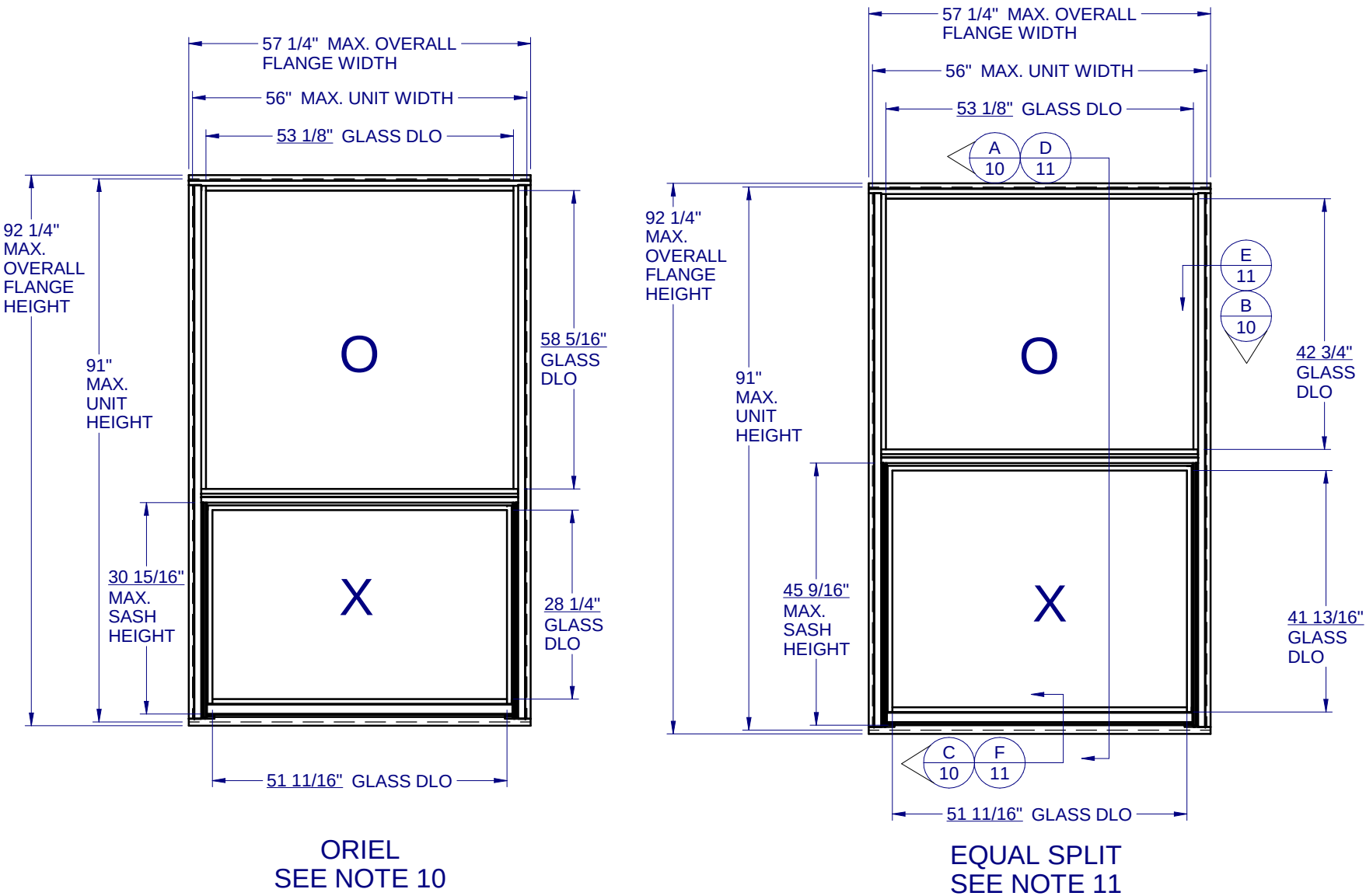


SINGLE HUNG ELEVATION (NON-IMPACT)



- GENERAL NOTES:
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE FLORIDA BUILDING CODE (FBC), CURRENT EDITION.
 2. GLAZING OPTIONS: (SEE SHEET 2)
 3. CONFIGURATIONS: "O/X".
 4. DESIGN PRESSURE RATING (SEE SHEETS 3-5):
 - 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 SHEETS 10-12 FOR INSTALLATION DETAIL. WIND LOAD DURATION FACTOR Cd=1. WAS USED FOR WOOD ANCHOR CALCULATIONS.
 6. NOT APPROVED FOR IMPACT RESISTANCE. IMPACT PROTECTIVE SYSTEM IS REQUIRED IN WIND BORNE DEBRIS REGION.
 7. ALL FRAMES SCREWED TOGETHER. SMALL JOINT SEAM SEALANT USED AT ALL FRAME JOINTS.
 8. SERIES / MODEL DESIGNATION SH-3500.
 9. THE DESIGNATION X AND O STAND FOR THE FOLLOWING:
X = OPERABLE SASH, O = FIXED SASH.
 10. ORIEL UNITS AS SHOWN UP TO 56" x 91" ARE RATED ±35 PSF. FOR DESIGN PRESSURES OF VARIOUS SIZES BASED ON QUALIFIED GLASS TYPES, SEE COMPARATIVE ANALYSIS. REFER TO SHEETS 5 & 9.
 11. EQUAL UNITS AS SHOWN UP TO 56" x 91" ARE RATED ±35 PSF. FOR DESIGN PRESSURES OF VARIOUS SIZES BASED ON QUALIFIED GLASS TYPES, SEE COMPARATIVE ANALYSIS. REFER TO SHEETS 3, 4 & 8.
 12. SECTION CALLOUTS FROM ELEVATIONS APPLY TO ALL ELEVATIONS IN A SIMILAR LOCATION.

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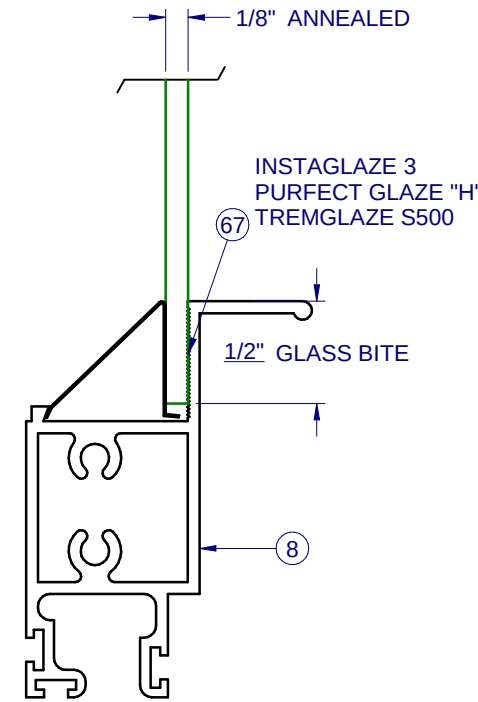
SHEET DESCRIPTION:
GENERAL NOTES AND
ELEVATIONS

DRAWN BY:	DATE:
MCS	9/6/2023
DWG #:	REV.:
CWS-466	F
SCALE:	SHEET
1:25	1 OF 11

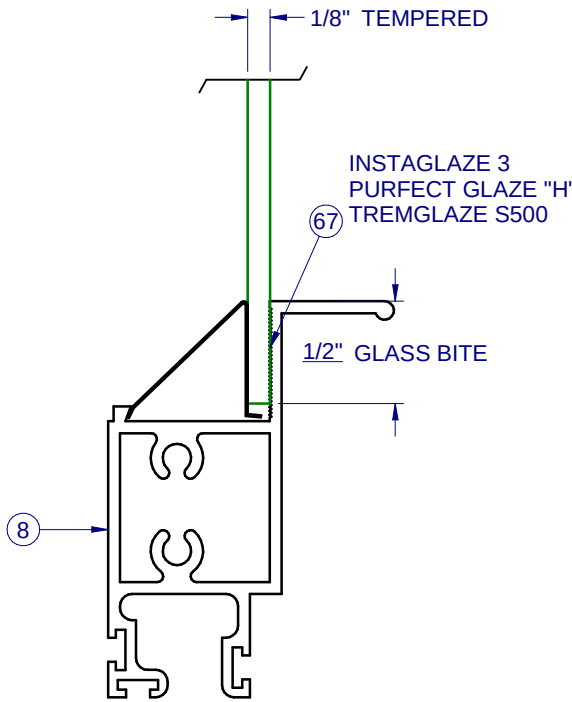
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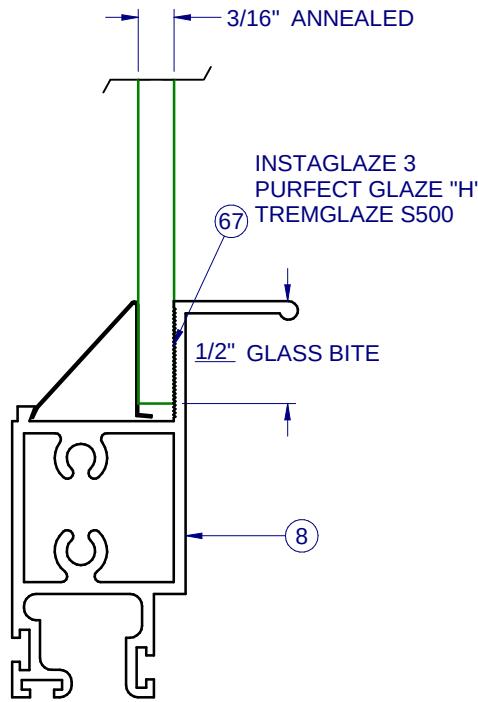
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2023.09.14
14:54:46
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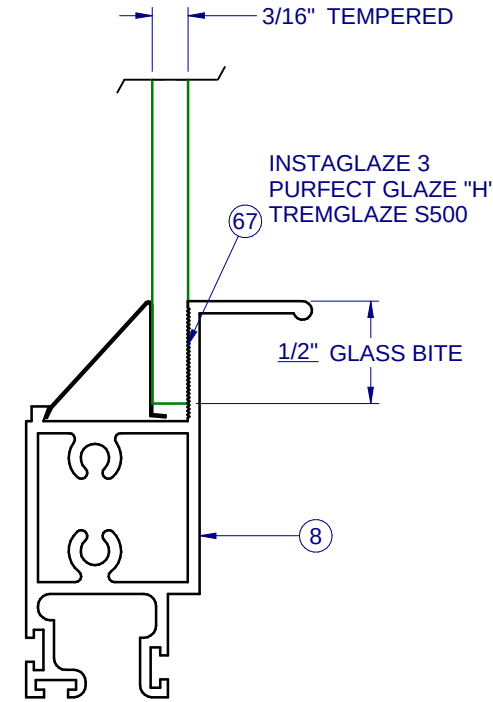
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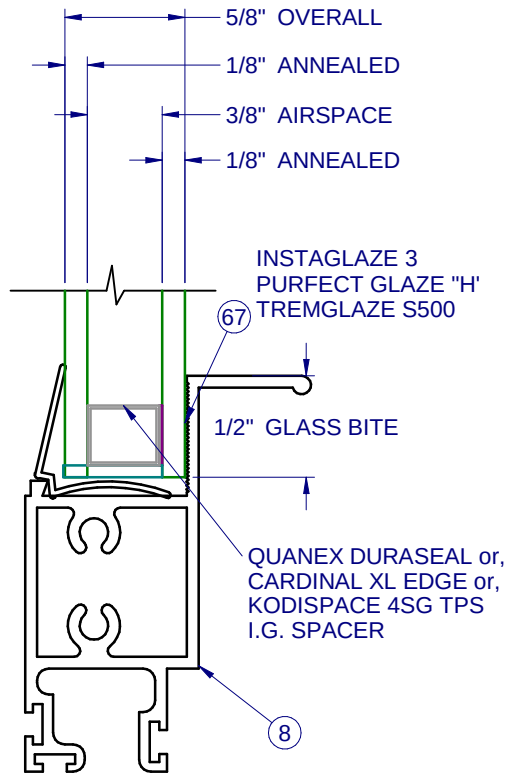
GLASS TYPE B



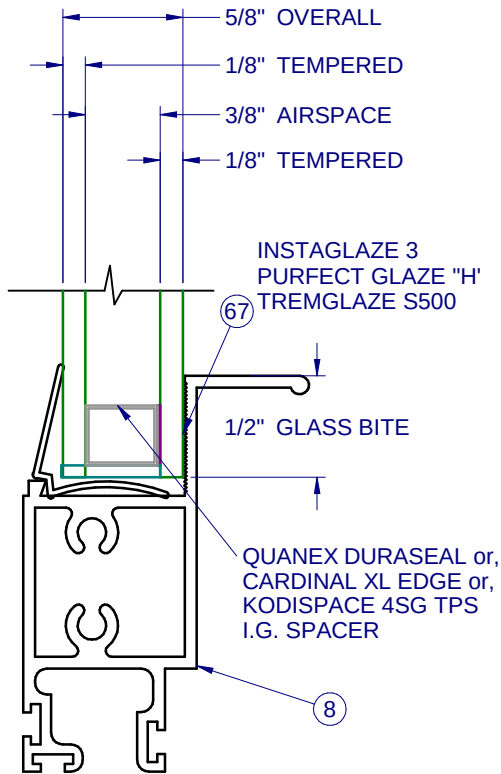
GLASS TYPE C



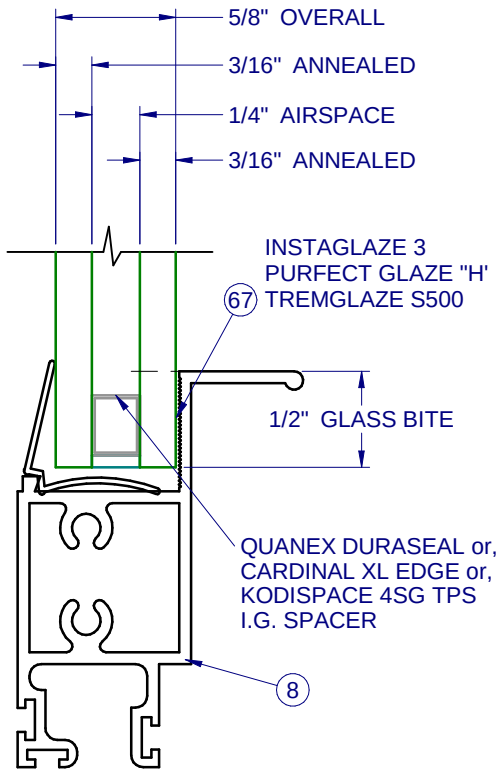
GLASS TYPE D



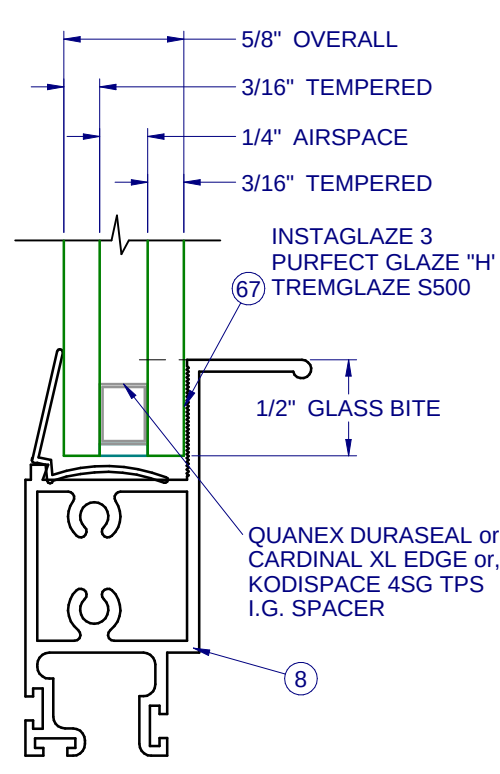
GLASS TYPE E



GLASS TYPE F



GLASS TYPE G



GLASS TYPE H



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2428 Old Natchez Trc Trl
Camden, TN 38320
PH. 941-380-1574

SHEET DESCRIPTION:

GLAZING DETAIL

DRAWN BY:

MCS

DATE:

9/6/2023

DWG #:

CWS-466

REV.:

F

SCALE:

1:1

SHEET

2 OF 11

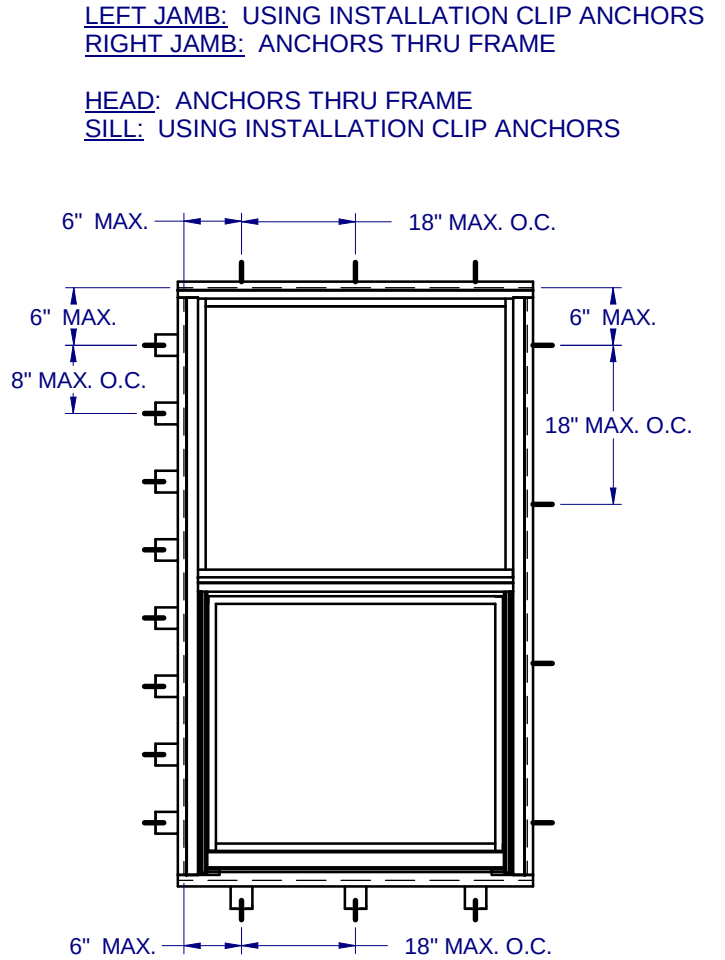
* SETTING BLOCKS PER FBC 2411.3.3.1

DP CHART: EQUAL SPLIT W/CLIPS												
DESIGN PRESSURES FOR EQUAL SPLIT CONFIGURATION WITH ANCHOR CLIPS (SEE NOTE 2)												
Overall Flange	Unit	Overall Flange Width	24.750	26.750	28.750	32.750	37.000	40.750	44.750	48.750	53.125	57.250
Height	Height	Unit Width	23.500	25.500	27.500	31.500	35.750	39.500	43.500	47.500	51.875	56.000
28.750	27.500	Glass Type A	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -69.1	+50.0 / -64.6
		Glass Type B, C, D, E, F, G, H	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -69.1	+50.0 / -64.6
32.750	31.500	Glass Type A	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -69.0	+50.0 / -64.0	+50.0 / -59.3	+50.0 / -55.5
		Glass Type B, C, D, E, F, G, H	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -69.0	+50.0 / -64.0	+50.0 / -59.3	+50.0 / -55.5
36.750	35.500	Glass Type A	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -69.9	+50.0 / -61.9	+50.0 / -57.0	+50.0 / -53.5	+50.0 / -50.1	+48.4 / -48.4
		Glass Type B, C, D, E, F, G, H	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -69.9	+50.0 / -61.9	+50.0 / -57.0	+50.0 / -53.5	+50.0 / -50.1	+48.4 / -48.4
38.375	37.125	Glass Type A	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -66.8	+50.0 / -59.8	+50.0 / -54.1	+50.0 / -50.2	+46.8 / -46.8	+44.8 / -44.8
		Glass Type B, C, D, E, F, G, H	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -66.8	+50.0 / -59.8	+50.0 / -54.1	+50.0 / -50.2	+46.8 / -46.8	+44.8 / -44.8
40.750	39.500	Glass Type A	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -68.3	+50.0 / -62.0	+50.0 / -57.2	+50.0 / -51.5	+47.3 / -47.3	+42.9 / -42.9	+40.7 / -40.7
		Glass Type B, C, D, E, F, G, H	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -68.3	+50.0 / -62.0	+50.0 / -57.2	+50.0 / -51.5	+47.3 / -47.3	+42.9 / -42.9	+40.7 / -40.7
44.750	43.500	Glass Type A	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -66.9	+50.0 / -60.6	+50.0 / -55.0	+50.0 / -50.9	+47.2 / -47.2	+44.0 / -44.0	+39.8 / -39.8	+36.9 / -36.9
		Glass Type B, C, D, E, F, G, H	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -66.9	+50.0 / -60.6	+50.0 / -55.0	+50.0 / -50.9	+47.2 / -47.2	+44.0 / -44.0	+39.8 / -39.8	+36.9 / -36.9
48.750	47.500	Glass Type A	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -66.9	+50.0 / -60.6	+50.0 / -55.0	+50.0 / -50.9	+49.4 / -49.4	+44.0 / -44.0	+38.9 / -38.9	+35.2 / -35.2
		Glass Type B, C, D, E, F, G, H	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -66.9	+50.0 / -60.6	+50.0 / -55.0	+50.0 / -50.9	+49.4 / -49.4	+44.0 / -44.0	+38.9 / -38.9	+35.2 / -35.2
50.625	49.375	Glass Type A	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -66.9	+50.0 / -60.6	+50.0 / -55.0	+50.0 / -50.9	+49.3 / -49.3	+43.9 / -43.9	+38.8 / -38.8	+35.1 / -35.1
		Glass Type B, C, D, E, F, G, H	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -66.9	+50.0 / -60.6	+50.0 / -55.0	+50.0 / -50.9	+49.3 / -49.3	+43.9 / -43.9	+38.8 / -38.8	+35.1 / -35.1
52.750	51.500	Glass Type A	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -66.9	+50.0 / -60.6	+50.0 / -55.0	+50.0 / -50.9	+49.1 / -49.1	+43.9 / -43.9	+39.0 / -39.0	+35.1 / -35.1
		Glass Type B, C, D, E, F, G, H	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -66.9	+50.0 / -60.6	+50.0 / -55.0	+50.0 / -50.9	+49.1 / -49.1	+43.9 / -43.9	+39.0 / -39.0	+35.1 / -35.1
56.750	55.500	Glass Type A	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -66.9	+50.0 / -60.6	+50.0 / -55.0	+50.0 / -50.9	+48.4 / -48.4	+43.7 / -43.7	+38.9 / -38.9	+35.4 / -35.4
		Glass Type B, C, D, E, F, G, H	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -66.9	+50.0 / -60.6	+50.0 / -55.0	+50.0 / -50.9	+48.4 / -48.4	+43.7 / -43.7	+38.9 / -38.9	+35.4 / -35.4
60.750	59.500	Glass Type A	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -66.5	+50.0 / -60.6	+50.0 / -55.0	+50.0 / -50.9	+47.5 / -47.5	+42.8 / -42.8	+38.7 / -38.7	+35.3 / -35.3
		Glass Type B, C, D, E, F, G, H	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -66.5	+50.0 / -60.6	+50.0 / -55.0	+50.0 / -50.9	+47.5 / -47.5	+42.8 / -42.8	+38.7 / -38.7	+35.3 / -35.3
63.000	61.750	Glass Type A	+50.0 / -70.0	+50.0 / -67.0	+50.0 / -63.4	+50.0 / -57.8	+50.0 / -53.0	+49.4 / -49.4	+46.0 / -46.0	+42.1 / -42.1	+38.4 / -38.4	+35.2 / -35.2
		Glass Type B, C, D, E, F, G, H	+50.0 / -70.0	+50.0 / -67.0	+50.0 / -63.4	+50.0 / -57.8	+50.0 / -53.0	+49.4 / -49.4	+46.0 / -46.0	+42.1 / -42.1	+38.4 / -38.4	+35.2 / -35.2
66.750	65.500	Glass Type A	+50.0 / -66.3	+50.0 / -62.3	+50.0 / -58.8	+50.0 / -53.4	+49.0 / -49.0	+45.7 / -45.7	+42.7 / -42.7	+40.0 / -40.0	+37.4 / -37.4	+34.7 / -34.7
		Glass Type B, C, D, E, F, G, H	+50.0 / -66.3	+50.0 / -62.3	+50.0 / -58.8	+50.0 / -53.4	+49.0 / -49.0	+45.7 / -45.7	+42.7 / -42.7	+40.0 / -40.0	+37.4 / -37.4	+34.7 / -34.7
68.750	67.500	Glass Type A	+50.0 / -63.9	+50.0 / -60.0	+50.0 / -56.6	+50.0 / -51.4	+47.1 / -47.1	+44.0 / -44.0	+41.1 / -41.1	+38.5 / -38.5	+36.1 / -36.1	+34.0 / -34.0
		Glass Type B, C, D, E, F, G, H	+50.0 / -63.9	+50.0 / -60.0	+50.0 / -56.6	+50.0 / -51.4	+47.1 / -47.1	+44.0 / -44.0	+41.1 / -41.1	+38.5 / -38.5	+36.1 / -36.1	+34.0 / -34.0
72.750	71.500	Glass Type A	+50.0 / -63.9	+50.0 / -60.0	+50.0 / -56.6	+50.0 / -51.4	+47.1 / -47.1	+44.0 / -44.0	+41.1 / -41.1	+38.5 / -38.5	+35.5 / -35.5	+32.8 / -32.8
		Glass Type B, C, D, E, F, G, H	+50.0 / -63.9	+50.0 / -60.0	+50.0 / -56.6	+50.0 / -51.4	+47.1 / -47.1	+44.0 / -44.0	+41.1 / -41.1	+38.5 / -38.5	+35.5 / -35.5	+32.8 / -32.8
76.000	74.750	Glass Type A	+50.0 / -60.2	+50.0 / -57.7	+50.0 / -55.8	+50.0 / -51.4	+47.1 / -47.1	+43.5 / -43.5	+40.1 / -40.1	+37.4 / -37.4	+34.2 / -34.2	+31.6 / -31.6
		Glass Type B, C, D, E, F, G, H	+50.0 / -60.2	+50.0 / -57.7	+50.0 / -55.8	+50.0 / -51.4	+47.1 / -47.1	+43.5 / -43.5	+40.1 / -40.1	+37.4 / -37.4	+34.2 / -34.2	+31.6 / -31.6
80.750	79.500	Glass Type A	+50.0 / -55.1	+50.0 / -52.6	+50.0 / -50.7	+47.9 / -47.9	+45.0 / -45.0	+41.2 / -41.2	+38.1 / -38.1	+35.5 / -35.5	+32.1 / -32.1	+30.1 / -30.1
		Glass Type B, C, D, E, F, G, H	+50.0 / -55.1	+50.0 / -52.6	+50.0 / -50.7	+47.9 / -47.9	+45.0 / -45.0	+41.2 / -41.2	+38.1 / -38.1	+35.5 / -35.5	+32.1 / -32.1	+30.1 / -30.1
84.750	83.500	Glass Type A	+50.0 / -51.4	+49.0 / -49.0	+47.1 / -47.1	+44.2 / -44.2	+42.4 / -42.4	+39.6 / -39.6	+36.6 / -36.6	+33.7 / -33.7	+30.7 / -30.7	+28.8 / -28.8
		Glass Type B, C, D, E, F, G, H	+50.0 / -51.4	+49.0 / -49.0	+47.1 / -47.1	+44.2 / -44.2	+42.4 / -42.4	+39.6 / -39.6	+36.6 / -36.6	+33.7 / -33.7	+30.7 / -30.7	+30.0 / -30.0
88.750	87.500	Glass Type A	+48.2 / -48.2	+45.8 / -45.8	+43.9 / -43.9	+41.1 / -41.1	+39.2 / -39.2	+38.1 / -38.1	+35.2 / -35.2	+32.1 / -32.1	+29.5 / -29.5	+27.6 / -27.6
		Glass Type B, C, D, E, F, G, H	+48.2 / -48.2	+45.8 / -45.8	+43.9 / -43.9	+41.1 / -41.1	+39.2 / -39.2	+38.1 / -38.1	+35.2 / -35.2	+32.1 / -32.1	+30.0 / -30.0	+30.0 / -30.0
92.250	91.000	Glass Type A	+45.7 / -45.7	+43.4 / -43.4	+41.5 / -41.5	+38.7 / -38.7	+36.7 / -36.7	+35.6 / -35.6	+33.7 / -33.7	+30.9 / -30.9	+28.4 / -28.4	+26.6 / -26.6
		Glass Type B, C, D, E, F, G, H	+45.7 / -45.7	+43.4 / -43.4	+41.5 / -41.5	+38.7 / -38.7	+36.7 / -36.7	+35.6 / -35.6	+33.7 / -33.7	+30.9 / -30.9	+30.0 / -30.0	+30.0 / -30.0

NOTES:

1. IF SIZE INTENDED IS NOT SHOWN, USE NEXT LARGER SIZE.
2. THRU FRAME OR THRU CLIP ANCHORS MAY BE USED AT ANY SIDE OF WINDOW WHILE MAINTAINING THE RESPECTIVE SPECIFIED SPACING (I.E., THRU FRAME ANCHOR SPACING OR THRU CLIP ANCHOR SPACING). REFER TO FIGURE 3.1 FOR EXAMPLE THRU FRAME/THRU CLIP ANCHOR COMBINATION.

FIGURE 3.1 (SEE NOTE 2)
EXAMPLE 36" x 62" THRU FRAME/THRU CLIP COMBINATION





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FL PE # 58201
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2428 Old Natchez Trc Trl
Camden, TN 38320
PH. 941-380-1574

SHEET DESCRIPTION:
COMPARATIVE ANALYSIS
- EQUAL SPLIT W/CLIPS

DRAWN BY:	DATE:
MCS	9/6/2023
DWG #:	REV.:
CWS-466	F
SCALE:	SHEET
1:20	3 OF 11

DP CHART: EQUAL SPLIT												
DESIGN PRESSURES FOR EQUAL SPLIT CONFIGURATION. LIMITED BY GLASS AND TESTED PRESSURE LIMITATIONS												
Overall Flange Height	Unit Height	Overall Flange Width Unit Width	24.750 23.500	26.750 25.500	28.750 27.500	32.750 31.500	37.000 35.750	40.750 39.500	44.750 43.500	48.750 47.500	53.125 51.875	57.250 56.000
28.750	27.500	Glass Type A	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0
		Glass Type B, C, D, E, F, G, H	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0
32.750	31.500	Glass Type A	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -69.2	+50.0 / -66.1	+50.0 / -62.9	+50.0 / -61.3
		Glass Type B, C, D, E, F, G, H	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -69.9
36.750	35.500	Glass Type A	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -69.9	+50.0 / -61.9	+50.0 / -57.0	+50.0 / -53.5	+50.0 / -50.1	+48.4 / -48.4
		Glass Type B, C, D, E, F, G, H	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -69.4	+50.0 / -63.3
38.375	37.125	Glass Type A	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -68.1	+50.0 / -59.8	+50.0 / -54.1	+50.0 / -50.2	+46.8 / -46.8	+44.8 / -44.8
		Glass Type B, C, D, E, F, G, H	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -67.0	+50.0 / -61.1
40.750	39.500	Glass Type A	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -66.4	+50.0 / -58.0	+50.0 / -51.5	+47.3 / -47.3	+42.9 / -42.9	+40.7 / -40.7
		Glass Type B, C, D, E, F, G, H	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -63.8	+50.0 / -58.1
44.750	43.500	Glass Type A	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -64.7	+50.0 / -56.7	+49.9 / -49.9	+44.5 / -44.5	+39.8 / -39.8	+36.9 / -36.9
		Glass Type B, C, D, E, F, G, H	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -66.5	+50.0 / -59.4	+50.0 / -54.0
48.750	47.500	Glass Type A	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -63.2	+50.0 / -56.0	+49.4 / -49.4	+44.0 / -44.0	+38.9 / -38.9	+35.2 / -35.2
		Glass Type B, C, D, E, F, G, H	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -62.6	+50.0 / -55.7	+50.0 / -50.5
50.625	49.375	Glass Type A	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -62.5	+50.0 / -55.6	+49.3 / -49.3	+43.9 / -43.9	+38.8 / -38.8	+35.1 / -35.1
		Glass Type B, C, D, E, F, G, H	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -68.8	+50.0 / -61.0	+50.0 / -54.3	+49.1 / -49.1
52.750	51.500	Glass Type A	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -61.5	+50.0 / -55.2	+49.1 / -49.1	+43.9 / -43.9	+39.0 / -39.0	+35.1 / -35.1
		Glass Type B, C, D, E, F, G, H	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -67.1	+50.0 / -59.4	+50.0 / -52.7	+47.7 / -47.7
56.750	55.500	Glass Type A	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -67.4	+50.0 / -59.6	+50.0 / -53.9	+48.4 / -48.4	+43.7 / -43.7	+38.9 / -38.9	+35.4 / -35.4
		Glass Type B, C, D, E, F, G, H	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -64.4	+50.0 / -56.7	+50.0 / -50.2	+45.3 / -45.3
60.750	59.500	Glass Type A	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -63.7	+50.0 / -57.3	+50.0 / -51.7	+47.5 / -47.5	+42.8 / -42.8	+38.7 / -38.7	+35.3 / -35.3
		Glass Type B, C, D, E, F, G, H	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -62.2	+50.0 / -54.6	+48.1 / -48.1	+43.3 / -43.3
63.000	61.750	Glass Type A	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -69.1	+50.0 / -61.9	+50.0 / -55.6	+50.0 / -50.7	+46.4 / -46.4	+42.1 / -42.1	+38.4 / -38.4	+35.2 / -35.2
		Glass Type B, C, D, E, F, G, H	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -61.1	+50.0 / -53.5	+47.1 / -47.1	+42.3 / -42.3
66.750	65.500	Glass Type A	+50.0 / -70.0	+50.0 / -68.9	+50.0 / -65.4	+50.0 / -59.1	+50.0 / -52.8	+48.8 / -48.8	+44.5 / -44.5	+41.0 / -41.0	+37.4 / -37.4	+34.7 / -34.7
		Glass Type B, C, D, E, F, G, H	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -69.3	+50.0 / -67.7	+50.0 / -67.6	+50.0 / -67.6	+50.0 / -59.6	+50.0 / -51.9	+45.5 / -45.5	+40.8 / -40.8
68.750	67.500	Glass Type A	+50.0 / -69.0	+50.0 / -66.4	+50.0 / -63.5	+50.0 / -57.6	+50.0 / -51.6	+47.6 / -47.6	+43.5 / -43.5	+40.2 / -40.2	+36.8 / -36.8	+34.1 / -34.1
		Glass Type B, C, D, E, F, G, H	+50.0 / -70.0	+50.0 / -67.7	+50.0 / -65.9	+50.0 / -63.9	+50.0 / -63.6	+50.0 / -63.6	+50.0 / -58.9	+50.0 / -51.2	+44.8 / -44.8	+40.1 / -40.1
72.750	71.500	Glass Type A	+50.0 / -64.0	+50.0 / -61.8	+50.0 / -59.9	+50.0 / -54.6	+49.5 / -49.5	+45.3 / -45.3	+41.5 / -41.5	+38.6 / -38.6	+35.5 / -35.5	+32.8 / -32.8
		Glass Type B, C, D, E, F, G, H	+50.0 / -64.2	+50.0 / -61.8	+50.0 / -59.9	+50.0 / -57.5	+50.0 / -56.7	+50.0 / -56.7	+50.0 / -56.7	+50.0 / -50.0	+43.6 / -43.6	+38.8 / -38.8
76.000	74.750	Glass Type A	+50.0 / -60.2	+50.0 / -57.7	+50.0 / -55.8	+50.0 / -52.5	+47.6 / -47.6	+43.5 / -43.5	+40.1 / -40.1	+37.4 / -37.4	+34.2 / -34.2	+31.6 / -31.6
		Glass Type B, C, D, E, F, G, H	+50.0 / -60.2	+50.0 / -57.7	+50.0 / -55.8	+50.0 / -53.2	+50.0 / -52.0	+50.0 / -51.9	+50.0 / -51.9	+49.2 / -49.2	+42.7 / -42.7	+38.0 / -38.0
80.750	79.500	Glass Type A	+50.0 / -55.1	+50.0 / -52.6	+50.0 / -50.7	+47.9 / -47.9	+45.0 / -45.0	+41.2 / -41.2	+38.1 / -38.1	+35.5 / -35.5	+32.1 / -32.1	+30.1 / -30.1
		Glass Type B, C, D, E, F, G, H	+50.0 / -55.1	+50.0 / -52.6	+50.0 / -50.7	+47.9 / -47.9	+46.3 / -46.3	+45.9 / -45.9	+45.9 / -45.9	+45.9 / -45.9	+41.6 / -41.6	+36.9 / -36.9
84.750	83.500	Glass Type A	+50.0 / -51.4	+49.0 / -49.0	+47.1 / -47.1	+44.2 / -44.2	+42.4 / -42.4	+39.6 / -39.6	+36.6 / -36.6	+33.7 / -33.7	+30.7 / -30.7	+28.8 / -28.8
		Glass Type B, C, D, E, F, G, H	+50.0 / -51.4	+49.0 / -49.0	+47.1 / -47.1	+44.2 / -44.2	+42.4 / -42.4	+41.7 / -41.7	+41.6 / -41.6	+41.6 / -41.6	+40.9 / -40.9	+36.1 / -36.1
88.750	87.500	Glass Type A	+48.2 / -48.2	+45.8 / -45.8	+43.9 / -43.9	+41.1 / -41.1	+39.2 / -39.2	+38.1 / -38.1	+35.2 / -35.2	+32.1 / -32.1	+29.5 / -29.5	+27.6 / -27.6
		Glass Type B, C, D, E, F, G, H	+48.2 / -48.2	+45.8 / -45.8	+43.9 / -43.9	+41.1 / -41.1	+39.2 / -39.2	+38.2 / -38.2	+37.9 / -37.9	+37.9 / -37.9	+37.9 / -37.9	+35.5 / -35.5
92.250	91.000	Glass Type A	+45.7 / -45.7	+43.4 / -43.4	+41.5 / -41.5	+38.7 / -38.7	+36.7 / -36.7	+35.6 / -35.6	+33.7 / -33.7	+30.9 / -30.9	+28.4 / -28.4	+26.6 / -26.6
		Glass Type B, C, D, E, F, G, H	+45.7 / -45.7	+43.4 / -43.4	+41.5 / -41.5	+38.7 / -38.7	+36.7 / -36.7	+35.6 / -35.6	+35.1 / -35.1	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0

- NOTES:
1. IF SIZE INTENDED IS NOT SHOWN, USE NEXT LARGER SIZE.
2. IF THRU FRAME ANCHORS ARE SUBSTITUTED WITH INSTALLATION CLIPS, DP IS LIMITED TO +30/-30 PSF AND UNIT WIDTH IS LIMITED TO 51.875".



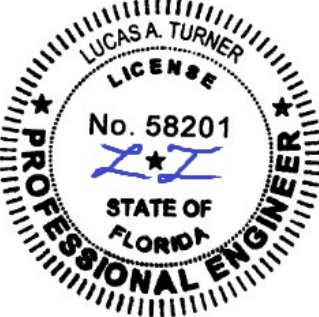
1900 SW 44TH AVE.
OCALA, FLORIDA 34474
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3500 ALUM.
SINGLE HUNG
NON-IMPACT

PROPRIETARY AND CONFIDENTIAL

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FLORIDA APPROVAL NO.:
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9/14/2023

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

SHEET DESCRIPTION:
COMPARATIVE ANALYSIS
- EQUAL SPLIT

DRAWN BY:
MCS

DATE:
9/6/2023

DWG #:
CWS-466

REV.:
F

SCALE:
1:1

SHEET
4 OF 11

DP CHART C: ORIEL													
DESIGN PRESSURES FOR ORIEL CONFIGURATION. LIMITED BY GLASS AND TESTING DESIGN LIMITATIONS													
Overall Flg	Unit	Sash	Overall Flange Width	24.750	26.750	28.750	32.750	37.000	40.750	44.750	48.750	53.125	57.250
Height	Height	Height	Unit Width	23.500	25.500	27.500	31.500	35.750	39.500	43.500	47.500	51.875	56.000
28.750	27.500	12.000	Glass A Sash, Glass E Fixed	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0
			Glass Type B, C, D, E, F, G, H	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0
32.750	31.500	12.000	Glass A Sash, Glass E Fixed	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -69.3	+50.0 / -67.6
			Glass Type B, C, D, E, F, G, H	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -69.9
36.750	35.500	12.062	Glass A Sash, Glass E Fixed	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -64.8	+50.0 / -60.4	+50.0 / -57.2	+50.0 / -53.6	+50.0 / -52.1
			Glass Type B, C, D, E, F, G, H	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -69.4	+50.0 / -63.2
38.375	37.125	12.625	Glass A Sash, Glass E Fixed	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -69.7	+50.0 / -61.6	+50.0 / -56.6	+50.0 / -53.0	+49.7 / -49.7	+48.0 / -48.0
			Glass Type B, C, D, E, F, G, H	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -65.8	+50.0 / -60.8
40.750	39.500	13.438	Glass A Sash, Glass E Fixed	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -67.3	+50.0 / -59.0	+50.0 / -52.8	+48.9 / -48.9	+45.1 / -45.1	+42.8 / -42.8
			Glass Type B, C, D, E, F, G, H	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -69.3	+50.0 / -61.3	+50.0 / -56.6
44.750	43.500	14.812	Glass A Sash, Glass E Fixed	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -65.3	+50.0 / -57.0	+50.0 / -50.3	+45.2 / -45.2	+40.5 / -40.5	+37.9 / -37.9
			Glass Type B, C, D, E, F, G, H	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -65.1	+50.0 / -58.0	+50.0 / -52.6
48.750	47.500	16.125	Glass A Sash, Glass E Fixed	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -63.8	+50.0 / -56.3	+49.6 / -49.6	+44.0 / -44.0	+39.1 / -39.1	+35.4 / -35.4
			Glass Type B, C, D, E, F, G, H	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -68.4	+50.0 / -62.0	+50.0 / -55.7	+50.0 / -50.5
50.625	49.375	16.812	Glass A Sash, Glass E Fixed	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -63.1	+50.0 / -55.9	+49.4 / -49.4	+43.9 / -43.9	+38.8 / -38.8	+35.1 / -35.1
			Glass Type B, C, D, E, F, G, H	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -66.1	+50.0 / -60.9	+50.0 / -54.3	+49.1 / -49.1
52.750	51.500	17.500	Glass A Sash, Glass E Fixed	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -62.2	+50.0 / -55.5	+49.3 / -49.3	+43.9 / -43.9	+38.9 / -38.9	+35.0 / -35.0
			Glass Type B, C, D, E, F, G, H	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -63.7	+50.0 / -59.4	+50.0 / -52.7	+47.7 / -47.7
56.750	55.500	18.875	Glass A Sash, Glass E Fixed	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -68.8	+50.0 / -60.3	+50.0 / -54.6	+48.7 / -48.7	+43.8 / -43.8	+39.0 / -39.0	+35.3 / -35.3
			Glass Type B, C, D, E, F, G, H	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -68.2	+50.0 / -63.7	+50.0 / -60.2	+50.0 / -55.8	+50.0 / -50.2	+45.3 / -45.3
60.750	59.500	20.250	Glass A Sash, Glass E Fixed	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -67.7	+50.0 / -62.8	+50.0 / -58.3	+50.0 / -52.4	+47.9 / -47.9	+43.2 / -43.2	+38.8 / -38.8	+35.4 / -35.4
			Glass Type B, C, D, E, F, G, H	+50.0 / -70.0	+50.0 / -70.0	+50.0 / -67.7	+50.0 / -62.8	+50.0 / -59.3	+50.0 / -57.3	+50.0 / -55.9	+50.0 / -52.6	+48.1 / -48.1	+43.3 / -43.3
63.000	61.750	21.000	Glass A Sash, Glass E Fixed	+50.0 / -70.0	+50.0 / -66.6	+50.0 / -63.5	+50.0 / -58.7	+50.0 / -55.1	+50.0 / -51.3	+47.2 / -47.2	+42.5 / -42.5	+38.7 / -38.7	+35.2 / -35.2
			Glass Type B, C, D, E, F, G, H	+50.0 / -70.0	+50.0 / -66.6	+50.0 / -63.5	+50.0 / -58.7	+50.0 / -55.1	+50.0 / -53.0	+50.0 / -51.6	+50.0 / -50.7	+45.8 / -45.8	+42.3 / -42.3
66.750	65.500	22.250	Glass A Sash, Glass E Fixed	+50.0 / -64.1	+50.0 / -60.5	+50.0 / -57.5	+50.0 / -52.8	+49.3 / -49.3	+47.1 / -47.1	+45.5 / -45.5	+42.4 / -42.4	+38.6 / -38.6	+35.2 / -35.2
			Glass Type B, C, D, E, F, G, H	+50.0 / -64.1	+50.0 / -60.5	+50.0 / -57.5	+50.0 / -52.8	+49.3 / -49.3	+47.1 / -47.1	+45.5 / -45.5	+44.5 / -44.5	+43.8 / -43.8	+40.0 / -40.0
68.750	67.500	22.938	Glass A Sash, Glass E Fixed	+50.0 / -61.1	+50.0 / -57.6	+50.0 / -54.7	+50.0 / -50.2	+46.7 / -46.7	+44.5 / -44.5	+42.8 / -42.8	+41.7 / -41.7	+38.6 / -38.6	+35.2 / -35.2
			Glass Type B, C, D, E, F, G, H	+50.0 / -61.1	+50.0 / -57.6	+50.0 / -54.7	+50.0 / -50.2	+46.7 / -46.7	+44.5 / -44.5	+42.8 / -42.8	+41.7 / -41.7	+41.0 / -41.0	+39.4 / -39.4
72.750	71.500	24.313	Glass A Sash, Glass E Fixed	+50.0 / -53.5	+50.0 / -51.1	+49.1 / -49.1	+45.6 / -45.6	+42.2 / -42.2	+40.0 / -40.0	+38.3 / -38.3	+37.0 / -37.0	+36.1 / -36.1	+35.2 / -35.2
			Glass Type B, C, D, E, F, G, H	+50.0 / -53.5	+50.0 / -51.1	+49.1 / -49.1	+45.6 / -45.6	+42.2 / -42.2	+40.0 / -40.0	+38.3 / -38.3	+37.0 / -37.0	+36.1 / -36.1	+35.6 / -35.6
76.000	74.750	25.438	Glass A Sash, Glass E Fixed	+48.1 / -48.1	+45.7 / -45.7	+43.8 / -43.8	+41.0 / -41.0	+39.1 / -39.1	+38.1 / -38.1	+37.7 / -37.7	+36.4 / -36.4	+35.5 / -35.5	+35.0 / -35.0
			Glass Type B, C, D, E, F, G, H	+48.1 / -48.1	+45.7 / -45.7	+43.8 / -43.8	+41.0 / -41.0	+39.1 / -39.1	+38.1 / -38.1	+37.7 / -37.7	+36.4 / -36.4	+35.5 / -35.5	+35.0 / -35.0
80.750	79.500	27.000	Glass A Sash, Glass E Fixed	+37.1 / -37.1	+36.1 / -36.1	+35.4 / -35.4	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0
			Glass Type B, C, D, E, F, G, H	+37.1 / -37.1	+36.1 / -36.1	+35.4 / -35.4	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0
84.750	83.500	28.375	Glass A Sash, Glass E Fixed	+37.1 / -37.1	+36.1 / -36.1	+35.4 / -35.4	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0
			Glass Type B, C, D, E, F, G, H	+37.1 / -37.1	+36.1 / -36.1	+35.4 / -35.4	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0
88.750	87.500	29.750	Glass A Sash, Glass E Fixed	+37.1 / -37.1	+36.1 / -36.1	+35.4 / -35.4	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0
			Glass Type B, C, D, E, F, G, H	+37.1 / -37.1	+36.1 / -36.1	+35.4 / -35.4	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0
92.250	91.000	30.938	Glass A Sash, Glass E Fixed	+37.1 / -37.1	+36.1 / -36.1	+35.4 / -35.4	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0
			Glass Type B, C, D, E, F, G, H	+37.1 / -37.1	+36.1 / -36.1	+35.4 / -35.4	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0	+35.0 / -35.0

NOTES:

1. IF SIZE INTENDED IS NOT SHOWN, USE NEXT LARGER SIZE.
2. IF INSTALLATION CLIPS ARE USED AT SPACING SHOWN ON SHEET 9, DP IS LIMITED TO +30/-30 PSF.



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9/14/2023

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

SHEET DESCRIPTION:

COMPARATIVE ANALYSIS
- ORIEL

DRAWN BY:

DATE:

MCS

9/6/2023

DWG #:

REV.:

CWS-466

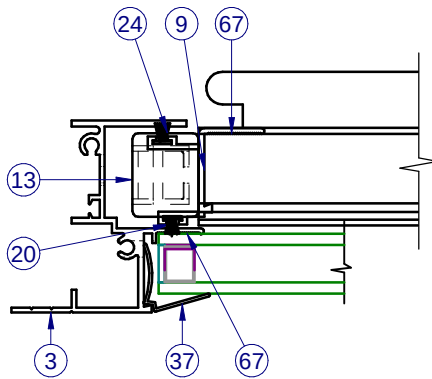
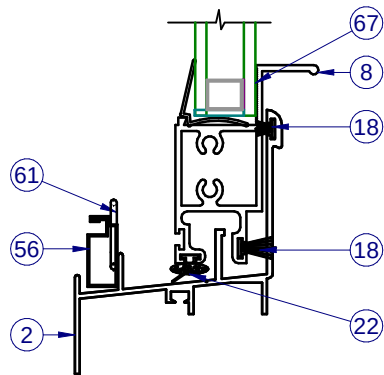
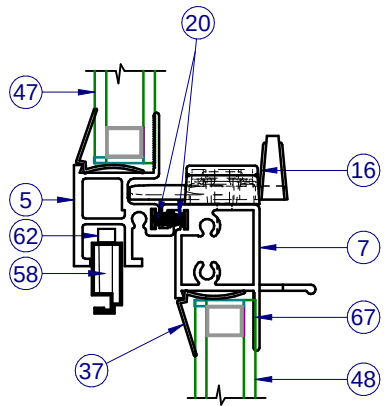
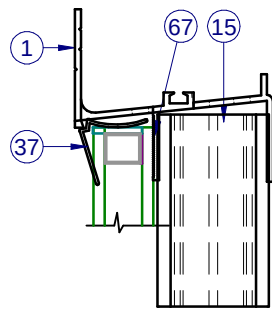
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SCALE:

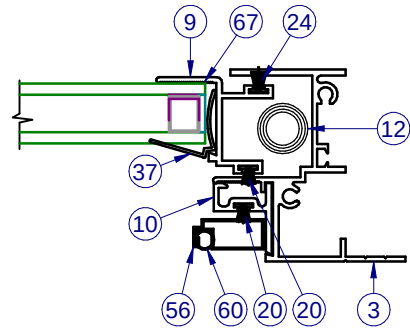
SHEET

1:1

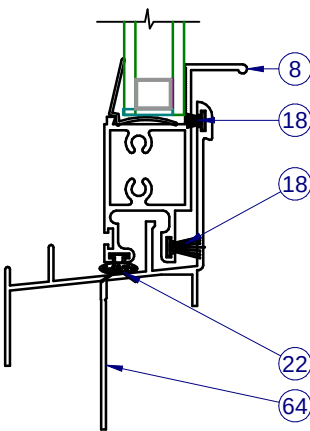
5 OF 11



EXTERIOR



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



ALT, FIN FRAME

NOTE: ITEMS 11, 14, 23, 26-32, 34, 35, 42, 43-46, 59, 63, 65, 66 ARE USED BUT NOT SHOWN FOR CLARITY.

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2428 Old Natchez Trc Trl
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PH. 941-380-1574

SHEET DESCRIPTION:

**SECTION VIEWS -
ALTERNATE FIN FRAME**

DRAWN BY:

MCS

DATE:

9/6/2023

DWG #:

CWS-466

REV.:

F

SCALE:

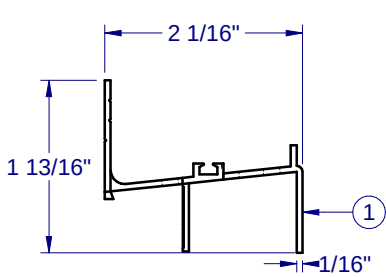
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**SHEET
6 OF 11**

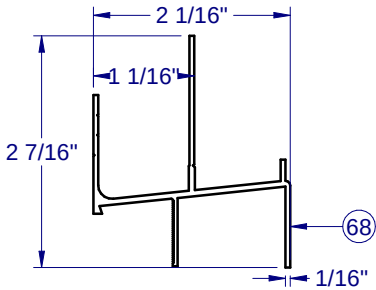
Item	Part #	Description	Material
1	S-1326	Fr. Head, Flg. Head	Aluminum
2	S-1182	Fr. Sill, Flg., Sill	Aluminum
3	S-1077	Fr. Jamb, Flg.	Aluminum
5	H-1563	Fxd. Mtg. Rail	Aluminum
7	H-1072	Sash Meet. Rail	Aluminum
8	H-1181	Sash Bot./Pull Rail	Aluminum
9	S-1073	Sash Side/Top Rail	Aluminum
10	S-1074	Scrn. Adapt., w/o leg, Vert.	Aluminum
11	S-1465	Install Clip	Aluminum
12		Sash Balance	
13	P-3040	Sash Cam	
14	P-3046	Take Out Clip	
15	P-3043	Sash Stop	
16	P-4707	SWEEP LOCK, AMBIDEXTROUS (3500/7000)	Nylon
18	P-3305	Wstp., .0270 x .187 back FinSeal, Black, SoftTouch	Nylon
20	P-3304	Wstp., .180 x .187 Back, Fin, Ultra Fin	Nylon
22	P-3011	Wstp., 0.350 x .187 back, foam filled bulb w/wands	Nylon
24	P-3309	Wstp., 0.210 x .187 back FinSeal, Black, SoftTouch	Nylon
26	P-4144	#8 X 1.000 w 1/4" lead Quad Type A SMS	Steel
28	P-3635	#8 x 0.750 Quad PH Type A SMS	Steel
29	P-3515	#8 x 0.625 Ph FH Type A SMS	Steel
30	P-3264	Gasket, Hd. & Sill at Jb., SH-3500	Closed Cel
33		Seam Sealer, SM-5504	
34	P-3373	Pad, Sill, SH-3500	Open Cell
36	P-3431	GLAZING BEAD, SINGLE GLAZED, (PD, SH-3500, HS	Metal
37	P-3020	Glazing Bead, Insulated glass	PVC
42	P-3352	Set. Blk., 85 Dur., 1/8" x 5/8" x 2" Lg.	
47		Glass, Fixed	
48		Glass, Sash	
56	P-3218	Screen Frame	Alum
58	P-4754	SCREEN CORNER KEY	Alum
59	P-4771	36"-BetterVue Insect Screen, 18x16	
60	P-5576	Screen Spline, .125" Black PE Ribbed	Nylon
61	P-4755	SCREEN CORNER KEY (Rollform Scrn 1" Offset "w/ s	Steel
62	P-3195	SPRING, NO HOLE TENSION C-8400	SS
63	S-1197	Install Clip, Curved	Aluminum
66	S-1114	HEAD, SH ARCHTOP (SH-3500)	Aluminum
67		SikaFlex 552, Purfect Glaze "H"	
68	S-1330	Fr. Head, Fin, Head	Aluminum

LINE ITEMS NOT USED:
6,19,25,27,31,32,35,37-41,44,49-55,57

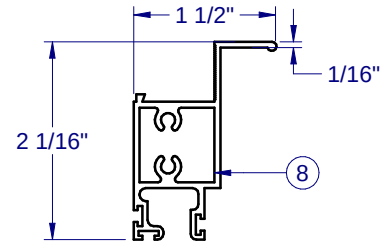
NOTE: ALL ALUMINUM EXTRUSION ARE 6063-T6



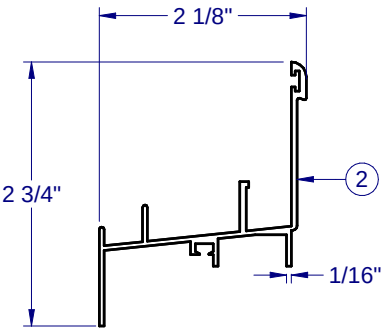
FLANGE HEAD S-1326



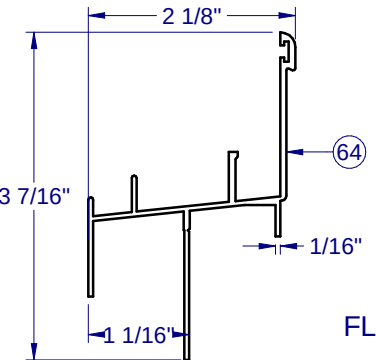
FIN HEAD S-1330



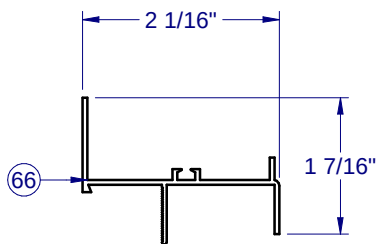
SASH BOTTOM RAIL H-1181



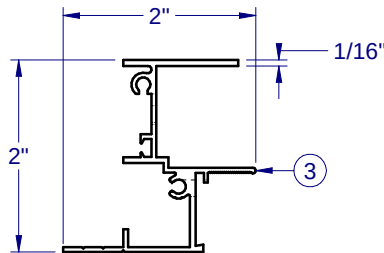
FLANGE SILL S-1182



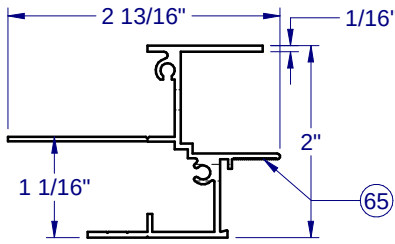
FIN SILL S-1180



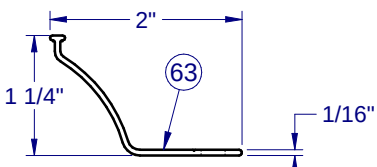
FLANGE HEAD, ARCHTOP S-1114



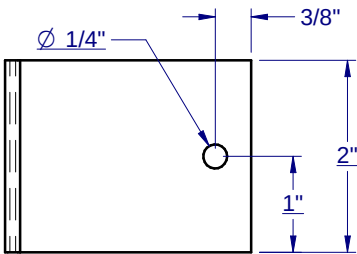
FLANGE JAMB S-1077



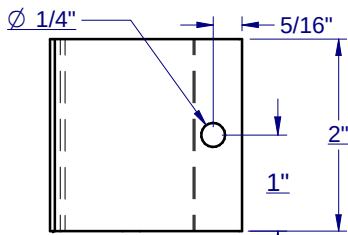
FIN JAMB S-1500



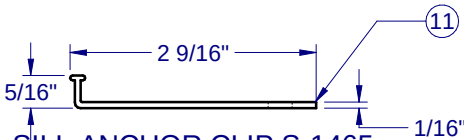
ANCHOR CLIP - 1197



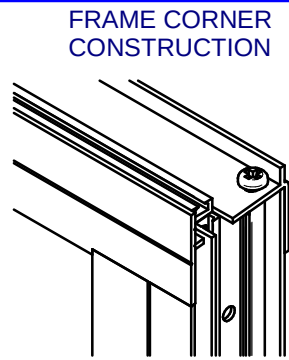
PLAN VIEW OF ANCHOR CLIP



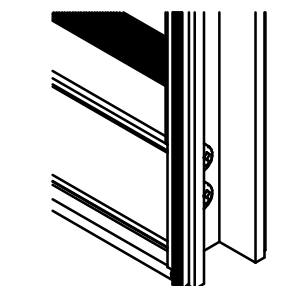
PLAN VIEW



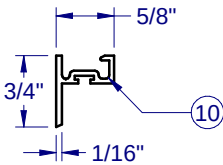
SILL ANCHOR CLIP S-1465



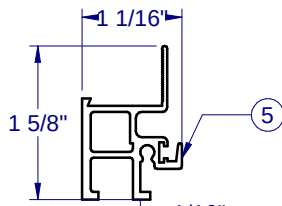
FRAME CORNER CONSTRUCTION



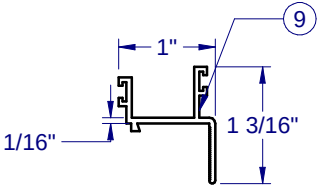
SASH CORNER CONSTRUCTION



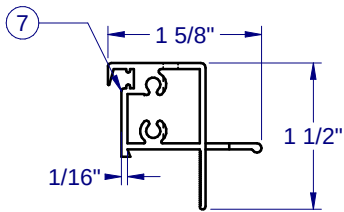
SCREEN ADAPTER S-1074



FIXED RAIL H-1563



SASH SIDE RAIL S-1073



SASH TOP RAIL H-1072



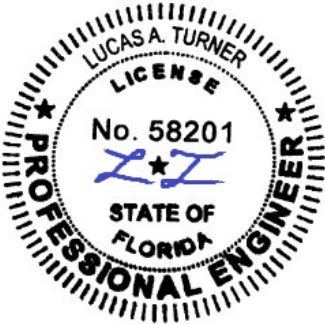
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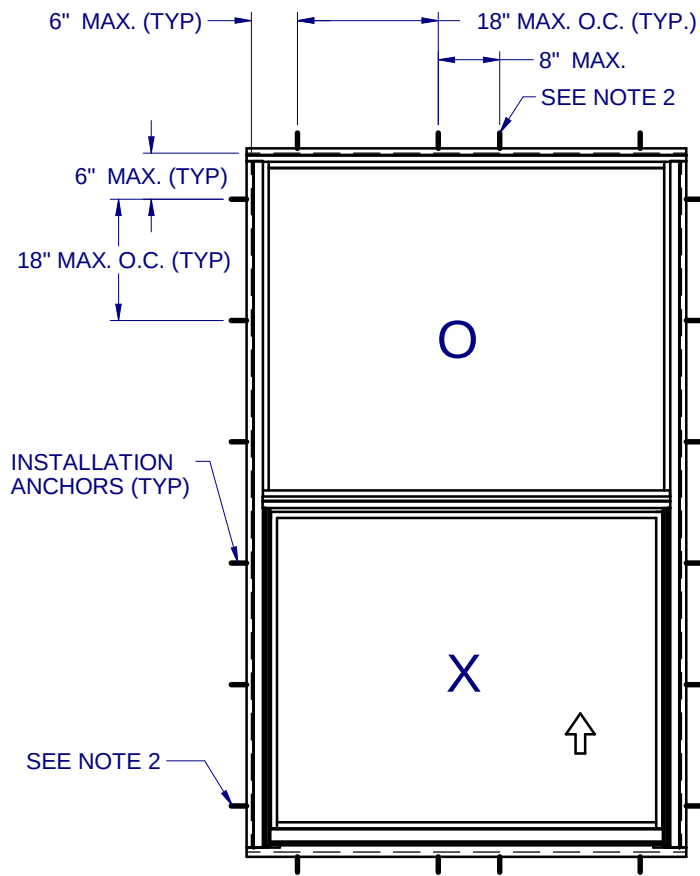
9/14/2023

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Turner Engineering & Consulting, Inc.
2428 Old Natchez Trc Trl
Camden, TN 38320
PH. 941-380-1574

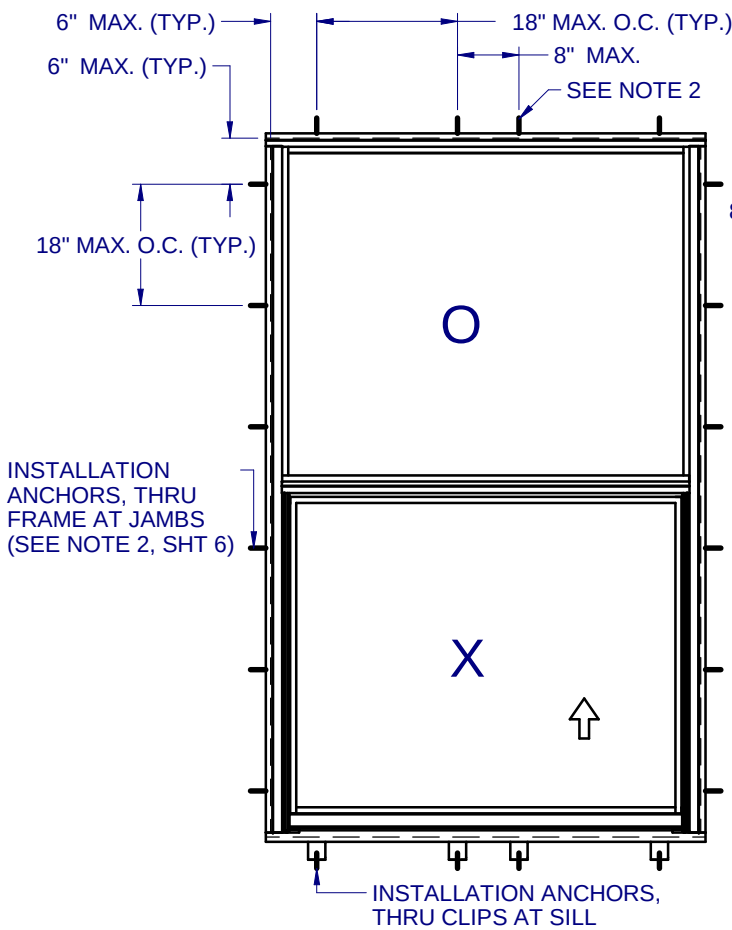
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BOM AND EXTRUSIONS

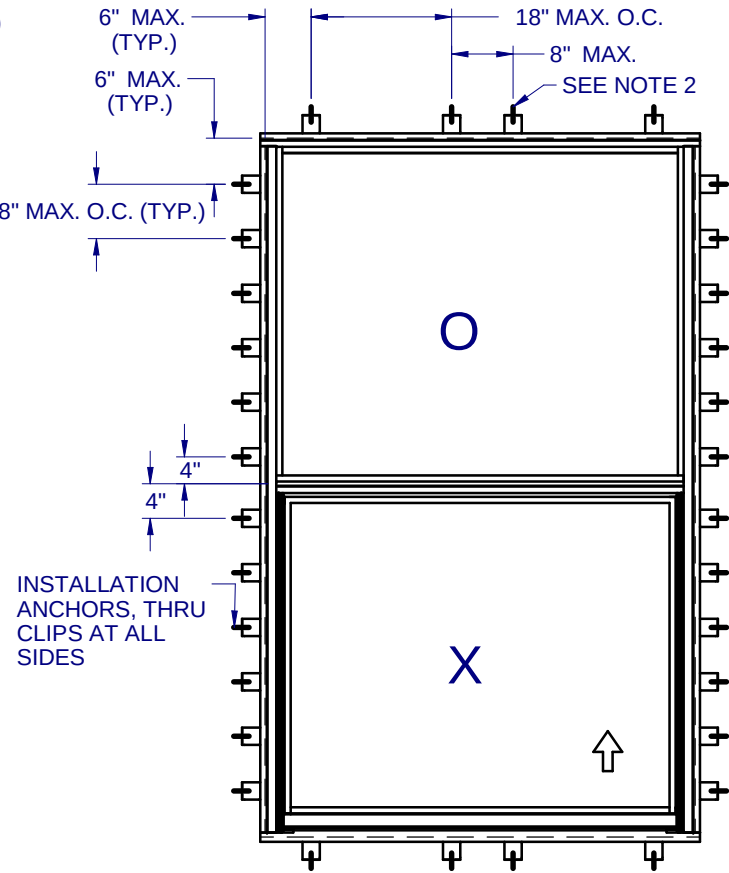
DRAWN BY:	DATE:
MCS	9/6/2023
DWG #:	REV.:
CWS-466	F
SCALE:	SHEET
1:2	7 OF 11



ANCHOR LAYOUT - (FLANGE) FOR DP CHART A
THRU FRAME OR CLIP (MASONRY OR WOOD OPENING)
DP LIMITED BY GLASS AND TESTED PRESSURE LIMITATIONS, SEE SHEET 5

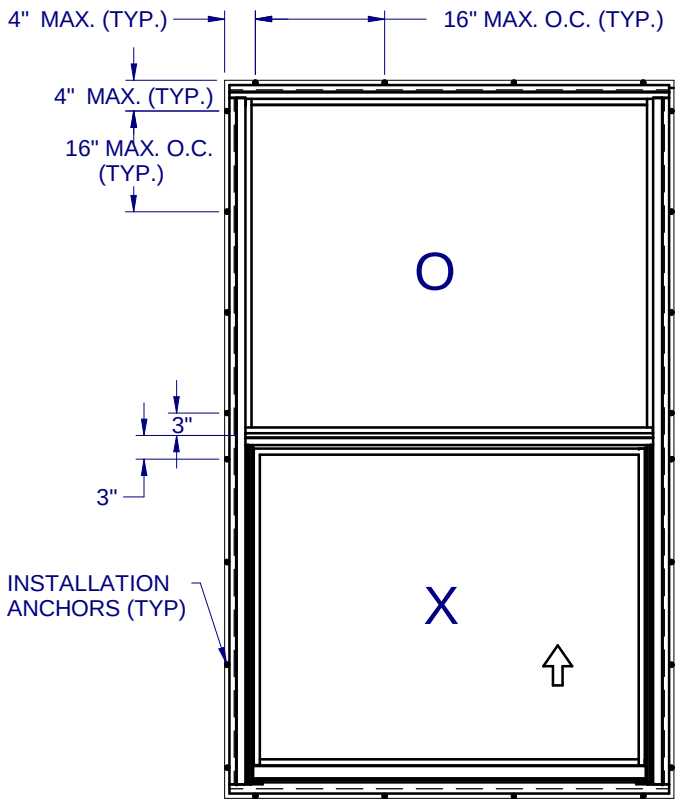


ANCHOR LAYOUT - (FLANGE) FOR DP CHART B
THRU FRAME OR CLIP (MASONRY OR WOOD OPENING)
DP LIMITED BY ANCHOR CLIPS, SEE SHEET 6



NOTES:

1. INSTALL ONE ANCHOR AT EACH LOCATION. SILL ANCHOR SPACING SAME AS HEAD.
2. SHIM AS REQ'D AT EACH SET OF INSTALLATION ANCHORS 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 SPECIFIED IN THESE DRAWINGS, SEE TABLE 1, SHEET 10.
4. ALL INSTALLATION ANCHORS MUST BE MADE OF OR COATED WITH A CORROSION RESISTANT MATERIAL. DISSIMILAR MATERIALS 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 10.
6. ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO. FOR CONCRETE/CMU OPENINGS, EMBEDMENT SHALL BE BEYOND WOOD BUCKS, IF USED, AND INTO SUBSTRATE - 1X BUCKS ARE OPTIONAL.
7. A MINIMUM 3" CENTER-TO-CENTER SPACING SHALL BE MAINTAINED BETWEEN ALL MASONRY FASTENERS. A MINIMUM 1" CENTER-TO-CENTER SPACING SHALL BE MAINTAINED BETWEEN ALL WOOD AND METAL FASTENERS.
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 10. CONCRETE AND MASONRY SUBSTRATES SHALL 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).



ANCHOR LAYOUT - (FIN) FOR DP CHART A
THRU NAILING FIN (WOOD OPENING)
DP LIMITED BY GLASS AND TESTED PRESSURE LIMITATIONS, SEE SHEET 5

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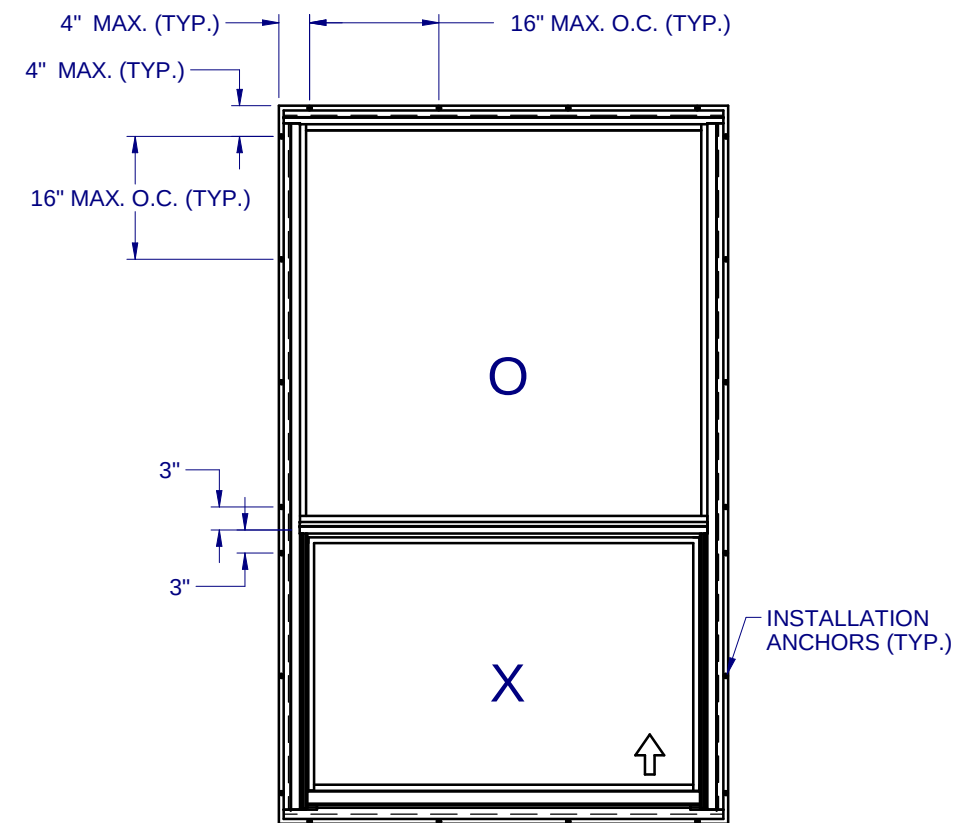
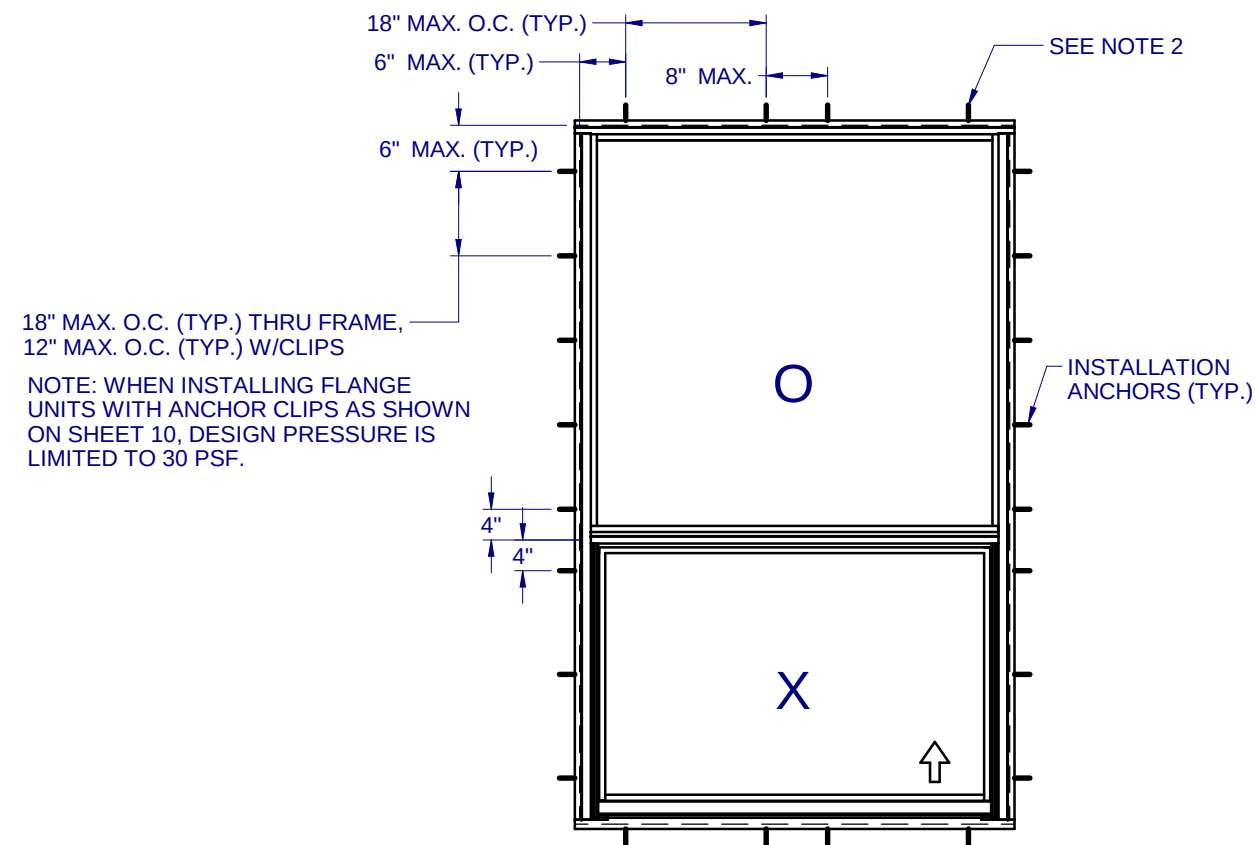
FLORIDA APPROVAL NO.:
163



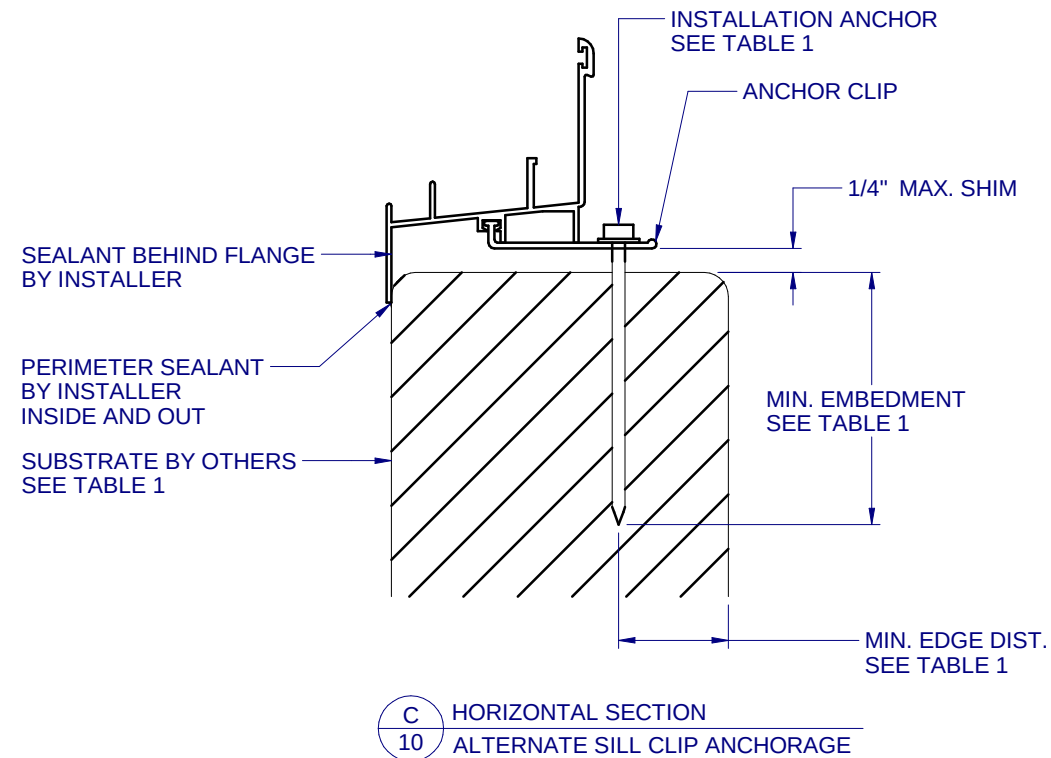
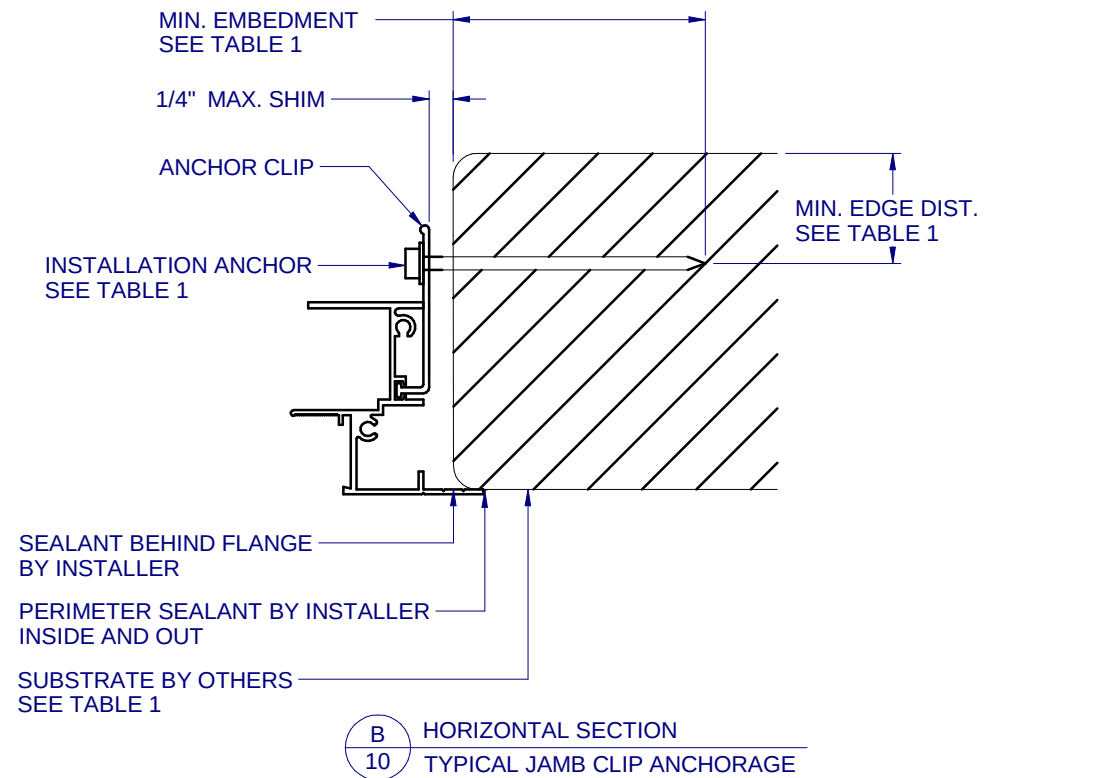
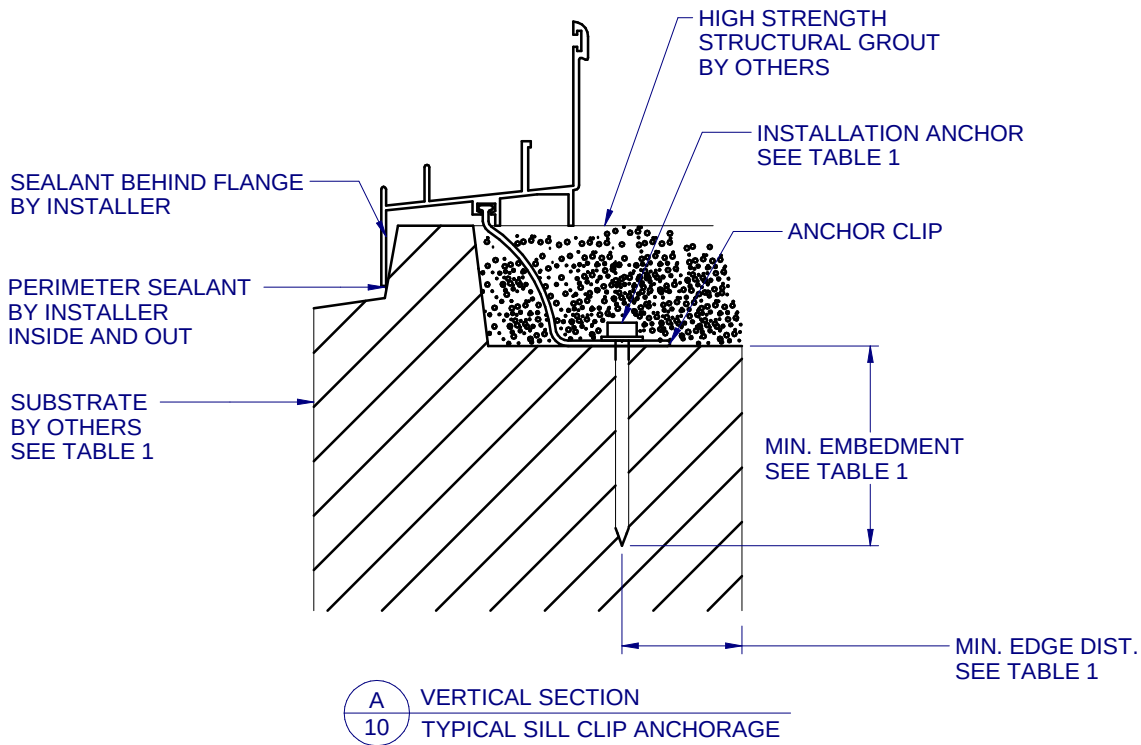
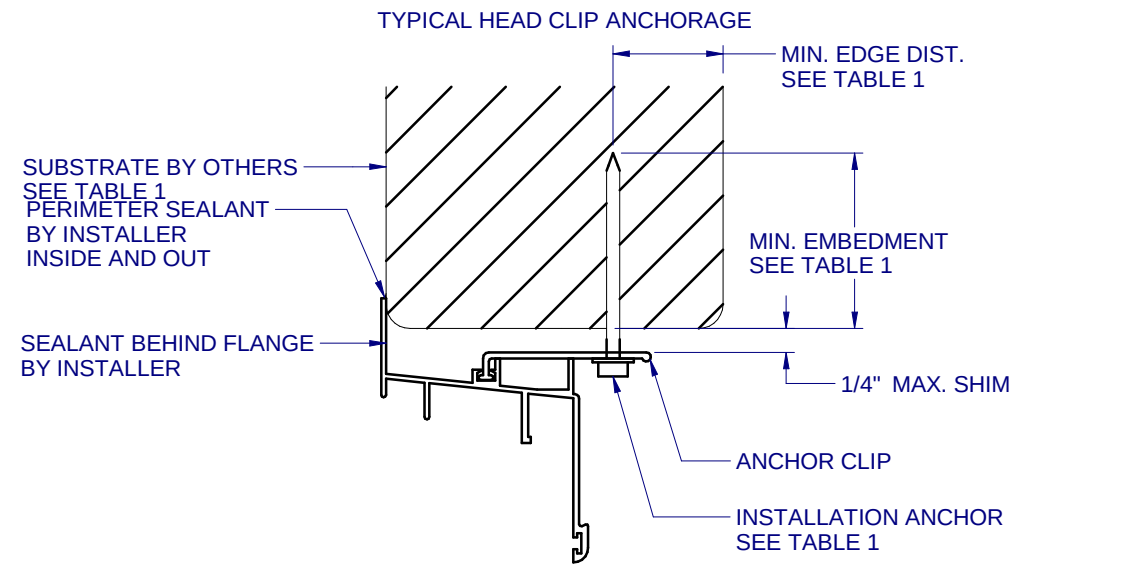
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2428 Old Natchez Trc Trl
Camden, TN 38320
PH. 941-380-1574

SHEET DESCRIPTION:
ANCHOR SCHEDULE AND
NOTES - EQUAL SPLIT

DRAWN BY:	DATE:
MCS	9/6/2023
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NOTE:
1. WHEN INSTALLING FLANGE UNITS WITH ANCHOR CLIPS AS SHOWN ON THIS SHEET, DESIGN PRESSURE IS LIMITED TO +/-30 PSF.

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"	1-1/8"
FLANGE	HOLLOW OR GROUT-FILLED CUM (117 PCF MIN.)	3/16" ITW TAPCON	1"	2"
FLANGE	CONCRETE (3.05 KSI MIN.)	3/16" DEWALT ULTRACON+	1-3/4"	1"
FLANGE	HOLLOW OR GROUT-FILLED CMU (ASTM C-90)	3/16" DEWALT ULTRACON+	1-1/4"	2-1/2"
FLANGE	2x MIN. SPRUCE-PINE-FIR WOOD (G=0.42 MIN.)	3/16" ITW TAPCON OR DEWALT ULTRACON+	1-3/8"	7/8"
FLANGE	2x MIN. SPRUCE-PINE-FIR WOOD (G=0.42 MIN.)	#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	FULL THREAD THRU 0.060"	1/2"
FLANGE	1/8" ALUM. (6063-T5 MIN.) OR 1/8" STEEL (33 KSI MIN.)	#10 GRADE 5 SELF-TRAPPING / DRILLING SCREW	FULL THREAD THRU 0.125"	1/2"
FIN	2x MIN. SPRUCE-PINE-FIR WOOD (G=0.42 MIN.)	#8 WOOD SCREW	1-1/2"	7/16"

**3500 ALUM.
SINGLE HUNG
NON-IMPACT**

PROPRIETARY AND CONFIDENTIAL

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FLORIDA APPROVAL NO.:

163



9/14/2023

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

SHEET DESCRIPTION:

**INSTALLATION DETAIL -
CLIPS**

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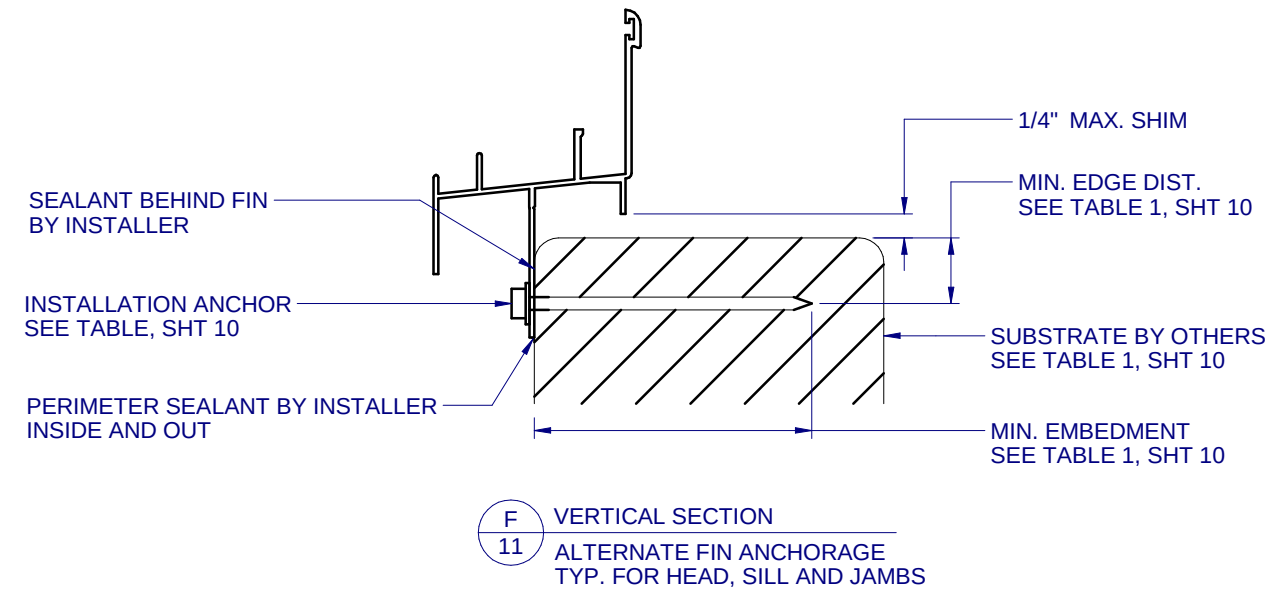
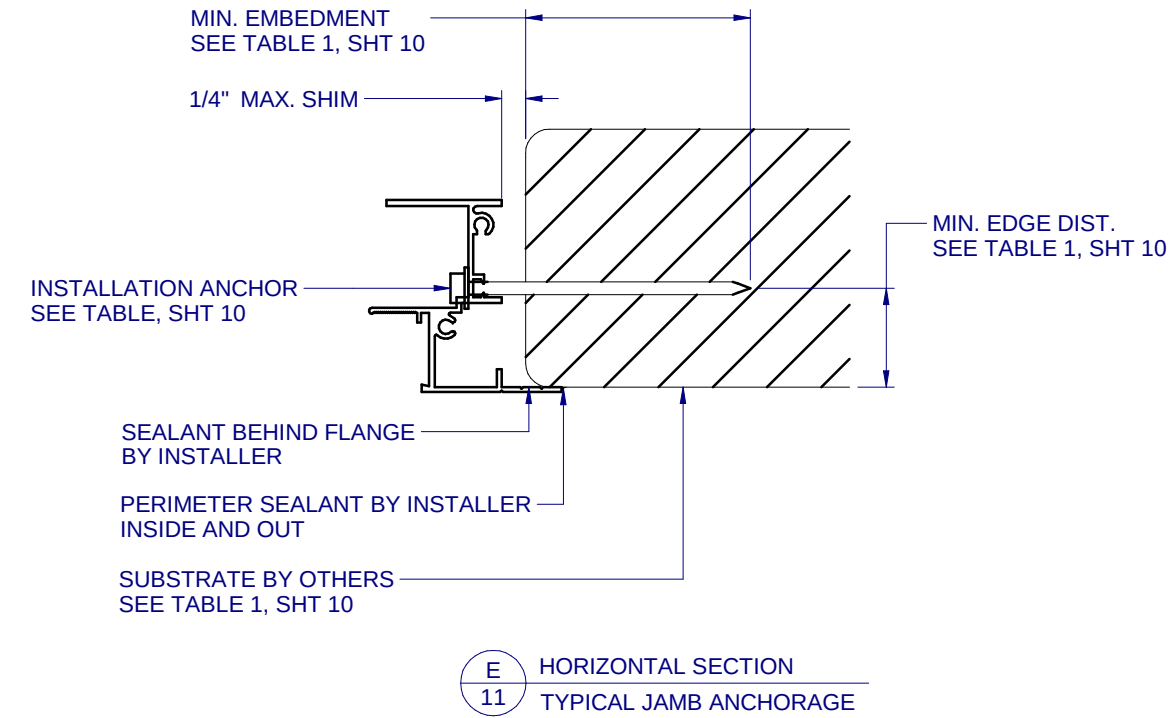
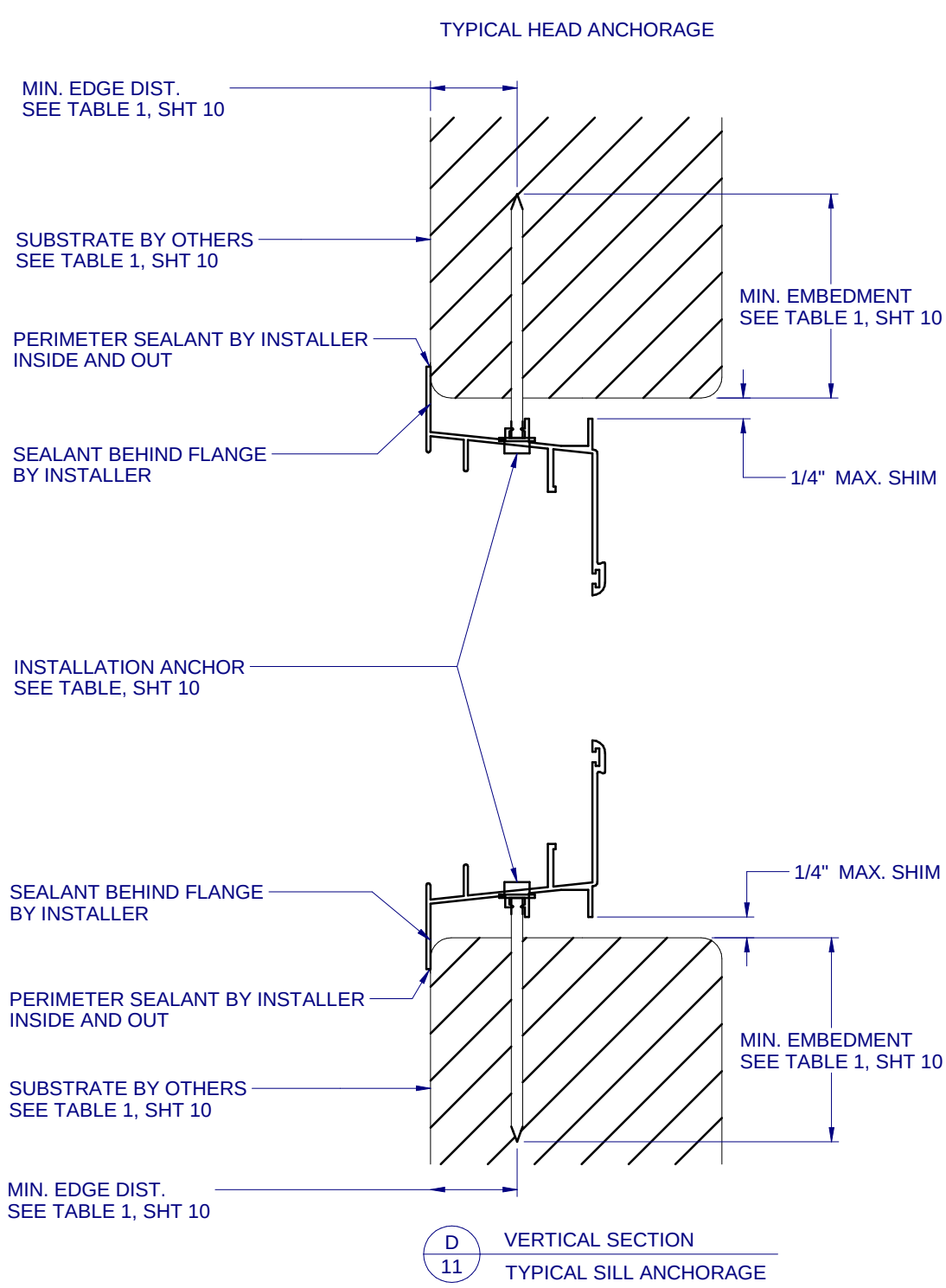
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SCALE:

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SHEET

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1900 SW 44TH AVE.
OCALA, FLORIDA 34474
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