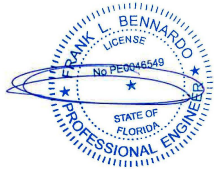
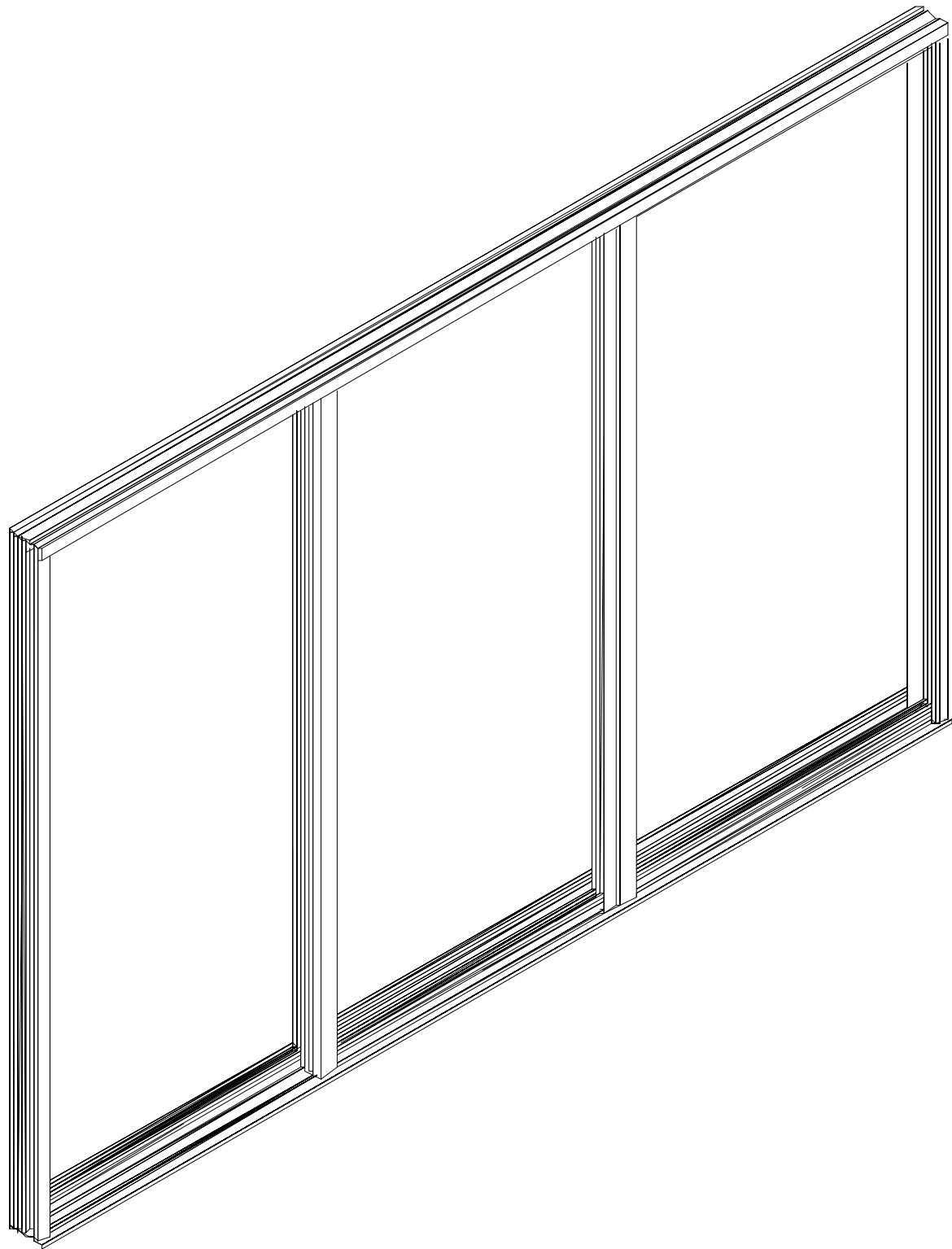


BUILDING ENVELOPE SYSTEMS, INC.  
SERIES 2519 ALUMINUM SLIDING GLASS DOOR  
L.M.I. - MISSILE LEVEL "D" & S.M.I.



Digitally  
signed by  
Frank  
Bennardo  
Date:  
2021.02.16  
16:00:48  
-05'00'

GENERAL NOTES:

- THIS SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE SEVENTH EDITION (2020) PER
  - ASTM E331, E283
  - TAS 201 / TAS 202 WITH FORCED ENTRY/ TAS 203
  - ASTM E330 WITH FORCED ENTRY
  - ASTM E1996
  - ASTM E1886
  - ASTM E1300
- FOR USE WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- DESIGN PRESSURES NOTED HEREIN ARE BASED ON MAXIMUM TESTED PRESSURES DIVIDED BY A 1.5 SAFETY FACTOR.
- NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM. WIND LOAD DURATION FACTOR Cd=1.6 HAS BEEN USED FOR WOOD ANCHOR DESIGN.
- THE ARCHITECT/ENGINEER OF RECORD FOR THE PROJECT SUPERSTRUCTURE WITH WHICH THIS DESIGN IS USED SHALL BE RESPONSIBLE FOR THE INTEGRITY OF ALL SUPPORTING SURFACES TO THIS DESIGN WHICH SHALL BE COORDINATED BY THE PERMITTING CONTRACTOR.WOOD BUCKS (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.
- THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
- THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
- ALL FASTENERS INTO METAL SUBSTRATES SHALL BE CADMIUM-PLATED OR OTHERWISE CORROSION-RESISTANT MATERIAL AND SHALL COMPLY WITH ANY APPLICABLE FEDERAL, STATE, AND/OR LOCAL CODES.
- ENGINEER SEAL AFFIXED HERE TO VALIDATES STRUCTURAL DESIGN AS SHOWN ONLY. USE OF THIS SPECIFICATION BY CONTRACTOR, et. al. INDEMNIFIES & SAVES HARMLESS THIS ENGINEER FOR ALL COST & DAMAGES INCLUDING LEGAL FEES & APPELLATE FEES RESULTING FROM MATERIAL FABRICATION, SYSTEM ERECTION, & CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE, & FEDERAL CODES & FROM DEVIATIONS OF THIS PLAN.
- EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
- ALTERATIONS, ADDITIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.
- SAFEGUARDS MUST BE OBSERVED (NOT IN THIS CERTIFICATION)
- PRODUCT SHALL BE PERMANENTLY LABELED WITH A MINIMUM OF ONE LABEL PER SYSTEM CONTAINING THE FOLLOWING:

BUILDING ENVELOPE SYSTEMS, INC.  
3121 EAST 11TH AVE  
HIALEAH, FLORIDA  
TAS 201/202/203  
APPROVED BY FLORIDA BUILDING COMMISSION

SHEET INDEX

| # SHEET | DESCRIPTION     |
|---------|-----------------|
| 01      | COVER SHEET     |
| 02-04   | ELEVATIONS      |
| 05-06   | LOADING TABLES  |
| 07      | GLASS TYPES     |
| 08-11   | FRAME ANCHORING |
| 12-15   | DETAILS         |
| 16-17   | EXTRUSIONS      |
| 18      | PART LIST       |
| 18      | TOTAL           |

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PE# 0046549 CA# 9885



FL#33510.1



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FLORIDA STATE APPROVAL

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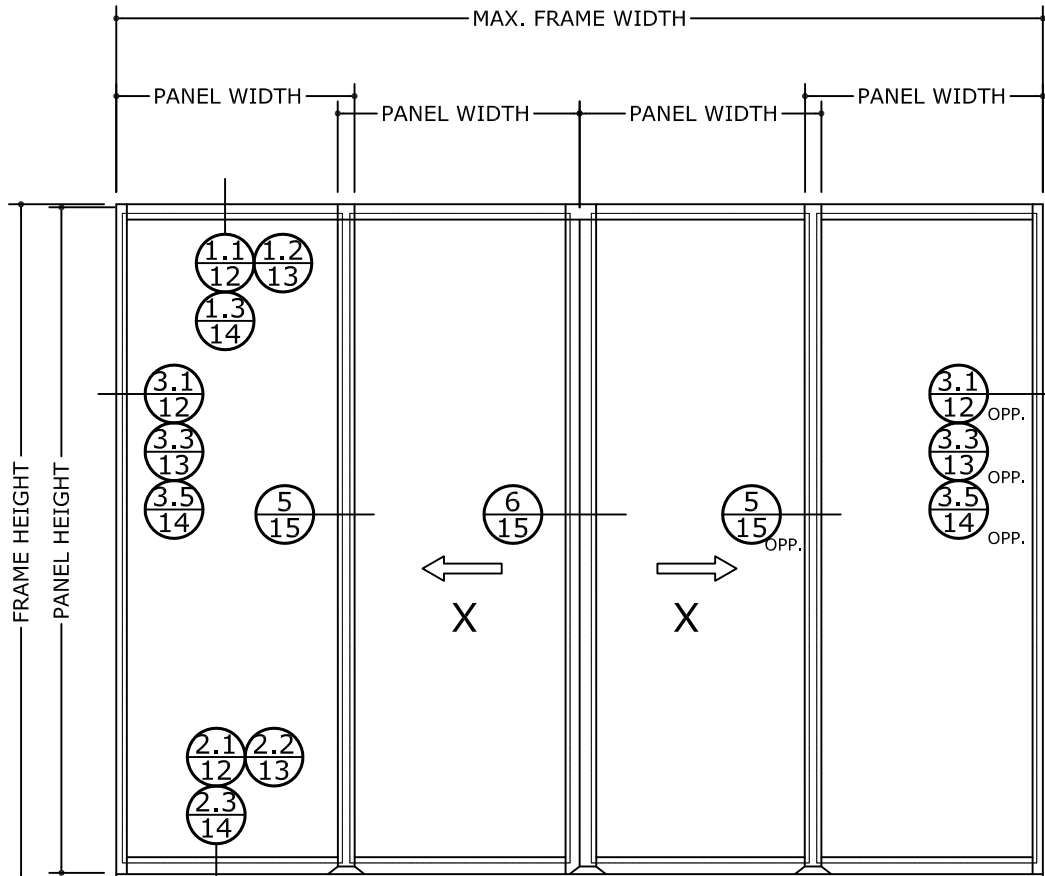
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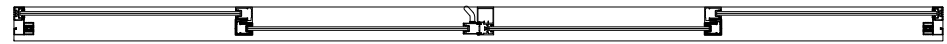
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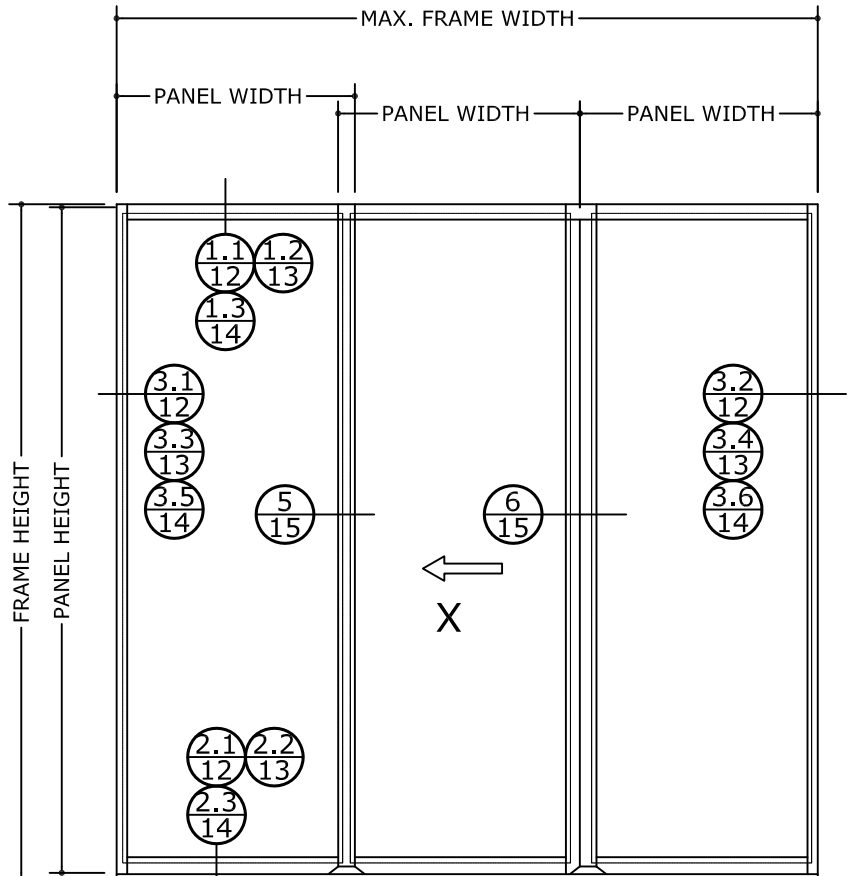
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TYPICAL ELEVATION  
LOOKING FROM OUTSIDE IN



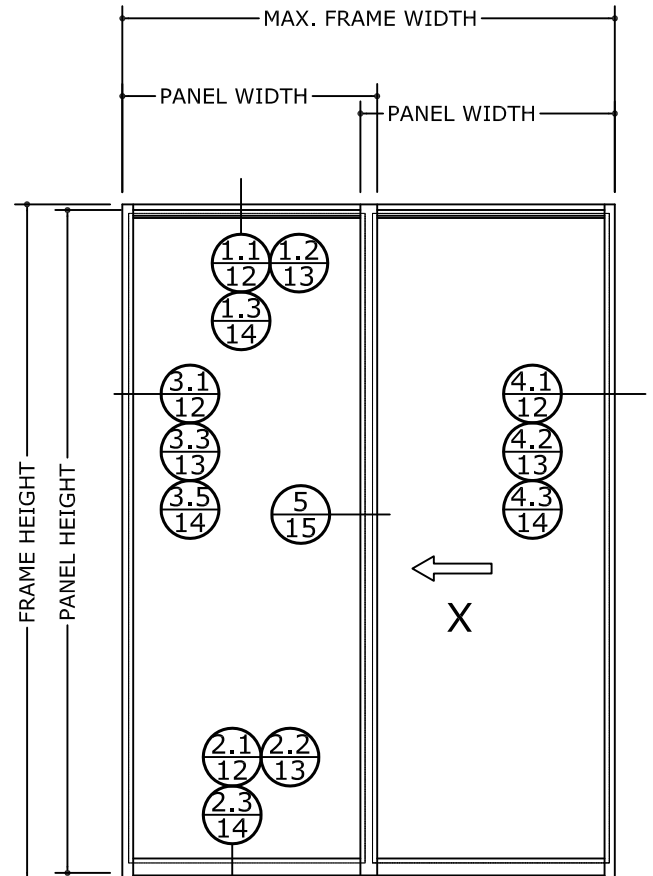
PLAN VIEW  
EXTERIOR



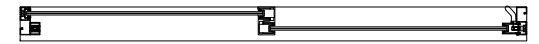
TYPICAL ELEVATION  
LOOKING FROM OUTSIDE IN



PLAN VIEW  
EXTERIOR



TYPICAL ELEVATION  
LOOKING FROM OUTSIDE IN



PLAN VIEW  
EXTERIOR

MAX. PANEL AREA = 44 SQ. FT.

MAX. D.L.O. AREA = 38 SQ. FT.

NOTE: UNLIMITED PANELS AND UNLIMITED FRAME WIDTHS MAY BE USED OUTSIDE THE HVHZ PROVIDED THAT APPROVED PANEL SIZES ARE NO EXCEEDED.

UNEQUAL D.L.O.'S MAY BE USED UNDER SITE SPECIFIC ENGINEERING.

REFER TO PAGE 5 FOR PANEL SIZE LOADING TABLES.

FRAME HEIGHT = PANEL HEIGHT + 1 5/8"

FOR OX OR XO DOORS:

PANEL WIDTH =  $\frac{\text{FRAME WIDTH} + 2 \frac{3}{4}"}{2}$

FOR OXO, OXXO OR OOXO DOORS:

PANEL WIDTH =  $\frac{\text{FRAME WIDTH} + 2 \frac{3}{4}"}{\text{NUMBER OF PANELS}}$

NOTE:

REFER TO MANUFACTURER SYSTEM INSTALLATION MANUAL FOR FABRICATION AND ASSEMBLY INSTRUCTIONS.

| APPROVED CONFIGURATIONS |  |
|-------------------------|--|
| XO                      |  |
| OX                      |  |
| OXO                     |  |
| OXXO                    |  |
| OOXXOO                  |  |

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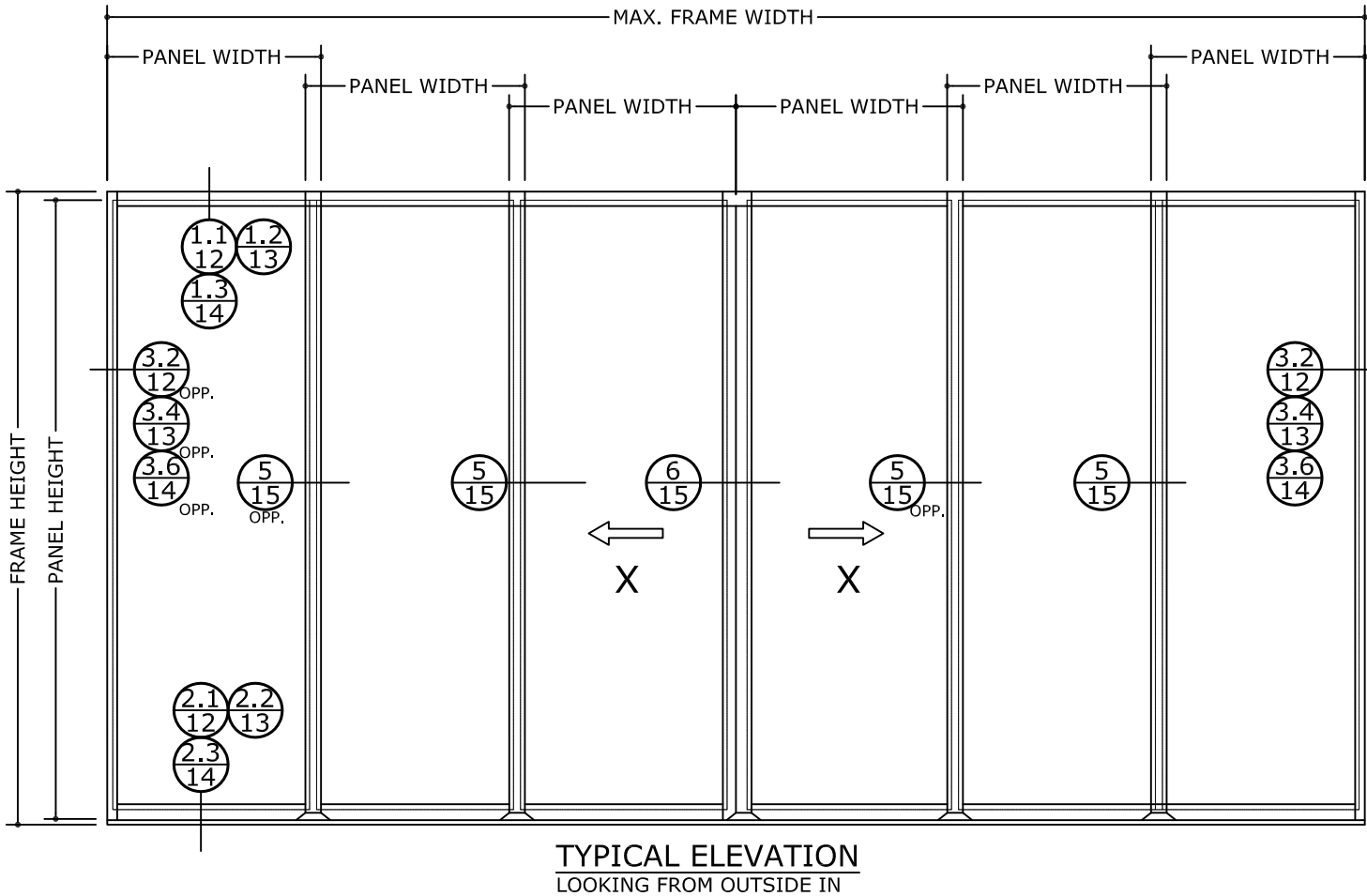
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REFER TO PAGE 5 FOR PANEL SIZE LOADING TABLES.



PLAN VIEW

EXTERIOR

FRAME HEIGHT = PANEL HEIGHT + 1 5/8"

FOR OX OR XO DOORS:

PANEL WIDTH =  $\frac{\text{FRAME WIDTH} + 2 \frac{3}{4}"}{2}$

FOR OXO, OXXO OR OOOXOO DOORS:

PANEL WIDTH =  $\frac{\text{FRAME WIDTH} + 2 \frac{3}{4}"}{\text{NUMBER OF PANELS}}$

NOTE:

REFER TO MANUFACTURER SYSTEM INSTALLATION MANUAL FOR FABRICATION AND ASSEMBLY INSTRUCTIONS.

| MAX. FRAME SIZES |              |
|------------------|--------------|
| WIDTH (In.)      | HEIGHT (In.) |
| 462 3/8          | 80           |
| 440 1/8          | 84           |
| 425 1/2          | 87           |
| 411              | 90           |
| 397 5/8          | 93           |
| 385 1/8          | 96           |
| 373 5/8          | 99           |
| 362 5/8          | 102          |
| 352 1/8          | 105          |
| 342 3/8          | 108          |
| 333 1/8          | 111          |
| 324 3/8          | 114          |
| 316 1/8          | 117          |
| 308 1/8          | 120          |
| 300 5/8          | 123          |
| 291 1/8          | 127          |

PER SECTION 2411 OF THE FBC.

APPROVED  
CONFIGURATIONS

XO

OX

OXO

OXXO

OOXXOO

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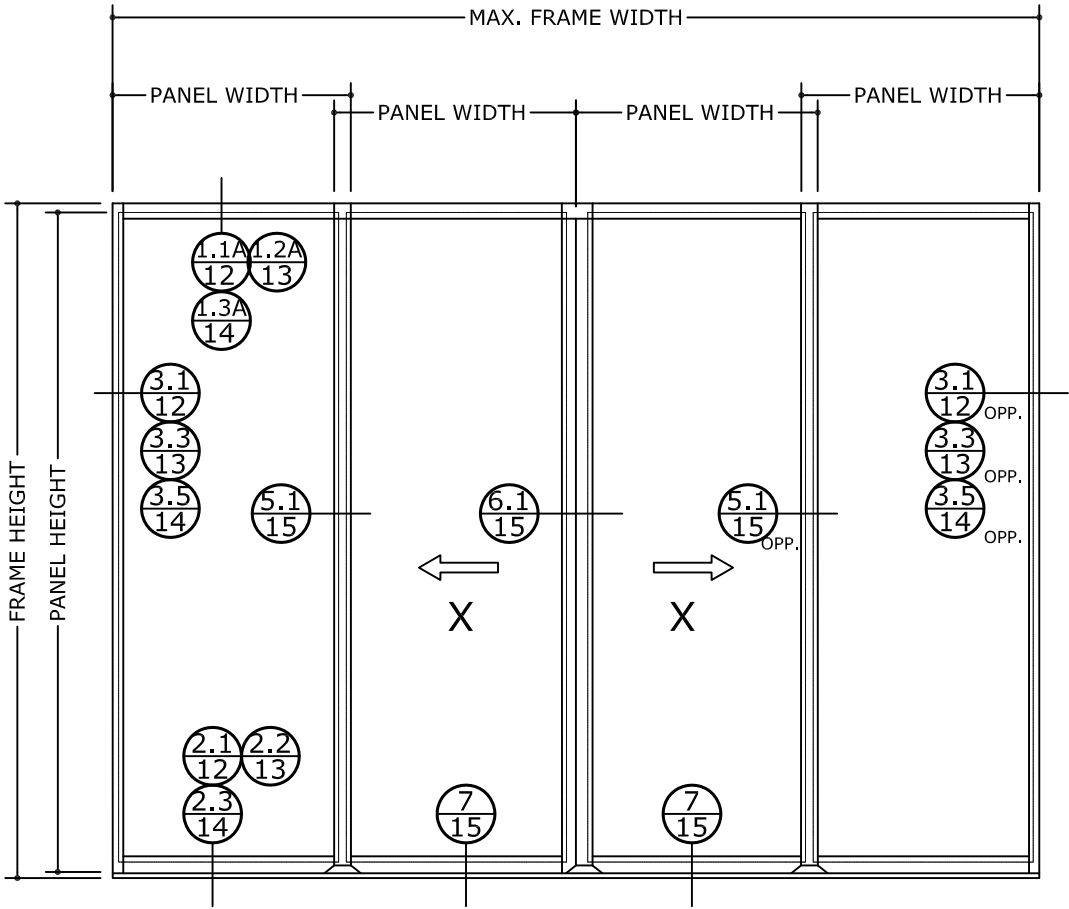
MAX. PANEL AREA = 44 SQ. FT.

MAX. D.L.O. AREA = 38 SQ. FT.

NOTE: UNLIMITED PANELS AND UNLIMITED FRAME WIDTHS MAY BE USED OUTSIDE THE HVHZ PROVIDED THAT APPROVED PANEL SIZES ARE NO EXCEEDED.

UNEQUAL D.L.O.'S MAY BE USED UNDER SITE SPECIFIC ENGINEERING.

REFER TO PAGE 6 FOR PANEL SIZE LOADING TABLES.



TYPICAL ELEVATION  
LOOKING FROM OUTSIDE IN

PLAN VIEW

EXTERIOR

FRAME HEIGHT = PANEL HEIGHT + 1 5/8"

FOR OX OR XO DOORS:  
PANEL WIDTH =  $\frac{\text{FRAME WIDTH} + 2 \frac{3}{4}"}{2}$

FOR OXO OR OXXO DOORS:  
PANEL WIDTH =  $\frac{\text{FRAME WIDTH} + 2 \frac{3}{4}"}{\text{NUMBER OF PANELS}}$

NOTE:  
REFER TO MANUFACTURER SYSTEM INSTALLATION MANUAL FOR FABRICATION AND ASSEMBLY INSTRUCTIONS.

| MAX. FRAME SIZES |              |
|------------------|--------------|
| WIDTH (In.)      | HEIGHT (In.) |
| 462 3/8          | 80           |
| 440 1/8          | 84           |
| 425 1/2          | 87           |
| 411              | 90           |
| 397 5/8          | 93           |
| 385 1/8          | 96           |
| 373 5/8          | 99           |
| 362 5/8          | 102          |
| 352 1/8          | 105          |
| 342 3/8          | 108          |
| 333 1/8          | 111          |
| 324 3/8          | 114          |
| 316 1/8          | 117          |
| 308 1/8          | 120          |
| 300 5/8          | 123          |
| 291 1/8          | 127          |
| 384 5/8          | 130          |
| 280 3/8          | 132          |

PER SECTION 2411 OF THE FBC.

| APPROVED CONFIGURATIONS |  |
|-------------------------|--|
| XO                      |  |
| OX                      |  |
| OXO                     |  |
| OXXO                    |  |

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PANEL LOADING TABLES (OX - XO - OXO - OXXO - 00XX00)

| GLASS TYPE        |                  | G1                 |           | G1A G2 G3          |           |
|-------------------|------------------|--------------------|-----------|--------------------|-----------|
|                   |                  | ALLOWABLE PRESSURE |           | ALLOWABLE PRESSURE |           |
| FRAME HEIGHT (in) | PANEL WIDTH (in) | (+) P.S.F          | (-) P.S.F | (+) P.S.F          | (-) P.S.F |
| 80                | 24               | 131                | 170       | 131                | 131       |
|                   | 30               | 131                | 170       | 131                | 131       |
|                   | 36               | 131                | 170       | 131                | 131       |
|                   | 42               | 131                | 160       | 131                | 131       |
|                   | 48               | 120                | 140       | 131                | 131       |
|                   | 54               | 106                | 124       | 116                | 116       |
|                   | 60               | 96                 | 112       | 104                | 104       |
|                   | 66               | 87                 | 101       | 95                 | 95        |
| 84                | 72               | 80                 | 93        | -                  | -         |
|                   | 24               | 131                | 170       | 131                | 131       |
|                   | 30               | 131                | 170       | 131                | 131       |
|                   | 36               | 131                | 170       | 131                | 131       |
|                   | 42               | 131                | 160       | 131                | 131       |
|                   | 48               | 120                | 140       | 131                | 131       |
|                   | 54               | 106                | 124       | 116                | 116       |
|                   | 60               | 96                 | 112       | 104                | 104       |
| 90                | 66               | 87                 | 101       | 95                 | 95        |
|                   | 72               | 80                 | 93        | -                  | -         |
|                   | 24               | 131                | 170       | 131                | 131       |
|                   | 30               | 131                | 170       | 131                | 131       |
|                   | 36               | 131                | 170       | 131                | 131       |
|                   | 42               | 131                | 160       | 131                | 131       |
|                   | 48               | 120                | 140       | 131                | 131       |
|                   | 54               | 106                | 124       | 116                | 116       |
| 96                | 60               | 96                 | 112       | 104                | 104       |
|                   | 66               | 87                 | 101       | -                  | -         |
|                   | 24               | 131                | 170       | 131                | 131       |
|                   | 30               | 131                | 170       | 131                | 131       |
|                   | 36               | 131                | 170       | 131                | 131       |
|                   | 42               | 131                | 160       | 131                | 131       |
|                   | 48               | 120                | 140       | 131                | 131       |
|                   | 54               | 106                | 124       | 116                | 116       |
| 102               | 60               | 96                 | 112       | -                  | -         |
|                   | 24               | 131                | 170       | 131                | 131       |
|                   | 30               | 131                | 170       | 131                | 131       |
|                   | 36               | 131                | 170       | 131                | 131       |
|                   | 42               | 131                | 160       | 131                | 131       |
|                   | 48               | 120                | 140       | 131                | 131       |
|                   | 54               | 106                | 124       | 116                | 116       |
| 108               | 24               | 131                | 170       | 131                | 131       |
|                   | 30               | 131                | 170       | 131                | 131       |
|                   | 36               | 131                | 170       | 131                | 131       |
|                   | 42               | 131                | 160       | 131                | 131       |
|                   | 48               | 120                | 140       | 131                | 131       |
|                   | 54               | 106                | 124       | -                  | -         |
| 114               | 24               | 131                | 170       | 131                | 131       |
|                   | 30               | 131                | 170       | 131                | 131       |
|                   | 36               | 131                | 170       | 131                | 131       |
|                   | 42               | 131                | 160       | 131                | 131       |
|                   | 48               | 120                | 140       | 131                | 131       |
| 119 1/2           | 24               | 131                | 170       | 131                | 131       |
|                   | 30               | 131                | 170       | 131                | 131       |
|                   | 36               | 131                | 170       | 131                | 131       |
|                   | 42               | 131                | 160       | 131                | 131       |
|                   | 48               | 120                | 140       | 131                | 131       |
| 127               | 24               | 131                | 170       | -                  | -         |
|                   | 30               | 131                | 170       | -                  | -         |
|                   | 36               | 131                | 170       | -                  | -         |
|                   | 42               | 131                | 160       | -                  | -         |
|                   | 48               | 120                | 140       | -                  | -         |

NOTE:  
LOADS APPLICABLE TO ELEVATIONS ON PAGES 2 & 3.

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PE# 0046549 CA# 9885



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PANEL LOADING TABLES (OX - XO - OXO - OXXO)

| GLASS TYPE        |                  | G1                 |           | G3                 |           | G4                 |           |
|-------------------|------------------|--------------------|-----------|--------------------|-----------|--------------------|-----------|
|                   |                  | ALLOWABLE PRESSURE |           | ALLOWABLE PRESSURE |           | ALLOWABLE PRESSURE |           |
| FRAME HEIGHT (in) | PANEL WIDTH (in) | (+) P.S.F          | (-) P.S.F | (+) P.S.F          | (-) P.S.F | (+) P.S.F          | (-) P.S.F |
| 80                | 24               | 131                | 170       | 150                | 150       | 140                | 170       |
|                   | 30               | 131                | 170       | 150                | 150       | 140                | 170       |
|                   | 36               | 131                | 170       | 150                | 150       | 140                | 170       |
|                   | 42               | 131                | 160       | 142                | 142       | 140                | 170       |
|                   | 48               | 120                | 140       | 125                | 125       | 122                | 148       |
|                   | 54               | 106                | 124       | 111                | 111       | 108                | 132       |
|                   | 60               | 96                 | 112       | -                  | -         | 98                 | 119       |
|                   | 66               | 87                 | 101       | -                  | -         | 89                 | 108       |
|                   | 72               | 80                 | 93        | -                  | -         | 140                | 170       |
| 84                | 24               | 131                | 170       | -                  | -         | 140                | 170       |
|                   | 30               | 131                | 170       | 150                | 150       | 140                | 170       |
|                   | 36               | 131                | 170       | 150                | 150       | 140                | 170       |
|                   | 42               | 131                | 160       | 150                | 150       | 122                | 148       |
|                   | 48               | 120                | 140       | 142                | 142       | 108                | 132       |
|                   | 54               | 106                | 124       | 125                | 125       | 98                 | 119       |
|                   | 60               | 96                 | 112       | 111                | 111       | 89                 | 108       |
|                   | 66               | 87                 | 101       | -                  | -         | -                  | -         |
|                   | 72               | 80                 | 93        | -                  | -         | -                  | -         |
| 90                | 24               | 131                | 170       | 150                | 150       | 140                | 170       |
|                   | 30               | 131                | 170       | 150                | 150       | 140                | 170       |
|                   | 36               | 131                | 170       | 150                | 150       | 140                | 170       |
|                   | 42               | 131                | 160       | 142                | 142       | 140                | 170       |
|                   | 48               | 120                | 140       | 125                | 125       | 122                | 148       |
|                   | 54               | 106                | 124       | -                  | -         | 108                | 132       |
|                   | 60               | 96                 | 112       | -                  | -         | 98                 | 119       |
|                   | 66               | 87                 | 101       | -                  | -         | -                  | -         |
|                   | 72               | 80                 | 93        | -                  | -         | -                  | -         |
| 96                | 24               | 131                | 170       | 150                | 150       | 140                | 170       |
|                   | 30               | 131                | 170       | 150                | 150       | 140                | 170       |
|                   | 36               | 131                | 170       | 150                | 150       | 140                | 170       |
|                   | 42               | 131                | 160       | 142                | 142       | 140                | 170       |
|                   | 48               | 120                | 140       | 125                | 125       | 122                | 148       |
|                   | 54               | 106                | 124       | -                  | -         | 108                | 132       |
|                   | 60               | 96                 | 112       | -                  | -         | -                  | -         |
|                   | 66               | 87                 | 101       | -                  | -         | -                  | -         |
|                   | 72               | 80                 | 93        | -                  | -         | -                  | -         |
| 102               | 24               | 131                | 170       | 150                | 150       | 140                | 170       |
|                   | 30               | 131                | 170       | 150                | 150       | 140                | 170       |
|                   | 36               | 131                | 170       | 150                | 150       | 140                | 170       |
|                   | 42               | 131                | 160       | 142                | 142       | 140                | 170       |
|                   | 48               | 120                | 140       | -                  | -         | 122                | 148       |
|                   | 54               | 106                | 124       | -                  | -         | 108                | 132       |
|                   | 60               | 96                 | 112       | -                  | -         | -                  | -         |
|                   | 66               | 87                 | 101       | -                  | -         | -                  | -         |
|                   | 72               | 80                 | 93        | -                  | -         | -                  | -         |
| 108               | 24               | 131                | 170       | 150                | 150       | 140                | 170       |
|                   | 30               | 131                | 170       | 150                | 150       | 140                | 170       |
|                   | 36               | 131                | 170       | 150                | 150       | 140                | 170       |
|                   | 42               | 131                | 160       | 142                | 142       | 140                | 170       |
|                   | 48               | 120                | 140       | -                  | -         | 122                | 148       |
|                   | 54               | 106                | 124       | -                  | -         | -                  | -         |
|                   | 60               | 96                 | 112       | -                  | -         | -                  | -         |
|                   | 66               | 87                 | 101       | -                  | -         | -                  | -         |
|                   | 72               | 80                 | 93        | -                  | -         | -                  | -         |
| 114               | 24               | 131                | 170       | 150                | 150       | 140                | 170       |
|                   | 30               | 131                | 170       | 150                | 150       | 140                | 170       |
|                   | 36               | 131                | 170       | 150                | 150       | 140                | 170       |
|                   | 42               | 131                | 160       | -                  | -         | 140                | 170       |
|                   | 48               | 120                | 140       | -                  | -         | 122                | 148       |
|                   | 54               | 106                | 124       | -                  | -         | -                  | -         |
|                   | 60               | 96                 | 112       | -                  | -         | -                  | -         |
|                   | 66               | 87                 | 101       | -                  | -         | -                  | -         |
|                   | 72               | 80                 | 93        | -                  | -         | -                  | -         |
| 119 1/2           | 24               | 131                | 170       | 150                | 150       | 140                | 170       |
|                   | 30               | 131                | 170       | 150                | 150       | 140                | 170       |
|                   | 36               | 131                | 170       | 150                | 150       | 140                | 170       |
|                   | 42               | 131                | 160       | -                  | -         | 140                | 170       |
|                   | 48               | 120                | 140       | -                  | -         | -                  | -         |
|                   | 54               | 106                | 124       | -                  | -         | -                  | -         |
|                   | 60               | 96                 | 112       | -                  | -         | -                  | -         |
|                   | 66               | 87                 | 101       | -                  | -         | -                  | -         |
|                   | 72               | 80                 | 93        | -                  | -         | -                  | -         |
| 127               | 24               | 131                | 170       | -                  | -         | 140                | 170       |
|                   | 30               | 131                | 170       | -                  | -         | 140                | 170       |
|                   | 36               | 131                | 170       | -                  | -         | 140                | 170       |
|                   | 42               | 131                | 160       | -                  | -         | 140                | 170       |
|                   | 48               | 120                | 140       | -                  | -         | -                  | -         |
|                   | 54               | 106                | 124       | -                  | -         | -                  | -         |
|                   | 60               | 96                 | 112       | -                  | -         | -                  | -         |
|                   | 66               | 87                 | 101       | -                  | -         | -                  | -         |
|                   | 72               | 80                 | 93        | -                  | -         | -                  | -         |

NOTE:  
LOADS APPLICABLE TO ELEVATIONS ON PAGE 4.

| GLASS TYPE        |                  | G1                 |           | G3                 |           | G4                 |           |
|-------------------|------------------|--------------------|-----------|--------------------|-----------|--------------------|-----------|
|                   |                  | ALLOWABLE PRESSURE |           | ALLOWABLE PRESSURE |           | ALLOWABLE PRESSURE |           |
| FRAME HEIGHT (in) | PANEL WIDTH (in) | (+) P.S.F          | (-) P.S.F | (+) P.S.F          | (-) P.S.F | (+) P.S.F          | (-) P.S.F |
| 130               | 24               | -                  | -         | -                  | -         | 140                | 170       |
|                   | 30               | -                  | -         | -                  | -         | 140                | 170       |
|                   | 36               | -                  | -         | -                  | -         | 140                | 170       |
|                   | 42               | -                  | -         | -                  | -         | 140                | 170       |
|                   | 48               | -                  | -         | -                  | -         | 140                | 170       |
| 132               | 24               | -                  | -         | -                  | -         | 140                | 170       |
|                   | 30               | -                  | -         | -                  | -         | 140                | 170       |
|                   | 36               | -                  | -         | -                  | -         | 140                | 170       |
|                   | 42               | -                  | -         | -                  | -         | 140                | 170       |

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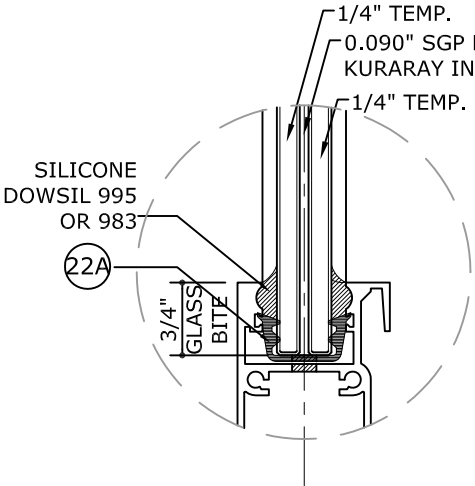
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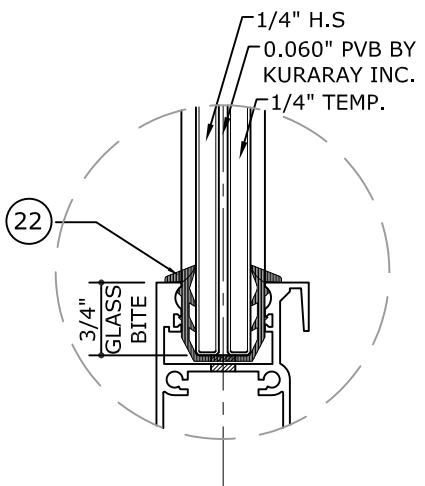
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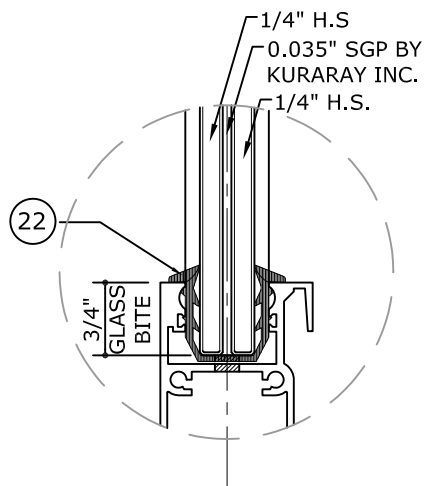
# GLASS TYPES



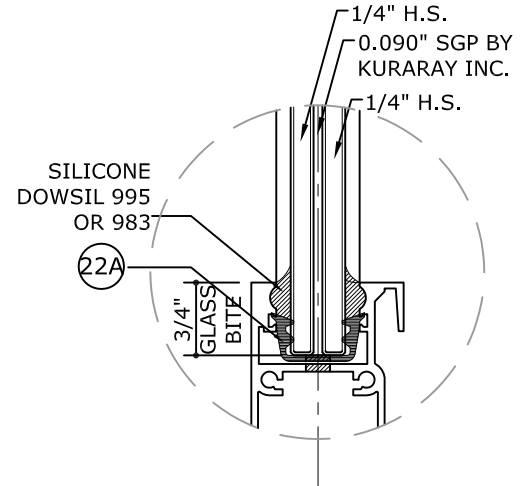
GLAZING DETAIL - GLASS TYPE '1'  
SMALL MISSILE IMPACT



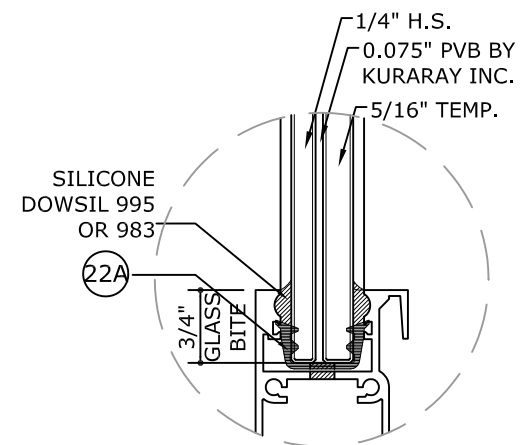
GLAZING DETAIL - GLASS TYPE '1A'  
SMALL MISSILE IMPACT



GLAZING DETAIL - GLASS TYPE '2'  
SMALL MISSILE IMPACT



GLAZING DETAIL - GLASS TYPE '3'  
LARGE MISSILE IMPACT- LEVEL D



GLAZING DETAIL - GLASS TYPE '4'  
SMALL MISSILE IMPACT

NOTE:  
GLASS COMPLIES WITH ASTM E1300.

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|                 | -    | -    | -        |

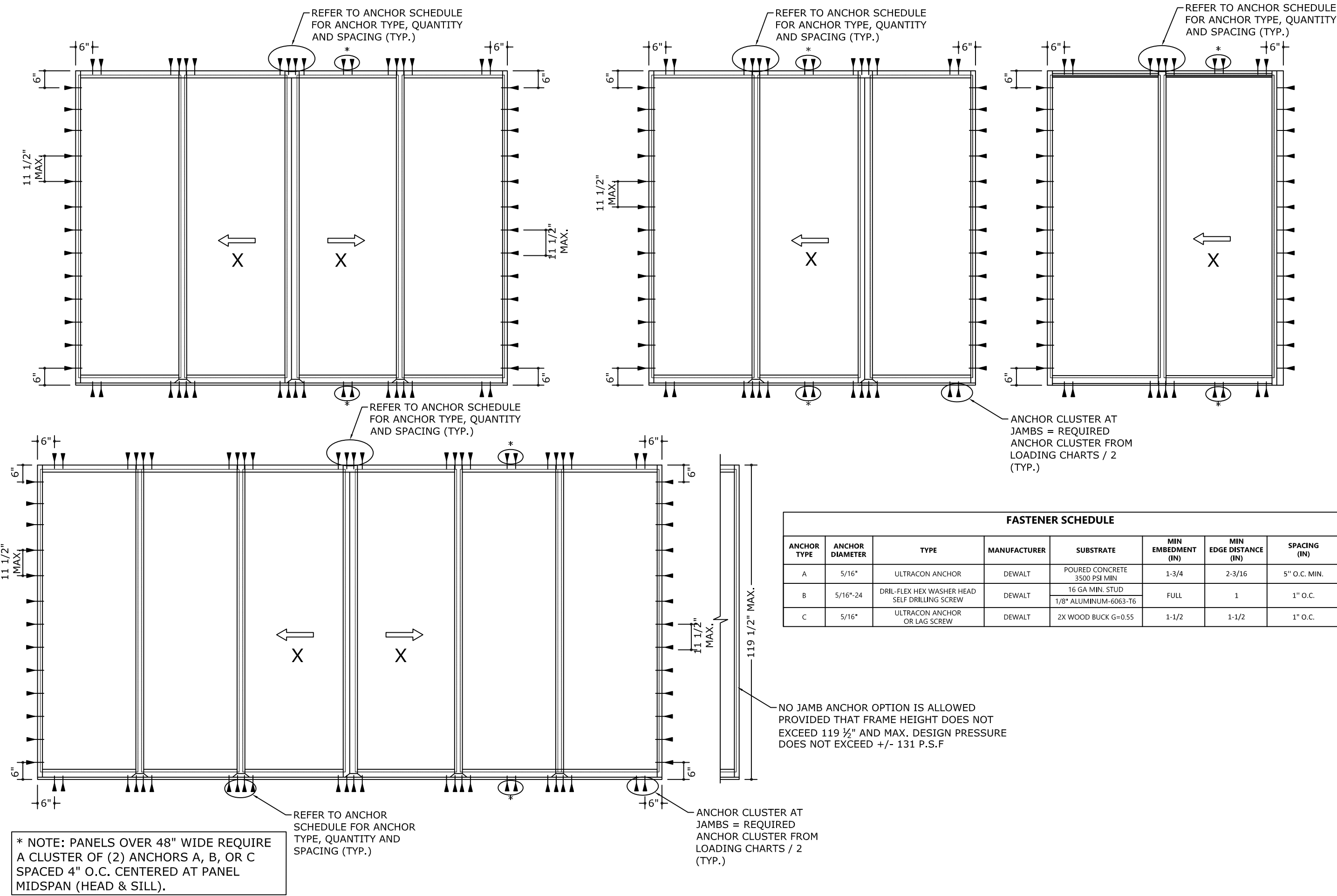
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TYPICAL ANCHOR LAYOUT



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MAXIMUM ALLOWABLE STRESS DESIGN PRESSURE RATING FOR MULLIONS WITH HEAD&SILL CONNECTIONS

| FRAME HEIGHT<br>(H) | PANEL WIDTH<br>(W) | TOTAL NUMBER OF ANCHORS AT THE CLUSTER |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |
|---------------------|--------------------|----------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
|                     |                    | 2                                      |                                   |                                   | 4                                 |                                   |                                   | 6                                 |                                   |                                   | 8                                 |                                   |                                   | 10                                |                                   |                                   | 12                                |                                   |                                   | 16                                |                                   |                                   |
|                     |                    | TYPE "A"<br>MAX PRESSURE<br>(PSF)      | TYPE "B"<br>MAX PRESSURE<br>(PSF) | TYPE "C"<br>MAX PRESSURE<br>(PSF) | TYPE "A"<br>MAX PRESSURE<br>(PSF) | TYPE "B"<br>MAX PRESSURE<br>(PSF) | TYPE "C"<br>MAX PRESSURE<br>(PSF) | TYPE "A"<br>MAX PRESSURE<br>(PSF) | TYPE "B"<br>MAX PRESSURE<br>(PSF) | TYPE "C"<br>MAX PRESSURE<br>(PSF) | TYPE "A"<br>MAX PRESSURE<br>(PSF) | TYPE "B"<br>MAX PRESSURE<br>(PSF) | TYPE "C"<br>MAX PRESSURE<br>(PSF) | TYPE "A"<br>MAX PRESSURE<br>(PSF) | TYPE "B"<br>MAX PRESSURE<br>(PSF) | TYPE "C"<br>MAX PRESSURE<br>(PSF) | TYPE "A"<br>MAX PRESSURE<br>(PSF) | TYPE "B"<br>MAX PRESSURE<br>(PSF) | TYPE "C"<br>MAX PRESSURE<br>(PSF) | TYPE "A"<br>MAX PRESSURE<br>(PSF) | TYPE "B"<br>MAX PRESSURE<br>(PSF) | TYPE "C"<br>MAX PRESSURE<br>(PSF) |
| 80                  | 24                 | 170                                    | 151                               | 63                                | 170                               | 170                               | 127                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               |
|                     | 30                 | 170                                    | 121                               | 51                                | 170                               | 170                               | 102                               | 170                               | 170                               | 153                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               |
|                     | 36                 | 157                                    | 101                               | 42                                | 170                               | 170                               | 85                                | 170                               | 170                               | 127                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               |
|                     | 42                 | 134                                    | 86                                | 36                                | 170                               | 170                               | 73                                | 170                               | 170                               | 109                               | 170                               | 170                               | 146                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               |
|                     | 48                 | 117                                    | 75                                | 31                                | 170                               | 151                               | 63                                | 170                               | 170                               | 95                                | 170                               | 170                               | 127                               | 170                               | 170                               | 159                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               |
|                     | 54                 | 104                                    | 67                                | 28                                | 170                               | 134                               | 56                                | 170                               | 170                               | 85                                | 170                               | 170                               | 113                               | 170                               | 170                               | 142                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               |
|                     | 60                 | 94                                     | 60                                | 25                                | 170                               | 121                               | 51                                | 170                               | 170                               | 76                                | 170                               | 170                               | 102                               | 170                               | 170                               | 127                               | 170                               | 170                               | 153                               | 170                               | 170                               | 170                               |
|                     | 66                 | 85                                     | 55                                | 23                                | 170                               | 110                               | 46                                | 170                               | 165                               | 69                                | 170                               | 170                               | 92                                | 170                               | 170                               | 116                               | 170                               | 170                               | 139                               | 170                               | 170                               | 170                               |
|                     | 72                 | 78                                     | 50                                | 21                                | 157                               | 101                               | 42                                | 170                               | 151                               | 63                                | 170                               | 170                               | 85                                | 170                               | 170                               | 106                               | 170                               | 170                               | 127                               | 170                               | 170                               | 170                               |
| 84                  | 24                 | 170                                    | 144                               | 60                                | 170                               | 170                               | 121                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               |
|                     | 30                 | 170                                    | 115                               | 48                                | 170                               | 170                               | 97                                | 170                               | 170                               | 146                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               |
|                     | 36                 | 149                                    | 96                                | 40                                | 170                               | 170                               | 81                                | 170                               | 170                               | 121                               | 170                               | 170                               | 162                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               |
|                     | 42                 | 128                                    | 82                                | 34                                | 170                               | 164                               | 69                                | 170                               | 170                               | 104                               | 170                               | 170                               | 139                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               |
|                     | 48                 | 112                                    | 72                                | 30                                | 170                               | 144                               | 60                                | 170                               | 170                               | 91                                | 170                               | 170                               | 121                               | 170                               | 170                               | 152                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               |
|                     | 54                 | 99                                     | 64                                | 27                                | 170                               | 128                               | 54                                | 170                               | 170                               | 81                                | 170                               | 170                               | 108                               | 170                               | 170                               | 135                               | 170                               | 170                               | 162                               | 170                               | 170                               | 170                               |
|                     | 60                 | 89                                     | 57                                | 24                                | 170                               | 115                               | 48                                | 170                               | 170                               | 73                                | 170                               | 170                               | 97                                | 170                               | 170                               | 121                               | 170                               | 170                               | 146                               | 170                               | 170                               | 170                               |
|                     | 66                 | 81                                     | 52                                | 22                                | 163                               | 104                               | 44                                | 170                               | 157                               | 66                                | 170                               | 170                               | 88                                | 170                               | 170                               | 110                               | 170                               | 170                               | 132                               | 170                               | 170                               | 170                               |
|                     | 72                 | 74                                     | 48                                | 20                                | 149                               | 96                                | 40                                | 170                               | 144                               | 60                                | 170                               | 170                               | 81                                | 170                               | 170                               | 101                               | 170                               | 170                               | 121                               | 170                               | 170                               | 162                               |
| 90                  | 24                 | 170                                    | 134                               | 56                                | 170                               | 170                               | 113                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               |
|                     | 30                 | 167                                    | 107                               | 45                                | 170                               | 170                               | 90                                | 170                               | 170                               | 136                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               |
|                     | 36                 | 139                                    | 89                                | 37                                | 170                               | 170                               | 75                                | 170                               | 170                               | 113                               | 170                               | 170                               | 151                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               |
|                     | 42                 | 119                                    | 76                                | 32                                | 170                               | 153                               | 64                                | 170                               | 170                               | 97                                | 170                               | 170                               | 129                               | 170                               | 170                               | 162                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               |
|                     | 48                 | 104                                    | 67                                | 28                                | 170                               | 134                               | 56                                | 170                               | 170                               | 85                                | 170                               | 170                               | 113                               | 170                               | 170                               | 142                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               |
|                     | 54                 | 93                                     | 59                                | 25                                | 170                               | 119                               | 50                                | 170                               | 170                               | 75                                | 170                               | 170                               | 100                               | 170                               | 170                               | 126                               | 170                               | 170                               | 151                               | 170                               | 170                               | 170                               |
|                     | 60                 | 83                                     | 53                                | 22                                | 167                               | 107                               | 45                                | 170                               | 161                               | 68                                | 170                               | 170                               | 90                                | 170                               | 170                               | 113                               | 170                               | 170                               | 136                               | 170                               | 170                               | 170                               |
|                     | 66                 | 76                                     | 48                                | 20                                | 152                               | 97                                | 41                                | 170                               | 146                               | 61                                | 170                               | 170                               | 82                                | 170                               | 170                               | 103                               | 170                               | 170                               | 123                               | 170                               | 170                               | 165                               |
|                     | 72                 | 69                                     | 44                                | 18                                | 139                               | 89                                | 37                                | 170                               | 134                               | 56                                | 170                               | 170                               | 75                                | 170                               | 170                               | 94                                | 170                               | 170                               | 113                               | 170                               | 170                               | 151                               |
| 96                  | 24                 | 170                                    | 126                               | 53                                | 170                               | 170                               | 106                               | 170                               | 170                               | 159                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               |
|                     | 30                 | 157                                    | 101                               | 42                                | 170                               | 170                               | 85                                | 170                               | 170                               | 127                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               |
|                     | 36                 | 130                                    | 84                                | 35                                | 170                               | 168                               | 71                                | 170                               | 170                               | 106                               | 170                               | 170                               | 142                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               |
|                     | 42                 | 112                                    | 72                                | 30                                | 170                               | 144                               | 60                                | 170                               | 170                               | 91                                | 170                               | 170                               | 121                               | 170                               | 170                               | 152                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               |
|                     | 48                 | 98                                     | 63                                | 26                                | 170                               | 126                               | 53                                | 170                               | 170                               | 79                                | 170                               | 170                               | 106                               | 170                               | 170                               | 133                               | 170                               | 170                               | 159                               | 170                               | 170                               | 170                               |
|                     | 54                 | 87                                     | 56                                | 23                                | 170                               | 112                               | 47                                | 170                               | 168                               | 71                                | 170                               | 170                               | 94                                | 170                               | 170                               | 118                               | 170                               | 170                               | 142                               | 170                               | 170                               | 170                               |
|                     | 60                 | 78                                     | 50                                | 21                                | 157                               | 101                               | 42                                | 170                               | 151                               | 63                                | 170                               | 170                               | 85                                | 170                               | 170                               | 106                               | 170                               | 170                               | 127                               | 170                               | 170                               | 170                               |
|                     | 66                 | 71                                     | 45                                | 19                                | 142                               | 91                                | 38                                | 170                               | 137                               | 58                                | 170                               | 170                               | 77                                | 170                               | 170                               | 96                                | 170                               | 170                               | 116                               | 170                               | 170                               | 154                               |
|                     | 72                 | 65                                     | 42                                | 17                                | 130                               | 84                                | 35                                | 170                               | 126                               | 53                                | 170                               | 168                               | 71                                | 170                               | 170                               | 88                                | 170                               | 170                               | 106                               | 170                               | 170                               | 142                               |

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MAXIMUM ALLOWABLE STRESS DESIGN PRESSURE RATING FOR MULLIONS WITH HEAD&SILL CONNECTIONS

| FRAME HEIGHT<br>(H) | PANEL WIDTH<br>(W) | TOTAL NUMBER OF ANCHORS AT THE CLUSTER |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |
|---------------------|--------------------|----------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
|                     |                    | 2                                      |                                   |                                   | 4                                 |                                   |                                   | 6                                 |                                   |                                   | 8                                 |                                   |                                   | 10                                |                                   |                                   | 12                                |                                   |                                   | 16                                |                                   |                                   |
|                     |                    | TYPE "A"<br>MAX PRESSURE<br>(PSF)      | TYPE "B"<br>MAX PRESSURE<br>(PSF) | TYPE "C"<br>MAX PRESSURE<br>(PSF) | TYPE "A"<br>MAX PRESSURE<br>(PSF) | TYPE "B"<br>MAX PRESSURE<br>(PSF) | TYPE "C"<br>MAX PRESSURE<br>(PSF) | TYPE "A"<br>MAX PRESSURE<br>(PSF) | TYPE "B"<br>MAX PRESSURE<br>(PSF) | TYPE "C"<br>MAX PRESSURE<br>(PSF) | TYPE "A"<br>MAX PRESSURE<br>(PSF) | TYPE "B"<br>MAX PRESSURE<br>(PSF) | TYPE "C"<br>MAX PRESSURE<br>(PSF) | TYPE "A"<br>MAX PRESSURE<br>(PSF) | TYPE "B"<br>MAX PRESSURE<br>(PSF) | TYPE "C"<br>MAX PRESSURE<br>(PSF) | TYPE "A"<br>MAX PRESSURE<br>(PSF) | TYPE "B"<br>MAX PRESSURE<br>(PSF) | TYPE "C"<br>MAX PRESSURE<br>(PSF) | TYPE "A"<br>MAX PRESSURE<br>(PSF) | TYPE "B"<br>MAX PRESSURE<br>(PSF) | TYPE "C"<br>MAX PRESSURE<br>(PSF) |
| 102                 | 24                 | 170                                    | 118                               | 50                                | 170                               | 170                               | 100                               | 170                               | 170                               | 150                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               |
|                     | 30                 | 147                                    | 95                                | 40                                | 170                               | 170                               | 80                                | 170                               | 170                               | 120                               | 170                               | 170                               | 160                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               |
|                     | 36                 | 123                                    | 79                                | 33                                | 170                               | 158                               | 66                                | 170                               | 170                               | 100                               | 170                               | 170                               | 133                               | 170                               | 170                               | 167                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               |
|                     | 42                 | 105                                    | 67                                | 28                                | 170                               | 135                               | 57                                | 170                               | 170                               | 85                                | 170                               | 170                               | 114                               | 170                               | 170                               | 143                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               |
|                     | 48                 | 92                                     | 59                                | 25                                | 170                               | 118                               | 50                                | 170                               | 170                               | 75                                | 170                               | 170                               | 100                               | 170                               | 170                               | 125                               | 170                               | 170                               | 150                               | 170                               | 170                               | 170                               |
|                     | 54                 | 82                                     | 52                                | 22                                | 164                               | 105                               | 44                                | 170                               | 158                               | 66                                | 170                               | 170                               | 89                                | 170                               | 170                               | 111                               | 170                               | 170                               | 133                               | 170                               | 170                               | 170                               |
|                     | 60                 | 73                                     | 47                                | 20                                | 147                               | 95                                | 40                                | 170                               | 142                               | 60                                | 170                               | 170                               | 80                                | 170                               | 170                               | 100                               | 170                               | 170                               | 120                               | 170                               | 170                               | 160                               |
|                     | 66                 | 67                                     | 43                                | 18                                | 134                               | 86                                | 36                                | 170                               | 129                               | 54                                | 170                               | 170                               | 72                                | 170                               | 170                               | 91                                | 170                               | 170                               | 109                               | 170                               | 170                               | 145                               |
|                     | 72                 | 61                                     | 39                                | 16                                | 123                               | 79                                | 33                                | 170                               | 118                               | 50                                | 170                               | 158                               | 66                                | 170                               | 170                               | 83                                | 170                               | 170                               | 100                               | 170                               | 170                               | 133                               |
| 108                 | 24                 | 170                                    | 112                               | 47                                | 170                               | 170                               | 94                                | 170                               | 170                               | 142                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               |
|                     | 30                 | 139                                    | 89                                | 37                                | 170                               | 170                               | 75                                | 170                               | 170                               | 113                               | 170                               | 170                               | 151                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               |
|                     | 36                 | 116                                    | 74                                | 31                                | 170                               | 149                               | 63                                | 170                               | 170                               | 94                                | 170                               | 170                               | 126                               | 170                               | 170                               | 157                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               |
|                     | 42                 | 99                                     | 64                                | 27                                | 170                               | 128                               | 54                                | 170                               | 170                               | 81                                | 170                               | 170                               | 108                               | 170                               | 170                               | 135                               | 170                               | 170                               | 162                               | 170                               | 170                               | 170                               |
|                     | 48                 | 87                                     | 56                                | 23                                | 170                               | 112                               | 47                                | 170                               | 168                               | 71                                | 170                               | 170                               | 94                                | 170                               | 170                               | 118                               | 170                               | 170                               | 142                               | 170                               | 170                               | 170                               |
|                     | 54                 | 77                                     | 49                                | 21                                | 155                               | 99                                | 42                                | 170                               | 149                               | 63                                | 170                               | 170                               | 84                                | 170                               | 170                               | 105                               | 170                               | 170                               | 126                               | 170                               | 170                               | 168                               |
|                     | 60                 | 69                                     | 44                                | 18                                | 139                               | 89                                | 37                                | 170                               | 134                               | 56                                | 170                               | 170                               | 75                                | 170                               | 170                               | 94                                | 170                               | 170                               | 113                               | 170                               | 170                               | 151                               |
|                     | 66                 | 63                                     | 40                                | 17                                | 126                               | 81                                | 34                                | 170                               | 122                               | 51                                | 170                               | 163                               | 68                                | 170                               | 170                               | 86                                | 170                               | 170                               | 103                               | 170                               | 170                               | 137                               |
|                     | 72                 | 58                                     | 37                                | 15                                | 116                               | 74                                | 31                                | 170                               | 112                               | 47                                | 170                               | 149                               | 63                                | 170                               | 170                               | 78                                | 170                               | 170                               | 94                                | 170                               | 170                               | 126                               |
| 114                 | 24                 | 165                                    | 106                               | 44                                | 170                               | 170                               | 89                                | 170                               | 170                               | 134                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               |
|                     | 30                 | 132                                    | 85                                | 35                                | 170                               | 170                               | 71                                | 170                               | 170                               | 107                               | 170                               | 170                               | 143                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               |
|                     | 36                 | 110                                    | 70                                | 29                                | 170                               | 141                               | 59                                | 170                               | 170                               | 89                                | 170                               | 170                               | 119                               | 170                               | 170                               | 149                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               |
|                     | 42                 | 94                                     | 60                                | 25                                | 170                               | 121                               | 51                                | 170                               | 170                               | 76                                | 170                               | 170                               | 102                               | 170                               | 170                               | 128                               | 170                               | 170                               | 153                               | 170                               | 170                               | 170                               |
|                     | 48                 | 82                                     | 53                                | 22                                | 165                               | 106                               | 44                                | 170                               | 159                               | 67                                | 170                               | 170                               | 89                                | 170                               | 170                               | 112                               | 170                               | 170                               | 134                               | 170                               | 170                               | 170                               |
|                     | 54                 | 73                                     | 47                                | 19                                | 146                               | 94                                | 39                                | 170                               | 141                               | 59                                | 170                               | 170                               | 79                                | 170                               | 170                               | 99                                | 170                               | 170                               | 119                               | 170                               | 170                               | 159                               |
|                     | 60                 | 66                                     | 42                                | 17                                | 132                               | 85                                | 35                                | 170                               | 127                               | 53                                | 170                               | 170                               | 71                                | 170                               | 170                               | 89                                | 170                               | 170                               | 107                               | 170                               | 170                               | 143                               |
|                     | 66                 | 60                                     | 38                                | 16                                | 120                               | 77                                | 32                                | 170                               | 115                               | 48                                | 170                               | 154                               | 65                                | 170                               | 170                               | 81                                | 170                               | 170                               | 97                                | 170                               | 170                               | 130                               |
|                     | 72                 | 55                                     | 35                                | 14                                | 110                               | 70                                | 29                                | 165                               | 106                               | 44                                | 170                               | 141                               | 59                                | 170                               | 170                               | 74                                | 170                               | 170                               | 89                                | 170                               | 170                               | 119                               |

FRANK BENNARDO  
PE# 0046549 CA# 9885



02/16/2021

FL#33510.1



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SERIES 2519 SLIDING GLASS DOOR  
FLORIDA STATE APPROVAL

| REMARKS         | DRWN | CHKD | DATE     |
|-----------------|------|------|----------|
| INIT ISSUE      | JEM  | AJP  | 11/07/19 |
| 2020 FBC UPDATE | JEM  | AJP  | 02/15/21 |
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MAXIMUM ALLOWABLE STRESS DESIGN PRESSURE RATING FOR MULLIONS WITH HEAD&SILL CONNECTIONS

| FRAME HEIGHT<br>(H) | PANEL WIDTH<br>(W) | TOTAL NUMBER OF ANCHORS AT THE CLUSTER |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |
|---------------------|--------------------|----------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
|                     |                    | 2                                      |                                   |                                   | 4                                 |                                   |                                   | 6                                 |                                   |                                   | 8                                 |                                   |                                   | 10                                |                                   |                                   | 12                                |                                   |                                   | 16                                |                                   |                                   |
|                     |                    | TYPE "A"<br>MAX PRESSURE<br>(PSF)      | TYPE "B"<br>MAX PRESSURE<br>(PSF) | TYPE "C"<br>MAX PRESSURE<br>(PSF) | TYPE "A"<br>MAX PRESSURE<br>(PSF) | TYPE "B"<br>MAX PRESSURE<br>(PSF) | TYPE "C"<br>MAX PRESSURE<br>(PSF) | TYPE "A"<br>MAX PRESSURE<br>(PSF) | TYPE "B"<br>MAX PRESSURE<br>(PSF) | TYPE "C"<br>MAX PRESSURE<br>(PSF) | TYPE "A"<br>MAX PRESSURE<br>(PSF) | TYPE "B"<br>MAX PRESSURE<br>(PSF) | TYPE "C"<br>MAX PRESSURE<br>(PSF) | TYPE "A"<br>MAX PRESSURE<br>(PSF) | TYPE "B"<br>MAX PRESSURE<br>(PSF) | TYPE "C"<br>MAX PRESSURE<br>(PSF) | TYPE "A"<br>MAX PRESSURE<br>(PSF) | TYPE "B"<br>MAX PRESSURE<br>(PSF) | TYPE "C"<br>MAX PRESSURE<br>(PSF) | TYPE "A"<br>MAX PRESSURE<br>(PSF) | TYPE "B"<br>MAX PRESSURE<br>(PSF) | TYPE "C"<br>MAX PRESSURE<br>(PSF) |
| 120                 | 24                 | 157                                    | 101                               | 42                                | 170                               | 170                               | 85                                | 170                               | 170                               | 127                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               |
|                     | 30                 | 125                                    | 80                                | 34                                | 170                               | 161                               | 68                                | 170                               | 170                               | 102                               | 170                               | 170                               | 136                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               |
|                     | 36                 | 104                                    | 67                                | 28                                | 170                               | 134                               | 56                                | 170                               | 170                               | 85                                | 170                               | 170                               | 113                               | 170                               | 170                               | 142                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               |
|                     | 42                 | 89                                     | 57                                | 24                                | 170                               | 115                               | 48                                | 170                               | 170                               | 73                                | 170                               | 170                               | 97                                | 170                               | 170                               | 121                               | 170                               | 170                               | 146                               | 170                               | 170                               | 170                               |
|                     | 48                 | 78                                     | 50                                | 21                                | 157                               | 101                               | 42                                | 170                               | 151                               | 63                                | 170                               | 170                               | 85                                | 170                               | 170                               | 106                               | 170                               | 170                               | 127                               | 170                               | 170                               | 170                               |
|                     | 54                 | 69                                     | 44                                | 18                                | 139                               | 89                                | 37                                | 170                               | 134                               | 56                                | 170                               | 170                               | 75                                | 170                               | 170                               | 94                                | 170                               | 170                               | 113                               | 170                               | 170                               | 151                               |
|                     | 60                 | 62                                     | 40                                | 17                                | 125                               | 80                                | 34                                | 170                               | 121                               | 51                                | 170                               | 161                               | 68                                | 170                               | 170                               | 85                                | 170                               | 170                               | 102                               | 170                               | 170                               | 136                               |
|                     | 66                 | 57                                     | 36                                | 15                                | 114                               | 73                                | 30                                | 170                               | 110                               | 46                                | 170                               | 146                               | 61                                | 170                               | 170                               | 77                                | 170                               | 170                               | 92                                | 170                               | 170                               | 123                               |
|                     | 72                 | 52                                     | 33                                | 14                                | 104                               | 67                                | 28                                | 157                               | 101                               | 42                                | 170                               | 134                               | 56                                | 170                               | 168                               | 71                                | 170                               | 170                               | 85                                | 170                               | 170                               | 113                               |
| 127                 | 24                 | 148                                    | 95                                | 40                                | 170                               | 170                               | 80                                | 170                               | 170                               | 120                               | 170                               | 170                               | 161                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               |
|                     | 30                 | 118                                    | 76                                | 32                                | 170                               | 152                               | 64                                | 170                               | 170                               | 96                                | 170                               | 170                               | 128                               | 170                               | 170                               | 161                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               |
|                     | 36                 | 98                                     | 63                                | 26                                | 170                               | 127                               | 53                                | 170                               | 170                               | 80                                | 170                               | 170                               | 107                               | 170                               | 170                               | 134                               | 170                               | 170                               | 161                               | 170                               | 170                               | 170                               |
|                     | 42                 | 84                                     | 54                                | 23                                | 169                               | 109                               | 46                                | 170                               | 163                               | 69                                | 170                               | 170                               | 92                                | 170                               | 170                               | 115                               | 170                               | 170                               | 138                               | 170                               | 170                               | 170                               |
|                     | 48                 | 74                                     | 47                                | 20                                | 148                               | 95                                | 40                                | 170                               | 143                               | 60                                | 170                               | 170                               | 80                                | 170                               | 170                               | 100                               | 170                               | 170                               | 120                               | 170                               | 170                               | 161                               |
|                     | 54                 | 65                                     | 42                                | 17                                | 131                               | 84                                | 35                                | 170                               | 127                               | 53                                | 170                               | 169                               | 71                                | 170                               | 170                               | 89                                | 170                               | 170                               | 107                               | 170                               | 170                               | 143                               |
|                     | 60                 | 59                                     | 38                                | 16                                | 118                               | 76                                | 32                                | 170                               | 114                               | 48                                | 170                               | 152                               | 64                                | 170                               | 170                               | 80                                | 170                               | 170                               | 96                                | 170                               | 170                               | 128                               |
|                     | 66                 | 53                                     | 34                                | 14                                | 107                               | 69                                | 29                                | 161                               | 104                               | 43                                | 170                               | 138                               | 58                                | 170                               | 170                               | 73                                | 170                               | 170                               | 87                                | 170                               | 170                               | 117                               |
|                     | 72                 | 49                                     | 31                                | 13                                | 98                                | 63                                | 26                                | 148                               | 95                                | 40                                | 170                               | 127                               | 53                                | 170                               | 159                               | 67                                | 170                               | 170                               | 80                                | 170                               | 170                               | 107                               |
| 130                 | 24                 | 144                                    | 93                                | 39                                | 170                               | 170                               | 78                                | 170                               | 170                               | 117                               | 170                               | 170                               | 157                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               |
|                     | 30                 | 115                                    | 74                                | 31                                | 170                               | 149                               | 62                                | 170                               | 170                               | 94                                | 170                               | 170                               | 125                               | 170                               | 170                               | 157                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               |
|                     | 36                 | 96                                     | 62                                | 26                                | 170                               | 124                               | 52                                | 170                               | 170                               | 78                                | 170                               | 170                               | 104                               | 170                               | 170                               | 131                               | 170                               | 170                               | 157                               | 170                               | 170                               | 170                               |
|                     | 42                 | 82                                     | 53                                | 22                                | 165                               | 106                               | 44                                | 170                               | 159                               | 67                                | 170                               | 170                               | 89                                | 170                               | 170                               | 112                               | 170                               | 170                               | 134                               | 170                               | 170                               | 170                               |
|                     | 48                 | 72                                     | 46                                | 19                                | 144                               | 93                                | 39                                | 170                               | 139                               | 58                                | 170                               | 170                               | 78                                | 170                               | 170                               | 98                                | 170                               | 170                               | 117                               | 170                               | 170                               | 157                               |
|                     | 54                 | 64                                     | 41                                | 17                                | 128                               | 82                                | 34                                | 170                               | 124                               | 52                                | 170                               | 165                               | 69                                | 170                               | 170                               | 87                                | 170                               | 170                               | 104                               | 170                               | 170                               | 139                               |
|                     | 60                 | 57                                     | 37                                | 15                                | 115                               | 74                                | 31                                | 170                               | 111                               | 47                                | 170                               | 149                               | 62                                | 170                               | 170                               | 78                                | 170                               | 170                               | 94                                | 170                               | 170                               | 125                               |
|                     | 66                 | 52                                     | 33                                | 14                                | 105                               | 67                                | 28                                | 158                               | 101                               | 42                                | 170                               | 135                               | 57                                | 170                               | 169                               | 71                                | 170                               | 170                               | 85                                | 170                               | 170                               | 114                               |
|                     | 72                 | 48                                     | 31                                | 13                                | 96                                | 62                                | 26                                | 144                               | 93                                | 39                                | 170                               | 124                               | 52                                | 170                               | 155                               | 65                                | 170                               | 170                               | 78                                | 170                               | 170                               | 104                               |
| 132                 | 24                 | 142                                    | 91                                | 38                                | 170                               | 170                               | 77                                | 170                               | 170                               | 116                               | 170                               | 170                               | 154                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               |
|                     | 30                 | 114                                    | 73                                | 30                                | 170                               | 146                               | 61                                | 170                               | 170                               | 92                                | 170                               | 170                               | 123                               | 170                               | 170                               | 154                               | 170                               | 170                               | 170                               | 170                               | 170                               | 170                               |
|                     | 36                 | 95                                     | 61                                | 25                                | 170                               | 122                               | 51                                | 170                               | 170                               | 77                                | 170                               | 170                               | 103                               | 170                               | 170                               | 129                               | 170                               | 170                               | 154                               | 170                               | 170                               | 170                               |
|                     | 42                 | 81                                     | 52                                | 22                                | 163                               | 104                               | 44                                | 170                               | 157                               | 66                                | 170                               | 170                               | 88                                | 170                               | 170                               | 110                               | 170                               | 170                               | 132                               | 170                               | 170                               | 170                               |
|                     | 48                 | 71                                     | 45                                | 19                                | 142                               | 91                                | 38                                | 170                               | 137                               | 58                                | 170                               | 170                               | 77                                | 170                               | 170                               | 96                                | 170                               | 170                               | 116                               | 170                               | 170                               | 154                               |
|                     | 54                 | 63                                     | 40                                | 17                                | 126                               | 81                                | 34                                | 170                               | 122                               | 51                                | 170                               | 163                               | 68                                | 170                               | 170                               | 86                                | 170                               | 170                               | 103                               | 170                               | 170                               | 137                               |
|                     | 60                 | 57                                     | 36                                | 15                                | 114                               | 73                                | 30                                | 170                               | 110                               | 46                                | 170                               | 146                               | 61                                | 170                               | 170                               | 77                                | 170                               | 170                               | 92                                | 170                               | 170                               | 123                               |
|                     | 66                 | 51                                     | 33                                | 14                                | 103                               | 66                                | 28                                | 155                               | 100                               | 42                                | 170                               | 133                               | 56                                | 170                               | 166                               | 70                                | 170                               | 170                               | 84                                | 170                               | 170                               | 112                               |
|                     | 72                 | 47                                     | 30                                | 12                                | 95                                | 61                                | 25                                | 142                               | 91                                | 38                                | 170                               | 122                               | 51                                | 170                               | 153                               | 64                                | 170                               | 170                               | 77                                | 170                               | 170                               | 103                               |

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PE# 0046549 CA# 9885



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FLORIDA STATE APPROVAL

| REMARKS | INIT | ISSUE | 2020 FBC UPDATE | DATE     | DRWN | CHKD | DATE |
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|         |      |       |                 |          |      |      |      |
|         |      |       |                 |          |      |      |      |
|         | JEM  | AJP   |                 | 11/07/19 |      |      |      |
|         | JEM  | AJP   |                 | 02/15/21 |      |      |      |
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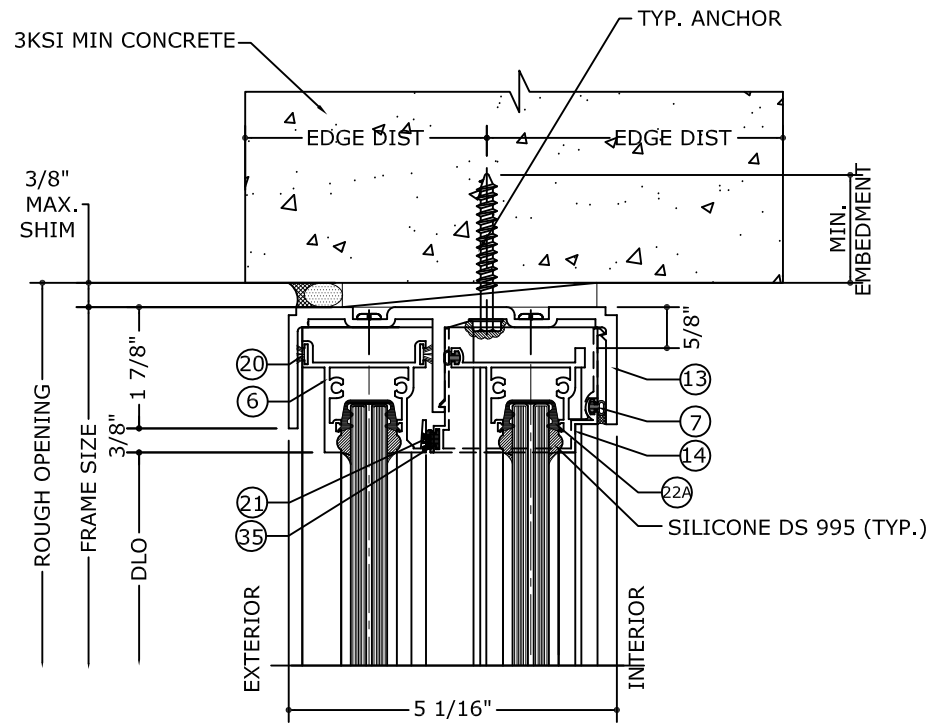
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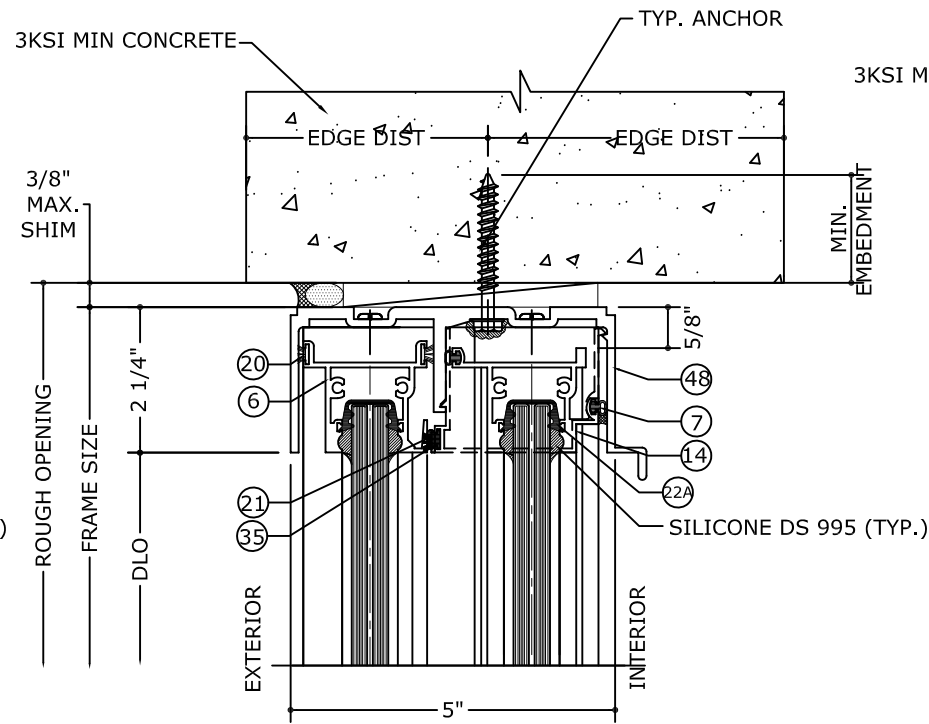
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OF 18

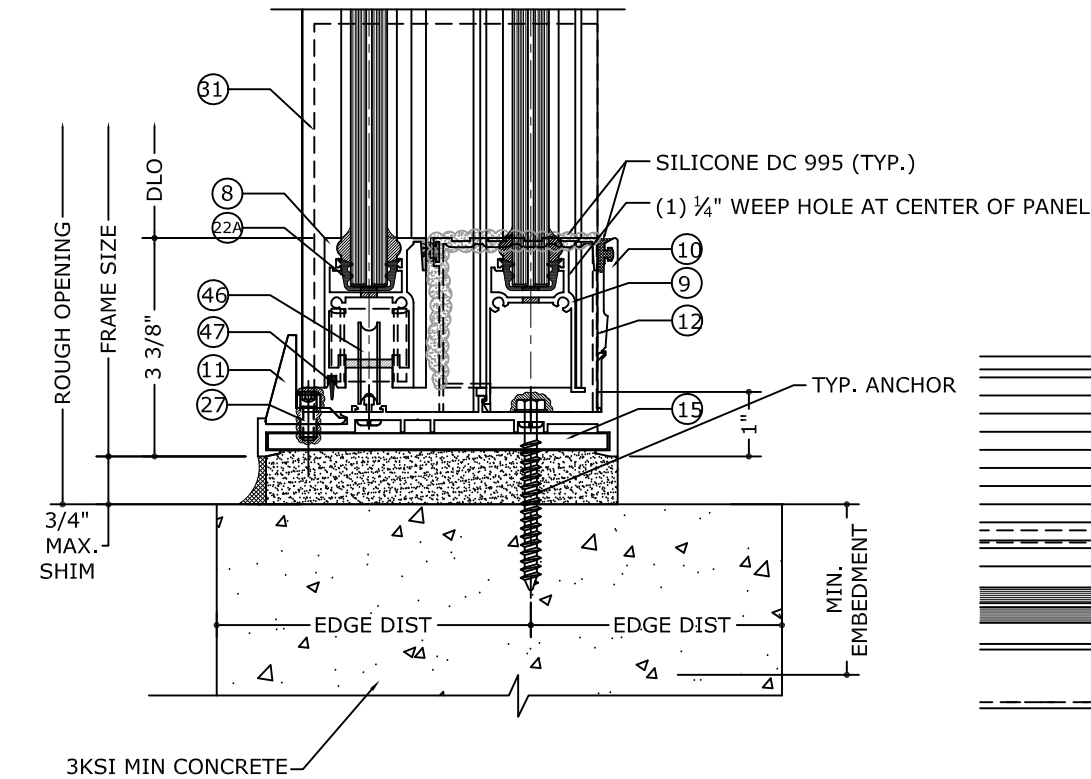
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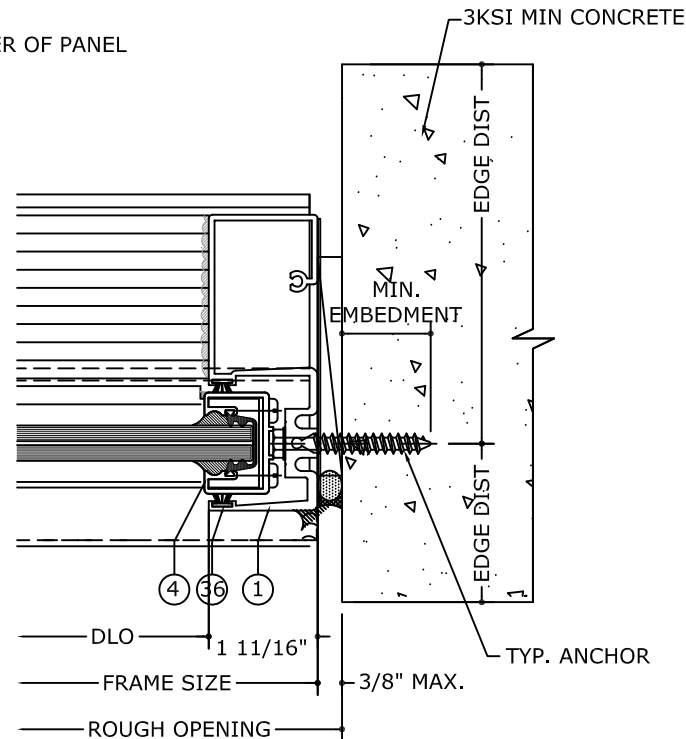
1.1 HEAD DETAIL (CONCRETE)  
N.T.S



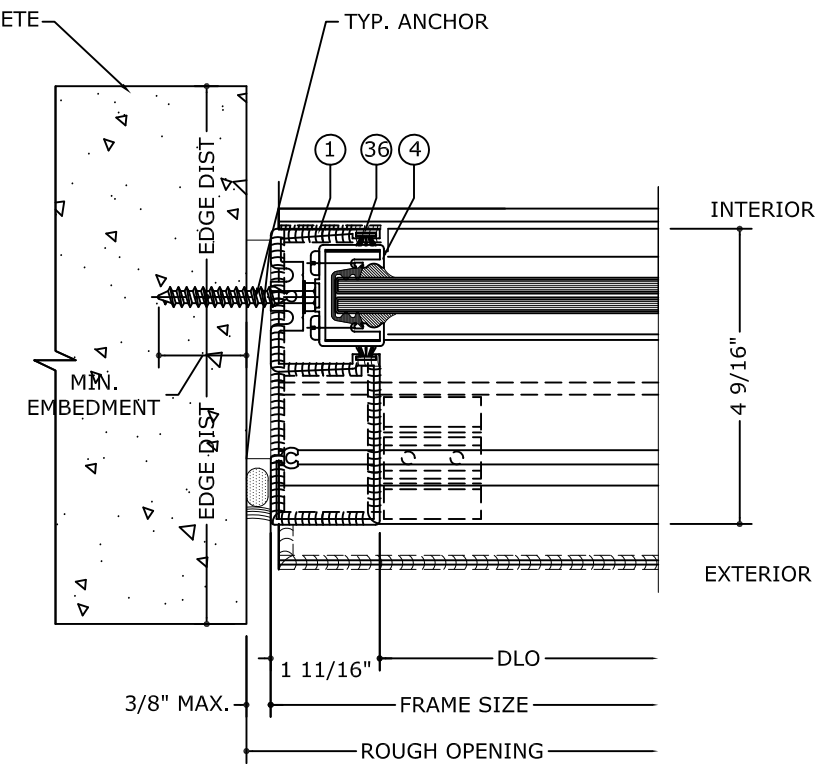
1.1A HEAD DETAIL (CONCRETE)  
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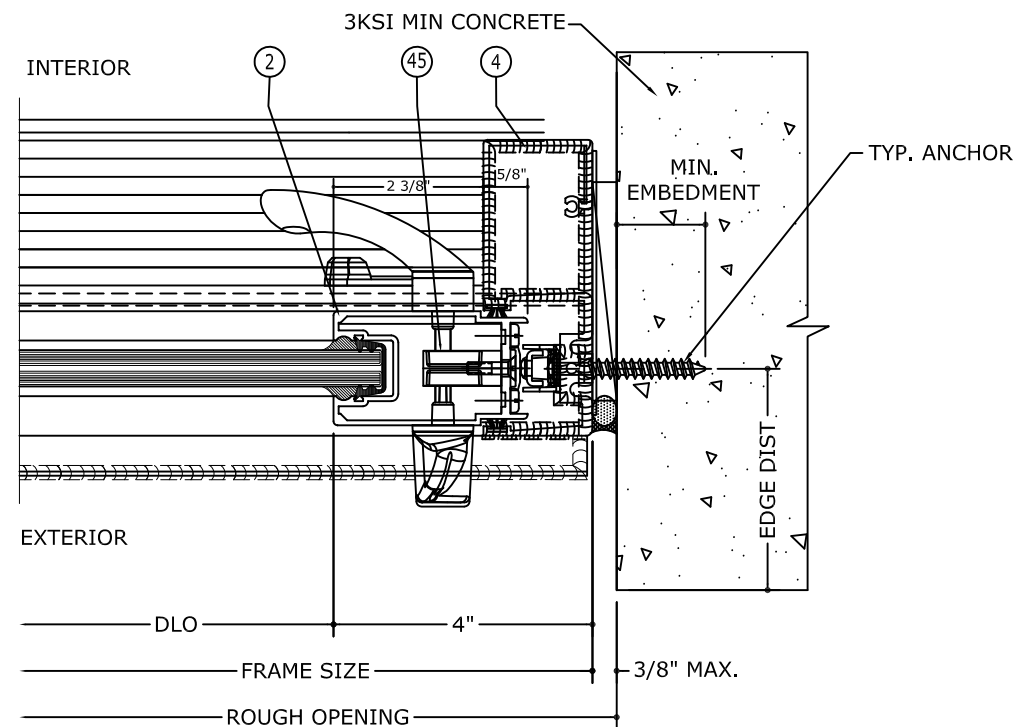
2.1 SILL DETAIL (CONCRETE)  
N.T.S



3.2 FIXED JAMB DETAIL (CONCRETE)  
N.T.S



3.1 FIXED JAMB DETAIL (CONCRETE)  
N.T.S



4.1 OPERABLE JAMB DETAIL (CONCRETE)  
N.T.S

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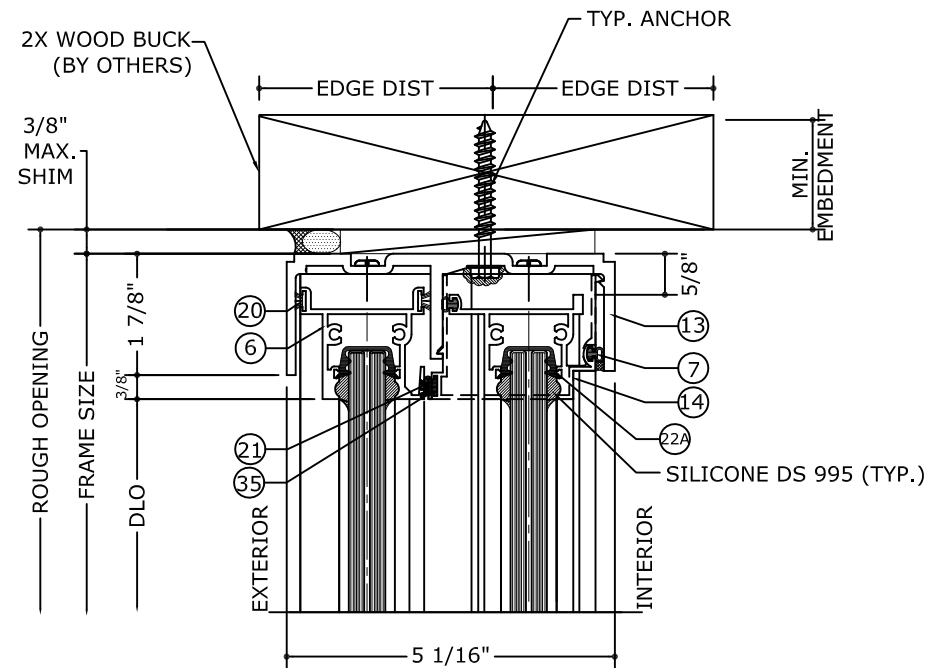
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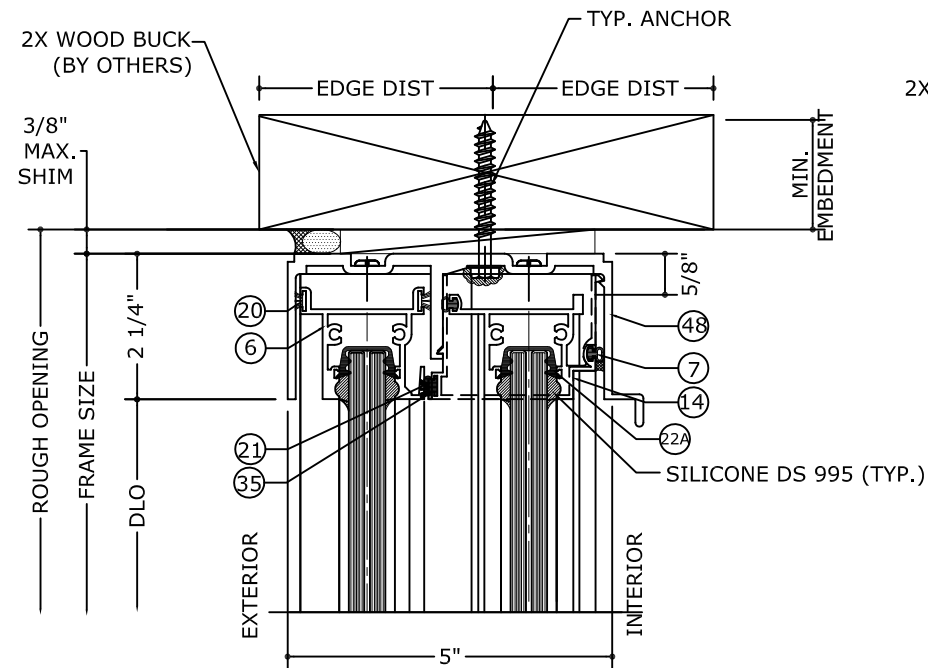
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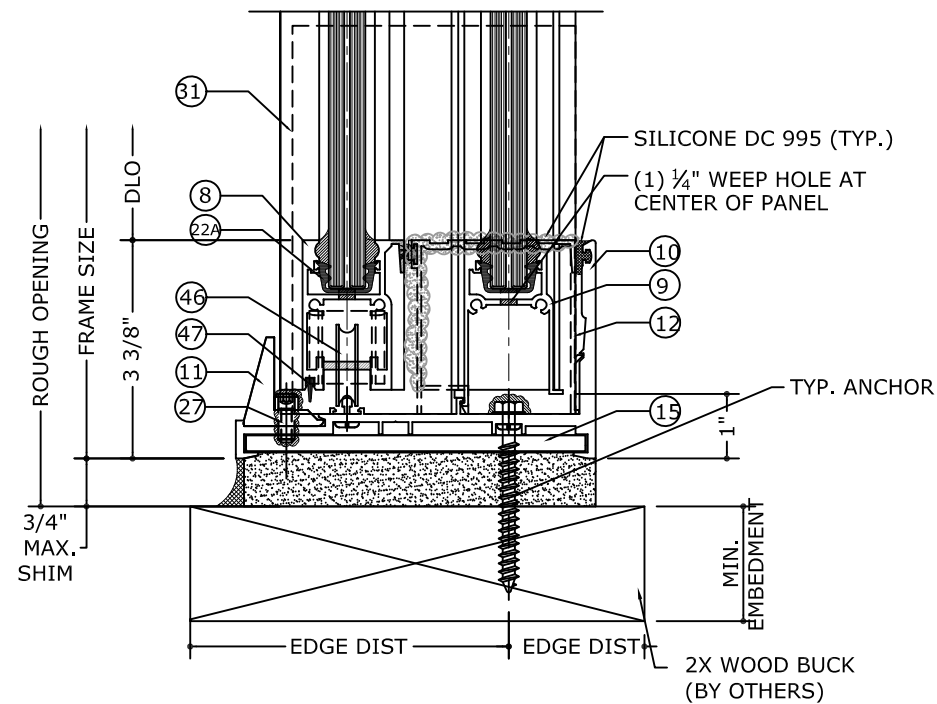
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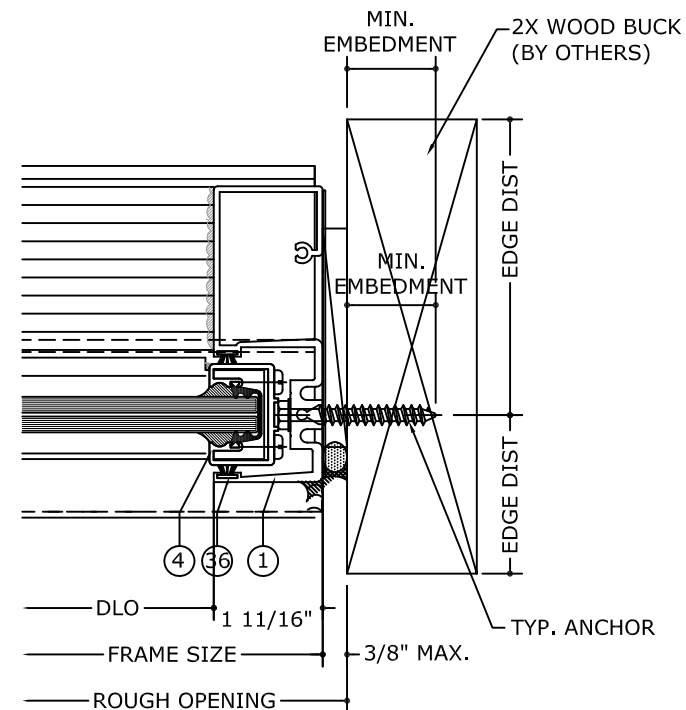
1.2 HEAD DETAIL (WOOD)  
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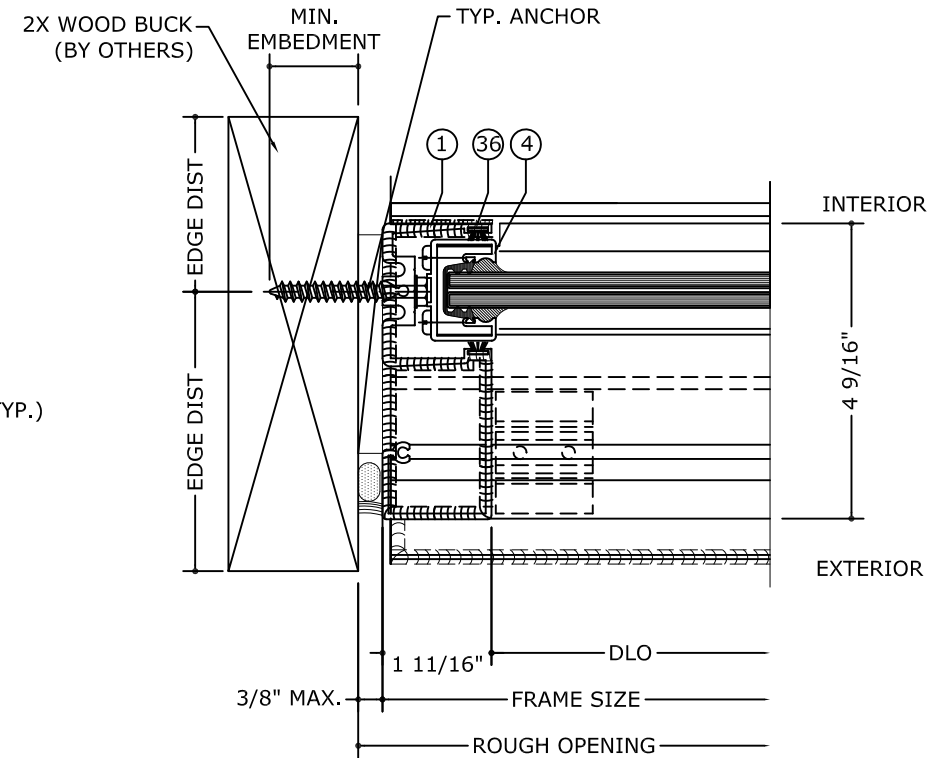
1.2A HEAD DETAIL (WOOD)  
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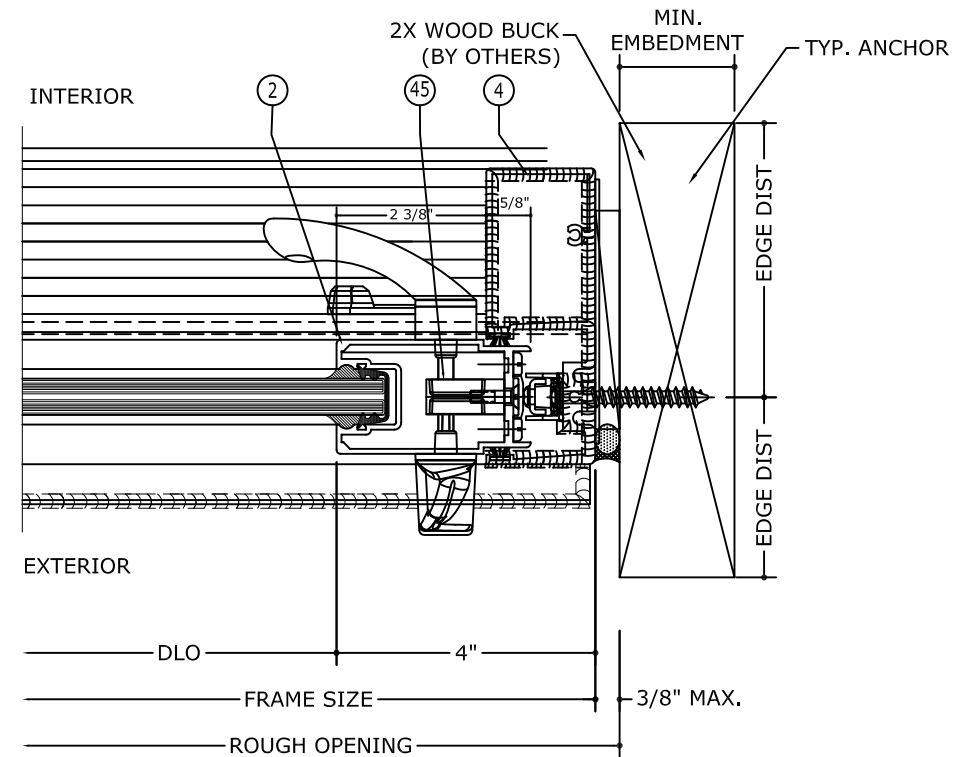
2.2 SILL DETAIL (WOOD)  
N.T.S.



3.4 FIXED JAMB DETAIL (WOOD)  
N.T.S.



3.3 FIXED JAMB DETAIL (WOOD)  
N.T.S.



4.2 OPERABLE JAMB DETAIL (WOOD)  
N.T.S.

WOOD BUCKS AND METAL STRUCTURE NOT BY BES. MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

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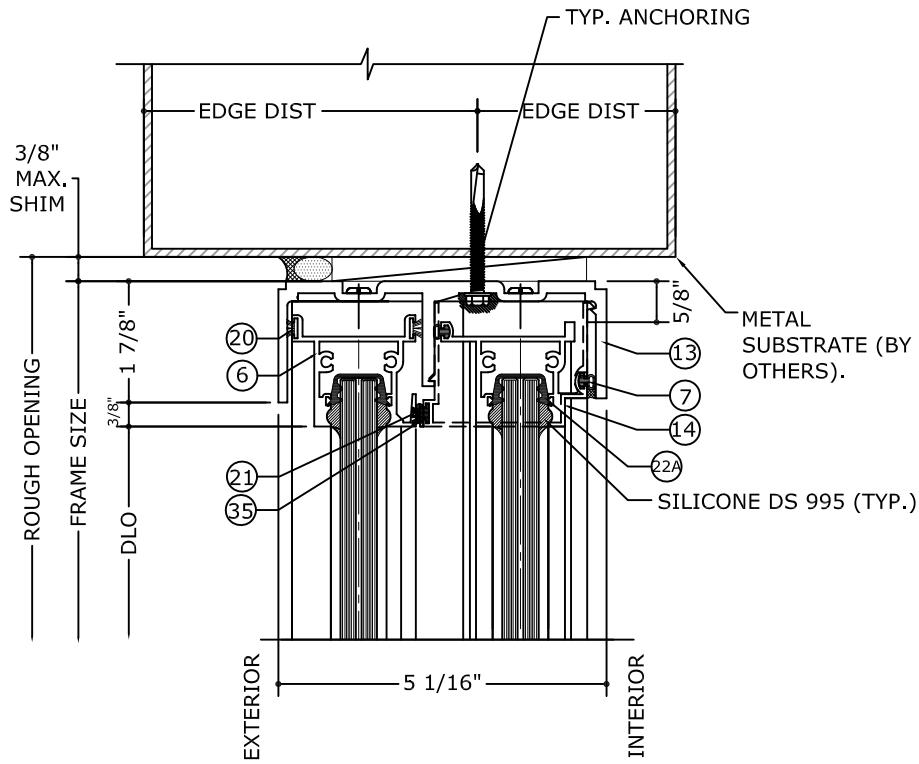
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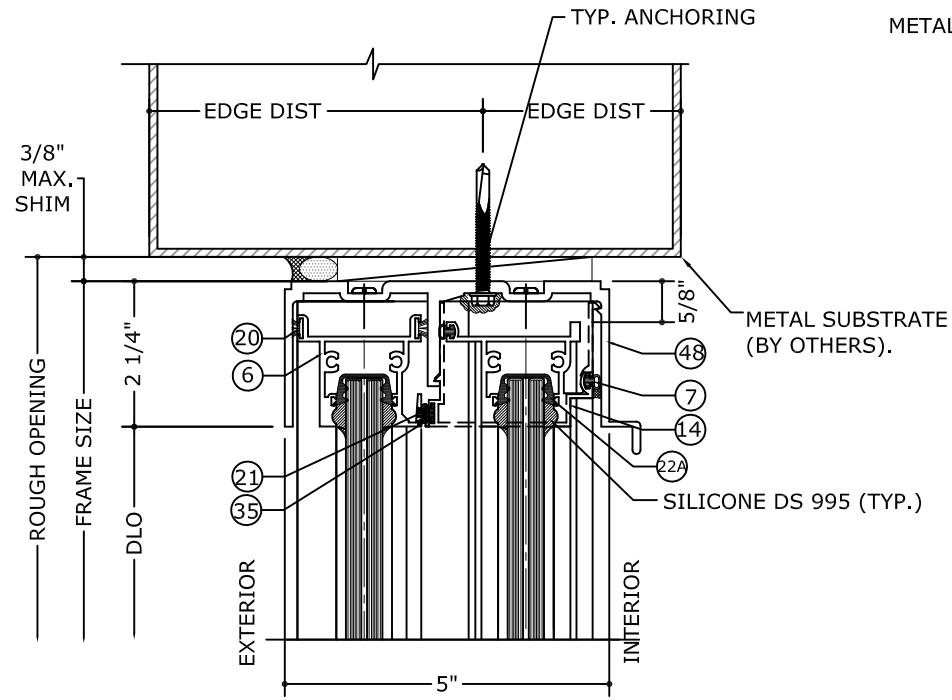
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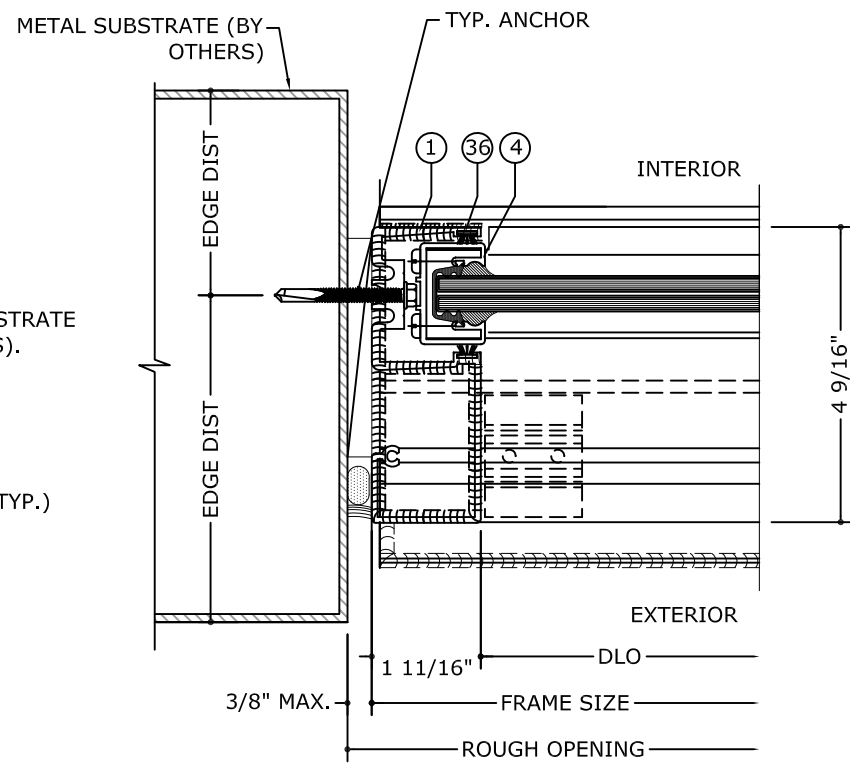
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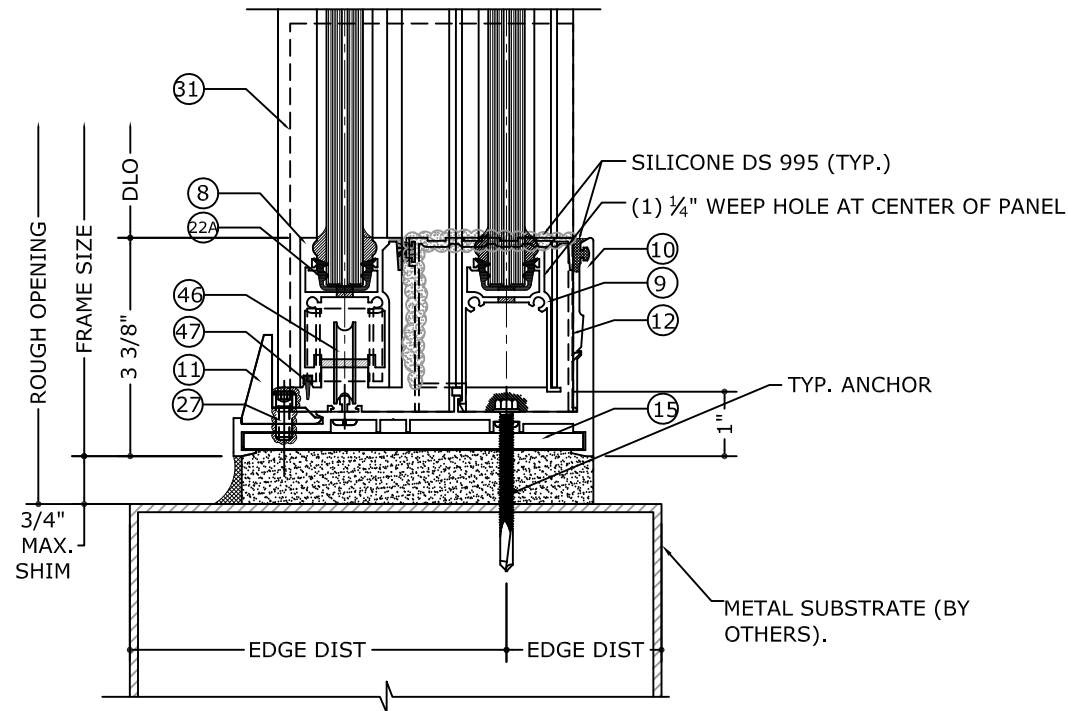
1.3 HEAD DETAIL (METAL)  
N.T.S.



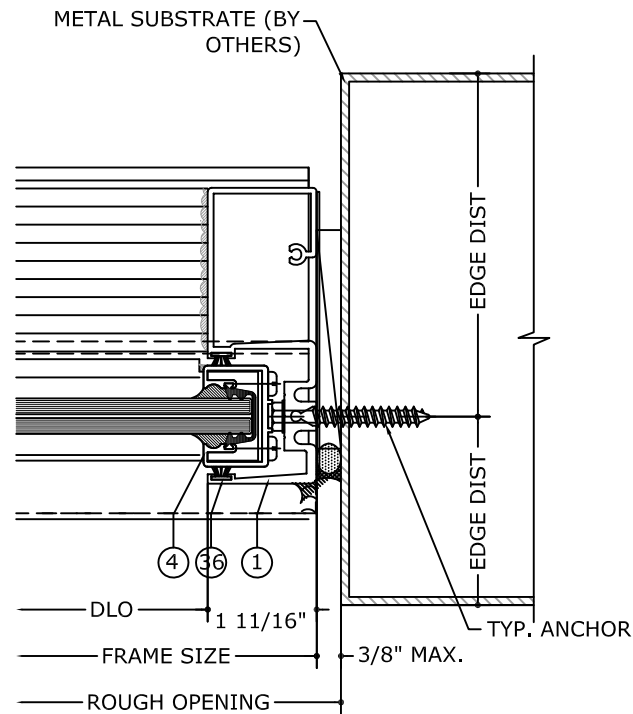
1.3A HEAD DETAIL (METAL)  
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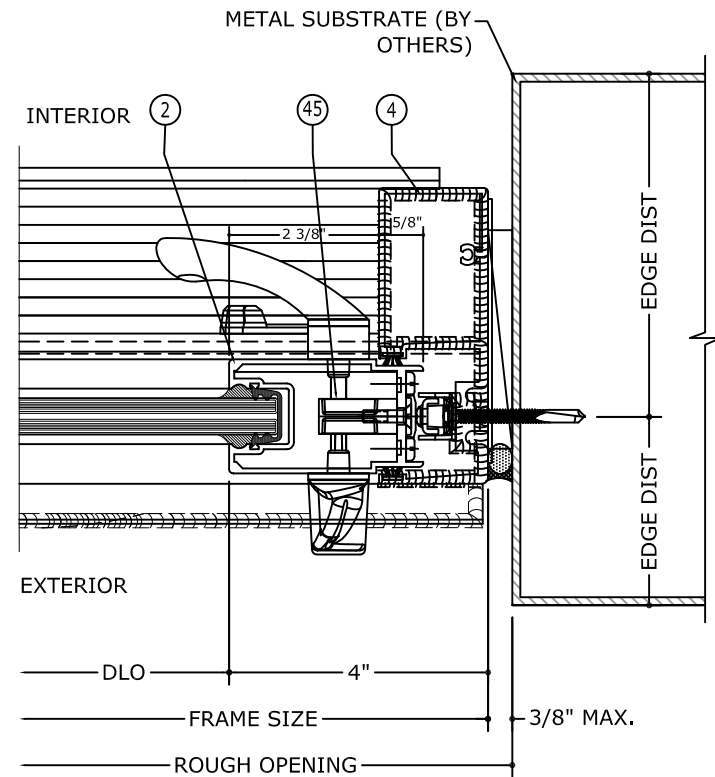
3.5 FIXED JAMB DETAIL (METAL)  
N.T.S.



2.3 SILL DETAIL (METAL)  
N.T.S.



3.6 FIXED JAMB DETAIL (METAL)  
N.T.S.



4.3 OPERABLE JAMB DETAIL (METAL)  
N.T.S.

WOOD BUCKS AND METAL STRUCTURE NOT BY BES. MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

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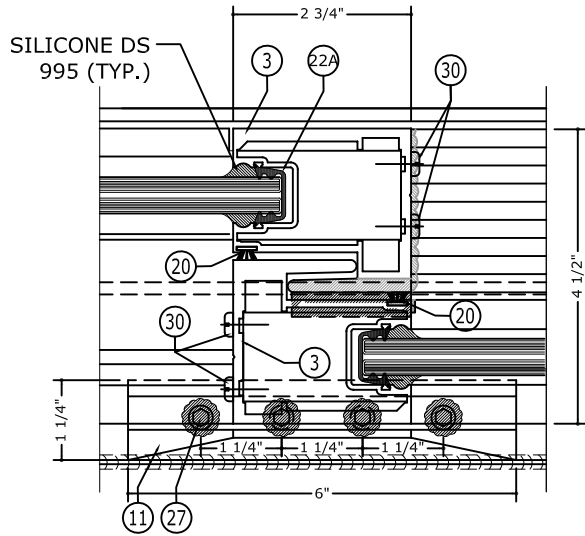
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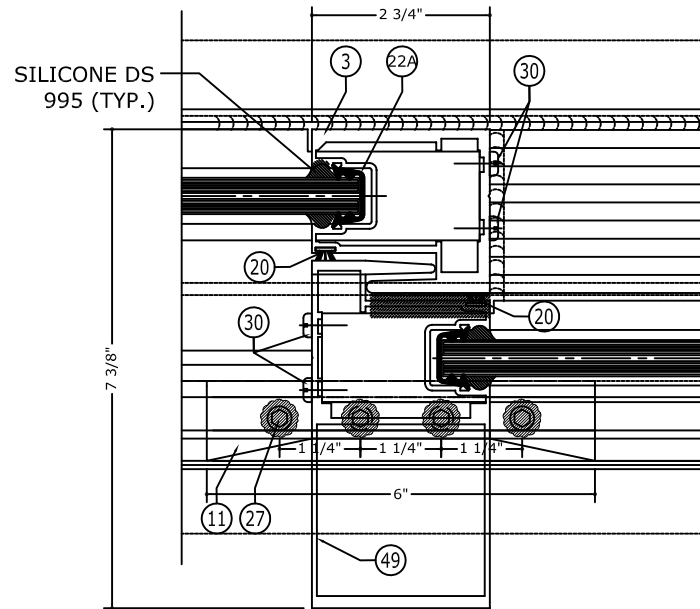
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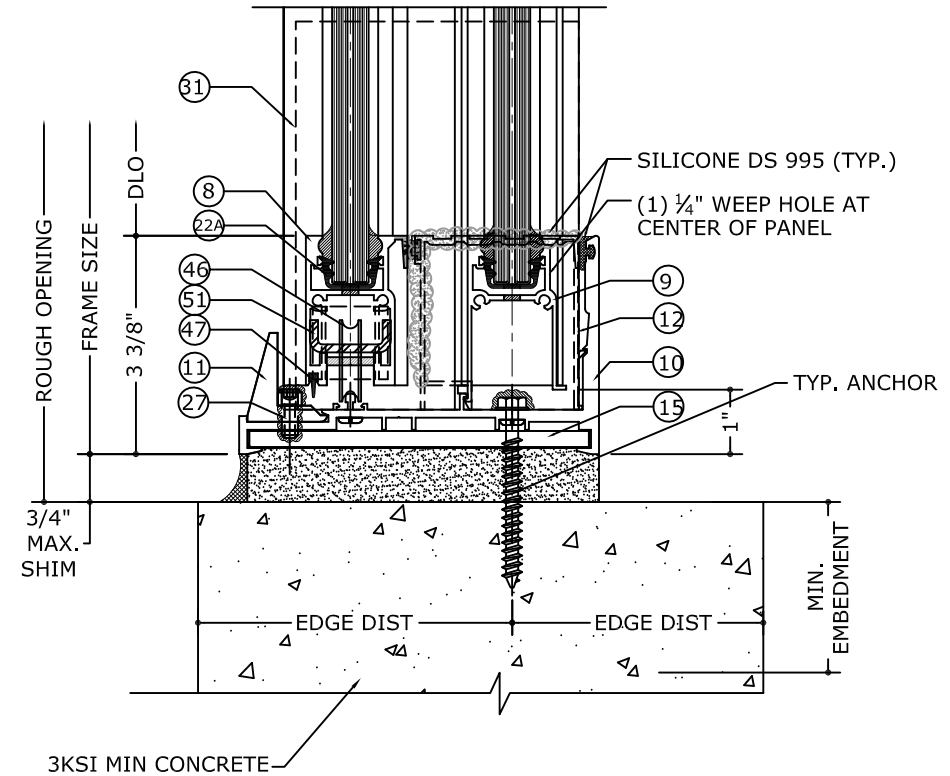
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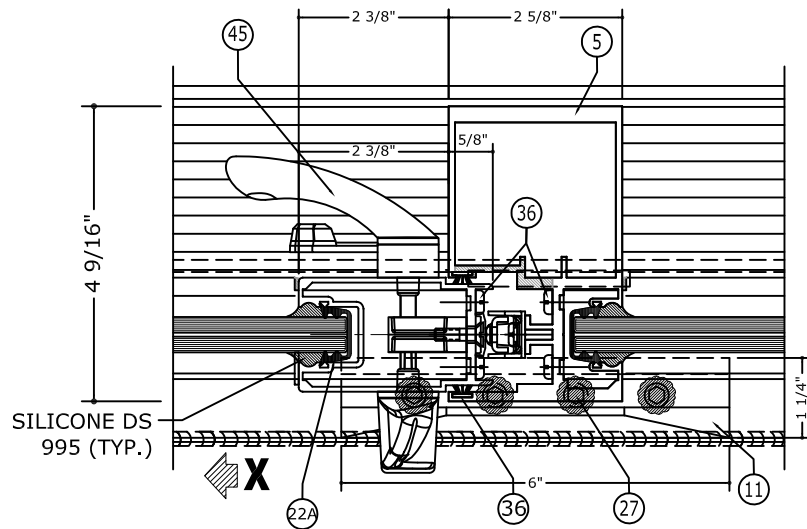
5 INTERLOCKING STILE DETAIL  
N.T.S



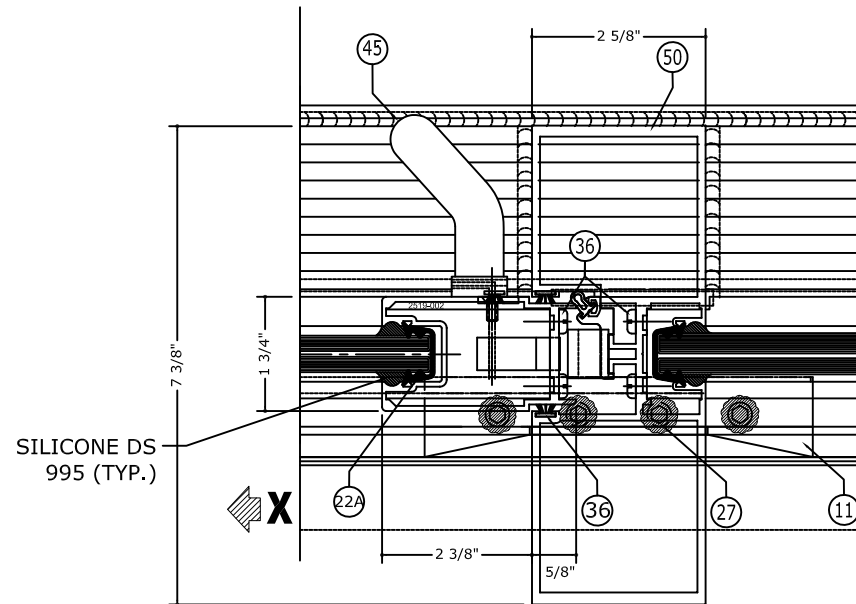
5.1 INTERLOCKING STILE DETAIL  
N.T.S



7 SILL DETAIL (CONCRETE)  
N.T.S



6 MEETING STILES DETAIL  
N.T.S



6.1 MEETING STILES DETAIL  
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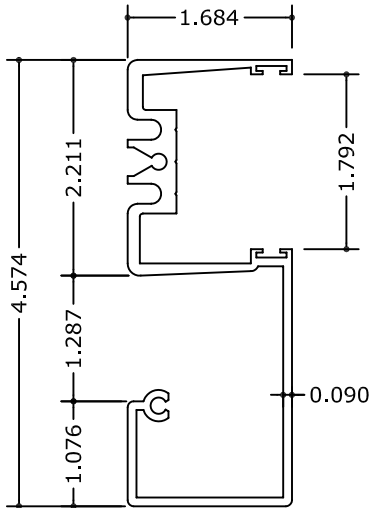
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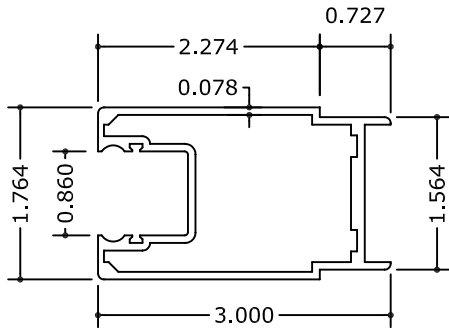
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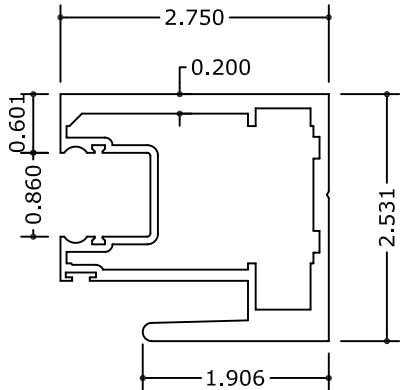
EXTRUSION DIMENSIONS



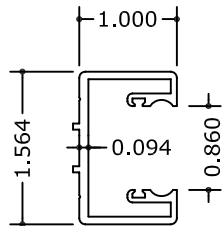
1 JAMB



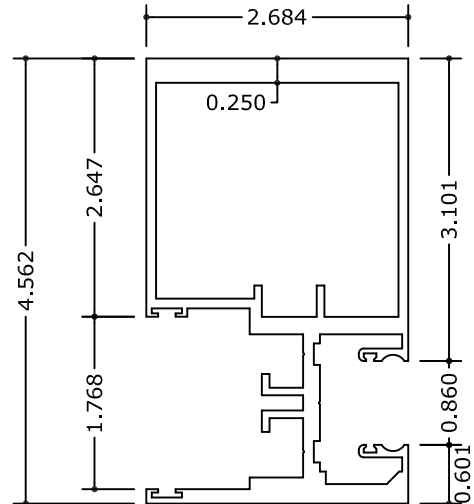
2 LOCK STILE



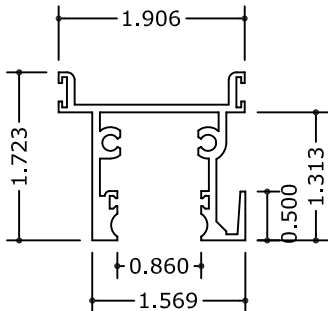
3 INTERLOCK



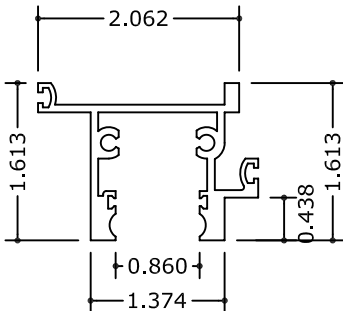
4 FIXED STILE



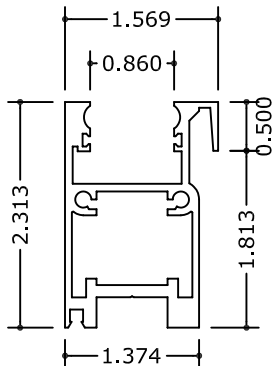
5 MEETING STILE



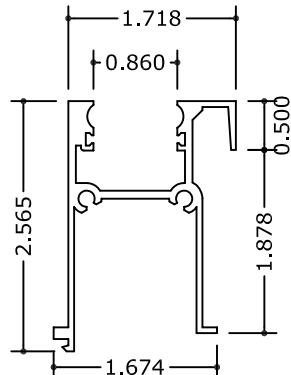
6 OUTSIDE TOP RAIL



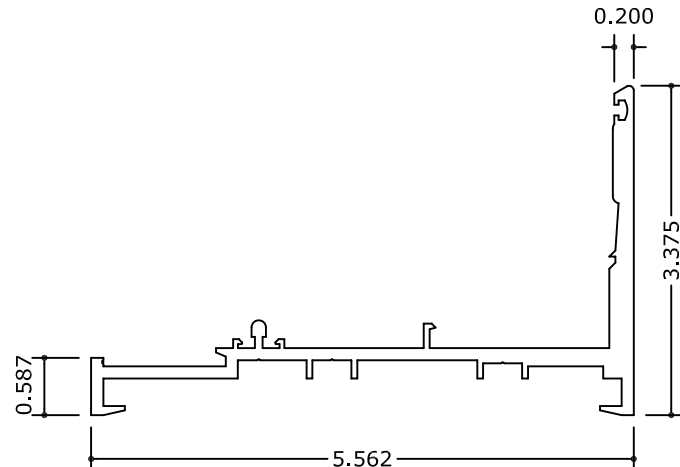
7 INSIDE TOP RAIL



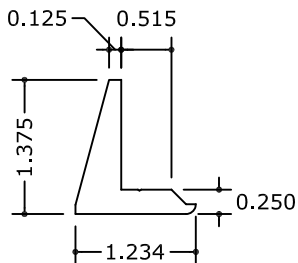
8 OUTSIDE BOTTOM RAIL



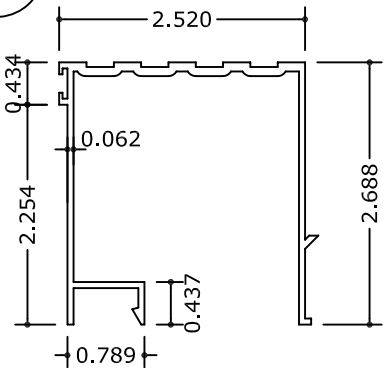
9 INSIDE BOTTOM RAIL



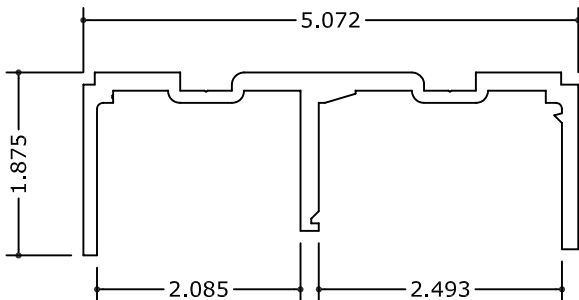
10 SILL TRACK



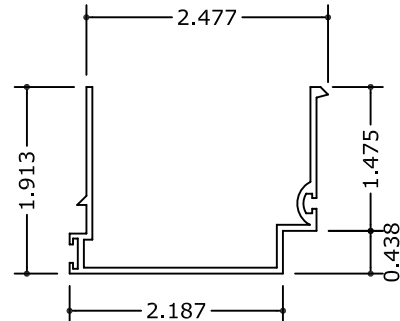
11 SILL ANCHOR



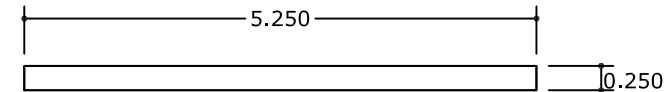
12 THRESHOLD FILLING TRACK



13 HEAD TRACK



14 HEAD ADAPTOR



15 SILL TRACK PLATE

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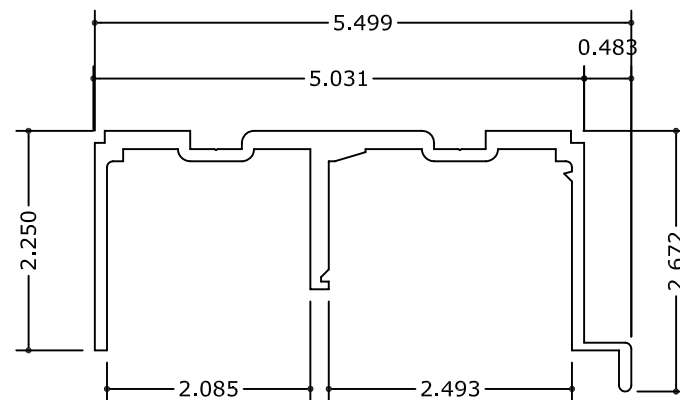
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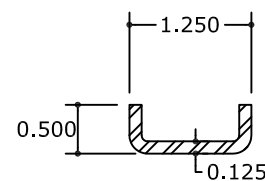
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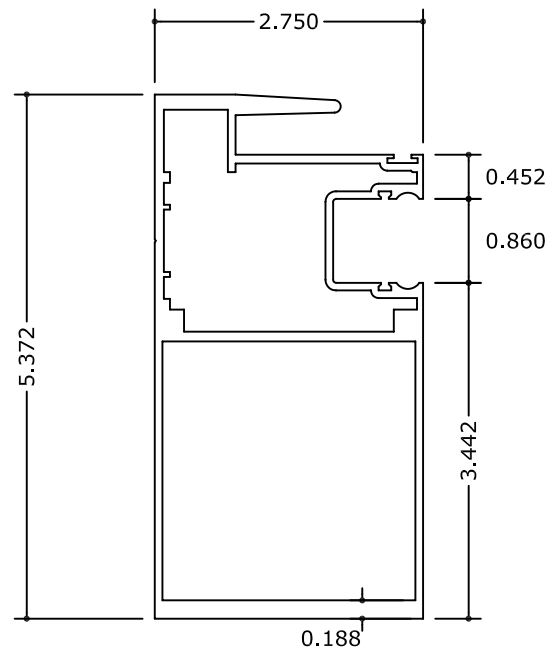
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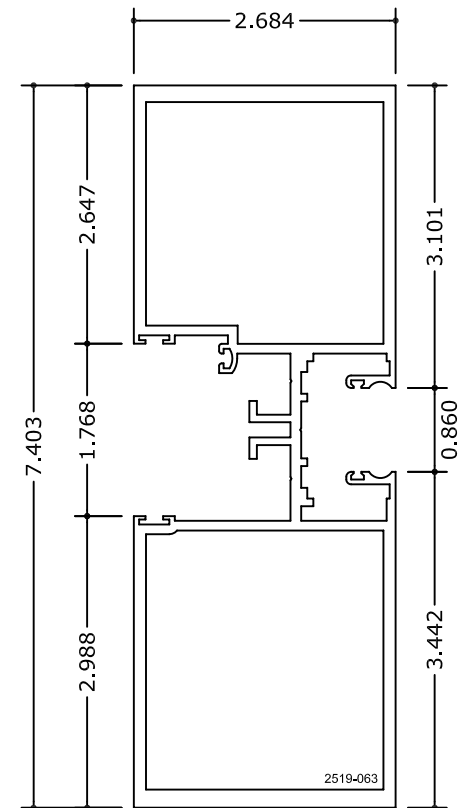
48) HEAD TRACK



51 S.S. REINFORCEMENT  
CHANNEL



49) INTERLOCK



(50) MEETING STILE

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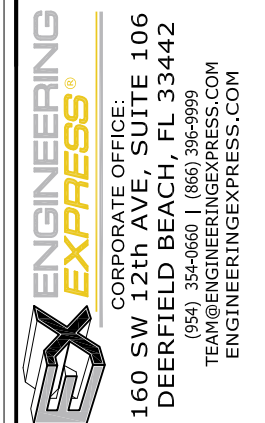
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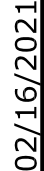
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