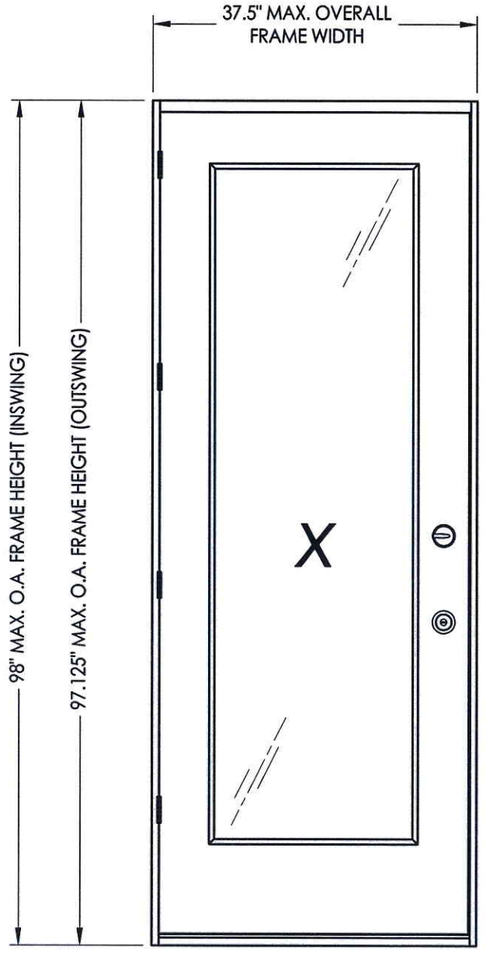
Endura PRODUCTS, INC.
8811 West Market Street
Colfax, N.C. 27235

Glazed Fiberglass Door

"NON-IMPACT"

INSWING / OUTSWING



EVALUATED FOR USE IN THE STATE OF TEXAS

The Glazed Fiberglass Door system described herein complies with the 2006 International Residential Code (IRC), Sections R301 & R613 and the 2006 International Building Code (IBC), Sections 1405.12, 1609, 1714.5, 2403 and 2404 (including Texas revisions) 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	Door panel details (flush glazing)
3	Door panel details (lip lite insert glazing)
4	Horizontal cross sections
5	Vertical cross sections
6	Frame anchoring

CONFIG.	GLAZING	MODEL	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
X	LIP LITE INSERT	INSWING	+35.0	-35.0
X	LIP LITE INSERT	OUTSWING	+35.0	-40.0
X	FLUSH GLAZED	INSWING	+35.0	-35.0
X	FLUSH GLAZED	OUTSWING	+40.0	-45.0

STATE OF TEXAS · LYNDON F. SCHMIDT · 104123 · LICENSED PROFESSIONAL ENGINEER
12-10-13

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

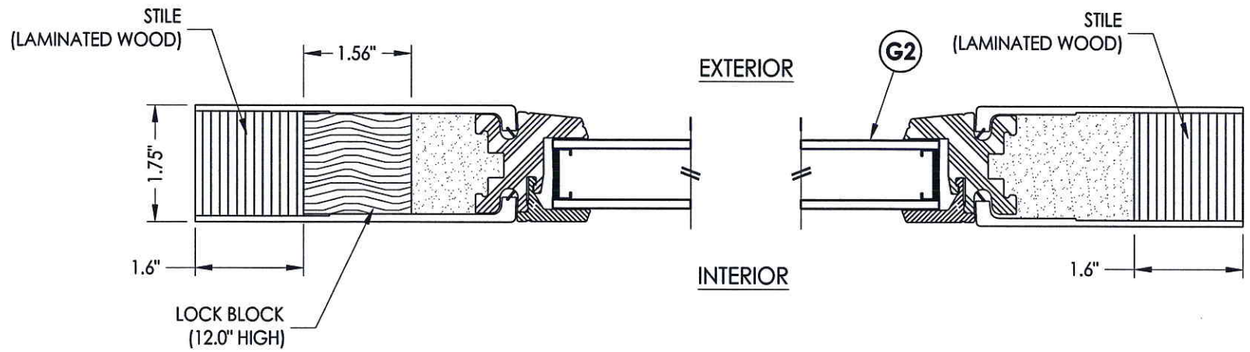
PRODUCT: ENDURA
PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

NO.	DATE	BY	REVISIONS

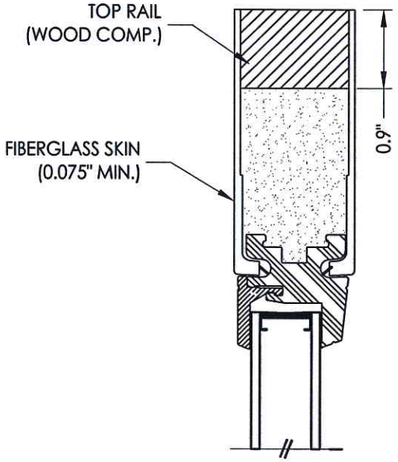
DATE: 12/5/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4418
SHEET 1 OF 6

© 2013 R.W. BUILDING CONSULTANTS INC.

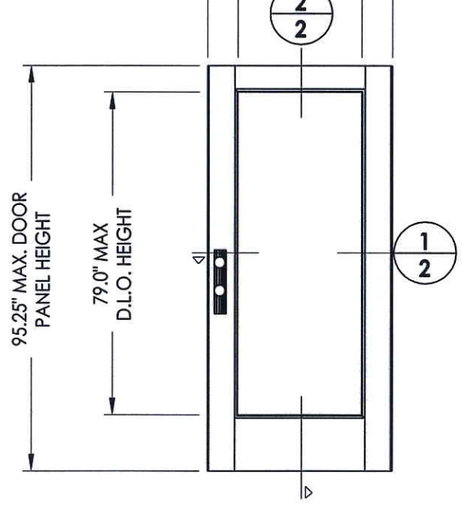
R:\A - Projects\Project Folders\Proj 1601 - 1700\PF 1675\D. RWBC Drawings\TX-4417-18.dwg, TX-4418



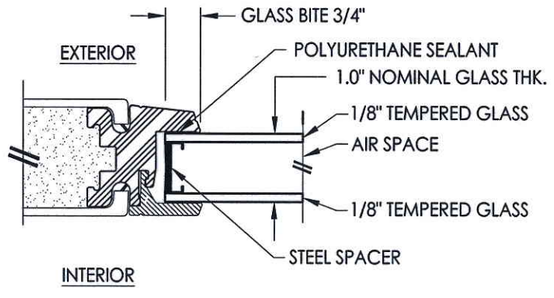
1/2 **HORIZONTAL CROSS SECTION**



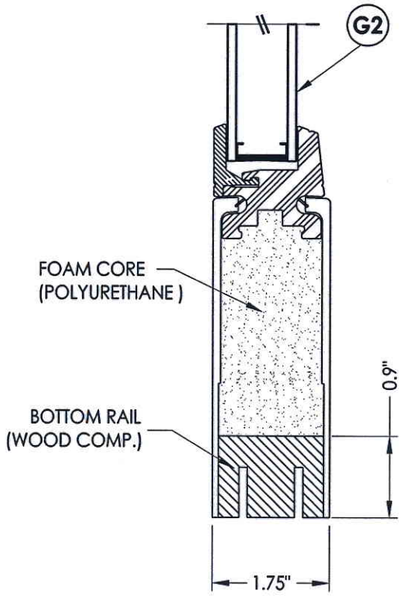
INTERIOR EXTERIOR



MASONITE
Flush glazed
(fiberglass)



G2 **GLAZING DETAIL**
Flush Glazing



2/2 **VERTICAL CROSS SECTION**

STATE OF TEXAS
LYNDON F. SCHMIDT
104123
LICENSED
PROFESSIONAL ENGINEER
12.10.13

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

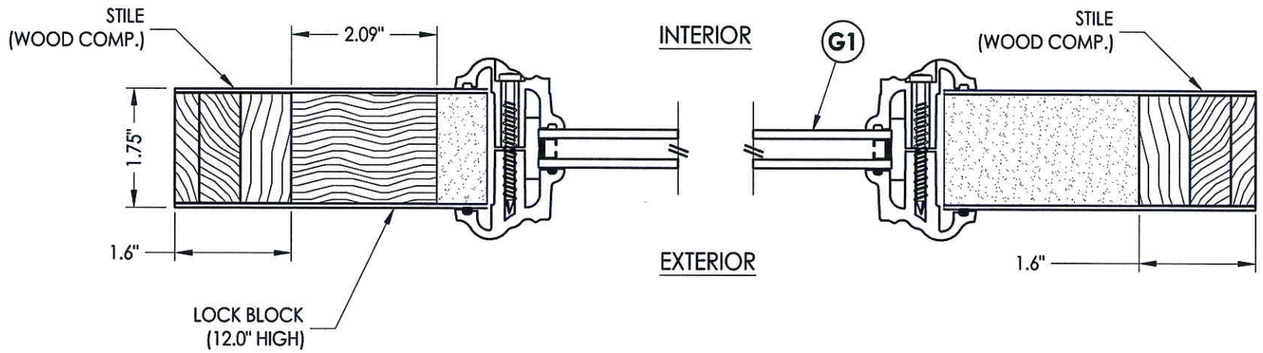
PART OR ASSEMBLY: DOOR PANEL DETAILS (FLUSH GLAZING)

NO.	DATE	BY	REVISIONS

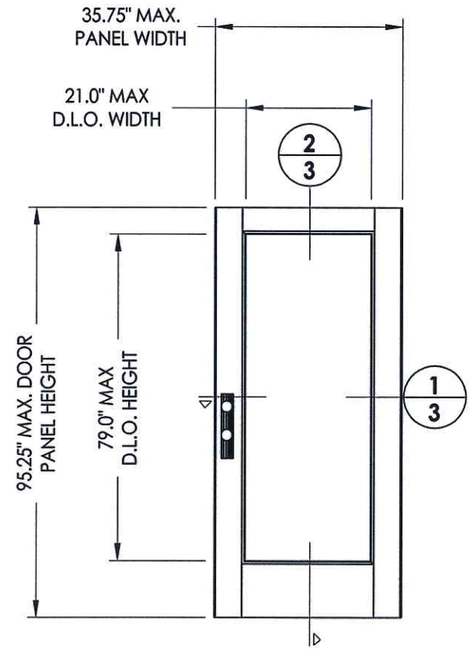
DATE: 12/5/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4418
SHEET 2 OF 6

© 2013 R.W. BUILDING CONSULTANTS INC.

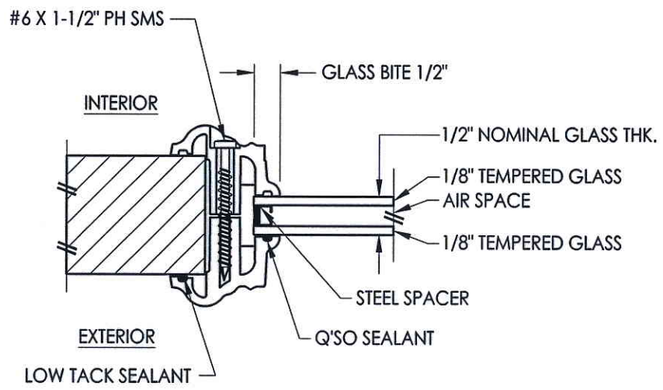
R:\A - Projects\Project Folders\Proj 1601 - 1700\PF 1675\D. RWBC Drawings\TX-4417-18.dwg, 2.8



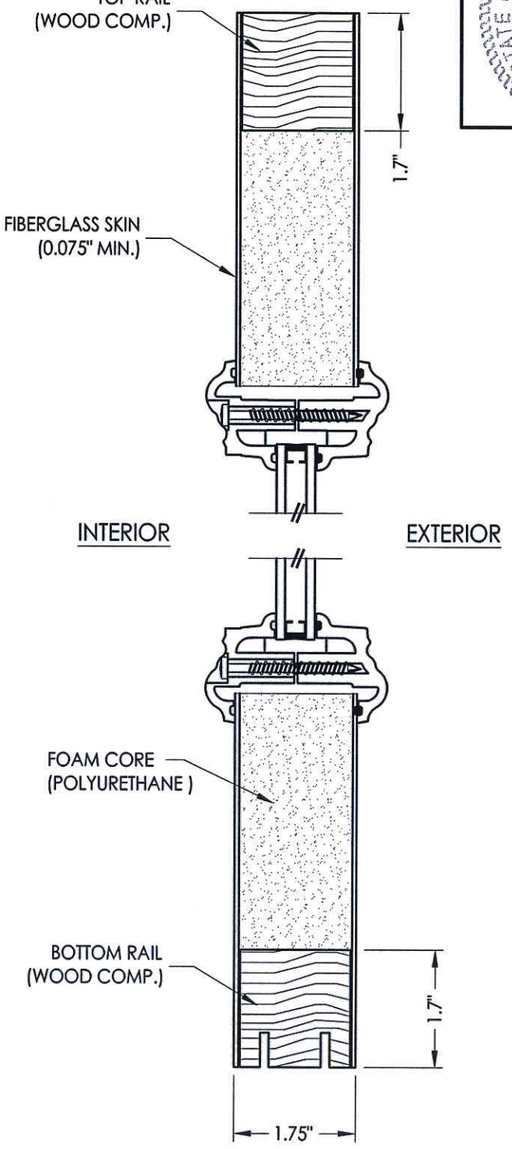
1/3 **HORIZONTAL CROSS SECTION**



MASONITE
Insert glazed
(fiberglass)



G1 **GLAZING DETAIL**
Lip Lite Insert Glazing



2/3 **VERTICAL CROSS SECTION**

STATE OF TEXAS · LYNDON F. SCHMIDT · 104123 · LICENSED PROFESSIONAL ENGINEER

12-10-13

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

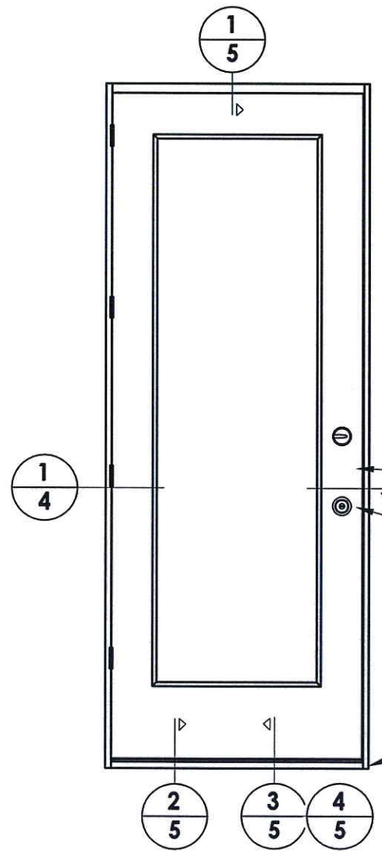
PART OR ASSEMBLY: DOOR PANEL DETAILS (LIP LITE INSERT GLAZING)

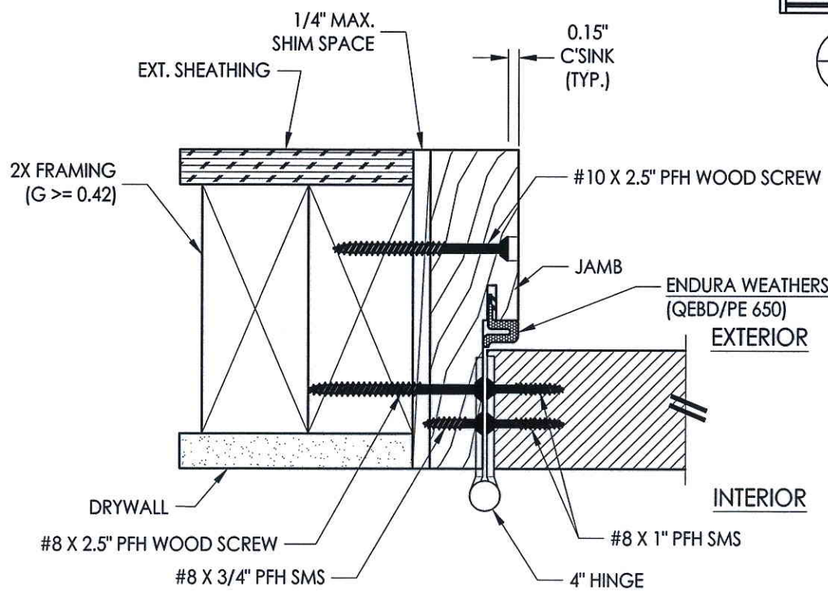
NO.	DATE	BY
	REVISIONS	

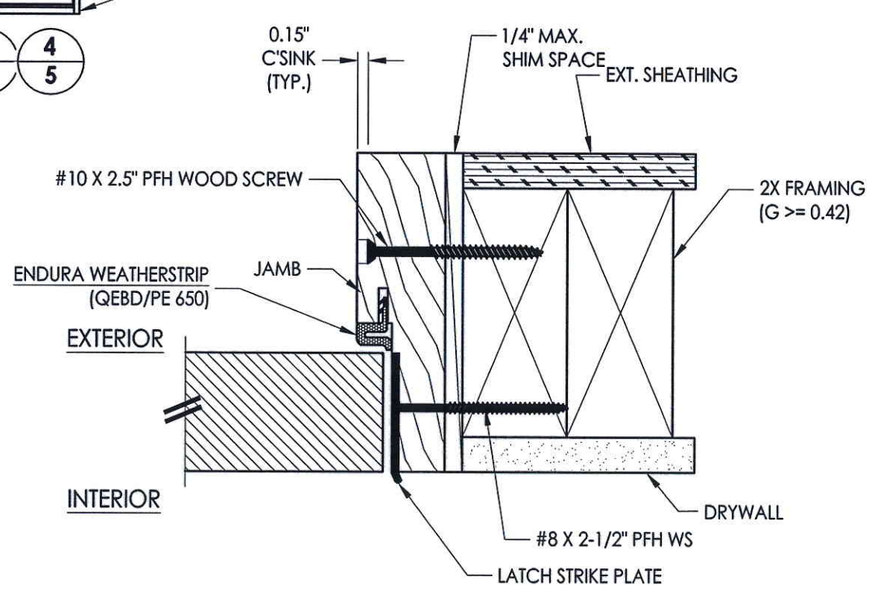
DATE: 12/5/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4418
SHEET 3 OF 6

© 2013 R.W. BUILDING CONSULTANTS INC.

R:\A - Projects\Project Folders\Proj 1601 - 1700\PF 1675\D. RWBC Drawings\TX-4417-18.dwg, 3.8







1/4 HORIZONTAL CROSS SECTION
Inswing shown - Outswing also approved

STATE OF TEXAS
LYNDON F. SCHMIDT
104123
LICENSED PROFESSIONAL ENGINEER
12-10-13

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*

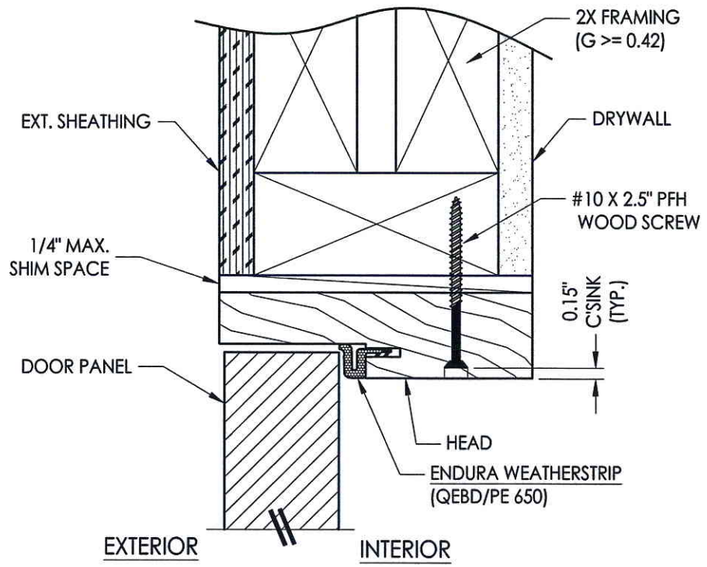
PART OR ASSEMBLY: *HORIZONTAL CROSS SECTIONS*

NO.	DATE	REVISIONS	BY

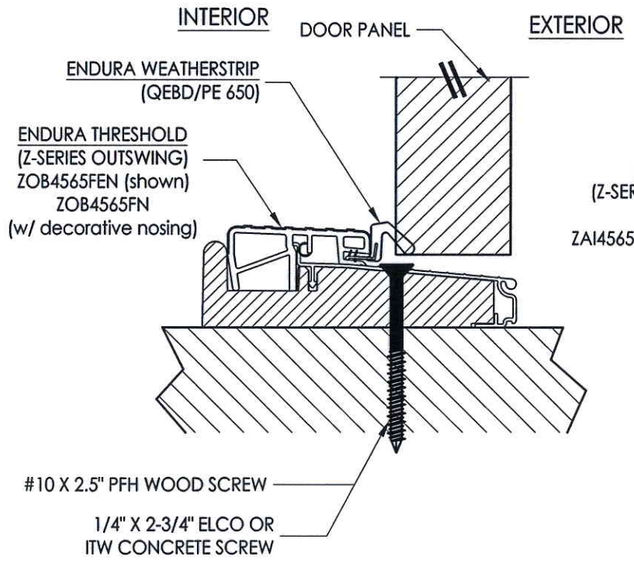
DATE: 12/5/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4418
SHEET 4 OF 6

© 2013 R.W. BUILDING CONSULTANTS INC.

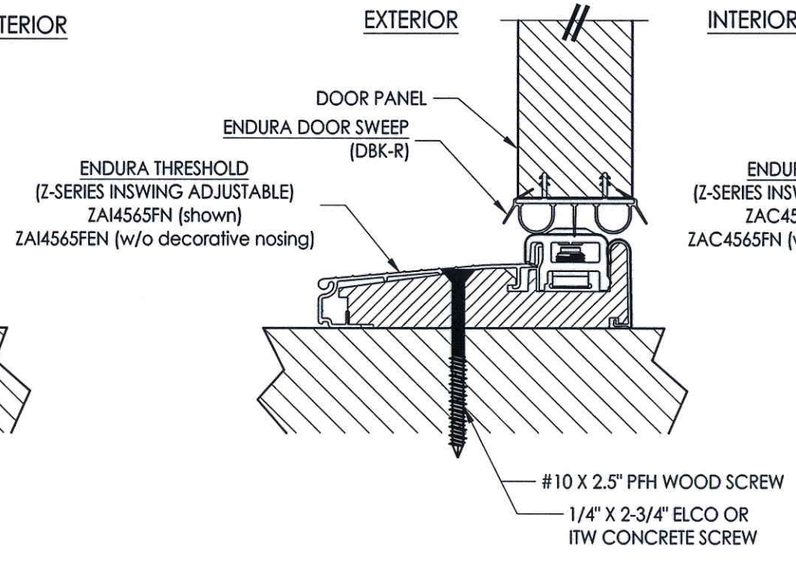
R:\A - Projects\Project Folders\Proj 1601 - 1700\PF 1675\D. RWBC Drawings\TX-4417-18.dwg, 4.8



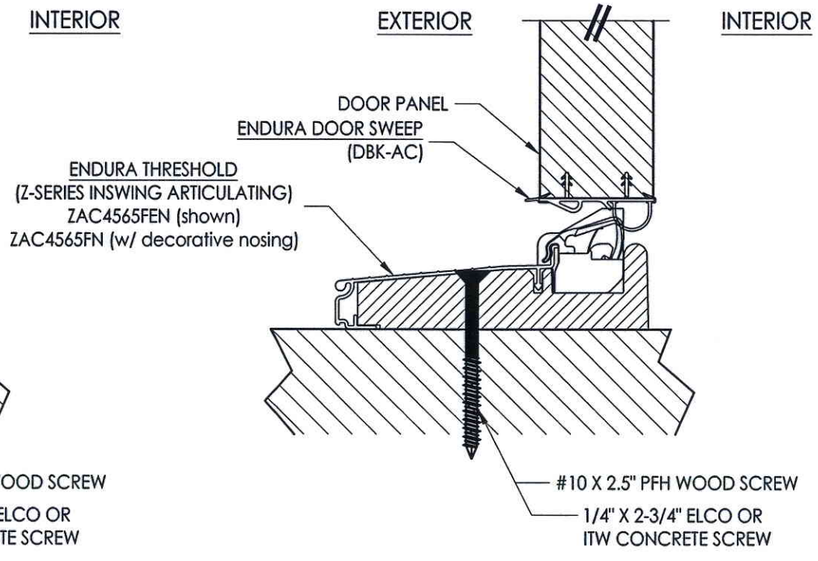
1/5 VERTICAL CROSS SECTION
Outswing shown - inswing also approved



2/5 VERTICAL CROSS SECTION
Outswing shown



3/5 VERTICAL CROSS SECTION
Inswing configuration



4/5 VERTICAL CROSS SECTION
Inswing configuration

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: ENDURA

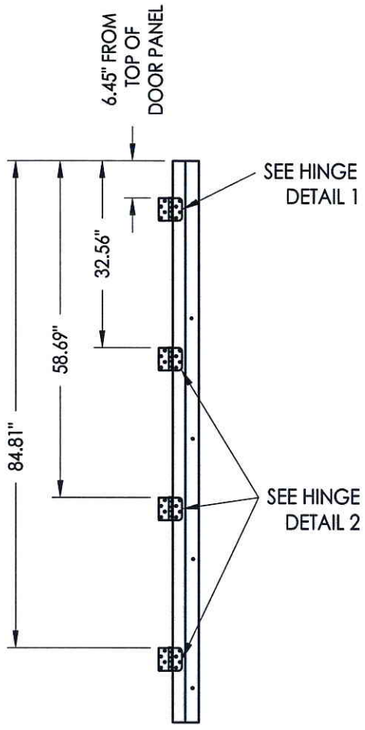
PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

NO.	DATE	BY	REVISIONS

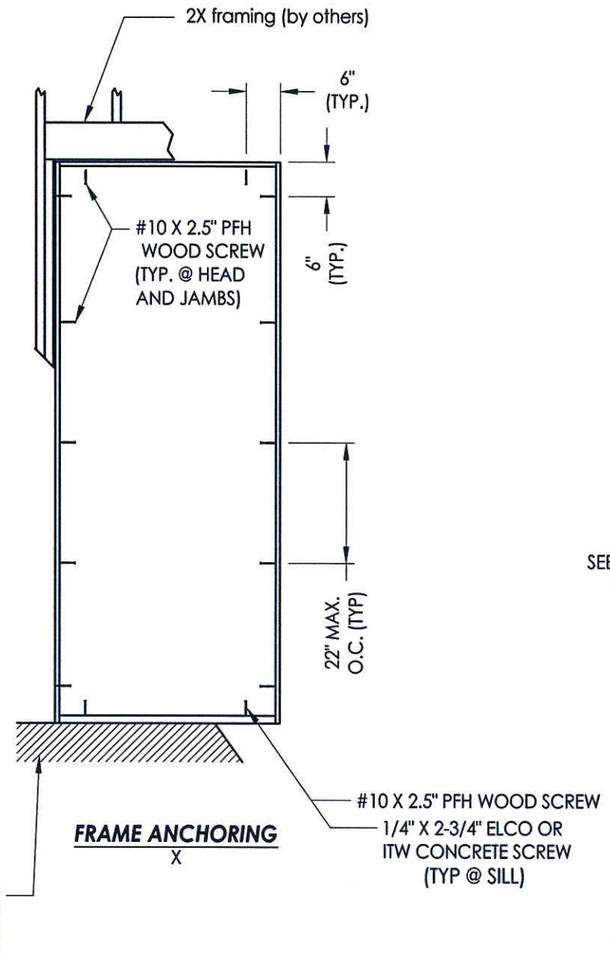
DATE: 12/5/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4418
SHEET 5 OF 6

© 2013 R.W. BUILDING CONSULTANTS INC.

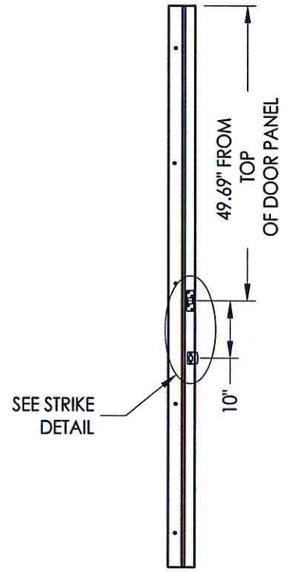
R:\A - Projects\Project Folders\Proj 1601 - 1700\PF 1675\D. RWBC Drawings\TX-4417-18.dwg, 5.8



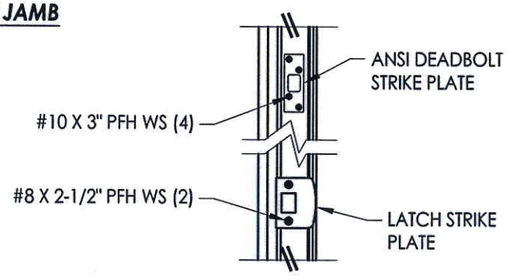
HINGE JAMB



FRAME ANCHORING
X



STRIKE JAMB

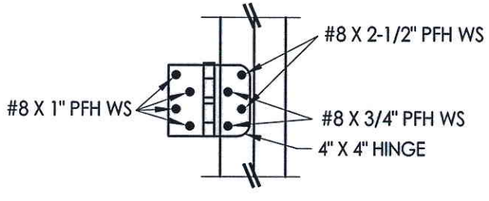


STRIKE DETAIL

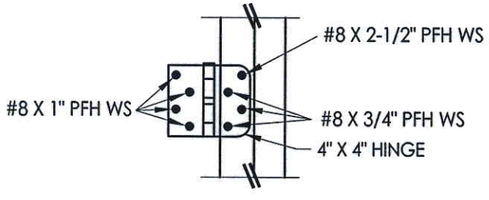
CONCRETE ANCHOR NOTES:

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"
ELCO ULTRACON®	1/4"	1-3/4"	1"	3"



HINGE DETAIL 1



HINGE DETAIL 2

STATE OF TEXAS
LYNDON F. SCHMIDT
104123
LICENSED PROFESSIONAL ENGINEER
12-10-13

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: *FRAME ANCHORING*

NO.	DATE	REVISIONS	BY

DATE: 12/5/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4418
SHEET 6 OF 6

© 2013 R.W. BUILDING CONSULTANTS INC.

R:\A - Projects\Project Folders\Proj 1601 - 1700\PF 1675\D. RWBC Drawings\TX-4417-18.dwg, 6.8