

BRAZILIAN OAK ENTRANCE DOOR

FBC PRODUCT APPROVAL DRAWINGS

ANCHORAGE SCHEDULE AND DESCRIPTION				
SUBSTRATE	ANCHOR	EMBEDMENT	ANCHOR SPACING	EDGE DISTANCE
WOOD FRAMING	#14 WOOD SCREW	MINIMUM 1-1/2"	MINIMUM 1-1/2"	MINIMUM 2"
CONCRETE	1/4" TAPPER	MINIMUM 1-3/8"	MINIMUM 2-1/2"	MINIMUM 2-1/2"
CONCRETE	1/4" TAPCON	MINIMUM 1-1/4"	MINIMUM 2-1/2"	MINIMUM 2-1/2"
CONCRETE	1/4" CRETE-FLEX	MINIMUM 1-1/4"	MINIMUM 2-1/2"	MINIMUM 2-1/2"
STEEL STUD	#14-20 GR 2 SMS	MINIMUM 1"	MINIMUM 1-1/2"	MINIMUM 2"

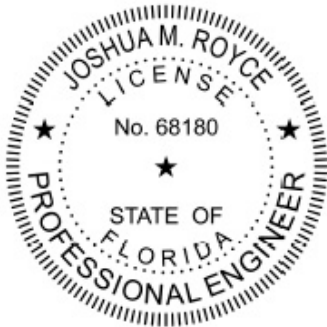
DESIGN PRESSURE RATING	IMPACT RATING	WATER INFILTRATION
+/-45.0	LARGE MISSILE	0.00 PSF
+19.0 / -45.0 (SEE NOTE #10)	LARGE MISSILE	2.86 PSF

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OVERALL SIZE:
36" x 96" (SINGLE DOOR)

MAXIMUM D.L.O.:
23" X 77" (DOOR)
15" X 95" (SIDELITE)



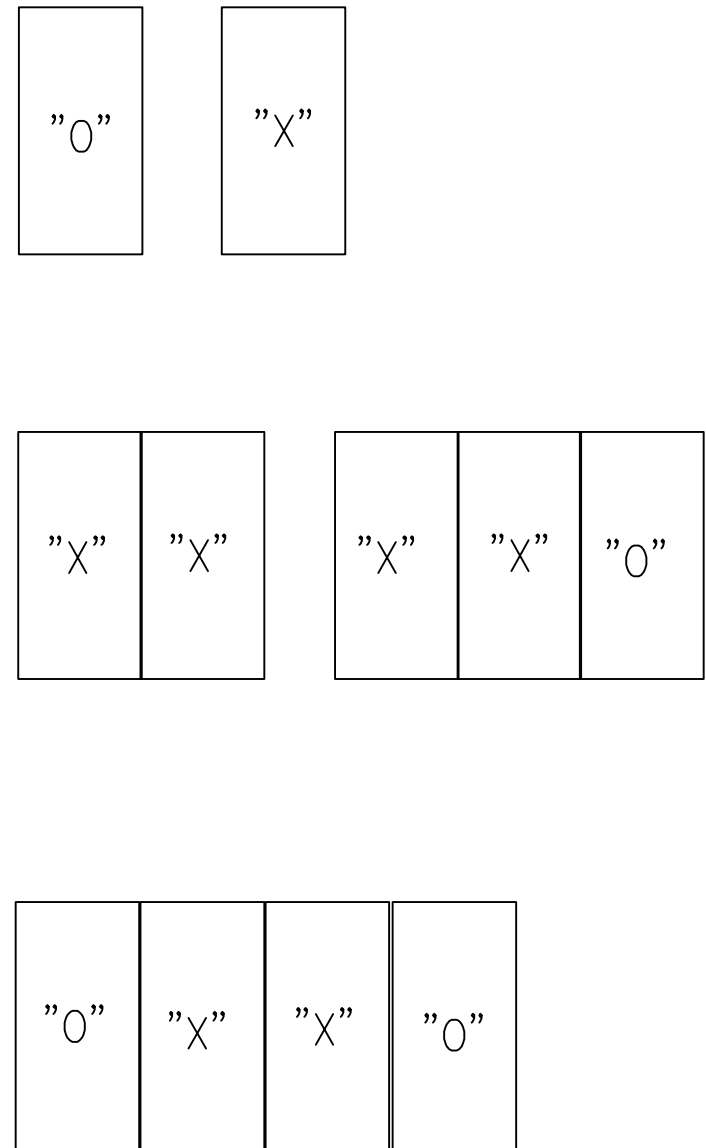
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For Electronic Submissions

Josh Royce
Digital Signed by: Josh Royce
04/19/2024 11:50:40 AM CDT

NOTES:

1. THE PRODUCT ILLUSTRATED SATISFIES THE REQUIREMENTS FOR THE 2023 FLORIDA BUILDING CODE INCLUDING HVHZ.
2. THE INSTALLATION DRAWINGS DEPICTED WITHIN ARE NECESSARY TO MEET THE STRUCTURAL LOAD REQUIREMENTS. PLEASE SEE THE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR SEALING, FLASHING AND DRAINAGE REQUIREMENTS.
3. THIS PRODUCT IS LARGE MISSILE IMPACT RESISTANT AND THEREFORE AN APPROVED IMPACT PROTECTION SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IF IT IS INSTALLED IN A WIND BORNE DEBRIS AREA.
4. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4". SHIM ALL SPACES IN EXCESS OF 1/16".
5. WOOD FRAMING INSTALLATIONS ARE ASSUMED TO BE 2X S-P-F (G=0.42) OR DENSER. WOOD FRAMING SHALL BE GREATER THAN THE WINDOW FRAME WIDTH. TAPERED OR PARTIAL WOOD BUCKS ARE NOT ALLOWED. FOR INSTALLATION INTO WOOD FRAMING USE #14 WOOD SCREWS WITH SUFFICIENT LENGTH TO OBTAIN A 1-1/2" PENETRATION. ANCHORS SHALL BE LOCATED AS DESCRIBED IN THE ELEVATION DETAIL.
6. CONCRETE INSTALLATIONS ASSUME A MINIMUM COMPRESSIVE STRENGTH FOR CONCRETE OF 3,200 PSI . USE A 1/4" ITW TAPCON, A 1/4" POWERS TAPPER OR A 1/4" CRETE-FLEX SS4 ANCHOR FOR INSTALLATION INTO CONCRETE. THE ANCHOR SHALL HAVE A MINIMUM OF 1-1/4" EMBEDMENT. PLEASE SEE TABLE FOR EMBEDMENT REQUIREMENTS FOR EACH ANCHOR. ANCHORS SHALL BE LOCATED AS DESCRIBED IN THE ELEVATION DETAIL.
7. METAL FRAMING INSTALLATION SHALL BE A MINIMUM OF 16 GAUGE 33 KSI STRENGTH METAL. USE A #14 GRADE 2 SMS WITH SUFFICIENT LENGTH TO ACHIEVE FULL PENETRATION OF THE METAL FRAMING AND EMBED 1/4" BEYOND THE DRILL POINT.
8. CORROSIVE RESISTANT FASTENERS SHALL BE USED.
9. DOOR FRAME MATERIAL SHALL BE SOLID BRAZILIAN OAK WITH THRESHOLD BEING EXTRUDED FROM 6063-T5 ALUMINUM.
10. LIMITED DESIGN PRESSURE FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED BY THE DOOR (+19/-45 PSF), UNLESS UNITS ARE INSTALLED IN A NON-HABITABLE AREA WHERE THE UNIT AND THE AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION. UNITS SHALL BE INSTALLED ONLY AT LOCATIONS PROTECTED BY A CANOPY OR OVERHANG SUCH THAT THE ANGLE BETWEEN THE EDGE OF THE CANOPY OR OVERHANG TO THE SILL IS LESS THAN 45 DEGREES IN ORDER TO MEET THE FULL DESIGN PRESSURE (+/- 45 PSF).
11. ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN, WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
12. UNITS SHALL BE INSTALLED AS DESCRIBED IN THESE INSTALLATION INSTRUCTIONS AND ALSO IN CONFORMANCE TO THE MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.

REVISIONS		MATERIAL		DOORS CRAFTER CO. 1100 N. 50TH ST. B2-C TAMPA, FL 33619	SCALE NTS	
		EST. AREA			DWG NO. 100846D	
3	01/10/24 – REVISED TO FBC 2023	EST. WT.		BRAZILIAN OAK DOOR FBC INSTALLATION DRAWINGS GENERAL NOTES	SHEET NO. 1 OF 5	
2	01/01/21 – REVISED TO FBC 2020	EST. PERIM.			EXTRUSION NO.	
1	04/19/18 – REVISED TO FBC 2017	DRAWN BY JMR	DATE 08/30/13		REV.	

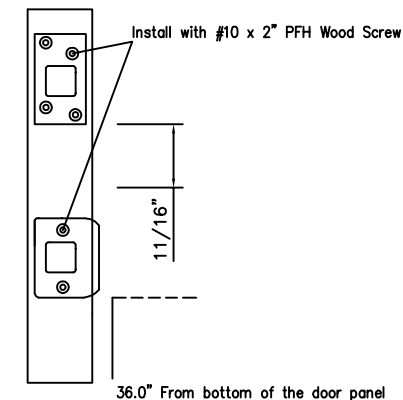
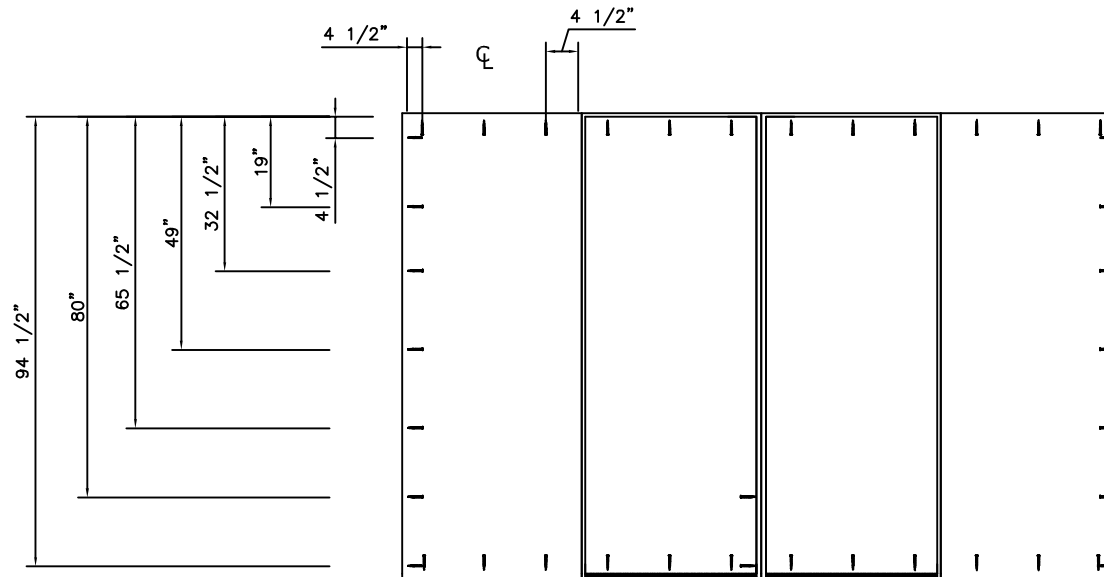
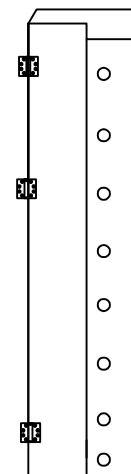
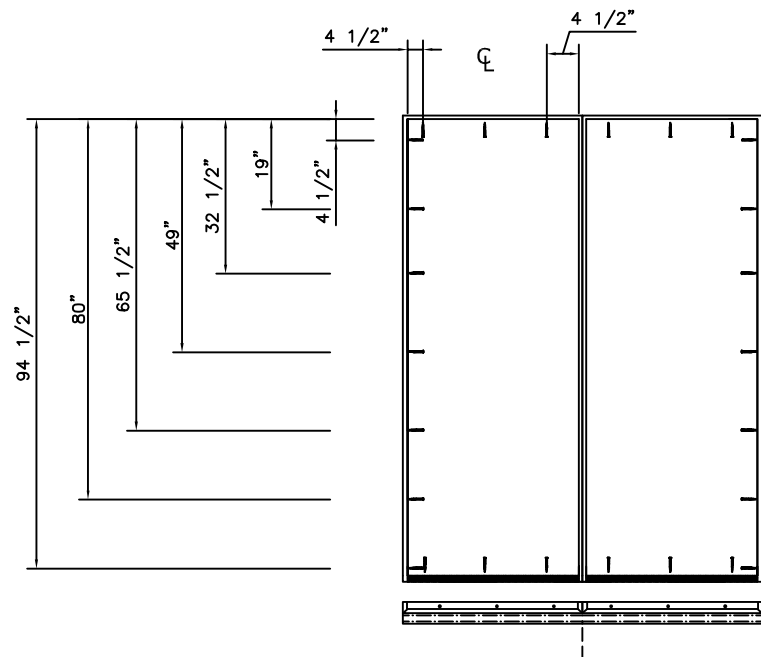


DOOR OPTIONS

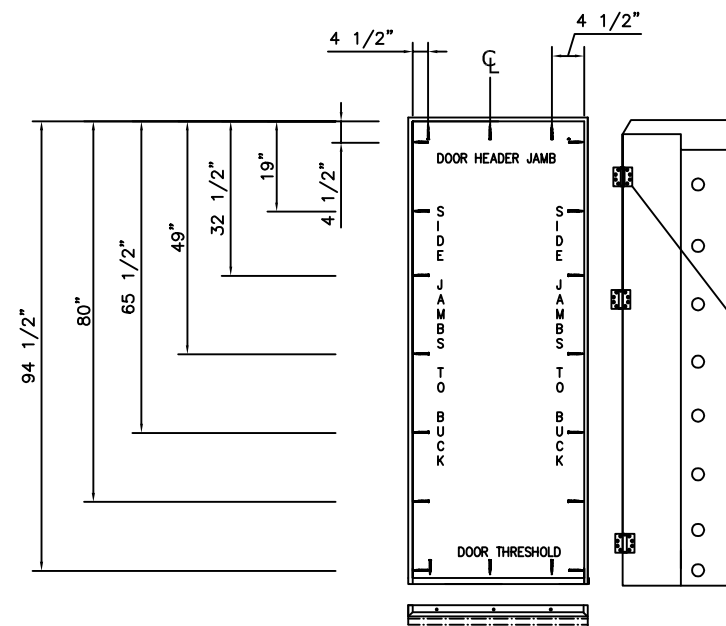
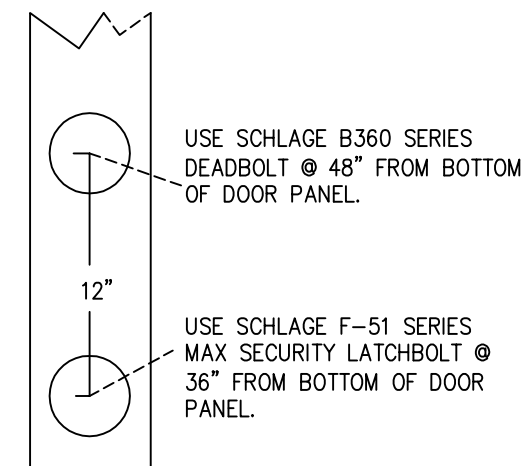
OVERALL SIZE:
36" x 96" (SINGLE DOOR)

MAXIMUM D.L.O.:
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						DWG NO. 100846D		
		EST. AREA		BRAZILIAN OAK DOOR FBC INSTALLATION DRAWINGS ELEVATIONS AND DOOR OPTIONS		SHEET NO. 2 OF 5		
3	01/10/24 – REVISED TO FBC 2023	EST. WT.				EXTRUSION NO.		REV.
2	01/01/21 – REVISED TO FBC 2020	EST. PERIM.						
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STRIKE PLATE DETAIL

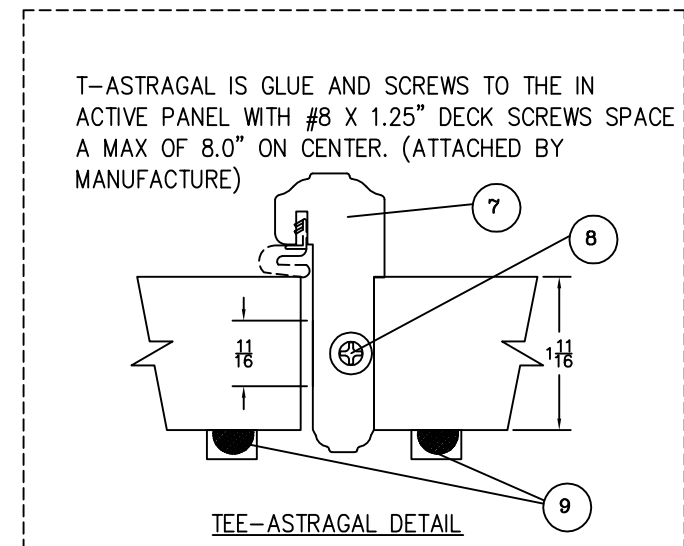
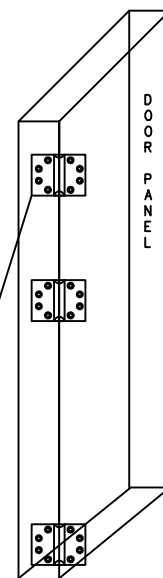


USE (3) 4" x 4" RESIDENTIAL BUTT HINGES.

FROM TOP OF DOOR PANEL TO TOP OF 1st HINGE @ 7.0", 2nd HINGE @ 32.75" AND 3rd HINGE @ 84.0"

INSTALL HINGES WITH (4) #12 X 1 1/4" WOOD SCREW

HINGE DETAIL



ELEVATION AND ANCHOR LOCATIONS

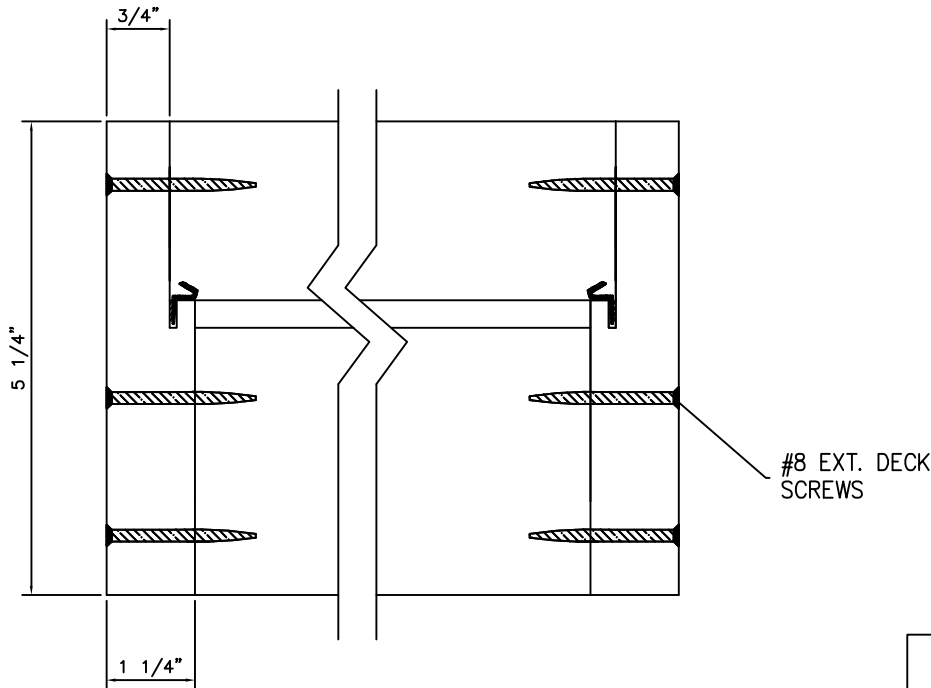
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3	01/10/24 – REVISED TO FBC 2023	EST. WT.			BRAZILIAN OAK DOOR FBC INSTALLATION DRAWINGS ANCHORAGE DETAILS	SHEET NO. 3 OF 5
2	01/01/21 – REVISED TO FBC 2020	EST. PERIM.		EXTRUSION NO.		
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BILL OF MATERIALS.

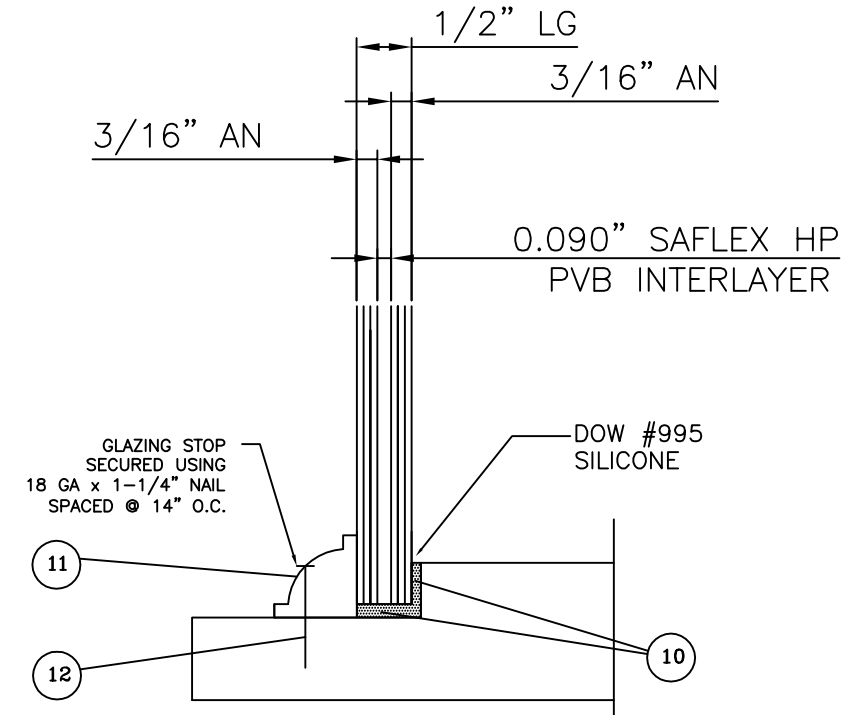
PART#	DESCRIPTION	MATERIAL
1	5¼" x 1 ¼" KERF JAMB	SOLID OAK WOOD
2	4⅝" x 1" OUTSWING THRESHOLD	WORLDWIDE BRAND-WOOD & ALUM.
4	6" TOP RAIL	SOLID OAK WOOD
5	10" BOTTOM RAIL	SOLID OAK WOOD
6	6" STILE	SOLID OAK WOOD
7	3½" X 1½" ACTIVE T-ASTRAGAL	SOLID OAK WOOD
8	8" x ¾" WORLD WIDE FLUSH BOLT	STEEL & BRASS
9	12" SB360 SURFACE BOLT	HEAVY DUTY STEEL
10	995 DOW CORNING SILICONE	SILICONE BASE
11	½" GLAZING STOP	SOLID OAK WOOD
12	18 GA. X 1¼" BRAD NAIL	GALVANIZED STEEL

HARDWARE SCHEDULE:

QTY	DESCRIPTION	MANUFACTURER
1	LATCHBOLT	SCHLAGE F-51 MAX SECURITY LATCHBOLT
1	DEADBOLT	SCHLAGE B360 DEADBOLT
2	SURFACE BOLTS	IVES 8.0" SURFACE BOLT #453
6	BUTT HINGES - 4" x 4"	BUTT HINGES



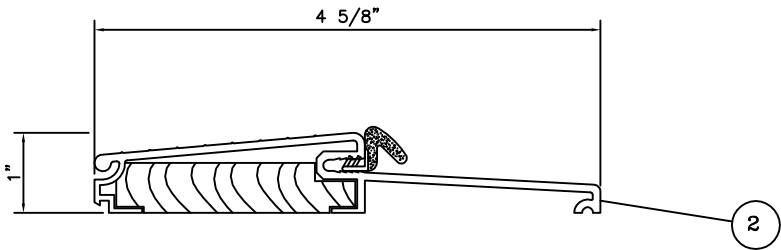
CORNER DETAIL



GLAZING DETAILS

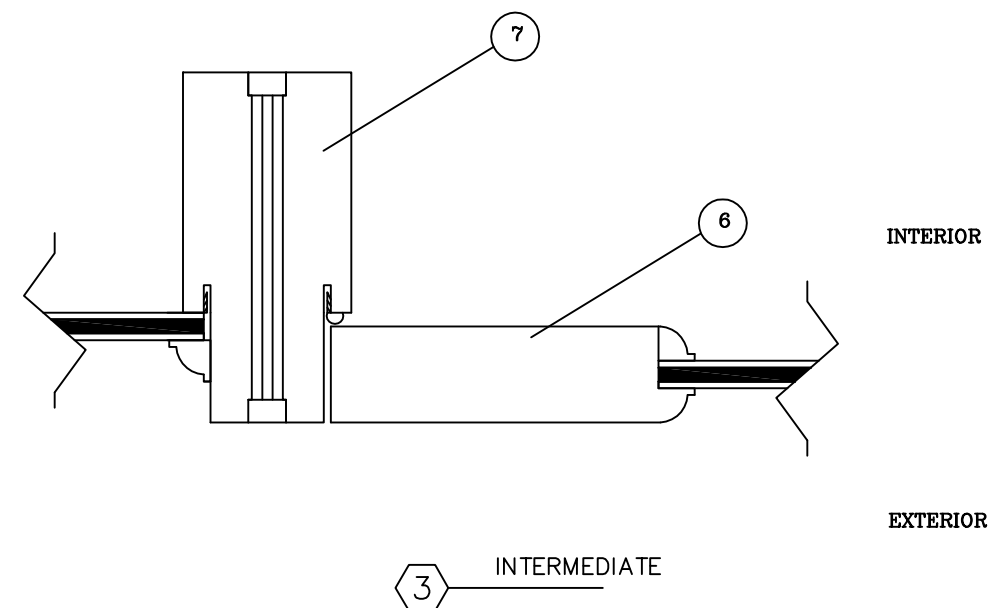
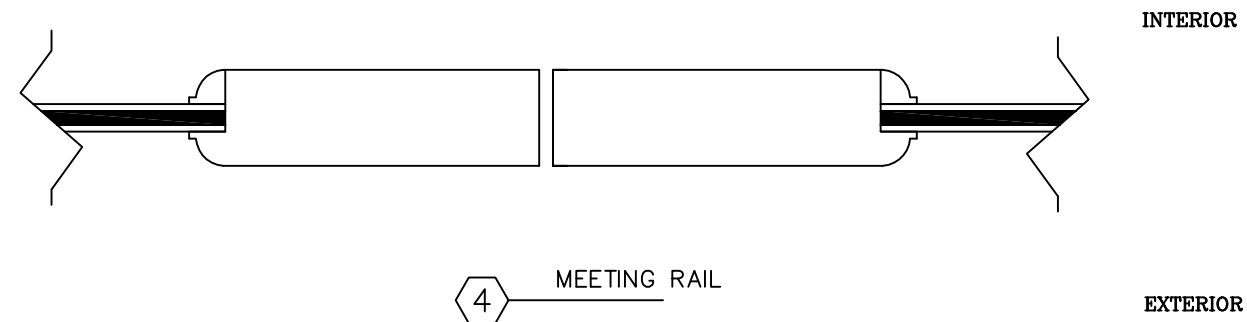
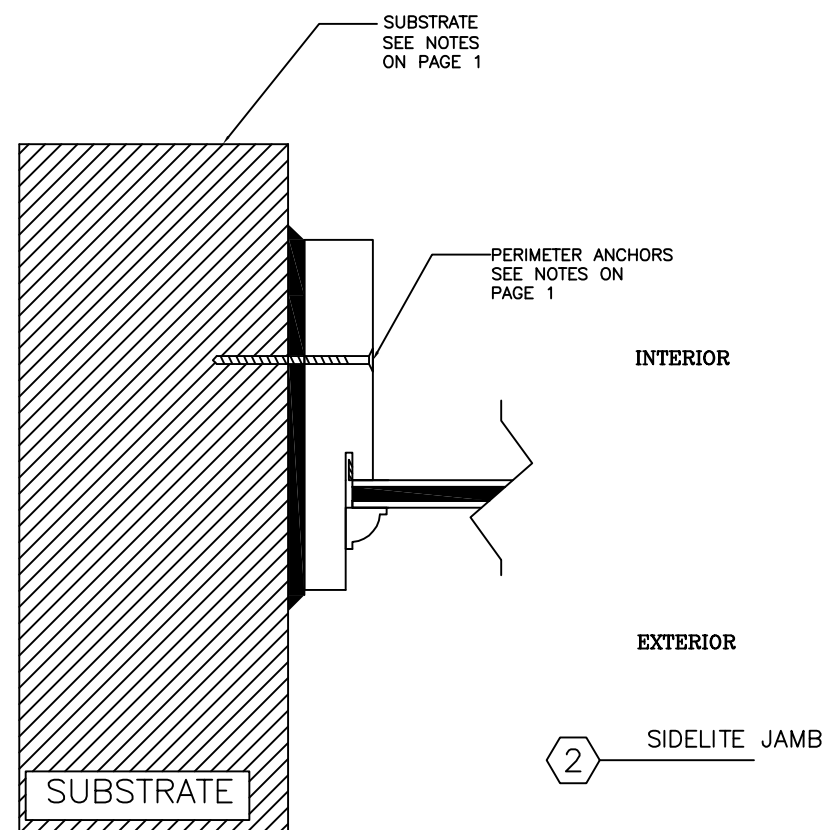
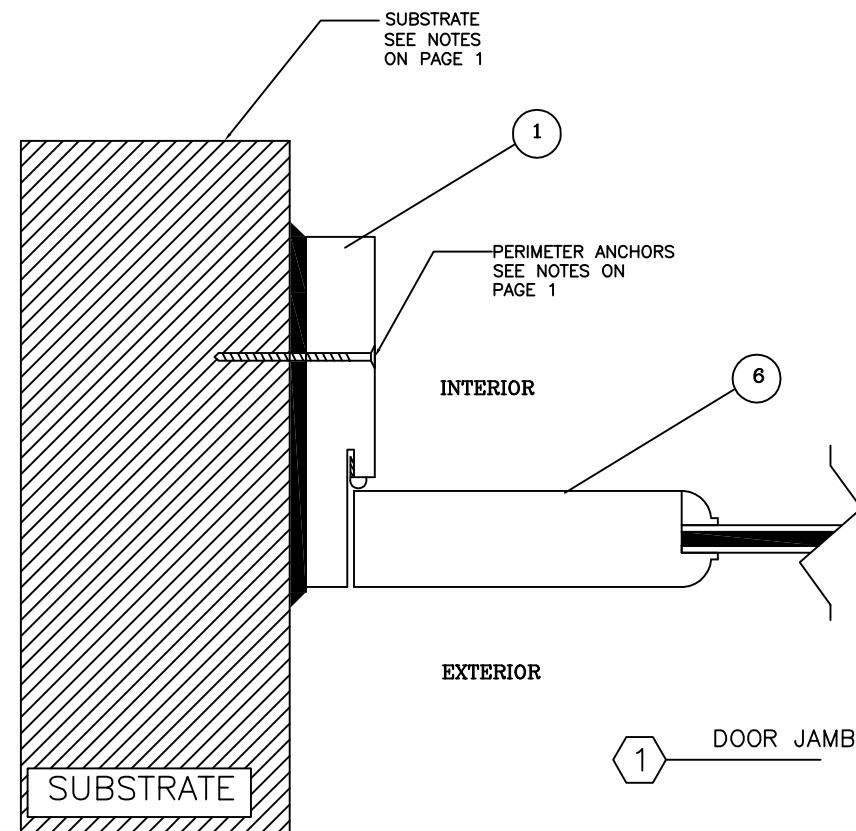
NOTE: GLAZING MUST COMPLY WITH ASTM E1300 FOR THE GIVEN DESIGN PRESSURE.

GLAZING SET IN BED OF SEALANT WITH NO GLASS SET BLOCKS USED IN THE CONSTRUCTION.

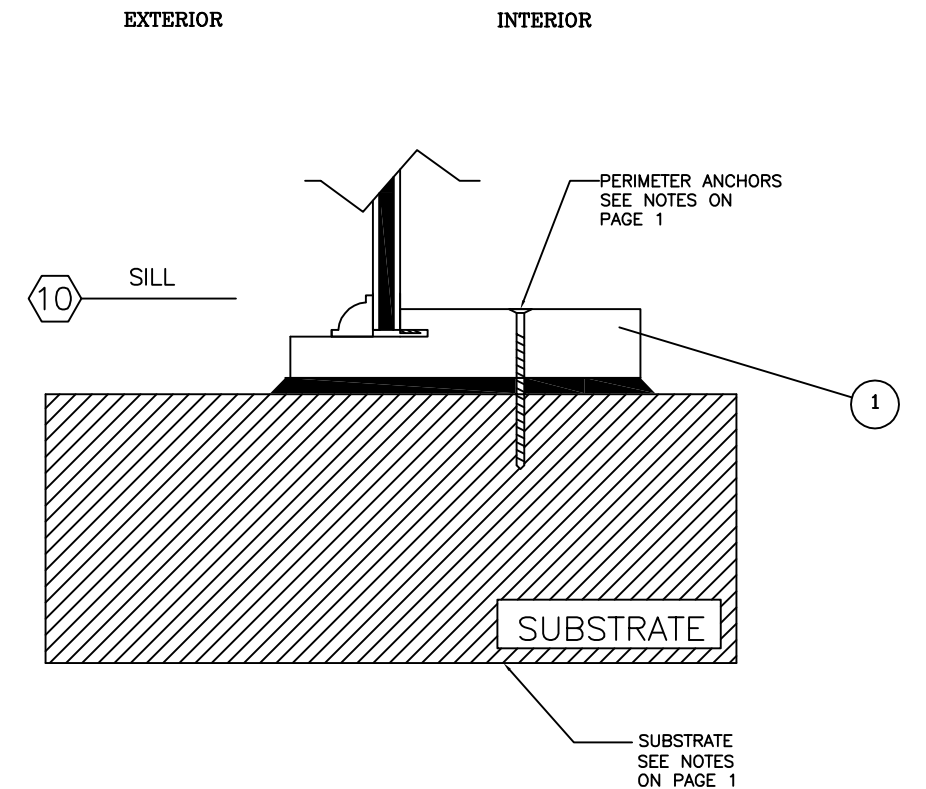
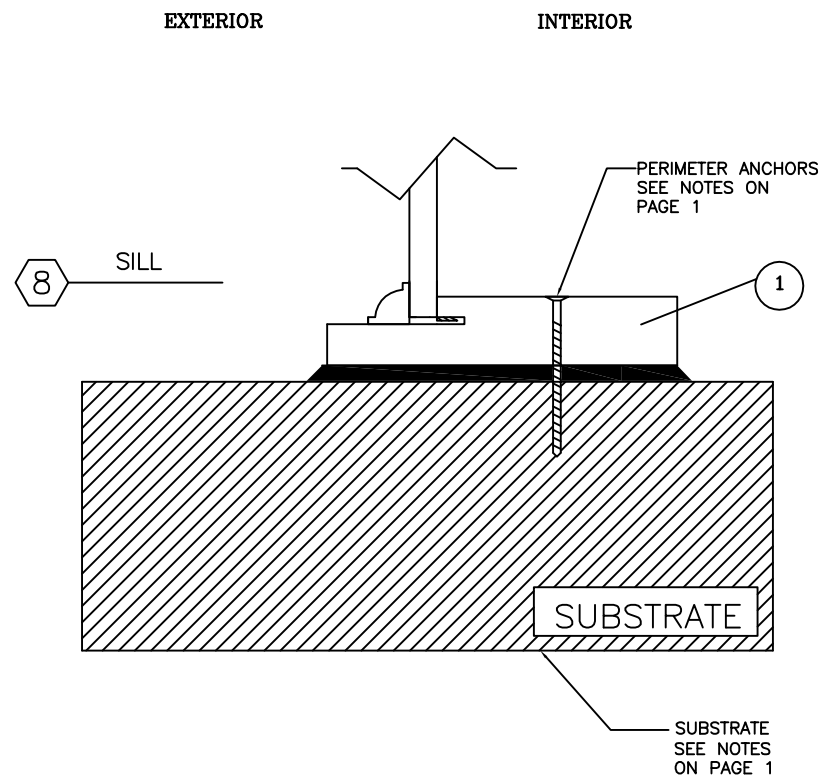
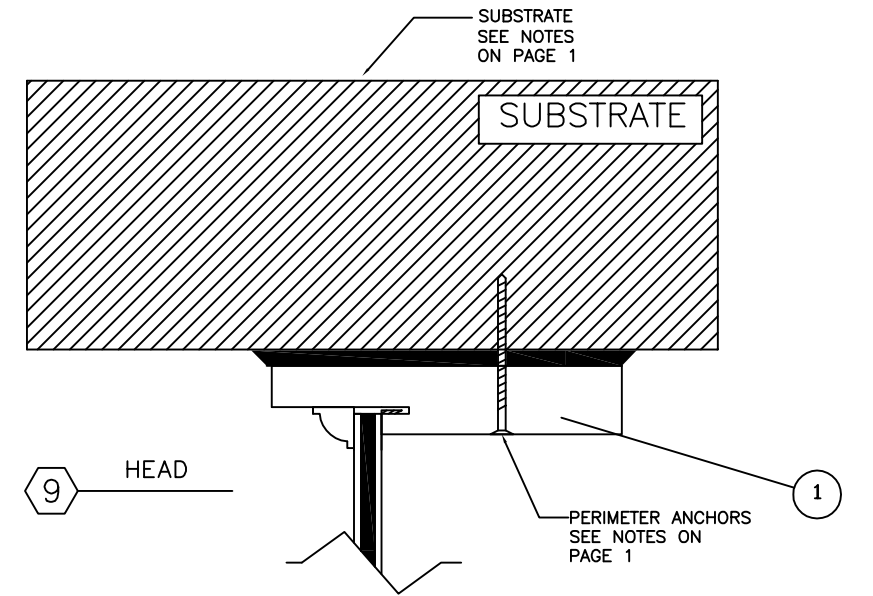
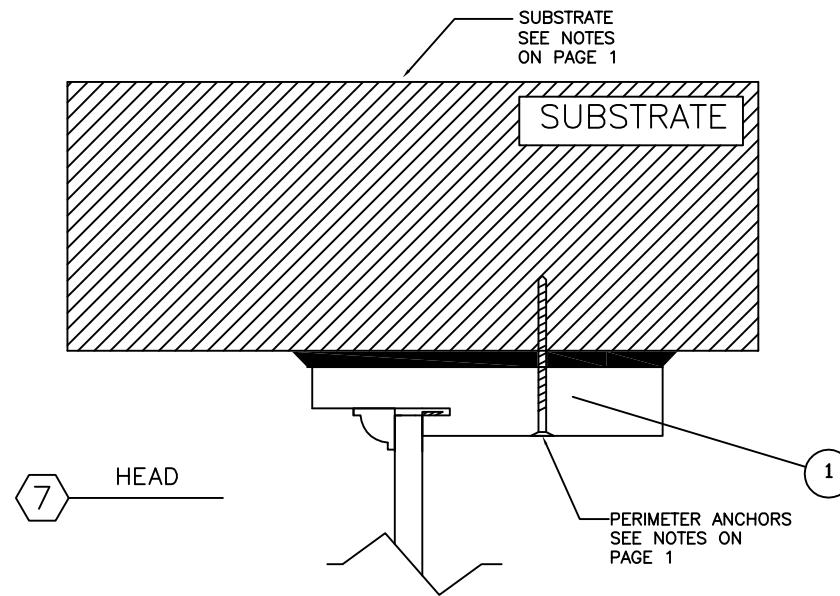
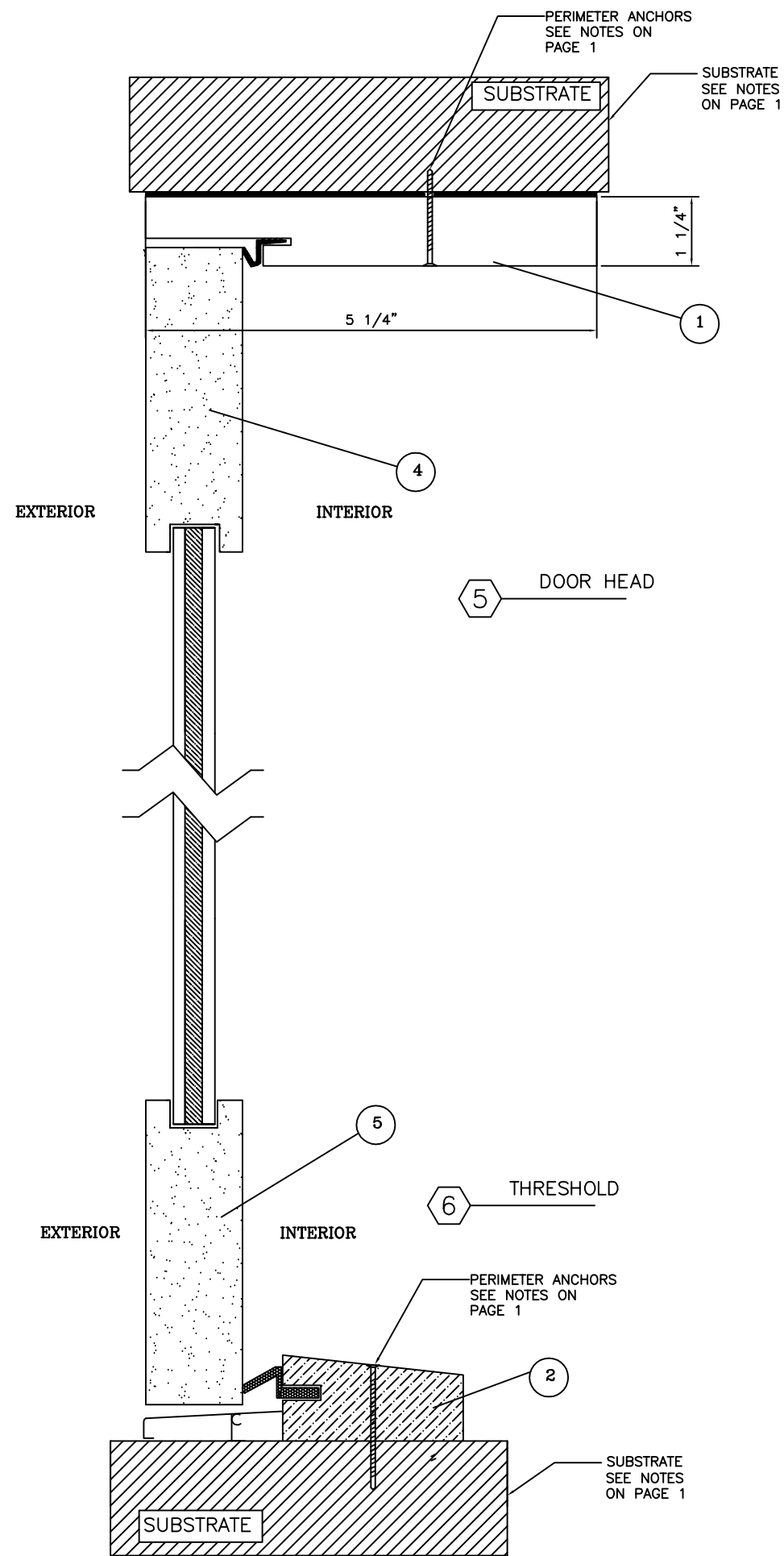


THRESHOLD DETAIL

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		EST. AREA			DWG NO. 100846D	
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2	01/01/21 – REVISED TO FBC 2020	EST. PERIM.			EXTRUSION NO.	REV.
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		EST. AREA			DWG NO. 100846D	
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2	01/01/21 – REVISED TO FBC 2020	EST. PERIM.			EXTRUSION NO.	REV.
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2	01/01/21 – REVISED TO FBC 2020	EST. PERIM.			EXTRUSION NO.	REV.
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