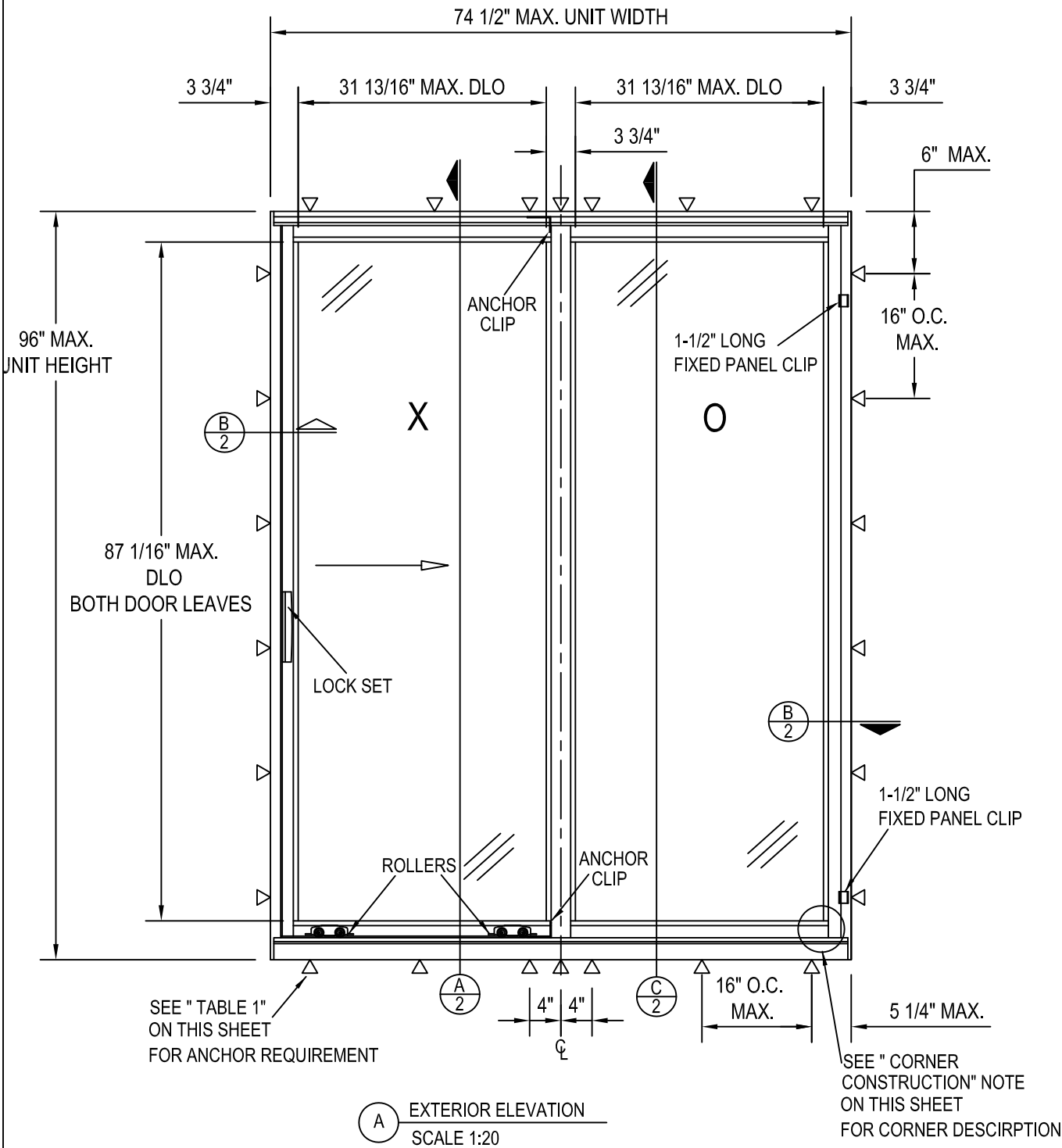


SGD948 SLIDING DOOR (LARGE MISSILE IMPACT)



DESIGN PRESSURE = +60 /- 60 PSF

HARDWARE TYPE AND LOCATION:

- LOCK SET (ITEM #28): ONE @ OPERABLE PANEL, JAMB/STILE 39-1/2" FROM BOTTOM OF PANEL WITH MATING KEEPER ALIGNED OPPOSITE ON JAMB
- ROLLER (ITEM #31): TWO @ OPERABLE PANEL BOTTOM RAIL, ONE AT EACH END
- FIXED PANEL CLIP (ITEM #11): TWO @ 8" FROM EACH END OF THE FIXED JAMB/STILE. EACH CLIP, 1-1/2" LONG, INTERLOCKED WITH A MILLED SLOT IN THE STILE, AND SECURED TO THE JAMB WITH (1)#8 x 1/2" SCREW
- ANCHOR CLIP (ITEM #34): TWO @ TOP AND BOTTOM OF THE FIXED INTERLOCK STILE. EACH ANGLE SECURED TO THE HEAD/SILL WITH (3)#10 x 1-1/2" SCREW, AND TO THE FIXED STILE WITH (2) #8 x 1 1/4"

GENERAL NOTES

1. THIS PRODUCT HAS BEEN TESTED TO AAMA/WDMA/CSA 101/I.S.2/A440-08 AND TAS 201/202/203-94, AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, CURRENT EDITION, INCLUDING THE HIGH VELOCITY HURRICANE ZONE.
2. THIS PRODUCT, FABRICATED, GLAZED, AND ANCHORED AS DETAILED IN THIS DRAWING, IS LARGE MISSILE IMPACT RESISTANT AND DOES NOT REQUIRE THE USE OF SHUTTERS.
3. ALLOWABLE CONFIGURATION: XO OR OX (ONE OPERABLE LEAF AND ONE FIXED LEAF)
4. THE DESIGN PRESSURE RATINGS IN THIS DRAWING ARE AS LIMITED BY ASTM E-1300 GLASS TABLES, AND TESTED PRESSURES.
5. DISSIMILAR MATERIALS THAT COME INTO CONTACT, INCLUDING BUT NOT LIMITED TO PRESSURE TREATED WOOD BUCKS, SHALL BE COATED OR OTHERWISE PROTECTED TO PREVENT GALVANIC REACTIONS.
6. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER INFILTRATION RESISTANCE SHALL BE THE RESPONSIBILITY OF OTHERS.
7. THE 4/3 ALLOWABLE STRESS INCREASE HAS NOT BEEN USED IN THE ANCHOR ANALYSIS FOR THIS SYSTEM. THE 1.6 Cd FACTOR WAS USED IN THE ANALYSIS OF WOOD SUBSTRATE.
8. STRUCTURAL INTEGRITY OF SUBSTRATE MATERIALS TO RECEIVE THE LOADS FROM THIS PRODUCT, AND INSTALLATION OF WOOD BUCKS TO THE SUBSTRATE, TO BE ENGINEERED BY OTHERS OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
9. THIS PRODUCT SHALL BE INSTALLED USING ONE OF THE APPROVED FASTENERS IN TABLE 1 APPROPRIATE FOR THE SUBSTRATE TYPE, AT THE MINIMUM SPACING SHOWN IN THE ELEVATION VIEW ON THIS PAGE.
10. MINIMUM ANCHOR EMBEDMENTS LISTED IN TABLE 1 SHALL BE BEYOND WALL DRESSING OR STUCCO AND FULLY INTO SUBSTRATE.
11. SUBSTRATES SHALL MEET THE MINIMUM STRENGTH REQUIREMENTS AS SHOWN IN TABLE 1. CONCRETE OR MASONRY SUBSTRATES SHALL NOT BE CRACKED. FOR INSTALLATION TO METAL SUBSTRATES, ANCHORS SHALL BE LONG ENOUGH TO BE FULLY THREADED THROUGH THE METAL THICKNESS WITH AN ADDITIONAL 3 THREADS BEYOND.

TABLE 1: INSTALLATION ANCHOR REQUIREMENTS TABLE

ID	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED	MIN. EDGE DIST.
A	CONCRETE (2.0 KSI MIN)	1/4" ITW TAPCON	1 1/2"	1 1/2"
B	HOLLOW OR GROUT-FILLED CMU (117 PCF MIN.)	1/4" ITW TAPCON	1"	2"
C	CONCRETE (2.85 KSI MIN.)	1/4" ELCO ULTRACON	1 3/4"	1"
D	HOLLOW OR GROUT-FILLED CMU (ASTM C90)	1/4" ELCO ULTRACON	1-1/4"	2 1/2"
E	2X MIN. SPRUCE-PINE-FIR WOOD (G=0.42)	1/4" ELCO ULTRACON	1-3/8"	1"
F	2X MIN. SPRUCE-PINE-FIR WOOD (G=0.42)	#12 WOOD SCREW	1-3/8"	1"
G	16 GAUGE (0.060") MIN. STEEL STUD 33KSI YIELD MIN.	#12-24 ITW TEKS SELF-DRILLING SCREW	SEE NOTE 11	1/2"
H	1/8" ALUM. 6063-T5 MIN. OR 1/8" STEEL 36 KSI MIN.	#12 GRADE 5 SELF-TAPPING/ DRILLING SCREW	SEE NOTE 11	1/2"

INSTALL TWO ANCHORS PER LOCATION INDICATED IN ELEVATION VIEW

CORNER CONSTRUCTION:

FRAME:

VERTICAL JAMB MEMBERS RUN THROUGH. VERTICAL MEMBERS ARE COPED AND FASTENED TO THE HORIZONTAL USING (3) #8-18 X 1" PPH STAINLESS STEEL FASTENERS (ITEM #25) FOR SILL/JAMB CONNECTION AND (2) #8-18 X 1" PPH STAINLESS STEEL FASTENERS (ITEM #25) FOR HEAD/JAMB CONNECTION. JOINTS ARE SEALED WITH SEALANT.

DOOR LEAFS:

VERTICAL DOORS STILES RUN THROUGH. VERTICAL STILES ARE COPED AND FASTENERS TO THE HORIZONTAL RAIL USING (2) #8-18 X 2 1/4" HWH "AB" STAINLESS STEEL FASTENERS AT EACH JOINT. JOINTS ARE SEALED WITH SEALANT.

NOTE: THE DESIGNATION X AND O STAND FOR THE FOLLOWING:

- X = OPERABLE DOOR LEAVE
- O = FIXED DOOR LEAVE

REV.	DATE	DESCRIPTION	BY
E.C. NO.	xxxx-xx	XX/XX/XX	
Lucas Turner 2020.09.11 14:01:18 -05'00' 9/9/2020 LUCAS A. TURNER, FL P.E. #58201 TURNER ENGINEERING & CONSULTING, INC., FBPE COA #29779 2428 OLD NATCHEZ TRACE TRL CAMDEN, TN 38320 PH. 941-380-1574, FAX 941-584-8591			
71 PROGRESS AVENUE CRANBURY TOWNSHIP, PA 16066 PHONE (724) 776-7000 FAX (724) 776-7114		SGD948 SLIDING DOOR LARGE MISSILE IMPACT SCALE: NONE	
DRAWN BY YSE		DATE 05/10/12	
DRWG. NO. A-SGD948-001			
SHEET 1 OF 4			

SUBSTRATE BY OTHERS
SEE "TABLE 1" ON SHEET 1

OLYMPUS HANDLE

PERIMETER SEALANT
BY INSTALLERS

INTERIOR

EXTERIOR

DOOR WIDTH

B HORIZONTAL SECTION

SUBSTRATE BY OTHERS
SEE "TABLE 1" ON SHEET 1

MIN. EDGE DIST.,
SEE TBL 1, SHT 1, TYP.

MIN. EMBED, SEE
TBL 1, SHT 1, TYP.

3/16" MAX.
SHIM SPACE

PERIMETER SEALANT
BY INSTALLERS

SUBSTRATE BY OTHERS
SEE "TABLE 1" ON SHEET 1

SUBSTRATE BY OTHERS
SEE "TABLE 1" ON SHEET 1

MIN. EDGE DIST.
SEE TBL 1, SHT 1, TYP.

MIN. EMBEDMENT,
SEE TBL 1, SHT 1, TYP.

PERIMETER SEALANT
BY INSTALLERS

EXTERIOR

INTERIOR

FRAME HEIGHT / JAMB

3/16" MAX.
SHIM SPACE

SUBSTRATE BY OTHERS
SEE "TABLE 1" ON SHEET 1

A VERTICAL SECTION AT FIXED LEAF

EXTERIOR

INTERIOR

FRAME HEIGHT / JAMB

PERIMETER SEALANT
BY INSTALLERS

SUBSTRATE BY OTHERS
SEE "TABLE 1" ON SHEET 1

C VERTICAL SECTION AT OPERABLE LEAF

PERIMETER SEALANT
BY INSTALLERS

RGS 7700

3/16" MAX.
SHIM SPACE

#10 X 3/4" SELF-DRILLING FASTENERS
5.25" FROM CORNERS
@ 16" O.C. (BY OTHERS)

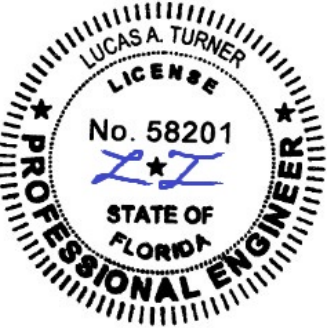
MIN. EDGE DIST, SEE
TBL 1, SHT 1, TYP.

MIN. EMBED., SEE
TBL 1, SHT 1, TYP.

REV.	DATE	DESCRIPTION	BY
E.C. NO.	XXXXXX-XX	XX/XX/XX	
 9/9/2020 LUCAS A. TURNER, FL P.E. #58201 TURNER ENGINEERING & CONSULTING, INC., FBPE COA #29779 2428 OLD NATCHEZ TRACE TRL CAMDEN, TN 38320 PH. 941-380-1574, FAX 941-584-8591			
 71 PROGRESS AVENUE CRANBERRY TOWNSHIP, PA 16066 PHONE (724) 776-7000 FAX (724) 776-7114		SGD948 SLIDING DOOR LARGE MISSILE IMPACT SCALE: NONE	
DRAWN BY YSE		DATE 05/10/12	
DRWG. NO. A-SGD948-002			
SHEET 2 OF 04			

REV.	DATE	DESCRIPTION	BY

E.C. NO. xxxxx-xx xx/xx/xx



9/9/2020

LUCAS A. TURNER, FL P.E. #58201
TURNER ENGINEERING & CONSULTING, INC., FBPE COA #29779
2428 OLD NATCHEZ TRACE TRL
CAMDEN, TN 38320
PH. 941-380-1574, FAX 941-584-8591

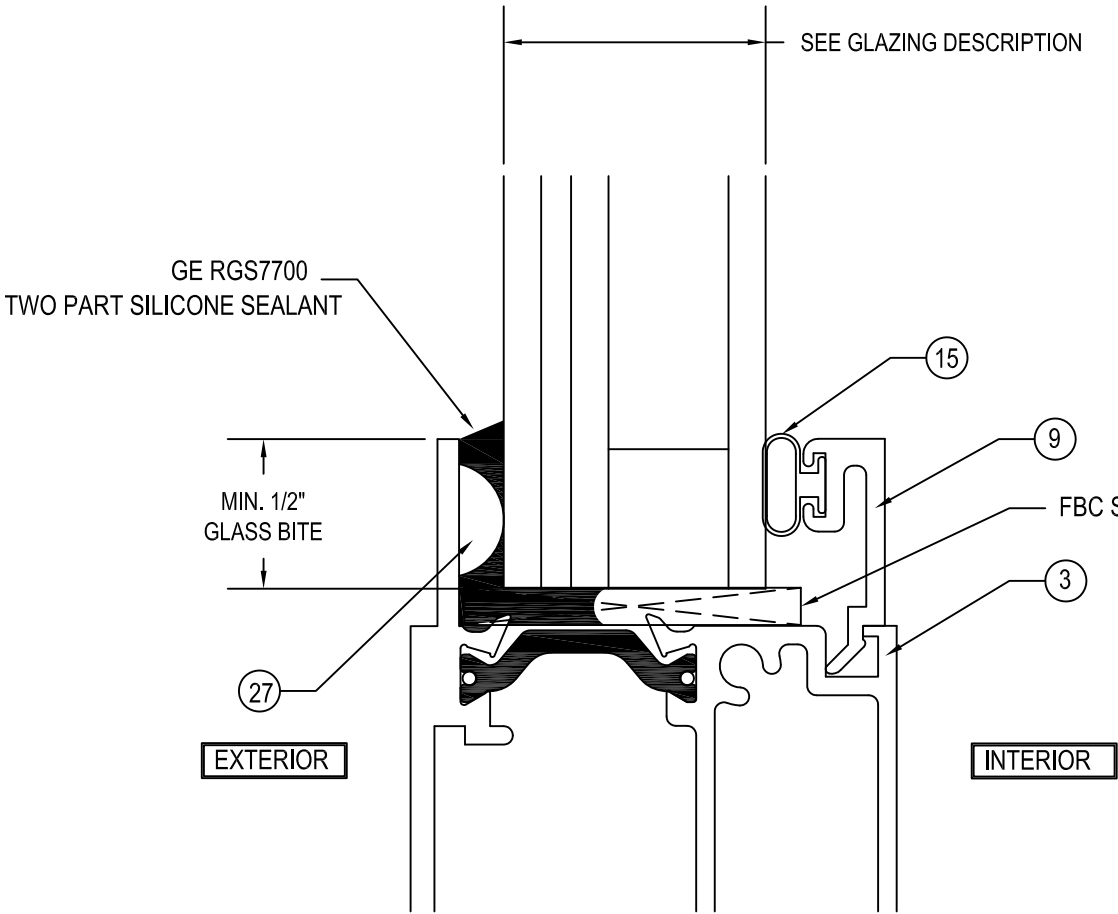


71 PROGRESS AVENUE
CRANBERRY TOWNSHIP, PA 16066
PHONE (724) 776-7000
FAX (724) 776-7114

SGD948 SLIDING DOOR
LARGE MISSILE IMPACT

SCALE: NONE

DRAWN BY YSE	DATE 05/10/12
DRWG. NO. A-SGD948-003	
SHEET 3 OF 04	

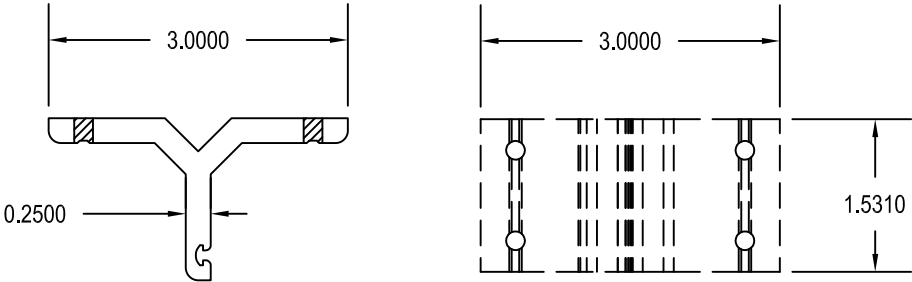


A

GLAZING DETAIL
SCALE 1 : 1

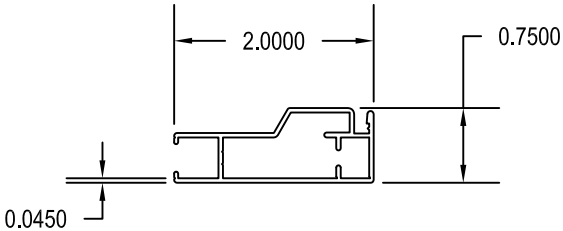
GLAZING DESCRIPTION

7/8" INSULATED GLASS FABRICATED FROM 5/16" LAMINATED GLASS (EXTERIOR)
CONSISTS OF (2) 1/8" CLEAR HEAT STRENGTHENED GLASS AND 0.100" THICK EASTMAN (SOLUTIA) SAFLEX HP PVB INTERLAYER,
7/16" AIRSPACE WITH ALUMINUM OR BUTYL SPACER, AND 1/8" THICK CLEAR TEMPERED GLASS (INTERIOR)



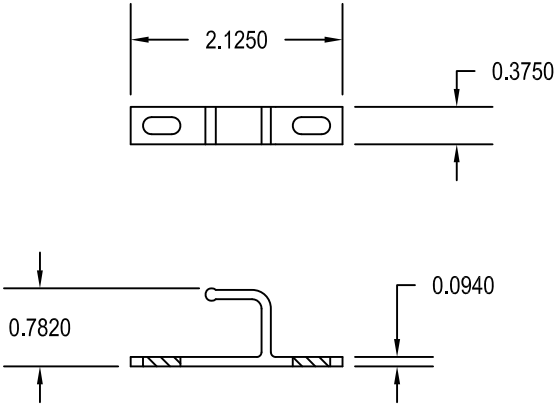
37

P.D. VENT STOP
SCALE 1:2



38

PARTIO DOOR SCREEN STILE/RAIL
SCALE 1:2

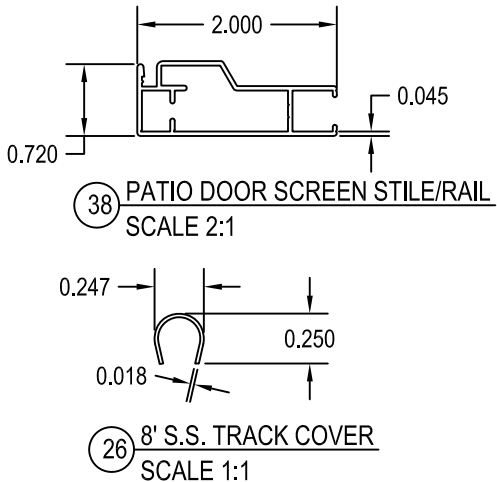
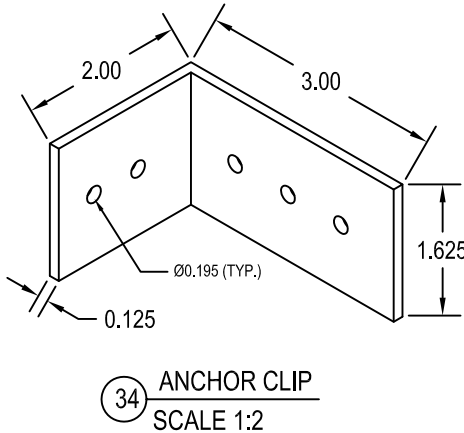
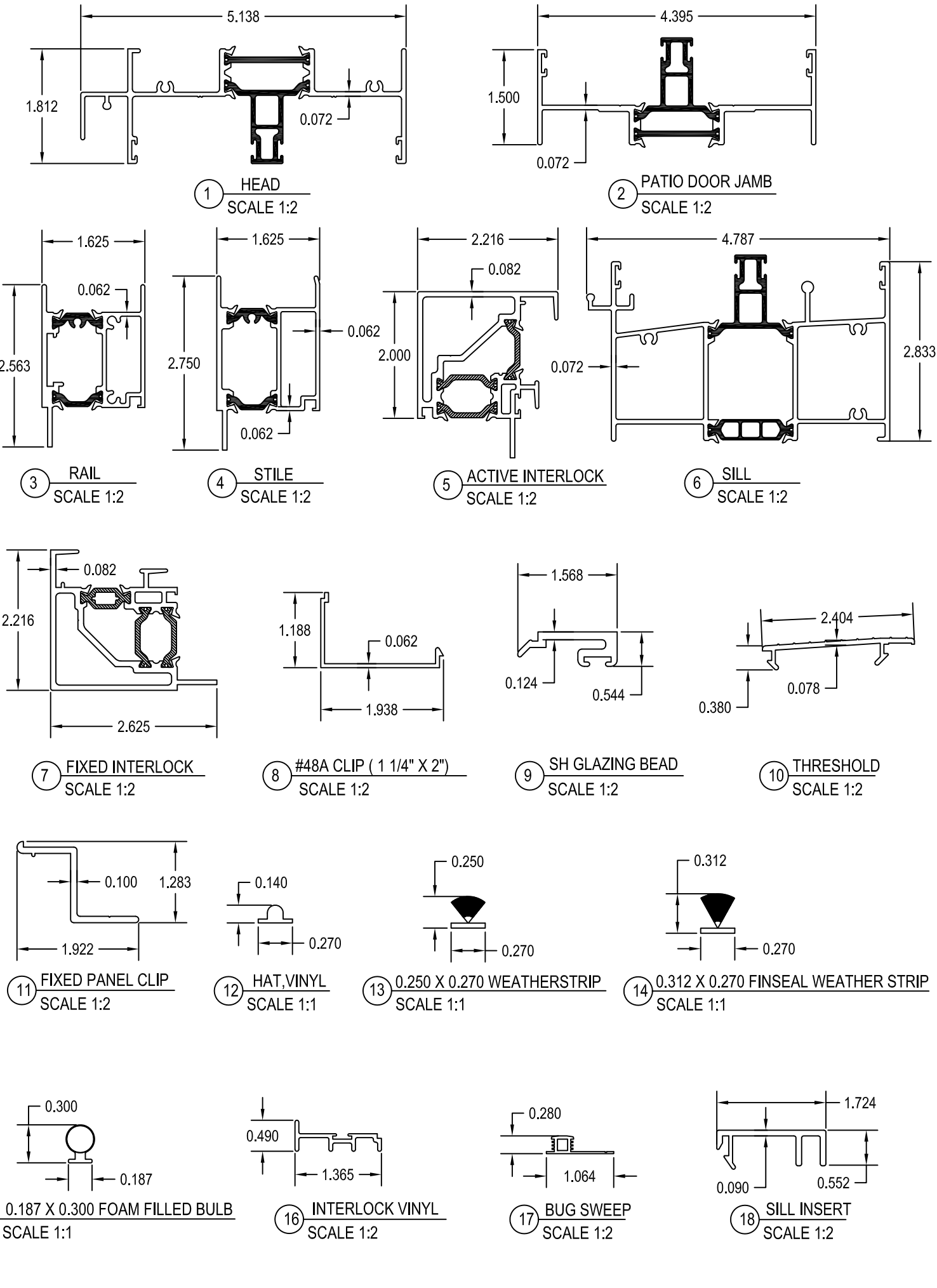


36

SCREEN DOOR STRIKE
SCALE 1:2

MATERIAL PARTS LIST

ITEM#	PART #	DESCRIPTION	MATERIAL
EXTRUSIONS			
1	IF-0700	HEAD	6063-T6 ALUMINUM
2	IF-0702	PATIO DOOR JAMB	6063-T6 ALUMINUM
3	IF-0703	RAIL	6063-T6 ALUMINUM
4	IF-0704	STILE	6063-T6 ALUMINUM
5	IF-0705	ACTIVE INTERLOCK	6063-T6 ALUMINUM
6	IF-0710	SILL	6063-T6 ALUMINUM
7	IF-0714	FIXED INTERLOCK	6063-T6 ALUMINUM
8	S-2030	#48A CLIP (1 1/4" X 2")	6063-T6 ALUMINUM
9	S-4330	SH GLAZING BEAD	6063-T6 ALUMINUM
10	S-4455	THRESHOLD	6063-T6 ALUMINUM
11	S-4456	FIXED PANEL CLIP	6063-T6 ALUMINUM
HARDWARE, GASKET & MISC. PARTS			
12	20-0036	HAT,VINYL	RIGID VINYL
13	20-7002	0.250 X 0.270 WEATHERSTRIP	FINSEAL WEATHERSTRIP
14	20-7064.16	0.312 X 0.270 FINSEAL WEATHER STRIP	FINSEAL WEATHERSTRIP
15	20-4075	0.187 X 0.300 FOAM FILLED BULB	SANTOPRENE THERMOPLASTIC RUBBER
16	20-0741	INTERLOCK VINYL	RIGID PVC
17	20-0276	BUG SWEEP	-
18	20-0740	SILL INSERT	RIGID PVC
19	-	ANCHOR (SEE TABLE 1 ON SHEET 1)	SEE TABLE 1 ON SHEET 1
20	15-0223	#10-16 X 1 1/4" PPH "TEK" 410 SS	410 STAINLESS STEEL
21	15-0129	#10-16 X 1" PPH "TEK" 410 SS	410 STAINLESS STEEL
22	15-0070	#10-14 X 1/2" PFH "AB" SS UNDERCUT	410 STAINLESS STEEL
23	15-0056	#8-18 X 1/2" PFH "TEK" SS	410 STAINLESS STEEL
24	15-0043	#10-12 X 1 1/2" PPH "A" 410 SS	410 STAINLESS STEEL
25	15-0006	#8 -18 X 1" PPH 3/16" LP 410 SS	410 STAINLESS STEEL
26	30-0338	8' S.S. TRACK COVER	T-304 STAINLESS STEEL
27	30-3086	0.150" BUMPON	POLYURETHANE
28	30-3922	KEY OLYMPUS INT. & EZ PULL EXIT HANDLE SET WITH SS LOCK	VARIES
29	30-3886	WEEP COVER	NYLON 69
30	30-4734	PATIO DOOR SCREEN HANDLE EXIT	ALUMINUM
31	30-3976	1-1/2" TANDEM ROLLER	STAINLESS STEEL
32	30-3924	EXTENED KEEPER	ZINC ZAMAC
33	30-3969	1/2" HOLE PLUG	NYLON
34	50-1311	ANCHOR CLIP	S-038 ALUM
35	50-0370	SCREEN LATCH SHIM	PVC VINYL
36	50-0357	SCREEN DOOR STRIKE	ALUMINUM
37	50-0321	P.D. VENT STOP	ALUMINUM
38	H-422	PARTIO DOOR SCREEN STILE/RAIL	6063-T6 ALUMINUM



REV.	DATE	DESCRIPTION	BY
E.C. NO.	xxxx-xx	XX/XX/XX	

9/9/2020

LUCAS A. TURNER, FL P.E. #58201
TURNER ENGINEERING & CONSULTING, INC., FBPE COA #29779
2428 OLD NATCHEZ TRACE TRL
CAMDEN, TN 38320
PH. 941-380-1574, FAX 941-584-8591

 71 PROGRESS AVENUE CRANBURY TOWNSHIP, PA 16066 PHONE (724) 776-7000 FAX (724) 776-7114	SGD948 SLIDING DOOR LARGE MISSILE IMPACT	SCALE: NONE		
			DRAWN BY YSE	DATE 05/10/12
			DRWG. NO. A-SGD948-004	
			SHEET 4 OF 4	