

GENERAL NOTES AND SPECIFICATIONS:

1. SINGLE PANEL WOOD PIVOT DOOR SHOWN ON THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2026 (9th EDITION) OF THE FLORIDA BUILDING CODE (FBC). THIS PRODUCT MAY BE INSTALLED AT HIGH VELOCITY HURRICANE ZONES OR OUT OF IT.

DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTIONS 1620 & 1609 OF THE ABOVE MENTIONED CODE, USING ASCE 7-22 AND SHALL NOT EXCEED THE MAXIMUM (A.S.D.) DESIGN PRESSURE RATING INDICATED ON NOTE 2 BELOW.

IN ORDER TO VERIFY THE ABOVE CONDITION, ULTIMATE DESIGN WIND LOADS DETERMINED PER ASCE 7-22 SHALL FIRST BE REDUCED TO A.S.D. DESIGN WIND LOADS BY MULTIPLYING THEM BY 0.6 IN ORDER TO COMPARE THESE WITH MAX. (A.S.D) DESIGN PRESSURE RATINGS INDICATED ON NOTE 2.

IN ORDER TO VERIFY THAT ANCHORS ON THIS P.E.D., AS TESTED, WERE NOT OVER STRESSED, A 33% INCREASE IN ALLOWABLE STRESS FOR WIND LOADS WAS NOT USED IN THEIR ANALYSIS.

THIS PRODUCT'S ADEQUACY FOR IMPACT AND CYCLIC RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTIONS 1626 & 1609.1.2 OF THE ABOVE MENTIONED CODE AS PER PROTOCOLS TAS-201, TAS-202, TAS-203, PER FENESTRATION TESTING LABORATORY, INC. REPORT No. 9888, QAI LABORATORIES REPORT No. QA-4064a AND AS PER SUBMITTED STRUCTURAL CALCULATIONS, PERFORMED AS PER SECTIONS 1616 & 1604 OF THE FLORIDA BUILDING CODE. GLASS VERIFIED PER ASTM E-1300, PER SECTION 2404.1 OF THE FLORIDA BUILDING CODE. IMPACT MISSILE IS 9lb, 2"x4", 50ft/sec.

2. MAXIMUM (ALLOWABLE STRESS DESIGN=A.S.D) DESIGN PRESSURE RATING IS: +66.0 psf., -66.0 psf WITH REQUIRED HARDWARE. AS PER ELEVATIONS SHOWN ON SHEET 2.

3A. THIS PRODUCT IS APPROVED FOR AIR INFILTRATION.

3B. THIS PRODUCT IS APPROVED FOR WATER INFILTRATION IF EITHER OF THE FOLLOWING CONDITIONS IS COMPLIED WITH:

3B.1 WHEN CANOPY IS PROVIDED IMMEDIATELY ABOVE THE DOOR LOCATION COVERING THE ENTIRE WIDTH OF THE DOOR AND PROJECTING OUT A DISTANCE EQUAL OR LARGER THAN THE DOOR HEIGHT, PER FLORIDA BUILDING CODE SECTION 1709.5.2. AND AS PER DETAILS ON SHEETS 7, 7A AND 7B.

3B.2 WHEN NO CANOPY IS PROVIDED IMMEDIATELY ABOVE THE DOOR LOCATION BUT A DRAINAGE SYSTEM AS PER DETAILS ON SHEETS 11 AND 12 IS INSTALLED.

4. ALL COMPONENTS SHALL BE AS PER BILL OF MATERIALS ON SHEET 6.

5. WOOD BUCKS BY OTHERS, MUST BE SOUTHERN PINE #2, G=0.55, AND SHALL COMPLY WITH SECTIONS 2411.3.3.3 & 2326 OF THE FLORIDA BUILDING CODE, AND MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE BUILDING STRUCTURE AND SHALL BE REVIEWED BY BUILDING OFFICIAL.

6. PROVIDE 1/4" MAX. LOAD BEARING SHIM SPACE (TYP.), WHEN ALLOWED BY THIS DRAWING. ANCHORS SHALL COMPLY WITH SECTION 1711 OF THE FLORIDA BUILDING CODE. ONLY STAINLESS STEEL ANCHORS ARE ALLOWED AT INSTALLATIONS WITHIN 300 ft FROM COASTAL SHORELINE.

7. ALL DOOR FRAME MEMBERS SHALL BE ANCHORED TO EXISTING STRUCTURE FOLLOWING SPECS INDICATED ON SHEETS 2, 7 & 8 AS APPLICABLE.

8. THIS PRODUCT WILL NOT REQUIRE A HURRICANE PROTECTION DEVICE.

9. PRODUCT MANUFACTURER'S LABEL SHALL BE PLACED ON A READILY VISIBLE LOCATION AT FENESTRATION IN ACCORDANCE WITH SECTION 1709.5 OF THE FLORIDA BUILDING CODE. ONE LABEL SHALL BE PLACED FOR EVERY OPENING.

10. THIS PRODUCT'S INSTALLATION SHALL STRICTLY COMPLY WITH SPECS INDICATED ON THIS DRAWING PLUS ANY BUILDING AND ZONING REGULATIONS PROVIDED BY THE JURISDICTION WHERE A PERMIT IS APPLIED FOR.

11. ALL DOOR COMPONENT EDGES WHICH REMAIN IN CONTINUOUS CONTACT WITH THE BUILDING SHALL BE SEALED/CAULKED TO PREVENT WIND/RAIN INTRUSION. CAULK AND SEAL ALL AROUND FULL LENGTH.

12. (a) THIS P.E.D. PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; i.e. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.D.

(b) THE CONTRACTOR IS TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT, BASED ON THIS P.E.D., PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.

(c) THIS P.E.D. WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.

(d) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHO WILL BECOME THE ENGINEER OF RECORD (P.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER SHALL SUBMIT TO THE LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.

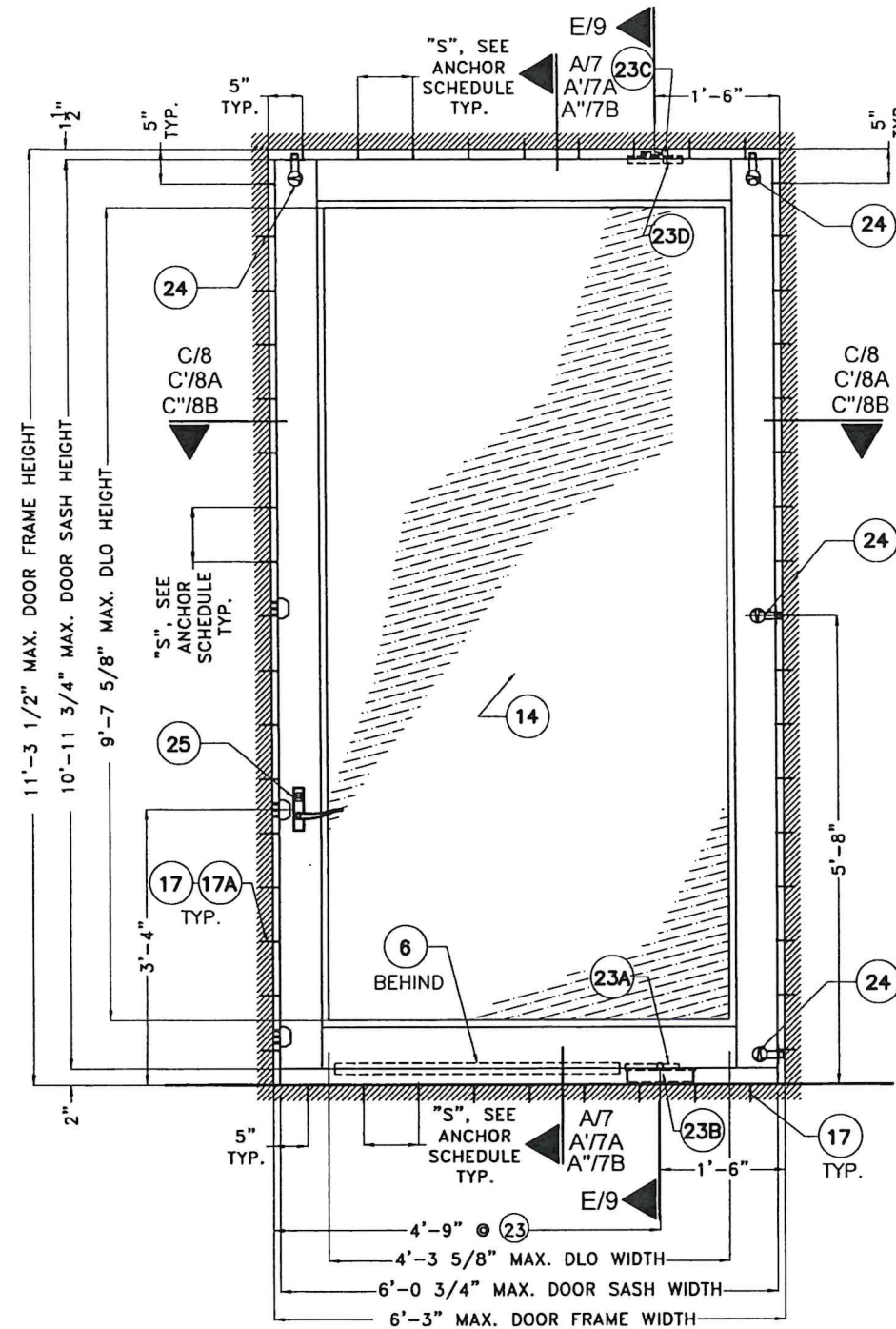
(e) ORIGINAL P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD WHO PREPARED IT.

THIS DRAWING SHALL ONLY BE USED TO OBTAIN PERMITS IN THE STATE OF FLORIDA



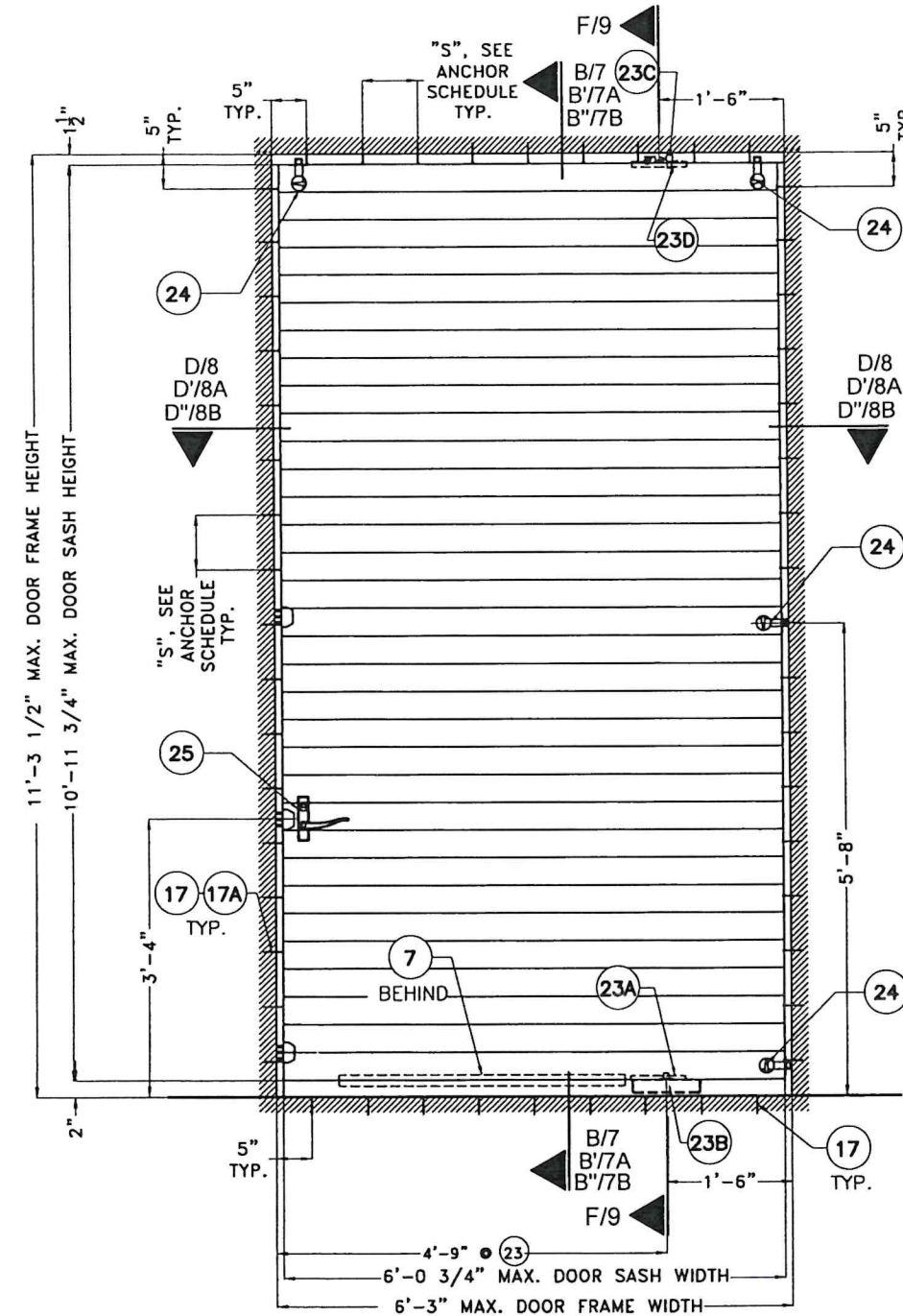
FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)

©2026 TILTECO, INC.		SINGLE PANEL SOLID/GLAZED WOOD PIVOT DOOR (LARGE MISSILE IMPACT RESISTANT)		W.H. DRAWN BY:	
		IMPACT PRECIOUS WOOD, INC. 6333 NW 74 AVE., MIAMI, FL 33166 PH: (786) 222-0427, FAX: (305) 428-3011		07/01/2026 DATE:	
				26-119 DRAWING No.	
REV. NO	DESCRIPTION	DATE			
1	OLD 26-008	07/01/26			
2					



**TYPICAL EXTERIOR ELEVATION
(GLAZED WOOD DOOR)**

SCALE 1/2"=1'-0"



**TYPICAL EXTERIOR ELEVATION
(SOLID WOOD DOOR)**

SCALE 1/2"=1'-0"

SCHEDULE FOR MAX. SPACING FOR ANCHOR (17) AND (17A) AT JAMBS, HEAD & SILL				
A.S.D DESIGN PRESSURE RATING W (PSF)	"S"			
	CONCRETE (Min. f _c = 2846 psi) OR CONCRETE BLOCK (Min. ASTM C-90)	WOOD (Min. G=0.55)	METAL	
			ALUMINUM F _y = 16 ksi 3/8" THK	STEEL F _y = 33 ksi 16 gage
±66.0	8" O.C @ (17)	6 1/2" O.C @ (17)	6 1/2" O.C @ (17A)	



P.E. SEAL/SIGNATURE/DATE

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WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)

**SINGLE PANEL SOLID/GLAZED WOOD PIVOT
DOOR (LARGE MISSILE IMPACT RESISTANT)**

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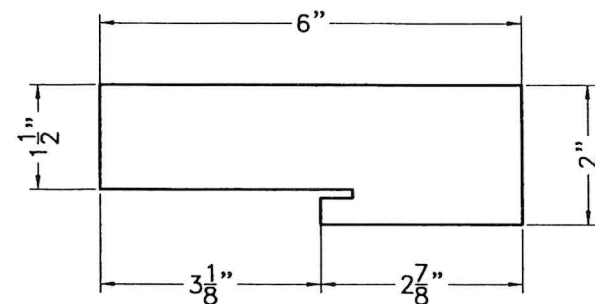
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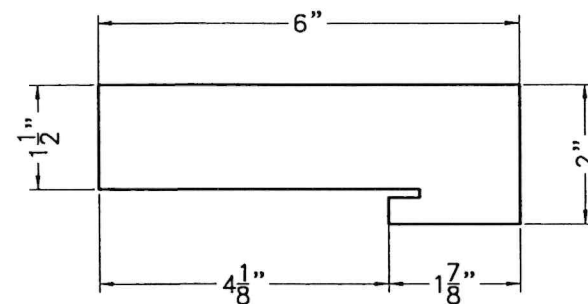
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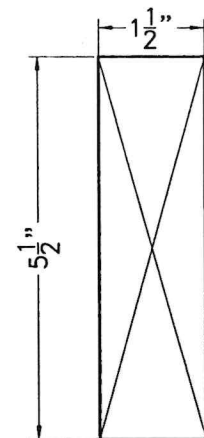
SHEET 2 OF 12



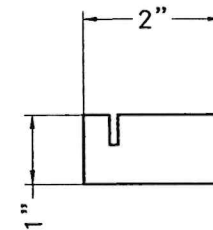
① FRAME HEAD/LOCK JAMB • GLASS DOOR



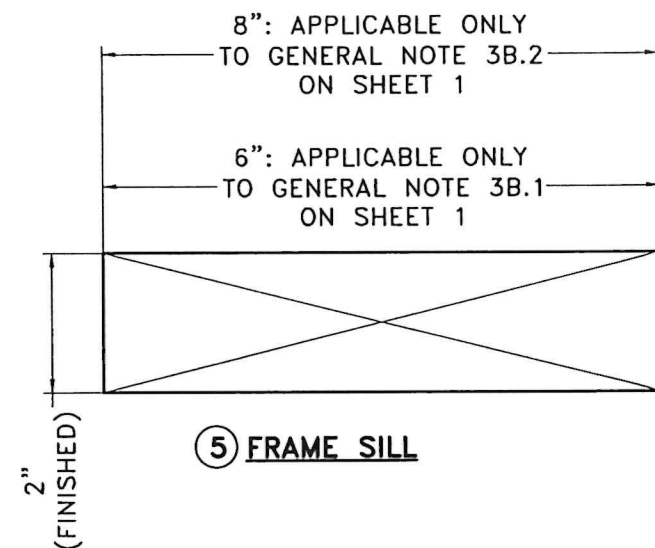
② FRAME HEAD/LOCK JAMB • WOOD DOOR



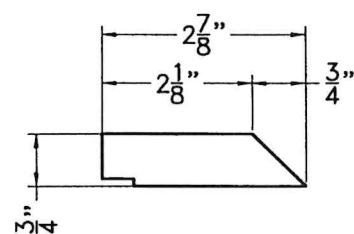
③ PIVOT SIDE JAMB (2"x6" NOMINAL)



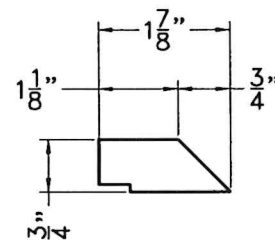
④ PANEL STOP



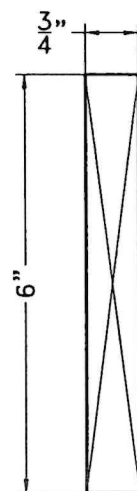
⑤ FRAME SILL



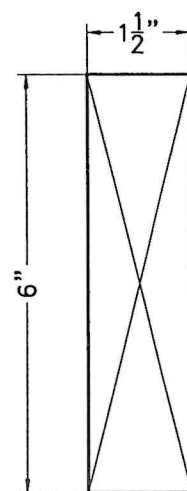
⑥ PANEL STOP • FRAME SILL • GLASS DOOR



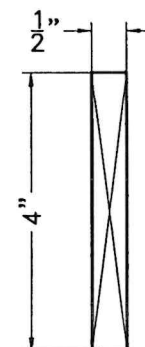
⑦ PANEL STOP • FRAME SILL • WOOD DOOR



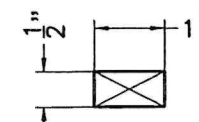
⑧ TOP/BOTTOM RAIL & STILE REINFORCEMENT



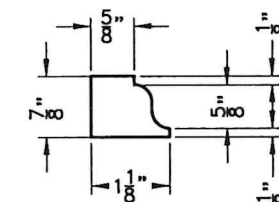
⑨ TOP/BOTTOM RAIL & STILE CORE



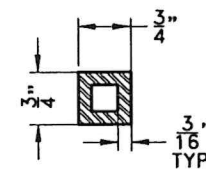
⑩ CLADDING FOR WOOD DOOR



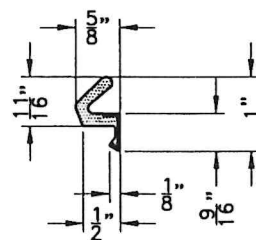
⑩A CLADDING REINFORCEMENT



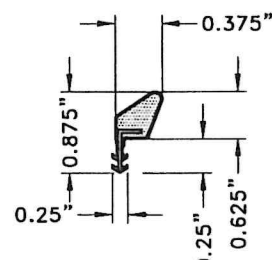
⑪ GLAZING BEAD



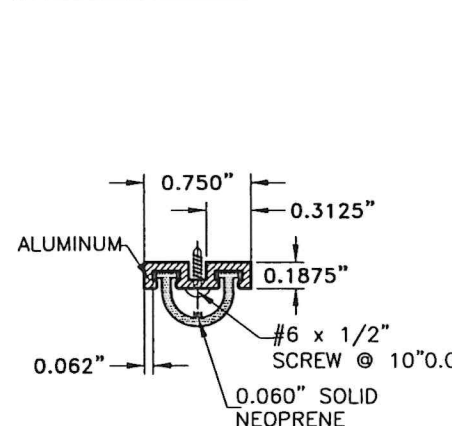
⑫ STEEL REINFORCING TUBE • SASH



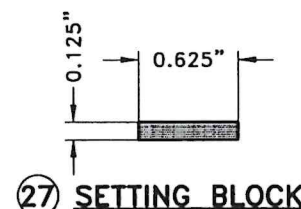
⑬ Q-LON DOOR SEAL NTS



⑭ Q-LON WEATHERSTRIP NTS



⑮ WEATHERSTRIP NTS

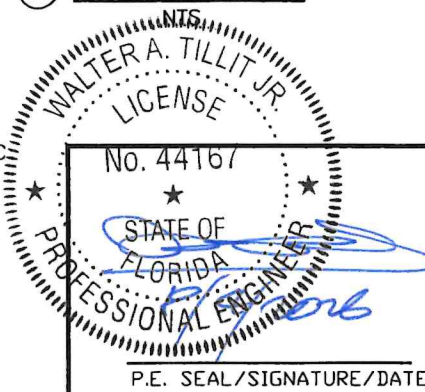


⑯ SETTING BLOCK

COMPONENTS

SCALE 3/8"=1"

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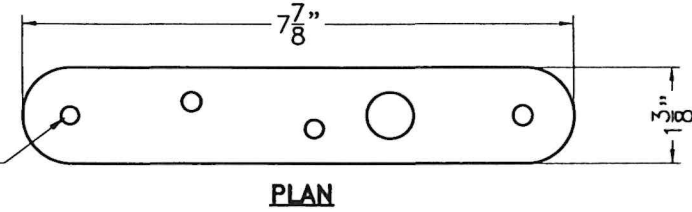
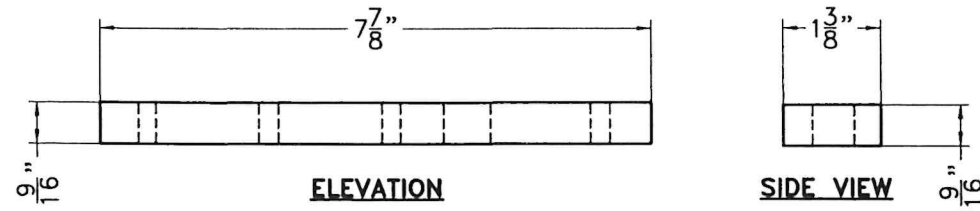
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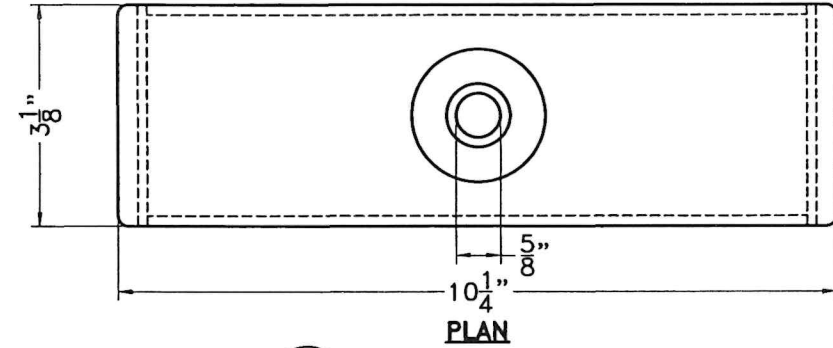
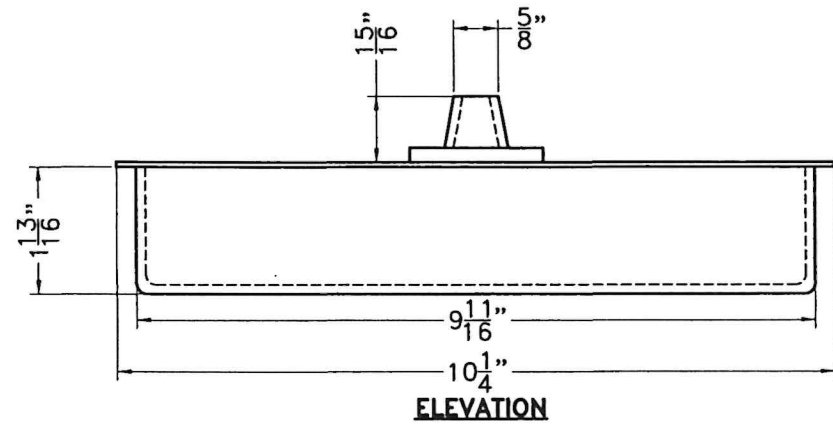
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SHEET 3 OF 12



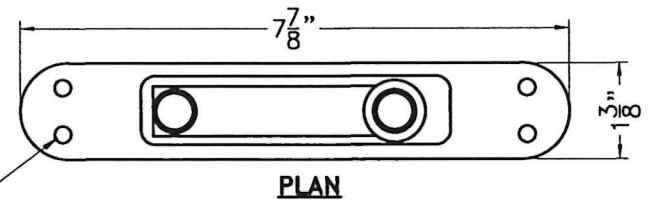
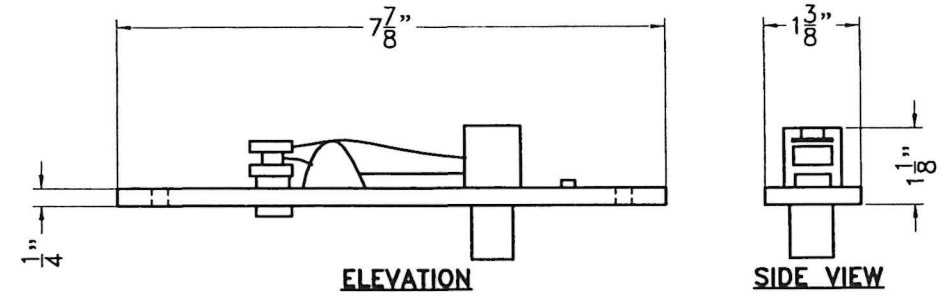
23A PIVOT DEVICE @ BOTTOM RAIL
SCALE 3/4"=1"



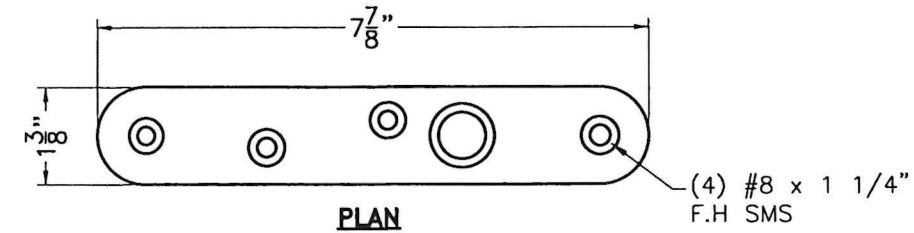
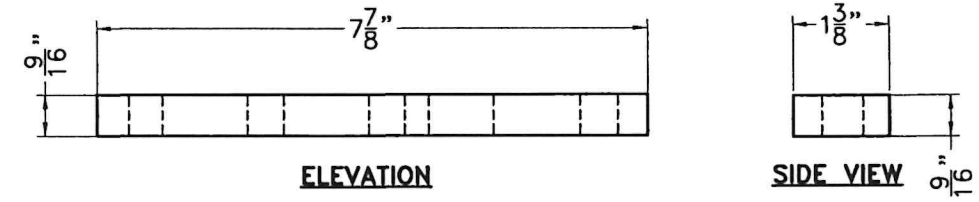
23B PIVOT DEVICE @ SILL
SCALE 3/4"=1"

23 MODEL JK.05.500 PIVOT SYSTEM

COMPONENTS CONT'D.
SCALE 3/8"=1"



23C PIVOT DEVICE @ HEADER
SCALE 3/4"=1"



23D PIVOT DEVICE @ TOP RAIL
SCALE 3/4"=1"



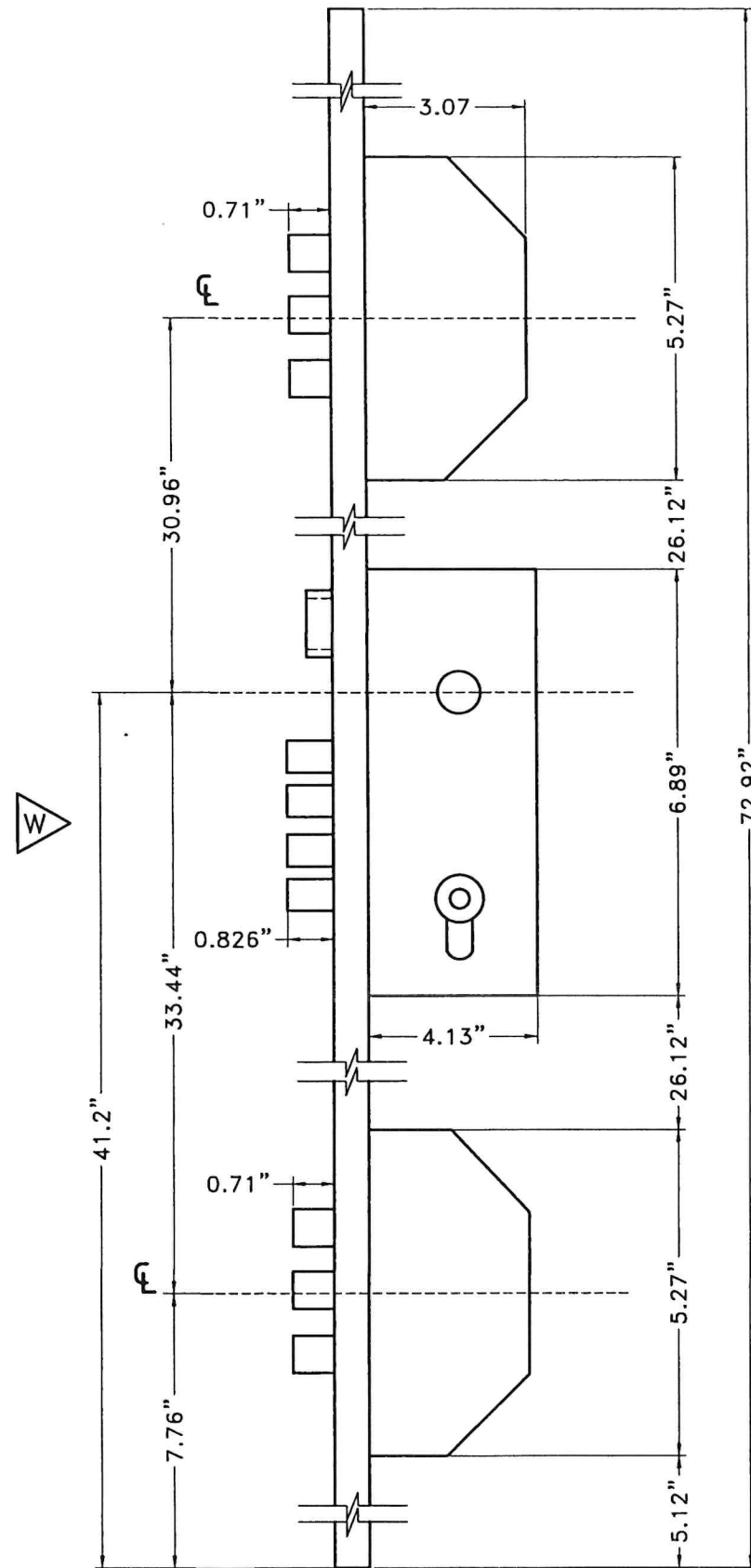
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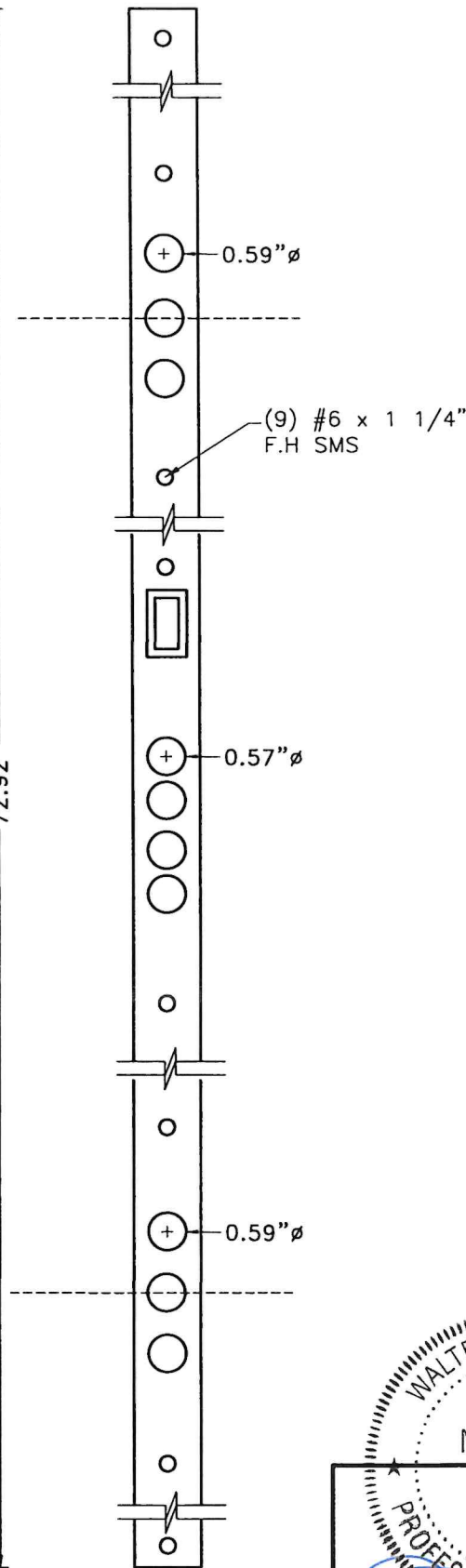
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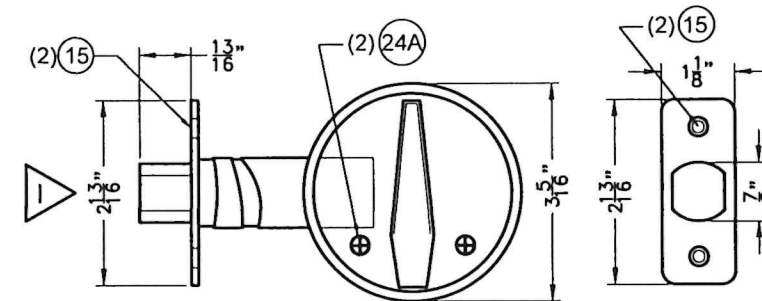
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SHEET 4 OF 12



25 3 POINT LOCK



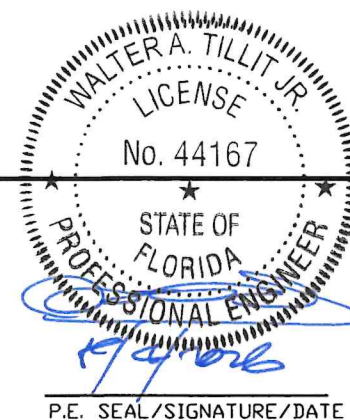
VIEW W



24 SINGLE SIDE DEAD BOLT

COMPONENTS CONT'D.

SCALE 3/8"=1"



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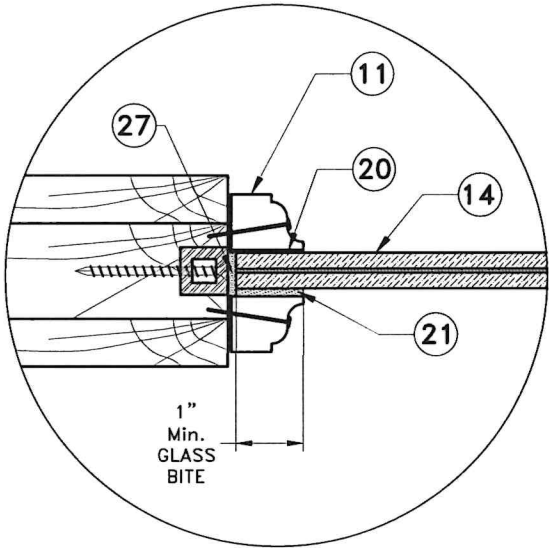
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 DATE:

26-119

DRAWING No.

SHEET 5 OF 12

BILL OF MATERIALS *				
COMPONENT #	DESCRIPTION	MATERIAL	MANUFACTURER	NOTES
①	FRAME HEAD / LOCK JAMB @ GLASS DOOR	MAHOGANY WOOD	-	G=0.45 MIN.
②	FRAME HEAD / LOCK JAMB @ GLASS DOOR	MAHOGANY WOOD	-	G=0.45 MIN.
③	PIVOT SIDE JAMB	MAHOGANY WOOD	-	G=0.45 MIN.
④	PANEL STOP	MAHOGANY WOOD	-	G=0.45 MIN.
⑤	FRAME SILL	MAHOGANY WOOD	-	G=0.45 MIN. SEE GENERAL NOTE 3B/1 FOR REQUIRED FINISHED SIZE.
⑥	PANEL STOP @ FRAME SILL @ GLASS DOOR	MAHOGANY WOOD	-	G=0.45 MIN. W/ ⑮ , FIRST @ 3", BALANCE @ 10"O.C.
⑦	PANEL STOP @ FRAME SILL @ WOOD DOOR	MAHOGANY WOOD	-	G=0.45 MIN. W/ ⑮ , FIRST @ 3", BALANCE @ 10"O.C.
⑧	TOP / BOTTOM RAIL & STILE REINFORCEMENT	MAHOGANY WOOD	-	G=0.45 MIN.
⑨	TOP / BOTTOM RAIL & STILE CORE	MAHOGANY WOOD	-	G=0.45 MIN.
⑩	CLADDING FOR WOOD DOOR (1/2" THK.)	MAHOGANY WOOD	-	G=0.45 MIN.
⑩A	CLADDING REINFORCEMENT	MAHOGANY WOOD	-	G=0.45 MIN.
⑪	GLAZING BEAD	MAHOGANY WOOD	-	W/ ⑮ FIRST @ 2", BALANCE @ 10"O.C.
⑫	STEEL REINFORCING TUBE @ SASH	ASTM A-36 GALV. STEEL	-	W/ ⑮ , FIRST @ 3", BALANCE @ 10"O.C. & WELDED TO TRANSVERSE ⑫ AT CORNERS.
⑬	MDF PANELS (3/4" THK.)	ENGINEERED WOOD	-	USED AS CORE ONLY AT WOOD PANEL DOOR
⑭	9/16" NOMINAL LAMINATED GLASS	GLASS	-	1/4" HEAT STRENGTHENED + 0.090" SGP INTERLAYER BY KURARAY + 1/4" HEAT STRENGTHENED
⑮	#10x1 3/4" F.H. WOOD SCREW	410 STAINLESS STEEL	-	SPACED 10"O.C.
⑮	16 GAGE x 1 1/2" FINISHING NAILS	STEEL	-	FIRST @ 2", BALANCE @ 10"O.C.
⑰	1/4"Ø ULTRACON+ OR 1/4"Ø ULTRACON SS4 ANCHORS	STEEL	DEWALT	1 1/2"MIN. EMB. & 1"MIN. ED. INTO WOOD BUCK, 1 1/4"MIN. EMB. & 2 1/2" MIN. ED. INTO CONCRETE BLOCK & 1 3/4"MIN. EMB. & 2 1/2" MIN. ED. INTO POURED CONCRETE BEYOND ANY FINISH
⑰A	1/4"Ø-14 TEK SCREWS	AISI 410 S.S.	ITW BUILDEX	1" MINIMUM E.D & MUST EXTEND FROM METAL SUBSTRATE 3 THREADS. SEE SHEET 2.
⑱	Q-LON DOOR SEAL	-	SCHLEGEL	# QDS 650
⑱	Q-LON WEATHER SEAL	-	SCHLEGEL	# QEZD 320
⑳	SEALANT - CLEAR SILICONE	-	"GE" STOCK	# GE0112A SILICONE
㉑	GLAZING - CLEAR SILICONE	-	"DOW CORNING"	# 995 SILICONE
㉒	CORNER CONSTRUCTION GLUE	-	-	CHEMICAL BOND WW25
㉓	PIVOT SYSTEM/MODEL JK.05.500	304 STAINLESS STEEL	JNF	㉓A FASTENED W/ (4)#8 x 1 1/4" FH SMS ㉓B NO FASTENING REQ'D. ㉓C FASTENED W/ (4)#10 x 1 1/4" FH SMS ㉓D FASTENER W/ (4)#8 x 1 1/4" FH SMS
㉔	SINGLE SIDE DEAD BOLT	POLISHED BRASS	SCHLAGE	MODEL B580605 W/ (2) ⑮ @ OPERATOR & ㉔A @ STRIKE
㉔A	#8x1" F.H. WOOD SCREW	410 STAINLESS STEEL	-	
㉕	3 POINT LOCK	ALUMINUM/STEEL	MCM	SERIES 701, 3 LOCKING POINTS W/ MIN. 3/4" THROW, W/ (9)#6 x 1 1/4" FH SMS TO STILE
㉖	WEATHERSTRIP	ALUMINUM/RUBBER	TRADEMARK HARDWARE	#6 x 1/2" @ 10"O.C TO SILL ⑤. MODEL SKU Z53-DB
㉗	SETTING BLOCK	-	-	SHALL COMPLY WITH SECTION 2411.3.3.1 OF THE FLORIDA BUILDING CODE



GLAZING DETAIL

SCALE 3/8"=1"

*SEE ADDITIONAL BILL OF MATERIALS ON SHEET 11 FOR INSTALLATIONS WHERE CONDITIONS OF GENERAL NOTE 3B.2 WILL APPLY.

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SINGLE PANEL SOLID/GLAZED WOOD PIVOT DOOR (LARGE MISSILE IMPACT RESISTANT)

W.H.
DRAWN BY:

IMPACT PRECIOUS WOOD, INC.

6333 NW 74 AVE.,
MIAMI, FL 33166
PH: (786) 222-0427, FAX: (305) 428-3011

07/01/2026
DATE:

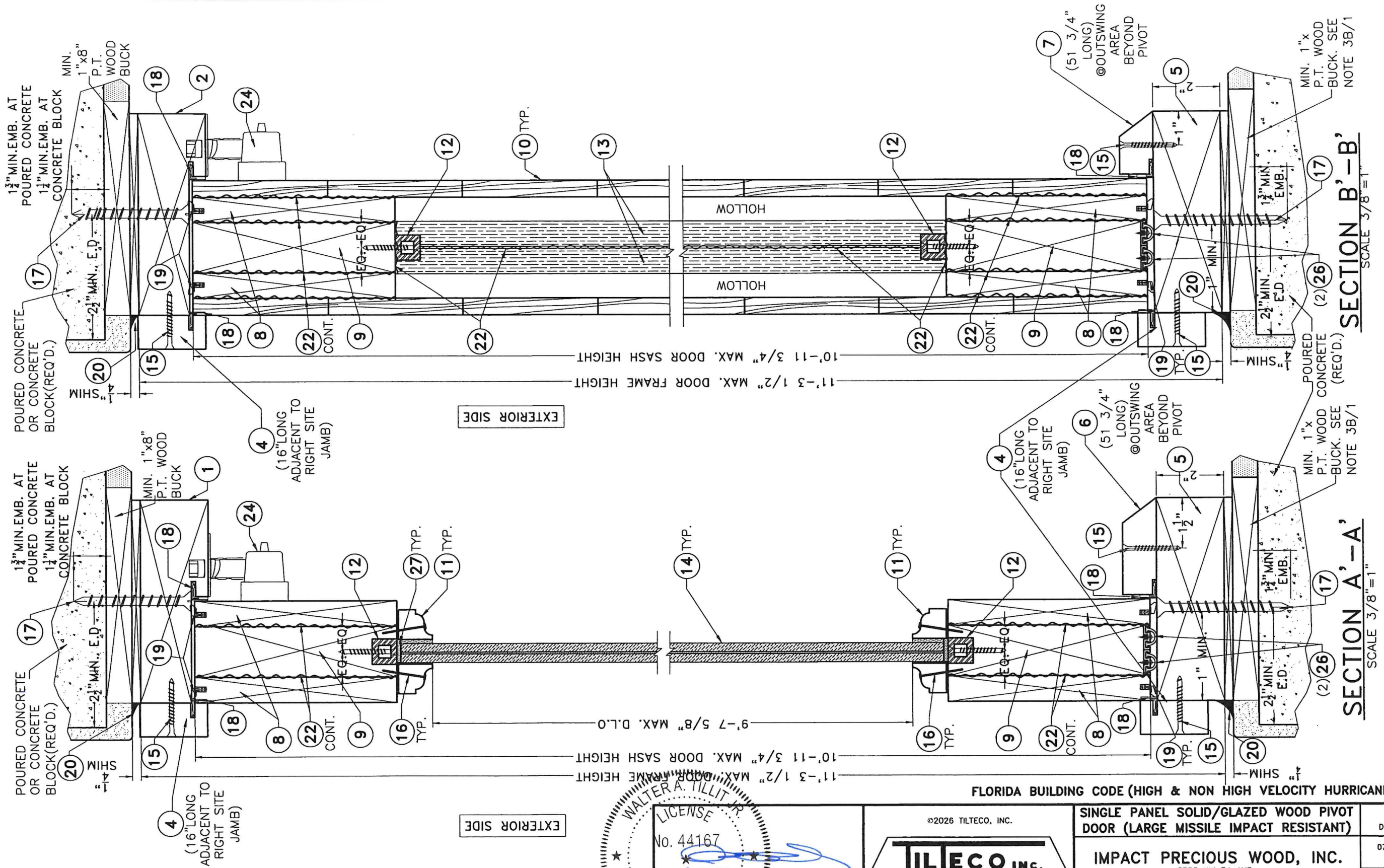
26-119
DRAWING No.

REV. NO	DESCRIPTION	DATE		
1	OLD 26-008	07/01/26		
2				

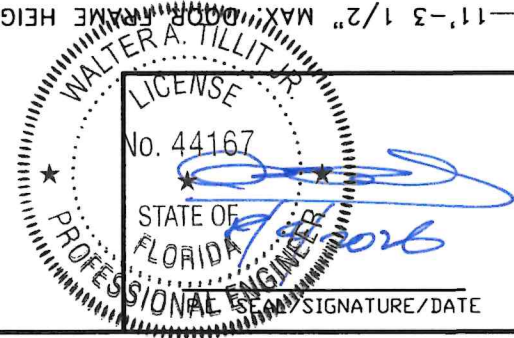
SHEET 6 OF 12



SHEET 7 OF 12



FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)



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6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
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CA-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

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DOOR (LARGE MISSILE IMPACT RESISTANT)**

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MIAMI, FL 33166
PH: (786) 222-0427, FAX: (305) 428-3011

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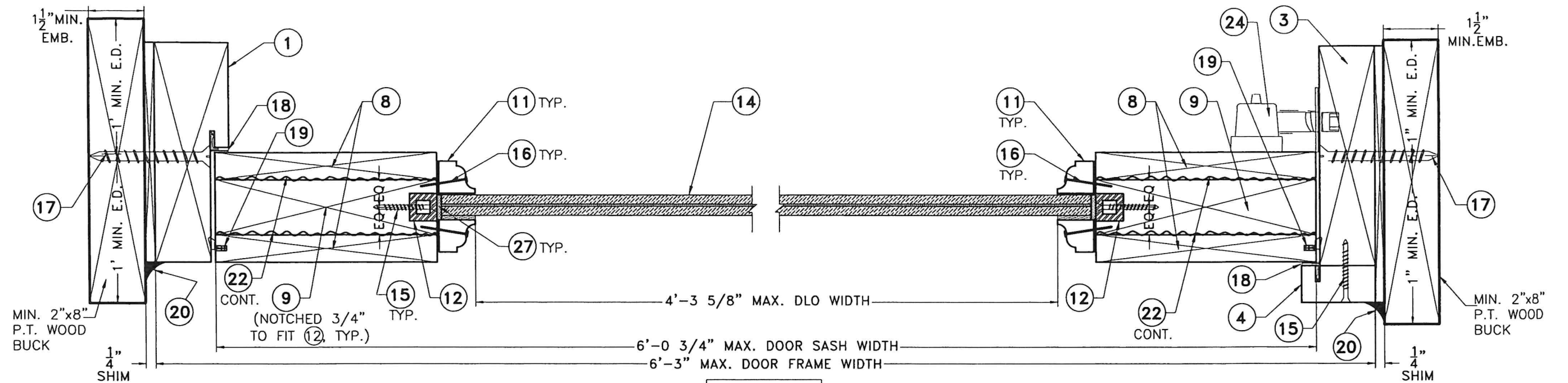
W.H.
DRAWN BY:

07/01/2026
DATE:

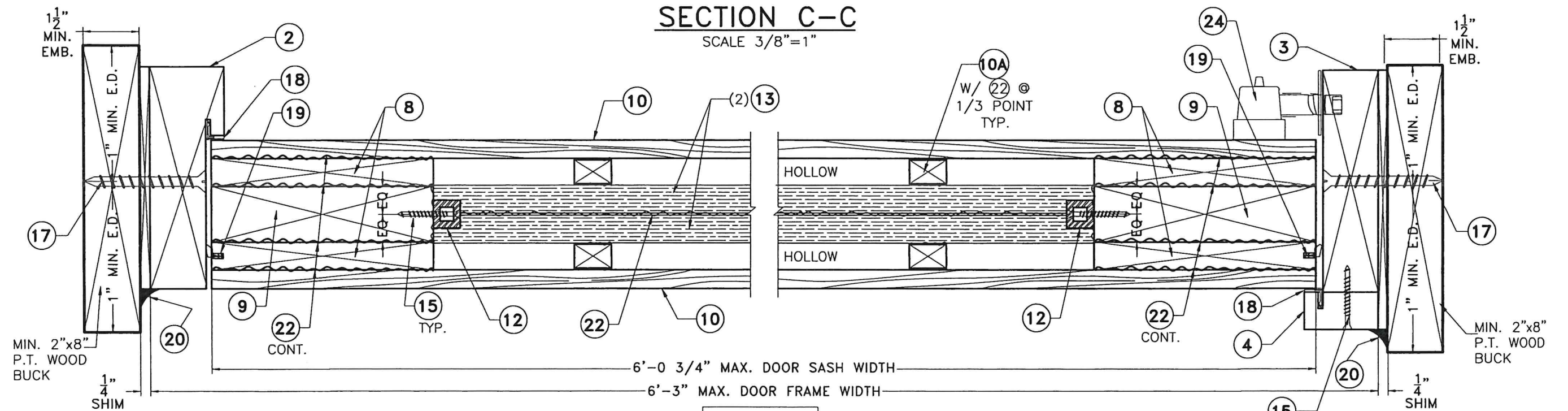
26-119

DRAWING No.

SHEET 7A OF 12



SECTION C-C
SCALE 3/8"=1"



SECTION D-D
SCALE 3/8"=1"

EXTERIOR SIDE
WALTER A. TILLIT JR.
LICENSE
No. 44167
STATE OF FLORIDA
PROFESSIONAL ENGINEER
SIGNATURE/DATE

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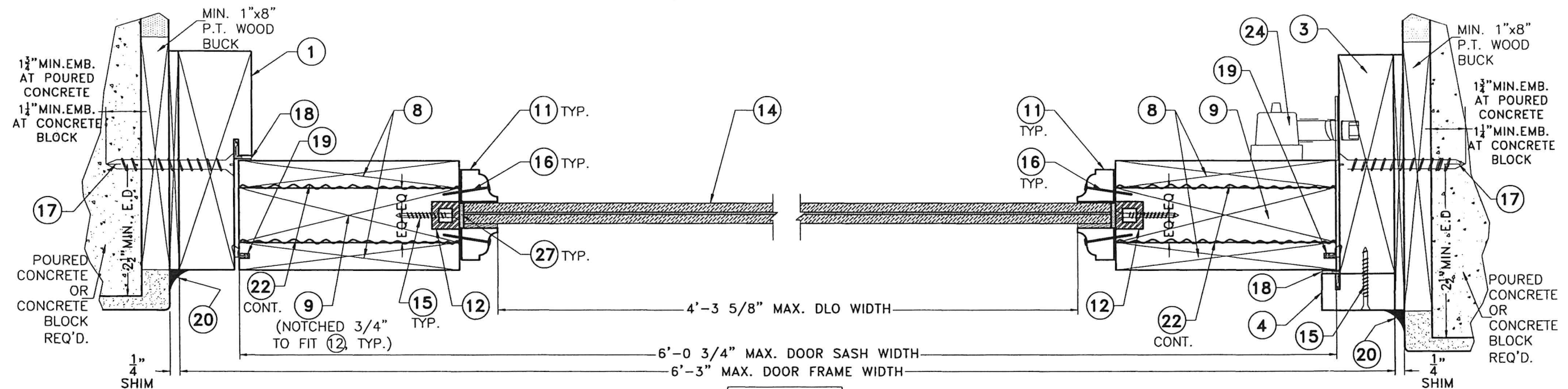
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DRAWN BY:

07/01/2026
DATE:

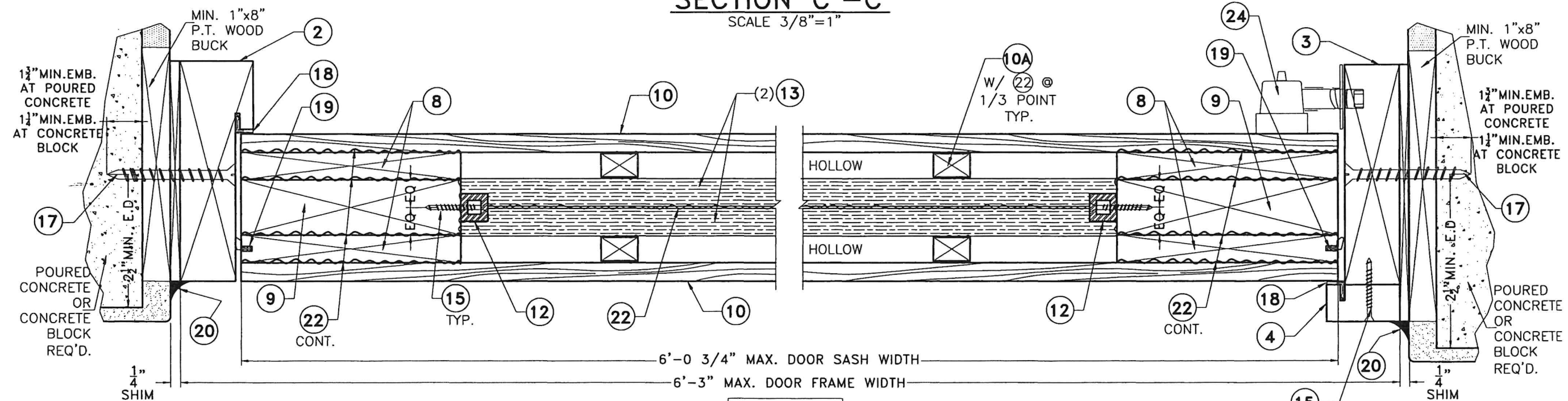
26-119
DRAWING No.

REV. NO	DESCRIPTION	DATE
1	OLD 26-008	07/01/26
2		

SHEET 8 OF 12

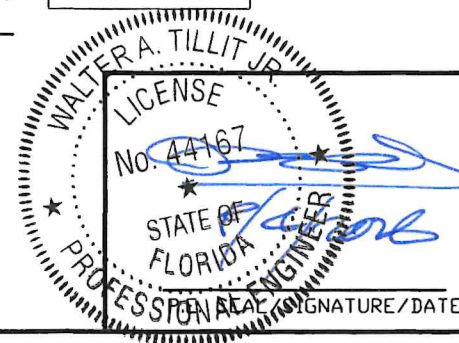


SECTION C'-C'
SCALE 3/8"=1"



SECTION D'-D'
SCALE 3/8"=1"

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1	OLD 26-008	07/01/26
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W.H.
DRAWN BY:

07/01/2026
DATE:

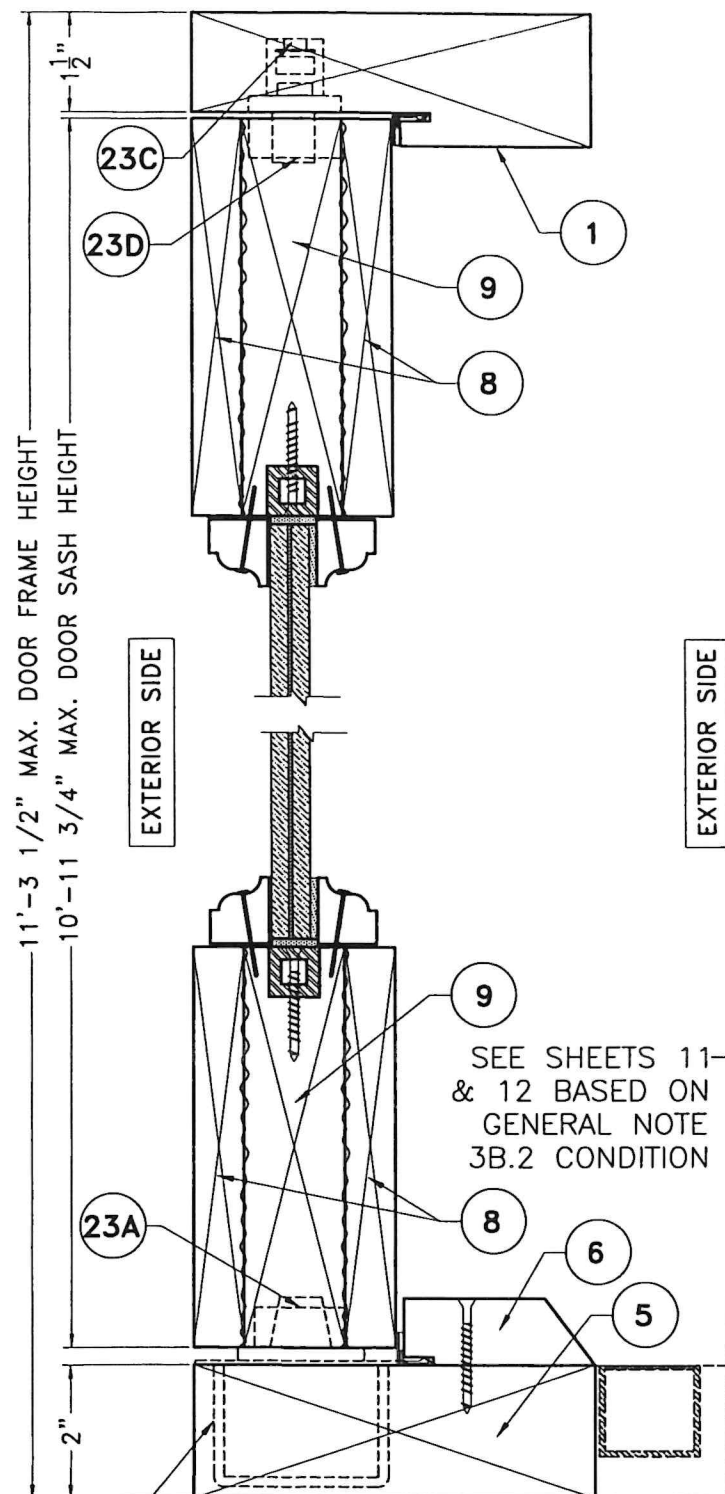
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DRAWING No.

SHEET 8A OF 12

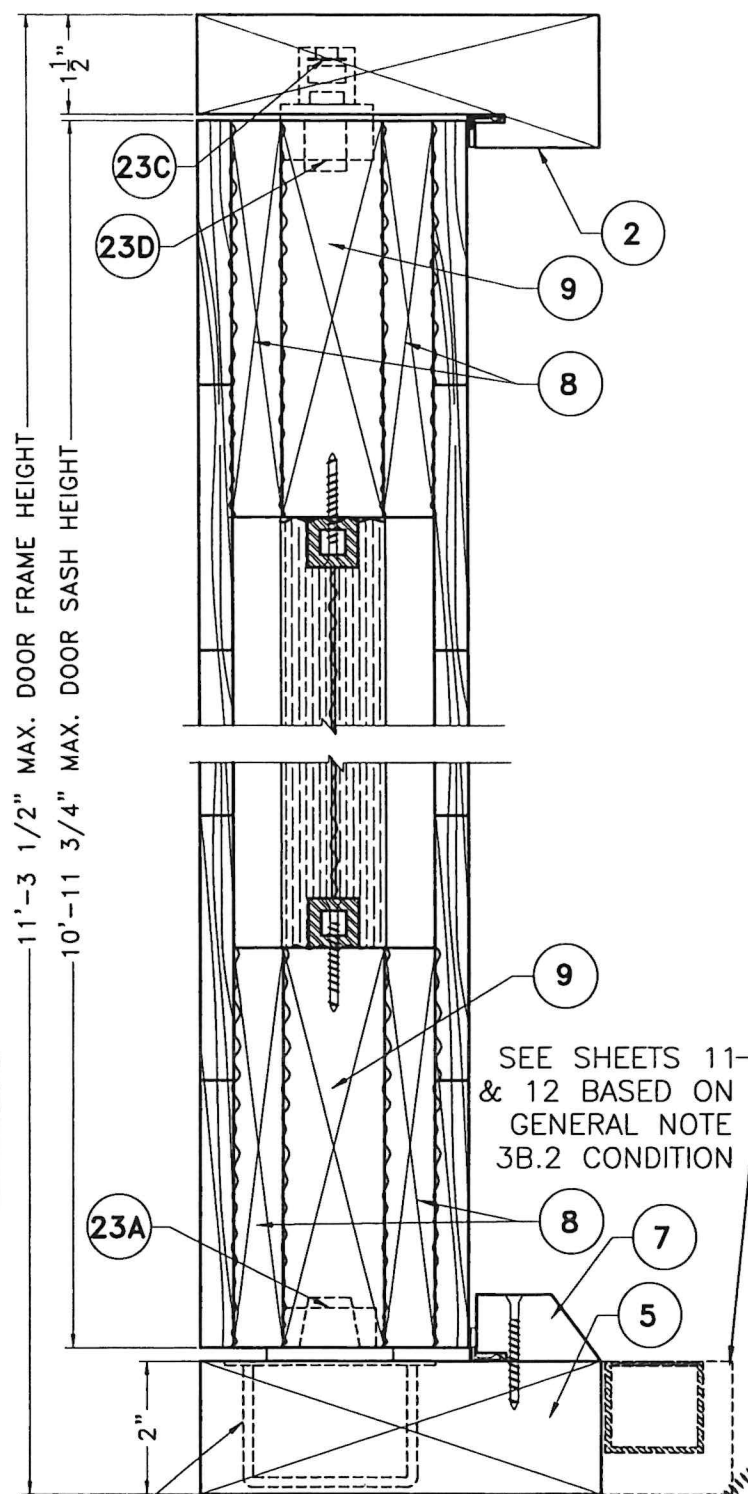


SINGLE PANEL SOLID/GLAZED WOOD PIVOT DOOR (LARGE MISSILE IMPACT RESISTANT)					W.H. DRAWN BY:	
IMPACT PRECIOUS WOOD, INC. 6333 NW 74 AVE., MIAMI, FL 33166 PH: (786) 222-0427, FAX: (305) 428-3011					07/01/2026 DATE:	
					26-119 DRAWING No.	
REV. NO	DESCRIPTION	DATE				
1	OLD 26-008	07/01/26				
					SHEET 88 OF 12	



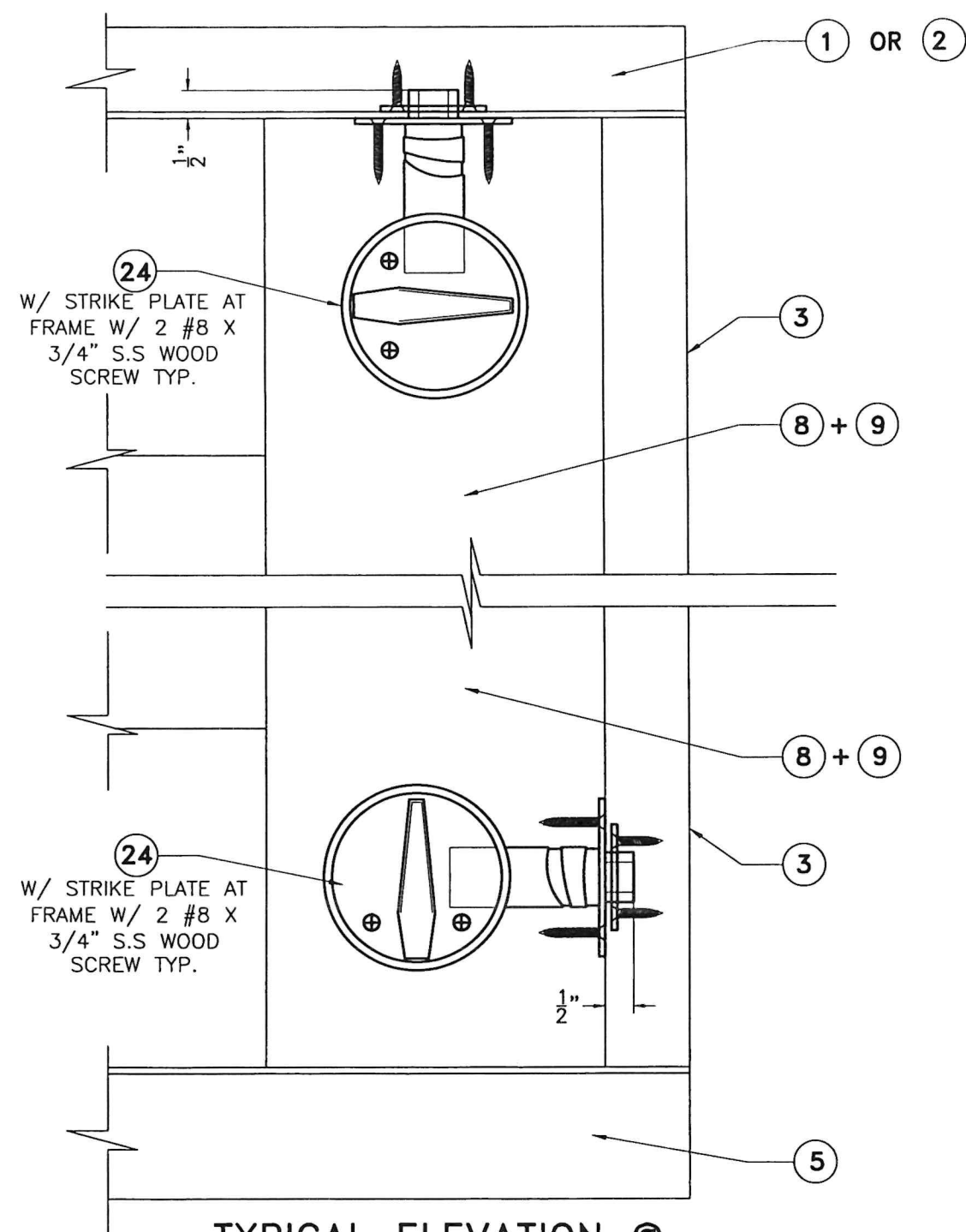
SECTION E-E @ PIVOT SYSTEM
(GLASS DOOR): CONDITION FOR GENERAL NOTE 3B.1 IS SHOWN.

SCALE 3/8"=1"



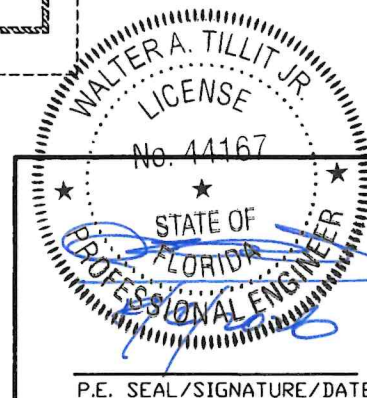
SECTION F-F @ PIVOT SYSTEM
(WOOD DOOR): CONDITION FOR GENERAL NOTE 3B.1 IS SHOWN.

SCALE 3/8"=1"



TYPICAL ELEVATION @ SINGLE SIDE DEAD BOLT

FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)



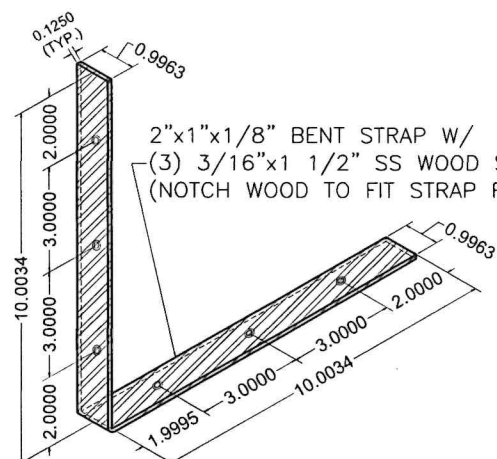
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FLORIDA Lic. # 44167

SINGLE PANEL SOLID/GLAZED WOOD PIVOT DOOR (LARGE MISSILE IMPACT RESISTANT)				W.H. DRAWN BY:
IMPACT PRECIOUS WOOD, INC.				07/01/2026 DATE:
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REV. NO	DESCRIPTION	DATE		
1	OLD 26-008	07/01/26		
2				

SHEET 9 OF 12



SCALE: 3/16" = 1"



SCALE: 3/16" = 1"



SCALE: 3/16" = 1"

FRAME AND ALL EXPOSED INSTALLATION
FASTENERS MUST BE PROPERLY SEALED
WITH SEALANT (22) .



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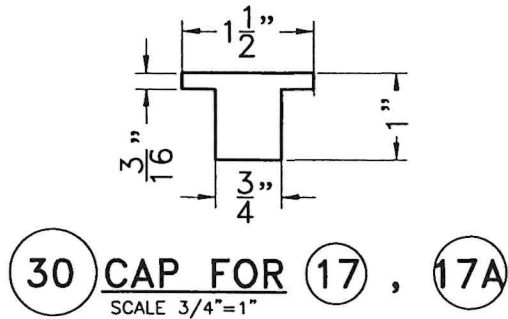
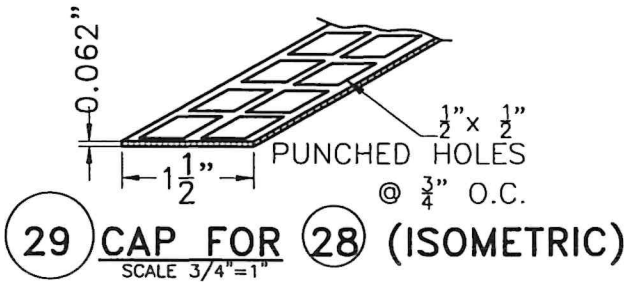
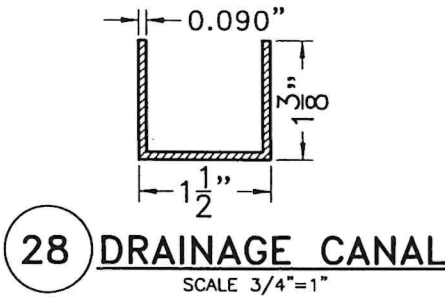
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SHEET 10 OF 12

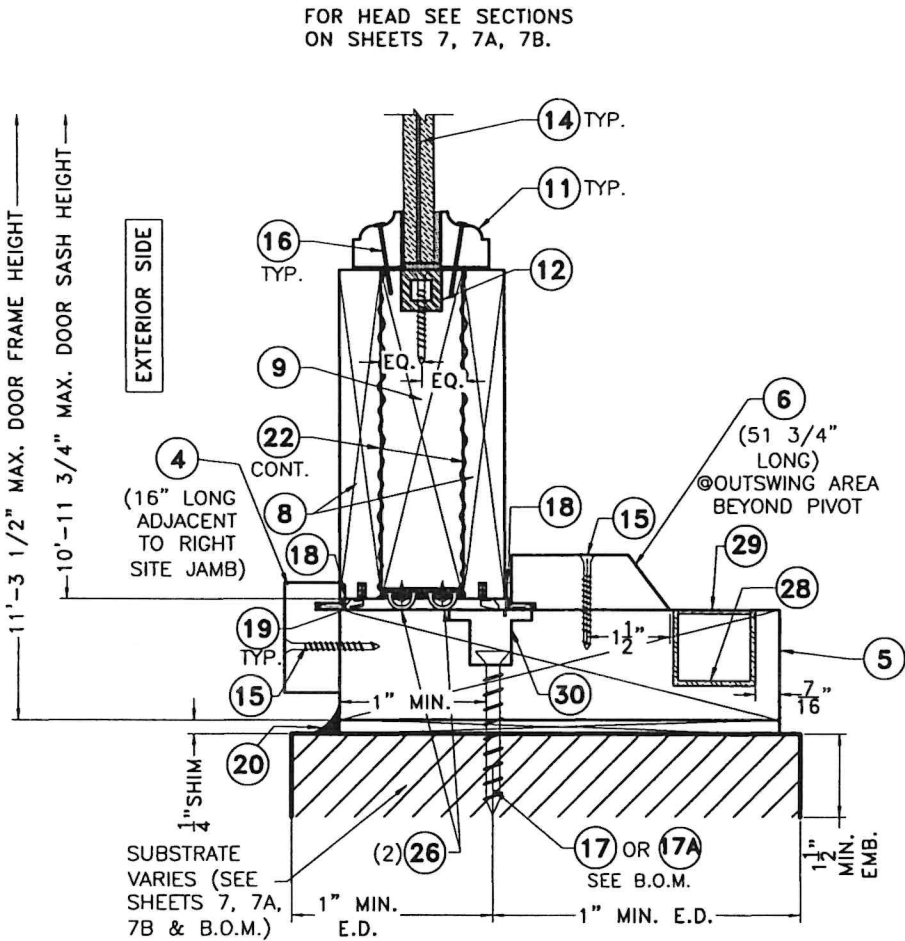
BILL OF MATERIALS *				
COMPONENT #	DESCRIPTION	MATERIAL	MANUFACTURER	NOTES
(28)	DRAINAGE CANAL	6063-T5 ALLOY	-	CONTINUOUS @ (5) SILICONED W/ (20) ALL AROUND TO (5)
(29)	CAP FOR (28)	6063-T5 ALLOY	-	CONTINUOUS @ (28) SILICONED W/ (20) TO TOP OF (28)
(30)	CAP FOR (17), (17A)	MAHOGANY WOOD	-	CONTINUOUS @ (5) TIGHT FIT INTO (5)

* SEE SHEET 6 FOR ADDITIONAL COMPONENTS OF DOOR.



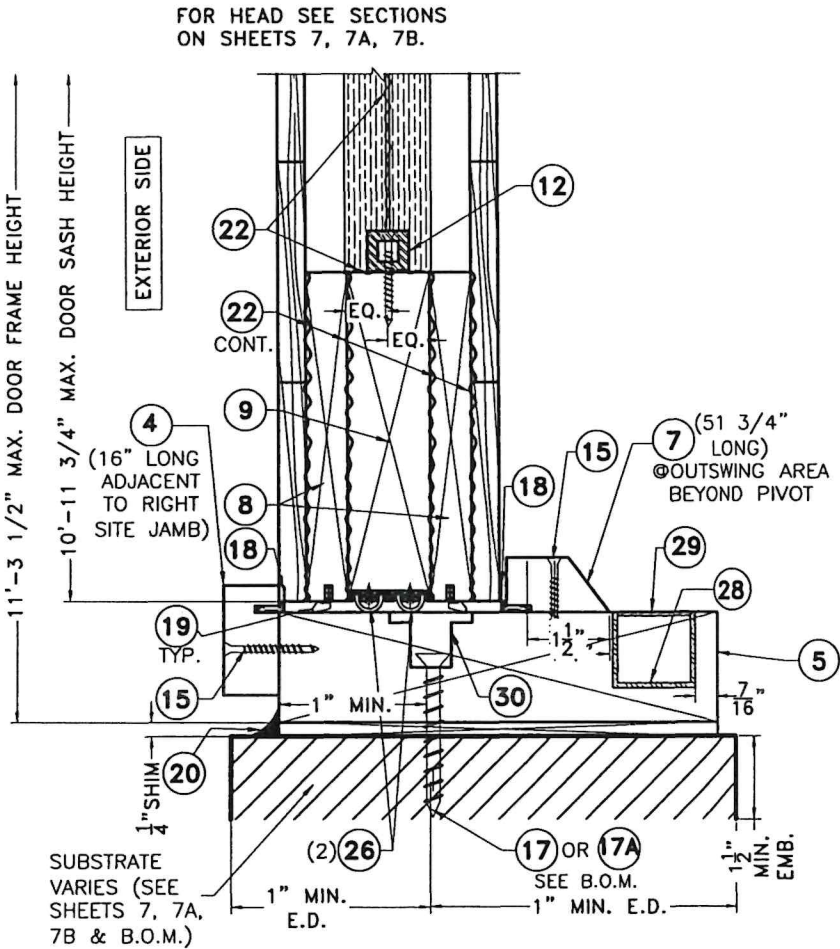
PROVISIONS FOR WATER INFILTRATION
 RESISTANCE BASED ON CONDITION
 PER GENERAL NOTE 3B.2 *

* SEE DETAIL "D" ON SHEET 12



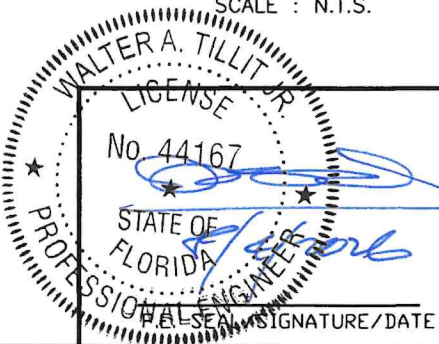
DRAINAGE DETAIL FOR SILL
 @ GLAZED WOOD DOOR

SCALE : N.T.S.



DRAINAGE DETAIL FOR SILL
 @ SOLID WOOD DOOR

SCALE : N.T.S.



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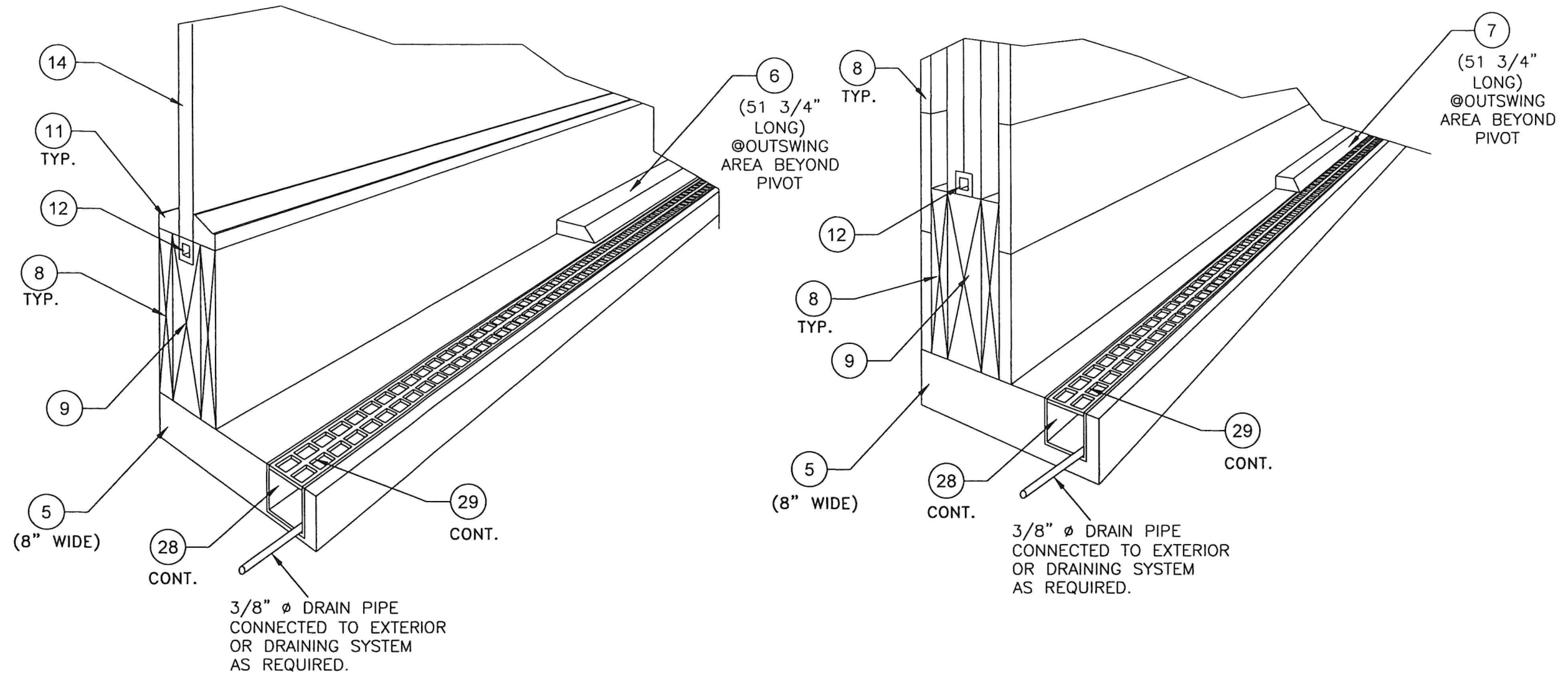
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W.H. DRAWN BY:	07/01/2026 DATE:
26-119 DRAWING No.	SHEET 11 OF 12

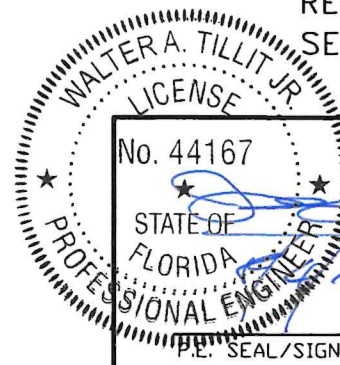


DETAIL "D"
OPTIONAL WATER
INFILTRATION THRESHOLD:
PER GENERAL NOTE 3B.2
@ GLAZED WOOD DOOR

(INSTALLED WHERE WATER INFILTRATION IS
 REQUIRED AS AN OPTION TO EXISTING OVERHANG;
 SEE GENERAL NOTE 3B.2).

DETAIL "D"
OPTIONAL WATER
INFILTRATION THRESHOLD:
PER GENERAL NOTE 3B.2
@ SOLID WOOD DOOR

(INSTALLED WHERE WATER INFILTRATION IS
 REQUIRED AS AN OPTION TO EXISTING OVERHANG;
 SEE GENERAL NOTE 3B.2).



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REV. NO	DESCRIPTION	DATE
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2		

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 DRAWN BY:
 07/01/2026
 DATE:
26-119
 DRAWING No.
 SHEET 12 OF 12