

GLAZED STEEL DOUBLE DOOR

INSWING / OUTSWING

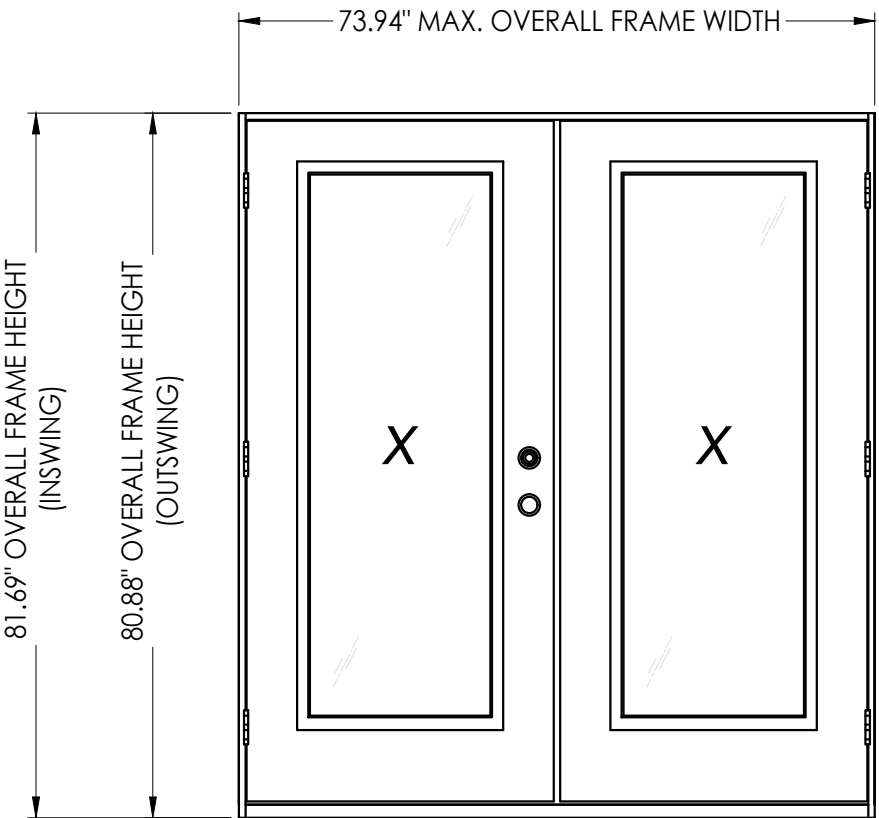
"NON-IMPACT"

GENERAL NOTES

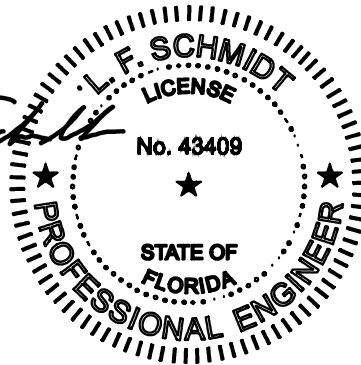
1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
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.

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| SHEET # | DESCRIPTION                                          |
|---------|------------------------------------------------------|
| 1       | Typical Elevations, Design Pressures & General Notes |
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| 5       | Buck & Frame Anchoring & Hardware Details            |
| 6       | Bill of Materials & Components                       |



| CONFIG. | MAX. FRAME DIMENSION | DESIGN PRESSURE (PSF) |       | DESIGN PRESSURE (PSF) |       |
|---------|----------------------|-----------------------|-------|-----------------------|-------|
|         |                      | INSWING               |       | OUTSWING              |       |
|         |                      | POS.                  | NEG.  | POS.                  | NEG.  |
| XX      | 73.94" x 81.69"      | +40.0                 | -45.0 | +35.0                 | -35.0 |



Digitally signed by  
Lyndon F Schmidt  
Date: 2023.09.13  
16:39:19 -04'00'

This item has been digitally signed and sealed by  
L. F. Schmidt, P.E. on the date adjacent to the seal.  
Printed copies of this document are not  
considered signed and sealed and the signature  
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID  
ONLY FOR THE STATE OF FLORIDA

Documents Prepared By:  
Lyndon F. Schmidt  
P.E. No. 43409

BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

RW

PRODUCT: NOVATECH STEEL DOOR  
PART OR ASSEMBLY:  
TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

| NO. | DATE     | REVISIONS                        |
|-----|----------|----------------------------------|
| 3   | 9/13/23  | UPDATE TO 8TH ED. (2023) FBC LFS |
| 2   | 10/01/20 | UPDATE TO 7TH ED. (2020) FBC LFS |
| 1   | 10/05/17 | UPDATE TO 6th ED. (2017) FBC JK  |
|     |          | BY                               |

DATE: 6/30/16

SCALE: N.T.S.

DWG. BY: JK

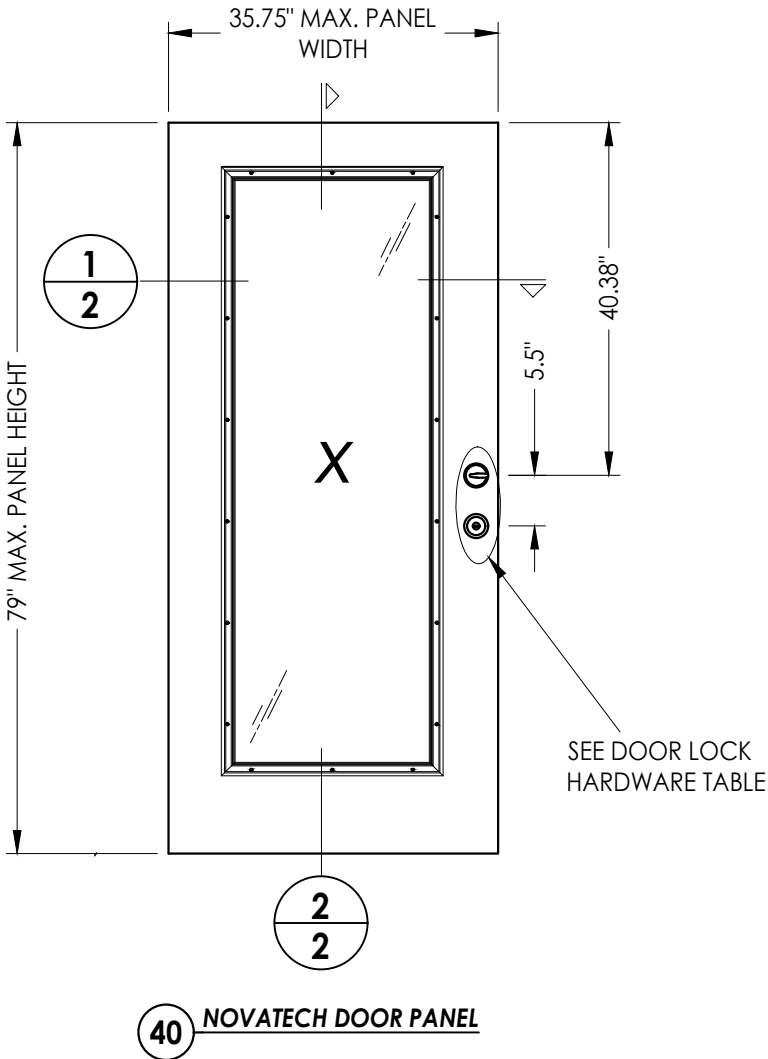
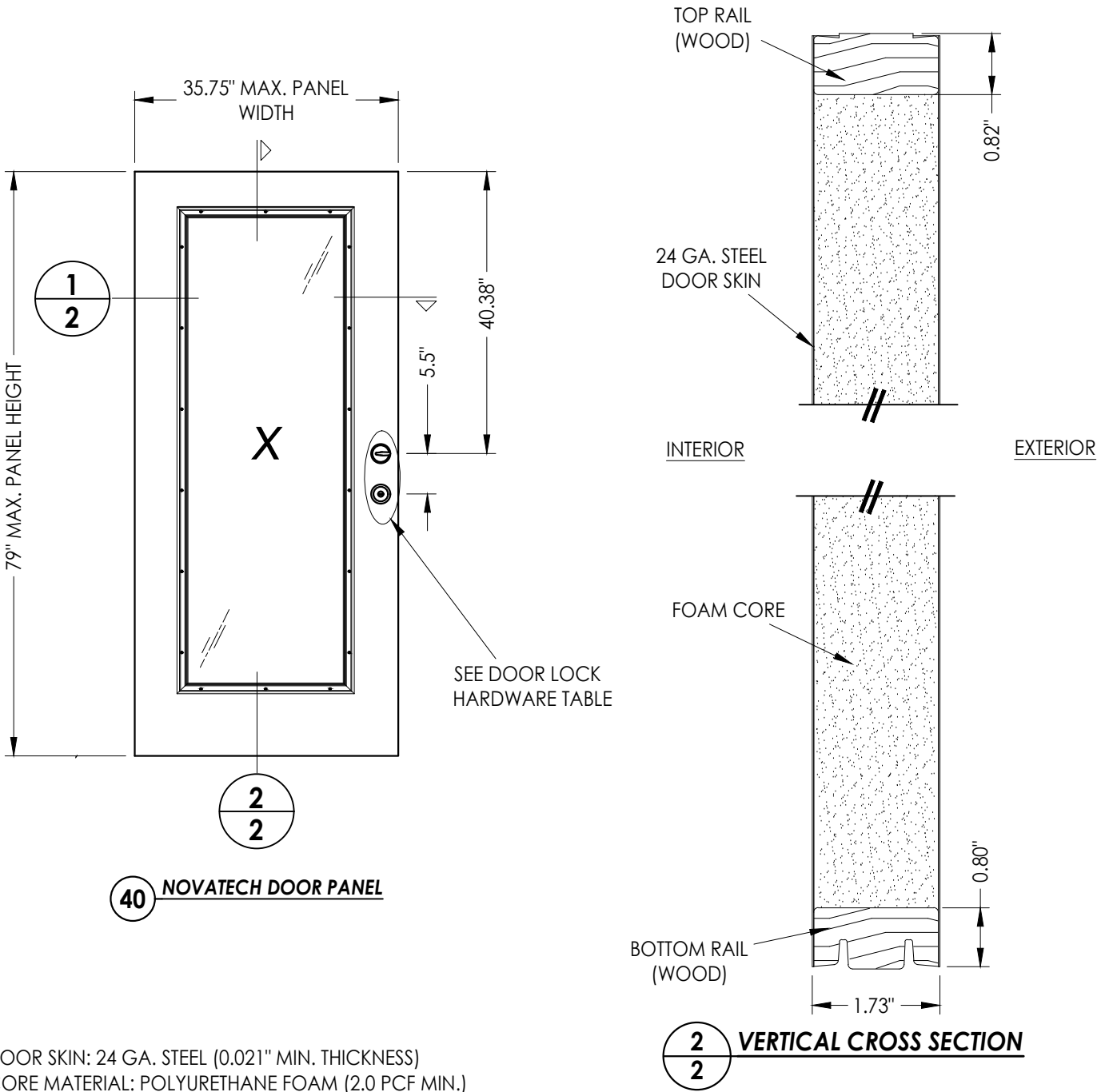
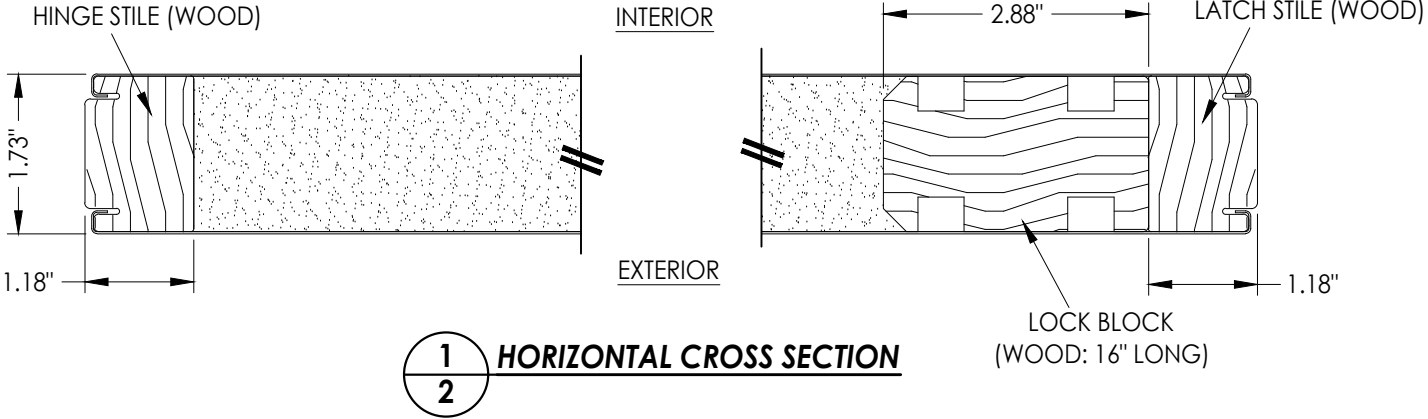
CHK. BY: LFS

DRAWING NO.:

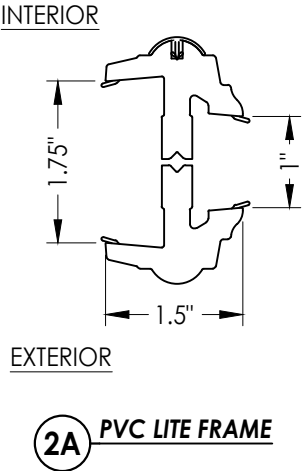
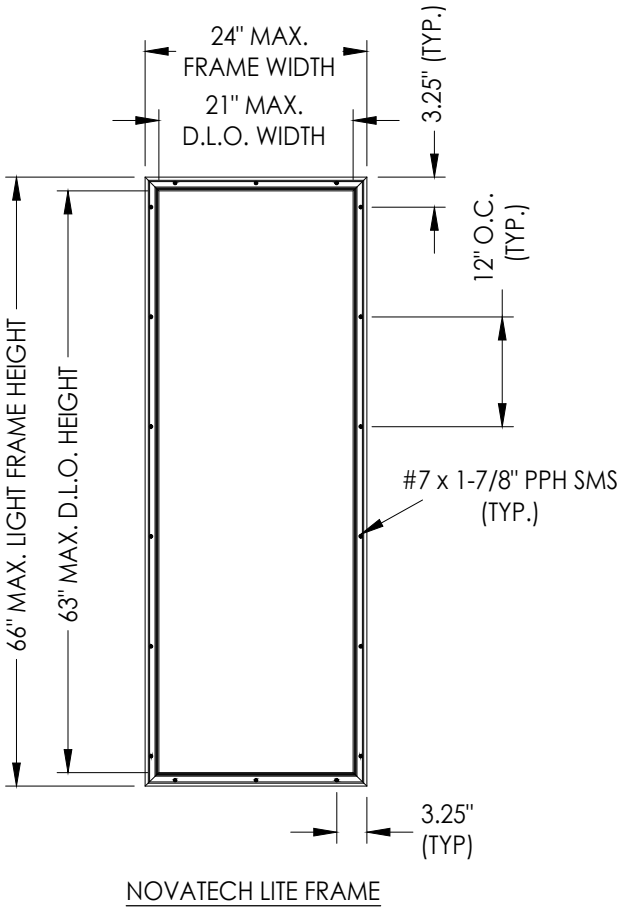
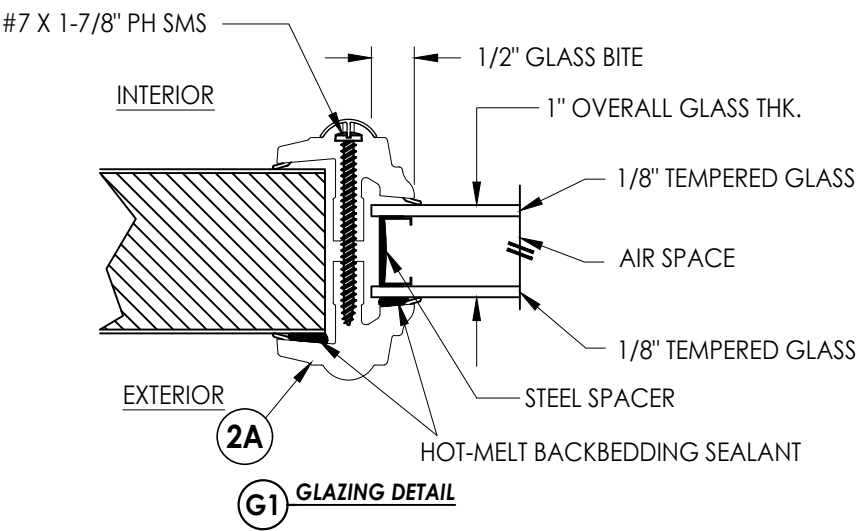
FL-20873.2

SHEET 1 OF 6

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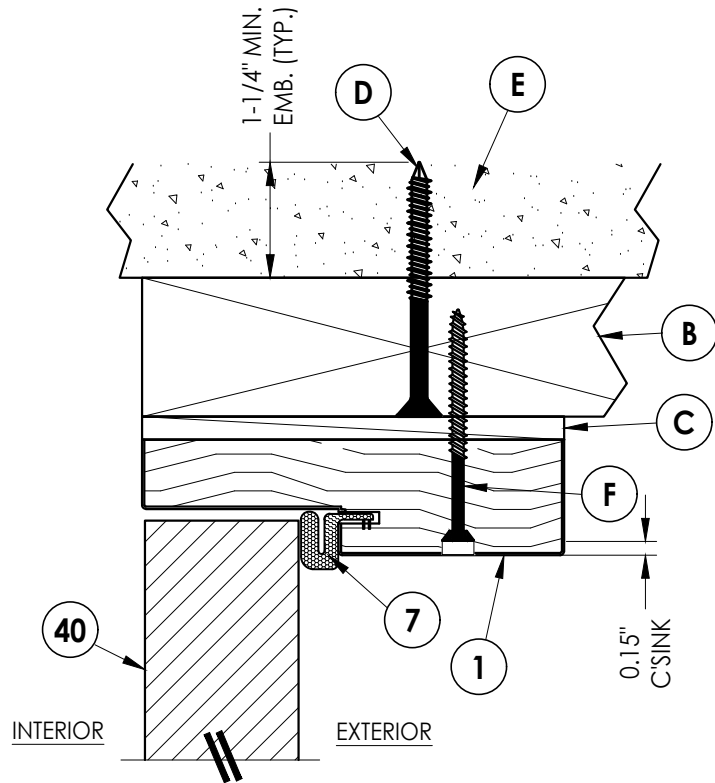
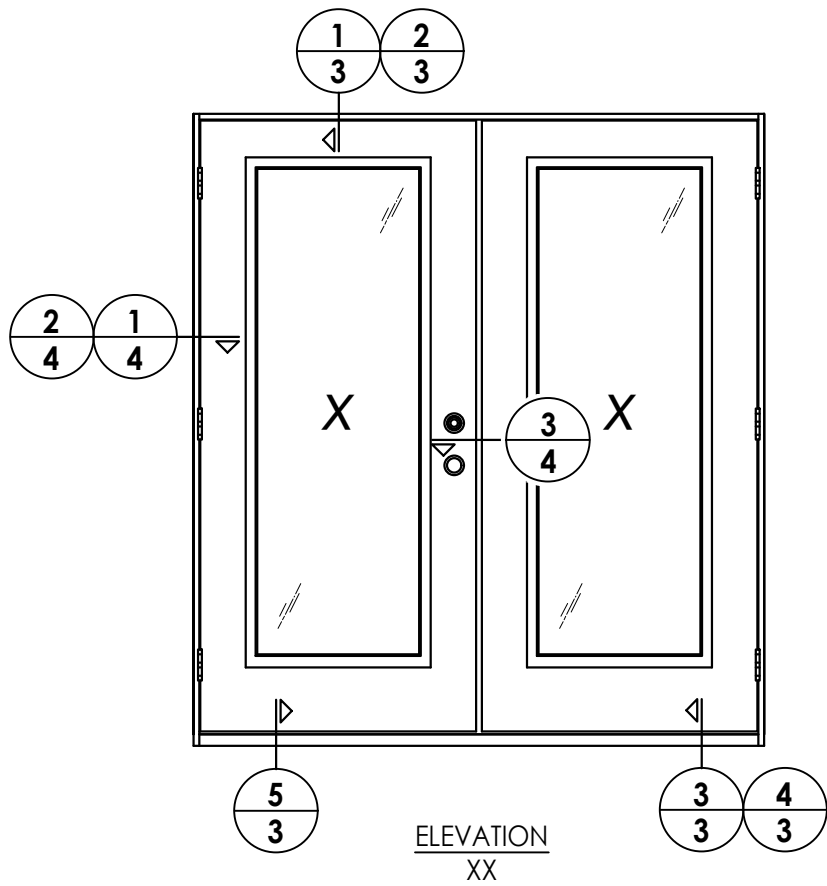
DOOR SKIN: 24 GA. STEEL (0.021" MIN. THICKNESS)  
CORE MATERIAL: POLYURETHANE FOAM (2.0 PCF MIN.)



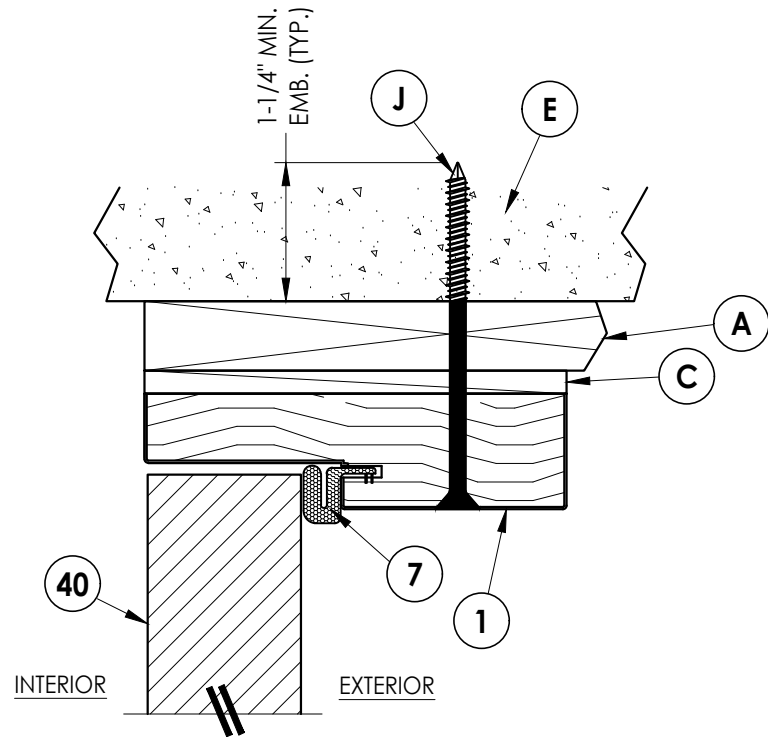
| DOOR LOCK HARDWARE TABLE |           |                        |
|--------------------------|-----------|------------------------|
| MANUFACTURER             | MODEL     |                        |
| KWIKSET                  | KNOB:     | SIGNATURE SERIES       |
|                          | DEADBOLT: | SIGNATURE SERIES (980) |

|                                                               |          |                          |                                                                                                                    |    |  |
|---------------------------------------------------------------|----------|--------------------------|--------------------------------------------------------------------------------------------------------------------|----|--|
| Documents Prepared By:<br>Lyndon F. Schmidt<br>P.E. No. 43409 |          |                          | BUILDING CONSULTANTS, INC.<br>P.O. Box 230, Valrico, FL 33595<br>Phone No.: 813.659.9197<br>FBPE Registry No. 9813 |    |  |
| PRODUCT:<br>NOVATECH STEEL DOOR                               |          |                          | PART OR ASSEMBLY:<br>DOOR PANEL DETAILS                                                                            |    |  |
|                                                               |          | LFS                      |                                                                                                                    |    |  |
|                                                               |          | FBC                      |                                                                                                                    |    |  |
| 3                                                             | 9/13/23  | UPDATE TO 8TH ED. (2023) | FBC                                                                                                                |    |  |
| 2                                                             | 10/01/20 | UPDATE TO 7TH ED. (2020) | FBC                                                                                                                |    |  |
| 1                                                             | 10/05/17 | UPDATE TO 6TH ED. (2017) | FBC                                                                                                                |    |  |
| NO.                                                           | DATE     |                          |                                                                                                                    | BY |  |
| REVISIONS                                                     |          |                          |                                                                                                                    |    |  |
| DATE: 6/30/16                                                 |          |                          |                                                                                                                    |    |  |
| SCALE: N.T.S.                                                 |          |                          |                                                                                                                    |    |  |
| DWG. BY: JK                                                   |          |                          |                                                                                                                    |    |  |
| CHK. BY: LFS                                                  |          |                          |                                                                                                                    |    |  |
| DRAWING NO.: FL-20873.2                                       |          |                          |                                                                                                                    |    |  |
| SHEET 2 OF 6                                                  |          |                          |                                                                                                                    |    |  |

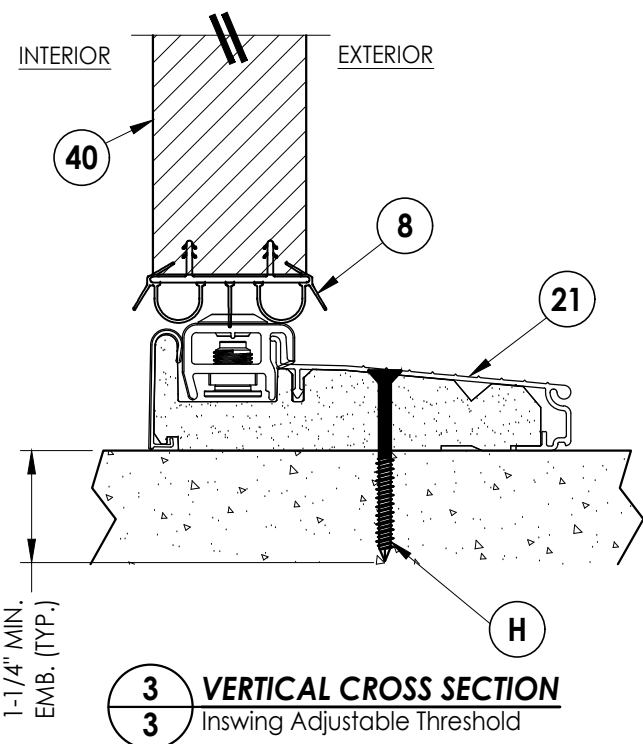
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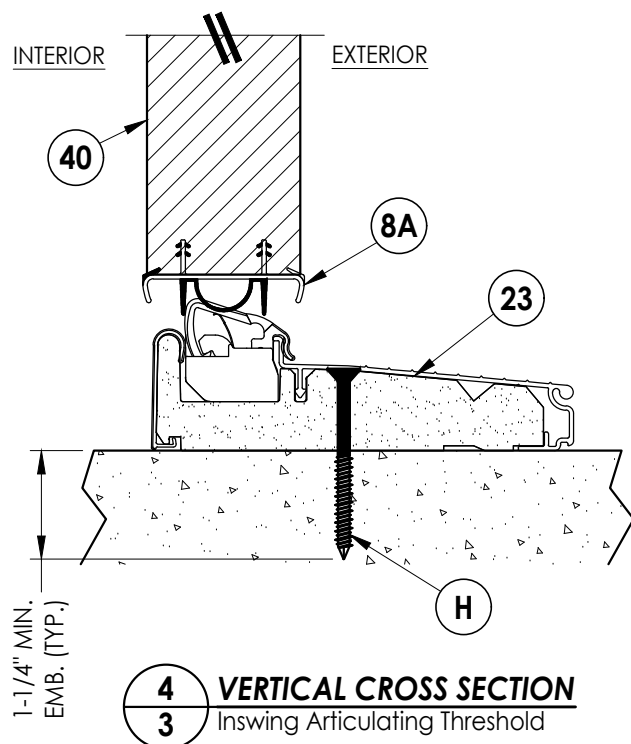
**1**  
**3** **VERTICAL CROSS SECTION**  
Inswing shown (Outswing similar)  
2X Buck Construction



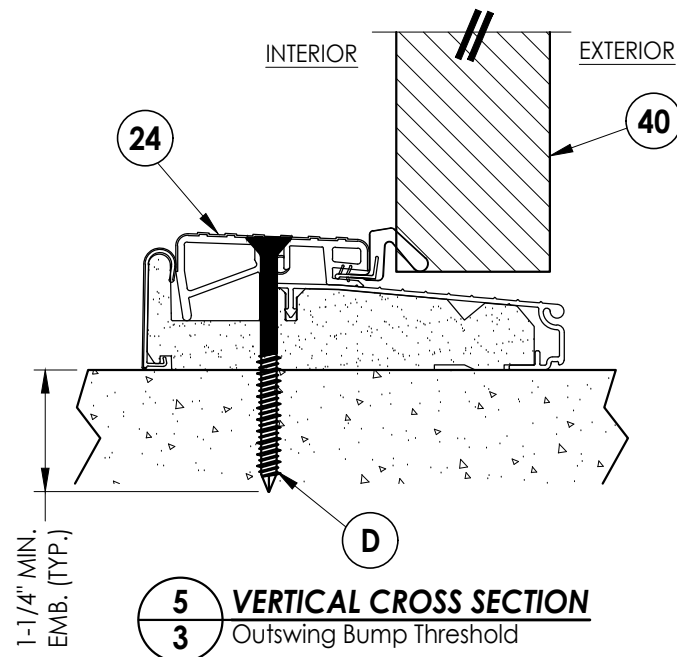
**2**  
**3** **VERTICAL CROSS SECTION**  
Inswing shown (Outswing similar)  
1X Buck Construction



**3**  
**3** **VERTICAL CROSS SECTION**  
Inswing Adjustable Threshold

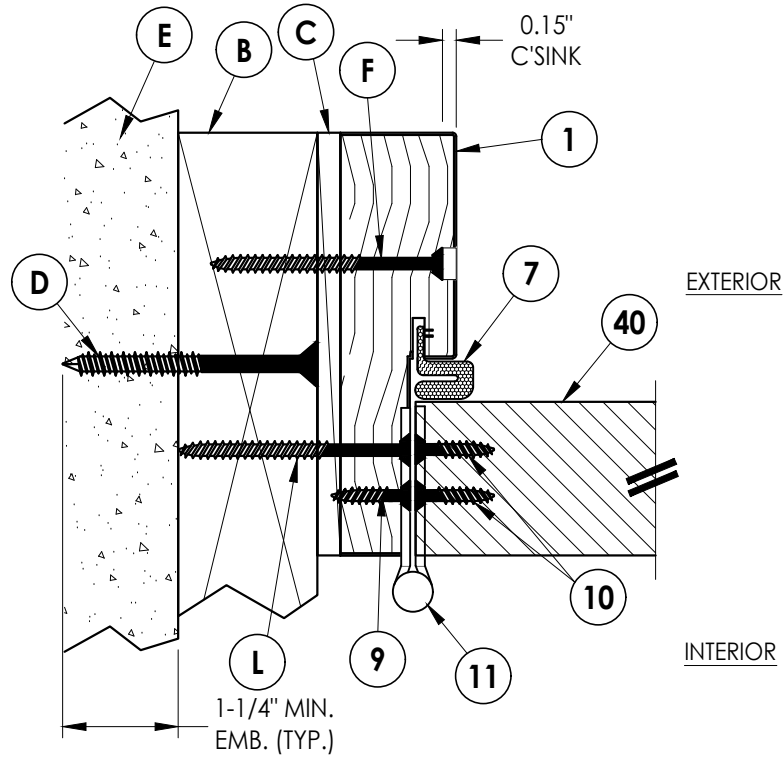


**4**  
**3** **VERTICAL CROSS SECTION**  
Inswing Articulating Threshold



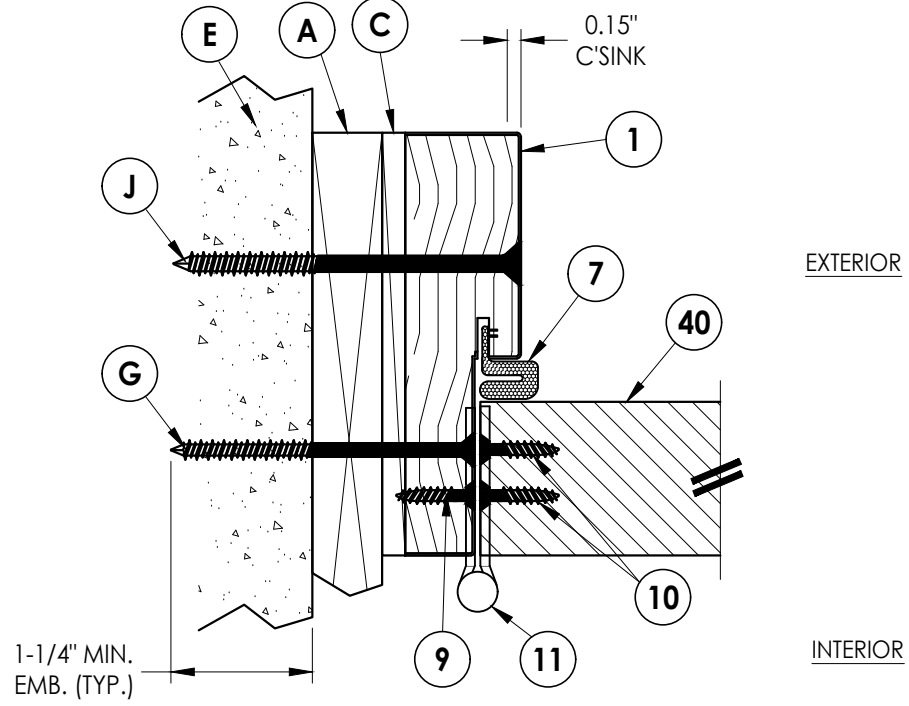
**5**  
**3** **VERTICAL CROSS SECTION**  
Outswing Bump Threshold

|                                                               |  |                        |  |                                                 |  |                                                                                                                    |  |
|---------------------------------------------------------------|--|------------------------|--|-------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------|--|
| Documents Prepared By:<br>Lyndon F. Schmidt<br>P.E. No. 43409 |  | NOVATECH<br>STEEL DOOR |  | PART OR ASSEMBLY:<br>VERTICAL CROSS<br>SECTIONS |  | BUILDING CONSULTANTS, INC.<br>P.O. Box 230, Valrico, FL 33595<br>Phone No.: 813.659.9197<br>FBPE Registry No. 9813 |  |
| DATE: 6/30/16                                                 |  | NO.                    |  | DATE                                            |  | REVISIONS                                                                                                          |  |
| SCALE: N.T.S.                                                 |  | 3                      |  | 9/13/23                                         |  | UPDATE TO 8TH ED. (2023) FBC                                                                                       |  |
| DWG. BY: JK                                                   |  | 2                      |  | 10/01/20                                        |  | UPDATE TO 7TH ED. (2020) FBC                                                                                       |  |
| CHK. BY: LFS                                                  |  | 1                      |  | 10/05/17                                        |  | UPDATE TO 6th ED. (2017) FBC                                                                                       |  |
| DRAWING NO.: FL-20873.2                                       |  | NO.                    |  | DATE                                            |  | BY                                                                                                                 |  |
| SHEET 3 OF 6                                                  |  |                        |  |                                                 |  |                                                                                                                    |  |

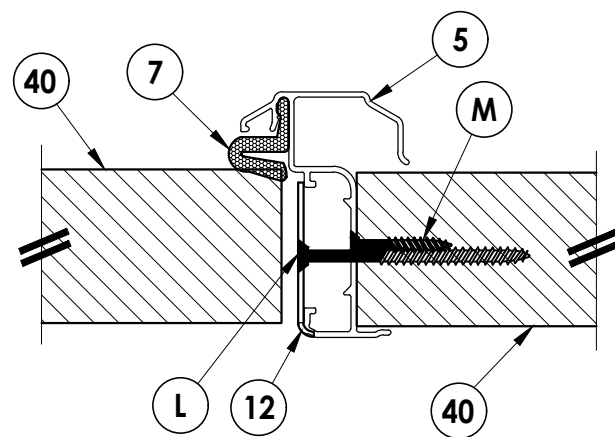


## 1 **HORIZONTAL CROSS SECTION**

### 4 Inswing shown (Outswing similar) 2X Buck Construction



**2** **HORIZONTAL CROSS SECTION**  
**4** Inswing shown (Outswing similar)  
 1X Buck Construction



### 3 **HORIZONTAL CROSS SECTION**

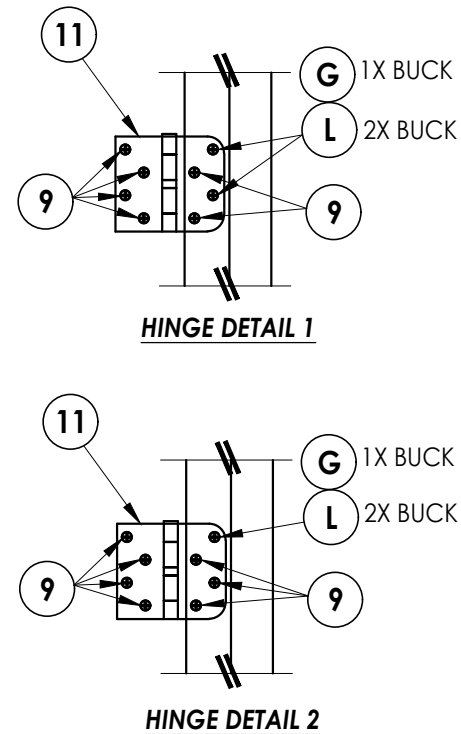
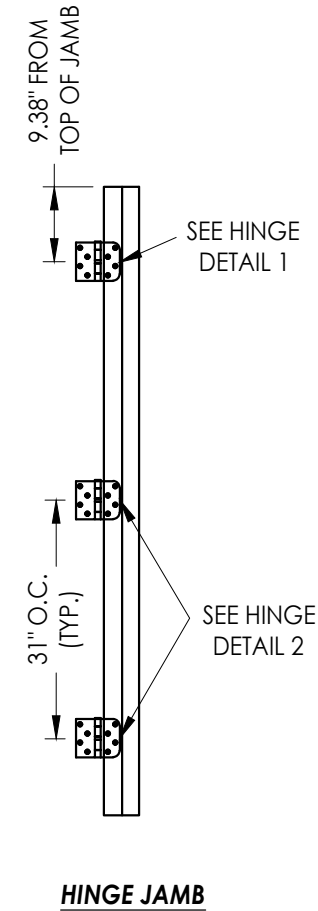
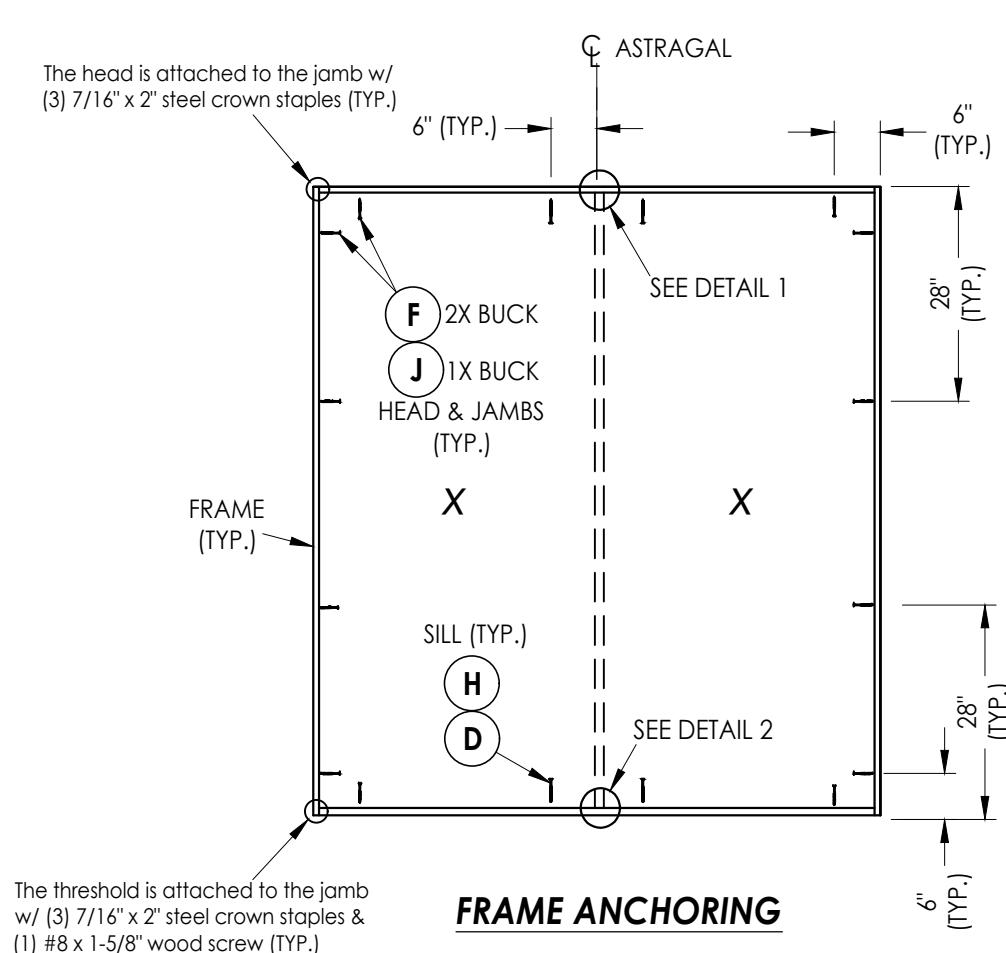
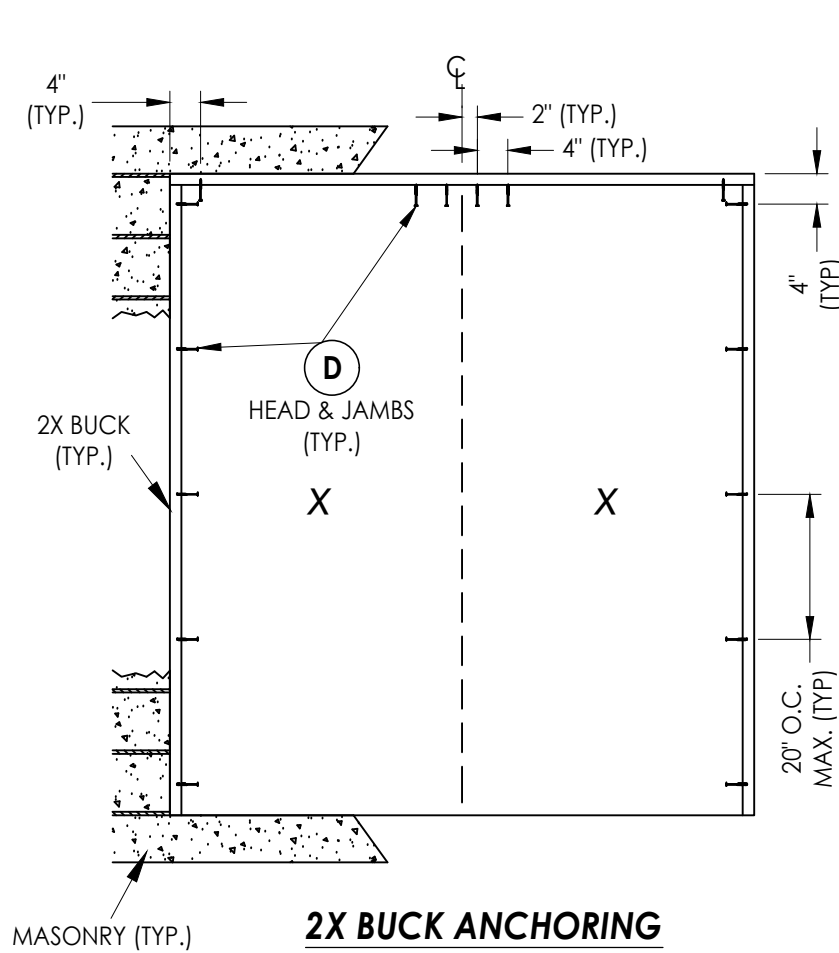
4 Inswing shown (Outswing similar)

[illegible]

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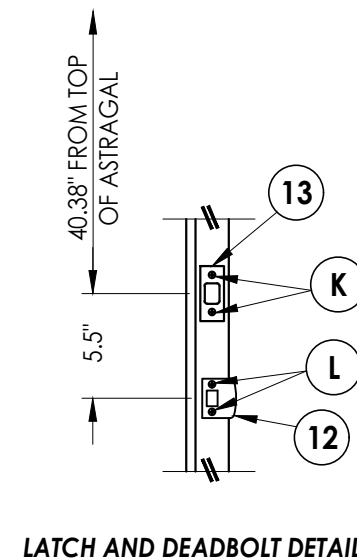
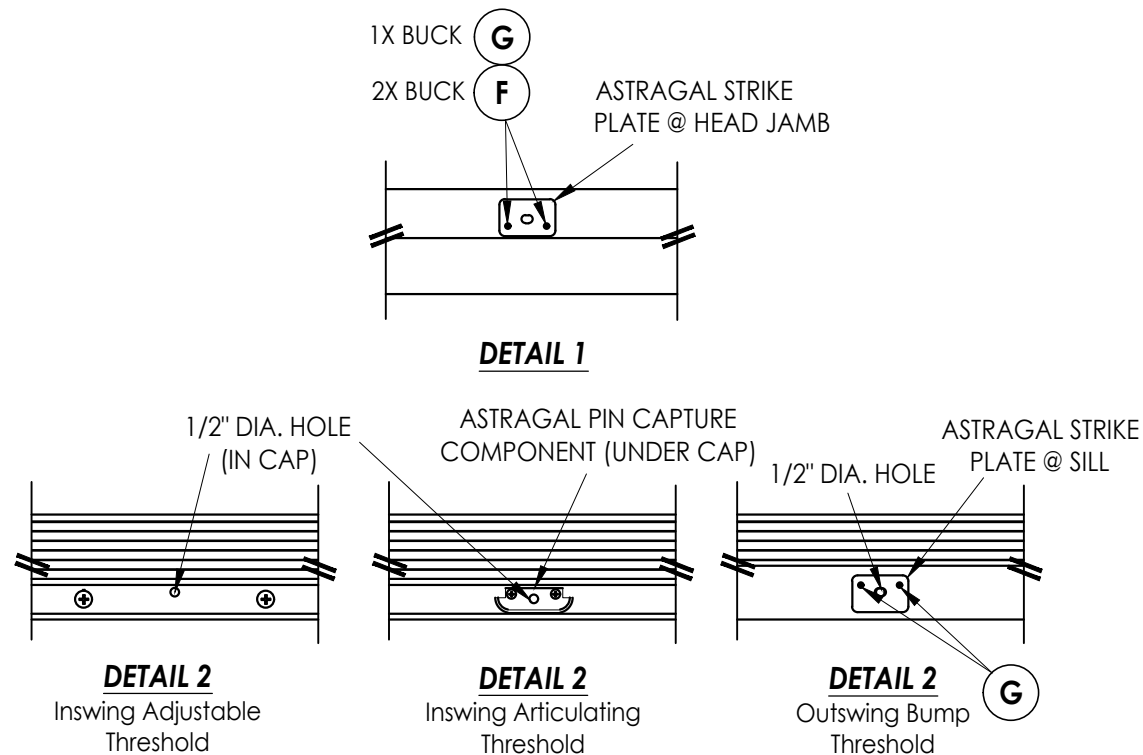
CONCRETE ANCHOR NOTES:

- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.
- Concrete anchor table:

| ANCHOR TYPE         | ANCHOR SIZE | MIN. EMBEDMENT | MIN. CLEARANCE TO MASONRY EDGE | MIN. CLEARANCE TO ADJACENT ANCHOR |
|---------------------|-------------|----------------|--------------------------------|-----------------------------------|
| ITW BUILDEX TAPCON® | 3/16"       | 1-1/4"         | 3"                             | 1-1/2"                            |
|                     | 1/4"        | 1-1/4"         | 2"                             | 4"                                |
| DeWALT ULTRACON®    | 1/4"        | 1-1/4"         | 1"                             | 4"                                |

WOOD SCREW INSTALLATION NOTES:

- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



HARDWARE DETAILS

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PRODUCT: NOVATECH STEEL DOOR

PART OR ASSEMBLY:  
BUCK & FRAME ANCHORING & HARDWARE DETAILS

| NO. | DATE     | REVISIONS                    |
|-----|----------|------------------------------|
| 3   | 9/13/23  | UPDATE TO 8TH ED. (2023) FBC |
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DATE: 6/30/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-20873.2

SHEET 5 OF 6

