

MW Millworks LLC

SERIES WOOD INSWING IMPACT ENTRY DOORS

INSTALLATION ANCHORAGE DETAILS

GENERAL NOTES:

1. THIS PRODUCT HAS BEEN EVALUATED TO COMPLY WITH THE 9TH EDITION (2026) FLORIDA BUILDING CODE— BUILDING AND RESIDENTIAL VOLUMES INCLUDING THE HIGH VELOCITY HURRICANE ZONES (HVHZ) AND IS BASED ON TESTING CONDUCTED TO ASTM E330, ASTM E1886, ASTM E1996, TAS 202, TAS 201 & TAS—203 TEST PROTOCOLS DOCUMENTED IN TEST REPORT NO. FTL—10438.
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE, MASONRY AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
3. 1X BUCK OVER MASONRY AND/OR CONCRETE IS OPTIONAL. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF THE INSTALLATION METHODS DEVIATE FROM THESE APPROVED DETAILS THIS WOULD REQUIRE FURTHER INVESTIGATION BY A LICENSED OR REGISTERED DESIGN PROFESSIONAL.
5. ALL SETTING BLOCKS SHALL BE IN COMPLIANCE WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE. SETTING BLOCKS SHALL BE NEOPRENE WITH A 70 TO 90 SHORE A DUROMETER.
6. IN AREAS WHERE WINDBORNE DEBRIS PROTECTION REQUIREMENTS EXIST, USE OF AN IMPACT PROTECTIVE SYSTEM COMPLYING WITH THE FBC REQUIREMENTS FOR WINDBORNE DEBRIS REGIONS SHALL NOT BE REQ'D.
7. MATERIALS:

7.1. FRAME:WOOD WITH SPECIFIC GRAVITY = 0.50.

7.2. CLADDING:ALUMINUM 6063—T5.

7.3. MISC.COMPONENTS: ALUMINUM 6063—T5.

7.4. SILL: ALUMINUM 6060—T66
8. GLAZING AND OPAQUE INFILLS:

8.1. GLASS MEETS THE REQUIREMENTS OF ASTM E1300—2024.

8.2. SEE GLAZING AND INFILL DETAILS ON SHEET 12 OF 12.

8.3. GLASS SHALL COMPLY WITH THE SAFETY GLAZING REQUIREMENTS OF THE FLORIDA BUILDING CODE, SECTION 2406 AS APPLICABLE.
9. HARDWARE:

9.1. EMTEK SERIES 8455 SERIES DEADBOLT AND 8100 PASSAGE LOCK.

9.2. BALDWIN SERIES 8231—102 DEADBOLT AND 5510 PASSAGE LOCK.

9.3. HOPPE HLS 9000 SERIES MULTI—POINT LOCK SYSTEM AND SHOOTBOLT.

9.4. IVES SB453 8” SURFACE BOLTS.

9.5. ENDURA Z SERIES O.S. BUMP SILL.

9.6. ENDURA Z SERIES ADJUSTABLE I.S. SILL.

9.7. SCHLEGAL SERIES 2200 HYDROSILL.
10. PANEL OPERABILITY DESIGNATIONS:

10.1. DOOR IS AN OPERABLE PANEL (X).

10.2. DOOR IS A STATIONARY PANEL (O).

INSTALLATION NOTES:

1. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH A LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16” OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4”.
2. FOR ANCHORING THROUGH FRAME OR ANCHOR CLIP INTO MASONRY/CONCRETE USE 1/4” ITW TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE THE FOLLOWING:

2.1. CONCRETE: 1—1/2” MINIMUM EMBEDMENT INTO SUBSTRATE WITH 1—1/2” MINIMUM EDGE DISTANCE.

2.2. CMU/MASONRY: 1” MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2” MINIMUM EDGE DISTANCE.
3. ANCHORING INTO WOOD SHALL BE AS FOLLOWS:

3.1. FOR ANCHORING THROUGH FRAME OR ANCHOR CLIP INTO WOOD FRAMING OR 2X BUCK USE #12 WOOD SCREWS PER (ANSI B18.6.1) WITH MINIMUM GRADE 2 STRENGTH AND WITH SUFFICIENT LENGTH TO ACHIEVE 1—1/2” MINIMUM EMBEDMENT INTO SUBSTRATE WITH 7/8” MINIMUM EDGE DISTANCE.
4. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

4.1. WOOD — MINIMUM SPECIFIC GRAVITY OF 0.55 (HVHZ), 0.42 (NON—HVHZ).

4.2. CONCRETE — MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI.

4.3. MASONRY — STRENGTH CONFORMANCE TO ASTM C—90 MEDIUM WEIGHT WITH COMPRESSIVE STRENGTH OF 1900 psi (DENSITY > 117 PCF).
5. FASTENER CORROSION PROTECTION:

5.1. ALL FASTENERS SHALL BE CORROSION RESISTANT, OR HAVE A CORROSION RESISTANT COATING. SEE NOTE 5.2 BELOW.

5.2. FASTENERS EXPOSED TO SALTWATER ENVIRONMENTS WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL COMPLY WITH SECTION 1711 OF THE 9TH EDITION (2026) FLORIDA BUILDING CODE AND SECTION R332 OF THE 9TH EDITION (2026) FLORIDA RESIDENTIAL CODE WHEN APPLICABLE.

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11	COMPONENTS
12	BILL OF MATERIALS & GLAZING DETAILS

PROJECT NO. ACE-2026-110

MW MILWORKS, LLC
7225 PEPPERMILL PARKWAY
NORTH CHARLESTON, SC 29418

SERIES WOOD INSWING L.M. IMPACT ENTRY DOOR SYTEM
GENERAL NOTES

DRAWN BY: JRM

DATE: 05-28-2021

SCALE: N.T.S.

SHEET: 1 OF 12

AMORUSO CONSULTING ENG., LLC
FBPE REGISTRATION NO. 38327
226 N NOVA RD, NO. 142
ORMOND BEACH, FL 32174
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UPDATE TO 9TH ED. (2026) FBC

UPDATE TO 8TH ED. (2023) FBC

DESCRIPTION

REV

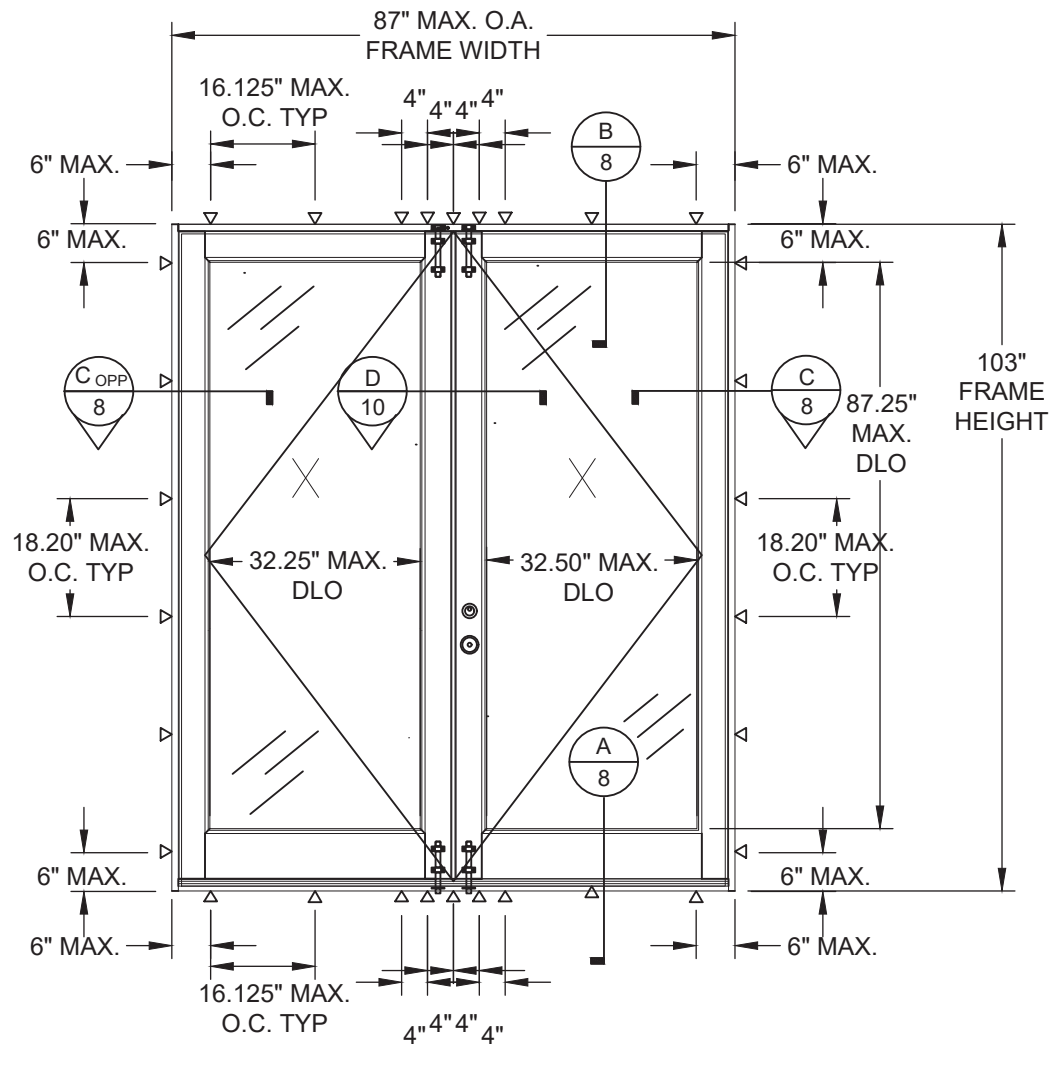
DATE

BY

Robert J. Amoruso, P.E.
Florida P.E. No. 49752



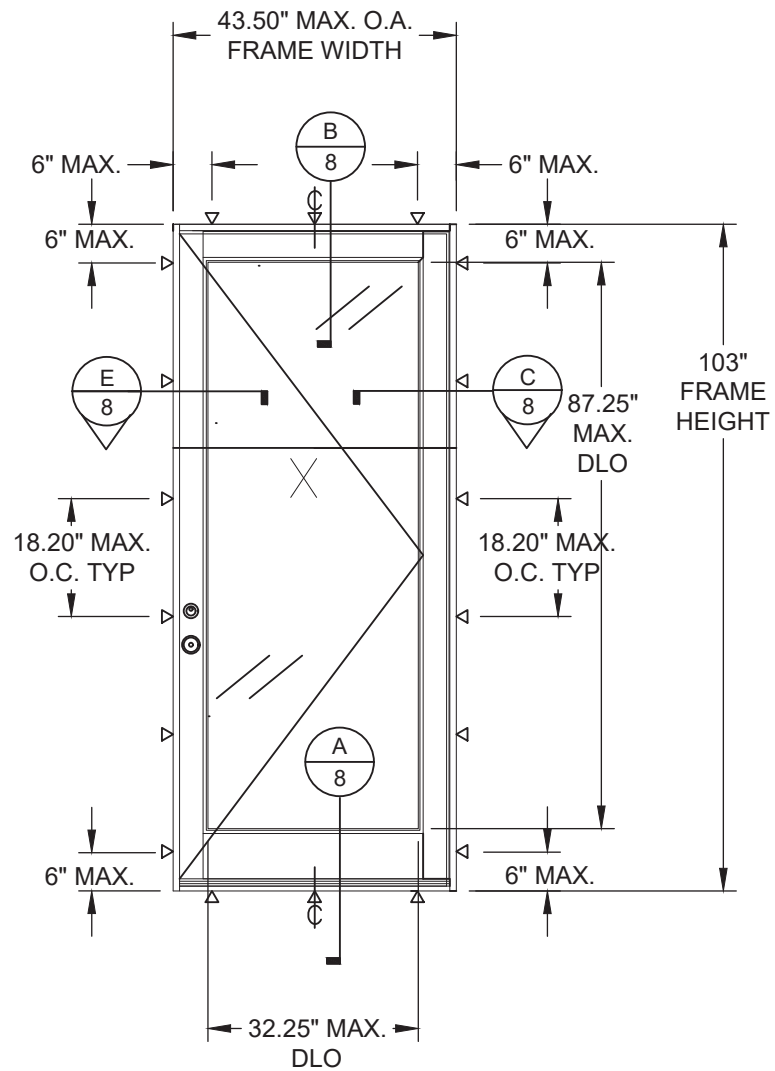
SIGNED/SEALED: 8/3/26



ELEVATION LAYOUT
DOUBL ENTRY DOOR (XX)

HARDWARE NOTES:

1. DOUBLE ENTRY DOOR WITH DEADBOLT AND PASSAGE LOCK REQUIRE SURFACES BOLTS.
2. SEE HARDWARE NOTES ON SHEET 1, NOTE 9 FOR ALL HARDWARE TYPES AS APPROVED BY TEST.



ELEVATION LAYOUT
SINGLE ENTRY DOOR (X)

DESIGN PRESSURE RATING (PSF) INSWING THRESHOLD			
MAX. OVERALL TESTED FRAME SIZE (IN)	MAX. DESIGN PRESSURE (PSF) (SEE NOTES BELOW)	QUALIFIED CONFIGURATION	IMPACT RATING HVHZ & NON-HVHZ WIND ZONE 4
43.50" X 103"	+/- 55.0 PSF	X	LARGE MISSILE AND WIND ZONE 4, MISSILE LEVEL D
87" X 103"	+/- 55.0 PSF	XX	
SEE GLAZING DETAILS ON SHT. 12			
THIS PRODUCT WAS NOT TESTED FOR WATER PENETRATION RESISTANCE, THEREFORE THE PRODUCT INSTALLATION MUST MEET ONE OF THE FOLLOWING REQUIREMENTS.			
(1) DOOR ASSEMBLY MAY BE INSTALLED IN NON-HABITABLE AREAS WHERE THE DOOR ASSEMBLY AND AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION.			
(2) WHERE AN OVERHANG MEETING THE REQUIREMENTS OF THE 9th EDITION (2026) FLORIDA BUILDING CODE, SECTION 1709.5.2 HAS BEEN EMPLOYED.			

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NORTH CHARLESTON, SC 29418
SERIES WOOD INSWING L.M. IMPACT ENTRY DOOR SYTEM
ELEVATION AND ANCHOR LAYOUTS

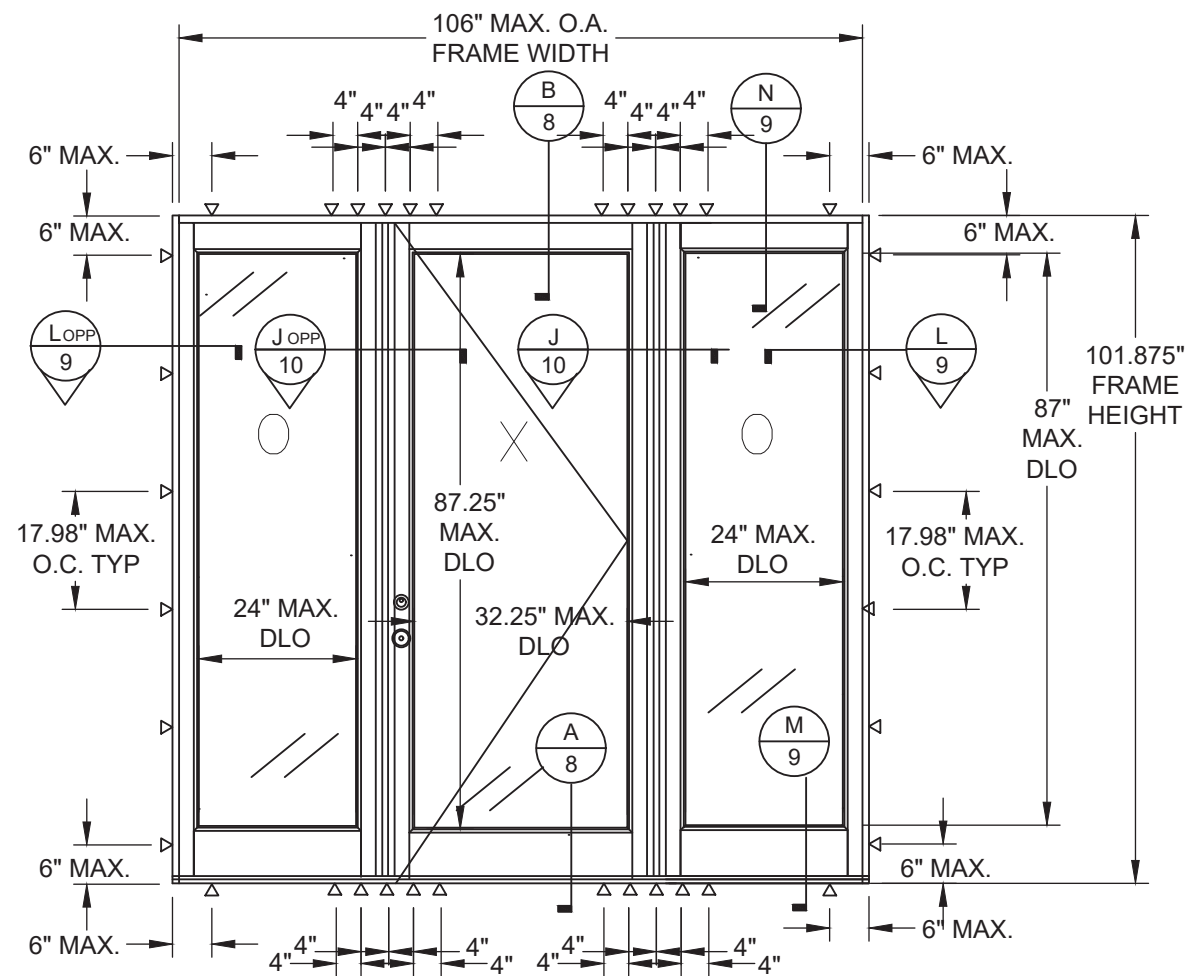
DRAWN BY: JRM
SCALE: N.T.S.
REV: B
DATE: 05-28-2021
DRAWING NO: MWM0001
SHEET: 2 OF 12

UPDATE TO 9TH ED. (2026) FBC
UPDATE TO 8TH ED. (2023) FBC
DESCRIPTION
REV
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BY

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Florida P.E. No. 49752



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ELEVATION LAYOUT
SINGLE ENTRY DOOR
W/ SIDELITE (O-X-O)

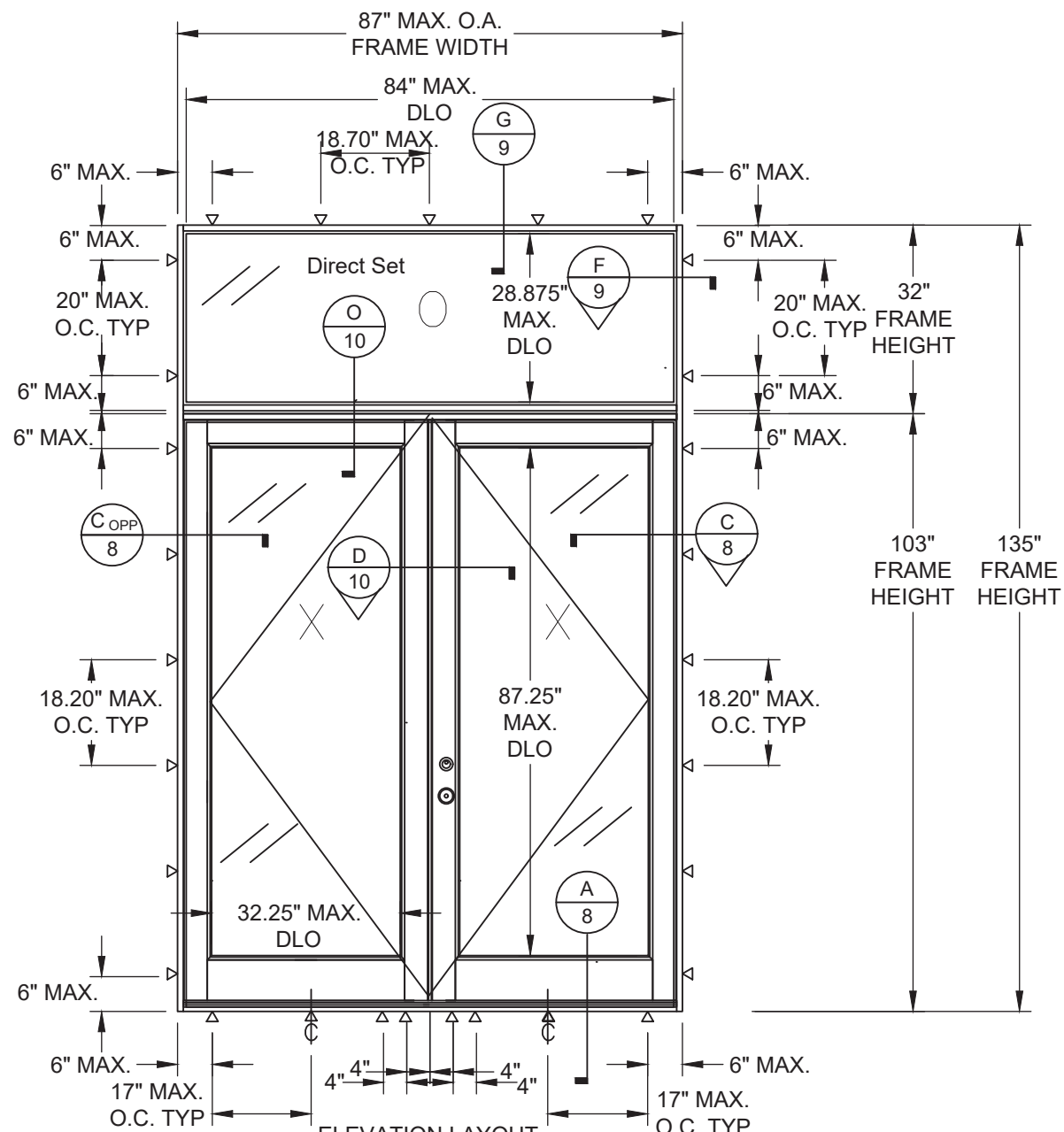
MULTIPLE UNIT NOTES:

1. FOR ALL DETAIL NOT SHOWN SEE INDIVIDUAL UNIT ELEVATIONS.
2. O-X-O UNIT WITH SIDELITE IS SHOWN. ALL OTHER FIXED / OPERABLE COMBINATIONS ALSO APPLY WITH THE MULLION CONDITION SHOWN. UNITS MAY BE DIRECT SET OR SIDELITE TYPES.

HARDWARE NOTES:

1. DOUBLE ENTRY DOOR WITH DEADBOLT AND PASSAGE LOCK REQUIRE SURFACES BOLTS.
2. SEE HARDWARE NOTES ON SHEET 1, NOTE 9 FOR ALL HARDWARE TYPES AS APPROVED BY TEST.

DESIGN PRESSURE RATING (PSF) INSWING THRESHOLD			
MAX. OVERALL TESTED FRAME SIZE (IN)	MAX. DESIGN PRESSURE (PSF) WHERE WATER INFILTRATION IS NOT REQUIRED	QUALIFIED CONFIGURATION	IMPACT RATING HVHZ & NON-HVHZ WIND ZONE 4
106" X 101.875"	+/- 55.0 PSF	O-X-O	LARGE MISSILE
87" X 135"	+/- 55.0 PSF	O/XX	LARGE MISSILE
SEE GLAZING DETAIL ON SHT. 12			



ELEVATION LAYOUT
DOUBLE ENTRY DOOR
W/ DIRECT SET TRANSOM (O/XX)

MULTIPLE UNIT NOTES:

1. FOR ALL DETAIL NOT SHOWN SEE INDIVIDUAL UNIT ELEVATIONS.
2. O/XX UNIT WITH DIRECT SET IS SHOWN. ALL OTHER FIXED / OPERABLE COMBINATIONS ALSO APPLY WITH THE MULLION CONDITION SHOWN. UNITS MAY BE DIRECT SET OR STD. TRANSOM TYPES.

DESIGN PRESSURE RATING (PSF) INSWING THRESHOLD			
MAX. OVERALL TESTED FRAME SIZE (IN)	MAX. DESIGN PRESSURE (PSF) WHERE WATER INFILTRATION IS REQUIRED	QUALIFIED CONFIGURATION	IMPACT RATING HVHZ & NON-HVHZ WIND ZONE 4
106" X 101.875"	+ 34.50 /- 55.0 PSF	O-X-O	LARGE MISSILE
87" X 135"	+ 34.50 /- 55.0 PSF	O/XX	LARGE MISSILE
SEE GLAZING DETAILS ON SHT. 12			

THIS SYSTEM DOES NOT MEET THE WATER INFILTRATION REQUIREMENTS OF THE FBC, SECTION 1709.5.1 AND MUST BE INSTALLED ONLY IN NON-HABITABLE AREAS OR HABITABLE LOCATIONS PROTECTED BY AN OVERHANG OR CANOPY SUCH THAT THE ANGLE BETWEEN THE EDGE OF CANOPY OR OVERHANG TO SILL IS NOT LESS THAN 45 DEGREES.

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7225 PEPPERMILL PARKWAY
NORTH CHARLESTON, SC 29418
SERIES WOOD INSWING L.M. IMPACT ENTRY DOOR SYTEM
ELEVATION AND ANCHOR LAYOUTS

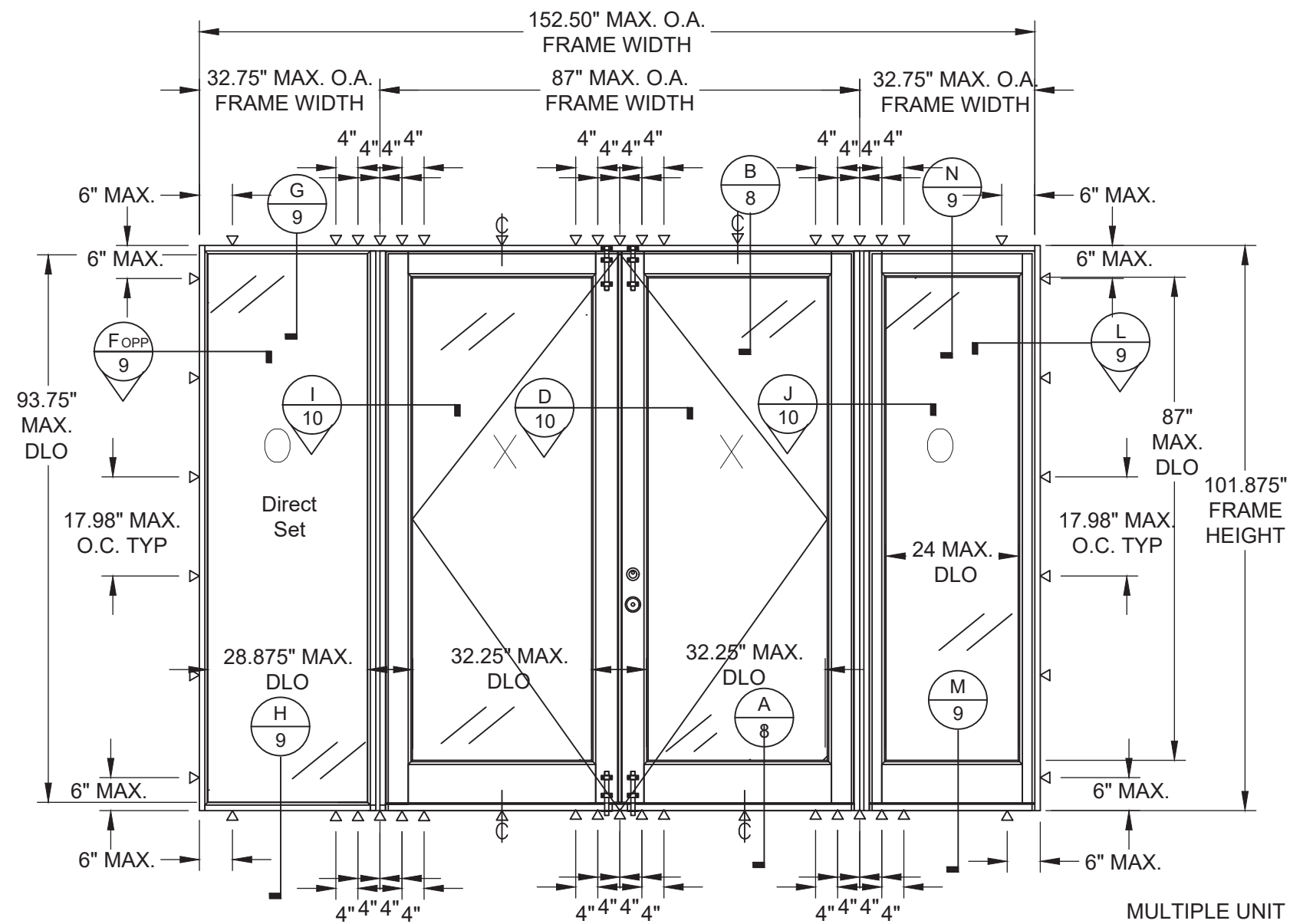
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REV: B
DATE: 05-28-2021
DRAWING NO: MWM0001
SHEET: 4 OF 12

UPDATE TO 9TH ED. (2026) FBC
UPDATE TO 8TH ED. (2023) FBC
DESCRIPTION
DATE
BY

Robert J. Amoruso, P.E.
Florida P.E. No. 49752



SIGNED/SEALED: 8/3/26



ELEVATION LAYOUT
DOUBLE ENTRY DOOR
W/ DIRECT SET & STD. SIDELITES (O-XX-O)

- HARDWARE NOTES:
- DOUBLE ENTRY DOOR WITH DEADBOLT AND PASSAGE LOCK REQUIRE SURFACES BOLTS.
 - SEE HARDWARE NOTES ON SHEET 1, NOTE 9 FOR ALL HARDWARE TYPES AS APPROVED BY TEST.

- MULTIPLE UNIT NOTES:
- FOR ALL DETAILS NOT SHOWN SEE INDIVIDUAL UNIT ELEVATIONS.
 - O-XX-O UNIT WITH SIDELITE AND DIRECT SET IS SHOWN. ALL OTHER FIXED / OPERABLE COMBINATIONS ALSO APPLY WITH THE MULLION CONDITION SHOWN. UNITS MAY BE DIRECT SET OR SIDELITE TYPES.

DESIGN PRESSURE RATING (PSF) INSWING THRESHOLD			
MAX. OVERALL TESTED FRAME SIZE (IN)	MAX. DESIGN PRESSURE (PSF) WHERE WATER INFILTRATION IS NOT REQUIRED	QUALIFIED CONFIGURATION	IMPACT RATING HVHZ & NON-HVHZ WIND ZONE 4
152" X 101.875"	+/- 55.0 PSF	O-XX-O	LARGE MISSILE
SEE GLAZING DETAILS ON SHT. 12			

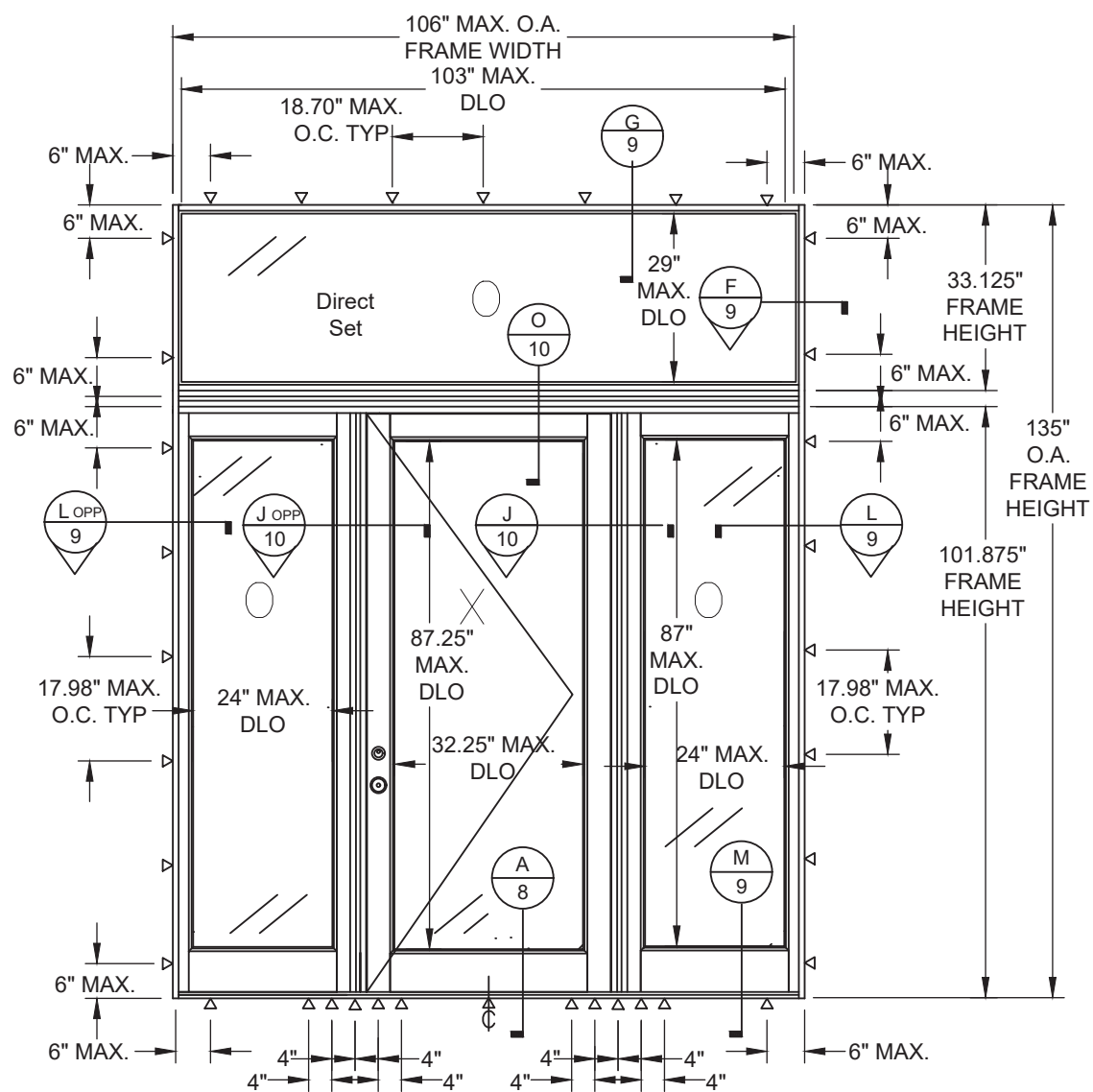
DESIGN PRESSURE RATING (PSF) INSWING THRESHOLD			
MAX. OVERALL TESTED FRAME SIZE (IN)	MAX. DESIGN PRESSURE (PSF) WHERE WATER INFILTRATION IS REQUIRED	QUALIFIED CONFIGURATION	IMPACT RATING HVHZ & NON-HVHZ WIND ZONE 4
152" X 101.875"	+ 34.50 /- 55.0 PSF	O-XX-O	LARGE MISSILE
SEE GLAZING DETAILS ON SHT. 12			
THIS SYSTEM WAS TESTED FOR LIMITED WATER INFILTRATION REQUIREMENTS OF THE FBC, SECTION 1709.5.1 AND MUST BE INSTALLED ONLY IN NON-HABITABLE AREAS OR HABITABLE LOCATIONS PROTECTED BY AN OVERHANG OR CANOPY MEETING THE REQUIREMENTS OF FBC SECTION 1709.5.1.			

PROJECT NO. ACE-2026-110			RJA		BY
			8/3/26		DATE
		UPDATE TO 9TH ED. (2026) FBC		3/4/24	
MW MILWORKS, LLC 7225 PEPPERMILL PARKWAY NORTH CHARLESTON, SC 29418 SERIES WOOD INSWING L.M. IMPACT ENTRY DOOR SYTEM ELEVATION AND ANCHOR LAYOUT					
		DRAWN BY: JRM	DATE: 05-28-2021		
		SCALE: N.T.S.	DRAWING NO: MWM0001		
AMORUSO CONSULTING ENG., LLC FBPE REGISTRATION NO. 38327 226 N NOVA RD, NO. 142 ORMOND BEACH, FL 32174 RJAENGPE@GMAIL.COM					
		REV: B	SHEET: 5 OF 12		

Robert J. Amoruso, P.E.
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SIGNED/SEALED: 8/3/26



ELEVATION LAYOUT
SINGLE ENTRY DOOR
W/ DIRECT SET TRANSOM &
STD. SIDELITES (O/O-X-O)

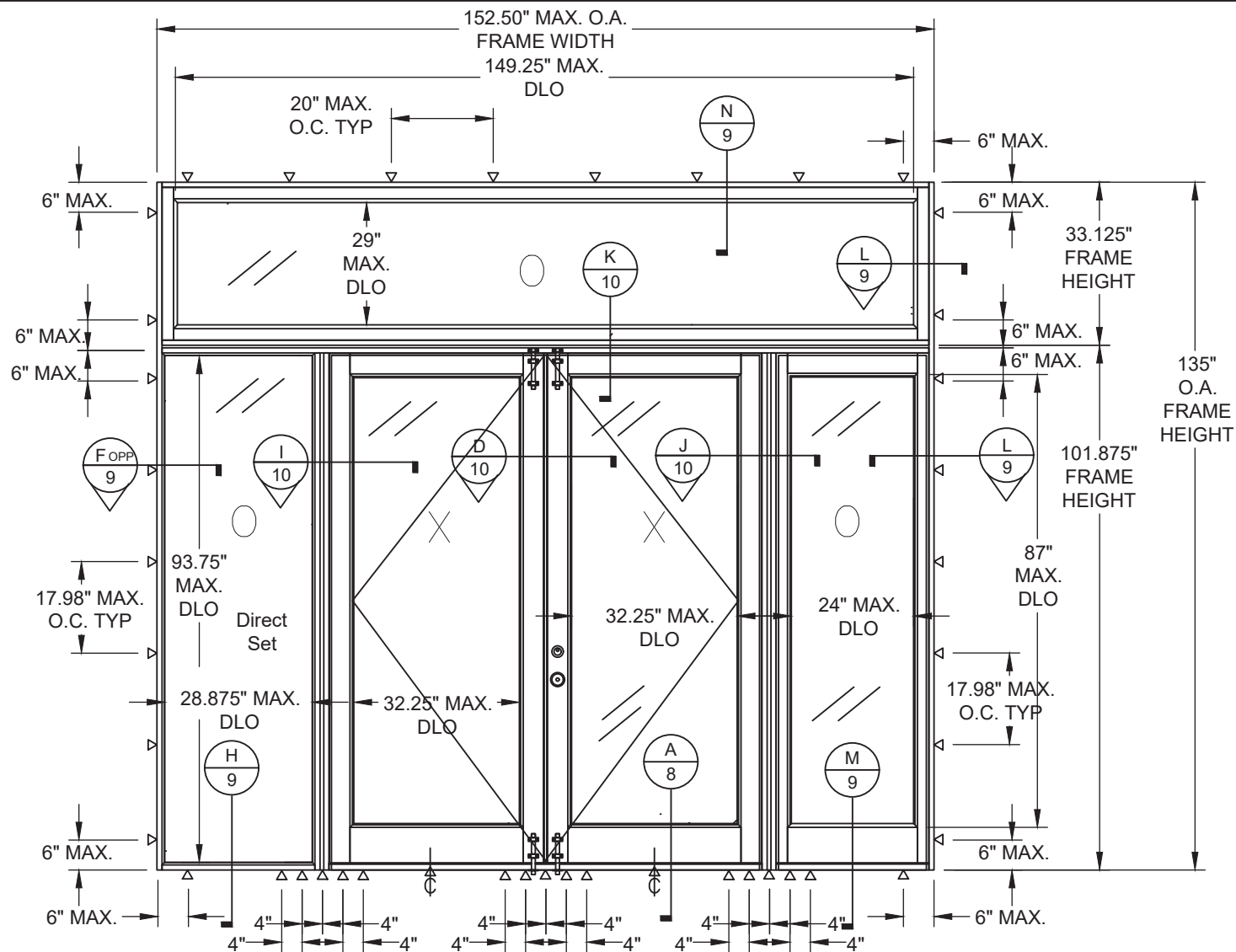
MULTIPLE UNIT NOTES:

- FOR ALL DETAIL NOT SHOWN SEE INDIVIDUAL UNIT ELEVATIONS.
- O/O-X-O UNIT WITH SIDELITES AND DIRECT SET TRANSOM IS SHOWN. ALL OTHER FIXED / OPERABLE COMBINATIONS ALSO APPLY WITH THE MULLION CONDITION SHOWN. UNITS MAY BE DIRECT SET OR SIDELITE TYPES.

HARDWARE NOTES:

- DOUBLE ENTRY DOOR WITH DEADBOLT AND PASSAGE LOCK REQUIRE SURFACES BOLTS.
- SEE HARDWARE NOTES ON SHEET 1, NOTE 9 FOR ALL HARDWARE TYPES AS APPROVED BY TEST.

DESIGN PRESSURE RATING (PSF) INSWING THRESHOLD			
MAX. OVERALL TESTED FRAME SIZE (IN)	MAX. DESIGN PRESSURE (PSF) WHERE WATER INFILTRATION IS NOT REQUIRED	QUALIFIED CONFIGURATION	IMPACT RATING HVHZ & NON-HVHZ WIND ZONE 4
106" X 135"	+/- 55.0 PSF	O/O-X-O	LARGE MISSILE
152.50" X 135"	+/- 55.0 PSF	O/O-XX-O	LARGE MISSILE
SEE GLAZING DETAILS ON SHT. 12			



ELEVATION LAYOUT
DOUBLE ENTRY DOOR
W/ TRANSOM & DIRECT SET
& STD. SIDELITES (O/O-XX-O)

MULTIPLE UNIT NOTES:

- FOR ALL DETAIL NOT SHOWN SEE INDIVIDUAL UNIT ELEVATIONS.
- O / O-XX-O UNIT WITH TRANSOM AND SIDELITE AND DIRECT SET SIDELITE IS SHOWN. ALL OTHER FIXED / OPERABLE COMBINATIONS ALSO APPLY WITH THE MULLION CONDITION SHOWN. UNITS MAY BE DIRECT SET OR SIDELITE TYPES.

DESIGN PRESSURE RATING (PSF) INSWING THRESHOLD			
MAX. OVERALL TESTED FRAME SIZE (IN)	MAX. DESIGN PRESSURE (PSF) WHERE WATER INFILTRATION IS REQUIRED	QUALIFIED CONFIGURATION	IMPACT RATING HVHZ & NON-HVHZ WIND ZONE 4
106" X 135"	+ 34.50 /- 55.0 PSF	O/O-X-O	LARGE MISSILE
152.50" X 135"	+ 34.50 /- 55.0 PSF	O/O-XX-O	LARGE MISSILE
SEE GLAZING DETAILS ON SHT. 12			
THIS SYSTEM WAS TESTED FOR LIMITED WATER INFILTRATION REQUIREMENTS OF THE FBC, SECTION 1709.5.1 AND MUST BE INSTALLED ONLY IN NON-HABITABLE AREAS OR HABITABLE LOCATIONS PROTECTED BY AN OVERHANG OR CANOPY MEETING THE REQUIREMENTS OF FBC SECTION 1709.5.1.			

PROJECT NO. ACE-2026-110

REV	DESCRIPTION	DATE	BY
B	UPDATE TO 9TH ED. (2026) FBC	8/3/26	RJA
A	UPDATE TO 8TH ED. (2023) FBC	3/4/24	RJA

MW MILWORKS, LLC
7225 PEPPERMILL PARKWAY
NORTH CHARLESTON, SC 29418
SERIES WOOD INSWING L.M. IMPACT ENTRY DOOR SYTEM
ELEVATION AND ANCHOR LAYOUTS

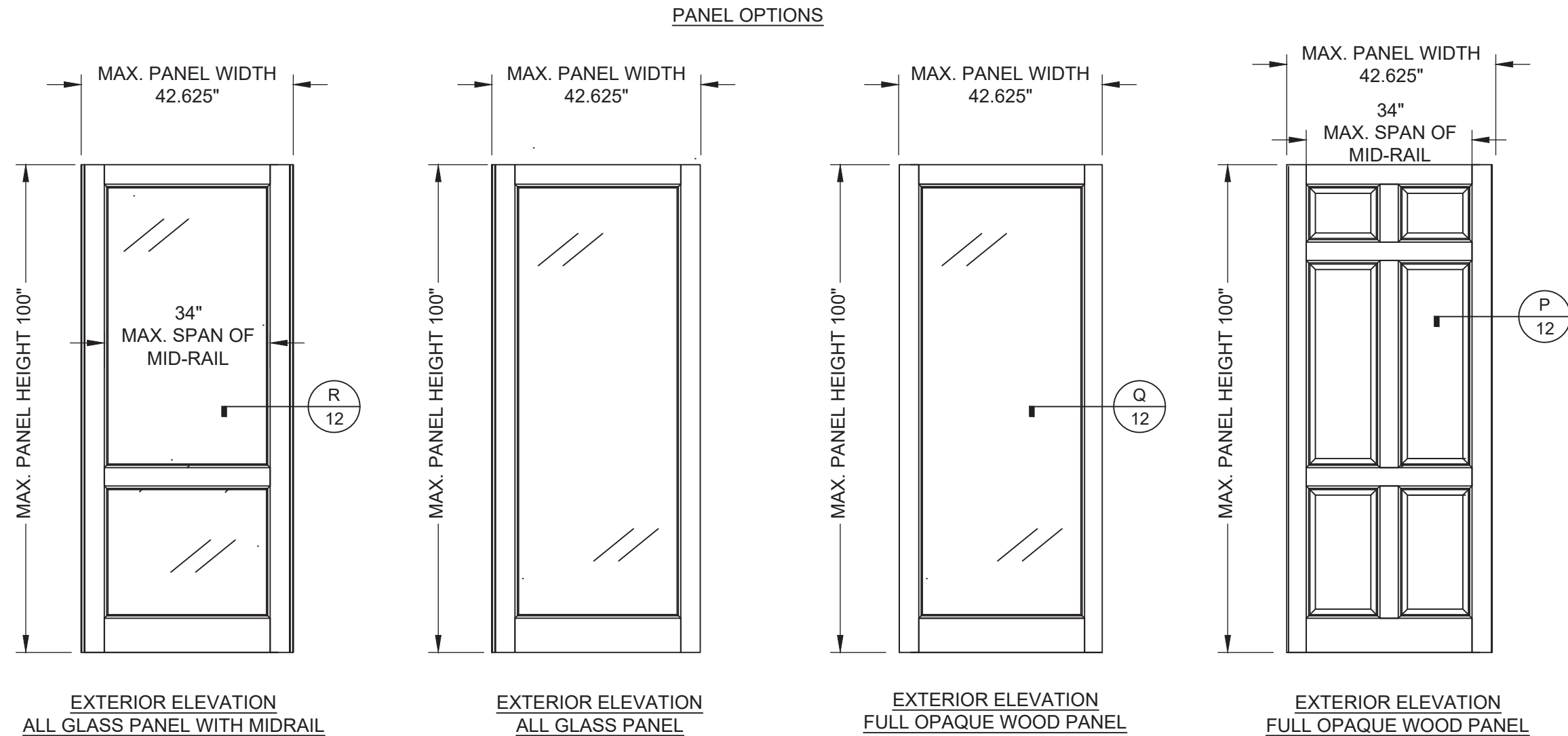
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SCALE: N.T.S.	DRAWING NO: MWM0001
REV: B	SHEET: 6 OF 12

AMORUSO CONSULTING ENG., LLC
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Robert J. Amoruso, P.E.
Florida P.E. No. 49752



SIGNED/SEALED: 8/3/26



- NOTES:
1. MID-RAIL MAY ONLY BE HORIZONTAL
 2. THERE IS NO LIMIT TO THE NUMBER OF MID-RAILS IN ONE PANEL.
 3. POSITION OF MID-RAIL IS NOT LIMITED.

- WOOD PANEL NOTES:
1. WOOD PANELS ARE MADE UP OF 3/4" MARINE PLYWOOD.
 2. OTHER WOOD MAY BE ADDED TO THE INTERIOR &/ OR EXTERIOR FACE OF THE PLYWOOD TO CREATE RAISED PANELS, TONGUE AND GROOVE PANELS, LOUVERED PANELS ETC.

- NOTES:
1. MID-RAIL MAY ONLY BE HORIZONTAL
 2. THERE IS NO LIMIT TO THE NUMBER OF MID-RAILS IN ONE PANEL.
 3. POSITION OF MID-RAIL IS NOT LIMITED.
 4. SECONDARY MID-RAILS MAY BE PLACE WITHIN THE WOOD PANEL SECTION AND MAY BE HORIZONTAL OR VERTICAL PROVIDING THE MAX. MID-RAIL SPAN SPECIFIED IS NOT EXCEEDED.
 5. OPAQUE PANELS (P/12) AND (Q/12) ARE APPROVED.

HARDWARE TABLE	
MANUFACTURER	MODEL
EMTEK	SERIES 8455 DEADBOLT & 8100 PASSAGE LOCK
BALDWIN	SERIES 8231 DEADBOLT & 5510 PASSAGE LOCK
HOPPE	HLS 9000 SERIES MULTI POINT LOCK & SHOOT BOLT

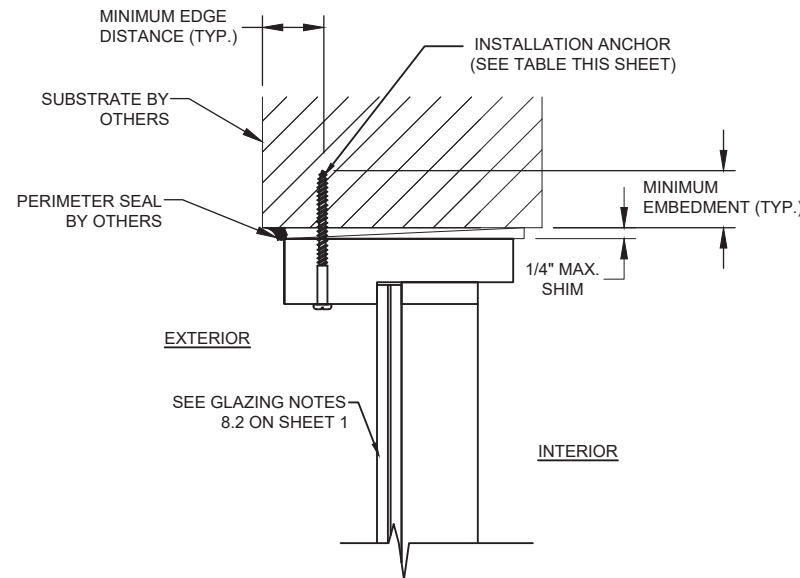
PROJECT NO. ACE-2026-110				RJA	BY
				8/3/26	DATE
		UPDATE TO 9TH ED. (2026) FBC			
	B				
	A	UPDATE TO 8TH ED. (2023) FBC		3/4/24	
	REV	DESCRIPTION			

MW MILWORKS, LLC 7225 PEPPERMILL PARKWAY NORTH CHARLESTON, SC 29418 SERIES WOOD INSWING L.M. IMPACT ENTRY DOOR SYTEM PANEL OPTIONS ELEVATION		DATE:	05-28-2021
		DRAWN BY:	JRM
		SCALE:	N.T.S.
AMORUSO CONSULTING ENG., LLC FBPE REGISTRATION NO. 38327 226 N NOVA RD, NO. 142 ORMOND BEACH, FL 32174 RJAENGPE@GMAIL.COM		DRAWING NO:	MWM0001
		REV:	B
		SHEET:	7 OF 12

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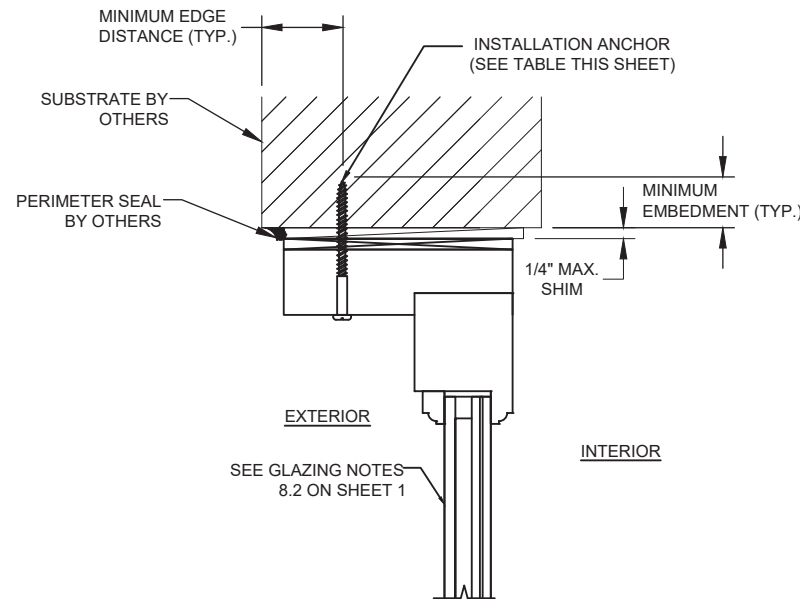


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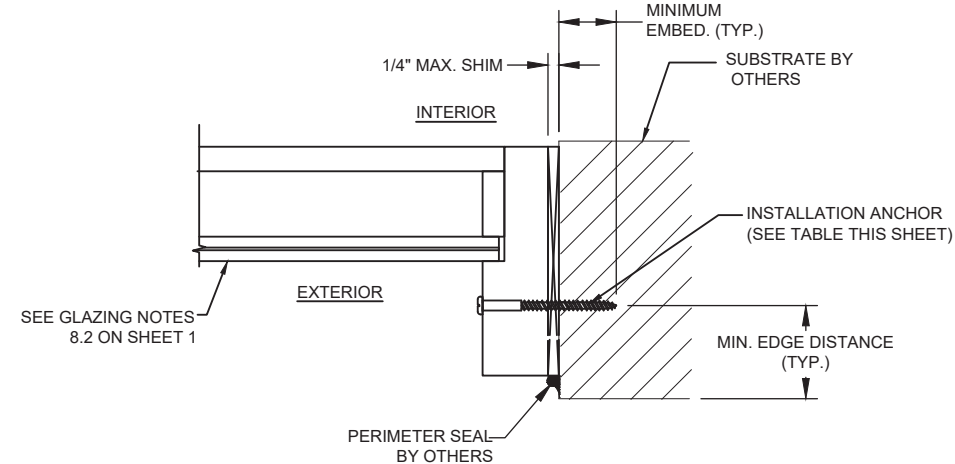
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**ANCHOR DETAIL
DIRECT SET HEAD
THROUGH FRAME**



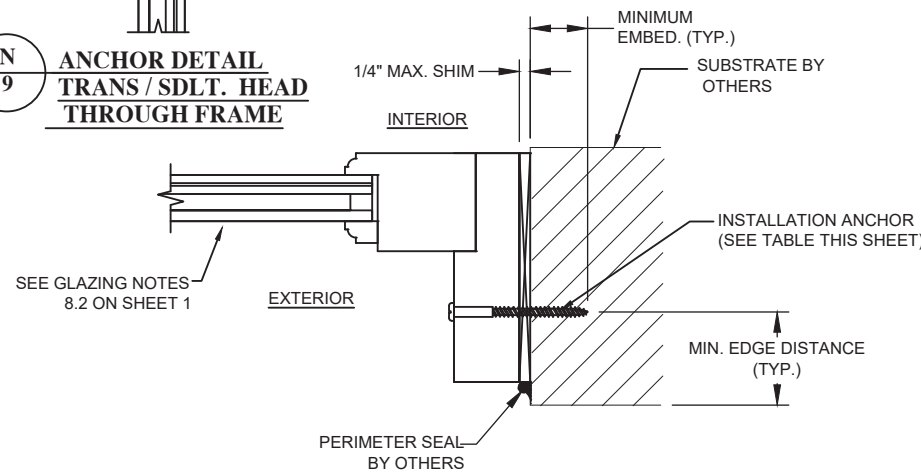
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**ANCHOR DETAIL
TRANS / SDLT. HEAD
THROUGH FRAME**



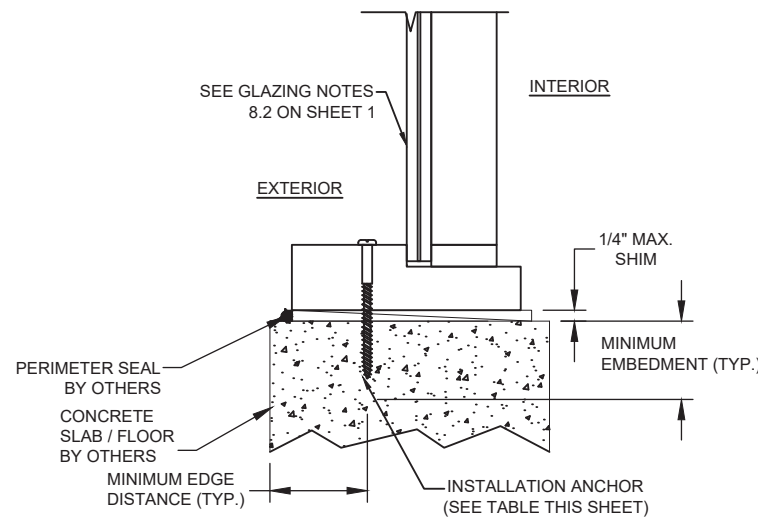
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**ANCHOR DETAIL
DIRECT SET JAMB
THROUGH FRAME**



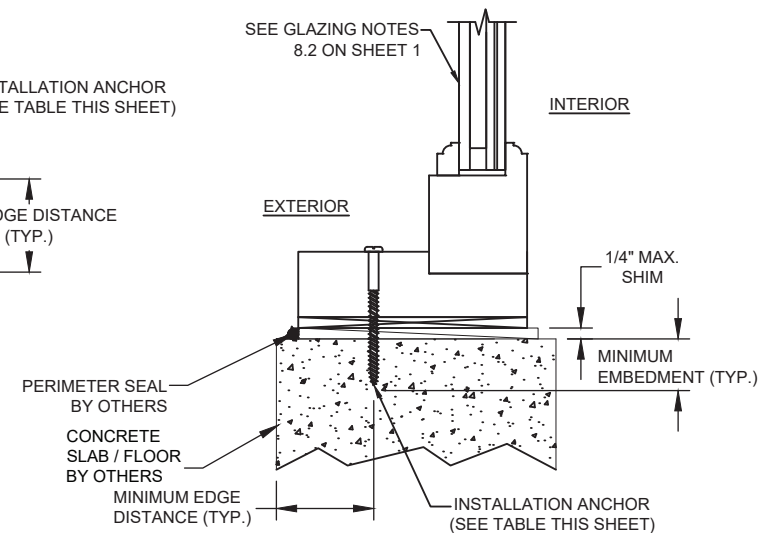
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**ANCHOR DETAIL
SIDELITE JAMB
THROUGH FRAME**



H
9

**ANCHOR DETAIL
DIRECT SET SILL
THROUGH FRAME**



M
9

**ANCHOR DETAIL
SIDELITE SILL
THROUGH FRAME
(SEE NOTE 1, THIS SHEET)**

INSTALLATION ANCHOR REQUIREMENTS TABLE					
ANCHOR REQUIREMENTS					
ANCHORING METHOD	SUBSTRATE		ANCHOR SCHEDULE	MIN. EMBED. (IN)	MIN. EDGE DISTANCE (IN)
THROUGH FRAME	WOOD	MIN. 0.42 S.G. (NON-HVHZ) & 0.55 S.G. (HVHZ)	#12 WOOD SCREW	1-1/2	7/8"
	CONCRETE	2500 PSI MIN. CONCRETE	1/4 ITW TAPCON	1-1/2	1-1/2
	CMU	ASTM C90 MED. WT. (DENSITY) > 117 PCF) MASONRY (CMU) MIN.	1/4 ITW TAPCON	1	2
NOTES:	1)	CONCRETE AND MASONRY (BLOCK/CMU) SUBSTRATE ANCHORS TO BE 1/4" DIAMETER ITW CONCRETE SCREWS.			
	2)	WOOD FRAME SUBSTRATE ANCHORS USE NO. 12 WOOD SCREW ANCHORS (ANSI B18.6.1) WITH MIN. GRADE 2 STRENGTH.			

NOTE 1: WOOD THRESHOLD (ITEM NO. 2) SHOWN.
ALUMINUM THRESHOLD (ITEM NO. 15 & 16) ALSO
APPROVED

PROJECT NO. ACE-2026-110

		RJA	BY
	8/3/26		
UPDATE TO 9TH ED. (2026) FBC		RJA	
UPDATE TO 8TH ED. (2023) FBC	3/4/24		
REV	DESCRIPTION	DATE	

MW MILWORKS, LLC
7225 PEPPERMILL PARKWAY
NORTH CHARLESTON, SC 29418
SERIES WOOD INSWING L.M. IMPACT ENTRY DOOR SYTEM
ANCHOR DETAILS - THROUGH FRAME

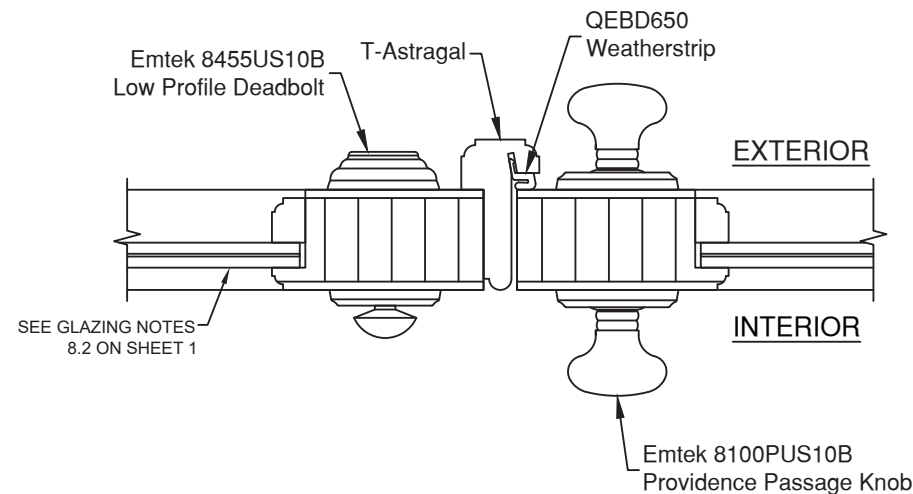
DRAWN BY:	JRM	DATE:	05-28-2021
SCALE:	N.T.S.	DRAWING NO:	MWM0001
REV:	B	SHEET:	9 OF 12

AMORUSO CONSULTING ENG., LLC
FBPE REGISTRATION NO. 38327
226 N NOVA RD, NO. 142
ORMOND BEACH, FL 32174
RJAENGPE@GMAIL.COM

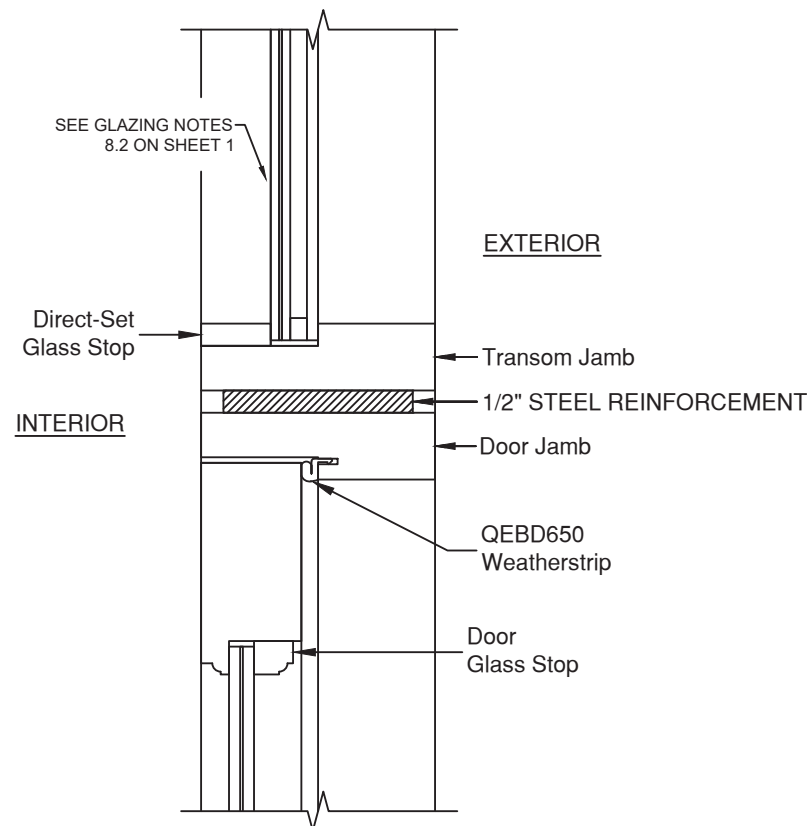
Robert J. Amoruso, P.E.
Florida P.E. No. 49752



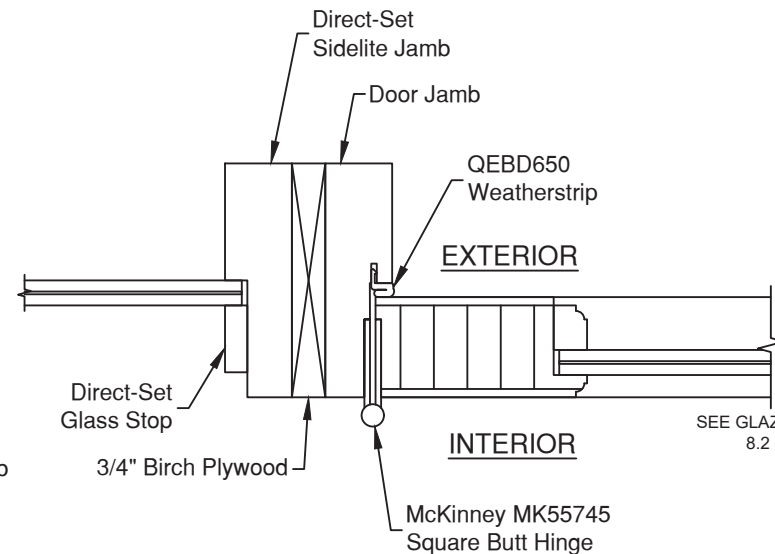
SIGNED/SEALED: 8/3/26



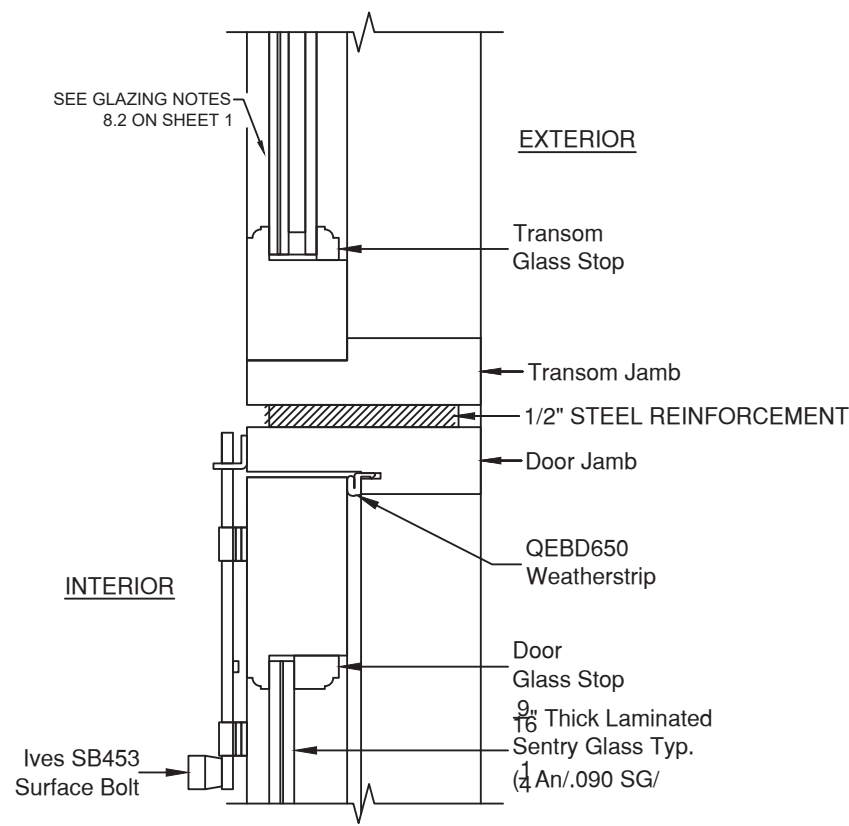
D
10
**INSWING DOOR W/ T-ASTRAGAL
HORIZONTAL DETAIL**



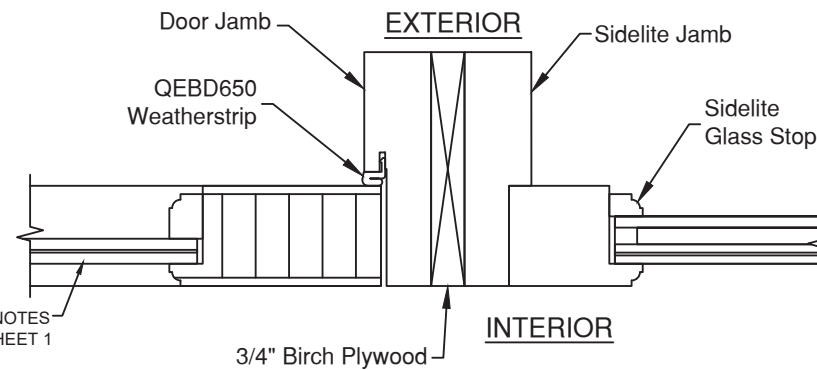
O
10
**HORIZONTAL MULL W/ DOOR AND
DIRECT SET TRANSOM
HORIZONTAL DETAIL**



I
10
**VERTICAL MULL AT INSWING
DOOR & DIRECT SIDELITE
HORIZONTAL DETAIL**



K
10
**HORIZONTAL MULL W/ DOOR AND
TRANSOM HORIZONTAL DETAIL**



J
10
**VERTICAL MULL AT INSWING
DOOR & SIDELITE
HORIZONTAL DETAIL**

PROJECT NO. ACE-2026-110

REV	DESCRIPTION	DATE	BY
B	UPDATE TO 9TH ED. (2026) FBC	8/3/26	RJA
A	UPDATE TO 8TH ED. (2023) FBC	3/4/24	RJA

MW MIL WORKS, LLC
7225 PEPPER MILL PARKWAY
NORTH CHARLESTON, SC 29418
SERIES WOOD INSWING L.M. IMPACT ENTRY DOOR SYTEM
HORIZONTAL SECTION DETAILS

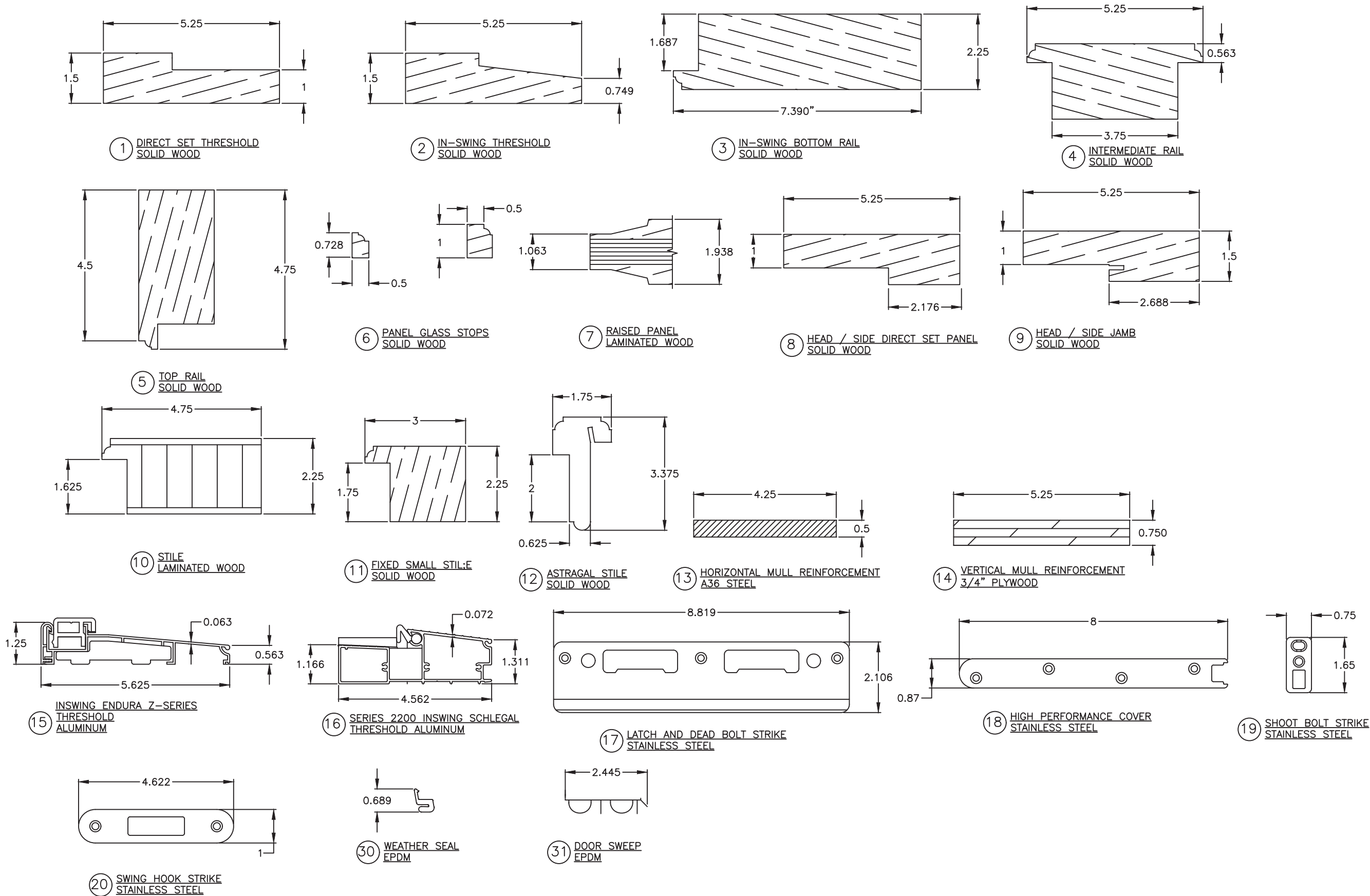
DRAWN BY:	JRM	DATE:	05-28-2021
SCALE:	N.T.S.	DRAWING NO:	MWM0001
REV:	B	SHEET:	10 OF 12

AMORUSO CONSULTING ENG., LLC
FBPE REGISTRATION NO. 38327
226 N NOVA RD, NO. 142
ORMOND BEACH, FL 32174
RJAENGPE@GMAIL.COM

Robert J. Amoruso, P.E.
Florida P.E. No. 49752



SIGNED/SEALED: 8/3/26



PROJECT NO. ACE-2026-110

REV	DESCRIPTION	DATE	BY
B	UPDATE TO 9TH ED. (2026) FBC	8/3/26	RJA
A	UPDATE TO 8TH ED. (2023) FBC	3/4/24	RJA

MW MILWORKS, LLC
7225 PEPPERMILL PARKWAY
NORTH CHARLESTON, SC 29418
SERIES WOOD INSWING L.M. IMPACT ENTRY DOOR SYTEM COMPONENTS

DRAWN BY:	JRM	DATE:	05-28-2021
SCALE:	N.T.S.	DRAWING NO.:	MWM0001
REV:	B	SHEET:	11 OF 12

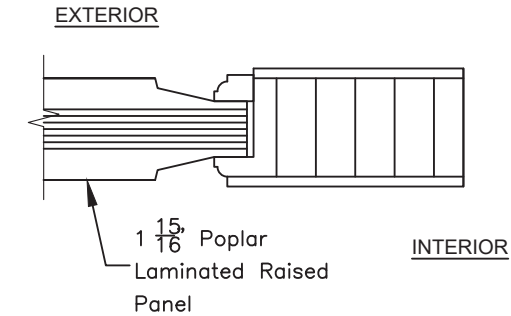
AMORUSO CONSULTING ENG., LLC
FBPE REGISTRATION NO. 38327
226 N NOVA RD, NO. 142
ORMOND BEACH, FL 32174
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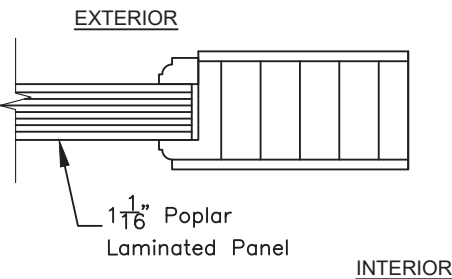


SIGNED/SEALED: 8/3/26

QTY.	PART NO.	PARTS DESCRIPTION	MANUFACTURER
1	-----	DIRECT SET THRESHOLD, SOLID WOOD	MW MILLWORKS
2	-----	INSWING WOOD SILL, SOLID WOOD	MW MILLWORKS
3	-----	BOTTOM RAIL, INSWING, SOLID WOOD	MW MILLWORKS
4	-----	INTERMEDIATE RAIL, SOLID WOOD	MW MILLWORKS
5	-----	TOP RAIL, SOLID WOOD	MW MILLWORKS
6	-----	PANEL / GLASS STOPS, SOLID WOOD	MW MILLWORKS
7	-----	RAISED PANEL, LAMINATED WOOD	MW MILLWORKS
8	-----	HEAD AND SIDE DIRECT SET PANEL, S. WOOD	MW MILLWORKS
9	-----	HEAD AND SIDE JAMB, SOLID WOOD	MW MILLWORKS
10	-----	STILE, LAMINATED WOOD	MW MILLWORKS
11	-----	FIXED SMALL STILE, SOLID WOOD	MW MILLWORKS
12	-----	ASTRAGAL, SOLID WOOD	MW MILLWORKS
13	-----	HOR. MULL REINFORCEMENT, A36 STEEL	MW MILLWORKS
14	-----	VERTICAL MULL REINFORCEMENT, PLYWOOD	MW MILLWORKS
QTY.	PART NO.	HARDWARE	MANUFACTURER
15	-----	INSWING ALUMINUM SILL, Z SERIES ADJ.	ENDURA
16	-----	ALUMINUM THRESHOLD, SERIES 2200	SCHLEGAL
17	-----	LATCH AND DEADBOLT STRIKE, ST. STEEL	PURCHASE
18	-----	HIGH PERFORMANCE COVER PLATE, S. STEEL	PURCHASE
19	-----	SHOOTBOLT STRIKES, STAINLESS STEEL	PURCHASE
20	-----	SWING HOOK STRIKE	HOPPE, HLS 9000
21	-----	MULTI-POINT LOCK, 5-POINT SYS, H. SHOOT	HOPPE HS 9000
22	-----	2-POINT LOCK SYSTEM-INACTIVE PNL	HOPPE HL 9000
23	-----	DEADBOLT, LOW PROFILE	EMTEK 8455
24	-----	DEADBOLT	BALDWIN 8231102
25	-----	SURFACE BOLT, SB453	IVES
26	-----	PASSAGE LATCH	BALDWIN 8231102
27	-----	PASSAGE LATCH	EMTEK 8100
28	-----	CORNER PAD	ENDURA
29	-----	SQUARE BUTT HINGE	MCKINNEY T2714

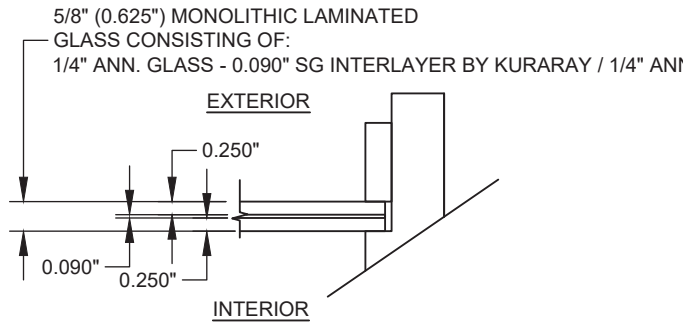
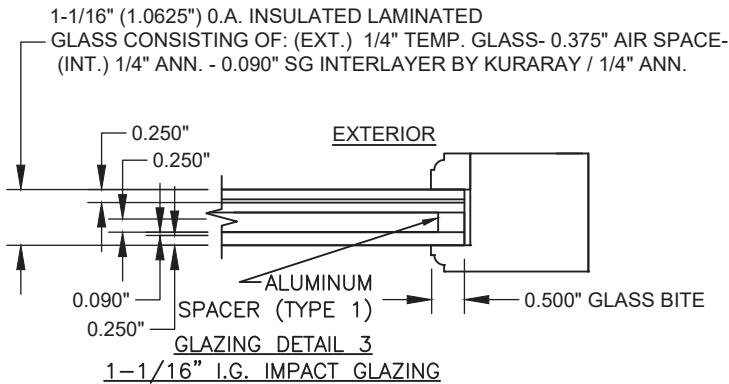
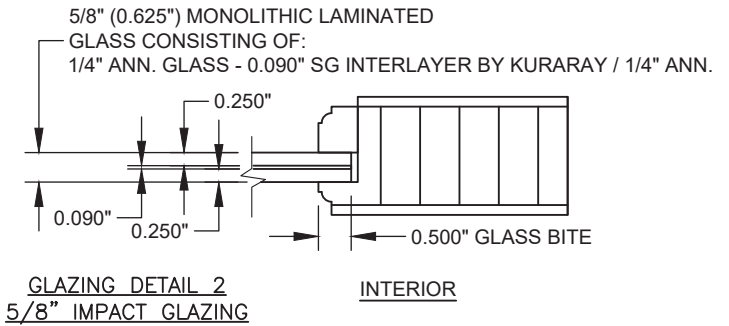
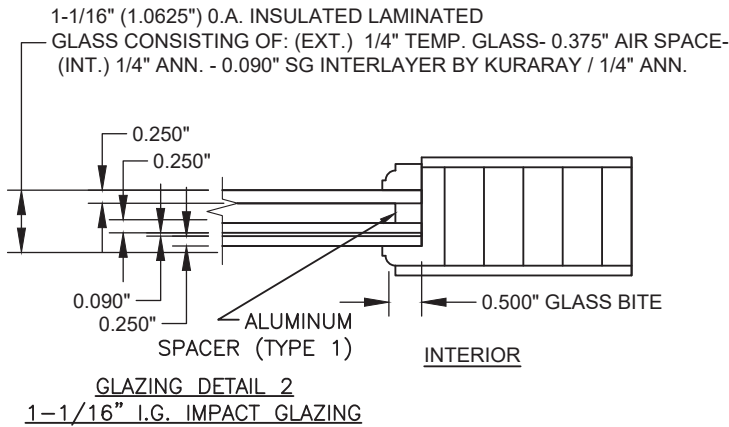


P
12 **OPAQUE LAMINATED RAISED
PANEL DETAIL**



Q
12 **OPAQUE LAMINATED FLAT
PANEL DETAIL**

QTY.	PART NO.	SEAL AND SEALANTS	MANUFACTURER
30	-----	WEATHER SEAL	QEBD 650
31	-----	DOOR SWEEP	ENDURA DBS 214
QTY.	PART NO.	MISCELLANEOUS FASTENERS	MANUFACTURER
15	-----	#12 X 3" WOOD SCREW, STEEL	PURCHASE
16	-----	#12 X 2" WOOD SCREW, STAINLESS STEEL	PURCHASE
17	-----	#8 X 2" WOOD SCREW, STEEL	PURCHASE
18	-----	1/4" DIAMETER TAPCON, STEEL	I.T.W.



PROJECT NO. ACE-2026-110

		RJA		BY
		8/3/26	3/4/24	DATE
	UPDATE TO 9TH ED. (2026) FBC	UPDATE TO 8TH ED. (2023) FBC		DESCRIPTION
	B	A	REV	

MW MILWORKS, LLC 7225 PEPPERMILL PARKWAY NORTH CHARLESTON, SC 29418 SERIES WOOD INSWING L.M. IMPACT ENTRY DOOR SYTEM BILL OF MATERIALS & GLAZING DETAILS	DRAWN BY: JRM SCALE: N.T.S. REV: B	DATE: 05-28-2021 DRAWING NO: MWM0001 SHEET: 12 OF 12	AMORUSO CONSULTING ENG., LLC FBPE REGISTRATION NO. 38327 226 N NOVA RD, NO. 142 ORMOND BEACH, FL 32174 RJAENGPE@GMAIL.COM
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