

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 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.
8. FOR INSTALLATION INTO STEEL STUD FRAME USE **#12 TEK SCREWS** OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM 3 THREADS PENETRATION BEYOND STEEL STRUCTURE.
9. FOR INSTALLATION INTO STEEL STUD FRAME USE (2) **#10 TEK SCREWS** THROUGH STRIKE PLATE 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 PROPERTIES:

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).

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

• AAMA/WDMA/CSA 101/I.S.2/A440-17
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 THE 8TH EDITION OF THE FLORIDA BUILDING CODE.

PLYCO CORPORATION

SERIES 92TB SINGLE INSWING/OUTSWING

FLUSH DOOR W/ LOCK & DEADBOLT

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| 7                 | OPTIONAL FRAME EXTENSIONS DETAIL |

| DESIGN PRESSURE RATING    |             |              |                 |                       |
|---------------------------|-------------|--------------|-----------------|-----------------------|
| LOCK TYPE                 | FRAME WIDTH | FRAME HEIGHT | DESIGN PRESSURE | MISSILE IMPACT RATING |
| SINGLE POINT              | 51.75"      | 86.12"       | +40 / -40 PSF** | NON-IMPACT            |
| SINGLE POINT W/ DEAD BOLT | 51.75"      | 86.12"       | +45 / -45 PSF** | NON-IMPACT            |
| SINGLE POINT W/ DEAD BOLT | 40.00"      | 86.13"       | +55 / -55 PSF** | 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.

\*\* WATER TEST PRESSURE = 0 PSF



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TITLE:

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

INSTALLATION & GENERAL NOTES

PREPARED BY:

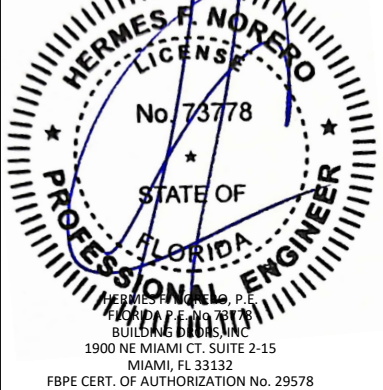
BUILDING DROPS, INC.

1900 NE MIAMI COURT, STE. 2-15  
MIAMI, FL 33132  
PH: (954)399-8478  
FAX: (954)744.4738  
WEB: www.buildingdrops.com

| REMARKS             | BY | DATE     |
|---------------------|----|----------|
| 5TH FBC CODE CHANGE | AM | 10.10.16 |
| 6TH FBC CODE CHANGE | SM | 02.19.18 |
| FBC CODE CHANGE     | FB | 08.22.23 |
| DOOR ADDITION       | JR | 05.05.25 |

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.

Digitally signed by Hermes F. Norero, P.E.  
Reason: I am approving this document  
Date: 2025.07.14 10:59:25 -0400



FL #:

FL16841

DATE:

08.19.13

DWG. BY:

SSM

CHK. BY:

MS

SCALE:

NTS

DWG. #:

PCO017

SHEET

1

OF 7

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

**PREPARED BY:**

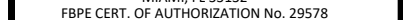
**BUILDING DROPS, INC.**  
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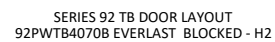
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SCALE: NTS

SHEET

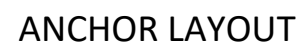
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OF 7

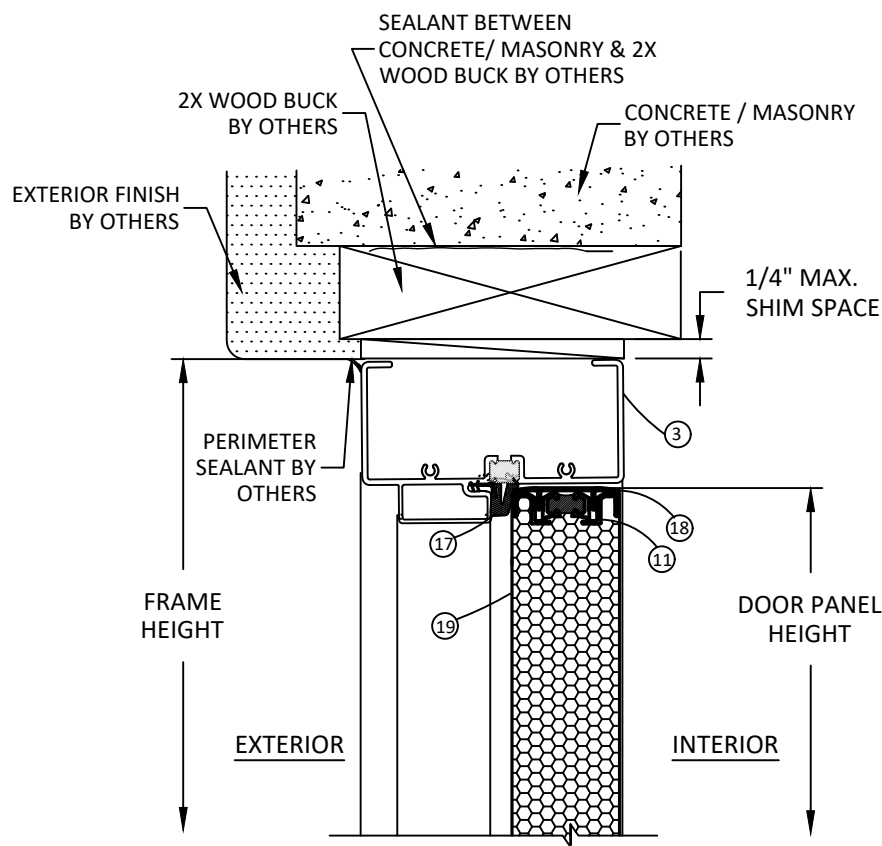


A: PANIC BAR REINF. PLATE 4" X 6" 16 GA. STEEL (2)  
B: CLOSER REINF. PLATES 6" X 15" 16 GA. STEEL (2)  
22: 1921 WOOD BLOCK

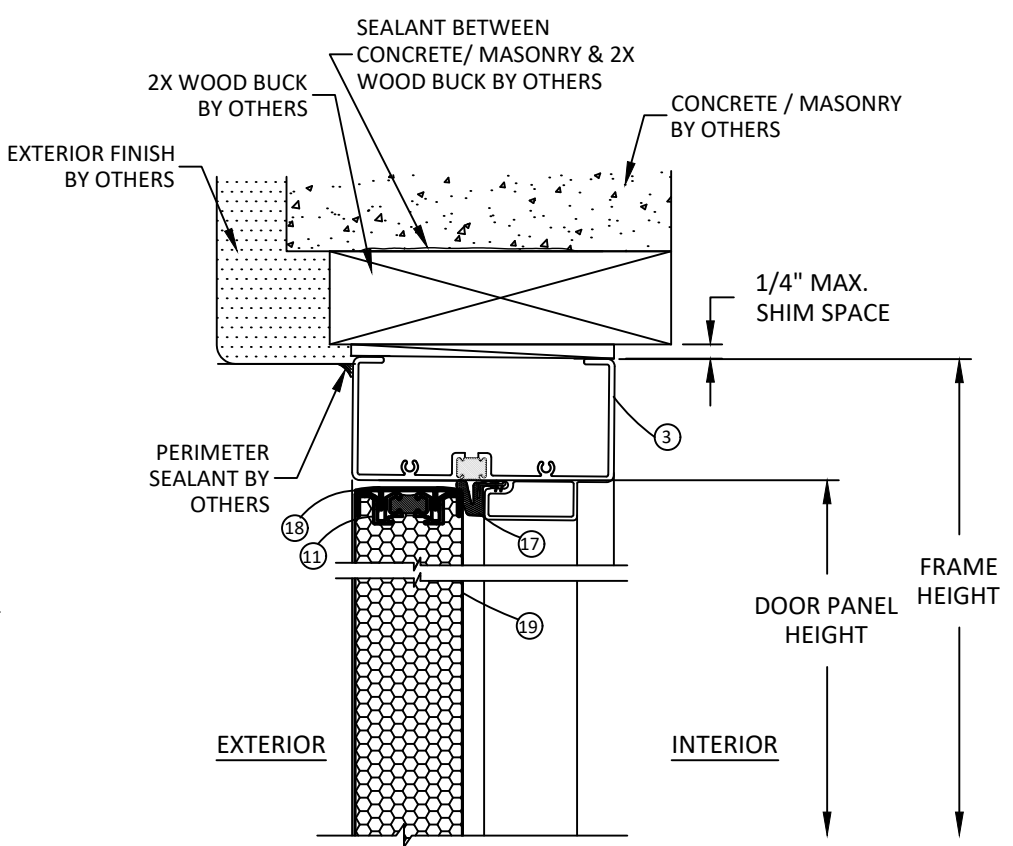
$$\begin{aligned}\text{PANEL HEIGHT} &= \text{FRAME HEIGHT} - 3.0'' \\ \text{PANEL WIDTH} &= \text{FRAME WIDTH} - 4.25''\end{aligned}$$



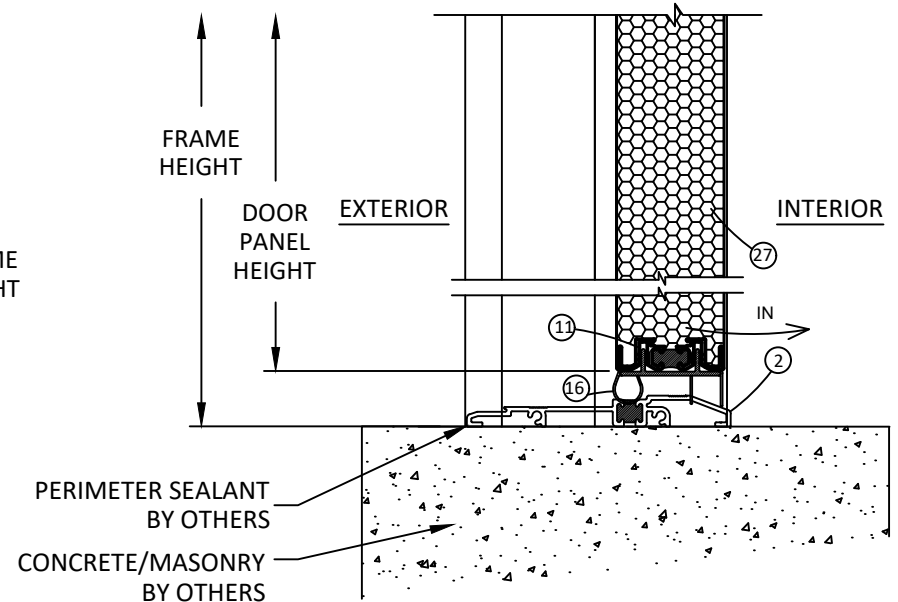
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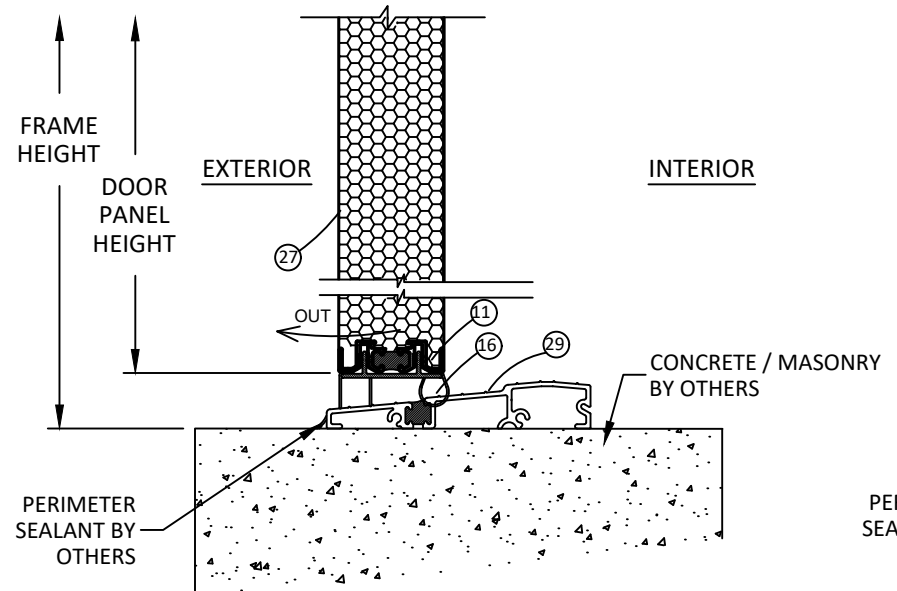
**A**  
**3** **VERTICAL SECTION**  
HEAD - 2X WOOD BUCK  
INSWING DOOR



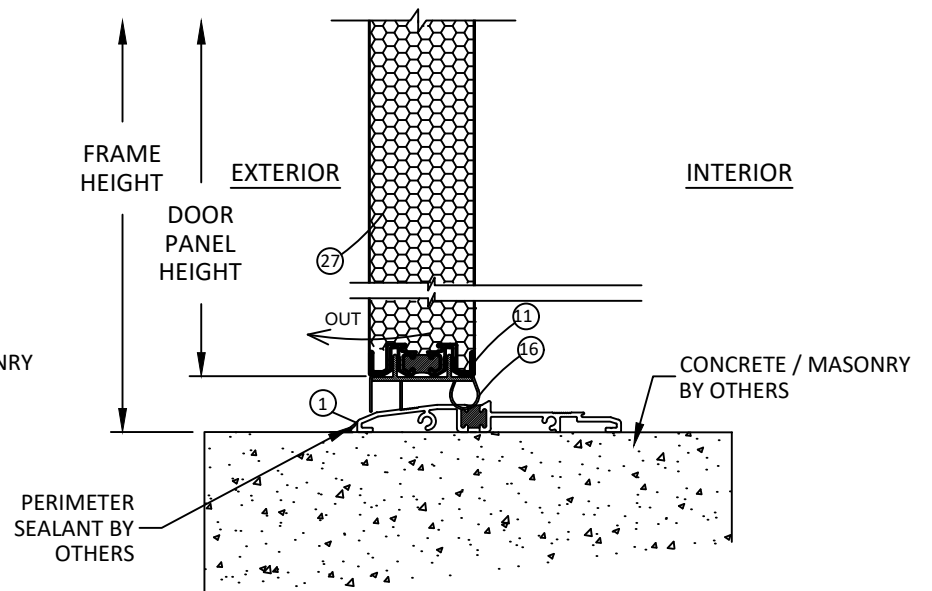
**B**  
**3** **VERTICAL SECTION**  
HEAD - 2X WOOD BUCK  
OUTSWING DOOR



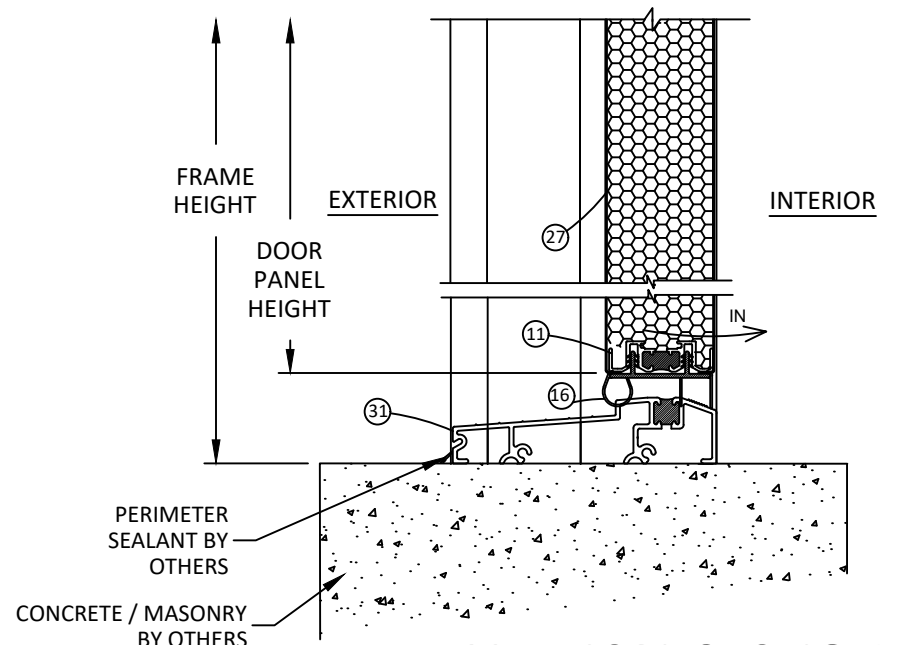
**C**  
**3** **VERTICAL SECTION**  
SILL - CONCRETE/MASONRY  
INSWING DOOR



**D**  
**3** **VERTICAL SECTION**  
SILL - CONCRETE/MASONRY  
OUTSWING DOOR



**E**  
**3** **VERTICAL SECTION**  
SILL - CONCRETE/MASONRY  
OUTSWING DOOR



**F**  
**3** **VERTICAL SECTION**  
SILL - CONCRETE/MASONRY  
INSWING DOOR



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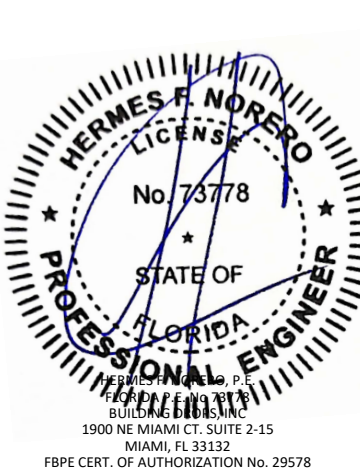
TITLE: **SERIES 92TB SINGLE INSWING/OUTSWING FLUSH DOOR W/ LOCK & DEADBOLT VERTICAL SECTIONS**

PREPARED BY: **BUILDING DROPS, INC.**  
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**BD**  
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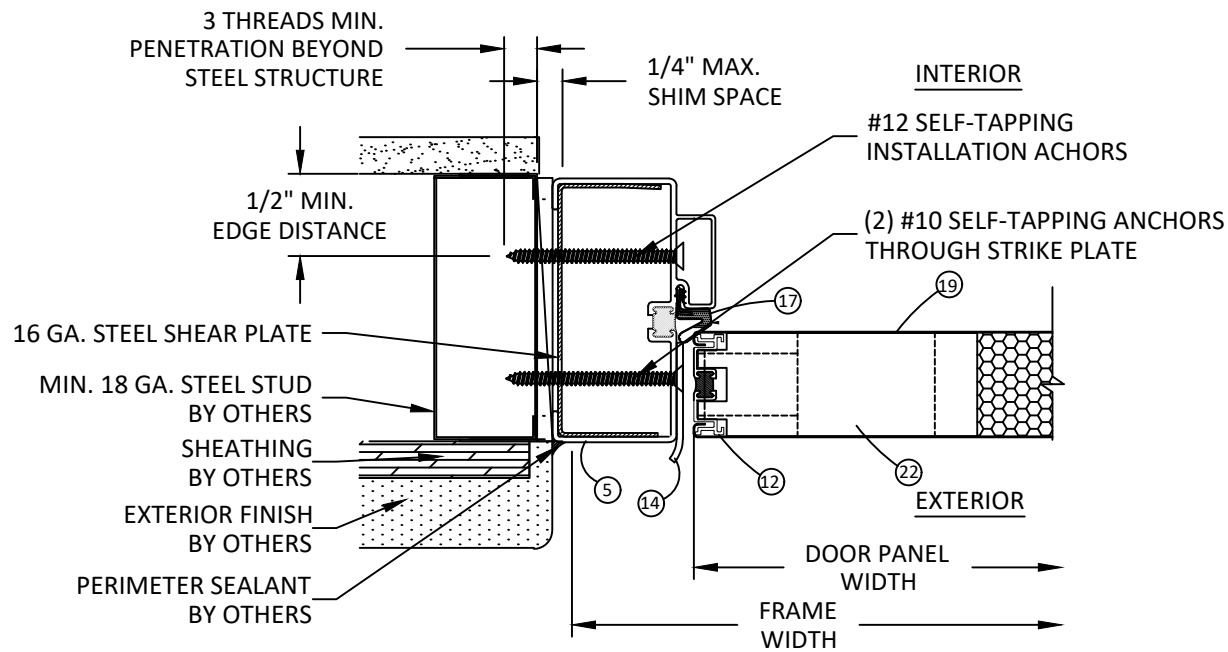
| REMARKS             | BY | DATE     |
|---------------------|----|----------|
| 5TH FBC CODE CHANGE | AM | 10.10.16 |
| 6TH FBC CODE CHANGE | SM | 02.19.18 |
| FBC CODE CHANGE     | FB | 08.22.23 |
| DOOR ADDITION       | JR | 05.05.25 |

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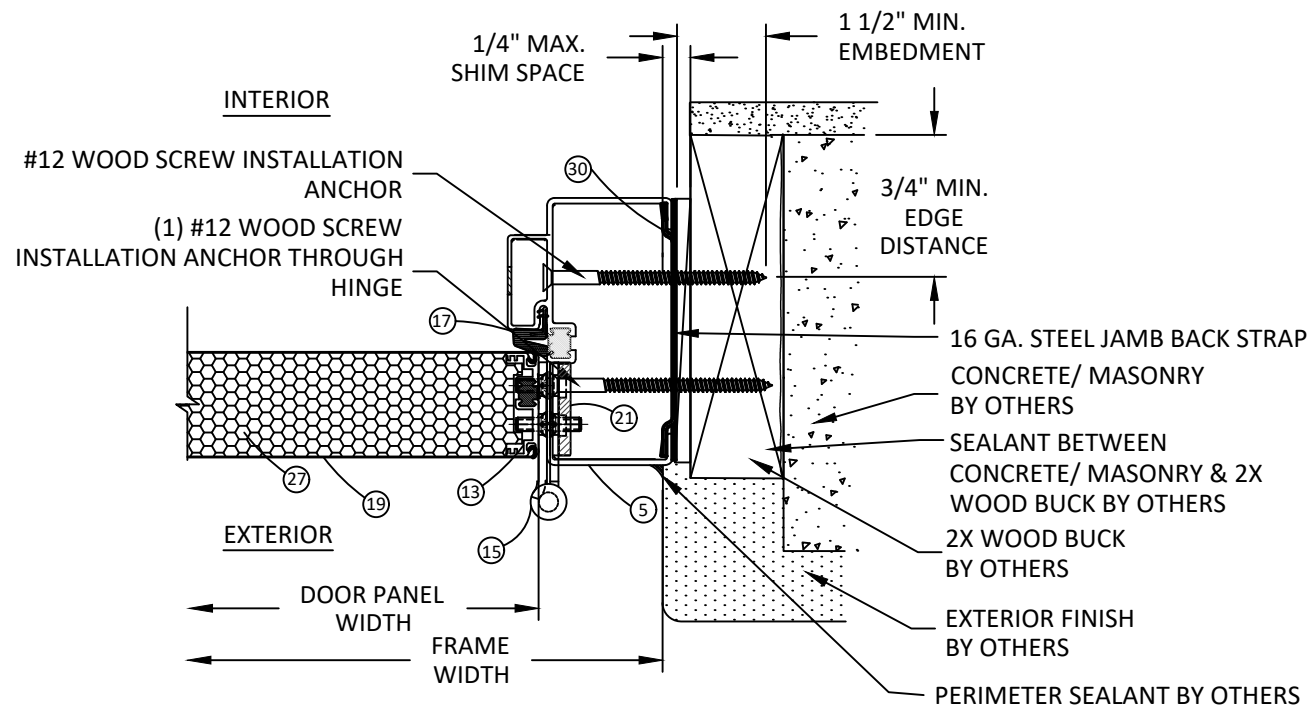


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|----------|-----------------|
| FL #:    | <b>FL16841</b>  |
| DATE:    | <b>08.19.13</b> |
| DWG. BY: | <b>SSM</b>      |
| CHK. BY: | <b>MS</b>       |
| SCALE:   | <b>NTS</b>      |
| DWG. #:  | <b>PCO017</b>   |
| SHEET    | <b>3</b>        |

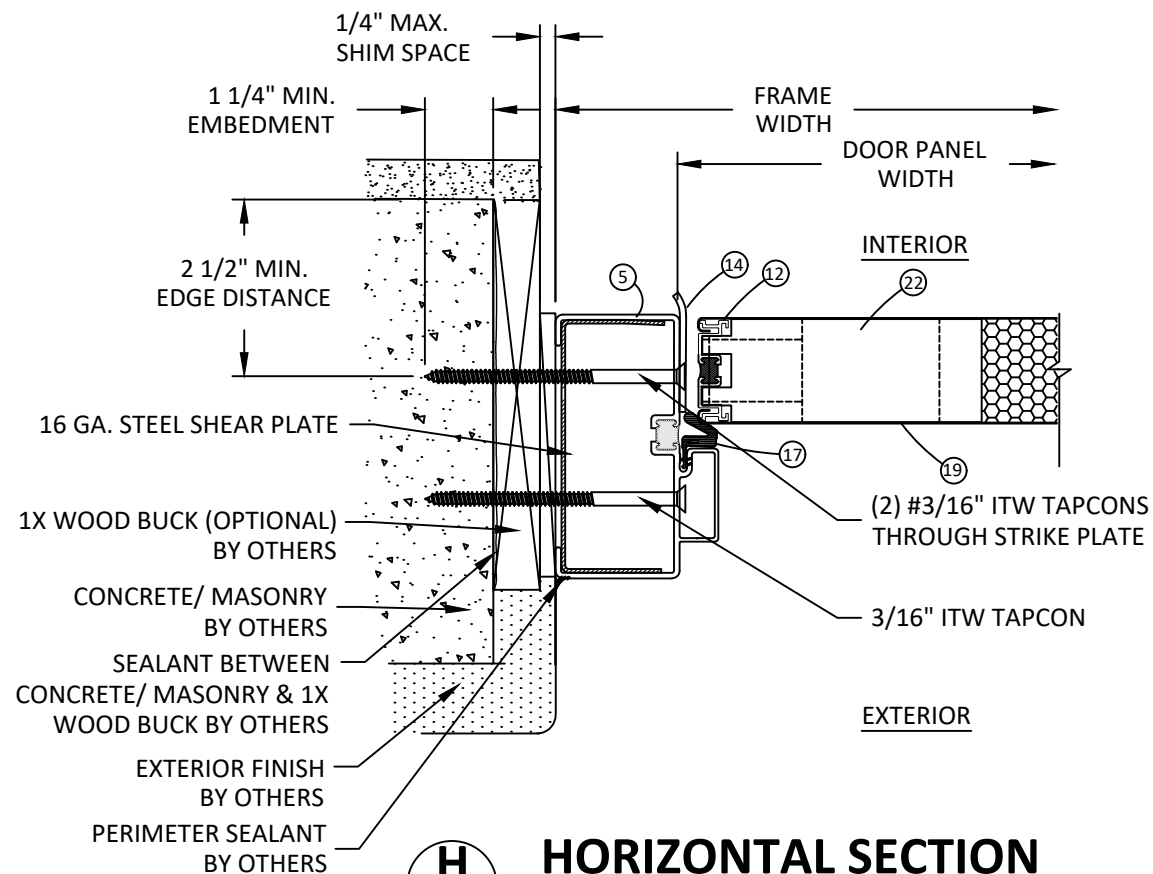
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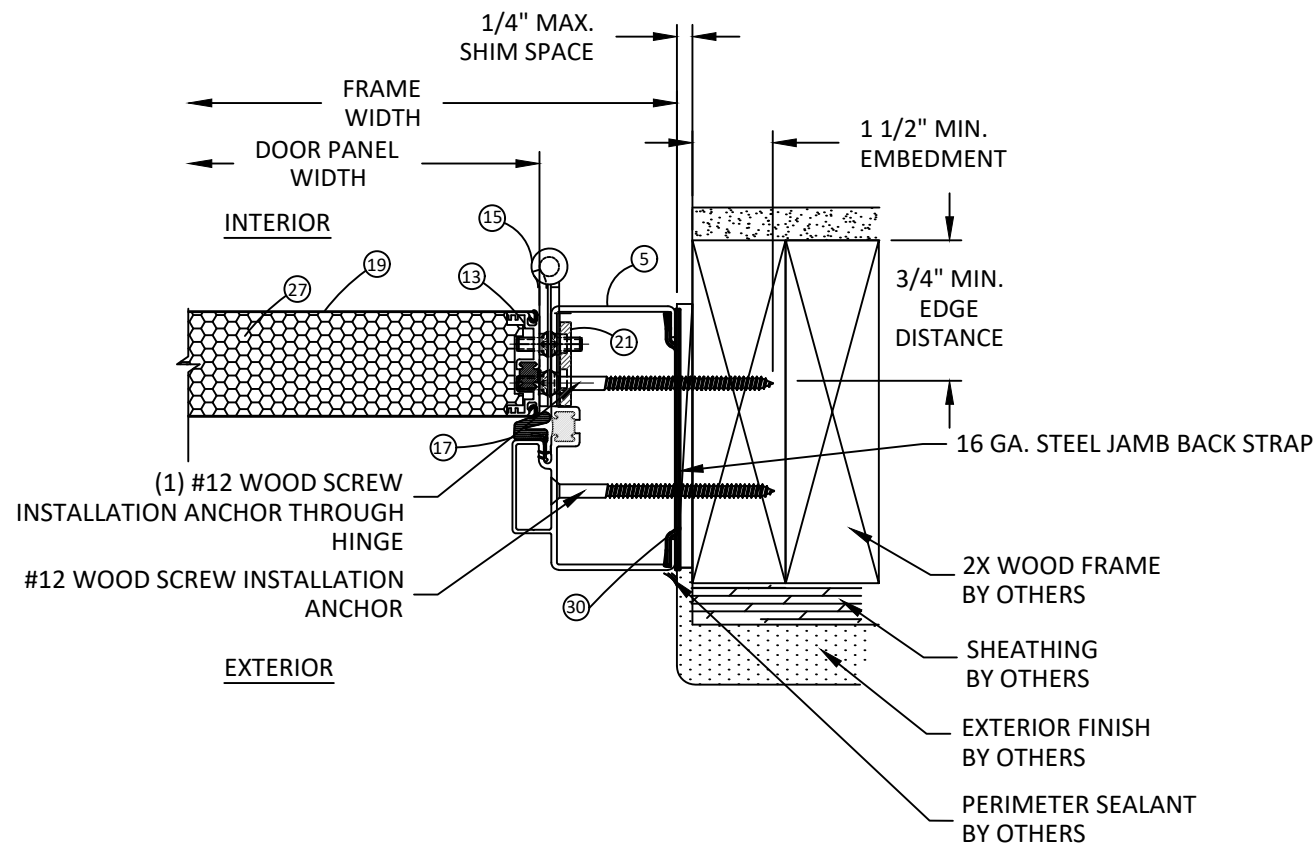
**F**  
**4** **HORIZONTAL SECTION**  
JAMB - STEEL STUD, TYP.  
OUTSWING DOOR



**G**  
**4** **HORIZONTAL SECTION**  
JAMB - 2X WOOD BUCK, TYP.  
OUTSWING DOOR



**H**  
**4** **HORIZONTAL SECTION**  
JAMB - MASONRY/CONCRETE, TYP.  
INSWING DOOR



**I**  
**4** **HORIZONTAL SECTION**  
JAMB - 2X WOOD FRAME, TYP.  
INSWING DOOR

**PLYCO**

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TITLE: **SERIES 92TB SINGLE INSWING/OUTSWING FLUSH DOOR W/ LOCK & DEADBOLT HORIZONTAL SECTIONS**

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| FBC CODE CHANGE     | FB | 08.22.23 |
| DOOR ADDITION       | JR | 05.05.25 |

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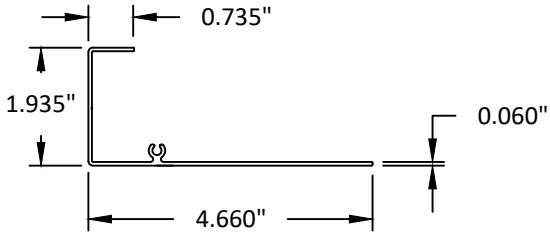


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| FL #:    | <b>FL16841</b>  |
| DATE:    | <b>08.19.13</b> |
| DWG. BY: | <b>SSM</b>      |
| CHK. BY: | <b>MS</b>       |
| SCALE:   | <b>NTS</b>      |
| DWG. #:  | <b>PCO017</b>   |
| SHEET    | <b>4</b>        |

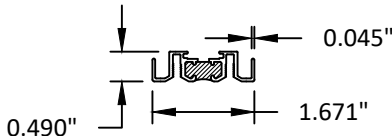
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| BILL OF MATERIALS |                         |          |                    |                  |
|-------------------|-------------------------|----------|--------------------|------------------|
| ITEM #            | DESCRIPTION             | PART #   | MATERIAL           | MANUFACTURER     |
| 1                 | FRAME SILL - OUT        | HM-23811 | 6063-T5            | PLYCO            |
| 2                 | FRAME SILL - IN         | HM-23812 | 6063-T5            | PLYCO            |
| 3                 | FRAME HEAD              | 1516     | 6063-T5            | PLYCO            |
| 4                 | (NOT USED)              | -        | -                  | -                |
| 5                 | FRAME JAMB - 4.25"      | 1913     | 6005-T5            | PLYCO            |
| 6                 | FRAME JAMB - 6.25"      | 1916     | 6005-T5            | PLYCO            |
| 7                 | FRAME JAMB - 8.25"      | 1917     | 6005-T5            | PLYCO            |
| 8                 | FRAME JAMB EXT. - 8.25" | 1918     | 6005-T5            | PLYCO            |
| 9                 | HEAD EXTENSION          | 1517     | 6063-T5            | PLYCO            |
| 10                | HEAD EXTENSION          | 1518     | 6063-T5            | PLYCO            |
| 11                | HEAD & SILL RAIL        | 1905     | 6063-T5            | PLYCO            |
| 12                | STRIKE RAIL             | 1899     | 6063-T5            | PLYCO            |
| 13                | HINGE RAIL              | 1900     | 6063-T5            | PLYCO            |
| 14                | STRIKE PLATE            | 1610-C   | STAINLESS          | PLYCO            |
| 15                | 4.5" BUTT HINGE         | 1500     | STAINLESS          | PLYCO            |
| 16                | DOOR SWEEP              | 1852-B   | PVC-ALCRYN         | LOXSCREEN        |
| 17                | WEATHERSTRIPPING        | QEBD650  | Q-LON/FOAM         | SCHLEGEL         |
| 18                | DOOR CAP                | 1883     | RIGID PVC          | PLYCO            |
| 19                | PANEL SKIN              |          | .021" GALV. STL.   | PLYCO            |
| 20                | (NOT USED)              | -        | -                  | -                |
| 21                | HINGE REINFM'T          | 1288     | 6063-T5            | PLYCO            |
| 22                | LOCK BLOCK              | 1921     | WOOD BLOCK         | PLYCO            |
| 23                | LOCK BLOCK M1           | 1922     | WOOD BLOCK         | PLYCO            |
| 24                | LOCKSET                 | 500HV    | STEEL              | ADVANTAGE        |
| 25                | DEADBOLT                | B60N     | STEEL              | SCHLAGE          |
| 26                | MORTISE LOCK            | 720ME    | STEEL              | ADVANTAGE        |
| 27                | PANEL CORE              | 134A     | POLYURETHANE       | FOAM SUPPLIES    |
| 28                | SHEAR PLATE             |          |                    | PLYCO            |
| 29                | FRAME SILL - OUT        | 2062     | 6063-T5            | ASTROSHAPES      |
| 30                | JAMB BACK STRAP         | -        | 16 GAGE GALV. STL. | MODERN DOOR CORP |
| 31                | LW THRESHOLD - IN       | 2010-4   | 6063-T6            | ASTROSHAPES      |

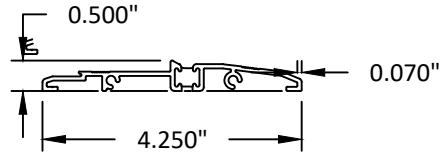
10 HEAD EXTENSION  
ALUMINUM 6063-T5



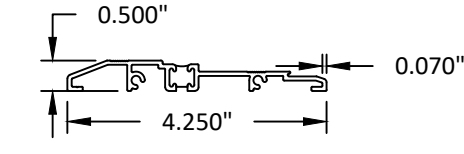
11 HEAD & SILL RAIL  
ALUMINUM 6063-T5



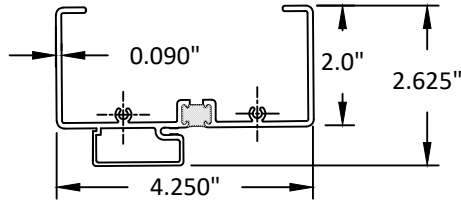
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ALUMINUM 6063-T5



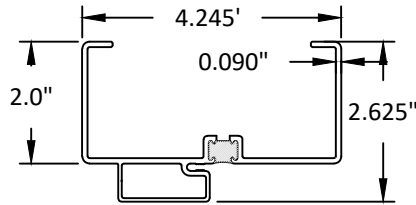
2 FRAME SILL - IN  
ALUMINUM 6063-T5



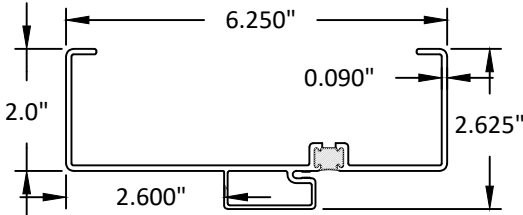
3 FRAME HEAD  
ALUMINUM 6063-T5



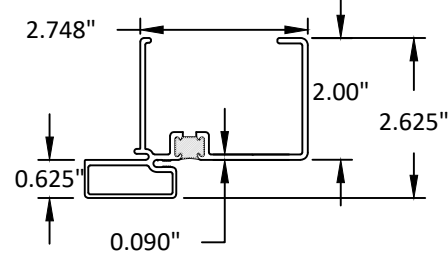
5 FRAME JAMB - 4.25"  
ALUMINUM 6005-T5



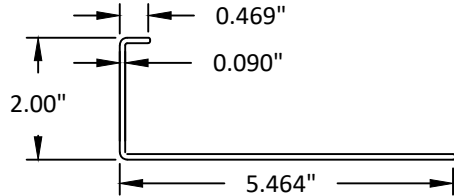
6 FRAME JAMB - 6.25"  
ALUMINUM 6005-T5



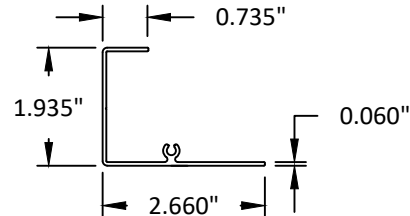
7 FRAME JAMB - 8.25"  
ALUMINUM 6005-T5



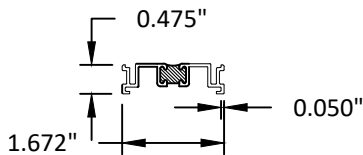
8 FRAME JAMB EXTENSION - 8.25"  
ALUMINUM 6005-T5



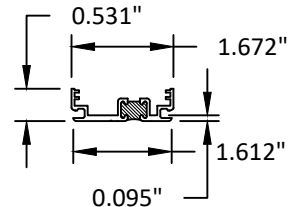
9 HEAD EXTENSION  
ALUMINUM 6063-T5



12 STRIKE RAIL  
ALUMINIUM 6063-T5



13 HINGE RAIL  
ALUMINIUM 6063-T5



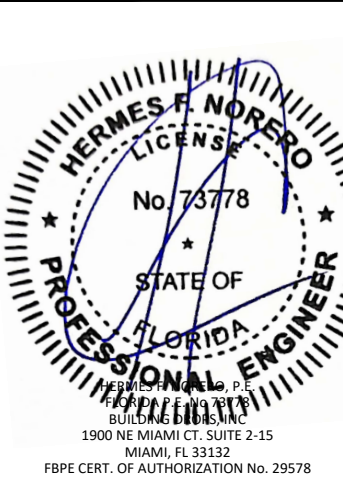
PLYCO

PLYCO CORPORATION  
P.O. BOX 386  
500 INDUSTRIAL RD.  
ELKHART LAKE, WI, 53020  
PH.: (920) 876-3611 FX: (920) 876-3527

TITLE: SERIES 92TB SINGLE  
INSWING/OUTSWING FLUSH  
DOOR W/ LOCK & DEADBOLT  
COMPONENTS  
& BILL OF MATERIALS  
PREPARED BY: BUILDING DROPS, INC.  
1900 NE MIAMI COURT, STE. 2-15  
MIAMI, FL 33132  
PH: (954) 399-8478  
FAX: (954) 744-4738  
WEB: www.buildingdrops.com

| REMARKS             | BY | DATE     |
|---------------------|----|----------|
| 5TH FBC CODE CHANGE | AM | 10.10.16 |
| 6TH FBC CODE CHANGE | SM | 02.19.18 |
| FBC CODE CHANGE     | FB | 08.22.23 |
| DOOR ADDITION       | JR | 05.05.25 |

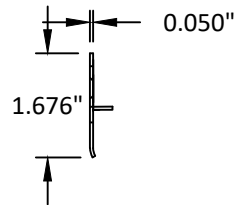
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC  
AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC  
SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE  
FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED  
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DOCUMENTS FOR USE WITH THIS DOCUMENT.



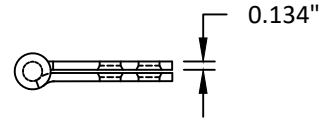
|          |          |
|----------|----------|
| FL #:    | FL16841  |
| DATE:    | 08.19.13 |
| DWG. BY: | SSM      |
| CHK. BY: | MS       |
| SCALE:   | NTS      |
| DWG. #:  | PCO017   |
| SHEET    | 5        |

c:\users\julianarodriguez\building\_drops, inc\building drops landing - documents\common\projects\plyco corp\fb-25-01501 - fbc submittal - series 92tb flush door - fl16841.1 - revision\dwgs\pco017.dwg 6/26/2025 10:51 AM

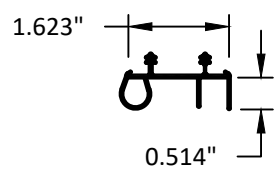
14 STRIKE PLATE  
STAINLESS



15 4.5" BUTT HINGE  
STAINLESS



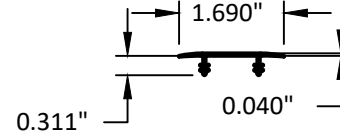
16 DOOR SWEEP  
PVC-ALCRYN



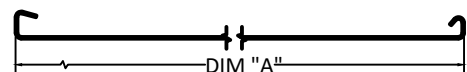
17 WEATHERSTRIPPING  
Q-LON/FOAM



18 DOOR CAP  
RIGID PVC

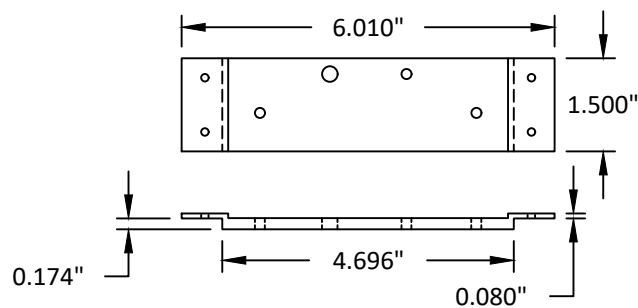


19 PANEL SKIN  
.021" GALV. STL.

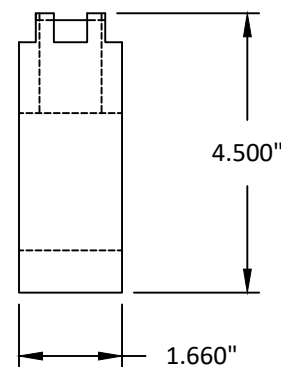


| DIM "A"    |           |
|------------|-----------|
| PANEL SIZE | SKIN SIZE |
| 2'-4"      | 27.70"    |
| 2'-6"      | 29.70"    |
| 2'-8"      | 31.70"    |
| 3'-0"      | 35.70"    |
| 3'-6"      | 41.70"    |
| 4'-0"      | 47.70"    |

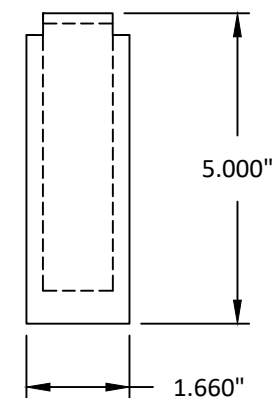
21 HINGE REINFORCEMENT  
ALUMINUM 6063-T5



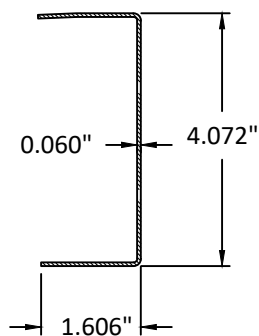
22 LOCK BLOCK  
WOOD BLOCK



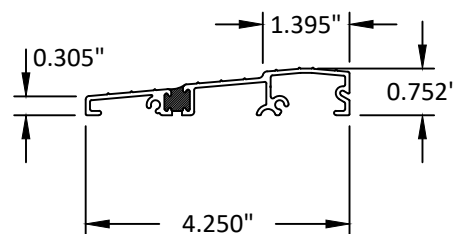
23 LOCK BLOCK M1  
WOOD BLOCK



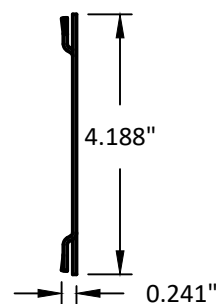
28 SHEAR PLATE  
16 GA. STEEL



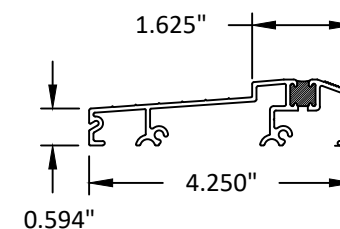
29 FRAME SILL - OUT  
6063-T5



30 JAMB BACK STRAP  
16 GAGE GALV. STL.



31 LW THRESHOLD - IN  
6063-T6



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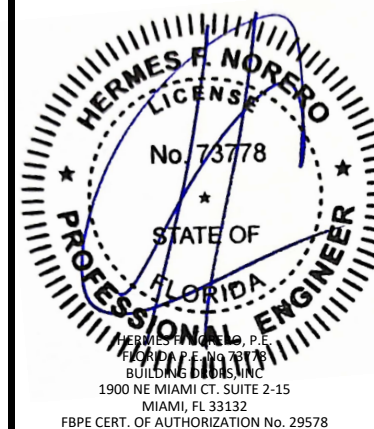
TITLE:  
SERIES 92TB SINGLE  
INSWING/OUTSWING FLUSH  
DOOR W/ LOCK & DEADBOLT  
COMPONENTS  
(CONTINUED)

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| DOOR ADDITION       | JR | 05.05.25 |

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FL #:

**FL16841**

DATE: **08.19.13**

DWG. BY: **SSM** CHK. BY: **MS**

SCALE: **NTS**

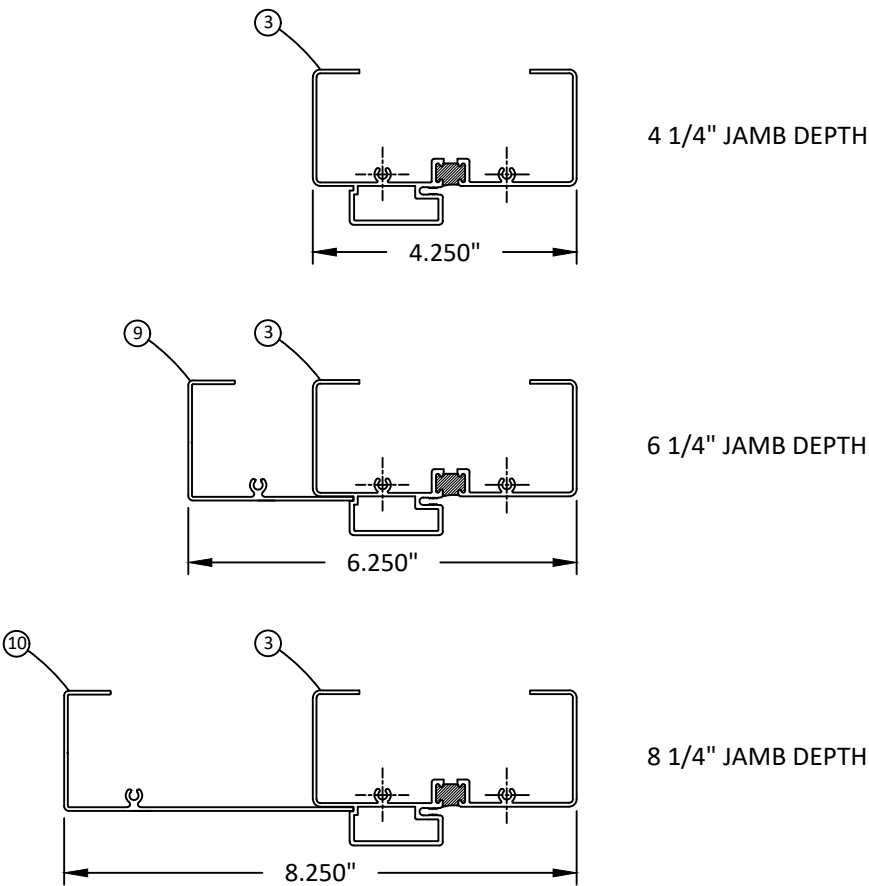
DWG. #: **PCO017**

SHEET

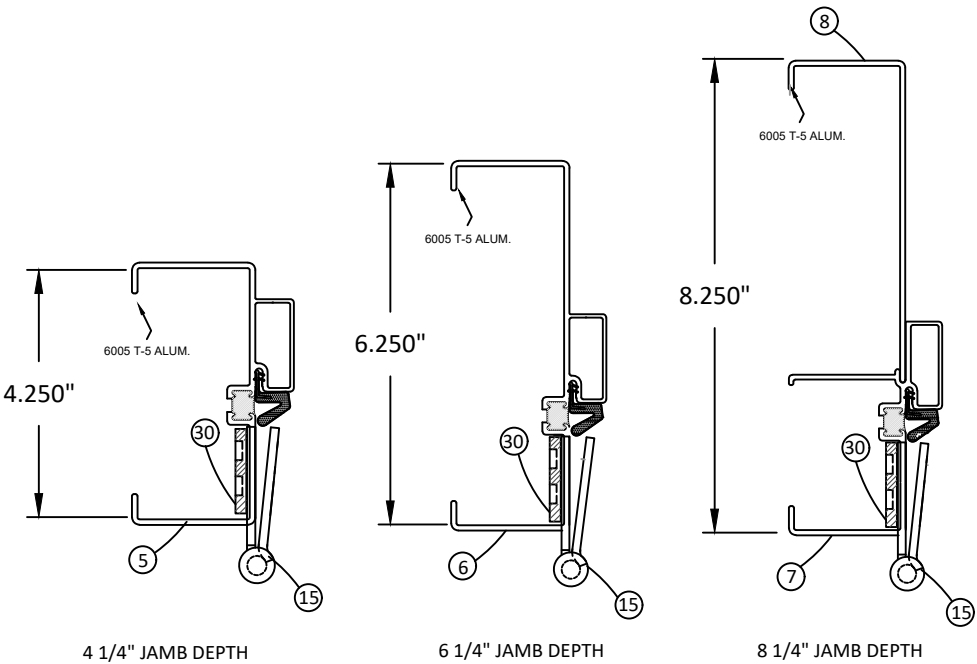
**6**

OF 7

FRAME EXTENSIONS  
(HEADER)



FRAME EXTENSIONS  
(JAMBS)



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TITLE:

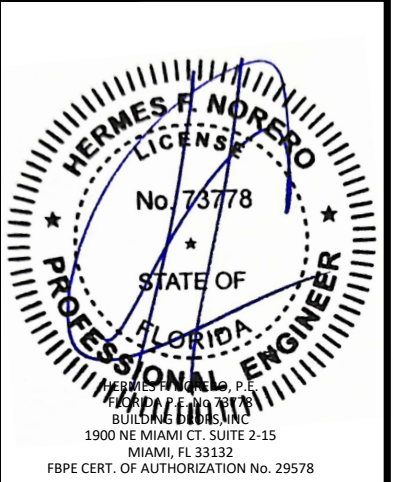
SERIES 92TB SINGLE  
INSWING/OUTSWING FLUSH  
DOOR W/ LOCK & DEADBOLT  
OPTIONAL FRAME EXTENSIONS  
DETAIL

PREPARED BY:

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DWG. BY:

SSM

CHK. BY:

MS

SCALE:

NTS

DWG. #:

PCO017

SHEET

7

OF 7