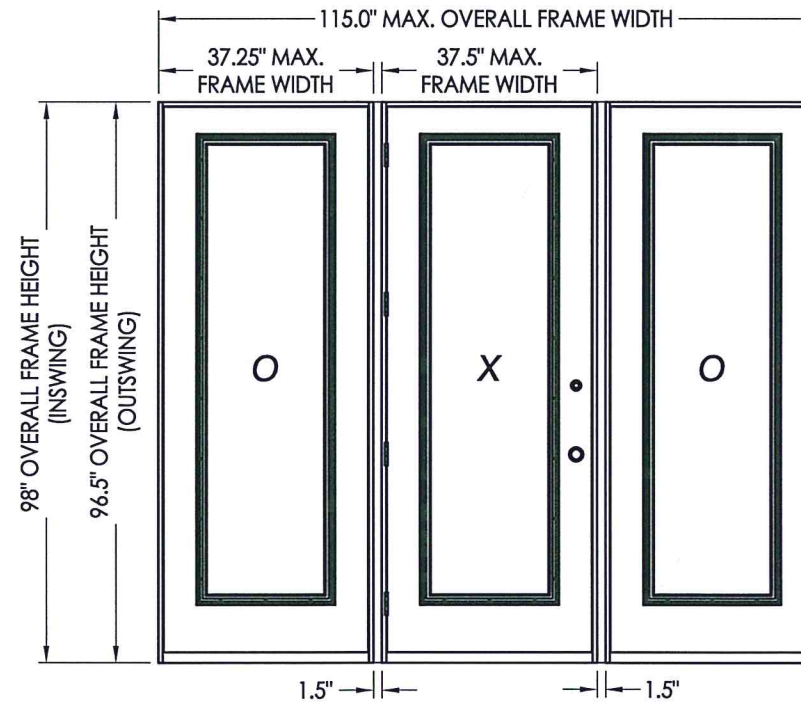
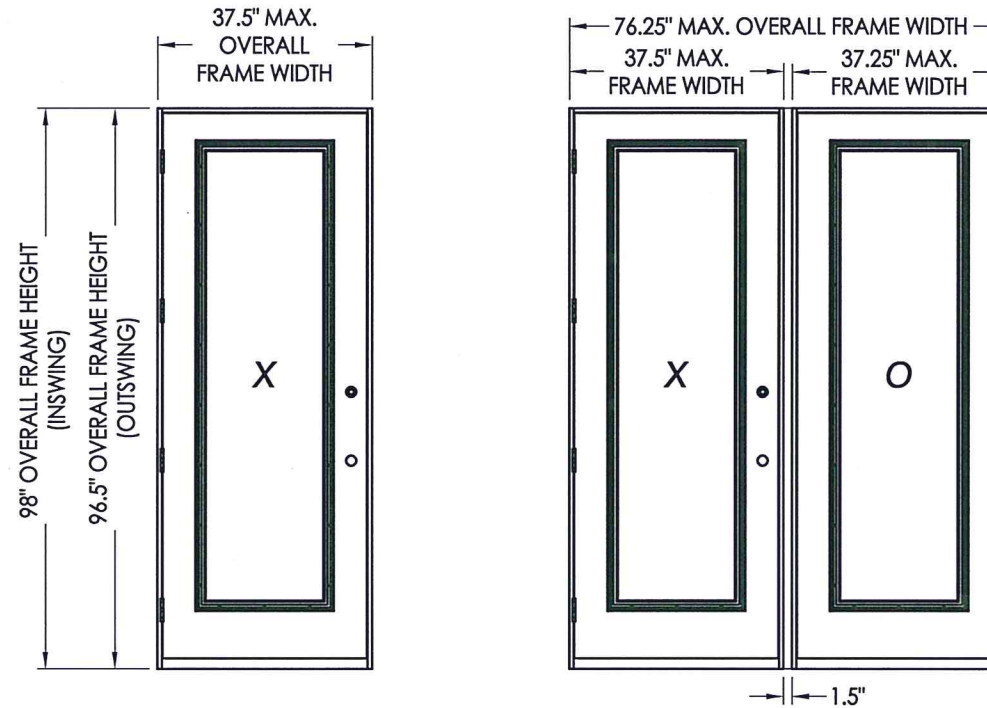


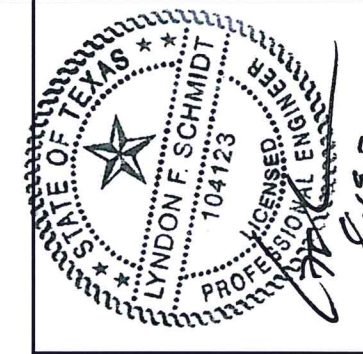


AMERICA'S DOORMAKER  
631 N. FIRST ST. WEST BRANCH, MI 48661

# GLAZED STEEL DOORS SINGLES w/ or w/o SIDELITES IN SWING / OUT SWING "IMPACT"



| CONFIG. | MAX. FRAME DIMENSION | DESIGN PRESSURE (PSF) INSWING |       | DESIGN PRESSURE (PSF) OUTSWING |       |
|---------|----------------------|-------------------------------|-------|--------------------------------|-------|
|         |                      | POS.                          | NEG.  | POS.                           | NEG.  |
| X       | 37.5" x 98.0"        |                               |       |                                |       |
| OX / XO | 76.25" x 98.0"       | +50.0                         | -50.0 | +50.0                          | -50.0 |
| OXO     | 115.0" x 98.0"       |                               |       |                                |       |



Documents Prepared By: Lyndon F. Schmidt, P.E.  
TEXAS P.E. #104123

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

TEXAS BOARD OF PROFESSIONAL ENGINEERS  
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: TAYLOR DOOR STEEL DOOR

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

| NO. | DATE    | UPDATE TO 2018 IBC/IRC CODE | LFS | BY |
|-----|---------|-----------------------------|-----|----|
| 1   | 8/19/20 |                             |     |    |

REVISIONS

DATE: 11/3/14  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: TX-4506  
SHEET 1 OF 7

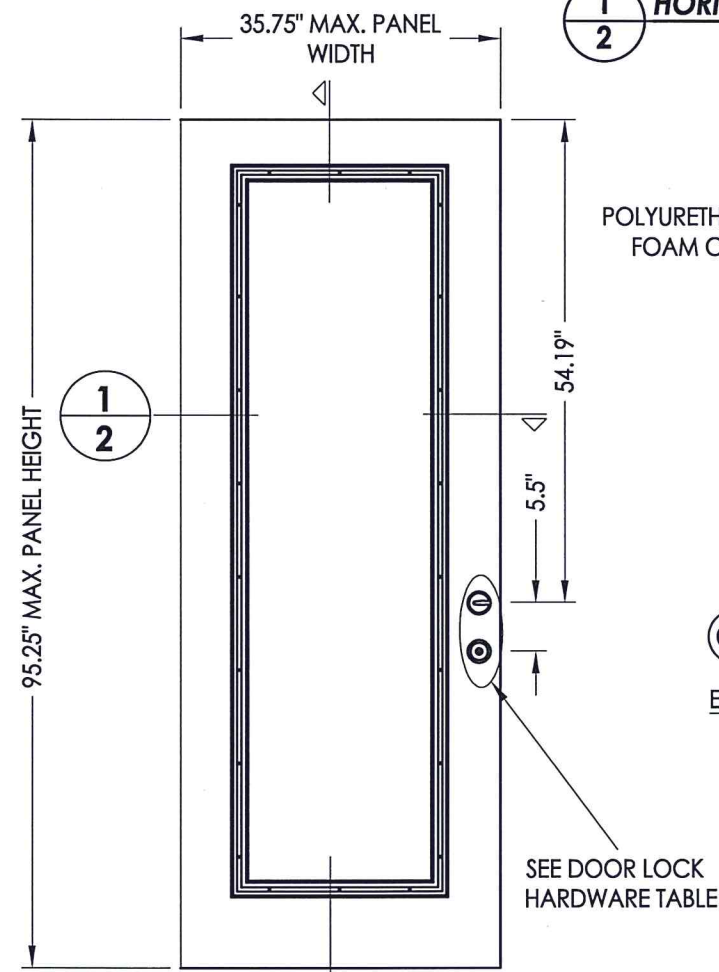
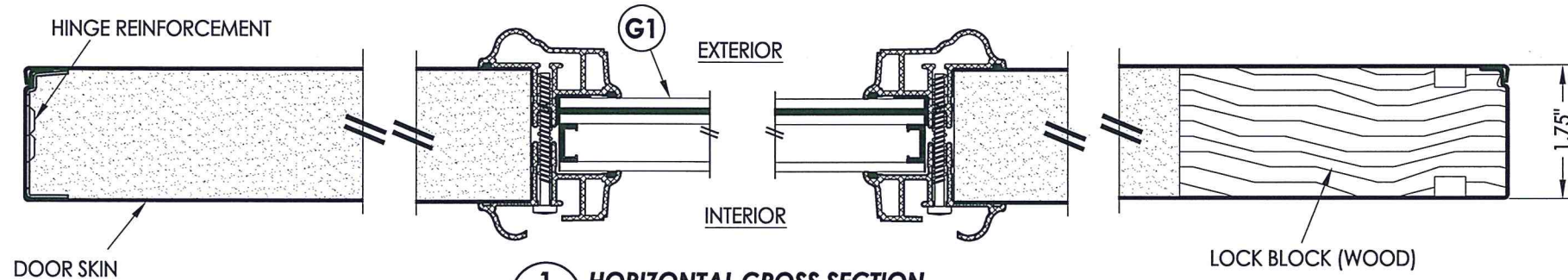
### EVALUATED FOR USE IN THE STATE OF TEXAS

The Steel Door system described herein complies with the 2018 International Residential Code (IRC), Sections R301 & R609 and the 2018 International Building Code (IBC), Sections 1404.13, 1609, 1709.5, 2403 and 2404 subject to the following conditions:

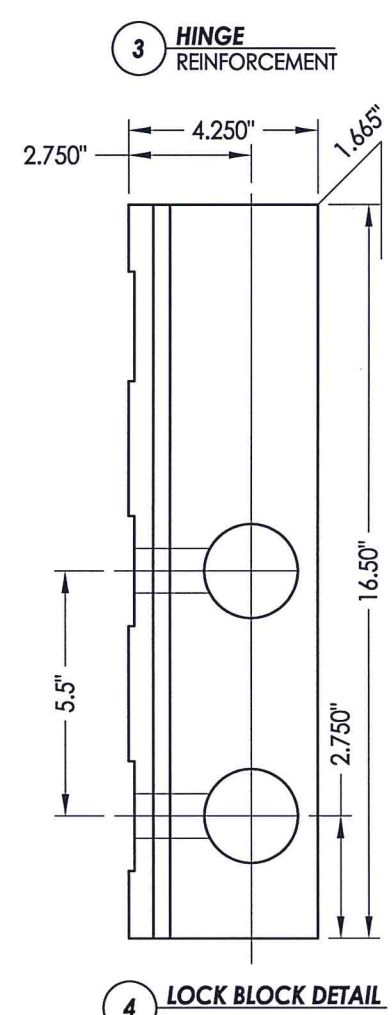
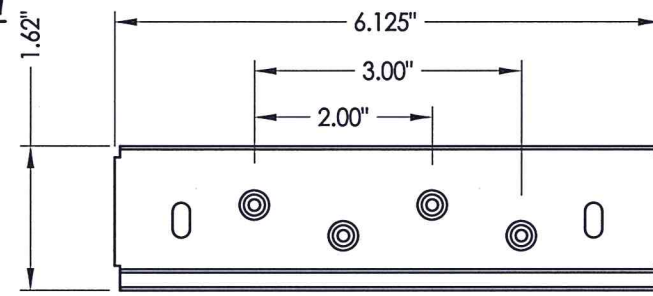
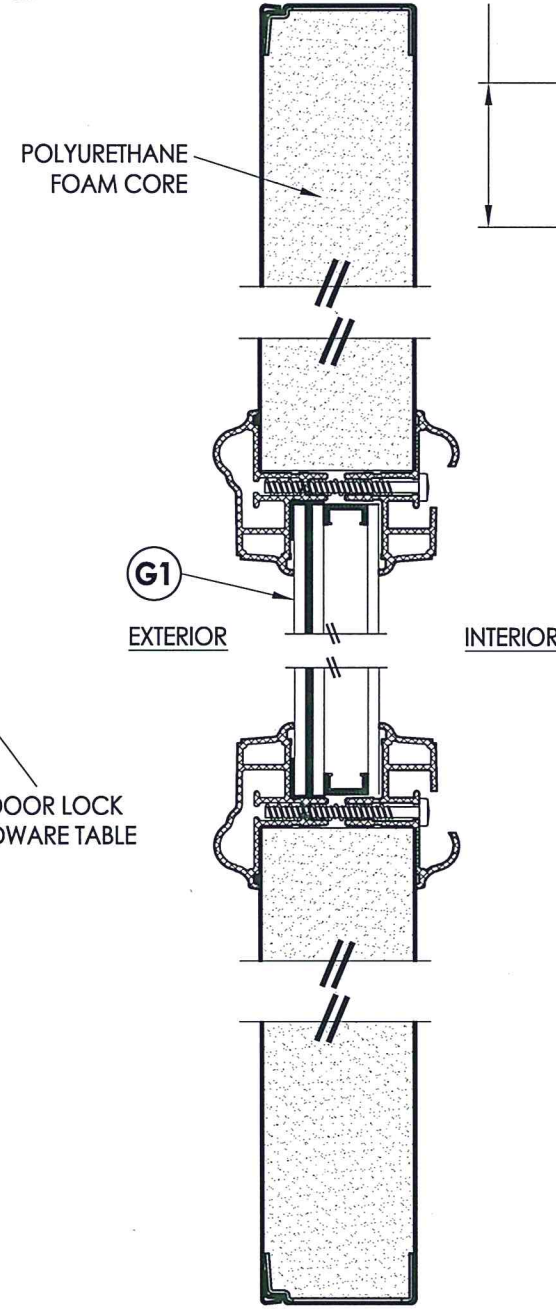
1. Anchors shall be as listed and spaced as shown in the details. Anchor embedment to base material shall be beyond wall dressing or stucco.
2. This system has been tested and evaluated as a large missile impact protective system for installation in areas that require wind borne debris protection. This product meets missile level "D" as defined in ASTM E 1996.
3. Allowable design pressure requirements must be equal to or less than the design pressure rating shown in the design pressure chart, sheet 1 of this drawing.
4. Conditions not covered by this drawing are subject to further engineering analysis.

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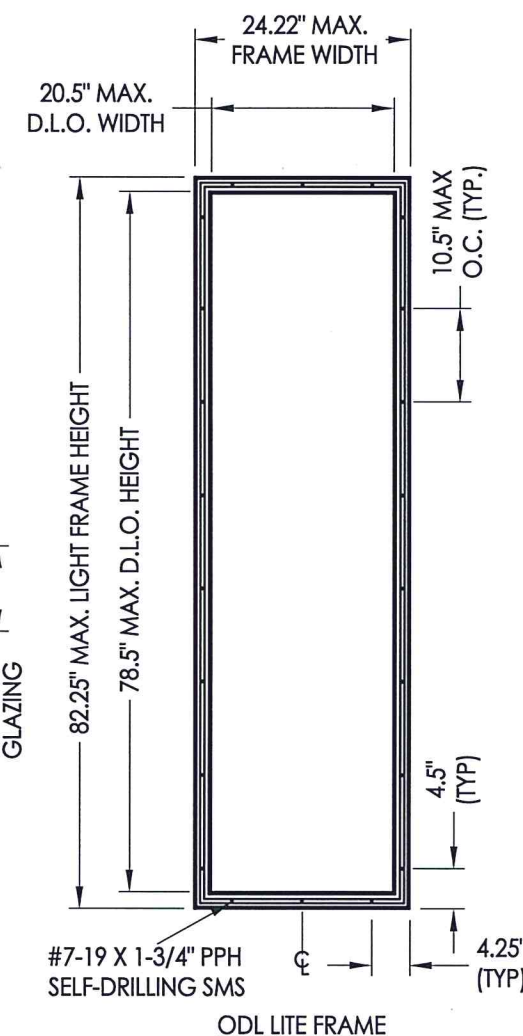
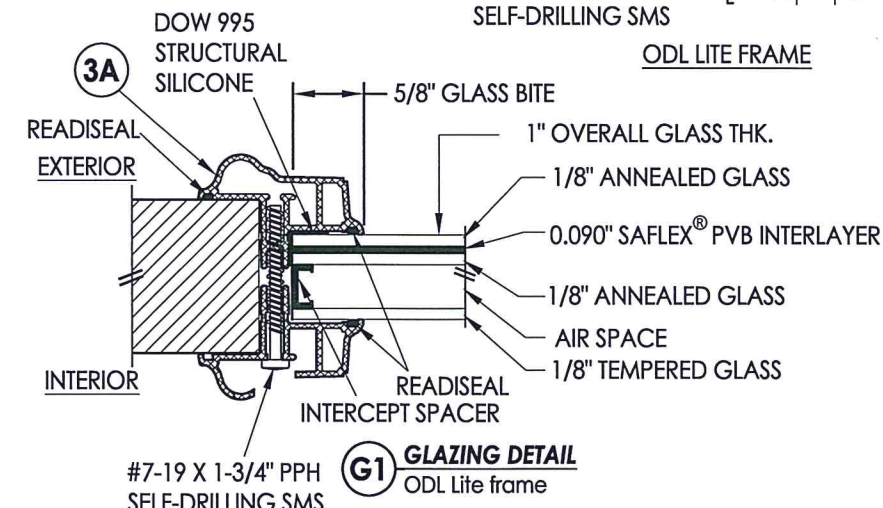
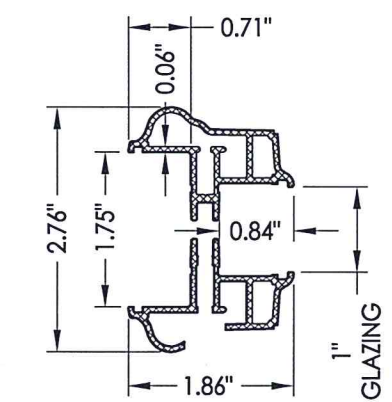
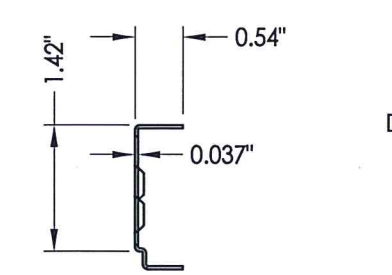
| SHEET# | DESCRIPTION  |
|--------|--|
| 1      | Typical elevations, design pressures & general notes |
| 2      | Door & Sidelite panel details                        |
| 3      | Elevations   |
| 4      | Vertical cross sections                              |
| 5      | Horizontal cross sections                            |
| 6      | Frame anchoring & hardware details                   |
| 7      | Bill of materials and components                     |



**1** HORIZONTAL CROSS SECTION



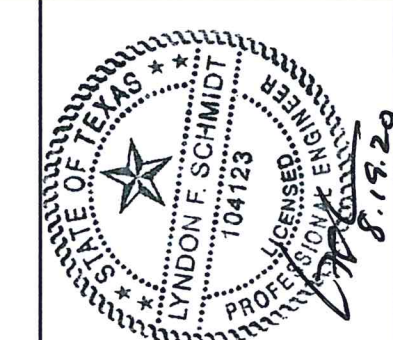
**4** LOCK BLOCK DETAIL



**40** TAYLOR DOOR DOOR PANEL  
**50** TAYLOR DOOR SIDELITE PANEL

DOOR SKIN: 0.022" MIN. THK. STEEL  
CORE MATERIAL: POLYURETHANE FOAM

| HARDWARE CHART |   |
|----------------|---|
| MANUFACTURER   | MODEL   |
| YALE           | KNOB: NEW TRADITIONS<br>DEADBOLT: NEW TRADITIONS (800 SERIES) |
| SCHLAGE        | KNOB/LEVER: "F" SERIES<br>DEADBOLT: B60/62                    |



Documents Prepared By: Lyndon F. Schmidt, P.E.  
TEXAS P.E. #104123

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

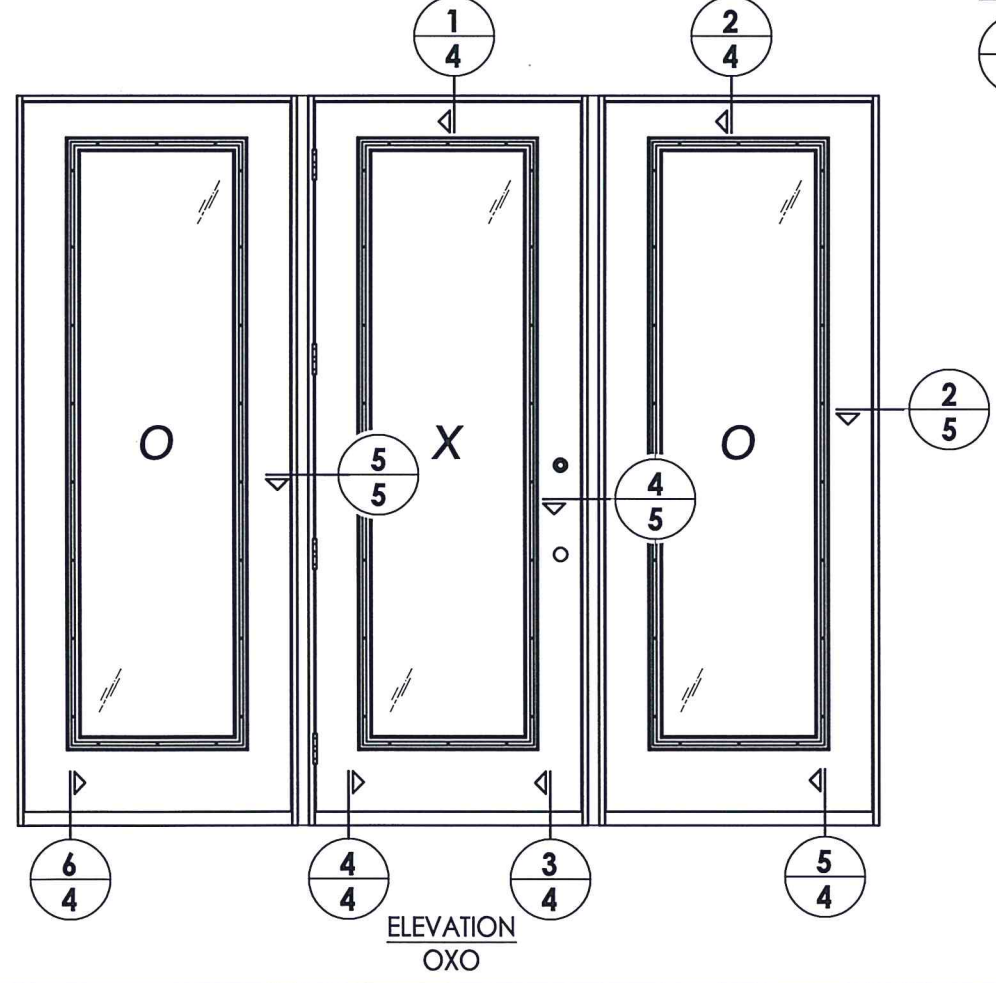
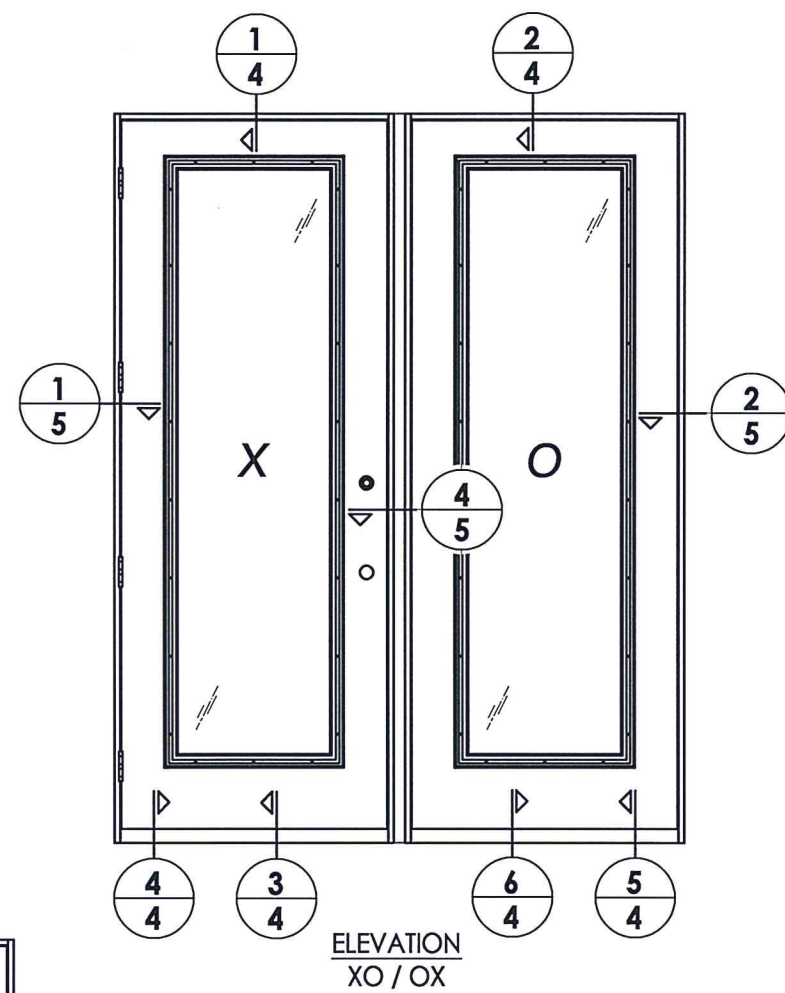
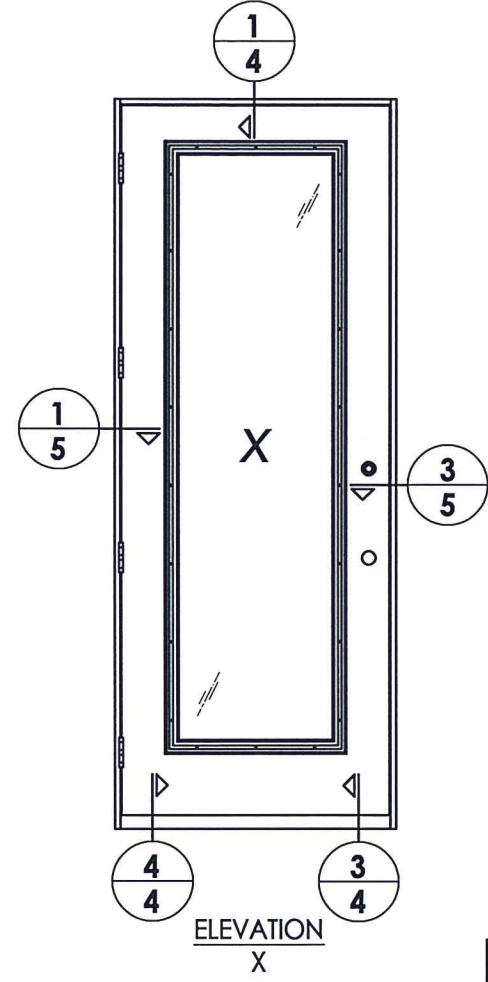
TEXAS BOARD OF PROFESSIONAL ENGINEERS  
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: TAYLOR DOOR  
STEEL DOOR

PART OR ASSEMBLY:  
SIDELITE  
PANEL DETAILS

| REVISIONS |         |     |
|-----------|---------|-----|
| NO.       | DATE    | BY  |
| 1         | 8/19/20 | LFS |

DATE: 11/11/14  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: TX-4506  
SHEET 2 OF 7



Documents Prepared By: Lyndon F. Schmidt, P.E.  
 TEXAS P.E. #104123

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

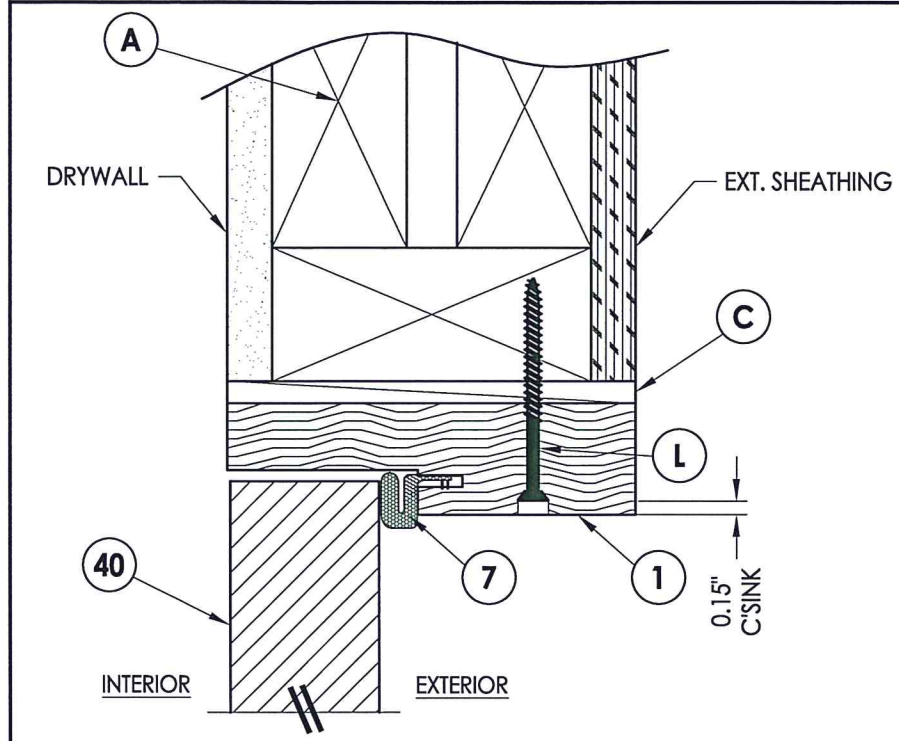
TEXAS BOARD OF PROFESSIONAL ENGINEERS  
 CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: TAYLOR DOOR  
 STEEL DOOR

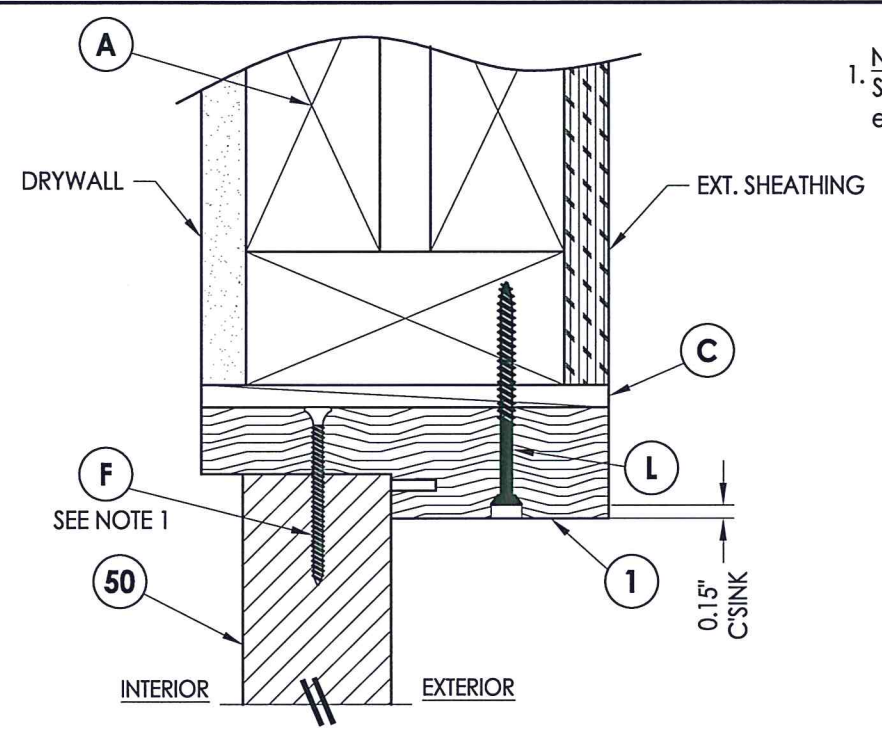
PART OR ASSEMBLY:  
 ELEVATIONS

| NO. | DATE    | REVISIONS                   | BY  |
|-----|---------|-----------------------------|-----|
| 1   | 8/19/20 | UPDATE TO 2018 IBC/IRC CODE | LFS |

DATE: 11/3/14  
 SCALE: N.T.S.  
 DWG. BY: JK  
 CHK. BY: LFS  
 DRAWING NO.: TX-4506  
 SHEET 3 OF 7

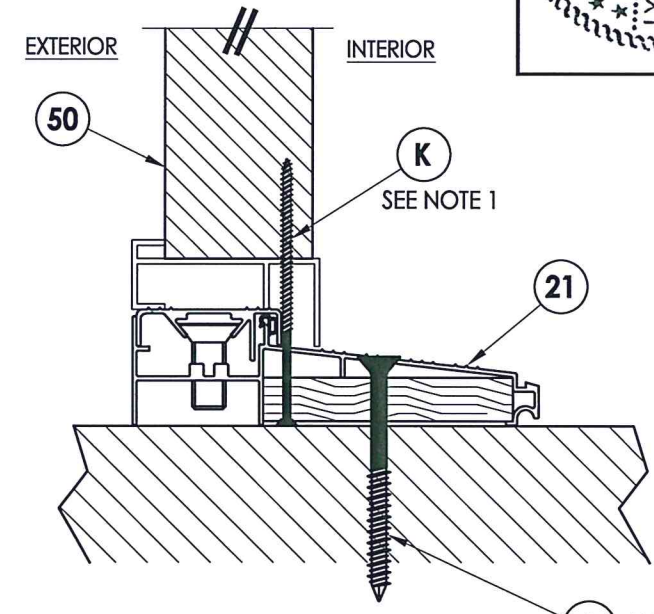


**1** VERTICAL CROSS SECTION  
**4** Inswing shown (Outswing similar)



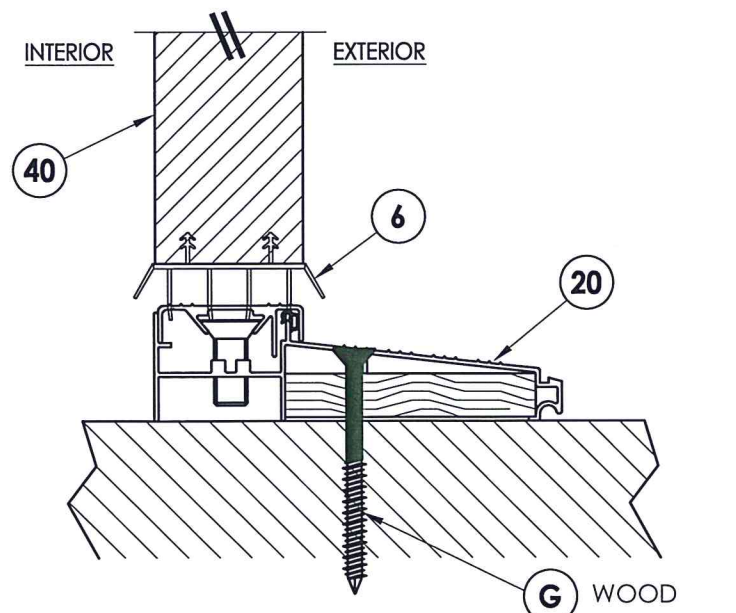
**2** VERTICAL CROSS SECTION  
**4** Inswing shown (Outswing similar)

NOTE:  
 1. Spacing for item F or K @ head & sill: 6" from each end plus 1 @ centerline (3 total).



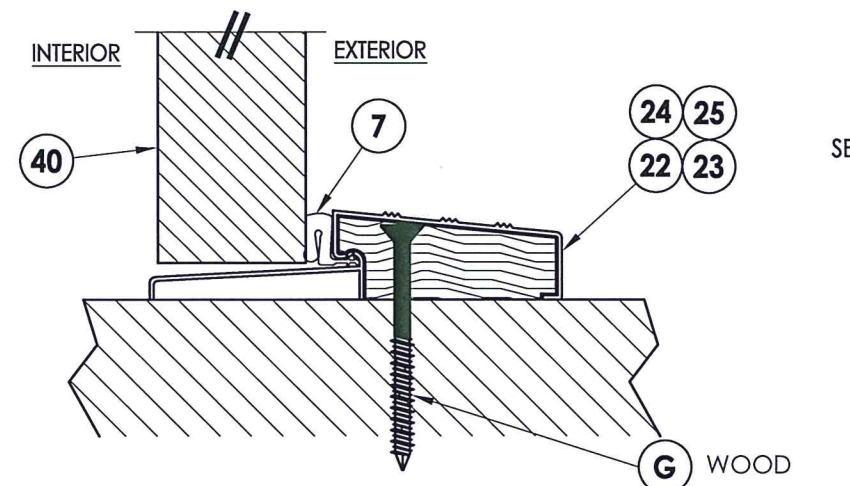
**5** VERTICAL CROSS SECTION  
**4** Inswing sill

**G** WOOD  
**P** CONCRETE



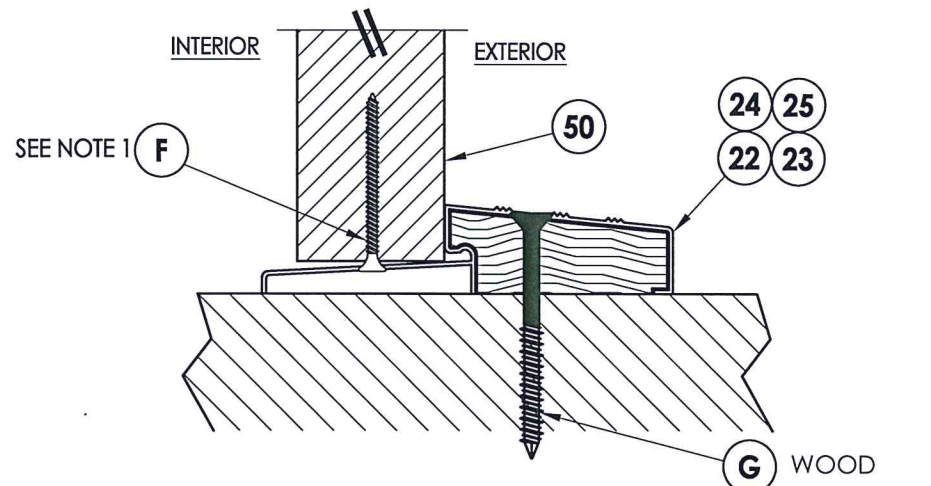
**3** VERTICAL CROSS SECTION  
**4** Inswing sill

**G** WOOD  
**P** CONCRETE



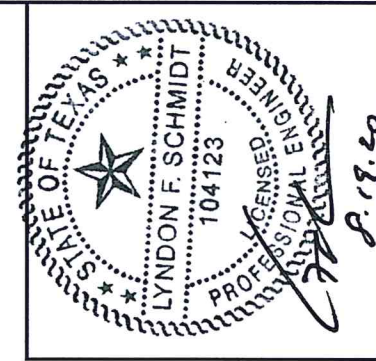
**4** VERTICAL CROSS SECTION  
**4** Outswing sill

**G** WOOD  
**P** CONCRETE



**6** VERTICAL CROSS SECTION  
**4** Outswing sill

**G** WOOD  
**P** CONCRETE



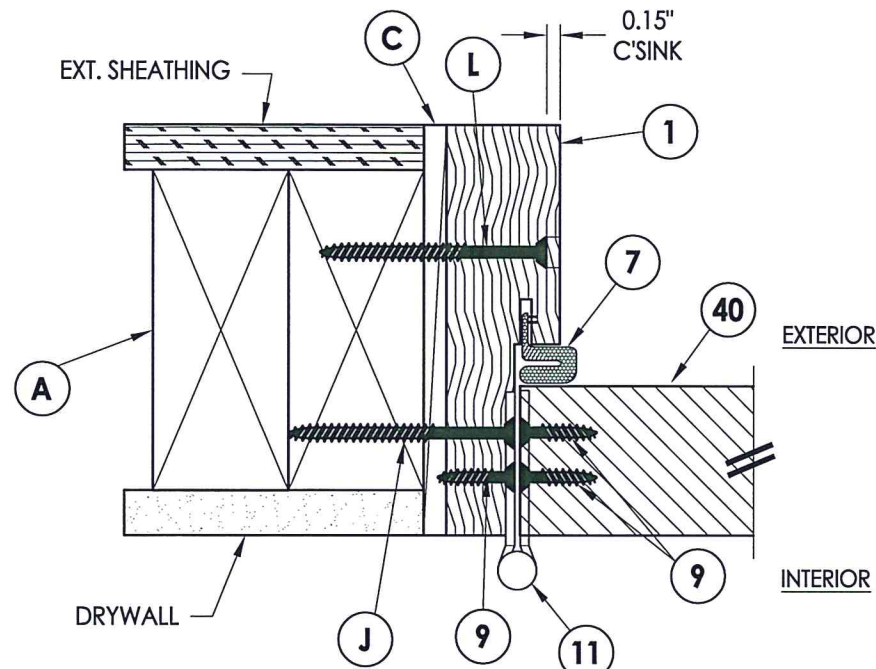
Documents Prepared By: Lyndon F. Schmidt, P.E.  
 TEXAS P.E. #104123  
**R.W.** BUILDING CONSULTANTS, INC.  
 P.O. Box 230 Valrico FL 33595  
 Phone No.: 813.659.9197  
 TEXAS BOARD OF PROFESSIONAL ENGINEERS  
 CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: TAYLOR DOOR STEEL DOOR  
 PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

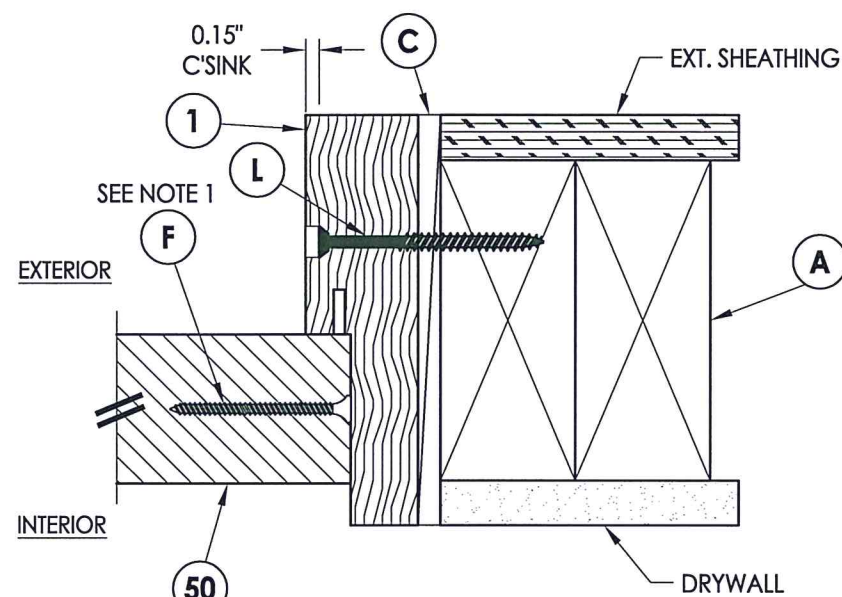
| NO. | DATE    | REVISIONS                   | BY  |
|-----|---------|-----------------------------|-----|
| 1   | 8/19/20 | UPDATE TO 2018 IBC/IRC CODE | LFS |

DATE: 11/3/14  
 SCALE: N.T.S.  
 DWG. BY: JK  
 CHK. BY: LFS  
 DRAWING NO.: TX-4506  
 SHEET 4 OF 7

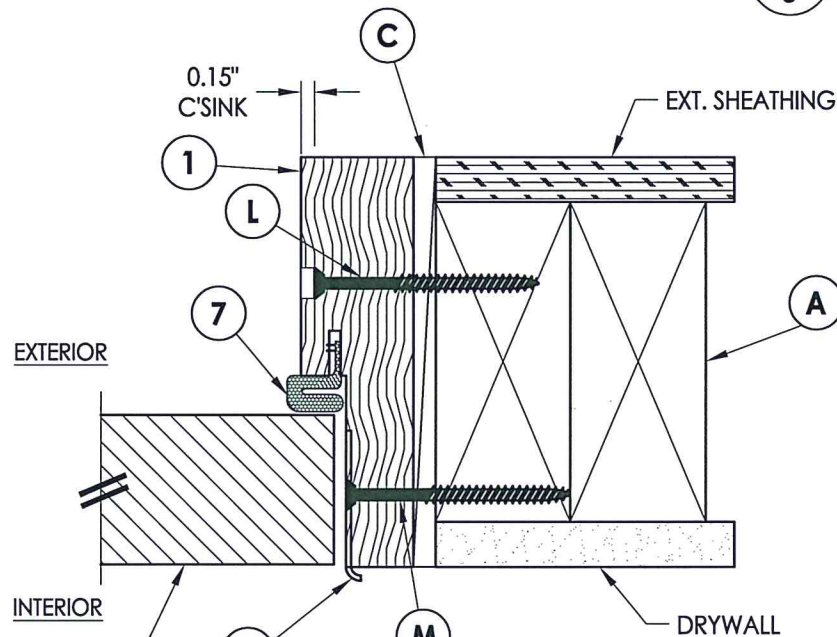
R:\Clients\Taylor Permanent\B - Texas Dept of Ins\TDI - DR 737 6'8 & 8'0 Glazed Steel Doors Impact\Drawings\TX-4504-07.dwg, 5.3



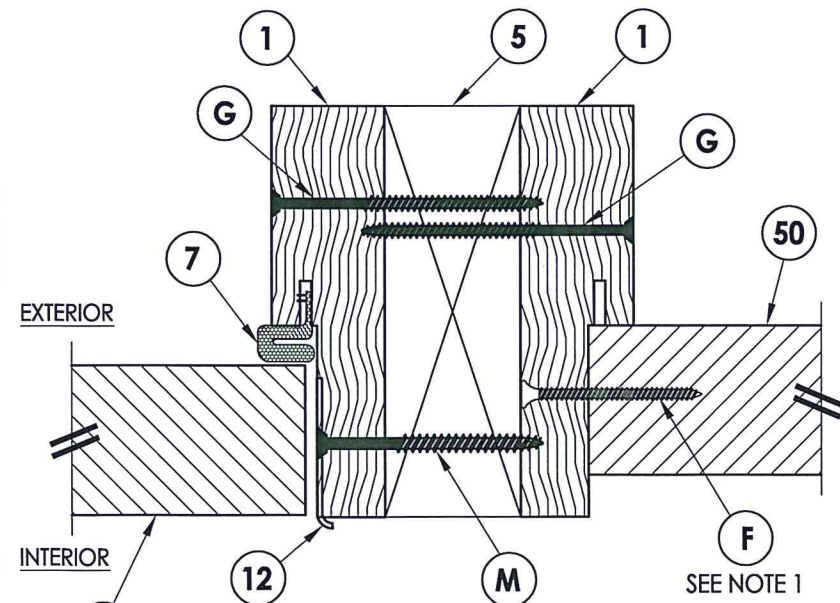
**1** HORIZONTAL CROSS SECTION  
5 Inswing shown (Outswing similar)



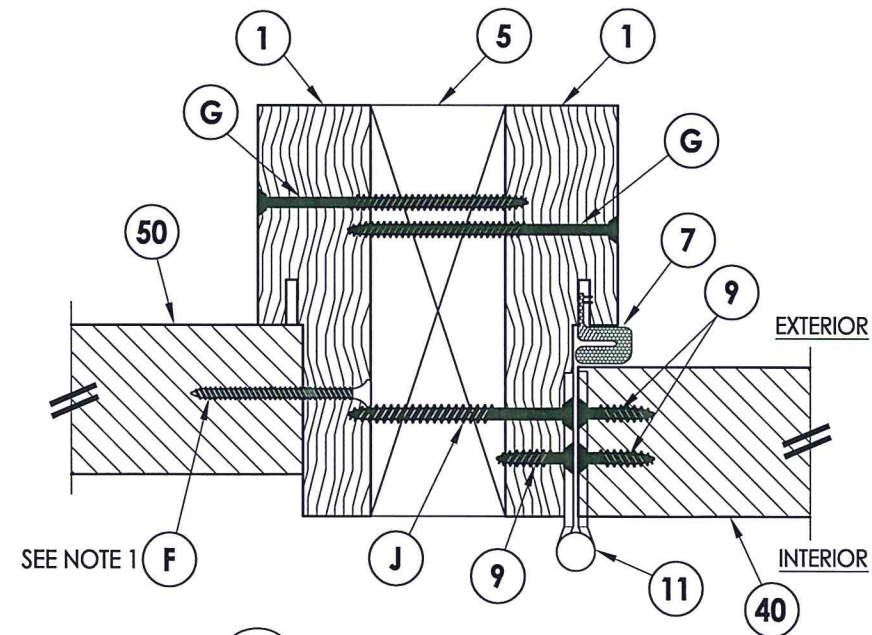
**2** HORIZONTAL CROSS SECTION  
5 Inswing shown (Outswing similar)



**3** HORIZONTAL CROSS SECTION  
5 Inswing shown (Outswing similar)



**4** HORIZONTAL CROSS SECTION  
5 Inswing shown (Outswing similar)



**5** HORIZONTAL CROSS SECTION  
5 Inswing shown (Outswing similar)

NOTE:  
1. Spacing for item F: 6" from each end and 6 more equally spaced along sidelite jamb (8 total).



Documents Prepared By: Lyndon F. Schmidt, P.E.  
TEXAS P.E. #104123

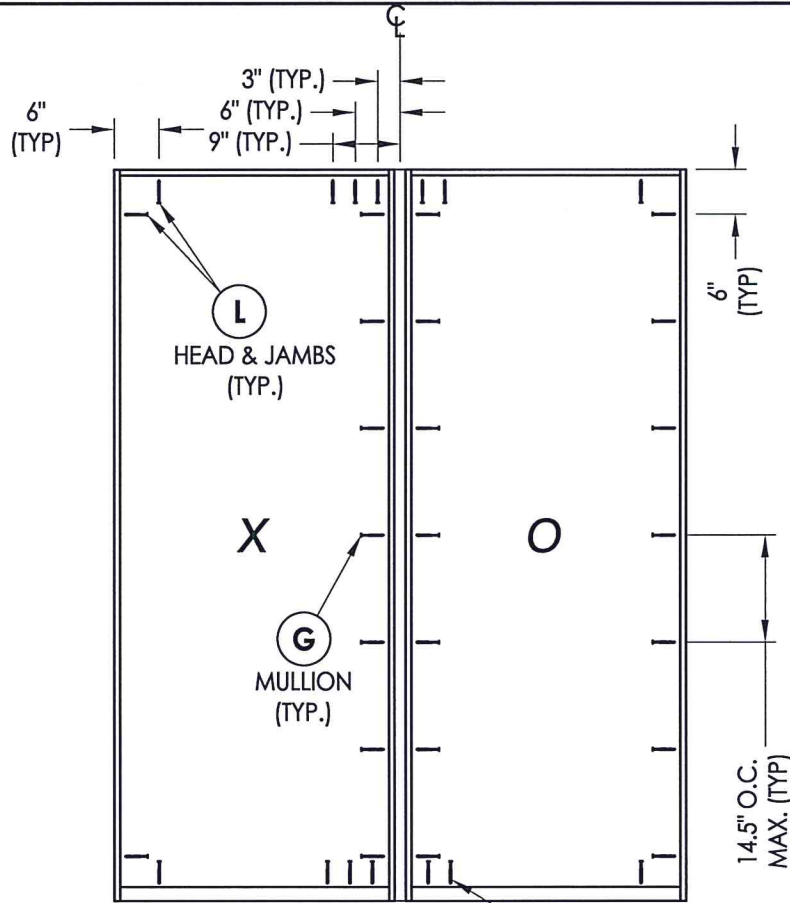
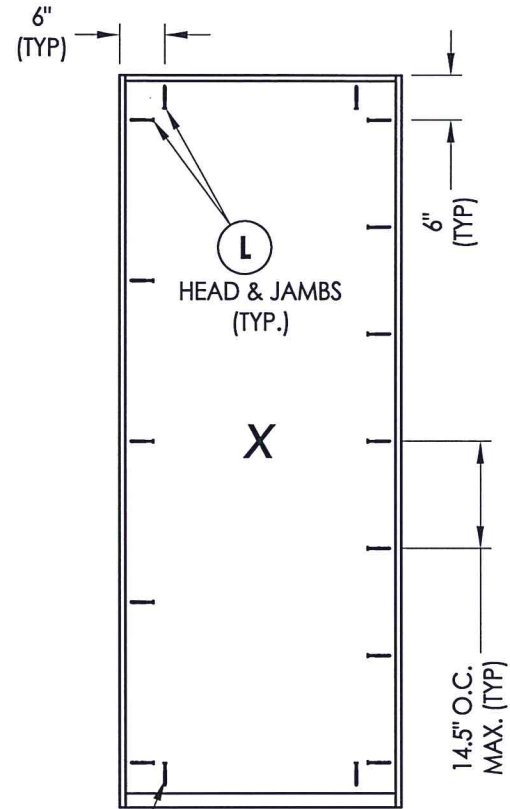
R.W. BUILDING CONSULTANTS, INC.  
P.O. Box 230 Valrico FL 33595  
Phone No.: 813.659.9197  
TEXAS BOARD OF PROFESSIONAL ENGINEERS  
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: TAYLOR DOOR  
STEEL DOOR

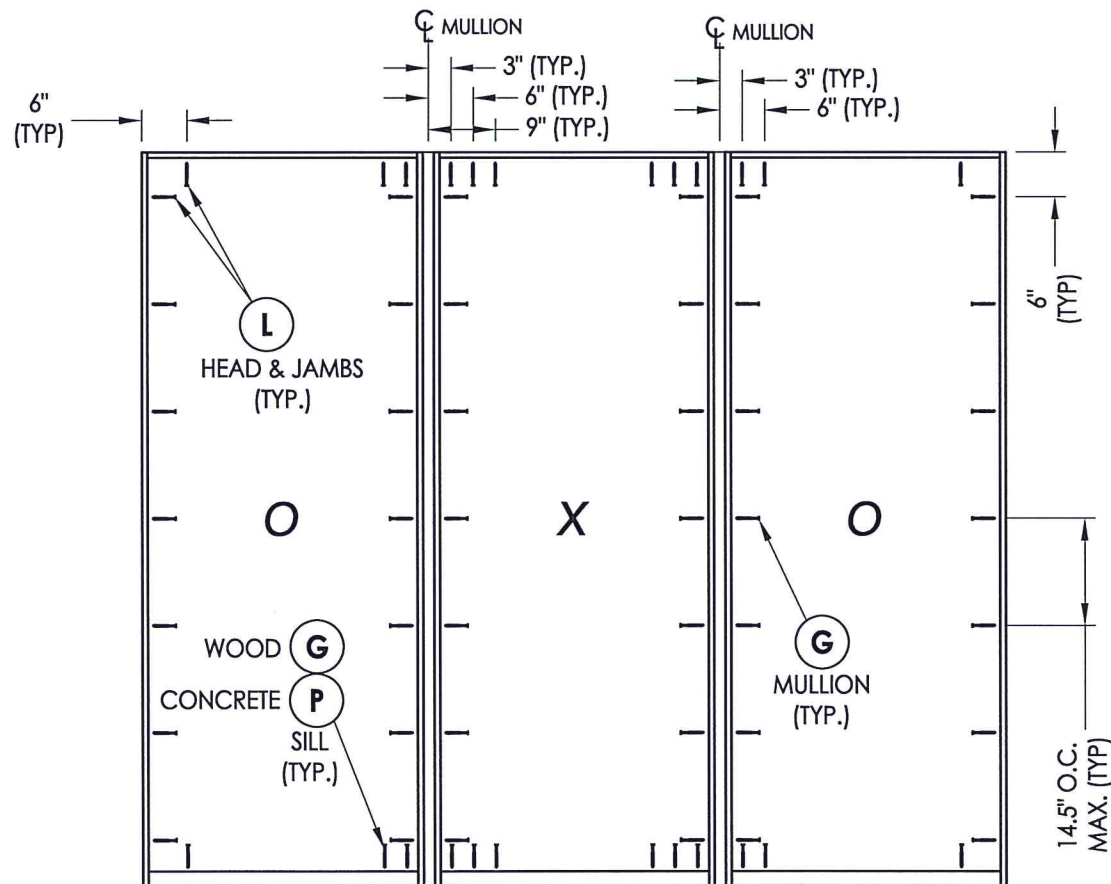
PART OR ASSEMBLY:  
HORIZONTAL CROSS  
SECTIONS

| NO. | DATE    | DESCRIPTION                 | LFS | BY |
|-----|---------|-----------------------------|-----|----|
| 1   | 8/19/20 | UPDATE TO 2018 IBC/IRC CODE |     |    |

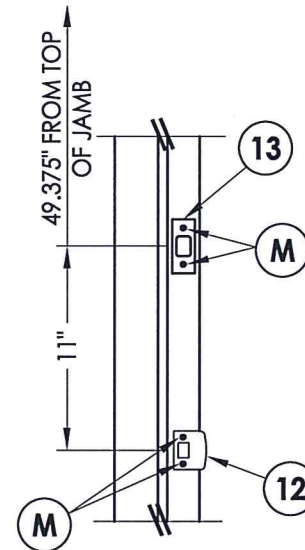
DATE: 11/3/14  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: TX-4506  
SHEET 5 OF 7



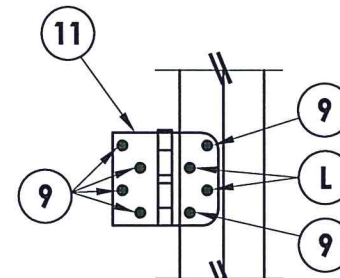
G WOOD  
P CONCRETE  
SILL (TYP.)



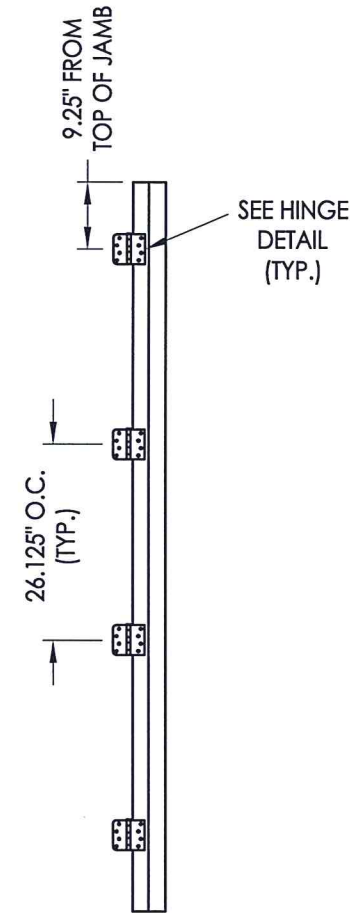
G WOOD  
P CONCRETE  
SILL (TYP.)



LATCH AND DEADBOLT DETAILS



HINGE DETAIL



HINGE JAMB



Documents Prepared By: Lyndon F. Schmidt, P.E.  
TEXAS P.E. #104123

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

TEXAS BOARD OF PROFESSIONAL ENGINEERS  
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: TAYLOR DOOR  
STEEL DOOR

PART OR ASSEMBLY:  
FRAME ANCHORING  
& HARDWARE DETAILS

| NO. | DATE    | DESCRIPTION                 | LFS | BY |
|-----|---------|-----------------------------|-----|----|
| 1   | 8/19/20 | UPDATE TO 2018 IBC/IRC CODE |     |    |

DATE: 11/3/14

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

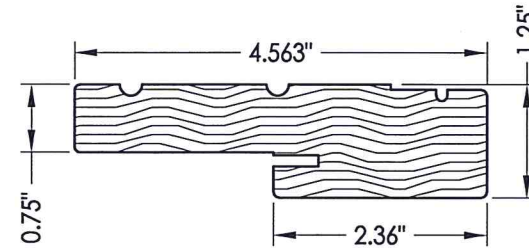
DRAWING NO.: TX-4506

SHEET 6 OF 7

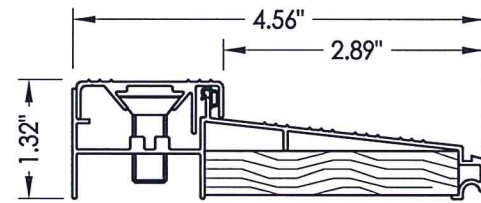
**FRAME ANCHORING**  
2X stud framing  
w/ wood/concrete substrate

**BILL OF MATERIALS**

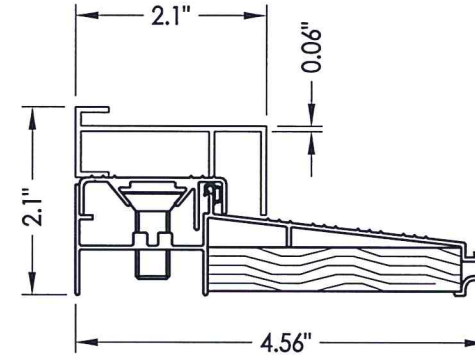
| ITEM # | DESCRIPTION                                   | MATERIAL  |
|--------|---|-----------|
| A      | 2X FRAMING (SG >= 0.42)                       | WOOD      |
| C      | 1/4" MAX. SHIM SPACE                          | -         |
| F      | #7 X 2" PFH DRYWALL SCREW                     | STEEL     |
| G      | #10 X 3" PFH WOOD SCREW (1-1/2" MIN. EMB.)    | STEEL     |
| J      | #10 X 2-1/2" PFH WOOD SCREW                   | STEEL     |
| K      | #6 X 3" PFH WOOD SCREW                        | STEEL     |
| L      | #10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMB.) | STEEL     |
| M      | #8 X 2-1/2" PFH SMS                           | STEEL     |
| P      | 1/4" PFH CONCRETE SCREW (1-3/4" MIN. EMB.)    | STEEL     |
| 1      | WOOD JAMB (FINGER-JOINT PINE)                 | WOOD      |
| 5      | 2X MULLION (SG >= 0.55)                       | WOOD      |
| 6      | SWEEP   | PVC       |
| 7      | WEATHERSTRIP                                  | FOAM      |
| 9      | #10 x 3/4" PFH WOOD SCREW                     | STEEL     |
| 11     | 4" X 4" HINGE                                 | STEEL     |
| 12     | LATCH STRIKE PLATE                            | STEEL     |
| 13     | DEADBOLT STRIKE PLATE                         | STEEL     |
| 20     | INSWING THRESHOLD                             | ALUM/WOOD |
| 21     | INSWING THRESHOLD w/ SIDELITE ADAPTER         | ALUM/WOOD |
| 22     | OUTSWING THRESHOLD                            | ALUM/WOOD |
| 23     | OUTSWING THRESHOLD                            | ALUM/WOOD |
| 24     | OUTSWING THRESHOLD                            | ALUM/WOOD |
| 25     | OUTSWING THRESHOLD                            | ALUM      |
| 40     | DOOR PANEL                                    | -         |
| 50     | SIDELITE PANEL                                | -         |



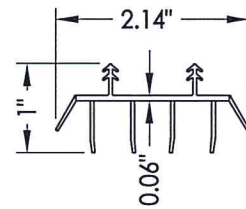
**1 WOOD JAMB**



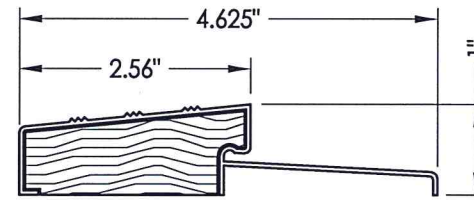
**20 INSWING THRESHOLD**  
DLP



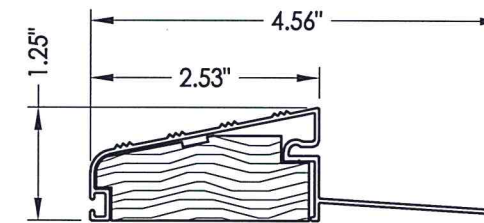
**21 INSWING THRESHOLD w/ SIDELITE ADAPTER**  
DLP



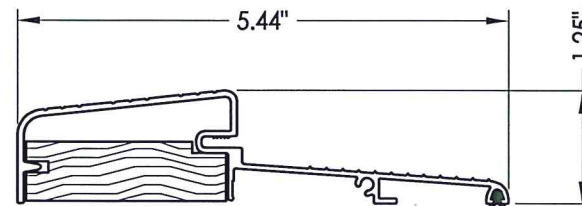
**6 SWEEP**



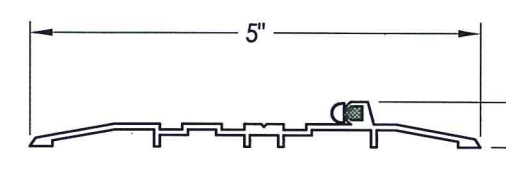
**22 OUTSWING THRESHOLD**  
DLP (QOS)



**23 OUTSWING THRESHOLD**  
DLP (QOSH)



**24 OUTSWING THRESHOLD**  
Combo

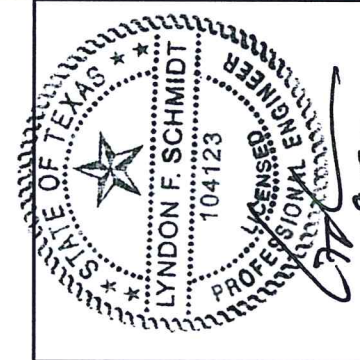


**25 OUTSWING THRESHOLD**  
DLP (OSHC)

**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"        | 1-3/4"         | 1-1/2"                         | 4"                                |
| DeWALT ULTRACON® | 1/4"        | 1-3/4"         | 1"                             | 4"                                |



Documents Prepared By: Lyndon F. Schmidt, P.E.  
TEXAS P.E. #104123

**RW** BUILDING CONSULTANTS, INC.  
P.O. Box 230 Valrico FL 33595  
Phone No.: 813.659.9197  
TEXAS BOARD OF PROFESSIONAL ENGINEERS  
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: TAYLOR DOOR STEEL DOOR  
PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS

| NO. | DATE    | REVISIONS                   |
|-----|---------|-----------------------------|
| 1   | 8/19/20 | UPDATE TO 2018 IBC/IRC CODE |
|     |         | LFS BY                      |

DATE: 11/3/14  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: TX-4506  
SHEET 7 OF 7