INSTALLATION NOTES:

- 1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN UNLESS OTHERWISE NOTED.
- 2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- 3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- 4. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- 5. FOR INSTALLATION INTO WOOD FRAMING USE #12 WOOD **SCREWS** OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
- 6. FOR INSTALLATION INTO WOOD FRAMING USE (2) #10 WOOD SCREWS THROUGH STRIKE PLATE & (1) #10 WOOD SCREW THROUGH HINGE OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE
- 7. FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE 3/16 INCH **DIAMETER ITW TAPCONS** OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT.
- FOR INSTALLATION INTO STEEL STUD FRAME USE #12 TEK **SCREWS** OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM 3 THREADS PENETRATION BEYOND STEEL STRUCTURE.
- FOR INSTALLATION INTO STEEL STUD FRAME USE (2) #10 TEK **SCREWS** THROUGH STRIKE PLATE & (1) #10 TEK SCREWS THROUGH HINGE OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM 3 THREADS PENETRATION BEYOND STEEL STRUCTURE.
- 10. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- 11. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- 12. FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- 13. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS. AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
- 14. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING
 - A. WOOD MINIMUM SPECIFIC GRAVITY OF 0.55.
 - B. CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
 - C. MASONRY STRENGTH CONFORMANCE TO ASTM C-90.
 - D. STEEL MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM WALL THICKNESS OF 48 MILS (18 GAUGE).

PLYCO CORPORATION

SERIES 92TB SINGLE INSWING/OUTSWING FLUSH DOOR W/ MORTISE LOCK & DEADBOLT

GENERAL NOTES:

- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), EXCLUDING HVHZ AND HAS BEEN **EVALUATED ACCORDING TO THE FOLLOWING:**
 - ASTM E330-14
 - ASTM E283-04
 - AAMA 1304-02
- 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 AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 4. 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.
- 5. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- 6. FRAME MATERIAL: ALUMINUM 6063-T5 & 6005-T5
- 7. DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED AS DEFINED IN CURRENT FLORIDA BUILDING CODE.

TABLE OF CONTENTS			
SHEET	SHEET DESCRIPTION		
1	INSTALLATION & GENERAL NOTES		
2	ELEVATION & ANCHOR LAYOUT		
3	VERTICAL SECTIONS		
4	HORIZONTAL SECTIONS		
5	COMPONENTS & BILL OF MATERIALS		
6	COMPONENTS (CONTINUED)		
7	OPTIONAL FRAME EXTENSIONS DETAIL		

DESIGN PRESSURE RATING					
LOCK TYPE	DESIGN PRESSURE - ALL SIZES		MISSILE IMPACT RATING		
MORTISE LOCK W/ DEADBOLT	+45 / -45 PSF *	W/O WATER INFILTRATION	NON-IMPACT		

^{*}UNIT SHALL BE INSTALLED AT LOCATION PROTECTED BY OVERHANG SUCH THE OVERHANG RATIO (OH) = OH LENGTH/OH HEIGHT GREATER THAN 1.0 WHERE WATER INFILTRATION IS REQUIRED.



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WING

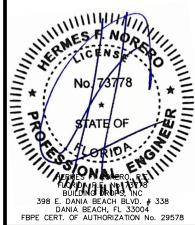
REMARKS

FBC CODE CHANGE

UILDING 1 398 E. DANIA BEA DANIA BEA

BY DATE **5TH FBC CODE CHANGE** AM 10.10.16 6TH FBC CODE CHANGE SM 02.19.18 FB 08.22.2

SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIAT FROM THE REQUIREMENTS DETAILED HEREIN A LICENSEI



FL16841

DATE: 08.19.13 CHK. BY:

DWG. BY: SSM SCALE:

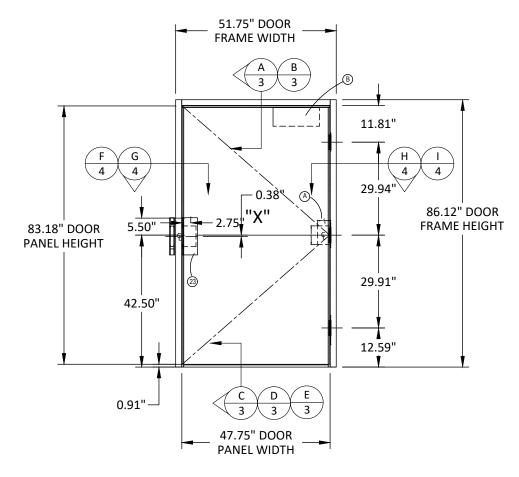
MS NTS

DWG. #: PCO019

SHEET



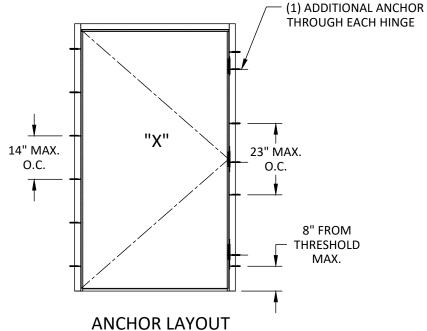
OF 7



ELEVATION

HARDWARE NOTES:

A: PANIC BAR REINF. PLATE 4" X 6" 16 GA. STEEL (2) B: CLOSER REINF. PLATES 6" X 15" 16 GA. STEEL (2) 23: 1922 WOOD BLOCK



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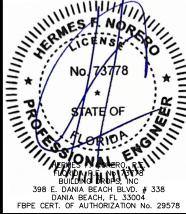
E: SERIES 92TB SINGLE
INSWING/OUTSWING FLUSH
DOOR W/ MORTISE LOCK &
DEADBOLT

REMARKS

PREPARED BY:

BUILDING DROPS, IN
398 E. DANIA BEACH BLVD, STE. 35
DANIA BEACH, FL 33004
DANIA BEACH, FL 33004 BY DATE 5TH FBC CODE CHANGE AM 10.10.16 6TH FBC CODE CHANGE SM 02.19.18 FB 08.22.23

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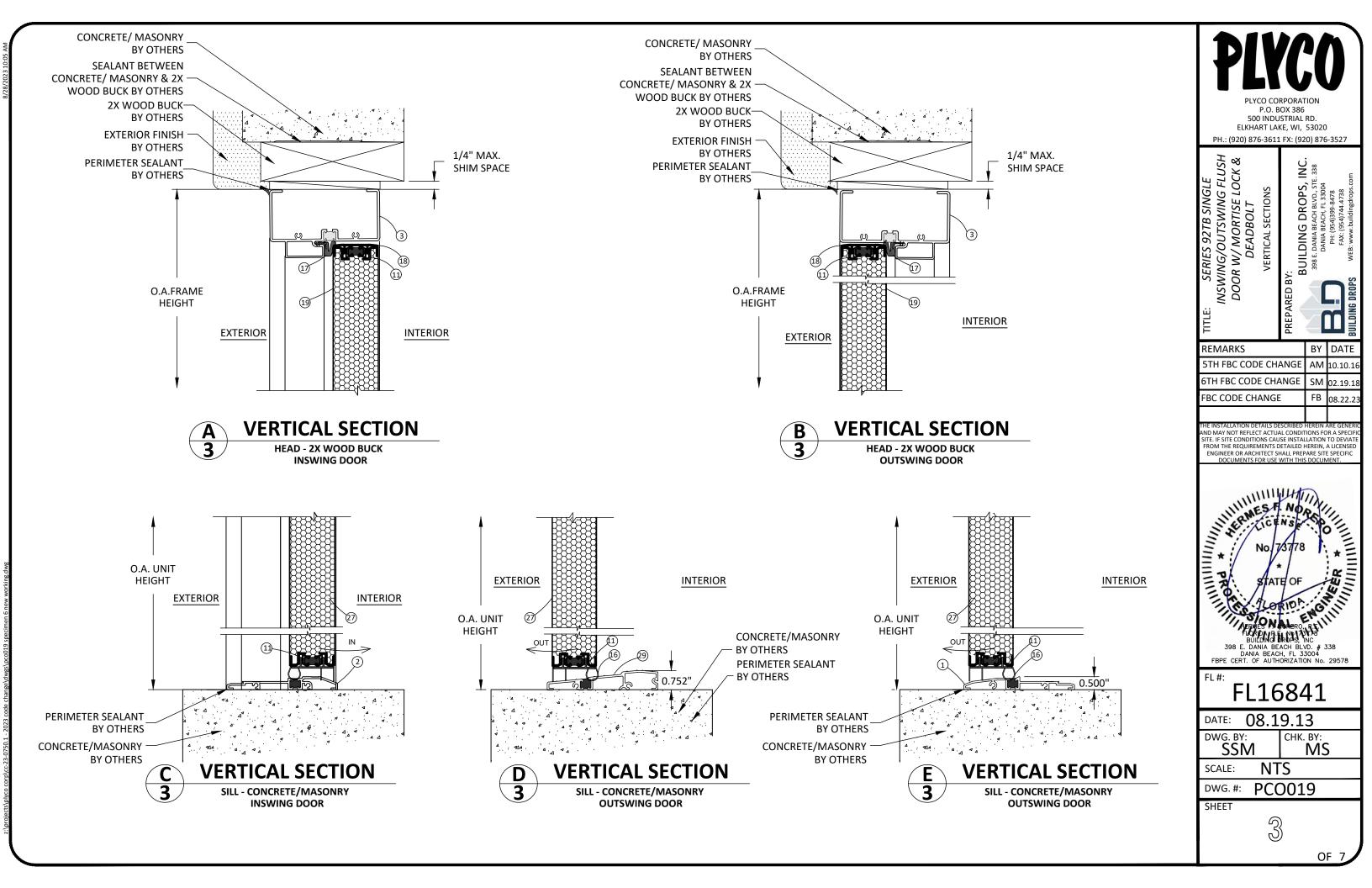
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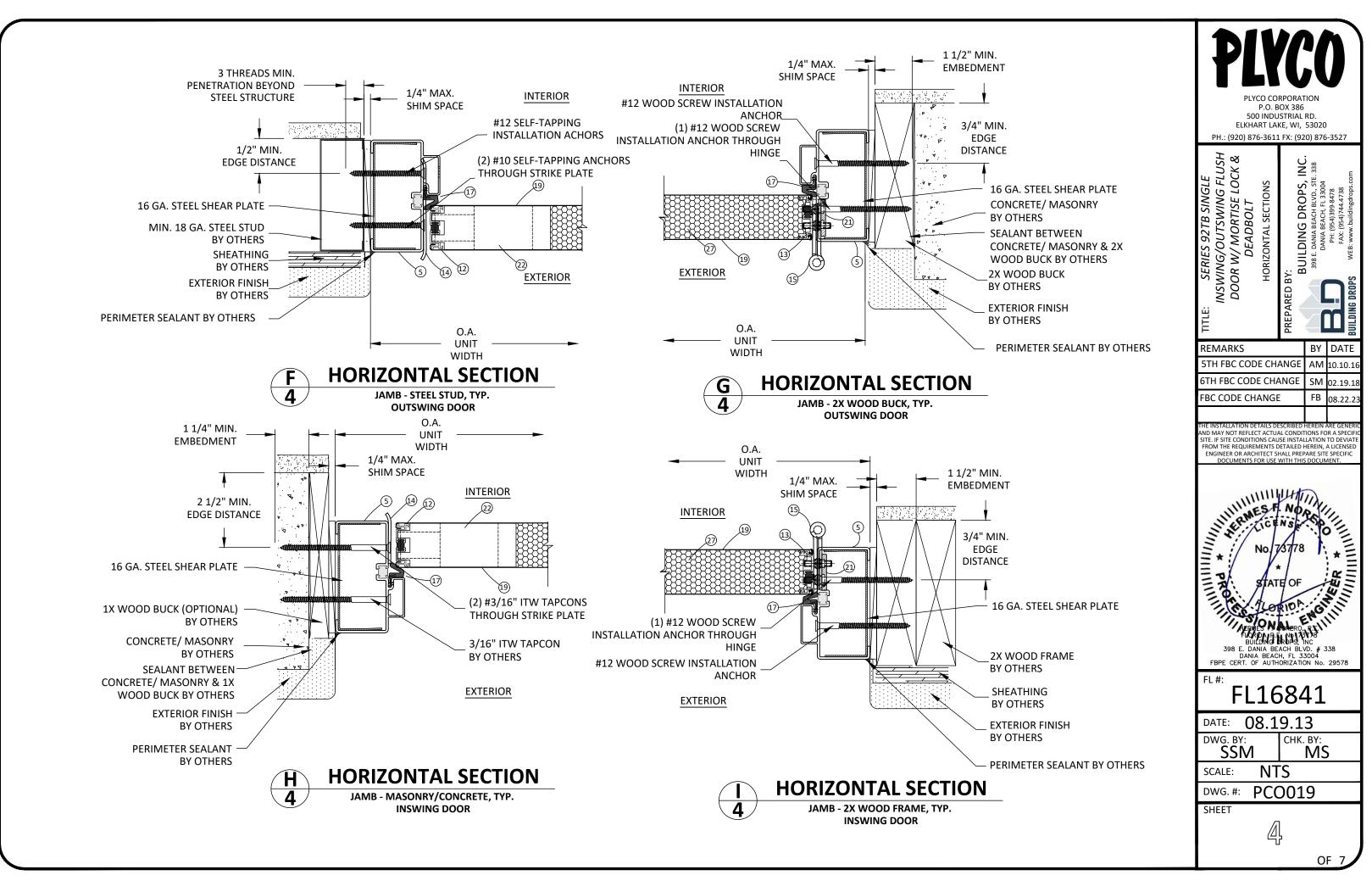
PCO019 DWG. #:

SHEET

OF 7

FBC CODE CHANGE





500HV

B60N

134A

2062

720ME

STEEL

STEEL

STEEL

6063-T5

6005-T5

POLYURETHANE

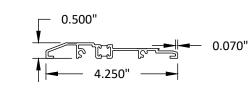
1 FRAME SILL - OUT ALUMINUM 6063-T5

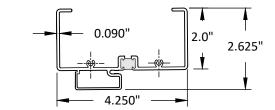
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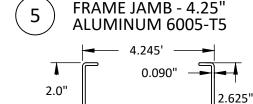
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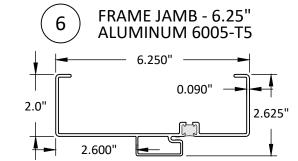
PRAME SILL - IN ALUMINUM 6063-T5

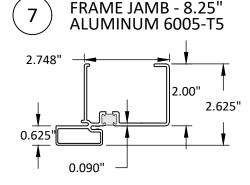
FRAME HEAD ALUMINUM 6063-T5





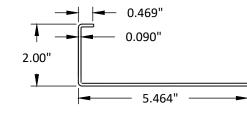




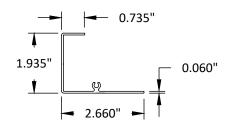


8 FRAME JAMB EXTENSION - 8.25"

- 0.070"



9 HEAD EXTENSION ALUMINUM 6063-T5



HEAD EXTENSION ALUMINUM 6063-T5

24

25

26

27

28

29

30

LOCKSET

DEADBOLT

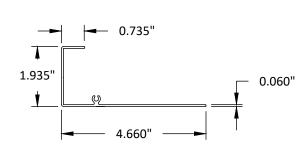
MORTISE LOCK

PANEL CORE

SHEAR PLATE

FRAME SILL - OUT

ALUMINUM BAR





ADVANTAGE

ADVANTAGE

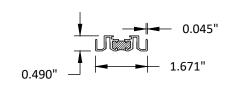
FOAM SUPPLIES

ASTROSHAPES

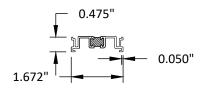
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PLYCO

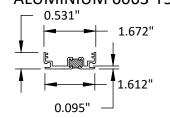
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STRIKE RAIL ALUMINIUM 6063-T5



HINGE RAIL ALUMINIUM 6063-T5



PLYCO

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ELKHART LAKE, WI, 53020

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INSWING/OUTSWING FLUSH
DOOR W/ MORTISE LOCK &
DEADBOLT
COMPONENTS &
BILL OF MATERIALS

RED BY:

BUILDING DROPS, I
398 E. DANIA BEACH BLVD., STE.
DANIA BEACH, FL 33004
PH: (954)399-8478

PREPARED BY:

REMARKS BY DATE

5TH FBC CODE CHANGE AM 10.10.10

6TH FBC CODE CHANGE SM 02.19.18

FBC CODE CHANGE FB 08.22.2

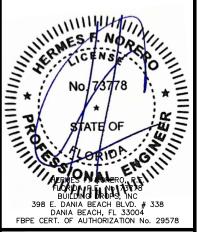
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DATE: 08.19.13

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SSM MS

SSM SCALE: NTS

DWG. #: PCO019

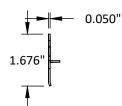
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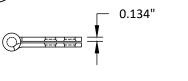
OF 7



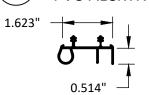
(14) STRIKE PLATE STAINLESS



(15) 4.5" BUTT HINGE STAINLESS

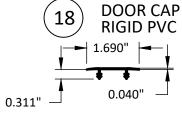


DOOR SWEEP PVC-ALCRYN

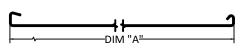


(17) WEATHERSTRIPPING Q-LON/FOAM



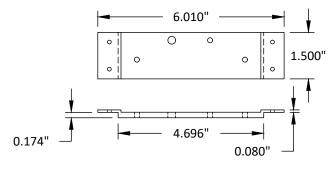


PANEL SKIN .021" GALV. STL.

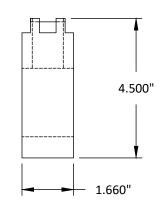


DIW	DIM "A"		
PANEL SIZE	SKIN SIZE		
2'-4"	27.70"		
2'-6"	29.70"		
2'-8"	31.70"		
3'-0"	35.70"		
3'-6"	41.70"		
4'-0"	47.70"		

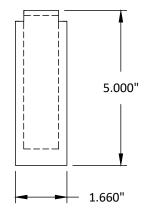
HINGE REINFORCEMENT ALUMINUM 6063-T5



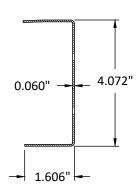
LOCK BLOCK WOOD BLOCK



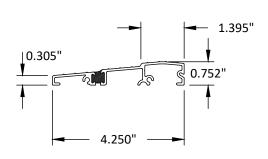
LOCK BLOCK M1 WOOD BLOCK



28) SHEAR PLATE 16 GA. STEEL



29 FRAME SILL - OUT 6063-T5



FURNIES NAMERO, REF FURNAME, NOT 3418 BUILDING DROPS, INC 398 E. DANIA BEACH BLVD. # 338 DANIA BEACH, FL 33004 FBPE CERT. OF AUTHORIZATION No. 29578

FL16841

P.O. BOX 386 500 INDUSTRIAL RD.

ELKHART LAKE, WI, 53020

PH.: (920) 876-3611 FX: (920) 876-3527

COMPONENTS (CONTINUED)

3UILDING DROPS, INC. 398 E. DANIA BEACH BLVD., STE. 338 DANIA BEACH, FL 33004 PH: (954)399-8478

BY DATE

AM 10.10.16

SM 02.19.18

FB _{08.22.2}

E: SERIES 92TB SINGLE
INSWING/OUTSWING FLUSH
DOOR W/ MORTISE LOCK &
DEADBOLT

REMARKS

5TH FBC CODE CHANGE

6TH FBC CODE CHANGE

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FBC CODE CHANGE

DATE: 08.19.13

DWG. BY: CHK. BY:

DWG. BY:

SCALE: NTS
DWG. #: PCO019

SHEET

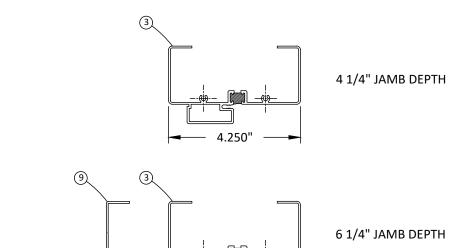


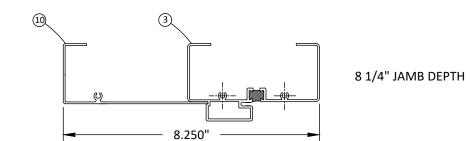
OF 7

MS

/28/2023 10:06 AN

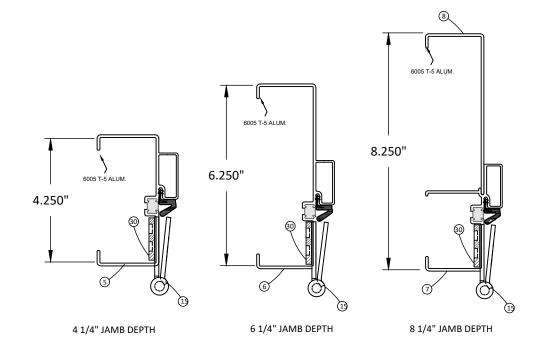
FRAME EXTENSIONS (HEADER)





6.250"

FRAME EXTENSIONS (JAMBS)





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PH.: (920) 876-3611 FX: (920) 876-3527

JOUISWING FLUST V/ MORTISE LOCK & DEADBOLT AL FRAME EXTENSIONS DETAIL

OPTIONAL FR
D

PREPARED BY:

REMARKS
BY DATE

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6TH FBC CODE CHANGE SM 02.19.18

FBC CODE CHANGE FB 08.22.23

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DATE: 08.19.13

DWG. BY: SSM SCALE:

CHK. BY:
MS
NTS

DWG. #: PCO019

SHEET

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OF 7