

6000 SERIES, MODEL 6500 SLIDING PATIO DOOR,  
LARGE MISSILE IMPACT RESISTANT,  
BYPASS AND EXTERIOR POCKET,  
3 & 4 TRACK CONFIGURATIONS

GENERAL NOTES:

- 1) THIS PRODUCT HAS BEEN EVALUATED AND IS IN COMPLIANCE WITH THE FLORIDA BUILDING CODE (FBC), INCLUDING THE "HIGH VELOCITY HURRICANE ZONE" (HVHZ). SEE FL31717.
- 2) PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- 3) WHEN USED IN THE "HVHZ", THIS PRODUCT COMPLIES WITH SECTION 1626 OF THE FLORIDA BUILDING CODE AND DOES NOT REQUIRE AN IMPACT RESISTANT COVERING.
- 4) FOR 2X STUD FRAMING CONSTRUCTION, ANCHORING OF THESE UNITS SHALL BE THE SAME AS THAT SHOWN FOR 2X BUCK MASONRY CONSTRUCTION.
- 5) SITE CONDITIONS THAT DEVIATE FROM THE DETAILS OF THIS DRAWING REQUIRE FURTHER ENGINEERING ANALYSIS BY A LICENSED ENGINEER OR REGISTERED ARCHITECT.

TABLE 1:

| Design Pressure (+/- psf) |            |           |       |          |       |          |       |      |       |      |       |      |       |           |       |
|---------------------------|------------|-----------|-------|----------|-------|----------|-------|------|-------|------|-------|------|-------|-----------|-------|
| Frame Height              | DLO Height | DLO Width |       |          |       |          |       |      |       |      |       |      |       |           |       |
|                           |            | 27-3/16"  |       | 39-3/16" |       | 40-1/16" |       | 41"  |       | 43"  |       | 46"  |       | 48-13/16" |       |
| 80"                       | 67-13/16"  | 50.0      | -55.0 | 50.0     | -55.0 | 50.0     | -55.0 | 50.0 | -55.0 | 50.0 | -55.0 | 50.0 | -55.0 | 50.0      | -55.0 |
| 84"                       | 71-13/16"  | 50.0      | -55.0 | 50.0     | -55.0 | 50.0     | -55.0 | 50.0 | -55.0 | 50.0 | -55.0 | 50.0 | -55.0 |           |       |
| 88"                       | 75-13/16"  | 50.0      | -55.0 | 50.0     | -55.0 | 50.0     | -55.0 | 50.0 | -55.0 | 50.0 | -55.0 |      |       |           |       |
| 92"                       | 79-13/16"  | 50.0      | -55.0 | 50.0     | -55.0 | 50.0     | -55.0 | 50.0 | -55.0 |      |       |      |       |           |       |
| 95-1/2"                   | 83-5/16"   | 50.0      | -55.0 | 50.0     | -55.0 | 50.0     | -55.0 |      |       |      |       |      |       |           |       |

IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED.

TABLE 3:

| Finished Frame Width (in) |           |          |          |        |        |        |           |
|---------------------------|-----------|----------|----------|--------|--------|--------|-----------|
| Configuration             | DLO Width |          |          |        |        |        |           |
|                           | 27-3/16"  | 39-3/16" | 40-1/16" | 41"    | 43"    | 46"    | 48-13/16" |
| 3 Panel 3 Track Bypass    | 103.65    | 139.65   | 142.27   | 145.09 | 151.09 | 160.09 | 168.59    |
| 3 Panel 3 Track 1 Pocket  | 97.63     | 133.63   | 136.25   | 139.06 | 145.06 | 154.06 | 162.57    |
| 4 Panel 4 Track Bypass    | 135.80    | 183.80   | 187.30   | 191.05 | 199.05 | 211.05 | 222.38    |
| 4 Panel 4 Track 1 Pocket  | 129.77    | 177.77   | 181.27   | 185.02 | 193.02 | 205.02 | 216.36    |

MAXIMUM ALLOWABLE FINISHED FRAME SQUARE FOOTAGE = 191 FT²

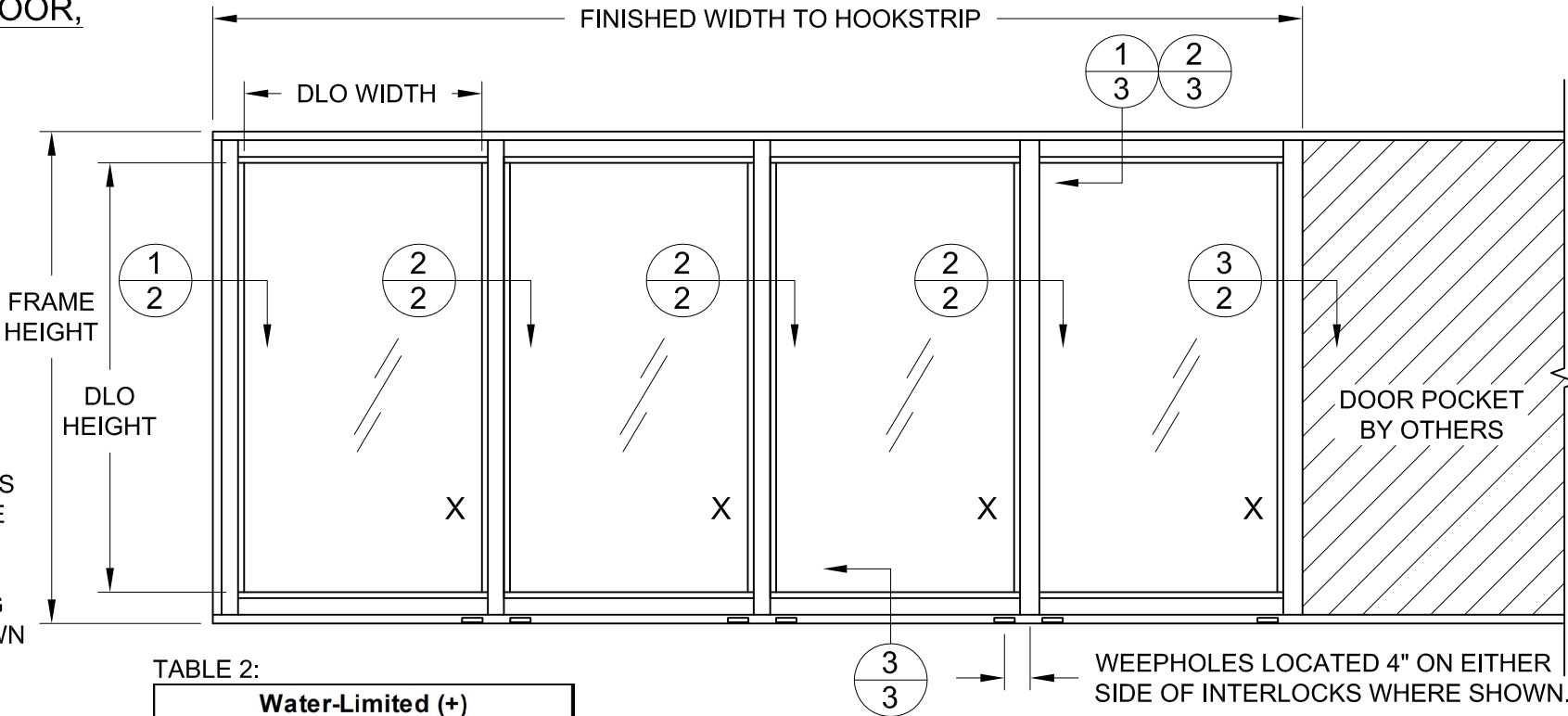


TABLE 2:

| Water-Limited (+) Design Pressure |                  |                     |
|-----------------------------------|------------------|---------------------|
| Sill Riser                        | Nom. Sill Height | Max. (+) DP Allowed |
| None                              | 1-11/16"         | See Note B          |
| Standard                          | 2-13/16"         | +30.0 psf           |
| High Dam                          | 3-3/4"           | +50.0 psf           |

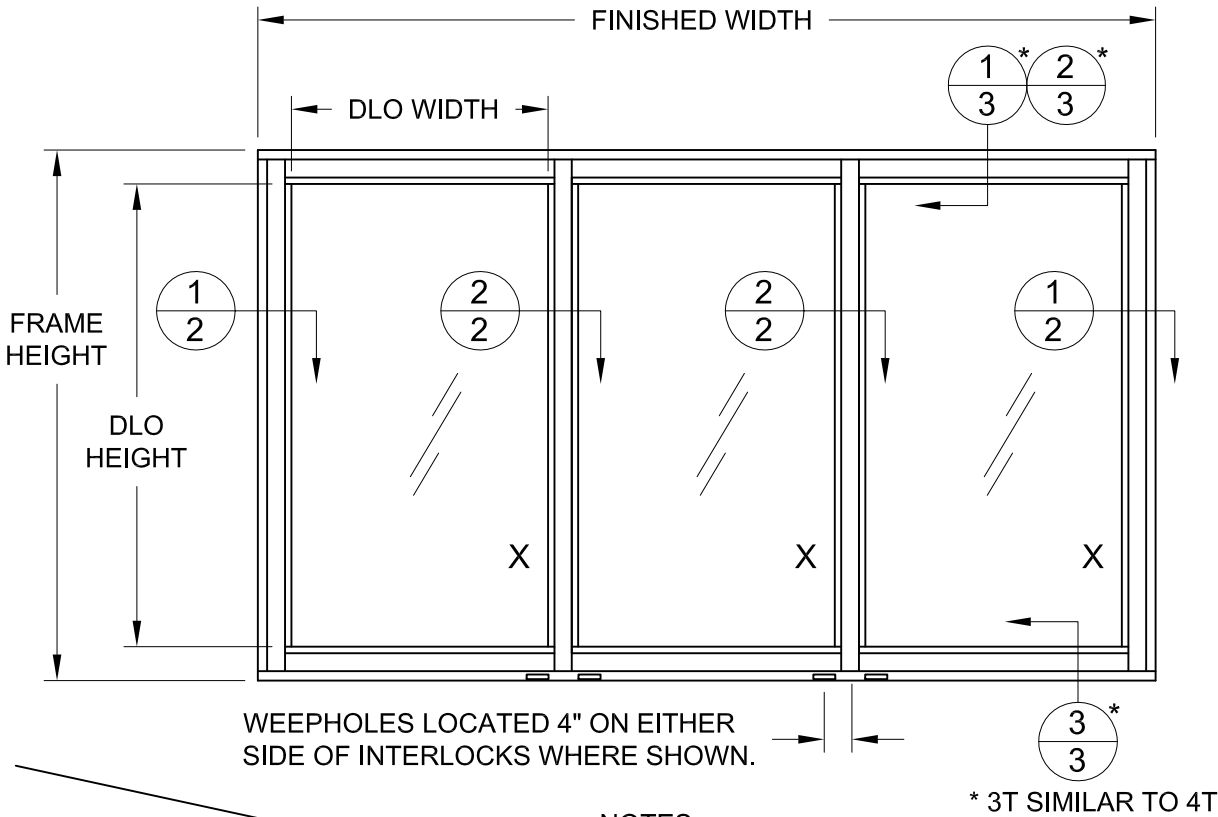


FIG 1

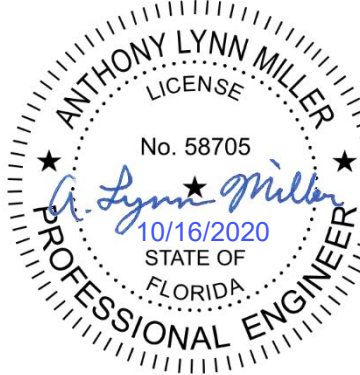
OH LENGTH

DOOR ASSEMBLIES INSTALLED WHERE THE OVERHANG (OH) LENGTH IS EQUAL TO OR GREATER THAN THE OVERHANG HEIGHT IS EXEMPTED FROM WATER INFILTRATION RESISTANCE.

NOTES:

A) IF WATER INFILTRATION RESISTANCE IS REQUIRED, THE LESSER VALUES OF EITHER TABLE 1 AND TABLE 2 DETERMINES THE WATER LIMITED (+) DP.

B) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED. IF SO, +DP'S SHOWN IN TABLE 1 MAY BE USED.



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|                                |                  |                                                     |  |                                                                                       |  |
|--------------------------------|------------------|-----------------------------------------------------|--|---------------------------------------------------------------------------------------|--|
| 6000 SERIES SLIDING GLASS DOOR |                  | TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES |  | DOERS WINDOW MANUFACTURING LLC.<br>10741 CROSSROADS COMMERCE BLVD.<br>TAMPA, FL 33610 |  |
| BY:                            | EK               |                                                     |  |                                                                                       |  |
| REVISION:                      | FBC 2020 UPDATES | DEWALT ULTRACON +                                   |  |                                                                                       |  |
| DATE:                          | 10/15/20         |                                                     |  |                                                                                       |  |
| #:                             | A                |                                                     |  |                                                                                       |  |
| DATE:                          |                  | 02/06/20                                            |  |                                                                                       |  |
| SCALE:                         |                  | NTS                                                 |  |                                                                                       |  |
| BY:                            |                  | J ROSOWSKI                                          |  |                                                                                       |  |
| DRAWING #:                     |                  | SGD6000D.19                                         |  |                                                                                       |  |
| SHEET:                         |                  | 1 OF 6                                              |  |                                                                                       |  |

- 1) CONCRETE ANCHOR LOCATIONS AT THE CORNERS MAY BE ADJUSTED TO MAINTAIN THE MINIMUM EDGE DISTANCE TO MORTOR JOINTS
- 2) CONCRETE ANCHOR LOCATIONS NOTED AS "MAX. ON CENTER" MUST BE ADJUSTED TO MAINTAIN THE MINIMUM EDGE DISTANCE TO MORTOR JOINTS, ADDITIONAL CONCRETE ANCHORS MAY BE REQUIRED TO ENSURE THE "MAX. ON CENTER" DIMENSION IS NOT EXCEEDED.
- 3) SEE BOM ON SHEET 6 FOR MORE SUBSTRATE INFORMATION.

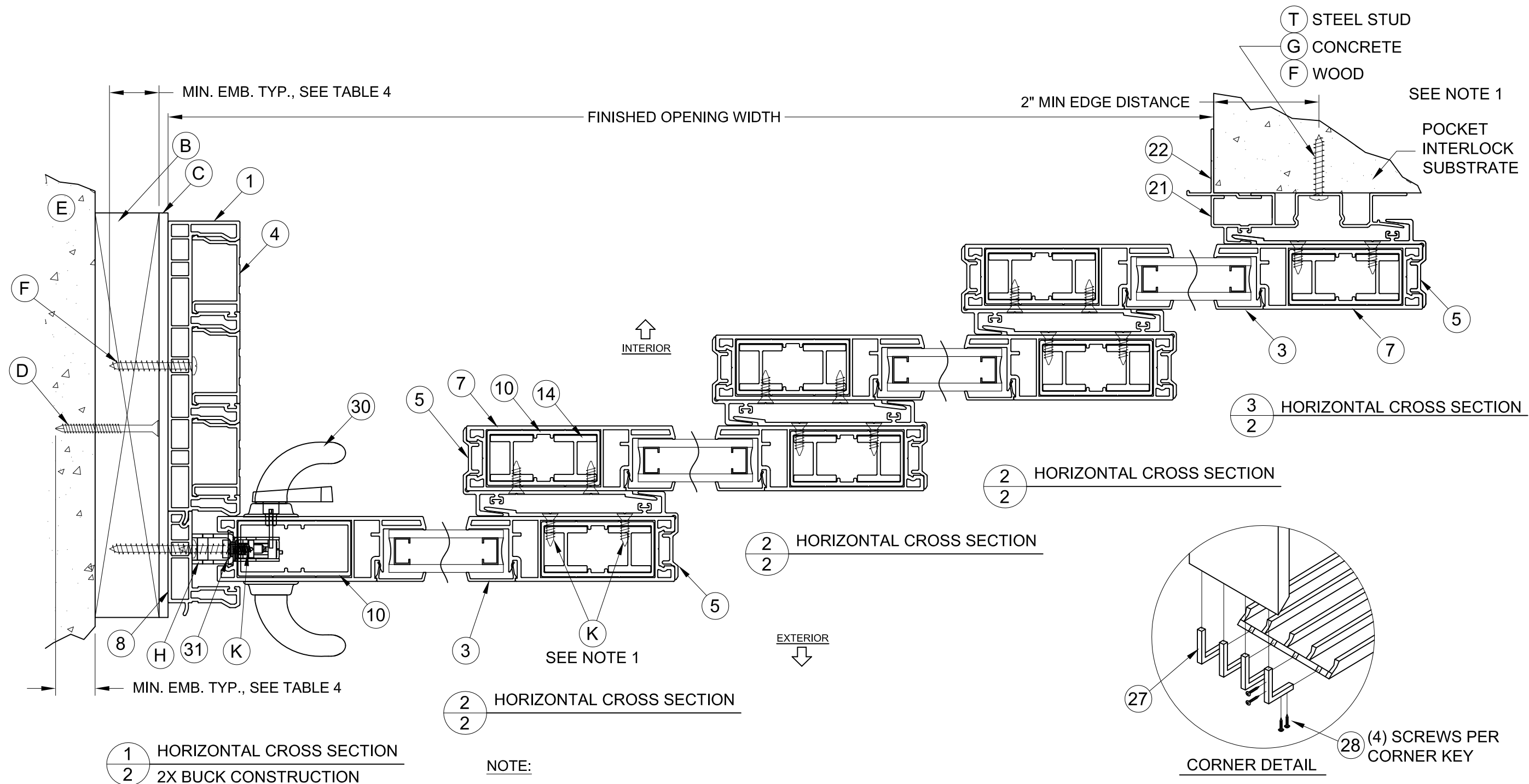
| Anchor Type           | Substrate     | Min. Embedment | Min. Edge Distance | Min. Clearance to Adjacent Anchor |
|-----------------------|---------------|----------------|--------------------|-----------------------------------|
| 1/4" Elco Ultracon    | Concrete      | 1"             | 1"                 | 4"                                |
| 1/4" Elco Ultracon    | Hollow Block  | 1-1/4"         | 1"                 | 6"                                |
| #10 SMS               | Wood or Metal | 1-3/16"        | 5/8"               | 1"                                |
| 1/4" DeWalt Ultracon+ | Concrete      | 1-3/8"         | 1"                 | 4"                                |
| 1/4" DeWalt Ultracon+ | Hollow Block  | 1-1/4"         | 1"                 | 3"                                |



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1) ITEMS #F & #K ARE LOCATED 3" FROM EACH END THEN 14.5" ON CENTER.  
2) 4 PANEL, 4 TRACK, 1 POCKET SHOWN, OTHER CONFIGURATIONS SIMILAR.

## 6000 SERIES SLIDING GLASS DOOR

HORIZONTAL CROSS SECTIONS,  
CORNER DETAIL & ANCHORAGE NOTES

DOERS WINDOW MANUFACTURING LLC.  
10741 CROSSROADS COMMERCE BLVD.  
TAMPA, FL 33610

BY:

EK

REVISION:

FBC 2020 UPDATES

DEWALT ULTRACON +

DATE:

0/15/20

|   |  |
|---|--|
| # |  |
|---|--|

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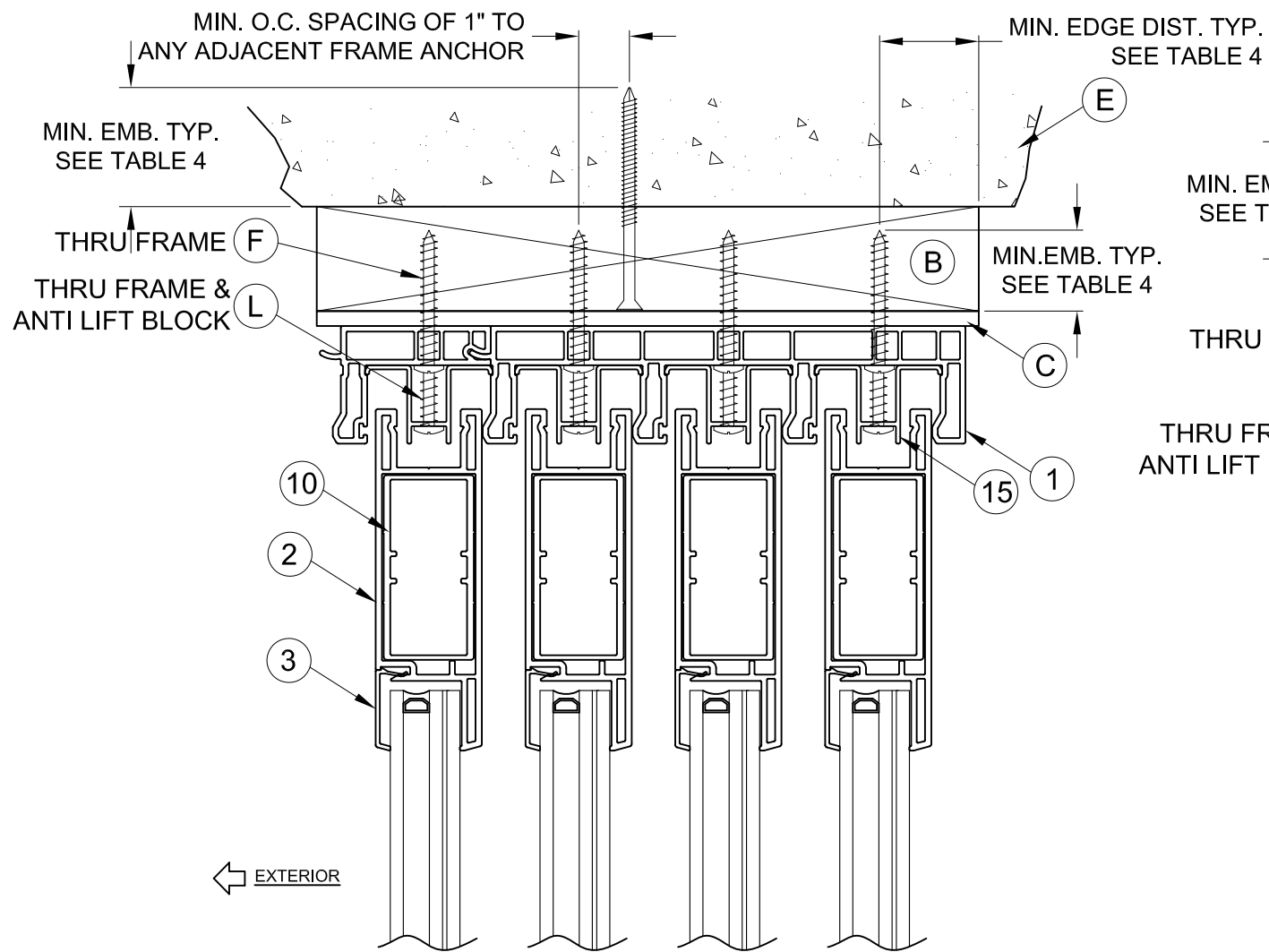
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SCALE: NTS

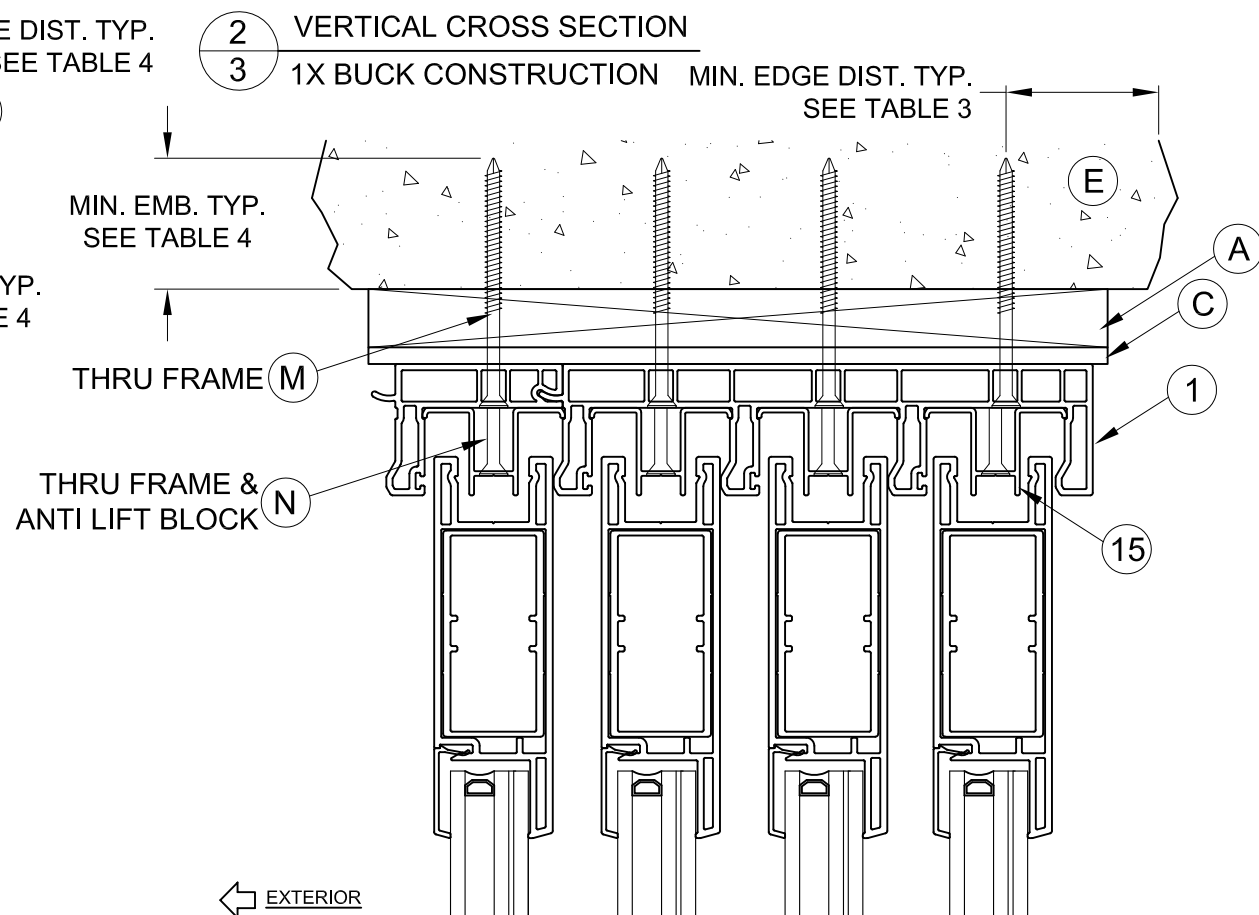
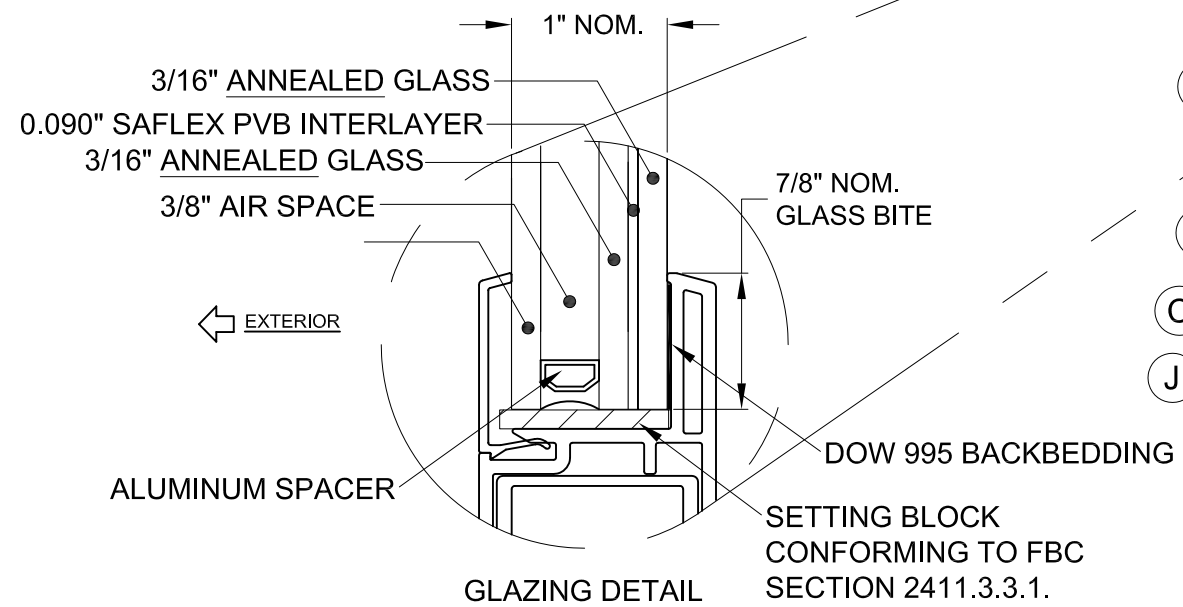
BY: J ROSOWSKI

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SGD6000D.19

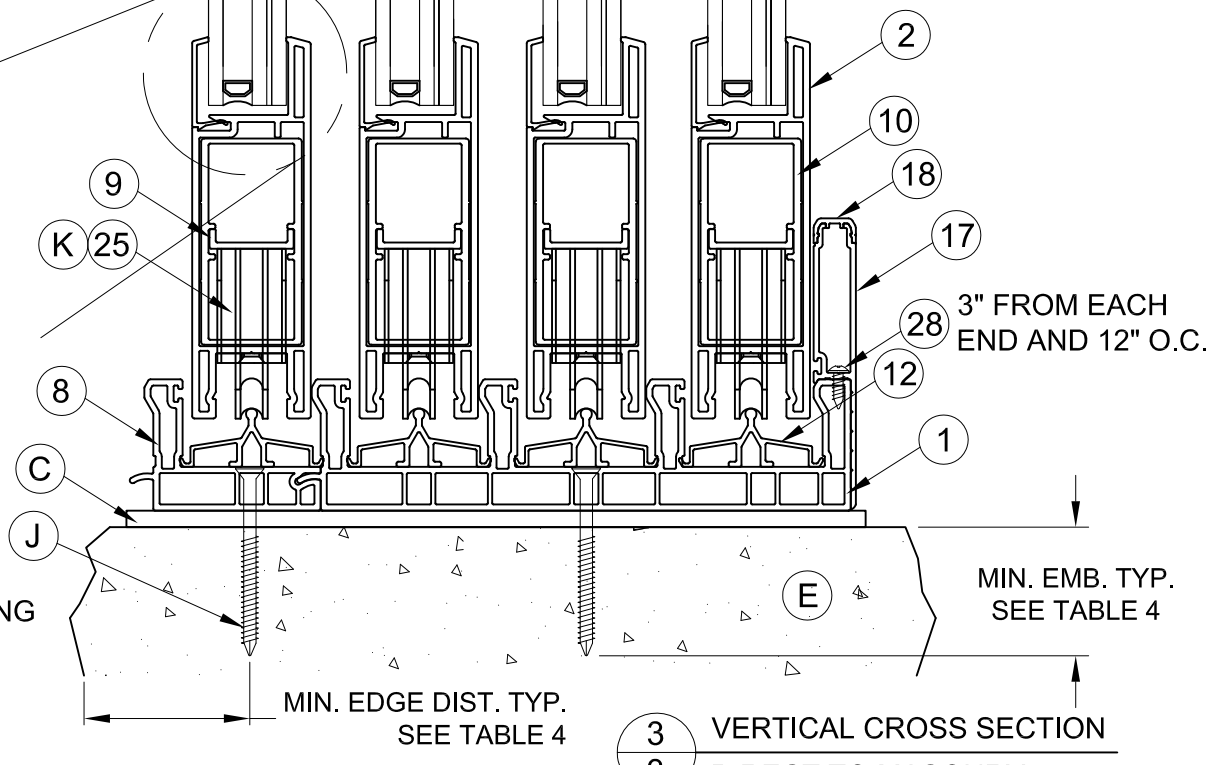
SHEET: 2 OF 6



1 VERTICAL CROSS SECTION  
3 2X BUCK CONSTRUCTION



EXTERIOR



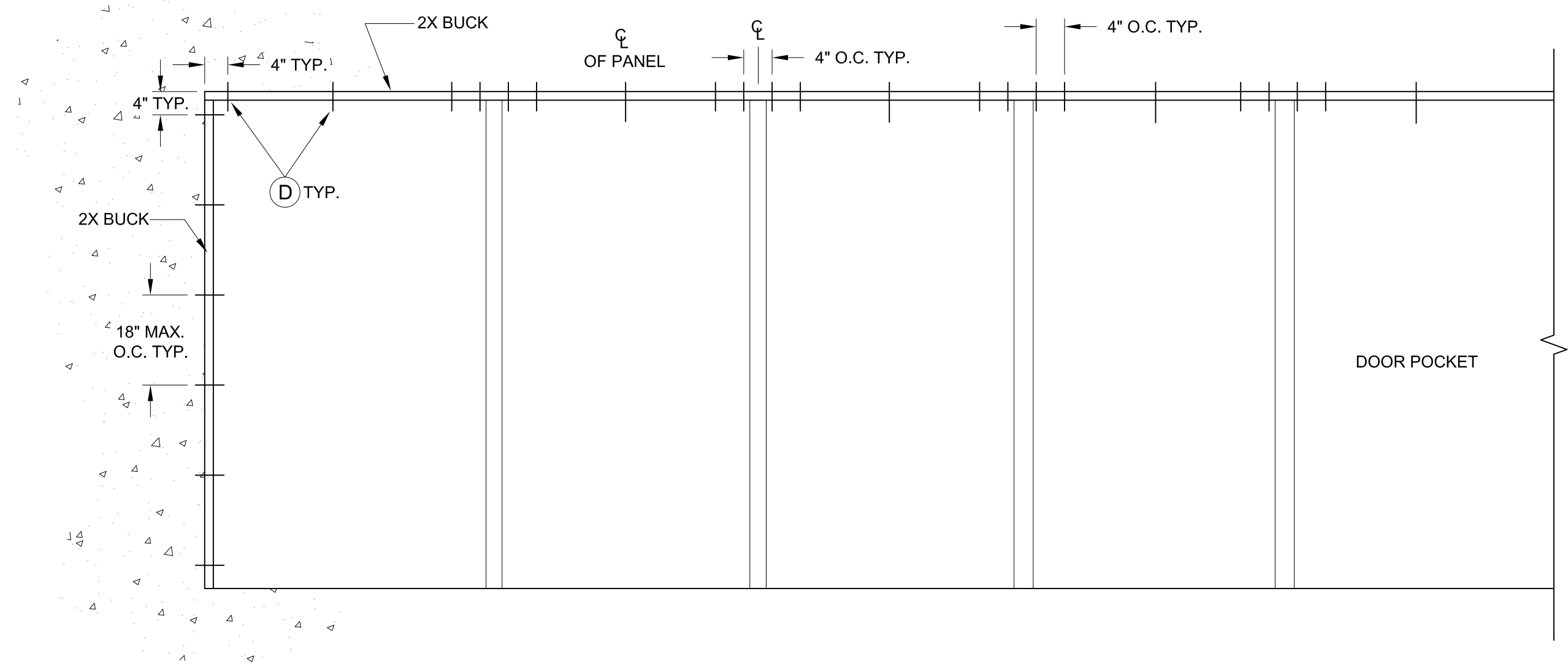
3 VERTICAL CROSS SECTION  
3 DIRECT TO MASONRY



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| VERTICAL CROSS SECTIONS<br>GLAZING DETAIL                                             | REVISION:  | FBC 2020 UPDATES<br>DEWALT ULTRACON + |
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|                                                                                       | BY:        | J ROSOWSKI                            |
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|                                                                                       | SHEET:     | 3 OF 6                                |

MASONRY OPENING

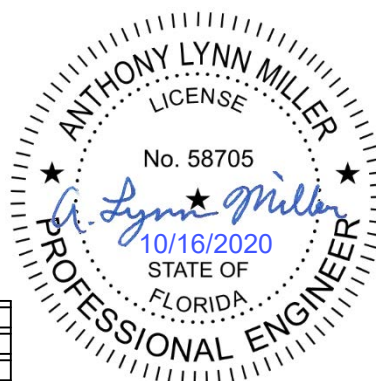
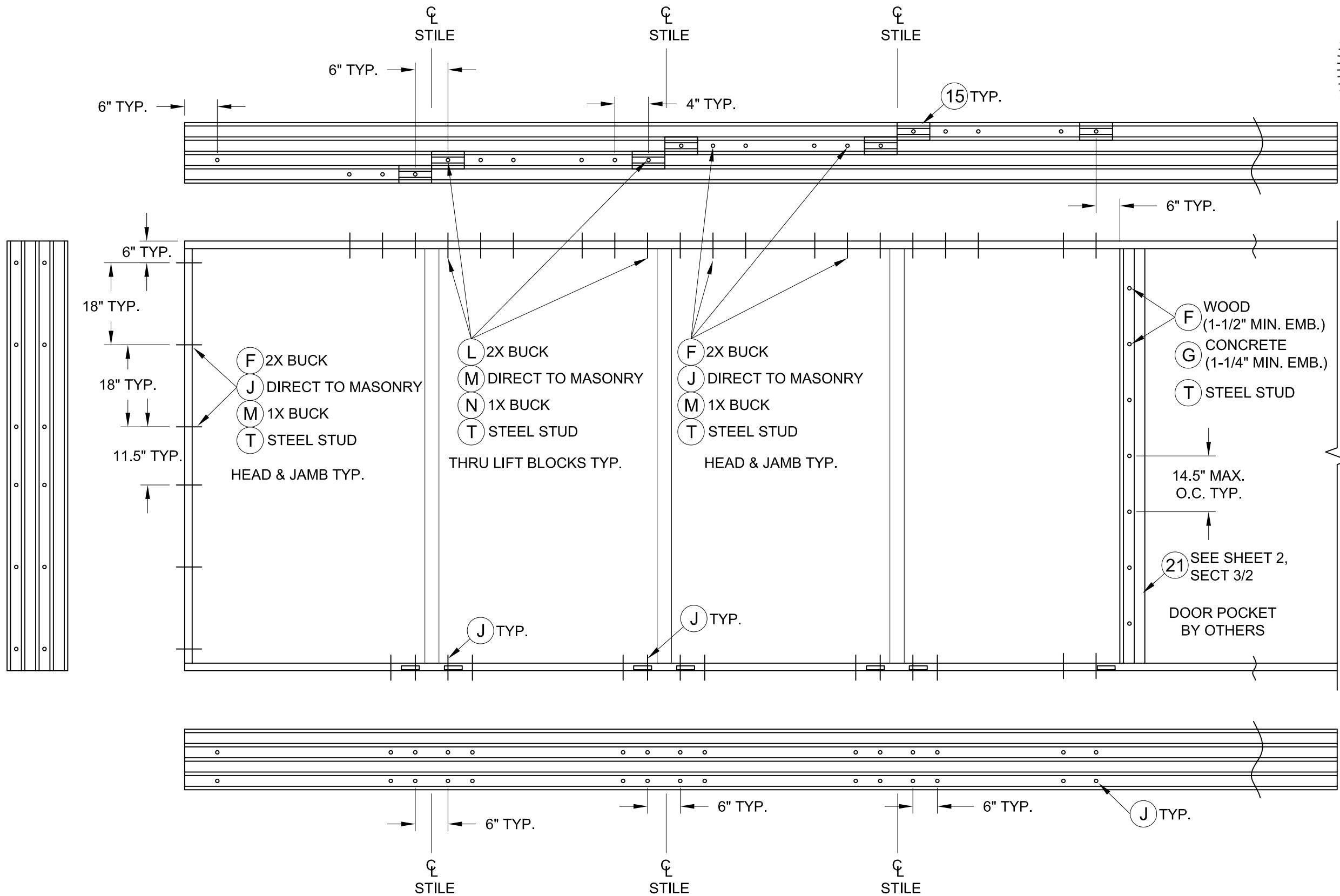


BUCK ANCHORAGE DETAIL



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|                                                                                       |  |           |                   | EK  |  |
| BUCK ANCHORING                                                                        |  |           |                   |     |  |
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| SHEET: 4 OF 6                                                                         |  |           |                   |     |  |



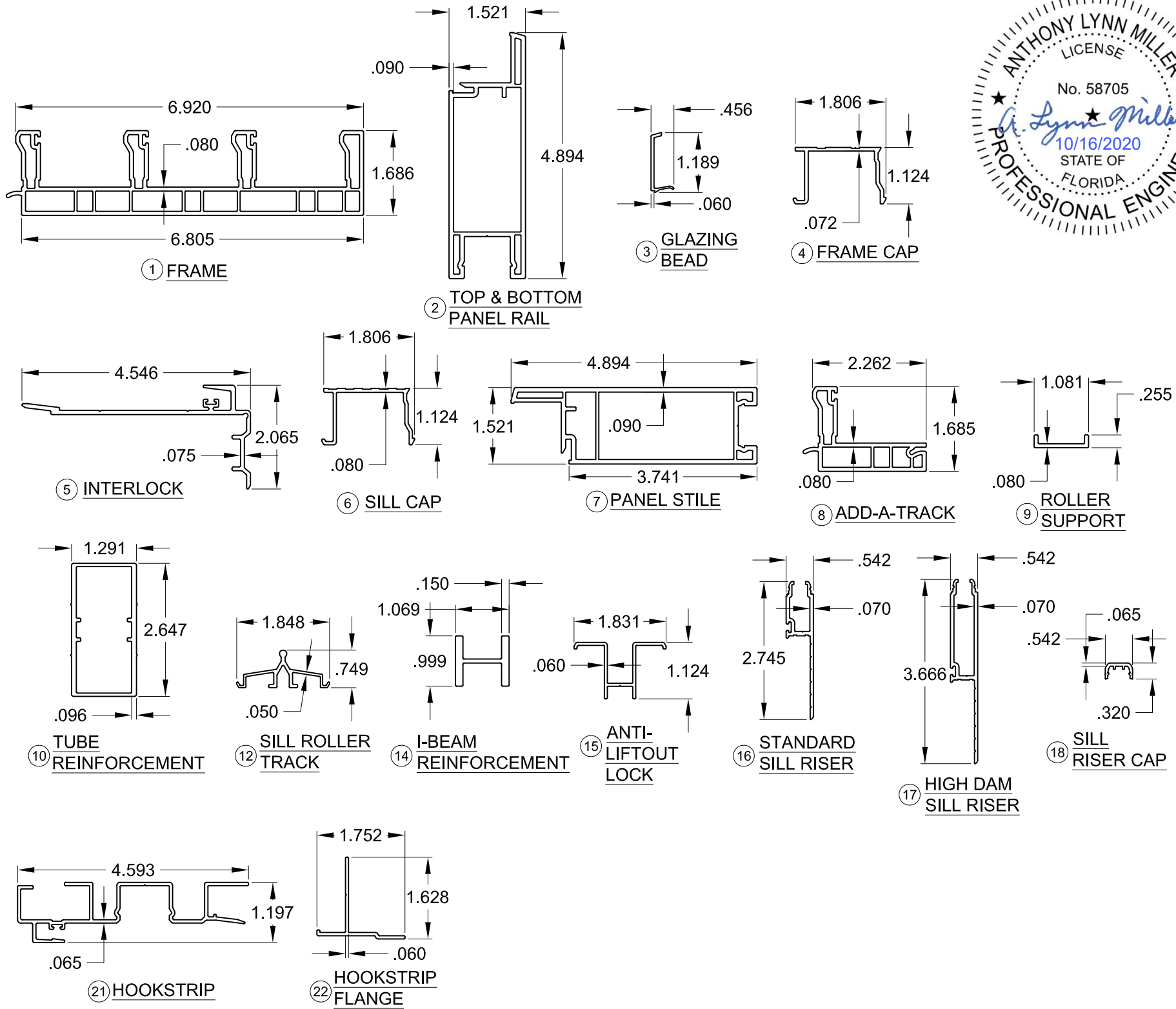
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|                                |  |  |  | EK  |                                                                                       |
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| DEWALT ULTRACON +              |  |  |  |     |                                                                                       |
|                                |  |  |  |     |                                                                                       |
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| BY: J ROSOWSKI                 |  |  |  |     |                                                                                       |
| DRAWING # :<br>SGD6000D.19     |  |  |  |     |                                                                                       |
| SHEET: 5 OF 6                  |  |  |  |     |                                                                                       |

| BILL OF MATERIALS |                                                                                              |              |
|-------------------|----------------------------------------------------------------------------------------------|--------------|
| ITEM #            | DESCRIPTION                                                                                  | MATERIAL     |
| A                 | 1X BUCK (SG>=0.42)                                                                           | WOOD         |
| B                 | 2X BUCK (SG>=0.42)                                                                           | WOOD         |
| C                 | 1/4" MAX SHIM SPACE                                                                          | -            |
| D                 | 1/4" X 2-3/4" ELCO ULTRACON OR DEWALT ULTRACON+ CONCRETE SCREW                               | STEEL        |
| E                 | MASONRY - 3000 PSI MIN CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90 | CONCRETE     |
| F                 | #10 X 2" PPH SMS                                                                             | STEEL        |
| G                 | 1/4" X 1-3/4" ELCO ULTRACON OR DEWALT ULTRACON+ CONCRETE SCREW                               | STEEL        |
| H                 | #10 X 2-1/2" PPH SMS                                                                         | STEEL        |
| J                 | 1/4" X 2-1/4" ELCO ULTRACON OR DEWALT ULTRACON+ CONCRETE SCREW                               | STEEL        |
| K                 | #8 X 1/2" PPH SMS                                                                            | STEEL        |
| L                 | #10 X 3" PPH SMS                                                                             | STEEL        |
| M                 | 1/4" X 3-1/4" ELCO ULTRACON OR DEWALT ULTRACON+ CONCRETE SCREW                               | STEEL        |
| N                 | 1/4" X 3-3/4" ELCO ULTRACON OR DEWALT ULTRACON+ CONCRETE SCREW                               | STEEL        |
| T                 | #10-16 PH SELF-DRILLING SMS (3 THREADS MIN. THRU STUD)                                       | STEEL        |
| X                 | STEEL STUD MIN THICKNESS 0.054" (ASTM A653 GRADE 50, FY=50 KSI MIN., FU=65 KSI MIN.)         | STEEL        |
| 1                 | FRAME                                                                                        | PVC          |
| 2                 | TOP & BOTTOM PANEL STILE                                                                     | PVC          |
| 3                 | GLAZING BEAD                                                                                 | PVC          |
| 4                 | FRAME CAP                                                                                    | PVC          |
| 5                 | SINGLE INTERLOCK                                                                             | 6063 T5 ALUM |
| 6                 | SILL CAP                                                                                     | 6063 T5 ALUM |
| 7                 | PANEL STILE                                                                                  | PVC          |
| 8                 | ADD-A-TRACK                                                                                  | PVC          |
| 9                 | ROLLER SUPPORT                                                                               | 6063 T5 ALUM |
| 10                | TUBE REINFORCEMENT                                                                           | 6063 T5 ALUM |
| 12                | SILL ROLLER TRACK                                                                            | 6063 T5 ALUM |
| 14                | I-BEAM REINFORCEMENT                                                                         | 6063 T5 ALUM |
| 15                | ANTI-LIFTOUT BLOCK                                                                           | 6063 T5 ALUM |
| 16                | STANDARD SILL RISER                                                                          | 6063 T5 ALUM |
| 18                | SILL RISER CAP                                                                               | 6063 T5 ALUM |
| 21                | HOOKSTRIP                                                                                    | 6063 T5 ALUM |
| 22                | HOOKSTRIP FLANGE                                                                             | 6063 T5 ALUM |
| 25                | ROLLER ASSEMBLY                                                                              | STEEL        |
| 27                | CORNER KEY                                                                                   | PVC          |
| 28                | #8 X 1-1/2" PPH SMS                                                                          | STEEL        |
| 30                | LOCK AND HANDLE                                                                              | -            |
| 31                | STRIKE PLATE                                                                                 | -            |

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\* ADD AT LEAST 1/8" TO ANCHOR LENGTHS WHEN USING DEWALT ULTRACON+, SEE TABLE 3 FOR MIN. EMBEDMENTS.



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| BY:                            | EK       |                                |                   |                                                                                       |  |
| REVISION:                      |          |                                |                   |                                                                                       |  |
| DATE:                          | 10/15/20 | FBC 2020 UPDATES               |                   |                                                                                       |  |
| #:                             | A        |                                | DEWALT ULTRACON + |                                                                                       |  |
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| BY:                            |          | J ROSOWSKI                     |                   |                                                                                       |  |
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| SHEET:                         |          | 6 OF 6                         |                   |                                                                                       |  |