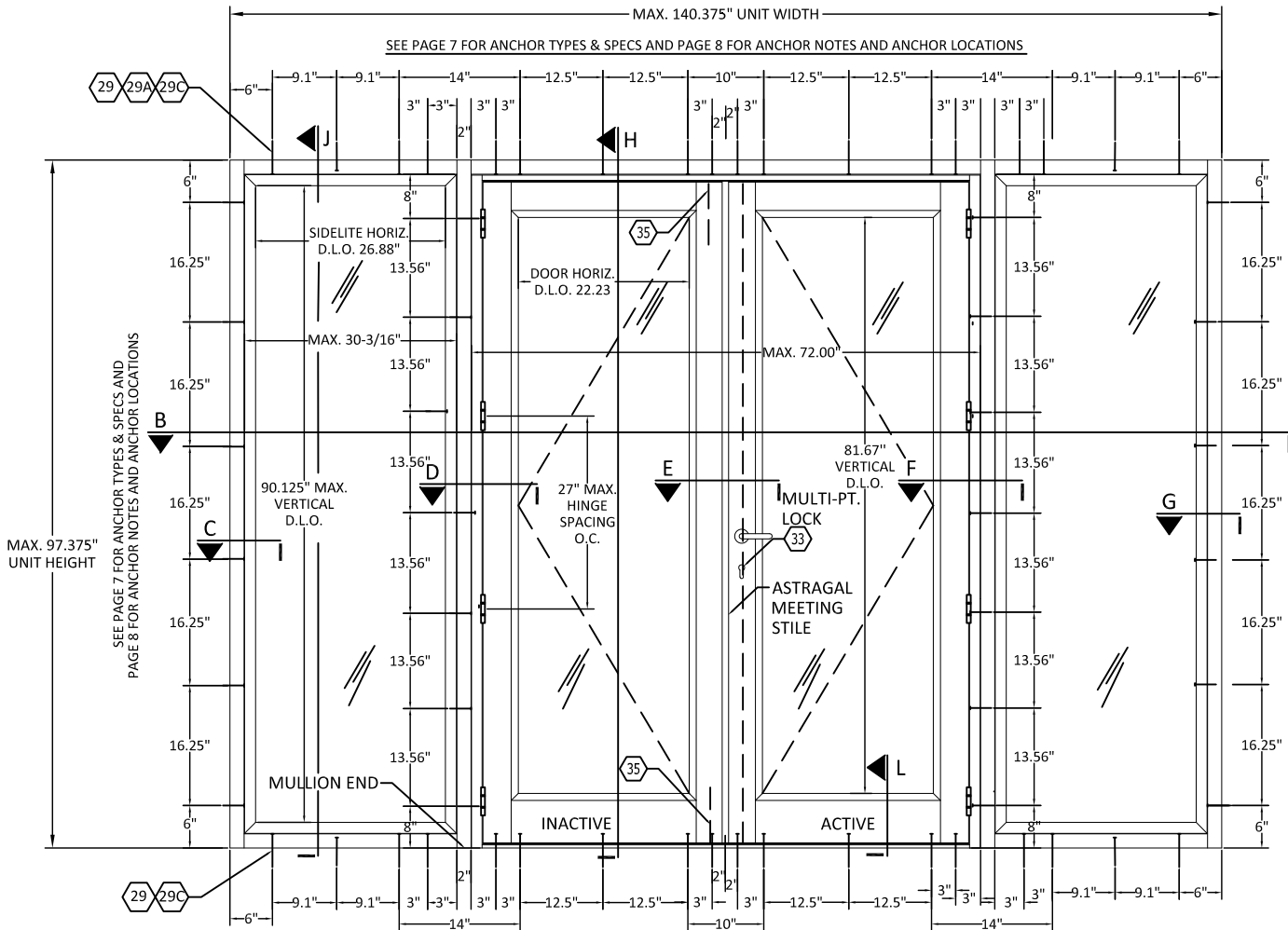


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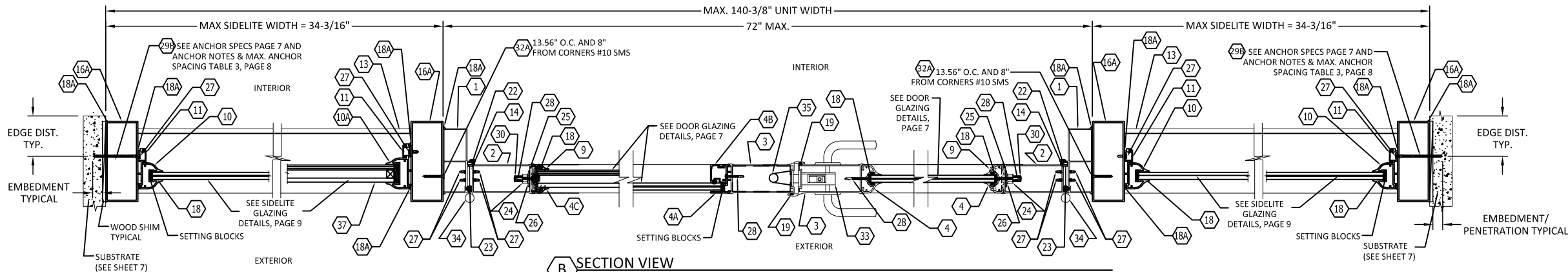
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DESIGN PRESSURE RATING ALL CONFIGURATIONS: +75 / -75 PSF LARGE MISSILE IMPACT RATED

SERIES CONTINENTAL OUTSWING ALUMINUM GLASS DOOR



A EXTERIOR ELEVATION - SERIES CONTINENTAL DOOR WITH SIDELITES - MULTI-POINT LOCKING SYSTEM
N.T.S. SEE PAGE 7 FOR OTHER SIZES AND PAGE 8 FOR QUALIFIED CONFIGURATIONS



B SECTION VIEW
N.T.S. (SEE PAGE 7 FOR OTHER SIZES & ANCHOR SPECIFICATIONS AND SEE PAGE 8 FOR OTHER LAYOUT OPTIONS & MAX. ANCHOR SPACING TABLE 3)

BILL OF MATERIALS			
ITEM #	PART #	ITEM DESCRIPTION	MANUFACTURER/SUPPLIER/NOTES
PARTS & EXTRUSIONS	1	77495 DOOR FRAME JAMBS	FUNDICIONES INDUSTRIALES S.A /6063-T5
	2	77534 DOOR STILE	FUNDICIONES INDUSTRIALES S.A /6063-T5
	3	77525 DOOR STILE WITH ASTRAGAL	FUNDICIONES INDUSTRIALES S.A /6063-T5
	4	13038 7/16" GLASS ADAPTER	FUNDICIONES INDUSTRIALES S.A /6063-T5
	4A	76840 7/16" ALTERNATE GLASS ADAPTER	FUNDICIONES INDUSTRIALES S.A /6063-T5
	4B	76841 ALTERNATE GLASS ADAPTER GLAZING BEAD	FUNDICIONES INDUSTRIALES S.A /6063-T5
	4C	13039 1-1/16" GLASS ADAPTER	FUNDICIONES INDUSTRIALES S.A /6063-T5
	5	77510 DOOR HEAD FRAME	FUNDICIONES INDUSTRIALES S.A /6063-T5
	6	77554 TOP RAIL	FUNDICIONES INDUSTRIALES S.A /6063-T5
	7	76702 6" MIN BOTTOM RAIL	FUNDICIONES INDUSTRIALES S.A /6063-T5
	8	80511 THRESHOLD CONTINENTAL DOOR	FUNDICIONES INDUSTRIALES S.A /6063-T5
	9	11081 CORNER LOCK	FUNDICIONES INDUSTRIALES S.A /6063-T5
	10	76835 7/16" PERIMETER P/W	FUNDICIONES INDUSTRIALES S.A /6063-T5
	10A	76849 1-1/16" PERIMETER P/W	FUNDICIONES INDUSTRIALES S.A /6063-T5
	11	76830 SNAP FOR PICTURE WINDOW	FUNDICIONES INDUSTRIALES S.A /6063-T5
GLASS	12	80525 RECT. SNAP COVER FOR THRESHOLD	FUNDICIONES INDUSTRIALES S.A /6063-T5
	13	96534 ANGLE 1.5"x.625"x.125"	FUNDICIONES INDUSTRIALES S.A /6063-T5
	15	13020 ADAPTER DOUBLE FELPA	FUNDICIONES INDUSTRIALES S.A /6063-T5
	16	57628 DEAD BOLT CHANNEL L=3.625"	GLOBAL HOLDEX LTD /6063-T5
SEALS & SEALANTS	16A	57525 2"x5" x 0.090" FRAME MULLION	FUNDICIONES INDUSTRIALES S.A /6063-T5
	16B	57525 ADA SILL CONTINENTAL DOOR	FUNDICIONES INDUSTRIALES S.A /6063-T5
	17	IMPACT GLASS 7/16"	VARIES
	17A	3/16" ANN - 0.090" SAFLEX CP - SAFLEX OR SAFLEX HP COMPOSITE GLASS INTERLAYERS WITH PET CORE BY EASTMAN CHEMICAL CO. - 3/16" ANN	VARIES
FASTENERS	17B	1-1/16" O.A.: 1/4" TEMP. EXT - AIR SPACE - 3/16" ANN - 0.090" SAFLEX CP - SAFLEX HP COMPOSITE GLASS INTERLAYERS WITH PET CORE BY EASTMAN CHEMICAL CO. - 3/16" ANN	VARIES
	18	53580 DOW 995 BLACK STRUCTURAL SILICONE	DOW CORNING
	18A	76648 SILICONE CLEAR	PACIFIC GLOBAL PACKAGING
	19	96823 WEATHER STRIP	ULTRAFAB
HARDWARE	20	96824 WEATHER STRIP	ULTRAFAB
	21	96825 WEATHER STRIP	ULTRAFAB
	22	96980 PERIMETER FRAME VINYL	MSW LLC
	23	32010 B/RUBBER/FOAM-W/WEATHER STRIP	MSW LLC
	38	96936 GOMA FP-448 BLACK	3M
	39	96690 3M VHB TAPE	3M
	24	95612 3/8"-16-SS HEX NUT	LA CASA DE LOS TORNILLOS
	25	95492 FLAT WASHER 3/8"	LA CASA DE LOS TORNILLOS
	26	95493 PRESSURE WASHER 3/8" SS	LA CASA DE LOS TORNILLOS
	27	95691 #10-24 x 5/8" PH F/H SS SELF/D	LA CASA DE LOS TORNILLOS
	28	95692 #10-24 x 1" FH /PH /SS SELF/D	LA CASA DE LOS TORNILLOS
	29	#14 WOOD SCREW PHI F/H SS	W/ DISSIMILAR METALS CORROSION COATING
	29A	1/4" ELCO ULTRACON IN GROUT FILLED CMU PHI P/H F/H	ELCO CONSTRUCTION PRODUCTS
	29B	1/4" ELCO ULTRACON IN CMU PHI P/H F/H	ELCO CONSTRUCTION PRODUCTS
	29C	1/4" ELCO ULTRACON, PHI, F/H, P/H	ELCO CONSTRUCTION PRODUCTS
	30	76657 3/8" x 72" SS-304 ROD	LA CASA DE LOS TORNILLOS
	31	95597 #10 SCREW x 1-1/2" PHI PH S/S T-A	LA CASA DE LOS TORNILLOS
	32	95660 #12 SCREW x 3/4" PHI PH S/S T-A	LA CASA DE LOS TORNILLOS
	32A	#10 GR. 5 SHEET METAL SCREW (SMS)	ITW BUILDEX
	33	34200 MULTIPOINT LOCK 2230 (TH102)	FRANCISCO R. FARRES, INC. / ATZ
	34	76565 4" S/S HINGES	L.D.G. HARDWARE MANUFACTURER
	35	76523 FLUSHBOLT 1/8 BACKSET SATIN NIQL	SONFAST CARIBE, INC.
	36	76663 THREADED ROD 5/16" X 72" S/S	CENTURY FASTENERS
	37	76665 TERMINAL S/S 12x46mm	SALS HARDWARE
	38	96456 CYLINDRICAL LOCK & DEADBOLT (COMBO LOCK)	GARRIDO BROS & CORP

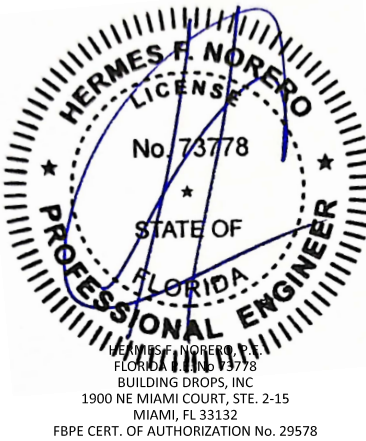
AIR MASTER GROUP
BARCELONETA ROAD #2 KM 56.7
BARCELONETA, PUERTO RICO, 00617
PH: (787) 846-2110

TITLE:
SERIES CONTINENTAL OUTSWING
ALUMINUM GLASS DOOR
(HVHZ)(IMPACT)

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954) 395-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

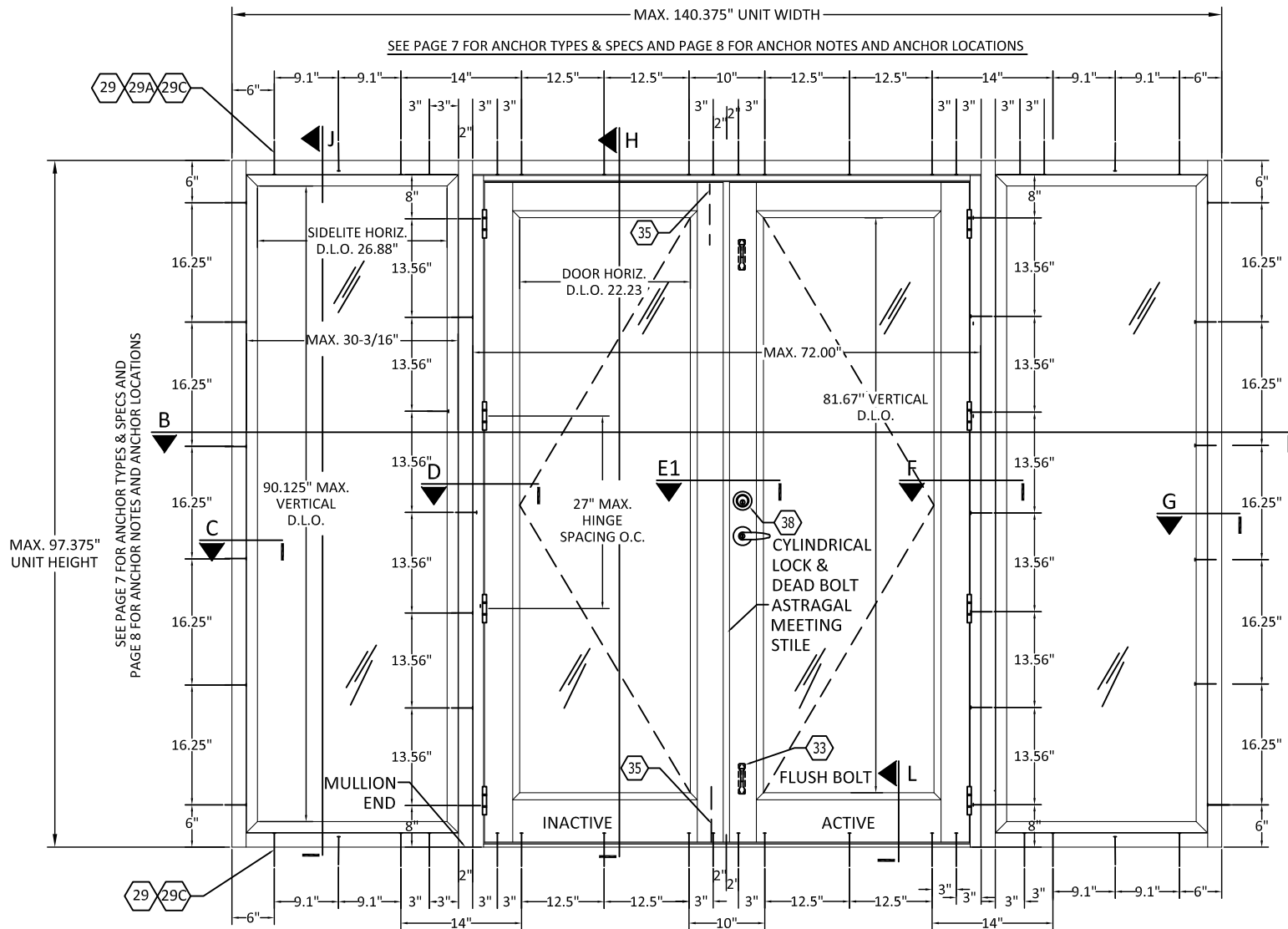
REMARKS	BY	DATE
NEW LOCK ADDITION	SM	7/11/21
ALTERNATE SILL ADD.	FB	8/26/25

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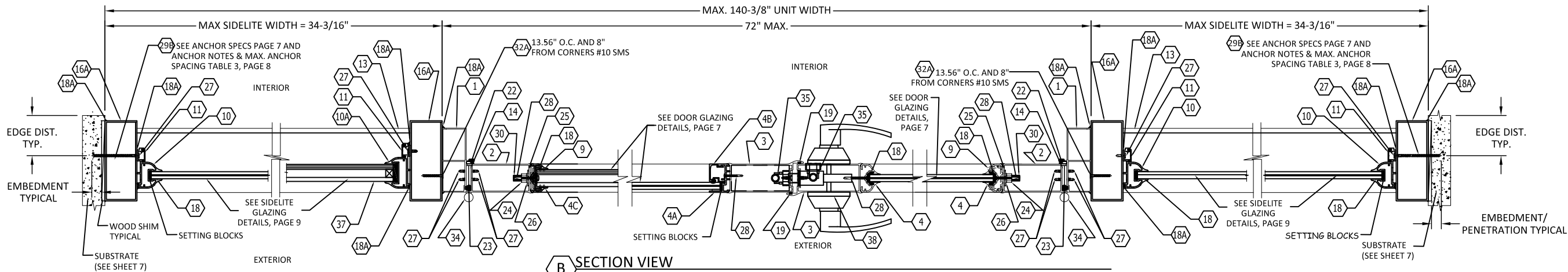


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CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AIR007
SHEET:	1

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2025.10.17 15:11:48 -04'00'



A EXTERIOR ELEVATION - SERIES CONTINENTAL DOOR WITH SIDELITES - CYLINDRICAL LOCK & DEADBOLT
N.T.S. SEE PAGE 7 FOR OTHER SIZES AND PAGE 8 FOR QUALIFIED CONFIGURATIONS



B SECTION VIEW
N.T.S. (SEE PAGE 7 FOR OTHER SIZES & ANCHOR SPECIFICATIONS AND SEE PAGE 8 FOR OTHER LAYOUT OPTIONS & MAX. ANCHOR SPACING TABLE 3)

AIR MASTER GROUP

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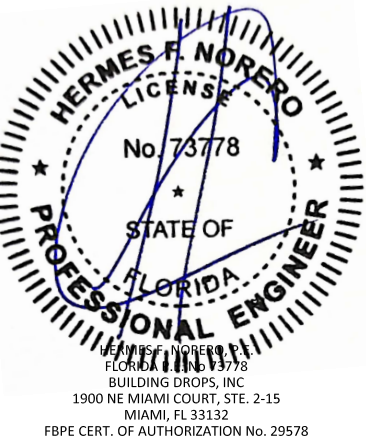
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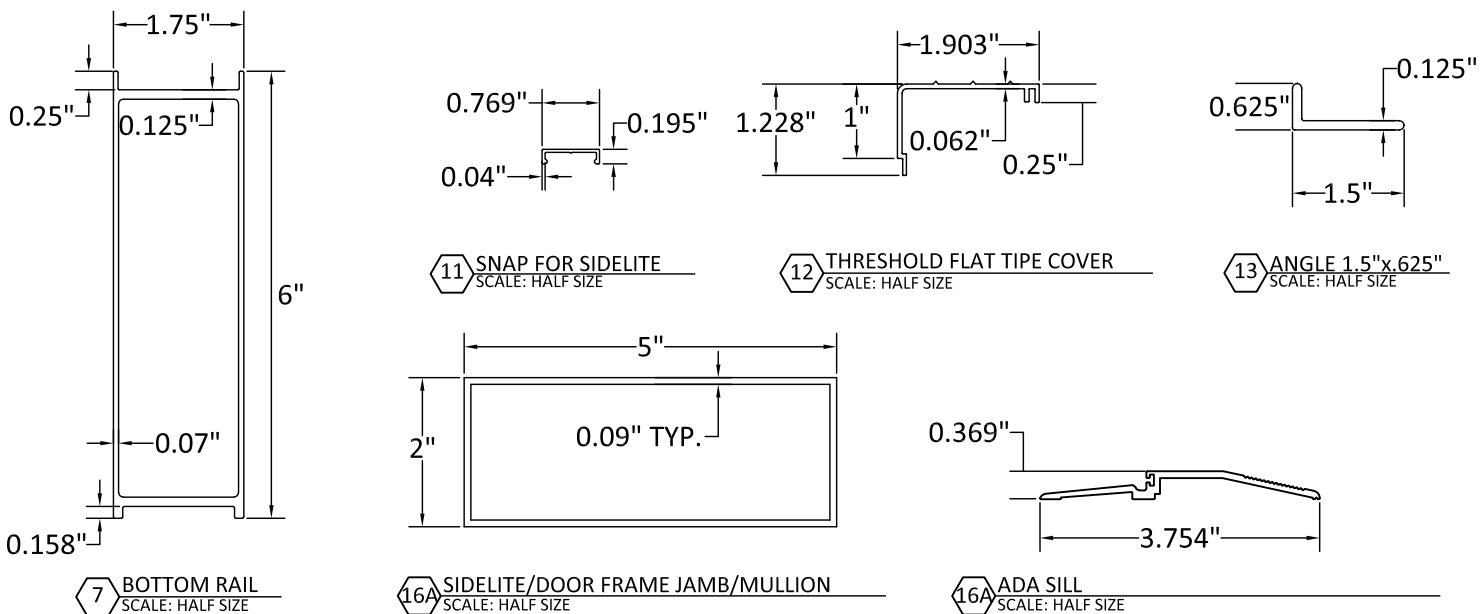
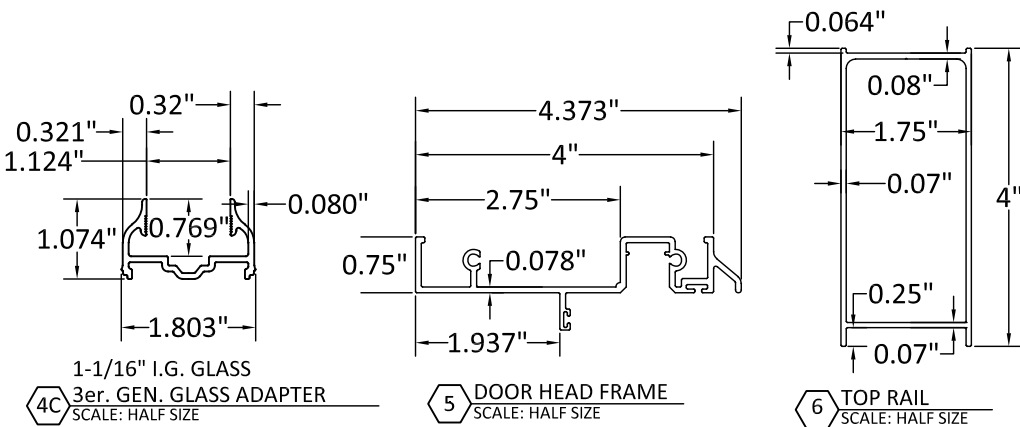
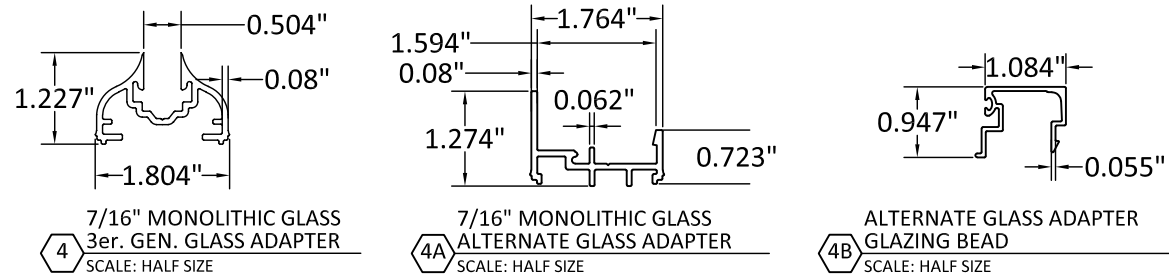
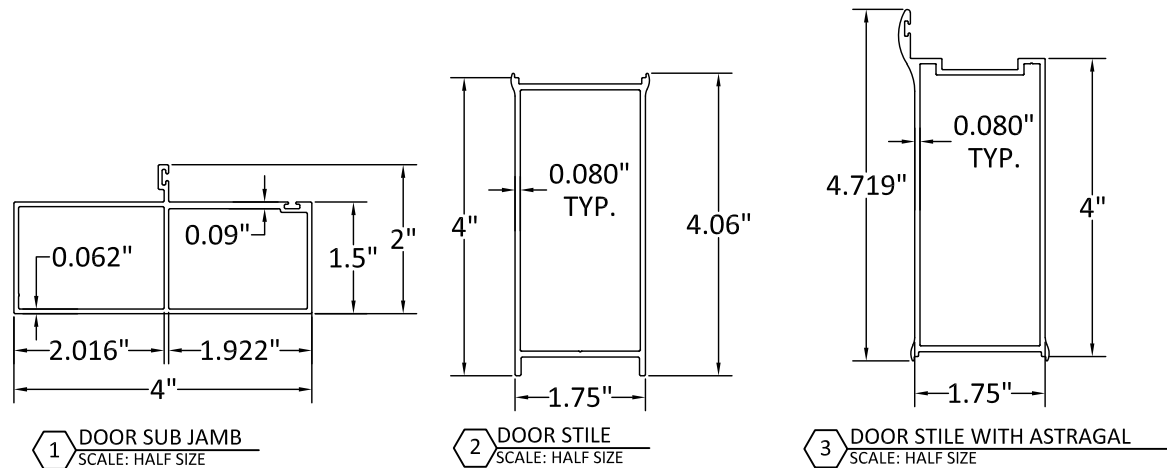


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ALTERNATE SILL ADD.	FB	8/26/25

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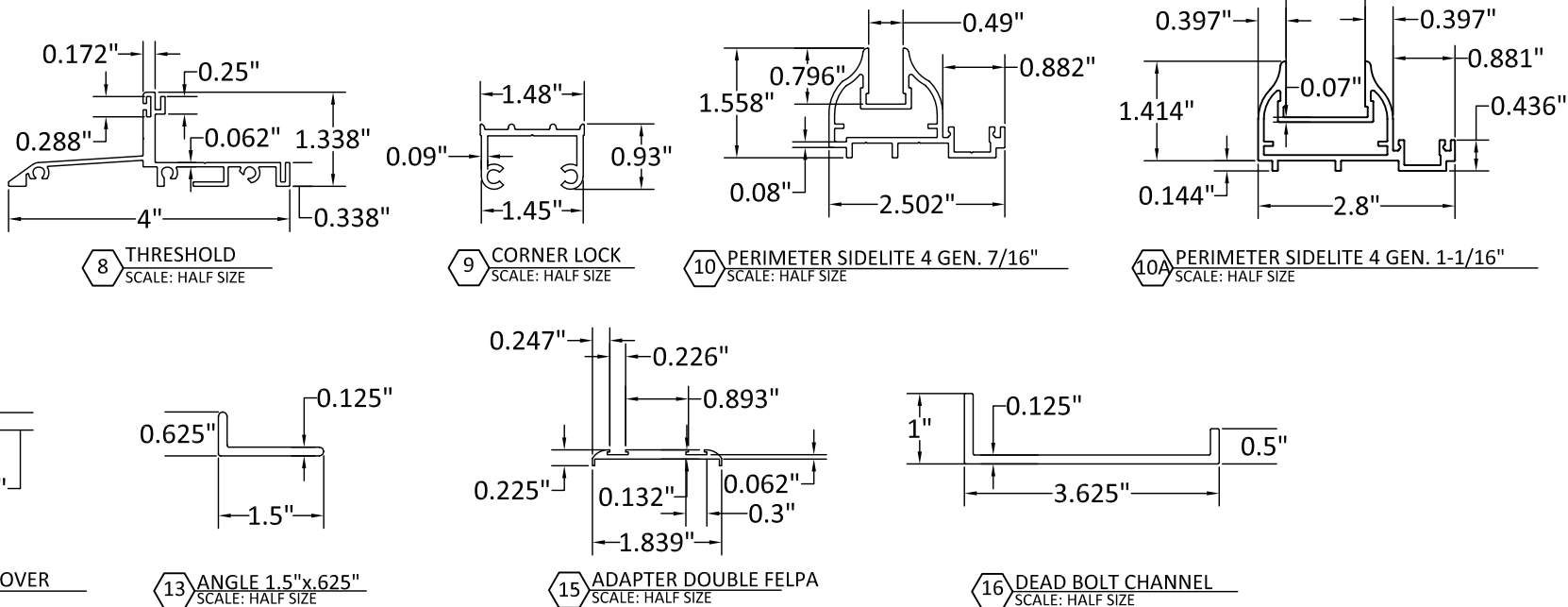


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DWG. #:	AIR007
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GENERAL NOTES:

- THIS CONTINENTAL SYSTEM HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC), INCLUDING THE HVHZ, UNDER THE SPECIFIC CONDITIONS SHOWN ON THIS DRAWING. THIS CONTINENTAL DOOR SYSTEM HAS BEEN TESTED PER TAS 201, TAS 202 & TAS 203. THE CONTINENTAL DOOR AND SIDELITE ARE LARGE MISSILE IMPACT RESISTANT.
- 2x WOOD BUCKS SHALL BE INSTALLED AND PROPERLY ANCHORED SO THAT THE BUILDING RESISTS THE SUPERIMPOSED LOADS IN ACCORDANCE WITH REQUIREMENTS OF FBC.
- 1x WOOD BUCKS SHALL BE INSTALLED AND PROPERLY ANCHORED SUCH THAT THEY ARE STATIC DURING INSTALLATION & ACT AS SHEAR BLOCKS DURING LOADING TRANSFER FOR FASTENERS THROUGH THE DOOR FRAME TO THE CONCRETE. ANCHOR CONDITIONS NOT DESCRIBED IN THIS DRAWING ARE TO BE ENGINEERED ON A SITE SPECIFIC BASIS.
- DETERMINE THE POSITIVE AND NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH ASCE 7, WIND LOADS MAY BE PERMITTED TO BE MULTIPLIED BY 0.6 FOR CONVERSION FROM LRFD TO ASD LOADS.
- NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS PRODUCT. A WIND LOAD DURATION FACTOR OF 1.6 WAS USED FOR WOOD SCREW ANALYSIS. IN THE PREPARATION OF THESE DOCUMENTS.
- THESE PRODUCT EVALUATION DOCUMENTS ARE PREPARED BY THE PRODUCT ENGINEER AND ARE GENERIC. THEY DO NOT INCLUDE INFORMATION PREPARED FOR A SPECIFIC SITE.
- THESE PRODUCT EVALUATION DOCUMENTS ARE SUITABLE TO BE APPLIED BY THE CONTRACTOR PROVIDED THE CONTRACTOR DOES NOT DEVIATE FROM THE CONDITIONS DETAILED HEREIN AND THE CONTRACTOR VERIFIES THE EXISTING STRUCTURE IS CAPABLE OF SUPPORTING THE LOADS.
- WHEN THE SITE CONDITIONS DEVIATE FROM THESE PRODUCT EVALUATION DOCUMENTS, THE BUILDING OFFICIAL MAY ELECT ONE OF THE FOLLOWING OPTIONS:
 - REQUIRE THAT SITE SPECIFIC DOCUMENTS BE PREPARED, SIGNED, DATED AND SEALED BY A LICENSED ENGINEER OR REGISTERED ARCHITECT, WHICH DETAIL AND JUSTIFY THE DEVIATION. SAID DOCUMENTS SHALL BE SUBMITTED TO THE PRODUCT ENGINEER FOR REVIEW AS A CONDITION TO THE BUILDING OFFICIAL GRANTING HIS/HER APPROVAL.
 - REQUIRE THAT A ONE-TIME SITE SPECIFIC APPROVAL BE APPLIED FOR AND SECURED FROM THE MIAMI-DADE COUNTY PRODUCT CONTROL SECTION. WHEN THE SITE CONDITION DEVIATIONS OCCUR WITHIN THE HIGH VELOCITY HURRICANE ZONE AREAS ONLY OPTION "B" SHALL BE ACCEPTED BY THE BUILDING OFFICIAL.
- WHERE THE CONTRACTOR OR THE BUILDING OFFICIAL REQUIRES DOCUMENTS FOR A SITE SPECIFIC APPLICATION, THESE DOCUMENTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT FOR SAID APPLICATION.
- ALTERATIONS OR ADDITIONS TO THIS DOCUMENT ARE NOT PERMITTED.
- SEE SHEET 7 FOR DOOR GLAZING DETAILS AND PAGE 9 FOR SIDELITE GLAZING DETAILS. EITHER MONOLITHIC LAMINATED GLASS OR INSULATING LAMINATED GLASS MAY BE USED AT THE DESIGN PRESSURES GIVEN ON PAGE 7.
- SEE DOOR WITH & WITHOUT SIDELITE SIZE VS DESIGN LOADS & ANCHOR SCHEDULE
 - POSITIVE LOAD IS 75 PSF FOR ALL SIZES AND IS BASED ON WATER TEST PRESSURE AND BOTH +&- Ve LOAD CONFORMS TO LAMINATED GLASS CHART FIGS.A1.30 & 31 IN ASTM E1300.
 - NEGATIVE LOAD IS 75 PSF (SEE TABLES 1 & 2 ON PAGE 7 OF 8).
- THIS PRODUCT HAS BEEN SUCCESSFULLY TESTED BY BLACKWATER TESTING FOR FLORIDA BUILDING CODE COMPLIANCE.
 - BLACKWATER TESTING INC. REPORT NO. BT-AM-12-005 WITH BLACKWATER, TESTING INC. ADDENDUM LETTER OF MAY 24, 2013 REVISING THE PERMANENT SET VALUES AND ADDENDUM LETTER OF JULY 3, 2013 REVISING SIDELITE JAMB TESTED SPACING
 - BLACKWATER TESTING INC. REPORT NO. BT-AM-14-001(A) DATED 9/19/14.
 - BLACKWATER TESTING INC. REPORT NO. BT-AM-15-002A DATED 12/23/15. (NOT TESTED FOR WATER RESISTANCE)
 - INTERTEK REPORT NO. L6771.01-450-18 RO 06/16/21. (TESTED FOR WATER RESISTANCE)
- MATERIALS, INCLUDING, BUT NOT LIMITED TO FASTENERS OR SCREWS THAT COME IN CONTACT WITH DISSIMILAR METALS SHALL MEET THE REQUIREMENTS OF FBC.
- ALL WOOD IN CONTACT WITH CONCRETE SHALL BE P.T. & COMPATIBLE WITH ALUMINUM.
- FASTENERS & SCREWS MUST BE COMPATIBLE WITH CHEMICALS USED FOR PRESSURE TREATMENT OF WOOD.
- COMPONENTS 1 THROUGH 16 ARE 6063-T5 EXTRUDED ALUMINUM ALLOY, U.O.N.
- ADDITIONAL PROTECTION FROM WINDBORNE DEBRIS (SHUTTERS) IS NOT REQUIRED ON OPENINGS WHERE THESE PRODUCTS ARE USED.



AIR MASTER
GROUP

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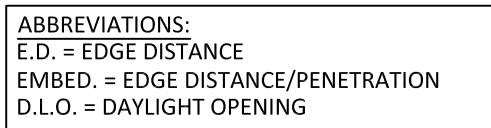
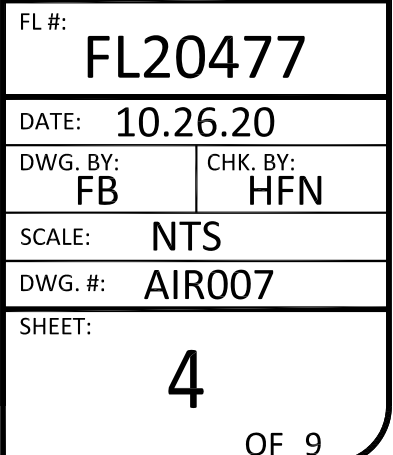
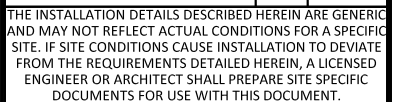


REMARKS	BY	DATE
NEW LOCK ADDITION	SM	7/11/21
ALTERNATE SILL ADD.	FB	8/26/25

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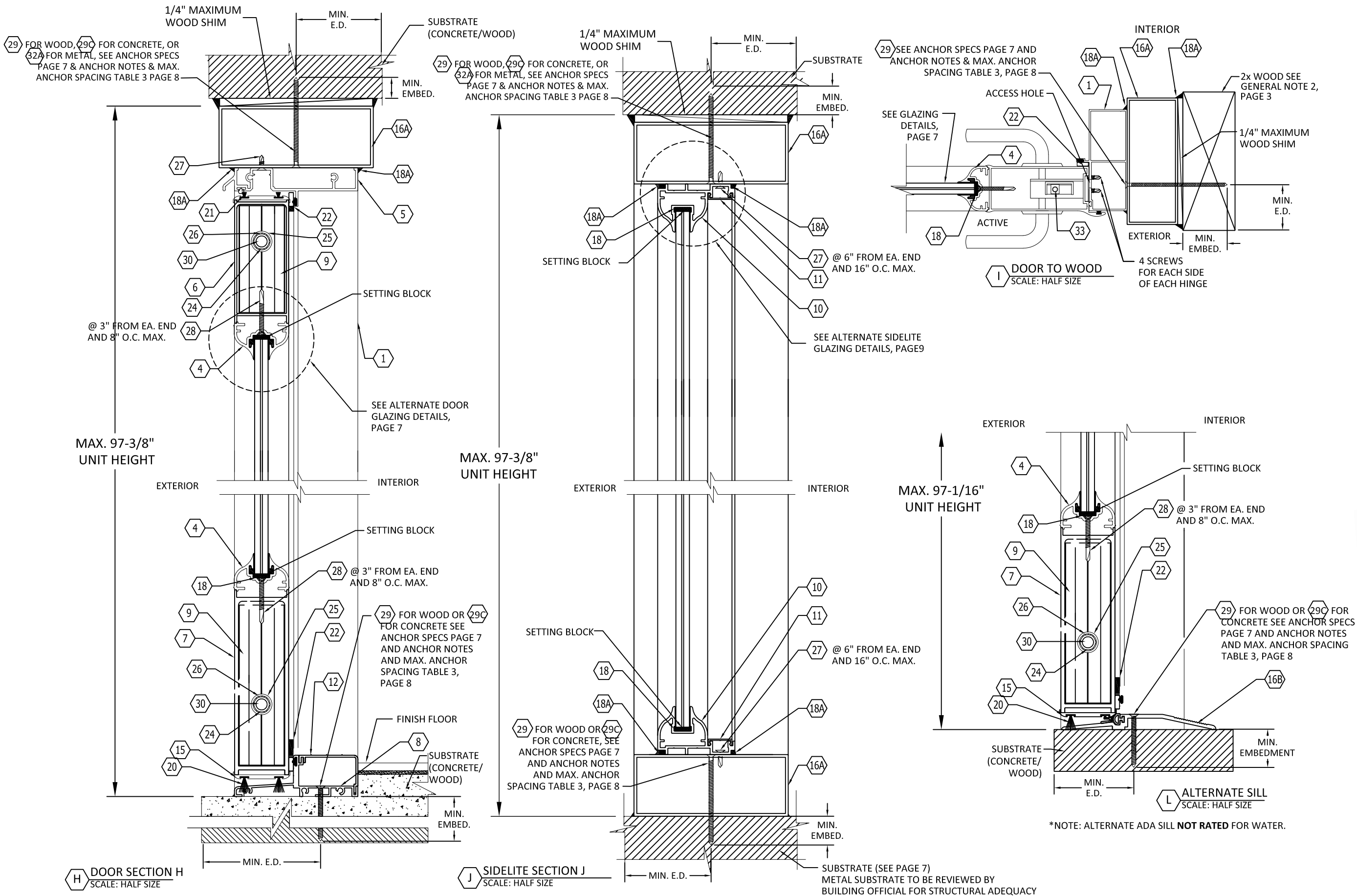


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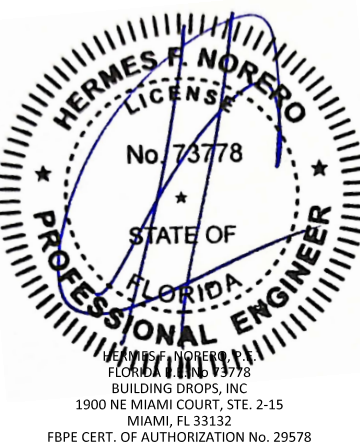
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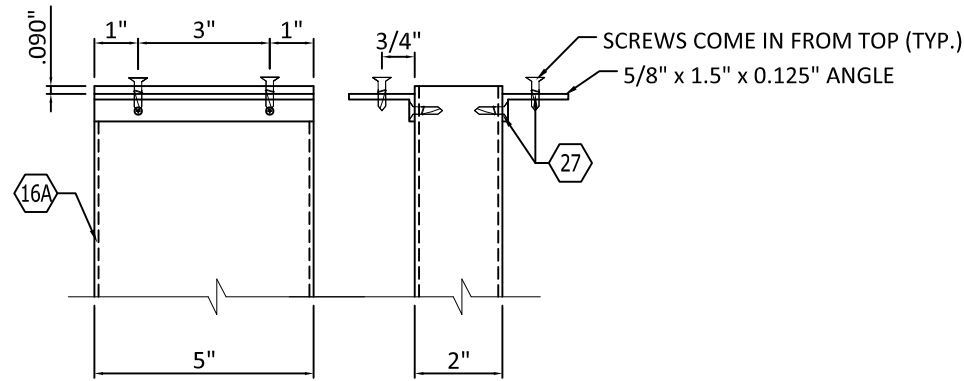
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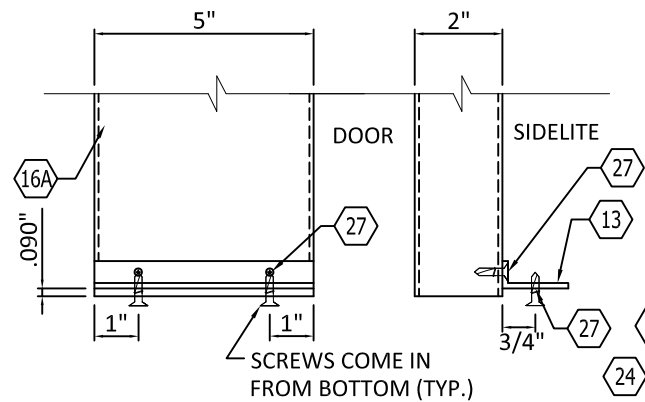
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M5 MULLION W/ CLIP ANGLES BETWEEN DOOR & SIDELITE
N.T.S.



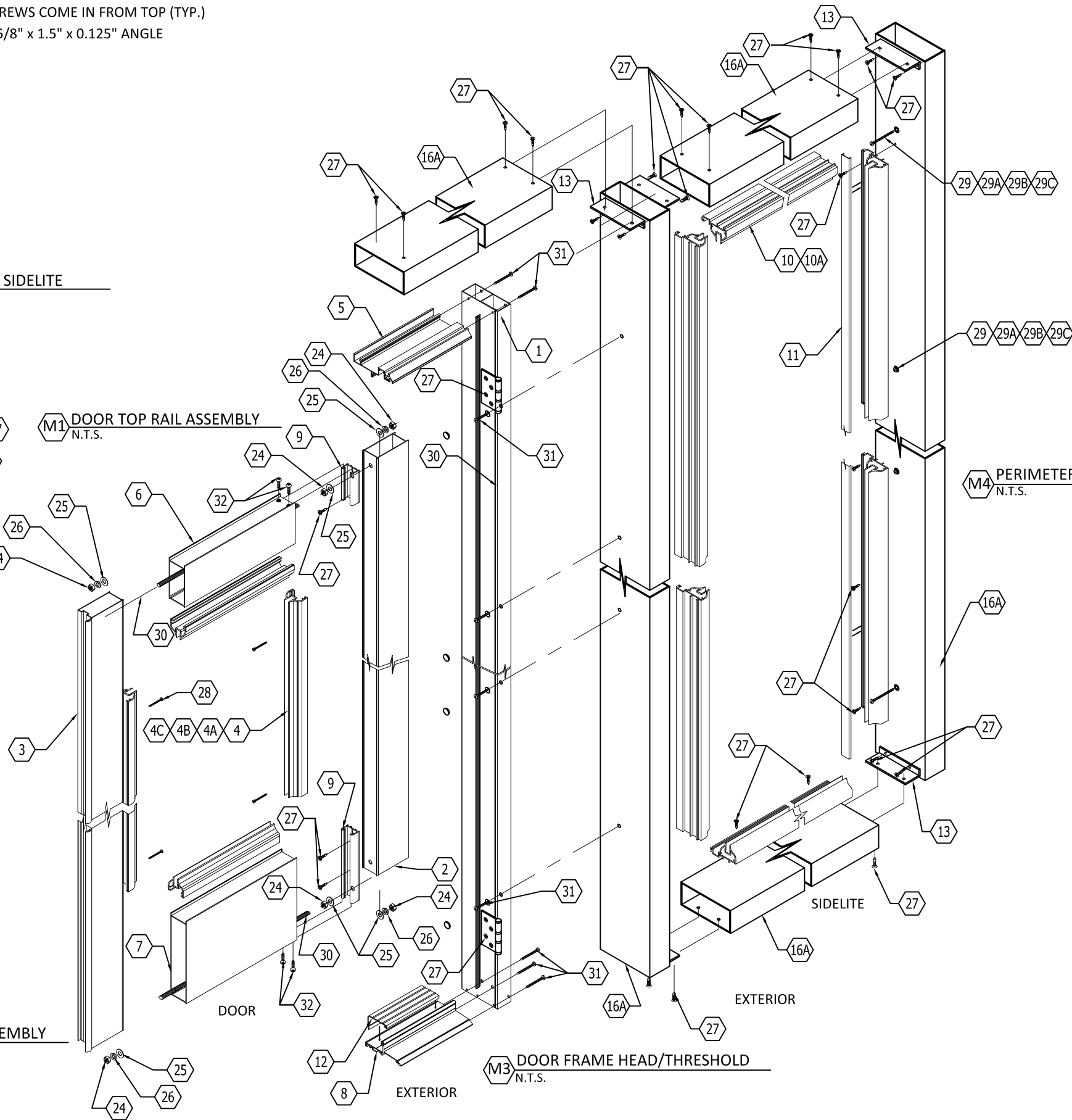
M6 MULLION W/ CLIP BETWEEN DOOR & SIDELITE - BOTTOM
N.T.S.

M2 DOOR BOTTOM RAIL ASSEMBLY
N.T.S.

M1 DOOR TOP RAIL ASSEMBLY
N.T.S.

M3 DOOR FRAME HEAD/THRESHOLD
N.T.S.

M4 PERIMETER SIDELITE ASSEMBLY
N.T.S.



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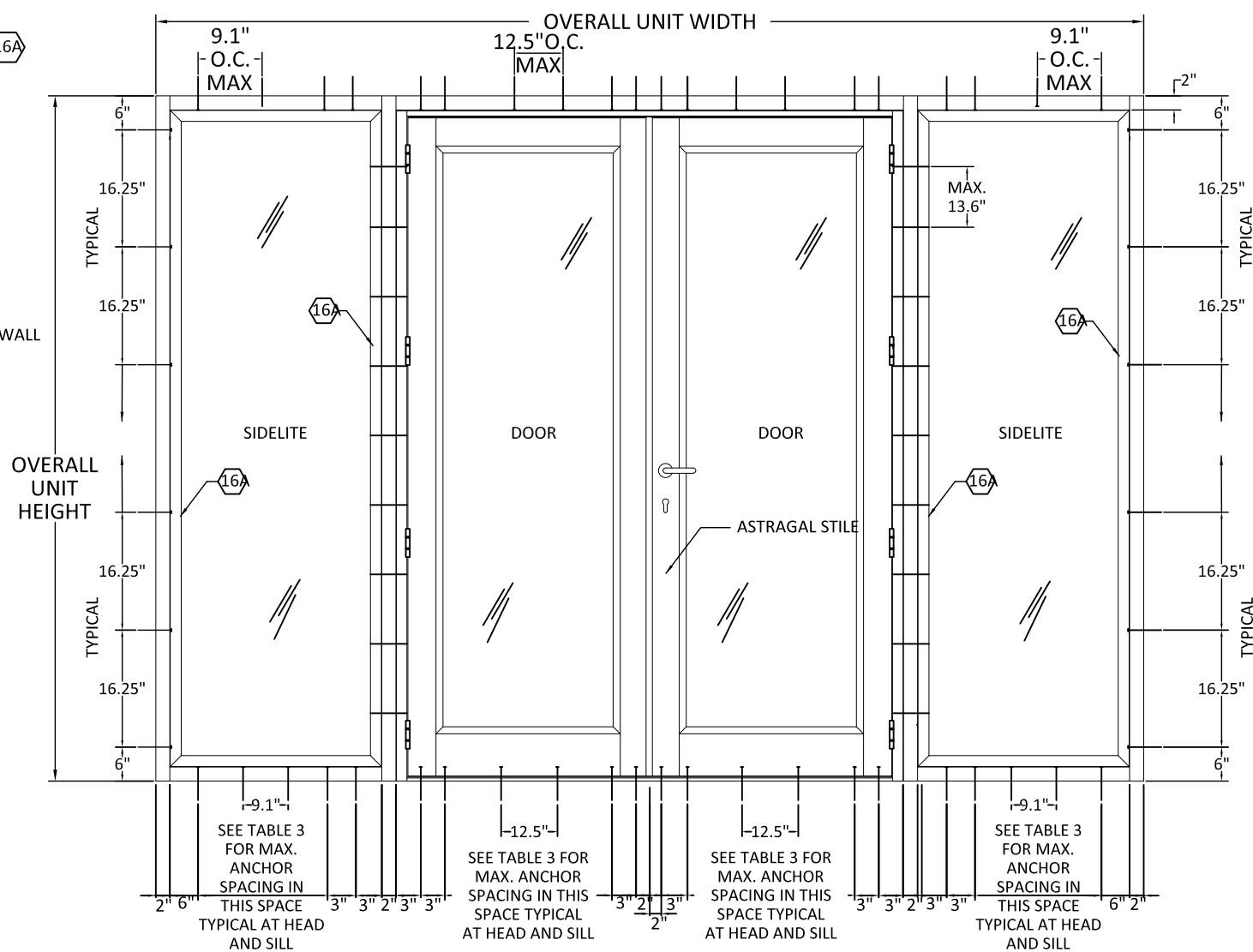
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OF 9



BALANCE OF ANCHORS, FOR CONCRETE AND WOOD SUBSTRATES, BETWEEN STARTER ANCHORS AND CLUSTERS AT MULLION SHALL BE EQUALLY SPACED, BUT SHALL NOT EXCEED THE MAXIMUM ANCHOR SPACING SHOWN IN TABLE 3 ON THIS PAGE..



1. THE DIAGRAM ABOVE SHOWS 1/4"Ø ANCHORS LOCATIONS THAT MUST BE USED FOR ALL DOOR & SIDELITE SIZES. MAXIMUM ANCHOR SPACING BETWEEN THE STARTER ANCHOR & CLUSTER OR MAXIMUM ANCHOR SPACING BETWEEN CLUSTERS CAN BE FOUND IN TABLE 3, THIS PAGE.

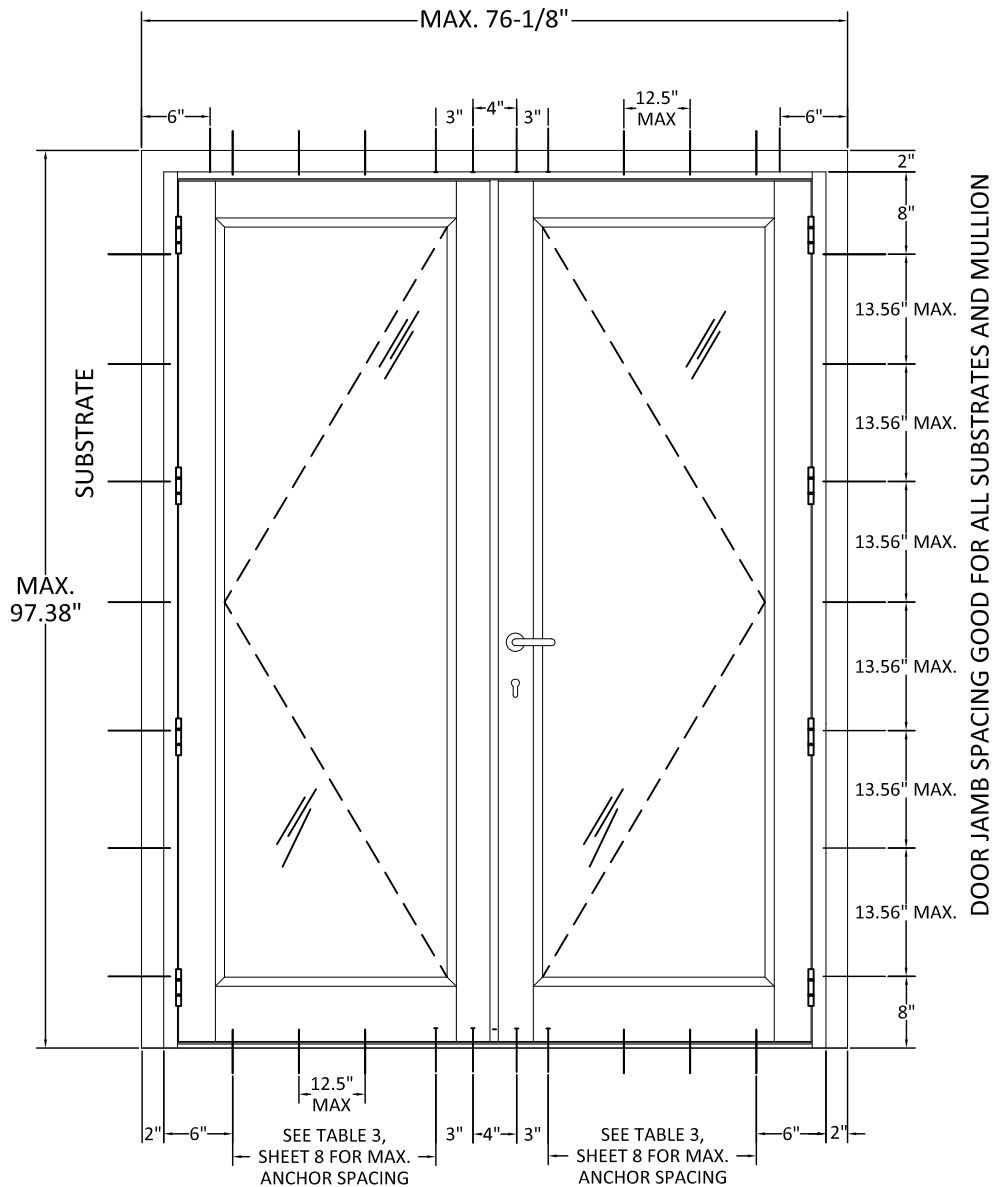
TABLE 3 - DOOR & SIDELITE MAXIMUM ANCHOR PERIMETER SPACING ALLOWED EXCEPT CLUSTERS AT DOOR ASTRAGAL (MEETING STILES) AND MULLION ENDS (SEE SHEET 1 & 2)							
SUBSTRATES	SIDELITE JAMB TO WALL (in)	MIN. 2 ANCHORS		DOOR JAMB OR SIDELITE TO MULLION (in)	MIN. 2 ANCHORS		DOOR THRESHOLD (in)
		SIDELITE HEAD (in)	SIDELITE SILL (in)		DOOR JAMB TO WALL (in)	DOOR HEAD (in)	
SG=0.55 WOOD CONCRETE	16.25	9.1	9.1	13.6	13.6	12.5	12.5
GROUT FILLED CMU HOLLOW CMU	16.25	N/A	N/A	13.6	13.6	N/A	N/A

ANCHOR REQUIREMENTS FOR SIDELITE AND DOOR CONNECTION TO VERTICAL MULLION
 ALL #10 GRADE 5 SCREWS, ITEM 31, CONNECTING THE SIDELITE AND OR DOOR TO THE 2" X 5" X 0.090" VERTICAL TUBE MULLION, ITEM 16A, TO BEGIN AND END AT 8" (STARTER FASTENER) FROM THE TOP AND BOTTOM OF THE 2" X 5" TUBE. THE BALANCE OF THE #10 GRADE 5 SCREWS BETWEEN THE STARTER FASTENERS SHALL BE EQUALLY SPACED, BUT SHALL NOT EXCEED THE MAXIMUM ANCHOR/FASTENER SPACING SHOWN IN TABLE 3 ON DRAWING PAGE 8 OF 9.

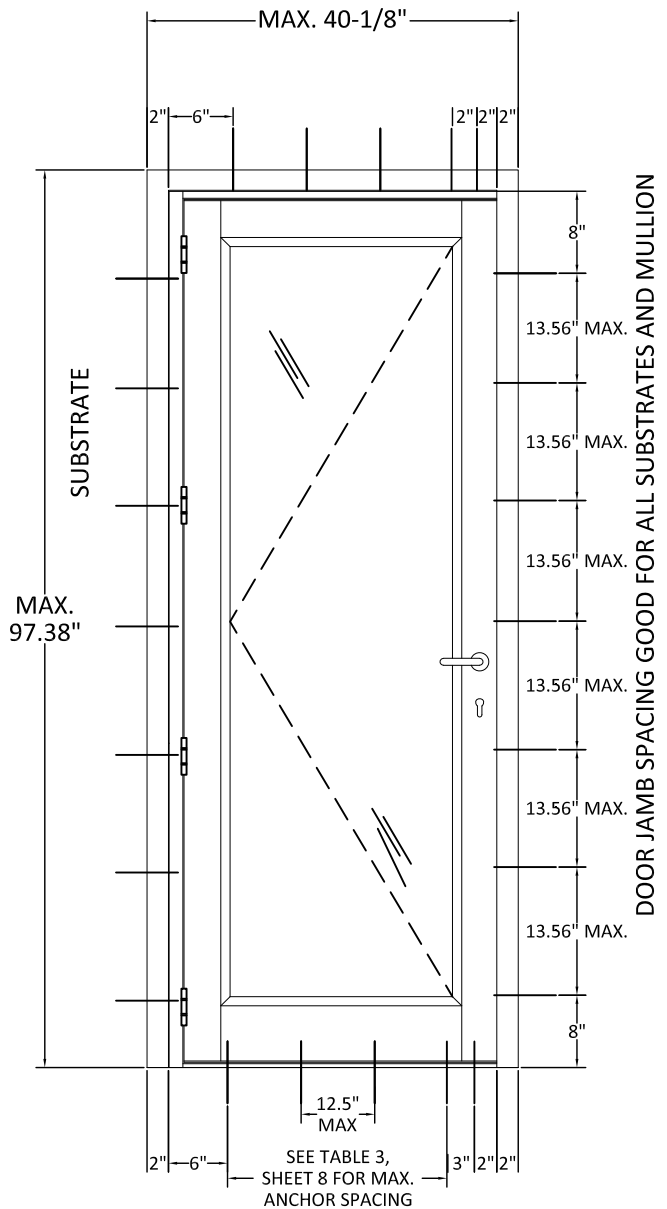
FL #:		FL20477	
DATE:		10.26.20	
DWG. BY:	FB	CHK. BY:	HFN
SCALE:		NTS	
DWG. #:		AIR007	
SHEET:		8	

10/15/2025 11:23 AM

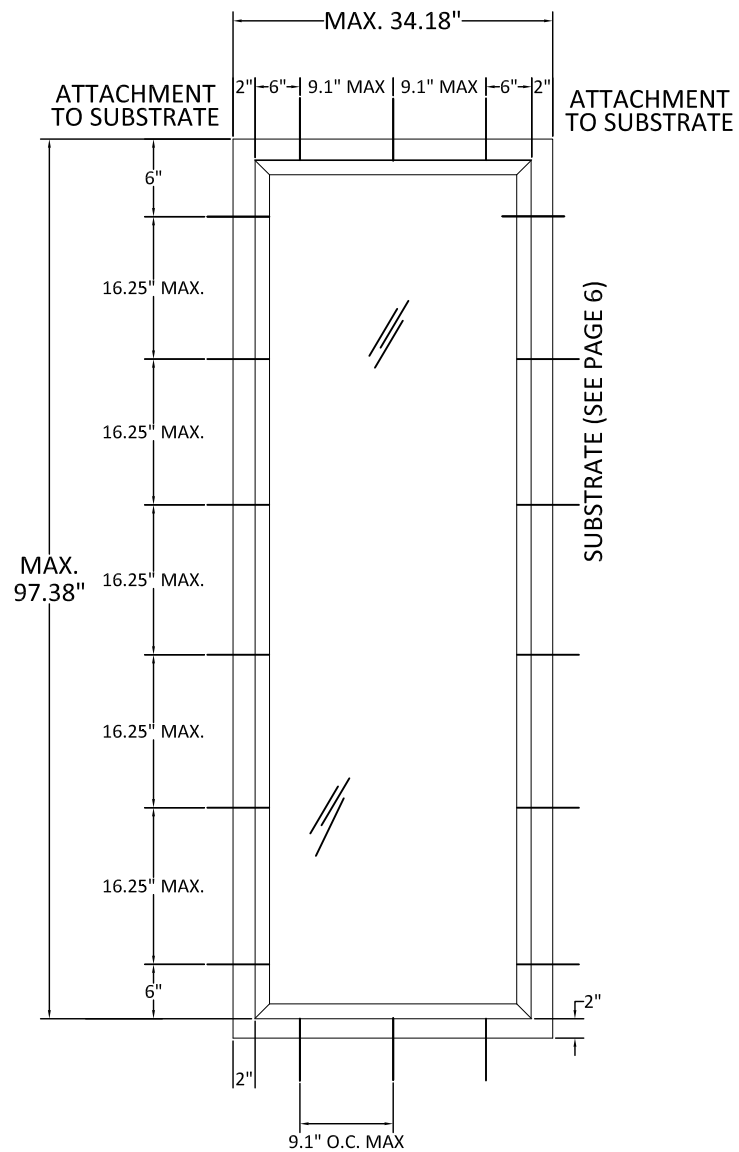
c:\users\dlaniwata\building drops, inc\building drops landing - common\projects\air master windows & doors\fbc-22-0263 - fbc submittal - f120477 revision\dwgs\air007.dwg



Q DOUBLE DOOR
N.T.S.



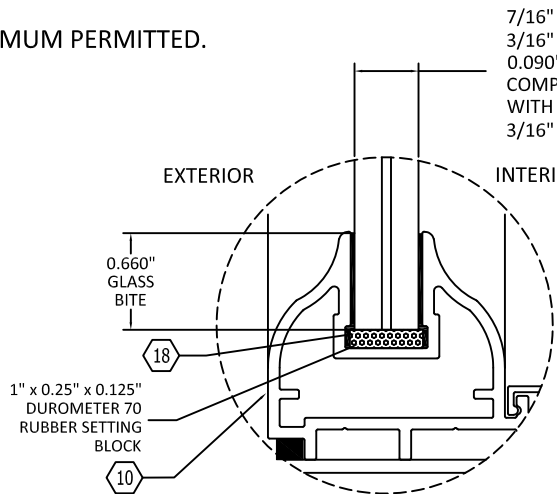
R SINGLE DOOR
N.T.S.



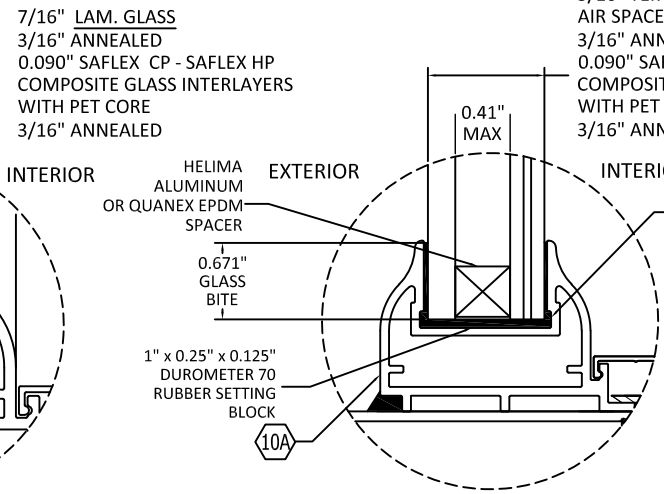
S SINGLE SIDELIGHT
N.T.S.

NOTE:

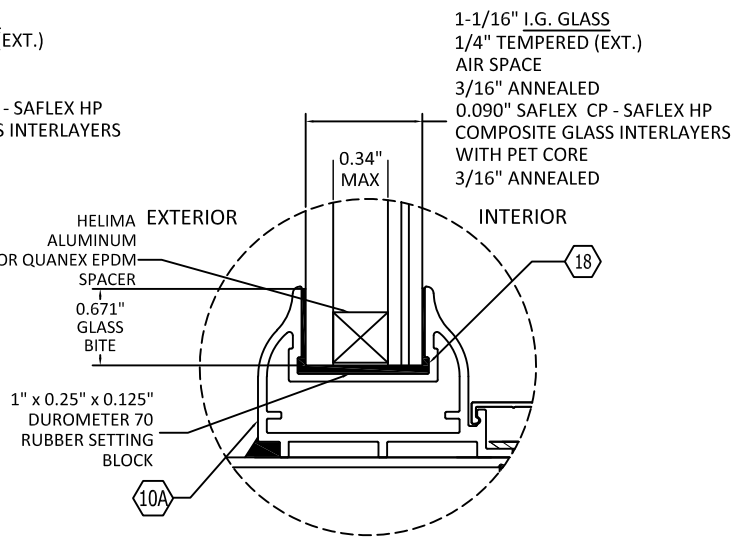
1. ALL ANCHORS SPACING SHOWN ABOVE IS THE MAXIMUM PERMITTED.



SIDELITE GLAZING DETAIL 1



SIDELITE GLAZING DETAIL 2



SIDELITE GLAZING DETAIL 3

AIR MASTER GROUP

BARCELONETA ROAD #2 KM 56.7
BARCELONETA, PUERTO RICO, 00617
PH: (787) 846-2110

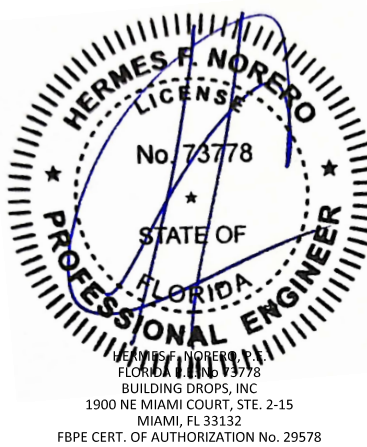
TITLE:
SERIES CONTINENTAL OUTSWING
ALUMINUM GLASS DOOR
(HVHZ)/(IMPACT)

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954) 395-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
NEW LOCK ADDITION	SM	7/11/21
ALTERNATE SILL ADD.	FB	8/26/25

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.



FL #:	FL20477
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SHEET:	9