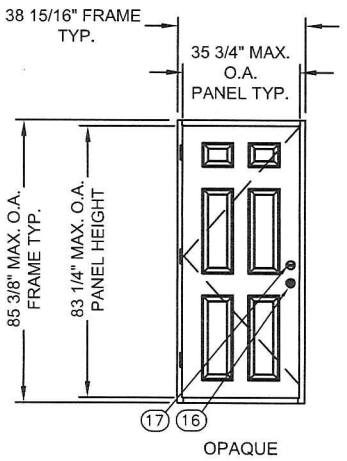
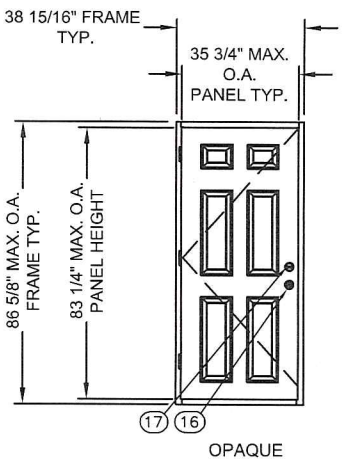
JELD-WEN DOOR
INSTALLATION DETAILS
CONTOURS PREMIUM STEEL OPAQUE PANEL
IN DUNBARTON REDI-FLEX 90 MIN. STEEL FRAME
UP TO 3'-0" X 7'-0"
OUTSWING/INSWING

GENERAL NOTES

1. THIS PRODUCT IS DESIGNED TO COMPLY WITH CURRENT INTERNATIONAL BUILDING CODE (I.B.C.) & INTERNATIONAL RESIDENTIAL CODE (I.R.C.) AND THE CURRENT FLORIDA BUILDING CODES (FBC) AND TDI 2006 TEXAS REVISIONS, EFFECTIVE JANUARY 1, 2008 BASED ON THE SIGNED AND SEALED DATE. PRODUCT HAS TESTED TO: TAS 201-94, TAS 202-94, TAS 203-94, ASTM E1886-06, E1996-06, E283-04, E330-02, E331-00 AND AAMA 1304-02. PRODUCT MEETS "HIGH VELOCITY HURRICANE ZONE" (HVHZ) REQUIREMENTS.
2. 1X AND 2X WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE. WOOD BUCKS MUST HAVE A SPECIFIC GRAVITY OF 0.42 OR GREATER.
3. PRODUCT ANCHOR TYPES AND SPACING ARE SHOWN ON SHEET 6. DIMENSIONS SHOWN FOR ANCHOR SPACING ARE ALWAYS FROM EDGE OF UNIT FRAME. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
4. THIS DOCUMENT SUPERCEDES OTHER ANCHOR INSTALLATION INSTRUCTIONS FOR IMPACT RATED DOORS. FOR OTHER IMPORTANT INSTALLATION INSTRUCTIONS, REFER TO JELD-WEN DOCUMENT #JII106 (INSTALLATION INSTRUCTIONS FOR PRE-HUNG ENTRY DOORS) FOUND ON THE JELD-WEN WEBSITE: *JELD-WEN.COM/LEARN/RESOURCES/INSTALLATION & FINISHING/.*
5. FOR DESIGN PRESSURE RATINGS, SEE TABLE 1, SHEET 1.



3-0 X 7-0 OUTSWING ELEVATION
SINGLE (X)

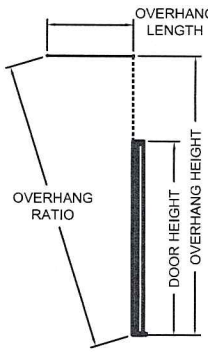


3-0 X 7-0 INSWING ELEVATION
SINGLE (X)

Item	COMPONENT LIST	Material
1	REDIFLEX FRAME HINGE JAMB 16GA STEEL (BY DUNBARTON)	STEEL
2	REDIFLEX FRAME HEAD JAMB 16GA STEEL (BY DUNBARTON)	STEEL
3	REDIFLEX FRAME LATCH JAMB 16GA STEEL (BY DUNBARTON)	STEEL
4	REDIFLEX FRAME HEADER CLOSURE 18GA. STEEL (BY DUNBARTON)	STEEL
5	#10 PHILLIPS FLATHEAD WOOD SCREW WITH 1 1/2" MIN. EMBEDMENT	STEEL
6	#8 X 2" PHILLIPS FLATHEAD WOOD SCREW	STEEL
7	COMPRESSION WEATHERSTRIP (Q-LON QEBD-650)	VINYL
8	AFCO OUTSWING THRESHOLD # A-117-FR 6063-T6	AL/composite
9	#9 X 3/4 PHILLIPS FLATHEAD WOOD SCREW	STEEL
10	#10-24 X 1/2" PHILLIPS FLATHEAD MACHINE SCREW	STEEL
11	3/16" ITW TAPCON ANCHOR WITH 1 1/4" MIN. EMBEDMENT	STEEL
12	AFCO INSWING THRESHOLD # P-2000 F 6063-T6	AL/composite
13	VINYL DOOR BOTTOM SWEEP BY AFCO #DD-354-FR	VINYL
14	4" x 4" BUTT STANDARD HINGE 13GA STEEL (.085" MIN)	STEEL
15	4" x 4" BUTT SPRING HINGE 12GA STEEL (.105" MIN)	STEEL
16	SCHLAGE A53PD PASSAGE LOCK OR EQUIVELENT UTILIZING ANSI - A156.5 GRADE 2 AND UL10B 3-HOUR FIRE RATINGS	STEEL
17	SCHLAGE B560P DEAD BOLT LOCK OR EQUIVALENT UTILIZING ANSI - A156.5 GRADE 2 AND UL10B 3-HOUR FIRE RATINGS	STEEL
A 18	#8-32 X 3/8" PHILLIPS FLATHEAD MACHINE SCREW (ITEM NOT USED)	STEEL
19	#6 X 1 1/4" PHILLIPS FLATHEAD WOOD SCREW	STEEL
20	#10 X 3/4" SELF DRILLING SCREW	STEEL
A 21	SSMA STUD 550S162-54 (ITEM NOT USED)	STEEL
22	2x WOOD BUCK: S.G. >= 0.42 SPRUCE/PINE/FIR (S.P.F.)	WOOD
A 23	ENDURA ADA THRESHOLD (ITEM NOT USED)	ALUMINUM
A 24	#9 X 2 1/2" PHILLIPS FLATHEAD WOOD SCREW	STEEL
A 25	#8 X 2" PHILLIPS FLATHEAD WOOD SCREW	STEEL
26	CORNER PADS 2", (NOT SHOWN) LOCATED AT THE BOTTOM OF EACH JAMB LEG, SITTING ON TOP OF THE SILL, BEHIND THE WEATHERSTRIP	PLASTIC

TABLE 1

SIZE		QUALIFIES: OPAQUE IMPACT
MAX. PANEL WIDTH = 36"		6'-9" TALL SYSTEMS:
		STD. AFCO SILL (X)
OUTSWING	POSITIVE	+ 66**
	NEGATIVE	- 66**
INSWING	POSITIVE	+ 66*
	NEGATIVE	- 66*



* NOTE: INSWING AND/OR ADA SILL PRODUCT HAS NOT BEEN RATED FOR WATER INFILTRATION. IF AUTHORITY HAVING JURISDICTION REQUIRES THAT PRODUCT MEETS THIS REQUIREMENT, PRODUCT SHALL BE USED WHEN INSTALLED AT LOCATION PROTECTED BY OVERHANG SUCH THAT OVERHANG (OH) RATIO = OH LENGTH ÷ OH HEIGHT IS ≧ 1.0

** OUTSWING PRODUCT MEETS WATER INFILTRATION AT DP55 (8.25 psf)

SHEET INDEX	
SHEET #	DESCRIPTION
1	GENERAL NOTES, B.O.M., ELEVATIONS & ANCHOR LOCATIONS
2	OUTSWING VERTICAL AND HORIZONTAL SECTIONS IN WOOD
3	OUTSWING VERT. AND HORIZ. SECTIONS IN MASONRY/CONCRETE
4	INSWING VERTICAL AND HORIZONTAL SECTIONS IN WOOD
5	INSWING VERT. AND HORIZ. SECTIONS IN MASONRY/CONCRETE
6	OUTSWING AND INSWING ANCHORING DETAILS

JELD-WEN WINDOWS & DOORS
3737 Lakeport Blvd.
Klamath Falls, Oregon 97601
Ph. (541) 882-3451
Fax (541) 850-2609

PRODUCT: STEEL S.E. IMPACT OPAQUE 90 MIN. WITH DUNBARTON REDI-FLEX FRAME 3'-0" X 7'-0"

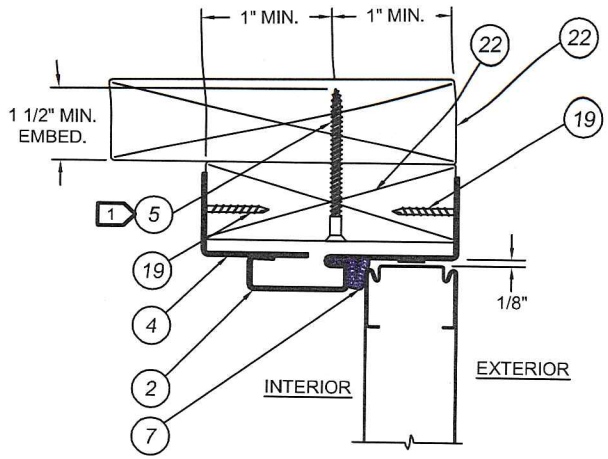
PART OR ASSEMBLY: GENERAL NOTES, DP RATINGS AND B.O.M.

NO.	DATE	DESCRIPTION	BY
A	7/23/13	Hinge and Latch screws in 2X Wood changed to wood screws from mach.screws. Removed items 18, 21 & 23.	GL

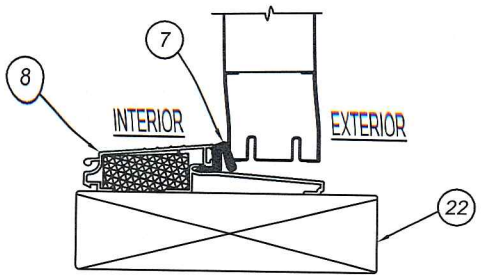
REVISIONS

STATE OF TEXAS
ALEXIS SPYROU
102957
LICENSED
PROFESSIONAL ENGINEER
ALEXIS SPYROU
TEXAS P.E. NO. 102957
398 DANIA BEACH BLVD. STE. 338
DANIA BEACH, FL 33004
TBPE FIRM NO. 13734

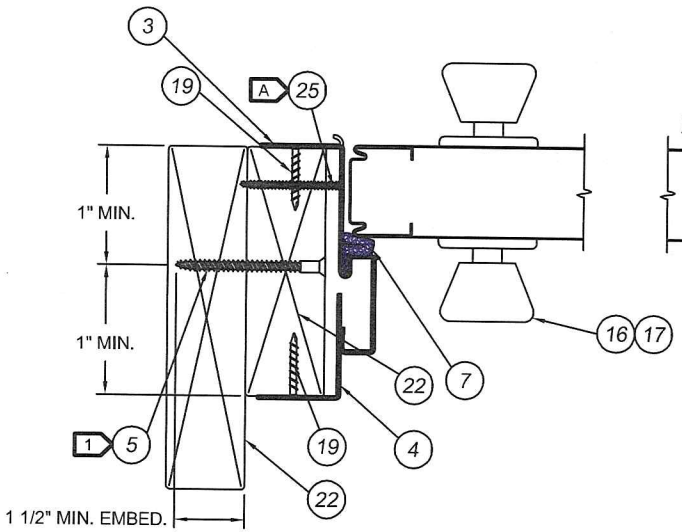
DATE: 11/20/2012
SCALE: NONE
DWG. BY: G.LUBBECKE
CHK. BY: S.SAFFELL
DRAWING NO.: A008267-TX-A
SHEET 1 OF 6



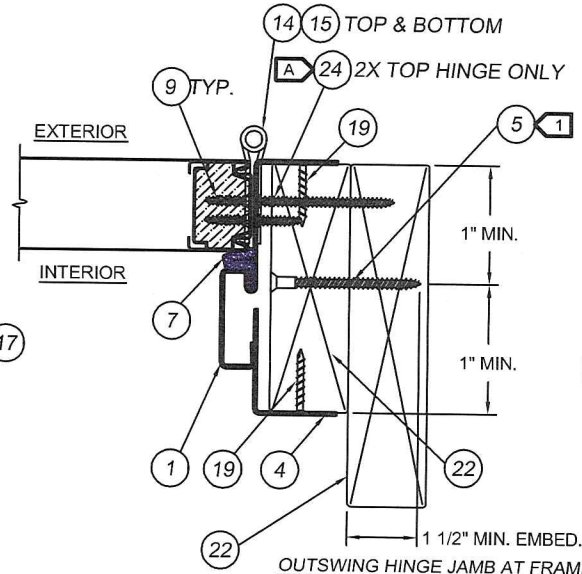
OUTSWING OPERATING UNIT
VERTICAL CROSS SECTION
2X WOOD BUCK AT HEAD JAMB



OUTSWING OPERATING UNIT
VERTICAL CROSS SECTION
AFCO SILL



OUTSWING LATCH JAMB AT FRAME
HORIZONTAL CROSS SECTION
2X WOOD BUCK



OUTSWING HINGE JAMB AT FRAME
HORIZONTAL CROSS SECTION
2X WOOD BUCK

NOTES:
1. FOR PLACEMENT OF ITW TAPCON ANCHORS IN 2X BUCK IN CONCRETE/MASONRY OPENINGS, SEE SHEET 3

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PART OR ASSEMBLY: OUTSWING VERTICAL & HORIZONTAL SECTIONS IN WOOD

NO.	DATE	DESCRIPTION	BY
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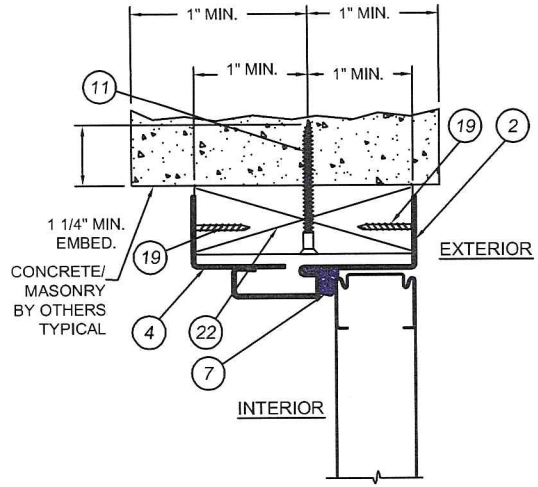
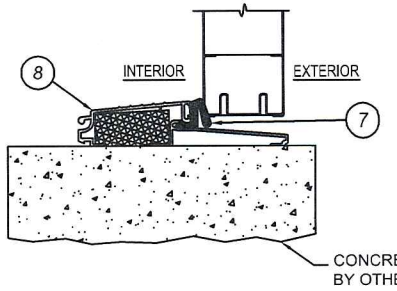
REVISIONS

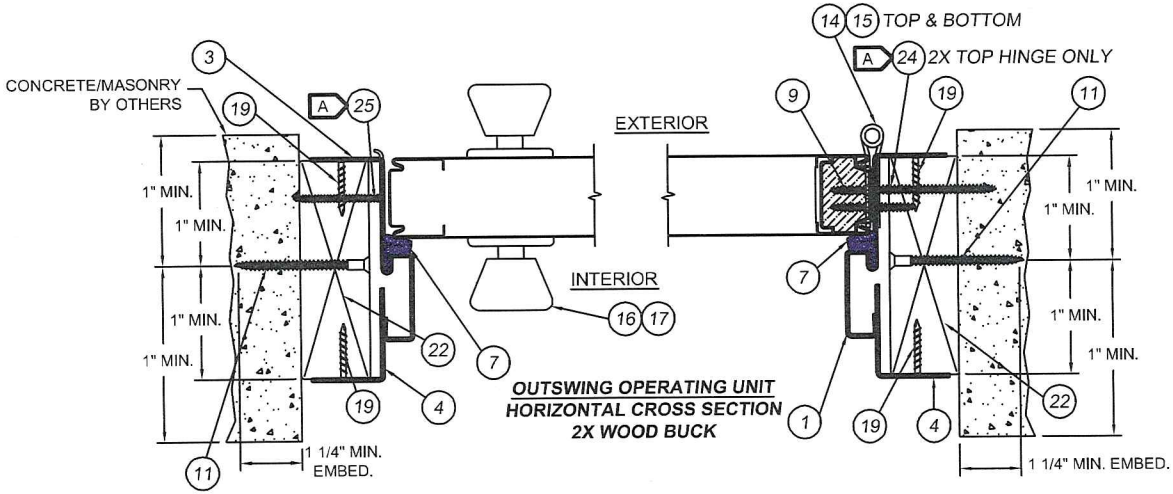
DATE: 11/20/2012
SCALE: NONE
DWG. BY: G.LUBBECKE
CHK. BY: S.SAFFELL
DRAWING NO.: A008267-TX-A
SHEET 2 OF 6



OUTSWING OPERATING UNIT
VERTICAL CROSS SECTION
HEAD JAMB



OUTSWING OPERATING UNIT
VERTICAL CROSS SECTION
AFCO SILL



OUTSWING OPERATING UNIT
HORIZONTAL CROSS SECTION
2X WOOD BUCK

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PART OR ASSEMBLY:
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REVISIONS

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CHK. BY: S.SAFFELL
DRAWING NO.: A008267-TX-A
SHEET 3 OF 6

STATE OF TEXAS
ALEXIS SPYROU
102957
LICENSED
PROFESSIONAL ENGINEER

7.23.13

ALEXIS SPYROU
TEXAS P.E. NO. 102957
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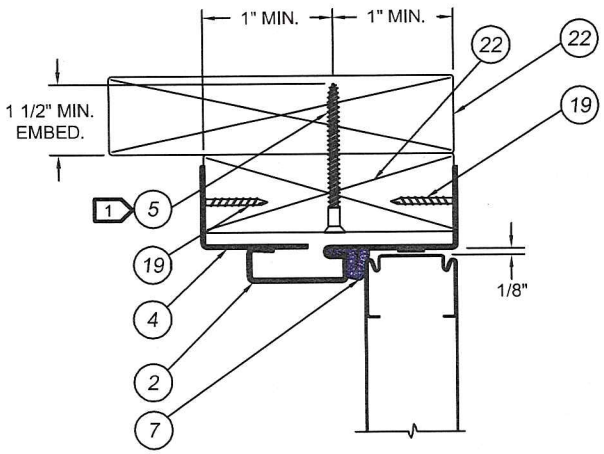
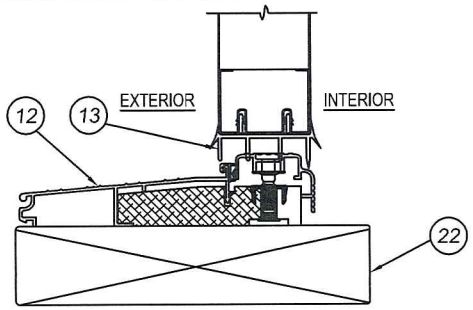
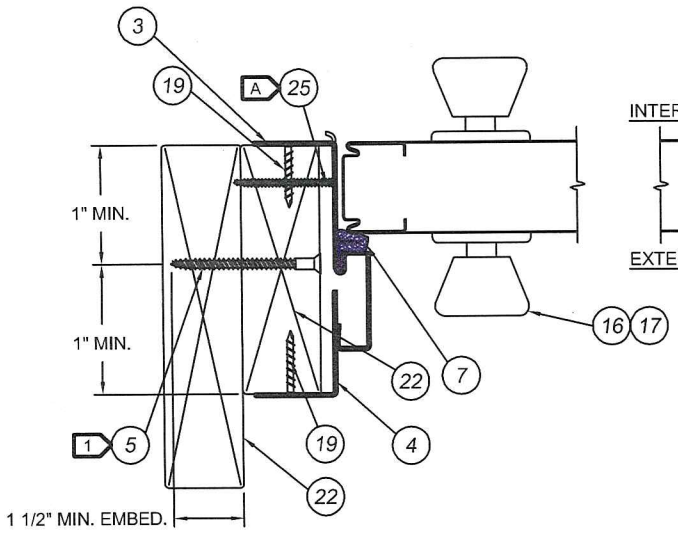


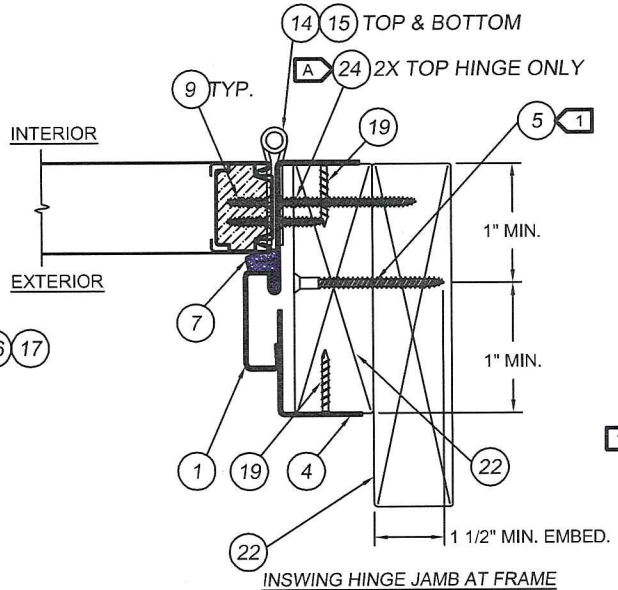
INSWING OPERATING UNIT
VERTICAL CROSS SECTION
2X WOOD BUCK AT HEAD JAMB



INSWING OPERATING UNIT
VERTICAL CROSS SECTION
AFCO SILL

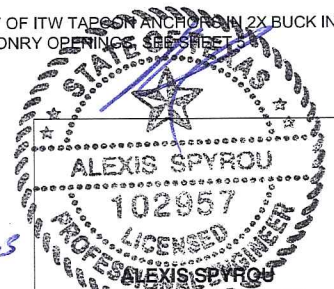


INSWING LATCH JAMB AT FRAME
HORIZONTAL CROSS SECTION



INSWING HINGE JAMB AT FRAME
HORIZONTAL CROSS SECTION

NOTES:
1 FOR PLACEMENT OF ITW TAPCON ANCHOR IN 2X BUCK IN CONCRETE/MASONRY OPENINGS, SEE SHEET 5



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PART OR ASSEMBLY: INSWING VERTICAL & HORIZONTAL SECTIONS IN WOOD

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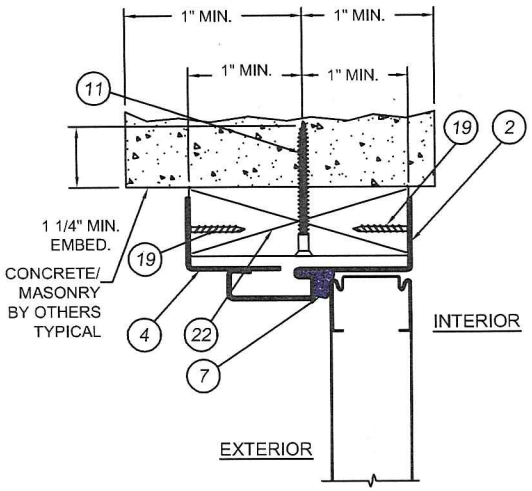
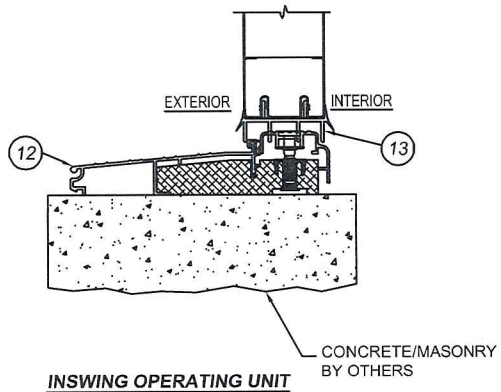
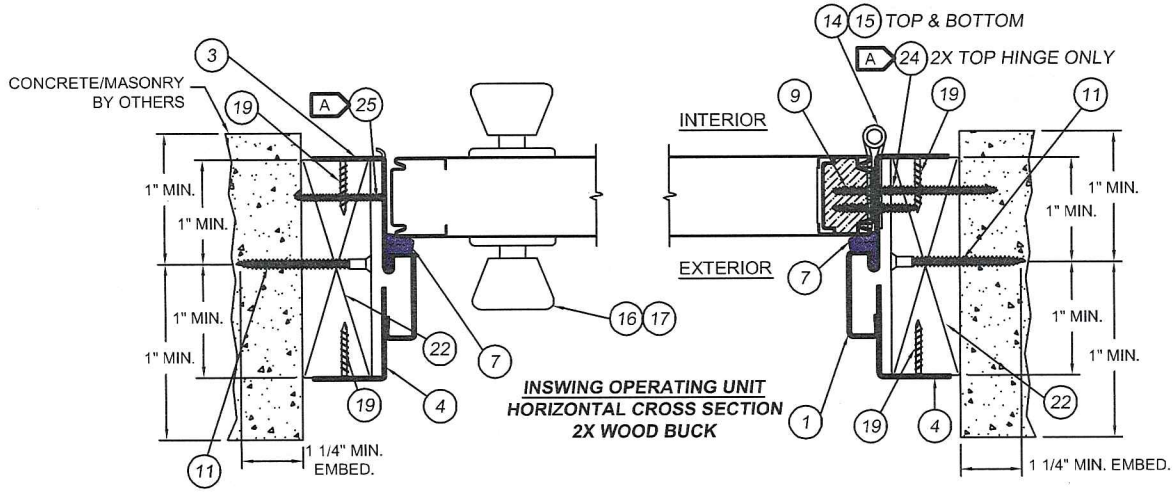
SHEET 4 OF 6



INSWING OPERATING UNIT
VERTICAL CROSS SECTION
HEAD JAMB



INSWING OPERATING UNIT
VERTICAL CROSS SECTION
AFCO SILL



INSWING OPERATING UNIT
HORIZONTAL CROSS SECTION
2X WOOD BUCK

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PART OR ASSEMBLY: INSWING VERTICAL & HORIZONTAL SECTIONS IN MASONRY/CONCRETE

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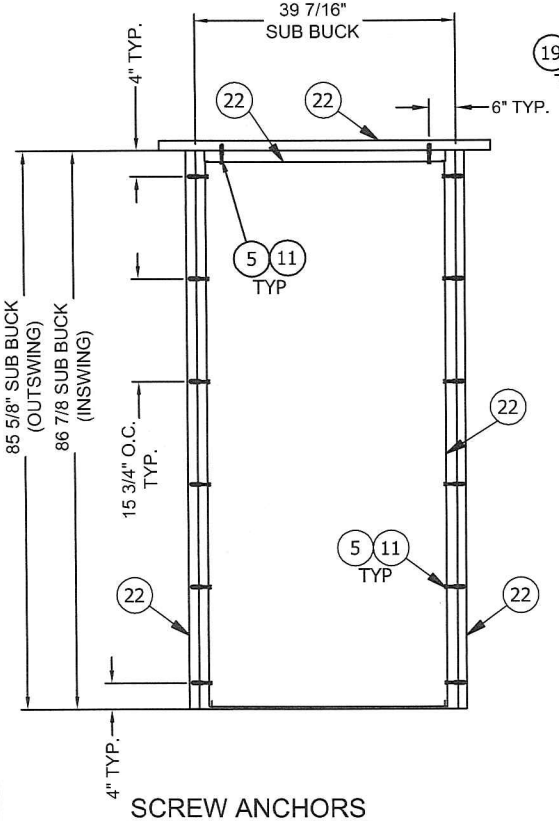
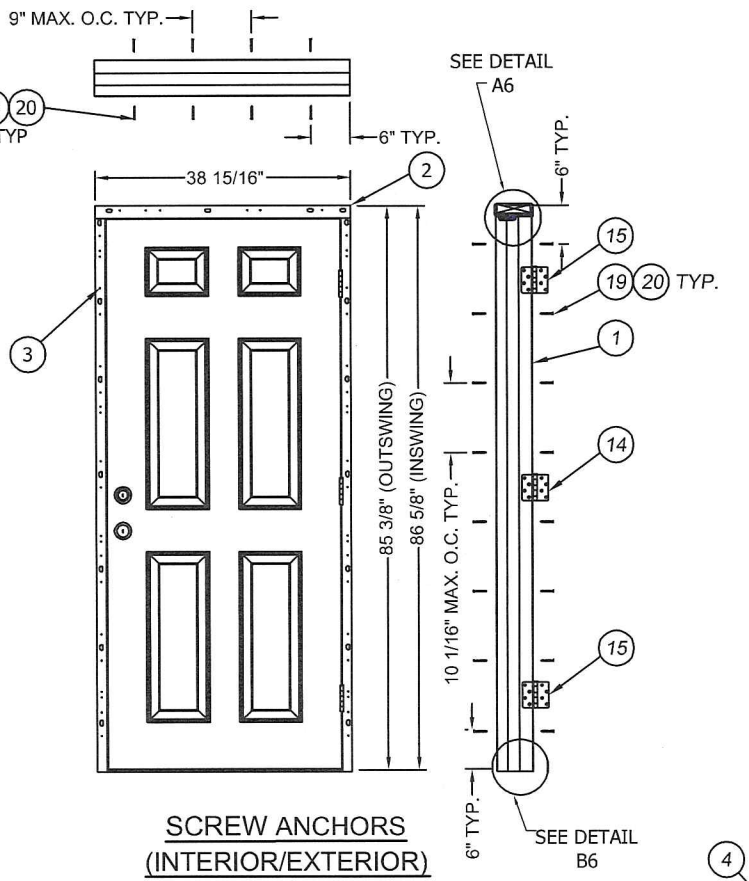
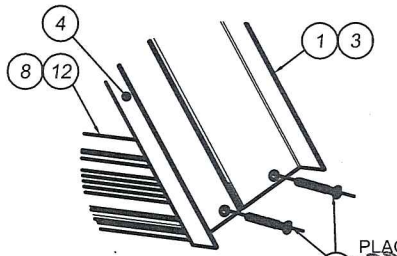
SHEET 5 OF 6



SCREW ANCHORS
15 THROUGH 2X WOOD BUCK FRAME
INTO WOOD SUB BUCK
OR MASONRY/CONCRETE

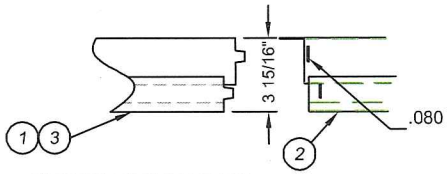


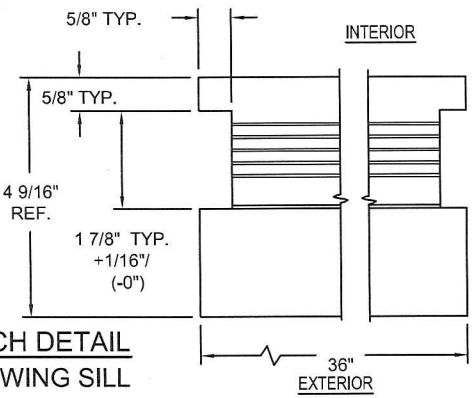
SCREW ANCHORS
(INTERIOR/EXTERIOR)
40 THROUGH DUNBARTON FRAME INTO
SUB BUCK



PLACE ANCHOR IN SILL
6" BASE MATERIAL FOR
MAXIMUM SUPPORT.

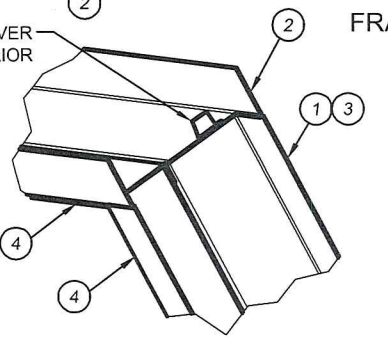
DETAIL B6
FRAME ASSEMBLY
AT SILL ENDS





SILL NOTCH DETAIL
FOR OUTSWING SILL

TABS TO BE BENT OVER
EXTERIOR / INTERIOR



DETAIL A6
FRAME ASSEMBLY
AT HEAD

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8-23

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PART OR ASSEMBLY:
INSWING AND OUTSWING
ANCHORING DETAILS

NO.	DATE	DESCRIPTION	BY
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REVISIONS

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CHK. BY: S.SAFFELL
DRAWING NO.: A008267-TX-A
SHEET 6 OF 6