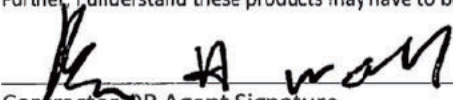


As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ [www.floridabuilding.org](http://www.floridabuilding.org)

| Category/Subcategory            | Manufacturer | Product Description | Approval Number(s) |
|---------------------------------|--------------|---------------------|--------------------|
| <b>1. EXTERIOR DOORS</b>        |              |                     |                    |
| A. SWINGING                     | ThermaTru    | Entry Doors         | 20461.1            |
| B. SLIDING                      |              |                     |                    |
| C. SECTIONAL/ROLL UP            |              |                     |                    |
| D. OTHER                        |              |                     |                    |
|                                 |              |                     |                    |
| <b>2. WINDOWS</b>               |              |                     |                    |
| A. SINGLE/DOUBLE HUNG           |              |                     |                    |
| B. HORIZONTAL SLIDER            |              |                     |                    |
| C. CASEMENT                     |              |                     |                    |
| D. FIXED                        |              |                     |                    |
| E. MULLION                      |              |                     |                    |
| F. SKYLIGHTS                    |              |                     |                    |
| G. OTHER                        |              |                     |                    |
|                                 |              |                     |                    |
| <b>3. PANEL WALL</b>            |              |                     |                    |
| A. SIDING                       |              |                     |                    |
| B. SOFFITS                      |              |                     |                    |
| C. STOREFRONTS                  |              |                     |                    |
| D. GLASS BLOCK                  |              |                     |                    |
| E. OTHER                        |              |                     |                    |
|                                 |              |                     |                    |
| <b>4. ROOFING PRODUCTS</b>      |              |                     |                    |
| A. ASPHALT SHINGLES             |              |                     |                    |
| B. NON-STRUCTURAL METAL         |              |                     |                    |
| C. ROOFING TILES                |              |                     |                    |
| D. SINGLE PLY ROOF              |              |                     |                    |
| E. OTHER                        |              |                     |                    |
|                                 |              |                     |                    |
| <b>5. STRUCTURAL COMPONENTS</b> |              |                     |                    |
| A. WOOD CONNECTORS              |              |                     |                    |
| B. WOOD ANCHORS                 |              |                     |                    |
| C. TRUSS PLATES                 |              |                     |                    |
| D. INSULATION FORMS             |              |                     |                    |
| E. LINTELS                      |              |                     |                    |
| F. OTHERS                       |              |                     |                    |
|                                 |              |                     |                    |
| <b>6. NEW EXTERIOR</b>          |              |                     |                    |
| <b>ENVELOPE PRODUCTS</b>        |              |                     |                    |

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.



Contractor OR Agent Signature

12/4/2024

Date

NOTES:

FLORIDA DEPARTMENT OF  
**Business & Professional Regulation**



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**Product Approval**  
USER: Public User

[Product Approval Menu](#) > [Product or Application Search](#) > **Application List**

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### Search Criteria

[Refine Search](#)

|                               |      |                                           |         |
|-------------------------------|------|-------------------------------------------|---------|
| Code Version                  | 2023 | FL#                                       | 20461.1 |
| Application Type              | ALL  | Product Manufacturer                      | ALL     |
| Category                      | ALL  | Subcategory                               | ALL     |
| Application Status            | ALL  | Compliance Method                         | ALL     |
| Quality Assurance Entity      | ALL  | Quality Assurance Entity Contract Expired | ALL     |
| Product Model, Number or Name | ALL  | Product Description                       | ALL     |
| Approved for use in HVHZ      | ALL  | Approved for use outside HVHZ             | ALL     |
| Impact Resistant              | ALL  | Design Pressure                           | ALL     |
| Other                         | ALL  |                                           |         |

### Search Results - Applications

| FL#                                                   | Type     | Manufacturer                                                                                                                                                                                                                                                                                                                              | Validated By                            | Status   |
|-------------------------------------------------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|----------|
| <a href="#">FL20461-R9</a><br><a href="#">History</a> | Revision | Therma-Tru Corporation<br><b>FL#:</b> FL20461.1<br><b>Model:</b> a. Therma-Tru Fiber-Classic and Smooth-Star<br><b>Description:</b> Nominal 6'8 "Non-Impact" Opaque Composite Edge Fiberglass Single Door (Inswing/Outswing; X configuration)<br><b>Category:</b> Exterior Doors<br><b>Subcategory:</b> Swinging Exterior Door Assemblies | Ryan J. King,<br>P.E.<br>(813) 767-6555 | Approved |

\*Approved by DBPR. Approvals by DBPR shall be reviewed and ratified by the POC and/or the Commission if necessary.

[Contact Us](#) :: 2601 Blair Stone Road, Tallahassee FL 32399 Phone: 850-487-1824

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Product Approval Accepts:



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**Product Approval**  
USER: Public User

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| FL #                                                                   | FL20461-R9                                                                                                                                                                                                                                                                                                                                        |                 |             |            |      |           |      |           |      |           |      |         |      |
|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------|------------|------|-----------|------|-----------|------|-----------|------|---------|------|
| Application Type                                                       | Revision                                                                                                                                                                                                                                                                                                                                          |                 |             |            |      |           |      |           |      |           |      |         |      |
| Code Version                                                           | 2023                                                                                                                                                                                                                                                                                                                                              |                 |             |            |      |           |      |           |      |           |      |         |      |
| Application Status                                                     | Approved                                                                                                                                                                                                                                                                                                                                          |                 |             |            |      |           |      |           |      |           |      |         |      |
| Comments                                                               |                                                                                                                                                                                                                                                                                                                                                   |                 |             |            |      |           |      |           |      |           |      |         |      |
| Archived                                                               | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                          |                 |             |            |      |           |      |           |      |           |      |         |      |
| Product Manufacturer                                                   | Therma-Tru Corporation                                                                                                                                                                                                                                                                                                                            |                 |             |            |      |           |      |           |      |           |      |         |      |
| Address/Phone/Email                                                    | 1750 Indian Wood Circle<br>Maumee, OH 43537<br>(800) 843-7628<br>sjasperson@thermatru.com                                                                                                                                                                                                                                                         |                 |             |            |      |           |      |           |      |           |      |         |      |
| Authorized Signature                                                   | Vivian Wright<br>rickw@rwbltdgconsultants.com                                                                                                                                                                                                                                                                                                     |                 |             |            |      |           |      |           |      |           |      |         |      |
| Technical Representative                                               |                                                                                                                                                                                                                                                                                                                                                   |                 |             |            |      |           |      |           |      |           |      |         |      |
| Address/Phone/Email                                                    |                                                                                                                                                                                                                                                                                                                                                   |                 |             |            |      |           |      |           |      |           |      |         |      |
| Quality Assurance Representative                                       |                                                                                                                                                                                                                                                                                                                                                   |                 |             |            |      |           |      |           |      |           |      |         |      |
| Address/Phone/Email                                                    |                                                                                                                                                                                                                                                                                                                                                   |                 |             |            |      |           |      |           |      |           |      |         |      |
| Category                                                               | Exterior Doors                                                                                                                                                                                                                                                                                                                                    |                 |             |            |      |           |      |           |      |           |      |         |      |
| Subcategory                                                            | Swinging Exterior Door Assemblies                                                                                                                                                                                                                                                                                                                 |                 |             |            |      |           |      |           |      |           |      |         |      |
| Compliance Method                                                      | Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer<br><input type="checkbox"/> Evaluation Report - Hardcopy Received                                                                                                                                                                               |                 |             |            |      |           |      |           |      |           |      |         |      |
| Florida Engineer or Architect Name who developed the Evaluation Report | Lyndon F. Schmidt, P.E.                                                                                                                                                                                                                                                                                                                           |                 |             |            |      |           |      |           |      |           |      |         |      |
| Florida License                                                        | PE-43409                                                                                                                                                                                                                                                                                                                                          |                 |             |            |      |           |      |           |      |           |      |         |      |
| Quality Assurance Entity                                               | National Accreditation and Management Institute                                                                                                                                                                                                                                                                                                   |                 |             |            |      |           |      |           |      |           |      |         |      |
| Quality Assurance Contract Expiration Date                             | 12/31/2026                                                                                                                                                                                                                                                                                                                                        |                 |             |            |      |           |      |           |      |           |      |         |      |
| Validated By                                                           | Ryan J. King, P.E.<br><input checked="" type="checkbox"/> Validation Checklist - Hardcopy Received                                                                                                                                                                                                                                                |                 |             |            |      |           |      |           |      |           |      |         |      |
| Certificate of Independence                                            | <a href="#">FL20461_R9_COI_(k)_Cert of Independence.pdf</a>                                                                                                                                                                                                                                                                                       |                 |             |            |      |           |      |           |      |           |      |         |      |
| Referenced Standard and Year (of Standard)                             | <table border="0"> <thead> <tr> <th><u>Standard</u></th> <th><u>Year</u></th> </tr> </thead> <tbody> <tr> <td>ASTM E1300</td> <td>2004</td> </tr> <tr> <td>ASTM E330</td> <td>2002</td> </tr> <tr> <td>ASTM E330</td> <td>2014</td> </tr> <tr> <td>ASTM E331</td> <td>2000</td> </tr> <tr> <td>TAS 202</td> <td>1994</td> </tr> </tbody> </table> | <u>Standard</u> | <u>Year</u> | ASTM E1300 | 2004 | ASTM E330 | 2002 | ASTM E330 | 2014 | ASTM E331 | 2000 | TAS 202 | 1994 |
| <u>Standard</u>                                                        | <u>Year</u>                                                                                                                                                                                                                                                                                                                                       |                 |             |            |      |           |      |           |      |           |      |         |      |
| ASTM E1300                                                             | 2004                                                                                                                                                                                                                                                                                                                                              |                 |             |            |      |           |      |           |      |           |      |         |      |
| ASTM E330                                                              | 2002                                                                                                                                                                                                                                                                                                                                              |                 |             |            |      |           |      |           |      |           |      |         |      |
| ASTM E330                                                              | 2014                                                                                                                                                                                                                                                                                                                                              |                 |             |            |      |           |      |           |      |           |      |         |      |
| ASTM E331                                                              | 2000                                                                                                                                                                                                                                                                                                                                              |                 |             |            |      |           |      |           |      |           |      |         |      |
| TAS 202                                                                | 1994                                                                                                                                                                                                                                                                                                                                              |                 |             |            |      |           |      |           |      |           |      |         |      |
| Equivalence of Product Standards Certified By                          | Florida Licensed Professional Engineer or Architect<br><a href="#">FL20461_R9_Equiv_of_Standards(h).pdf</a>                                                                                                                                                                                                                                       |                 |             |            |      |           |      |           |      |           |      |         |      |

Sections from the Code

# THERMA-TRU® DOORS

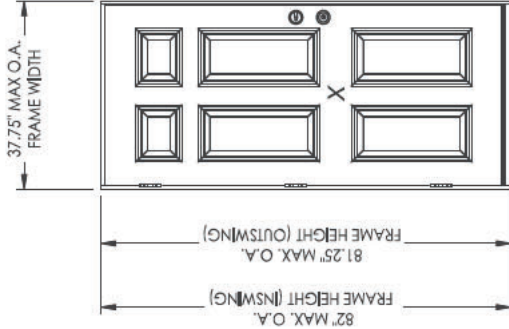
Fiber-Classic® & Smooth-Star®

## COMPOSITE EDGE OPAQUE FIBERGLASS SINGLE 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. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
4. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
5. Fiber-Classic & Smooth-Star Door panels require the use of "J" part numbers and must be stained or painted within six months of installation.

| TABLE OF CONTENTS |                                                          |
|-------------------|----------------------------------------------------------|
| SHEET #           | DESCRIPTION                                              |
| 1                 | Typical Elevations, Design Pressures & General Notes     |
| 2                 | Door Panel Details                                       |
| 3                 | Elevations                                               |
| 4                 | Horizontal & Vertical Cross Sections (2X Buck)           |
| 5                 | Horizontal & Vertical Cross Sections (1X Buck)           |
| 6                 | Horizontal & Vertical Cross Sections (Direct to Masonry) |
| 7                 | Vertical Cross Sections (Thresholds)                     |
| 8                 | Buck & Frame Anchoring                                   |
| 9                 | Hardware Details                                         |
| 10                | Components                                               |
| 11                | Components & Bill of Materials                           |



| CONFIGURATION | LOCK HARDWARE    | DESIGN PRESSURE (PSF) INSWING |          | DESIGN PRESSURE (PSF) OUTSWING |          |
|---------------|------------------|-------------------------------|----------|--------------------------------|----------|
|               |                  | POSITIVE                      | NEGATIVE | POSITIVE                       | NEGATIVE |
| X             | Latch & Deadbolt | +70.0                         | -75.0    | +67.0                          | -67.0    |
| X             | Multipoint       | +80.0                         | -80.0    | +80.0                          | -80.0    |

See Sheet 3 for Hardware Specifications

Digitally signed by Lyndon F Schmidt  
Date: 2023.07.19 15:05:08 -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, Vero Beach, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

PRODUCT: THERMA-TRU  
FIBERGLASS DOOR

PART OR ASSEMBLY:  
TYPICAL ELEVATION, DESIGN  
PRESSURES & GENERAL NOTES

| REVISIONS |          |
|-----------|----------|
| NO.       | DATE     |
| 1         | 7/7/17   |
| 2         | 11/15/17 |
| 3         | 10/09/18 |
| 4         | 7/21/20  |
| 5         | 7/19/23  |

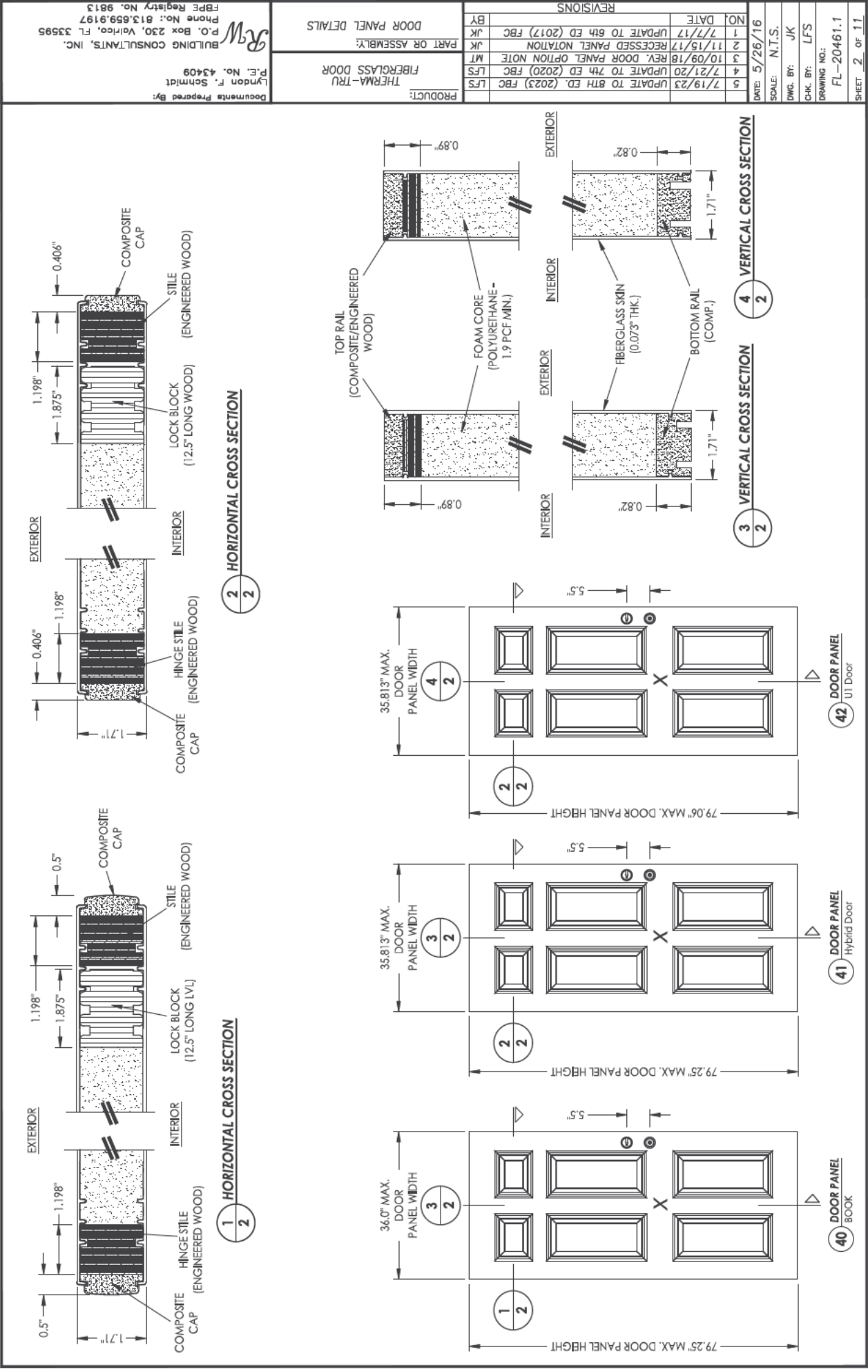
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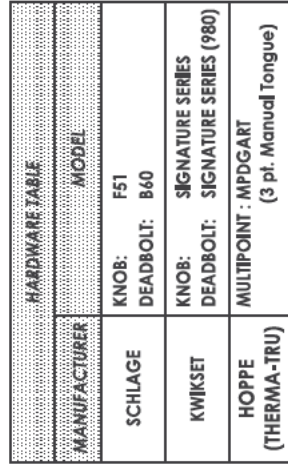
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-20461.1

SHEET 1 OF 11



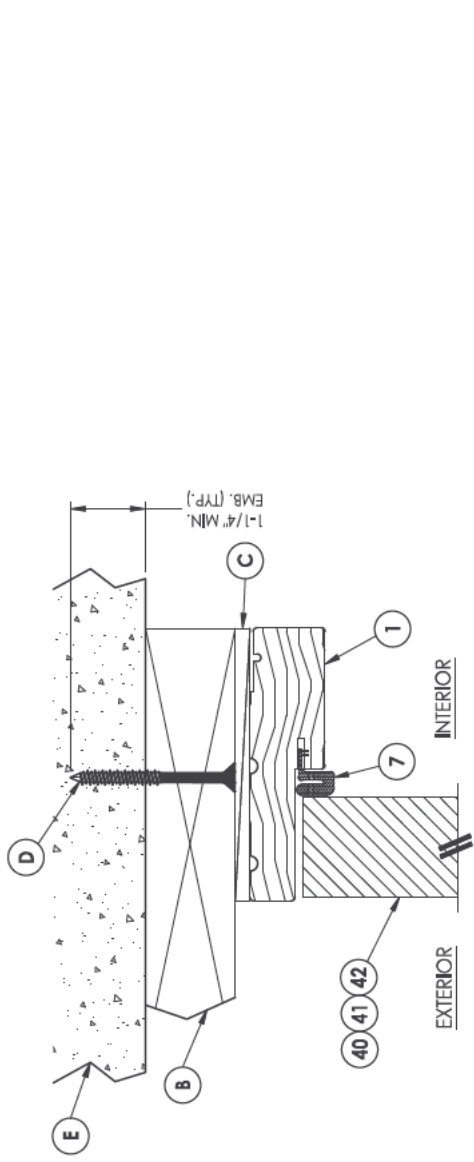


| NO. | DATE     | REVISIONS                    | BY  |
|-----|----------|------------------------------|-----|
| 1   | 7/7/17   | UPDATE TO 6th ED (2017) FBC  | JK  |
| 2   | 11/15/17 | RECEIVED PANEL NOTATION      | JK  |
| 3   | 10/09/18 | REV. DOOR PANEL OPTION NOTE  | MT  |
| 4   | 7/21/20  | UPDATE TO 7th ED (2020) FBC  | LFS |
| 5   | 7/19/23  | UPDATE TO 8th ED. (2023) FBC | LFS |

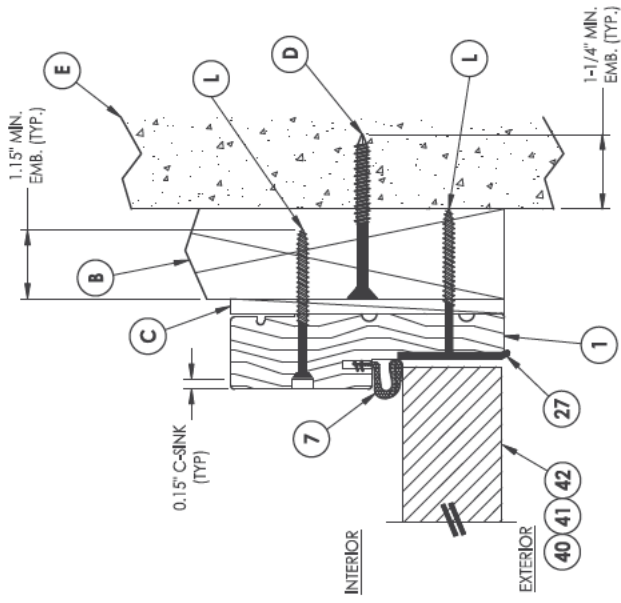
|                            |
|----------------------------|
| DATE: 5/26/16              |
| SCALE: N.T.S.              |
| DWG. BY: JK                |
| CHK. BY: LFS               |
| DRAWING NO.:<br>FL-20461.1 |
| SHEET 3 OF 11              |

Documents Prepared By: Lyndon F. Schmidt  
P.E. No. 43409  
JW  
BUILDING CONSULTANTS, INC.  
P.O. Box 230, Venice, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

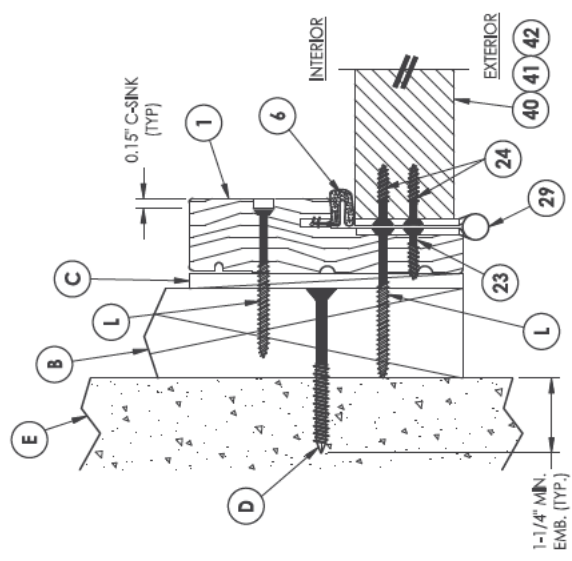
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|---------------------------------|--|------------------------------------|--|------------------------------|--|------------------------|--|-----------------------------------|--|------------------------------------------------|--|
| SHEET 4 of 11                   |  | DRAWING NO.: FL-20461.1            |  | CHK. BY: LFS                 |  | DWG. BY: JK            |  | SCALE: N.T.S.                     |  | DATE: 5/26/16                                  |  |
| 5                               |  | 7/19/23                            |  | UPDATE TO 8TH ED. (2023) FBC |  | LFS                    |  | PRODUCT: THERMA-TRU               |  | FIBERGLASS DOOR                                |  |
| 4                               |  | 7/21/20                            |  | UPDATE TO 7th ED (2020) FBC  |  | LFS                    |  | PART OR ASSEMBLY: FIBERGLASS DOOR |  | HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK) |  |
| 3                               |  | 10/09/18                           |  | REV. DOOR PANEL OPTION NOTE  |  | MT                     |  | PART OR ASSEMBLY: FIBERGLASS DOOR |  | HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK) |  |
| 2                               |  | 11/15/17                           |  | RECESSED PANEL NOTATION      |  | JK                     |  | PART OR ASSEMBLY: FIBERGLASS DOOR |  | HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK) |  |
| 1                               |  | 7/7/17                             |  | UPDATE TO 6th ED (2017) FBC  |  | JK                     |  | PART OR ASSEMBLY: FIBERGLASS DOOR |  | HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK) |  |
| REVISONS                        |  | NO. DATE                           |  | UPDATE TO 6th ED (2017) FBC  |  | JK                     |  | PART OR ASSEMBLY: FIBERGLASS DOOR |  | HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK) |  |
| B.W. BUILDING CONSULTANTS, INC. |  | P.O. Box 230, Vero Beach, FL 33595 |  | Phone No.: 813.659.9197      |  | FBPE Registry No. 9813 |  | P.E. No. 43409                    |  | Lyndon F. Schmidt                              |  |



1 VERTICAL CROSS SECTION  
4 Shown w/ 2X Buck  
Outswing shown (inswing similar)



3 HORIZONTAL CROSS SECTION  
4 Shown w/ 2X Buck  
Outswing shown (inswing similar)



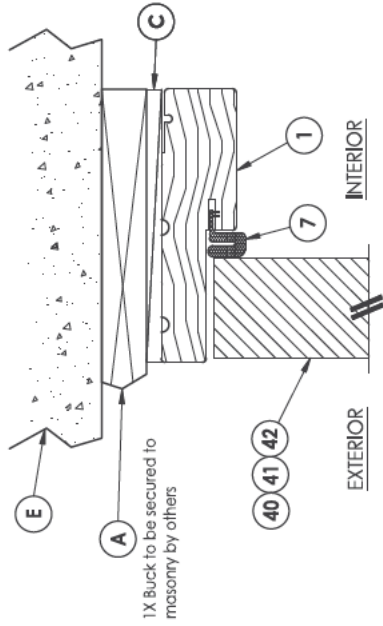
2 HORIZONTAL CROSS SECTION  
4 Shown w/ 2X Buck  
Outswing shown (inswing similar)

|                        |          |                              |        |
|------------------------|----------|------------------------------|--------|
| DATE:                  | 5/26/16  | SCALE:                       | N.T.S. |
| DWG. BY:               | JK       | CHK. BY:                     | LFS    |
| DRAWING NO. FL-20461.1 |          | SHEET 5 OF 11                |        |
| REVISIONS              |          |                              |        |
| NO.                    | DATE     | DESCRIPTION                  | BY     |
| 1                      | 7/17/17  | UPDATE TO 6th ED (2017) FBC  | JK     |
| 2                      | 11/15/17 | RECEIVED PANEL NOTATION      | JK     |
| 3                      | 10/09/18 | REV. DOOR PANEL OPTION NOTE  | MT     |
| 4                      | 7/21/20  | UPDATE TO 7th ED (2020) FBC  | LFS    |
| 5                      | 7/19/23  | UPDATE TO 8TH ED. (2023) FBC | LFS    |

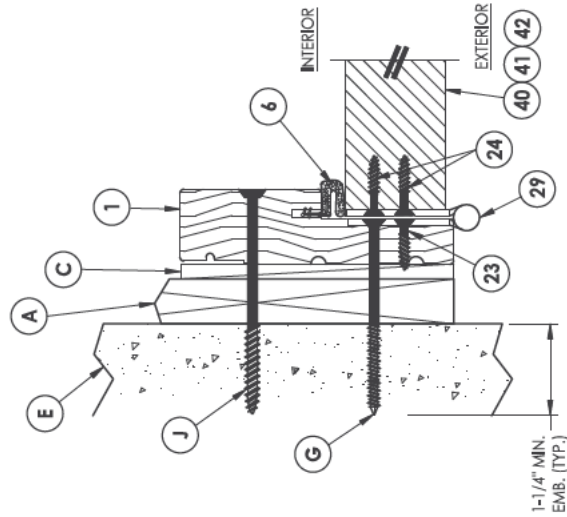
Documents Prepared By: Lyndon F. Schmidt  
P.E. No. 43409

*RF*

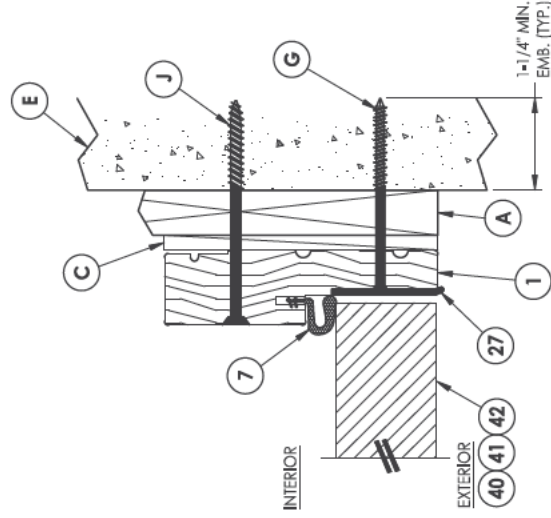
BUILDING CONSULTANTS, INC.  
P.O. Box 230, Vero Beach, FL 33595  
Phone No.: 813.659.8197  
FBPE Registry No. 9813



**1** **VERTICAL CROSS SECTION**  
**5** Shown w/ 1X sub-buck  
Outwowing shown (inswing similar)



**2 HORIZONTAL CROSS SECTION**  
**5** Shown w/ 1X sub-buck  
 Outswing shown (Inswing similar)

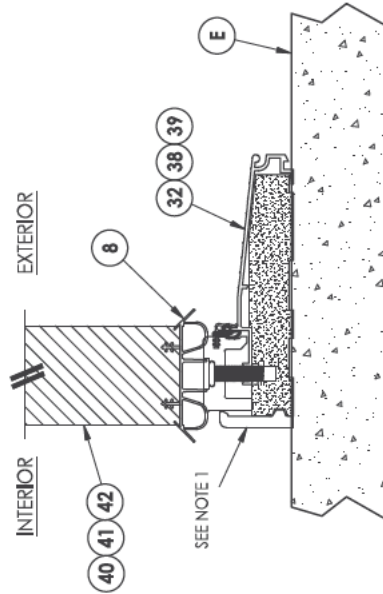


**3 HORIZONTAL CROSS SECTION**  
**5** Shown w/ 1X sub-buck  
Outswing shown (Inswing similar)

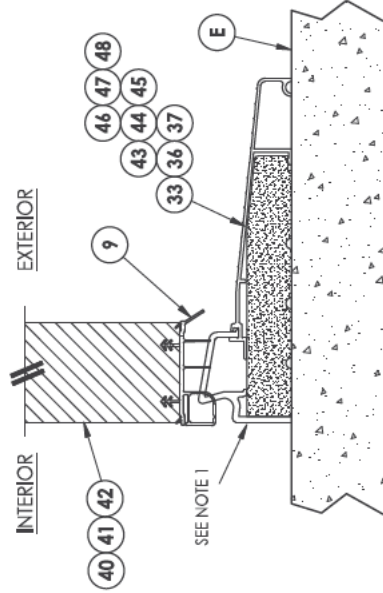
|                                                                                   |                                                                                     |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| PRODUCT:                                                                          | THERMA-TRU<br>FIBERGLASS DOOR                                                       |
| PART OR ASSEMBLY:                                                                 | HORIZONTAL & VERTICAL<br>SECTIONS (DIRECT TO MASONRY)                               |
|  |                                                                                     |
| Documents Prepared By:                                                            | Lyndon F. Schmidt<br>P.E. No. 43409                                                 |
| BUILDING CONSULTANTS, INC.                                                        | P.O. Box 230, Valrico, FL 33595<br>Phone No.: 813.659.9917<br>FBPF Regular No. 9813 |

Notes:

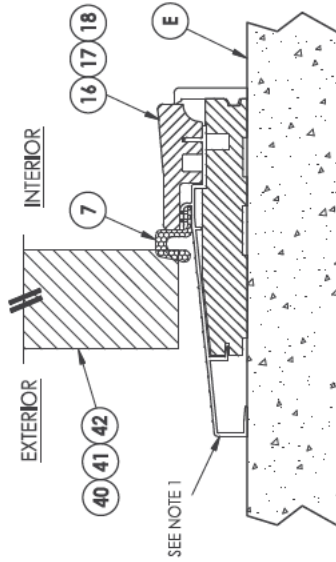
1. Sill Item #s 16, 32, 36, 37, 38, 39, 43, 44, 46, 47 & 48 are attached to jambs w/ (3) #8 X 2-1/2" pth screws or (3) 2.5" staples at each end.
2. Sill Item #s 17 & 18 are attached to jambs w/ (2) #8 X 2-1/2" pth screws at each end.
3. Sill Item #15 is attached to jambs utilizing (2) #10 X 2" pph SMS screws at each end.



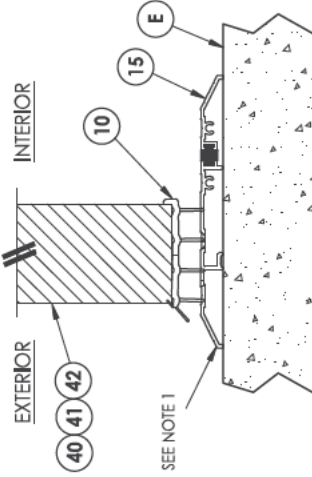
1 VERTICAL CROSS SECTION  
7 Inswing Sill



2 VERTICAL CROSS SECTION  
7 Inswing Sill



3 VERTICAL CROSS SECTION  
7 Outswing Sill



4 VERTICAL CROSS SECTION  
7 Public Access Sill

|                                                                                                                       |  |                                                                                                 |  |
|-----------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------|--|
| BUILDING CONSULTANTS, INC.<br>P.O. Box 230, Vero Beach, FL 33595<br>Phone No.: 813.659.9197<br>FBPE Registry No. 9813 |  | R.W. BUILDING CONSULTANTS INC.<br>P.E. No. 43409<br>Lyndon F. Schmidt<br>Documents Prepared By: |  |
| THERMA-TRU<br>FIBERGLASS DOOR                                                                                         |  | VERTICAL CROSS SECTIONS (THRESHOLDS)                                                            |  |
| PART OR ASSEMBLY:                                                                                                     |  | REVISIONS                                                                                       |  |
| BY:                                                                                                                   |  | NO. DATE                                                                                        |  |
| JK                                                                                                                    |  | 1 7/7/17 UPDATE TO 6th ED (2017) FBC                                                            |  |
| MT                                                                                                                    |  | 2 11/15/17 RECESSED PANEL NOTATION                                                              |  |
| LFS                                                                                                                   |  | 3 10/09/18 REV. DOOR PANEL OPTION NOTE                                                          |  |
| LFS                                                                                                                   |  | 4 7/21/20 UPDATE TO 7th ED (2020) FBC                                                           |  |
| LFS                                                                                                                   |  | 5 7/19/23 UPDATE TO 8TH ED. (2023) FBC                                                          |  |
| DATE: 5/26/16                                                                                                         |  | SCALE: N.T.S.                                                                                   |  |
| DWG. BY: JK                                                                                                           |  | CHK. BY: LFS                                                                                    |  |
| DRAWING NO.: FL-20461.1                                                                                               |  | SHEET 7 of 11                                                                                   |  |

|              |            |
|--------------|------------|
| DATE:        | 5/26/16    |
| SCALE:       | N.T.S.     |
| DWG. BY:     | JK         |
| CHK. BY:     | LFS        |
| DRAWING NO.: | FL-20461.1 |
| SHEET        | B OF 11    |

|     |          |
|-----|----------|
| NO. | DATE     |
| 1   | 7/7/17   |
| 2   | 11/15/17 |
| 3   | 10/09/18 |
| 4   | 7/21/20  |
| 5   | 7/19/23  |

|                              |
|------------------------------|
| REVISIONS                    |
| UPDATE TO 8TH ED. (2023) FBC |
| UPDATE TO 7TH ED (2020) FBC  |
| RECESSED PANEL NOTATION      |
| UPDATE TO 6TH ED (2017) FBC  |

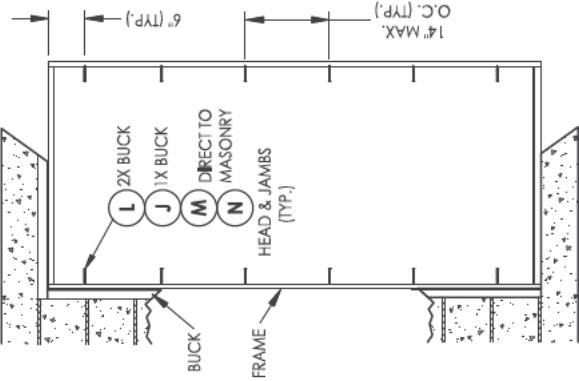
|     |
|-----|
| BY  |
| JK  |
| MT  |
| LFS |

|                        |                 |
|------------------------|-----------------|
| PRODUCT:               | Therma-Tru      |
| PART OR ASSEMBLY:      | FIBERGLASS DOOR |
| BUCK & FRAME ANCHORING |                 |

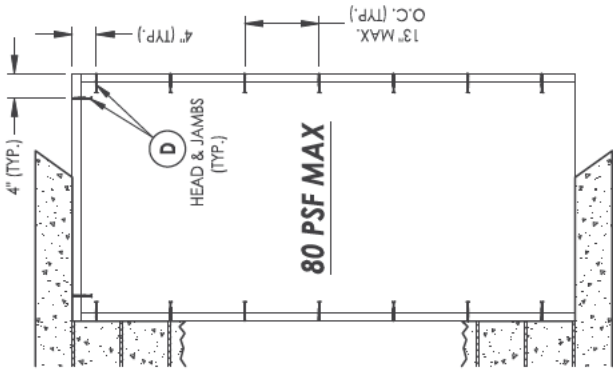
Documents Prepared By:  
Lyndon F. Schmidt  
P.E. No. 43409

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FBPE Registry No. 9813

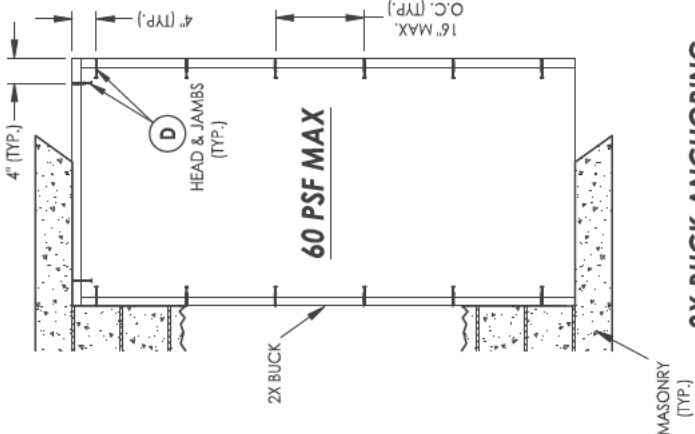
FRAME ANCHORING



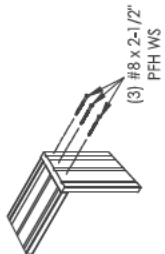
2X BUCK ANCHORING



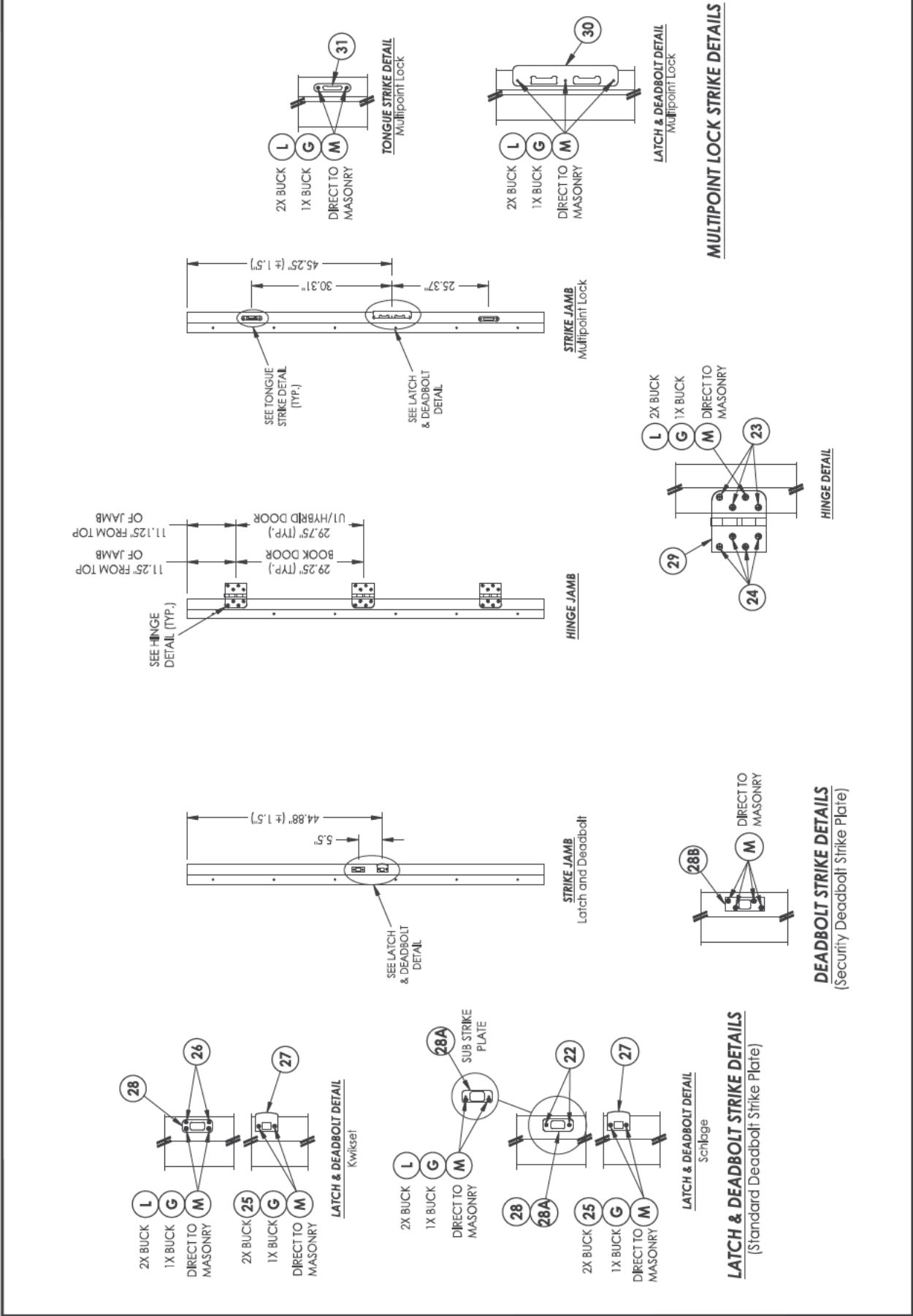
2X BUCK ANCHORING

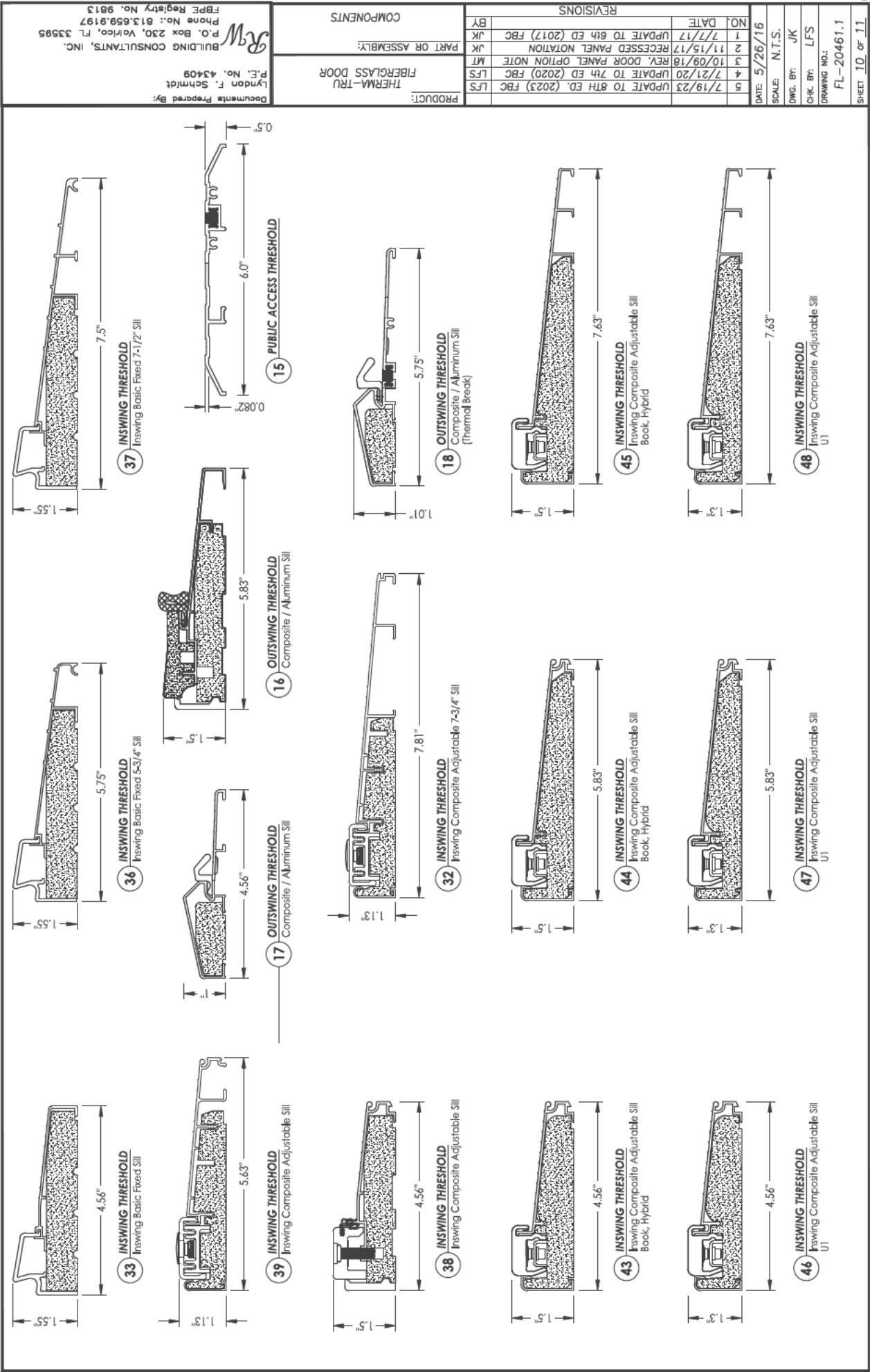


JAMB TO HEAD DETAIL  
(TYP.)



|                                                                                                                                                                        |                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| BUILDING CONSULTANTS, INC.<br>P.O. Box 230, Vero Beach, FL 33595<br>Phone No.: 813.659.8197<br>FBPE Registry No. 9813                                                  |                                           |
| Documents Prepared By:<br>Lyndon F. Schmidt<br>P.E. No. 43409                                                                                                          | PRODUCT:<br>THERMA-TRU<br>FIBERGLASS DOOR |
| PART OR ASSEMBLY:<br>HARDWARE DETAILS                                                                                                                                  |                                           |
| REVISIONS                                                                                                                                                              |                                           |
| NO.                                                                                                                                                                    | DATE                                      |
| 1                                                                                                                                                                      | 7/7/17                                    |
| 2                                                                                                                                                                      | 11/15/17                                  |
| 3                                                                                                                                                                      | 10/09/18                                  |
| 4                                                                                                                                                                      | 7/21/20                                   |
| 5                                                                                                                                                                      | 7/19/23                                   |
| UPDATE TO 8TH ED. (2023) FBC LFS<br>UPDATE TO 7TH ED. (2020) FBC LFS<br>REV. DOOR PANEL OPTION NOTE MT<br>RECESSED PANEL NOTATION JK<br>UPDATE TO 6TH ED (2017) FBC BY |                                           |
| DATE: 5/26/16<br>SCALE: N.T.S.<br>DWG. BY: JK<br>CHK. BY: LFS<br>DRAWING NO.: FL-20461.1<br>SHEET 9 OF 11                                                              |                                           |





|                |  |                           |  |                              |  |             |  |                                                                                                                       |  |                                                                                   |  |
|----------------|--|---------------------------|--|------------------------------|--|-------------|--|-----------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------|--|
| SHEET 10 OF 11 |  | DRAWING NO:<br>FL-20461.1 |  | CHK. BY: LFS                 |  | DWG. BY: JK |  | DATE: 5/26/16                                                                                                         |  | SCALE: N.T.S.                                                                     |  |
| 5              |  | 7/19/23                   |  | UPDATE TO 8TH ED. (2023) FBC |  | LFS         |  | PRODUCT:                                                                                                              |  | THERMA-TRU<br>FIBERGLASS DOOR                                                     |  |
| 4              |  | 7/21/20                   |  | UPDATE TO 7TH ED (2020) FBC  |  | LFS         |  | PART OR ASSEMBLY:                                                                                                     |  | COMPONENTS                                                                        |  |
| 3              |  | 10/09/18                  |  | REV. DOOR PANEL OPTION NOTE  |  | MT          |  | BUILDING CONSULTANTS, INC.<br>P.O. Box 230, Vero Beach, FL 33595<br>Phone No.: 813.659.9197<br>FBPE Registry No. 9813 |  |  |  |
| 2              |  | 11/15/17                  |  | RECESSED PANEL NOTATION      |  | JK          |  |                                                                                                                       |  |                                                                                   |  |
| 1              |  | 7/7/17                    |  | UPDATE TO 6TH ED (2017) FBC  |  | JK          |  |                                                                                                                       |  |                                                                                   |  |
| NO.            |  | DATE                      |  |                              |  |             |  | BY                                                                                                                    |  |                                                                                   |  |
| REVISONS       |  |                           |  |                              |  |             |  |                                                                                                                       |  |                                                                                   |  |

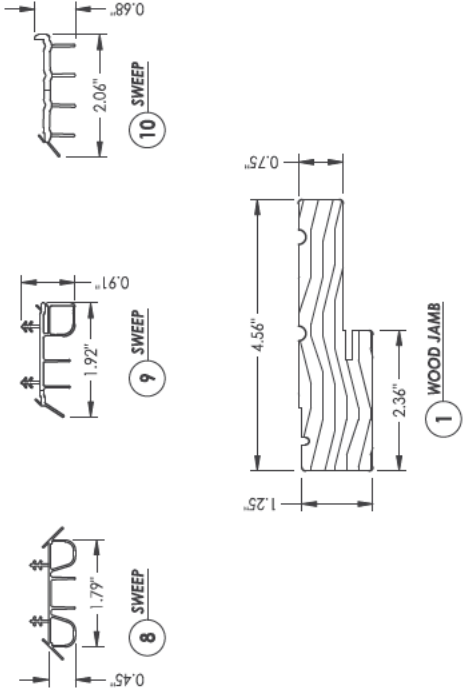
| BILL OF MATERIALS |                                                                                                |           |        | BILL OF MATERIALS                             |           |  |  |
|-------------------|------------------------------------------------------------------------------------------------|-----------|--------|-----------------------------------------------|-----------|--|--|
| ITEM #            | DESCRIPTION                                                                                    | MATERIAL  | ITEM # | DESCRIPTION                                   | MATERIAL  |  |  |
| A                 | 1X BUCK (SG >= 0.42)                                                                           | WOOD      | 26     | #8 x 5/8" PFH WOOD SCREW                      | STEEL     |  |  |
| B                 | 2X BUCK (SG >= 0.42)                                                                           | WOOD      | 27     | LATCH STRIKE PLATE                            | STEEL     |  |  |
| C                 | 1/4" MAX. SHIM SPACE                                                                           | -         | 28     | DEADBOLT STRIKE PLATE (STANDARD)              | STEEL     |  |  |
| D                 | 1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW                                                 | STEEL     | 28A    | DEADBOLT SUB STRIKE PLATE                     | STEEL     |  |  |
| E                 | MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90 | CONCRETE  | 28B    | DEADBOLT STRIKE PLATE (SECURITY)              | STEEL     |  |  |
| G                 | 3/16" X 3-1/4" ITW CONCRETE SCREW                                                              | STEEL     | 29     | 4" X 4" HINGE                                 | STEEL     |  |  |
| J                 | 1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW                                                 | STEEL     | 30     | LATCH & DEADBOLT STRIKE PLATE (TONGUE SYSTEM) | ALUM/COMP |  |  |
| L                 | #10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)                                             | STEEL     | 31     | MULTIPOINT STRIKE PLATE (TONGUE SYSTEM)       | ALUM/COMP |  |  |
| M                 | 3/16" X 2-1/4" ITW CONCRETE SCREW                                                              | STEEL     | 32     | INSWING THRESHOLD                             | ALUM/COMP |  |  |
| N                 | 3/16" X 2-3/4" ITW CONCRETE SCREW                                                              | STEEL     | 33     | INSWING THRESHOLD                             | ALUM/COMP |  |  |
| 1                 | JAMB (FINGER JOINT PINE)                                                                       | WOOD      | 36     | INSWING THRESHOLD                             | ALUM/COMP |  |  |
| 6                 | WEATHERSTRIP (MEDIUM REACH)                                                                    | FOAM      | 37     | INSWING THRESHOLD                             | ALUM/COMP |  |  |
| 7                 | WEATHERSTRIP (LONG REACH)                                                                      | FOAM      | 38     | INSWING THRESHOLD                             | ALUM/COMP |  |  |
| 8                 | SWEEP                                                                                          | VINYL     | 39     | INSWING THRESHOLD                             | ALUM/COMP |  |  |
| 9                 | SWEEP (USE w/ INSWING BASIC FIXED SILL)                                                        | VINYL     | 40     | DOOR PANEL (BOOK)                             | -         |  |  |
| 10                | SWEEP (USE w/ PUBLIC ACCESS THRESHOLD)                                                         | VINYL     | 41     | DOOR PANEL (HYBRID)                           | -         |  |  |
| 15                | PUBLIC ACCESS THRESHOLD                                                                        | ALUM      | 42     | DOOR PANEL (UI)                               | -         |  |  |
| 16                | OUTSWING THRESHOLD                                                                             | ALUM/COMP | 43     | INSWING THRESHOLD                             | ALUM/COMP |  |  |
| 17                | OUTSWING THRESHOLD                                                                             | ALUM/COMP | 44     | INSWING THRESHOLD                             | ALUM/COMP |  |  |
| 18                | OUTSWING THRESHOLD                                                                             | ALUM/COMP | 45     | INSWING THRESHOLD                             | ALUM/COMP |  |  |
| 22                | #8 x 3/4" PFH WOOD SCREW                                                                       | STEEL     | 46     | INSWING THRESHOLD                             | ALUM/COMP |  |  |
| 23                | #10 x 3/4" PFH WOOD SCREW                                                                      | STEEL     | 47     | INSWING THRESHOLD                             | ALUM/COMP |  |  |
| 24                | #10 x 1" PFH WOOD SCREW                                                                        | STEEL     | 48     | INSWING THRESHOLD                             | ALUM/COMP |  |  |
| 25                | #8 x 2-1/2" PFH WOOD SCREW                                                                     | STEEL     |        |                                               |           |  |  |

- 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 TAPCON®      | 1/4"        | 1-1/4"         | 2"                             | 4"                                |
| DeWALT ULTRACON® | 1/4"        | 1-1/4"         | 1"                             | 4"                                |
| ITW TAPCON®      | 3/16"       | 1-1/4"         | AS SHOWN                       | 1-1/2"                            |

**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.



|                                                                                                                                                                                                           |                                                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| REVISIONS<br>5 UPDATE TO 8TH ED. (2023) FBC LFS<br>4 UPDATE TO 7th ED. (2020) FBC LFS<br>3 REV. DOOR PANEL OPTION NOTE MT<br>2 RECESSED PANEL NOTATION JK<br>1 UPDATE TO 6th ED (2017) FBC JK<br>NO. DATE | DATE: 5/26/16<br>SCALE: N.T.S.<br>DWG. BY: JK<br>CHK. BY: LFS<br>DRAWING NO.: FL-20461.1<br>SHEET 11 OF 11                                                                          |
| PRODUCT: THERMA-TRU FIBERGLASS DOOR<br>PART OR ASSEMBLY:<br>COMPONENTS & BILL OF MATERIALS                                                                                                                | Documents Prepared By: Lyndon F. Schmidt<br>P.E. No. 43409<br>BUILDING CONSULTANTS, INC.<br>P.O. Box 230, Vero Beach, FL 33595<br>Phone No.: 813.659.9197<br>FBPE Registry No. 9813 |