Endura
PRODUCTS, INC.
8811 West Market Street
Colfax, NC 27235

Glazed Steel Door

"NON-IMPACT"
INSWING / OUTSWING

EVALUATED FOR USE IN THE STATE OF TEXAS

The Glazed Steel 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.

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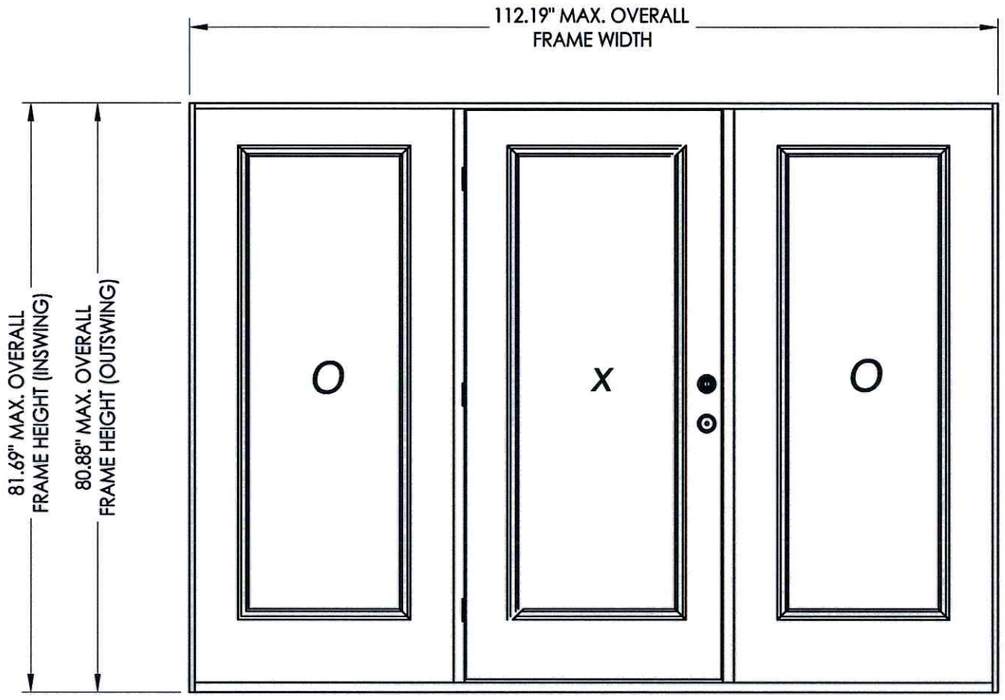
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel details (lip lite insert glazing)
3	Slidelte panel details (lip lite insert glazing)
4	Horizontal cross sections
5	Vertical cross sections
6	Vertical cross sections
7	Frame anchoring



CONFIG.	MODEL	DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
OXO	INSWING	+30.0	-35.0
	OUTSWING	+35.0	-35.0

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Phone No.: 813.659.9197
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

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

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

REVISIONS

NO.	DATE	BY

DATE: 9/06/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4221
SHEET 1 OF 7

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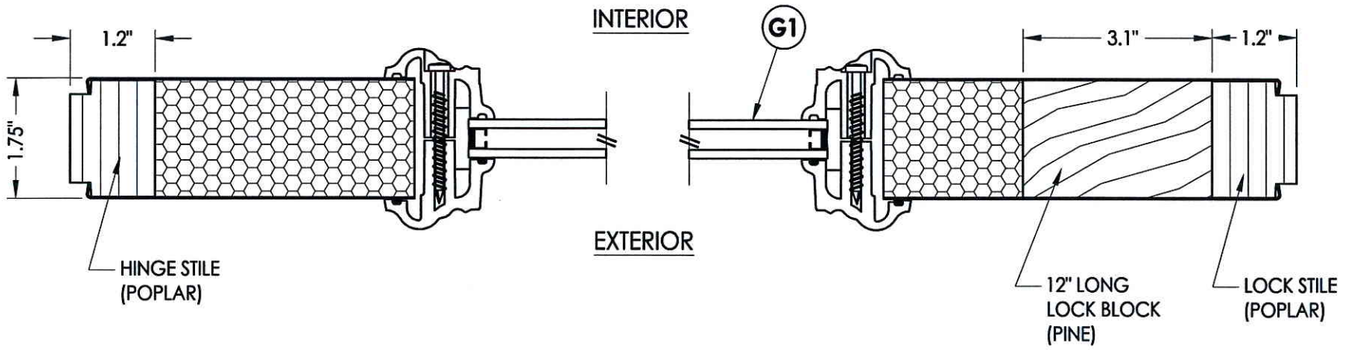
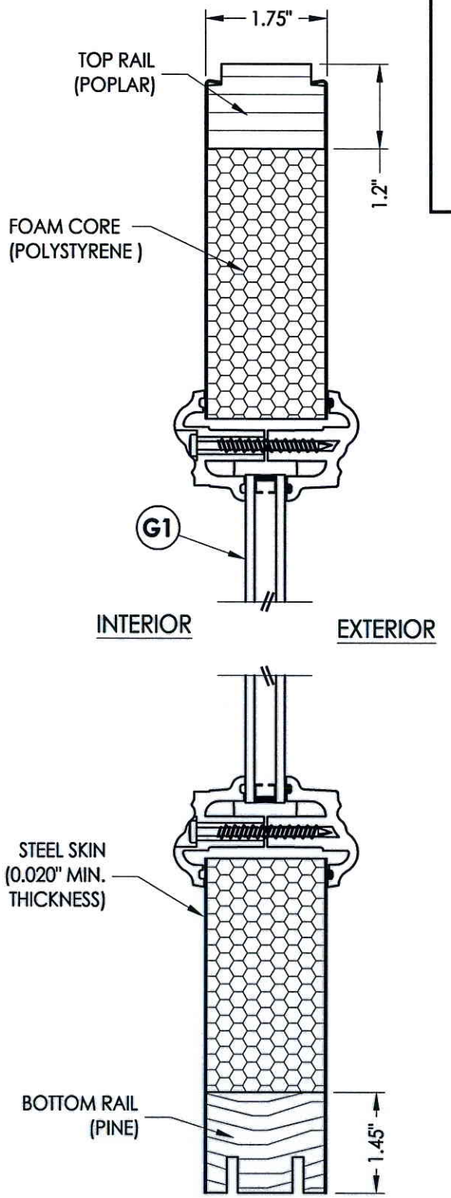
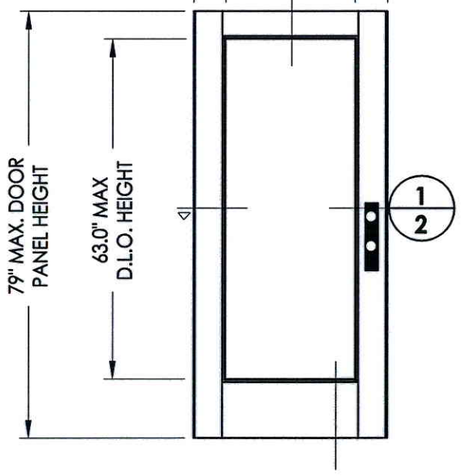


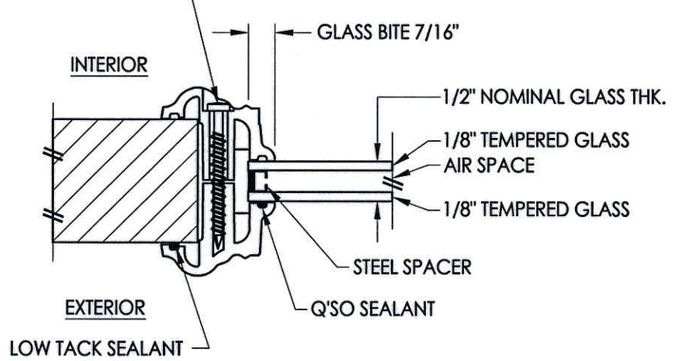
1/2 HORIZONTAL CROSS SECTION



2/2 VERTICAL CROSS SECTION



CREST
Insert glazed
(steel)



G1 GLAZING DETAIL
Lip Lite Insert Glazing (RSL)

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

PRODUCT: ENDURA

PART OR ASSEMBLY: SIDELITE PANEL DETAILS (FLUSH GLAZING)

NO.	DATE	REVISIONS	BY

DATE: 9/06/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4221
SHEET 2 OF 7

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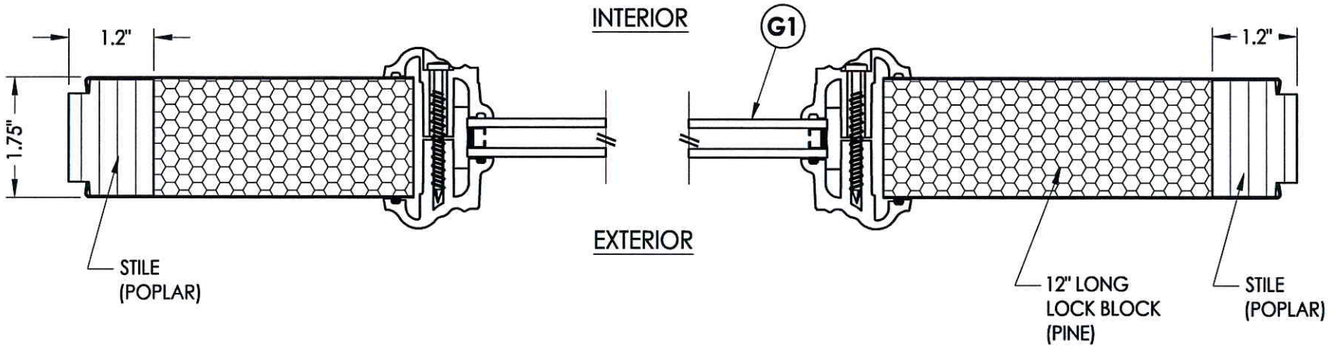
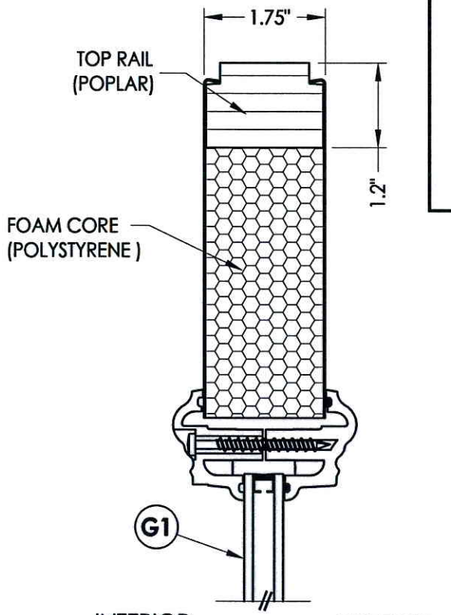
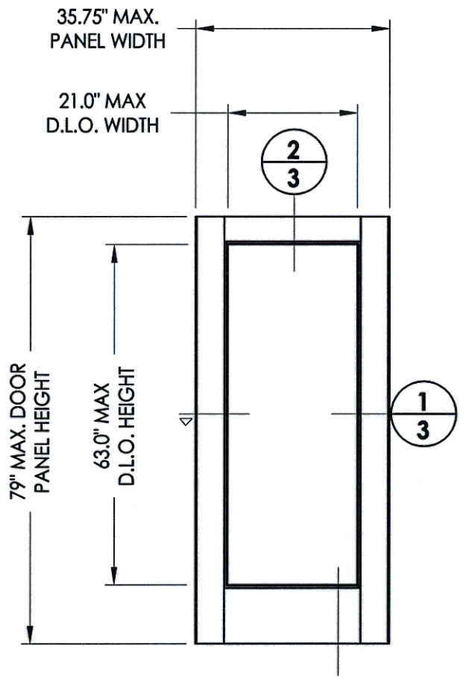
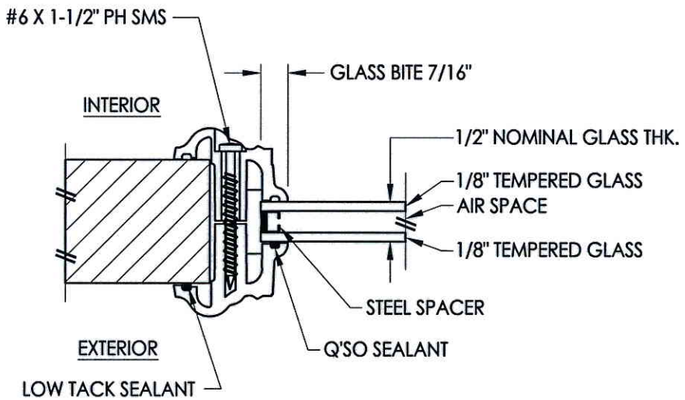


1/3 **HORIZONTAL CROSS SECTION**

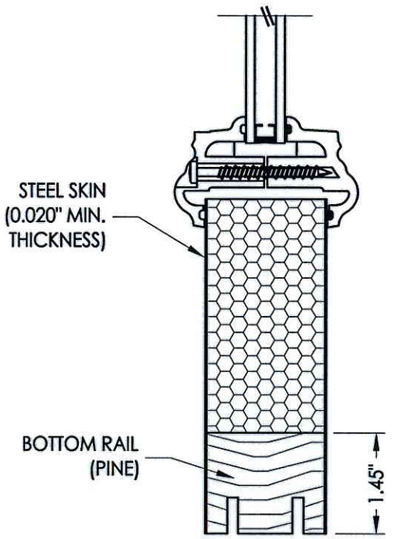




CREST
Insert glazed
(steel)



G1 **GLAZING DETAIL**
Lip Lite Insert Glazing (RSL)



2/3 **VERTICAL CROSS SECTION**

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

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

PRODUCT: ENDURA

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

NO.	DATE	BY	REVISIONS

DATE: 9/06/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4221
SHEET 3 OF 7

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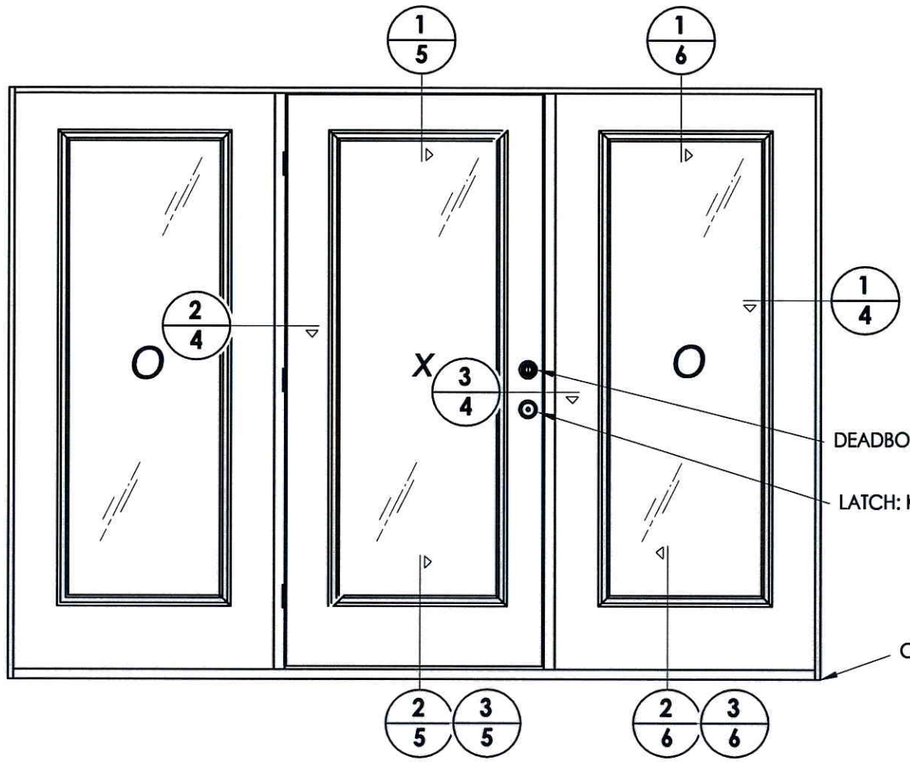
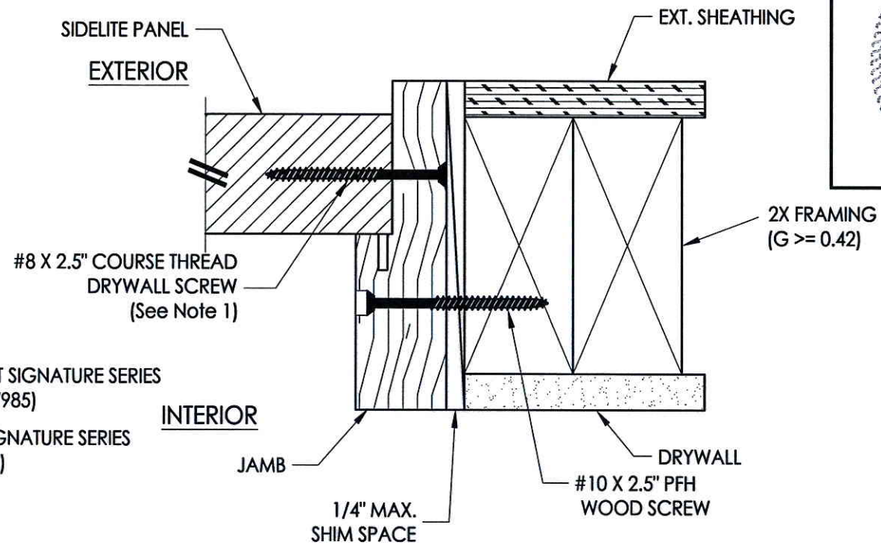
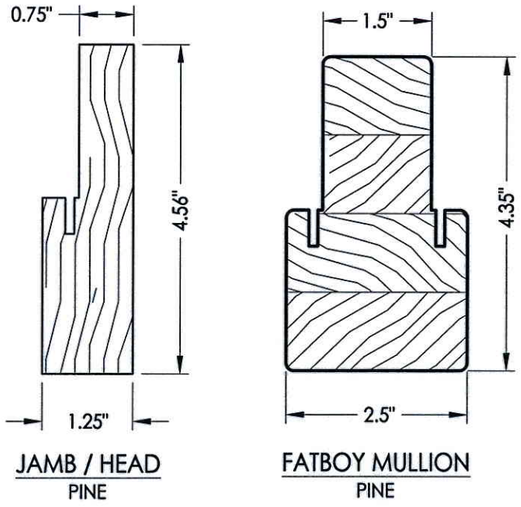
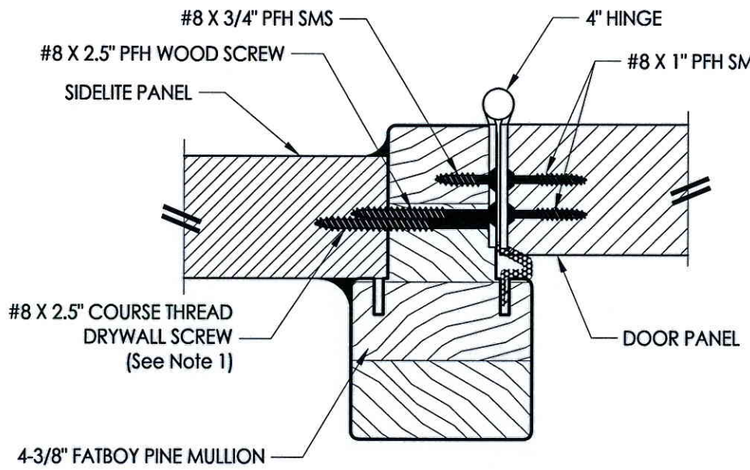


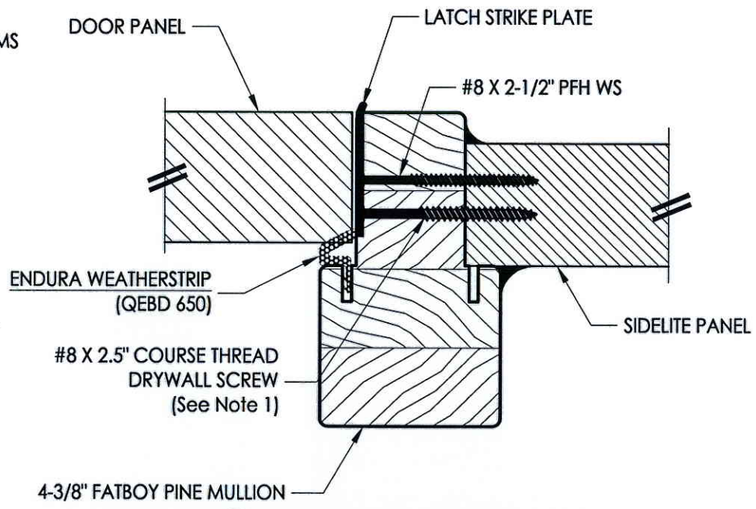


1/4 HORIZONTAL CROSS SECTION
Outswing shown - Inswing also approved





2/4 HORIZONTAL CROSS SECTION
Outswing shown - Inswing also approved



3/4 HORIZONTAL CROSS SECTION
Outswing shown - Inswing also approved

NOTE:
1. Spacing for sidelite screws: 6.5", 38.5" and 69" from head to sill (3 total).

STATE OF TEXAS * LYNDON F. SCHMIDT 104123 LICENSED PROFESSIONAL ENGINEER *
10-1-12

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

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

NO.	DATE	REVISIONS	BY

DATE: 9/06/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4221
SHEET 4 OF 7

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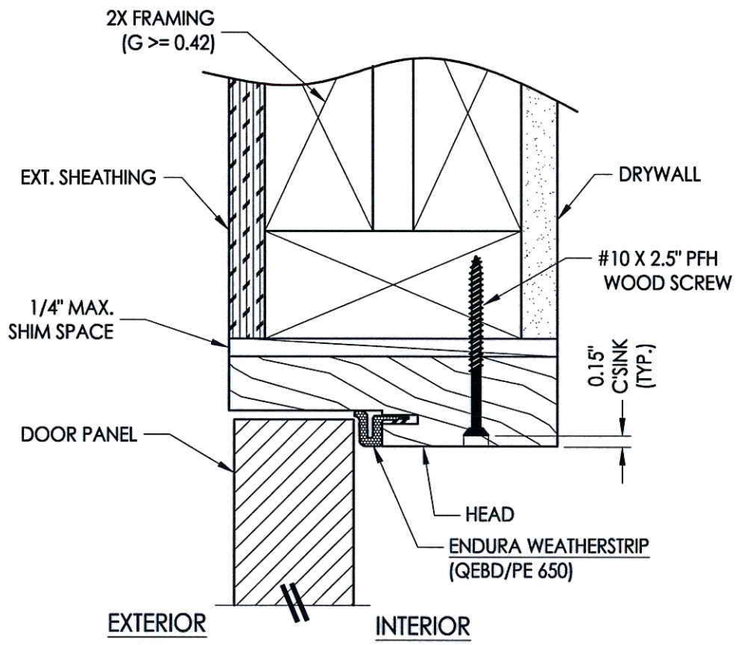
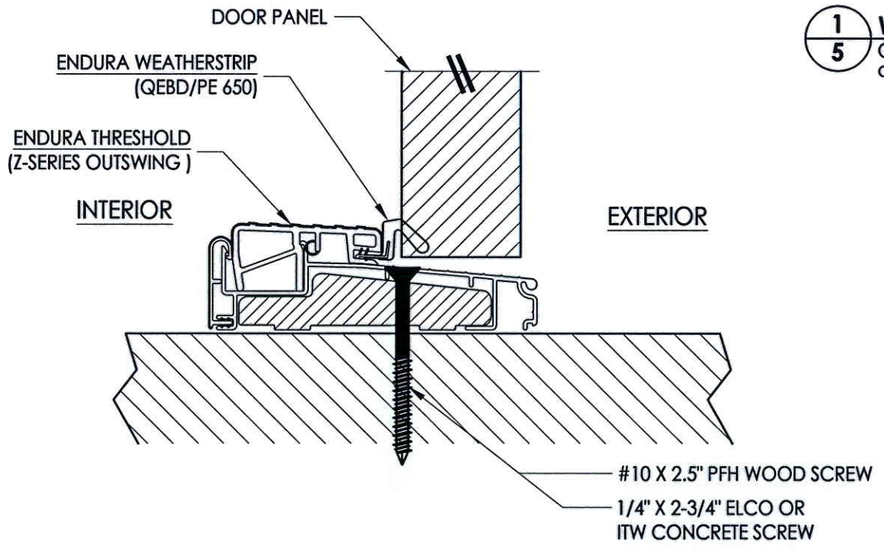
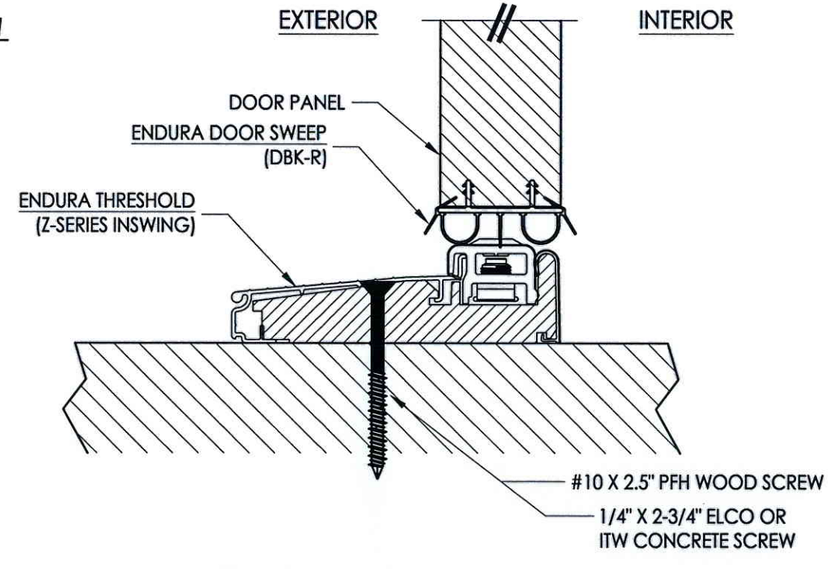


1/5 VERTICAL CROSS SECTION
Outswing shown - inswing also approved



2/5 VERTICAL CROSS SECTION
Outswing shown



3/5 VERTICAL CROSS SECTION
Inswing configuration

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

PRODUCT: ENDURA

PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS	BY

DATE: 9/06/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4221
SHEET 5 OF 7

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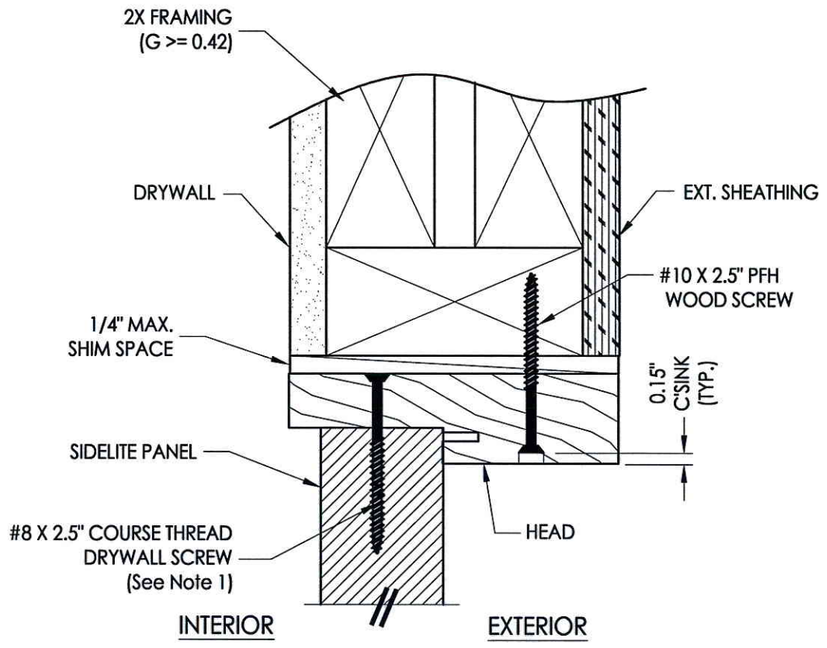
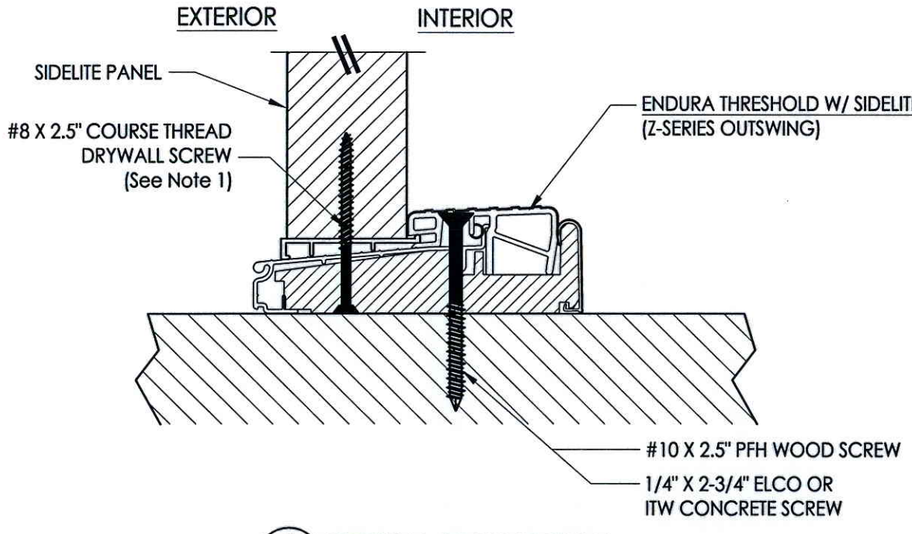
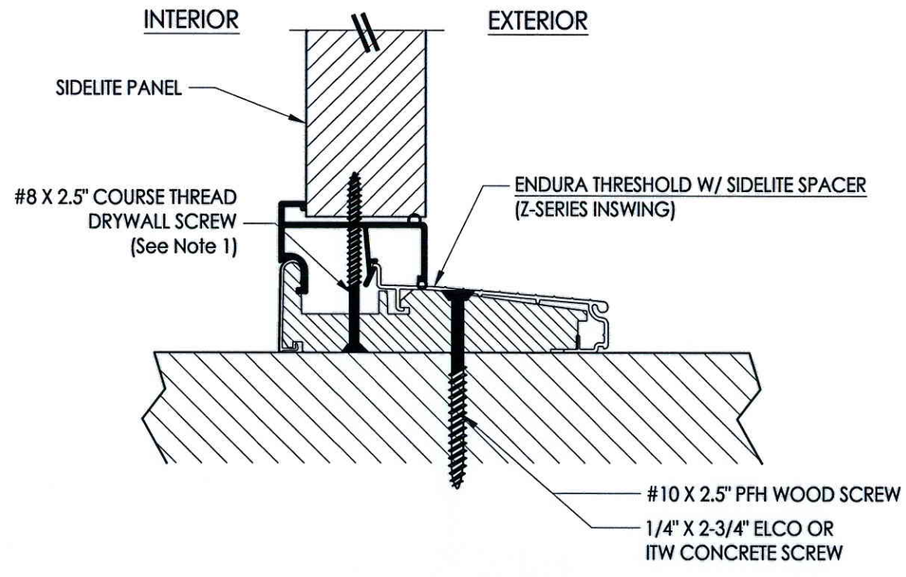


1/6 VERTICAL CROSS SECTION
Inswing shown - Outswing also approved



2/6 VERTICAL CROSS SECTION
Outswing configuration



3/6 VERTICAL CROSS SECTION
Inswing configuration

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

STATE OF TEXAS
LYNDON F. SCHMIDT
104123
LICENSED PROFESSIONAL ENGINEER

10-1-12

Documents Prepared By: Lyndon F. Schmidt, P.E.
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TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

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

NO.	DATE	BY
REVISIONS		

DATE: 9/06/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4221
SHEET 6 OF 7

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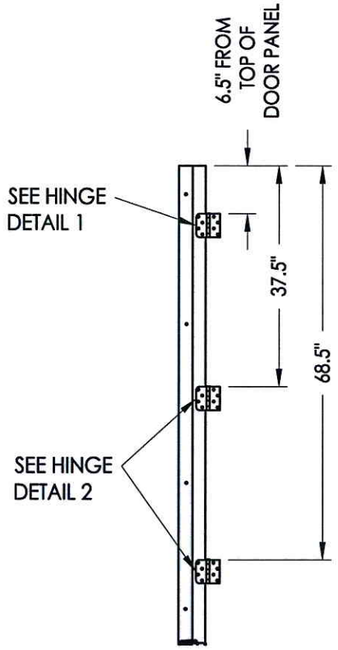
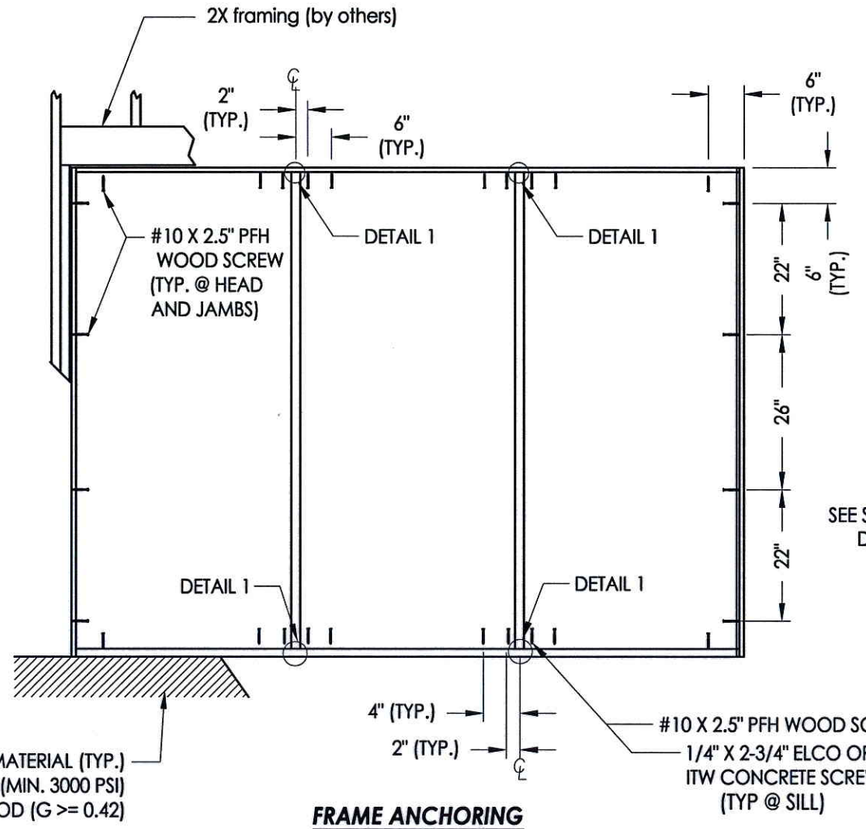
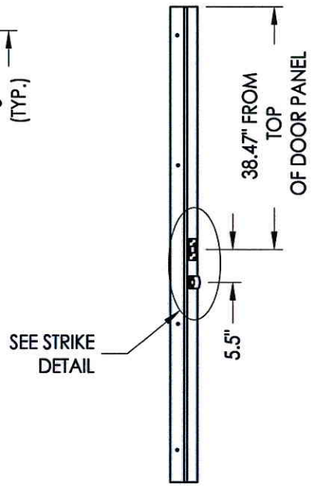


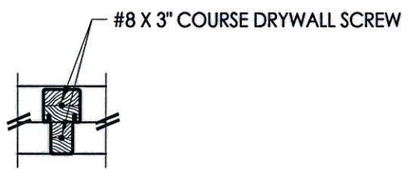
HINGE JAMB



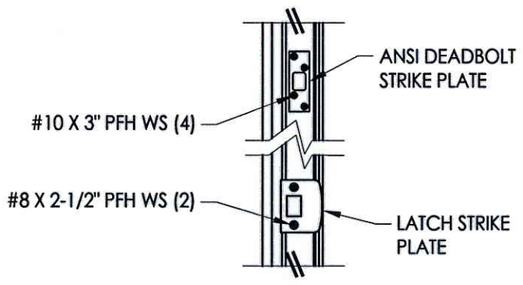
FRAME ANCHORING
OXO



STRIKE JAMB



DETAIL 1
Integral mullion attachment

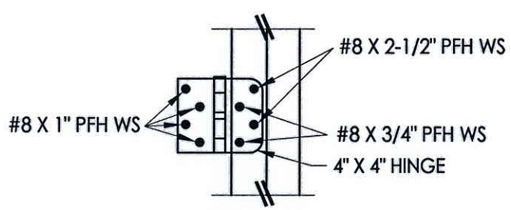


STRIKE DETAIL

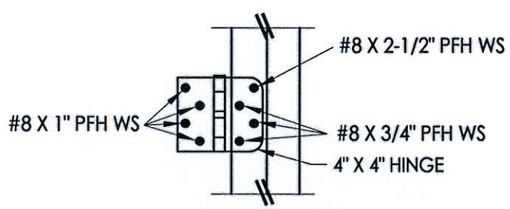
CONCRETE ANCHOR NOTES:

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

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

PRODUCT: ENDURA
PART OR ASSEMBLY: FRAME ANCHORING

NO.	DATE	BY	REVISIONS

DATE: 9/06/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4221
SHEET 7 OF 7

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