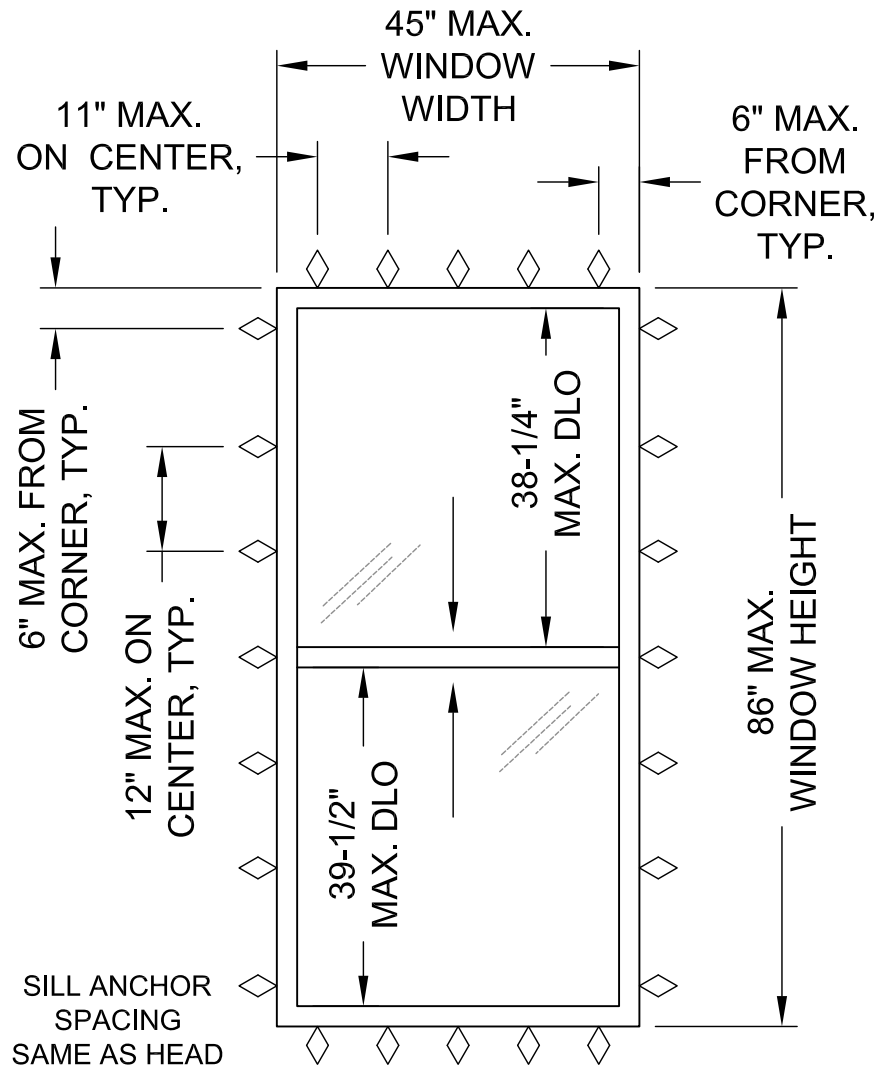
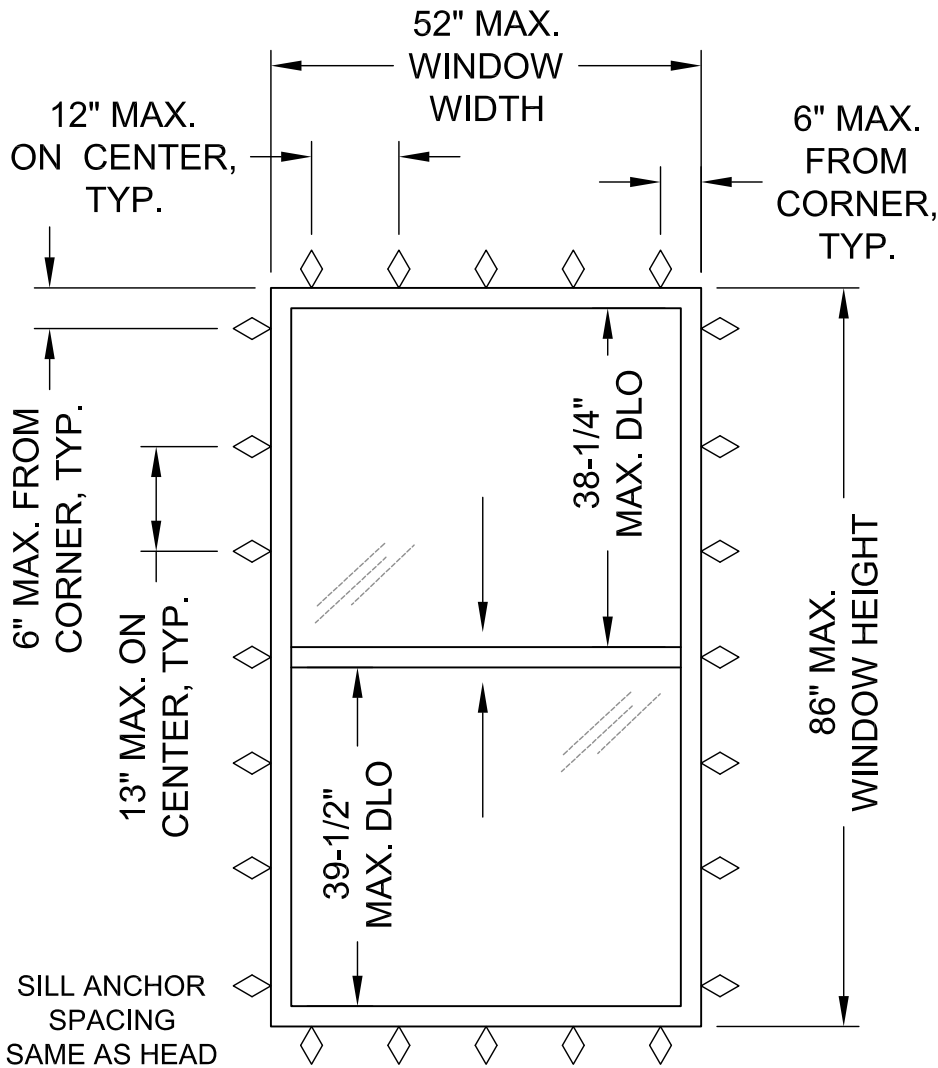


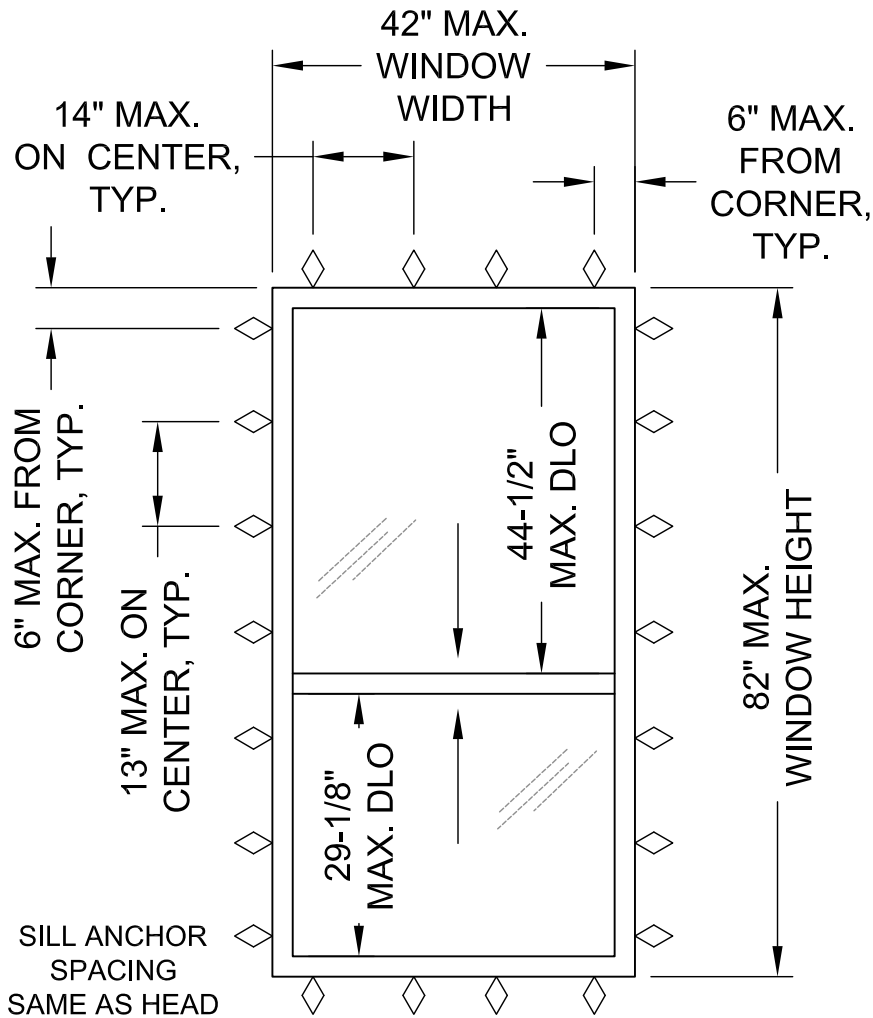
WINFORCE DOUBLE HUNG WINDOW, LARGE MISSILE IMPACT



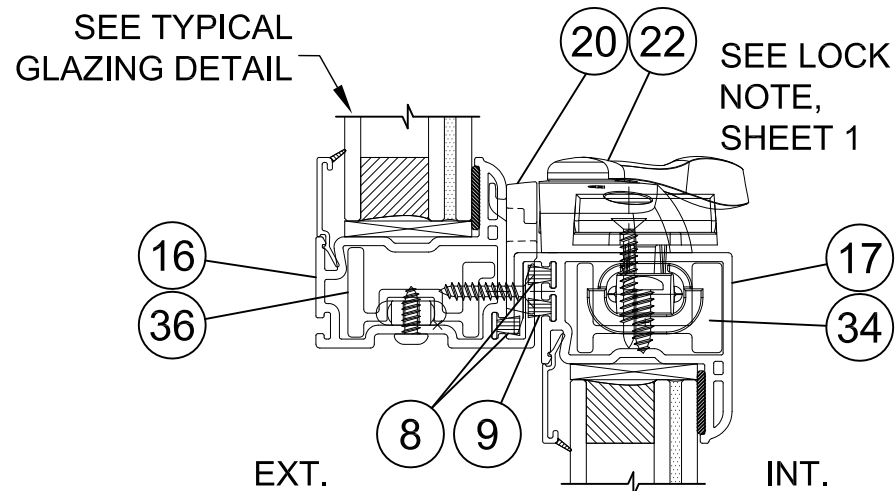
45"x86" EQUAL LITE ELEVATION



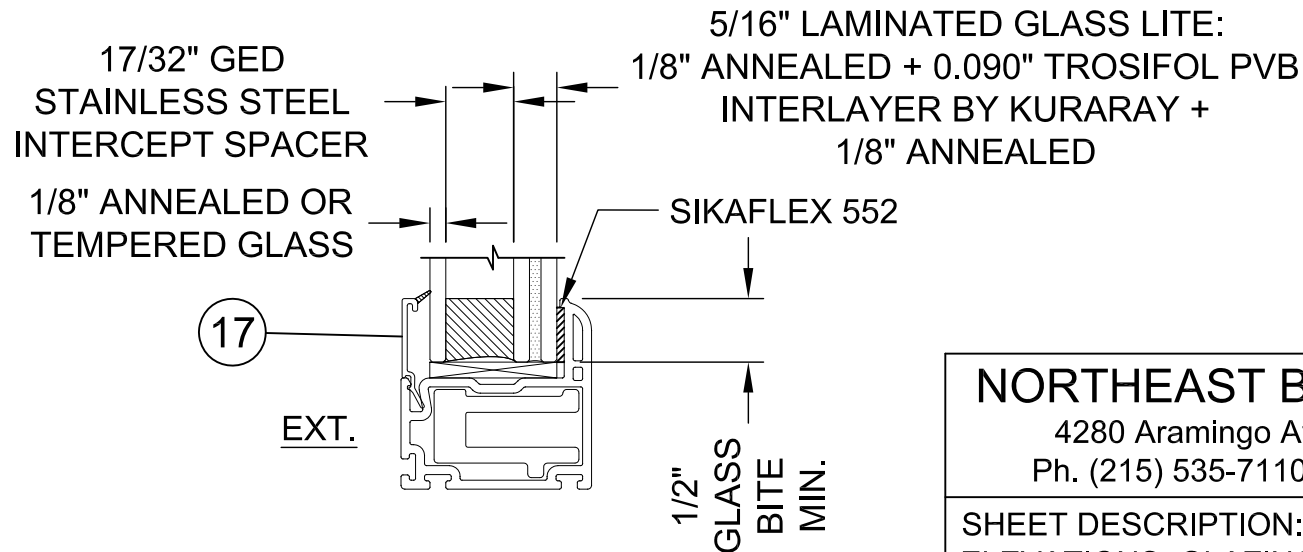
52"x86" EQUAL LITE ELEVATION



42"x82" ORIEL ELEVATION



MEETING RAILS DETAIL



TYPICAL GLAZING DETAIL

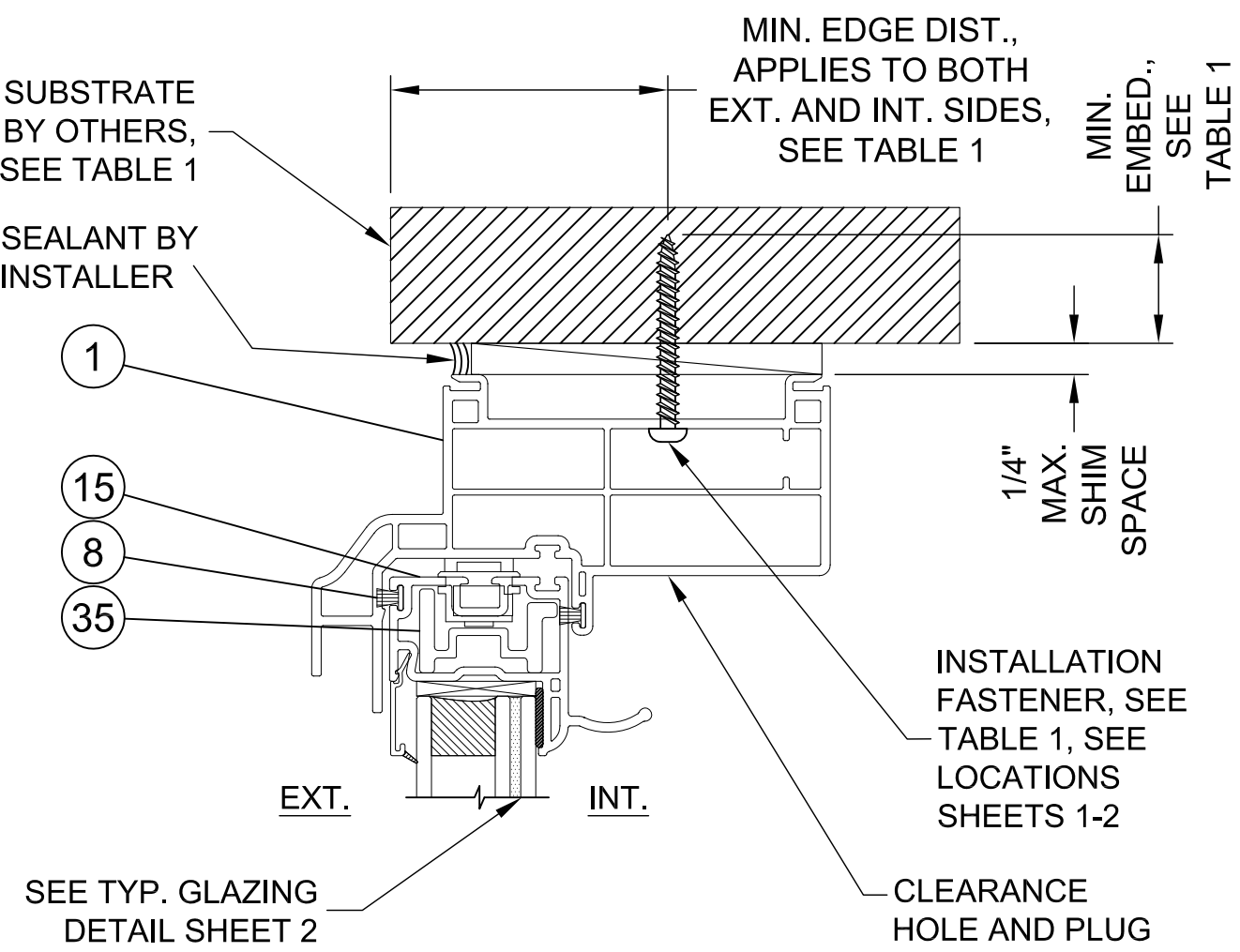
NORTHEAST BUILDING PRODUCTS 4280 Aramingo Ave., Philadelphia, PA 19124 Ph. (215) 535-7110 www.camelotwindows.com	
SHEET DESCRIPTION: ELEVATIONS, GLAZING DETAIL	DATE DRAWN: 4/13/2017
SCALE: NTS	REV: A
DRAWING: FPA-WINFORCE-DH-LM	SHEET: 2 OF 5



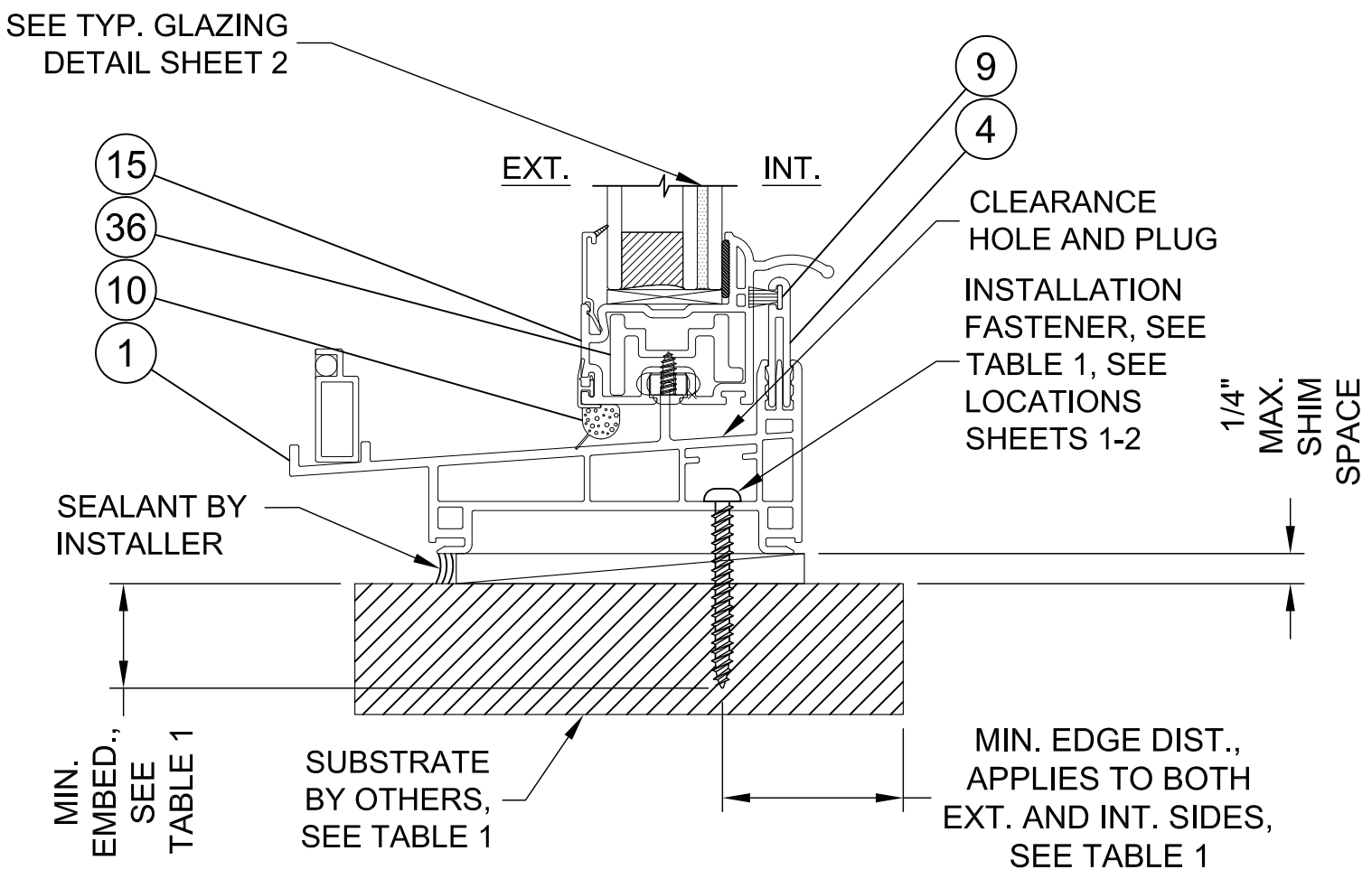
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SEE GENERAL ANCHOR NOTES, SHEET 4.



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

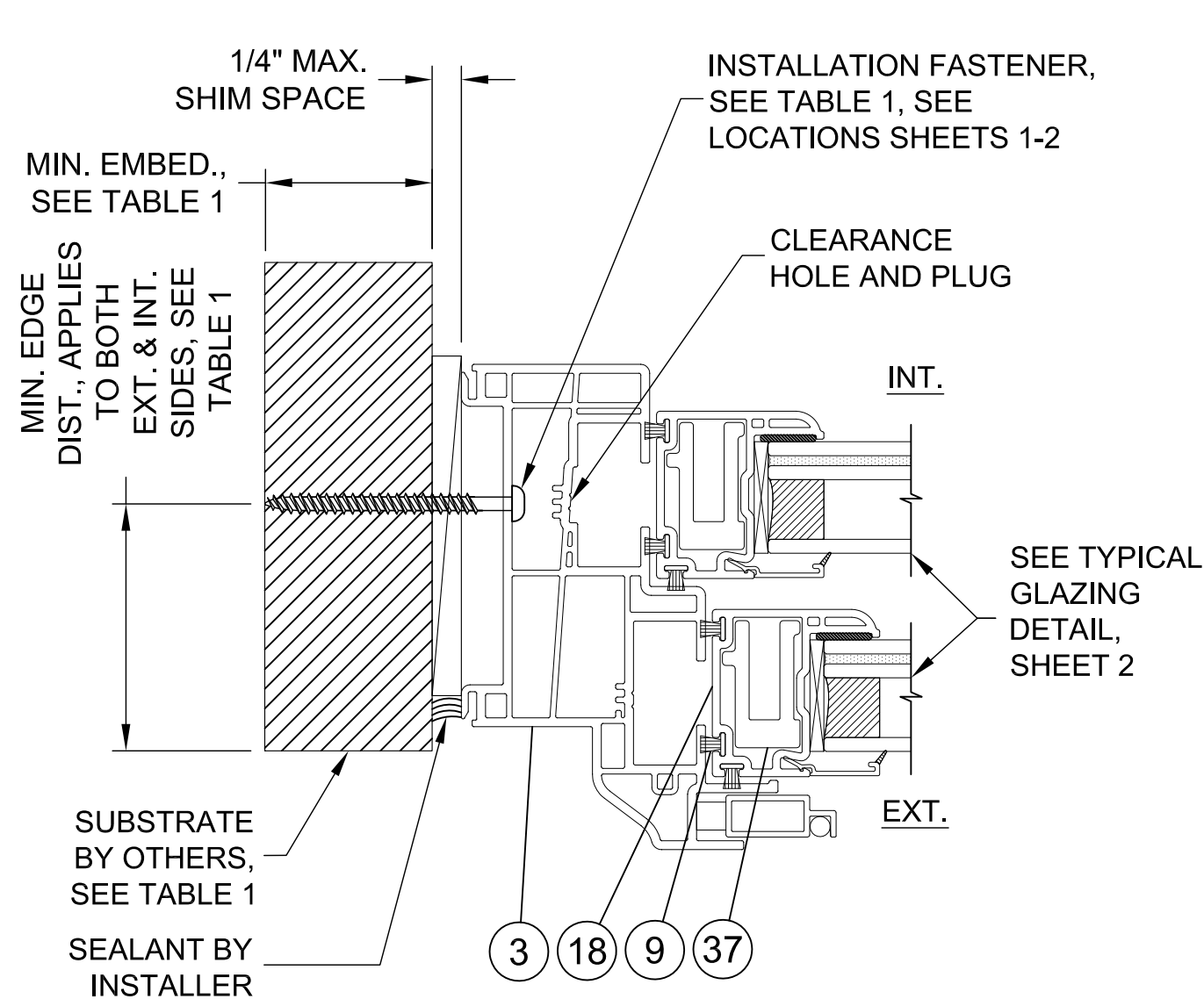
SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED.	MIN. EDGE DIST.
CONCRETE (2.0 KSI MIN)	3/16" ITW TAPCON	1"	1 1/8"
HOLLOW OR GROUT-FILLED CMU (117 PCF MIN.)	3/16" ITW TAPCON	1"	2"
CONCRETE (2.85 KSI MIN.)	3/16" ELCO ULTRACON	1"	1"
2X MIN. SOUTHERN PINE WOOD (G=0.55)	#10 GRADE 5 WOOD SCREW	1-3/8"	1"
16 GAUGE (0.060") 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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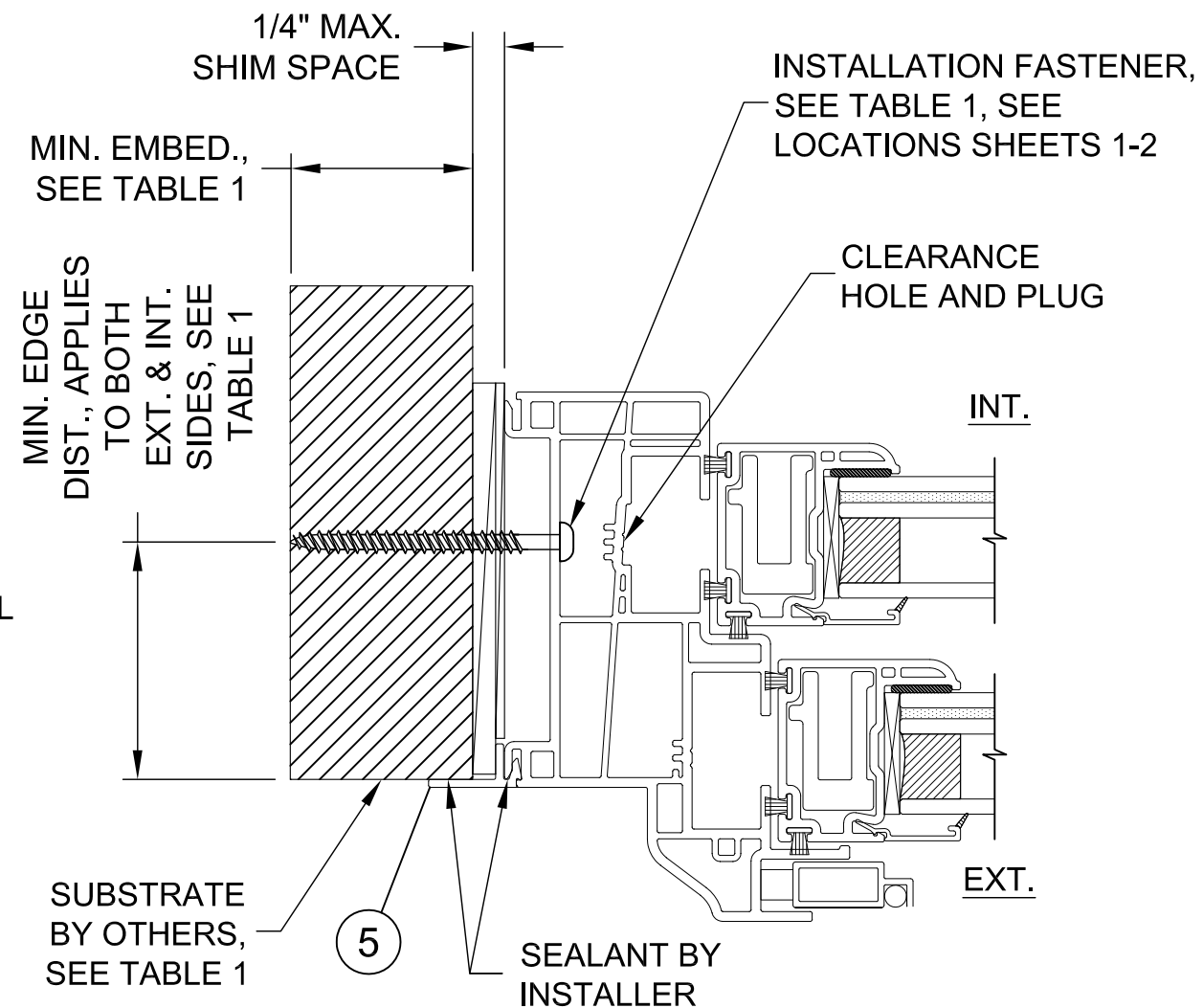
SHEET DESCRIPTION: HEAD/SILL INSTALLATION	DATE DRAWN: 4/13/2017
SCALE: NTS	REV: A
DRAWING: FPA-WINFORCE-DH-LM	SHEET: 3 OF 5

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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 3 AND 4 AT EACH LOCATION SHOWN IN THE ELEVATIONS ON SHEETS 1 AND 2.
- 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.

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SHEET DESCRIPTION:
JAMB INSTALLATION / ALT. FLANGE

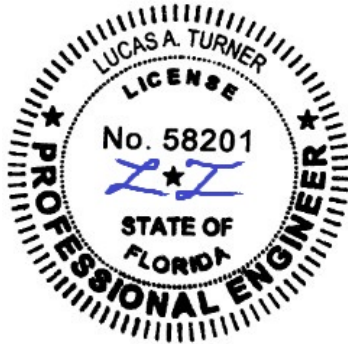
DATE DRAWN:
4/13/2017

SCALE: NTS

REV: A

DRAWING: FPA-WINFORCE-DH-LM

SHEET: 4 OF 5

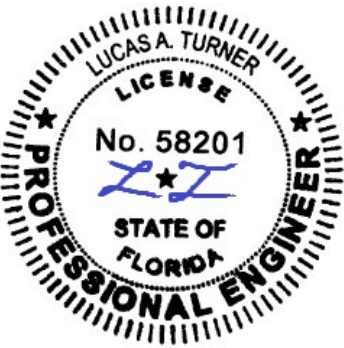
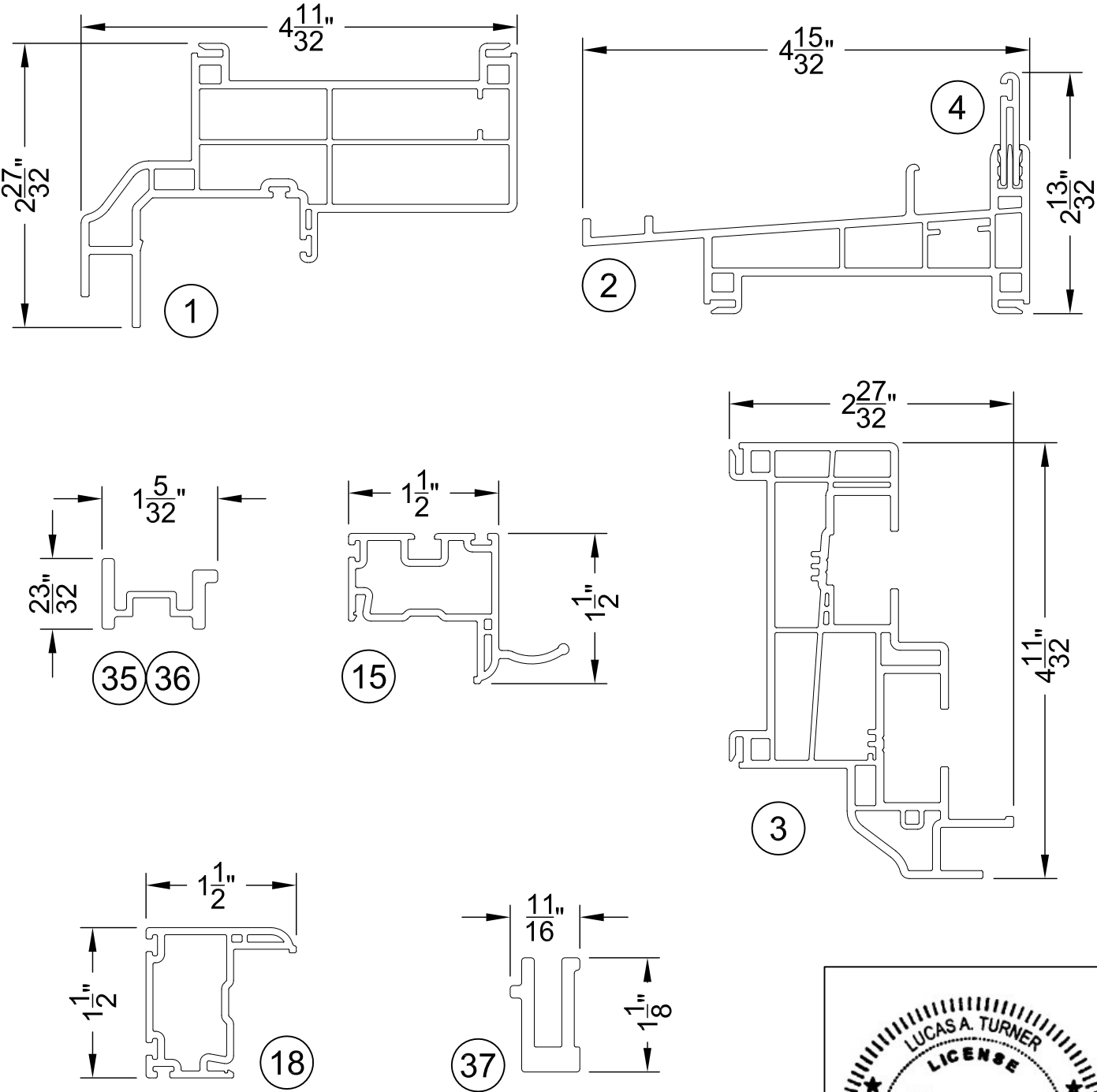


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BILL OF MATERIALS

ITEM NO.	DESCRIPTION	PART NO.	SOURCE	MATERIAL
1	HEAD	10005160	DECEUNINCK	PVC
2	SILL	10005161	DECEUNINCK	PVC
3	JAMB	10005162	DECEUNINCK	PVC
4	SILL EXTENSION	10005131	DECEUNINCK	PVC
5	ADD-ON FLANGE	10008341	DECEUNINCK	PVC
6	SASH STOP	10008483	DECEUNINCK	PVC
7				
8	WEATHER STRIPPING	.187 BK X .220 HT	ULTRA FAB	FIN PILE
9	WEATHER STRIPPING	.187 BK X .290 HT	ULTRA FAB	FIN PILE
10	WEATHER SEAL - SILL	FOAM FILLED BULB	AMESBURY	FOAM/POLYETH.
11	BALANCE CLIP	ROLLER TILT - RT562	CALDWELL	
12	FRAME SCREWS - SILL TO JAMB	#8 X 1/2" PPH - SS	MERCHANTS	ST. STEEL
13	BALANCE SCREWS	#8 X 7/8" PFH - SS	MERCHANTS	ST. STEEL
14				
15	TOP/BOT. LIFT RAIL	10005541	DECEUNINCK	PVC
16	KEEPER RAIL	10005543	DECEUNINCK	PVC
17	LOCK RAIL	10005542	DECEUNINCK	PVC
18	TOP/BOT. STILE	10005540	DECEUNINCK	PVC
19	BULB SEAL	10008206	DECEUNINCK	PVC
20	GLAZING BEAD - 1" IG (IMPACT)	10005464 / 10005144	DECEUNINCK	PVC
21	PIVOT BAR	16Y513 STAINLESS STEEL	CALDWELL	ST. STEEL
22	PIVOT BAR SCREW	#6 x 5/8" PPH TEK - SS	MERCHANTS	ST. STEEL
23	LOCK	D2100AL-XX	ASHLAND	TIN-ZINC
24	LOCK SCREW	#8 X 1" PAINTED PFH	MERCHANTS	STEEL
25	KEEPER	13999-999-XX	ASHLAND	TIN-ZINC
26	KEEPER SCREW	#6 X 3/4" PAINTED PFH	MERCHANTS	STEEL
27	VENT STOP	1760	VISION	VINYL
28	TILT LATCH - UPPER SASH	7397 FC-R / 7397 FC-L	VISION	VINYL
29	TILT LATCH - LOWER SASH	20F0041 (LH) / 20F0042 (RH)	CALDWELL	VINYL
30	TILT LATCH SCREW - LOWER SASH	#8 X 3/8" PPH TEK	MERCHANTS	STEEL
31	TILT LATCH THUMB BUTTON	20F000501/502	CALDWELL	VINYL
32	W'STRIP 1" STRIP @ KEEPER INT'LCK	.270 BK. x .270 HT. ADHESIVE	ULTRA FAB	FIN PILE
34	LOCK RAIL REINFORCEMENT	10300266	ASTRO SHAPES	6005-T5 ALUM.
35	TOP LIFT RAIL REINFORCEMENT	10300159	ASTRO SHAPES	6005-T5 ALUM.
36	KEEPER / BOTTOM LIFT RAIL REINF.	10300159	ASTRO SHAPES	6005-T5 ALUM.
37	STILE REINFORCEMENT	10300166	ASTRO SHAPES	6005-T5 ALUM.

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SHEET DESCRIPTION:
 BILL OF MATERIALS, PART DWGS

DATE DRAWN:
 4/13/2017

SCALE: NTS

REV: A

DRAWING: FPA-WINFORCE-DH-LM

SHEET: 5 OF 5