

Z:\2023 FBC Drawings\Novatech Patio Doors\FL-27628 R3\FL-27628.9.dwg

Novatech®

R-301/401  
SLIDING PATIO DOOR  
w/ TRANSOM  
& NAILING FIN  
"NON-IMPACT"

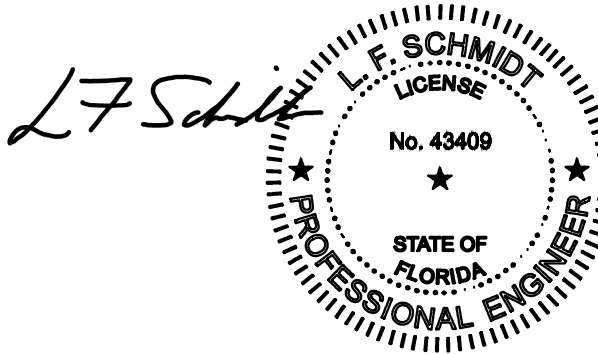
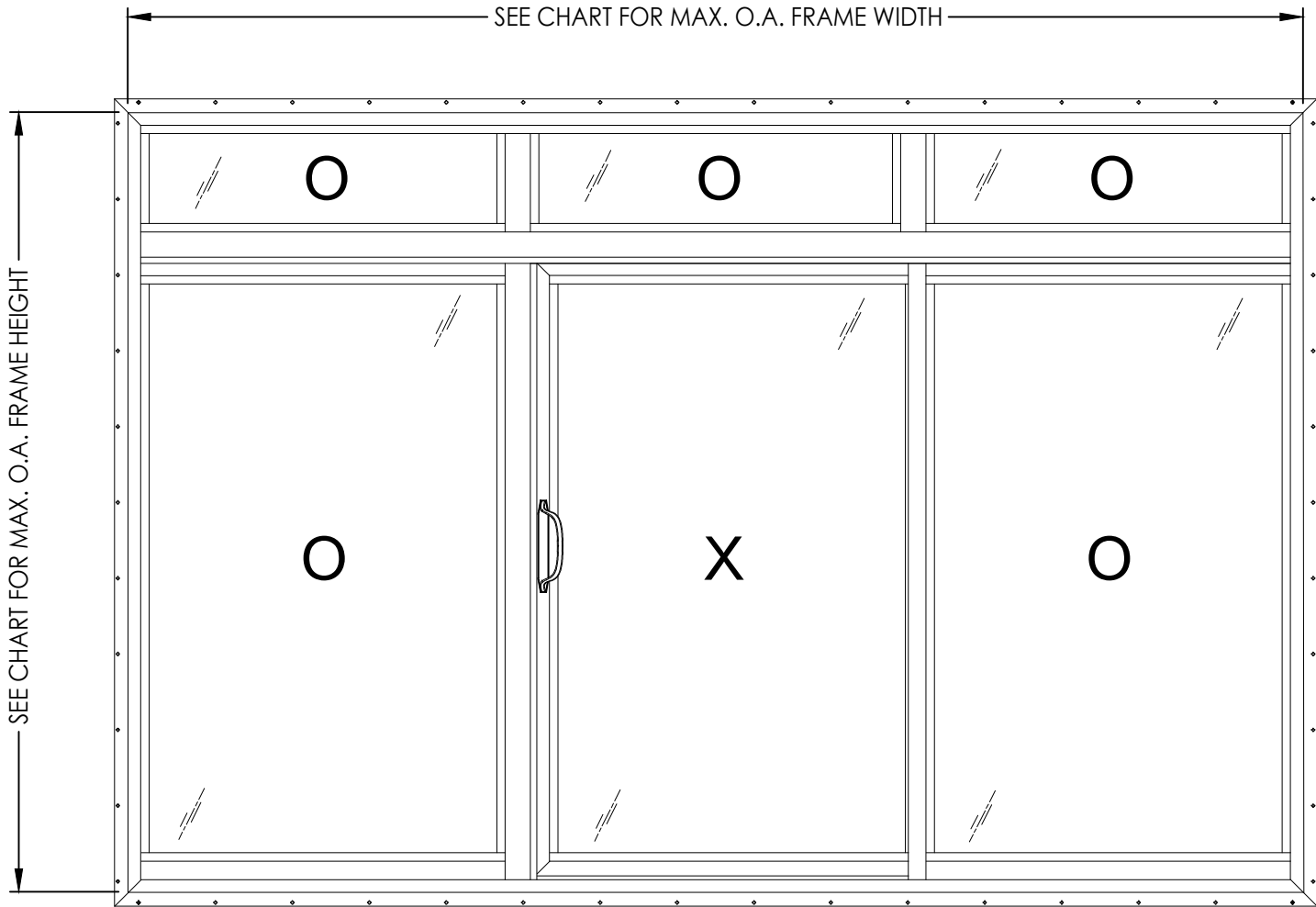
GENERAL NOTES

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. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

TABLE OF CONTENTS

| SHEET# | DESCRIPTION                                            |
|--------|--------------------------------------------------------|
| 1      | Typical elevations, design pressures and general notes |
| 2      | Horizontal cross sections                              |
| 3      | Vertical cross sections                                |
| 4      | Buck anchoring                                         |
| 5      | Frame anchoring                                        |
| 6      | Bill of materials, glazing details & components        |

| MAX.<br>FRAME<br>DIMENSION | TOTAL PANEL<br>MAX. D.L.O.<br>DIMENSION | DOOR<br>GLASS<br>TYPE | TRANSOM<br>GLASS<br>TYPE | DESIGN PRESSURE (PSF) |          |
|----------------------------|-----------------------------------------|-----------------------|--------------------------|-----------------------|----------|
|                            |                                         |                       |                          | POSITIVE              | NEGATIVE |
| 144.0" X 95.5"             | 44.0" x 88.2"                           | G1                    | G2                       | +20.0                 | -20.0    |



Digitally signed by  
Lyndon F Schmidt  
Date: 2023.09.14  
09:36:41 -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

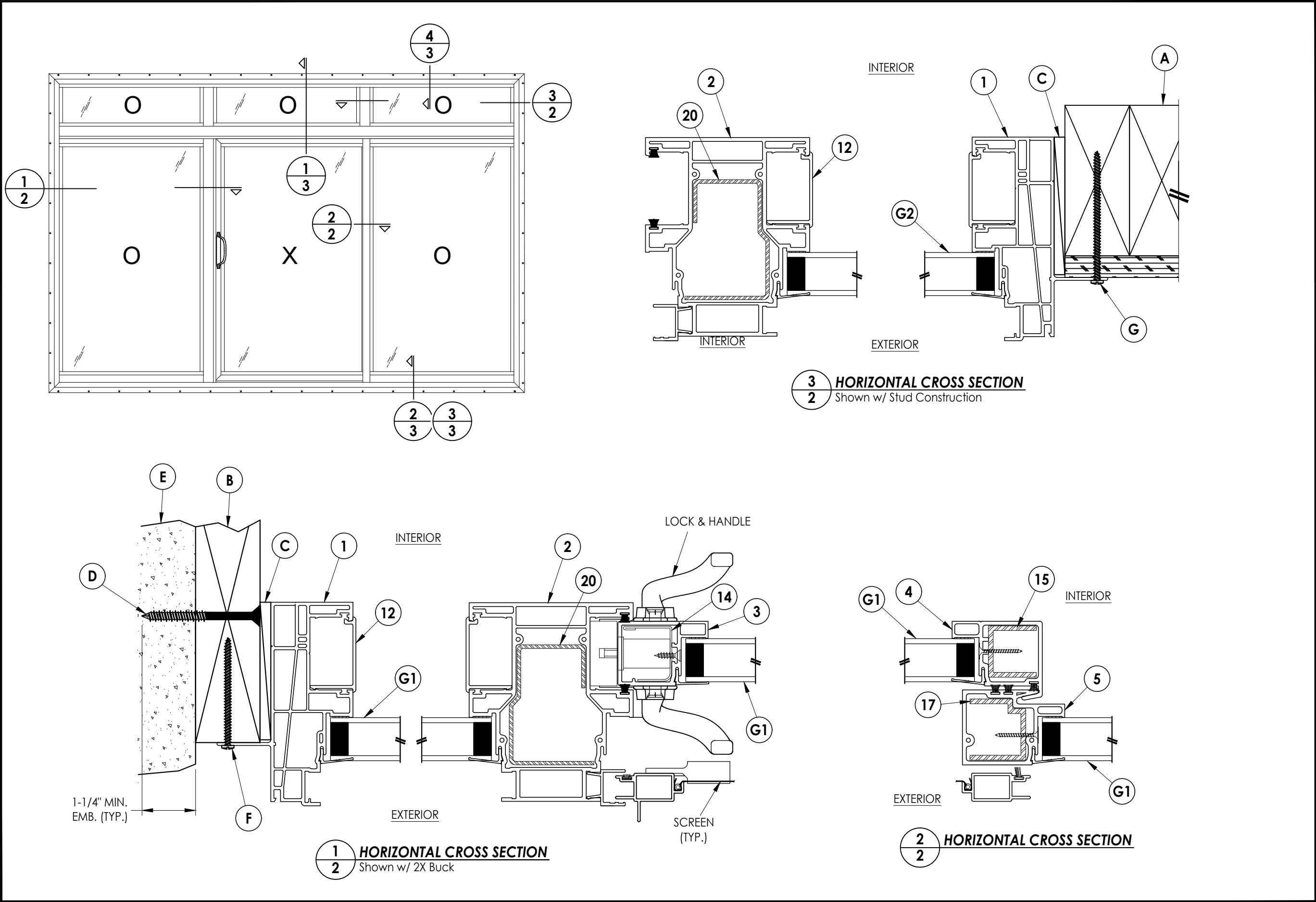
RW BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

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

| NO. | DATE     | REVISIONS                    |
|-----|----------|------------------------------|
| 2   | 9/14/23  | UPDATE TO 8TH ED. (2023) FBC |
| 1   | 10/01/20 | UPDATE TO 7TH ED. (2020) FBC |

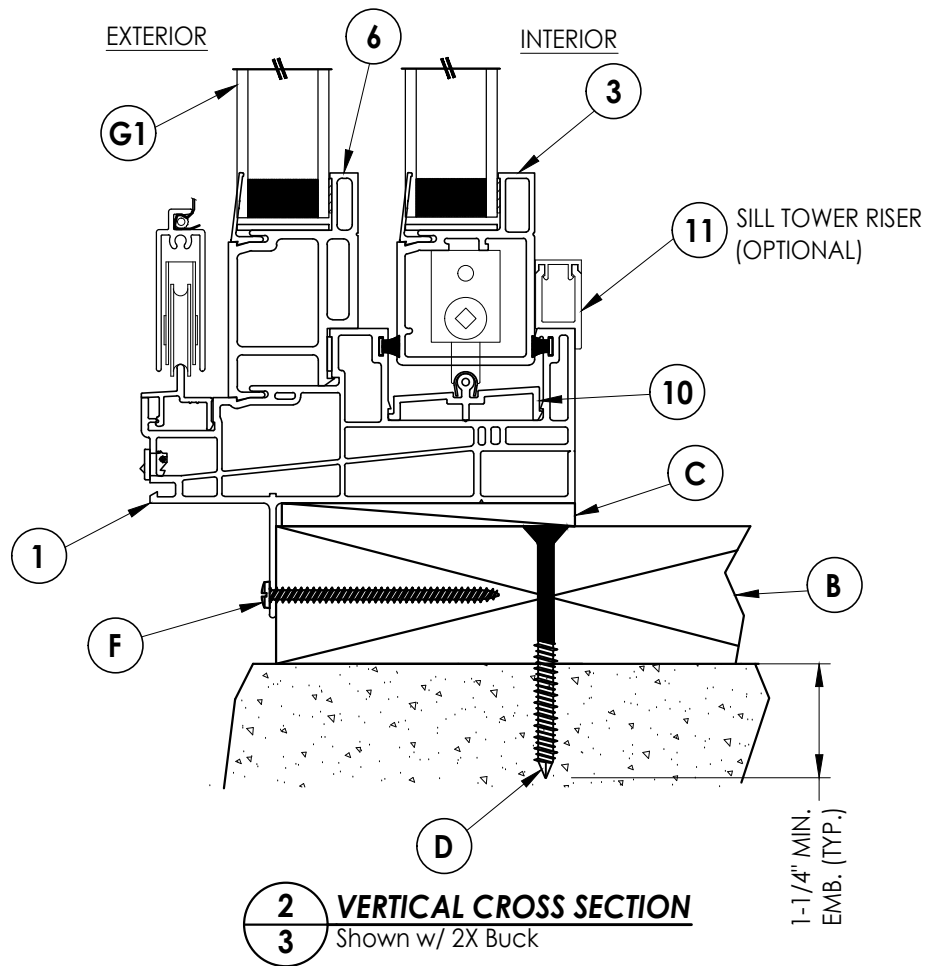
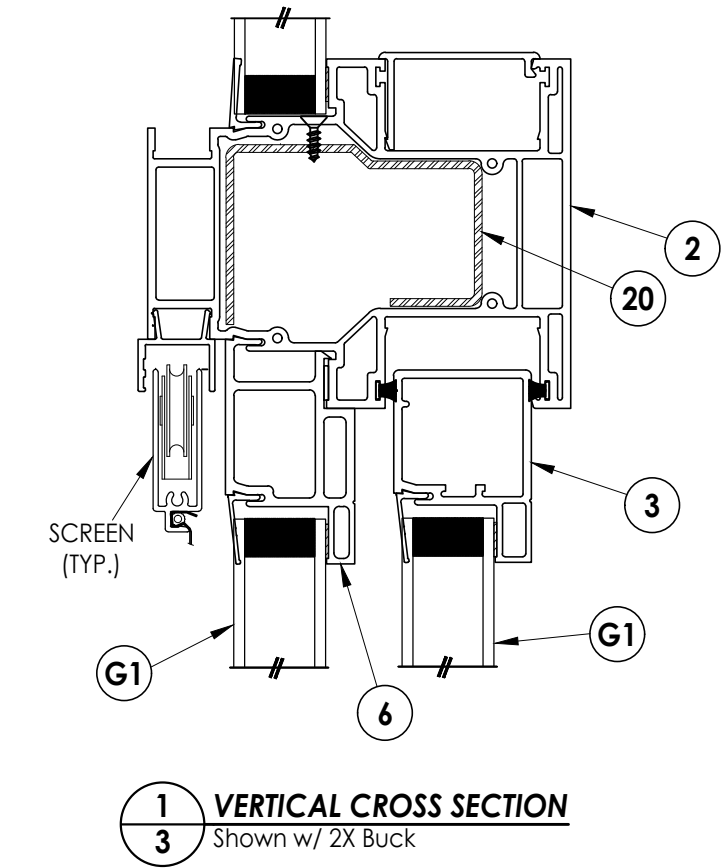
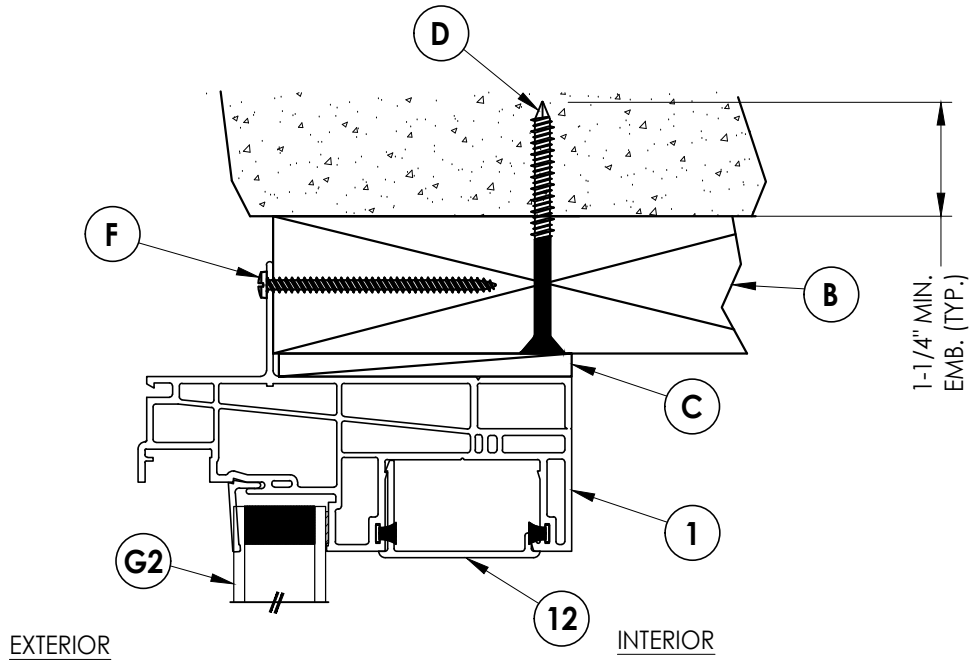
DATE: 7/03/18  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.:  
FL-27628.9  
SHEET 1 OF 6

Z:\2023 FBC Drawings\Novatech Patio Doors\FL-27628 R3\FL-27628.9.dwg

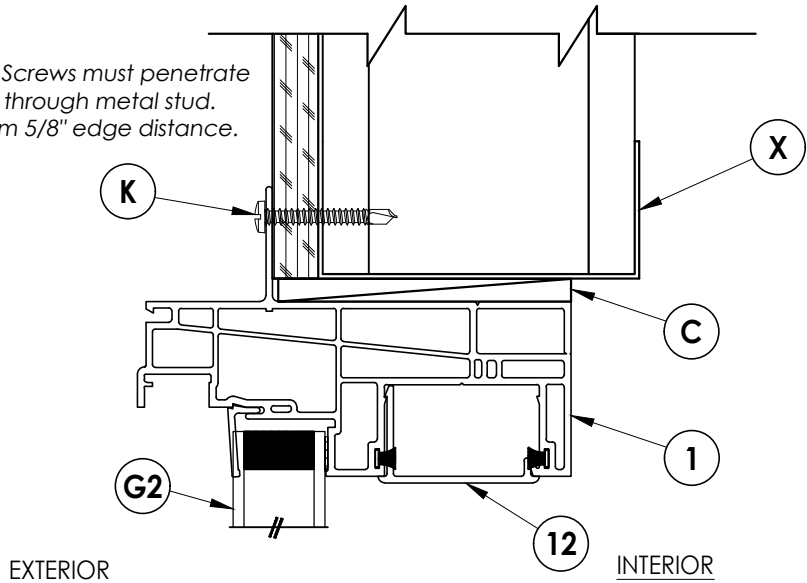


|                                                                                                                             |  |                                       |  |                                                   |  |
|-----------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------|--|---------------------------------------------------|--|
| Documents Prepared By:<br>Lyndon F. Schmidt<br>P.E. No. 43409                                                               |  | PRODUCT:<br>NOVATECH<br>PATIO DOOR    |  | PART OR ASSEMBLY:<br>HORIZONTAL<br>CROSS SECTIONS |  |
| DATE: 7/03/18                                                                                                               |  | SCALE: N.T.S.                         |  | DWG. BY: JK                                       |  |
| CHK. BY: LFS                                                                                                                |  | DRAWING NO.:<br>FL-27628.9            |  | SHEET 2 OF 6                                      |  |
| NOVATECH BUILDING CONSULTANTS, INC.<br>P.O. Box 230, Valrico, FL 33595<br>Phone No.: 813.659.9197<br>FBPE Registry No. 9813 |  | REVISIONS                             |  | © 2018 R.W. BUILDING CONSULTANTS INC.             |  |
| 2                                                                                                                           |  | 9/14/23 UPDATE TO 8TH ED. (2023) FBC  |  | LFS                                               |  |
| 1                                                                                                                           |  | 10/01/20 UPDATE TO 7TH ED. (2020) FBC |  | LFS                                               |  |
| NO                                                                                                                          |  | DATE                                  |  | BY                                                |  |

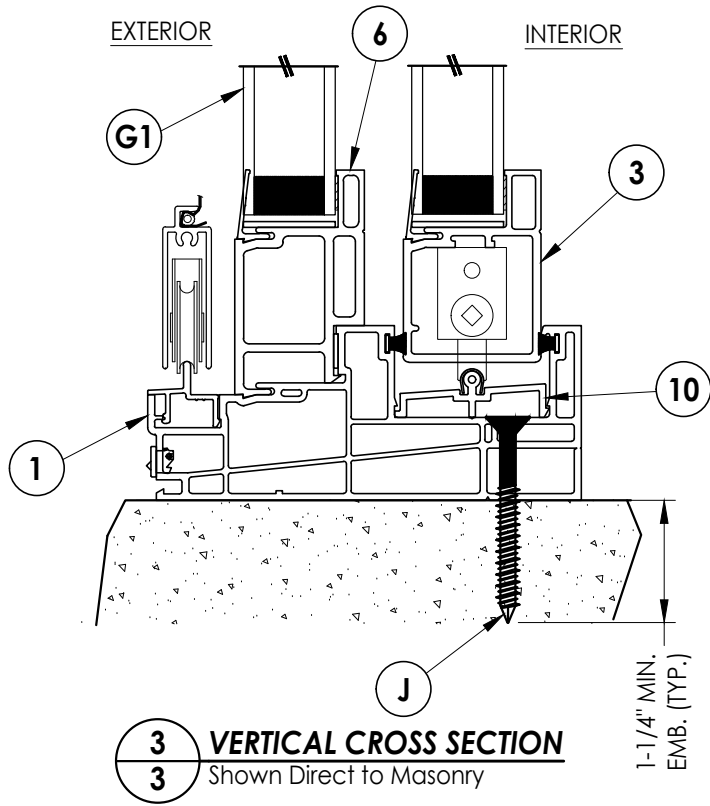
Z:\2023 FBC Drawings\Novatech Patio Doors\FL-27628 R3\FL-27628.9.dwg



NOTE: Sheet Metal Screws must penetrate a min. of 3 threads through metal stud. Maintain a minimum 5/8" edge distance.



**4** VERTICAL CROSS SECTION  
**3** Shown w/ Stud Construction



**3** VERTICAL CROSS SECTION  
**3** Shown Direct to Masonry

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

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

PRODUCT:  
NOVATECH  
PATIO DOOR

PART OR ASSEMBLY:  
VERTICAL  
CROSS SECTIONS

| NO. | DATE     | REVISIONS                |     |     |
|-----|----------|--------------------------|-----|-----|
|     |          | BY                       | LFS | FBC |
| 2   | 9/14/23  | UPDATE TO 8TH ED. (2023) | FBC | LFS |
| 1   | 10/01/20 | UPDATE TO 7TH ED. (2020) | FBC | LFS |

DATE: 7/03/18

SCALE: N.T.S.

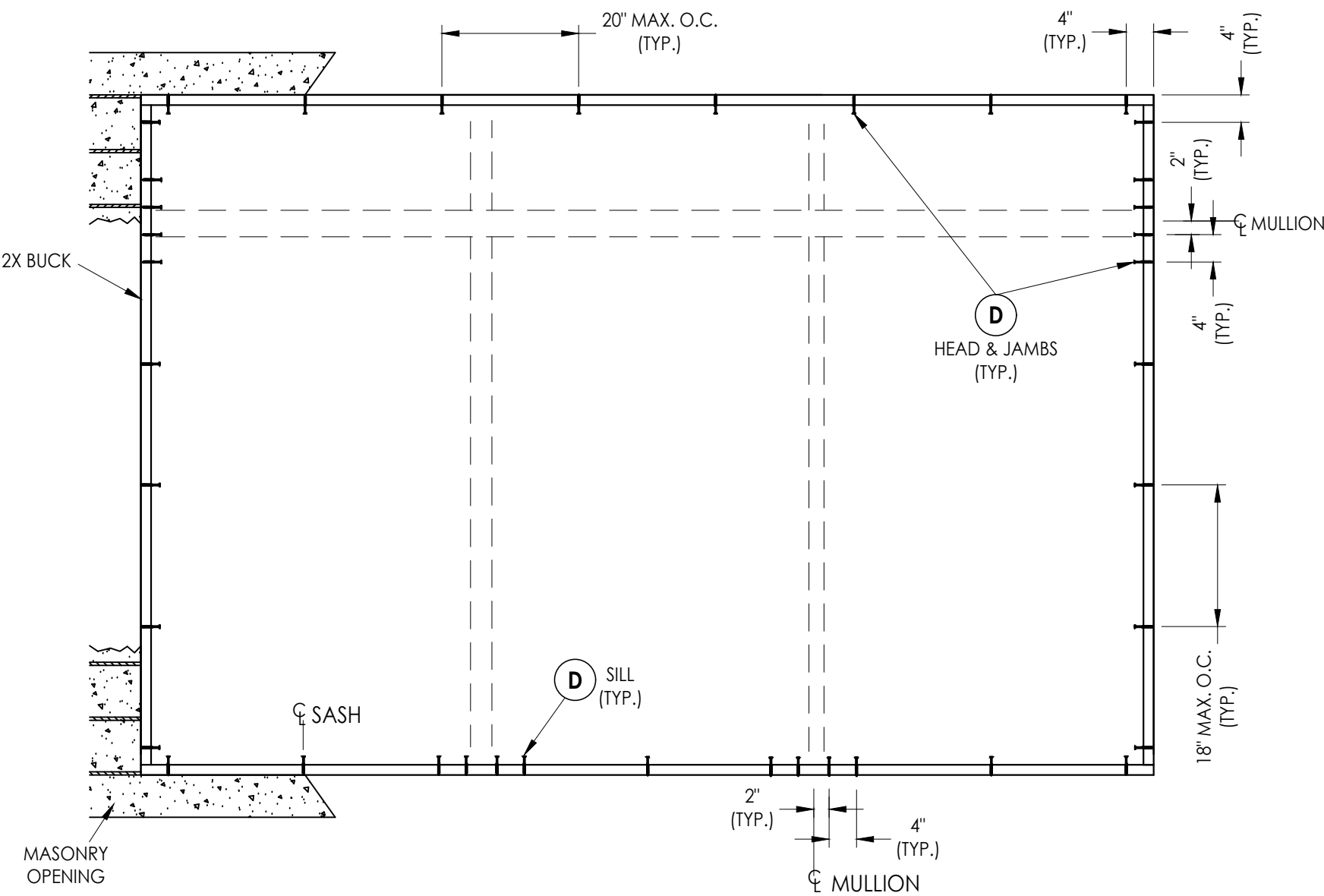
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-27628.9

SHEET 3 OF 6



## 2X BUCK ANCHORING

### CONCRETE ANCHOR NOTES:

1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. 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.
3. Concrete anchor table:

| ANCHOR TYPE       | ANCHOR SIZE | MIN. EMBEDMENT | MIN. CLEARANCE TO MASONRY EDGE | MIN. CLEARANCE TO ADJACENT ANCHOR |
|-------------------|-------------|----------------|--------------------------------|-----------------------------------|
| ITW TAPCON®       | 1/4"        | 1-1/4"         | 2"                             | 4"                                |
| DeWALT ULTRA-CON® | 1/4"        | 1-1/4"         | 1"                             | 4"                                |

WOOD SCREW INSTALLATION NOTES:

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

|          |          |                   |        |     |     |
|----------|----------|-------------------|--------|-----|-----|
|          |          |                   |        |     |     |
|          |          |                   |        |     |     |
|          |          |                   |        |     |     |
|          |          |                   |        |     |     |
|          |          |                   |        |     |     |
|          |          |                   |        |     |     |
|          |          |                   |        |     |     |
| 2        | 9/14/23  | UPDATE TO 8TH ED. | (2023) | FBC | LFS |
| 1        | 10/01/20 | UPDATE TO 7TH ED. | (2020) | FBC | LFS |
| NO.      | DATE     |                   |        |     | BY  |
|          |          |                   |        |     |     |
| REVISONS |          |                   |        |     |     |

DATE: 7/03/18

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-27628.9

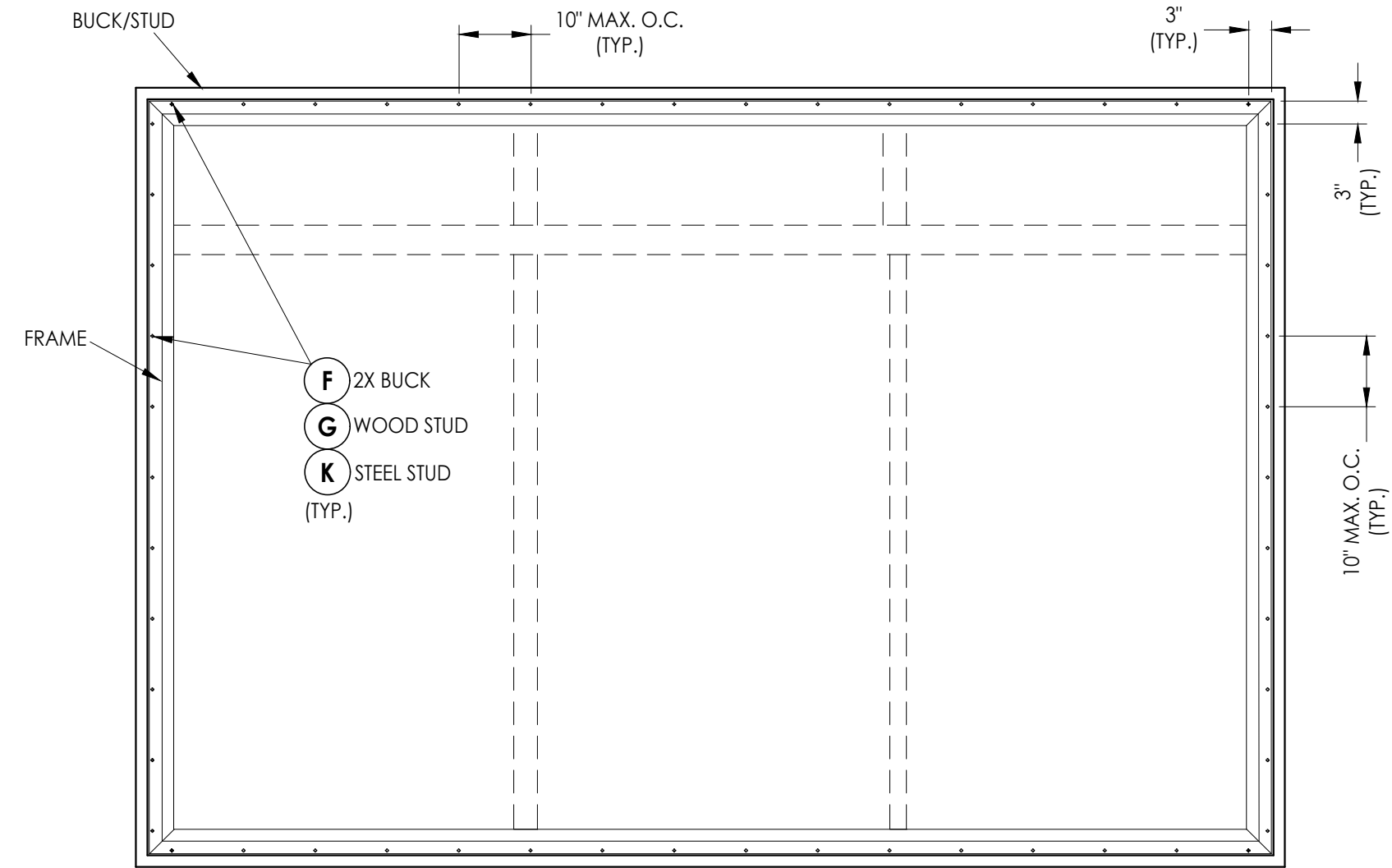
SHEET 4 OF 6

Lyndon F. Schmidt  
P.E. No. 43409

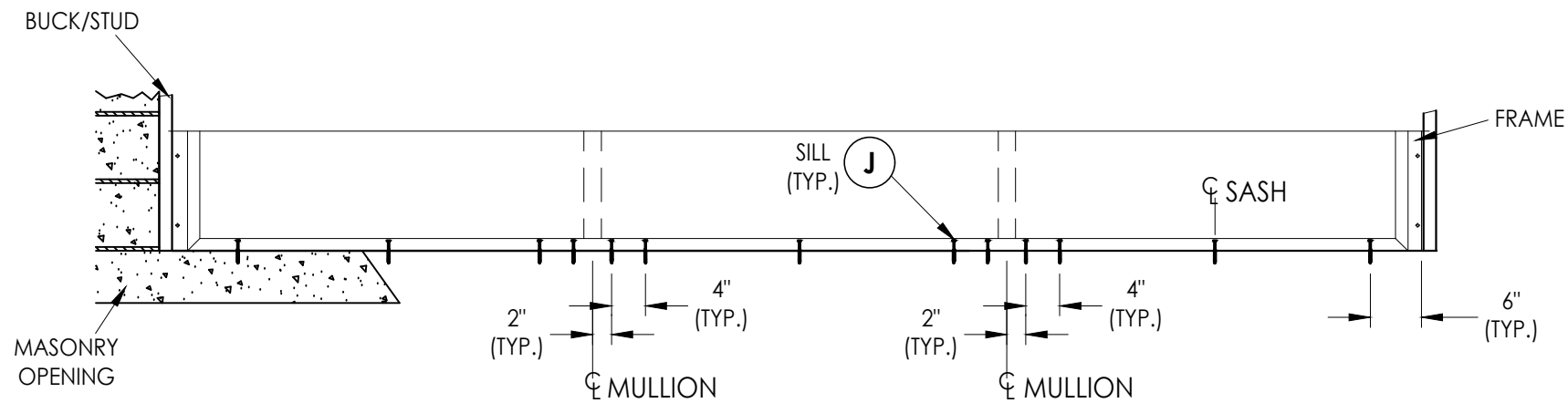
**R<sub>W</sub>** BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

ASSEMBLY:  
BUCK ANCHORING

© 2018 R.W. BUILDING CONSULTANTS INC.



## FRAME ANCHORING



## ALTERNATE FRAME ANCHORING

### DIRECT TO MASONRY @ SILL

[illegible]

