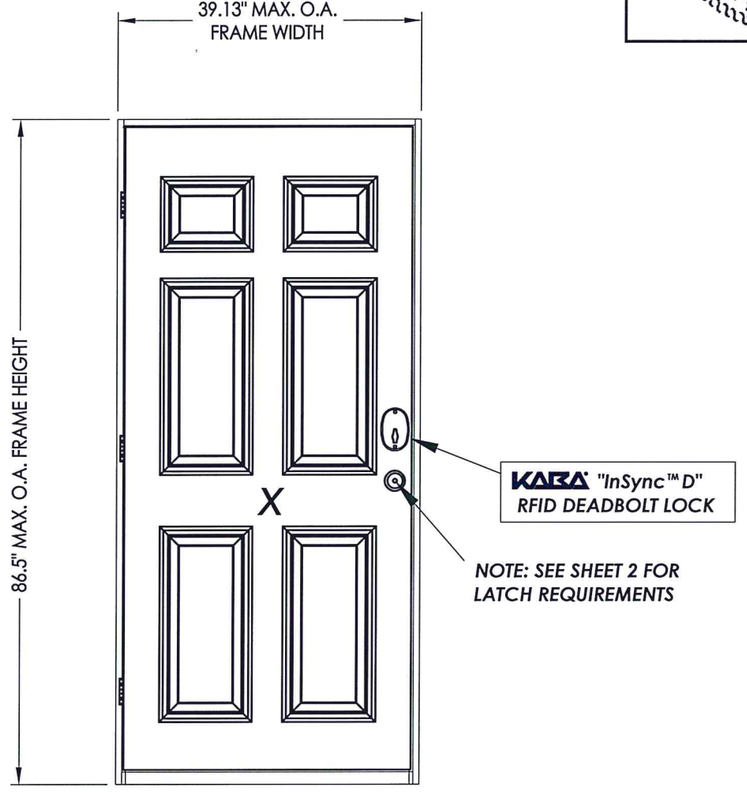
Kaba Access and Data Systems
2941 Indiana Avenue, Winston–Salem, NC 27105
Ph. 800.849.8324

"InSync™ D"
RFID DEADBOLT LOCK

in a
STEEL DOOR

INSWING / OUTSWING
"IMPACT"



EVALUATED FOR USE IN THE STATE OF TEXAS

The 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. 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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SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel details
3	Vertical cross sections
4	Horizontal cross section
5	Frame anchoring details (composite frame)
6	Frame anchoring details (steel frame)
7	Bill of materials and components

MAX FRAME DIMENSION	DOOR PANEL MANUFACTURER	SWING	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
37.75" x 84.5"	Therma-Tru	OUTSWING	+60.0	-60.0
39.13" x 86.5"	Taylor	INSWING	+65.0	-75.0
39.13" x 85.25"	Taylor	OUTSWING	+65.0	-65.0

STATE OF TEXAS
LYNDON F. SCHMIDT
104123
LICENSED
PROFESSIONAL ENGINEER

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: KABA RFID LOCK STEEL DOOR

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

NO.	DATE	REVISIONS	BY

DATE: 1/07/15
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX–4524
SHEET 1 OF 7

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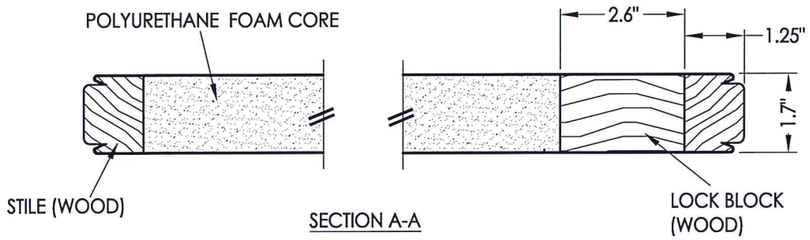
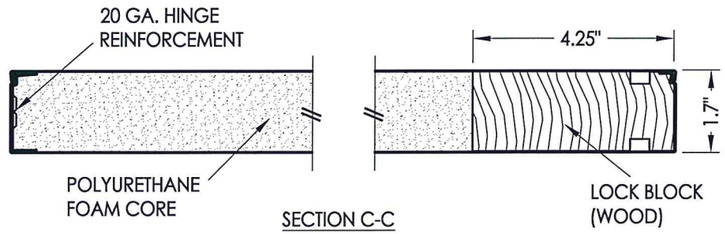
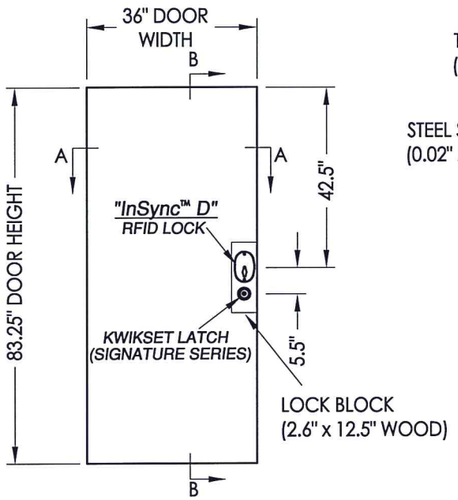


SECTION A-A

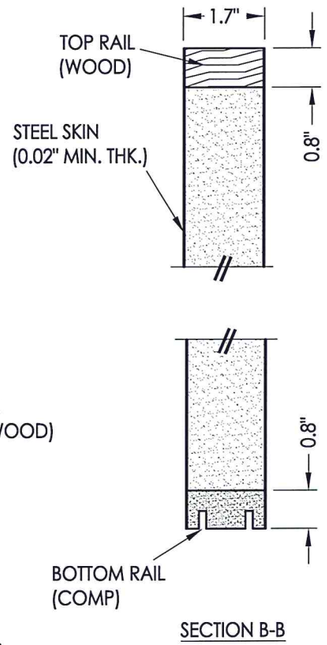


SECTION C-C

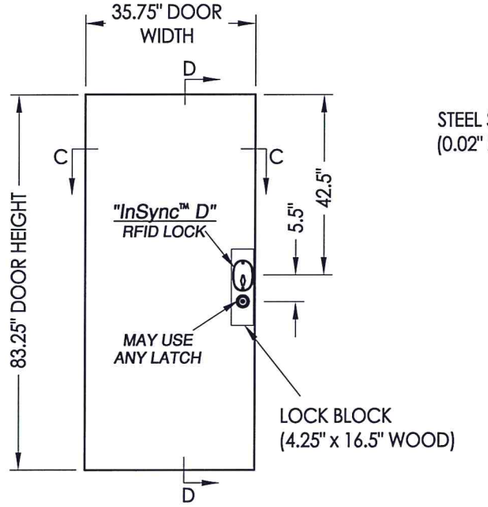


40 ***STEEL DOOR PANEL***
Therma-Tru 7' 0" (Wood Edge)

DOOR TESTED w/ KWIKSET SIGNATURE SERIES LATCH

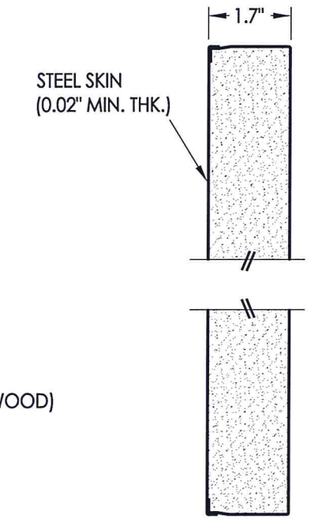


SECTION B-B



41 ***STEEL DOOR PANEL***
Taylor 7' 0" (Steel Edge)

DOOR TESTED WITHOUT LATCH - MAY USE ANY LATCH



SECTION D-D

STATE OF TEXAS
LYNDON F. SCHMIDT
104123
LICENSED
PROFESSIONAL ENGINEER

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: *KABA RFID LOCK STEEL DOOR*

PART OR ASSEMBLY: *DOOR PANELS DETAILS*

NO.	DATE	BY	REVISIONS

DATE: 1/07/15
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4524
SHEET 2 OF 7

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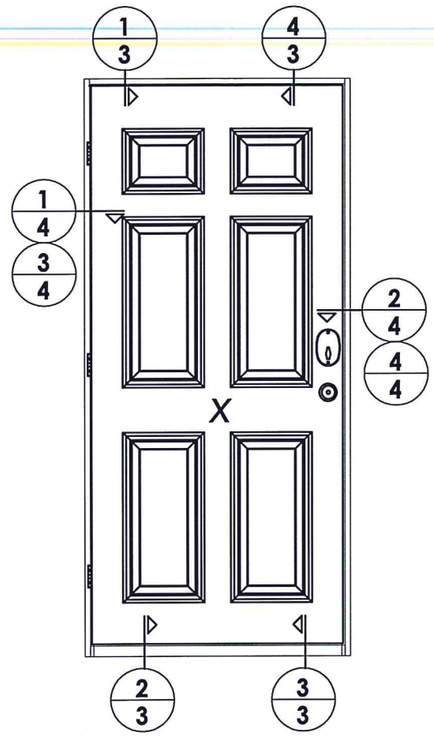
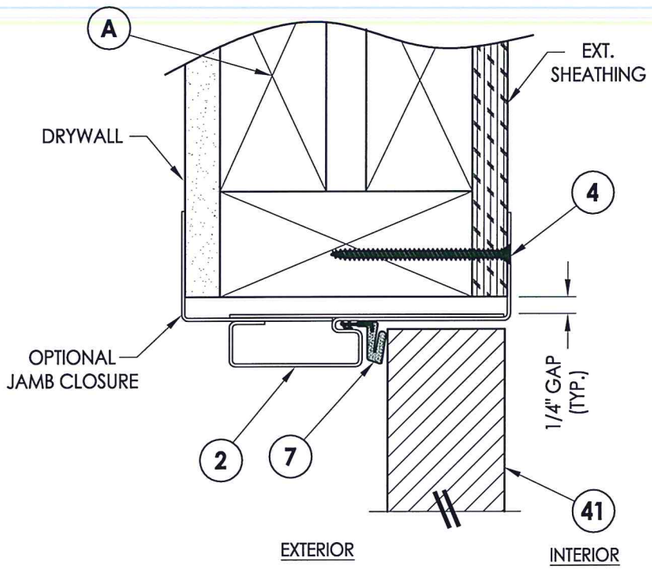
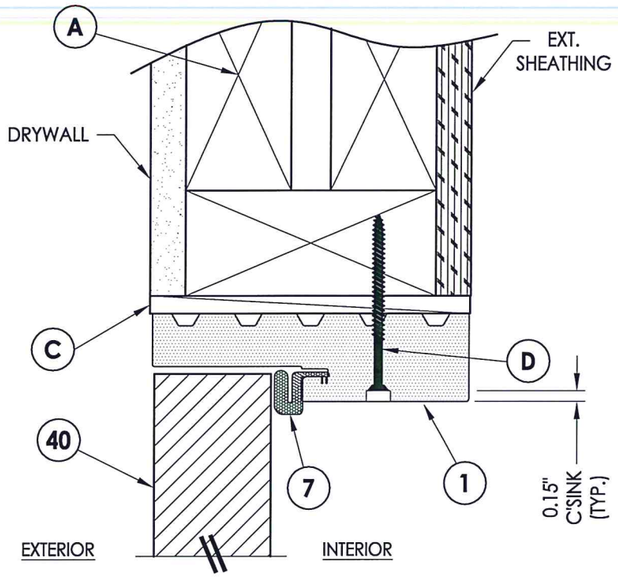


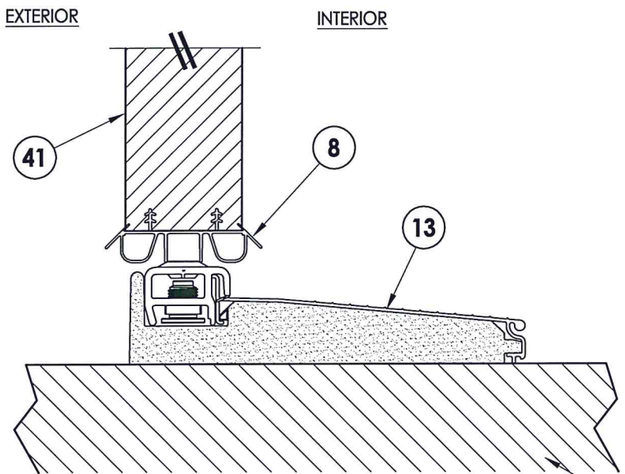
ELEVATION (X)



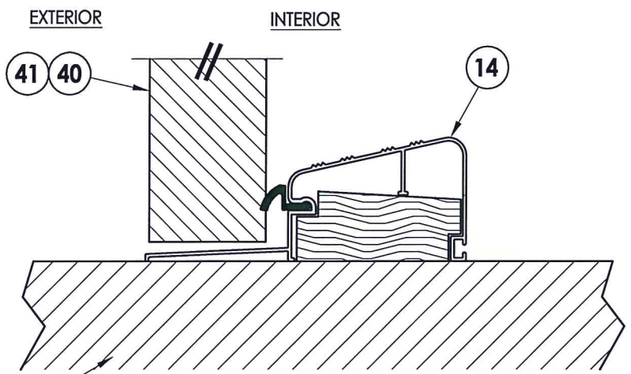
1/3 **VERTICAL CROSS SECTION**
Inswing shown (Outswing similar)



4/3 **VERTICAL CROSS SECTION**
Outswing shown



2/3 **VERTICAL CROSS SECTION**
Inswing configuration



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

STATE OF TEXAS
LYNDON F. SCHMIDT
104123
LICENSED PROFESSIONAL ENGINEER
11.18.15

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: KABA RFID LOCK STEEL DOOR

PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS	BY

DATE: 1/07/15
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4524
SHEET 3 OF 7

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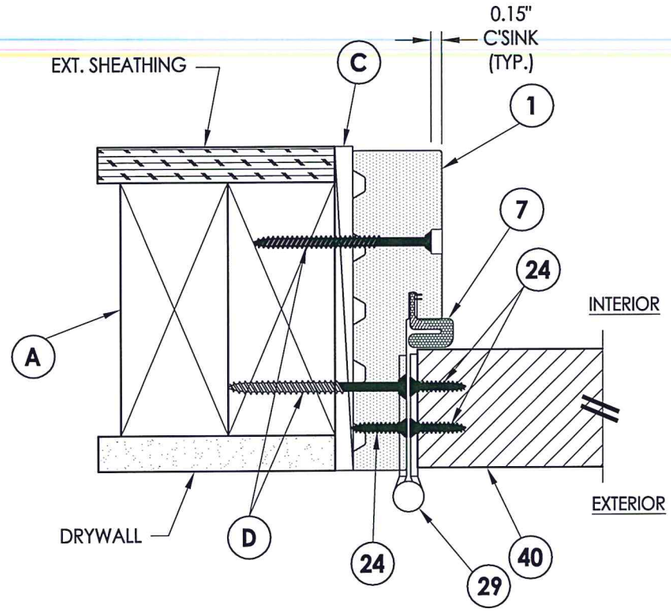
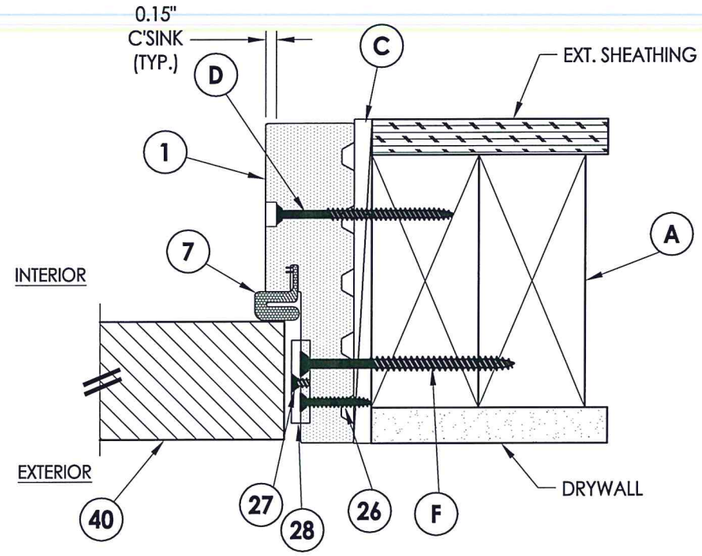
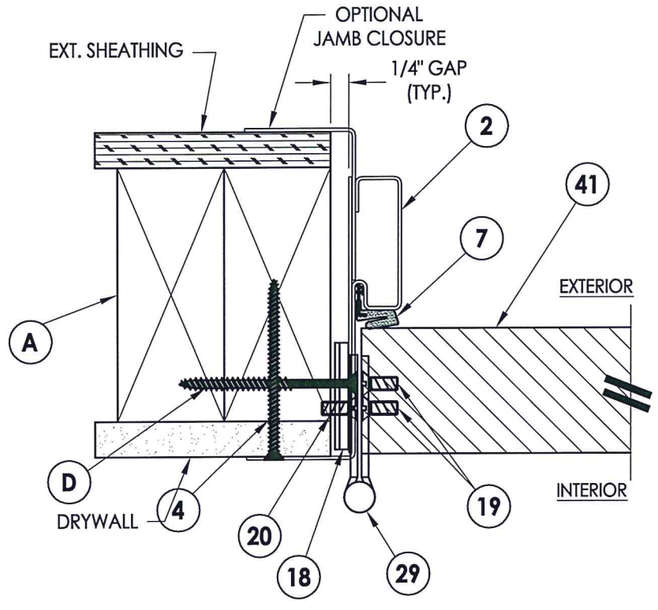


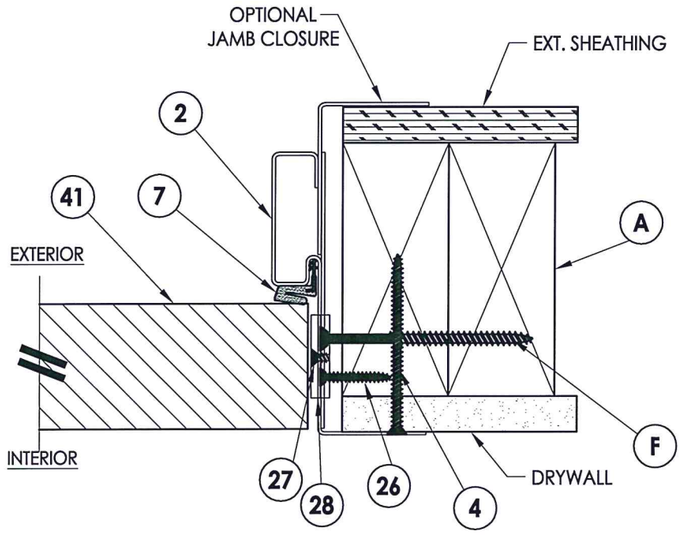
1/4 **HORIZONTAL CROSS SECTION**
Outswing shown



2/4 **HORIZONTAL CROSS SECTION**
Outswing shown



3/4 **HORIZONTAL CROSS SECTION**
Inswing shown (Outswing similar)



4/4 **HORIZONTAL CROSS SECTION**
Inswing shown (Outswing similar)

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LYNDON F. SCHMIDT
104123
LICENSED
PROFESSIONAL ENGINEER
7/18/15

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: KABA RFID LOCK STEEL DOOR

PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS

NO.	DATE	BY
REVISIONS		

DATE: 1/07/15
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4524
SHEET 4 OF 7

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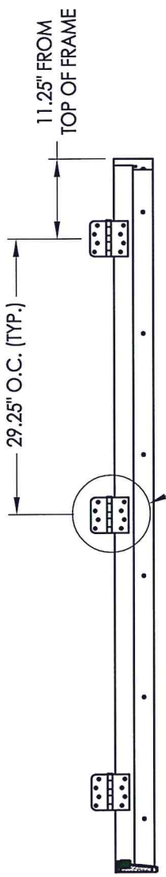
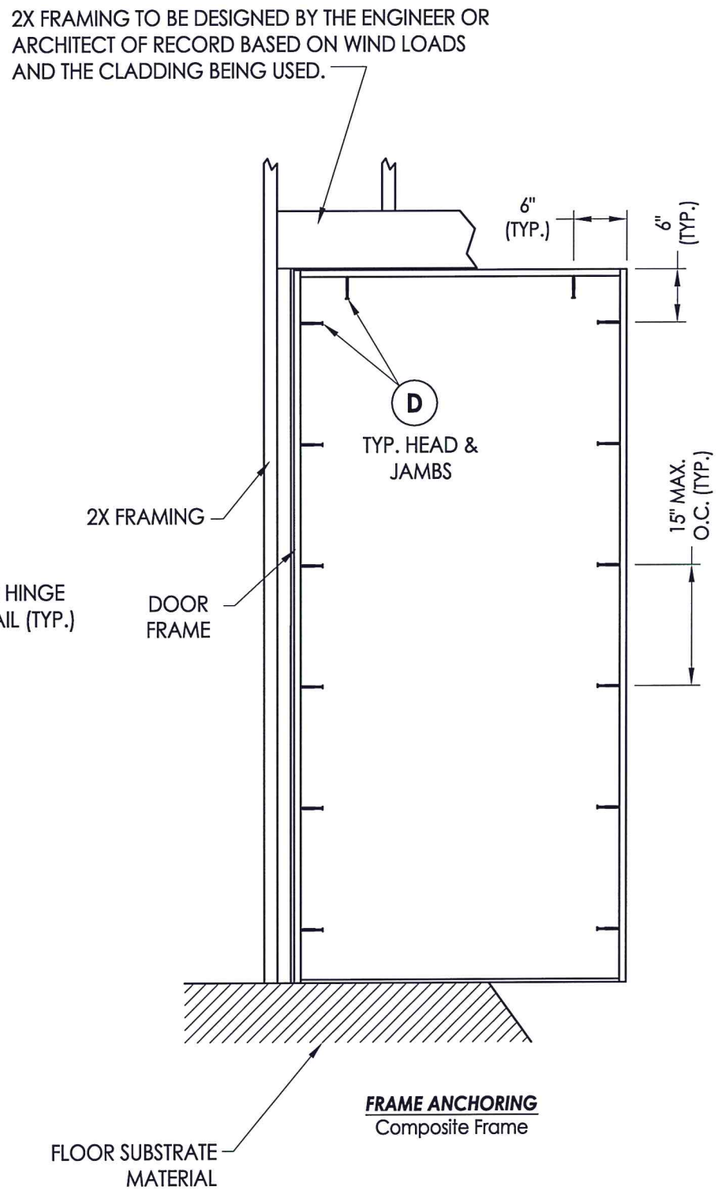
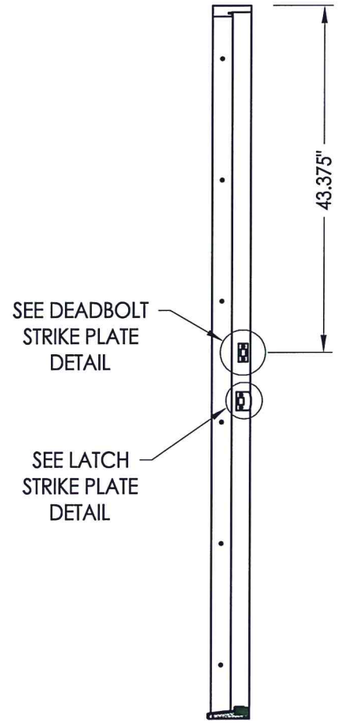


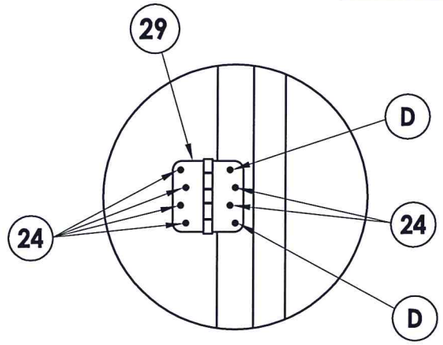
HINGE JAMB



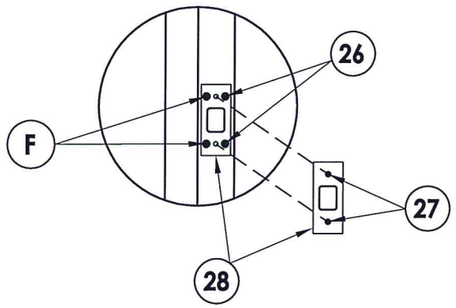
FRAME ANCHORING
Composite Frame



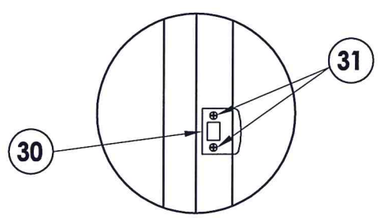
STRIKE JAMB



HINGE DETAIL



DEADBOLT STRIKE + REINFORCING PLATE DETAIL



LATCH STRIKE PLATE DETAIL

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: KABA RFID LOCK STEEL DOOR

PART OR ASSEMBLY: FRAME ANCHORING DETAILS (COMPOSITE FRAME)

NO.	DATE	REVISIONS	BY

DATE: 1/07/15
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4524
SHEET 5 OF 7

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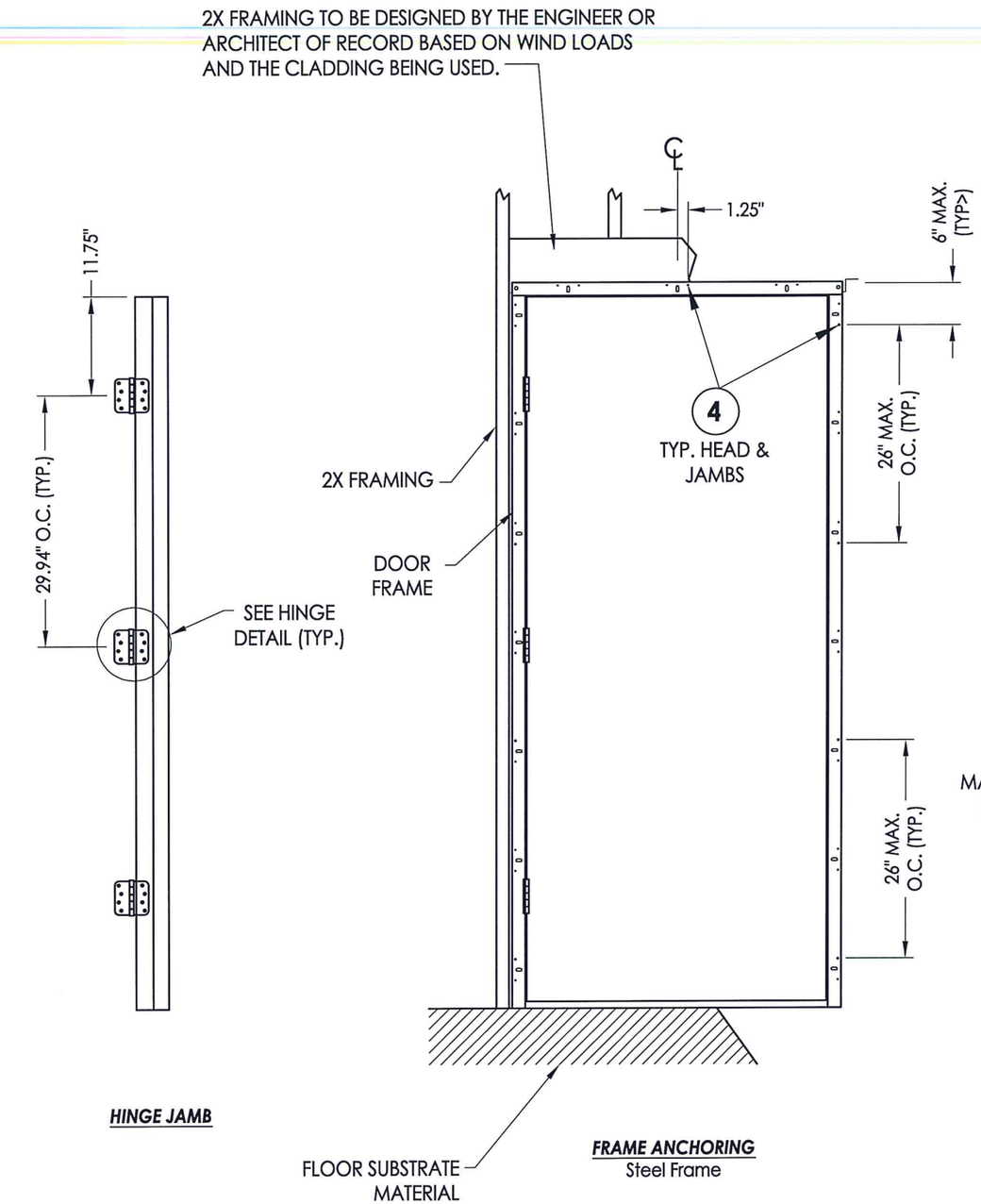
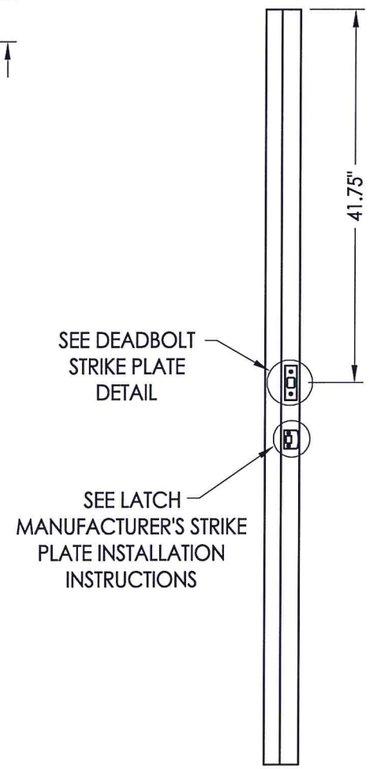
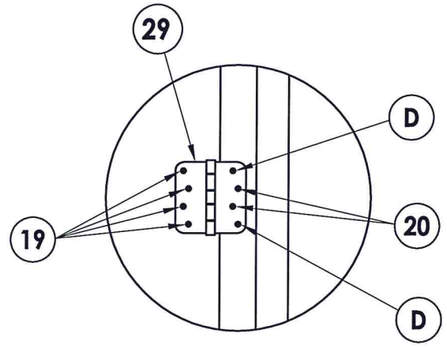


HINGE JAMB

FRAME ANCHORING
Steel Frame



STRIKE JAMB



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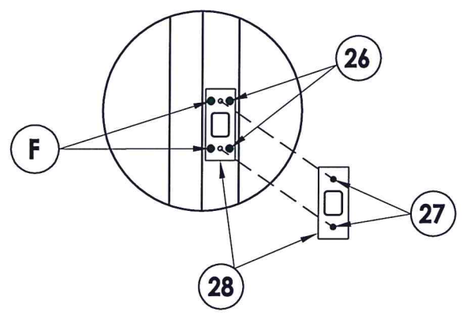

DEADBOLT STRIKE + REINFORCING PLATE DETAIL

STATE OF TEXAS
LYNDON F. SCHMIDT
104123
LICENSED PROFESSIONAL ENGINEER

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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: *KABA RFID LOCK STEEL DOOR*

PART OR ASSEMBLY: *FRAME ANCHORING DETAILS (STEEL FRAME)*

NO.	DATE	REVISIONS	BY

DATE: 1/07/15
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4524
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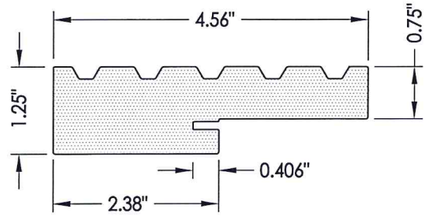
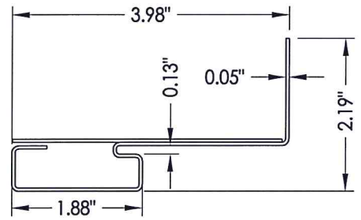
BILL OF MATERIALS

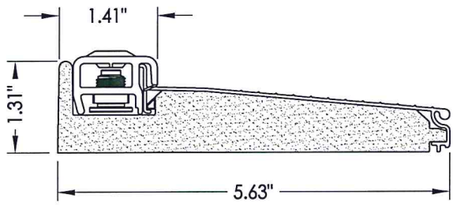
ITEM #	DESCRIPTION	MATERIAL
A	2X FRAMING (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
F	#10 X 3" PFH WOOD SCREW	STEEL
1	COMPOSITE JAMB	COMP
2	EXTERIOR FRAME	STEEL
4	#8 X 2-1/2" SMS (2" MIN. EMBEDMENT)	STEEL
7	WEATHERSTRIP (Q-LON)	FOAM
8	SWEEP	VINYL
13	INSWING THRESHOLD	ALUM/COMP
14	OUTSWING THRESHOLD	ALUM/COMP
18	HINGE REINFORCEMENT (0.12" MIN. THICKNESS)	STEEL
19	#10-24 X 5/8" PFH MACHINE SCREW	STEEL
20	#10-24 X 1/2" PFH MACHINE SCREW	STEEL
23	#10 X 1-1/2" PPH SMS	STEEL
24	#10 x 3/4" PFH SMS	STEEL
26	#8 x 1" PFH WOOD SCREW	STEEL
27	#8-32 x 7/8" MACHINE SCREW	STEEL
28	DEADBOLT STRIKE + REINFORCING PLATE	STEEL
29	4" X 4" HINGE	STEEL
30	LATCH STRIKE PLATE	STEEL
31	#8 x 2" PFH WOOD SCREW	STEEL
40	DOOR PANEL (THERMA-TRU)	-
41	DOOR PANEL (TAYLOR)	-



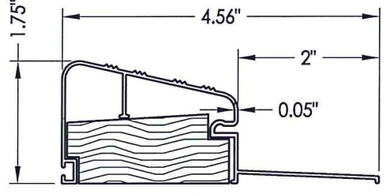
1 COMPOSITE JAMB
"4EVER" (WORLDWIDE)



2 EXTERIOR FRAME



13 INSWING THRESHOLD
Endura (Z-FEN Series)



14 OUTSWING THRESHOLD
DLP

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

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

PRODUCT: KABA RFID LOCK STEEL DOOR

PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS

REVISIONS

NO.	DATE	BY

DATE: 1/07/15
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4524
SHEET 7 OF 7

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