WINCORE™
WINDOWS & DOORS
250 Staunton Turnpike, Parkersburg, WV 26104

FIBERGLASS ENTRY DOOR
INSWING / OUTSWING
"IMPACT"

EVALUATED FOR USE IN THE STATE OF TEXAS

The Wincore Fiberglass 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. This system has been tested and evaluated as a large missile impact protective system for installation in the Seaward, Inland I and Inland II areas. 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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2	Door panel details
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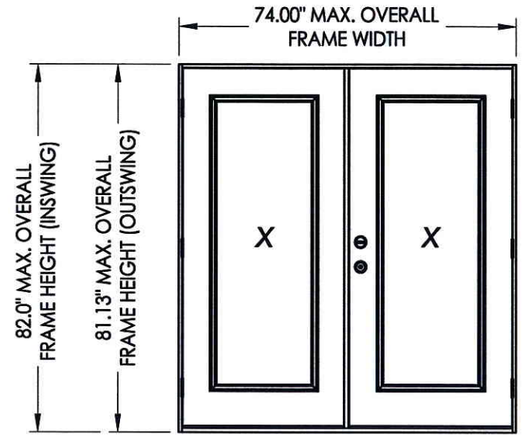
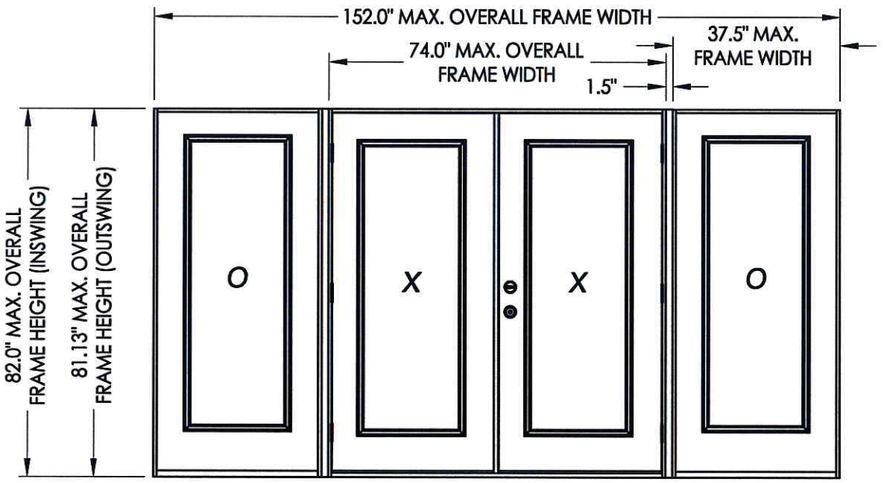
7	Vertical cross sections
8	3-Point lock details
9	3-Point lock details
10	Frame anchoring
11	Astragal details
12	Bill of materials & components





CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX	74.0" x 82.0"	+60.0	-60.0	+75.0	-75.0
OXXO	152.0" x 82.0"	+50.0	-50.0	+50.0	-50.0

See sheet 2 for hardware design pressure limitations

STATE OF TEXAS · LYNDON F. SCHMIDT · 104123 · LICENSED PROFESSIONAL ENGINEER
5.31.12

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

NO.	DATE	REVISIONS	BY

DATE: 05/30/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4163
SHEET 1 OF 12

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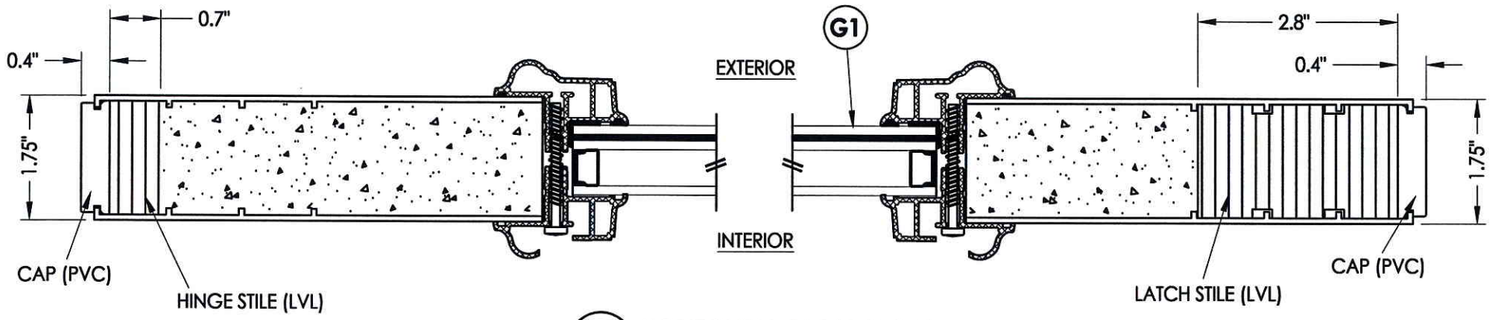
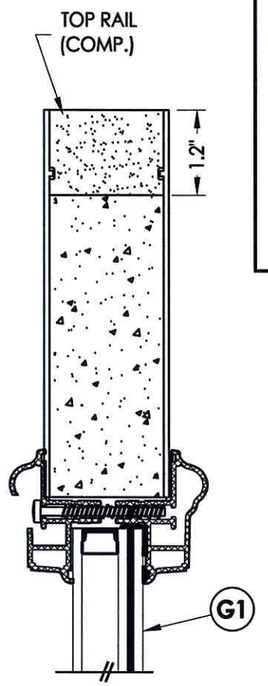
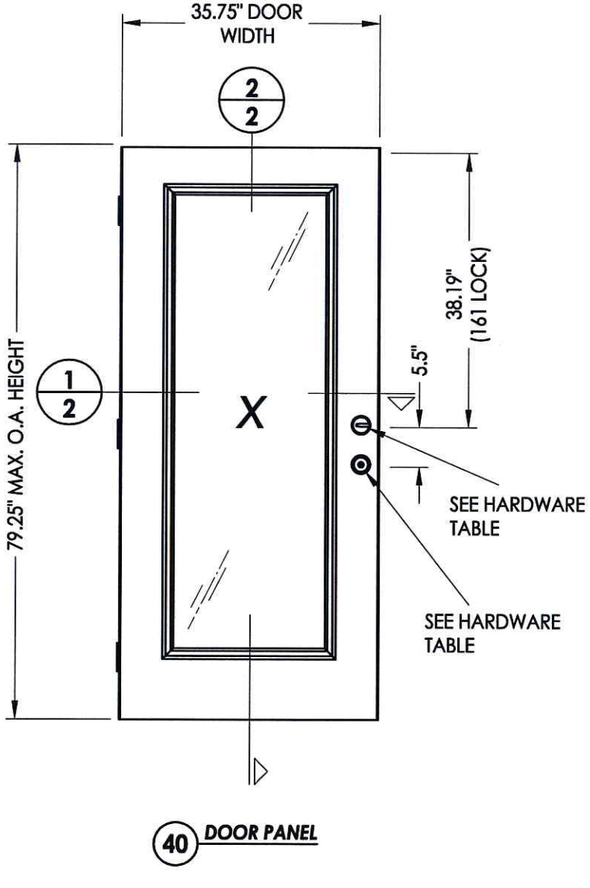


1/2 **HORIZONTAL CROSS SECTION**



2/2 **VERTICAL CROSS SECTION**



40 **DOOR PANEL**

HARDWARE TABLE			
MANUFACTURER	MODEL		MAX. DESIGN PRESSURE (PSF)
KWIKSET	KNOB: DEADBOLT:	SIGNATURE SERIES SIGNATURE SERIES (980)	± 75
SCHLAGE	KNOB: DEADBOLT:	"F" SERIES (F51) "B" SERIES (B60/62)	± 75
PAMEX	LEVER: DEADBOLT:	FL3B SERIES FD7 SERIES	± 75
HOPPE	MULTI-POINT LOCK:	3-POINT TONGUE	± 50
W & F	MULTI-POINT LOCK:	TRILENNIUM "3000" SERIES	± 75

See sheets 8 and 9 for multi-point lock details.

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CERTIFICATE OF REGISTRATION # F-11852

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

PRODUCT: WINCORE FIBERGLASS DOOR
PART OR ASSEMBLY: DOOR PANEL DETAILS

NO.	DATE	BY	REVISIONS

DATE: 05/30/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4163
SHEET 2 OF 12

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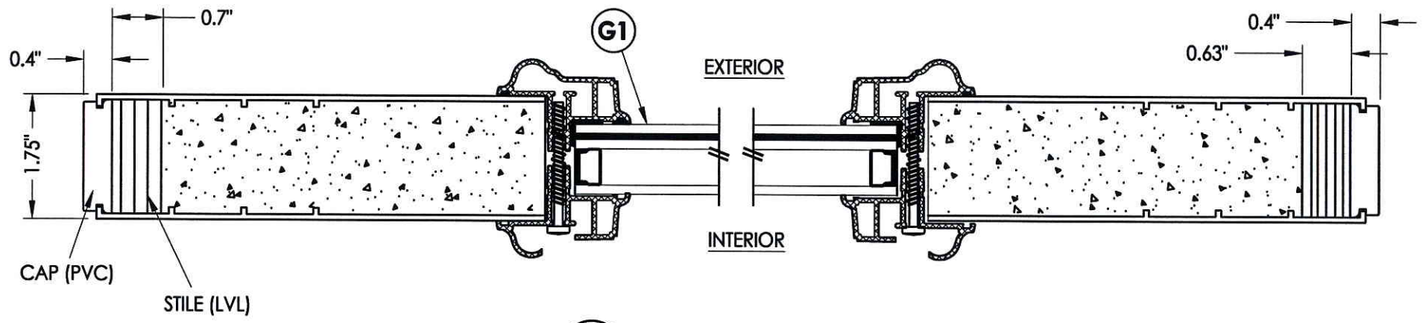
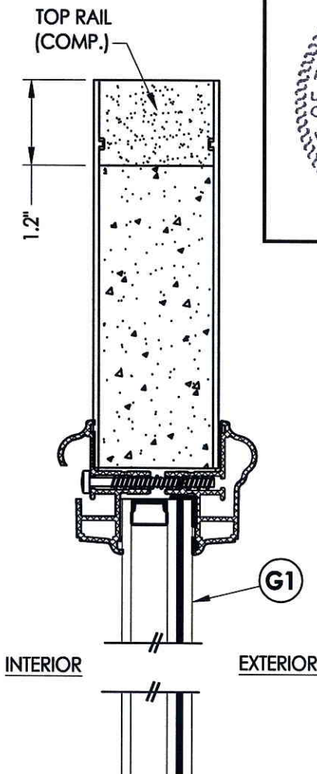
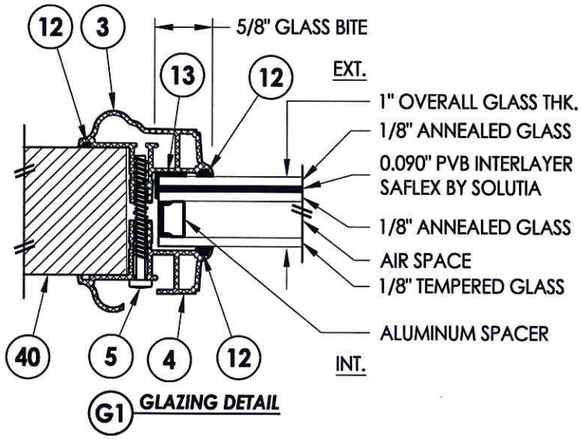
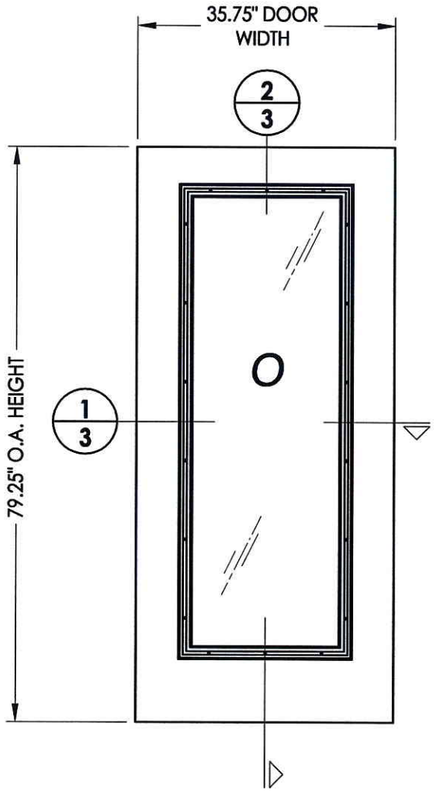


1/3 **HORIZONTAL CROSS SECTION**

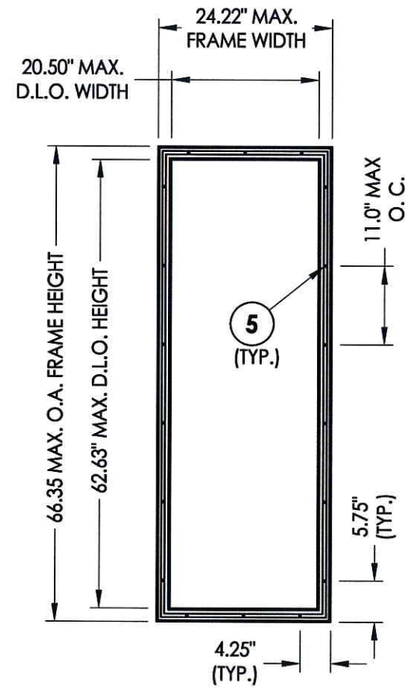




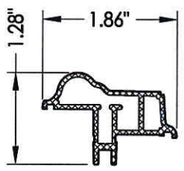
G1 **GLAZING DETAIL**



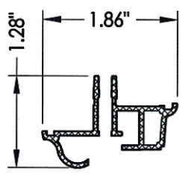
50 **SIDELITE PANEL**



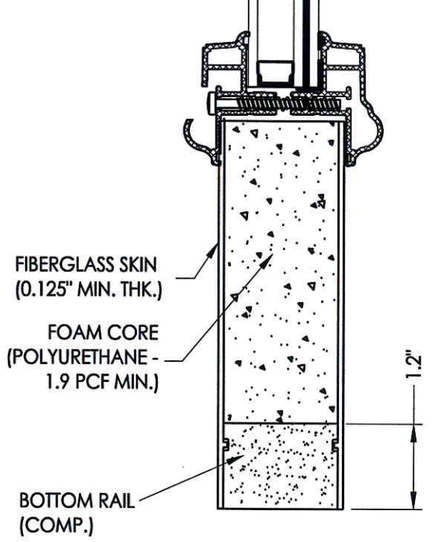
ODL LITE FRAME



3 **EXT. FRAME**



4 **INT. FRAME**



2/3 **VERTICAL CROSS SECTION**

STATE OF TEXAS
LYNDON F. SCHMIDT
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LICENSED PROFESSIONAL ENGINEER
3/12

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CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: WINCORE FIBERGLASS DOOR

PART OR ASSEMBLY: SIDELITE PANEL DETAILS

NO.	DATE	BY	REVISIONS

DATE: 05/30/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4163
SHEET 3 OF 12

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ELEVATION (XX)

ELEVATION (OXXO)

5.31.12

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

PRODUCT: *WINCORE FIBERGLASS DOOR*

PART OR ASSEMBLY: *ELEVATIONS*

NO.	DATE	BY

REVISIONS

DATE: 05/30/12
SCALE: N.T.S.
DWG. BY: JK
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DRAWING NO.: TX-4163
SHEET 4 OF 12

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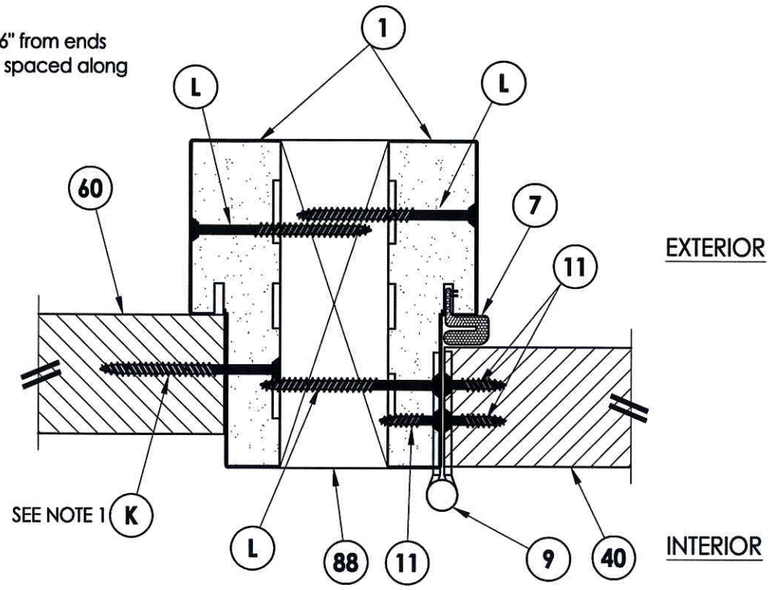
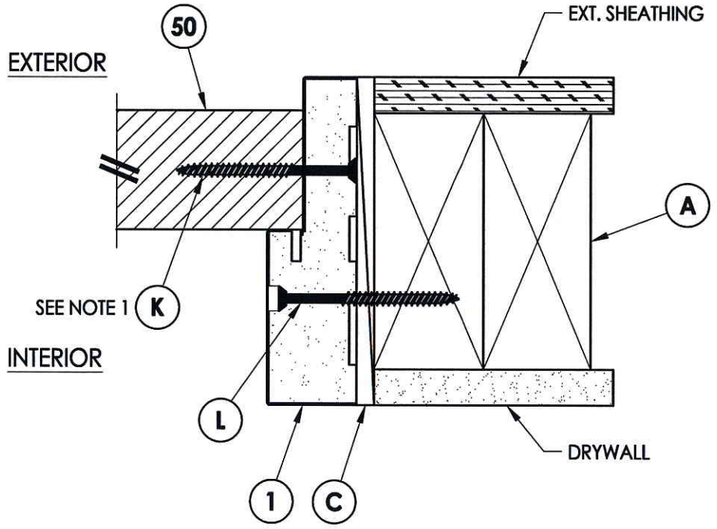
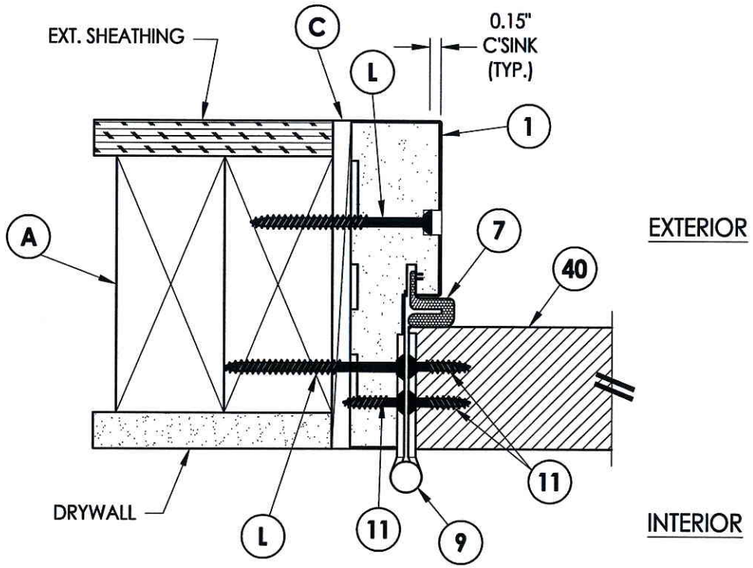
NOTE:
1. Spacing for item K: 6" from ends and 7 more equally spaced along sidelite (9 total).



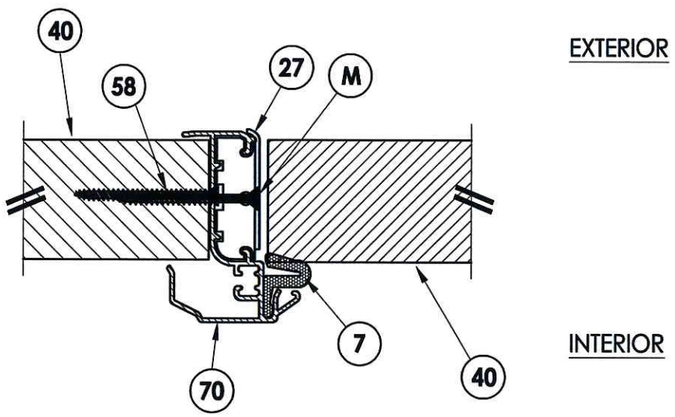
1/5 **HORIZONTAL CROSS SECTION**
Inswing shown - outswing also approved



2/5 **HORIZONTAL CROSS SECTION**
Outswing shown - Inswing also approved



4/5 **HORIZONTAL CROSS SECTION**
Inswing shown - outswing also approved



3/5 **HORIZONTAL CROSS SECTION**
Outswing shown - inswing also approved

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PROFESSIONAL ENGINEER
5-31-12

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CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: WINCORE FIBERGLASS DOOR

PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS

NO.	DATE	BY	REVISIONS

DATE: 05/30/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4163
SHEET 5 OF 12

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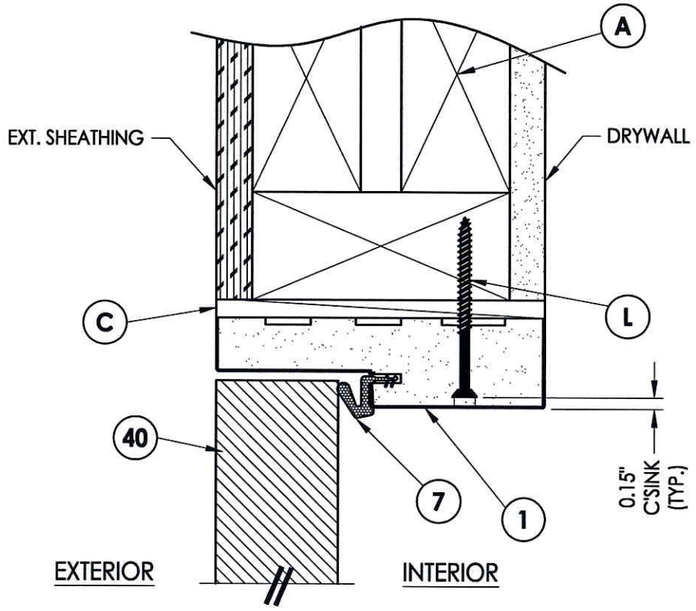
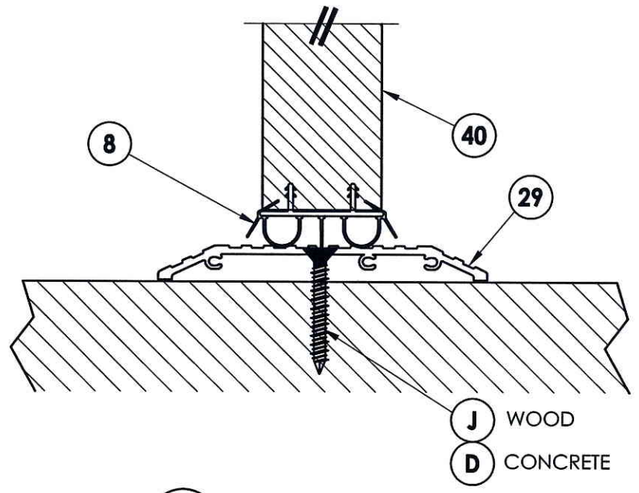
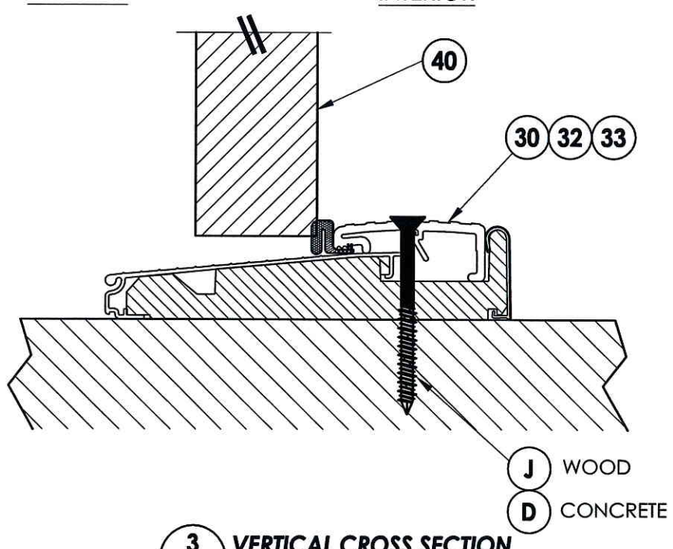


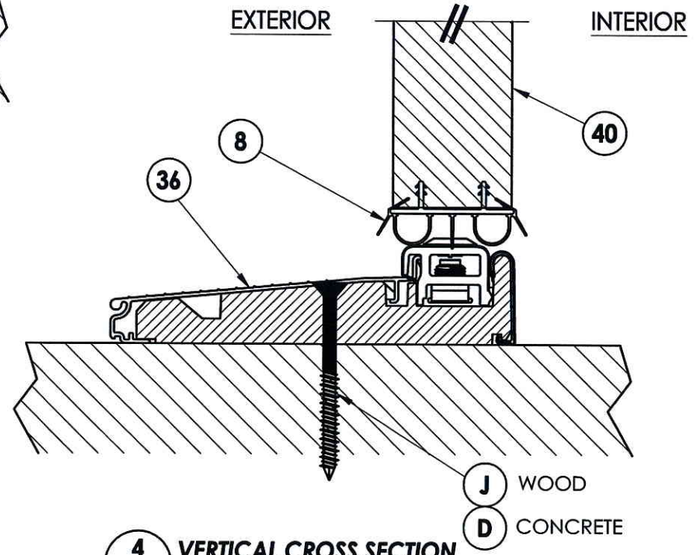
1/6 **VERTICAL CROSS SECTION**
Outswing shown - inswing also approved



2/6 **VERTICAL CROSS SECTION**
Shown w/ ADA threshold



3/6 **VERTICAL CROSS SECTION**
Outswing configuration



4/6 **VERTICAL CROSS SECTION**
Inswing configuration

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LICENSED PROFESSIONAL ENGINEER
5-31-12

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

PRODUCT: WINCORE FIBERGLASS DOOR

PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS	BY

DATE: 05/30/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4163
SHEET 6 OF 12

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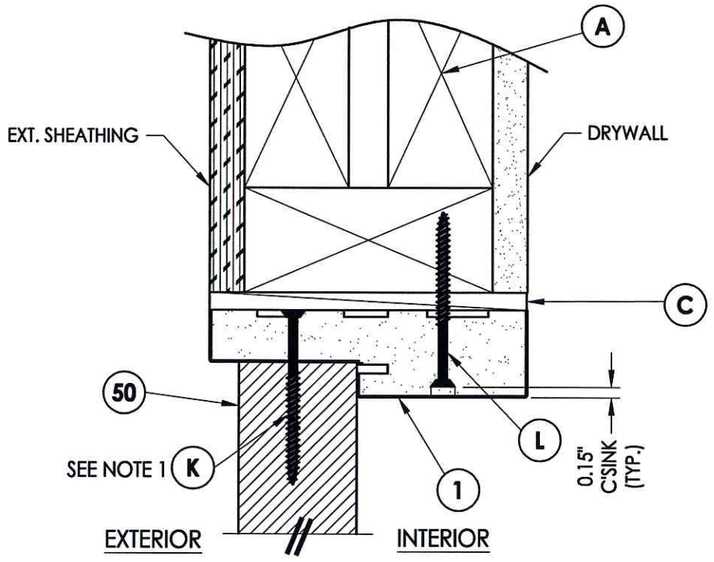
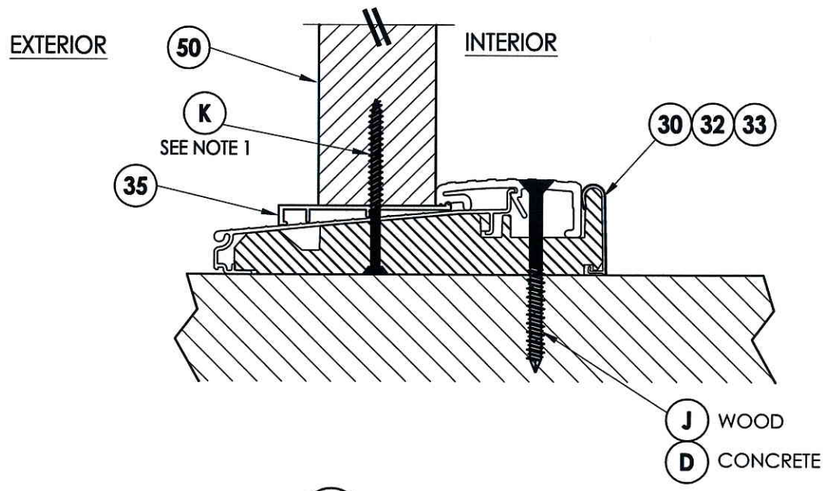
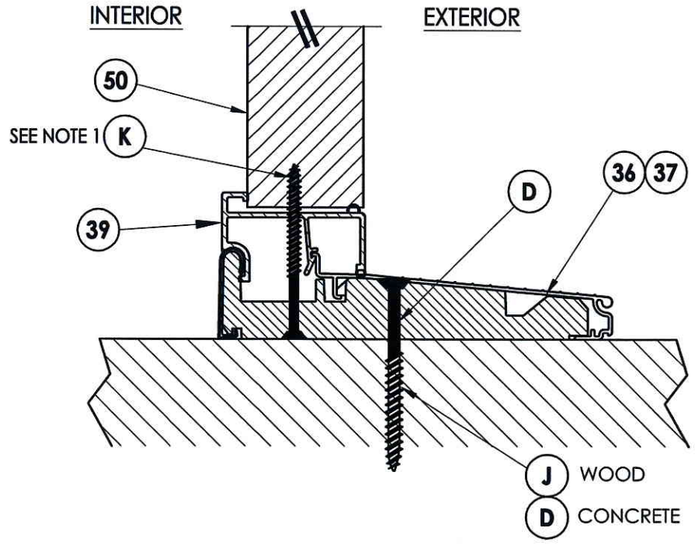


1/7 **VERTICAL CROSS SECTION**
Outswing shown - Inswing also approved



2/7 **VERTICAL CROSS SECTION**
Outswing shown



3/7 **VERTICAL CROSS SECTION**
Inswing shown

NOTE

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

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CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: WINCORE FIBERGLASS DOOR

PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

NO.	DATE	BY	REVISIONS

DATE: 05/30/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
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SHEET 7 OF 12

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MANUAL RAISED TONGUE GEAR SYSTEM

22 HOPPE MULTI-POINT LOCKSET
3-Point "Tongue"

23 MULTI-POINT STRIKE PLATE

25 LATCH AND DEADBOLT STRIKE PLATE
Tongue system

STRIKE JAMB

Documents Prepared By: Lyndon F. Schmidt, P.E.
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TEXAS BOARD OF PROFESSIONAL ENGINEERS
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PRODUCT: *WINCORE FIBERGLASS DOOR*

PART OR ASSEMBLY: *3-POINT LOCK DETAILS*

NO.	DATE	BY	REVISIONS

DATE: 05/30/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4163
SHEET 8 OF 12

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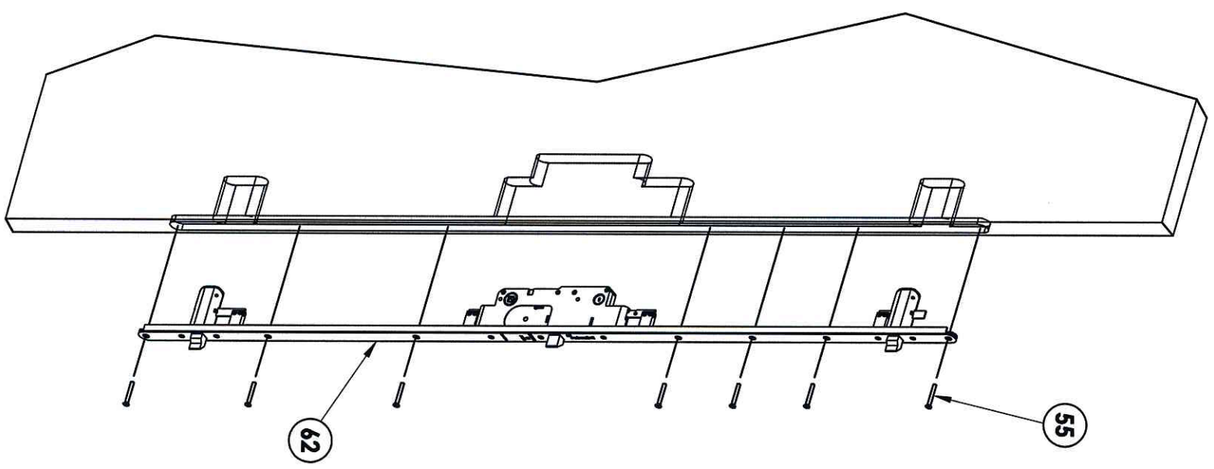
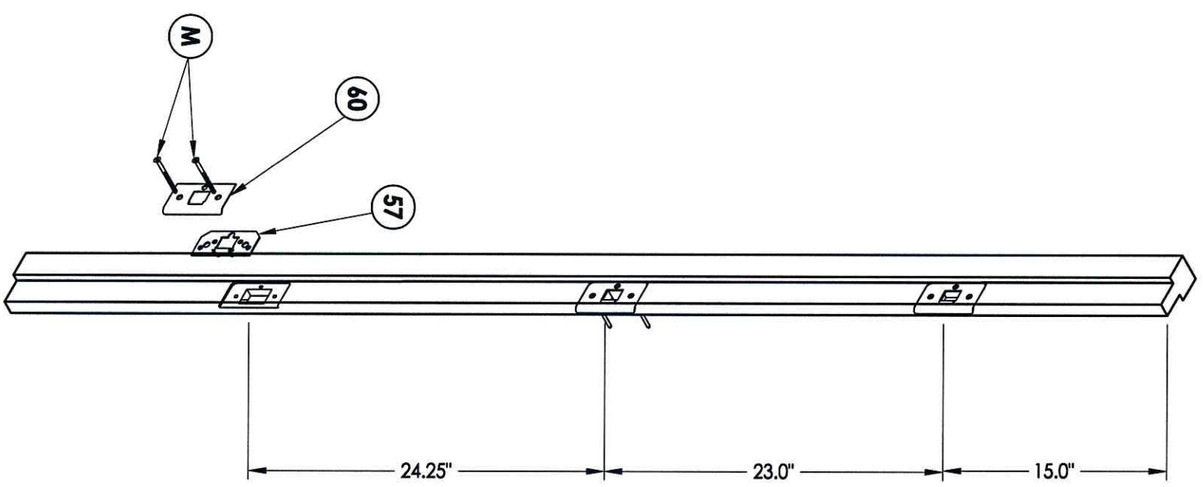
(59) **W & F TRILENNIUM 3000 SERIES**
3-Point Lock



ASTRAGAL STRIKE DETAIL



STATE OF TEXAS
LYNDON F. SCHMIDT
104123
LICENSED
PROFESSIONAL ENGINEER
5.31.12

SHEET	9 OF 12
DRAWING NO.:	TX-4163
CHK. BY:	LFS
DWG. BY:	JK
SCALE:	N.T.S.
DATE:	05/30/12

NO.	DATE		BY

REVISIONS

PRODUCT:
WINCORE FIBERGLASS DOOR

PART OR ASSEMBLY:
3-POINT LOCK DETAILS

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

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CERTIFICATE OF REGISTRATION # F-11852

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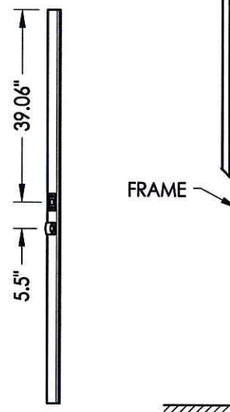
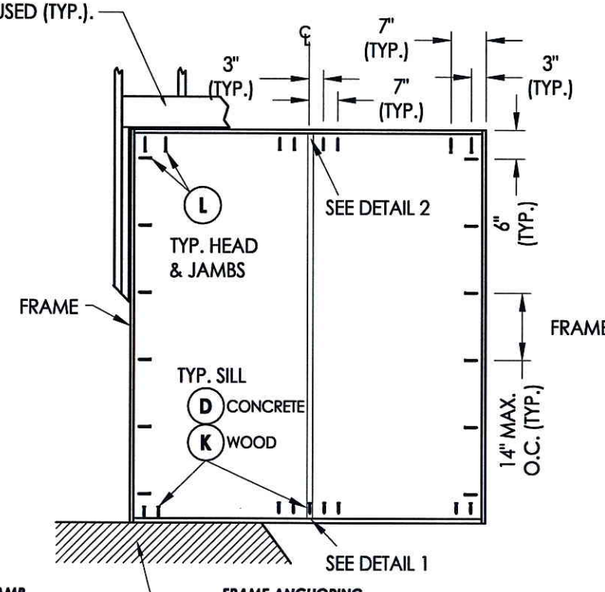
2X FRAMING TO BE DESIGNED BY THE ENGINEER OR ARCHITECT OF RECORD BASED ON WIND LOADS AND THE CLADDING BEING USED (TYP.).

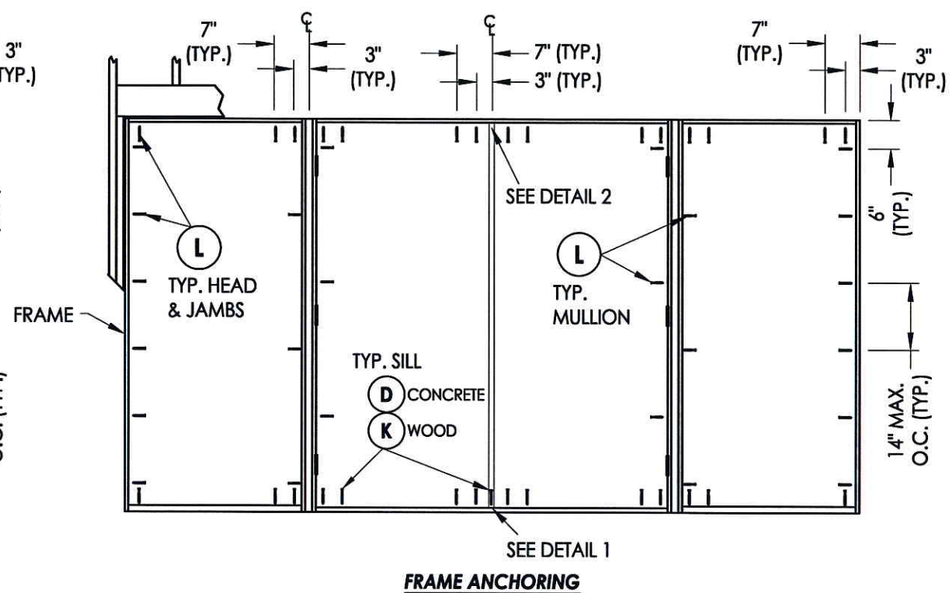


ASTRAGAL STRIKE JAMB

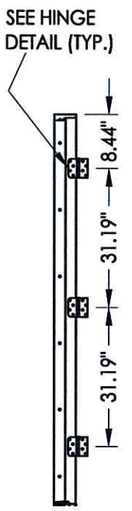


FRAME ANCHORING
XX

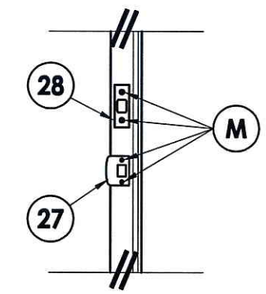
FLOOR SUBSTRATE MATERIAL (TYP.)
CONCRETE (MIN. 3000 PSI)
WOOD (G >= 0.55)



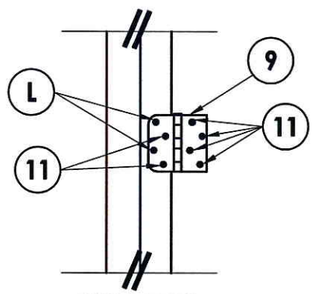
FRAME ANCHORING
OXXO



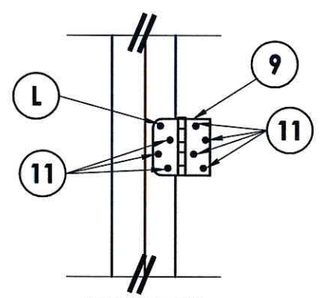
HINGE JAMB



LATCH & DEAD BOLT DETAIL



HINGE DETAIL
Inswing



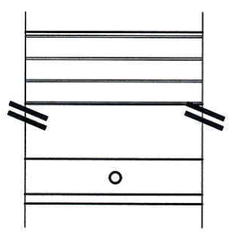
HINGE DETAIL
Outswing

CONCRETE ANCHOR NOTES:

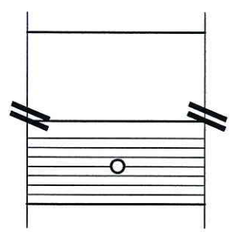
1. *Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints. Concrete anchor locations noted as "MAX. ON CENTER" must be*
2. *adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.*

Concrete anchor table:

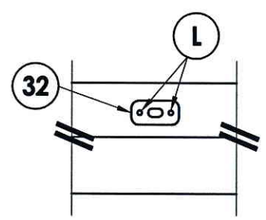
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2-1/2"	3"



DETAIL 1
Astragal throw bolts at the threshold (Inswing)



DETAIL 1
Astragal throw bolts at the threshold (Outswing)



DETAIL 2
Attach astragal throw bolt strike plate to frame as shown

STATE OF TEXAS
LYNDON F. SCHMIDT
104123
LICENSED PROFESSIONAL ENGINEER

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: *WINCORE FIBERGLASS DOOR*

PART OR ASSEMBLY: *FRAME ANCHORING*

NO.	DATE	BY
	REVISIONS	

DATE: 05/30/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4163
SHEET 10 OF 12

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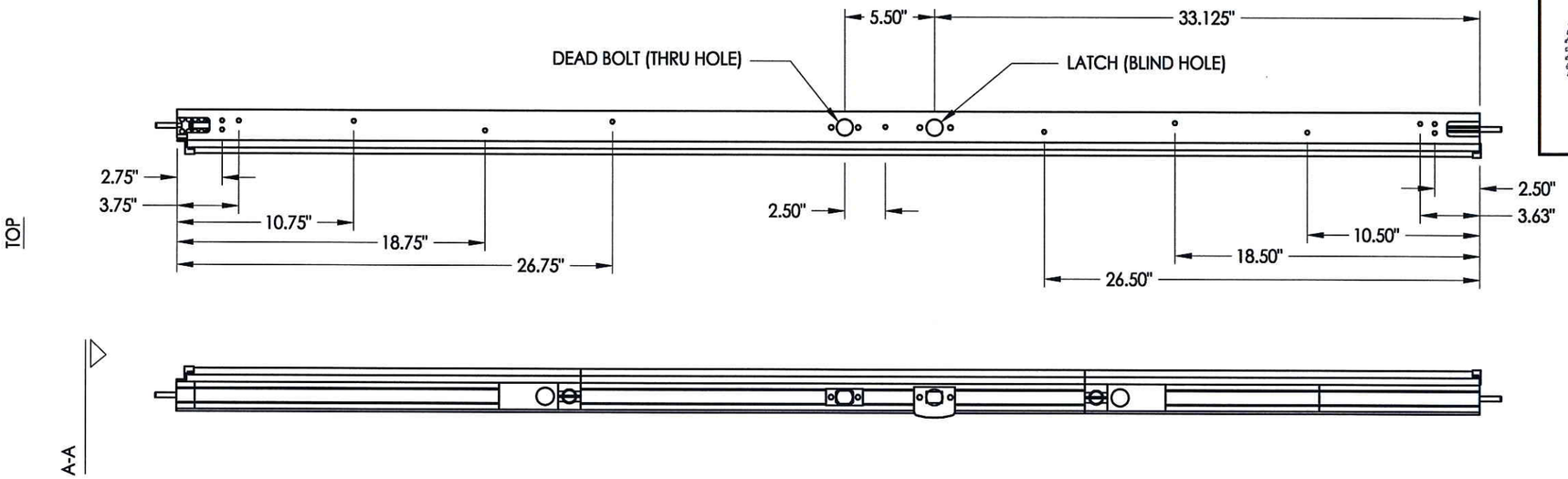
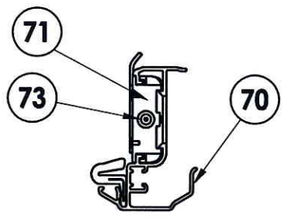
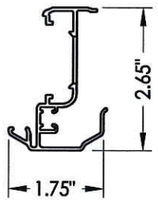


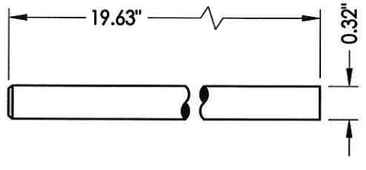
6'-8" ALUMINUM ASTRAGAL ASSEMBLY
By Endura



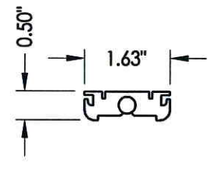
VIEW A-A
Aluminum Astragal Assembly



70 ALUMINUM ASTRAGAL
By Endura Product



73 SLIDE BOLT ROD
MATL: Steel



71 BOLT RETAINER
MATL: 9-3/4" Aluminum

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

PRODUCT: WINCORE FIBERGLASS DOOR

PART OR ASSEMBLY: ASTRAGAL DETAILS

NO.	DATE	BY	REVISIONS

DATE: 05/30/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4163
SHEET 11 OF 12

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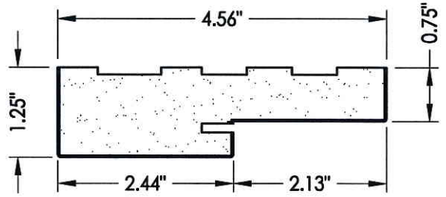
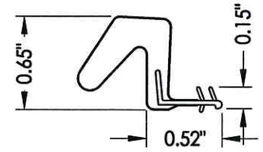
BILL OF MATERIALS

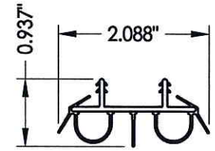
ITEM #	DESCRIPTION	MATERIAL
A	2X FRAMING (G >= 0.55)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" PFH ITW CONCRETE SCREW (1-3/4" MIN. EMB.)	STEEL
J	#10 X 3" PFH WOOD SCREW	STEEL
K	#9 X 2-1/2" PFH WOOD SCREW	STEEL
L	#8 X 2-1/2" PFH WOOD SCREW	STEEL
M	#8 X 1-1/2" PFH WOOD SCREW	STEEL
1	POLY FIBER JAMB	COMP. / VINYL
3	EXT. FRAME (ODL)	ALUM.
4	INT. FRAME (ODL)	ALUM.
5	#7-19 X 1-3/4" PPH SELF-DRILLING SMS	STEEL
7	WEATHERSTRIP	FOAM
8	DOOR BOTTOM SWEEP	VINYL
9	4" X 4" BUTT HINGE	STEEL
11	#9 X 3/4" PFH WOOD SCREW	STEEL
12	NON-STRUCTURAL SEALANT	SILICONE
13	STRUCTURAL SILICONE (DOW 995)	SILICONE
22	HOPPE - 3 POINT "TONGUE" MULTI-POINT LOCKSET	STEEL
23	MULTI-POINT STRIKE PLATE (TONGUE SYSTEM)	STEEL
25	LATCH AND DEADBOLT STRIKE PLATE (TONGUE SYSTEM)	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE (SECURITY)	STEEL
29	ADA THRESHOLD	ALUM
30	OUTSWING THRESHOLD	ALUM/WOOD
32	OUTSWING THRESHOLD	ALUM/WOOD
33	OUTSWING THRESHOLD	ALUM/COMP
35	OUTSWING SIDELITE ADAPTER	VINYL
36	INSWING THRESHOLD	ALUM/COMP
39	INSWING SIDELITE ADAPTER	VINYL
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
50	SIDELITE PANEL - SEE SIDELITE PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
55	#10 X 1-1/2" PFH SCREW	STEEL
57	BACKING PLATE	STEEL
58	#8 X 2" PFH WS	STEEL
59	W & F TRILENNIUM SERIES 3000 - 3 POINT LOCK	-
60	MULTI-POINT STRIKE PLATE	STEEL
62	LOCK ASSEMBLY	STEEL
70	ASTRAGAL BY ENDURA	ALUM
71	BOLT RETAINER (9-3/4")	ALUM
73	SLIDE BOLT ROD	STEEL
88	2X REINFORCEMENT SG >= 0.55	WOOD



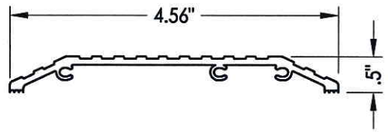
1 **POLY FIBER JAMB**
Plastpro



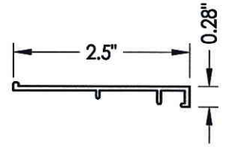
7 **WEATHERSTRIP**
Endura Force 5



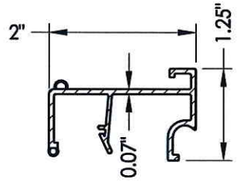
8 **DOOR BOTTOM SWEEP**



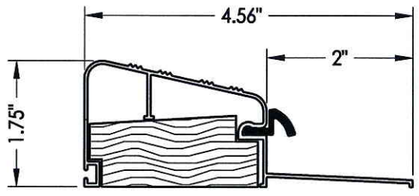
29 **ADA THRESHOLD**
DLP



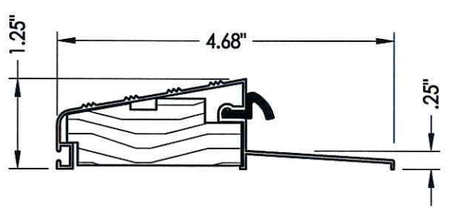
35 **OUTSWING SIDELITE ADAPTER**



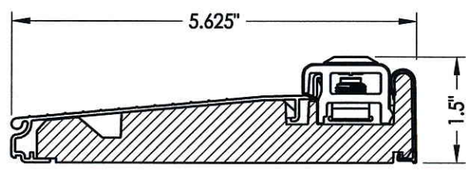
39 **INSWING SIDELITE ADAPTER**



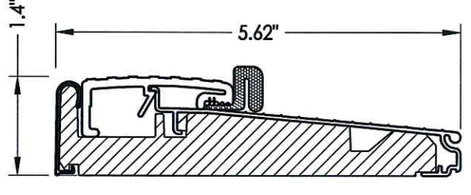
30 **OUTSWING THRESHOLD**
DLP (QOSR)



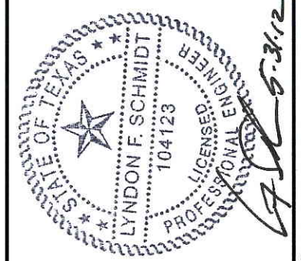
32 **OUTSWING THRESHOLD**
DLP (QOSH)



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



33 **OUTSWING THRESHOLD**
Endura (Z-Series)



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Phone No.: 813.659.9197

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

PRODUCT: WINCORE FIBERGLASS DOOR

PART OR ASSEMBLY: BILL OF MATERIALS

NO.	DATE	BY	REVISIONS

DATE: 05/30/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4163
SHEET 12 OF 12

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