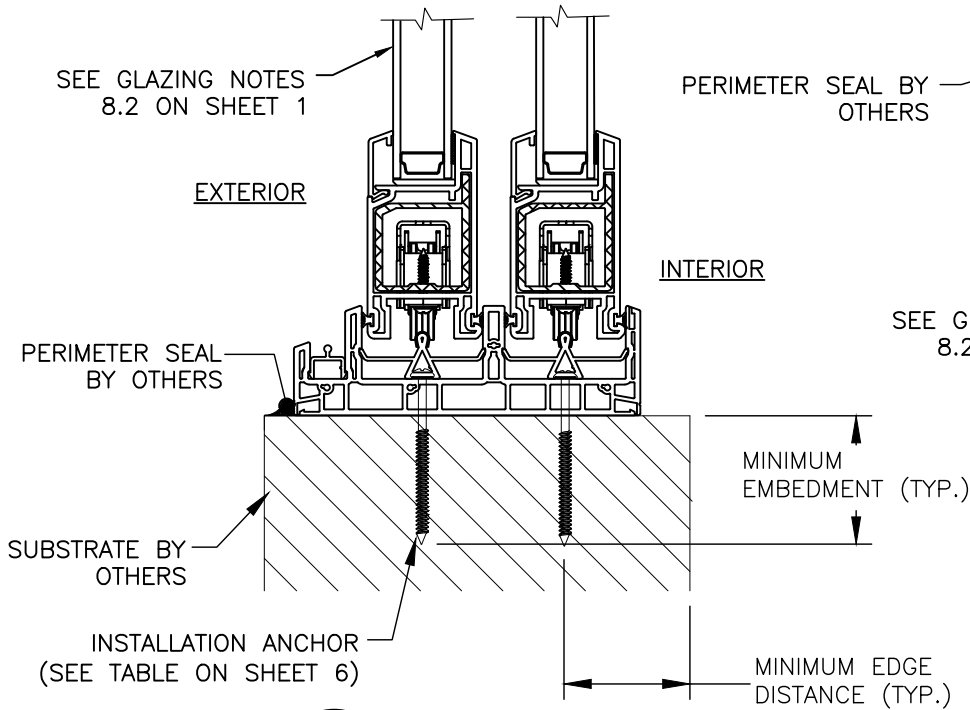
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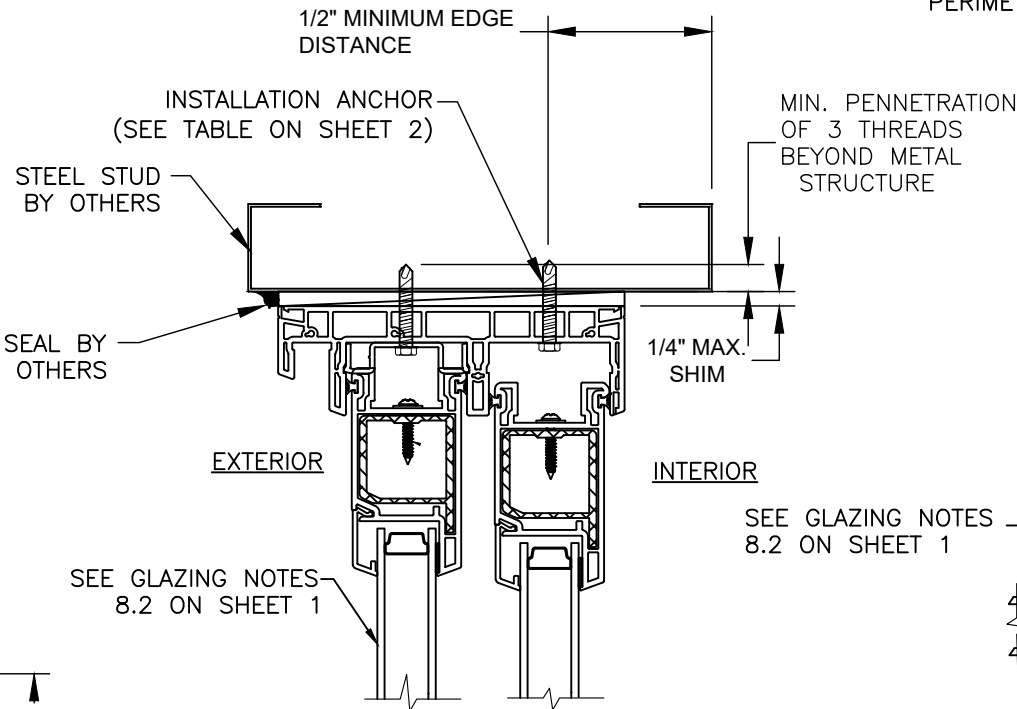
THROUGH FRAME (RETROFIT) ANCHOR DETAIL



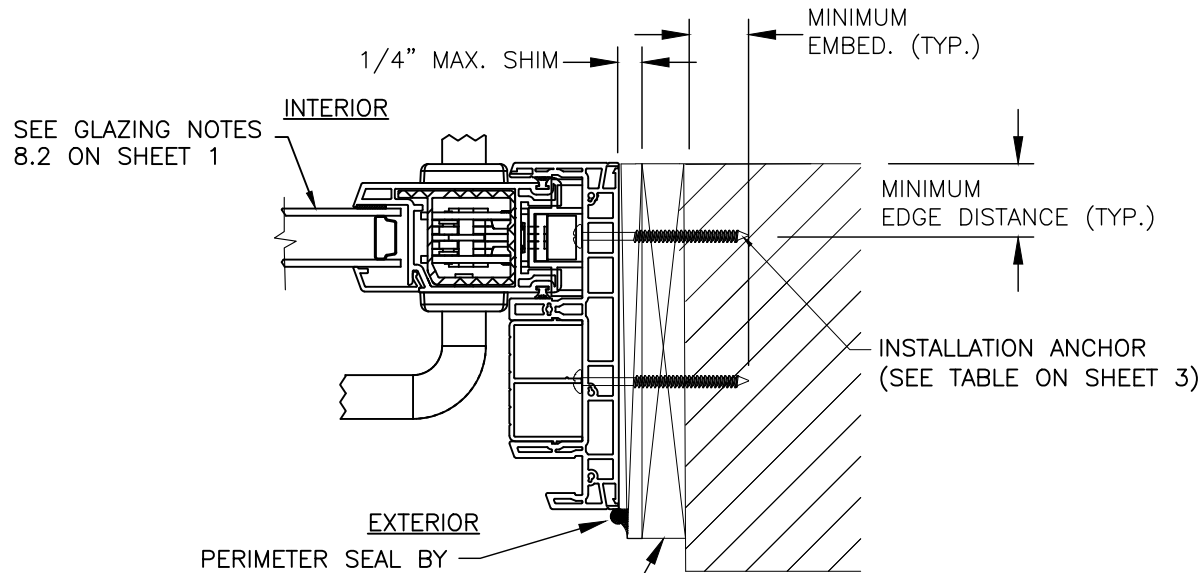
B
5 **ANCHOR DETAIL
THROUGH FRAME
FRAME HEAD**



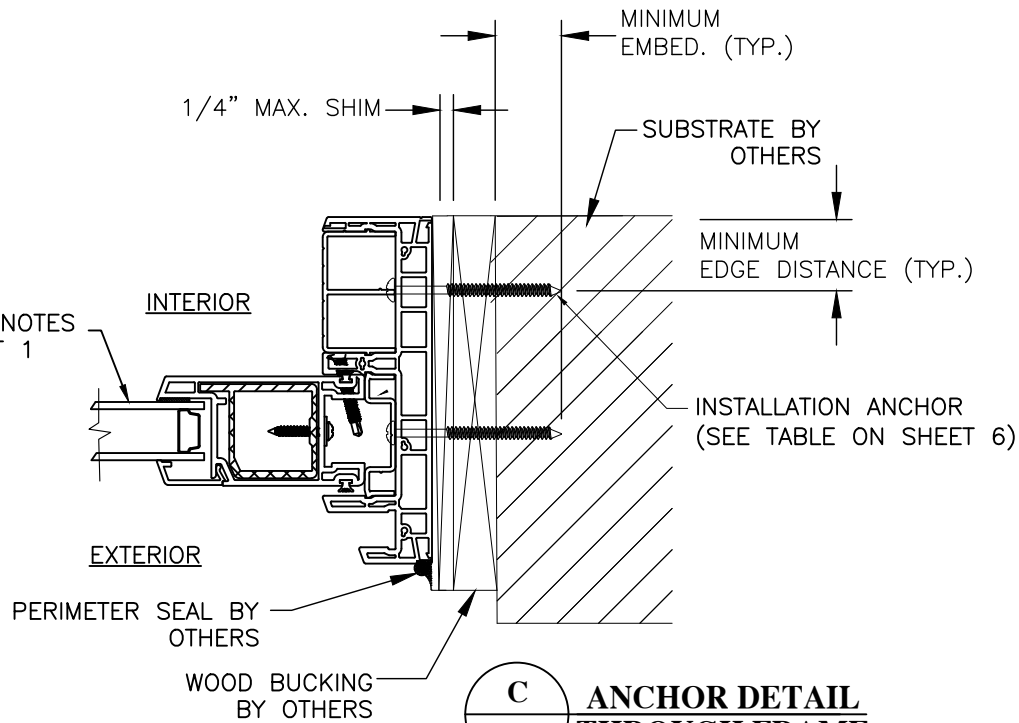
A
5 **ANCHOR DETAIL
THROUGH FRAME
FRAME SILL**



E
5 **VERTICAL SECTION
STEEL STUD STRUCTURE THROUGH
FRAME HEAD SHOWN, SILL & JAMBS
SIMILAR**



D
5 **ANCHOR DETAIL
THROUGH FRAME
FRAME JAMB-OPERABLE**



C
5 **ANCHOR DETAIL
THROUGH FRAME
FRAME JAMB-FIXED**

SERIES 5400 SGD	INSTALLATION ANCHORAGE DETAILS				
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SHT:	5 of 8

ANCHOR SCHEDULE
THROUGH (RETROFIT) FRAME

INSTALLATION ANCHOR SCHEDULE								
SUBSTRATE	INSTALLATION TYPE	SCREW HEAD TYPE (2)	SCREW SIZE	MANUFACTURER AND/OR SPECIFICATION	MIN. SPACING (IN)	MIN. EMBEDMENT (IN)	MIN. EDGE DISTANCE (IN)	ANCHOR CAPACITIES BASED ON SUBSTRATE STRENGTHS
CONCRETE	THROUGH FRAME (RETROFIT)	HEX OR PAN HEAD	3/16"	ITW TAPCONS(1)	3"	1-1/2"	1-1/8"	MIN. 2000 PSI CONCRETE
MASONRY (BLOCK/CMU)	THROUGH FRAME (RETROFIT)	HEX OR PAN HEAD	3/16"	ITW TAPCONS(1)	3"	1"	2"	STRENGTH CONFORMANCE TO ASTM C-90, MEDIUM WEIGHT
WOOD	THROUGH FRAME (RETROFIT)	PAN HEAD	NO. 10	ANSI B18.6.1 (WOOD SCREW)	3/4"	1-3/8"	3/4"	WOOD WITH A MINIMUM SPECIFIC GRAVITY OF 0.42 (NON-HVHZ).
	THROUGH FRAME (RETROFIT)		NO. 10	ASME B18.6.4 (TAPPING SCREW)	3/4"	1-3/8"	3/4"	
ASTM A-653 Grade 33 Steel Stud Substrate 20 ga.	THROUGH FRAME (RETROFIT) OR FIN FRAME (NAILING FIN)	PAN HEAD FOR THROUGH FRAME ---- TRUSS HEAD FOR FIN FRAME	NO. 10	ASME B18.6.4 (GRADE 5 TAPPING SCREW) Type AB Threads (requires pilot hole) or Self-Drilling (drill shaped point)	3/4"	At least three full threads protrude into the interior of the steel stud.	3/8"	ASTM A-653 Grade 33 Steel Stud Substrate 20 ga.
NOTES:								
(1) ITW (ADVANCED THREADFORM TECHNOLOGY) TAPCONS WILL BE USED FOR CONCRETE/MASONRY INSTALLATION.								
(2) HEX (CONCRETE/MASONRY) OR PAN HEAD PREFERRED. FLAT HEAD ACCEPTABLE OF THROUGH FRAME, NOT FIN FRAME. TRUSS HEAD REQUIRED WHERE INDICATED.								

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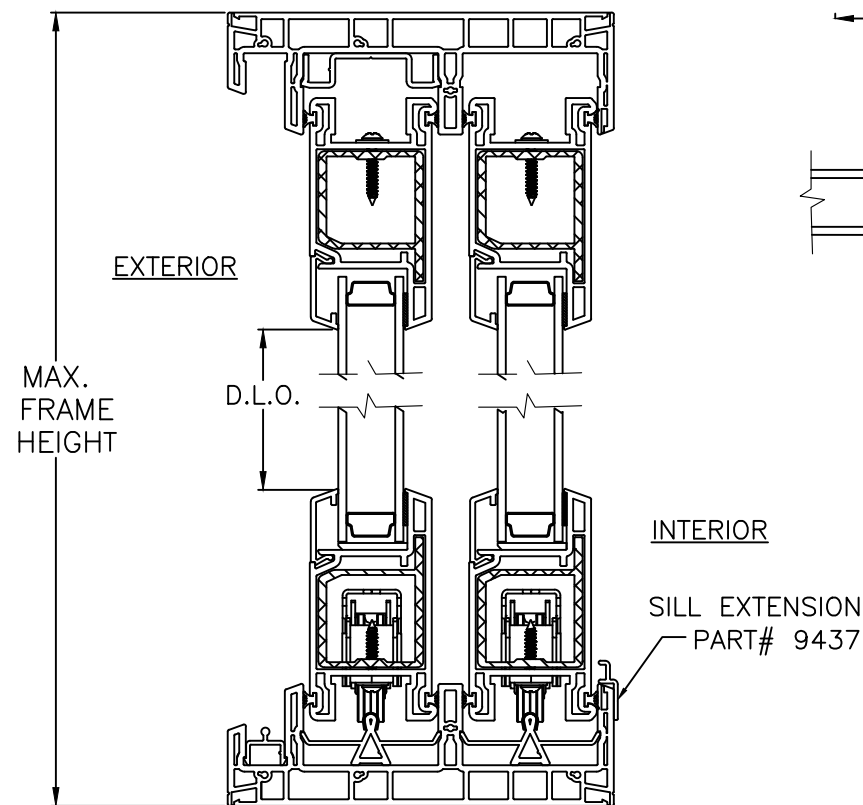
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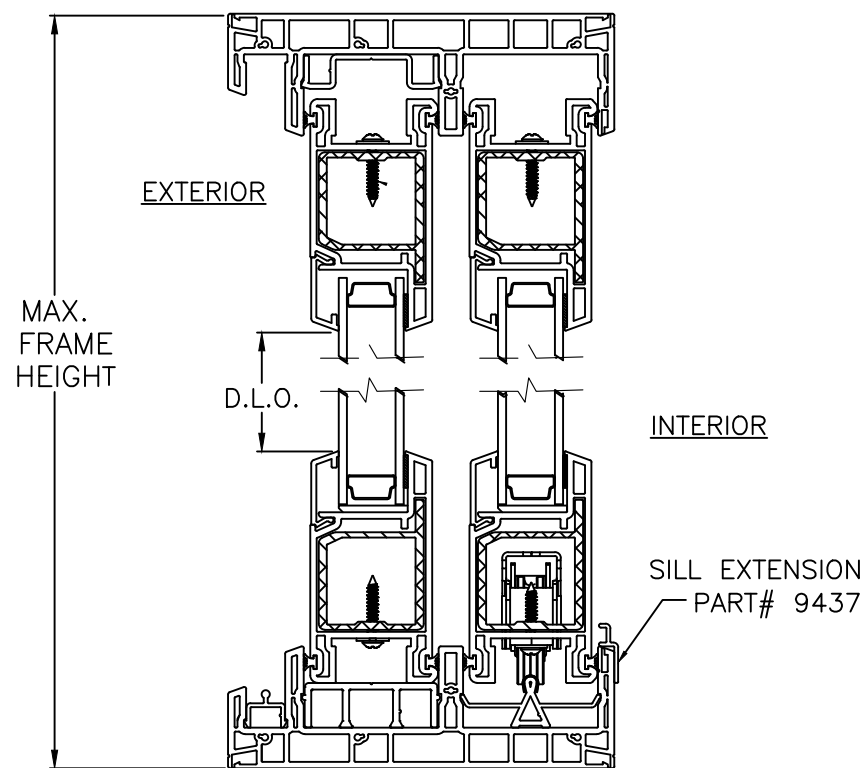
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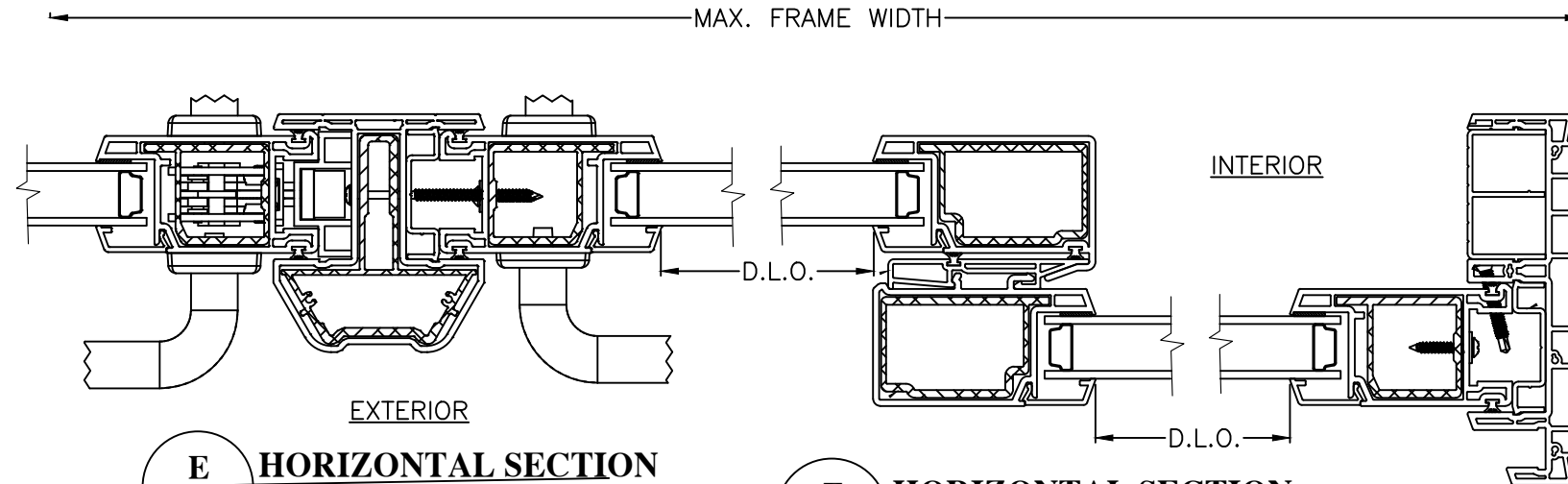
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B
7 **VERTICAL SECTION
MOVING PANELS-XX**



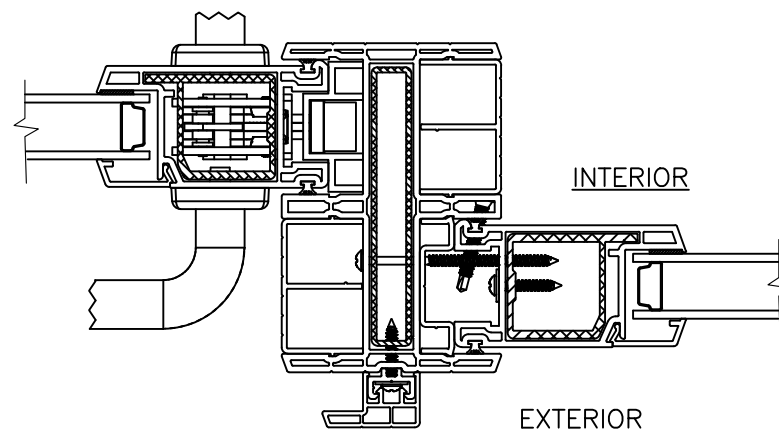
A
7 **VERTICAL SECTION
FIXED AND OPERABLE
PANELS-OX**



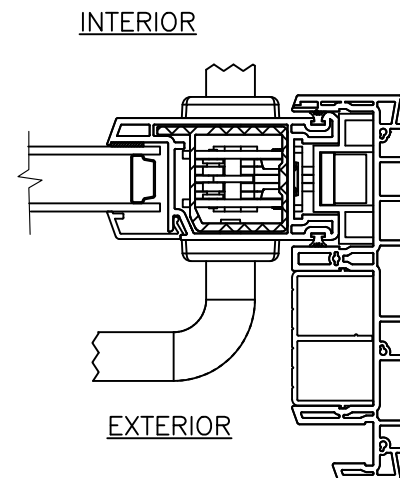
E
7 **HORIZONTAL SECTION
ASTRAGALS-OXXO**

F
7 **HORIZONTAL SECTION
INTERLOCKS**

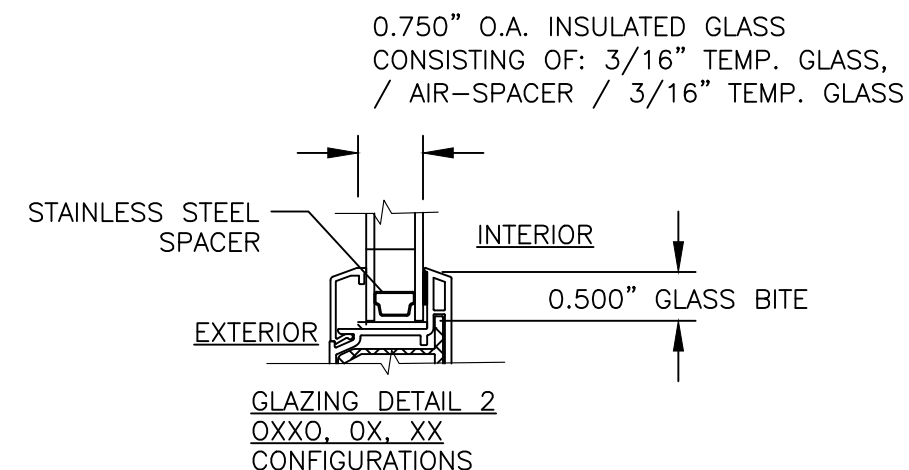
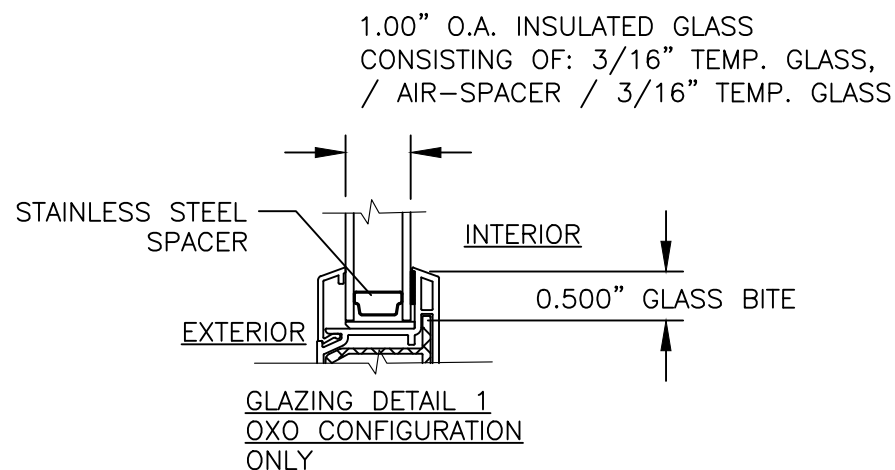
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7 **HORIZONTAL SECTION
FRAME JAMB-FIXED**



G
7 **HORIZONTAL SECTION
OXO ADAPTOR**



C
7 **HORIZONTAL SECTION
FRAME JAMB-OPERABLE**



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SERIES 5400 SGD INSTALLATION ANCHORAGE DETAILS

DATE:	DWN BY:	CHK BY:	SCALE:
06/03/2025	JM	RJA	NONE

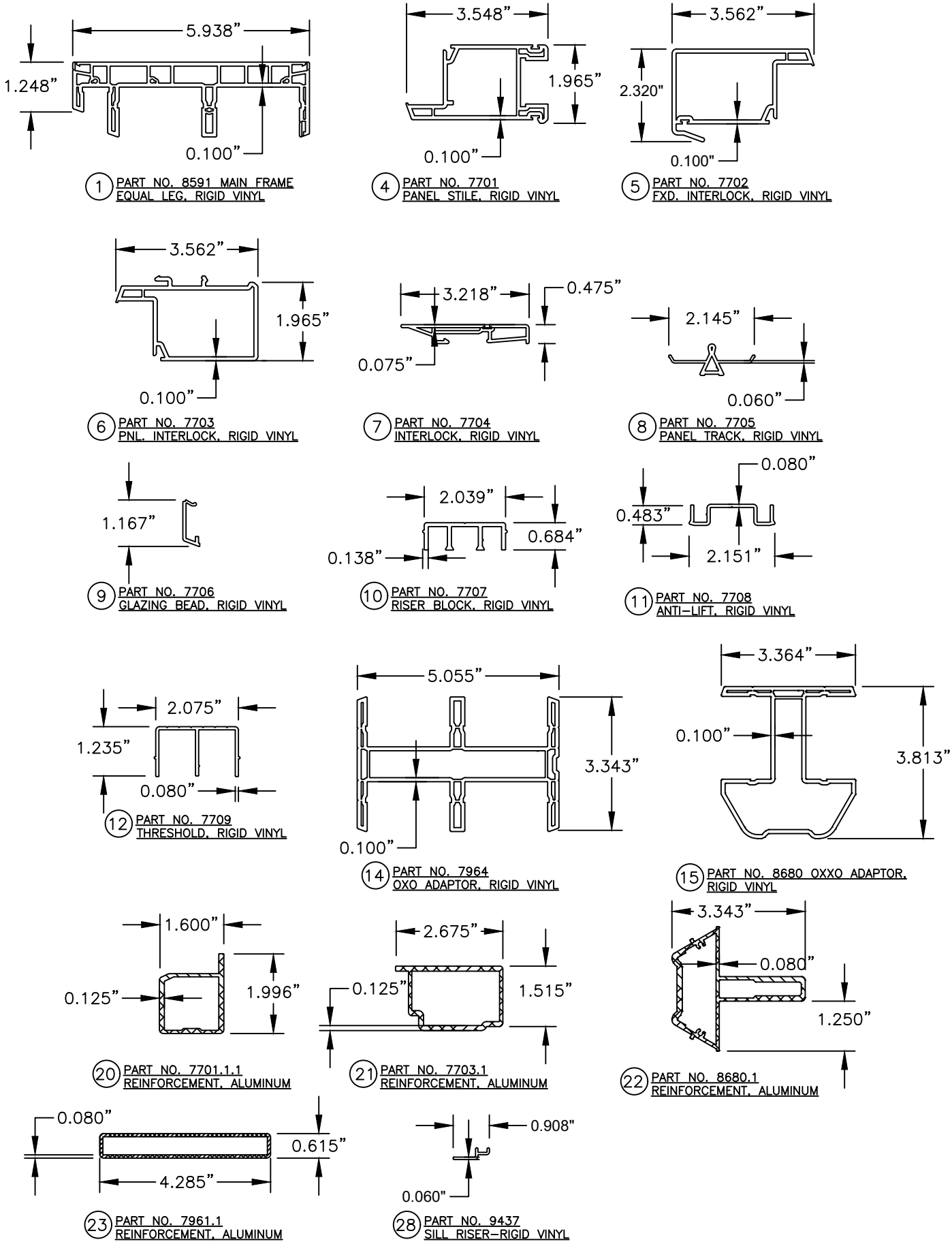
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PROJECT#: ACE-2025-206
DWG/REV: SCS-0041, Rev 0
SHT: 7 of 8

QTY.	PART NO.	DESCRIPTION	MANUFACTURER
1	8591	MAIN FRAME, RIGID VINYL	MIKRON
2	8593	FRAME, RIGID VINYL	MIKRON
3	8594	FRAME, RIGID VINYL	MIKRON
4	7701	PANEL STILE/RAIL, RIGID VINYL	MIKRON
5	7702	FIXED INTERLOCK, RIGID VINYL	MIKRON
6	7703	PANEL INTERLOCK, RIGID VINYL	MIKRON
7	7704	INTERLOCK, RIGID VINYL	MIKRON
8	7705	PANEL TRACK, RIGID VINYL	MIKRON
9	7706	GLAZING BEAD, RIGID VINYL	MIKRON
10	7707	RISER BLOCK, RIGID VINYL	MIKRON
11	7708	ANTI-LIFT, RIGID VINYL	MIKRON
12	7709	THRESHOLD, RIGID VINYL	MIKRON
13	6152	SETTING BLOCK, EPDM RUBBER	MIKRON
14	7964	OXO ADAPTOR, RIGID VINYL	MIKRON
15	8680	OXO ADAPTOR, RIGID VINYL	MIKRON
16	7556	SCREEN TRACK	PURCHASE
17	8036	BRACKET	PURCHASE
18	8037	SCREEN ADAPTOR	PURCHASE
19	8738	WELD SUPPORT	PURCHASE
20	7701.1.1	REINFORCEMENT, ALUMINUM 6063 T5	PURCHASE
21	7703.1	REINFORCEMENT, ALUMINUM 6063-T5	PURCHASE
22	8680.1	REINFORCEMENT, ALUMINUM 6063-T5	PURCHASE
23	7964.1	REINFORCEMENT, ALUMINUM 6063-T5	---
24	PURCHASE	PANEL TRACK CAP, S. STEEL	---
25	PURCHASE	0.270" X 187" PILE W/FIN WSTP.	---
26	PURCHASE	#10 P.PHD. WOOD SCREW	PURCHASE
27	PURCHASE	3/16" I.T.W. TAPCON ANCHOR	PURCHASE
28	PURCHASE	SILL RISER EXTENSION-RIGID VINYL	MIKRON



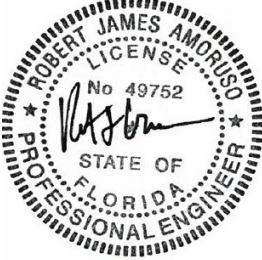
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SERIES 5400 SGD INSTALLATION ANCHORAGE DETAILS

NO.	REVISION DESCRIPTION	BY	DATE

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SHT:	8 of 8