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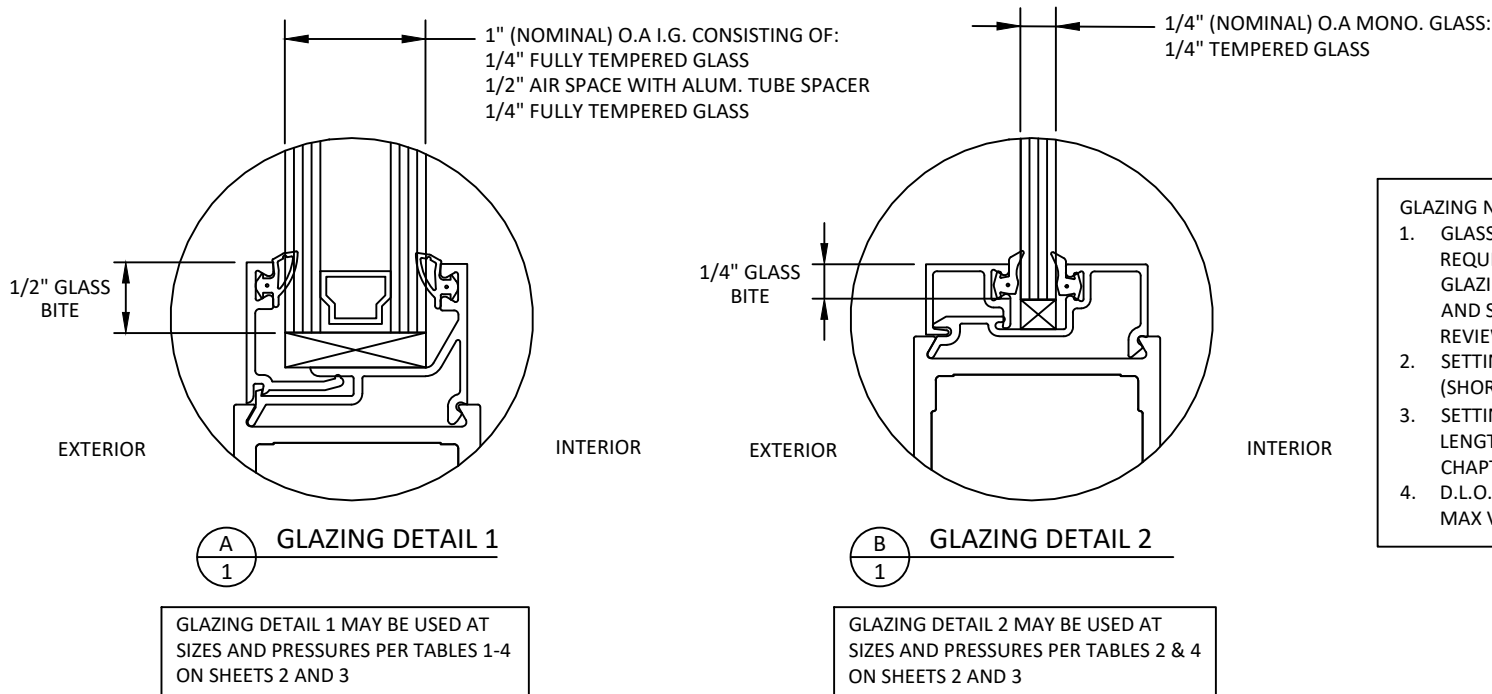
# TUBELITE, INC.

## ALUMINUM ENTRANCE DOORS

(NON-HVHZ) (NON-IMPACT)

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 E283-04(12)
  - ASTM E330-14
  - ASTM E331-00(09)
  - ASTM E2068-00
  - AAMA 1304-02
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X AND METAL STUD 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** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. DOOR FRAME MATERIAL: ALUMINUM 6063-T5 MIN.
7. GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS.
8. DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM COMPONENTS SHALL BE PROTECTED IN ACCORDANCE WITH THE FBC.
9. IF AUTHORITY HAVING JURISDICTION REQUIRES THAT PRODUCT MEETS WATER INFILTRATION REQUIREMENT, PRODUCT SHALL BE USED WHEN INSTALLED AT LOCATION PROTECTED BY OVERHANG SUCH THAT OVERHANG (OH) RATIO=OH LENGTH÷OH HEIGHT IS ≥ 1.0
10. DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:  
X: OPERABLE PANEL  
O: FIXED PANEL



- GLAZING NOTES:
1. GLASS TYPE COMPLIES WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC. TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
  2. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
  3. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
  4. D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES IN SIZE CHARTS.

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**DEPENDABLE**  
LEADERS IN ECO-EFFICIENT STOREFRONT,  
CURTAINWALL AND ENTRANCE SYSTEMS

3056 WALKER RIDGE DRIVE N.W.  
WALKER, MICHIGAN 49544  
PH: 800 866 2227 FX: 616 301 0008

TITLE:  
ALUMINUM ENTRANCE  
DOORS (NON-HVHZ)  
(NON-IMPACT)  
GENERAL NOTES & GLAZING DETAIL

PREPARED BY:  
BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD., STE. 338  
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**BD**  
BUILDING DROPS

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HERMES F. NOREPO  
LICENSE  
No. 73778  
STATE OF  
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PROFESSIONAL ENGINEER

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FLORIDA P.E. NO. 73778  
BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD. # 338  
DANIA BEACH, FL 33004  
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: **FL28368**

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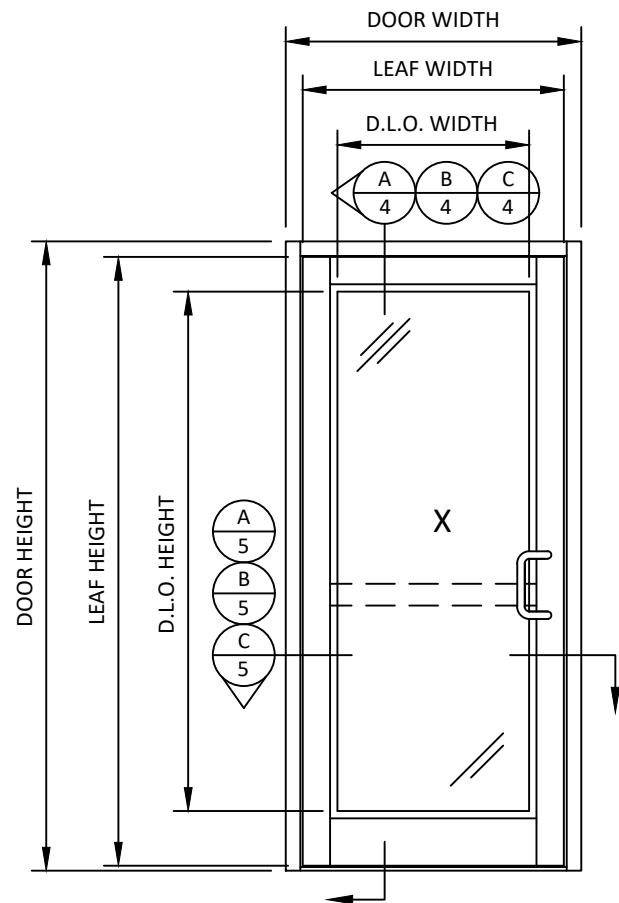
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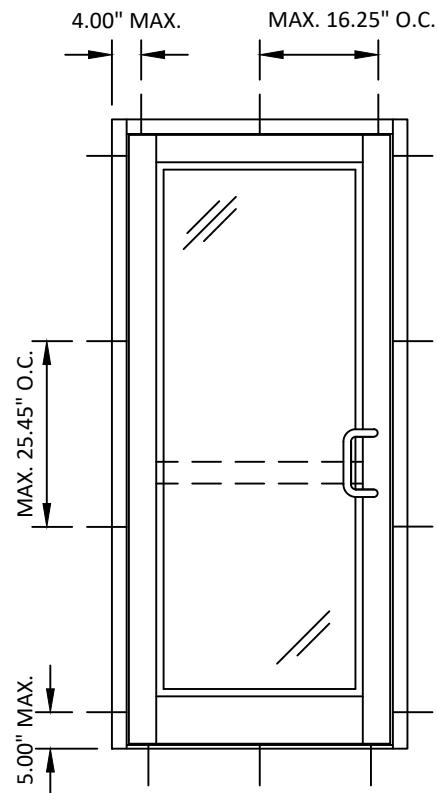
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SECTION  
**1**  
OF 10

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A  
2 SINGLE DOOR ELEVATION



B  
2 SINGLE DOOR ANCHOR LAYOUT

| SINGLE MEDIUM AND WIDE STILE DOOR<br>DESIGN PRESSURE, TABLE 1 (PSF) |        |       |       |       |       |       |       |
|---------------------------------------------------------------------|--------|-------|-------|-------|-------|-------|-------|
| LEAF WIDTH (INCHES)                                                 |        |       |       |       |       |       |       |
| LEAF HEIGHT (INCHES)                                                |        | 30.00 | 36.00 | 42.00 | 48.00 | 54.00 | 60.00 |
|                                                                     | 84.00  | 56.6  | 48.5  | 42.7  | 38.6  | 35.5  | 33.2  |
|                                                                     | 90.00  | 45.9  | 39.1  | 34.3  | 30.9  | 28.3  | 26.4  |
|                                                                     | 96.00  | 37.6  | 31.9  | 27.9  | 25.1  | 22.9  | 21.3  |
|                                                                     | 102.00 | 31.2  | 26.4  | 23.1  | 20.6  | 18.8  |       |
|                                                                     | 108.00 | 26.2  | 22.2  | 19.3  | 17.2  | 15.6  |       |
|                                                                     |        |       |       |       |       |       |       |

| SINGLE NARROW STILE DOOR<br>DESIGN PRESSURE, TABLE 2 (PSF) |        |       |       |       |       |       |       |
|------------------------------------------------------------|--------|-------|-------|-------|-------|-------|-------|
| LEAF WIDTH (INCHES)                                        |        |       |       |       |       |       |       |
| LEAF HEIGHT (INCHES)                                       |        | 30.00 | 36.00 | 42.00 | 48.00 | 54.00 | 60.00 |
|                                                            | 84.00  | 34.0  | 29.2  | 25.8  | 23.3  | 21.4  | 20.0  |
|                                                            | 90.00  | 27.7  | 23.5  | 20.7  | 18.6  | 17.1  | 15.9  |
|                                                            | 96.00  | 22.7  | 19.2  | 16.8  | 15.1  |       |       |
|                                                            | 102.00 | 18.8  | 15.9  |       |       |       |       |
|                                                            | 108.00 | 15.8  |       |       |       |       |       |
|                                                            |        |       |       |       |       |       |       |

D.L.O. WIDTH = LEAF WIDTH - 2 (1" + STILE FACE WIDTH)

D.L.O. HEIGHT = LEAF HEIGHT - (2" + BOTTOM RAIL FACE HEIGHT + BOTTOM RAIL FACE HEIGHT)

DOOR WIDTH = LEAF WIDTH + 4.75"

DOOR HEIGHT = LEAF HEIGHT + 2.75"

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DOORS (NON-HVHZ)  
(NON-IMPACT)

ELEVATIONS & CONFIGURATIONS

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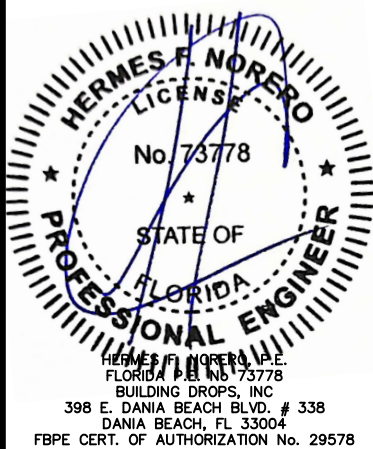
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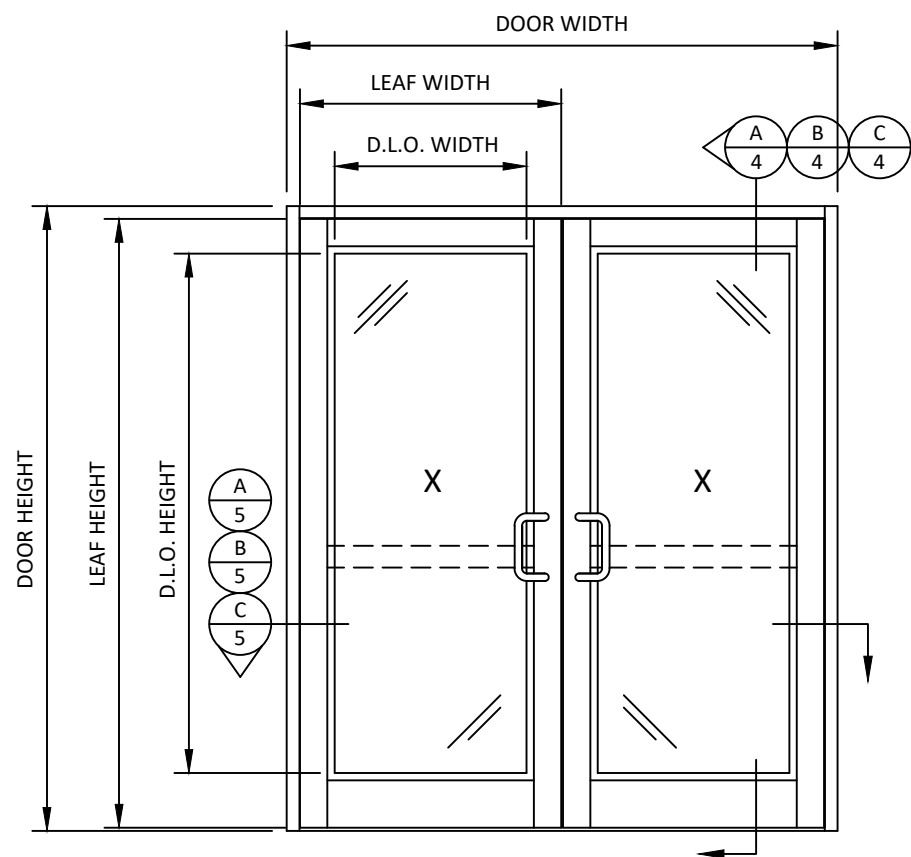
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SECTION

**2**

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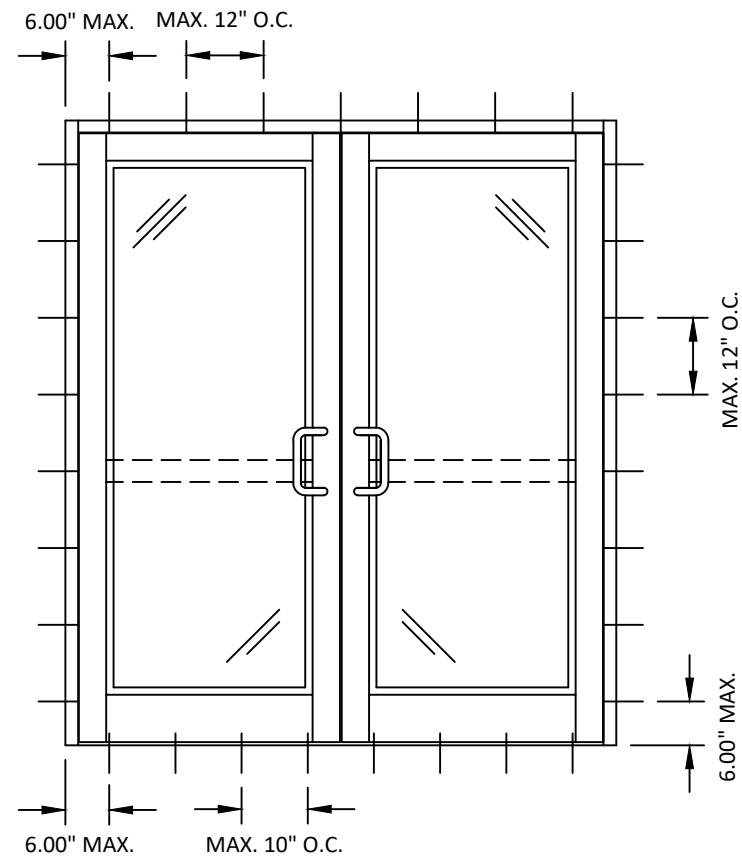
A  
3

DOUBLE DOOR ELEVATION

| DOUBLE MEDIUM AND WIDE STILE DOOR<br>DESIGN PRESSURE, TABLE 3 (PSF) |        |       |       |       |       |       |       |
|---------------------------------------------------------------------|--------|-------|-------|-------|-------|-------|-------|
| LEAF WIDTH (INCHES)                                                 |        |       |       |       |       |       |       |
| LEAF HEIGHT (INCHES)                                                |        | 30.00 | 36.00 | 42.00 | 48.00 | 54.00 | 60.00 |
|                                                                     | 84.00  | 56.6  | 48.5  | 42.7  | 38.6  | 35.5  | 33.2  |
|                                                                     | 90.00  | 45.9  | 39.1  | 34.3  | 30.9  | 28.3  | 26.4  |
|                                                                     | 96.00  | 37.6  | 31.9  | 27.9  | 25.1  | 22.9  | 21.3  |
|                                                                     | 102.00 | 31.2  | 26.4  | 23.1  | 20.6  | 18.8  |       |
|                                                                     | 108.00 | 26.2  | 22.2  | 19.3  | 17.2  | 15.6  |       |
|                                                                     |        |       |       |       |       |       |       |

D.L.O. WIDTH = LEAF WIDTH - 2 (1" + STILE FACE WIDTH)  
D.L.O. HEIGHT = LEAF HEIGHT - (2" + BOTTOM RAIL FACE  
HEIGHT + BOTTOM RAIL FACE HEIGHT)

DOOR WIDTH = LEAF WIDTH + 2 ( 4.75")  
DOOR HEIGHT = LEAF HEIGHT + 2.25"



B  
3

DOUBLE DOOR ANCHOR LAYOUT

| DOUBLE NARROW STILE DOOR<br>DESIGN PRESSURE, TABLE 4 (PSF) |        |       |       |       |       |       |       |
|------------------------------------------------------------|--------|-------|-------|-------|-------|-------|-------|
| LEAF WIDTH (INCHES)                                        |        |       |       |       |       |       |       |
| LEAF HEIGHT (INCHES)                                       |        | 30.00 | 36.00 | 42.00 | 48.00 | 54.00 | 60.00 |
|                                                            | 84.00  | 34.0  | 29.2  | 25.8  | 23.3  | 21.4  | 20.0  |
|                                                            | 90.00  | 27.7  | 23.5  | 20.7  | 18.6  | 17.1  | 15.9  |
|                                                            | 96.00  | 22.7  | 19.2  | 16.8  | 15.1  |       |       |
|                                                            | 102.00 | 18.8  | 15.9  |       |       |       |       |
|                                                            | 108.00 | 15.8  |       |       |       |       |       |
|                                                            |        |       |       |       |       |       |       |

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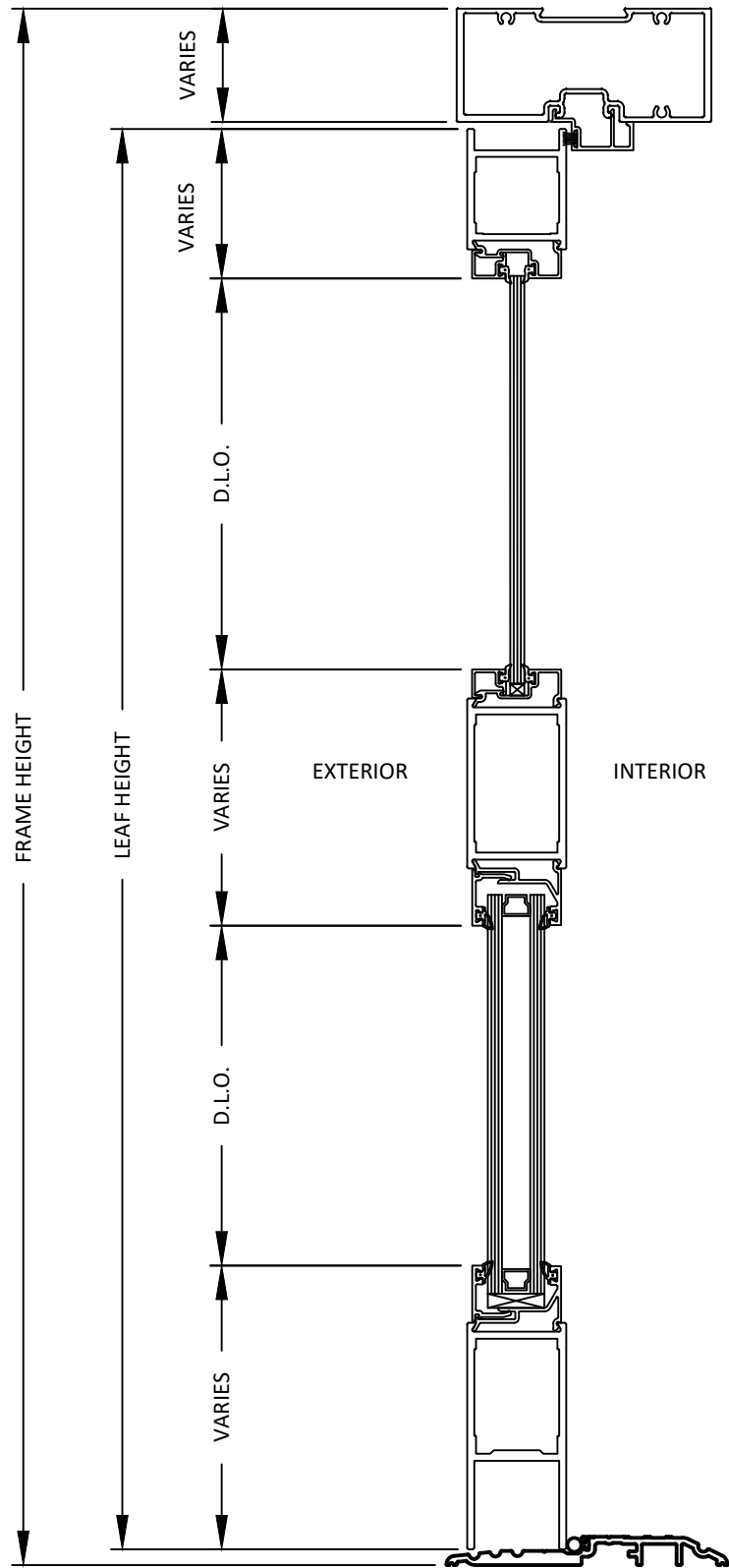
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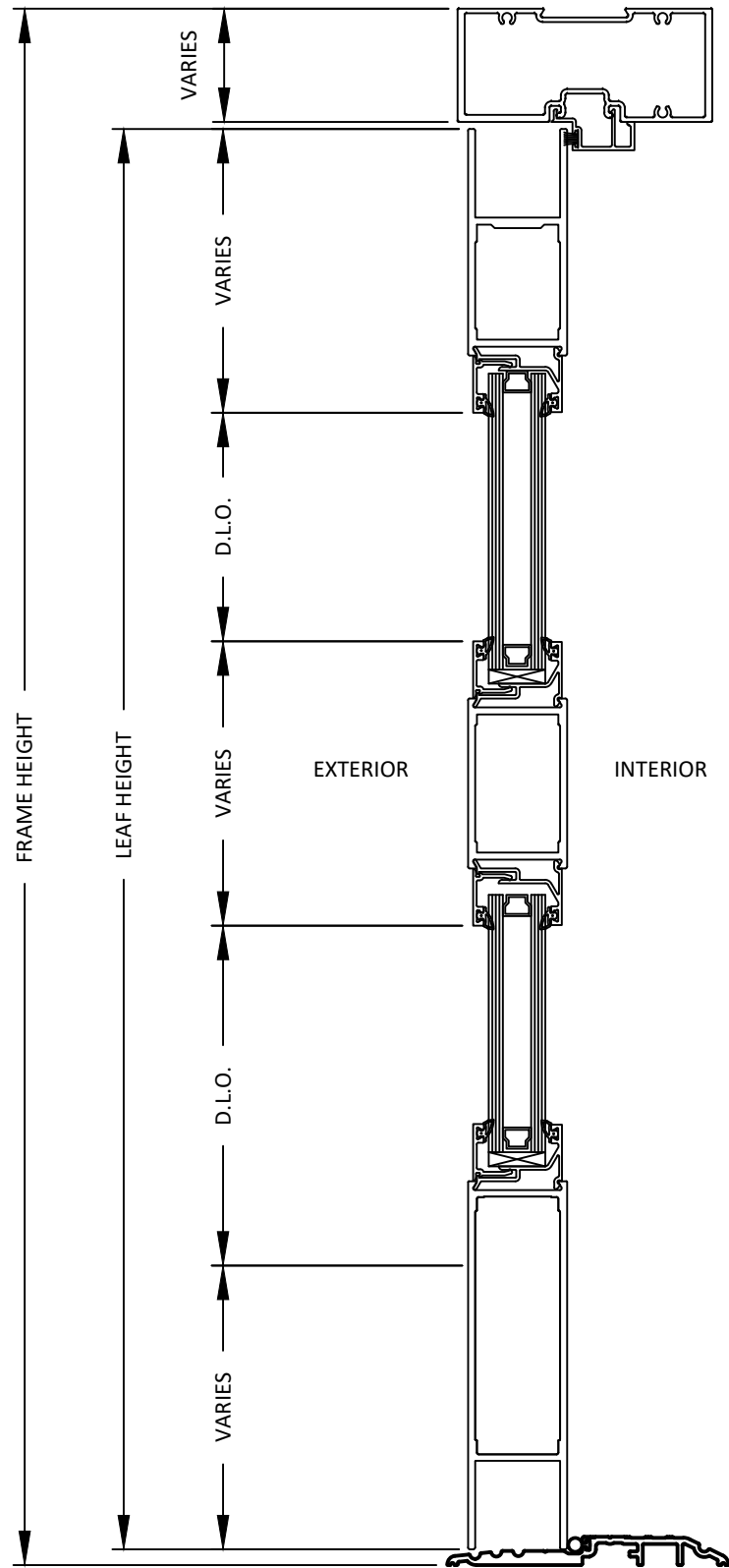
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OF 10

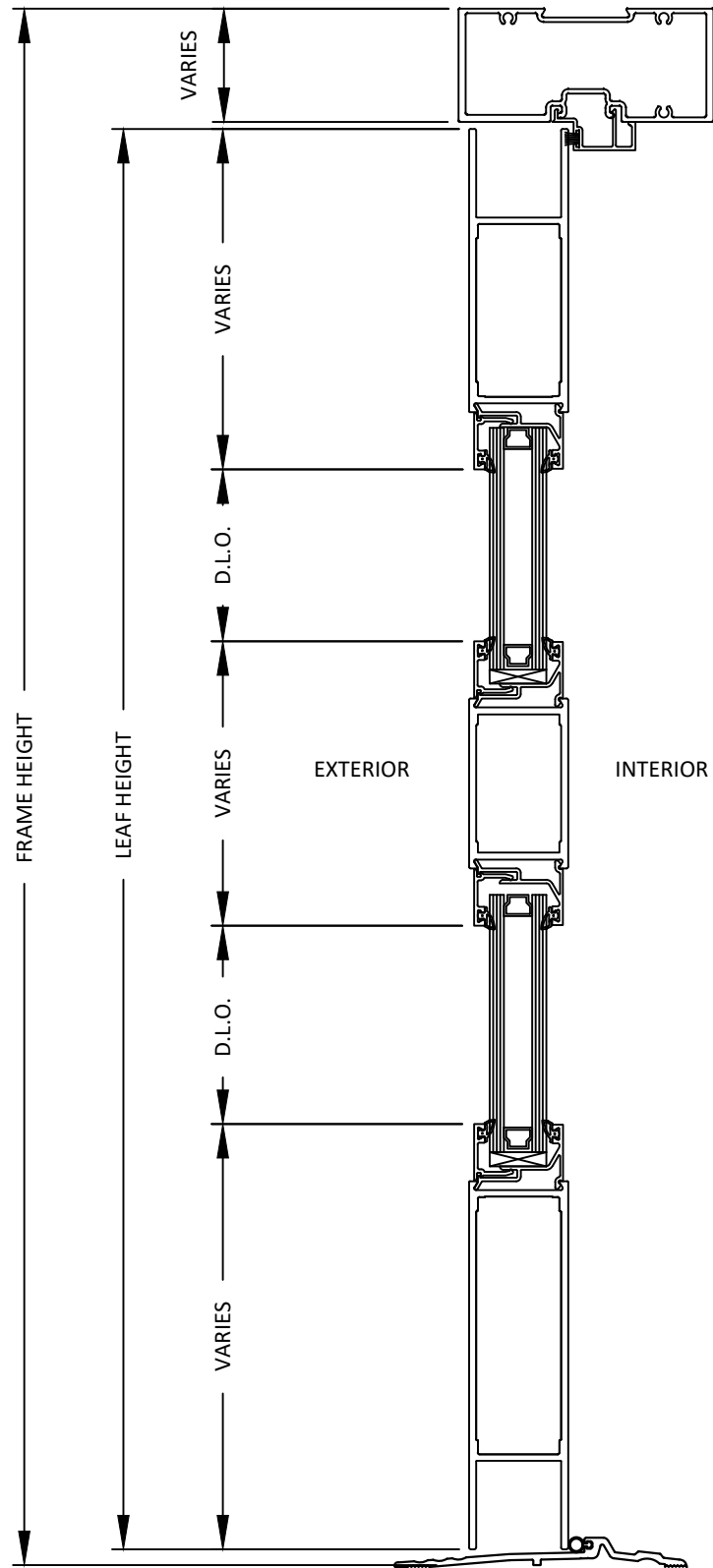
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A  
4 HORIZONTAL DETAILS  
NARROW STILE



B  
4 HORIZONTAL DETAILS  
MEDIUM STILE



C  
4 HORIZONTAL DETAILS  
WIDE STILE

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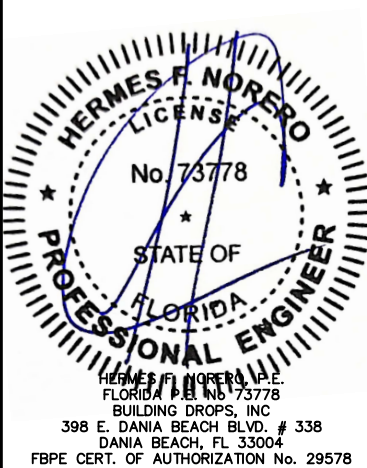
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DOORS (NON-HVHZ)  
(NON-IMPACT)  
HORIZONTAL DETAILS

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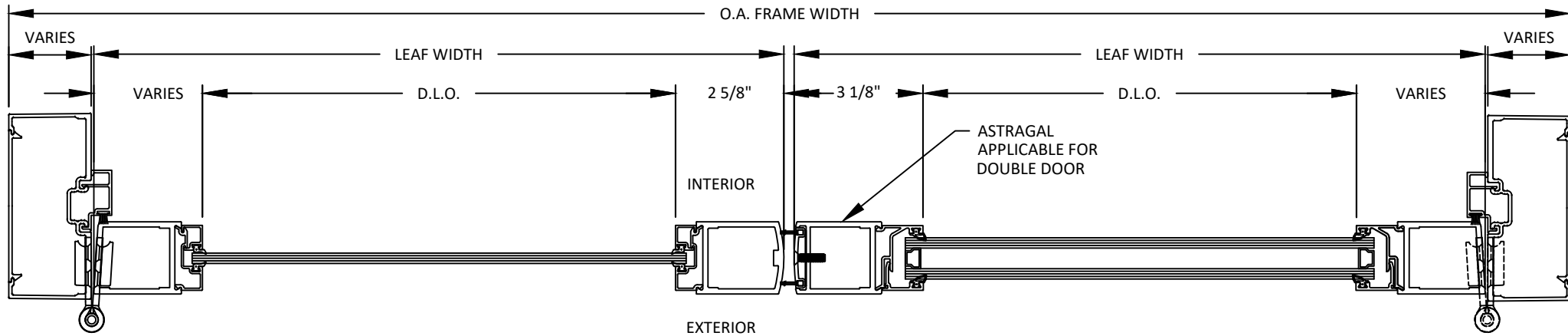
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SCALE: **NTS**

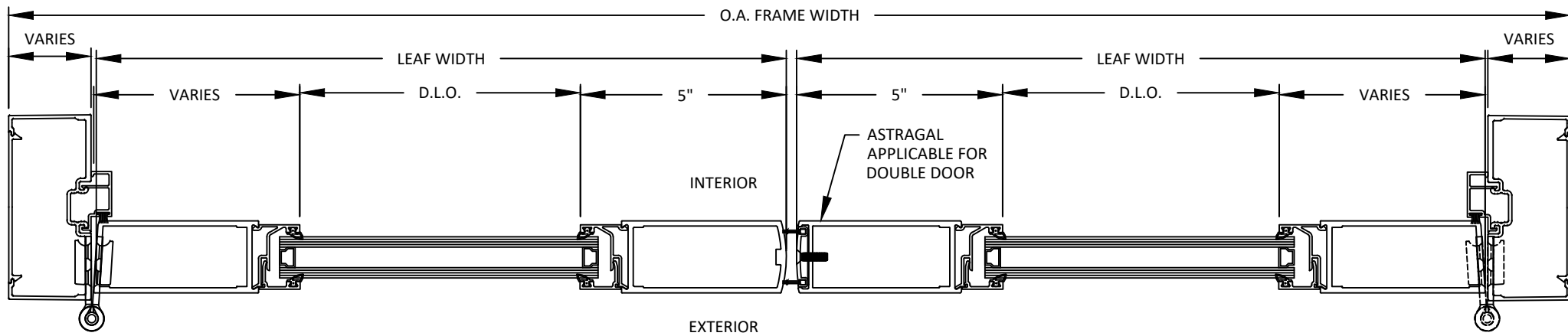
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SECTION  
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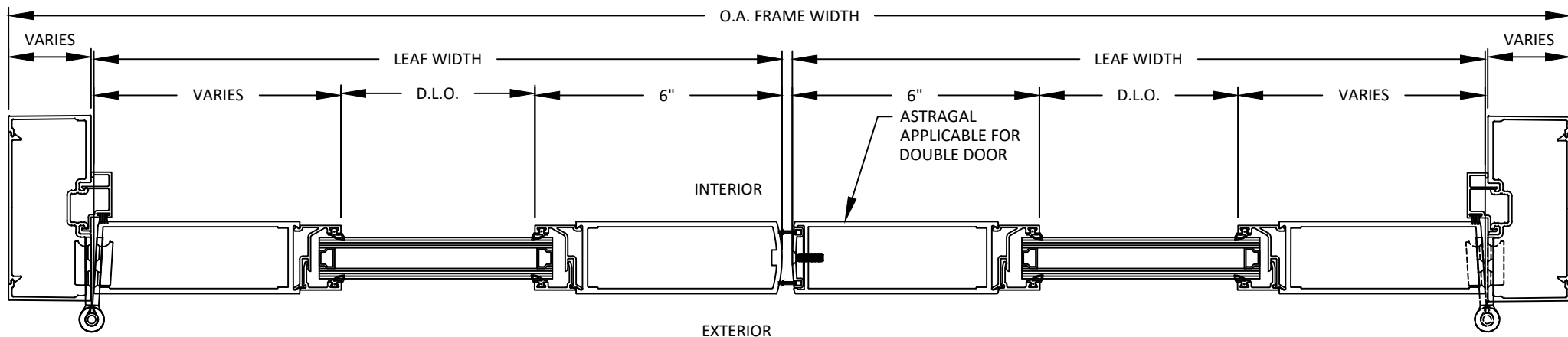
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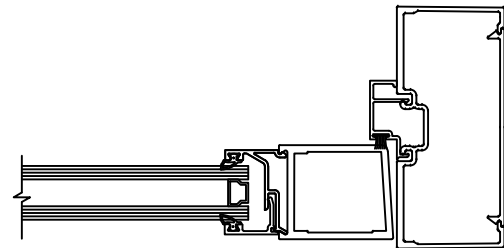
A  
5 VERTICAL DETAILS  
NARROW STILE



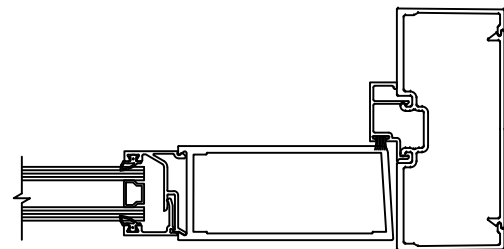
B  
5 VERTICAL DETAILS  
MEDIUM STILE



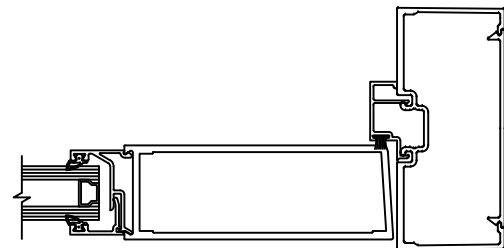
C  
5 VERTICAL DETAILS  
WIDE STILE



SINGLE DOOR RIGHT  
SIDE DETAIL



SINGLE DOOR RIGHT  
SIDE DETAIL



SINGLE DOOR RIGHT  
SIDE DETAIL

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DOORS (NON-HVHZ)  
(NON-IMPACT)  
VERTICAL DETAILS

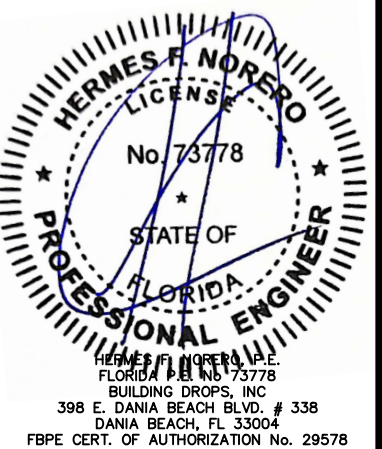
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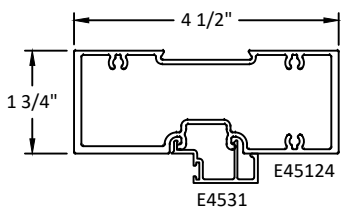
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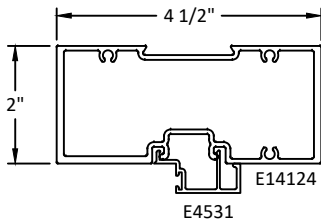
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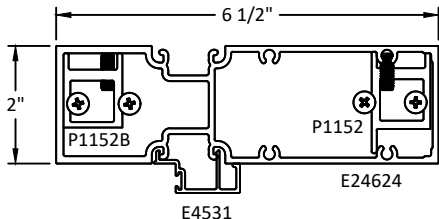
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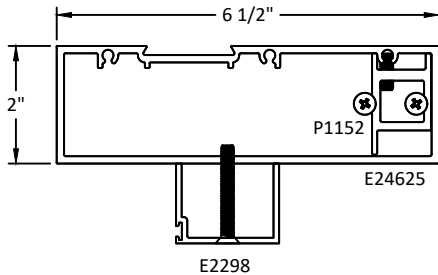
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6 HEAD OPTION 1



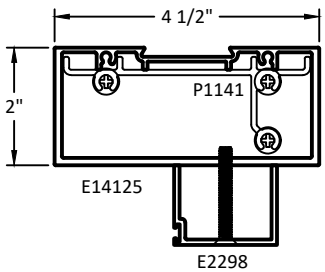
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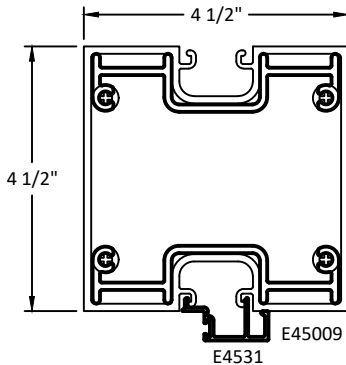
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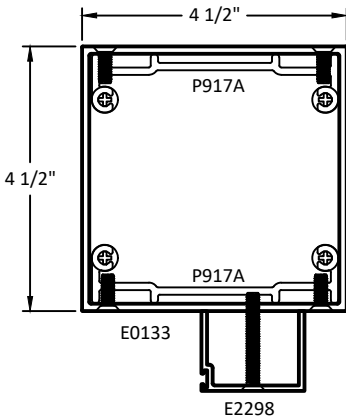
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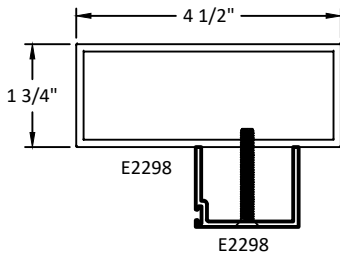
E  
6 HEAD OPTION 5



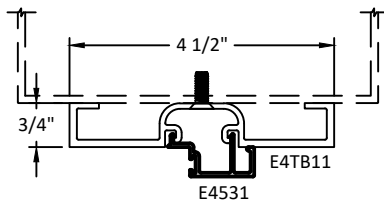
F  
6 HEAD OPTION 6



G  
6 HEAD OPTION 7

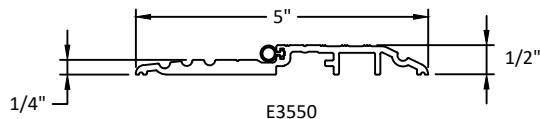


H  
6 HEAD OPTION 8  
OVERHEAD CONCEALED CLOSER

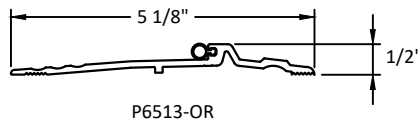


I  
6 SUBFRAME HEAD OPTION 9

SILL PROFILE OPTIONS



J  
6 SILL OPTION 1



K  
6 SILL OPTION 2

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WALKER, MICHIGAN 49544

PH: 800 866 2227 FX: 616 301 0008

TITLE: ALUMINUM ENTRANCE  
DOORS (NON-HVHZ)  
(NON-IMPACT)  
HEAD & SILL OPTIONS

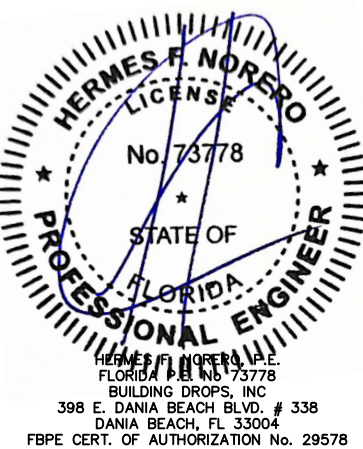
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**FL28368**

DATE: **9.25.18**

DWG. BY: **JA** CHK. BY: **HFN**

SCALE: **NTS**

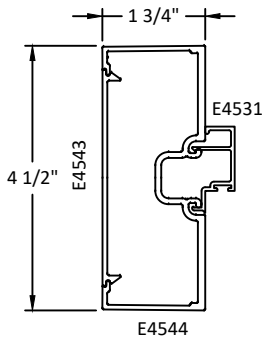
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SECTION

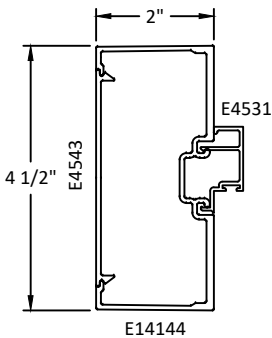
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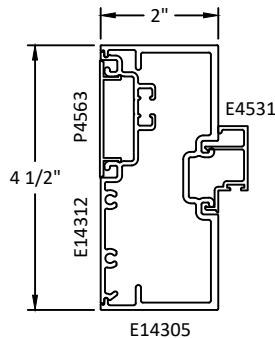
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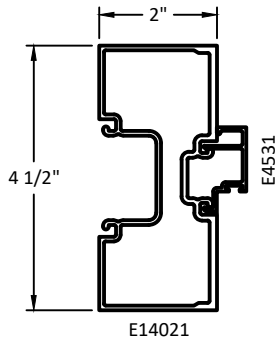
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7 JAMB OPTION 1



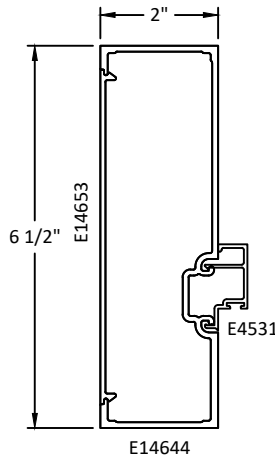
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7 JAMB OPTION 2



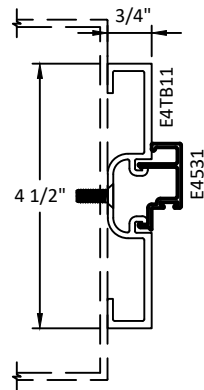
C  
7 JAMB OPTION 3



D  
7 JAMB OPTION 4

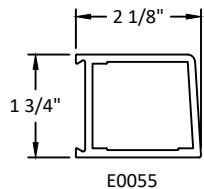


E  
7 JAMB OPTION 5

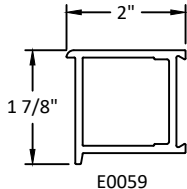


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7 SUBFRAME JAMB OPTION 6

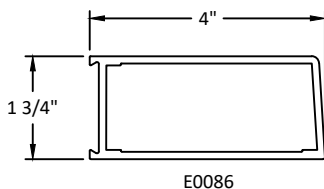
STILE PROFILE OPTIONS



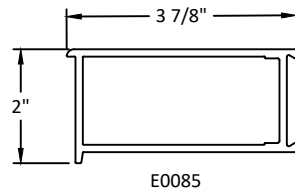
G  
7 NARROW STILE, OPTION 1



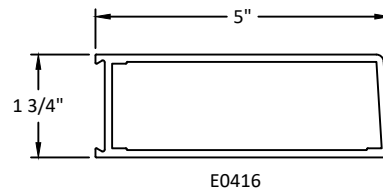
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7 NARROW STILE, OPTION 2



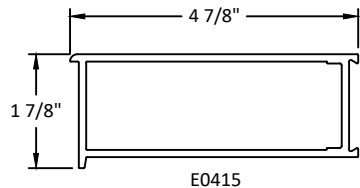
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7 MEDIUM STILE, OPTION 3



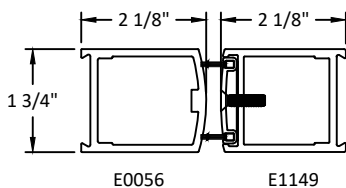
J  
7 MEDIUM STILE, OPTION 4



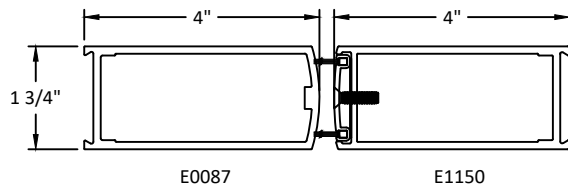
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7 WIDE STILE, OPTION 5



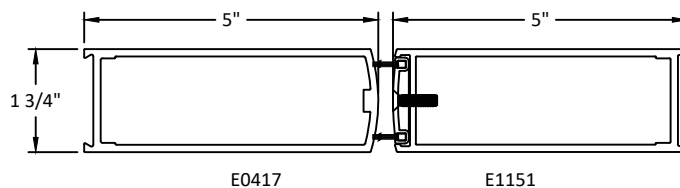
L  
7 WIDE STILE, OPTION 6



M  
7 NARROW STILE, OPTION 7



N  
7 MEDIUM STILE, OPTION 8



O  
7 WIDE STILE, OPTION 9

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DOORS (NON-HVHZ)  
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JAMB & STILE OPTIONS

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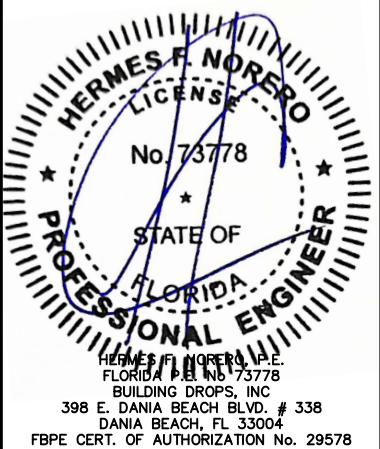
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DATE: 9.25.18

DWG. BY: JA  
CHK. BY: HFN

SCALE: NTS

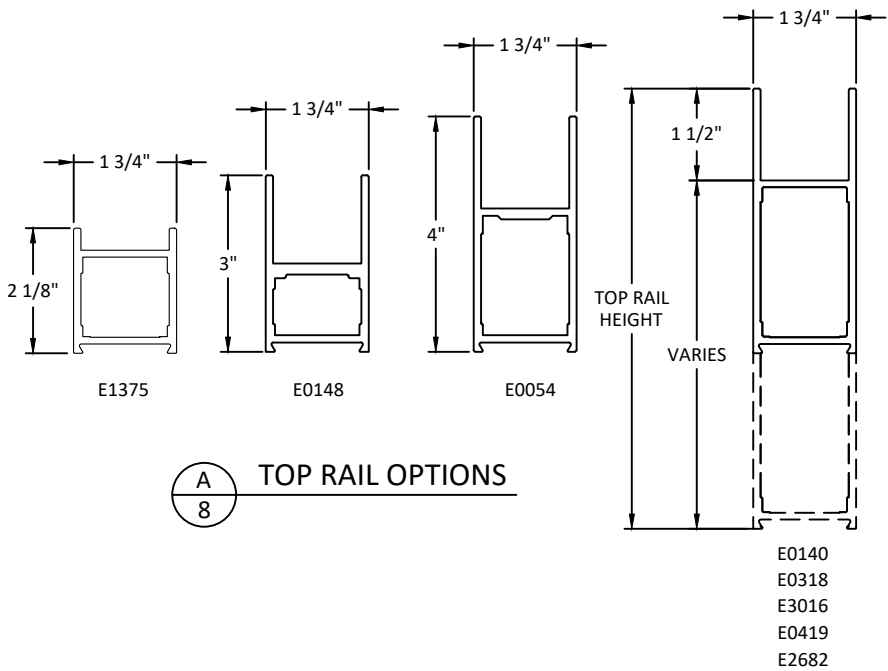
DWG. #: TLI001

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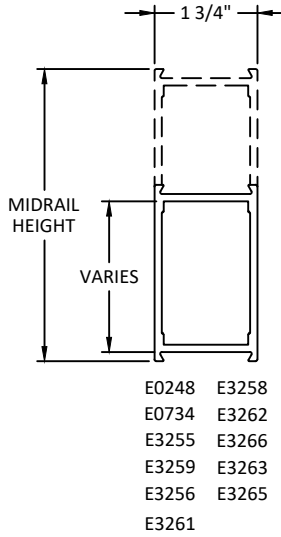
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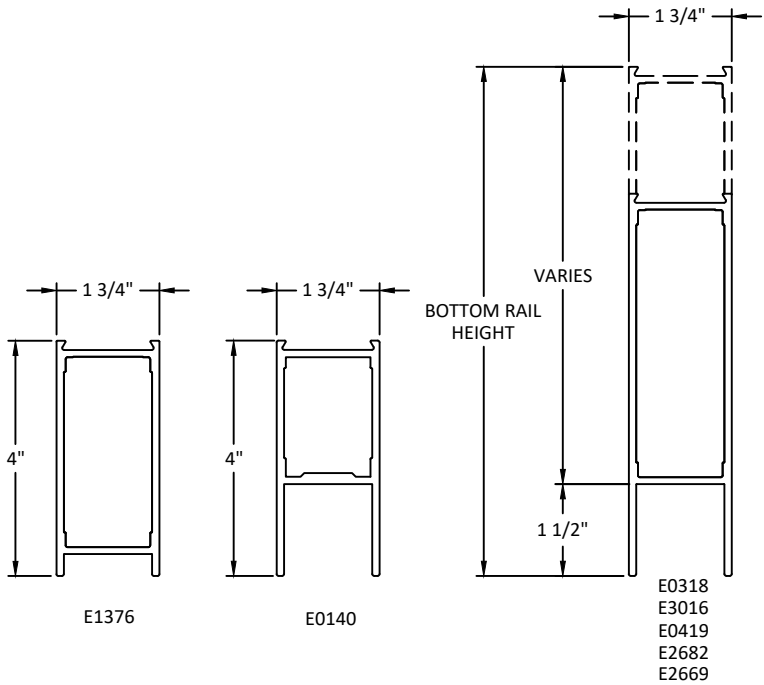
# RAIL PROFILE OPTIONS



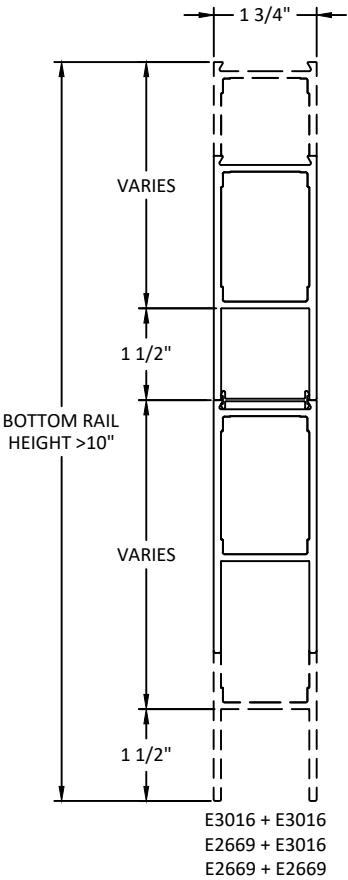
| TOP RAIL LIMITATIONS |                 |                                    |
|----------------------|-----------------|------------------------------------|
| PROFILE              | TOP RAIL HEIGHT | DESIGN PRESSURE                    |
| E1375                | 2 1/8"          | TABLE 2, TABLE 4                   |
| E0148                | 3"              | TABLE 2, TABLE 4                   |
| E0054                | 4"              | TABLE 1, TABLE 2, TABLE 3, TABLE 4 |
| E0140                | 4 1/2"          | TABLE 1, TABLE 2, TABLE 3, TABLE 4 |
| E0318                | 5"              | TABLE 1, TABLE 2, TABLE 3, TABLE 4 |
| E3016                | 6"              | TABLE 1, TABLE 2, TABLE 3, TABLE 4 |
| E0419                | 6 1/2"          | TABLE 1, TABLE 2, TABLE 3, TABLE 4 |
| E2682                | 7 1/2"          | TABLE 1, TABLE 2, TABLE 3, TABLE 4 |
| E2669                | 10"             | TABLE 1, TABLE 2, TABLE 3, TABLE 4 |



| MIDRAIL LIMITATIONS |                |                 |                           |
|---------------------|----------------|-----------------|---------------------------|
| PROFILE             | MIDRAIL HEIGHT | MAX. DOOR WIDTH | MAX. HEIGHT ABOVE MIDRAIL |
| E0248               | 1"             | 30"             | 10"                       |
| E0734               | 1.75"          | 48"             | 90"                       |
| E3255               | 2"             | 54"             | 100"                      |
| E3259               | 3"             | 54"             | 120"                      |
| E3256               | 4"             | 60"             | 120"                      |
| E3261               | 4.5"           | 60"             | 120"                      |
| E3258               | 5"             | 60"             | 120"                      |
| E3262               | 6"             | 60"             | 120"                      |
| E3266               | 6.5"           | 60"             | 120"                      |
| E3263               | 7.5"           | 60"             | 120"                      |
| E3265               | 10"            | 60"             | 120"                      |



| BOTTOM RAIL LIMITATIONS |                    |                                    |
|-------------------------|--------------------|------------------------------------|
| PROFILE                 | BOTTOM RAIL HEIGHT | DESIGN PRESSURE                    |
| E1376                   | 4"                 | TABLE 2, TABLE 4                   |
| E0140                   | 4 1/2"             | TABLE 2, TABLE 4                   |
| E0318                   | 5"                 | TABLE 2, TABLE 4                   |
| E3016                   | 6"                 | TABLE 2, TABLE 4                   |
| E0419                   | 6 1/2"             | TABLE 1, TABLE 2, TABLE 4          |
| E2682                   | 7 1/2"             | TABLE 1, TABLE 2, TABLE 4          |
| E2669                   | 10"                | TABLE 1, TABLE 2, TABLE 4          |
| E3016 + E3016           | 12"                | TABLE 1, TABLE 2, TABLE 3, TABLE 4 |
| E2669 + E3016           | 16"                | TABLE 1, TABLE 2, TABLE 3, TABLE 4 |
| E2669 + E2669           | 20"                | TABLE 1, TABLE 2, TABLE 3, TABLE 4 |



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TITLE: ALUMINUM ENTRANCE  
DOORS (NON-HVHZ)  
(NON-IMPACT)

RAIL OPTIONS

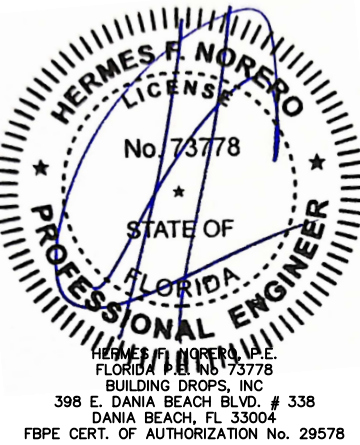
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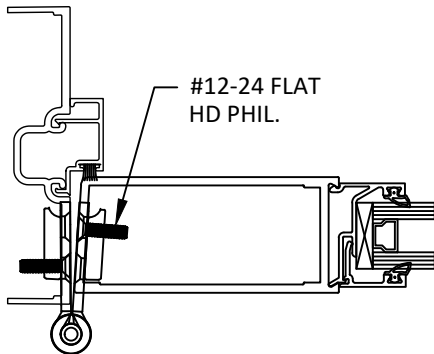


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| DATE:    | 9.25.18 |
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| CHK. BY: | HFN     |
| SCALE:   | NTS     |
| DWG. #:  | TLI001  |
| SECTION  |         |

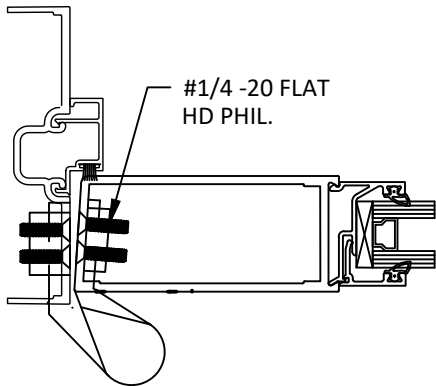


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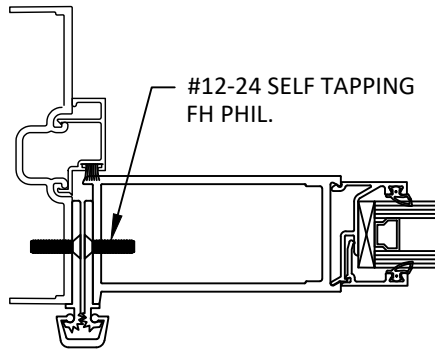
HINGE OPTIONS



A BUTT HINGE  
9 HAGER BB-1199

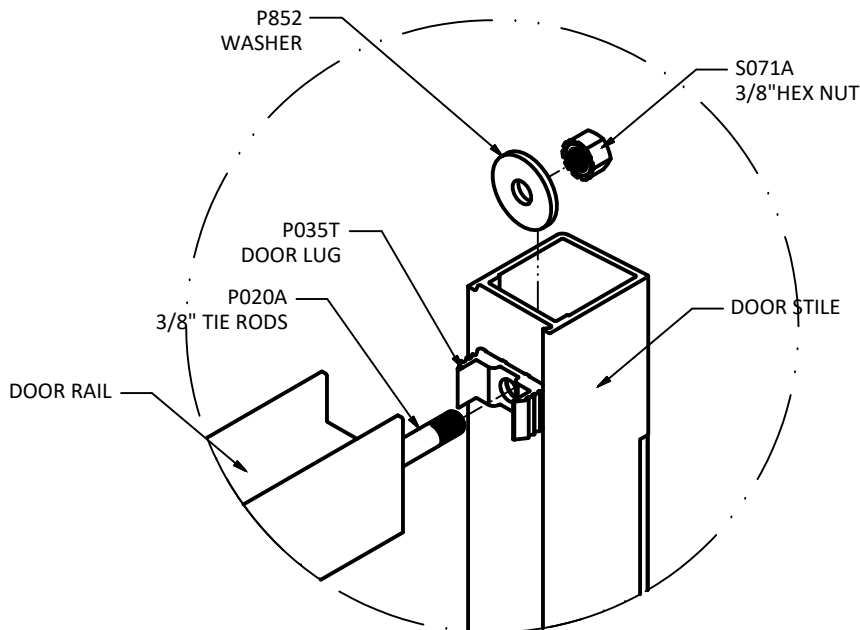


B OFFSET PIVOT HINGE  
9 RIXON 180



C CONTINUOUS HINGE  
9 27 HD HINGE

RAIL - STILE CONNECTION DETAIL



| QUALIFIED HARDWARE OPTIONS |                        |                            |
|----------------------------|------------------------|----------------------------|
| PRODUCT NAME               | PRODUCT TYPE           | MAX. DESIGN PRESSURE (PSF) |
| SARGENT AD/MD8400          | CONCEALED VERTICAL ROD | +/- 56.6                   |
| VON DUPRIN 98/9947         | CONCEALED VERTICAL ROD | +/- 56.6                   |
| VON DUPRIN 98/9949         | CABLE EXIT DEVICE      | +/- 56.6                   |
| SARGENT MD8600             | CONCEALED VERTICAL ROD | +/- 56.6                   |
| FALCON 1690                | CONCEALED VERTICAL ROD | +/- 56.6                   |
| JACKSON 2086               | CONCEALED VERTICAL ROD | +/- 56.6                   |
| ADAMS RITE G86             | CONCEALED VERTICAL ROD | +/- 56.6                   |
| FALCON HSEC 1690           | CONCEALED VERTICAL ROD | +/- 56.6                   |
| HAGUER BB-1199             | BUTT HINGE             | +/- 56.6                   |
| RIXON 180                  | OFFSET PIVOT HINGE     | +/- 56.6                   |
| RIXON 147                  | OFFSET PIVOT HINGE     | +/- 56.6                   |
| RIXON M19L                 | OFFSET PIVOT HINGE     | +/- 56.6                   |
| 27 HD                      | CONTINUOUS HINGE       | +/- 56.6                   |
| FIRST CHOICE 3600          | CONCEALED VERTICAL ROD | +/- 56.6                   |

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DOORS (NON-HVHZ)  
(NON-IMPACT)  
HARDWARE OPTIONS & RAIL-STILE  
CONNECTION DETAIL

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BUILDING DROPS, INC.  
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DANIA BEACH, FL 33004  
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:  
**FL28368**

DATE: **9.25.18**

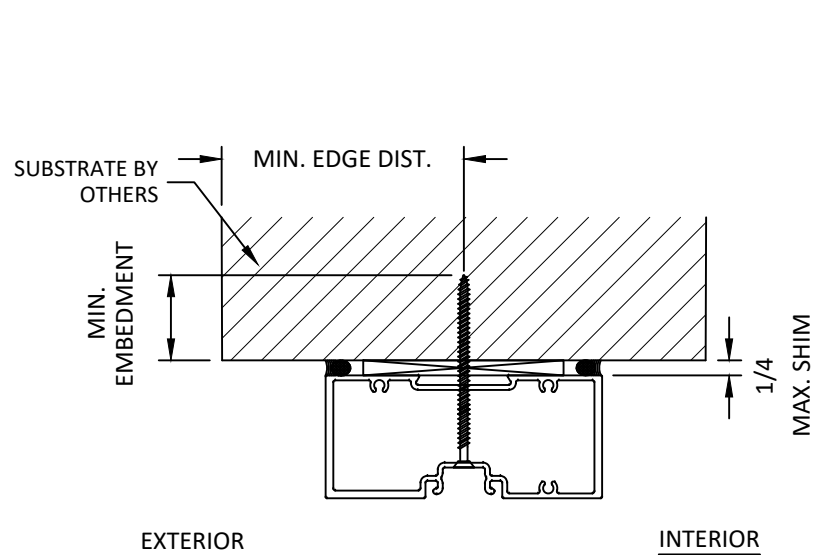
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SCALE: **NTS**

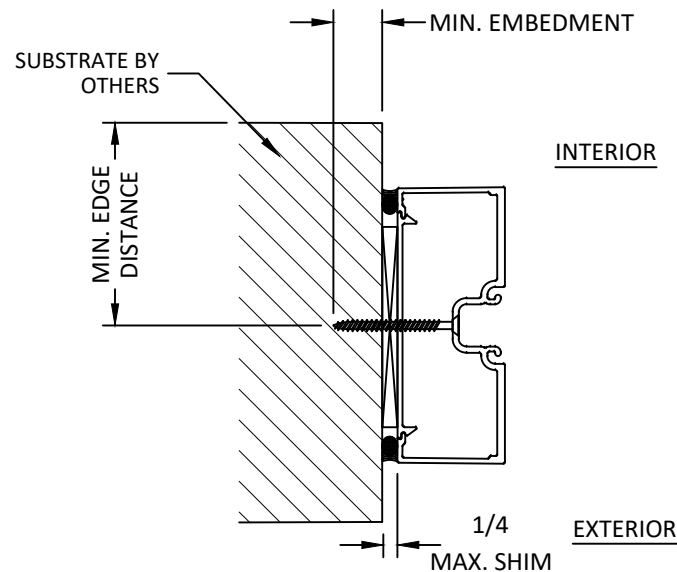
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SECTION  
**9**

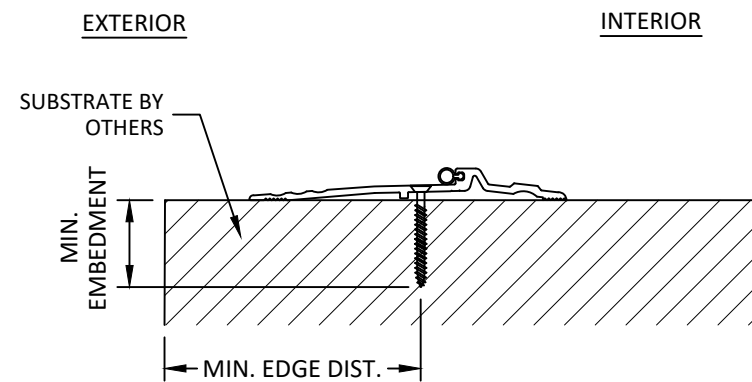
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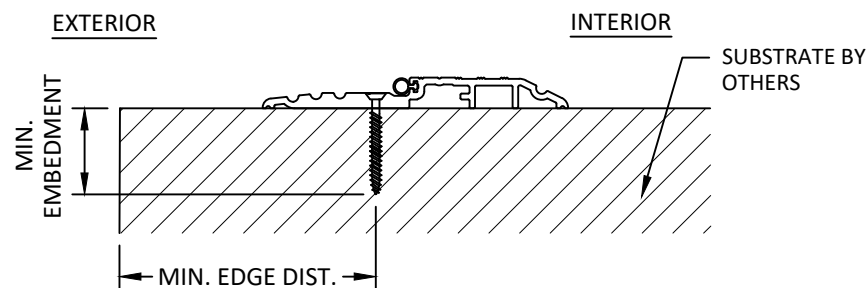
**A**  
10 ANCHOR DETAIL  
DOOR HEAD OR JAMB



**B**  
10 ANCHOR DETAIL  
DOOR HEAD OR JAMB



**C**  
10 ANCHOR DETAIL  
DOOR THRESHOLD



**D**  
10 ANCHOR DETAIL  
DOOR THRESHOLD

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
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  $\pm 1/2$  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. FOR MASONRY OR CONCRETE OPENINGS A 1X WOOD BUCK MAY BE USED (OPTIONAL) AS LONG AS THE MINIMUM EMBEDMENT AND EDGE DISTANCE REQUIREMENTS ARE STILL MET WITHIN THE CORRESPONDING HOST SUBSTRATE. SEE GENERAL NOTE #3 ON SHEET 1 FOR MORE INFORMATION.
5. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
6. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
7. 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.
8. 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.
9. 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 - MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.
  - D. STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM WALL THICKNESS OF 0.05" (18 GAUGE).
  - E. ALUMINUM - MINIMUM 6063-T5 ALLOY. MINIMUM WALL THICKNESS OF 0.09".

| ANCHOR SCHEDULE                                                     |                            |                                        |                    |
|---------------------------------------------------------------------|----------------------------|----------------------------------------|--------------------|
| SUBSTRATE                                                           | ANCHOR SCHEDULE            | MIN EMBEDMENT                          | MIN. EDGE DISTANCE |
| WOOD: MIN. SG = 0.55                                                | #12 WOOD SCREW             | 1.5"                                   | 1"                 |
| METAL: 18 GAUGE STEEL, MIN. Fy=33KSI OR 0.09" ALUMINUM 6063-T5 MIN. | #12 TEK SCREW GRADE 5      | 3 THREADS MIN PENETRATION BEYOND METAL | 0.5"               |
| CONCRETE: f <sub>c</sub> = 3000PSI                                  | 1/4" ITW TAPCON            | 1.75"                                  | 1.5"               |
|                                                                     | 1/4" DEWALT/ELCO ULTRA CON | 1.75"                                  | 1.5"               |
|                                                                     | 1/4" HILTI KWIK-CON II     | 1"                                     | 1.5"               |
| MASONRY: CMU per ASTM C90 f <sub>c</sub> = 2000PSI                  | 1/4" ITW TAPCON            | 1"                                     | 2"                 |
|                                                                     | 1/4" DEWALT/ELCO ULTRA CON | 1.25"                                  | 2.5"               |
|                                                                     | 1/4" HILTI KWIK-CON II     | 1"                                     | 1.25"              |

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WALKER, MICHIGAN 49544  
PH: 800 866 2227 FX: 616 301 0008

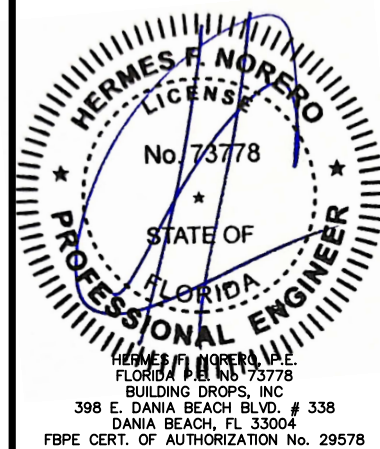
TITLE: ALUMINUM ENTRANCE  
DOORS (NON-HVHZ)  
(NON-IMPACT)  
ANCHOR DETAILS, SCHEDULE &  
INSTALLATION NOTES

PREPARED BY:  
**BUILDING DROPS, INC.**  
398 E. DANIA BEACH BLVD., STE. 338  
DANIA BEACH, FL 33004  
PH: (954)399-8478  
FAX: (954)744-4738  
WEB: www.buildingdrops.com



| REMARKS     | BY | DATE     |
|-------------|----|----------|
| FBC UPDATES | SH | 12.15.21 |
|             |    |          |
|             |    |          |
|             |    |          |

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 #:    | <b>FL28368</b> |
| DATE:    | <b>9.25.18</b> |
| DWG. BY: | <b>JA</b>      |
| CHK. BY: | <b>HFN</b>     |
| SCALE:   | <b>NTS</b>     |
| DWG. #:  | <b>TLI001</b>  |
| SECTION  | <b>10</b>      |
| OF 10    |                |