

GENERAL NOTES

1. THE PRODUCT SHOWN HEREIN CONSTRUCTED FROM DECEUNINCK EXTRUDED RIGID PVC FRAMES HAS BEEN TESTED TO AAMA/WDMA/CSA 101/I.S.2/A440 AND ASTM E1886/E1996, AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, 7TH EDITION (2020). CONFIGURATIONS NOTED AS HVHZ APPROVED HAVE ALSO BEEN TESTED TO TAS201/202/203-94, AND ARE ACCEPTABLE FOR USE IN THE HIGH VELOCITY HURRICANE ZONE.

2. THIS PRODUCT IS LARGE MISSILE IMPACT RESISTANT AND DOES NOT REQUIRE THE USE OF IMPACT PROTECTIVE DEVICES (SHUTTERS) IN WINDBORNE DEBRIS REGIONS. THE 104X66 2SL MAY ONLY BE USED IN WIND ZONE 3 AND BELOW IMPACT LOCATIONS.

3. THE DESIGN PRESSURES INDICATED IN THIS DRAWING ARE AS LIMITED BY ASTM E-1300 GLASS TABLES, AND TESTED WATER, STRUCTURAL, AND CYCLIC PRESSURES.

4. THIS DOCUMENT ADDRESSES PRODUCT ANCHORAGE TO ACHIEVE THE INDICATED DESIGN PRESSURES AT THE INDICATED SIZES, IN THE CONFIGURATIONS SHOWN IN THE ELEVATIONS. 'X' INDICATES OPERABLE PANEL, 'O' INDICATES FIXED PANEL. INSTALL PRODUCTS WITH MAXIMUM SHIM GAP, MINIMUM EDGE DISTANCE AND EMBEDMENT, AND WITH FASTENER TYPE AS SHOWN IN THE DETAILS AND AS INDICATED IN TABLE 1. FOR FULL PRODUCT CONSTRUCTION DETAILS SEE NCTL TEST REPORTS 210-4067-01/01A/01B/01C, AND 210-4081-01/01A/01B/01C/02A/02B/03/03B/04/04A

5. APPROVED GLAZING IS AS SHOWN IN GLAZING DETAILS ON SHEET 2 AND AS SPECIFIED IN ALLOWABLE CONFIGURATIONS TABLE ON THIS SHEET.

6. THE 4/3 ALLOWABLE STRESS INCREASE FACTOR (SHORT-TERM INCREASE FACTOR) HAS NOT BEEN USED IN THE ANCHOR ANALYSIS FOR THIS SYSTEM. THE 1.6 Cd FACTOR WAS USED IN THE ANALYSIS OF ANCHORAGE INTO WOOD SUBSTRATE.

7. THE OPENING SUBSTRATE MATERIALS (FRAMING, MASONRY, BUCKS) AND ATTACHMENT OF BUCKS TO THE SUBSTRATE ARE BY OTHERS AND SHALL BE VERIFIED BY THE ARCHITECT OR ENGINEER OF RECORD OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ). BUCKING, OPENINGS, & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED BY OTHERS IN ACCORDANCE WITH THE FBC TO TRANSFER SUPERIMPOSED LOADS TO THE STRUCTURE. WITH MASONRY OPENINGS, WOOD BUCKS ARE OPTIONAL.

8. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE COATED OR OTHERWISE PROTECTED TO PREVENT GALVANIC REACTIONS. WOOD BUCKS, IF USED, SHALL BE PRESSURE TREATED, WITH EITHER A TREATMENT OR COATING COMPATIBLE WITH THIS PRODUCT.

9. ALL ANCHORS USED SHALL BE OF A MATERIAL OR HAVE A COATING COMPATIBLE WITH THE PRESSURE TREATED WOOD BUCKS AND ALL OTHER WINDOW MATERIALS.

10. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS, OR AS APPROVED, SIGNED, AND SEALED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER ON A SITE-SPECIFIC BASIS.

11. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER INFILTRATION RESISTANCE OF THE INSTALLED PRODUCT SHALL BE THE RESPONSIBILITY OF OTHERS AND ARE NOT ADDRESSED BY THIS DOCUMENT.

12. FOR ADDITIONAL REQUIREMENTS SEE GENERAL ANCHOR NOTES, SHEET 5.

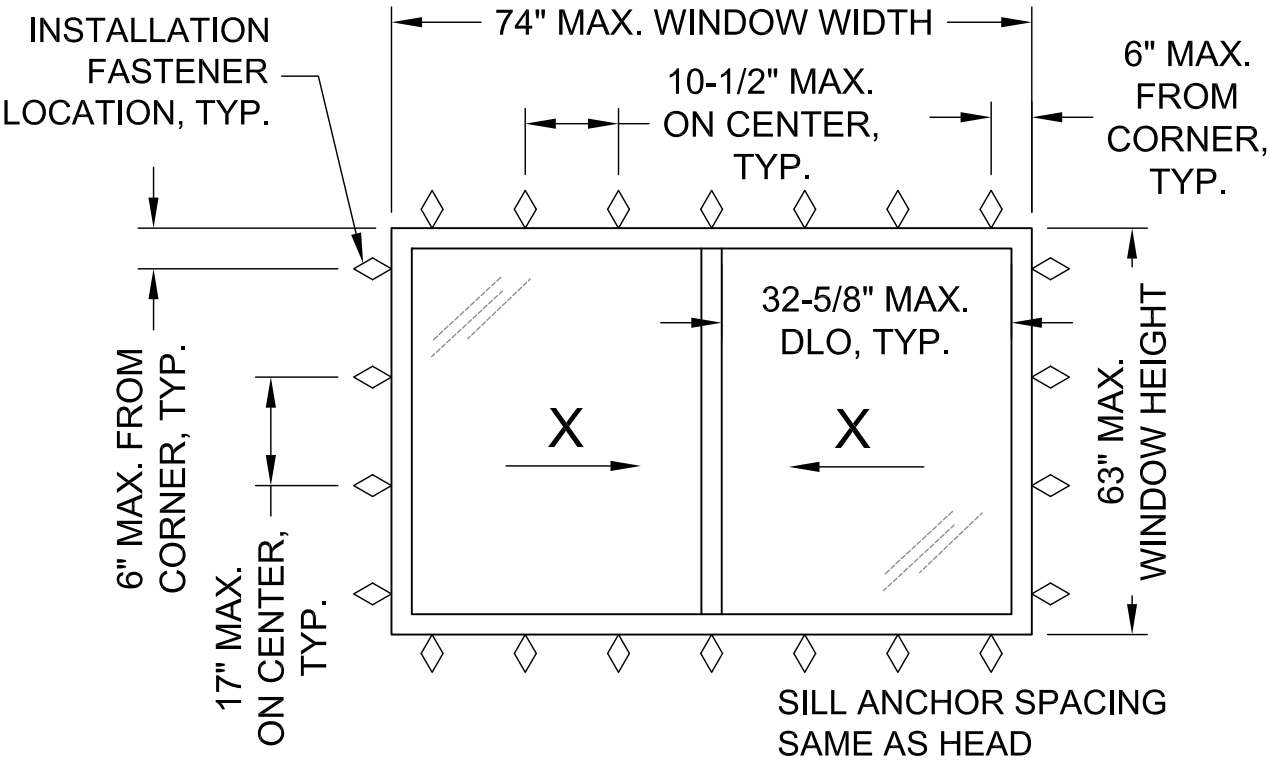
WINFORCE HORIZONTAL SLIDER WINDOW

LARGE MISSILE IMPACT

APPROVED CONFIGURATIONS

CONFIGURATION	REQUIRED GLAZING*	HVHZ APPROVED	DESIGN PRESSURE RATING	IMPACT RATING
74"x63" XX 2SL	TYPE A	YES	+50/-50 PSF	LARGE AND SMALL MISSILE
84"x66" XX 2SL	TYPE B	YES	+50/-50 PSF	
104"x66" XOX EQUAL LITE	TYPE A	YES	+50/-50 PSF	
93"x66" XOX 1/4-1/2-1/4	TYPE A	YES	+55/-55 PSF	
104"x66" XX 2SL	TYPE B	NO	+50/-50 PSF	WIND ZONE 3 MISSILE LEVEL D
104"x66" XOX 1/4-1/2-1/4	TYPE A SASH TYPE B FIXED	NO	+45/-45 PSF	WIND ZONE 4 MISSILE LEVEL D

* SEE GLAZING DETAILS, SHEET 2



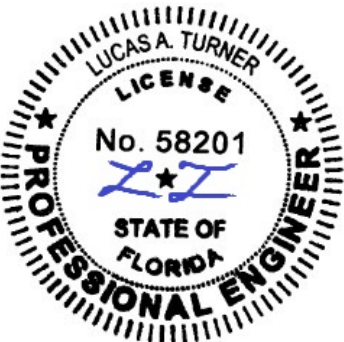
74"x63" XX 2SL ELEVATION

TABLE OF CONTENTS

SHEET	DESCRIPTION
1	NOTES, ELEV., CONFIG. TABLE
2	ELEV., GLAZING
3	XOX ELEV.
4	VERTICAL SECT.
5	HORIZ. SECTIONS
6	BOM, PART DWGS

NORTHEAST BUILDING PRODUCTS

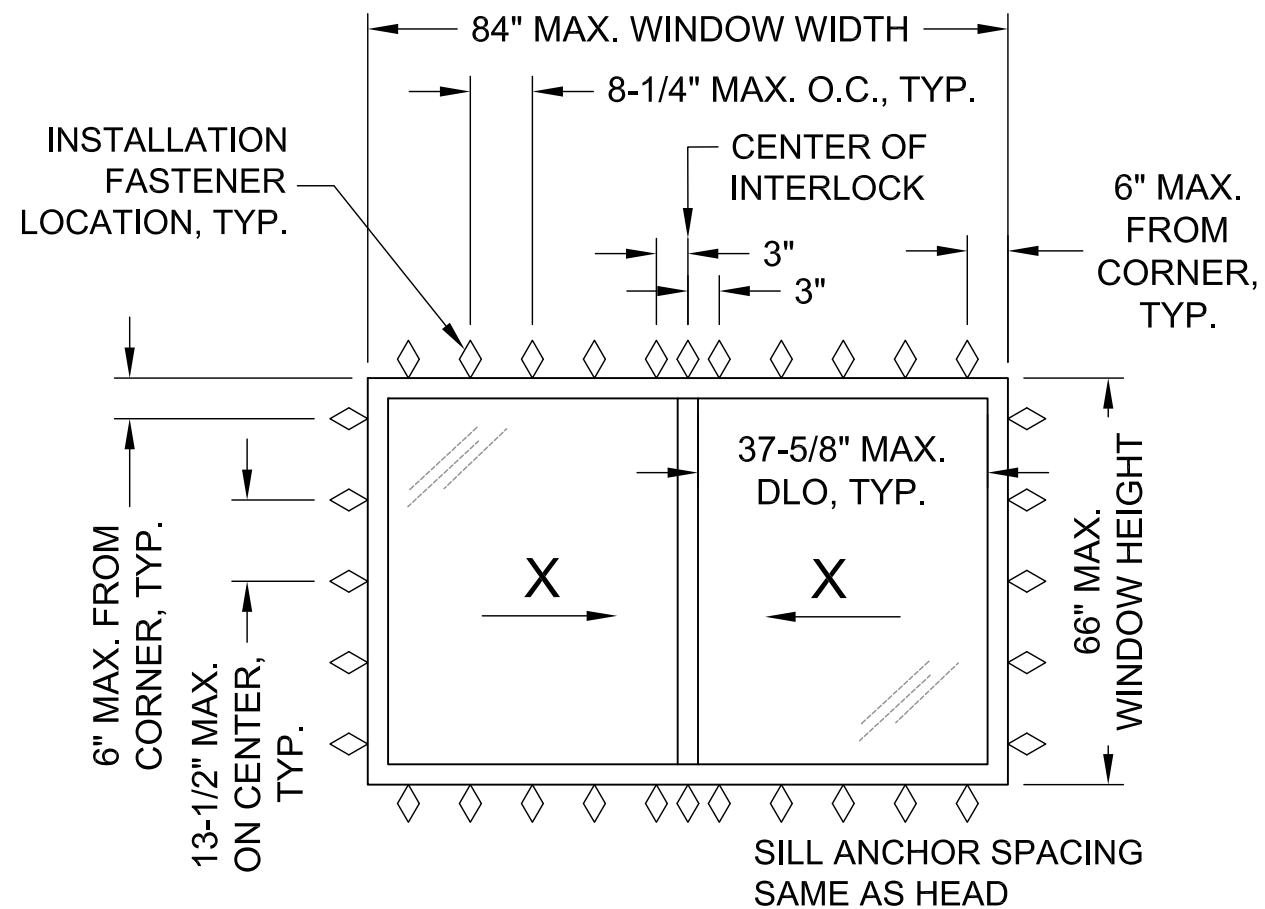
4280 Aramingo Ave., Philadelphia, PA 19124 Ph. (215) 535-7110 www.camelotwindows.com	
SHEET DESCRIPTION: NOTES, ELEVATION	DATE DRAWN: 4/13/2017
SCALE: NTS	REV: B
DRAWING: FPA-WINFORCE-SL-LM	SHEET: 1 OF 6



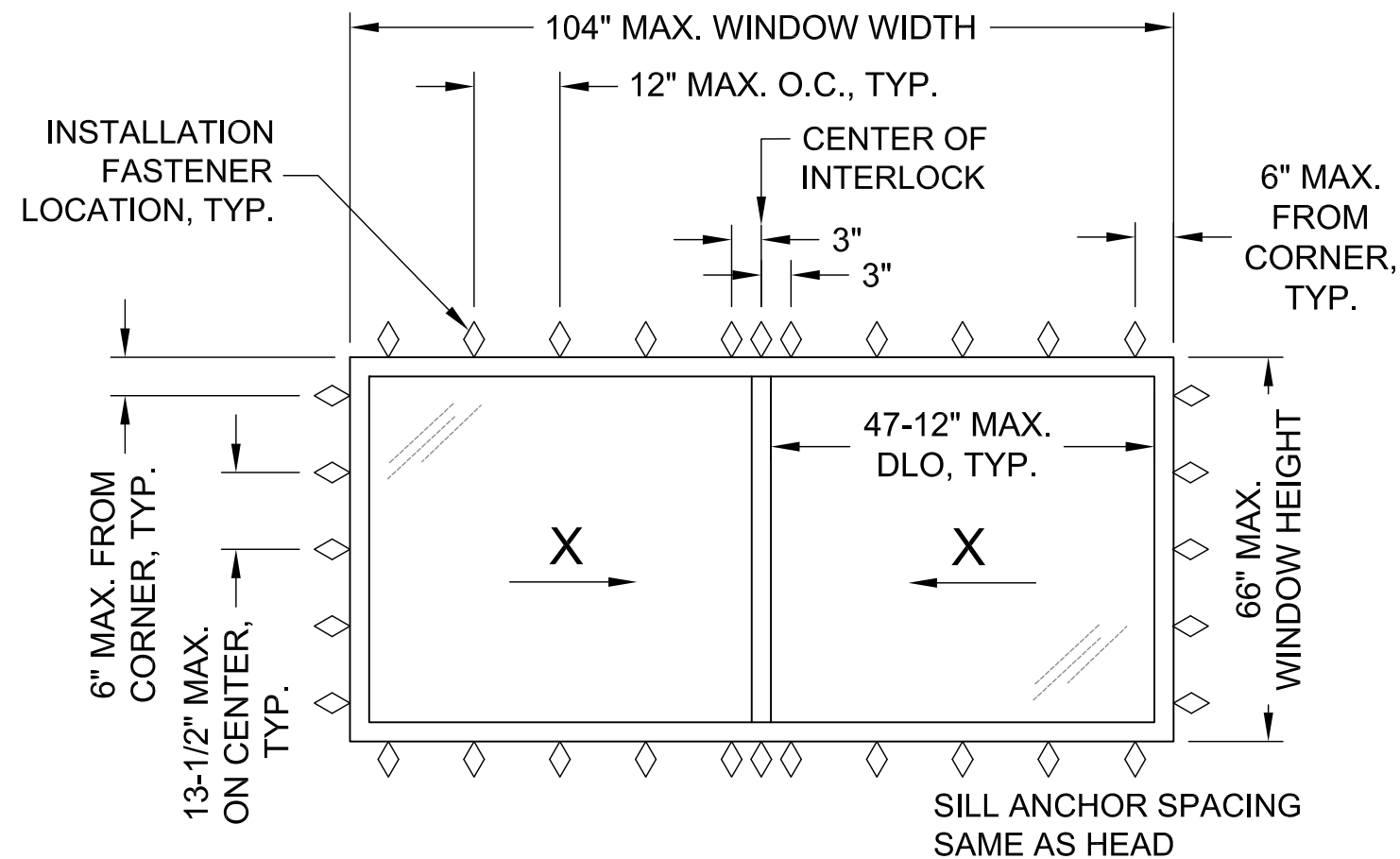
Lucas Turner
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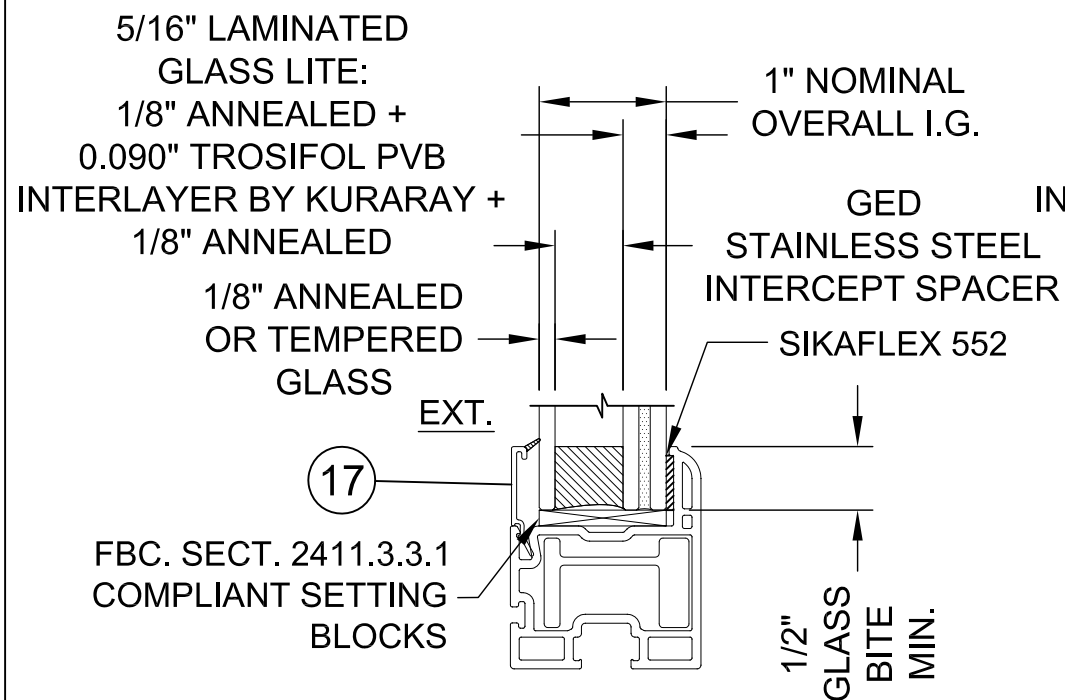
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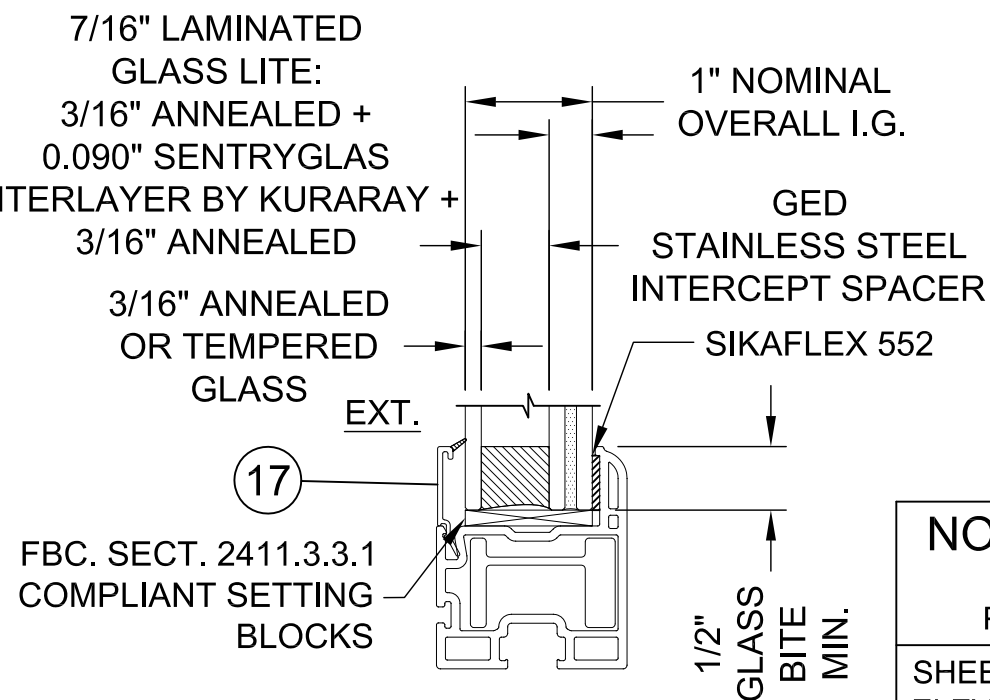
84"x66" XX 2SL ELEVATION



104"x66" XX 2SL ELEVATION



TYPICAL GLAZING DETAIL, TYPE A



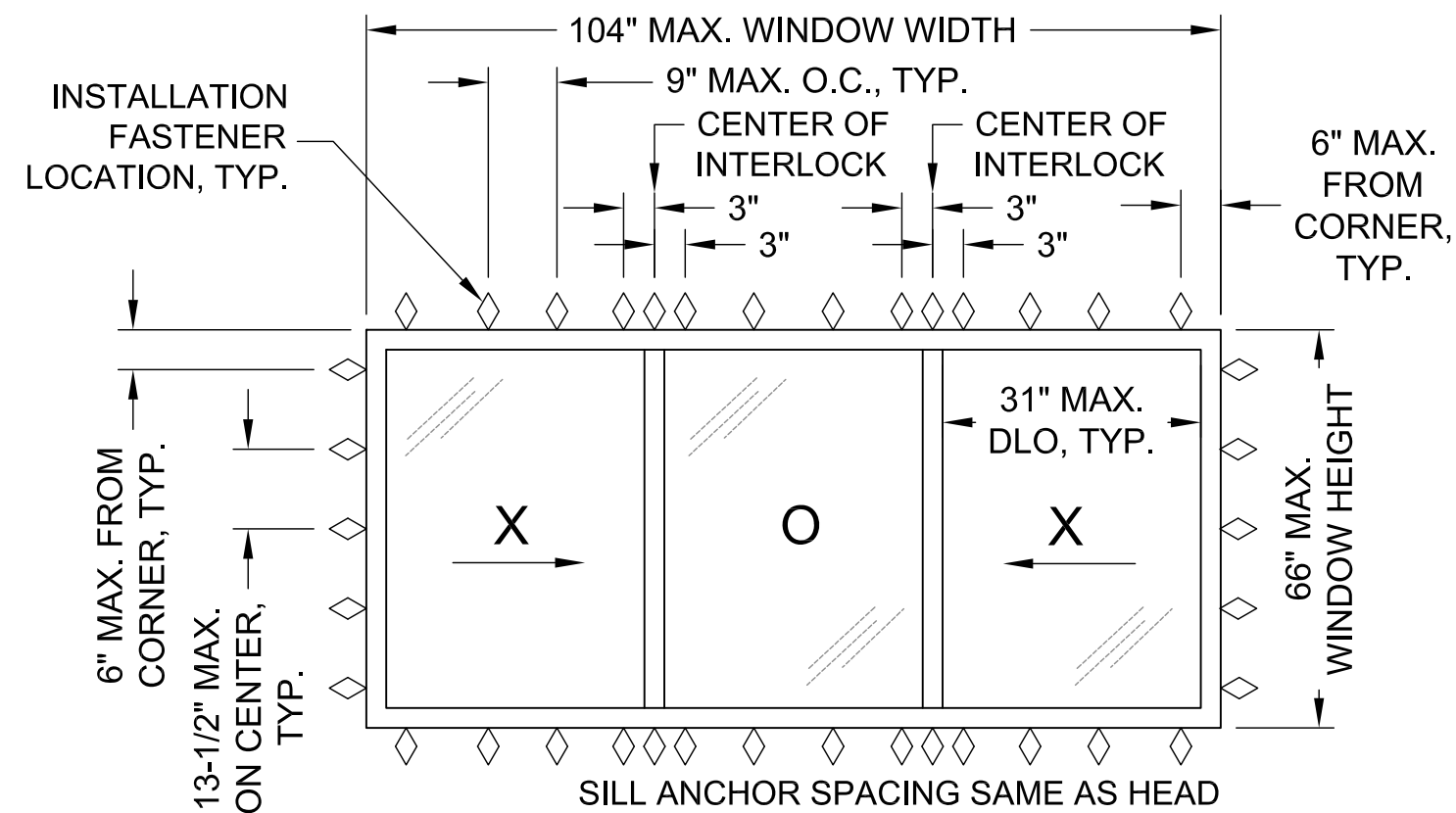
TYPICAL GLAZING DETAIL, TYPE B

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SHEET DESCRIPTION: ELEVATIONS, GLAZING DETAILS	DATE DRAWN: 4/13/2017
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DRAWING: FPA-WINFORCE-SL-LM	SHEET: 2 OF 6

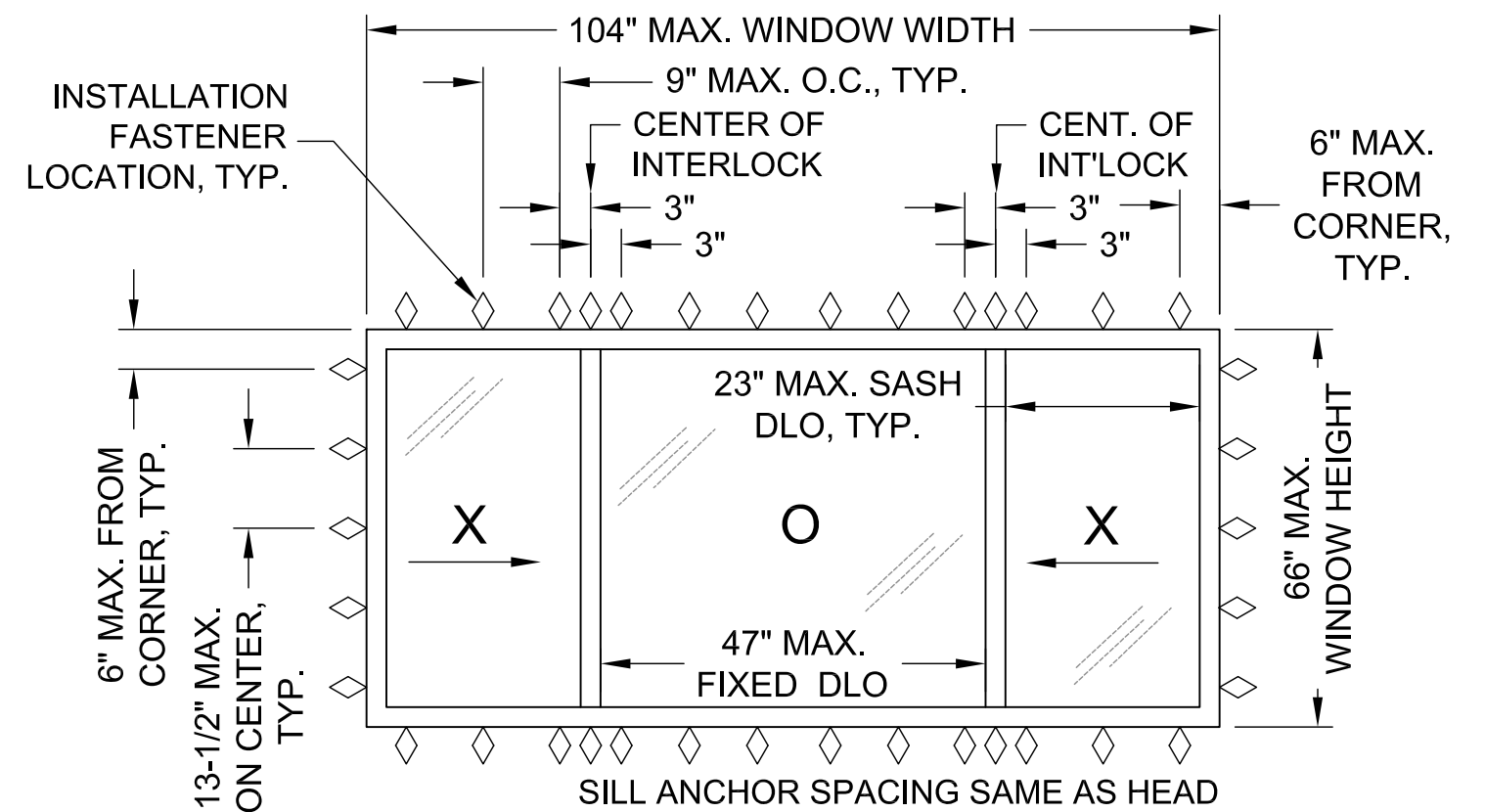


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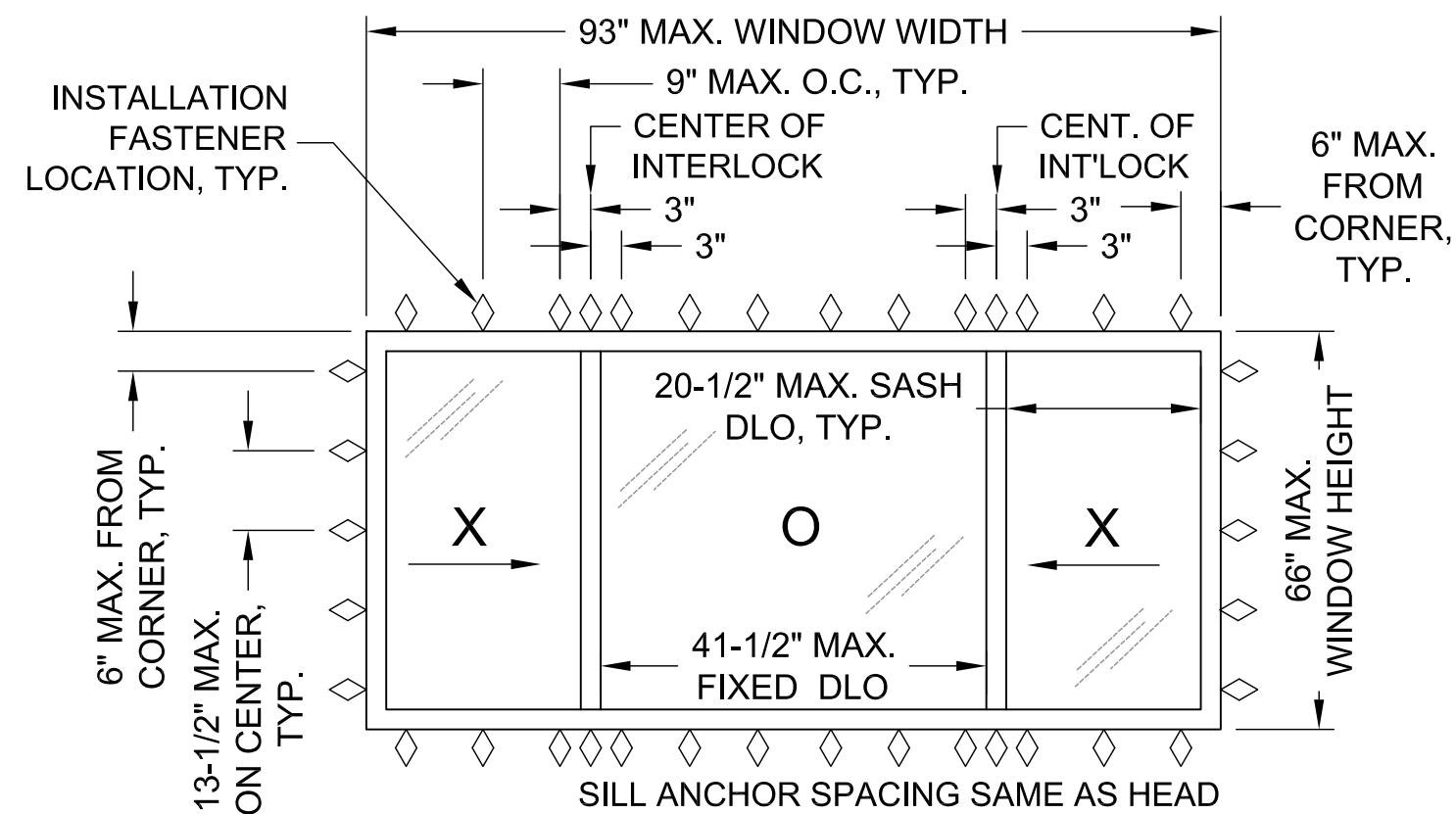
WINFORCE HORIZONTAL SLIDER WINDOW, LARGE MISSILE IMPACT



104"x66" XOX EQUAL LITE ELEVATION



104"x66" XOX 1/4-1/2-1/4 ELEVATION



93"x66" XOX 1/4-1/2-1/4 ELEVATION

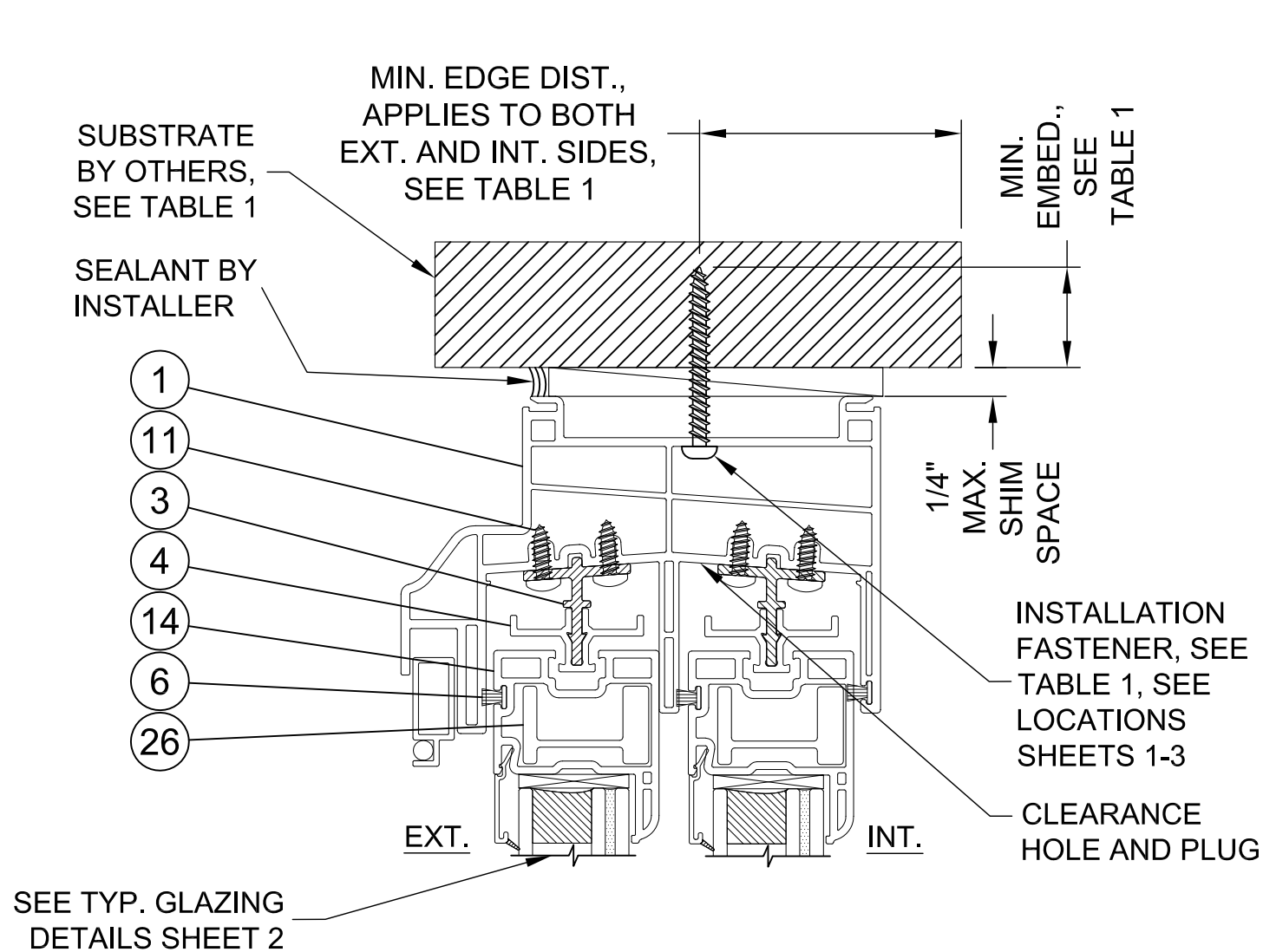
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SCALE: NTS	REV: B
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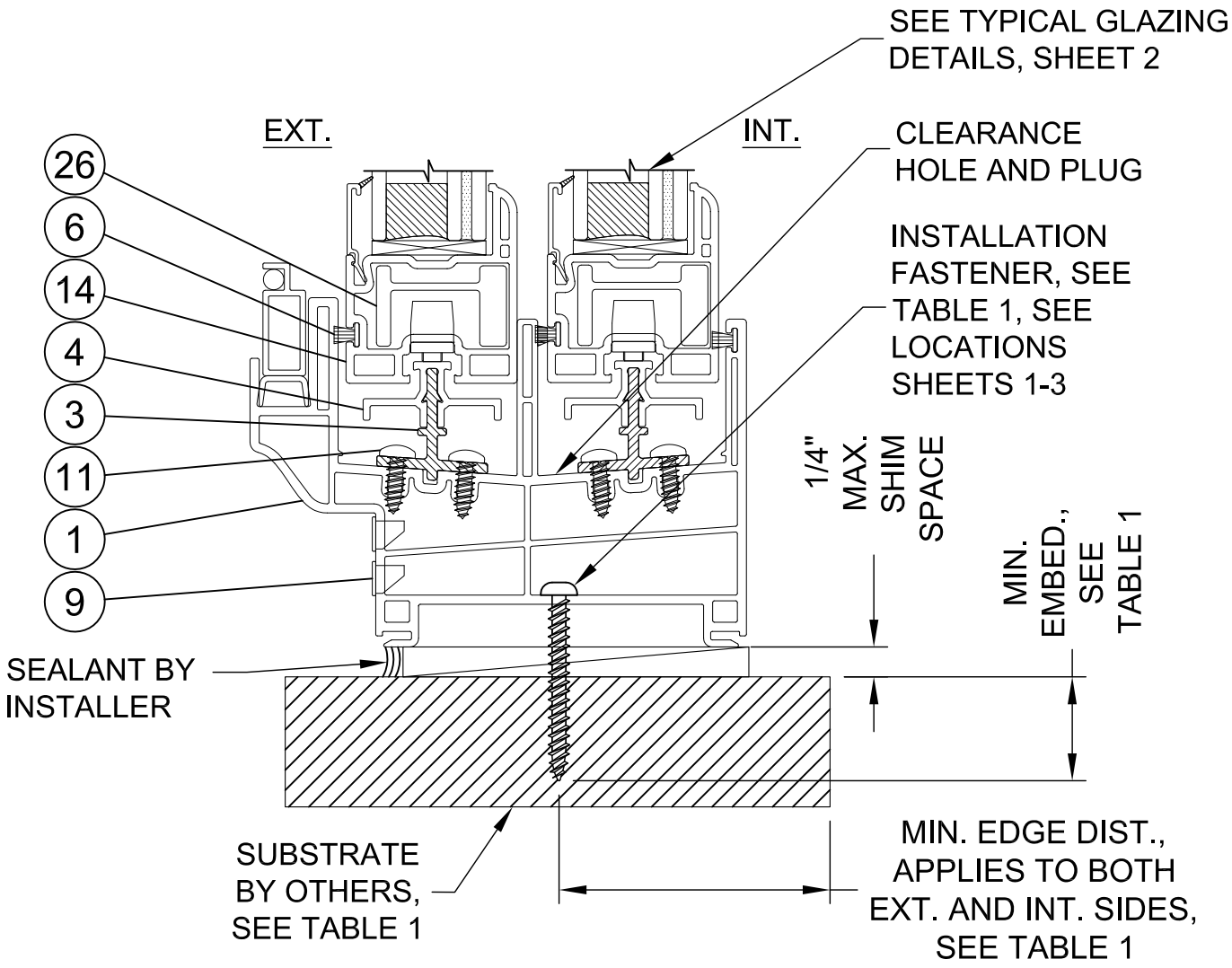
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WINFORCE HORIZONTAL SLIDER WINDOW, LARGE MISSILE IMPACT

SEE GENERAL ANCHOR NOTES, SHEET 5.



TYPICAL HEAD VERTICAL SECTION



TYPICAL SILL VERTICAL SECTION

TABLE 1: EQUAL LEG / FLANGE FRAME INSTALLATION ANCHOR REQUIREMENTS TABLE
NOTE: ALL ANCHORS ARE PAN HEAD OR HEX WASHER HEAD

SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED.	MIN. EDGE DIST.
CONCRETE (2.0 KSI MIN)	3/16" ITW TAPCON	1"	1 1/8"
HOLLOW OR GROUT-FILLED CMU (117 PCF MIN.)	3/16" ITW TAPCON	1"	2"
CONCRETE (2.85 KSI MIN.)	3/16" ELCO ULTRACON	1"	1"
2X MIN. SOUTHERN PINE WOOD (G=0.55)	#10 GRADE 5 WOOD SCREW	1-3/8"	1"
16 GAUGE (0.060") MIN. STEEL STUD, 33KSI YIELD MIN., OR 1/8" ALUM. 6063-T5 MIN.	#10-16 HILTI KWIK-FLEX OR ITW TEKS SELF-DRILLING SCREW	FULL	1/2"

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SHEET DESCRIPTION:
HEAD/SILL INSTALLATION

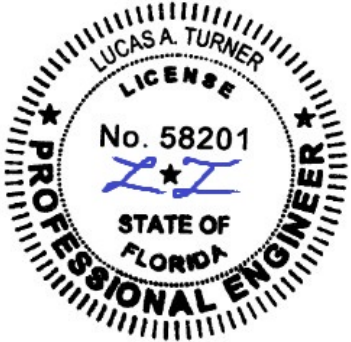
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DATE DRAWN:
4/13/2017

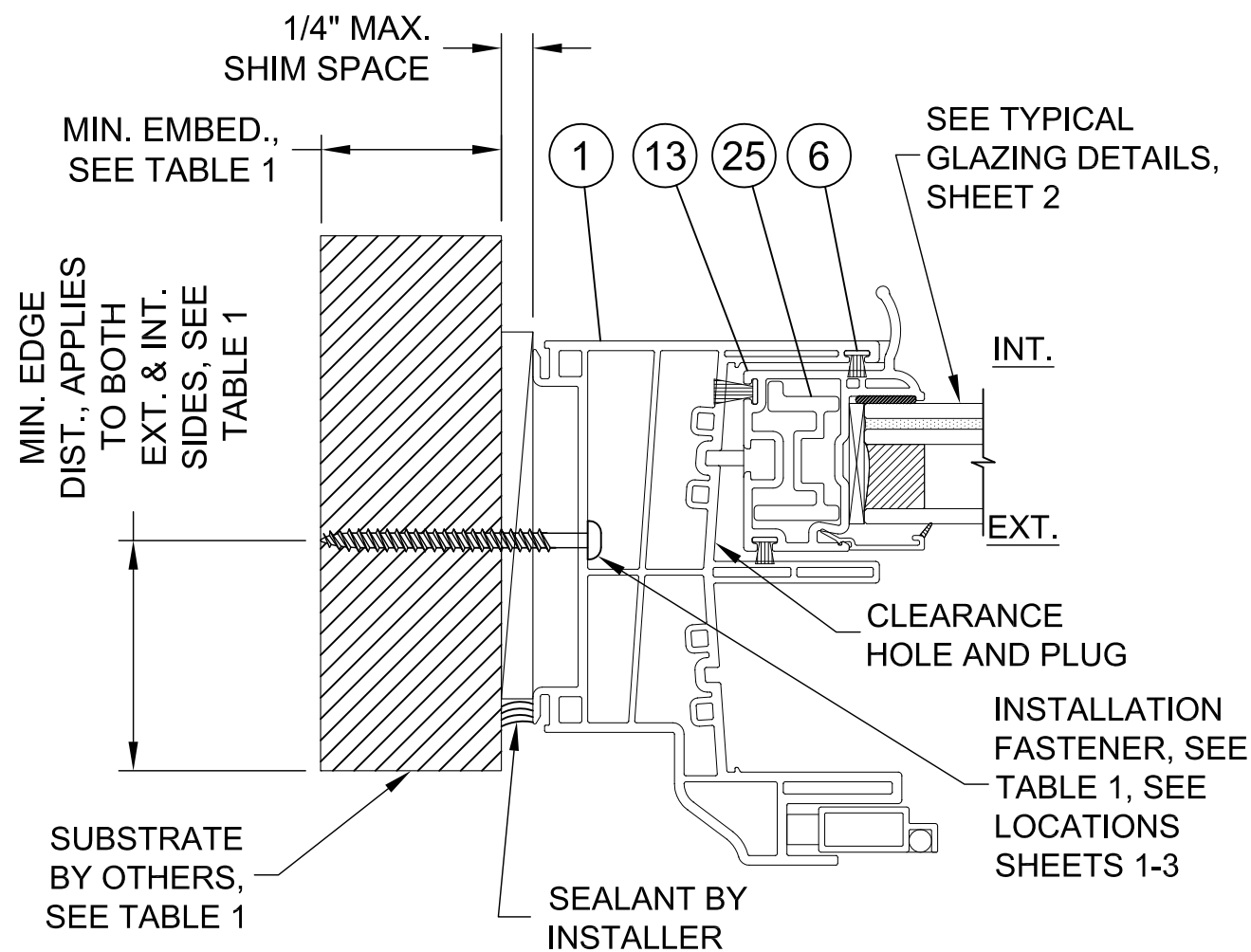
REV: B

SHEET: 4 OF 6

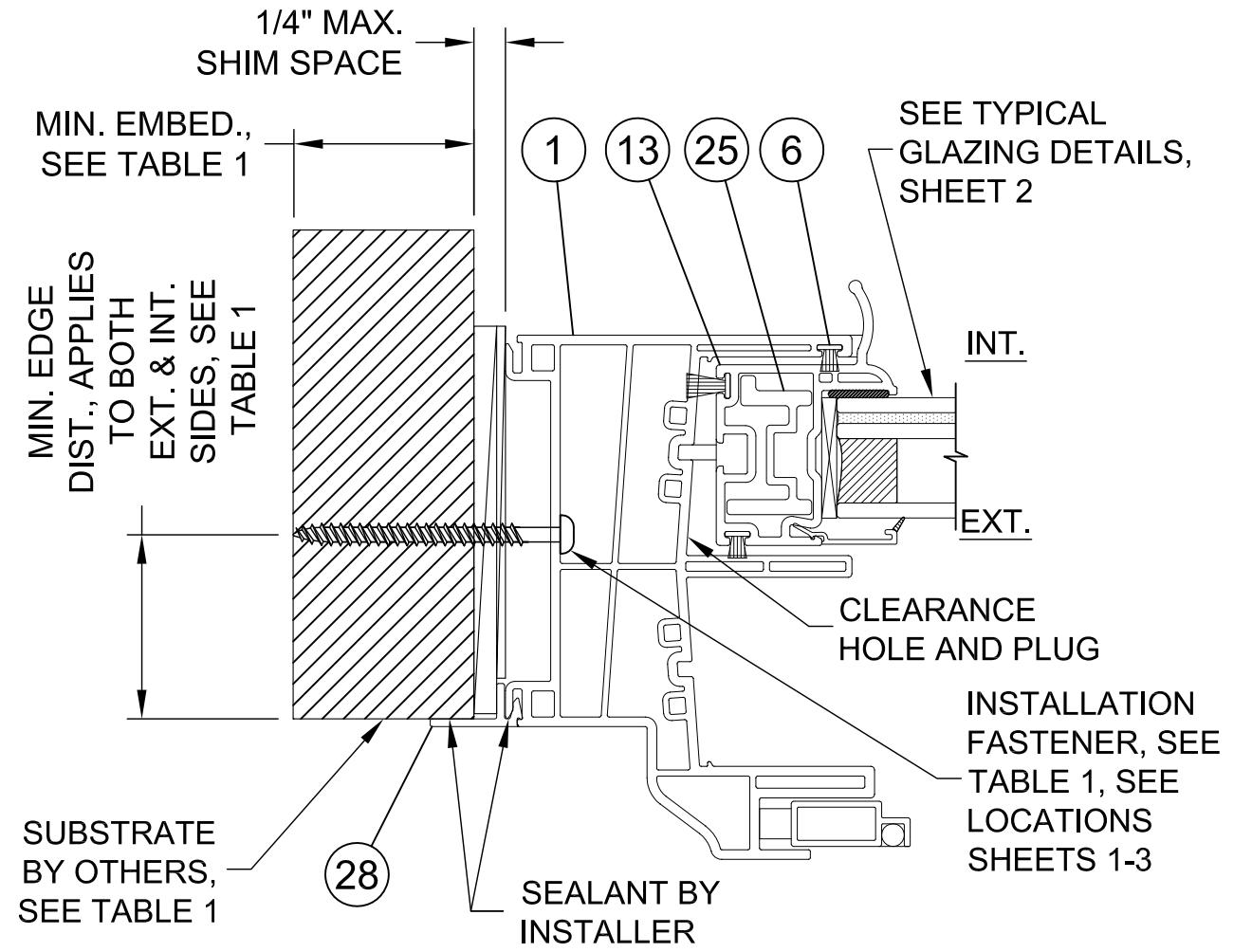


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WINFORCE HORIZONTAL SLIDER WINDOW, LARGE MISSILE IMPACT



TYPICAL JAMB HORIZONTAL SECTION



TYPICAL OPTIONAL ADD-ON FLANGE SECTION, JAMB SHOWN, MAY ALSO BE USED HEAD/SILL

GENERAL ANCHOR NOTES:

- 1. INSTALL ONE ANCHOR AS INDICATED IN DETAILS ON SHEETS 4 AND 5 AT EACH LOCATION SHOWN IN THE ELEVATIONS ON SHEETS 1 THROUGH 3.
- 2. INSTALL SHIMS AT EACH ANCHOR LOCATION WHERE A GAP OF 1/16" OR GREATER EXISTS BETWEEN PRODUCT FRAME AND SUBSTRATE.
- 3. SHIMS SHALL BE LOAD-BEARING (PLASTIC OR METALLIC) AND CAPABLE OF TRANSFERRING LOADS TO SUBSTRATE.
- 4. SPECIFIED ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL FINISH OR STUCCO, BY OTHERS. FOR ATTACHMENT TO METAL SUBSTRATES ENSURE FULL THREAD ENGAGEMENT THROUGH METAL WALL WITH MIN. 3 THREADS BEYOND.
- 5. FOR MASONRY WITH WOOD BUCKS LESS THAN 1-1/2" THICK, EMBEDMENT SHALL BE BEYOND WOOD BUCKS AND INTO MASONRY. WOOD BUCKS ARE OPTIONAL WITH MASONRY INSTALLATIONS WHERE MASONRY EDGE DISTANCE CONDITIONS ARE MET WITH NO BUCKS. WOOD BUCKS 1-1/2" THICK OR GREATER SHALL HAVE EMBEDMENT INTO THE WOOD BUCKS.
- 6. ENSURE 3" MIN. ON-CENTER SPACING BETWEEN ANY TWO INSTALLATION ANCHORS.

NORTHEAST BUILDING PRODUCTS

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SHEET DESCRIPTION:
JAMB INSTALLATION / ALT. FLANGE

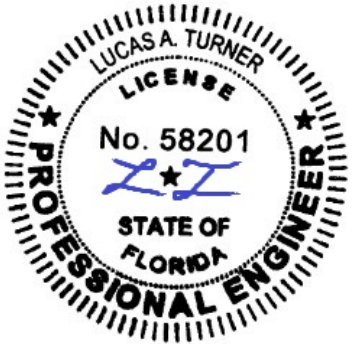
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4/13/2017

SCALE: NTS

REV: B

DRAWING: FPA-WINFORCE-SL-LM

SHEET: 5 OF 6

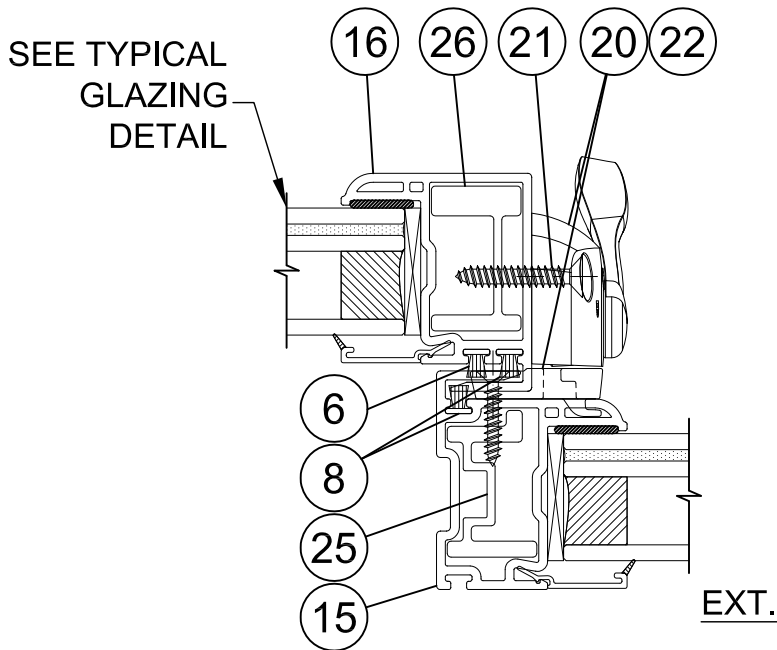
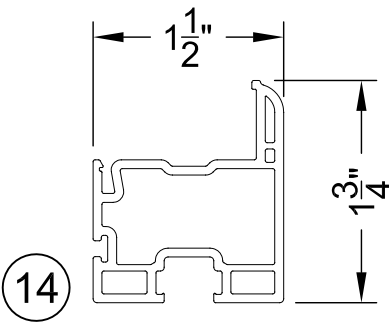
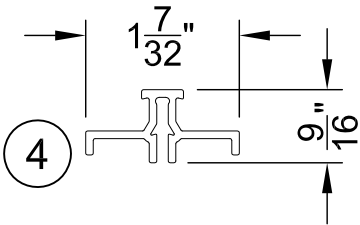
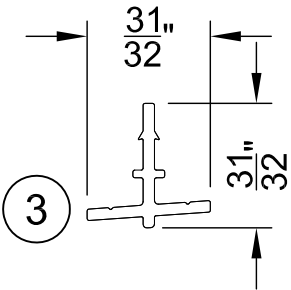
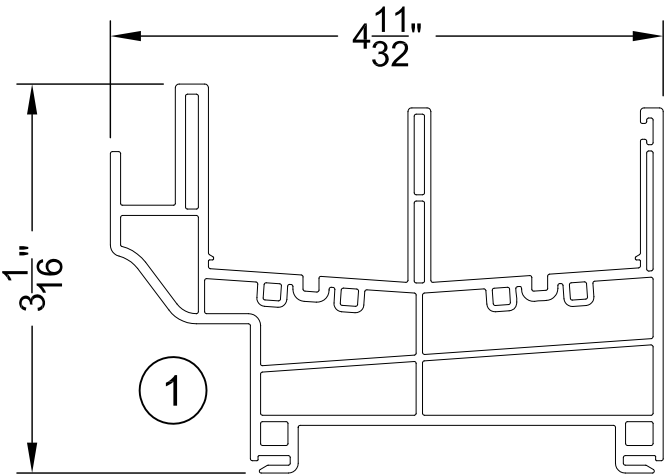


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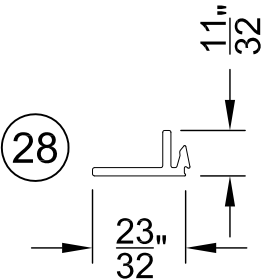
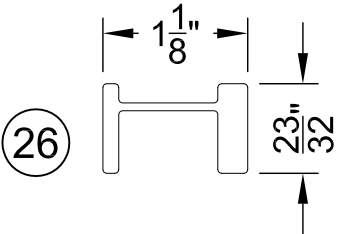
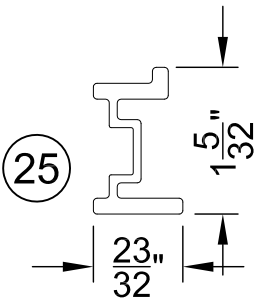
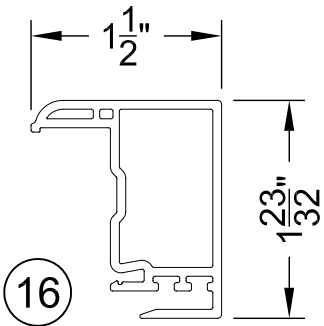
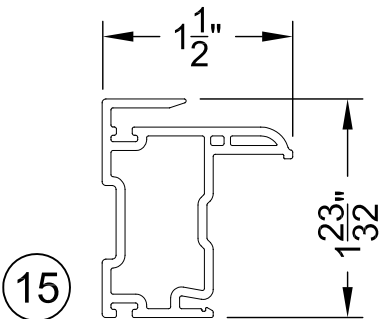
BILL OF MATERIALS

ITEM NO.	DESCRIPTION	PART NO.	SOURCE	MATERIAL
1	HEAD/SILL/JAMB	10005163	DECEUNINCK	PVC
2				
3	HEAD/SILL TRACK INSERT	10300127	ASTRO SHAPES	6005-T5 ALUM.
4	HEAD/SILL TRACK INSERT COVER	10008469	DECEUNINCK	PVC
5				
6	CENTER FIN WEATHERSTRIPPING	.187 BK. x .290 HT.	ULTRA FAB	FIN PILE
7	W'STRIP 1" STRIP @ KEEPER INT'LCK	.270 BK. x .270 HT. ADHESIVE	ULTRA FAB	FIN PILE
8	CENTER FIN WEATHERSTRIPPING	.187 BK. x .220 HT.	ULTRA FAB	FIN PILE
9	WEEP COVERS	900-003	LAWRENCE	PLASTIC
10				
11	HEAD/SILL TRACK SCREWS	#8 x 5/8" PPH TEK	MERCHANTS	STEEL
12				
13	PULL STILE	10005541	DECEUNINCK	PVC
14	TOP/BOTTOM RAIL	10005539	DECEUNINCK	PVC
15	KEEPER STILE	10005543	DECEUNINCK	PVC
16	LOCK STILE	10005542	DECEUNINCK	PVC
17	GLAZING BEAD - 1" IG	10005464 / 10005144	DECEUNINCK	PVC
18				
19	ROLLER	1146	VISION	POLYPROP./ BRASS
20	LOCK - DUAL TECH PASSIVE	D2100AL-XX	ASHLAND	NYLON
21	LOCK SCREW	#8 X 1" PAINTED PFH	MERCHANTS	STEEL
22	KEEPER	13999-999-XX	ASHLAND	TIN-ZINC
23	KEEPER SCREW	#6 X 3/4" PAINTED PFH	MERCHANTS	STEEL
24				
25	REINF. PULL & KEEPER STILE	10300159	ASTRO SHAPES	6005-T5 ALUM.
26	REINF. LOCK STILE & TOP/BOT. RAIL	10300266	ASTRO SHAPES	6005-T5 ALUM.
27	FIXED LITE FLANKER STOPS	2991B	VISION	NYLON
28	ADD ON FLANGE	10008341	DECEUNINCK	PVC

WINFORCE HORIZONTAL SLIDER WINDOW,
LARGE MISSILE IMPACT



LOCK/KEEPER STILES DETAIL



NORTHEAST BUILDING PRODUCTS

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SHEET DESCRIPTION:
BOM, PART DRAWINGS

DATE DRAWN:
4/13/2017

SCALE: NTS

REV: B

DRAWING: FPA-WINFORCE-SL-LM

SHEET: 6 OF 6



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