

Glazed Fiberglass Door

"NON-IMPACT"
INSWING / OUTSWING

Z:\Clients\Endura PERMANENT\B - Texas Dept of Ins\TDI - DR-608 Therma-Tru Flush Glazed\Drawings\TX-4218-19_22.dwg

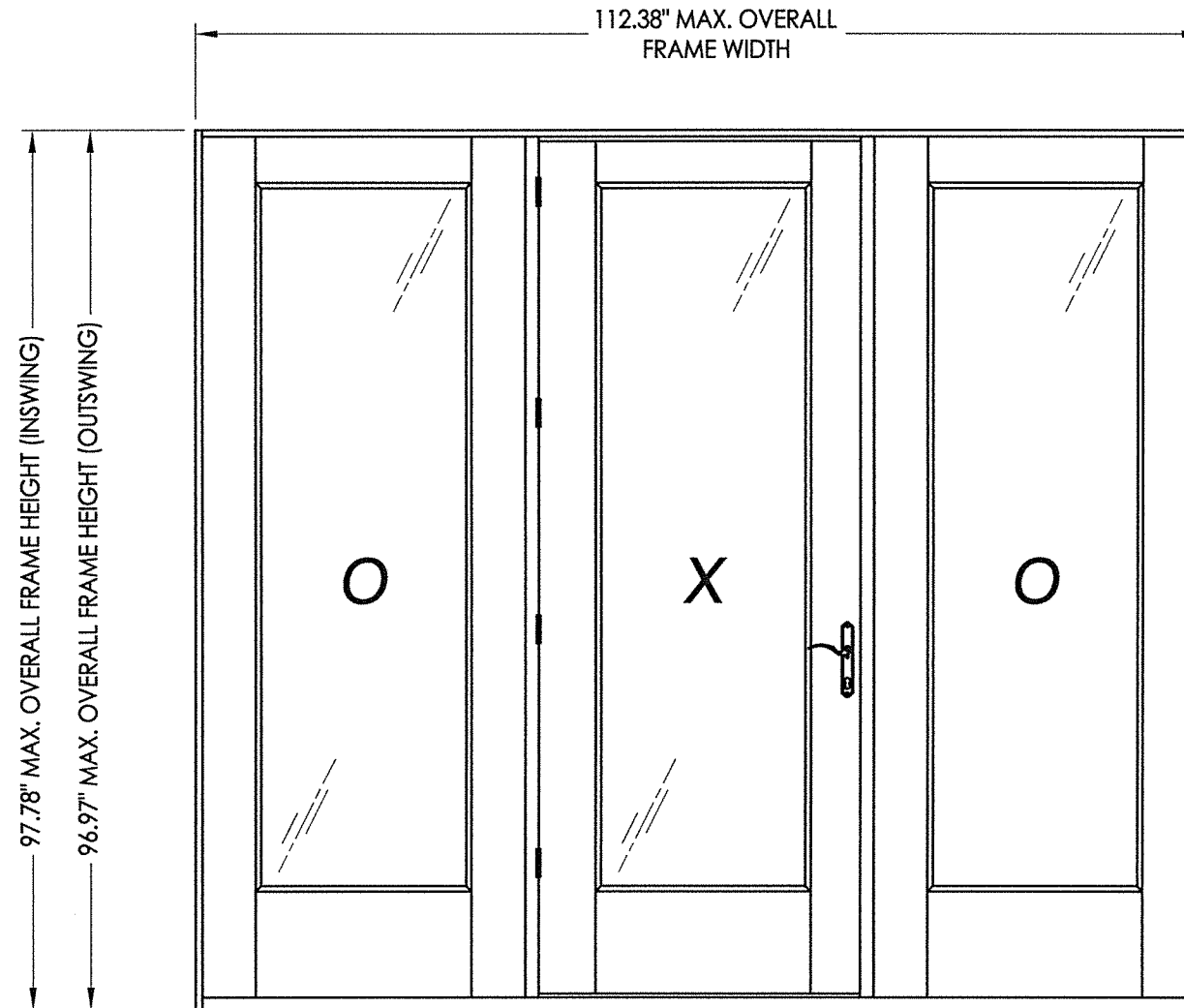
EVALUATED FOR USE IN THE STATE OF TEXAS

TDI DR-608

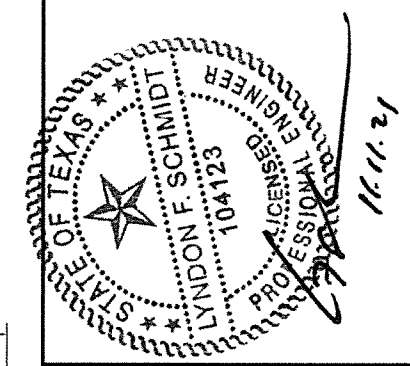
The Fiberglass Door system described herein complies with the 2018 International Residential Code (IRC), Sections R301 & R609 and the 2018 International Building Code (IBC), Sections 1404.13, 1609, 1709.5, 2403 and 2404 subject to the following conditions:

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. When used in areas requiring wind-borne debris protection this product is required to be protected with an impact resistant covering that complies with Section R301.2.1.2 of the IRC and Section 1609.1.2 of the IBC.
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.

| TABLE OF CONTENTS | |
|-------------------|---|
| SHEET# | DESCRIPTION |
| 1 | Typical elevations, design pressures & general notes |
| 2 | Lock details (Hoppe HLS 9000) |
| 3 | Door/Sidelite panel details (Fiber Classic - flush glazing) |
| 4 | Door/Sidelite panel details (Smooth Star - flush glazing) |
| 5 | Horizontal cross sections |
| 6 | Vertical cross sections |
| 7 | Vertical cross sections |
| 8 | Frame anchoring |



| CONFIG. | MODEL | DESIGN PRESSURE (PSF) INSWING | | DESIGN PRESSURE (PSF) OUTSWING | |
|---------|---------------|-------------------------------|----------|--------------------------------|----------|
| | | POSITIVE | NEGATIVE | POSITIVE | NEGATIVE |
| OXO | FIBER CLASSIC | +30.0 | -30.0 | +50.0 | -50.0 |
| | SMOOTH STAR | +30.0 | -30.0 | +35.0 | -35.0 |



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

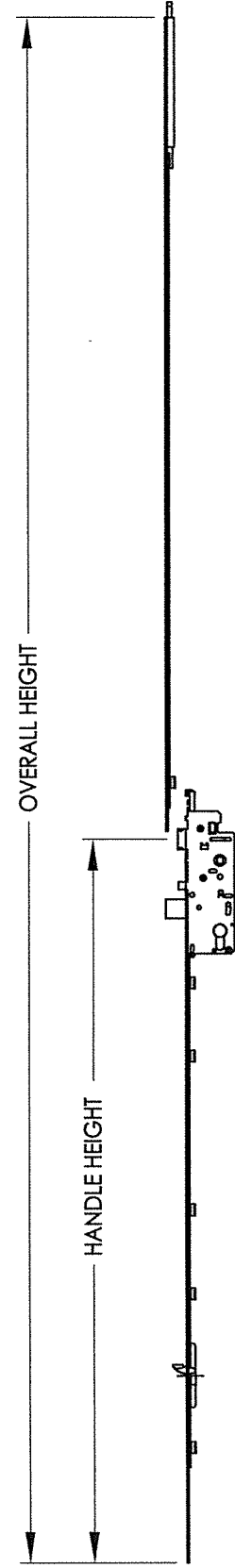
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

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

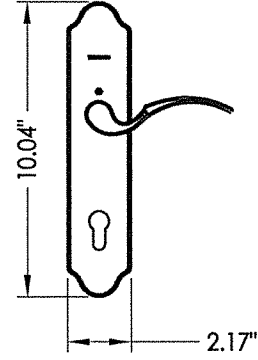
| NO. | DATE | BY | REVISIONS |
|-----|----------|-----|-----------------------------|
| 2 | 11/11/21 | LFS | UPDATE TO 2018 IBC/IRC CODE |
| 1 | 1/08/14 | LFS | ADDED ARTICULATING SILL |

DATE: 9/06/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4219
SHEET 1 OF 8

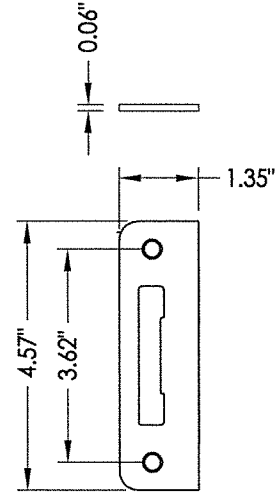
MANUAL TONGUE/SHOOTBOLT GEAR SYSTEM



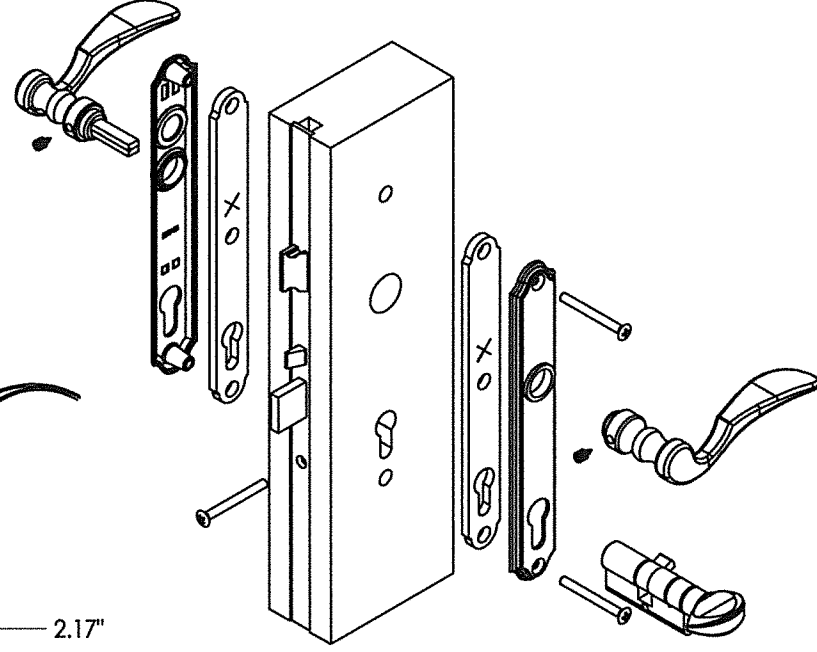
HOPPE MULTI-POINT LOCKSET



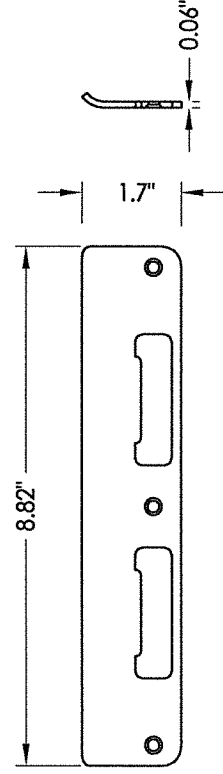
MULTI-POINT STRIKE PLATE



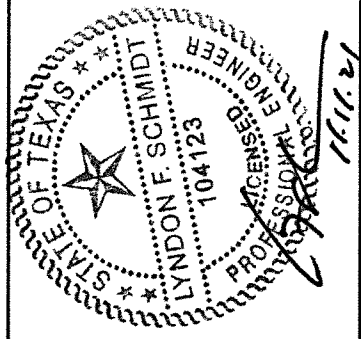
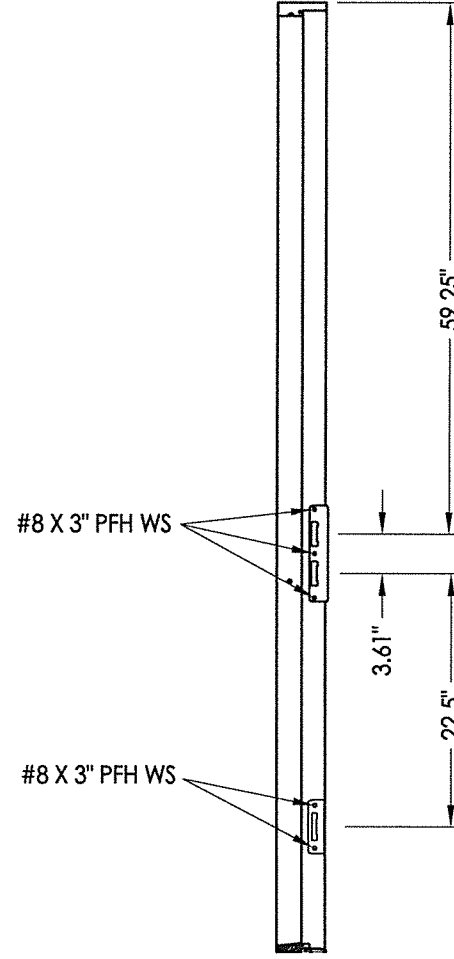
HOPPE MULTI-POINT LOCKSET
Manual Tongue/Shootbolt



LATCH & DEADBOLT STRIKE PLATE



STRIKE JAMB



| | |
|--------------|---------|
| DATE: | 9/06/12 |
| SCALE: | N.T.S. |
| DWG. BY: | JK |
| CHK. BY: | LFS |
| DRAWING NO.: | TX-4219 |
| SHEET | 2 OF 8 |

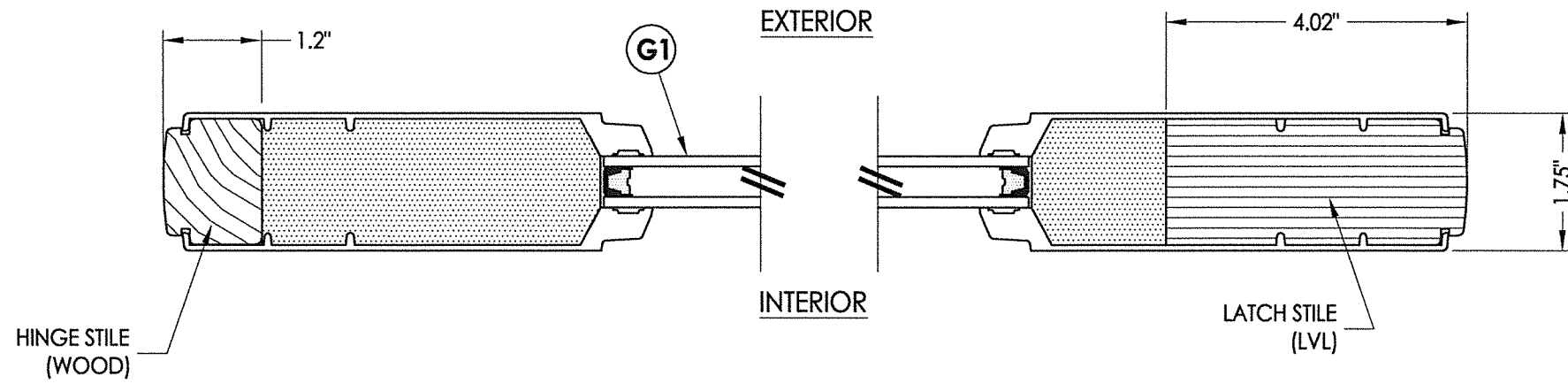
| | | |
|-------------------|----------------------------------|-----|
| PRODUCT: | ENDURA | |
| PART OR ASSEMBLY: | LOCK DETAILS (HOPPE HLS 9000) | |
| NO. | DATE | BY |
| 2 | 11/11/21 | LFS |
| 1 | 1/08/14 | LFS |
| REVISIONS | | |

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

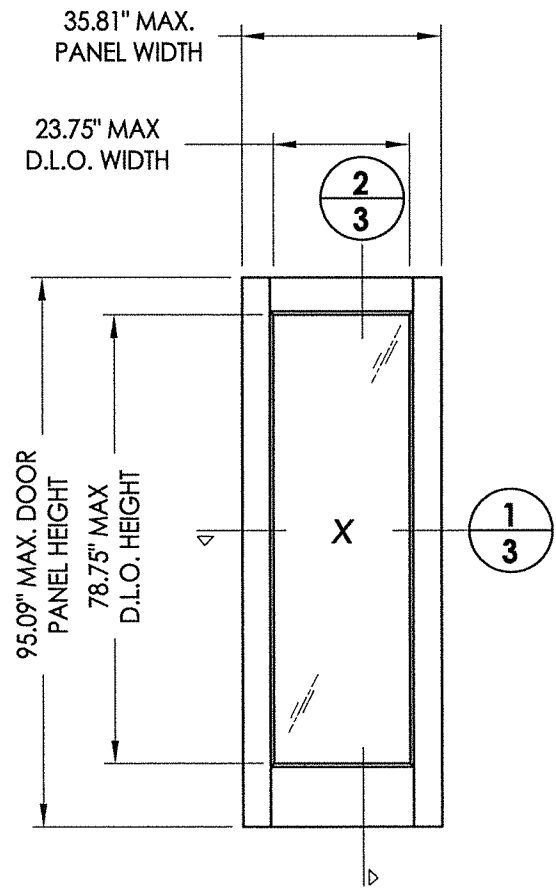
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197

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

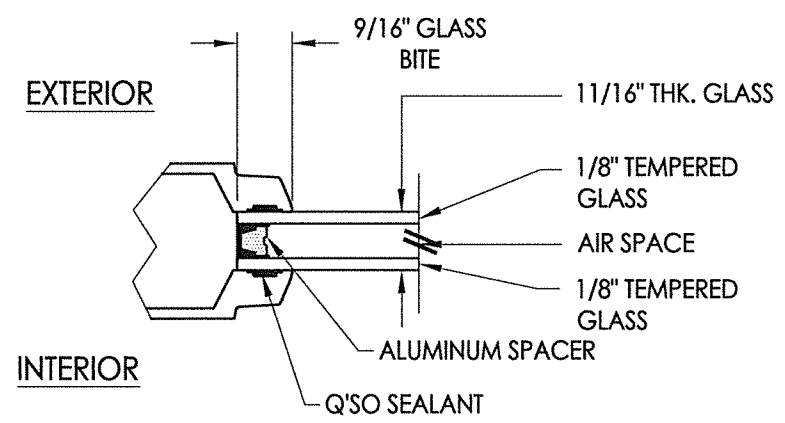
Z:\Clients\Endura PERMANENT\B - Texas Dept of Ins\TDI - DR-608 Therma-Tru Flush Glazed\Drawings\TX-4218-19_22.dwg



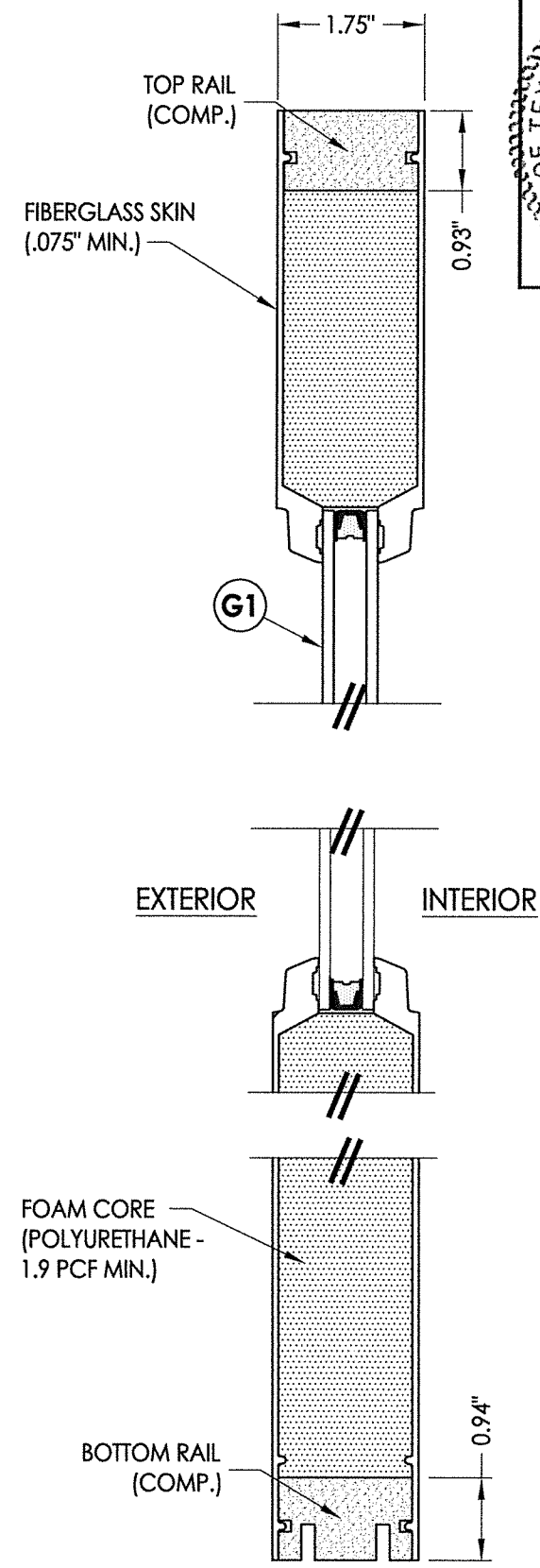
1
3 HORIZONTAL CROSS SECTION



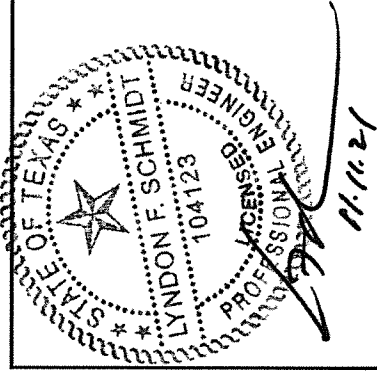
THERMA TRU - Fiber Classic Panel
Flush glazed
(fiberglass)



G1 GLAZING DETAIL



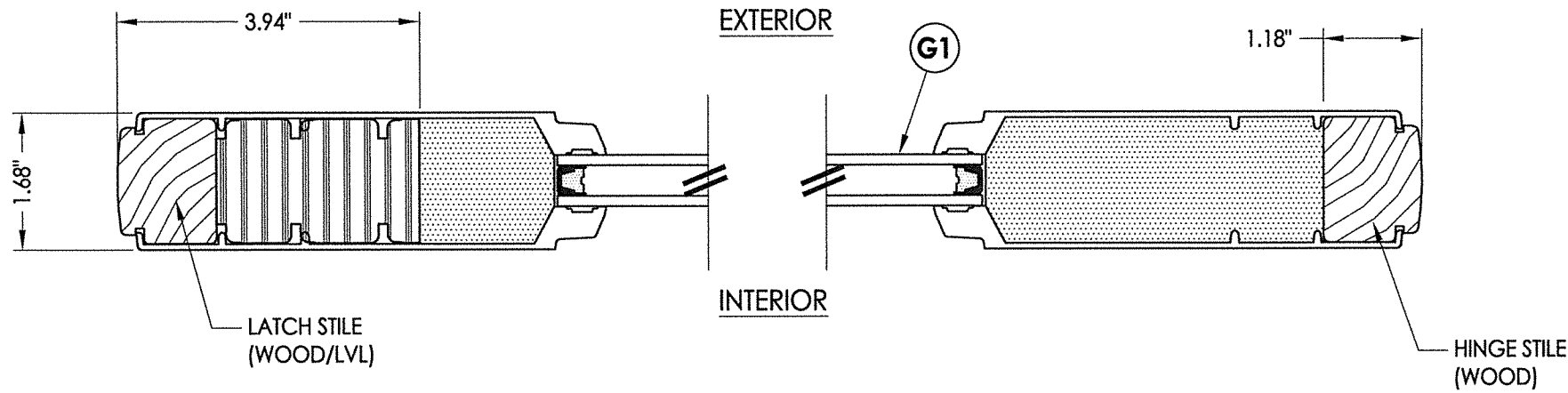
2
3 VERTICAL CROSS SECTION



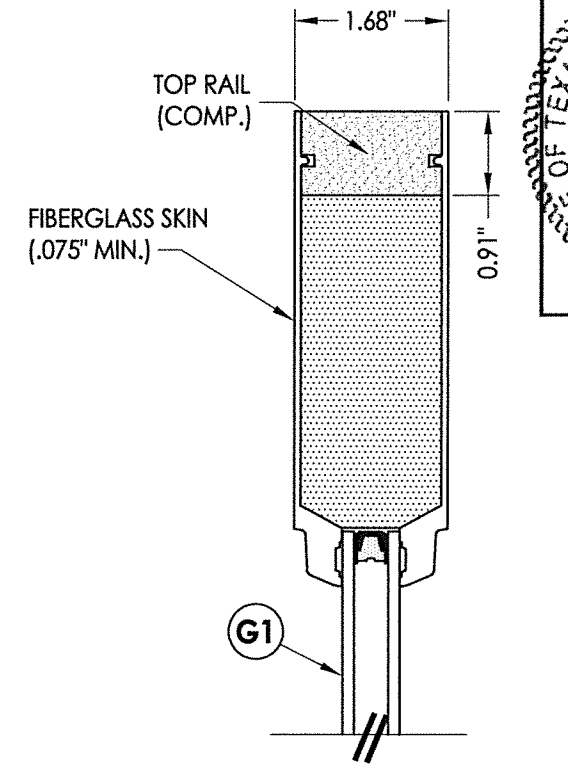
Documents Prepared By: Lyndon F. Schmidt, P.E.
TEXAS P.E. #104123

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

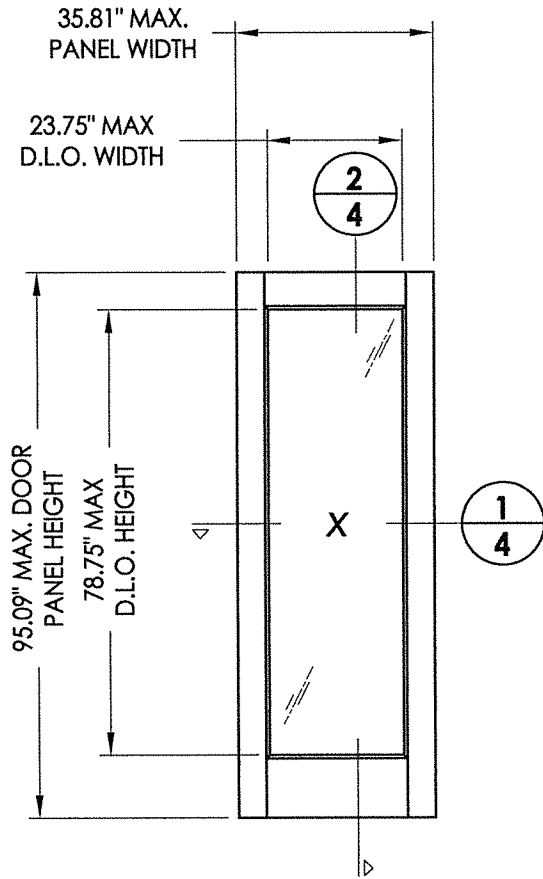
| | | |
|-------------------|---|-----|
| PRODUCT: | ENDURA | |
| PART OR ASSEMBLY: | DOOR/SIDELITE PANEL DETAILS (FIBER CLASSIC - FLUSH GLAZED) | |
| DATE: | 9/06/12 | |
| SCALE: | N.T.S. | |
| DWG. BY: | JK | |
| CHK. BY: | LFS | |
| DRAWING NO.: | TX-4219 | |
| SHEET | 3 OF 8 | |
| NO. | DATE | BY |
| 2 | 11/11/21 | LFS |
| 1 | 1/08/14 | LFS |
| REVISIONS | | |



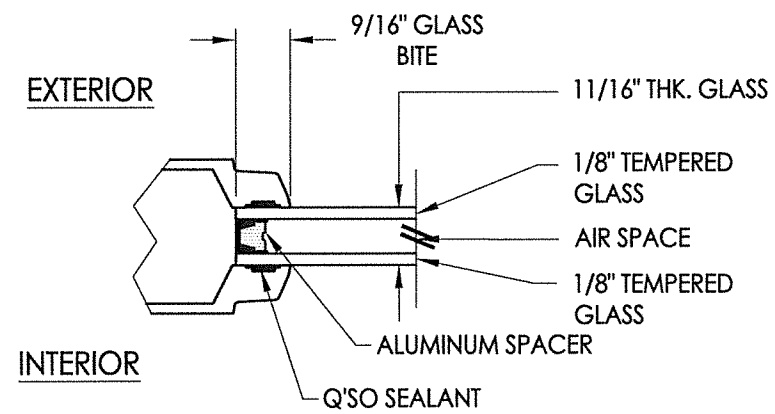
1
4 HORIZONTAL CROSS SECTION



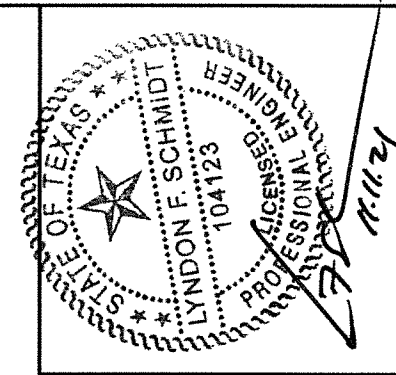
2
4 VERTICAL CROSS SECTION



THERMA TRU - Smooth Star Panel
Flush glazed
(fiberglass)



G1 GLAZING DETAIL



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

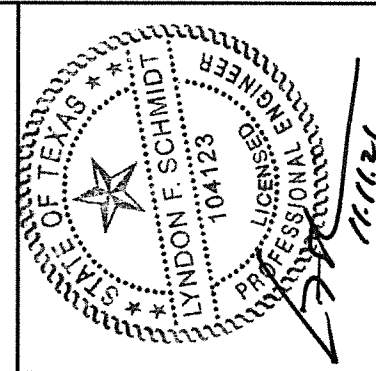
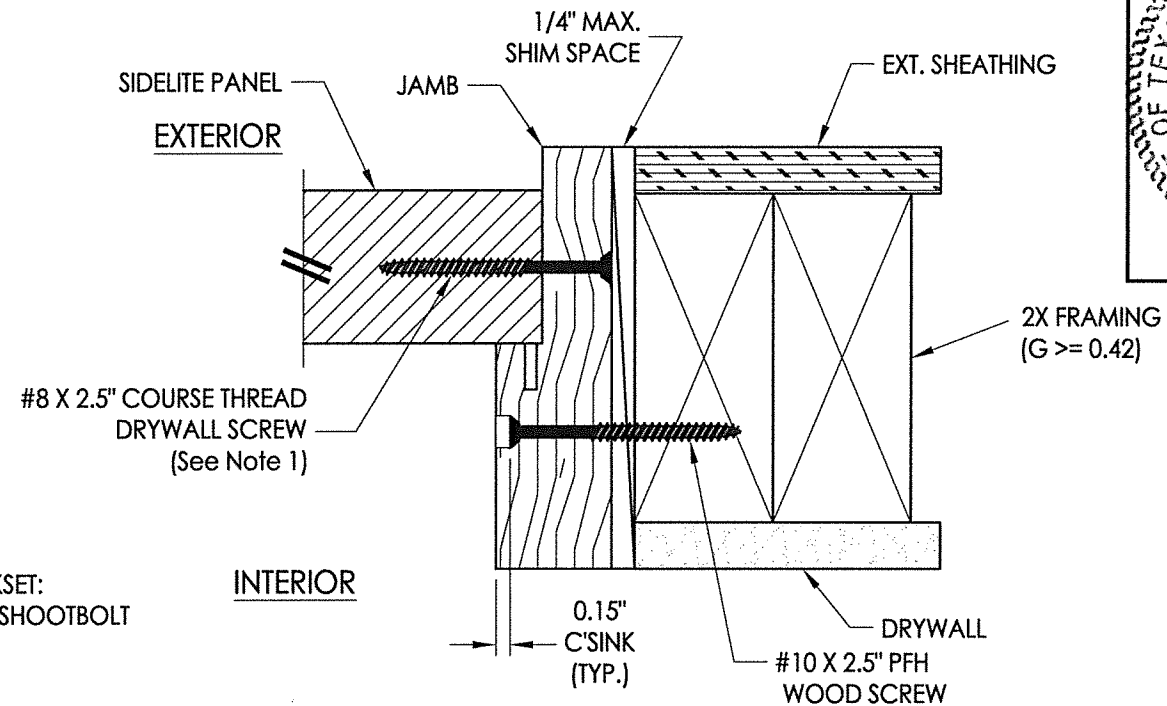
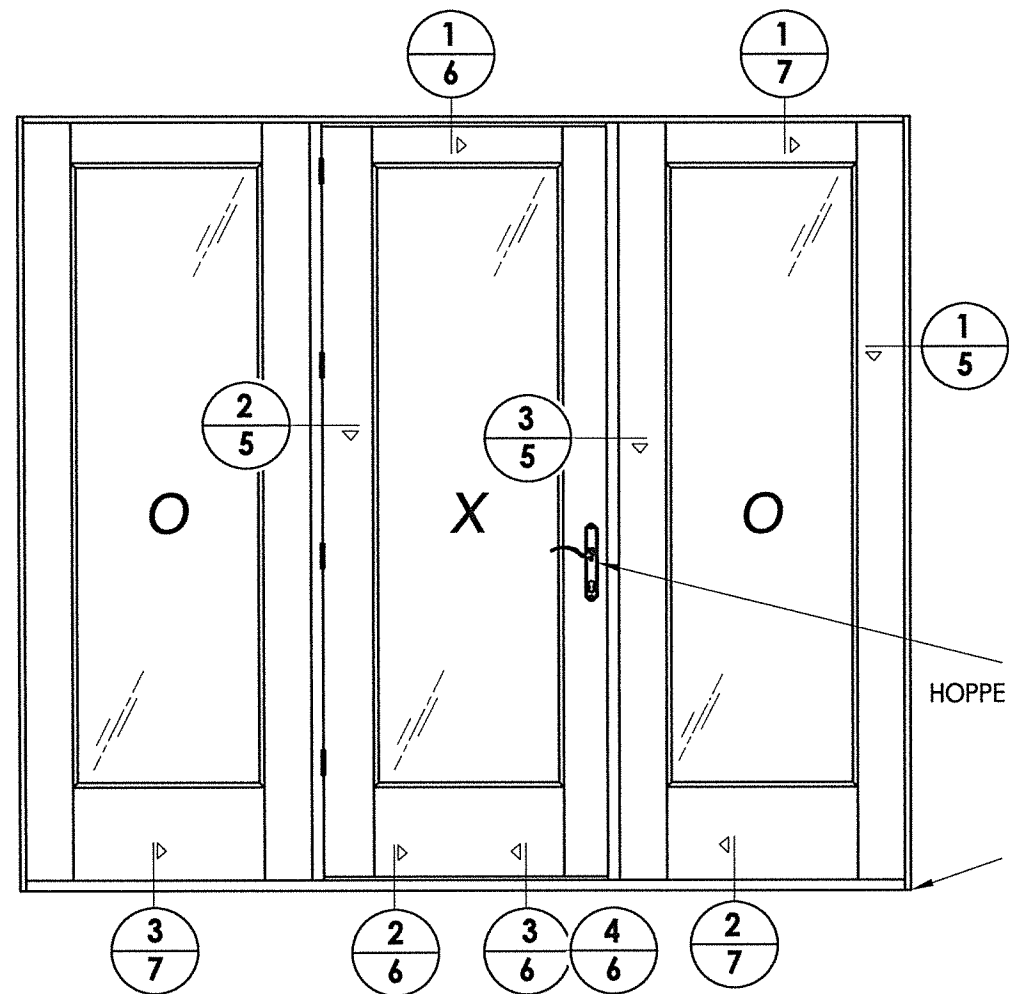
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Vairico FL 33595
Phone No.: 813.659.9197
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: ENDURA
PART OR ASSEMBLY:
DOOR/SIDELITE PANEL DETAILS
(SMOOTH STAR - FLUSH GLAZED)

| NO. | DATE | BY | REVISIONS |
|-----|----------|-----|-----------------------------|
| 2 | 11/11/21 | LFS | UPDATE TO 2018 IBC/IRC CODE |
| 1 | 1/08/14 | LFS | ADDED ARTICULATING SILL |

DATE: 9/06/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4219
SHEET 4 OF 8

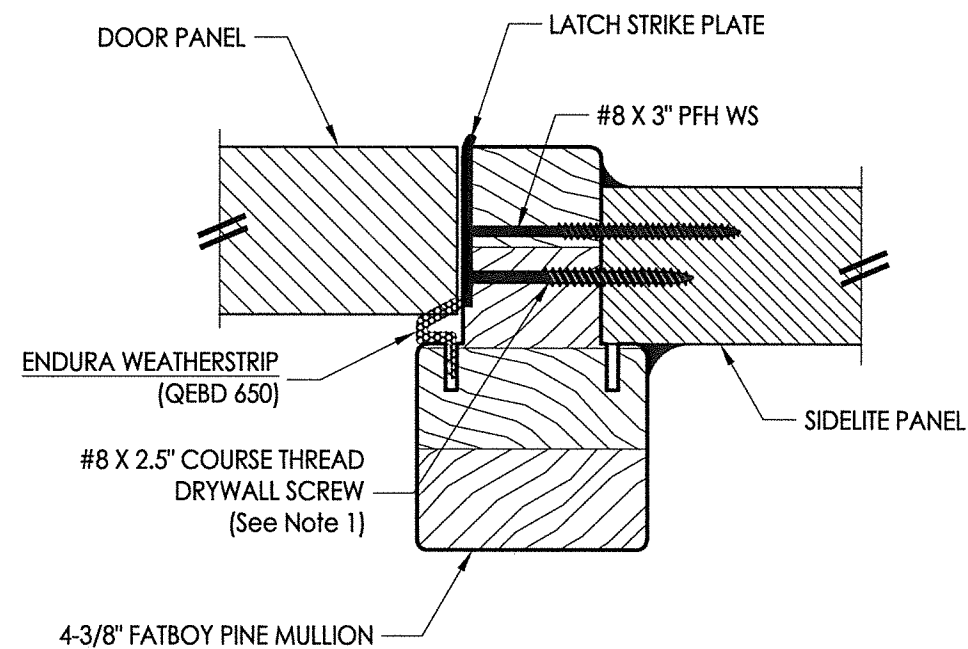
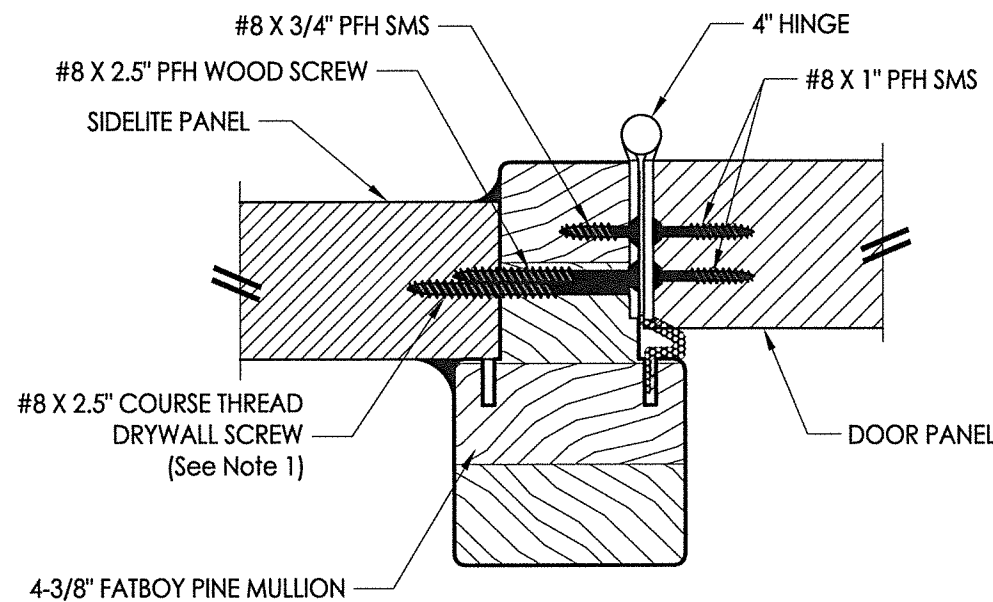
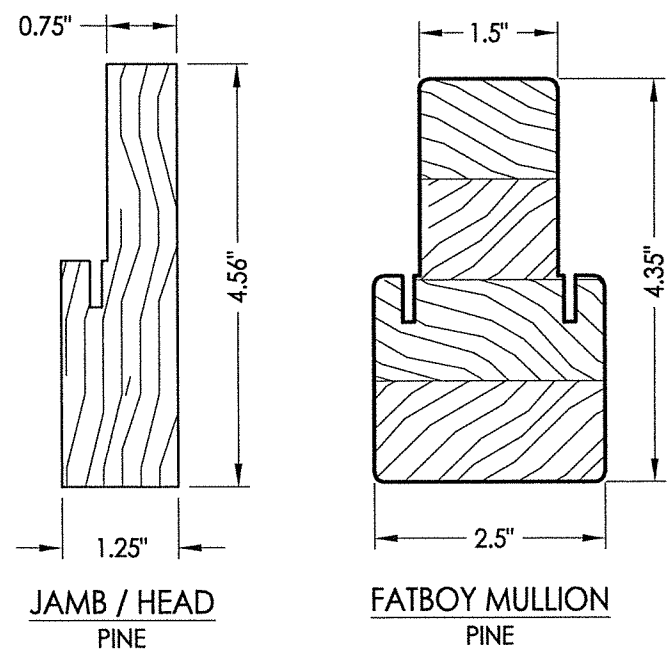
Z:\Clients\Endura PERMANENT\B - Texas Dept of Ins\TDI - DR-608 Therma-Tru Flush Glazed\Drawings\TX-4218-19_22.dwg



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



NOTE:
 1. Spacing for sidelite screws: 6.5", 35.5", 57.25" and 85" from head to sill (4 total).

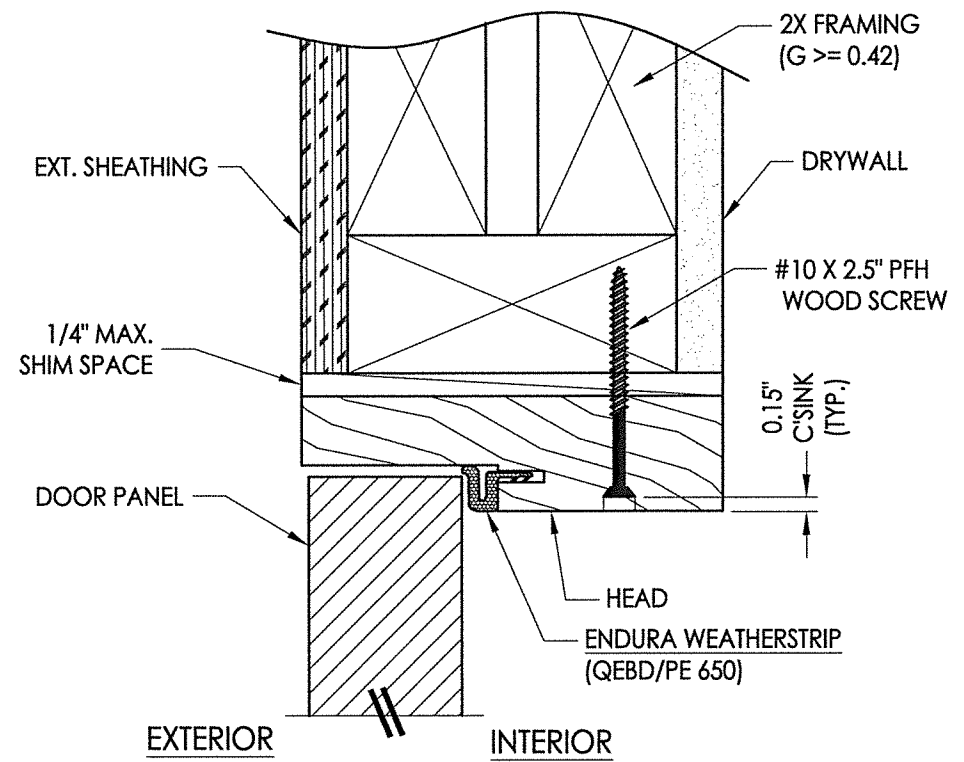
PRODUCT: ENDURA
 Steel DOOR
 PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS

| NO. | DATE | BY | REVISIONS |
|-----|----------|-----|-----------------------------|
| 2 | 11/11/21 | LFS | UPDATE TO 2018 IBC/IRC CODE |
| 1 | 1/08/14 | LFS | ADDED ARTICULATING SILL |

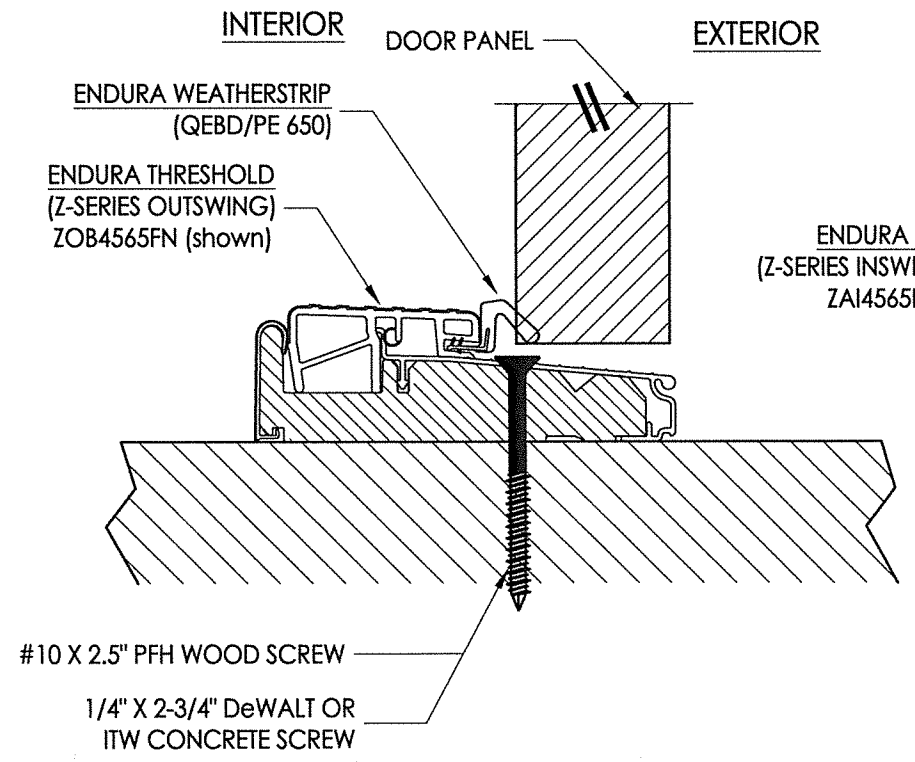
DATE: 9/06/12
 SCALE: N.T.S.
 DWG. BY: JK
 CHK. BY: LFS
 DRAWING NO.: TX-4219
 SHEET 5 OF 8

© 2012 R.W. BUILDING CONSULTANTS INC.

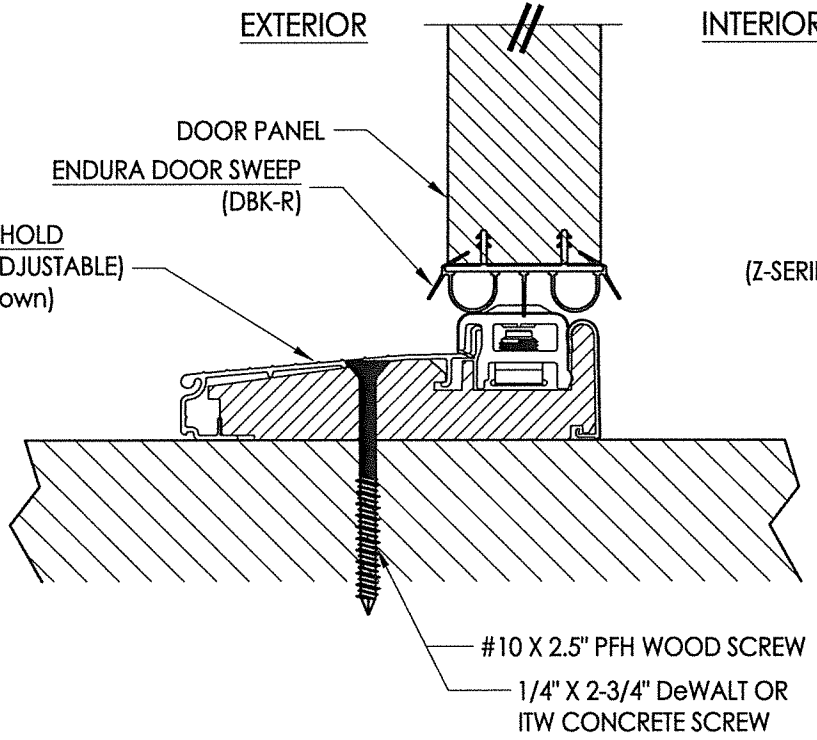
Z:\Clients\Endura PERMANENT\B - Texas Dept of Ins\TDI - DR-608 Therma-Tru Flush Glazed\Drawings\TX-4218-19-22.dwg



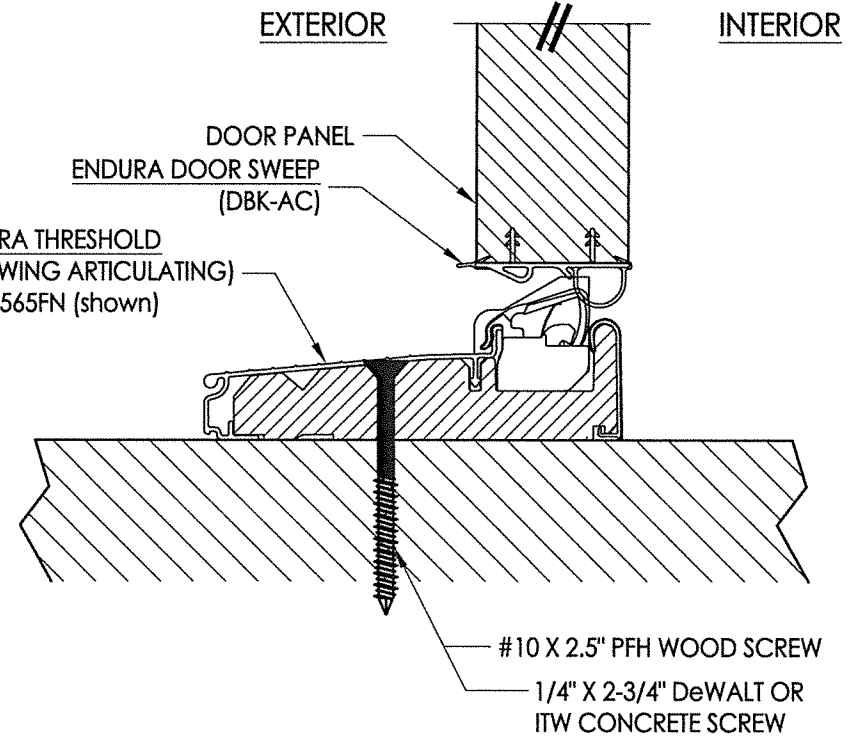
1 **VERTICAL CROSS SECTION**
6 Outswing shown - inswing also approved



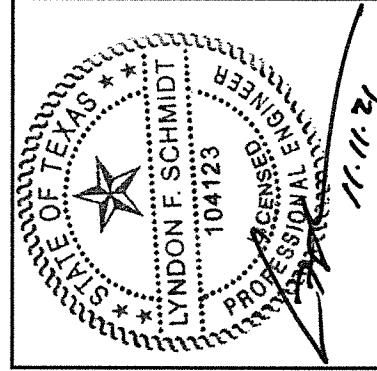
2 **VERTICAL CROSS SECTION**
6 Outswing shown



3 **VERTICAL CROSS SECTION**
6 Inswing configuration



4 **VERTICAL CROSS SECTION**
6 Inswing configuration



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

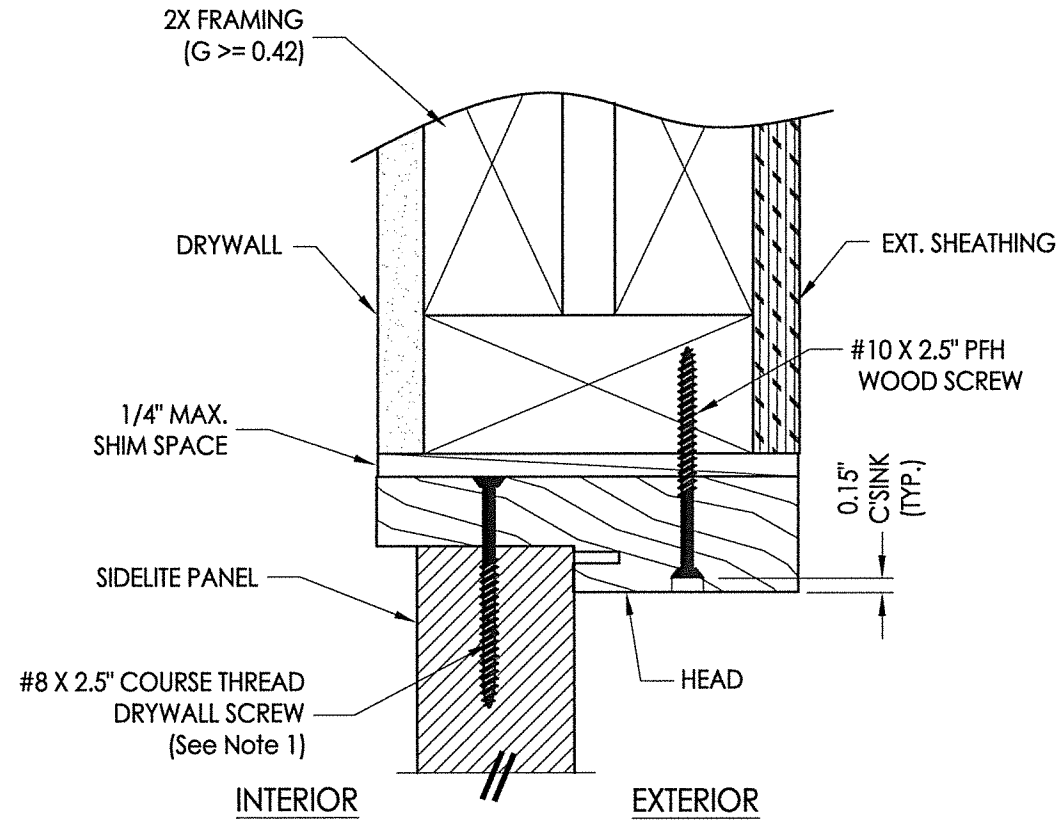
TEXAS BOARD OF PROFESSIONAL ENGINEERS
 CERTIFICATE OF REGISTRATION # F-11852

| | |
|-------------------|-------------------------|
| PRODUCT: | ENDURA |
| PART OR ASSEMBLY: | VERTICAL CROSS SECTIONS |
| DATE | 9/06/12 |
| SCALE | N.T.S. |
| DWG. BY: | JK |
| CHK. BY: | LFS |
| DRAWING NO.: | TX-4219 |
| SHEET | 6 OF 8 |

| NO. | DATE | BY | REVISIONS |
|-----|----------|-----|-----------------------------|
| 2 | 11/11/21 | LFS | UPDATE TO 2018 IBC/IRC CODE |
| 1 | 1/08/14 | LFS | ADDED ARTICULATING SILL |

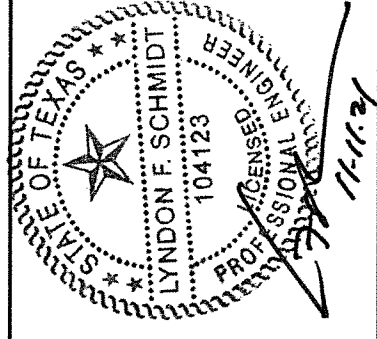
© 2012 R.W. BUILDING CONSULTANTS INC.

Z:\Clients\Endura PERMANENT\B - Texas Dept of Ins\TDI - DR-608 Therma-Tru Flush Glazed\Drawings\TX-4218-19_22.dwg



1
7 **VERTICAL CROSS SECTION**
Inswing shown - Outswing also approved

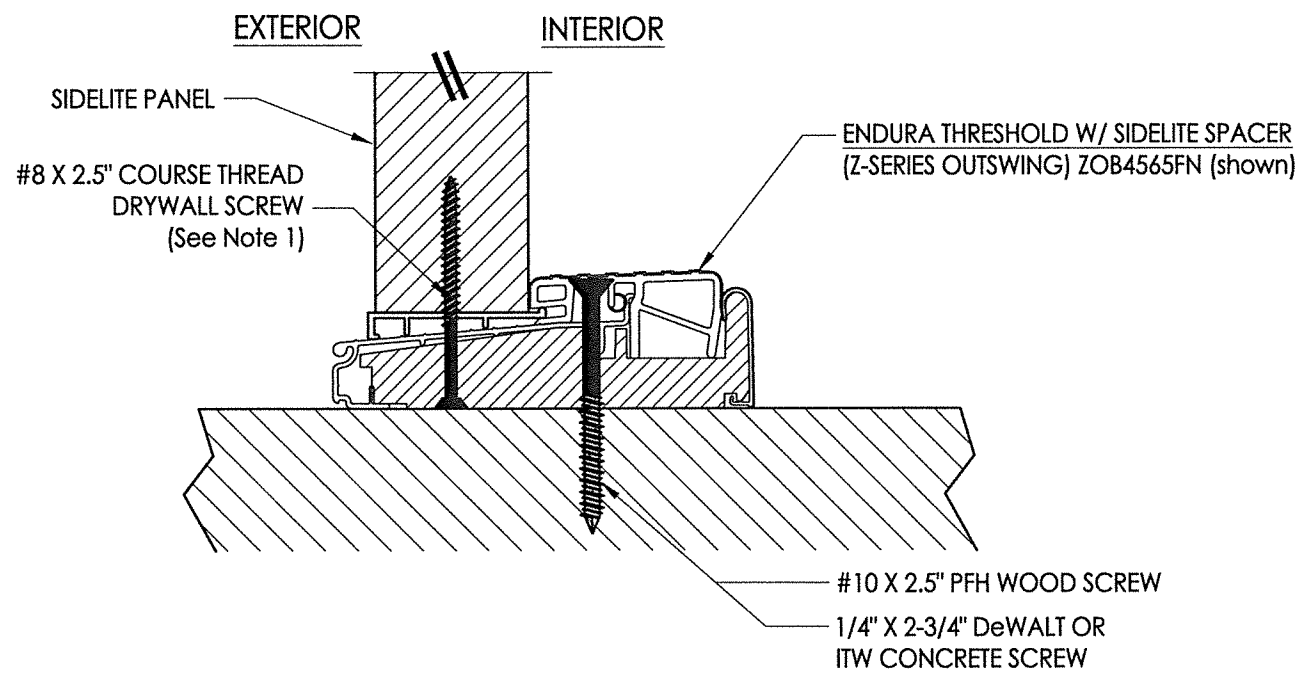
NOTE:
1. Spacing for sidelite screws:
6" from each end (2 total).



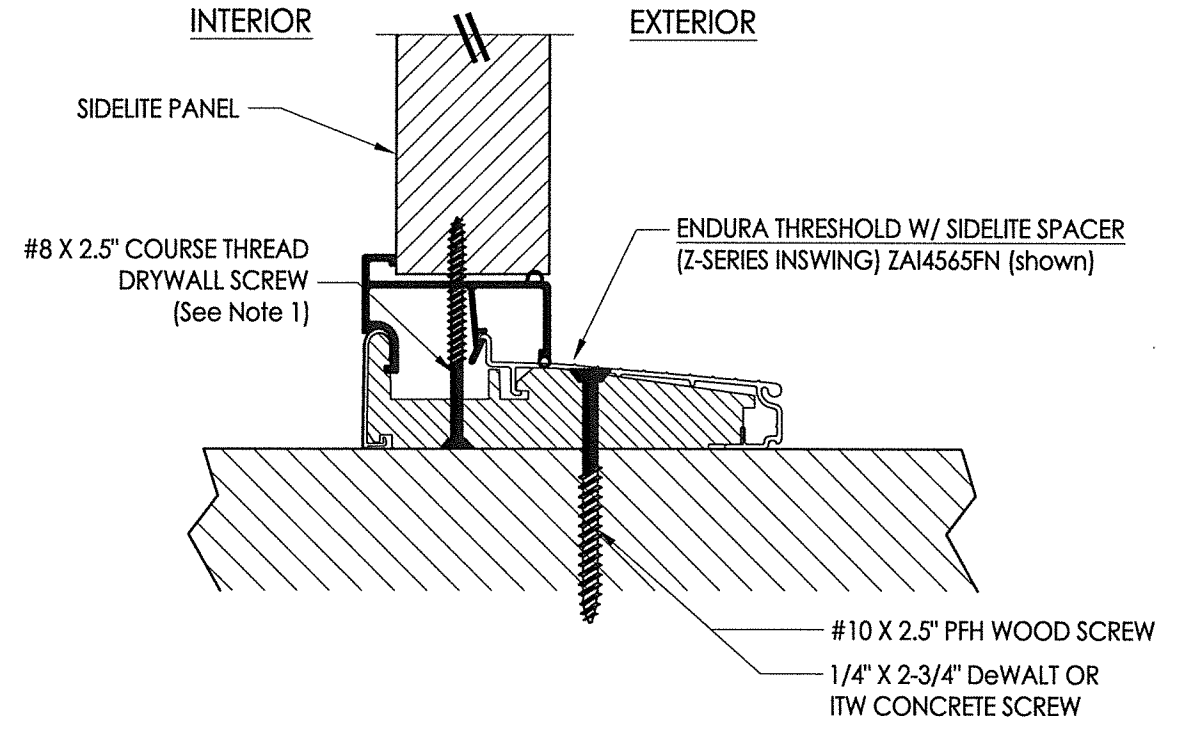
Documents Prepared By: Lyndon F. Schmidt, P.E.
TEXAS P.E. #104123

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

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

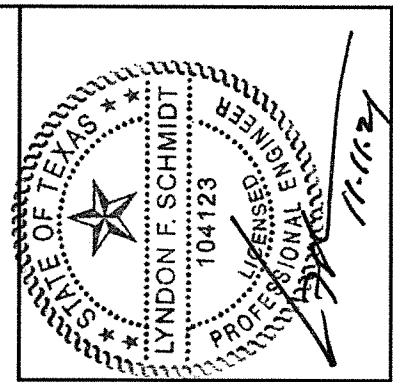


2
7 **VERTICAL CROSS SECTION**
Outswing configuration



3
7 **VERTICAL CROSS SECTION**
Inswing configuration

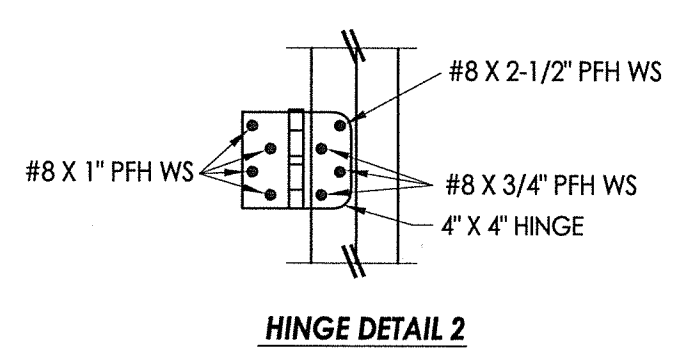
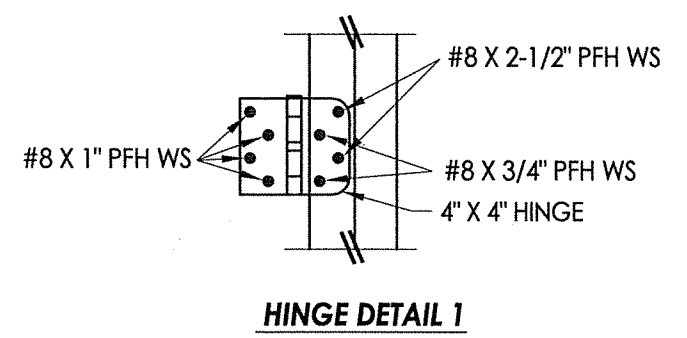
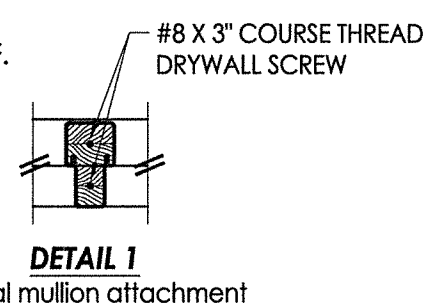
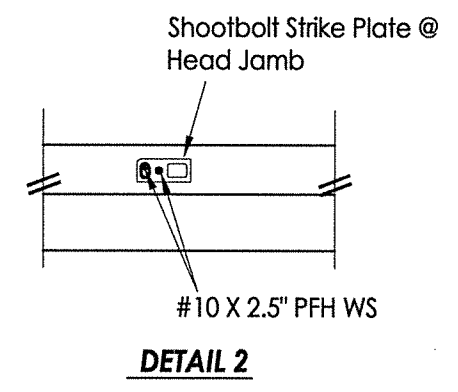
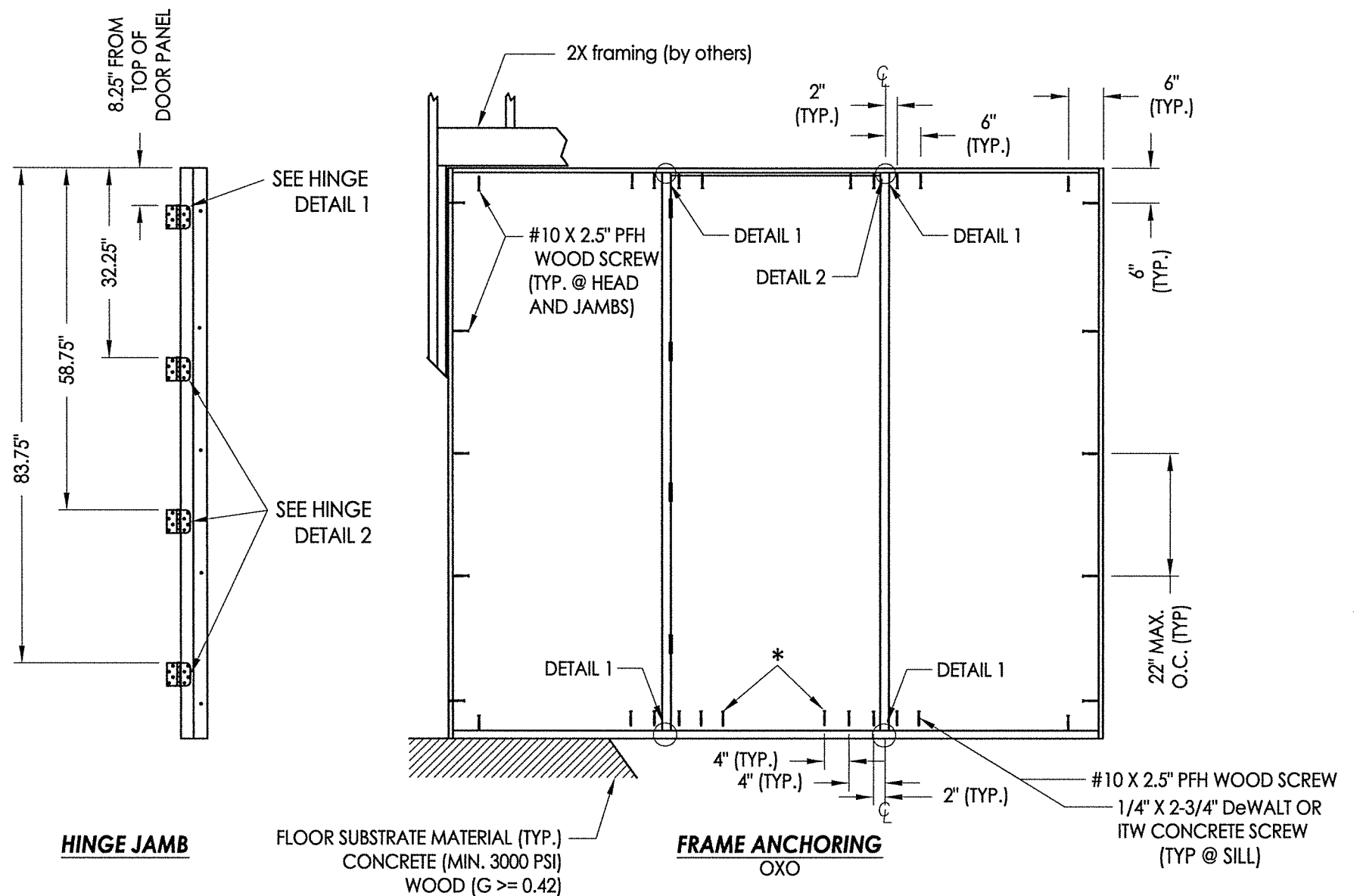
| | | |
|-----------------------------|------------|------|
| PRODUCT: | ENDURA | |
| PART OR ASSEMBLY: | Steel Door | |
| REVISIONS | | |
| NO. | DATE | BY |
| 2 | 11/11/21 | LFS |
| 1 | 1/08/14 | LFS |
| UPDATE TO 2018 IBC/IRC CODE | | |
| ADDED ARTICULATING SILL | | |
| DATE: | 9/06/12 | |
| SCALE: | N.T.S. | |
| DWG. BY: | JK | |
| CHK. BY: | LFS | |
| DRAWING NO.: | TX-4219 | |
| SHEET | 7 | OF 8 |



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



* NOTE: This anchor required for D.P. > 40 PSF.

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

| | | |
|-------------------|-----------------|-----------------------------|
| PRODUCT: | ENDURA | |
| PART OR ASSEMBLY: | FRAME ANCHORING | |
| NO. | DATE | REVISIONS |
| 2 | 11/11/21 | UPDATE TO 2018 IBC/IRC CODE |
| 1 | 1/08/14 | ADDED ARTICULATING SILL |
| | | LFS |
| | | BY |

| | |
|--------------|---------|
| DATE: | 9/06/12 |
| SCALE: | N.T.S. |
| DWG. BY: | JK |
| CHK. BY: | LFS |
| DRAWING NO.: | TX-4219 |
| SHEET | 8 OF 8 |