

# NEW ERRA DOORS CORP DBA CUSTOM DOOR & MILLWORK

## FLUSH DOORS (HVHZ) (IMPACT)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE (FBC) **INCLUDING** HVHZ. ALL PRODUCTS UNDER THE SCOPE OF THIS DOCUMENT HAVE BEEN EVALUATED ACCORDING TO THE FOLLOWING:
  - AAMA/WDMA/CSA 101/I.S.2/A440-17
  - ASTM E1886-19
  - ASTM E1996-20
  - TAS 201-94
  - TAS 202-94
  - TAS 203-94
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. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/4 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.
5. 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.
6. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
7. FRAME MATERIAL: MAHOGANY (S.G. = 0.42) OR EQUIVALENT.
8. GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 11 FOR GLAZING DETAIL.

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|                       |                 |                              |
|-----------------------|-----------------|------------------------------|
| FRAME SIZE            | DESIGN PRESSURE | IMPACT MISSILE RATING        |
| SEE SHEETS 2, 4, & 10 |                 | LARGE & SMALL MISSILE IMPACT |

| DOOR CONFIGURATION | WATER RESISTANCE PRESSURE | MAXIMUM DESIGN PRESSURE |                    |
|--------------------|---------------------------|-------------------------|--------------------|
|                    |                           | WATER REQUIRED          | WATER NOT REQUIRED |
| INSWING            | 9 PSF                     | +/- 60 PSF              | +/- 60 PSF         |
| OUTSWING           | 11.25 PSF                 | +/- 60 PSF              | +/- 60 PSF         |



2787 N AIRPORT ROAD #410  
FORT MYERS, FL 33907  
PH: (239) 340-1229

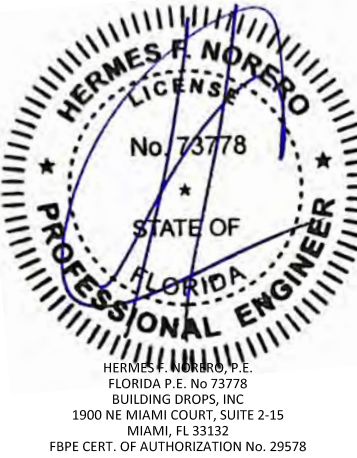
TITLE: OPAQUE DOORS (HVHZ) (IMPACT)  
GENERAL NOTES & TABLE OF CONTENTS

PREPARED BY:  
BUILDING DROPS, INC.  
1900 NE MIAMI COURT, SUITE 2-15  
MIAMI, FL 33132  
PH: (954) 399-8478  
FAX: (954) 744-4738  
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DATE: **12.19.2024**

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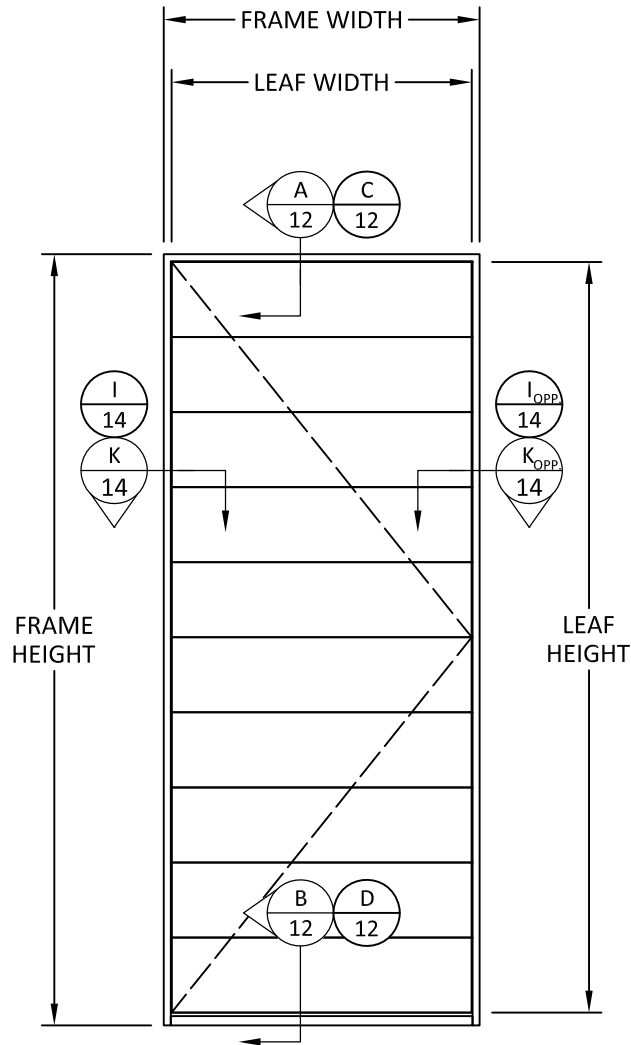
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DWG. #: **NED001**

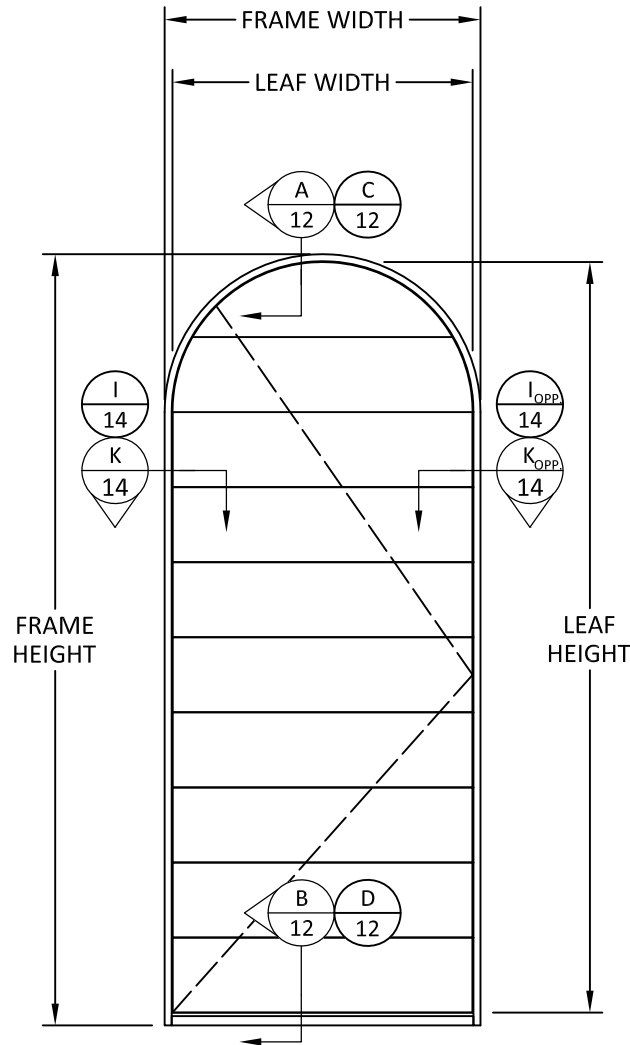
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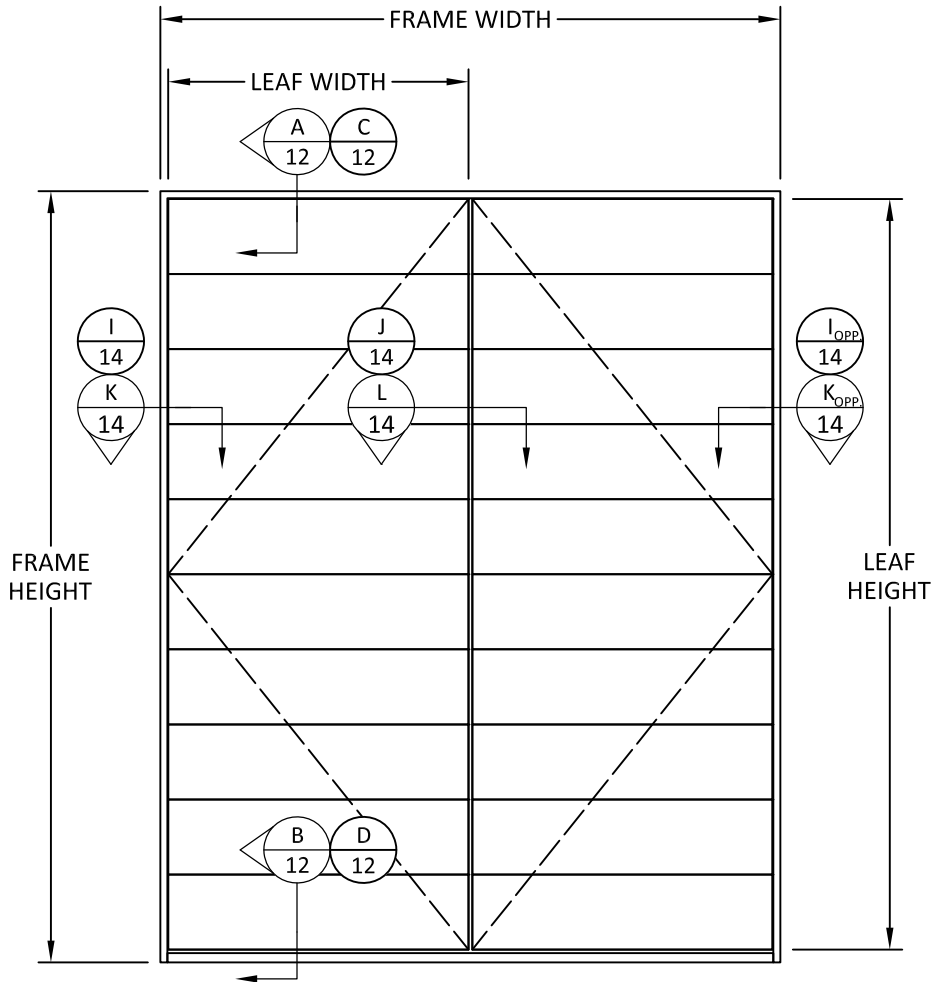
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TYPICAL ELEVATION  
SINGLE DOOR



TYPICAL ELEVATION  
SINGLE DOOR - ARCH TOP



TYPICAL ELEVATION  
DOUBLE DOOR

| DESIGN PRESSURE TABLE (PSF) - SINGLE & DOUBLE DOOR |                  |       |       |       |       |       |       |       |
|----------------------------------------------------|------------------|-------|-------|-------|-------|-------|-------|-------|
| IS* FRAME HEIGHT (IN.)                             | LEAF WIDTH (IN.) |       |       |       |       |       |       |       |
|                                                    | 24               | 30    | 36    | 42    | 48    | 54    | 60    | 66    |
| 80                                                 | 60.00            | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| 84                                                 | 60.00            | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| 90                                                 | 60.00            | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| 96                                                 | 60.00            | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| 102                                                | 60.00            | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| 108                                                | 60.00            | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | -     |
| 114                                                | 60.00            | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | -     | -     |
| 120                                                | 60.00            | 60.00 | 60.00 | 60.00 | 60.00 | -     | -     | -     |
| 123.313                                            | 60.00            | 60.00 | 60.00 | 60.00 | 60.00 | -     | -     | -     |

\* INSWING DOOR FRAME HEIGHT SHOWN, OUTSWING DOOR SEE NOTES AT RIGHT.

FRAME HEIGHT (IS) = LEAF HEIGHT + 3.3125"  
FRAME HEIGHT (OS) = LEAF HEIGHT + 2.5625"  
FRAME WIDTH (SINGLE) = LEAF WIDTH + 2.5"  
FRAME WIDTH (DOUBLE) = 2 \* LEAF WIDTH + 3.125"



2787 N AIRPORT ROAD #410  
FORT MYERS, FL 33907  
PH: (239) 340-1229

TITLE:  
OPAQUE DOORS (HVHZ) (IMPACT)  
TYPICAL ELEVATIONS & DP TABLE  
(SINGLE & DOUBLE DOOR)

PREPARED BY:  
BUILDING DROPS, INC.  
1900 NE MIAMI COURT, SUITE 2-15  
MIAMI, FL 33132  
PH: (954) 399-8478  
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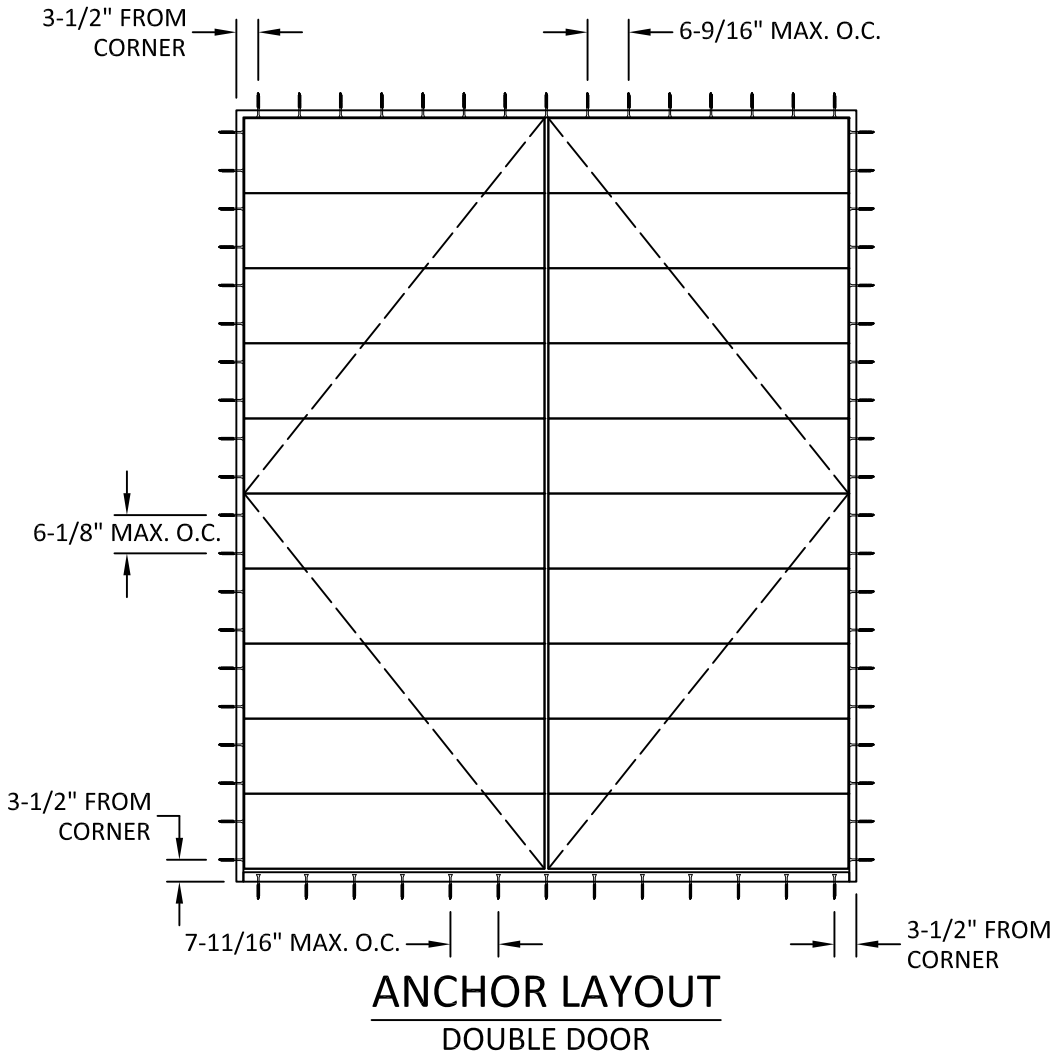
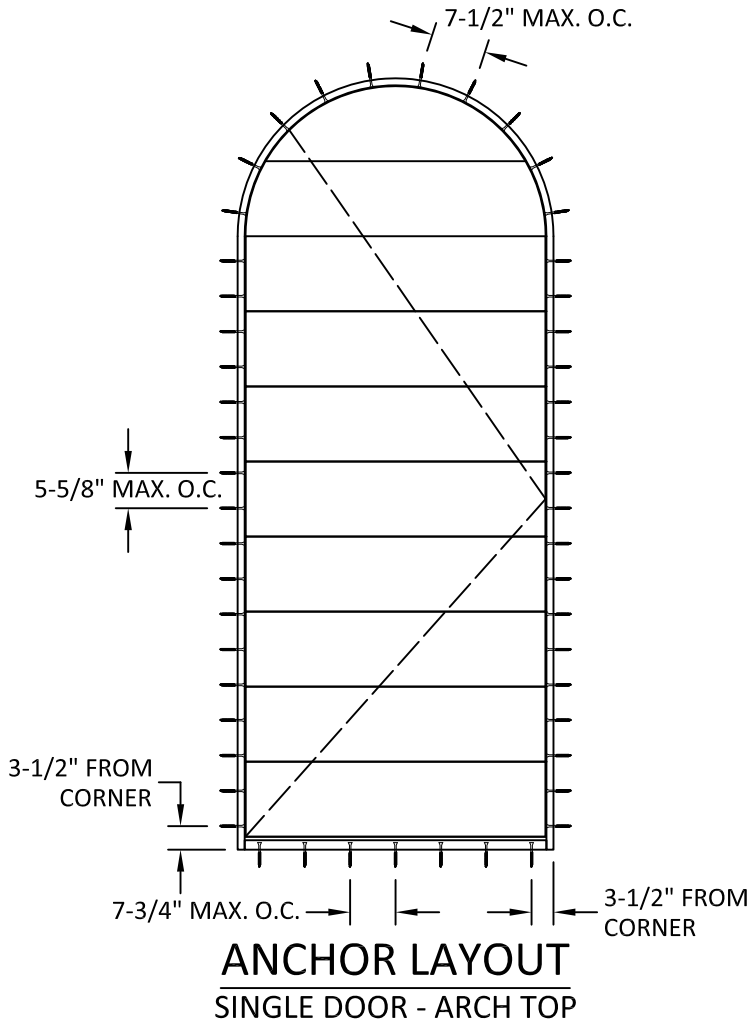
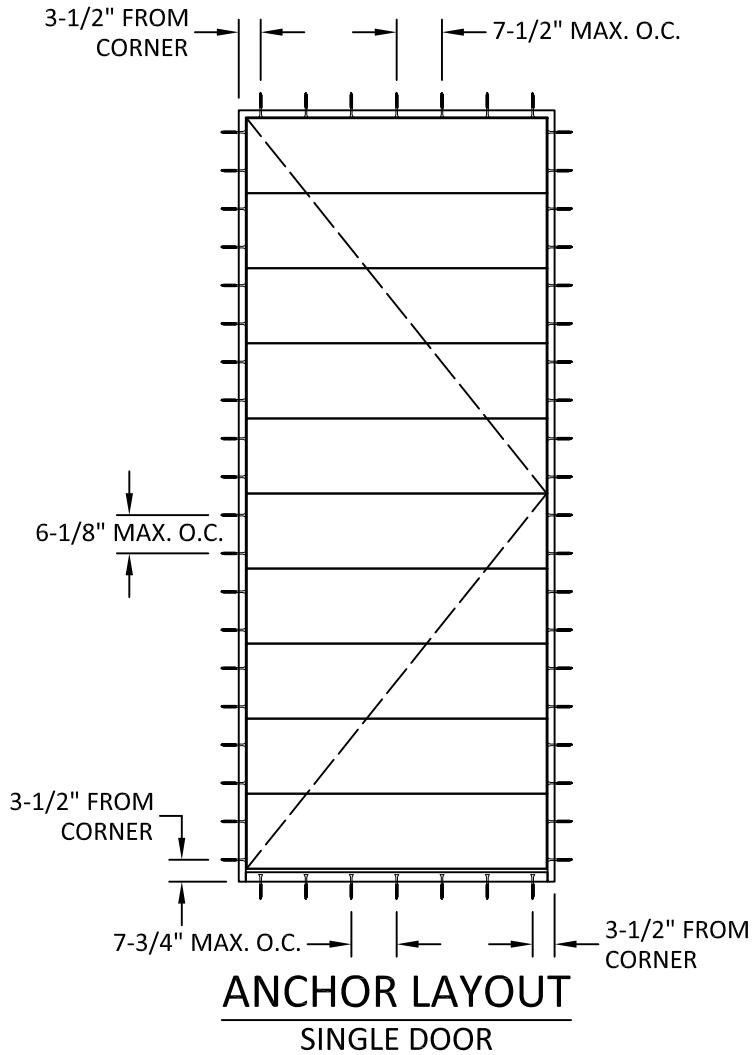
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HERMES F. NORERO, P.E.  
FLORIDA P.E. No. 73778  
BUILDING DROPS, INC.  
1900 NE MIAMI COURT, SUITE 2-15  
MIAMI, FL 33132  
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:  
**FL47210**  
DATE: **12.19.2024**  
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SCALE: **NTS**  
DWG. #: **NED001**  
SHEET:



2787 N AIRPORT ROAD #410  
FORT MYERS, FL 33907  
PH: (239) 340-1229

TITLE:  
OPAQUE DOORS (HVHZ) (IMPACT)  
ANCHOR LAYOUTS  
(SINGLE & DOUBLE DOOR)

PREPARED BY:  
  
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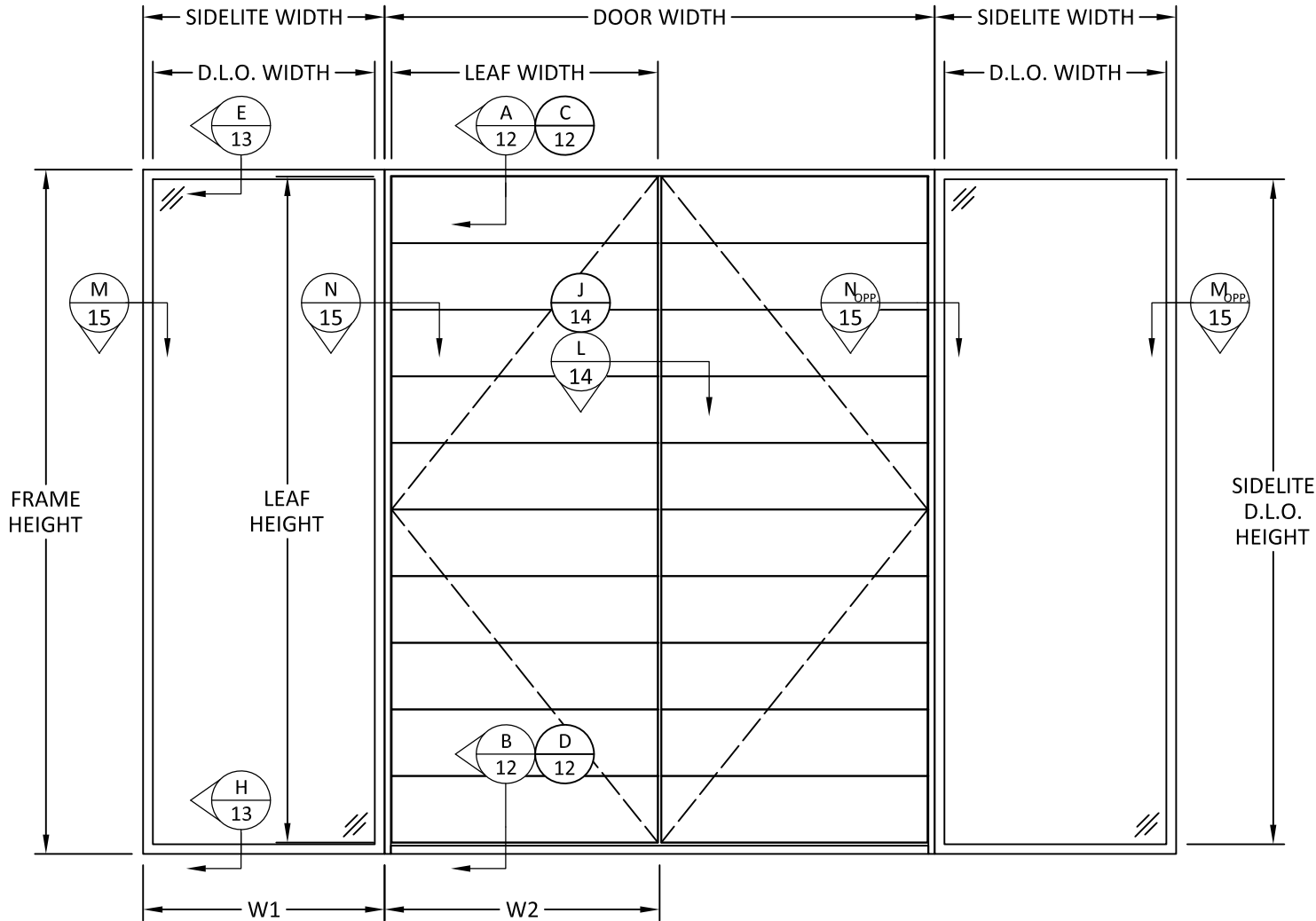
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TYPICAL ELEVATION  
DOUBLE DOOR W/ SIDELITE  
SINGLE DOOR SIMILAR

| DESIGN PRESSURE TABLE (PSF) - SIDELITE/TRANSOM* |                              |       |       |       |       |       |       |       |       |
|-------------------------------------------------|------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| FRAME HEIGHT (IN.)                              | SIDELITE/TRANSOM WIDTH (IN.) |       |       |       |       |       |       |       |       |
|                                                 | 24                           | 30    | 36    | 43.5  | 48    | 54    | 60    | 66    | 72    |
| 43.5                                            | 60.00                        | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| 48                                              | 60.00                        | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| 54                                              | 60.00                        | 60.00 | 60.00 | 60.00 | 60.00 | 59.41 | 59.41 | 59.41 | 59.41 |
| 60                                              | 60.00                        | 60.00 | 60.00 | 60.00 | 60.00 | 59.41 | 53.10 | 53.10 | 53.10 |
| 66                                              | 60.00                        | 60.00 | 60.00 | 60.00 | 60.00 | 59.41 | 53.10 | 48.00 | 48.00 |
| 72                                              | 60.00                        | 60.00 | 60.00 | 60.00 | 60.00 | 59.41 | 53.10 | 48.00 | 43.80 |
| 78                                              | 60.00                        | 60.00 | 60.00 | 60.00 | 60.00 | 59.41 | 53.10 | 48.00 | -     |
| 84                                              | 60.00                        | 60.00 | 60.00 | 60.00 | 60.00 | 59.41 | 53.10 | -     | -     |
| 90                                              | 60.00                        | 60.00 | 60.00 | 60.00 | 60.00 | 59.41 | -     | -     | -     |
| 96                                              | 60.00                        | 60.00 | 60.00 | 60.00 | 60.00 | 59.41 | -     | -     | -     |
| 102                                             | 60.00                        | 60.00 | 60.00 | 60.00 | 60.00 | -     | -     | -     | -     |
| 108                                             | 60.00                        | 60.00 | 60.00 | 60.00 | 60.00 | -     | -     | -     | -     |
| 114                                             | 60.00                        | 60.00 | 60.00 | 60.00 | -     | -     | -     | -     | -     |
| 120                                             | 60.00                        | 60.00 | 60.00 | 60.00 | -     | -     | -     | -     | -     |
| 123.313                                         | 60.00                        | 60.00 | 60.00 | 60.00 | -     | -     | -     | -     | -     |

\* SIDELITE/TRANSOM WIDTH AND HEIGHT ARE INTERCHANGEABLE.

| DESIGN PRESSURE TABLE (PSF) - DOOR WITH SIDELITE* |                       |       |       |       |       |       |       |       |       |
|---------------------------------------------------|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| FRAME HEIGHT (IN.)                                | TRIBUTARY WIDTH (IN.) |       |       |       |       |       |       |       |       |
|                                                   | 24                    | 30    | 36    | 42    | 46.53 | 48    | 54    | 60    | 66    |
| 80                                                | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| 84                                                | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| 90                                                | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | -     |
| 96                                                | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | -     |
| 102                                               | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | -     | -     |
| 108                                               | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | -     | -     | -     |
| 114                                               | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | -     | -     | -     |
| 120                                               | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | -     | -     | -     |
| 123.313                                           | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | -     | -     | -     | -     |

\* THE DESIGN PRESSURE OF DOOR W/ SIDELITE SHALL BE THE LESSER OF THE VALUES IN THIS TABLE AND THE DOOR/SIDELITE DESIGN PRESSURE TABLES.

NOTE: FOR ALTERNATE SIDELITE, SEE SEPARATE APPROVAL FOR SHAPE, SIZE, FRAME DEPTH, AND GLAZING/INFILL TYPE.

SIDELITE D.L.O. WIDTH = SIDELITE WIDTH - 1.5"  
SIDELITE D.L.O. HEIGHT = FRAME HEIGHT - 1.5"  
TRIBUTARY WIDTH =  $\frac{W1 + W2}{2}$



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TYPICAL ELEVATION & DP TABLES  
(DOOR W/ SIDELITE)

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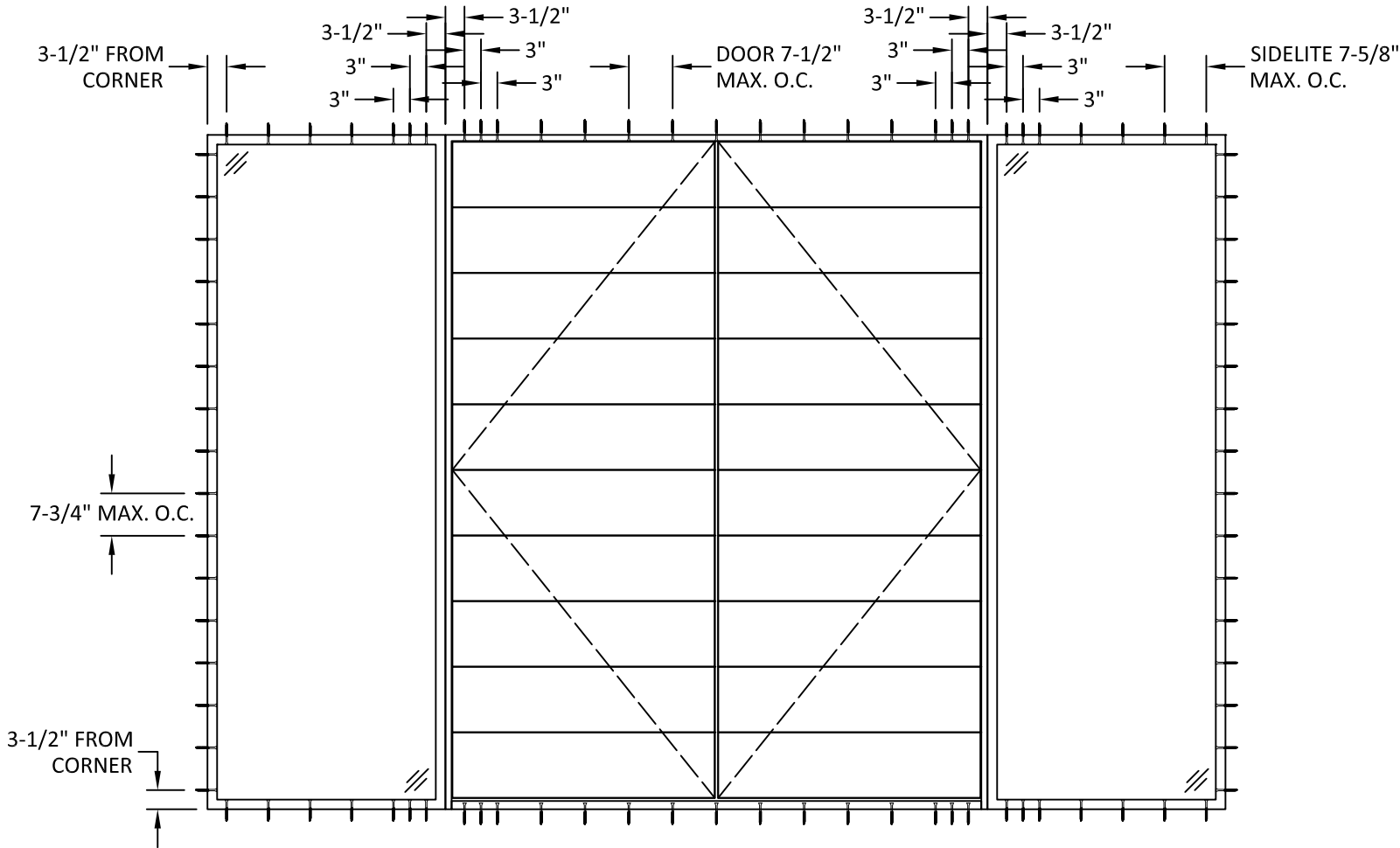
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ANCHOR LAYOUT  
DOUBLE DOOR W/ SIDELITE  
SINGLE DOOR SIMILAR



2787 N AIRPORT ROAD #410  
FORT MYERS, FL 33907  
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OPAQUE DOORS (HVHZ) (IMPACT)  
ANCHOR LAYOUT  
(DOOR W/ SIDELITE)

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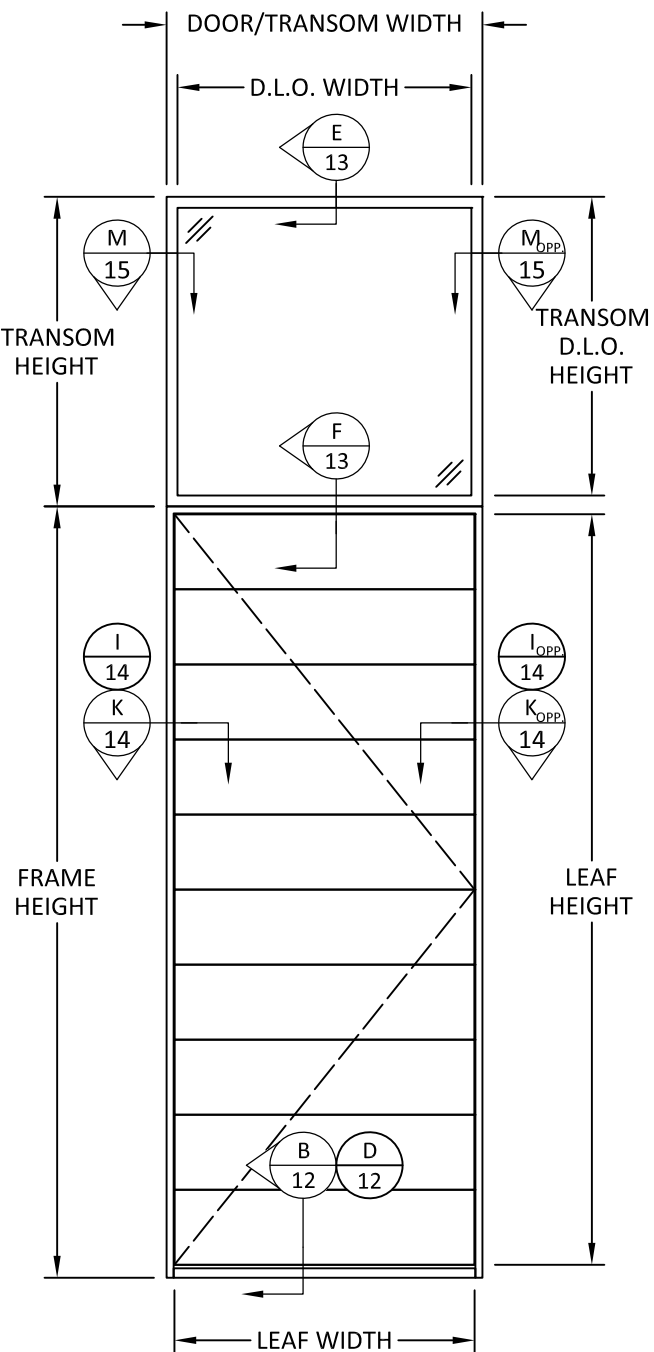
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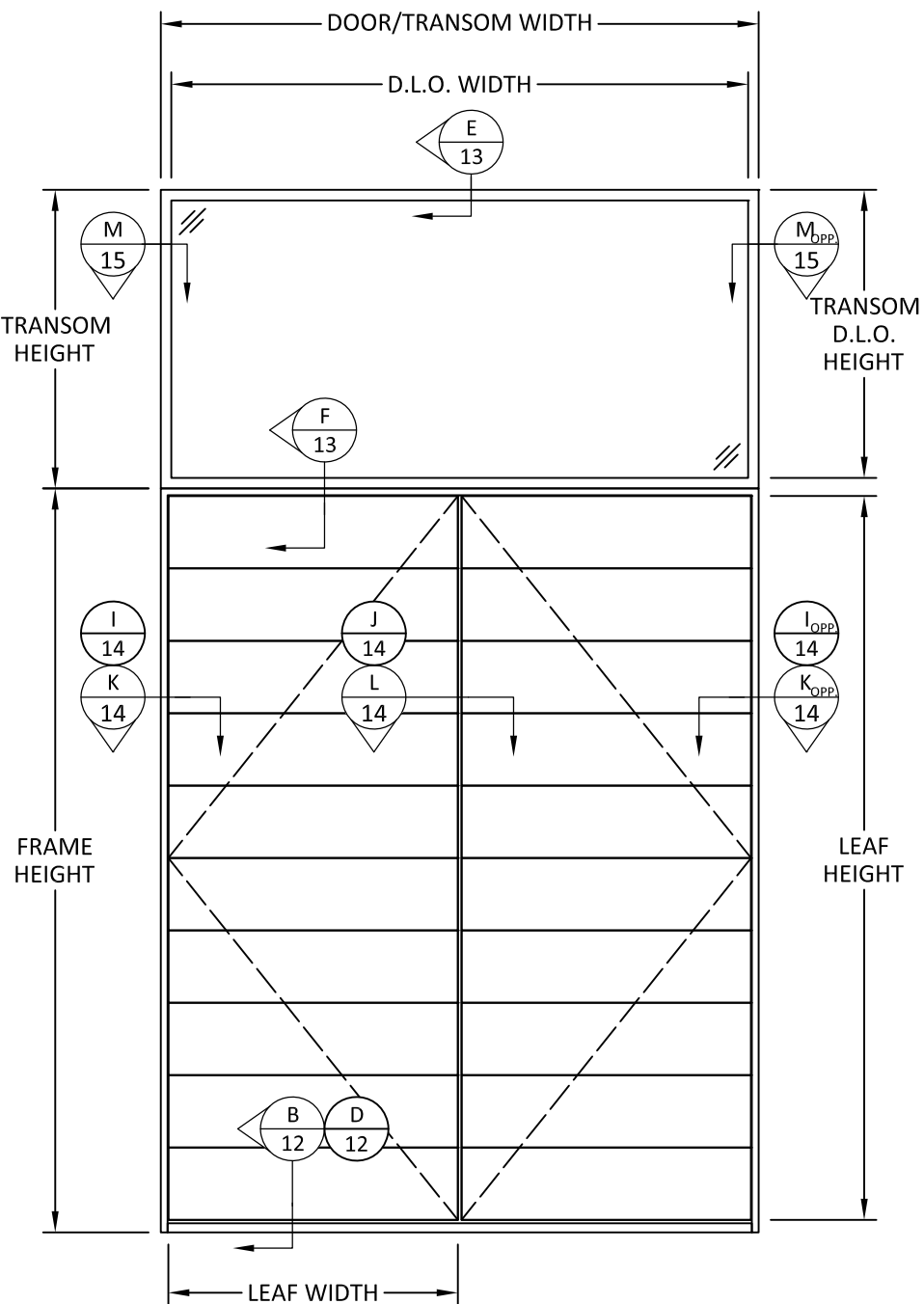
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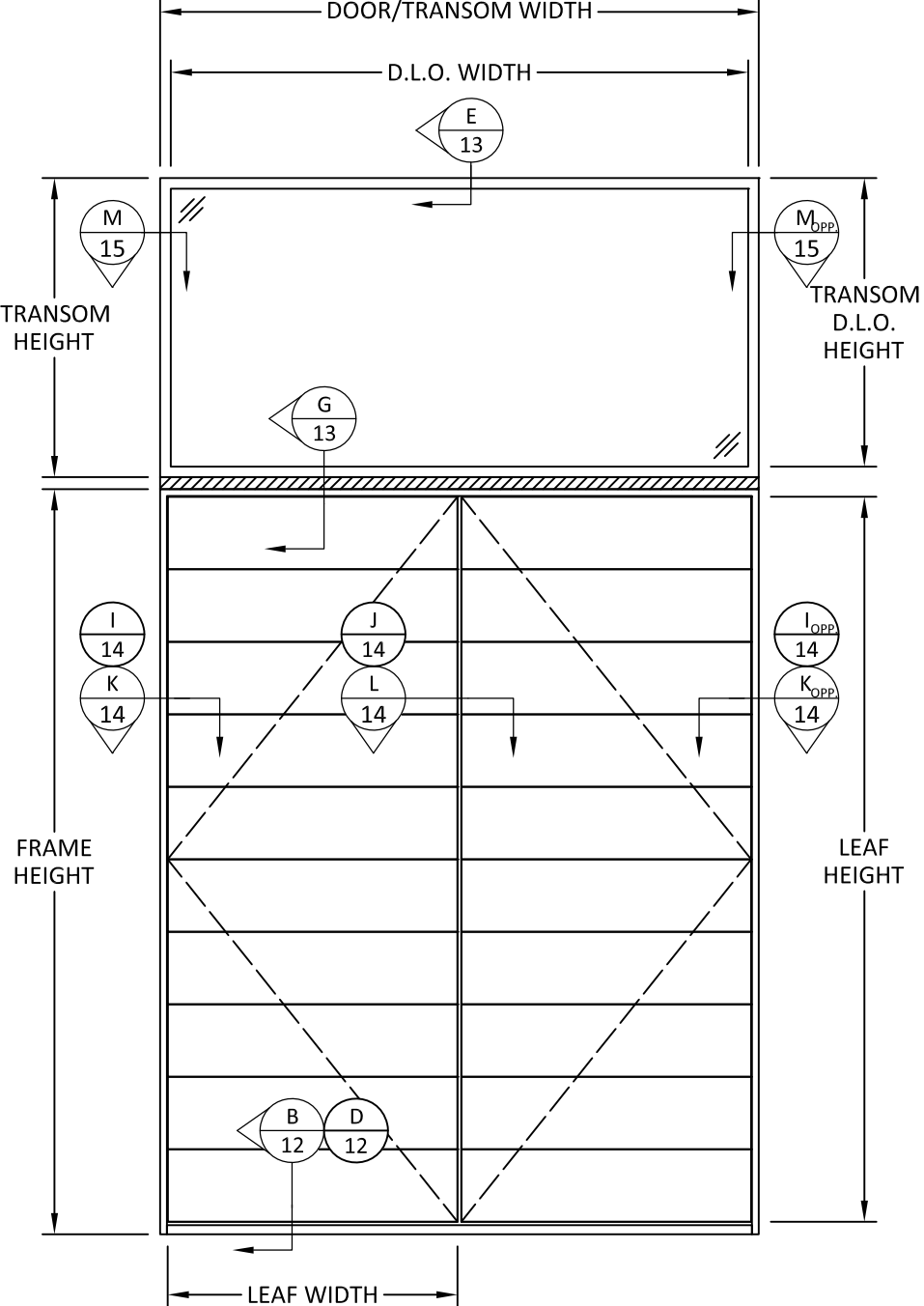
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TYPICAL ELEVATION  
SINGLE DOOR W/ TRANSOM  
SIDELITE W/ TRANSOM SIMILAR



TYPICAL ELEVATION  
DOUBLE DOOR W/ TRANSOM  
W/O ALUMINUM MULLION



TYPICAL ELEVATION  
DOUBLE DOOR W/ TRANSOM  
W/ ALUMINUM MULLION

NOTE: FOR ALTERNATE TRANSOM, SEE SEPARATE  
APPROVAL FOR SHAPE, SIZE, FRAME DEPTH, AND  
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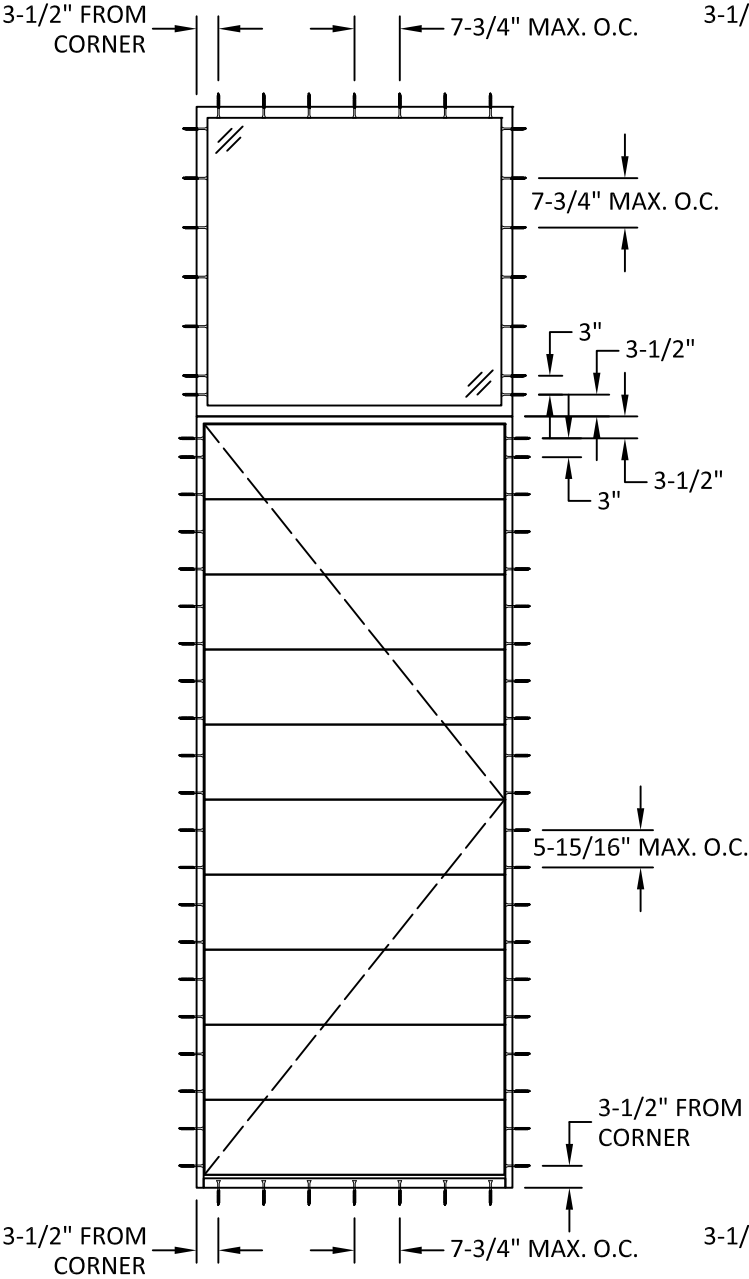
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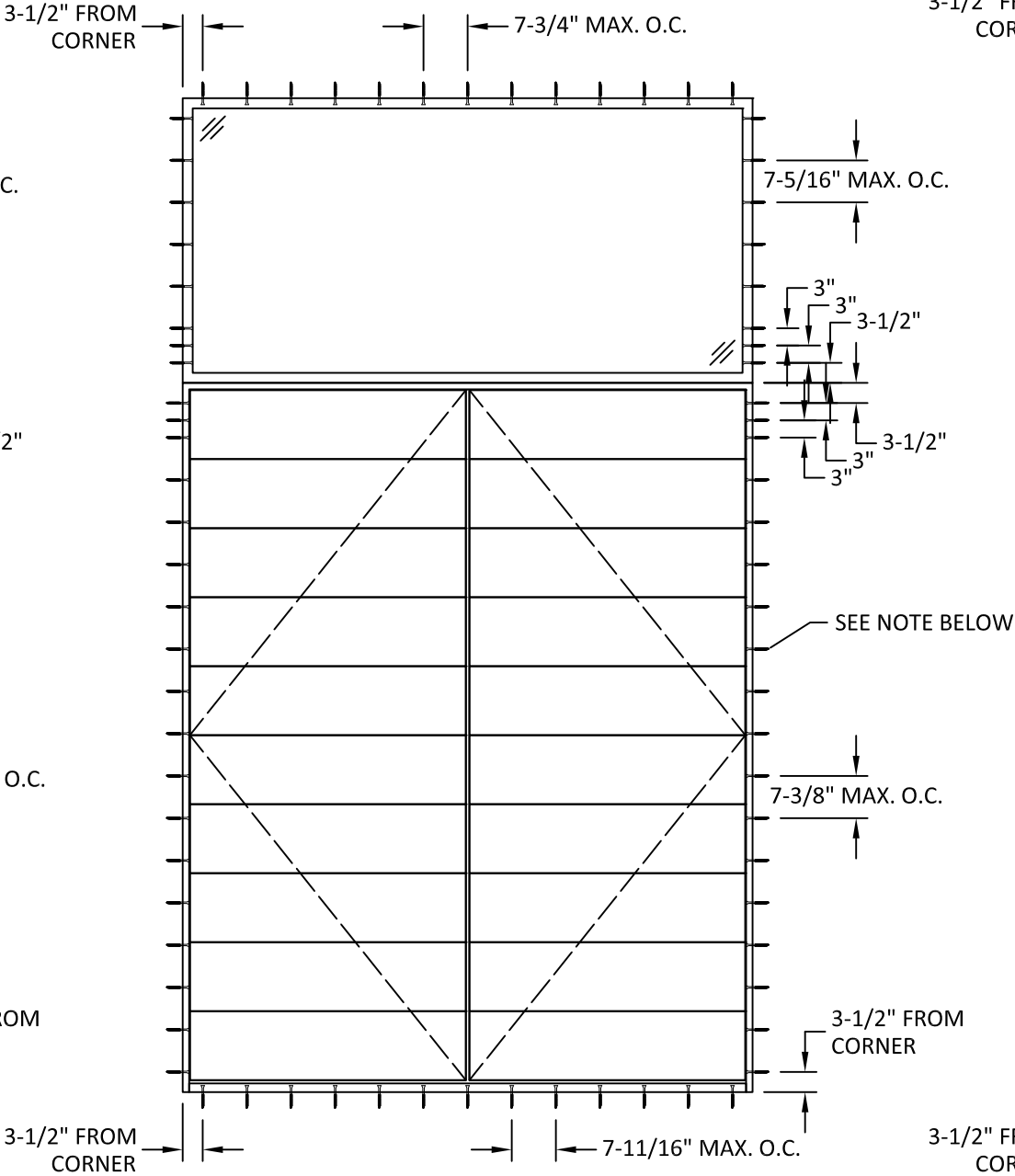
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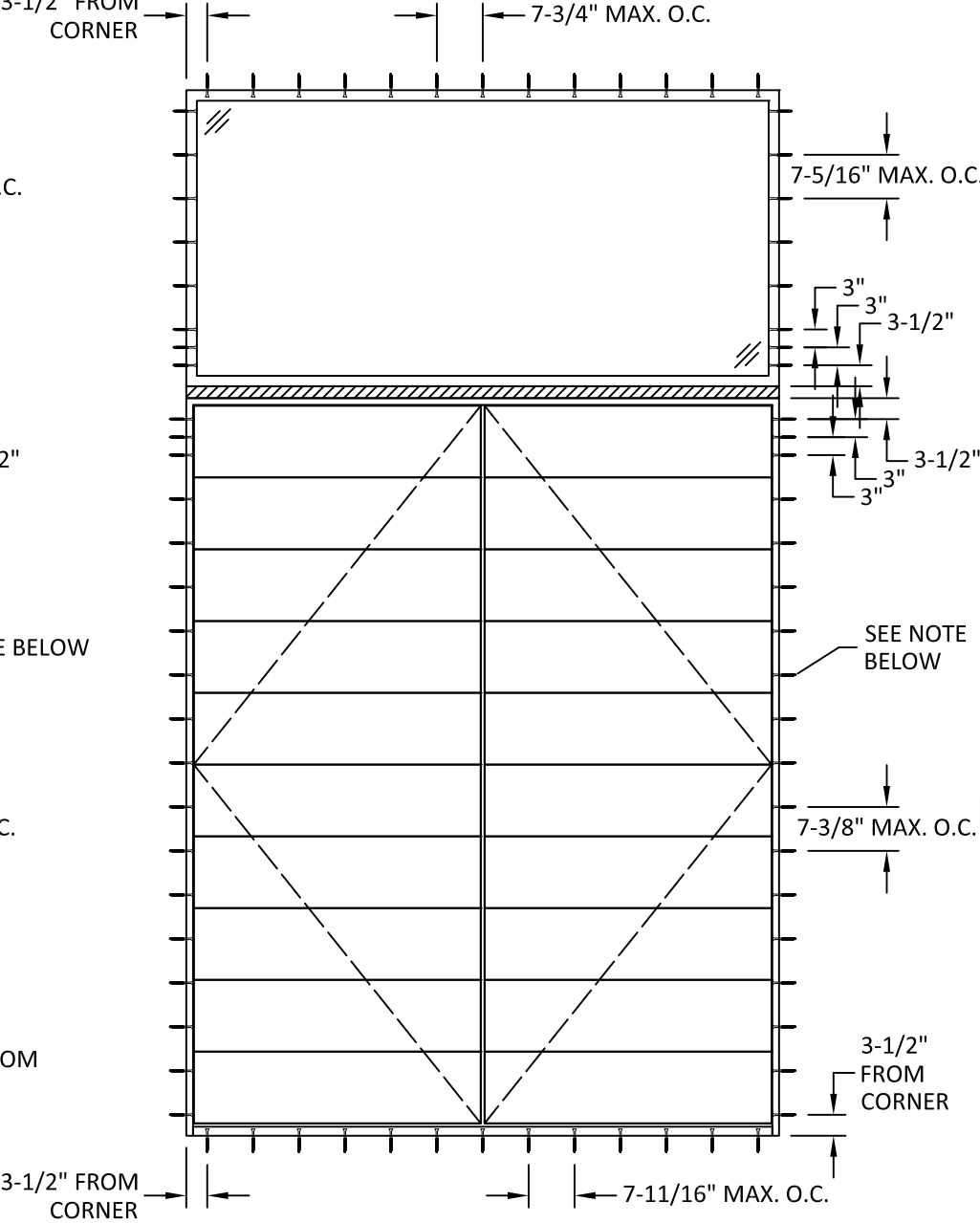
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**ANCHOR LAYOUT**  
SINGLE DOOR W/ TRANSOM  
SIDELITE W/ TRANSOM SIMILAR



**ANCHOR LAYOUT**  
DOUBLE DOOR W/ TRANSOM  
W/O ALUMINUM MULLION



**ANCHOR LAYOUT**  
DOUBLE DOOR W/ TRANSOM  
W/ ALUMINUM MULLION

WHEN DOUBLE DOOR W/ TRANSOM ARE USED, ANCHORS AT THE JAMB SHALL COMPLY WITH THE SPECIFICATIONS OF ANCHORS AT HEAD AND SILL. SEE SHEET 16 FOR DETAILS.



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(DOOR W/ TRANSOM)

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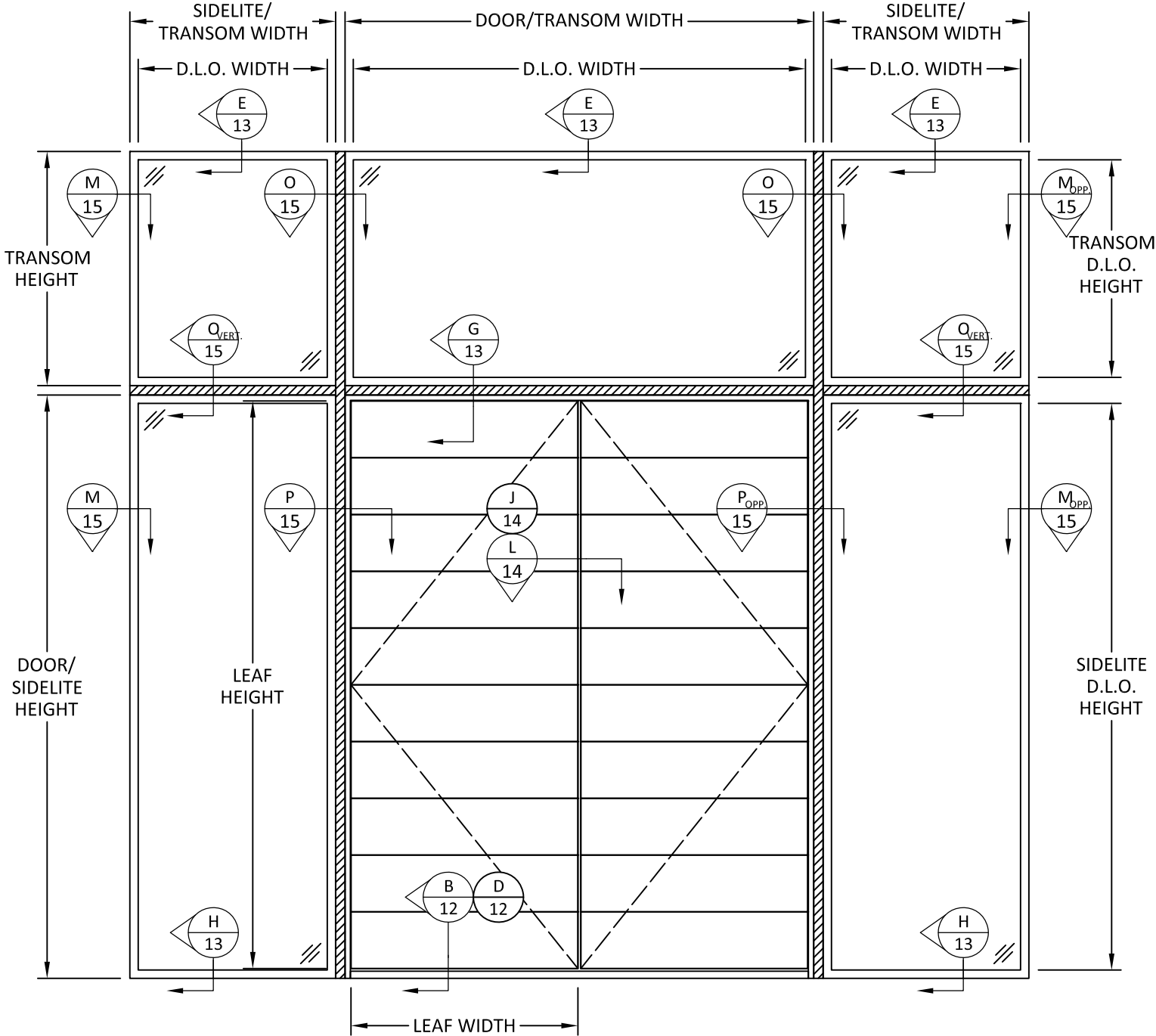
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| FL #:    | <b>FL47210</b>    |
| DATE:    | <b>12.19.2024</b> |
| DWG. BY: | <b>MS</b>         |
| CHK. BY: | <b>HFN</b>        |
| SCALE:   | <b>NTS</b>        |
| DWG. #:  | <b>NED001</b>     |
| SHEET:   | <b>7</b>          |

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**TYPICAL ELEVATION**  
DOUBLE DOOR W/ SIDELITE & TRANSOM  
SINGLE DOOR SIMILAR

NOTE: FOR ALTERNATE SIDELITE/TRANSOM, SEE  
SEPARATE APPROVAL FOR ALTERNATE SHAPE,  
SIZE, FRAME DEPTH, AND GLAZING TYPE.



2787 N AIRPORT ROAD #410  
FORT MYERS, FL 33907  
PH: (239) 340-1229

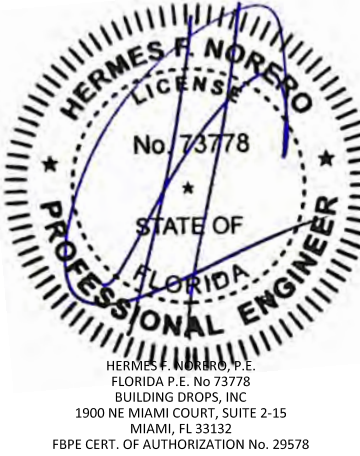
TITLE:  
OPAQUE DOORS (HVHZ) (IMPACT)  
TYPICAL ELEVATION  
(DOOR W/ SIDELITE & TRANSOM)

PREPARED BY:  
BUILDING DROPS, INC.  
1900 NE MIAMI COURT, SUITE 2-15  
MIAMI, FL 33132  
PH: (954) 399-8478  
FAX: (954) 744-4738  
WEB: www.buildingdrops.com



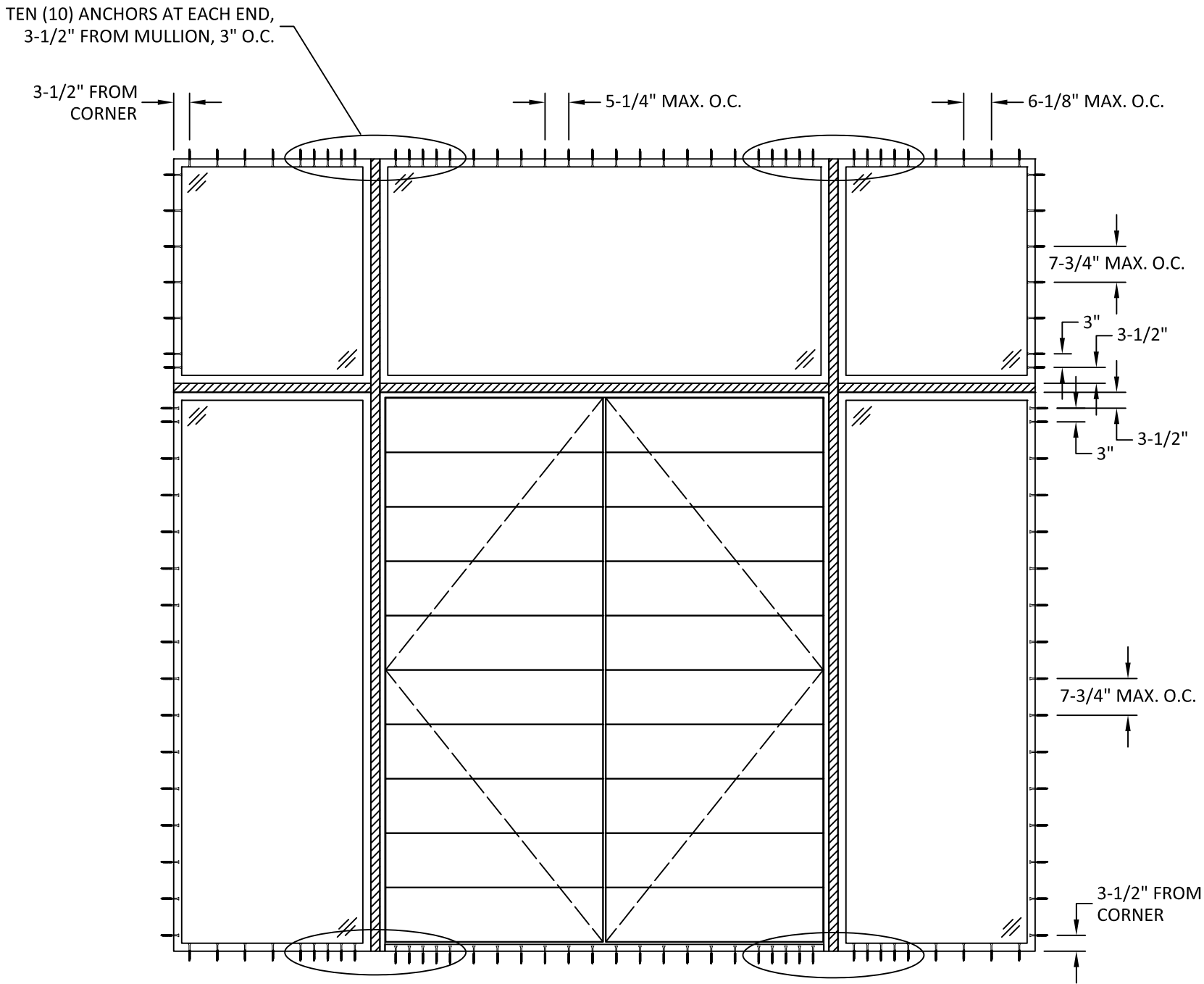
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| DWG. BY: | MS         |
| CHK. BY: | HFN        |
| SCALE:   | NTS        |
| DWG. #:  | NED001     |
| SHEET:   | 8          |

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ANCHOR LAYOUT  
DOUBLE DOOR W/ SIDELITE & TRANSOM  
SINGLE DOOR SIMILAR



2787 N AIRPORT ROAD #410  
FORT MYERS, FL 33907  
PH: (239) 340-1229

TITLE:

OPAQUE DOORS (HVHZ) (IMPACT)  
ANCHOR LAYOUT  
(DOOR W/ SIDELITE & TRANSOM)

PREPARED BY:

**BUILDING DROPS**

OPAQUE DOORS (HVHZ) (IMPACT)  
ANCHOR LAYOUT  
(DOOR W/ SIDELITE & TRANSOM)

**BUILDING DROPS, INC.**  
1900 NE MIAMI COURT, SUITE 2-15  
MIAMI, FL 33132  
PH: (954) 399-8478  
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WEB: www.buildingdrops.com

| REMARKS | BY | DATE |
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HERMES F. NORERO, P.E.  
FLORIDA P.E. No. 73778  
BUILDING DROPS, INC.  
1900 NE MIAMI COURT, SUITE 2-15  
MIAMI, FL 33132  
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL47210

DATE: 12.19.2024

DWG. BY:

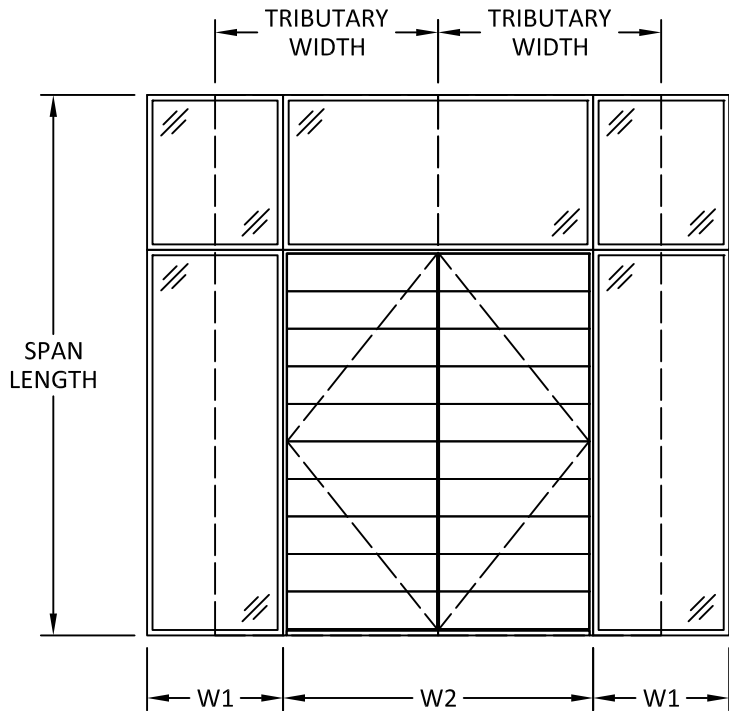
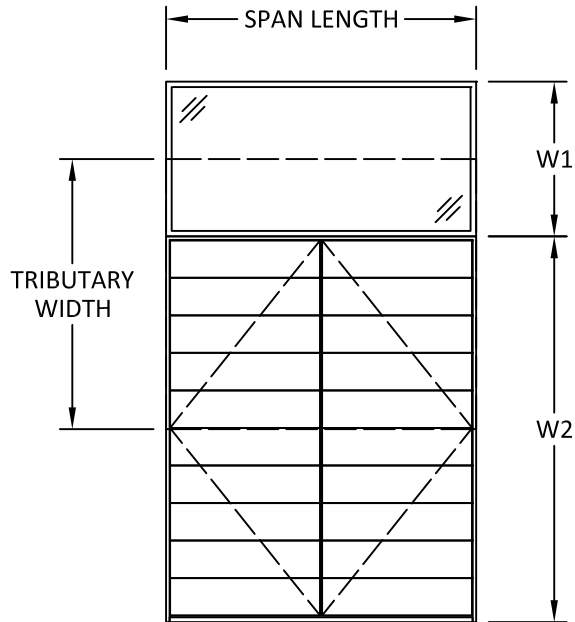
MS

CHK. BY:

HFN

SCALE: NTS

DWG. #: NED001



TRIBUTARY WIDTH =  $\frac{W1 + W2}{2}$

| DESIGN PRESSURE TABLE (PSF) - DOUBLE DOOR/SIDELITE WITH TRANSOM WITHOUT ALUMINUM MULLION* |                       |       |       |       |       |       |       |       |
|-------------------------------------------------------------------------------------------|-----------------------|-------|-------|-------|-------|-------|-------|-------|
| SPAN LENGTH (IN.)                                                                         | TRIBUTARY WIDTH (IN.) |       |       |       |       |       |       |       |
|                                                                                           | 48                    | 54    | 60    | 66    | 72    | 78    | 84    | 90    |
| 48                                                                                        | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| 54                                                                                        | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | -     |
| 60                                                                                        | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | -     | -     | -     |
| 66                                                                                        | 60.00                 | 60.00 | 60.00 | 60.00 | -     | -     | -     | -     |
| 72                                                                                        | 60.00                 | 60.00 | 60.00 | -     | -     | -     | -     | -     |
| 78                                                                                        | 60.00                 | 60.00 | -     | -     | -     | -     | -     | -     |
| 84                                                                                        | 60.00                 | 60.00 | -     | -     | -     | -     | -     | -     |
| 90                                                                                        | 60.00                 | -     | -     | -     | -     | -     | -     | -     |
| 96                                                                                        | 60.00                 | -     | -     | -     | -     | -     | -     | -     |

\* THE DESIGN PRESSURE OF DOOR W/ TRANSOM W/O ALUMINUM MULLION SHALL BE THE LESSER OF THE VALUES IN THIS TABLE AND THE DOOR/TRANSOM DESIGN PRESSURE TABLES.

| DESIGN PRESSURE TABLE (PSF) - DOUBLE DOOR/SIDELITE WITH TRANSOM WITH ALUMINUM MULLION* |                       |       |       |       |       |       |       |       |       |
|----------------------------------------------------------------------------------------|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| SPAN LENGTH (IN.)                                                                      | TRIBUTARY WIDTH (IN.) |       |       |       |       |       |       |       |       |
|                                                                                        | 48                    | 54    | 60    | 66    | 72    | 78    | 84    | 87    | 90    |
| 48                                                                                     | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| 54                                                                                     | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| 60                                                                                     | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| 66                                                                                     | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| 72                                                                                     | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| 78                                                                                     | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| 84                                                                                     | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| 90                                                                                     | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| 96                                                                                     | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| 99                                                                                     | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | -     |
| 102                                                                                    | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | -     | -     |
| 108                                                                                    | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | -     | -     | -     |
| 114                                                                                    | 60.00                 | 60.00 | 60.00 | 60.00 | 59.79 | -     | -     | -     | -     |
| 120                                                                                    | 60.00                 | 60.00 | 60.00 | 55.92 | 51.26 | -     | -     | -     | -     |
| 126                                                                                    | 60.00                 | 59.04 | 53.14 | 48.31 | -     | -     | -     | -     | -     |
| 132                                                                                    | 57.77                 | 51.35 | 46.22 | -     | -     | -     | -     | -     | -     |
| 135                                                                                    | 54.01                 | 48.01 | 43.21 | -     | -     | -     | -     | -     | -     |

\* THE DESIGN PRESSURE OF DOOR W/ TRANSOM W/ ALUMINUM MULLION SHALL BE THE LESSER OF THE VALUES IN THIS TABLE AND THE DOOR/TRANSOM DESIGN PRESSURE TABLES.

| DESIGN PRESSURE TABLE (PSF) - SINGLE/DOUBLE DOOR WITH SIDELITE AND TRANSOM* |                       |       |       |       |       |       |       |       |       |       |       |       |
|-----------------------------------------------------------------------------|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| SPAN LENGTH (IN.)                                                           | TRIBUTARY WIDTH (IN.) |       |       |       |       |       |       |       |       |       |       |       |
|                                                                             | 36                    | 42    | 48    | 54    | 60    | 66    | 72    | 78    | 84    | 90    | 96    | 102   |
| 80                                                                          | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| 84                                                                          | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| 90                                                                          | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| 96                                                                          | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| 102                                                                         | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| 108                                                                         | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| 114                                                                         | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| 120                                                                         | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| 123.313                                                                     | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| 126                                                                         | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | -     |
| 132                                                                         | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | -     | -     |
| 138                                                                         | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | -     | -     |
| 144                                                                         | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | -     | -     | -     |
| 150                                                                         | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | -     | -     | -     |
| 156                                                                         | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | -     | -     | -     | -     |
| 162                                                                         | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | -     | -     | -     | -     | -     |
| 168                                                                         | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | -     | -     | -     | -     | -     |
| 174                                                                         | 60.00                 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | -     | -     | -     | -     | -     |

\* THE DESIGN PRESSURE OF DOOR W/ SIDELITE & TRANSOM SHALL BE THE LESSER OF THE VALUES IN THIS TABLE AND THE DOOR/TRANSOM DESIGN PRESSURE TABLES.



2787 N AIRPORT ROAD #410  
FORT MYERS, FL 33907  
PH: (239) 340-1229

TITLE:  
OPAQUE DOORS (HVHZ) (IMPACT)  
DP TABLES (DOOR W/ TRANSOM/  
SIDELITE & TRANSOM)

PREPARED BY:  
BUILDING DROPS, INC.  
1900 NE MIAMI COURT, SUITE 2-15  
MIAMI, FL 33132  
PH: (954) 399-8478  
FAX: (954) 744-4738  
WEB: www.buildingdrops.com



| REMARKS | BY | DATE |
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FL #:  
**FL47210**

DATE: **12.19.2024**

DWG. BY: **MS**      CHK. BY: **HFN**

SCALE: **NTS**

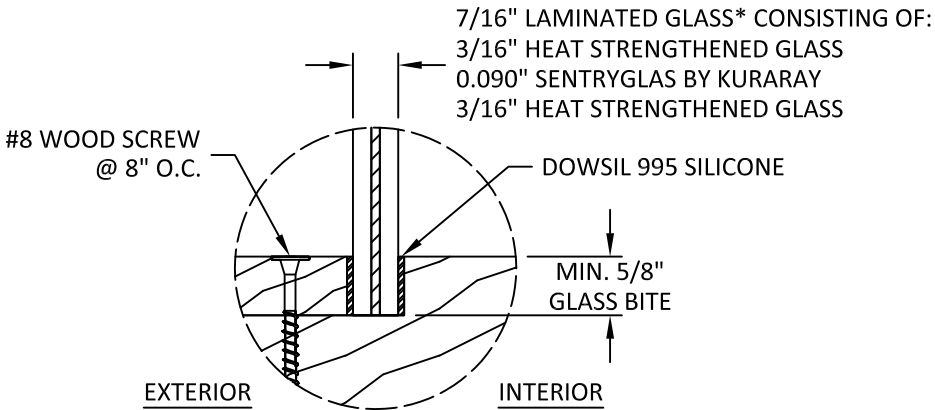
DWG. #: **NED001**

SHEET:  
**10**

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NOTE: SEE MANUFACTURER'S INSTRUCTION FOR  
ALTERNATE DOOR LEAF CONFIGURATIONS & DESIGNS.

| QUALIFIED HARDWARE            |             |                            |
|-------------------------------|-------------|----------------------------|
| TYPE                          | MATERIAL    | MANUFACTURER               |
| TUBULAR LOCK                  | BRASS       | EMTEK, BALDWIN             |
| MORTISE LOCK                  | BRASS       | EMTEK, BALDWIN             |
| 3-PT MULTIPOINT LOCK          | BRASS       | HOPPE                      |
| 3-PT MULTIPOINT DEADBOLT LOCK | BRASS       | HOPPE                      |
| 5-PT MULTIPOINT LOCK          | BRASS       | HOPPE                      |
| 5-PT MULTIPOINT DEADBOLT LOCK | BRASS       | HOPPE                      |
| 5X5 NRP HINGE                 | BRASS       | EMTEK, BALDWIN, DELTANA    |
| FLUSH BOLT                    | BRASS/STEEL | EMTEK, DELTANA, ASSA-ABLOY |
| SURFACE BOLT                  | BRASS       | EMTEK, DELTANA             |



GLAZING DETAIL  
SIDELITE/TRANSOM

GLAZING NOTES:

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

\* FOR 9/16" THICK GLASS OPTION OR TEMPERED GLASS OPTION  
ON SIDELITE/TRANSOM, SEE SEPARATE APPROVAL FOR DETAILS.



2787 N AIRPORT ROAD #410  
FORT MYERS, FL 33907  
PH: (239) 340-1229

TITLE:

OPAQUE DOORS (HVHZ) (IMPACT)  
QUALIFIED HARDWARE &  
GLAZING DETAIL

PREPARED BY:

BUILDING DROPS, INC.  
1900 NE MIAMI COURT, SUITE 2-15  
MIAMI, FL 33132  
PH: (954) 399-8478  
FAX: (954) 744-4738  
WEB: www.buildingdrops.com

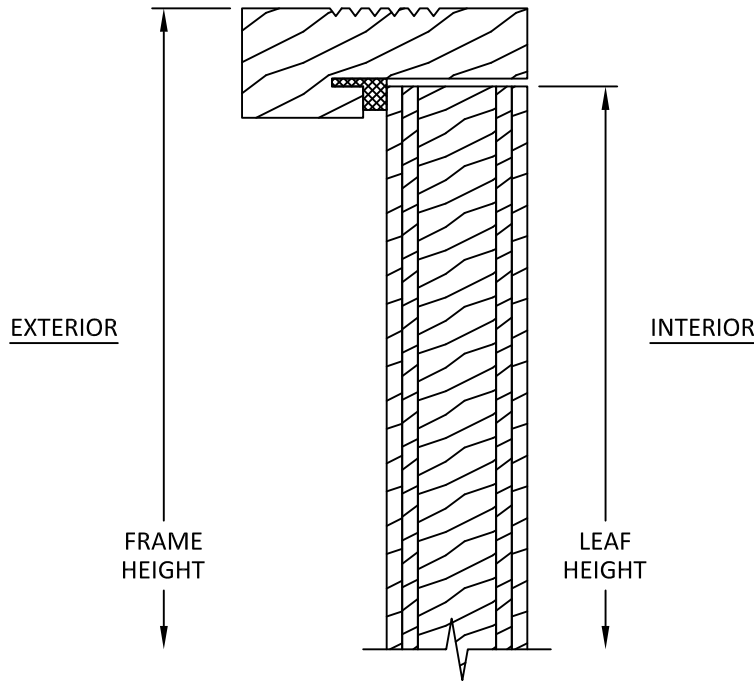


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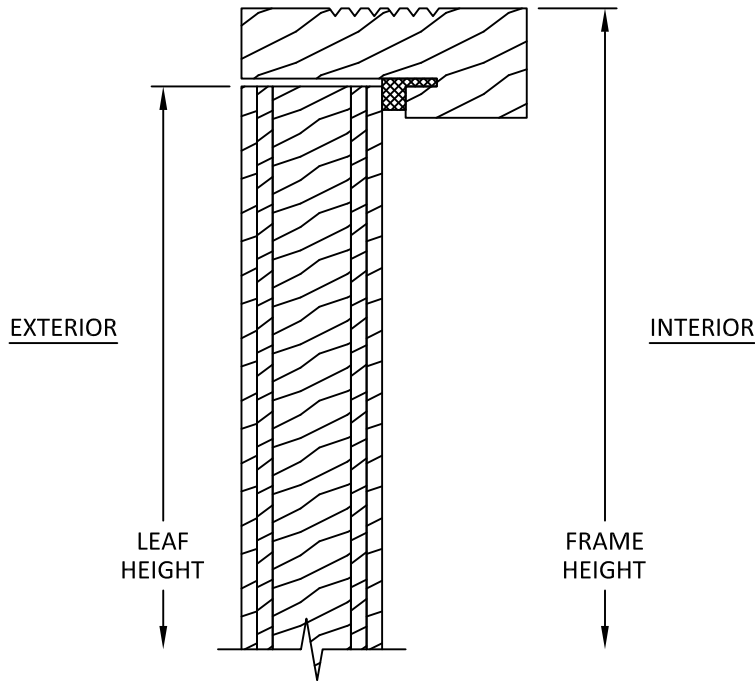
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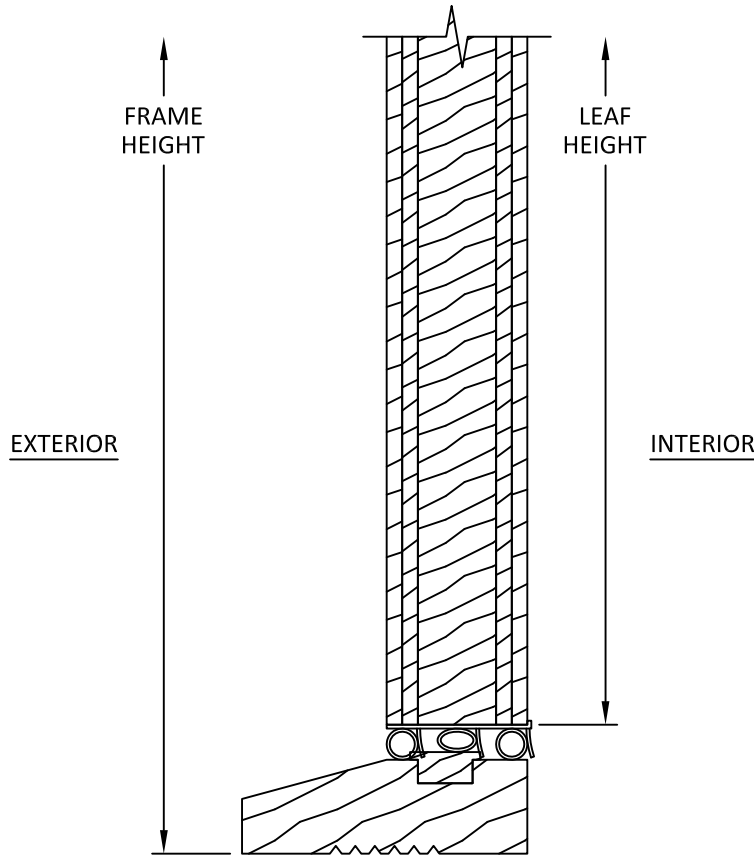
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| DATE:    | 12.19.2024 |
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| SCALE:   | NTS        |
| DWG. #:  | NED001     |
| SHEET:   | 11         |



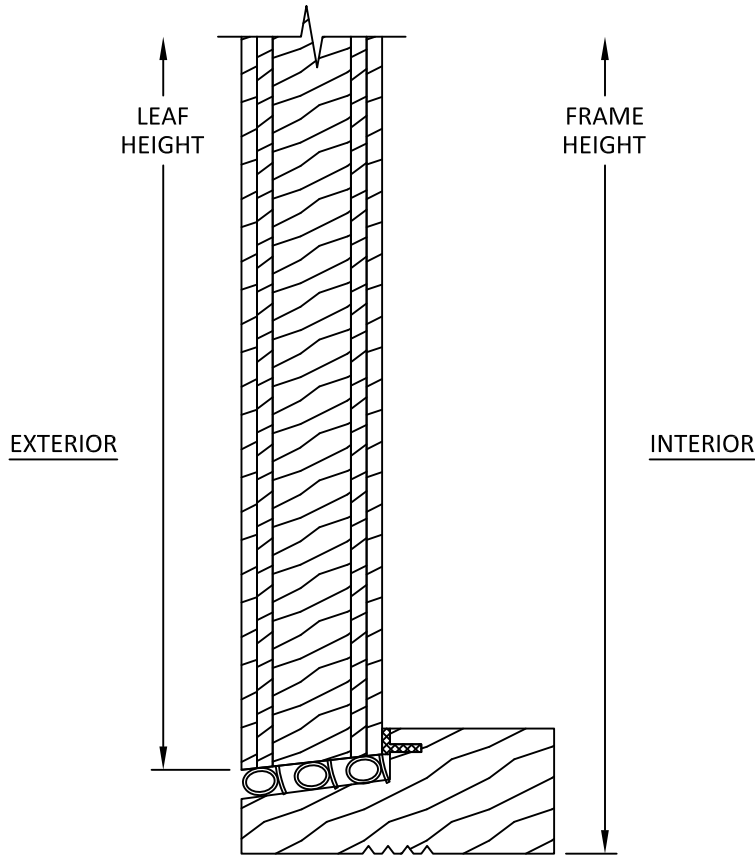
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**12** VERTICAL SECTION  
INSWING DOOR HEAD



**C**  
**12** VERTICAL SECTION  
OUTSWING DOOR HEAD



**B**  
**12** VERTICAL SECTION  
INSWING DOOR SILL



**D**  
**12** VERTICAL SECTION  
OUTSWING DOOR SILL



2787 N AIRPORT ROAD #410  
FORT MYERS, FL 33907  
PH: (239) 340-1229

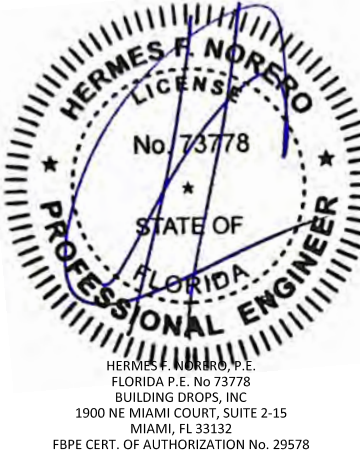
TITLE:  
OPAQUE DOORS (HVHZ) (IMPACT)  
VERTICAL SECTIONS

PREPARED BY:  
BUILDING DROPS, INC.  
1900 NE MIAMI COURT, SUITE 2-15  
MIAMI, FL 33132  
PH: (954) 399-8478  
FAX: (954) 744-4738  
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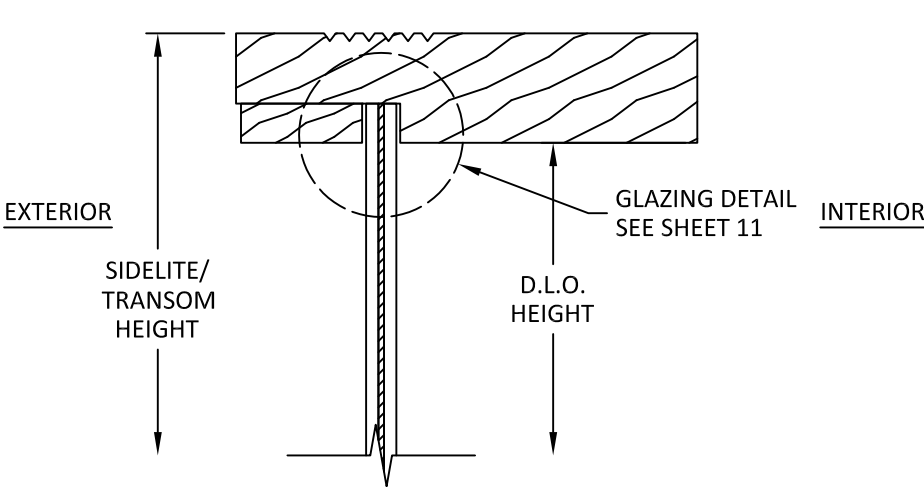
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DWG. #: **NED001**

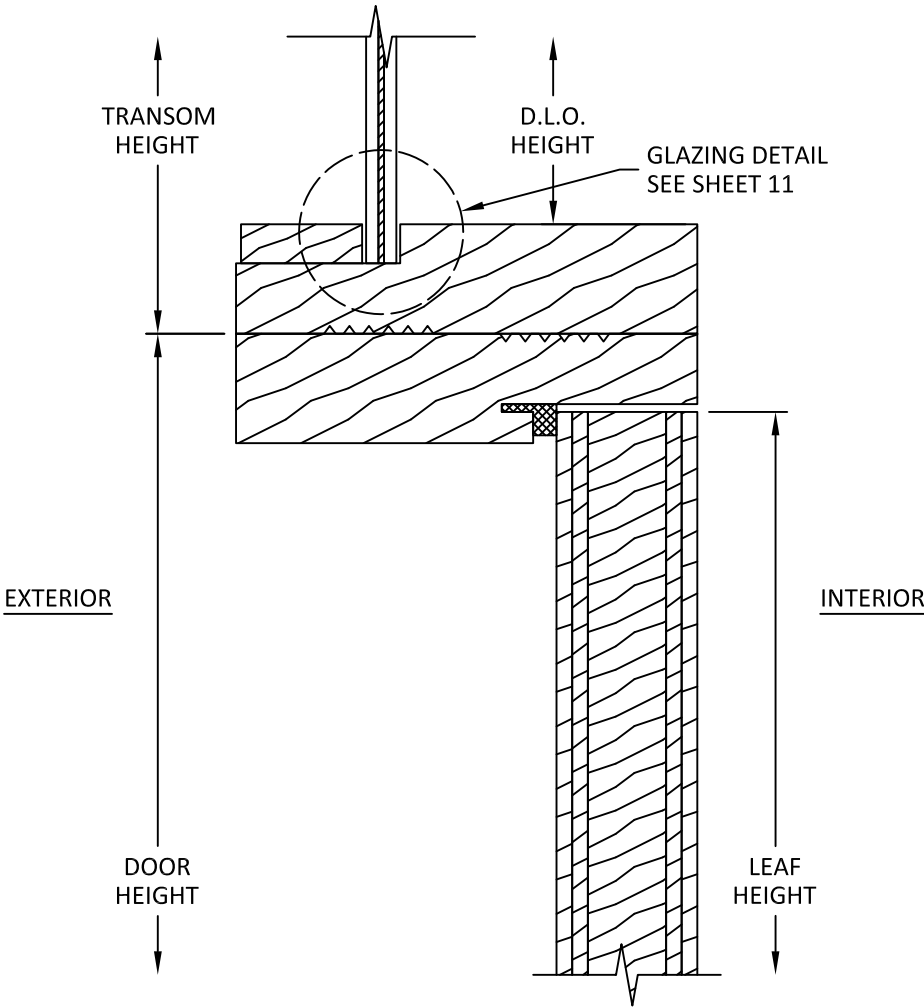
SHEET: **12**

OF 16

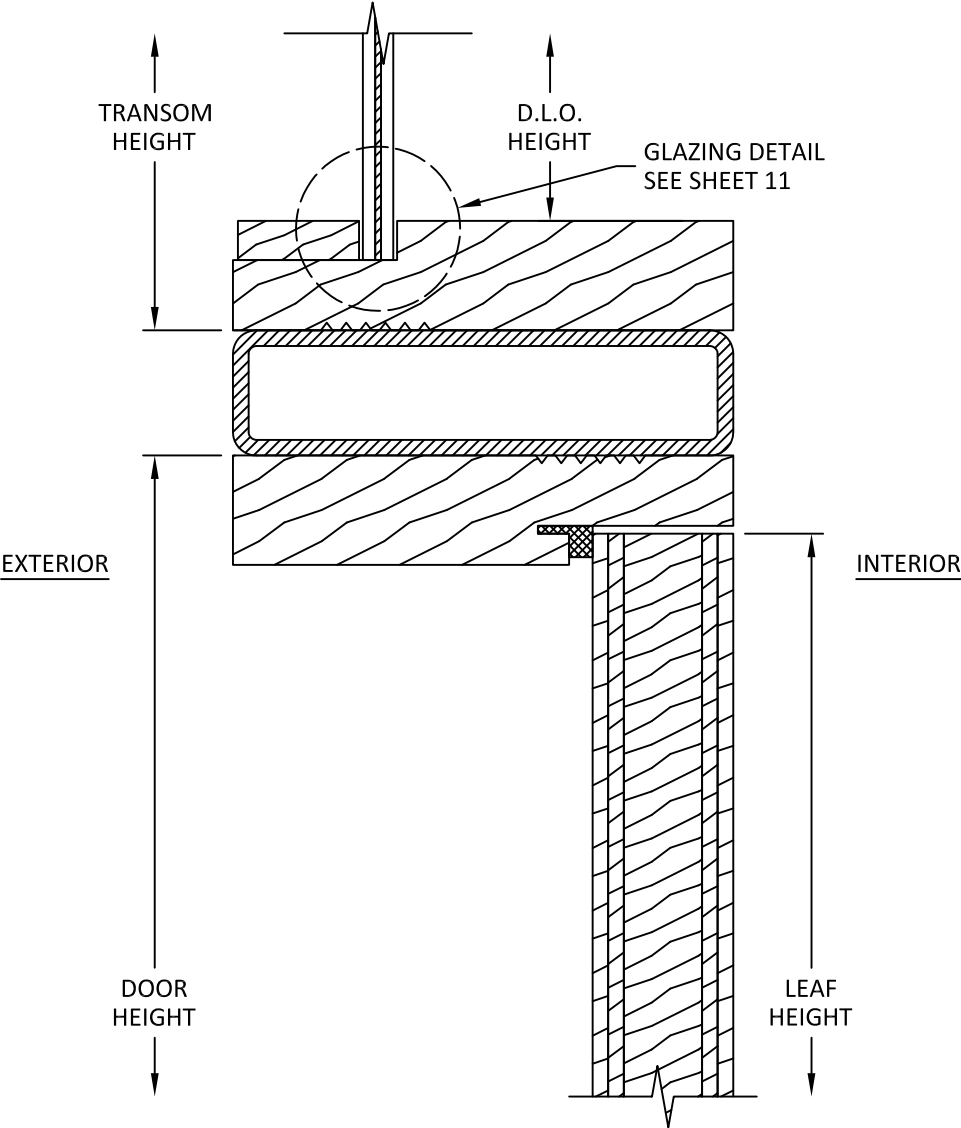
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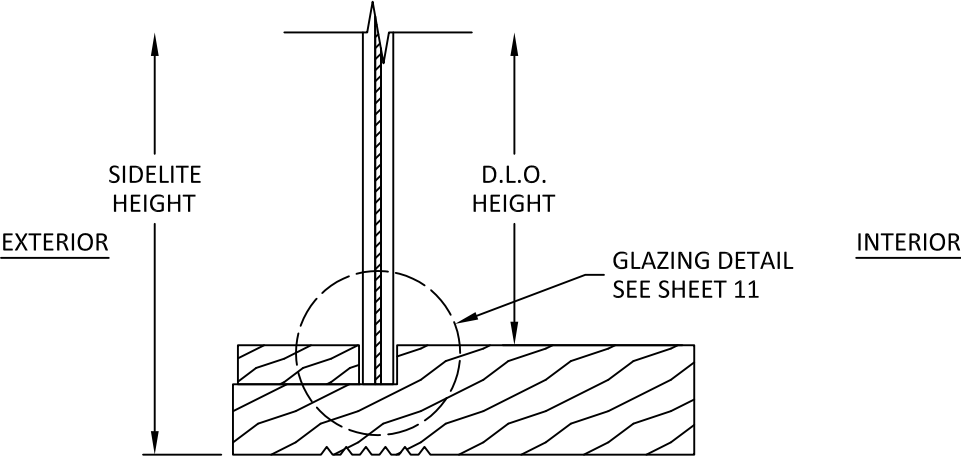
**E**  
**13** VERTICAL SECTION  
SIDELITE/TRANSOM HEAD



**F**  
**13** VERTICAL SECTION  
TRANSOM TO DOOR  
INSWING SHOWN, OUTSWING SIMILAR  
TRANSOM TO SIDELITE SIMILAR



**G**  
**13** VERTICAL SECTION  
TRANSOM TO DOOR W/ ALUM. MULLION  
INSWING SHOWN, OUTSWING SIMILAR



**H**  
**13** VERTICAL SECTION  
SIDELITE SILL



2787 N AIRPORT ROAD #410  
FORT MYERS, FL 33907  
PH: (239) 340-1229

TITLE: OPAQUE DOORS (HVHZ) (IMPACT)  
VERTICAL SECTIONS

PREPARED BY: BUILDING DROPS, INC.  
1900 NE MIAMI COURT, SUITE 2-15  
MIAMI, FL 33132  
PH: (954) 399-8478  
FAX: (954) 744-4738  
WEB: www.buildingdrops.com

**BUILDING DROPS**

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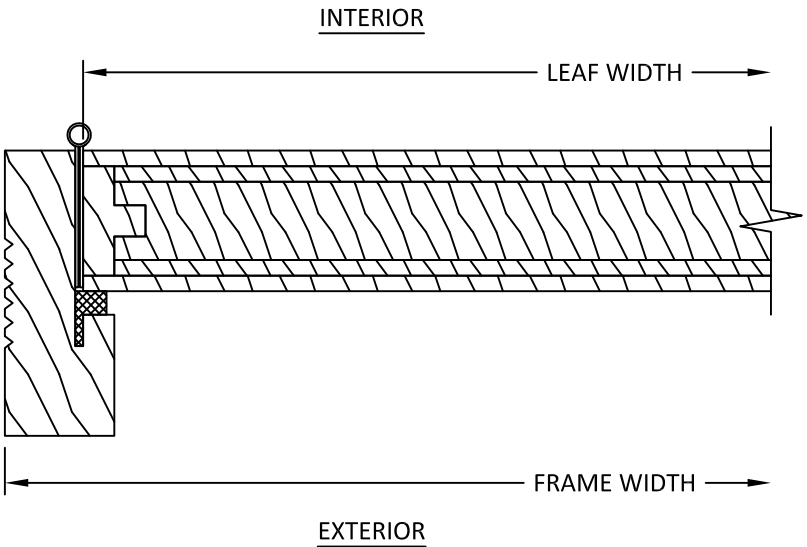
DWG. BY: **MS**      CHK. BY: **HFN**

SCALE: **NTS**

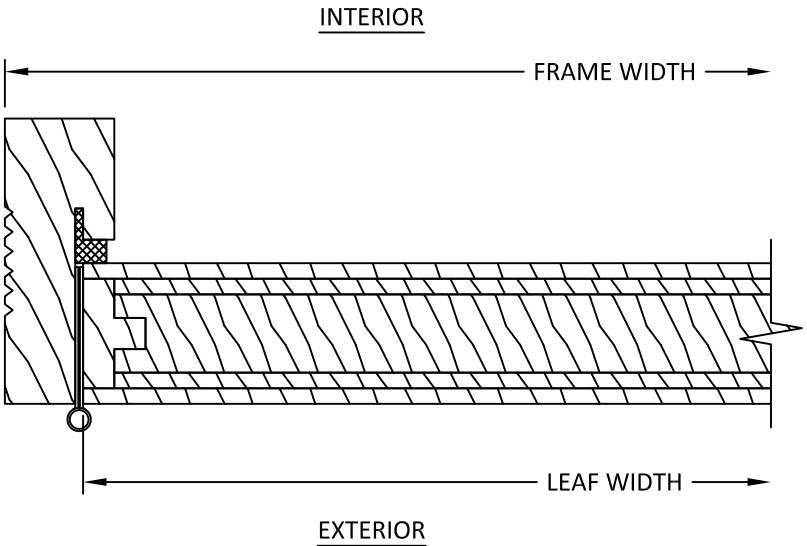
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SHEET: **13** OF 16

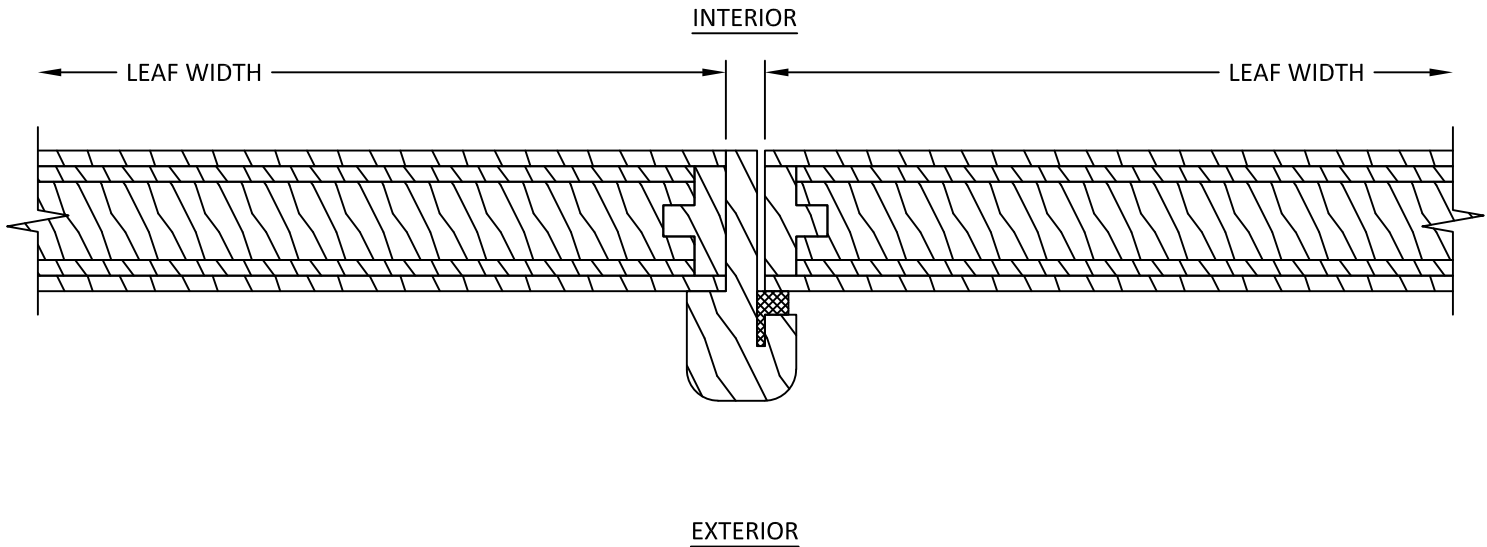
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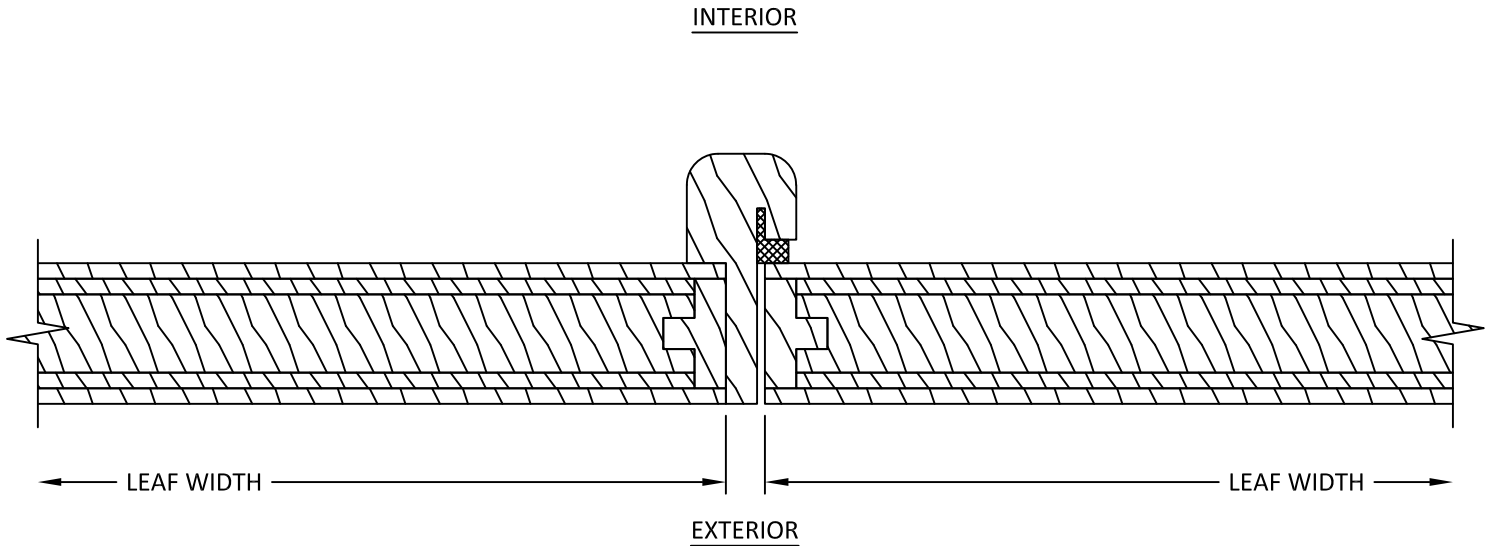
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**15** **HORIZONTAL SECTION**  
INSWING DOOR JAMB



**K**  
**15** **HORIZONTAL SECTION**  
OUTSWING DOOR JAMB



**J**  
**15** **HORIZONTAL SECTION**  
INSWING DOOR ASTRAGAL



**L**  
**15** **HORIZONTAL SECTION**  
OUTSWING DOOR ASTRAGAL



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TITLE: OPAQUE DOORS (HVHZ) (IMPACT)

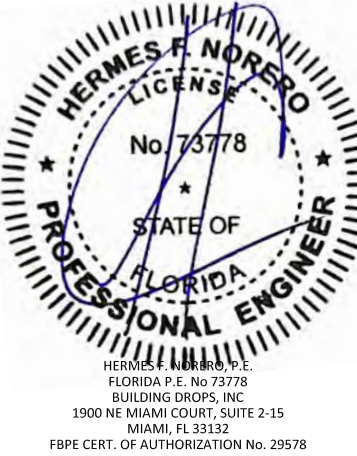
HORIZONTAL SECTIONS

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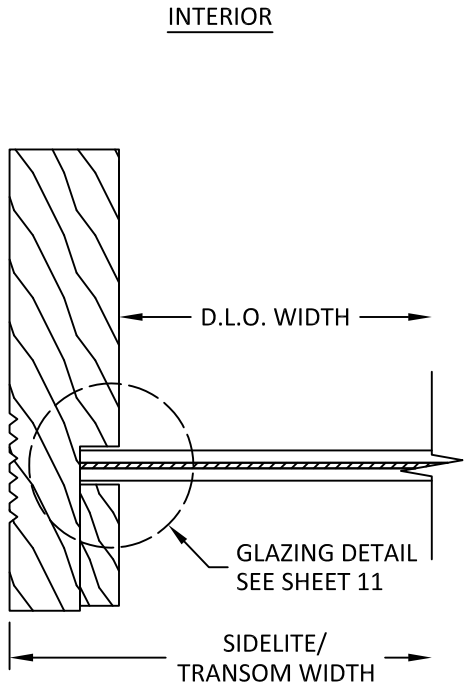
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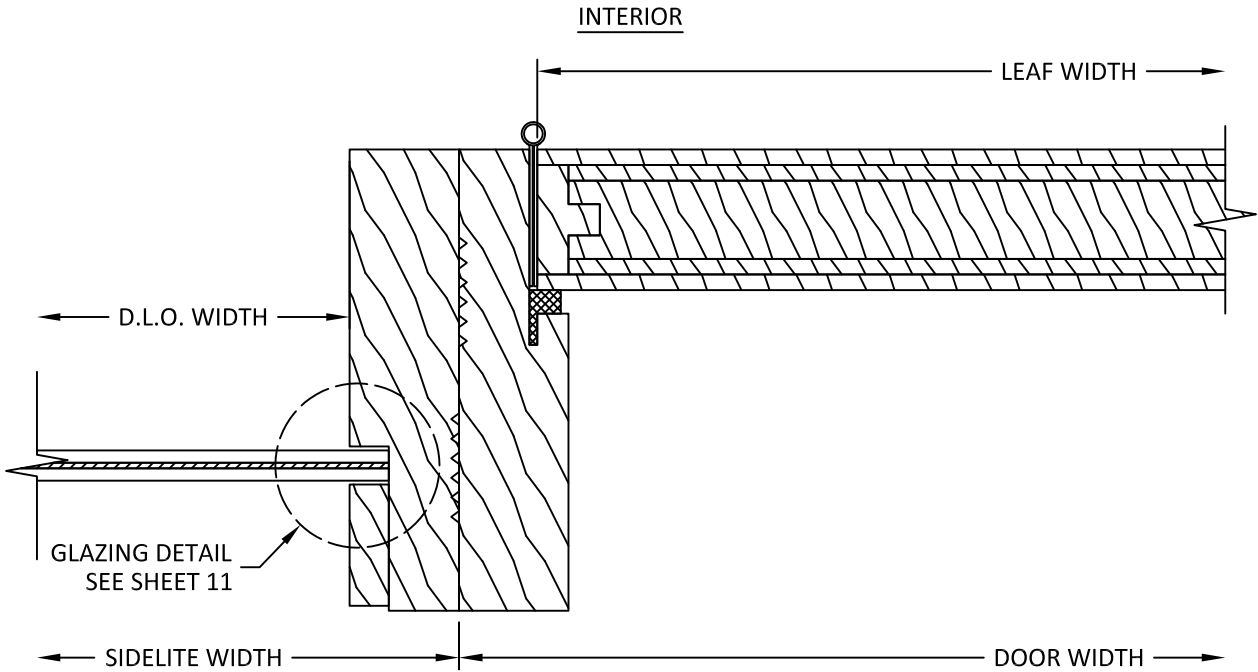
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| DATE:    | <b>12.19.2024</b> |
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| CHK. BY: | <b>HFN</b>        |
| SCALE:   | <b>NTS</b>        |
| DWG. #:  | <b>NED001</b>     |
| SHEET:   | <b>14</b>         |

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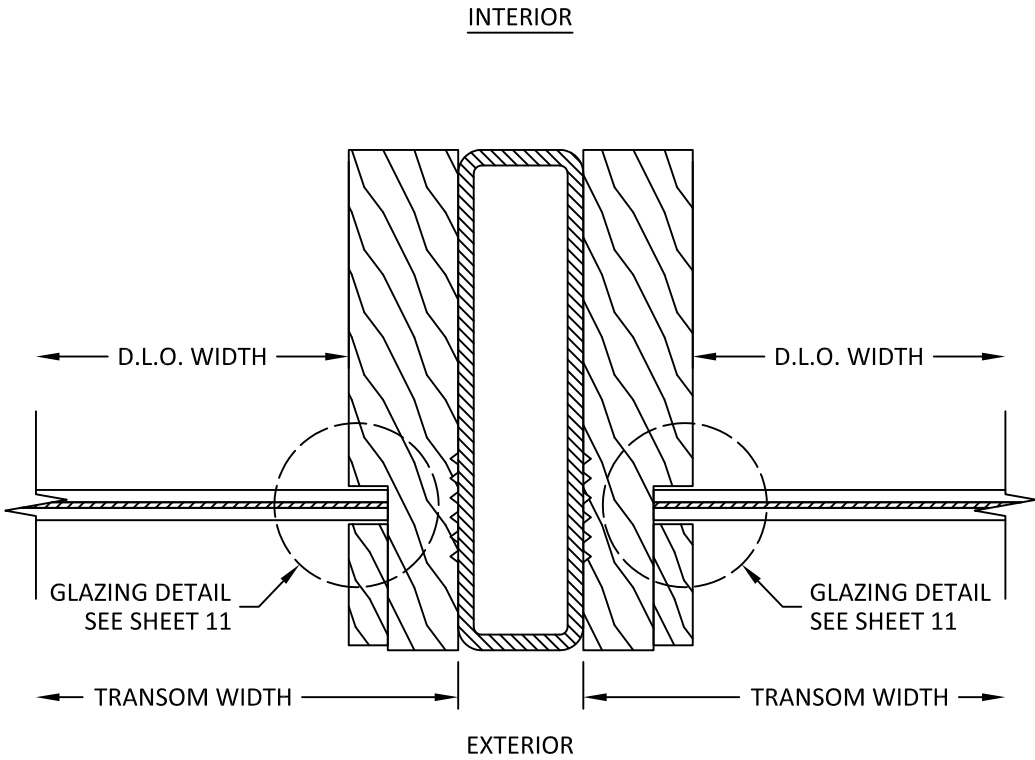
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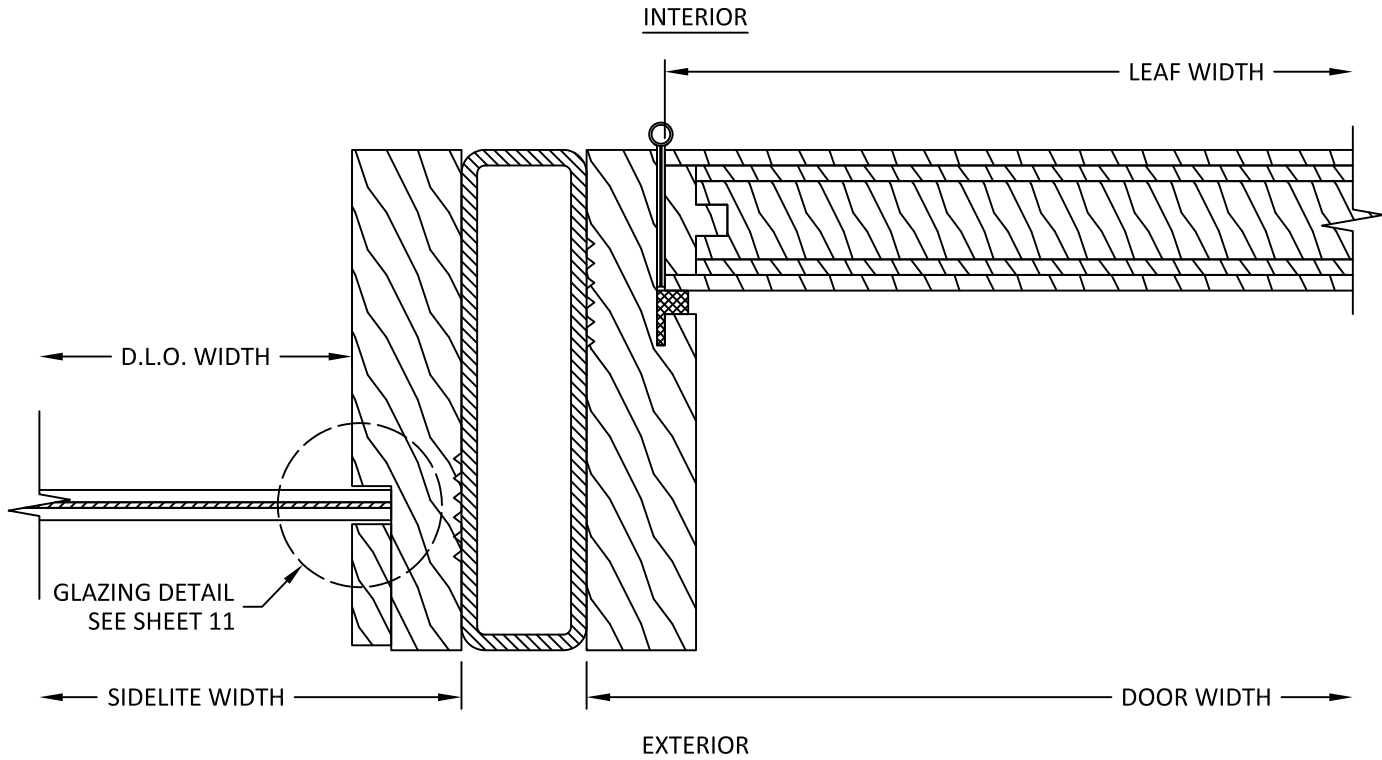
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**15** **HORIZONTAL SECTION**  
SIDELITE/TRANSOM JAMB



**N**  
**15** **HORIZONTAL SECTION**  
SIDELITE TO DOOR  
INSWING SHOWN, OUTSWING SIMILAR



**O**  
**15** **HORIZONTAL SECTION**  
TRANSOM TO TRANSOM  
(SIDELITE TO TRANSOM W/ ALUM. MULLION)



**P**  
**15** **HORIZONTAL SECTION**  
SIDELITE TO DOOR W/ ALUM. MULLION  
INSWING SHOWN, OUTSWING SIMILAR



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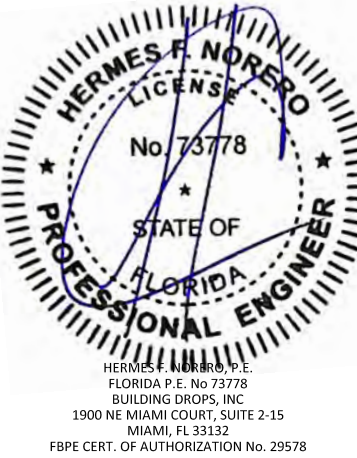
TITLE: OPAQUE DOORS (HVHZ) (IMPACT)  
HORIZONTAL SECTIONS

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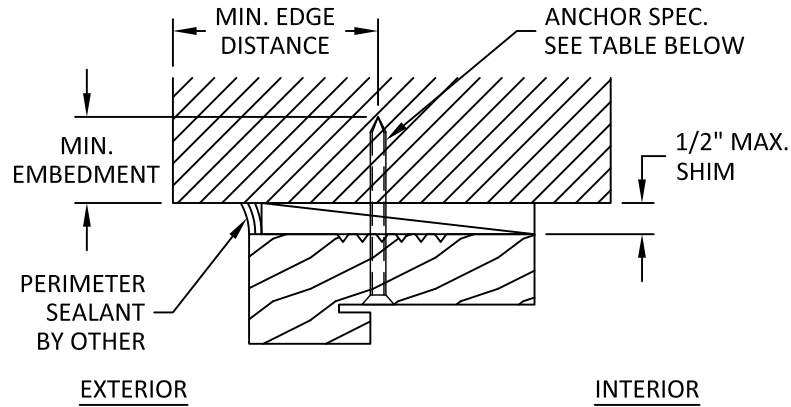
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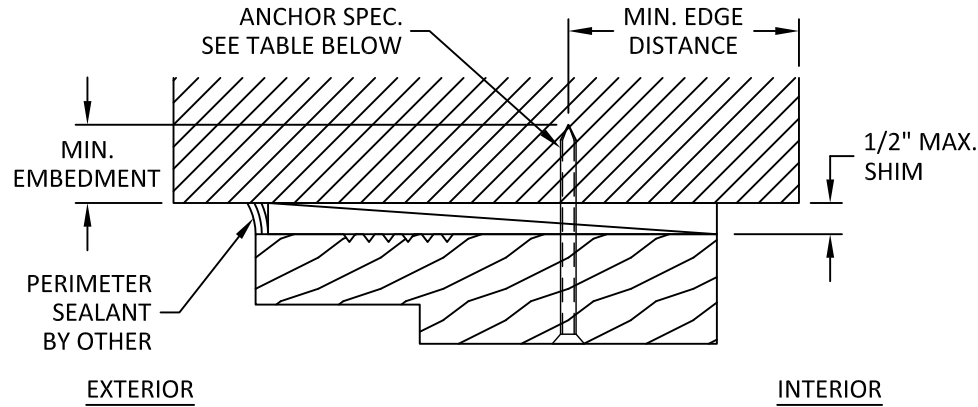
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| DWG. #:  | <b>NED001</b>     |
| SHEET:   | <b>15</b>         |

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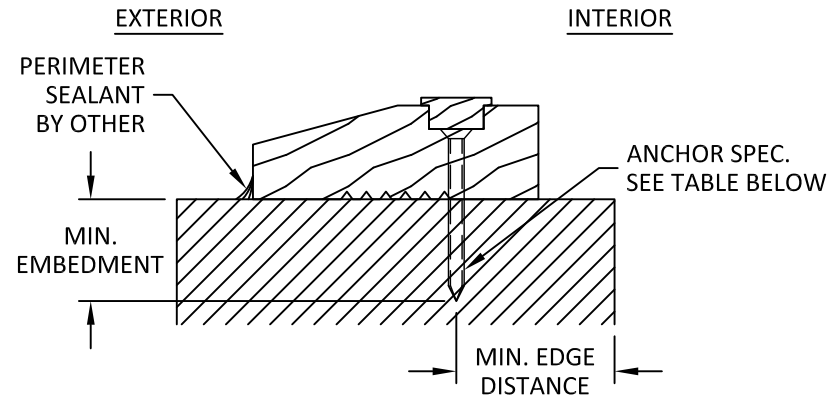
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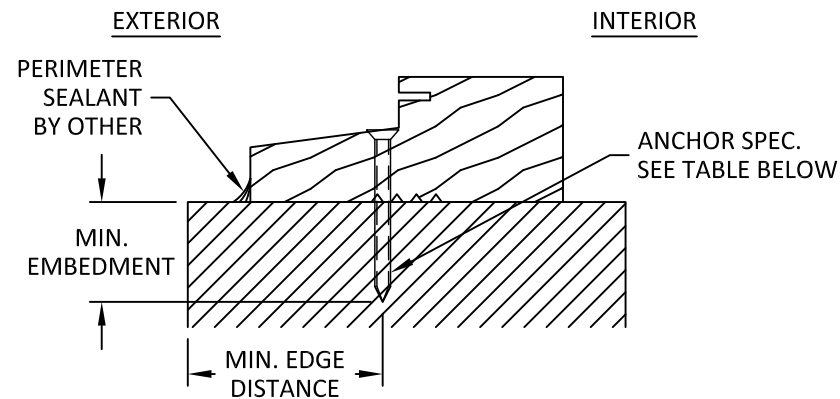
**Q**  
**16** **INSTALLATION DETAIL**  
DOOR HEAD  
HEAD SHOWN, JAMB SIMILAR  
INSWING SHOWN, OUTSWING SIMILAR



**R**  
**16** **INSTALLATION DETAIL**  
SIDELITE/TRANSOM HEAD  
HEAD SHOWN, JAMB & SILL SIMILAR



**S**  
**16** **INSTALLATION DETAIL**  
INSWING DOOR SILL



**T**  
**16** **INSTALLATION DETAIL**  
OUTSWING DOOR SILL

| ANCHOR SCHEDULE         |                                               |                                                      |                                              |                    |
|-------------------------|-----------------------------------------------|------------------------------------------------------|----------------------------------------------|--------------------|
| LOCATION                | SUBSTRATE                                     | ANCHOR TYPE                                          | MIN. EMBEDMENT                               | MIN. EDGE DISTANCE |
| HEAD/<br>SILL/<br>JAMB* | WOOD:<br>MIN. S.G. = 0.55                     | #14 WOOD SCREW                                       | 1-1/2"                                       | 1"                 |
|                         | STEEL:<br>MIN. 18 GA.<br>MIN. Fy = 33 ksi     | 1/4" GRADE 5<br>SELF-DRILLING/<br>SELF-TAPPING SCREW | 3 THREADS MIN<br>PENETRATION<br>BEYOND METAL | 1/2"               |
|                         | ALUMINUM:<br>MIN. 1/8" THICK<br>MIN. 6063-T5  |                                                      |                                              |                    |
|                         | CONCRETE:<br>MIN. f'c = 3000 psi              | 1/4" ITW TAPCON                                      | 1-1/2"                                       | 1-1/2"             |
|                         | MASONRY:<br>CMU per ASTM C90<br>MIN. 2000 PSI |                                                      | 1"                                           | 2"                 |
| JAMB                    | WOOD:<br>MIN. S.G. = 0.55                     | #10 WOOD SCREW                                       | 1-1/2"                                       | 1"                 |
|                         | STEEL:<br>MIN. 18 GA.<br>MIN. Fy = 33 ksi     | #10 GRADE 5<br>SELF-DRILLING/<br>SELF-TAPPING SCREW  | 3 THREADS MIN<br>PENETRATION<br>BEYOND METAL | 1/2"               |
|                         | ALUMINUM:<br>MIN. 1/8" THICK<br>MIN. 6063-T5  |                                                      |                                              |                    |
|                         | CONCRETE:<br>MIN. f'c = 3000 psi              | 3/16" ITW TAPCON                                     | 1"                                           | 1-1/8"             |
|                         | MASONRY:<br>CMU per ASTM C90<br>MIN. 2000 PSI |                                                      | 1"                                           | 2"                 |

\* WHEN DOUBLE DOOR W/ TRANSOM ARE USED, ANCHORS AT JAMBS SHALL COMPLY WITH THE SPECIFICATIONS OF ANCHORS AT HEAD AND SILL.

**INSTALLATION NOTES:**

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF  $\pm 1/4$  INCH THE DEPICTED LOCATION & SPACING IN THE ANCHOR LAYOUT DETAILS (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/2 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF WOOD OR BETTER.
- 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.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- 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.
- 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.



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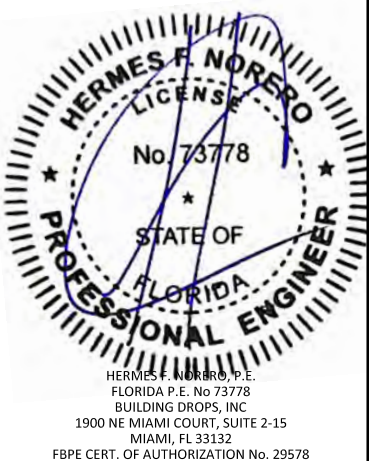
TITLE:  
OPAQUE DOORS (HVHZ) (IMPACT)  
INSTALLATION DETAILS & NOTES

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| DWG. #:  | <b>NED001</b>     |

SHEET:  
**16**  
OF 16