

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 ±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. FASTENER THROUGH FRAME/THRESHOLD: FOR INSTALLATION THROUGH 2X WOOD FRAME USE ONE (1) #10 WOOD SCREW THROUGH FRAME OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE AND SHALL MAINTAIN MINIMUM 3/4" EDGE DISTANCE.
5. FASTENER THROUGH FRAME/THRESHOLD: FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/ MASONRY, USE ONE (1) 3/16 INCH ITW TAPCON THROUGH FRAME OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT AND SHALL MAINTAIN MINIMUM 1-1/2" EDGE DISTANCE.
6. FASTENER THROUGH FRAME/THRESHOLD: FOR INSTALLATION THROUGH METAL STUD USE ONE (1) #10 SELF-TAPPING SCREWS THROUGH FRAME OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION BEYOND METAL FRAME SUBSTRATE AND SHALL MAINTAIN MINIMUM 3/4" EDGE DISTANCE.
7. INSTALLATION CLIP & NAILING FIN: FOR INSTALLATION THROUGH 2X WOOD FRAME USE ONE (1) #10 WOOD SCREW PER CLIP AND ONE (1) #8 WOOD SCREW OR 11 GAUGE ROOFING NAIL/10D COMMON NAIL THROUGH NAILING FLANGE PER LOCATION OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
8. INSTALLATION CLIP & NAILING FIN: FOR INSTALLATION THROUGH METAL STUD USE ONE (1) #10 SELF-TAPPING SCREW PER CLIP AND ONE (1) #8 SELF-TAPPING SCREW THROUGH NAILING FLANGE PER LOCATION OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION BEYOND METAL FRAME.
9. GUSSET INSTALLATION AT MULLION HEAD: FOR INSTALLATION INTO 2X WOOD FRAME USE FOUR (4) #10 WOOD SCREWS PER GUSSET OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
10. GUSSET INSTALLATION AT MULLION HEAD: FOR INSTALLATION THROUGH METAL FRAMING USE FOUR (4) #10 SELF-TAPPING SCREWS PER GUSSET OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION BEYOND METAL FRAMING. STEEL SHALL BE MINIMUM 14 GA. THICK AND MINIMUM 36 KSI YIELD STRENGTH, SEE NOTE 15.E BELOW. ALUMINUM SHALL BE MINIMUM 3/16" THICK AND OF 6063-T5 ALLOY OR BETTER, SEE NOTE 15.G.
11. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
12. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
13. 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.
14. 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.
15. 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, HOLLOW BLOCK CMU MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.

D. STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM WALL THICKNESS OF 33 MILS. (20 GAUGE).

E. STEEL - FOR GUSSET INSTALLATIONS, MINIMUM YIELD STRENGTH OF 36 KSI. MINIMUM WALL THICKNESS OF 75 MILS. (14 GAUGE).

F. ALUMINUM - 1/8" MINIMUM THICKNESS (6063-T5).

G. ALUMINUM - FOR GUSSET INSTALLATIONS, 3/16" MINIMUM THICKNESS (6063-T5)

ANDERSEN CORPORATION

ALUMINUM CLAD COMMERCIAL DOOR

(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 E330-14
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 LINEAL MATERIAL: PONDEROSA PINE OR EQUIVALENT (MIN. SG = 0.45)

DOOR CURVED MATERIAL: LAMINATED VENEER LUMBER (LVL)

CLADDING MATERIAL: ALUMINUM 6063-T5
7. DOOR SLABS MAY BE OF 1-3/4" OR 2-1/4" THICKNESS.
8. LVL COMPLIES WITH FBC REQUIREMENTS FOR STRUCTURAL COMPOSITE LUMBER.
9. GLASS SHALL MEET THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 6 FOR GLAZING DETAILS.
10. DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:

X: OPERABLE PANEL

O: FIXED PANEL
11. CUSTOM SIZES AVAILABLE UPON REQUEST.

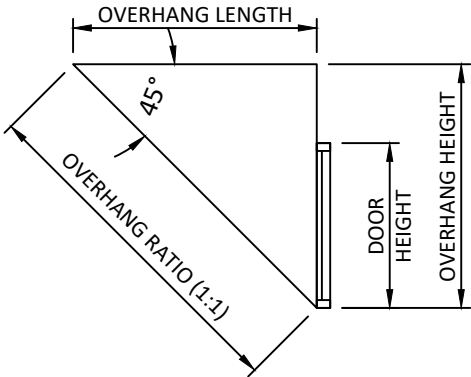
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| OVERALL SIZE    | DESIGN PRESSURE RATING | MISSILE IMPACT RATING |
|-----------------|------------------------|-----------------------|
| 45 15/16" X 95" | +/- 35 PSF             | NON-IMPACT            |
| 74 3/4" X 95"   | +/- 35 PSF             | NON-IMPACT            |

NOTE: DOOR ASSEMBLY IS NOT RATED FOR WATER AND SHOULD ONLY BE USED AT NON-HABITABLE LOCATIONS OR WITH AN OVERHANG.

WHEN INSTALLED AT A LOCATION PROTECTED BY AN OVERHANG SUCH THAT:

OVERHANG (OH) RATIO = OH LENGTH ÷ OH HEIGHT IS ≥1.0, WATER INFILTRATION REQUIREMENT DOES NOT NEED TO BE MET.



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TITLE:  
ALUMINUM CLAD COMMERCIAL DOOR  
(NON-HVHZ) (NON-IMPACT)

GENERAL AND INSTALLATION NOTES

PREPARED BY:  
BUILDING DROPS, INC.

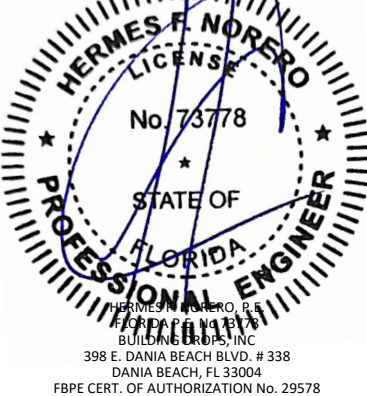
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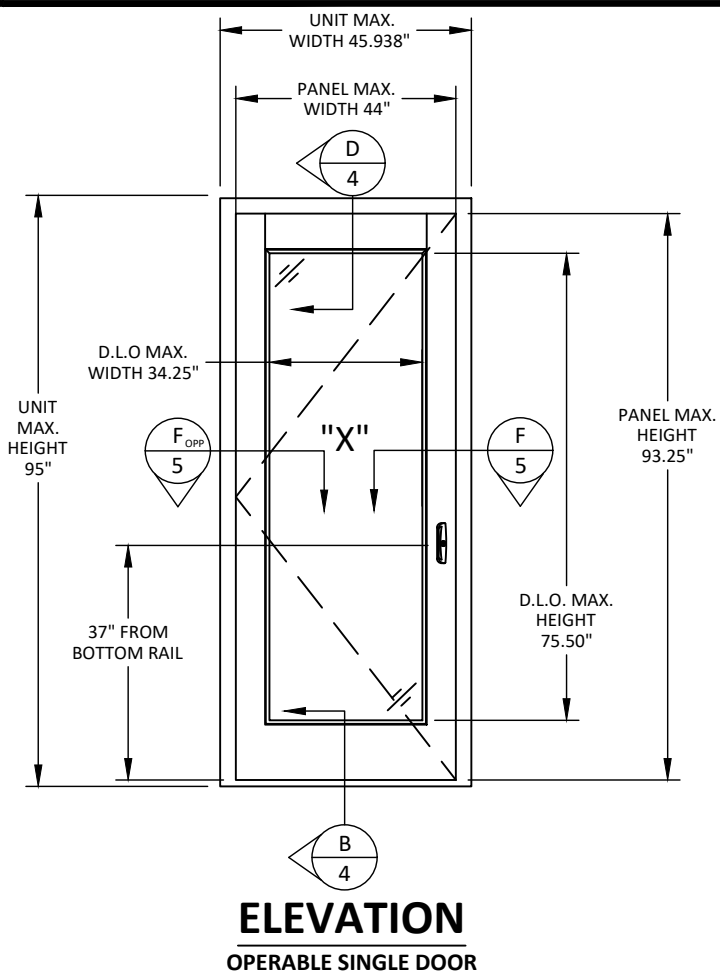
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Reason: I am approving this document  
Date: 2023.08.14 20:17:29 -0400'

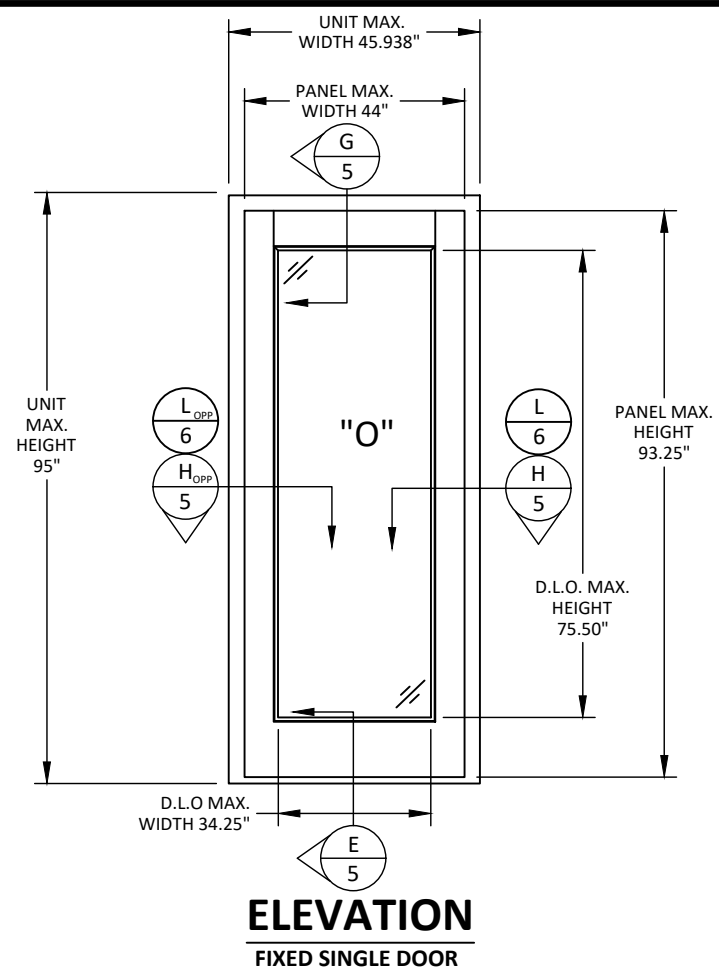


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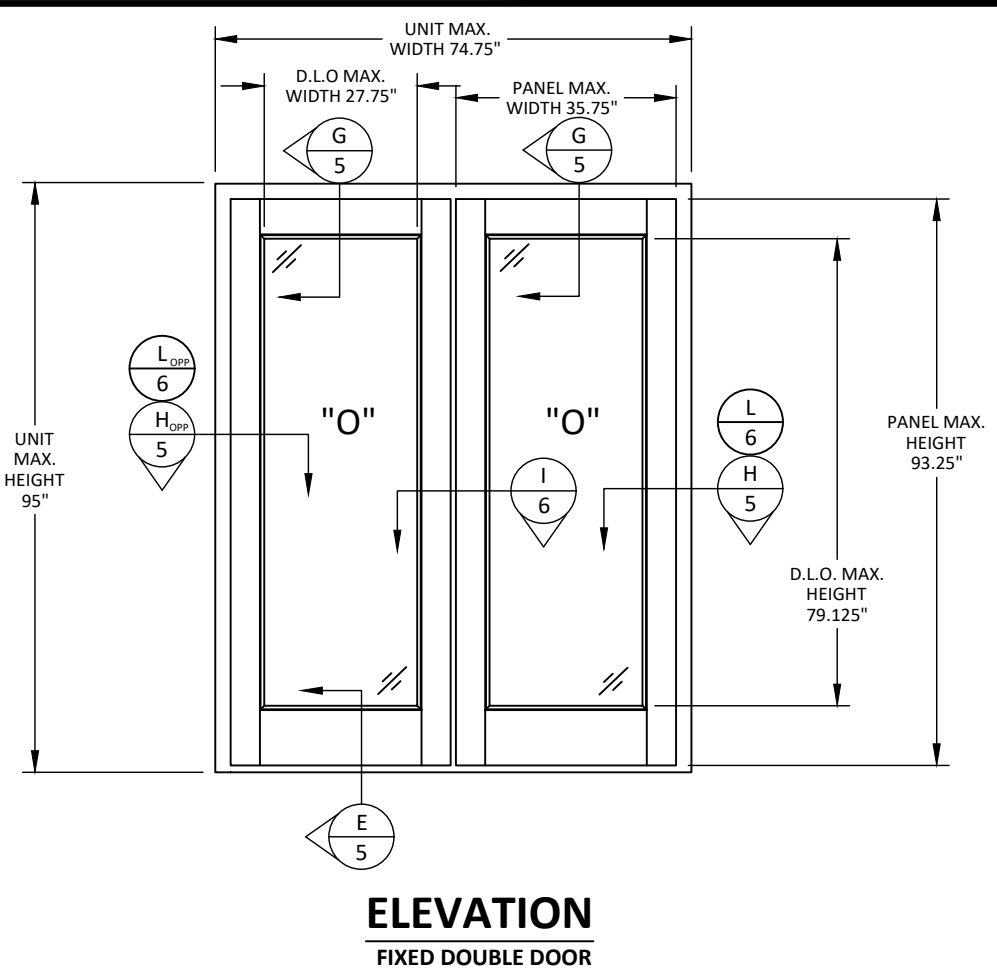
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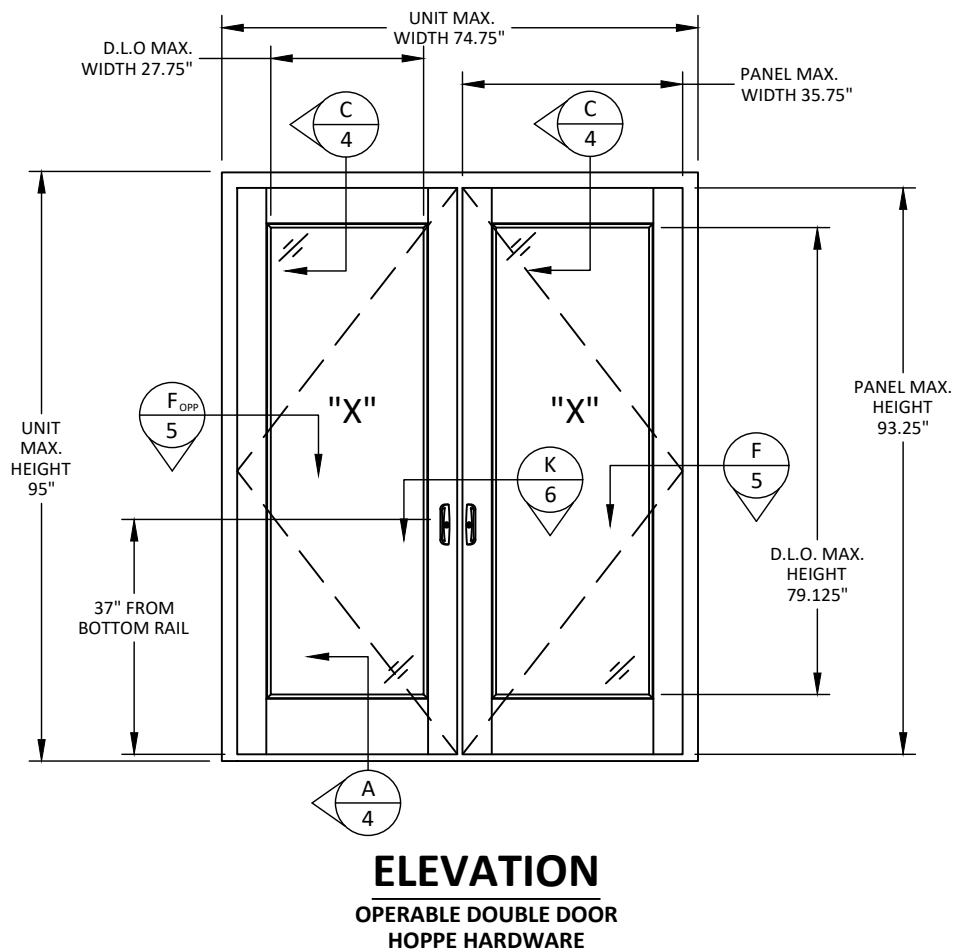
**ELEVATION**  
OPERABLE SINGLE DOOR



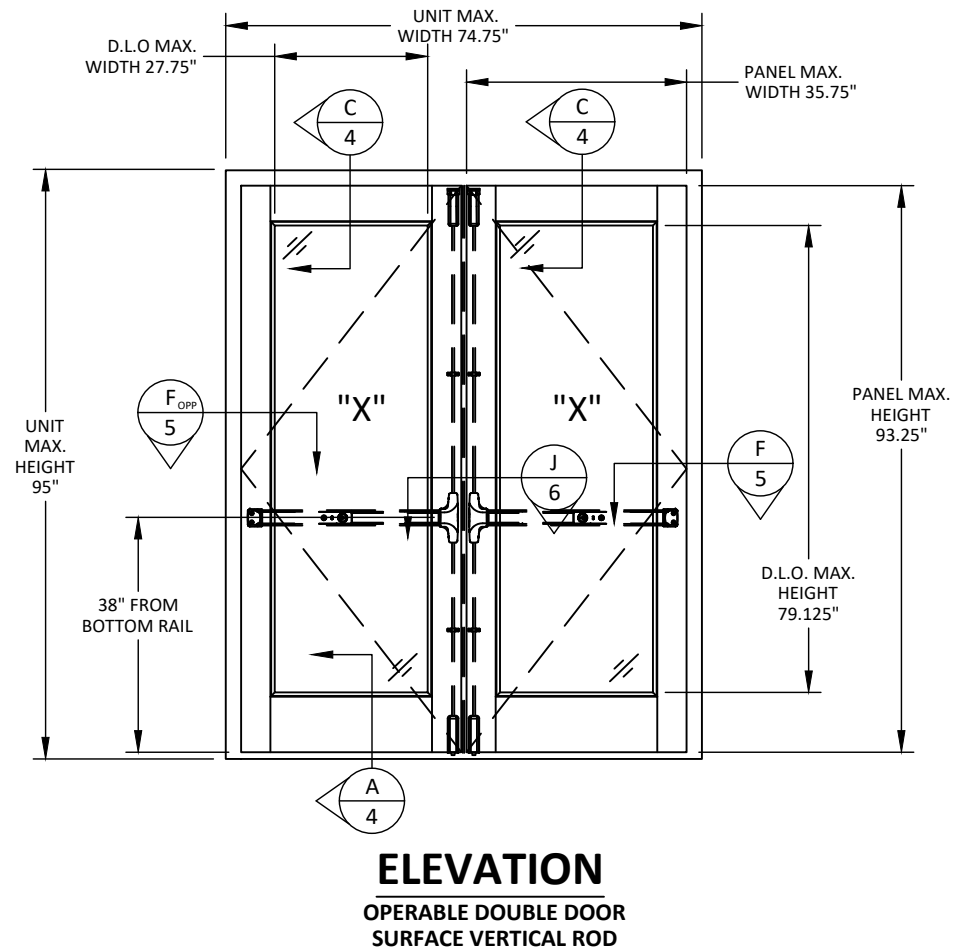
**ELEVATION**  
FIXED SINGLE DOOR



**ELEVATION**  
FIXED DOUBLE DOOR



**ELEVATION**  
OPERABLE DOUBLE DOOR  
HOPPE HARDWARE



**ELEVATION**  
OPERABLE DOUBLE DOOR  
SURFACE VERTICAL ROD

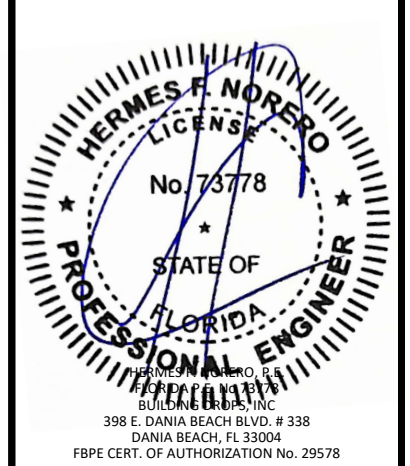


TITLE: ALUMINUM CLAD COMMERCIAL DOOR (NON-HVHZ) (NON-IMPACT) ELEVATIONS

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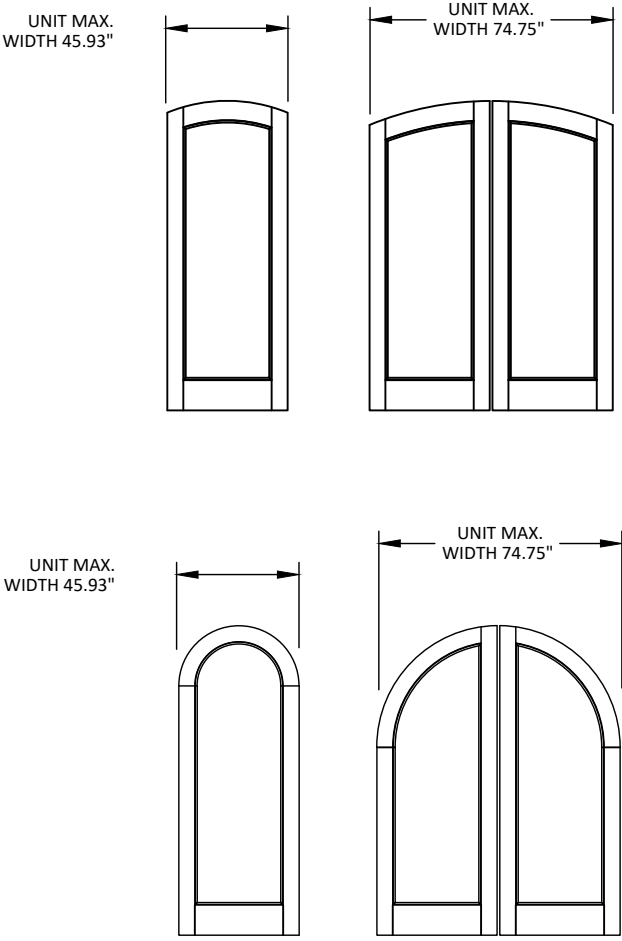
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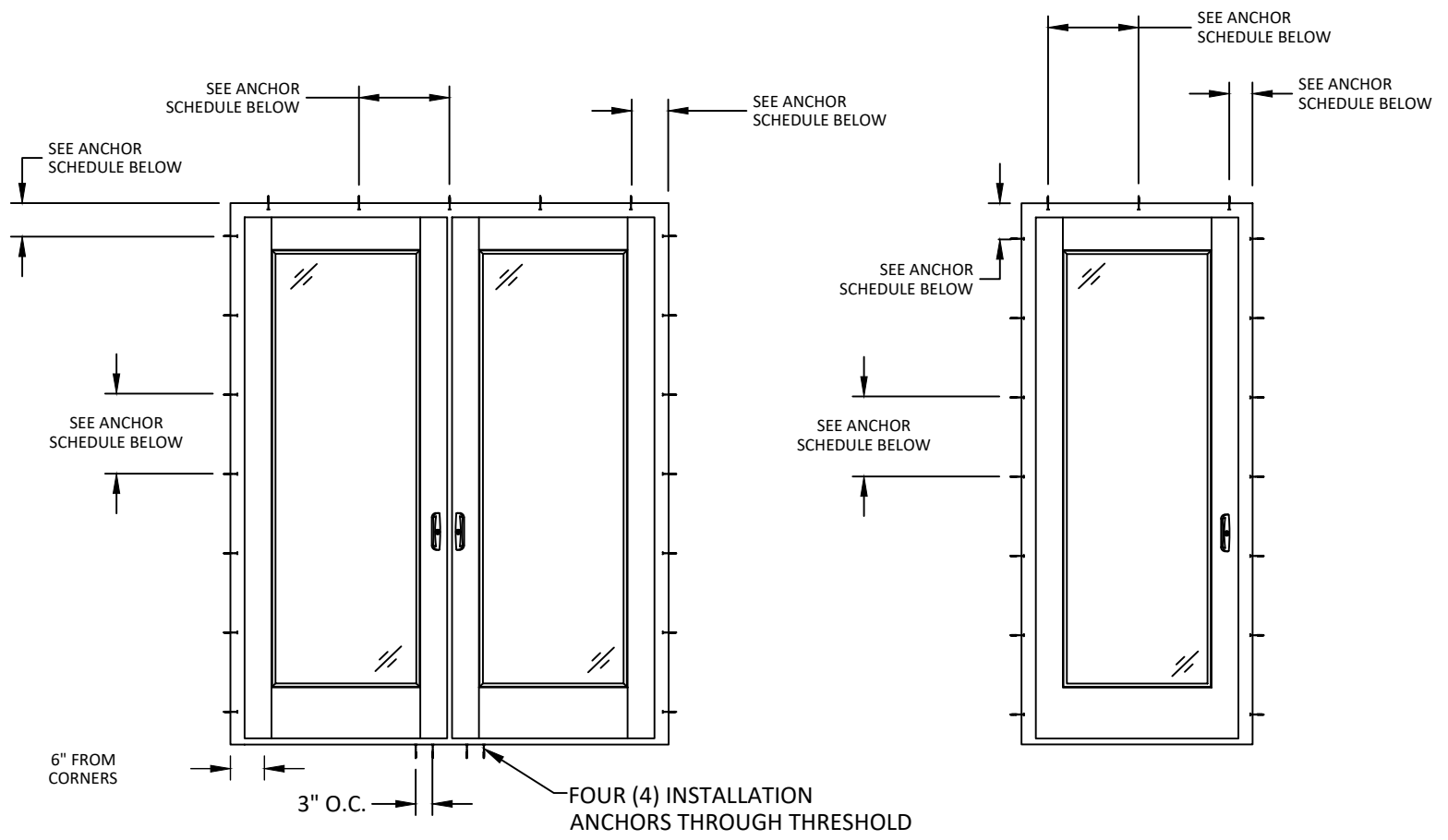
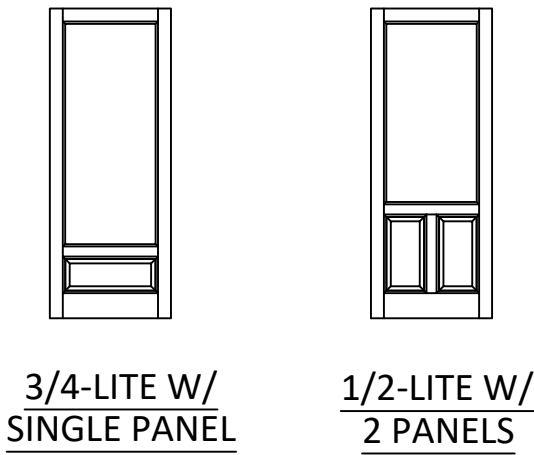
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SHEET:

ALTERNATE QUALIFIED SHAPES:  
FIXED OR OPERABLE



PANEL CONFIGURATIONS:



ANCHOR LAYOUT  
FIXED OR OPERABLE

ANCHOR LAYOUT  
FIXED OR OPERABLE

| ANCHOR SCHEDULE                 |                   |                  |                   |                                                       |                 |                     |                          |                          |                       |
|---------------------------------|-------------------|------------------|-------------------|-------------------------------------------------------|-----------------|---------------------|--------------------------|--------------------------|-----------------------|
| LOCATION                        |                   | QTY PER LOCATION | SUBSTRATE         | ANCHOR TYPE                                           | EMBEDMENT (IN.) | EDGE DISTANCE (IN.) | HEAD O.C. DISTANCE (IN.) | JAMB O.C. DISTANCE (IN.) | CORNER DISTANCE (IN.) |
| THRU FRAME                      |                   | 1                | WOOD              | #10 WOOD ANCHOR                                       | 1.50            | 0.75                | 20                       | 24                       | 6                     |
| THRU FRAME                      |                   | 1                | CONCRETE/ MASONRY | 3/16" ITW TAPCON                                      | 1.25            | 1.50                | 20                       | 24                       | 6                     |
| THRU FRAME                      |                   | 1                | METAL STUD        | #10 SELF-TAPPING SCREW                                | 3 THREADS       | 0.75                | 20                       | 24                       | 6                     |
| INSTALLATION CLIP & NAILING FIN | INSTALLATION CLIP | 1                | WOOD              | #10 WOOD ANCHOR                                       | 1.50            | 0.75                | 20                       | 24                       | 6                     |
|                                 | NAIL FIN          | 1                | WOOD              | #8 WOOD ANCHOR OR 11 GAUGE ROOFING OR 10D COMMON NAIL | 1.50            | 0.75                | 10                       | 10                       | 4                     |
| INSTALLATION CLIP & NAILING FIN | INSTALLATION CLIP | 1                | METAL STUD        | #10 SELF-TAPPING SCREW                                | 3 THREADS       | 0.75                | 20                       | 24                       | 6                     |
|                                 | NAIL FIN          | 1                | METAL STUD        | #8 SELF-TAPPING SCREW                                 | 3 THREADS       | 0.75                | 10                       | 10                       | 4                     |

NOTES:

- 1) NAIL FIN AND INSTALLATION CLIPS MUST BE INSTALLED SIMULTANEOUSLY.
- 2) ANCHOR SCHEDULE APPLIES TO ALL CONFIGURATIONS.
- 3) CONFIGURATIONS MAY BE COMBINATIONS OF FIXED OR OPERABLE PANELS.
- 4) ADDITIONAL ANCHORAGE IS REQUIRED FOR MULLED CONFIGURATIONS. REFER TO SHEET 7 FOR DETAILS.



**ANDERSEN**  
WINDOWS & DOORS

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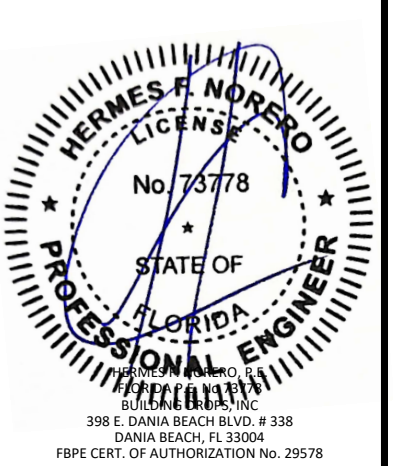
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ALUMINUM CLAD COMMERCIAL DOOR  
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QUALIFIED SHAPES & ANCHOR LAYOUTS

PREPARED BY:  
**BUILDING DROPS, INC.**  
398 E. DANIA BEACH BLVD., STE. 338  
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HERMES F. NORERO  
LICENSE  
No. 73778  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER

HERMES F. NORERO, P.E.  
BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD. # 338  
DANIA BEACH, FL 33004  
FBPE CERT. OF AUTHORIZATION No. 29578

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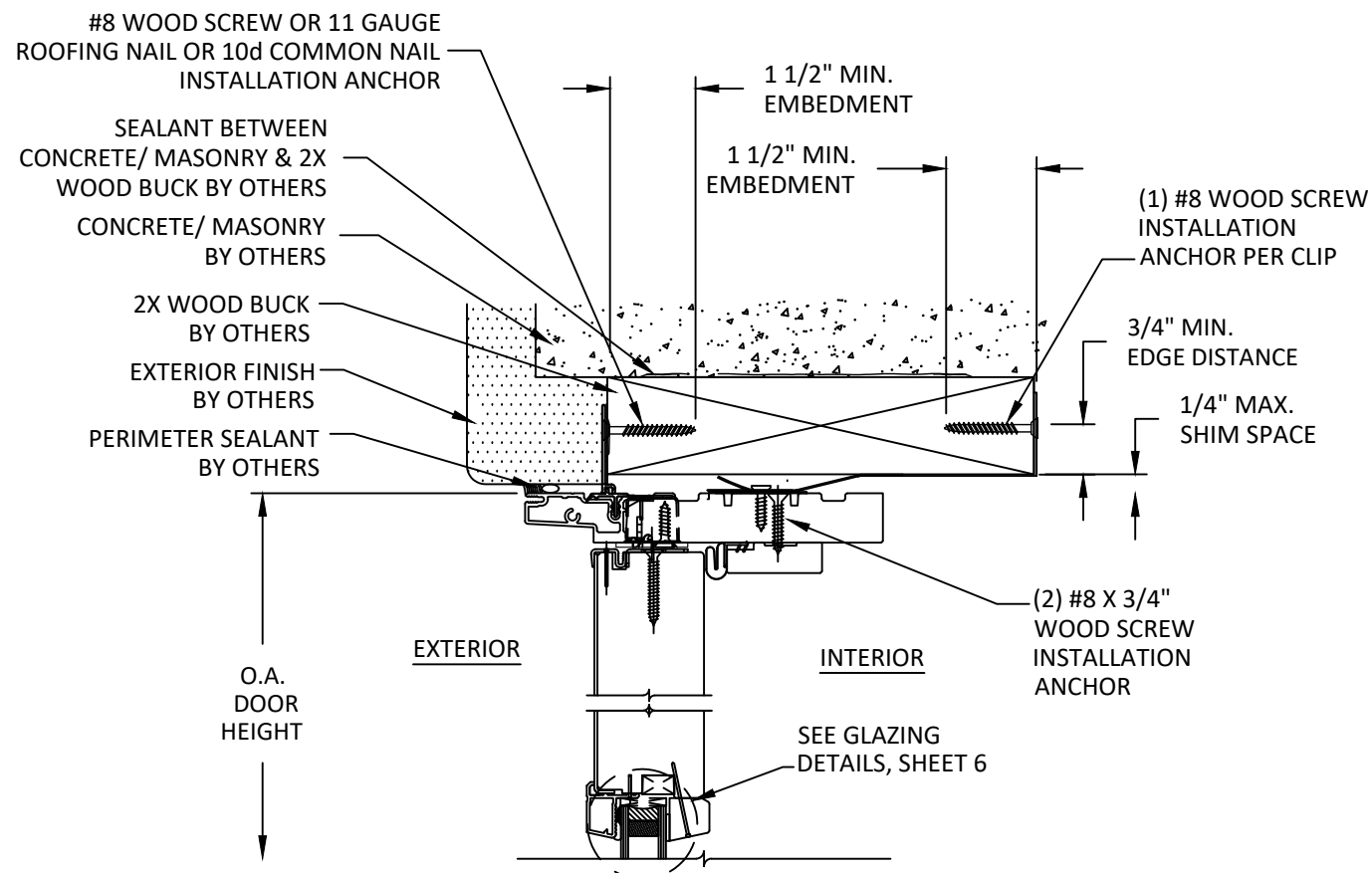
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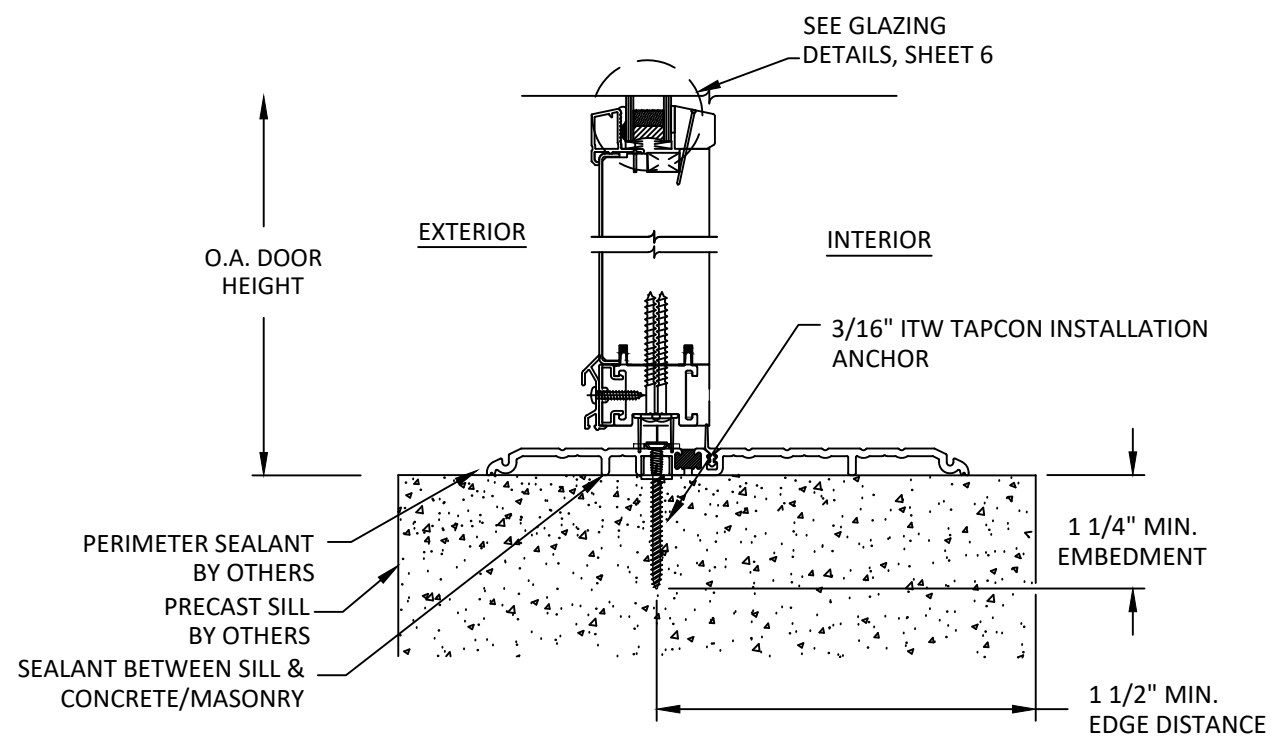
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**3**  
OF 10

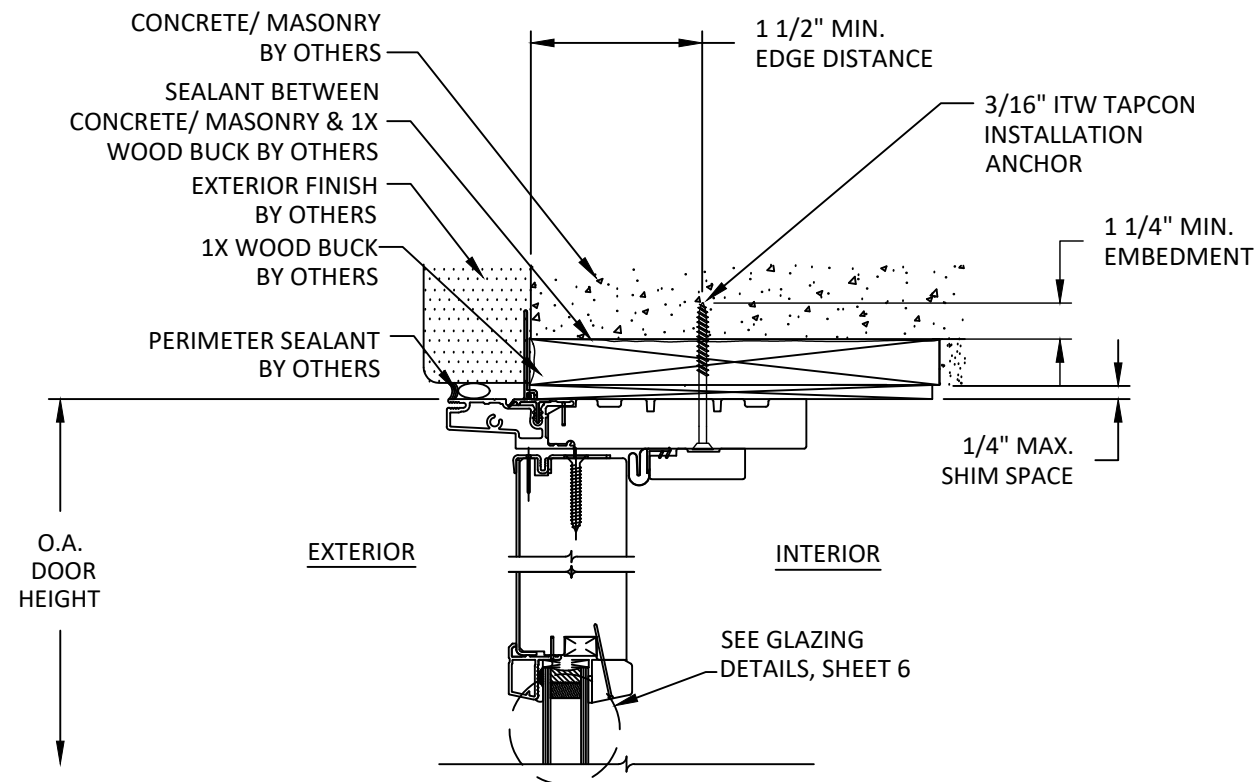
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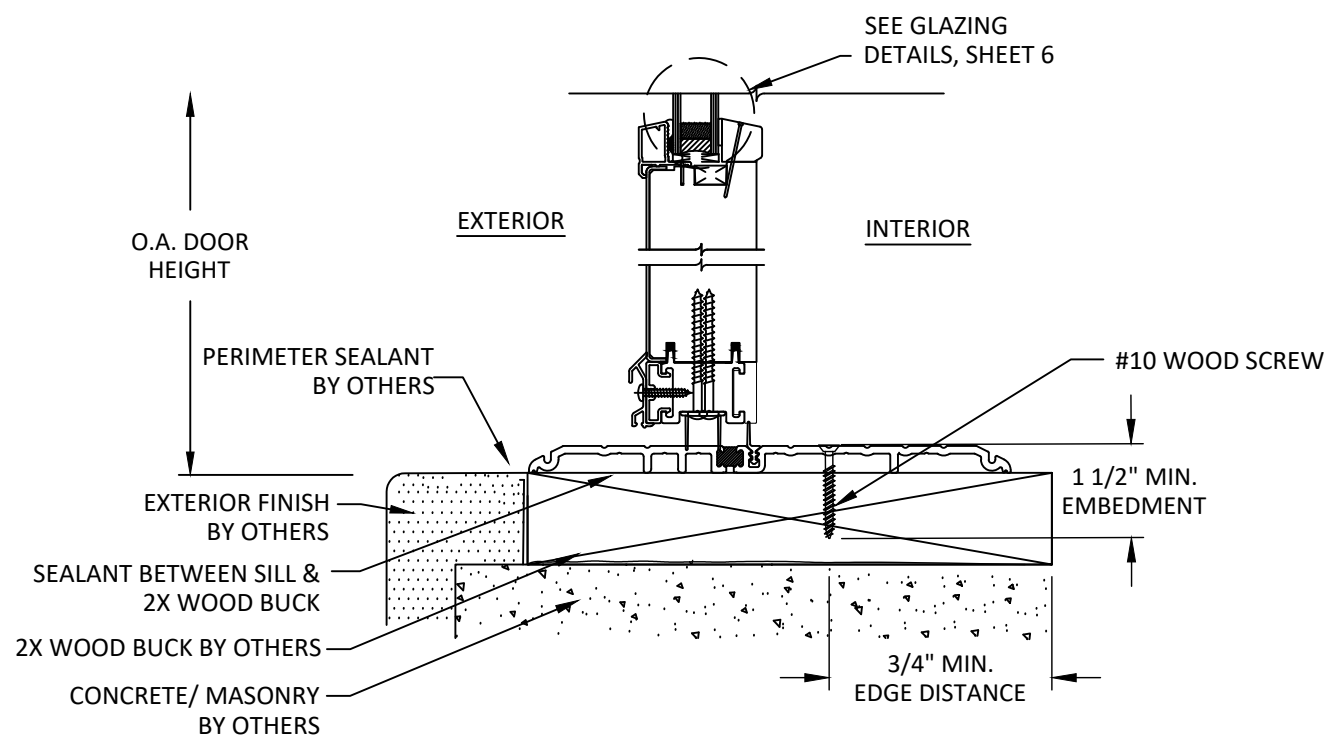
**C**  
**4** **VERTICAL SECTION**  
HEAD - 2X WOOD CONCRETE/MASONRY  
OPERABLE DOUBLE DOOR



**A**  
**4** **VERTICAL SECTION**  
SILL - CONCRETE SLAB  
OPERABLE DOUBLE DOOR



**D**  
**4** **VERTICAL SECTION**  
HEAD - 1X WOOD/CONCRETE/MASONRY  
OPERABLE SINGLE DOOR



**B**  
**4** **VERTICAL SECTION**  
SILL - 2X WOOD/CONCRETE/MASONRY  
OPERABLE SINGLE DOOR



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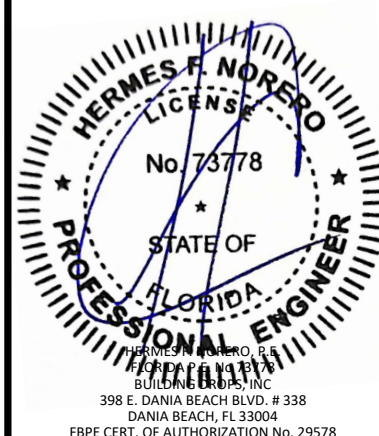
VERTICAL SECTIONS

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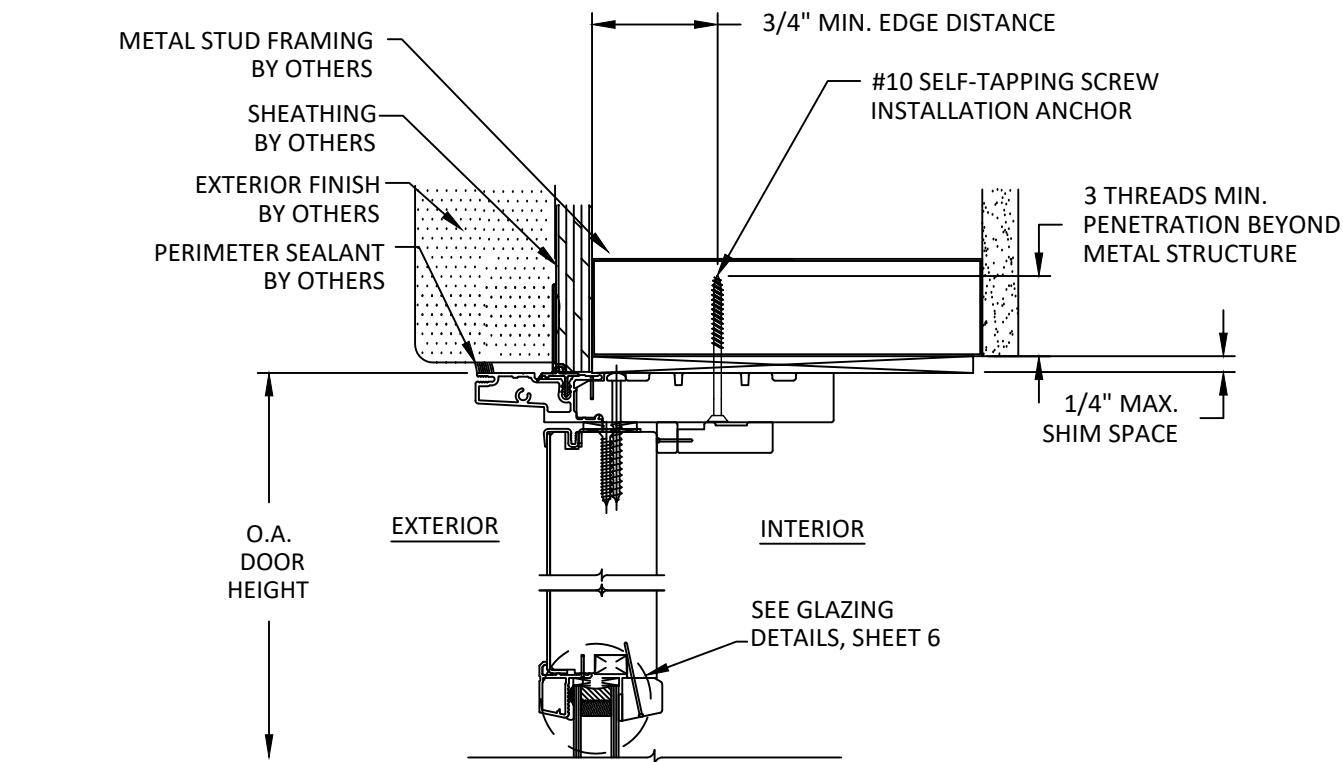
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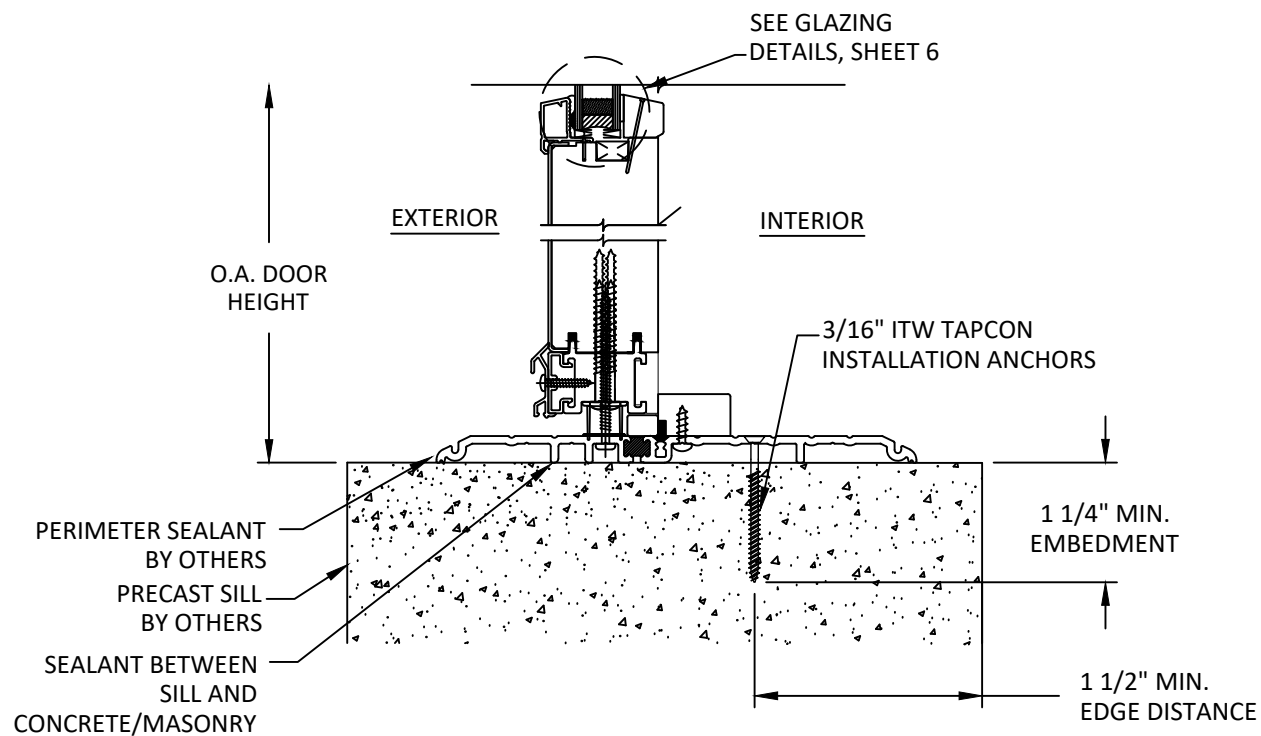
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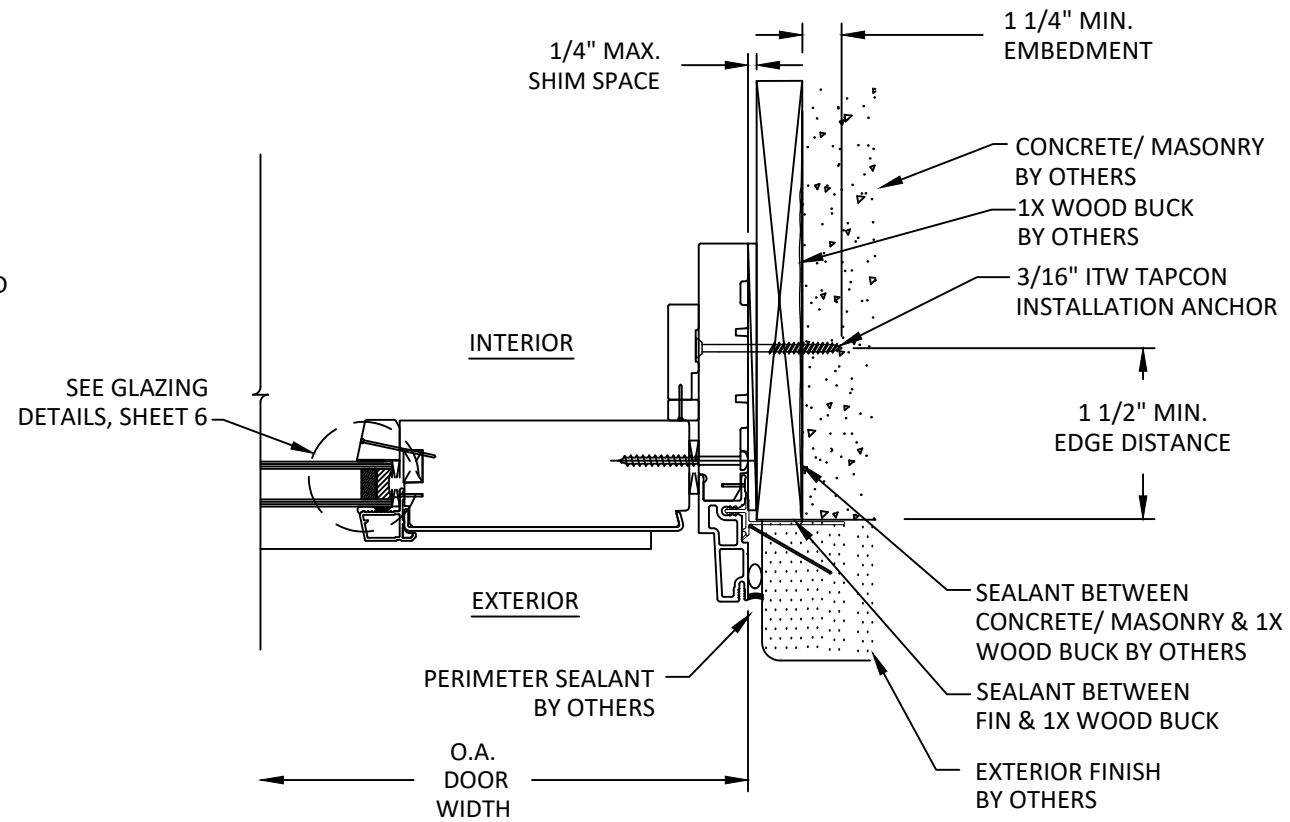
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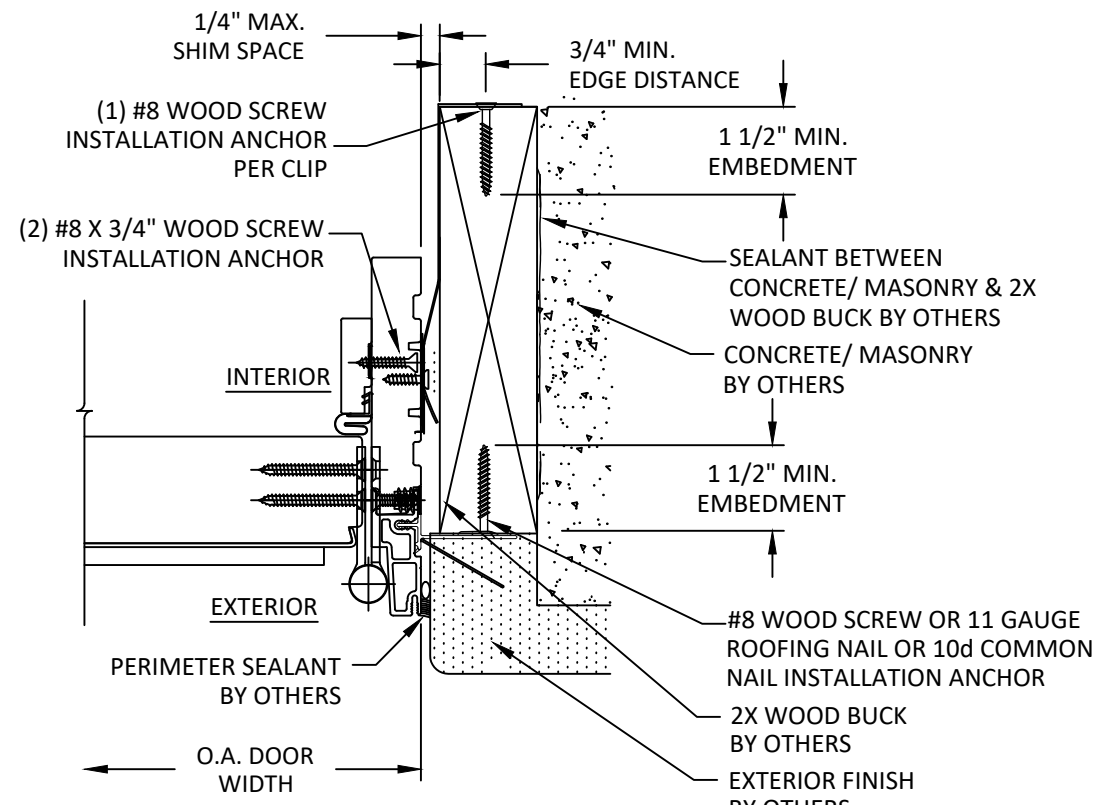
**G**  
**5** **VERTICAL SECTION**  
HEAD - METAL STUD  
FIXED DOOR



**E**  
**5** **VERTICAL SECTION**  
SILL - CONCRETE SLAB  
FIXED DOOR



**H**  
**5** **HORIZONTAL SECTION**  
JAMB - 1X WOOD/CONCRETE/MASONRY  
THROUGH FRAME - FIXED



**F**  
**5** **HORIZONTAL SECTION**  
JAMB - 2X WOOD FRAME  
NAIL FIN & INSTALLATION CLIP - OPERABLE



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TITLE:  
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VERTICAL & HORIZONTAL SECTION

PREPARED BY:  
BUILDING DROPS, INC.

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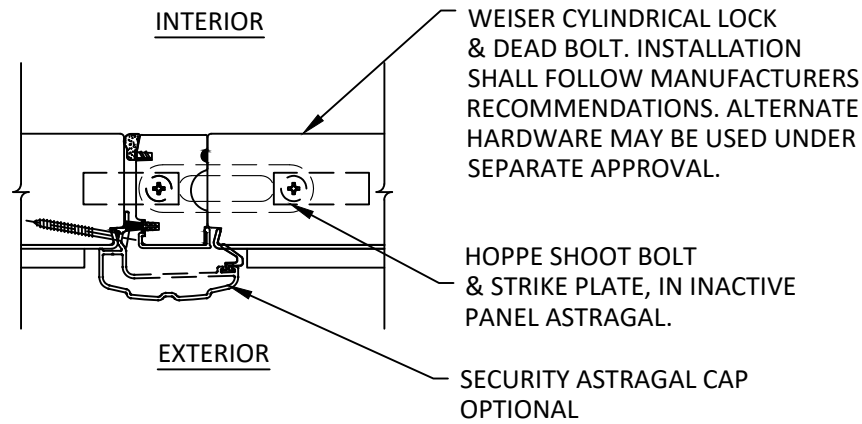
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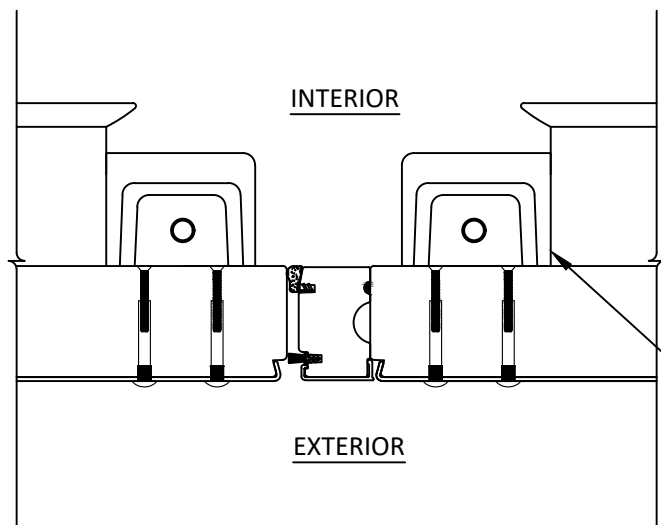
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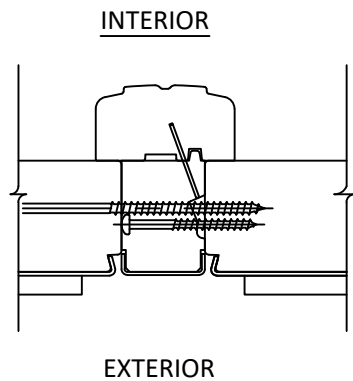
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**K**  
**6** **HORIZONTAL SECTION**  
OPERABLE HOPPE HARDWARE

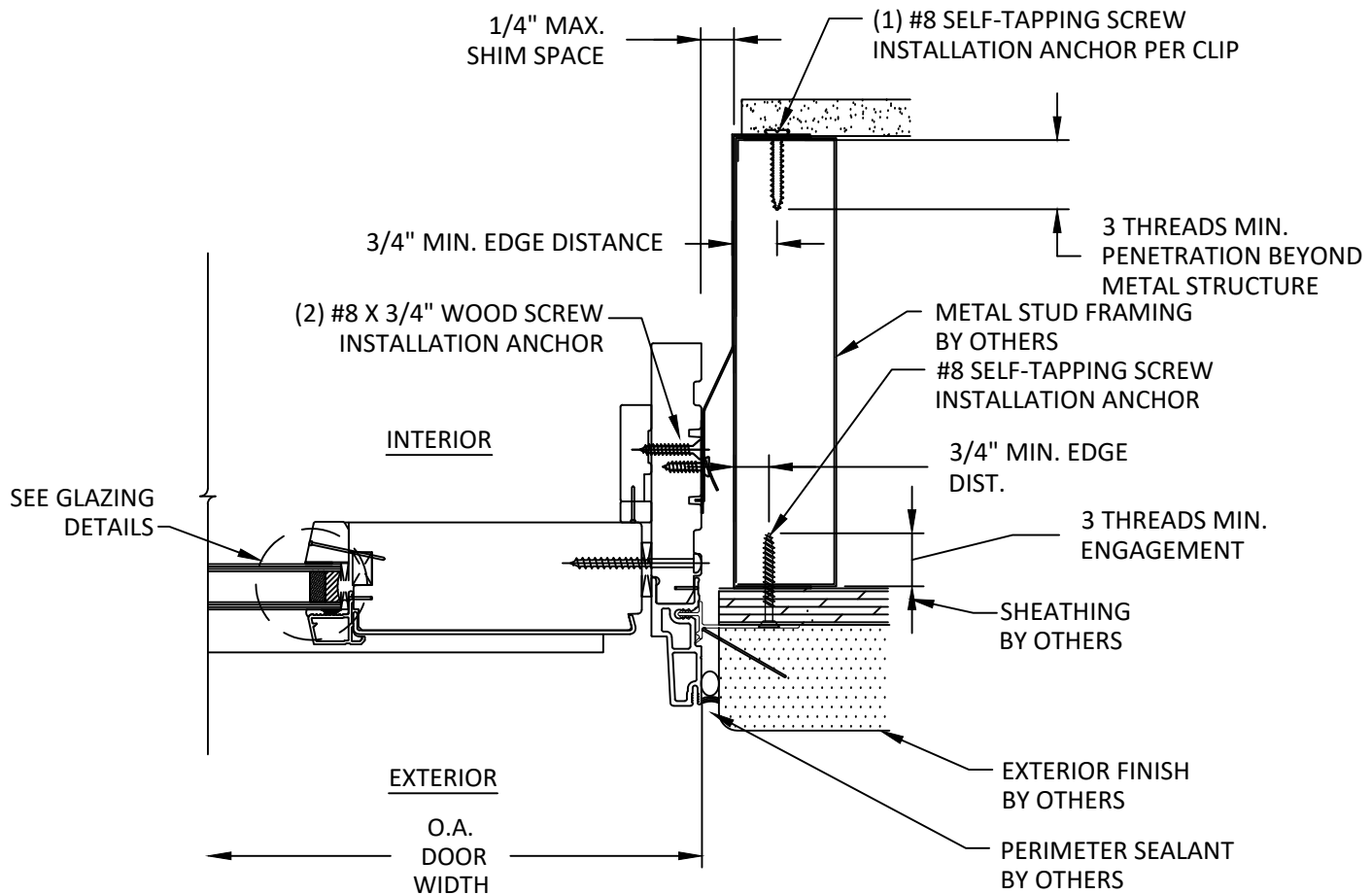


**J**  
**6** **HORIZONTAL SECTION**  
OPERABLE PANIC EXIT DEVICE



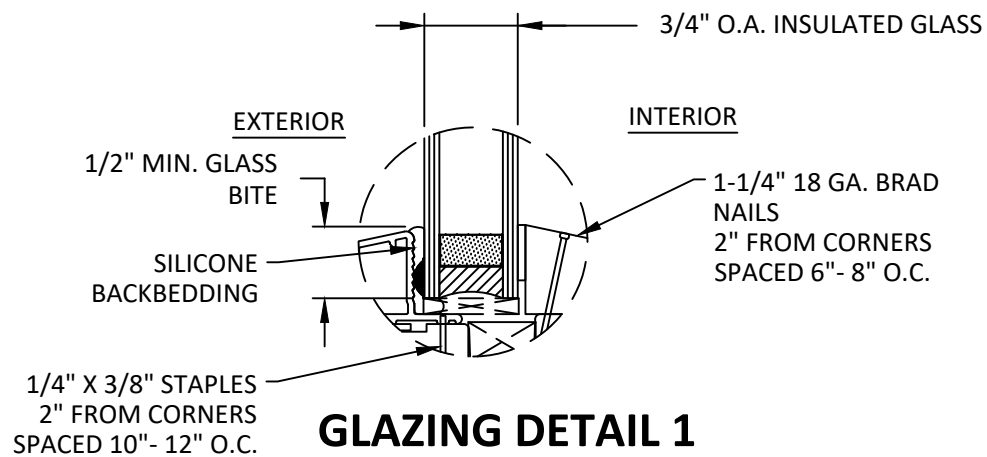
**I**  
**6** **HORIZONTAL SECTION**  
FIXED / FIXED

VON DUPRIN 2227 SURFACE VERTICAL ROD PANIC EXIT DEVICE. ALTERNATE HARDWARE MAY BE USED UNDER SEPARATE APPROVAL. INSTALLERS SHALL FOLLOW MANUFACTURERS RECOMMENDATIONS FOR INSTALLATION. SEE SHEET 10 FOR TYPICAL STRIKE INSTALLATION DETAILS

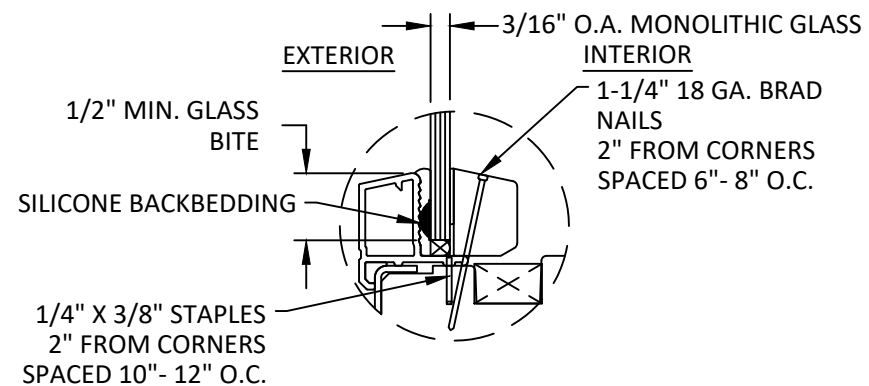


**L**  
**6** **HORIZONTAL SECTION**  
JAMB - METAL STUD FRAME  
NAIL FIN & INSTALLATION CLIP - FIXED

- GLAZING NOTES:
1. GLAZING SHALL COMPLY WITH ASTM E1300 AND FBC SAFETY GLAZING REQUIREMENTS.
  2. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN CHAPTER 24.
  3. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER CHAPTER 24.
  4. D.L.O. MAY NOT EXCEED MAX DIMENSIONS SHOWN ON ELEVATIONS.



**GLAZING DETAIL 1**  
INSULATED GLASS



**GLAZING DETAIL 2**  
ALTERNATE MONOLITHIC GLASS



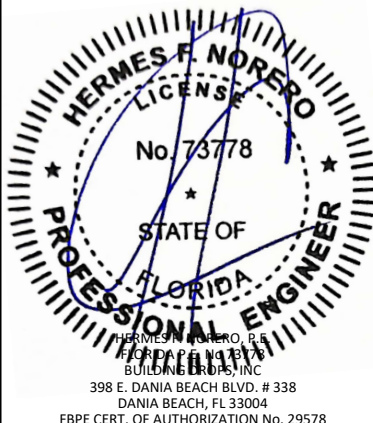
100 FOURTH AVE NORTH  
BAYPORT, MN 55003-1096  
PH: (651) 264-5150 FX: (651) 264-5485

TITLE:  
ALUMINUM CLAD COMMERCIAL DOOR  
(NON-HVHZ) (NON-IMPACT)  
HORIZONTAL SECTIONS &  
GLAZING DETAILS

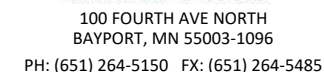
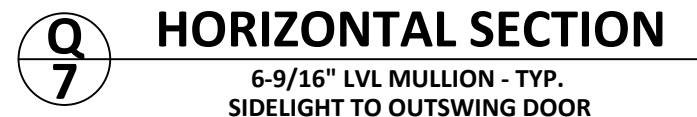
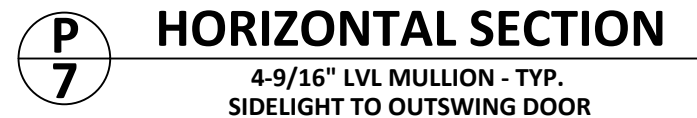
PREPARED BY:  
BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD., STE. 338  
DANIA BEACH, FL 33004  
PH: (954) 399-8478  
FAX: (954) 744-4738  
WEB: www.buildingdrops.com

| REMARKS             | BY | DATE    |
|---------------------|----|---------|
| 8TH FBC CODE CHANGE | OL | 5.24.23 |
|                     |    |         |
|                     |    |         |
|                     |    |         |

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 PERFORM SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



|          |          |
|----------|----------|
| FL #:    | FL14326  |
| DATE:    | 08.15.17 |
| DWG. BY: | CL       |
| CHK. BY: | HFN      |
| SCALE:   | NTS      |
| DWG. #:  | AWD131   |
| SHEET:   | 6        |

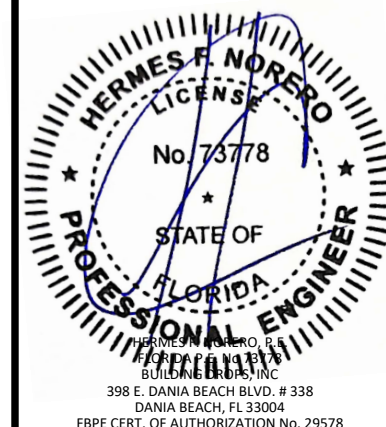


PREPARED BY:

**BUILDING DROPS, INC.**  
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| REMARKS             | BY | DATE    |
|---------------------|----|---------|
| 8TH FBC CODE CHANGE | OL | 5.24.23 |
|                     |    |         |
|                     |    |         |
|                     |    |         |

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FL #: **FL14326**

DATE: 08.15.17

|                       |                        |
|-----------------------|------------------------|
| DWG. BY:<br><b>CL</b> | CHK. BY:<br><b>HFN</b> |
|-----------------------|------------------------|

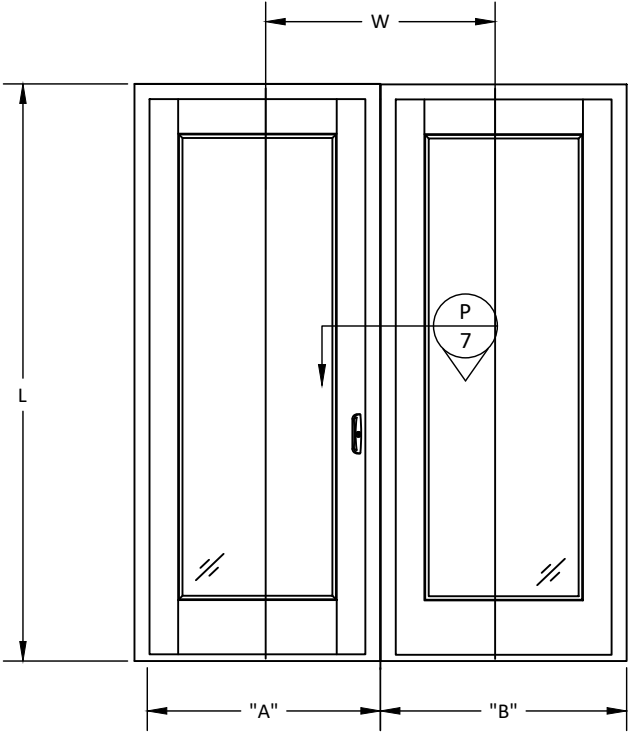
SCALE: NTS

DWG. #: AWD131

SHEET:

| 4-9/16" LVL Mullion - One Way Load Table |     |                    |        |        |        |        |        |        |        |        |        |       |       |       |       |       |       |       |
|------------------------------------------|-----|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| TRIBUTARY WIDTH = A+B/2                  | 124 | 100.00             | 100.00 | 100.00 | 91.36  | 73.59  | 59.94  | 49.31  | 40.94  | 34.27  | 28.91  | 24.55 | 20.99 | -     | -     | -     | -     | -     |
|                                          | 120 | 100.00             | 100.00 | 100.00 | 91.36  | 73.59  | 59.94  | 49.31  | 40.94  | 34.27  | 28.91  | 24.55 | 20.99 | -     | -     | -     | -     | -     |
|                                          | 116 | 100.00             | 100.00 | 100.00 | 91.36  | 73.59  | 59.94  | 49.31  | 40.94  | 34.27  | 28.91  | 24.55 | 20.99 | -     | -     | -     | -     | -     |
|                                          | 112 | 100.00             | 100.00 | 100.00 | 91.36  | 73.59  | 59.94  | 49.31  | 40.94  | 34.27  | 28.91  | 24.55 | 20.99 | -     | -     | -     | -     | -     |
|                                          | 108 | 100.00             | 100.00 | 100.00 | 91.36  | 73.59  | 59.94  | 49.31  | 40.94  | 34.27  | 28.91  | 24.55 | 20.99 | -     | -     | -     | -     | -     |
|                                          | 104 | 100.00             | 100.00 | 100.00 | 91.36  | 73.59  | 59.94  | 49.31  | 40.94  | 34.27  | 28.91  | 24.55 | 20.99 | -     | -     | -     | -     | -     |
|                                          | 100 | 100.00             | 100.00 | 100.00 | 91.36  | 73.59  | 59.94  | 49.31  | 40.94  | 34.27  | 28.91  | 24.55 | 21.02 | -     | -     | -     | -     | -     |
|                                          | 96  | 100.00             | 100.00 | 100.00 | 91.36  | 73.59  | 59.94  | 49.31  | 40.94  | 34.27  | 28.91  | 24.60 | 21.14 | -     | -     | -     | -     | -     |
|                                          | 92  | 100.00             | 100.00 | 100.00 | 91.36  | 73.59  | 59.94  | 49.31  | 40.94  | 34.27  | 28.97  | 24.75 | 21.34 | -     | -     | -     | -     | -     |
|                                          | 88  | 100.00             | 100.00 | 100.00 | 91.36  | 73.59  | 59.94  | 49.31  | 40.94  | 34.35  | 29.16  | 25.00 | 21.62 | -     | -     | -     | -     | -     |
|                                          | 84  | 100.00             | 100.00 | 100.00 | 91.36  | 73.59  | 59.94  | 49.31  | 41.04  | 34.60  | 29.48  | 25.36 | 21.99 | -     | -     | -     | -     | -     |
|                                          | 80  | 100.00             | 100.00 | 100.00 | 91.36  | 73.59  | 59.94  | 49.45  | 41.37  | 35.01  | 29.94  | 25.83 | 22.46 | -     | -     | -     | -     | -     |
|                                          | 76  | 100.00             | 100.00 | 100.00 | 91.36  | 73.59  | 60.13  | 49.88  | 41.91  | 35.61  | 30.55  | 26.43 | 23.04 | 20.22 | -     | -     | -     | -     |
|                                          | 72  | 100.00             | 100.00 | 100.00 | 91.36  | 73.84  | 60.70  | 50.60  | 42.69  | 36.40  | 31.32  | 27.16 | 23.73 | 20.87 | -     | -     | -     | -     |
|                                          | 68  | 100.00             | 100.00 | 100.00 | 91.71  | 74.62  | 61.66  | 51.63  | 43.73  | 37.40  | 32.27  | 28.06 | 24.56 | 21.64 | -     | -     | -     | -     |
|                                          | 64  | 100.00             | 100.00 | 100.00 | 92.78  | 75.94  | 63.06  | 53.02  | 45.05  | 38.65  | 33.43  | 29.13 | 25.55 | 22.54 | 20.00 | -     | -     | -     |
|                                          | 60  | 100.00             | 100.00 | 100.00 | 94.62  | 77.86  | 64.94  | 54.80  | 46.71  | 40.17  | 34.83  | 30.41 | 26.72 | 23.61 | 20.98 | -     | -     | -     |
|                                          | 56  | 100.00             | 100.00 | 100.00 | 97.29  | 80.44  | 67.36  | 57.03  | 48.75  | 42.03  | 36.51  | 31.94 | 28.11 | 24.88 | 22.13 | -     | -     | -     |
|                                          | 52  | 100.00             | 100.00 | 100.00 | 100.00 | 83.79  | 70.41  | 59.80  | 51.25  | 44.28  | 38.54  | 33.77 | 29.76 | 26.38 | 23.49 | 21.01 | -     | -     |
|                                          | 48  | 100.00             | 100.00 | 100.00 | 100.00 | 88.06  | 74.24  | 63.22  | 54.31  | 47.02  | 41.00  | 35.97 | 31.75 | 28.17 | 25.11 | 22.49 | 20.22 | -     |
|                                          | 44  | 100.00             | 100.00 | 100.00 | 100.00 | 93.46  | 79.02  | 67.45  | 58.06  | 50.36  | 43.98  | 38.64 | 34.15 | 30.33 | 27.06 | 24.25 | 21.82 | -     |
|                                          | 40  | 100.00             | 100.00 | 100.00 | 100.00 | 100.00 | 85.01  | 72.72  | 62.72  | 54.49  | 47.65  | 41.92 | 37.08 | 32.97 | 29.44 | 26.41 | 23.78 | 21.49 |
|                                          | 36  | 100.00             | 100.00 | 100.00 | 100.00 | 100.00 | 92.59  | 79.36  | 68.56  | 59.65  | 52.23  | 46.00 | 40.73 | 36.24 | 32.39 | 29.07 | 26.19 | 23.68 |
|                                          | 32  | 100.00             | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 87.87  | 76.02  | 66.22  | 58.05  | 51.18 | 45.35 | 40.38 | 36.12 | 32.44 | 29.24 | 26.45 |
|                                          | 28  | 100.00             | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 99.03  | 85.78  | 74.81  | 65.64  | 57.92 | 51.37 | 45.77 | 40.96 | 36.80 | 33.19 | 30.04 |
|                                          | 24  | 100.00             | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 98.99  | 86.41  | 75.88  | 67.00 | 59.46 | 53.01 | 47.47 | 42.67 | 38.50 | 34.86 |
|                                          | 20  | 100.00             | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 90.36  | 79.83 | 70.89 | 63.23 | 56.64 | 50.94 | 45.97 | 41.64 |
|                                          | 16  | 100.00             | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 99.22 | 88.13 | 78.65 | 70.47 | 63.40 | 57.24 | 51.85 |
|                                          |     | 60                 | 64     | 68     | 72     | 76     | 80     | 84     | 88     | 92     | 96     | 100   | 104   | 108   | 112   | 116   | 120   | 124   |
|                                          |     | L - Mullion Length |        |        |        |        |        |        |        |        |        |       |       |       |       |       |       |       |

- NOTE:
- MULLION CHART APPLIES TO 4-9/16" LVL MULLION ASSEMBLIES WHEN MULLED IN ONE-WAY, STACK OR RIBBON, CONFIGURATIONS.
  - UNITS MAY BE MULLED IN TYPICAL CONFIGURATIONS INCLUDING THOSE SHOWN IN ELEVATIONS A AT RIGHT.
  - DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
  - MULLION ASSEMBLY HAS BEEN EVALUATED IN ACCORDANCE WITH FBC SECTION 1709.8 & MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/180.
  - DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT SIDELIGHT SHALL BE UNDER SEPARATE APPROVAL
  - TRIBUTARY WIDTH = W = (A+B)/2
  - REFER TO DETAILS N/7 AND O/7 FOR PROPER INSTALLATION OF MULLION TO THE ROUGH OPENING.



ELEVATION A

**ANDERSEN**  
WINDOWS & DOORS  
100 FOURTH AVE NORTH  
BAYPORT, MN 55003-1096  
PH: (651) 264-5150 FX: (651) 264-5485

TITLE:  
ALUMINUM CLAD COMMERCIAL DOOR  
(NON-HVHZ) (NON-IMPACT)  
4-9/16" LVL MULLION DP TABLES

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    |
| 8TH FBC CODE CHANGE | OL | 5.24.23 |
|                     |    |         |
|                     |    |         |
|                     |    |         |

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HERMES F. NORERO, P.E.  
398 E. DANIA BEACH BLVD. # 338  
DANIA BEACH, FL 33004  
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

**FL14326**

DATE: **08.15.17**

|                       |                        |
|-----------------------|------------------------|
| DWG. BY:<br><b>CL</b> | CHK. BY:<br><b>HFN</b> |
|-----------------------|------------------------|

SCALE: **NTS**

DWG. #: **AWD131**

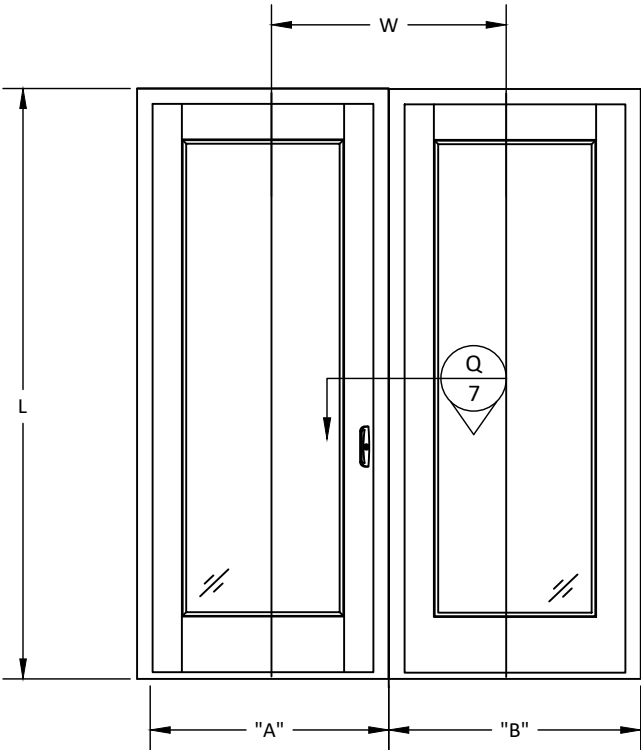
SHEET:

**8**

OF 10

|                         |     | 6-9/16" One Way Load Table |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|-------------------------|-----|----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                         |     | 124                        | 120    | 116    | 112    | 108    | 104    | 100    | 96     | 92     | 88     | 84     | 80     | 76     | 72     | 68     | 64     | 60     | 56     |
| TRIBUTARY WIDTH = A+B/2 | 124 | 100.00                     | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 96.13  | 86.76  | 78.69  | 71.70  | 65.60  | 60.25  | 55.53  | 47.77  | 41.08  | 35.52  | 30.86  |
|                         | 120 | 100.00                     | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 96.13  | 86.76  | 78.69  | 71.70  | 65.60  | 60.25  | 55.53  | 47.77  | 41.08  | 35.52  | 30.86  |
|                         | 116 | 100.00                     | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 96.13  | 86.76  | 78.69  | 71.70  | 65.60  | 60.25  | 55.53  | 47.77  | 41.08  | 35.52  | 30.86  |
|                         | 112 | 100.00                     | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 96.13  | 86.76  | 78.69  | 71.70  | 65.60  | 60.25  | 55.53  | 47.77  | 41.08  | 35.52  | 30.91  |
|                         | 108 | 100.00                     | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 96.13  | 86.76  | 78.69  | 71.70  | 65.60  | 60.25  | 55.53  | 47.77  | 41.08  | 35.57  | 31.05  |
|                         | 104 | 100.00                     | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 96.13  | 86.76  | 78.69  | 71.70  | 65.60  | 60.25  | 55.53  | 47.77  | 41.15  | 35.74  | 31.28  |
|                         | 100 | 100.00                     | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 96.13  | 86.76  | 78.69  | 71.70  | 65.60  | 60.25  | 55.53  | 47.86  | 41.36  | 36.03  | 31.61  |
|                         | 96  | 100.00                     | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 96.13  | 86.76  | 78.69  | 71.70  | 65.60  | 60.25  | 55.62  | 48.13  | 41.72  | 36.44  | 32.05  |
|                         | 92  | 100.00                     | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 96.13  | 86.76  | 78.69  | 71.70  | 65.60  | 60.35  | 55.88  | 48.58  | 42.23  | 36.98  | 32.59  |
|                         | 88  | 100.00                     | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 96.13  | 86.76  | 78.69  | 71.70  | 65.73  | 60.67  | 56.34  | 49.22  | 42.90  | 37.65  | 33.25  |
|                         | 84  | 100.00                     | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 96.13  | 86.76  | 78.69  | 71.85  | 66.10  | 61.21  | 56.99  | 50.06  | 43.75  | 38.48  | 34.05  |
|                         | 80  | 100.00                     | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 96.13  | 86.76  | 78.87  | 72.30  | 66.74  | 61.97  | 57.84  | 51.13  | 44.78  | 39.47  | 34.98  |
|                         | 76  | 100.00                     | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 96.13  | 86.98  | 79.41  | 73.06  | 67.65  | 62.98  | 58.92  | 52.44  | 46.02  | 40.64  | 36.08  |
|                         | 72  | 100.00                     | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 96.40  | 87.64  | 80.33  | 74.15  | 68.86  | 64.27  | 60.25  | 54.02  | 47.50  | 42.02  | 37.36  |
|                         | 68  | 100.00                     | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 97.21  | 88.76  | 81.66  | 75.61  | 70.39  | 65.85  | 61.86  | 55.91  | 49.25  | 43.63  | 38.85  |
|                         | 64  | 100.00                     | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 98.59  | 90.38  | 83.42  | 77.46  | 72.30  | 67.78  | 63.79  | 58.16  | 51.32  | 45.53  | 40.60  |
|                         | 60  | 100.00                     | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 92.54  | 85.69  | 79.78  | 74.63  | 70.11  | 66.10  | 60.82  | 53.75  | 47.75  | 42.63  | 38.22  |
|                         | 56  | 100.00                     | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 95.34  | 88.53  | 82.63  | 77.46  | 72.91  | 68.86  | 63.98  | 56.63  | 50.37  | 45.02  | 40.40  |
|                         | 52  | 100.00                     | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 98.87  | 92.05  | 86.11  | 80.90  | 76.27  | 72.15  | 67.75  | 60.04  | 53.47  | 47.83  | 42.97  |
|                         | 48  | 100.00                     | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 96.40  | 90.38  | 85.06  | 80.33  | 76.11  | 72.27  | 64.12  | 57.16  | 51.18  |
|                         | 44  | 100.00                     | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 95.60  | 90.14  | 85.27  | 80.90  | 76.95  | 69.04  | 61.60  | 55.21  | 49.68  |
|                         | 40  | 100.00                     | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 96.40  | 91.33  | 86.76  | 82.63  | 75.04  | 67.02  | 60.11  | 54.12  | 48.91  |
|                         | 36  | 100.00                     | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 98.87  | 94.05  | 89.67  | 82.49  | 73.73  | 66.17  | 59.62  | 53.91  | 48.91  |
|                         | 32  | 100.00                     | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 98.59  | 91.93  | 82.22  | 73.84  |
|                         | 28  | 100.00                     | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 93.24  | 83.78  | 75.56  |
|                         | 24  | 100.00                     | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 97.13  | 87.64  | 79.35  |
|                         | 20  | 100.00                     | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 94.78  |
|                         | 16  | 100.00                     | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
|                         |     | 60                         | 64     | 68     | 72     | 76     | 80     | 84     | 88     | 92     | 96     | 100    | 104    | 108    | 112    | 116    | 120    | 124    |        |
|                         |     | L - Mullion Length         |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |

- NOTE:
- 1) MULLION CHART APPLIES TO 6-9/16" LVL MULLION ASSEMBLIES WHEN MULLED IN ONE-WAY, STACK OR RIBBON, CONFIGURATIONS.
  - 2) UNITS MAY BE MULLED IN TYPICAL CONFIGURATIONS INCLUDING THOSE SHOWN IN ELEVATIONS A AT RIGHT.
  - 3) DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
    - 4) MULLION ASSEMBLY HAS BEEN EVALUATED IN ACCORDANCE WITH FBC SECTION 1709.8 & MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/180.
  - 5) DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT SIDELIGHT SHALL BE UNDER SEPARATE APPROVAL
  - 6) TRIBUTARY WIDTH = W = (A+B)/2
  - 7) REFER TO DETAILS N/7 AND O/7 FOR PROPER INSTALLATION OF MULLION TO THE ROUGH OPENING.



ELEVATION A

**ANDERSEN**  
WINDOWS & DOORS  
100 FOURTH AVE NORTH  
BAYPORT, MN 55003-1096  
PH: (651) 264-5150 FX: (651) 264-5485

TITLE:  
ALUMINUM CLAD COMMERCIAL DOOR  
(NON-HVHZ) (NON-IMPACT)  
6-9/16" LVL MULLION DP TABLES

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

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| REMARKS             | BY | DATE    |
| 8TH FBC CODE CHANGE | OL | 5.24.23 |
|                     |    |         |
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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 PERFORM SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.

HERMES F. NORERO, P.E.  
398 E. DANIA BEACH BLVD. # 338  
DANIA BEACH, FL 33004  
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL14326

DATE: 08.15.17

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| DWG. BY:<br>CL | CHK. BY:<br>HFN |
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SCALE: NTS

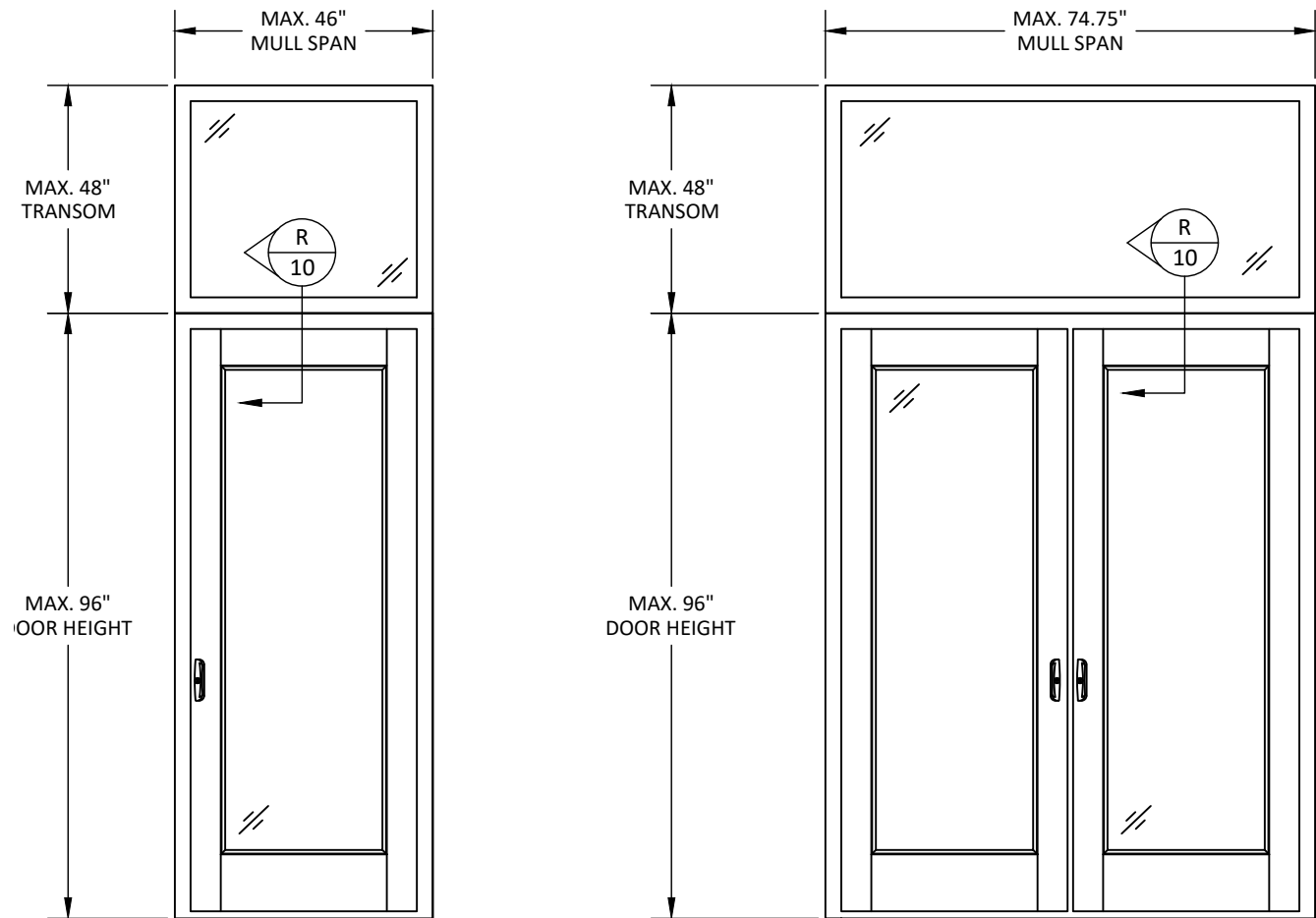
DWG. #: AWD131

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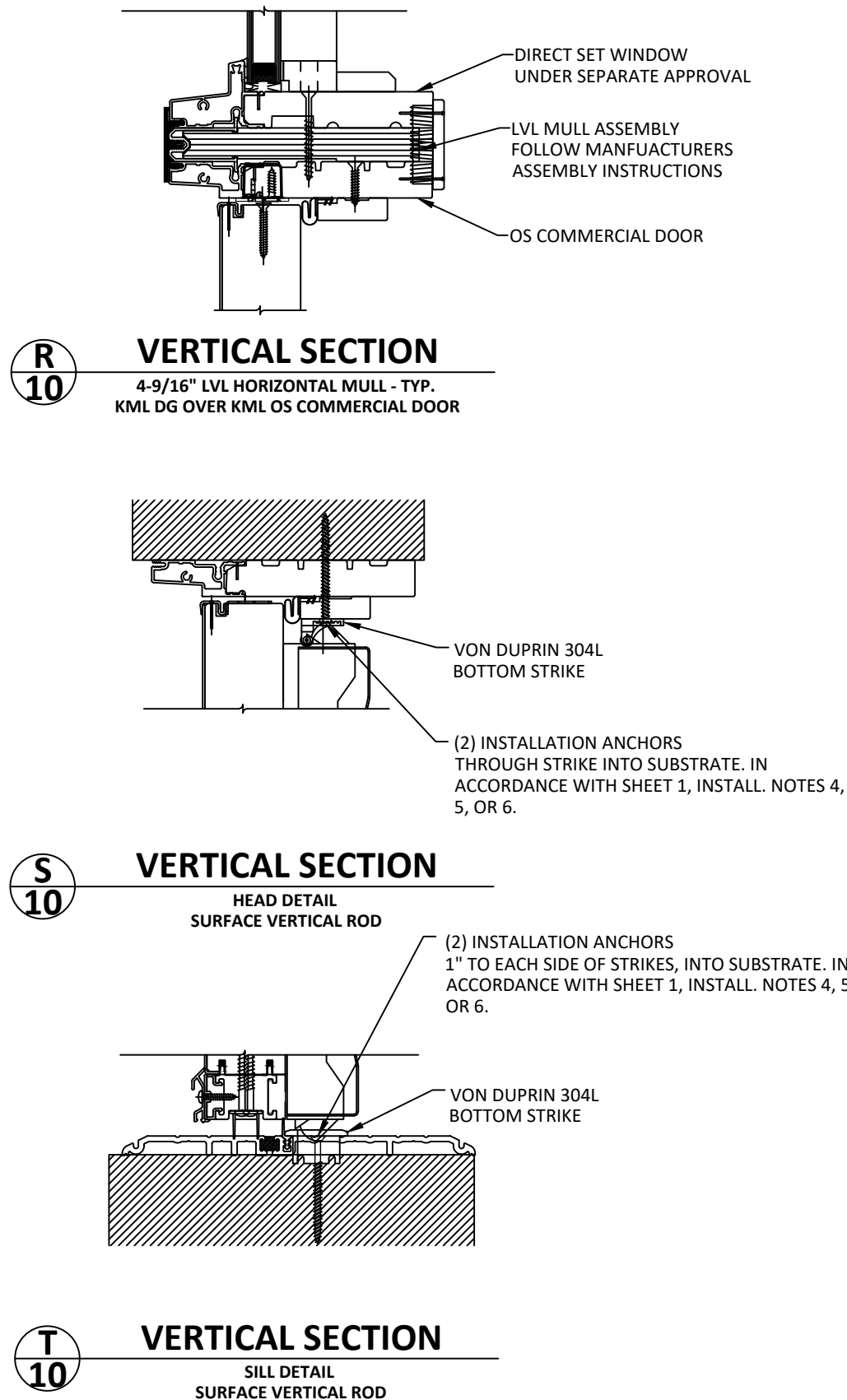
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- NOTE:
1. MAXIMUM DESIGN PRESSURE OF +/- 35 PSF, APPLIES TO 4-9/16" & 6-9/16" LVL MULLION ASSEMBLIES WHEN MULLED HORIZONTAL MULLION CONFIGURATIONS.
  2. UNITS MAY BE MULLED IN CONFIGURATIONS AS SHOWN ABOVE.
  3. MULLION ASSEMBLY HAS BEEN EVALUATED IN ACCORDANCE WITH FBC SECTION 1709.8 & MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/180.
  4. DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. TRANSOM WINDOW UNIT SHALL BE UNDER SEPARATE APPROVAL.
  5. REFER TO DETAILS N/7 FOR PROPER INSTALLATION OF MULLION TO THE ROUGH OPENING.THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.



**ANDERSEN**  
WINDOWS & DOORS  
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BAYPORT, MN 55003-1096  
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: ALUMINUM CLAD COMMERCIAL DOOR (NON-HVHZ) (NON-IMPACT) LVL MULLION TRANSOM & HARDWARE DETAILS

PREPARED BY: BUILDING DROPS, INC.  
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HERMES F. NORERO, P.E.  
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