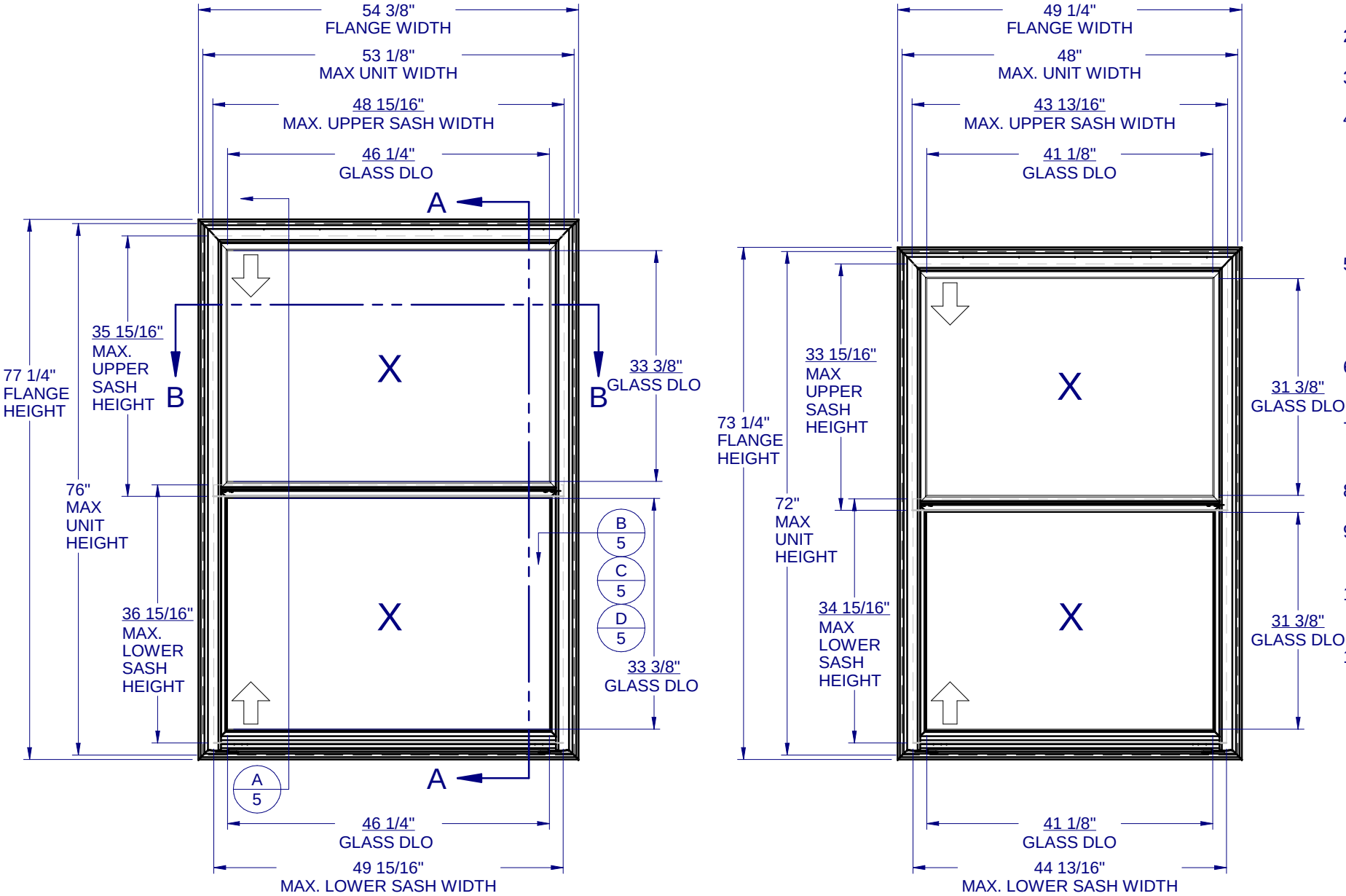


DOUBLE HUNG - LARGE MISSILE IMPACT



GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE FLORIDA BUILDING CODE (FBC), CURRENT EDITION AND IS RATED FOR MISSILE LEVEL D IMPACT USE IN WIND ZONE 3 AREAS AS DEFINED IN ASTM E 1996 PER THE FBC.
- THIS PRODUCT MAY NOT BE USED IN THE HIGH VELOCITY HURRICANE ZONE (HVHZ) OR IN ASTM E 1996 WIND ZONE 4 AREAS.
2. GLAZING OPTIONS: (SEE SHEET 2)
3. CONFIGURATIONS: "X/X".
4. DESIGN PRESSURE RATING:
-NEGATIVE DESIGN LOADS BASED ON, TESTED PRESSURE AND GLASS TABLES ASTM E-1300-04e01/09.
-POSITIVE DESIGN LOADS BASED ON, TESTED PRESSURE, WATER INFILTRATION TEST PRESSURE AND GLASS TABLES ASTM E-1300-04e01/09.
5. ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. SEE SHEET 5 FOR ANCHOR DETAILS. WINDLOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
6. PRODUCT APPROVED FOR IMPACT RESISTANCE. SHUTTERS ARE NOT REQUIRED.
7. ALL FRAMES AND VENTS FULLY WELDED. SMALL JOINT SEAM SEALANT USED AT FIXED MEETING RAIL AND JAMB.
8. SERIES / MODEL DESIGNATION DH-6500.
9. THE DESIGNATION X AND O STAND FOR THE FOLLOWING:
X = OPERABLE SASH
10. SECTION CALLOUTS APPLY TO ALL ELEVATIONS IN A SIMILAR LOCATION.
11. EXTERNAL WEEP SLOT = 1/2 x 2-1/2" LOCATED 5" FROM BOTH ENDS.

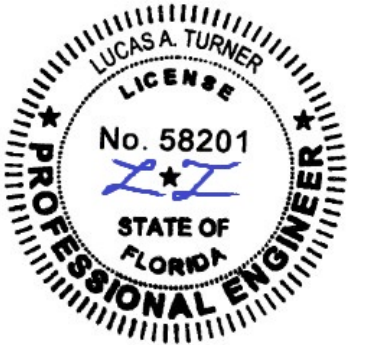
Custom WINDOW SYSTEMS

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OCALA, FLORIDA 34474
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6500 PVC DOUBLE HUNG IMPACT

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Lucas Turner
2020.07.27
11:24:20
-05'00'

7/23/2020

LUCAS A. TURNER, P.E.
FL PE # 58201
2428 Old Natchez Trc Trl
Camden, TN 38320
PH. 941-380-1574

SHEET DESCRIPTION:

GENERAL NOTES AND ELEVATIONS

DRAWN BY:	DATE:
EMK	05/26/15
DWG #:	REV.:
CWS-1069	D
SCALE:	SHEET
1:20	1 OF 5

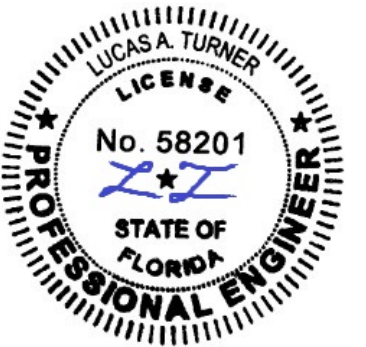
TABLE OF CONTENTS

GENERAL NOTES & ELEVATIONS.....1
SECTION VIEWS & GLAZING.....2
EXTRUSIONS & B.O.M.....3
ANCHOR SCHEDULE & NOTES.....4
INSTALLATION DETAILS.....5

MAX. UNIT SIZE	DESIGN PRESSURE RATING	IMPACT RATING
53-1/8" x 76"	+/- 45 PSF	LARGE MISSILE IMPACT
48" x 72"	+/- 50 PSF	

6500 PVC
DOUBLE HUNG
IMPACT

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SHEET DESCRIPTION:

SECTION VIEWS AND
GLAZING DETAIL

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05/26/15

DWG #:

CWS-1069

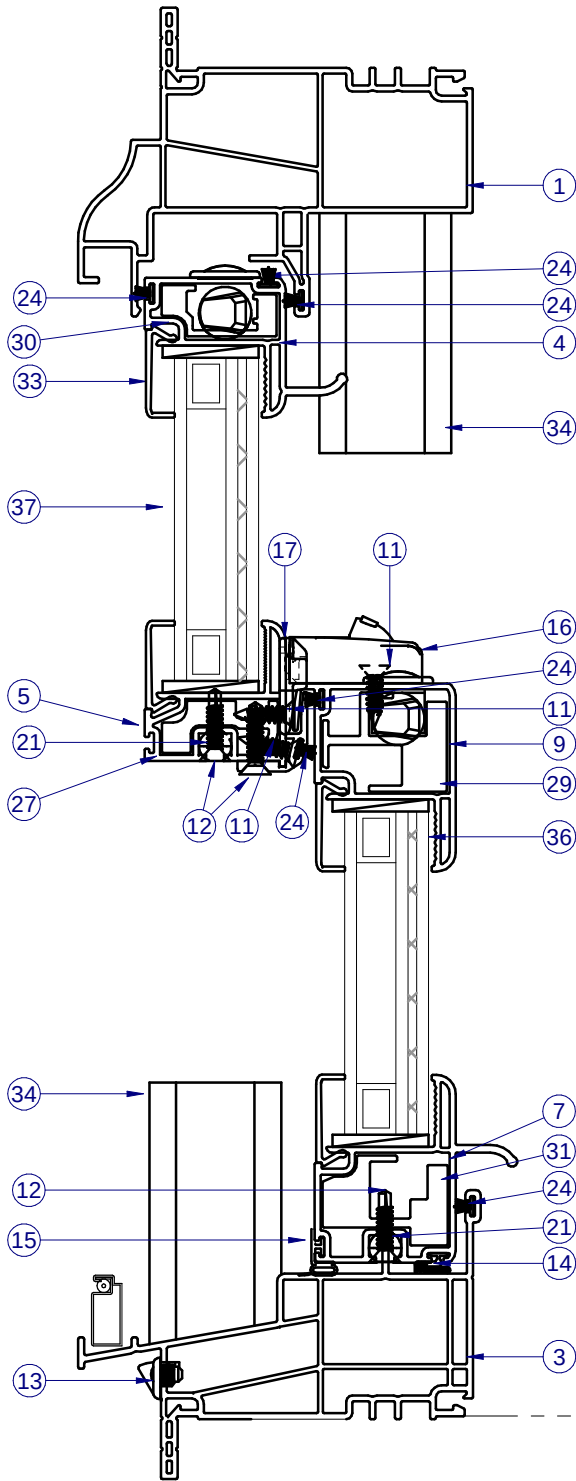
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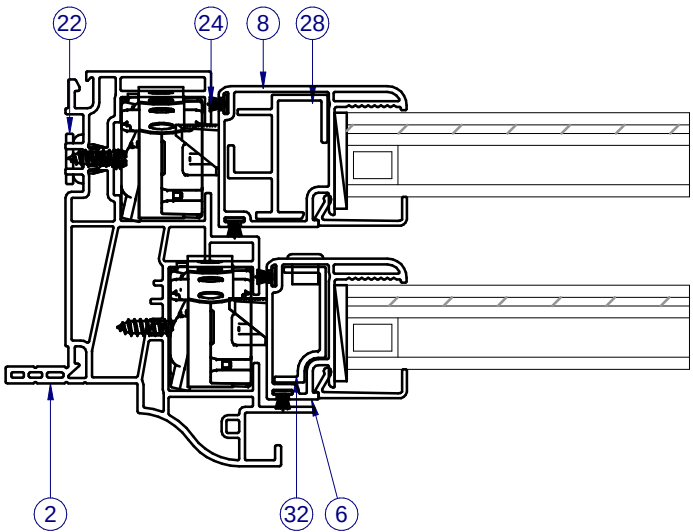
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1:2

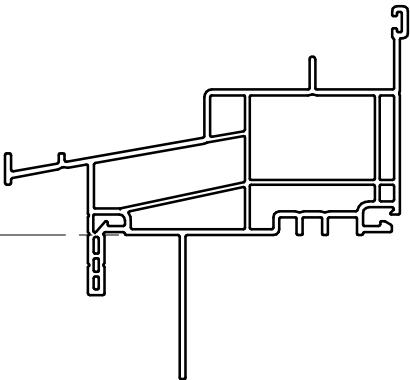
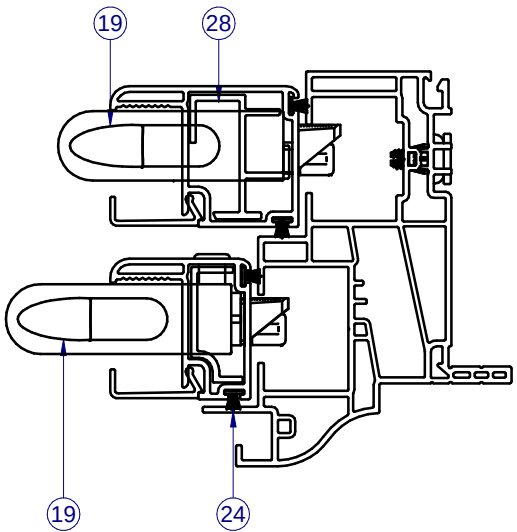
SHEET
2 OF 5



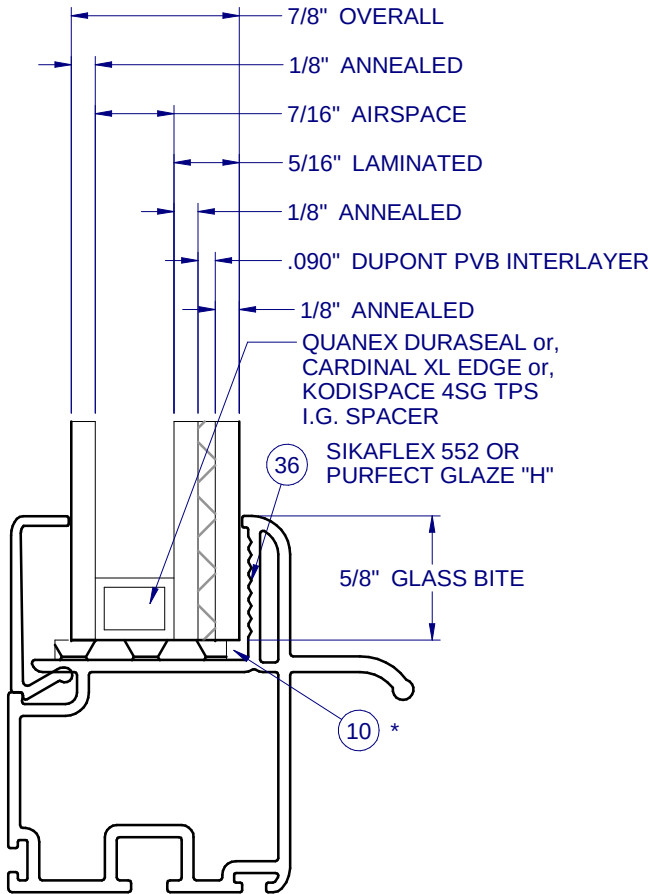
SECTION VIEW A-A



SECTION VIEW B-B



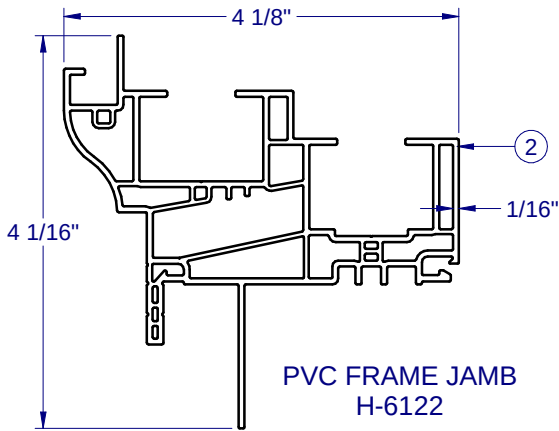
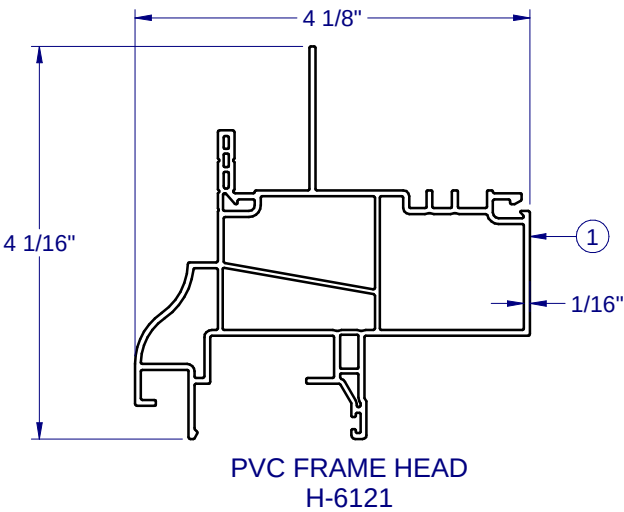
ALTERNATE FIN FRAME



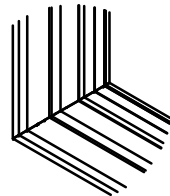
GLASS TYPE A
1:1

* SETTING BLOCKS PER FBC 2411.3.3.1

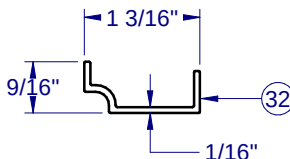
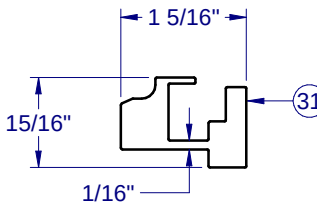
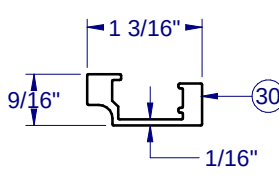
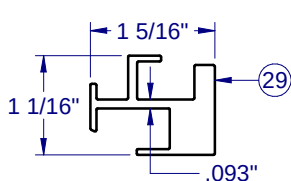
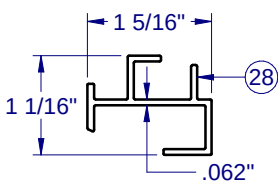
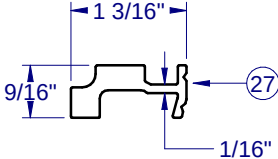
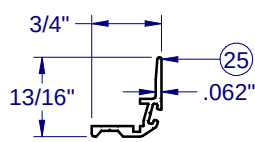
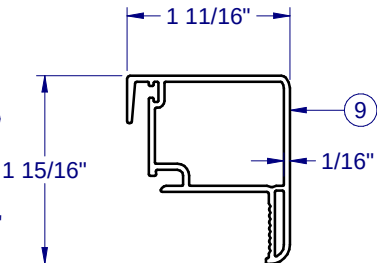
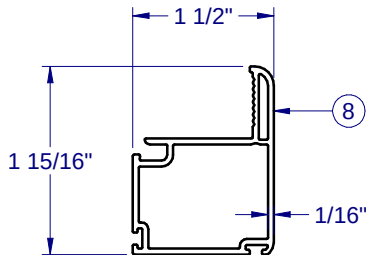
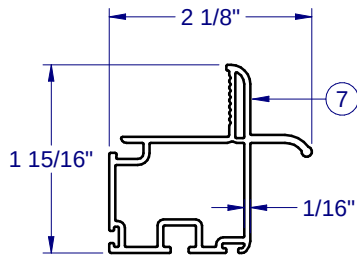
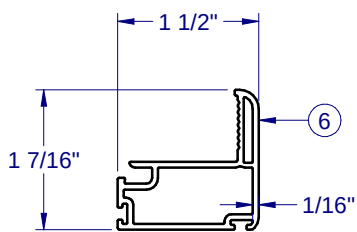
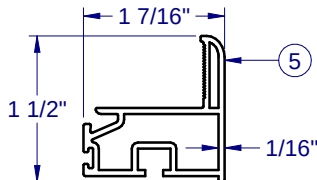
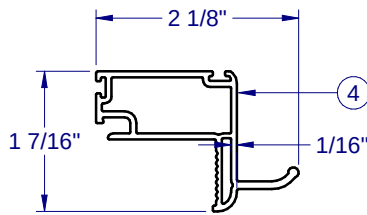
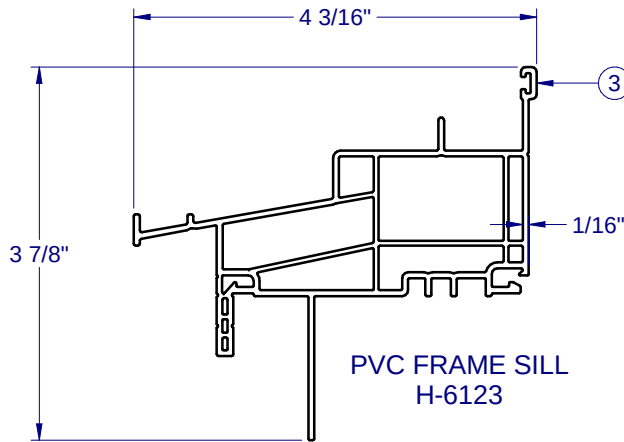
PARTS LIST			
ITEM	PART #	DESCRIPTION	MATERIAL
1	H-6121	HEAD, OUTERFRAME	PVC
2	H-6122	JAMBS, OUTERFRAME	PVC
3	H-6123	SILL, OUTERFRAME	PVC
4	H-6130	TOP RAIL, UPPER SASH	PVC
5	H-6131	BOTTOM RAIL, UPPER SASH	PVC
6	H-6132	SASH SIDE RAIL, UPPER SASH	PVC
7	H-6133	BOTTOM RAIL, LOWER SASH	PVC
8	H-6134	SASH SIDE RAIL, LOWER SASH	PVC
9	H-6135	TOP RAIL, LOWER SASH	PVC
10	P-5615	SETTING BLOCK	RUBBER
11	P-3515	#8 x 5/8 PHIL FLAT WHITE SMS	STEEL
12	P-4146	#8 X 3/4 PHIL FLAT TEK.	STEEL
13	P-5420	WEEP COVER	NYLON
14	P-5085	WSTP, .355 X 333BULB VINYL	
15	P-5086	WSTP, .300 X 187BULB VINYL	
16	P-3783	LOCKS	
17	P-3784	KEEPERS	
19	P-5392	SASH TILT LATCH	NYLON
21	P-5396	PIVOT BAR	SS
22	P-5412	JAMB JACK	STEEL
24	P-3305	WSTP., .270 X 187	
25	S-2001	INTERLOCK RAIL	ALUM
27	S-2003	REINF, BOT RAIL, UPPER SASH	ALUM
28	S-2004	REINF, SIDE RAIL, LOWER SASH	ALUM
29	S-2005	REINF, TOP RAIL, LOWER SASH, & SIDE RAIL LOWER SAS	ALUM
30	S-2006	REINF, SASH TOP AND SIDE RAIL, UPPER SASH	ALUM
31	S-2010	REINF, BOTTOM RAIL, LOWER SASH	ALUM
32	S-2027	REINF, SIDE RAIL, UPPER SASH	ALUM
33	S-6141	GLAZING BEAD	PVC
34	S-6142	SASH STOP	
35		BALANCERS - CONSTANT FORCE RT	
36		PURFECT GLAZE H or SIKAFLEX 552	SILICONE
37	GLASS	SEE SHEET 2	
38	P-5425	WSTP, .200 X 5/8" X 5/8" DUST PLUG	
39	P-3218	SCREEN FRAME	ALUM
40	P-4754	SCREEN CORNER KEY	NYLON
41	P-3228	SCREEN SPLINE	
42	P-3029	SCREEN LIFTS	
43	P-3033	SCREEN SPRINGS	



FRAME CORNER
CONSTRUCTION



CORNER WELD
(ALL SIDES)
1:8



LINE ITEMS NOT USED:
20, 23, 26

NOTE: ALL ALUMINUM EXTRUSIONS ARE 6063-T6 UNLESS OTHERWISE NOTED.

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6500 PVC
DOUBLE HUNG
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2428 Old Natchez Trc Trl
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PH. 941-380-1574

SHEET DESCRIPTION:

BOM AND EXTRUSIONS

DRAWN BY:

EMK

DWG #:

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SCALE:

1:2

DATE:

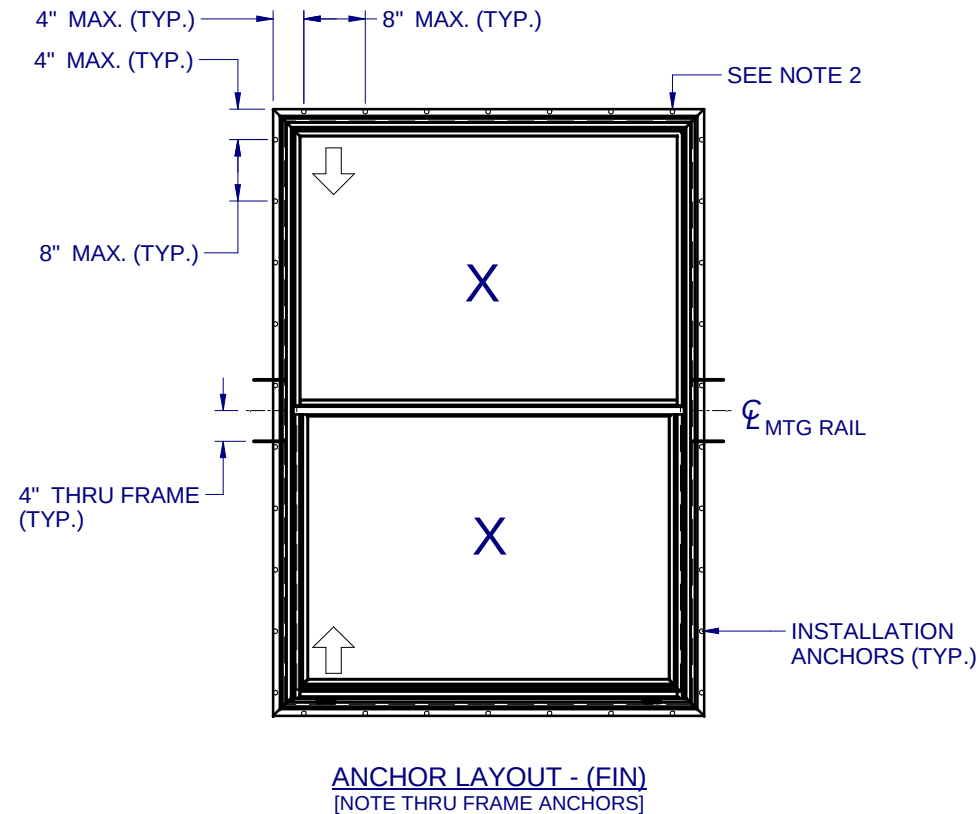
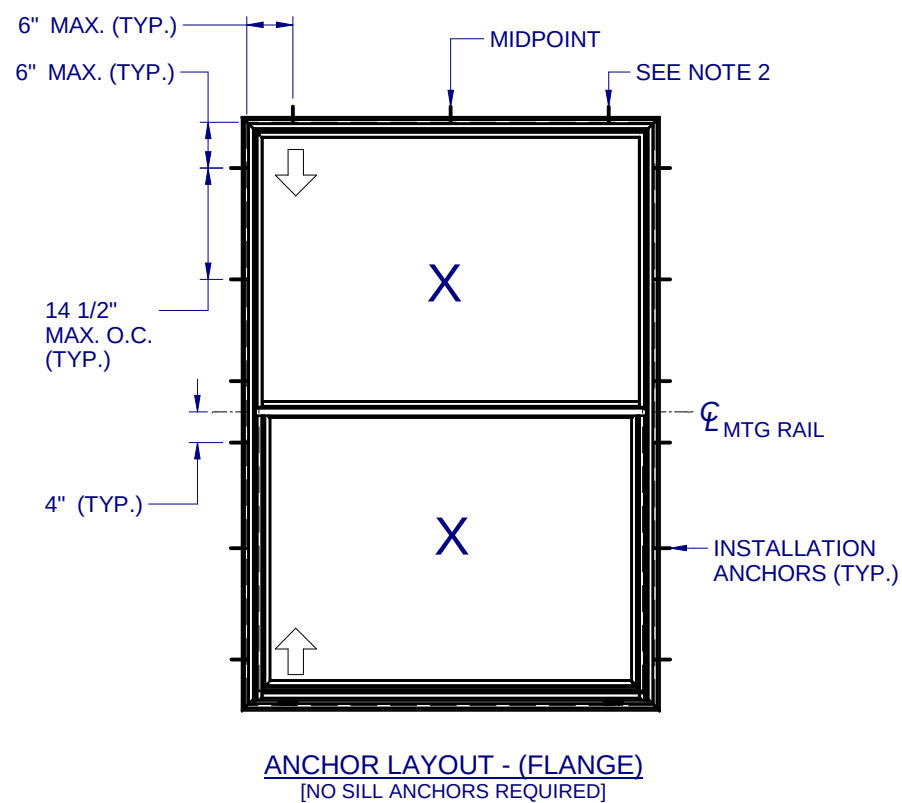
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SHEET

3 OF 5

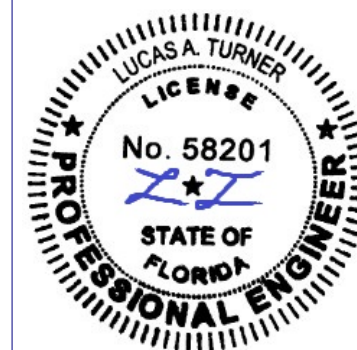


NOTES:

1. INSTALL ONE ANCHOR AT EACH INSTALLATION LOCATION.
2. SHIM AS REQ AT EACH INSTALLATION ANCHOR USING LOAD BEARING SHIMS. MAX. ALLOWABLE SHIM STACK TO BE 1/4". USE SHIMS WHERE SPACE GREATER THAN 1/16" IS PRESENT. LOAD BEARING SHIMS SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER. WOOD SHIMS ARE NOT ALLOWED.
3. ANCHOR TYPE, SIZE, SPACING AND EMBEDMENT SHALL BE AS SPECIFIED IN THESE DRAWINGS, SEE TABLE 1, SHEET 5.
4. ALL INSTALLATION ANCHORS MUST BE MADE OF OR PROTECTED WITH A CORROSION RESISTANT MATERIAL OR COATING. DISSIMILAR METALS OR MATERIALS IN CONTACT WITH PRESSURE TREATED WOOD MUST BE PROTECTED TO PREVENT REACTION.
5. INSTALLATION ANCHORS SHALL BE IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM SPECIFIED IN TABLE 1, SHEET 5.
6. ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO. FOR CONCRETE/CMU OPENINGS, EMBEDMENT SHALL BE BEYOND WOOD BUCKS, IF USED, INTO SUBSTRATE. INSTALLATIONS INTO SOLID CONCRETE OR GROUT-FILLED CMU MAY INCLUDE BUT DO NOT REQUIRE 1X WOOD BUCKS BETWEEN THE PRODUCT AND THE SUBSTRATE. INSTALLATIONS INTO HOLLOW CMU REQUIRE THE USE OF 1X WOOD BUCKS BETWEEN THE PRODUCT AND SUBSTRATE.
7. A MINIMUM CENTER-TO-CENTER SPACING SHALL BE MAINTAINED BETWEEN ALL FASTENERS: 3-9/16" FOR MASONRY, 1" FOR WOOD AND METAL.
8. WOOD OR MASONRY OPENINGS, BUCKS AND BUCK FASTENERS SHALL BE PROPERLY DESIGNED BY THE ARCHITECT OR ENGINEER OF RECORD AND INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE. SUBSTRATES SHALL MEET THE MINIMUM STRENGTH REQUIREMENTS AS SHOWN IN TABLE 1, SHEET 5. CONCRETE AND MASONRY SUBSTRATES MAY NOT BE CRACKED.
9. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS FOLLOWING THE CURRENT VERSION OF THE REFERENCE DOCUMENTS: FMA/AAMA 100(FIN WINDOWS), FMA/AAMA 200(FLANGE WINDOWS), FMA/WDMA 250(BOX WINDOWS), FMA/AAMA/WDMA 300(EXTERIOR DOORS)

6500 PVC DOUBLE HUNG IMPACT

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PH. 941-380-1574

SHEET DESCRIPTION:

ANCHOR SCHEDULE AND NOTES

DRAWN BY:

EMK

DATE:

05/26/15

DWG #:

CWS-1069

	REV.:
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SCALE:

1:25

SHEET
4 OF 5

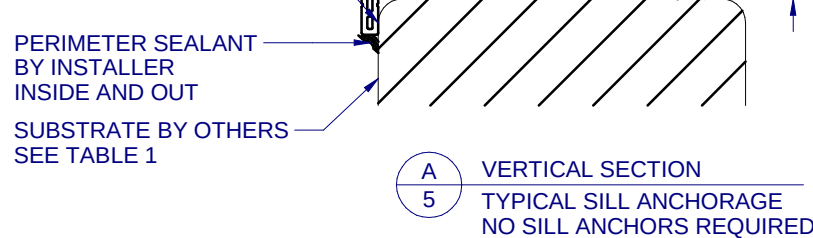
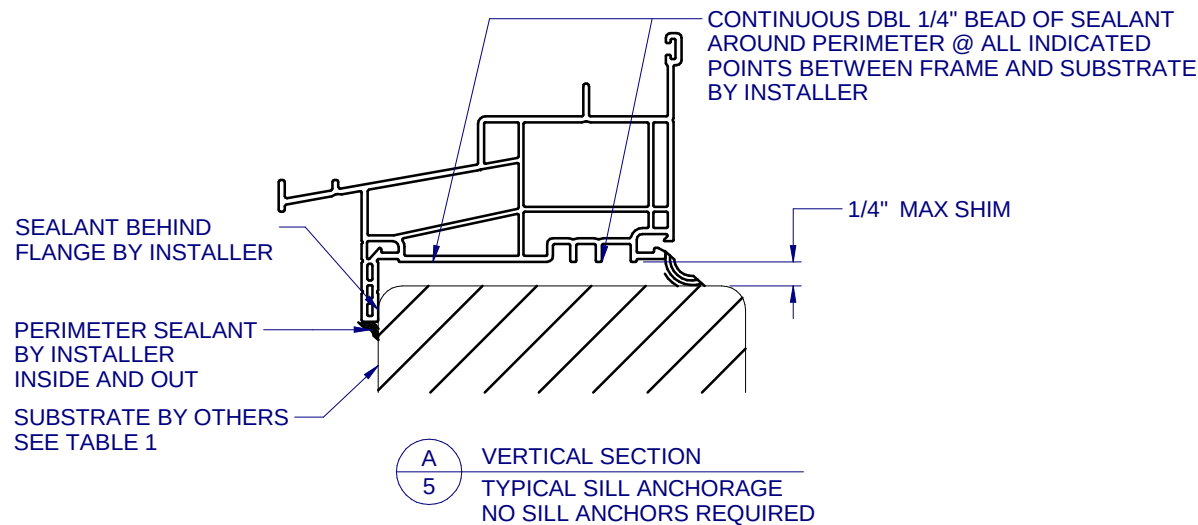
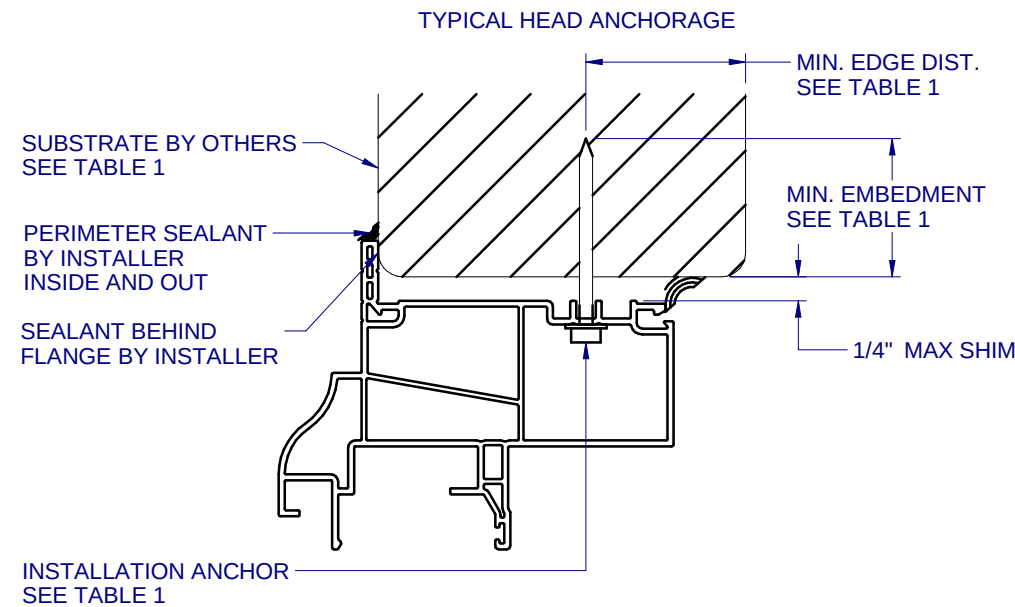


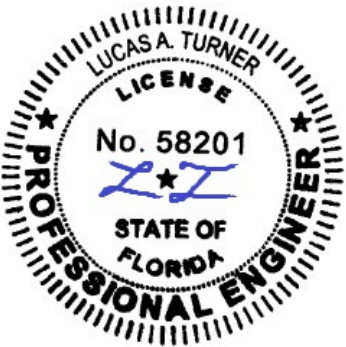
TABLE 1: APPROVED INSTALLATION FASTENERS				
FRAME TYPE	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DIST.
FLANGE	CONCRETE (2.0 KSI MIN.)	3/16" ITW TAPCON	1-1/2"	1-1/8"
FLANGE	HOLLOW OR GROUT-FILLED CMU (117 PCF MIN.)	3/16" ITW TAPCON	1"	2"
FLANGE	CONCRETE (2.85 KSI MIN.)	3/16" ELCO ULTRACON	1"	1"
FLANGE	GROUT-FILLED CMU (ASTM C-90)	3/16" ELCO ULTRACON	1-3/4"	2-1/2"
FLANGE	2X MIN. SOUTHERN PINE (G=0.55)	3/16" ITW TAPCON OR ELCO ULTRACON	1-3/8"	7/8"
FLANGE	2X MIN. SOUTHERN PINE (G=0.55)	#10 WOOD SCREW	1-3/8"	7/8"
FLANGE	16 GAUGE (0.060") MIN. STEEL STUD (33 KSI YIELD MIN)	#10-16 HILTI KWIK-FLEX OR ITW TEKS SELF-DRILLING SCREW	FULL THREAD THRU 0.060"	7/16"
FLANGE	1/8" ALUM. (6063-T5 MIN.) OR 1/8" STEEL (33 KSI MIN.)	#10 GRADE 5 SELF-TAPPING / DRILLING SCREW	FULL THREAD THRU 0.125"	7/16"
FIN	2X MIN. SOUTHERN PINE (G=0.55)	#10 WOOD SCREW	1-1/2"	1/2"

FLANGE REMOVAL NOTE: PARTIALLY OR FULLY REMOVING THE FLANGE, UP TO AND INCLUDING A BOX-FRAME APPLICATION IS ACCEPTABLE PROVIDED:

- MIN. 1/4" FILLET OF CONSTRUCTION-GRADE ADHESIVE CAULK IS APPLIED INSIDE AND OUT, FULL PERIMETER, BY INSTALLER.
- PRODUCT ANCHORAGE IS IN ACCORDANCE WITH REQUIREMENTS AS SHOWN FOR FLANGE WINDOWS.

**6500 PVC
DOUBLE HUNG
IMPACT**

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SHEET DESCRIPTION:

INSTALLATION DETAILS

DRAWN BY:	DATE:
EMK	05/26/15
DWG #:	REV.:
CWS-1069	D
SCALE:	SHEET
1:2	5 OF 5