

SL-XX ALUMINUM OUTSWING ENTRANCE DOOR FBC PRODUCT APPROVAL DRAWINGS

ANCHORAGE SCHEDULE AND DESCRIPTION				
SUBSTRATE	ANCHOR	EMBEDMENT	ANCHOR SPACING	EDGE DISTANCE
WOOD FRAMING	#12 WOOD SCREW	MINIMUM 1-1/2"	MINIMUM 1-1/2"	MINIMUM 2"
CONCRETE	1/4" TAPPER	MINIMUM 1-3/8"	MINIMUM 2-1/2"	MINIMUM 2-1/2"
CONCRETE	1/4" TAPCON	MINIMUM 1-1/4"	MINIMUM 2-1/2"	MINIMUM 2-1/2"
CONCRETE	1/4" CRETE-FLEX	MINIMUM 1-1/4"	MINIMUM 2-1/2"	MINIMUM 2-1/2"
STEEL STUD	1/4-20 GR 2 SMS	MINIMUM 1"	MINIMUM 1-1/2"	MINIMUM 2"

DESIGN PRESSURE RATING	IMPACT RATING
SEE PAGE 2 (DEPENDS OF STYLE AND HARDWARE)	LARGE MISSILE

DRAWINGS TABLE OF CONTENTS

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OVERALL SIZE:
 46" x 92" (SINGLE DOOR)
 80" x 92" (DOUBLE DOOR)

 MAX D.L.O.:
 22" X 32"



Secure Electronic Seal
For Electronic Submissions

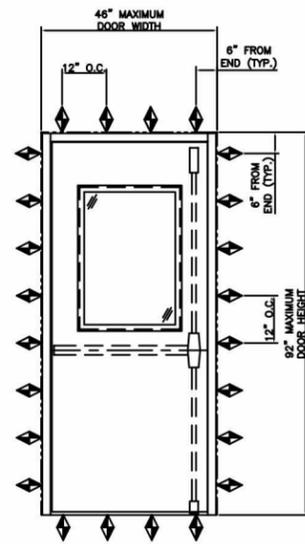
J. Royce
 Digitally signed by: Josh Royce

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NOTES:

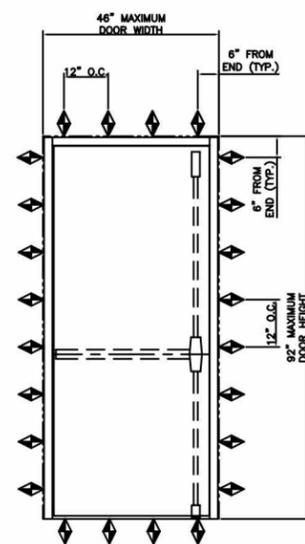
1. THE PRODUCT ILLUSTRATED SATISFIES THE REQUIREMENTS FOR THE FLORIDA BUILDING CODE NOT INCLUDING HVHZ.
2. THE INSTALLATION DRAWINGS DEPICTED WITHIN ARE NECESSARY TO MEET THE STRUCTURAL LOAD REQUIREMENTS. PLEASE SEE THE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR SEALING, FLASHING AND DRAINAGE REQUIREMENTS.
3. THIS PRODUCT IS IMPACT RESISTANT AND THEREFORE AN APPROVED IMPACT PROTECTION SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IF IT IS INSTALLED IN A WIND BORNE DEBRIS AREA.
4. THIS PRODUCT IS NOT APPROVED FOR USE WHERE WATER INFILTRATION RESISTANCE IS REQUIRED BY THE DOOR, UNLESS UNITS ARE INSTALLED IN A NON-HABITABLE AREA WHERE THE UNIT AND THE AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION. UNITS SHALL BE INSTALLED ONLY AT LOCATIONS PROTECTED BY A CANOPY OR OVERHANG SUCH THAT THE ANGLE BETWEEN THE EDGE OF THE CANOPY OR OVERHANG TO THE SILL IS LESS THAN 45 DEGREES.
5. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4". SHIM ALL SPACES IN EXCESS OF 1/16".
6. WOOD FRAMING INSTALLATIONS ARE ASSUMED TO BE 2X S-P-F (G=0.42) OR DENSER. WOOD FRAMING SHALL BE GREATER THAN THE WINDOW FRAME WIDTH. TAPERED OR PARTIAL WOOD BUCKS ARE NOT ALLOWED. FOR INSTALLATION INTO WOOD FRAMING USE #12 WOOD SCREWS WITH SUFFICIENT LENGTH TO OBTAIN A 1-1/2" PENETRATION. ANCHORS SHALL BE LOCATED AS DESCRIBED IN THE ELEVATION DETAIL.
7. CONCRETE INSTALLATIONS ASSUME A MINIMUM COMPRESSIVE STRENGTH FOR CONCRETE OF 3,200 PSI . USE A 1/4" ITW TAPCON, A 1/4" POWERS TAPPER OR A 1/4" CRETE-FLEX SS4 ANCHOR FOR INSTALLATION INTO CONCRETE. THE ANCHOR SHALL HAVE A MINIMUM OF 1-1/4" EMBEDMENT. PLEASE SEE TABLE FOR EMBEDMENT REQUIREMENTS FOR EACH ANCHOR. ANCHORS SHALL BE LOCATED AS DESCRIBED IN THE ELEVATION DETAIL.
8. METAL FRAMING INSTALLATION SHALL BE A MINIMUM OF 16 GAUGE 33 KSI STRENGTH METAL. USE A 1/4-20 GRADE 2 SMS WITH SUFFICIENT LENGTH TO ACHIEVE FULL PENETRATION OF THE METAL FRAMING AND EMBED 1/4" BEYOND THE DRILL POINT.
9. CORROSIVE RESISTANT FASTENERS SHALL BE USED.
10. WINDOW FRAME MATERIAL SHALL BE FRP MATERIAL.
11. ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN, WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
12. UNITS SHALL BE INSTALLED AS DESCRIBED IN THESE INSTALLATION INSTRUCTIONS AND ALSO IN CONFORMANCE TO THE MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.
13. SEE PAGE 2 FOR FACE SHEET DESCRIPTION AND PART NUMBERS BASED ON FACE SHEET.
14. THE GLAZING FOR THESE UNITS SHALL COMPLY WITH ASTM E 1300. TESTED GLAZING CONSISTED OF 5/16" OLDCASTLE STORMGLASS CONSISTING OF 1/8" ANNEALED GLASS - 0.070" STORMGLASS PVB INTERLAYER - 1/8" ANNEALED GLASS.

REVISIONS		MATERIAL	SPECIAL-LITE, INC. 860 SOUTH WILLIAMS STREET P.O. BOX 6 DECATUR, MI 49045 WWW.SPECIAL-LITE.COM	SCALE	
		EST. AREA			NTS
		EST. WT.		DWG NO. 100119D	
		EST. PERIM.		SHEET NO. 1 OF 4	
		DRAWN BY JMR	DATE 10/29/10	EXTRUSION NO.	
		SL-XX ALUMINUM OS DOOR FBC INSTALLATION DRAWINGS GENERAL NOTES		REV.	



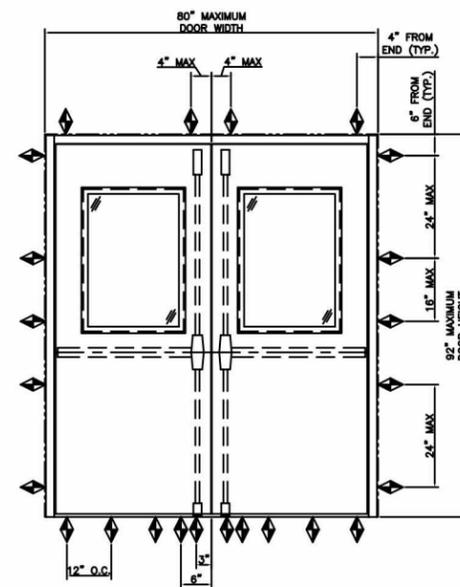
HARDWARE SET #1
+60/-53 PSF

HARDWARE SET #2 OR #3
+70/-90 PSF

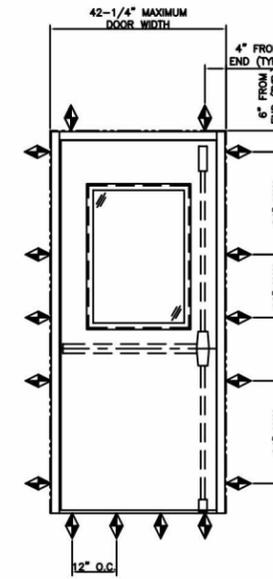


HARDWARE SET #1
+60/-53 PSF

HARDWARE SET #2 OR #3
+70/-70 PSF



HARDWARE SET #4
+65/-65 PSF



HARDWARE SET #5
+65/-65 PSF

HARDWARE SET #1		
QTY	PART #	DESCRIPTION
1	SL-11HD 95"	SELECT PRODUCTS CONTINUOUS HINGE
1	8701 42"	ADAMS RITE RIM EXIT DEVICE
1	SL-86	SPECIAL-LITE RECESSED PULL
1	950N 42"	NATIONAL GUARD THRESHOLD
OPTIONAL HARDWARE SET #1		
1	CHOICE	PULLS
1	CHOICE	CLOSER
1	.	SPECIAL-LITE CONCEALED PROX READER PREP
1	THRS-4	SPECIAL-LITE THRESHOLD
OPTIONAL WATER RESISTANT PACKAGE		
2 SET	315CR (6) 96", (2) 48"	PEMKO WEATHERSTRIP
3	345AV 48"	PEMKO SWEEP
1	305CN (1) 96"	PEMKO ASTRAGAL
3	347A	PEMKO DOOR TOP WEATHERSTRIP
2	68AR	PEMKO DOOR TOP WEATHERSTRIP
2	488 42"	ZERO WEATHERSTRIP
2	568	ZERO THRESHOLD

HARDWARE SET #2		
QTY	PART #	DESCRIPTION
1	SK-11HD 95"	SELECT PRODUCTS CONTINUOUS HINGE
1	D53LD RHD	SCHLAGE CYLINDRICAL LOCKSET
1	10-025	SCHLAGE STANDARD STRIKE
1	950N 42"	NATIONAL GUARD THRESHOLD
OPTIONAL HARDWARE SET #2		
1	CHOICE	PULLS
1	CHOICE	CLOSER
1	.	SPECIAL-LITE CONCEALED PROX READER PREP
1	THRS-4	SPECIAL-LITE THRESHOLD
OPTIONAL WATER RESISTANT PACKAGE		
2 SET	315CR (6) 96", (2) 48"	PEMKO WEATHERSTRIP
3	345AV 48"	PEMKO SWEEP
1	305CN (1) 96"	PEMKO ASTRAGAL
3	347A	PEMKO DOOR TOP WEATHERSTRIP
2	68AR	PEMKO DOOR TOP WEATHERSTRIP
2	488 42"	ZERO WEATHERSTRIP
2	568	ZERO THRESHOLD

HARDWARE SET #3		
QTY	PART #	DESCRIPTION
1	SL-11HD 95"	SELECT PRODUCTS CONTINUOUS HINGE
1	L945P 03A	SCHLAGE MORTISE LOCKSET
1	30-021	SCHLAGE MORTISE CYLINDER
1	10-072	SCHLAGE 4 7/8" STRIKE
1	950N 42"	NATIONAL GUARD THRESHOLD
OPTIONAL HARDWARE SET #3		
1	CHOICE	PULLS
1	CHOICE	CLOSER
1	.	SPECIAL-LITE CONCEALED PROX READER PREP
1	THRS-4	SPECIAL-LITE THRESHOLD
OPTIONAL WATER RESISTANT PACKAGE		
2 SET	315CR (6) 96", (2) 48"	PEMKO WEATHERSTRIP
3	345AV 48"	PEMKO SWEEP
1	305CN (1) 96"	PEMKO ASTRAGAL
3	347A	PEMKO DOOR TOP WEATHERSTRIP
2	68AR	PEMKO DOOR TOP WEATHERSTRIP
2	488 42"	ZERO WEATHERSTRIP
2	568	ZERO THRESHOLD

HARDWARE SET #4		
QTY	PART #	DESCRIPTION
2	SL-11HD 95" CLR	SELECT PRODUCTS CONTINUOUS HINGE
1	4954 8' SP28 x 156 SP28	VON DUPRIN REMOVABLE MULLION W/STABILIZER
2	9957ED 4' x 8' US28 299 STK, 304L STK	VON DUPRIN SVR, 3-POINT EXIT DEVICE
1	THRS-4	SPECIAL-LITE THRESHOLD
OPTIONAL HARDWARE SET #4		
1	CHOICE	PULLS
1	CHOICE	CLOSER
1	.	SPECIAL-LITE CONCEALED PROX READER PREP
1	950N	NATIONAL GUARD THRESHOLD
OPTIONAL WATER RESISTANT PACKAGE		
1 SET	315CR (5) 96"	PEMKO WEATHERSTRIP
2	345AV 48"	PEMKO SWEEP
1	305CN (1) 96"	PEMKO ASTRAGAL
2	347A	PEMKO DOOR TOP WEATHERSTRIP
2	68AR	PEMKO DOOR TOP WEATHERSTRIP
1	488 42"	ZERO WEATHERSTRIP
1	568	ZERO THRESHOLD

HARDWARE SET #5		
QTY	PART #	DESCRIPTION
1	SL-11HD 95" CLR	SELECT PRODUCTS CONTINUOUS HINGE
1	9957ED 4' x 8' US28 299 STK, 304L STK	VON DUPRIN SVR, 3-POINT EXIT DEVICE
1	THRS-4	SPECIAL-LITE THRESHOLD
OPTIONAL HARDWARE SET #5		
1	CHOICE	PULLS
1	CHOICE	CLOSER
1	.	SPECIAL-LITE CONCEALED PROX READER PREP
1	950N	NATIONAL GUARD THRESHOLD
OPTIONAL WATER RESISTANT PACKAGE		
1 SET	315CR (2) 96", (1) 48"	PEMKO WEATHERSTRIP
1	345AV 48"	PEMKO SWEEP
1	347A	PEMKO DOOR TOP WEATHERSTRIP
1	68AR	PEMKO DOOR TOP WEATHERSTRIP
1	488 42"	ZERO WEATHERSTRIP
1	568	ZERO THRESHOLD

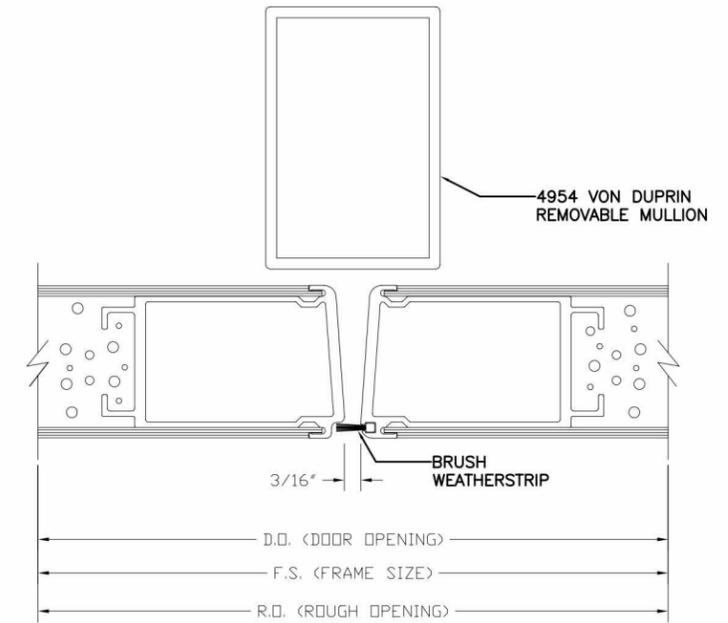
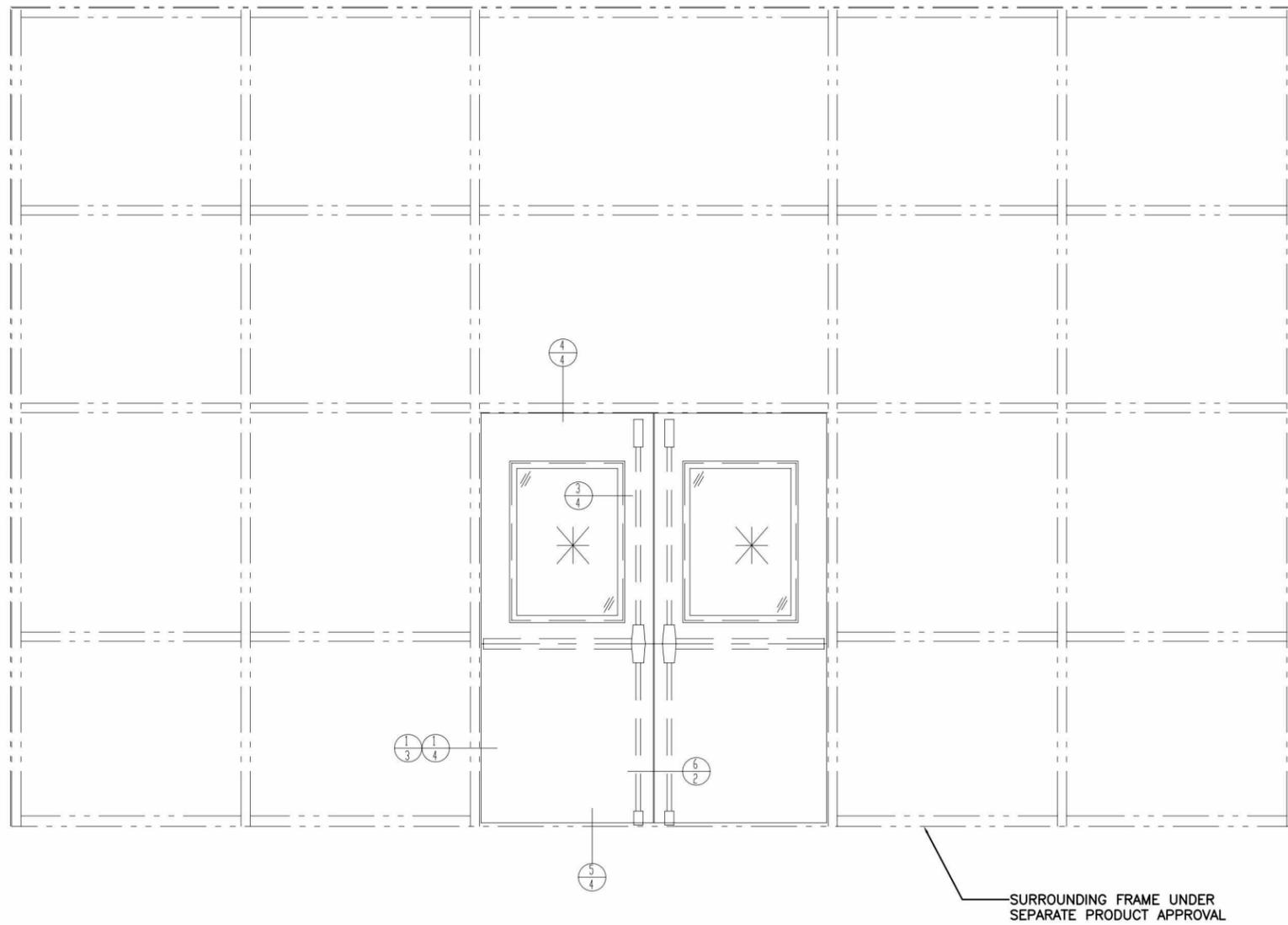
NOTES:

- *GLAZING MAXIMUM GROSS SQ/FT= 4.98 LITES MAY BE CONFIGURED & ARRANGED IN ANY QUANTITY OR SIZE, NOT TO EXCEED 22" X 32" OR 4.89 SQ/FT TOTAL.

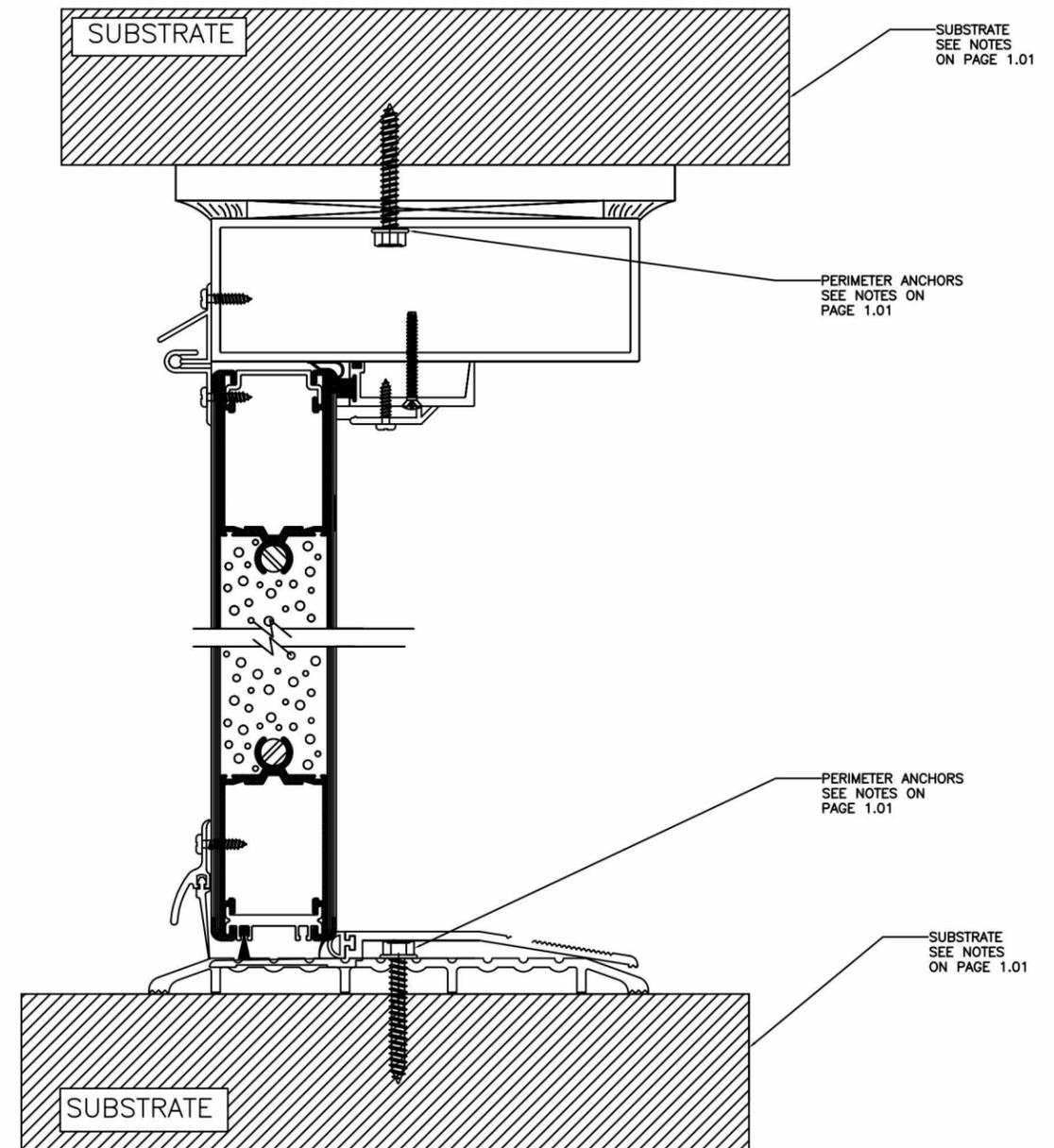
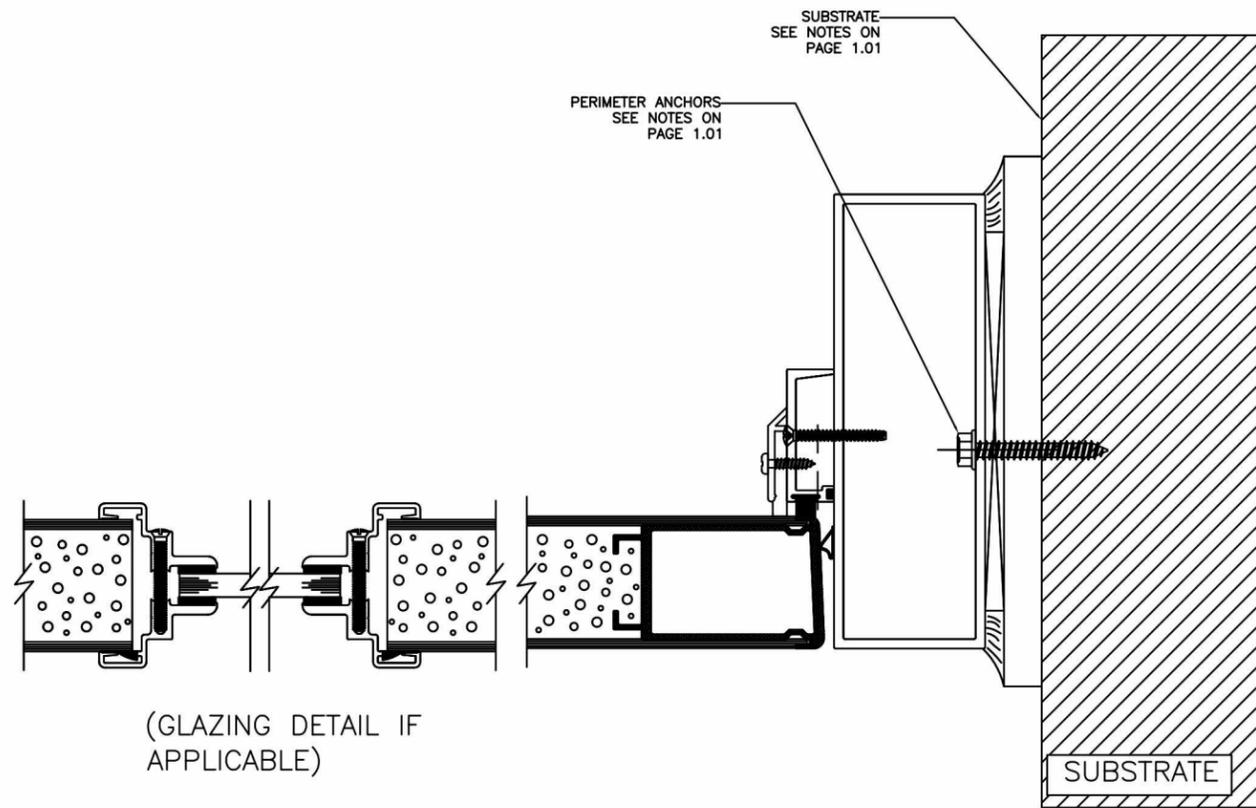
FACE SHEET SCHEDULE	
STANDARD	
MODEL	DESCRIPTION
SL-17	SPEC-LITE 3 FRP FACE SHEET
OPTIONAL	
SL-16	ALUMINUM FACE SHEET
SL-18	AMP COLONIAL FACE SHEET
SL-19	AMP WOOD GRAIN FACE SHEET
SL-20	FRP SANDSTONE FACE SHEET
SL-16SS	STAINLESS STEEL FACE SHEET

REVISIONS		MATERIAL		SCALE
		EST. AREA		NTS
		EST. WT.		DWG NO.
		EST. PERIM.		100119D
		DRAWN BY JMR	DATE 10/29/10	SHEET NO. 2 OF 4
SL-XX ALUMINUM OS DOOR FBC INSTALLATION DRAWINGS ELEVATION, ANCHOR SPACING AND HARDWARE INFORMATION				EXTRUSION NO. REV.

SPECIAL-LITE, INC.
860 SOUTH WILLIAMS STREET
P.O. BOX 6
DECATUR, MI 49045
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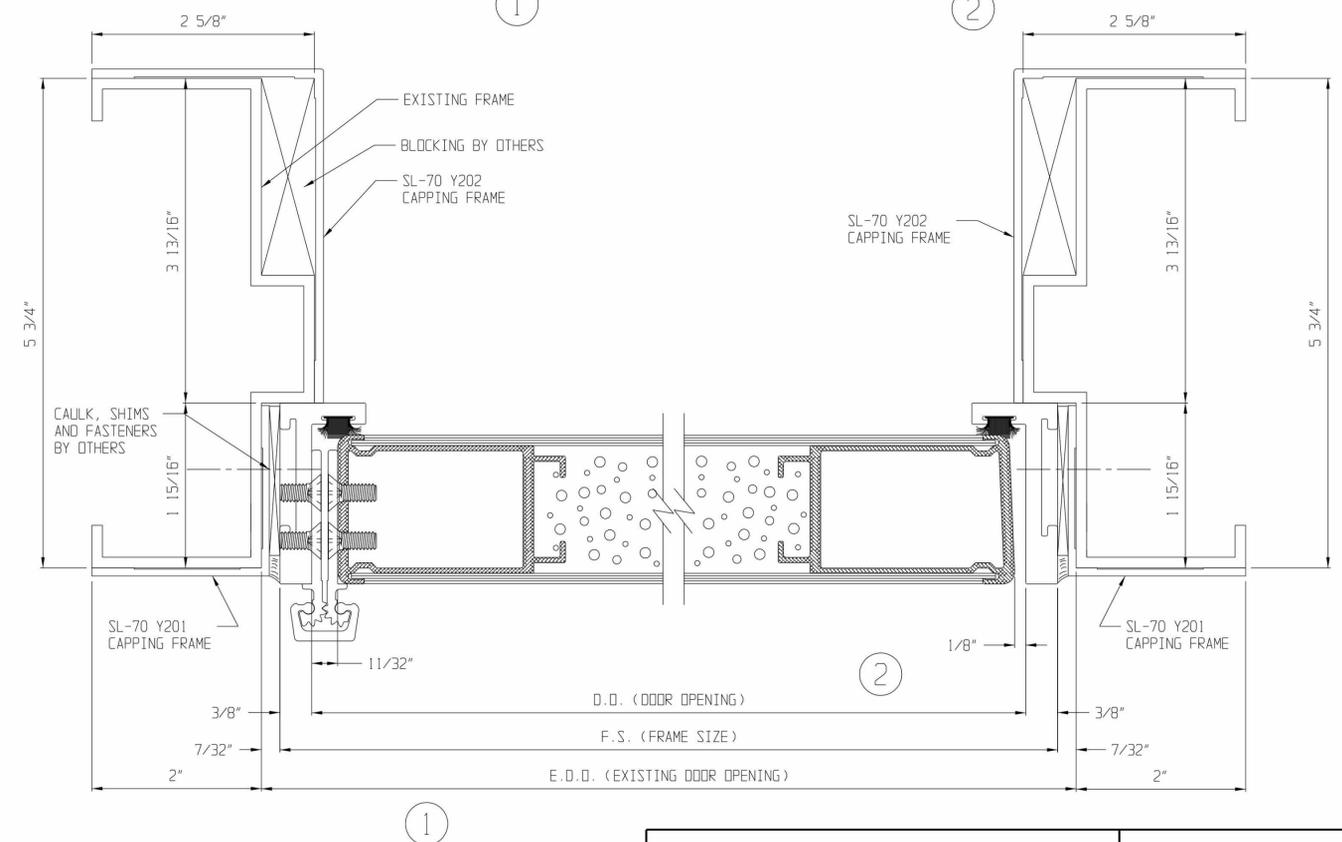
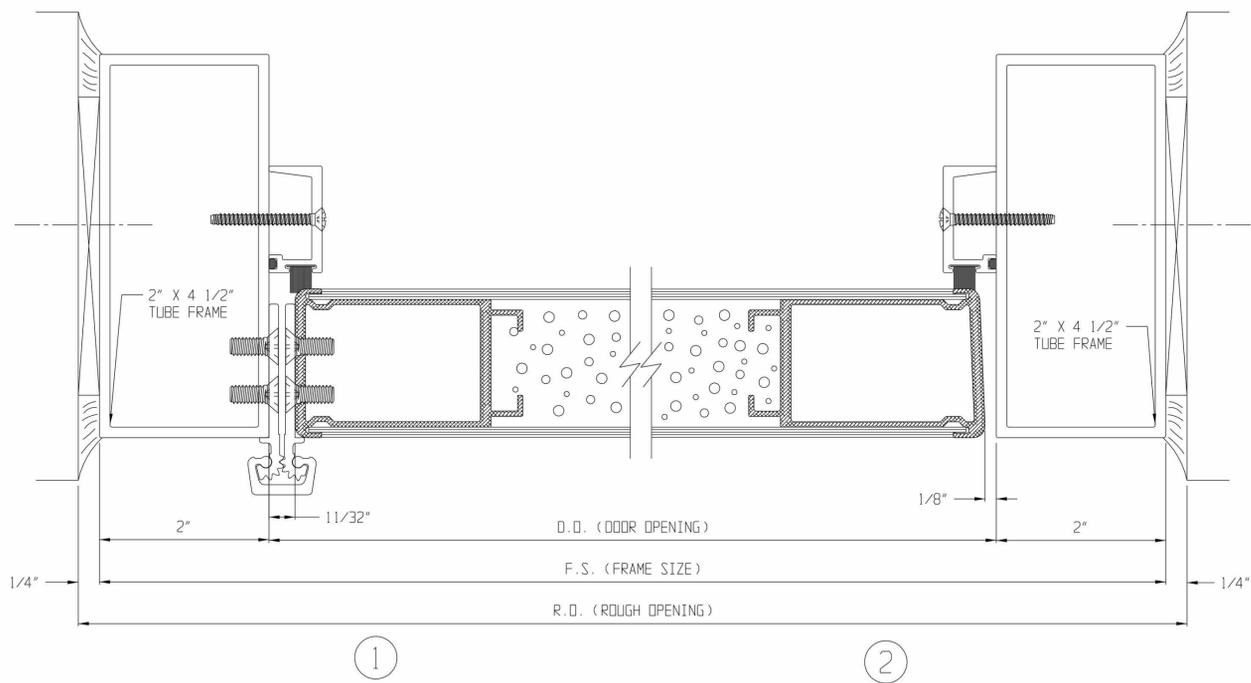
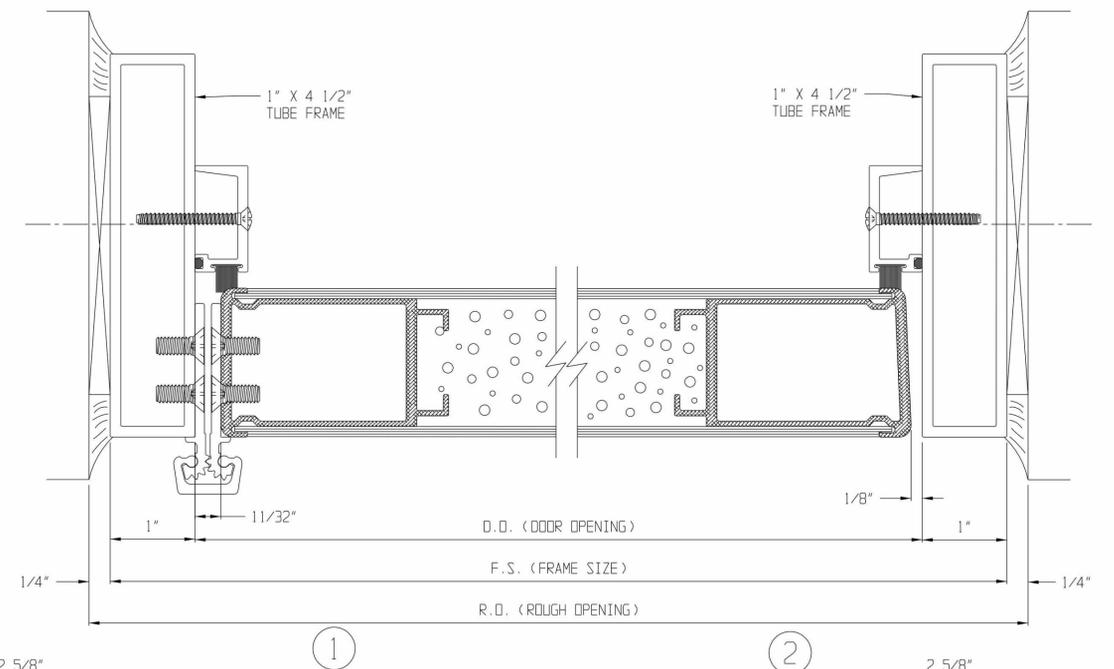
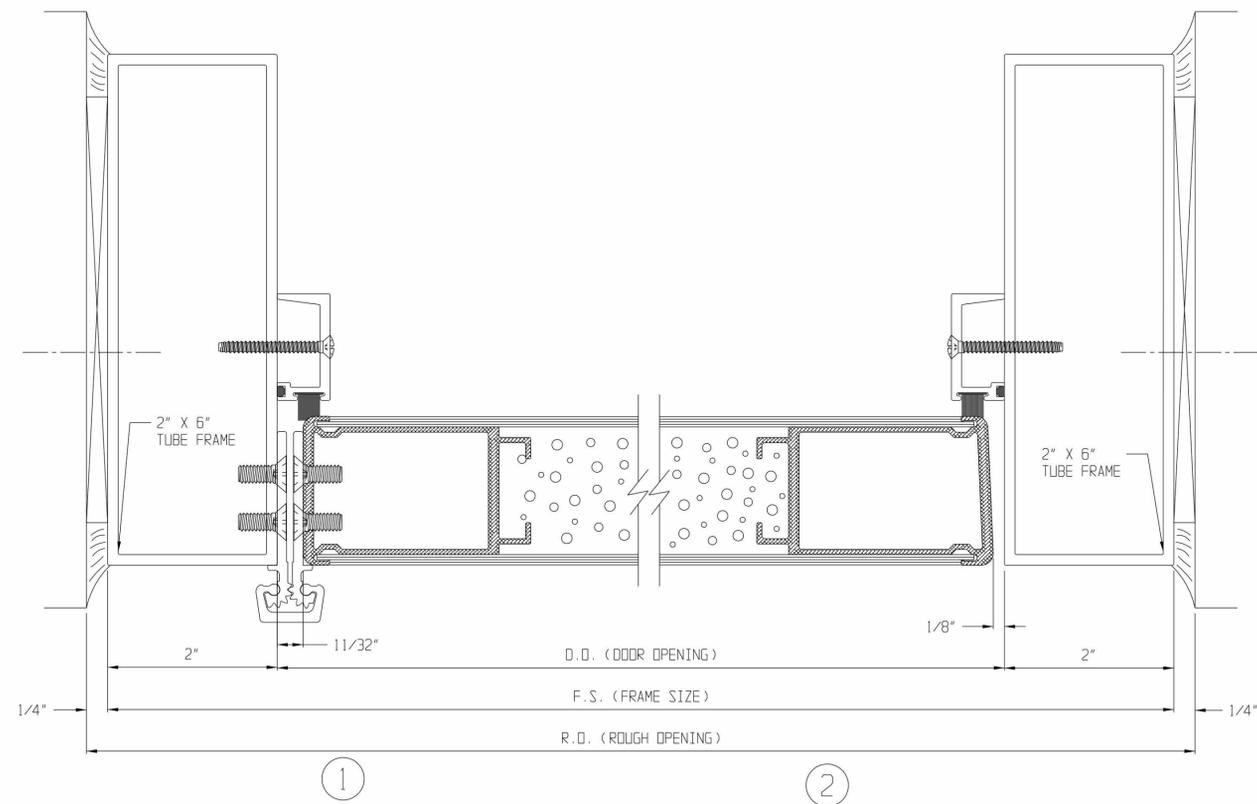


REVISIONS		MATERIAL	 <p>SPECIAL-LITE, INC. 860 SOUTH WILLIAMS STREET P.O. BOX 6 DECATUR, MI 49045 WWW.SPECIAL-LITE.COM</p>	SCALE NTS	
		EST. AREA		DWG NO. 100119D	
		EST. WT.		SHEET NO. 3 OF 4	
		EST. PERIM.		EXTRUSION NO.	REV.
		DRAWN BY JMR		DATE 10/29/10	
			<p>SL-XX ALUMINUM OS DOOR FBC INSTALLATION DRAWINGS GENERAL ELEVATION DETAILS</p>		



SEE FOLLOWING PAGES FOR OPTIONAL FRAME MEMBERS. ALL INSTALLATION DETAIL TO THE SUBSTRATE, REGARDLESS OF FRAME OPTION USED, SHALL BE AS SHOWN ABOVE.

REVISIONS		MATERIAL		Special-Lite <i>Doors with more life.</i>		SCALE NTS	
		EST. AREA		SPECIAL-LITE, INC. 860 SOUTH WILLIAMS STREET P.O. BOX 6 DECATUR, MI 49045 WWW.SPECIAL-LITE.COM		DWG NO. 100119D	
		EST. WT.				SHEET NO. 4 OF 4	
		EST. PERIM.				EXTRUSION NO.	
		DRAWN BY JMR	DATE 10/29/10			REV.	
				SL-XX ALUMINUM OS DOOR			
				FBC INSTALLATION DRAWINGS			
				TYPICAL NSTALLATION DETAILS			

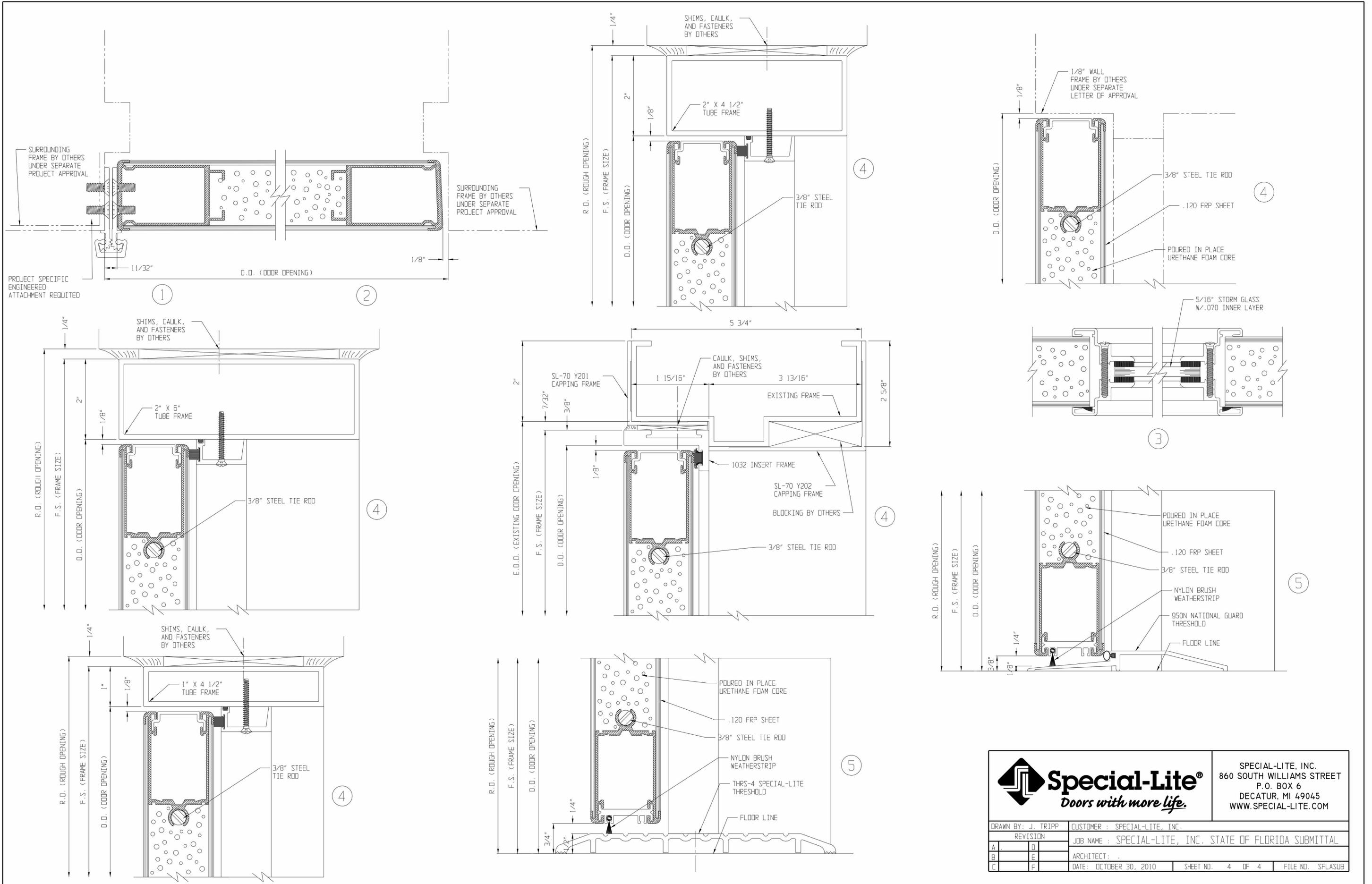




Special-Lite®
Doors with more life.

SPECIAL-LITE, INC.
860 SOUTH WILLIAMS STREET
P.O. BOX 6
DECATUR, MI 49045
WWW.SPECIAL-LITE.COM

DRAWN BY: J. TRIPP		CUSTOMER: SPECIAL-LITE, INC.	
REVISION		JOB NAME: SPECIAL-LITE, INC. STATE OF FLORIDA SUBMITTAL	
A	D	ARCHITECT:	
B	E	DATE: OCTOBER 30, 2010	SHEET NO. 3 OF 4
C	F	FILE NO. SFLASUB	



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		DRAWN BY: J. TRIPP CUSTOMER: SPECIAL-LITE, INC.	JOB NAME: SPECIAL-LITE, INC. STATE OF FLORIDA SUBMITTAL
REVISION		ARCHITECT:	
A B C	D E F	DATE: OCTOBER 30, 2010	SHEET NO. 4 OF 4 FILE NO. SFLASUB