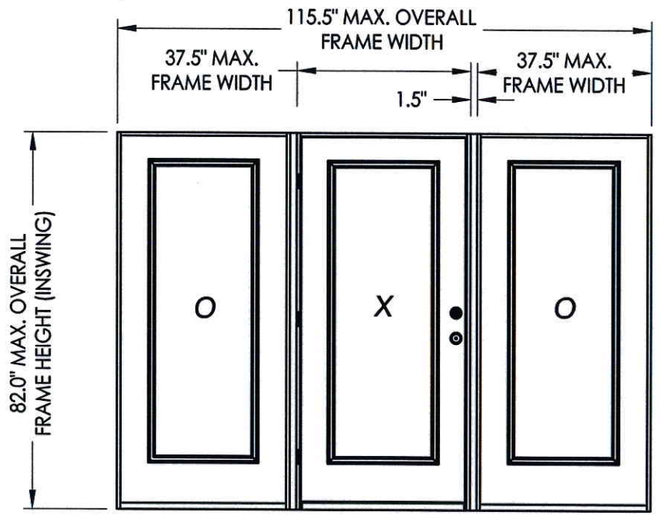
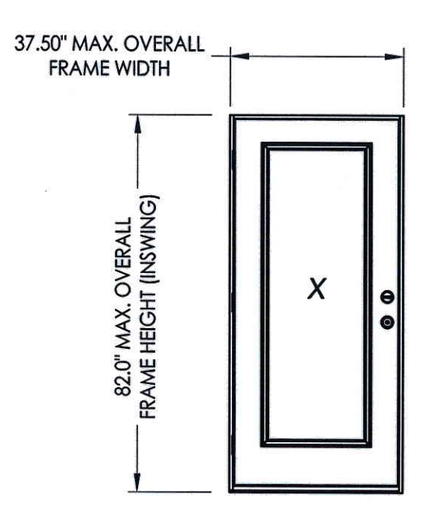
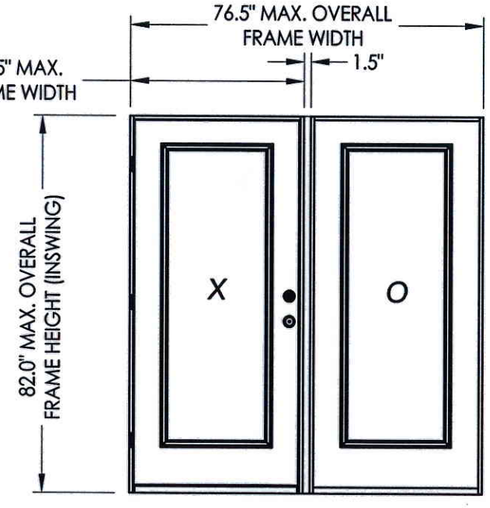
plastpro

5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

GLAZED STEEL DOOR
INSWING
"NON-IMPACT"







EVALUATED FOR USE IN THE STATE OF TEXAS

The Plastpro STEEL DOOR 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 assembly 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
3	Sidelite panel details
4	Elevations
5	Horizontal cross sections
6	Vertical cross sections
7	Frame anchoring (X, OX)
8	Frame anchoring (OXO)
9	Bill of materials and components

CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING	
		POSITIVE	NEGATIVE
X	37.5" x 82.0"	+47.0	-50.0
OX/XO	76.5" x 82.0"	+47.0	-50.0
OXO	115.5" x 82.0"	+47.0	-50.0

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

2-19-13

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

PRODUCT: PLASTPRO STEEL DOOR

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

NO.	DATE	BY	REVISIONS

DATE: 8/28/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4246
SHEET 1 OF 9

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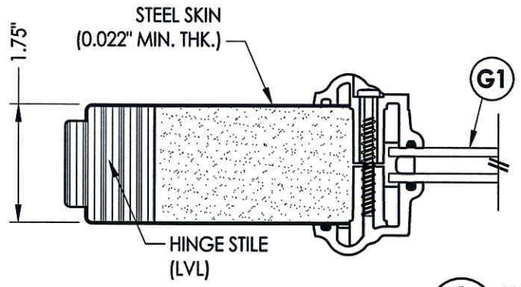
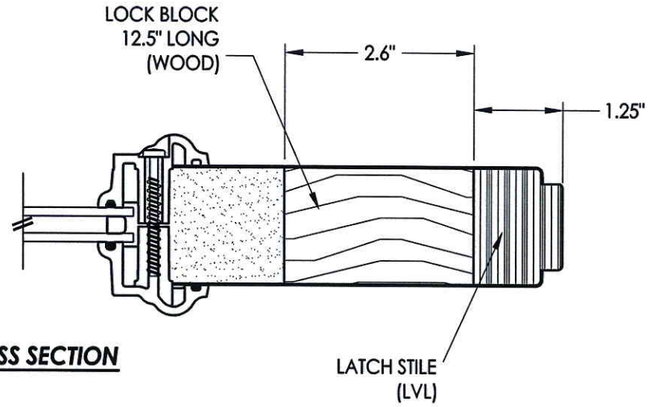


INTERIOR

EXTERIOR



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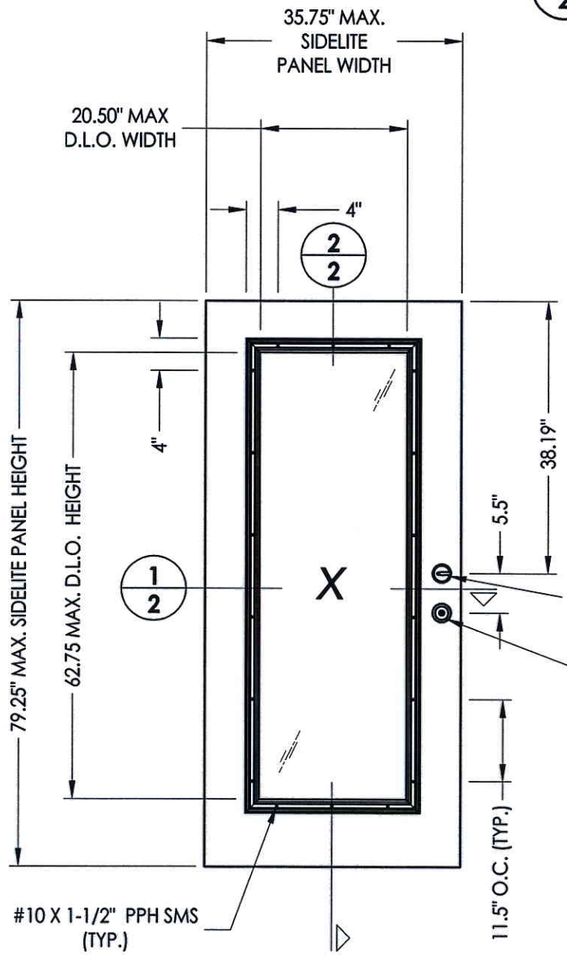
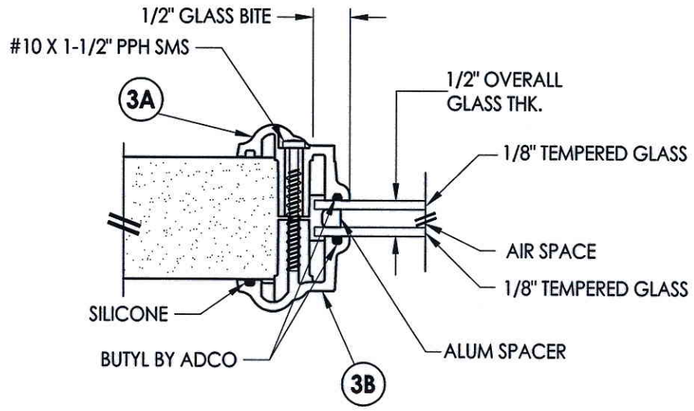
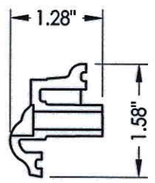


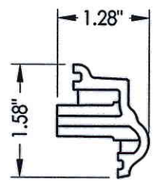
40 DOOR PANEL
Plastpro
Steel



G1 GLAZING DETAIL

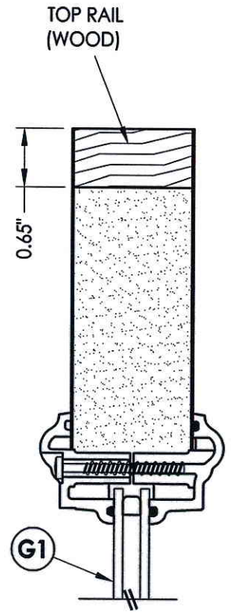


3A INTERIOR ODL LITE FRAME



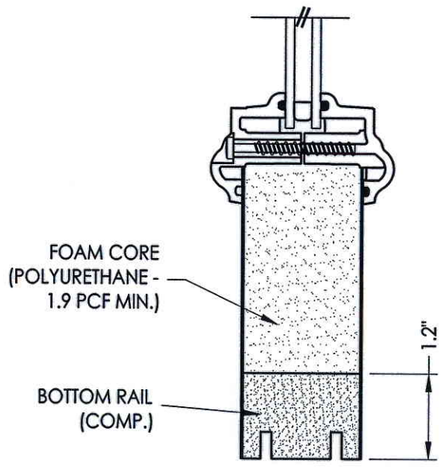
3B EXTERIOR ODL LITE FRAME

HARDWARE TABLE	
MANUFACTURER	MODEL
KWIKSET	KNOB: SIGNATURE SERIES DEADBOLT: SIGNATURE SERIES (980)



INTERIOR

EXTERIOR



2/2 VERTICAL CROSS SECTION

STATE OF TEXAS
LYNDON F. SCHMIDT
104123
LICENSED
PROFESSIONAL ENGINEER

2-18-13

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: PLASTPRO STEEL DOOR

PART OR ASSEMBLY: DOOR PANEL DETAILS

NO.	DATE	BY
	REVISIONS	

DATE: 8/28/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4246
SHEET 2 OF 9

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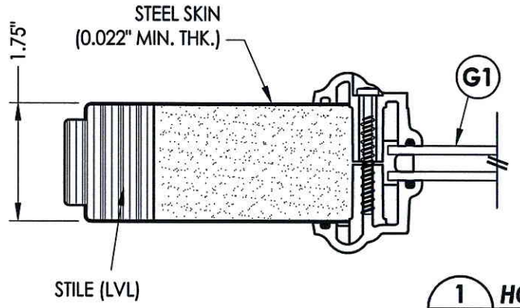
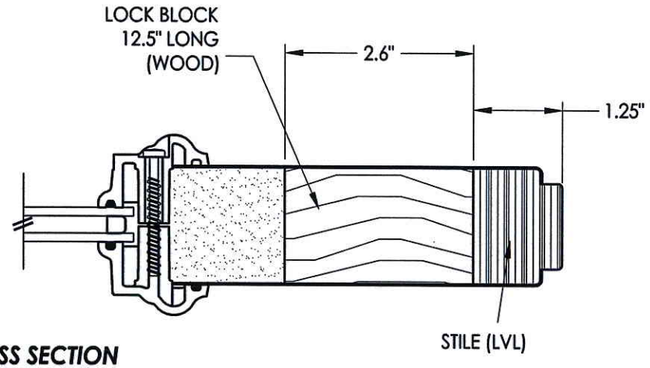
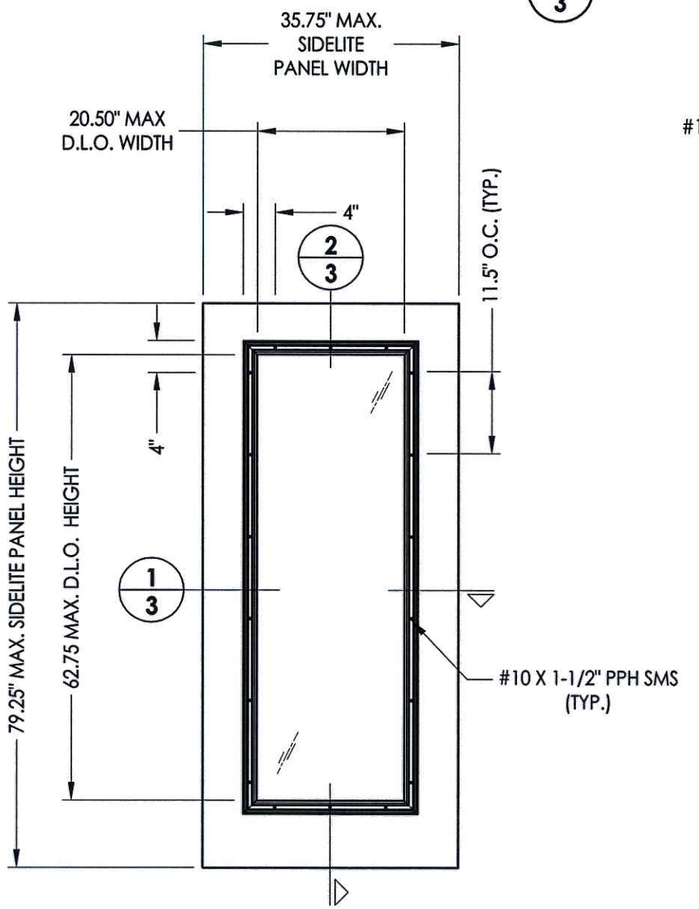
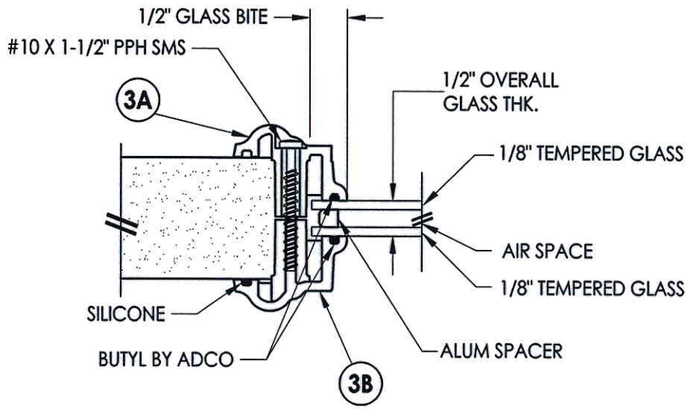




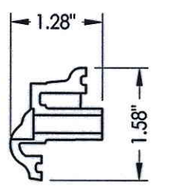
1/3 **HORIZONTAL CROSS SECTION**



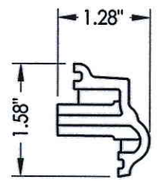
50 **SIDELITE PANEL**
Plastpro
Steel



G1 **GLAZING DETAIL**



3A **INTERIOR ODL LITE FRAME**



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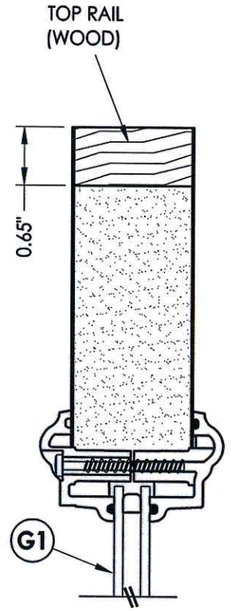

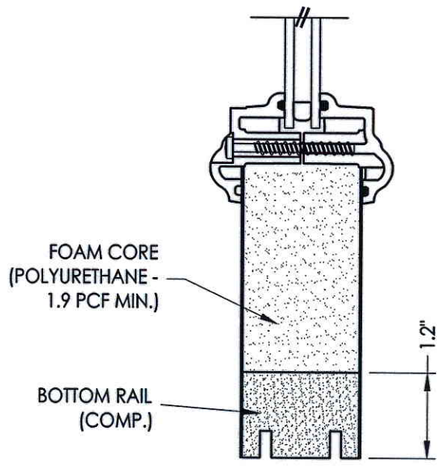

2/3 **VERTICAL CROSS SECTION**

STATE OF TEXAS
LYNDON F. SCHMIDT
104123
LICENSED
PROFESSIONAL ENGINEER
2.18.13

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: PLASTPRO STEEL DOOR

PART OR ASSEMBLY: SIDELITE PANEL DETAILS

NO.	DATE	BY
	REVISIONS	

DATE: 8/28/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4246
SHEET 3 OF 9

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ELEVATION (X)

ELEVATION (XO - OX)

ELEVATION (OXO)

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Phone No.: 813.659.9197

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

PRODUCT: PLASTPRO STEEL DOOR

PART OR ASSEMBLY: ELEVATIONS

NO.	DATE	BY

REVISIONS

DATE: 8/28/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4246
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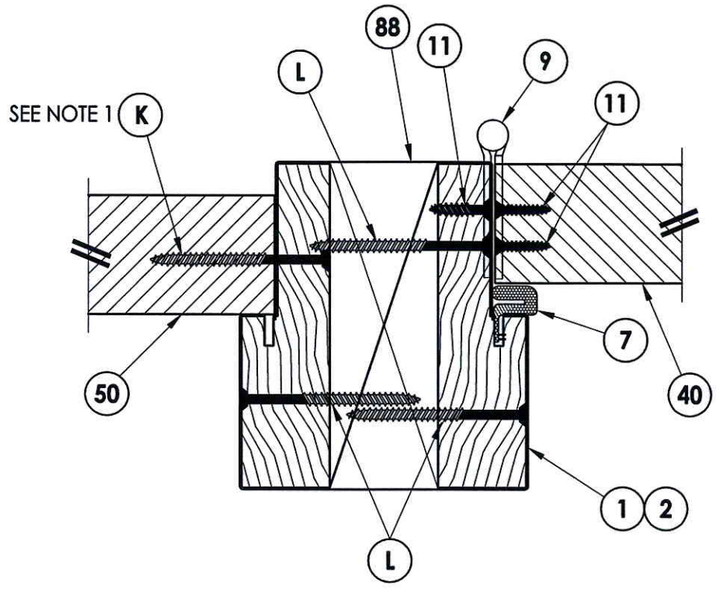
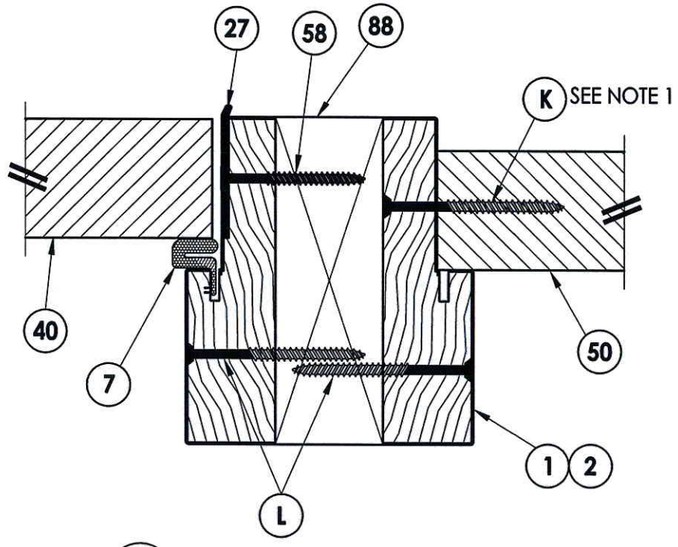


INTERIOR

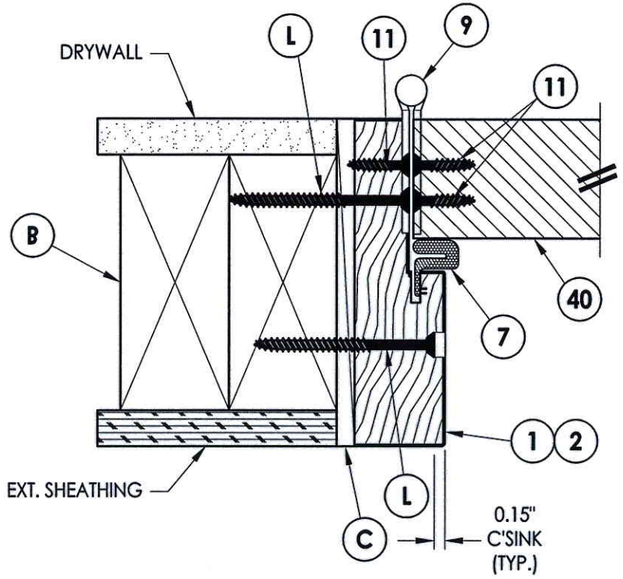
EXTERIOR

2/5 **HORIZONTAL CROSS SECTION**



3/5 **HORIZONTAL CROSS SECTION**

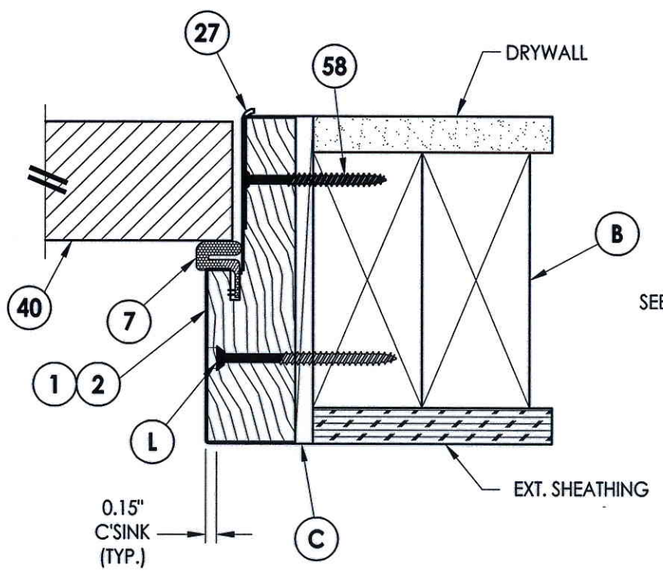
NOTE:
1. Spacing for item K: 6" from ends and 4 more equally spaced along sidelite (6 total).



INTERIOR

EXTERIOR

1/5 **HORIZONTAL CROSS SECTION**



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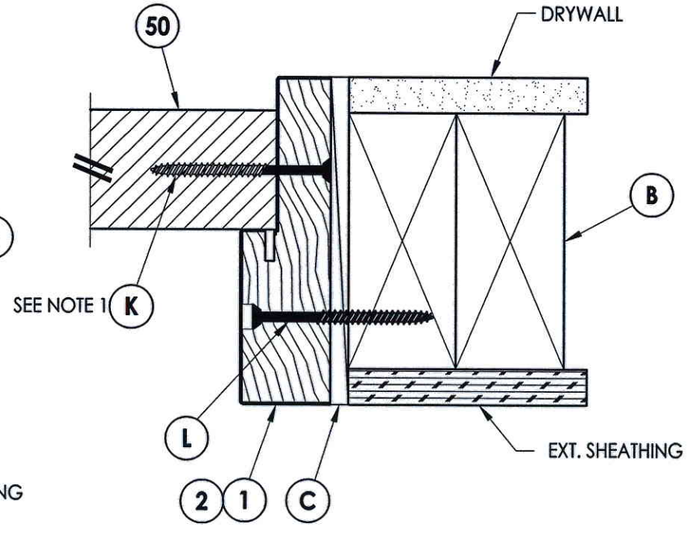

4/5 **HORIZONTAL CROSS SECTION**

Documents Prepared By: Lyndon F. Schmidt, P.E.
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P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197

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

PRODUCT: PLASTPRO STEEL DOOR

PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS

NO.	DATE	BY	REVISIONS

DATE: 8/28/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4246
SHEET 5 OF 9

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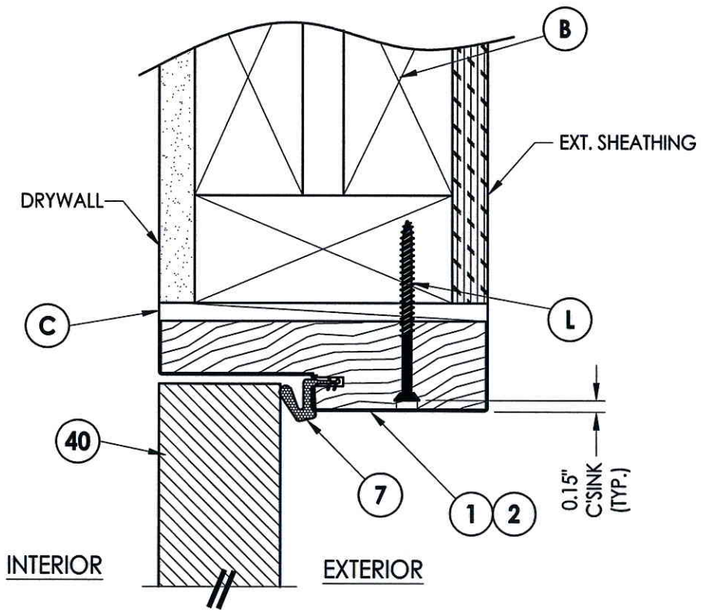
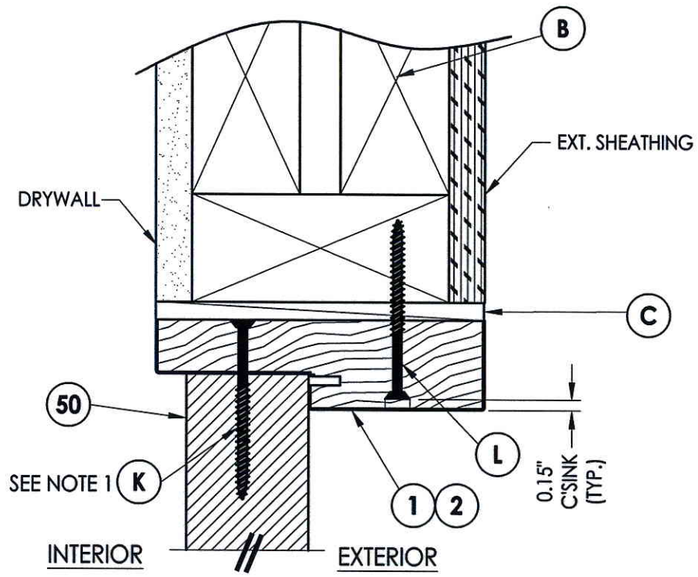
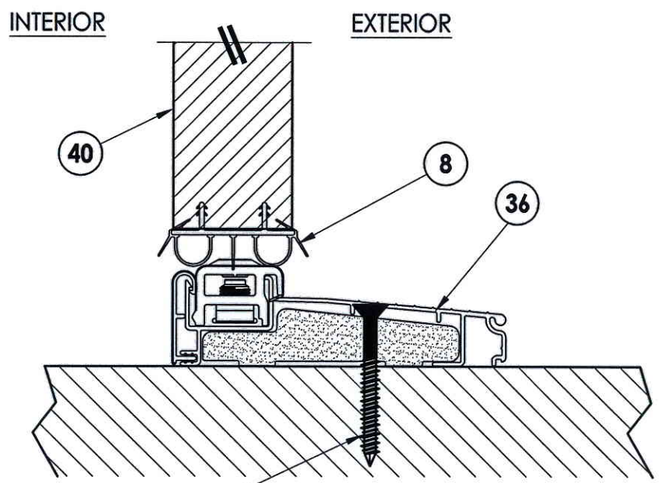


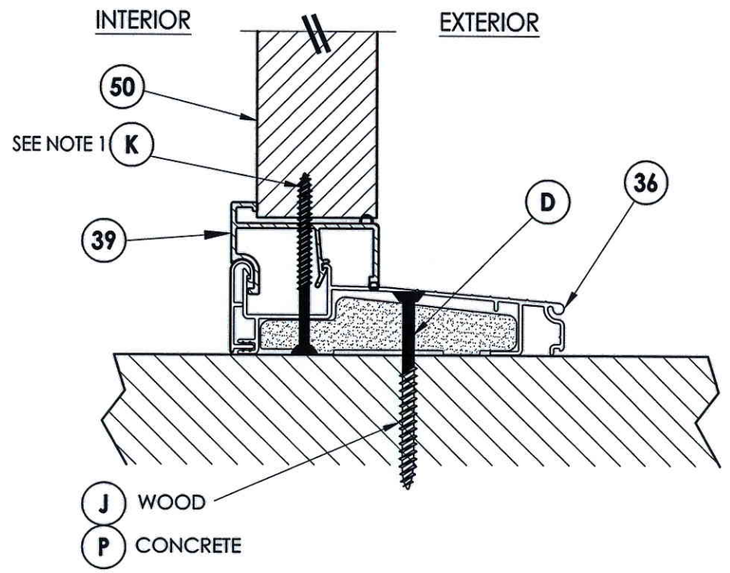
1/6 VERTICAL CROSS SECTION



2/6 VERTICAL CROSS SECTION



3/6 VERTICAL CROSS SECTION
Inswing sill



4/6 VERTICAL CROSS SECTION
Inswing sill

NOTE

1. Spacing for item K: 6" from each end.

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

2-18-13

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

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P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197

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

PRODUCT: PLASTPRO STEEL DOOR

PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

NO.	DATE	BY

REVISIONS

DATE: 8/28/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4246
SHEET 6 OF 9

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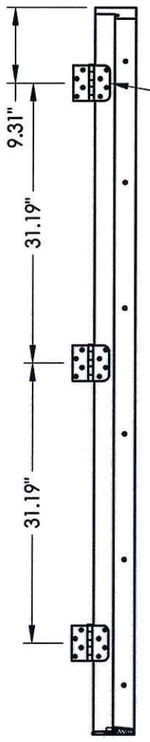
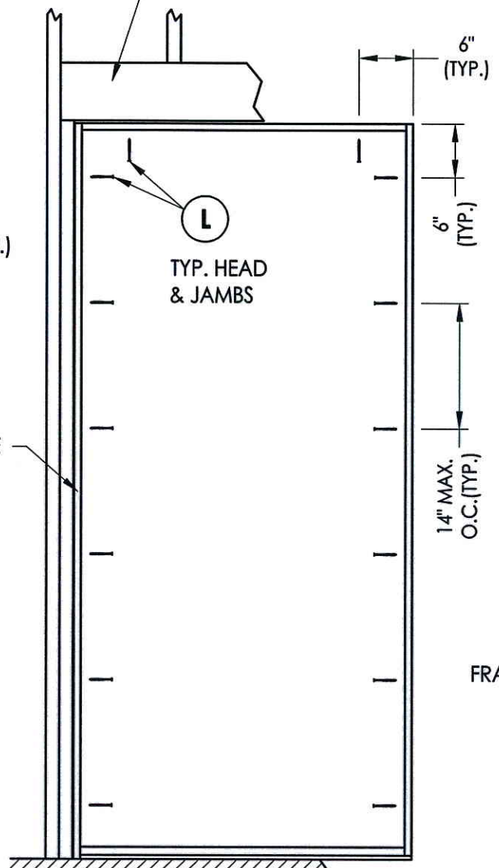
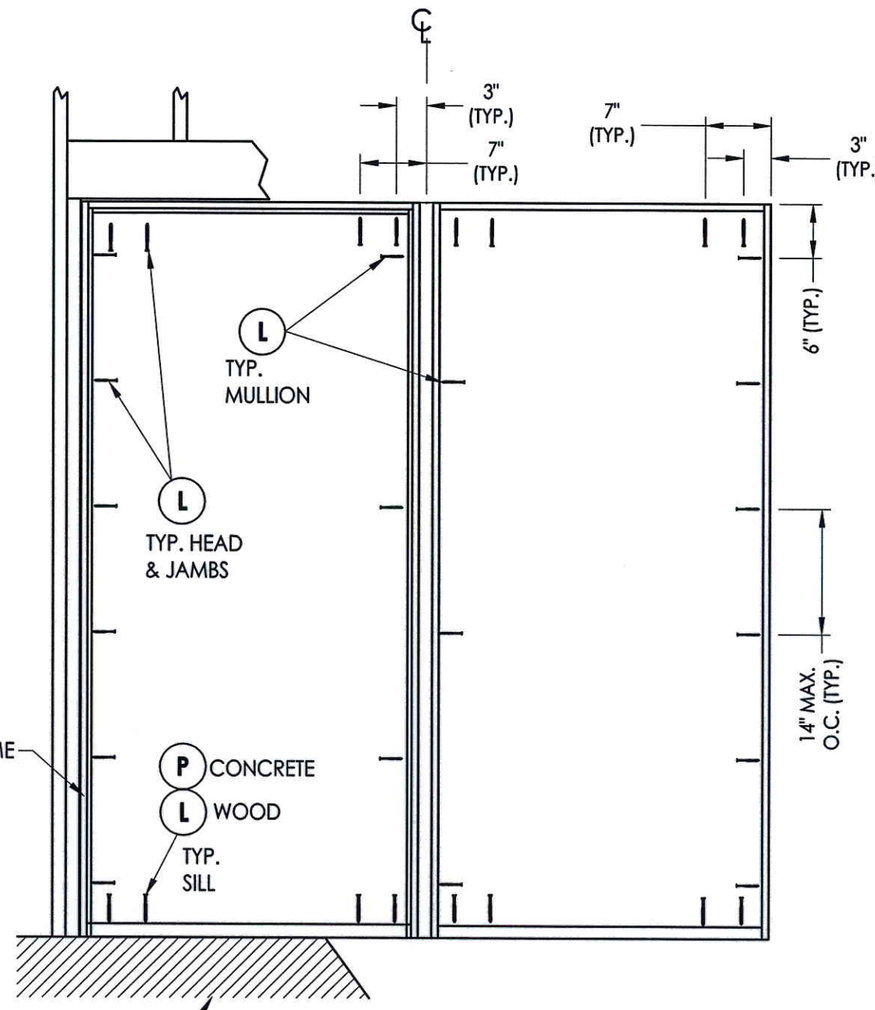
2X FRAMING TO BE DESIGNED BY THE ENGINEER OR ARCHITECT OF RECORD BASED ON WIND LOADS AND THE CLADDING BEING USED (TYP).



STRIKE JAMB

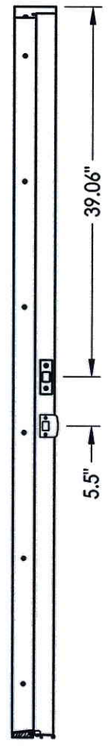


FRAME ANCHORING
X

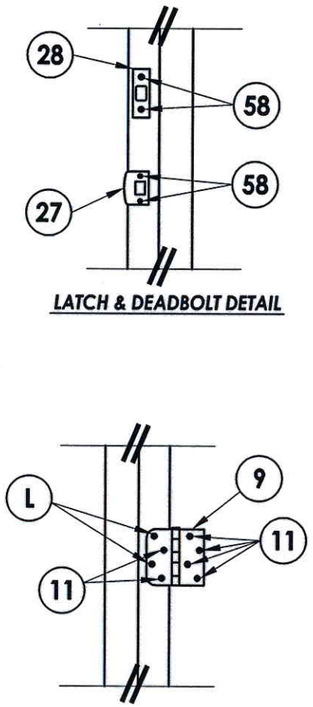


FRAME ANCHORING
OX / XO

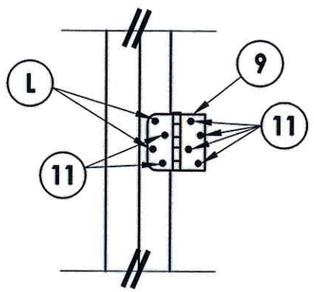
FLOOR SUBSTRATE MATERIAL
CONCRETE (MIN. 3000 PSI)
WOOD (G >= 0.42)



HINGE JAMB



LATCH & DEADBOLT DETAIL



HINGE DETAIL

STATE OF TEXAS
LYNDON F. SCHMIDT
104123
LICENSED PROFESSIONAL ENGINEER
8.28.12

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: PLASTPRO STEEL DOOR

PART OR ASSEMBLY: FRAME ANCHORING (X, OX)

NO.	DATE	REVISIONS	BY

DATE: 8/28/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4246
SHEET 7 OF 9

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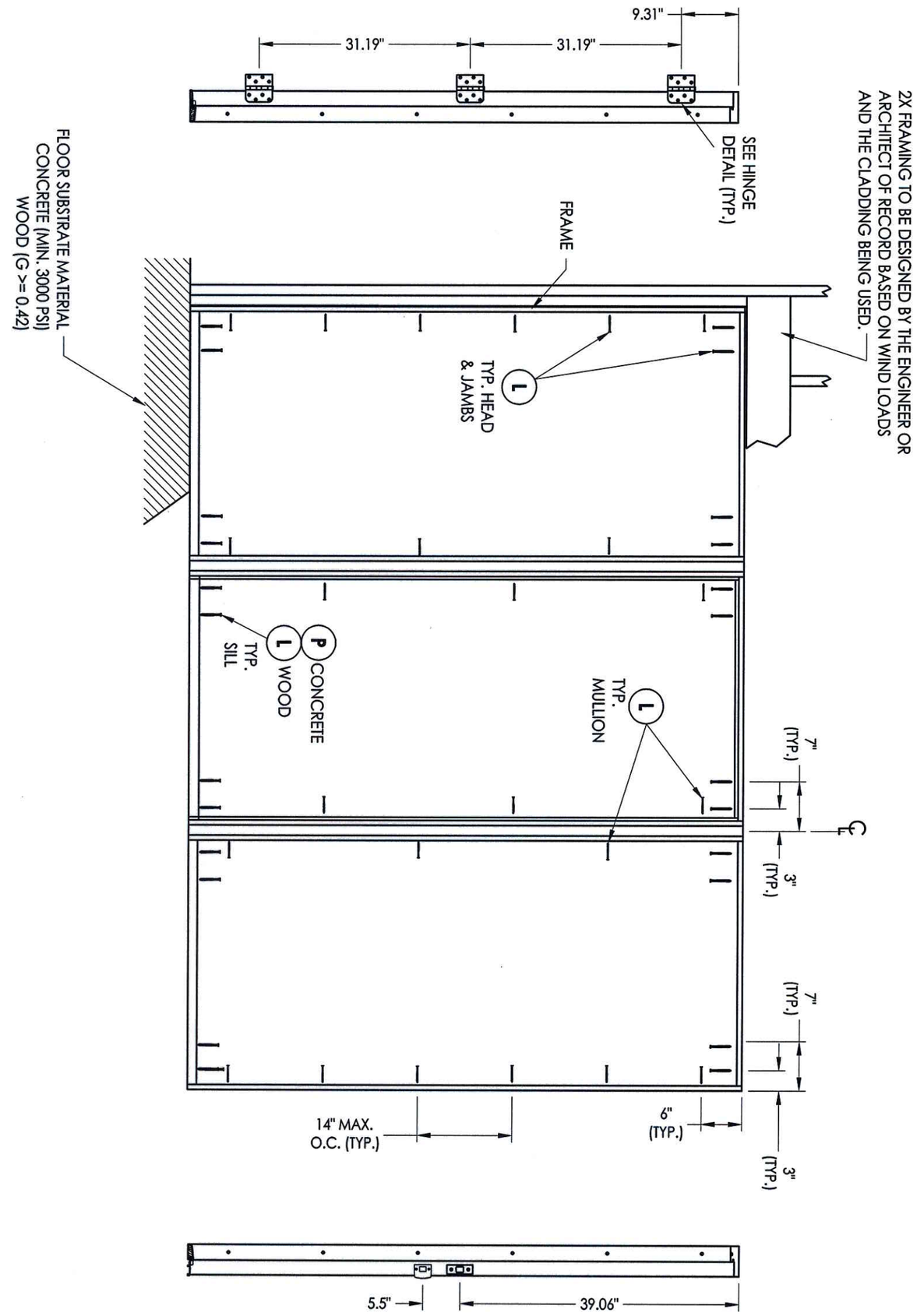
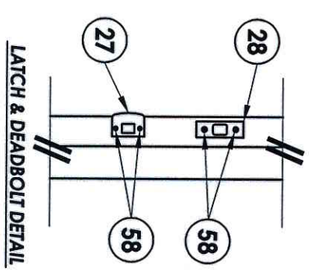
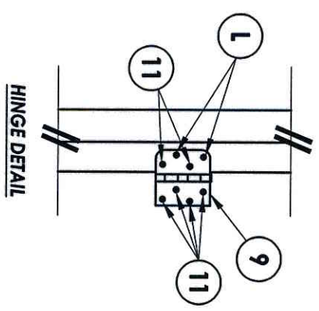




LATCH & DEADBOLT DETAIL



HINGE DETAIL

STATE OF TEXAS
LYNDON F. SCHMIDT
104123
LICENSED
PROFESSIONAL ENGINEER
2-18-13

DATE: 8/28/12	NO.	DATE	BY
SCALE: N.T.S.		REVISIONS	
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: TX-4246			
SHEET 8 OF 9			

PRODUCT:
PLASTPRO STEEL DOOR

PART OR ASSEMBLY:
FRAME ANCHORING (OXO)

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

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Phone No.: 813.659.9197

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

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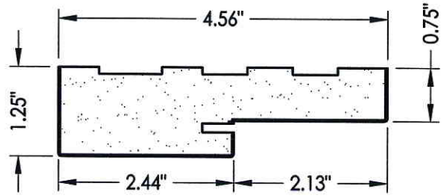
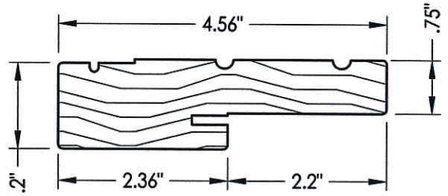
BILL OF MATERIALS

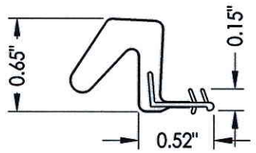
ITEM #	DESCRIPTION	MATERIAL
B	2X FRAMING (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
K	#9 X 2-1/2" PFH WOOD SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW	STEEL
P	1/4" PFH ELCO OR ITW CONCRETE SCREW (1-3/4" MIN. EMB.)	STEEL
1	POLY FIBER JAMB	-
2	WOOD JAMB (FINGER JOINTED PINE)	WOOD
7	WEATHERSTRIP	FOAM
8	DOOR BOTTOM SWEEP	VINYL
9	4" X 4" BUTT HINGE	STEEL
11	#9 X 3/4" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
36	INSWING THRESHOLD	ALUM/COMP
39	INSWING SIDELITE ADAPTER	VINYL
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR DETAILS	-
50	SIDELITE PANEL - SEE SIDELITE PANEL DETAIL SHEET FOR DETAILS	-
58	#8 X 2" PFH WS	STEEL
88	2X REINFORCEMENT (G >= 0.55)	WOOD



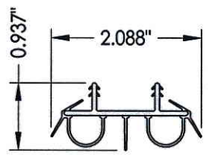
1 **POLY FIBER JAMB**
Plastpro



2 **WOOD JAMB**



7 **WEATHERSTRIP**
Endura Force 5

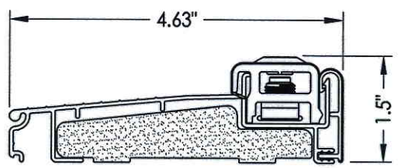


8 **DOOR BOTTOM SWEEP**

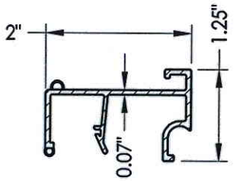
CONCRETE ANCHOR NOTES:

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:*

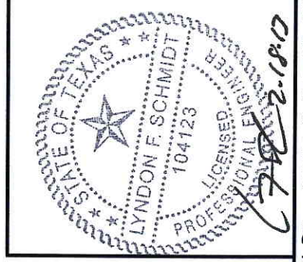
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-3/4"	2-1/2"	3"
ELCO ULTRACON®	1/4"	1-3/4"	1"	3"



36 **INSWING THRESHOLD**
Endura (Z-Series)



39 **INSWING SIDELITE ADAPTER**



2-10-12

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

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PRODUCT: PLASTPRO STEEL DOOR

PART OR ASSEMBLY: BILL OF MATERIALS AND COMPONENTS

NO.	DATE	BY

REVISIONS

DATE: 8/28/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4246
SHEET 9 OF 9

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