

ORIGIN OS44 SLIDING GLASS DOORS – NON-IMPACT

SHEET	DESCRIPTION
1.....	ELEVATIONS, GEN. NOTES, DESIGN PRESSURE TABLE, TYPICAL GLAZING DETAIL
2.....	SECTION DETAILS
3.....	ANCHORAGE DETAILS, NOTES
4.....	B.O.M., PART DRAWINGS

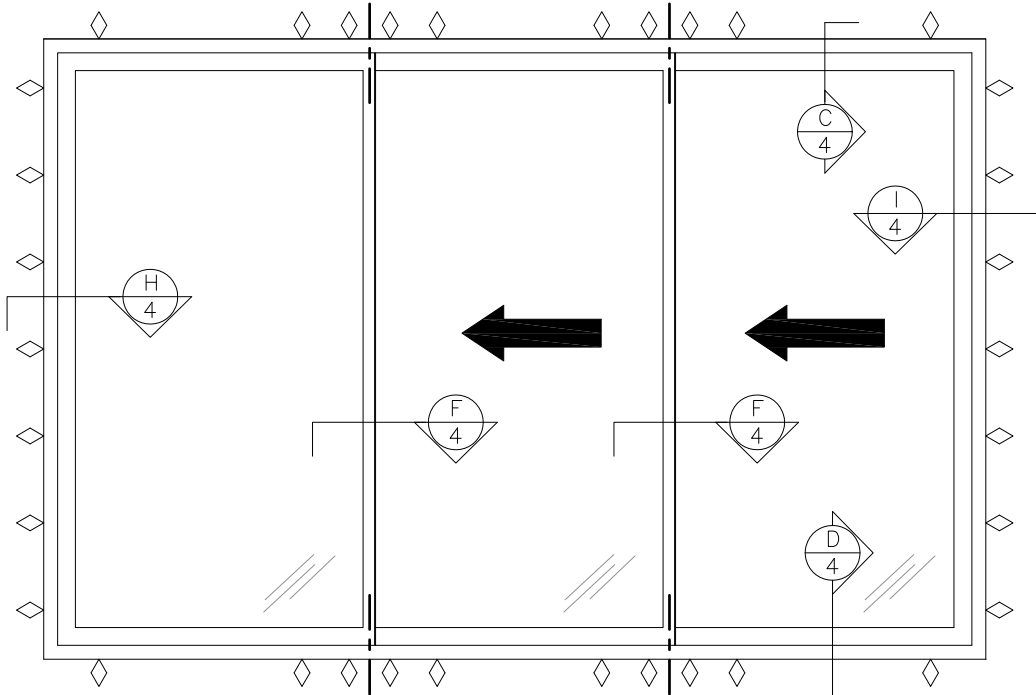
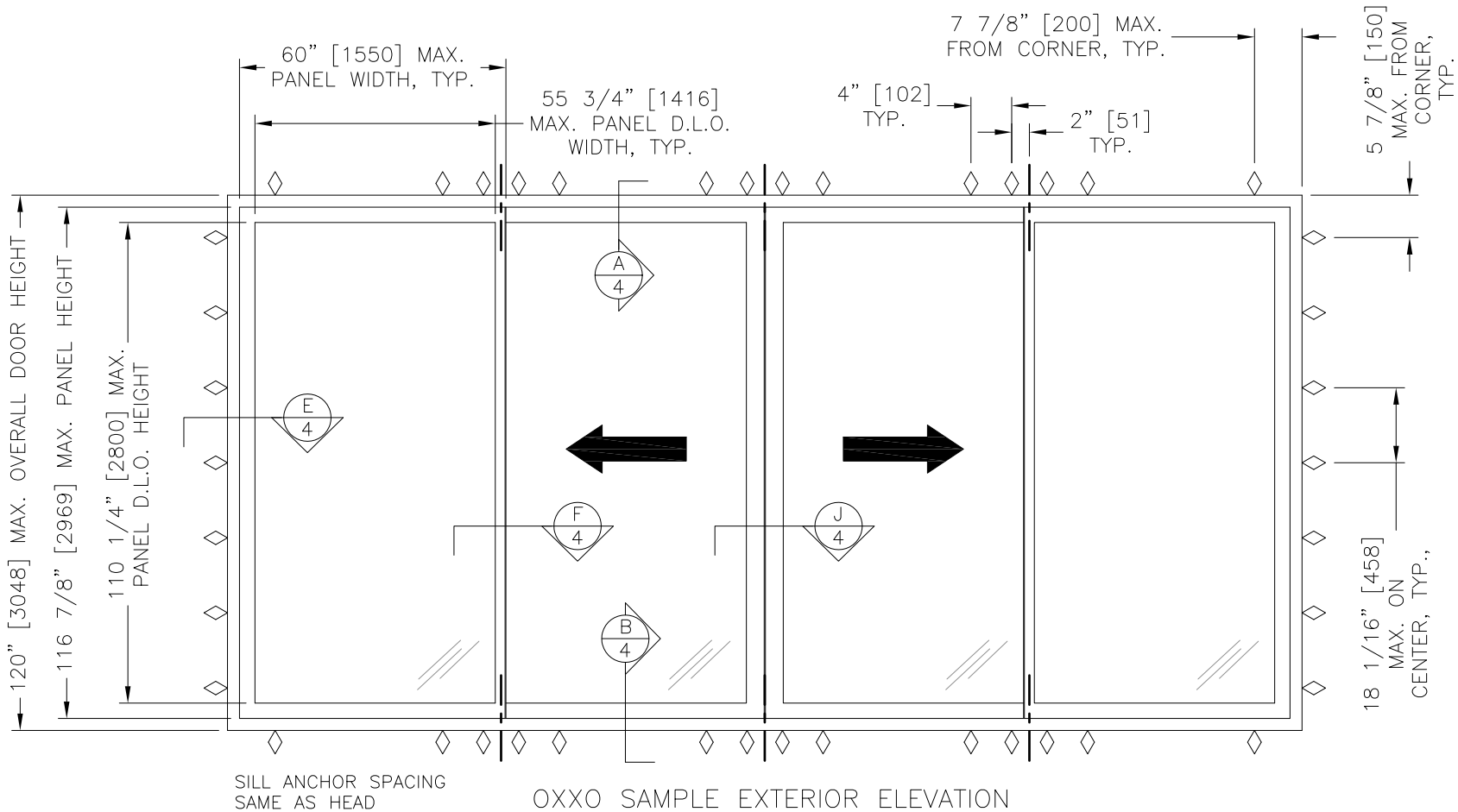
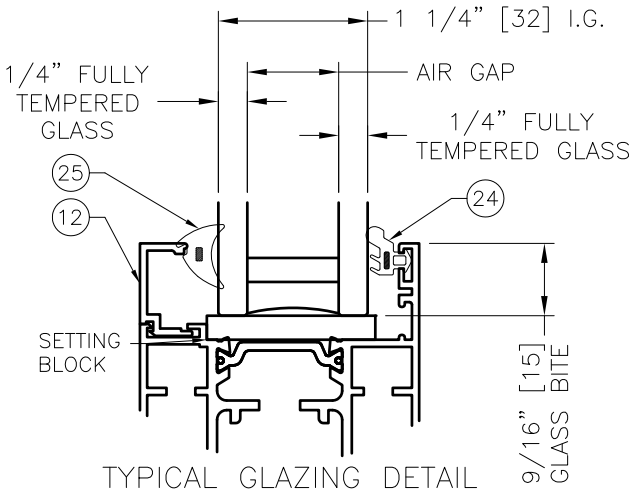


		Table 1. Allowable Design Pressures (psf)						
		Overall Door Height (in.)						
		80	84	90	96	102	108	120
Panel Width (in.)	24	+15.0/-30.0	+15.0/-30.0	+15.0/-30.0	+15.0/-30.0	+15.0/-30.0	+15.0/-30.0	+15.0/-30.0
	30	+15.0/-30.0	+15.0/-30.0	+15.0/-30.0	+15.0/-30.0	+15.0/-30.0	+15.0/-29.0	+15.0/-25.7
	36	+15.0/-30.0	+15.0/-30.0	+15.0/-30.0	+15.0/-28.8	+15.0/-26.8	+15.0/-25.0	+15.0/-22.1
	42	+15.0/-30.0	+15.0/-30.0	+15.0/-28.0	+15.0/-25.7	+15.0/-23.8	+15.0/-22.2	+15.0/-19.5
	48	+15.0/-23.4	+15.0/-23.4	+15.0/-23.4	+15.0/-23.4	+15.0/-21.6	+15.0/-20.1	+15.0/-17.6
	54	+15.0/-18.5	+15.0/-18.5	+15.0/-18.5	+15.0/-18.5	+15.0/-18.5	+15.0/-18.5	+15.0/-16.1
	60	+15.0/-15.0	+15.0/-15.0	+15.0/-15.0	+15.0/-15.0	+15.0/-15.0	+15.0/-15.0	+15.0/-15.0



GENERAL NOTES

- THIS PRODUCT, FABRICATED AND ANCHORED AS DETAILED IN THIS DRAWING, IS NON-IMPACT RESISTANT AND REQUIRES THE USE OF IMPACT PROTECTIVE DEVICES (SHUTTERS) IN WINDBORNE DEBRIS REGIONS.
- THIS PRODUCT HAS BEEN TESTED TO AAMA/WDMA/CSA 101/I.S.2/A440-17, AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, CURRENT EDITION, NOT INCLUDING THE HIGH VELOCITY HURRICANE ZONE.
- ALLOWABLE CONFIGURATIONS: XX, XO, OX, XXX, OXX, XXO, OXXO
- THE DESIGN PRESSURE RATINGS AS SHOWN IN TABLE 1 ARE AS LIMITED BY ASTM E-1300 GLASS TABLES, TESTED WATER AND STRUCTURAL PRESSURES, AND COMPARATIVE ANALYSIS.
- THE 4/3 ALLOWABLE STRESS INCREASE FACTOR (SHORT-TERM INCREASE FACTOR) HAS NOT BEEN USED IN THE ANCHOR ANALYSIS FOR THIS SYSTEM. THE 1.6 Cd FACTOR WAS USED IN THE ANALYSIS OF ANCHORAGE INTO WOOD SUBSTRATE.
- INSTALLATION OF 1X OR 2X WOOD BUCKS TO THE SUBSTRATE TO BE ENGINEERED BY OTHERS OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION (A.H.J.). BUCKING, OPENINGS, & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED BY OTHERS IN ACCORDANCE WITH THE FBC TO TRANSFER SUPERIMPOSED LOADS TO THE STRUCTURE. ADEQUACY OF THE STRUCTURE TO RECEIVE THESE LOADS SHALL BE VERIFIED BY THE CONTRACTOR OR A.H.J.
- DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE COATED OR OTHERWISE PROTECTED PER FBC CHAPTER 20 TO PREVENT GALVANIC REACTIONS. WOOD BUCKS, IF USED, SHALL BE PRESSURE TREATED, WITH EITHER A TREATMENT OR COATING COMPATIBLE WITH 6063-T5. ALL ANCHORS USED SHALL BE OF A MATERIAL OR HAVE A COATING COMPATIBLE WITH THE PRESSURE TREATED WOOD BUCKS AND ALL OTHER WINDOW MATERIALS.
- ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS, OR AS APPROVED, SIGNED, AND SEALED BY A FLORIDA-REGISTERED PROFESSIONAL ENGINEER ON A SITE-SPECIFIC BASIS.
- SEALING AND FLASHING STRATEGIES FOR OVERALL WATER INFILTRATION RESISTANCE OF THE INSTALLED PRODUCT SHALL BE THE RESPONSIBILITY OF OTHERS AND IS NOT ADDRESSED BY THIS DOCUMENT.



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LAT

DATE:

8/11/21

SCALE:

NTS

REVISION:

A: 2023 UPDATE

DRAWING #

FPA-OS44

SHEET DESCRIPTION

NOTES, ELEV.,
DP TABLE,
TYP. GLAZING

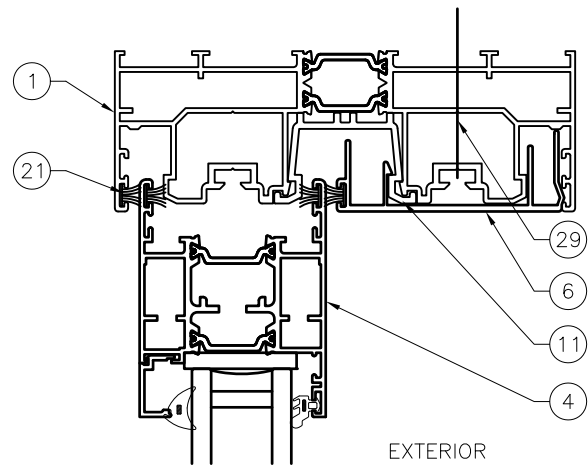
SHEET
1 of 4

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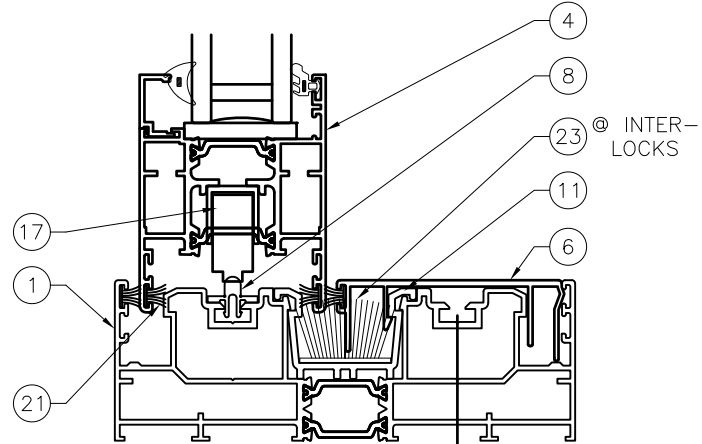
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FL PE # 58201
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2428 OLD NATCHEZ TRC. TRL.
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A
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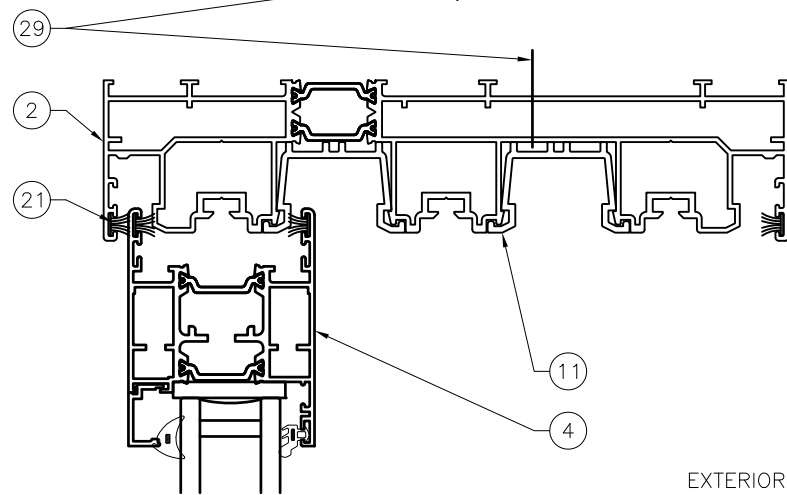
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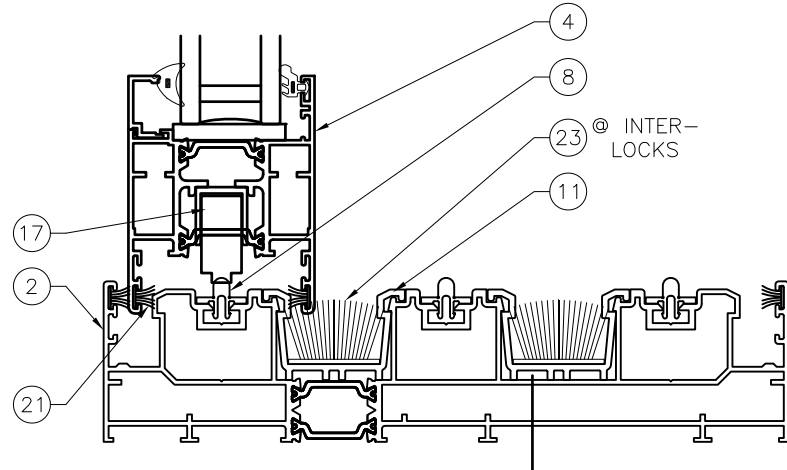
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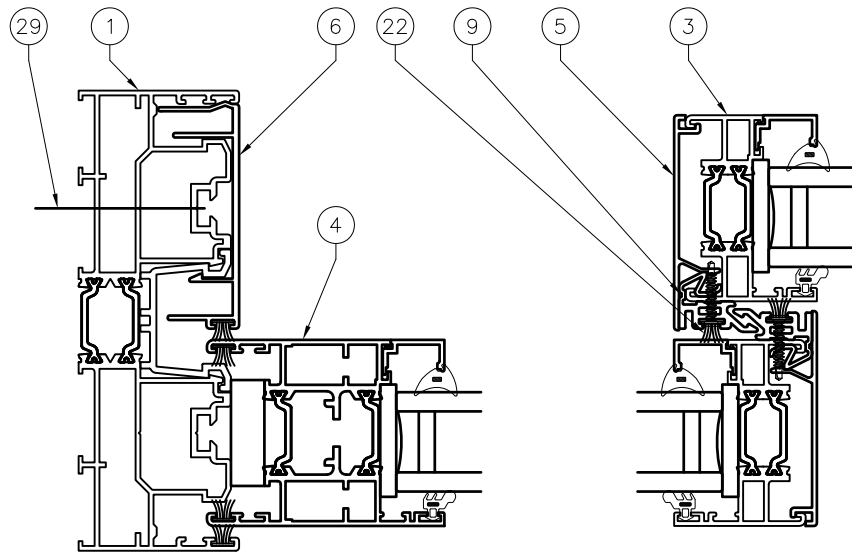


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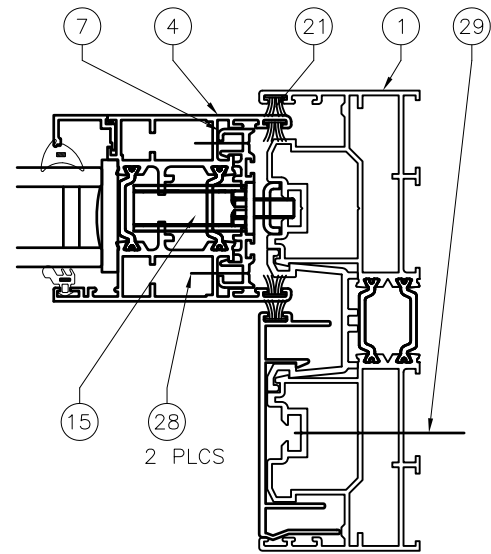


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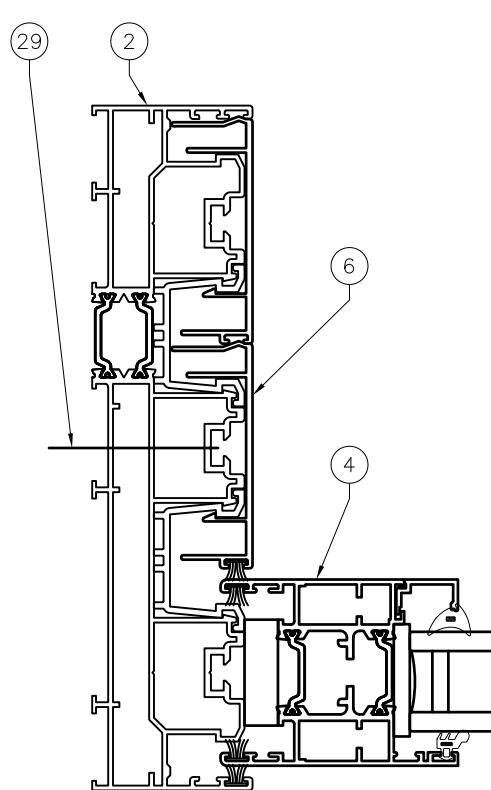
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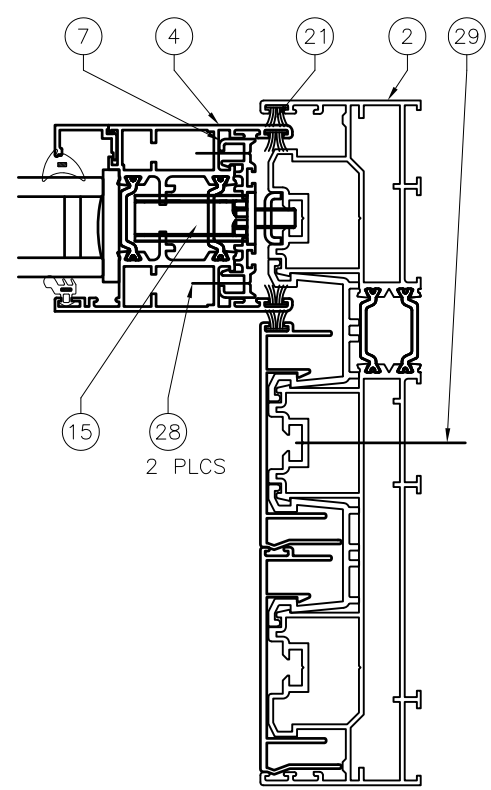
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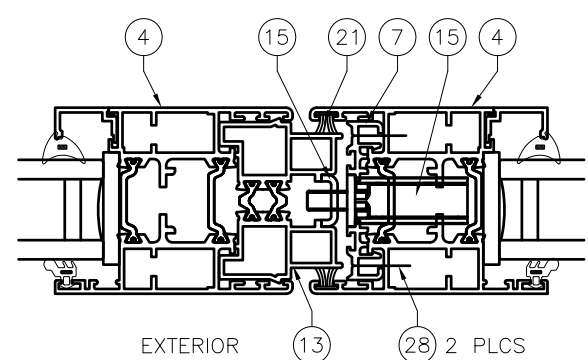
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EXTERIOR



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EXTERIOR

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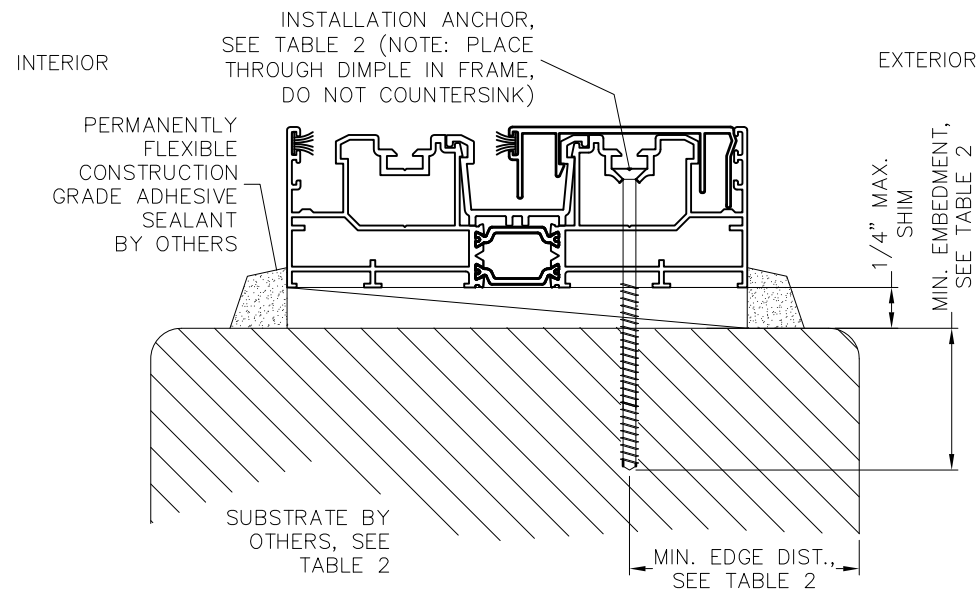
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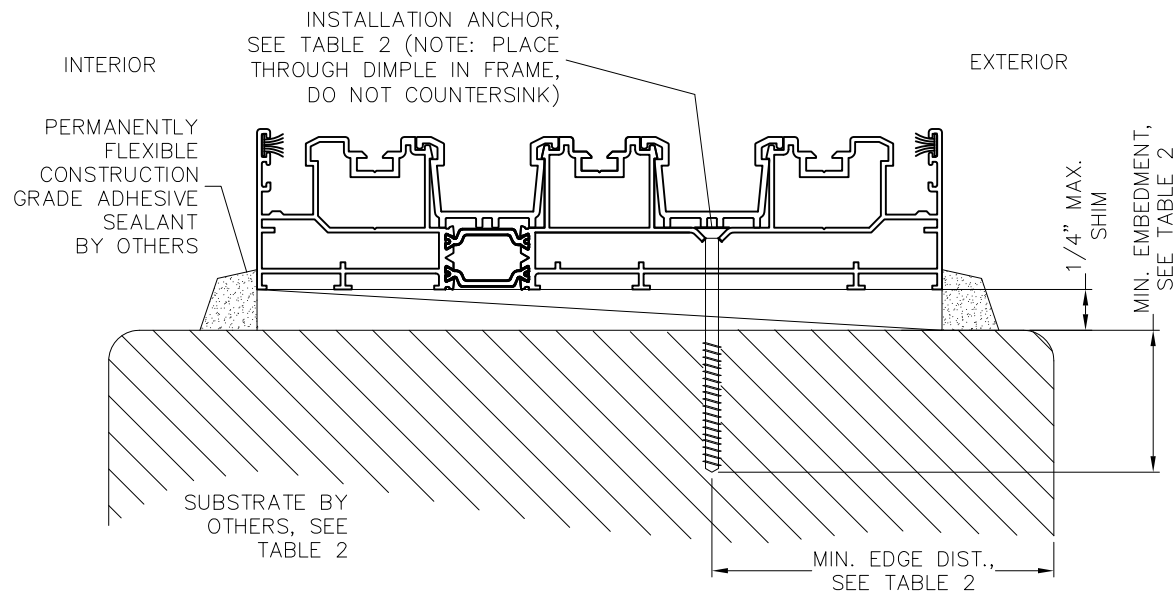
SHEET DESCRIPTION

SECTION
DETAILS

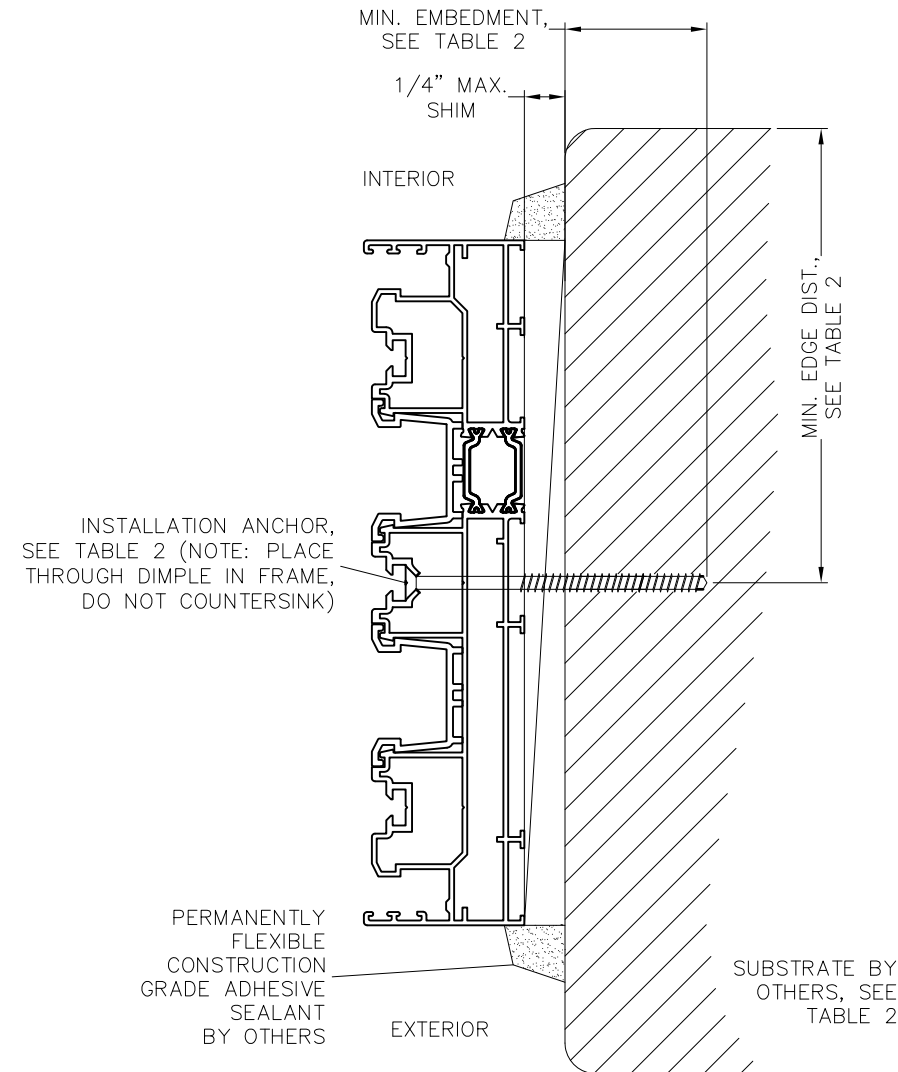
SHEET
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TYPICAL INSTALLATION AT DOUBLE
FRAME HEAD, SILL, AND JAMB



TYPICAL INSTALLATION AT TRIPLE FRAME HEAD AND SILL



TYPICAL INSTALLATION AT TRIPLE FRAME JAMB

TABLE 2: INSTALLATION ANCHOR REQUIREMENTS TABLE

SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED	MIN. EDGE DIST.
CONCRETE (2.0 KSI MIN)	1/4" ITW TAPCON W/ ADVANCED THREADFORM TECH.	1"	1 1/2"
HOLLOW OR GROUT-FILLED CMU (117 PCF MIN.)	1/4" ITW TAPCON W/ ADVANCED THREADFORM TECH.	1"	2"
CONCRETE (3.05 KSI MIN.)	1/4" DEWALT ULTRAON+	1-3/8"	1"
HOLLOW OR GROUT-FILLED CMU (ASTM C90)	1/4" DEWALT ULTRAON+	1-1/4"	1"
2X MIN. SPRUCE-PINE-FIR WOOD (G=0.42)	#12 GRADE 5 WOOD SCREW	1-3/8"	1"
16 GAUGE (0.060") MIN. STEEL STUD 33KSI YIELD MIN.	#12-24 ITW TEKS SELF-DRILLING SCREW	SEE ANCHOR NOTE 5	1/2"
1/8" ALUM. 6063-T5 MIN. OR 1/8" STEEL 36 KSI MIN.	#12 GRADE 5 SELF-TAPPING/ DRILLING SCREW	SEE ANCHOR NOTE 5	1/2"

GENERAL ANCHOR NOTES:
1. INSTALL ONE ANCHOR AS SHOWN ABOVE AND IN DETAILS ON SHEET 2, AT EACH LOCATION SHOWN IN THE ELEVATIONS ON SHEET 1 FOR PRODUCT PERIMETER. USE ANCHORS APPROPRIATE FOR SUBSTRATE TYPE (SEE TABLE 2, THIS SHEET).
2. INSTALL SHIMS AT EACH ANCHOR LOCATION WHERE A GAP OF 1/16" OR GREATER EXISTS BETWEEN PRODUCT FRAME AND SUBSTRATE.
3. SHIMS SHALL BE LOAD-BEARING (PLASTIC OR METALLIC) AND CAPABLE OF TRANSFERRING LOADS TO SUBSTRATE.
4. SPECIFIED ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL FINISH OR STUCCO.
5. FOR INSTALLATION TO METAL SUBSTRATES, ANCHORS SHALL BE LONG ENOUGH TO BE FULLY THREADED THROUGH THE METAL THICKNESS WITH AN ADDITIONAL 3/16" MIN. OF THREADS BEYOND.
6. A MINIMUM CENTER-TO-CENTER SPACING OF 4" SHALL BE MAINTAINED BETWEEN ALL CONCRETE OR CMU ANCHORS IN ANY DIRECTION. CONCRETE/MASONRY SUBSTRATES SHALL NOT BE CRACKED.



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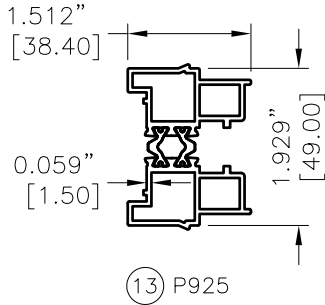
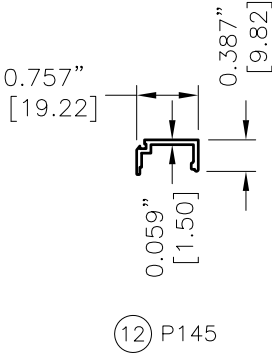
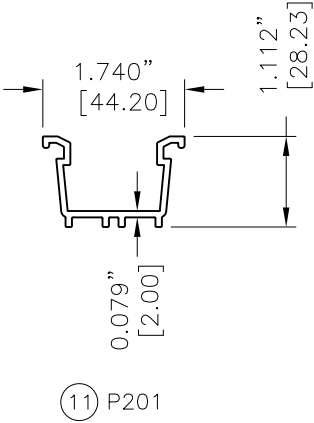
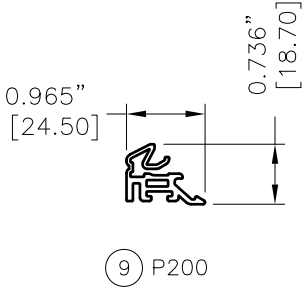
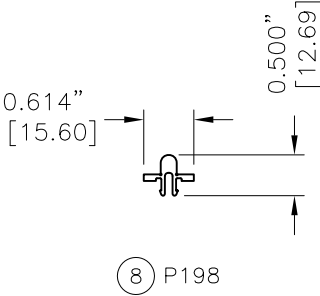
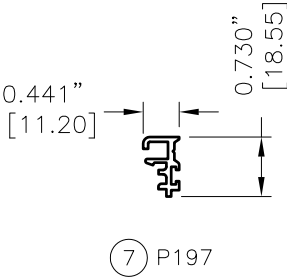
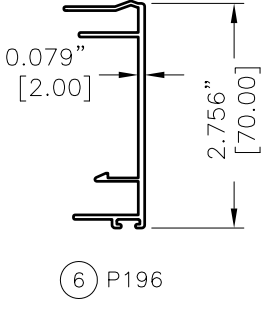
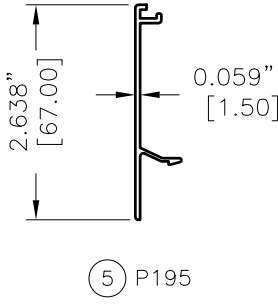
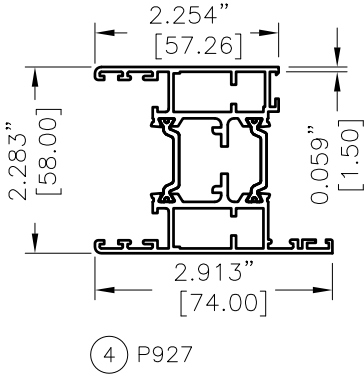
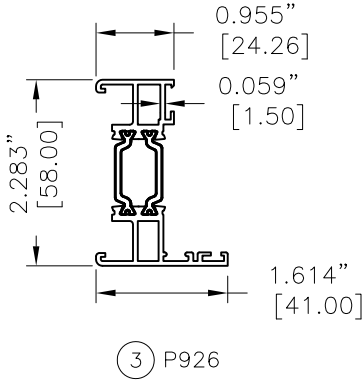
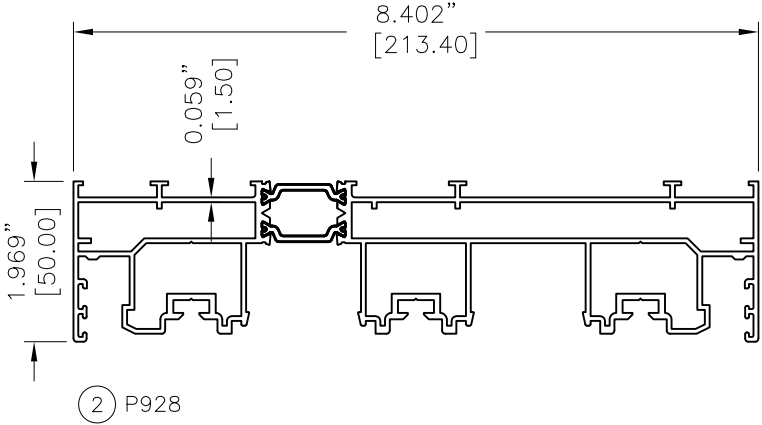
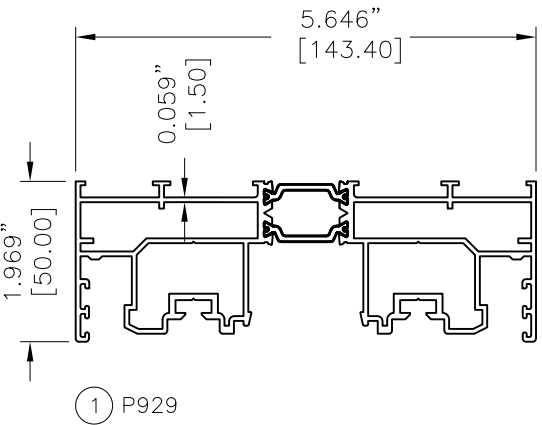
SHEET DESCRIPTION

INSTALLATION
DETAILS

SHEET
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BILL OF MATERIALS

Detail Number:	Part Number:	Supplier:	Part Identification:	Material:
1	P929	CORTIZO	DOUBLE FRAME	ALUMINIUM 6063 T5
2	P928	CORTIZO	TRIPLE FRAME	ALUMINIUM 6063 T5
3	P926	CORTIZO	SLIM SASH	ALUMINIUM 6063 T5
4	P927	CORTIZO	STANDARD SASH	ALUMINIUM 6063 T5
5	P195/P015	CORTIZO	INTERLOCK COVER	ALUMINIUM 6063 T5
6	P196/P016	CORTIZO	FRAME COVER	ALUMINIUM 6063 T5
7	P197/P014	CORTIZO	LOCK CENTRALISER	ALUMINIUM 6063 T5
8	P198/P013	CORTIZO	PATIO TRACK RUNNER	ALUMINIUM 6063 T5
9	P200	STAC	SLIM INTERLOCK	PVC
10	NOT USED			
11	P201	STAC	FRAME INSERT	PVC
12	P145	CORTIZO	BEAD 36MM / 32MM	ALUMINIUM 6063 T5
13	P925	CORTIZO	SECONDARY LOCKSTILE	ALUMINIUM 6063 T5
14	NOT USED			
15	L183/184/190/191/195/196	INGENIOUS	LOCKS/KEEPS/SHOOTBOLTS	STEEL/ZINC
16	Z-ORIGIN-KM920	COASTAL	ALL-IN-ONE HANDLE	316 STAINLESS STEEL
17	X232	CIILOCK	100KG ROLLER	STEEL/NYLON
18	X208	STAC	SASH CLEAT	ALUMINIUM 6063 T5
19	X209	MONTICELLI	FRAME CLEAT	ZINC CAST
20	X234	TBC	SLIM JOINING BLOCK	NYLON
21	G00136	PLASTECH	7.5MM BRUSH PILE	PP/PP YARN
22	G00142/141	SCHLEGEL	9MM BRUSH PILE / CARRIER	PP/PP YARN / PVC
23	G00140	SCHLEGEL	DUST PLUG	PP/PP YARN
24	G00004	PLASTECH	REBATE E3434 GLAZ. GASKET	TPE
25	G00037	PLASTECH	WEDGE W473P GLAZ. GASKET	TPE
26	C00135	STAC	SMALL CHEVRON	ALUMINIUM 6063 T5
27	C00522	CORTIZO	FACE DRAINAGE CAP	PVC
28	C00235	MONTROSE	3.9MM CENTRALISER SCREW	ZINC COATED STEEL
29	INSTALLATION FASTENER, SEE TABLE 2, SHEET 3			



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BOM, PART
DRAWINGS

SHEET
4 of 4