

Technical drawing of a double-hung window showing dimensions and labels for flange, unit, sash, and glass dimensions.

Dimensions:

- 54 3/8" FLANGE WIDTH
- 53 1/8" MAX UNIT WIDTH
- 49 1/16" GLASS DLO
- 77 1/4" FLANGE HEIGHT
- 76" MAX UNIT HEIGHT
- 37 1/4" MAX SASH HEIGHT
- 47" GLASS DLO
- 49 15/16" MAX. SASH WIDTH
- 34 5/16" GLASS DLO (Right side)
- 34 5/16" GLASS DLO (Bottom right)

Labels and Callouts:

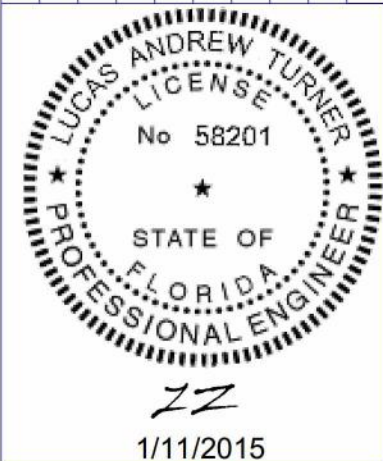
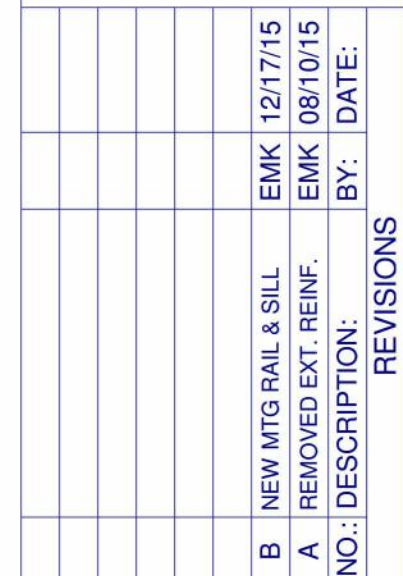
- A:** Points to the top flange and the top sash.
- B:** Points to the left flange and the right flange.
- C:** Points to the top sash and the bottom sash.
- D:** Points to the bottom sash and the bottom flange.
- O:** Label for the upper sash area.
- X:** Label for the lower sash area.
- 5:** Label for the bottom flange.
- 5:** Label for the bottom sash.
- 5:** Label for the bottom flange.
- 5:** Label for the bottom sash.

GENERAL NOTES & ELEVATIONS.....1
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MAX. UNIT SIZE	DESIGN PRESSURE RATING	IMPACT RATING
53-1/8" x 76"	+/- 50 PSF	LARGE MISSILE IMPACT

11. EXTERNAL WEEP SLOT = 1/4 x 1-1/2" LOCATED 5" FROM BOTH ENDS.

Lucas A. Turner
2016-01-11
16:00-05:00



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GENERAL NOTES AND ELEVATIONS

DRAWN BY: EMK	DATE: 05/26/15
DWG #: CWS-1068	REV.: B
SCALE: 1:20	SHEET 1 OF 5

**6100 PVC
SINGLE HUNG
IMPACT**

NO.	DESCRIPTION:	BY:	DATE:
B	NEW MTG RAIL & SILL	EMK	12/17/15
A	REMOVED EXT. REINF.	EMK	08/10/15



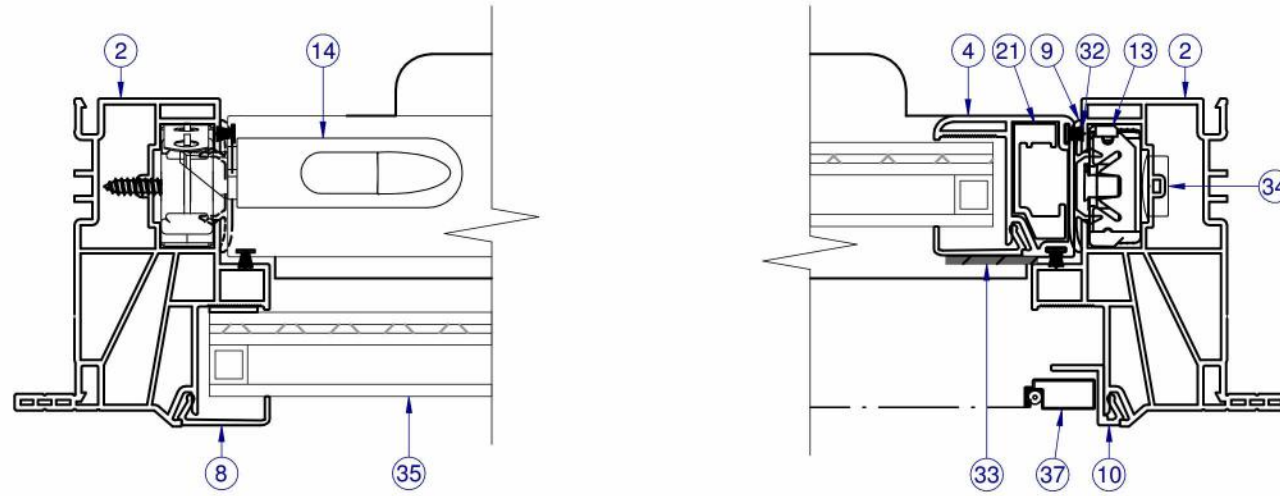
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SHEET DESCRIPTION:

**SECTION VIEWS AND
GLAZING DETAIL**

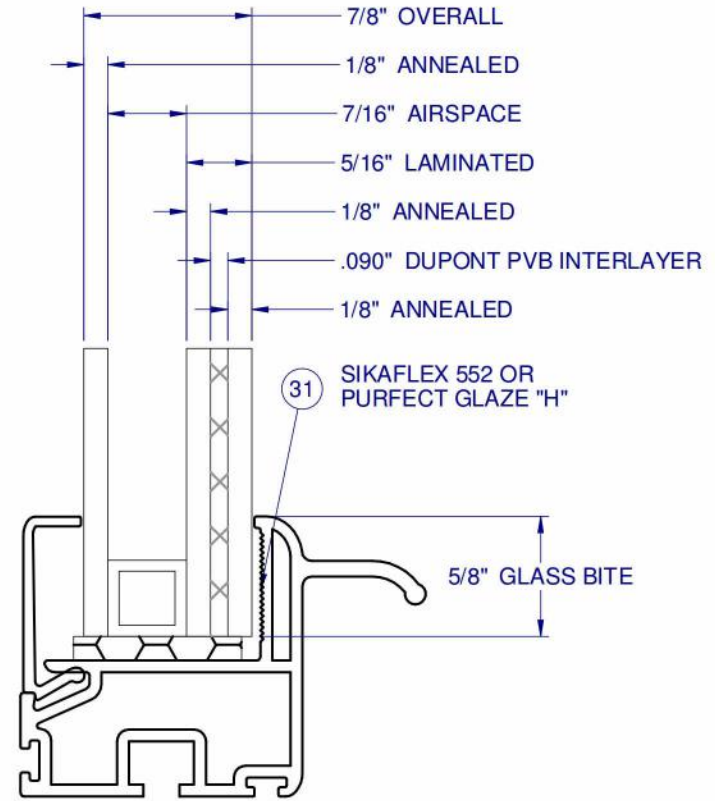
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EMK	05/26/15
DWG #:	REV.:
CWS-1068	B
SCALE:	SHEET
1:2	2 OF 5

INTERIOR

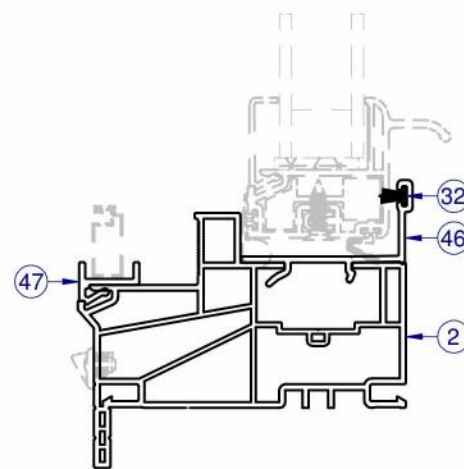
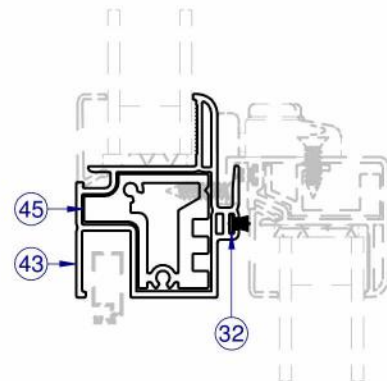


SECTION B-B

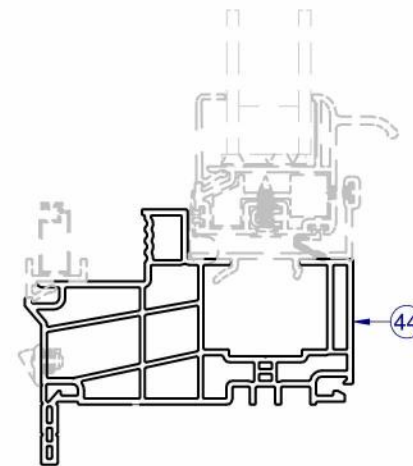
NOTE: LEFT SIDE SHOWS FIXED SECTION VIEW,
RIGHT SIDE SHOWS SASH SECTION VIEW.



GLASS TYPE A
1:1



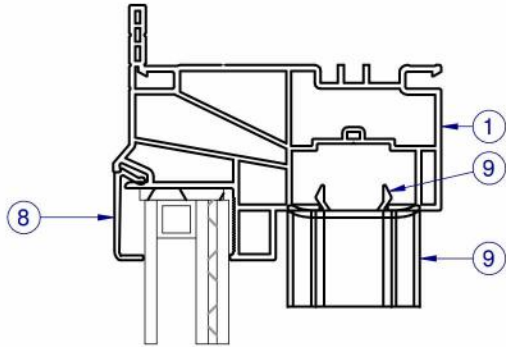
SECTION C-C
ALTERNATE HD MEETING RAIL
AND UNI-FRAME



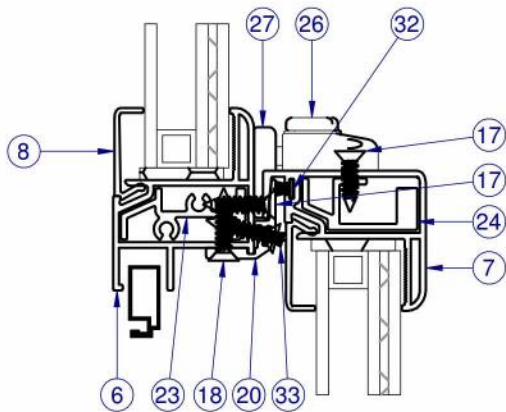
SECTION D-D
DEEP POCKET UNI-FRAME

NOTES:

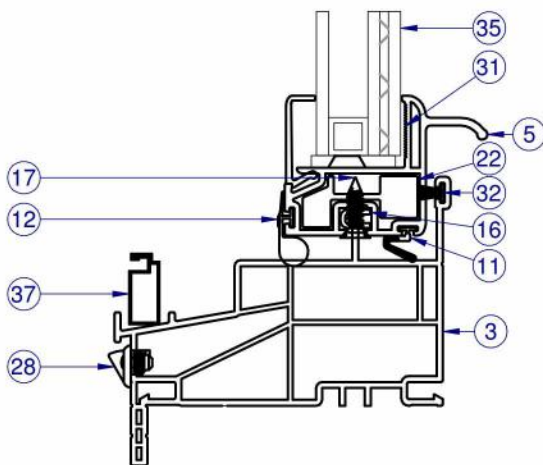
- FIN FRAME AVAILABLE FOR BOTH UNI-FRAME AND STANDARD FRAME TYPES.
- 880 BALANCERS AND DEEP POCKET UNI-FRAME (H-6193) REQUIRED FOR LARGER SASHES. (NOT SHOWN IN SECTION B-B)



SECTION A-A



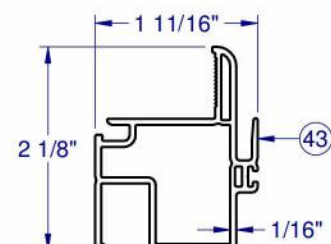
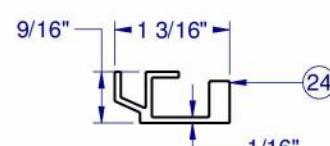
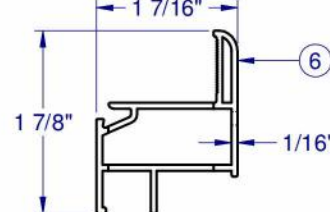
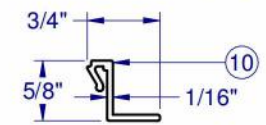
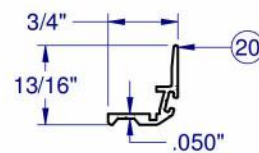
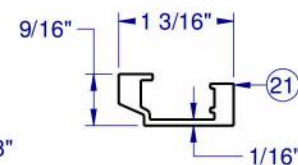
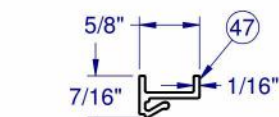
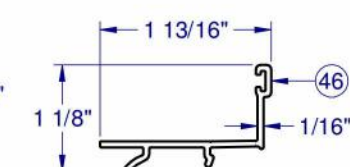
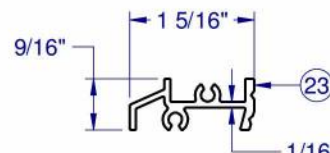
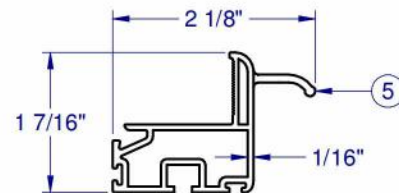
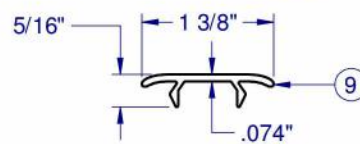
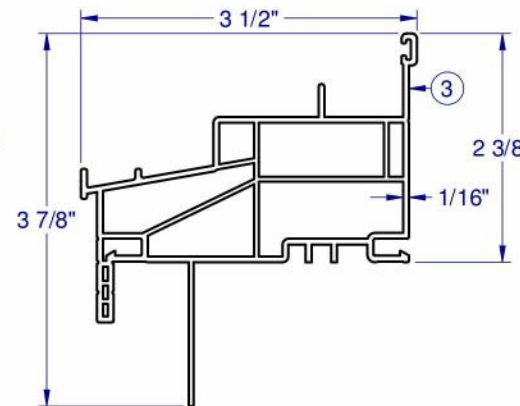
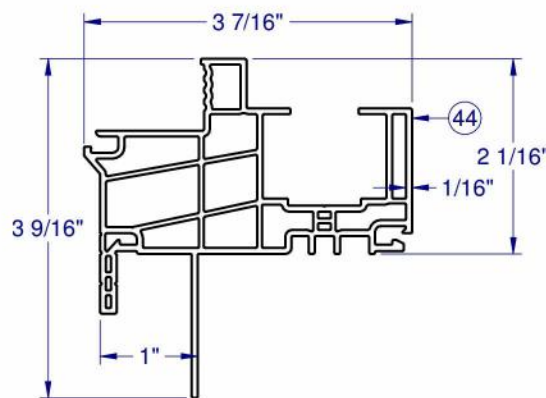
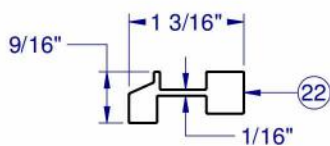
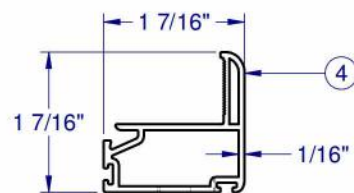
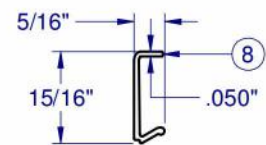
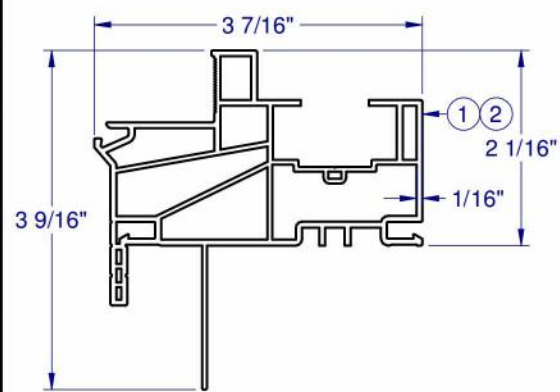
INTERIOR



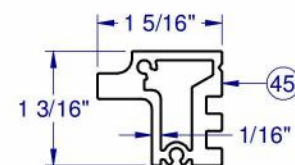
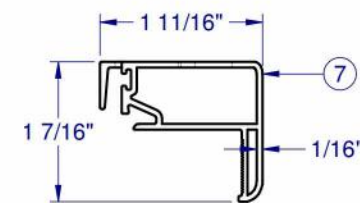
NOTE: ITEMS NOT SHOWN FOR CLARITY: 38-41

ITEM	PART	DESCRIPTION	MATERIAL	VENDOR
1	H-6125	HEAD, OUTERFRAME	PVC	ATN
2	H-6125	JAMBS, OUTERFRAME	PVC	ATN
3	H-6126	SILL, OUTERFRAME	PVC	ATN
4	H-6132	SASH SIDE RAIL	PVC	ATN
5	H-6136	SASH BOTTOM RAIL	PVC	ATN
6	H-6137	FIXED MEETING RAIL.	PVC	ATN
7	H-6138	SASH TOP RAIL	PVC	ATN
8	S-6141	GLAZING BEAD	PVC	ATN
9	S-6142	SASH STOP	PVC	ATN
10	S-6143	SCREEN ADAPTOR	PVC	ATN
11	P-5085	WSTP, QLON BULB VINYL		AMESBURY
12	P-5471	WSTP, QLON BULB VINYL		AMESBURY
13		BALANCERS - CONSTANT FORCE RT 562		CALDWELL
14	P-5392	SASH TILT LATCH	NYLON	CALDWELL
16	P-5396	PIVOT BAR	SS	CALDWELL
17	P-3515	#8 x 5/8 PHIL FLAT WHITE SMS	STEEL	FASTENAL
18	P-4146	#8 X 3/4 PHIL FLAT tek	STEEL	FASTENAL
19	P-3028	SETTING BLOCK	RUBBER	FRANK LOWE
20	S-2001	INTERLOCK RAIL	ALUM	ASCEND
21	S-2006	REINF, SASH SIDE RAIL, HD	ALUM	ASCEND
22	S-2007	REINF, BOTTOM RAIL	ALUM	ASCEND
23	S-2008	REINF, FMR	ALUM	ASCEND
24	S-2009	REINF, TOP RAIL	ALUM	ASCEND
26	P-3783	IMPACT LOCKS	NYLON	LAWRENCE
27	P-3784	IMPACT KEEPERS	NYLON	LAWRENCE
28	P-5420	WEEP COVER	NYLON	M&M
31		HOTMELT	SILICONE	TRUSEAL
32	P-3305	WSTP., .270 X 187, SOFT TOUCH FIN		ULTRAFAB
33	P-5425	WSTP, .200 X 5/8" X 5/8" DUST PLUG		ULTRAFAB
34	P-5421	HOLE PLUG	NYLON	
35	GLASS	SEE SHEET 2		
36	P-4638	#8 X 2-1/2 PHIL TRUSS tek	STEEL	FASTENAL
37	P-3218	SCREEN FRAME	ALUM	FLA SCREEN
38	P-4754	SCREEN CORNER KEY	NYLON	FLA SCREEN
39	P-3228	SCREEN SPLINE		DAPA
40	P-3029	SCREEN LIFTS		SUMMIT
41	P-3033	SCREEN SPRINGS		FLA SCREEN
42		BALANCERS - CONSTANT FORCE RT 880		
43	H-6157	HD FIXED MEETRING RAIL	PVC	VISION
44	H-6193	UNI-FRAME, 880 BALANCERS	PVC	VISION
45	H-2115	REINF, HD FMR	ALUM	KEYMARK
46	S-6216	UNI-FRAME SILL POCKET INSERT	PVC	VISION
47	S-6217	UNI-FRAME SCREEN RETAINER	PVC	VISION

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

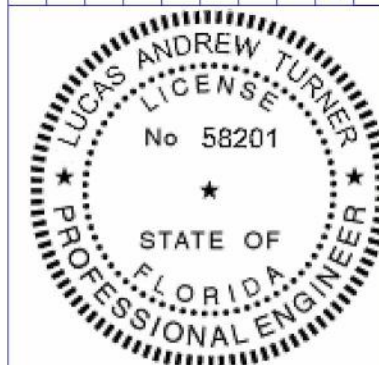


CORNER WELD (ALL SIDES)
1:8



Custom
WINDOW SYSTEMS

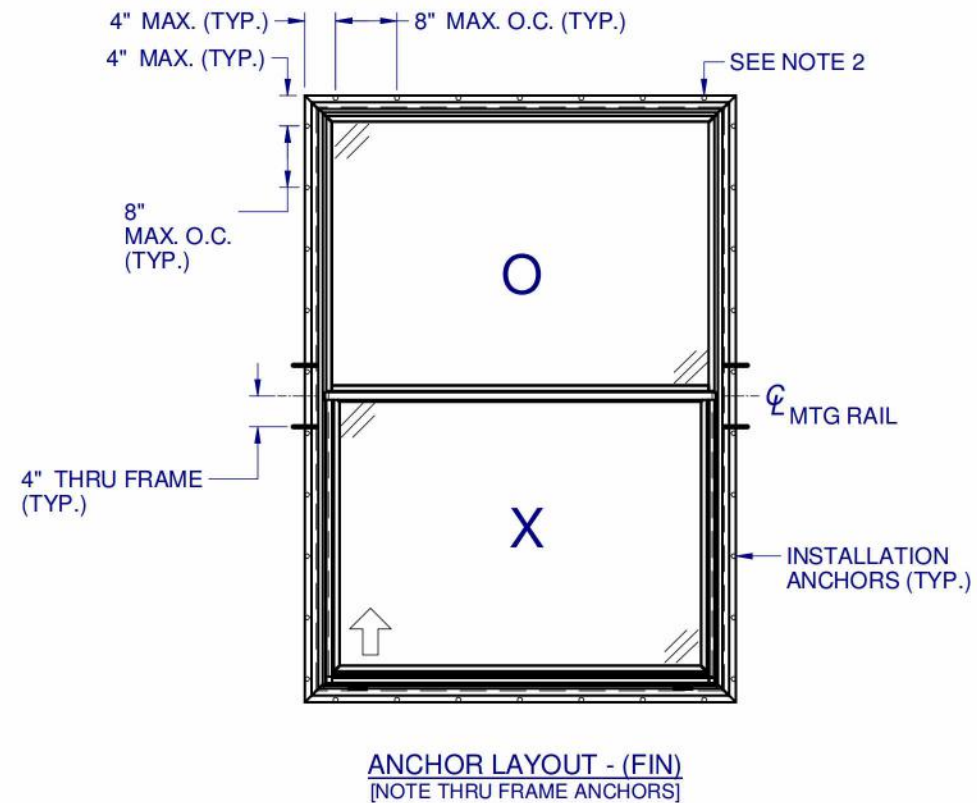
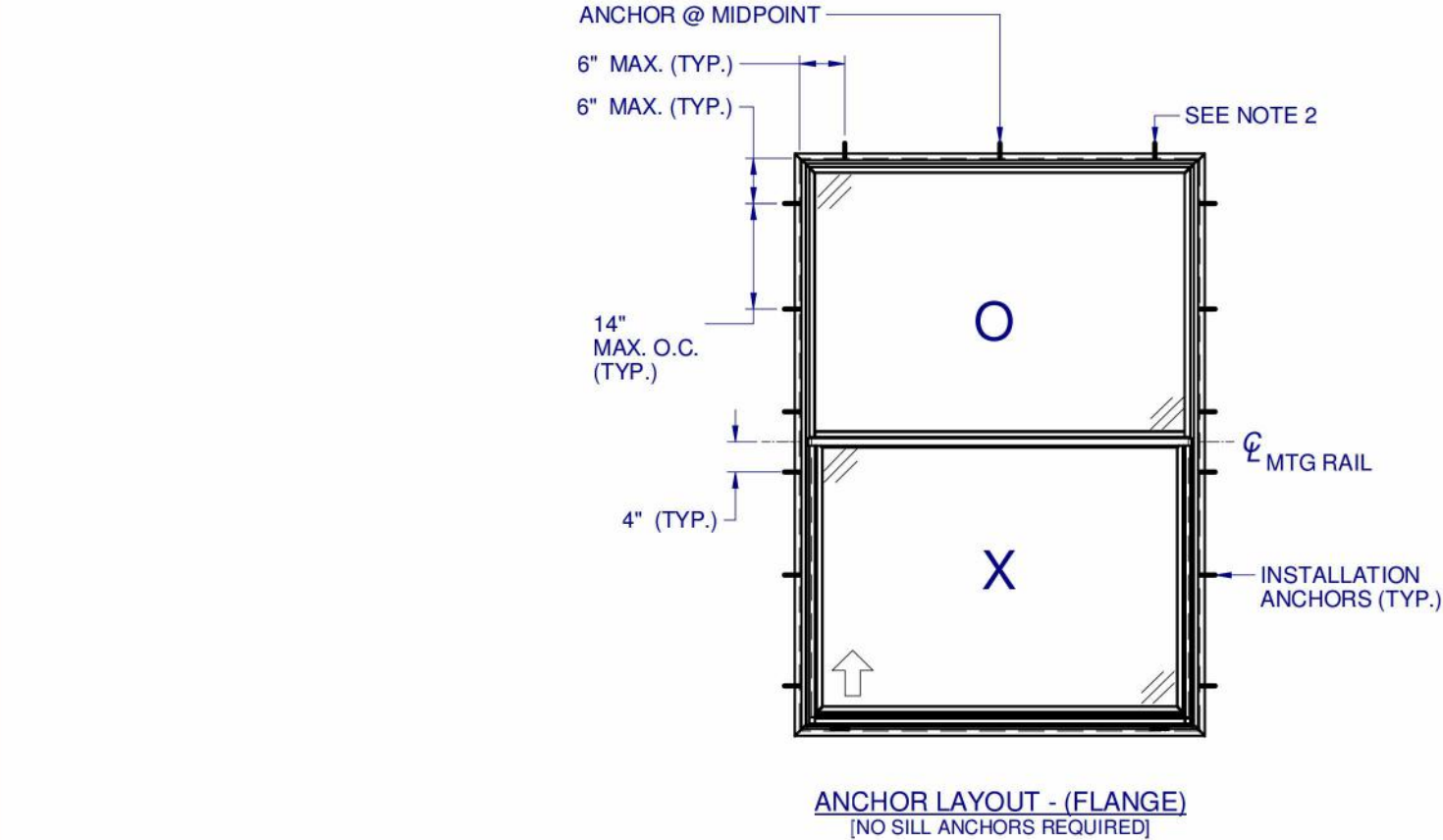
**6100 PVC
SINGLE HUNG
IMPACT**



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BOM AND EXTRUSIONS

DRAWN BY: EMK	DATE: 05/26/15
DWG #: CWS-1068	REV.: B
SCALE: 1:2	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 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)

**6100 PVC
SINGLE HUNG
IMPACT**

NO.	DESCRIPTION	BY	DATE
B	NEW MTG RAIL & SILL	EMK	12/17/15
A	REMOVED EXT. REINF.	EMK	08/10/15

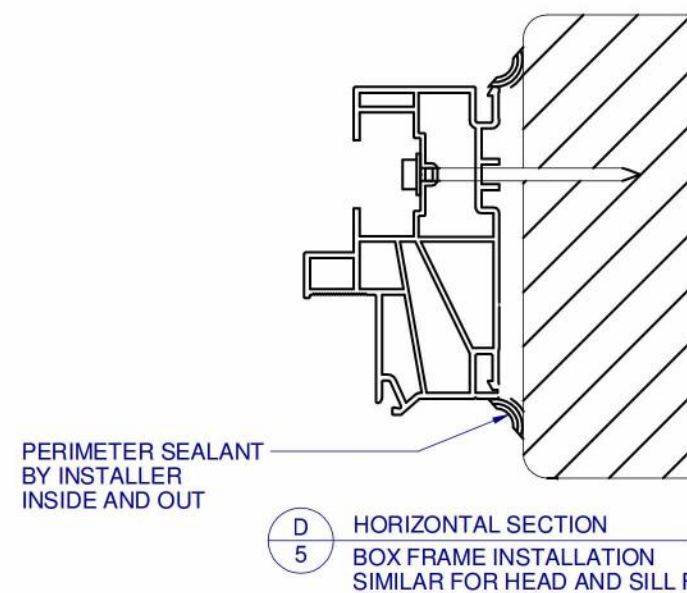
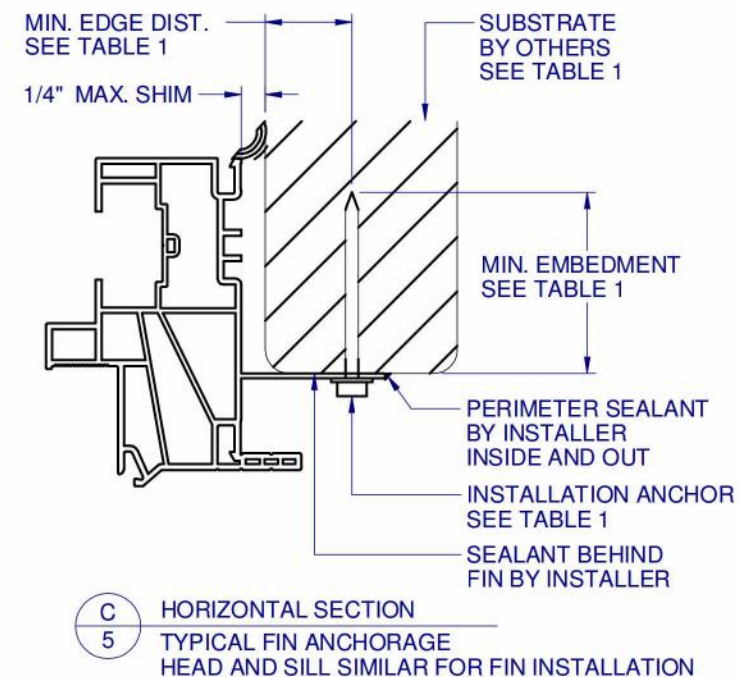
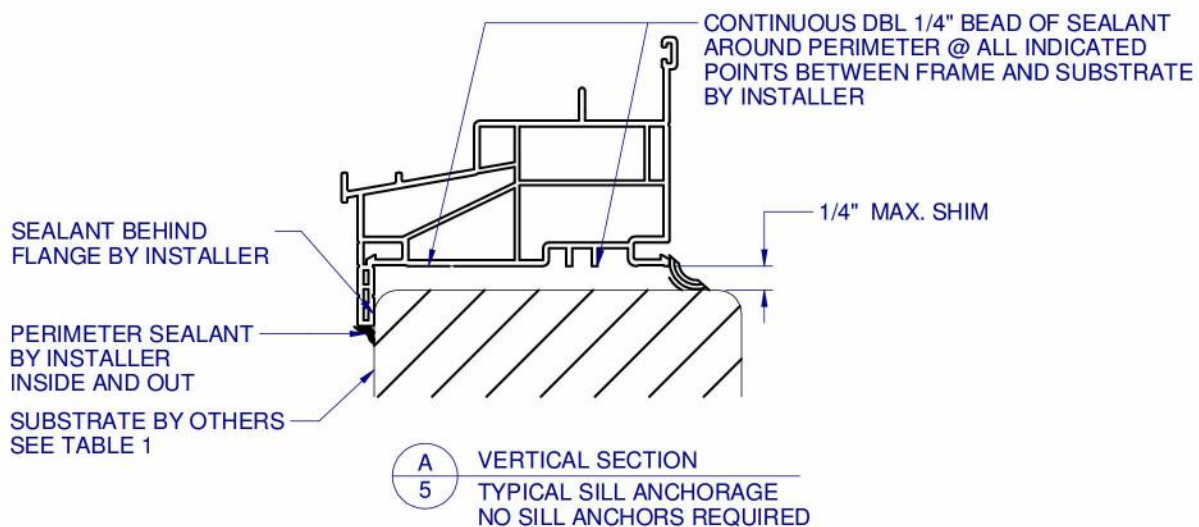


1/11/2015

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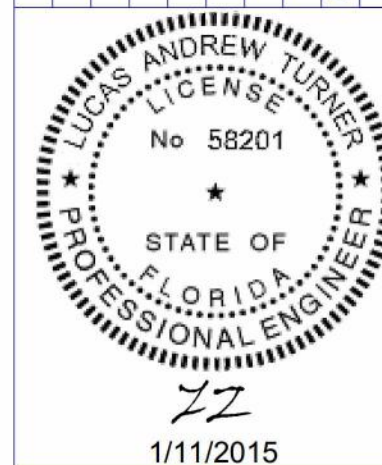
SHEET DESCRIPTION:
**ANCHOR SCHEDULE AND
NOTES**

DRAWN BY:	DATE:
EMK	05/26/15
DWG #:	REV.:
CWS-1068	B
SCALE:	SHEET
1:25	4 OF 5



FRAME TYPE	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DIST.
FLANGE	CONCRETE (2.0 KSI MIN.)	3/16" ITW TAPCON	1"	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"

- 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.

[illegible]

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SHEET DESCRIPTION:

INSTALLATION DETAILS

DRAWN BY: EMK	DATE: 05/26/15
DWG #: CWS-1068	REV.: B
SCALE: 1:2	SHEET 5 OF 5