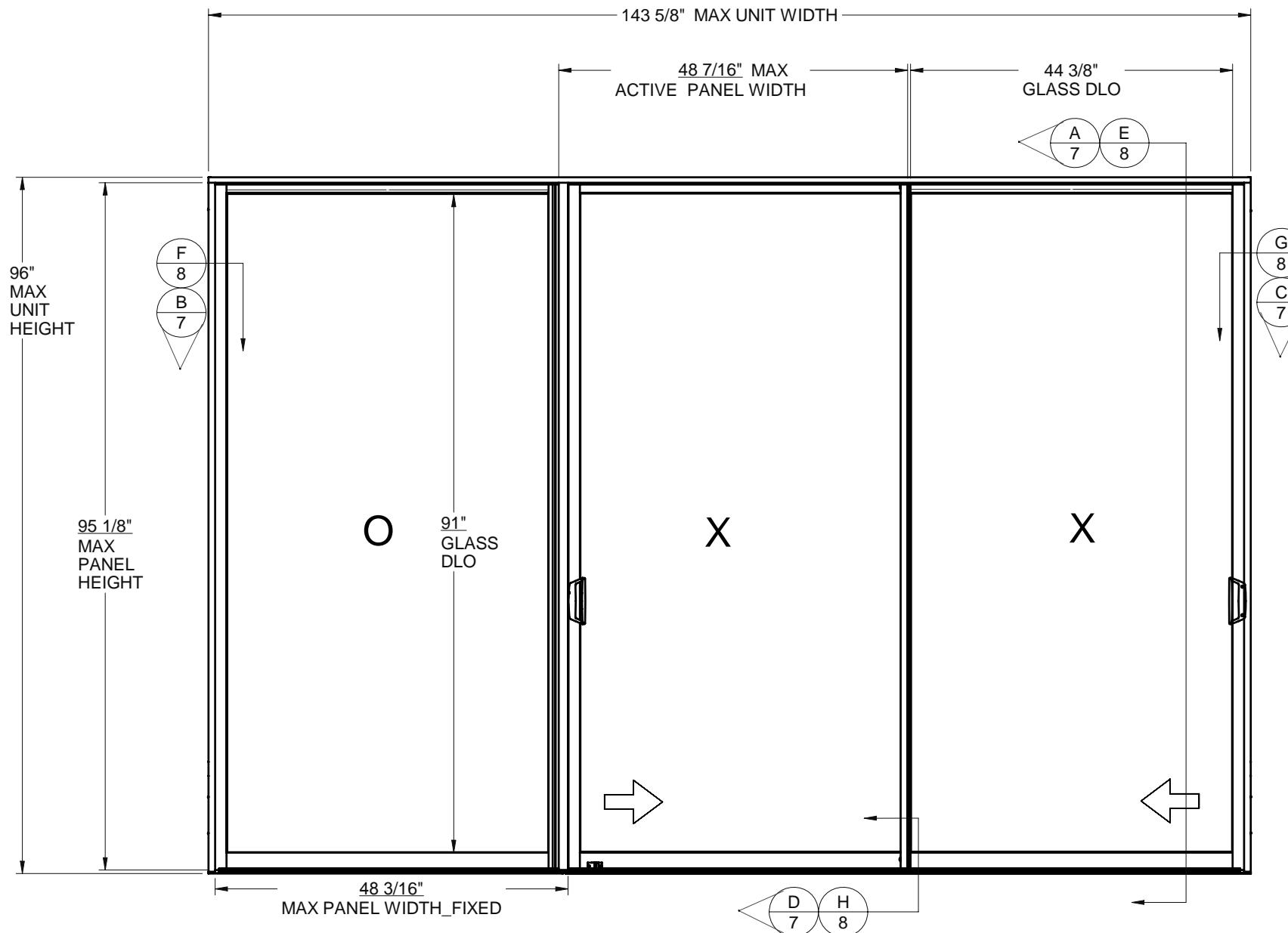


# SLIDING GLASS DOOR (NON-IMPACT)



## O/X/X MODEL SHOWN FOR REPRESENTATION ONLY

(3) PANELS SHOWN, UNLIMITED NUMBER OF PANELS IS APPLICABLE AS LONG AS INDIVIDUAL PANELS DO NOT EXCEED PANEL SIZE AS SHOWN.

DESIGN PRESSURE RATING  
+40 / -40

## TABLE OF CONTENTS

GENERAL NOTES & ELEVATION.....	1
ANCHOR SCHEDULE & NOTES.....	2
DP CHART & GLAZING DETAILS.....	3
SECTION VIEWS.....	4
EXTRUSIONS & B.O.M.....	5-6
INSTALLATION DETAILS.....	7-8

PROPRIETARY AND CONFIDENTIAL  
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CUSTOM WINDOW SYSTEMS, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF CUSTOM WINDOW SYSTEMS, INC. IS PROHIBITED.

JZ  
11/17/11

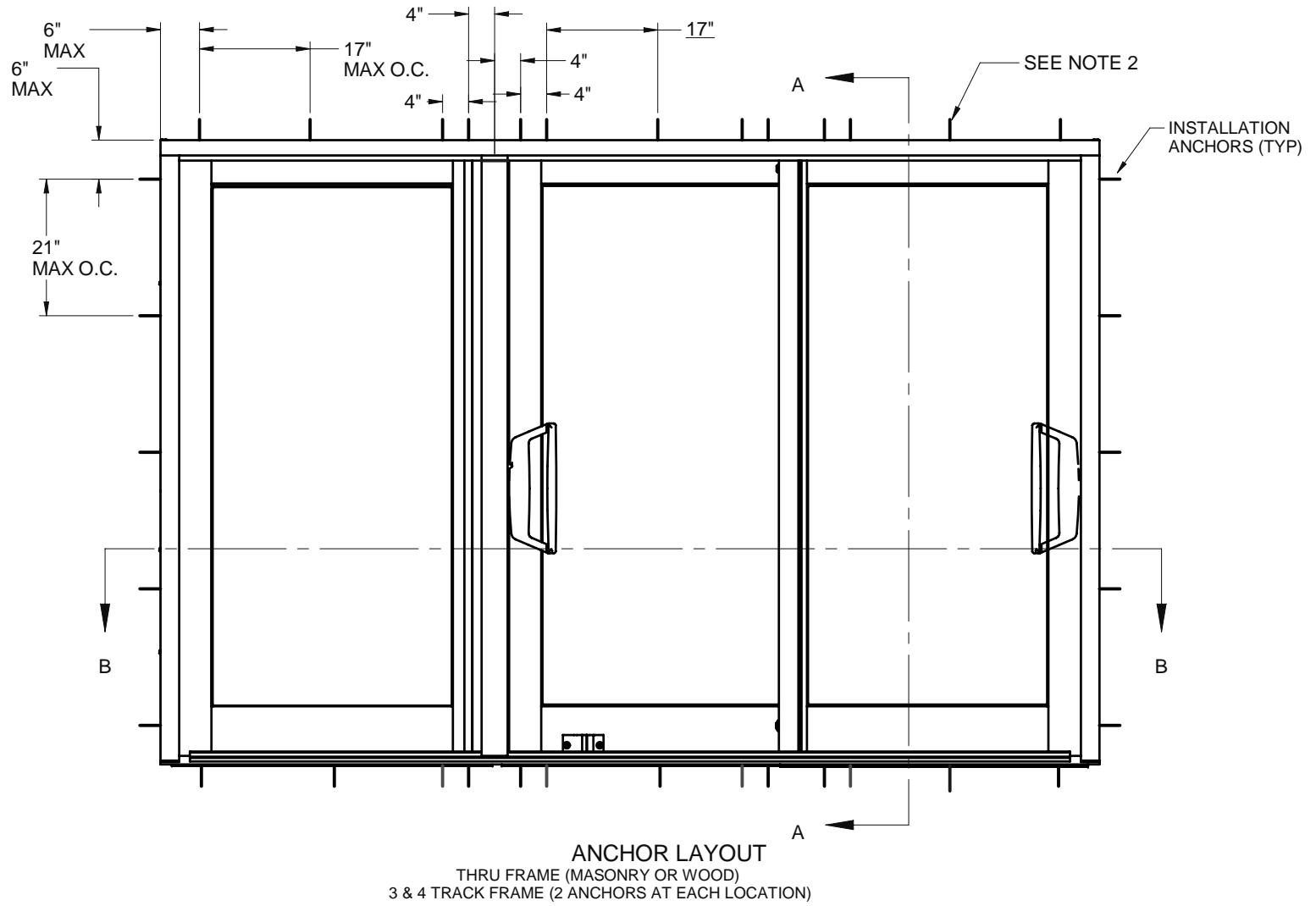
## ALUMINUM NON-IMPACT REQUIREMENT:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE FLORIDA BUILDING CODE, CURRENT EDITION.
2. GLAZING DETAIL: (SEE SHEET 3)
3. EXAMPLE CONFIGURATIONS INCLUDE BUT ARE NOT LIMITED TO: "OX", "XO", "XX", "OXO", "XXX", "OXXO", "XXXX". 3 TRACK, 4 TRACK
4. DESIGN PRESSURES: (SEE TABLES-SHEET 3)  
-NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E-1300.  
-POSITIVE DESIGN LOADS BASED ON TESTED PRESSURE, WATER INFILTRATION TEST PRESSURE AND GLASS TABLES ASTM E-1300.
5. ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. SEE SHEETS 7-8 FOR INSTALLATION DETAIL. WIND LOAD DURATION FACTOR Cd=1.6 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 ARE PROCESSED AND SCREWED TOGETHER. VENTS ARE PROCESSED AND SCREWED TOGETHER.
8. REFERENCE TEST REPORTS: NCTL-210-3523-2
9. SERIES / MODEL DESIGNATION SGD-9200
10. 1X OR 2X WOOD BUCK OR STUD FRAMING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE, BUCK OR FRAMING IS RESPONSIBILITY OF ARCHITECT OR ENGINEER OF RECORD.
11. THE DESIGNATION X AND O STAND FOR THE FOLLOWING: X=OPERABLE SASH, O=FIXED SASH.
12. SECTION CALLOUTS APPLY TO ALL CONFIGURATIONS.

\*ACTIVE PANEL MAX SIZE: 48 7/16 X 95 1/8

\*FIXED PANEL MAX PANEL: 48 3/16 X 95 1/8

B	UPDATED PER 2010 FBC	10/18/11
A	UPDATED PER NEW FBC REQUIREMENTS	06/10/08
LUCAS A. TURNER, FL P.E. 58201		
★ LUCAS ANDREW TURNER ★ LIC # 58201 ★ STATE OF FLORIDA ★ PROFESSIONAL ENGINEER ★		
Custom WINDOWS & DOORS 1900 SW 44TH AVE. OCALA, FLORIDA 34474		
TITLE:	GENERAL NOTES & ELEVATIONS - NON IMPACT	
SERIES:	9200	DRAWN BY: ADE DATE: 10/18/2011
MODEL:	SGD	SCALE: NTS DWG. NO.: CWS-284
REV. LETTER:	B	SHEET: 1 OF 8



NOTES:

1. INSTALL TWO ANCHORS AT EACH INSTALLATION LOCATION IN 3 & 4 TRACK. SILL ANCHOR SPACING SAME AS HEAD.
2. SHIM AS REQ'D 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.
3. LOAD BEARING SHIMS SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER. WOOD SHIMS ARE NOT ALLOWED.
4. 3/16" DIA. ITW TAPCON MASONRY ANCHORS MUST BE OF SUFFICIENT LENGTH TO ACHIEVE A MIN. EMBEDMENT OF 1 1/4" INTO MASONRY THRU FRAME OR THRU 1 BY WOOD BUCK INTO MASONRY. A MINIMUM EDGE DISTANCE OF 1 1/8" SHALL BE ACHIEVED IN EITHER DIRECTION. A MINIMUM CENTER TO CENTER DISTANCE OF 1 3/4" SHALL BE ACHIEVED IN ANY DIRECTION ON THE 3 AND 4 TRACK.
5. #10 WOOD SCREW ANCHORS MUST BE OF SUFFICIENT LENGTH TO ACHIEVE A MIN. EMBEDMENT OF 1 3/8" INTO 2 BY WOOD BUCK. A MINIMUM EDGE DISTANCE OF 7/8" SHALL BE ACHIEVED IN EITHER DIRECTION.
6. ALL FACTORY APPLIED HOLES IN FRAME MEMBERS NOT DESIGNATED FOR CONCRETE SCREW ANCHORS SHOULD BE FILLED WITH #8 SCREWS OF SUFFICIENT LENGTH TO ACHIEVE A MIN. EMBEDMENT OF 5/8" INTO WOOD BUCK.
7. ALL INSTALLATION ANCHORS MUST BE MADE OF A CORROSION RESISTANT MATERIAL OR COATING. DISSIMILAR METALS OR MATERIALS IN CONTACT WITH PRESSURE TREATED WOOD MUST BE PROTECTED TO PREVENT REACTION.
8. 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 STRENGTH SPECIFIED BELOW.
9. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIAL WITH THE FOLLOWING PROPERTIES:
  - A. WOOD - MINIMUM SPECIFIC GRAVITY OF G=0.55 (SOUTHERN PINE OR GREATER)
  - B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3,200 PSI.
  - C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
10. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS FOLLOWING THE CURRENT VERSION OF THE REFERENCE DOCUMENTS:
 

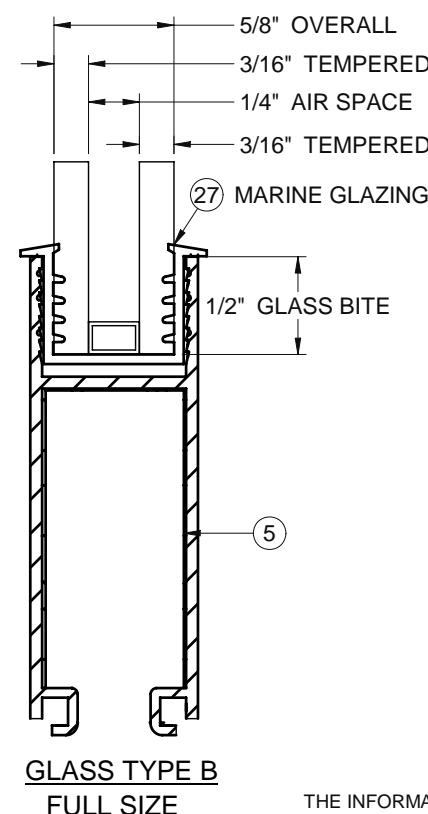
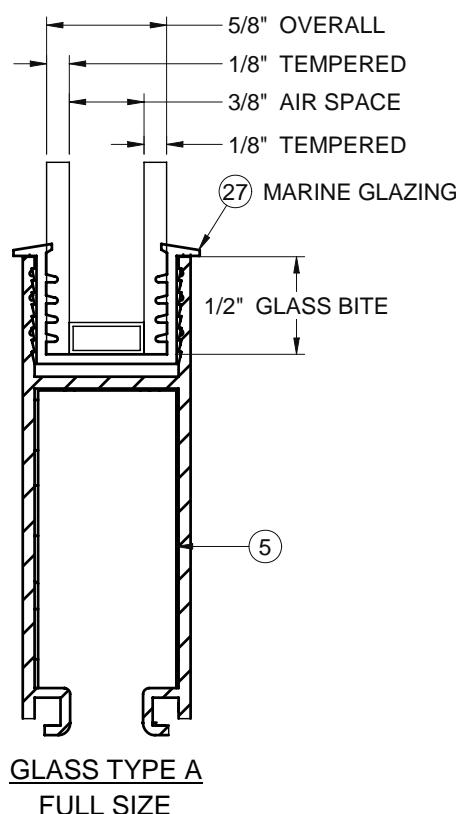
FMA/AAMA 100(FIN WINDOWS), FMA/AAMA 200(FLANGE WINDOWS),  
FMA/WDMA 250(BOX WINDOWS), FMA/AAMA/WDMA 300(EXTERIOR DOORS).

PROPRIETARY AND CONFIDENTIAL  
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CUSTOM WINDOW SYSTEMS, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF CUSTOM WINDOW SYSTEMS, INC. IS PROHIBITED.

11/17/11

B		UPDATED PER 2010 FBC	10/18/11
A		UPDATED PER NEW FBC REQUIREMENTS	06/10/08
LUCAS A. TURNER, FL P.E. 58201	Custom	WINDOWS & DOORS	1900 SW 44TH AVE. OCALA, FLORIDA 34474
STATE OF FLORIDA PROFESSIONAL ENGINEER		TITLE:	ANCHOR SCHEDULE & NOTES - NON IMPACT
SERIES: 9200 DRAWN BY: ADE DATE: 10/18/2011			
MODEL: SGD	SCALE: NTS	DWG. NO.: CWS-284	REV. LETTER: B
SHEET: 2 OF 8			

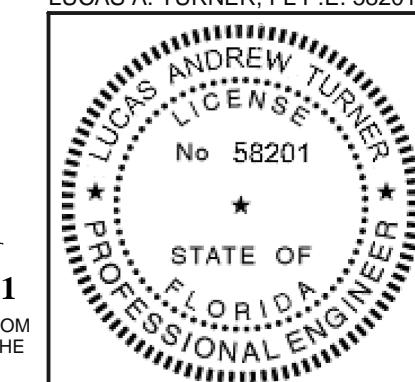
PANEL WIDTH (IN)	CONFIG	GLASS TYPE	PANEL HEIGHT (IN)			
			79 1/8	84 1/8	90 1/8	95 1/8
30 7/16	OX, XO, XX	A,B	+50 / -60	+50 / -60	+50 / -60	+50 / -56.8
36 7/16	OX, XO, XX	A,B	+50 / -60	+50 / -57.4	+50 / -52.6	+49.2 / -49.2
42 7/16	OX, XO, XX	A,B	+50 / -52.2	+50 / -51.5	+47 / -47	+43.9 / -43.9
48 7/16	OX, XO, XX	A,B	+40 / -40	+40 / -40	+40 / -40	+40 / -40
30 7/16	OXO , XXX	A,B	+50 / -60	+50 / -60	+50 / -60	+50 / -56.8
36 7/16	OXO , XXX	A,B	+50 / -60	+50 / -57.4	+50 / -52.6	+49.2 / -49.2
42 7/16	OXO , XXX	A,B	+50 / -52.2	+50 / -51.5	+47 / -47	+43.9 / -43.9
48 7/16	OXO , XXX	A,B	+40 / -40	+40 / -40	+40 / -40	+40 / -40
30 7/16	OXOX,XXXX	A,B	+50 / -60	+50 / -60	+50 / -60	+50 / -56.8
36 7/16	OXOX,XXXX	A,B	+50 / -60	+50 / -57.4	+50 / -52.6	+49.2 / -49.2
42 7/16	OXOX,XXXX	A,B	+50 / -52.2	+50 / -51.5	+47 / -47	+43.9 / -43.9
48 7/16	OXOX,XXXX	A,B	+40 / -40	+40 / -40	+40 / -40	+40 / -40
30 7/16	XXXXXX,OXXXXXO	A,B	+50 / -60	+50 / -60	+50 / -60	+50 / -56.8
36 7/16	XXXXXX,OXXXXXO	A,B	+50 / -60	+50 / -57.4	+50 / -52.6	+49.2 / -49.2
42 7/16	XXXXXX,OXXXXXO	A,B	+50 / -52.2	+50 / -51.5	+47 / -47	+43.9 / -43.9
48 7/16	XXXXXX,OXXXXXO	A,B	+40 / -40	+40 / -40	+40 / -40	+40 / -40
30 7/16	XXXXXXXX,OXXXXXXO	A,B	+50 / -60	+50 / -60	+50 / -60	+50 / -56.8
36 7/16	XXXXXXXX,OXXXXXXO	A,B	+50 / -60	+50 / -57.4	+50 / -52.6	+49.2 / -49.2
42 7/16	XXXXXXXX,OXXXXXXO	A,B	+50 / -52.2	+50 / -51.5	+47 / -47	+43.9 / -43.9
48 7/16	XXXXXXXX,OXXXXXXO	A,B	+40 / -40	+40 / -40	+40 / -40	+40 / -40



PROPRIETARY AND CONFIDENTIAL  
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CUSTOM  
WINDOW SYSTEMS, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE  
WRITTEN PERMISSION OF CUSTOM WINDOW SYSTEMS, INC. IS PROHIBITED.

11/17/11

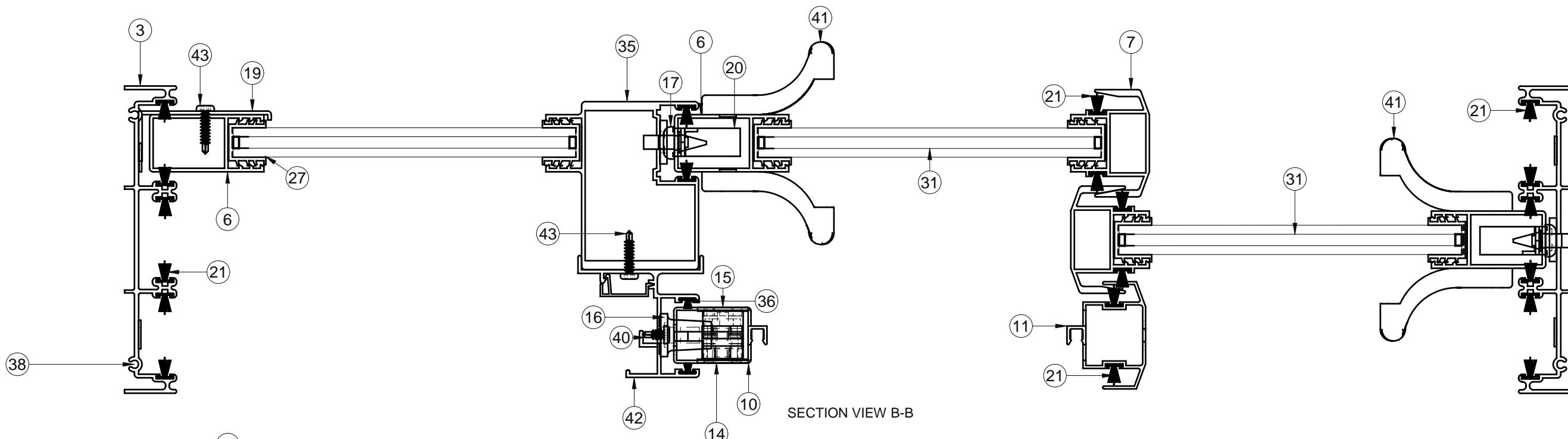
LUCAS A. TURNER, FL P.E. 58201



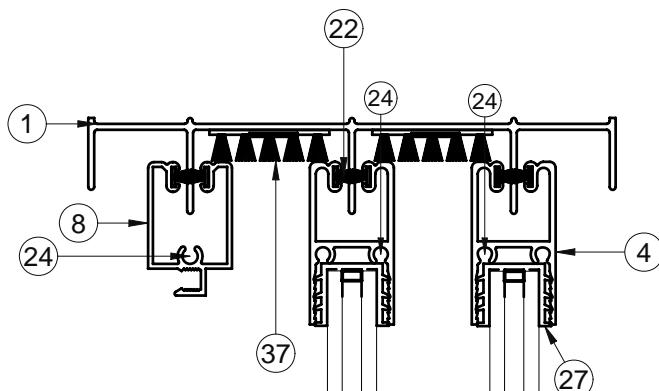
NOTE:

1. IF SIZE INTENDED IS NOT SHOWN, USE NEXT LARGER SIZE.
2. THE INTERIOR SILL (1016 OR 1103) NOT TESTED FOR WATER INFILTRATION RESISTANCE.
3. THE USE OF INTERIOR SILL IS QUALIFIED UNDER SECTION 1714.5.2.1 EXCEPTIONS FOR OVERHANGS.

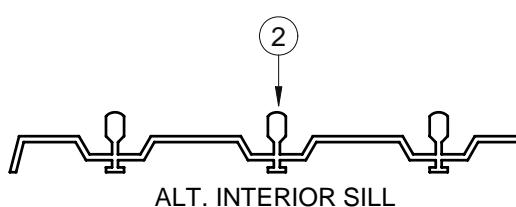
B	UPDATED PER 2010 FBC	10/18/11
A	UPDATED PER NEW FBC REQUIREMENTS	06/10/08
 <b>Custom</b> WINDOWS & DOORS 1900 SW 44TH AVE. OCALA, FLORIDA 34474		
TITLE: DP CHART & GLAZING DETAIL - NON IMPACT		
SERIES: 9200	DRAWN BY: ADE	DATE: 10/18/2011
MODEL: SGD	SCALE: 1:1	DWG. NO.: CWS-284
REV. LETTER: B		SHEET: 3 OF 8



SECTION VIEW B-B

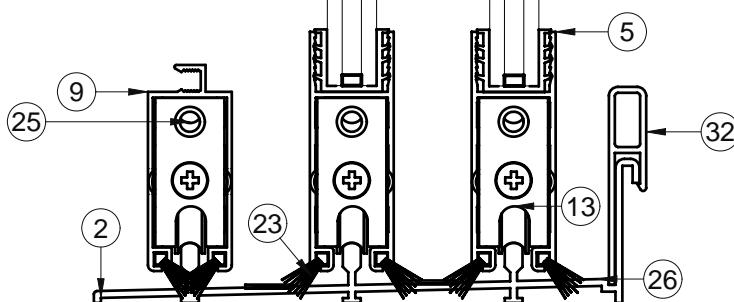


SECTION VIEW A-A



ALT. INTERIOR SILL

1. THE INTERIOR SILL (1016 OR 1103) NOT TESTED FOR WATER INFILTRATION RESISTANCE.
2. THE USE OF INTERIOR SILL IS QUALIFIED UNDER SECTION 1714.5.2.1 EXCEPTIONS FOR OVERHANGS.



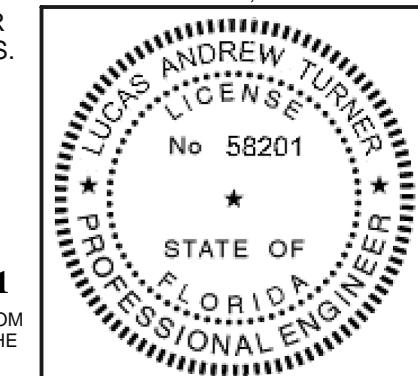
PROPRIETARY AND CONFIDENTIAL

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CUSTOM WINDOW SYSTEMS, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF CUSTOM WINDOW SYSTEMS, INC. IS PROHIBITED.

11/17/11

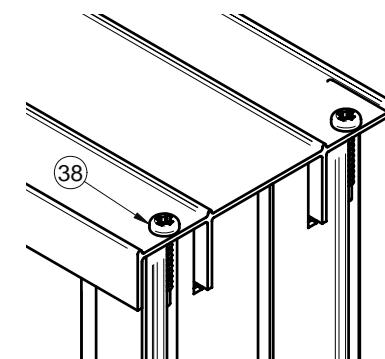
NOTE: ITEMS 19,28-30,33,34,36,38-39 ARE USED BUT NOT SHOWN FOR CLARITY.

LUCAS A. TURNER, FL P.E. 58201

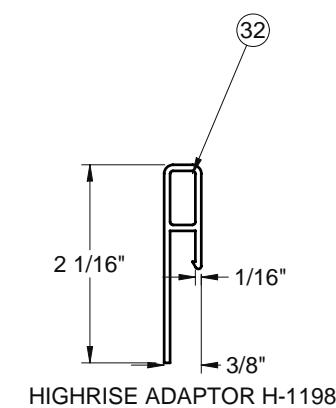
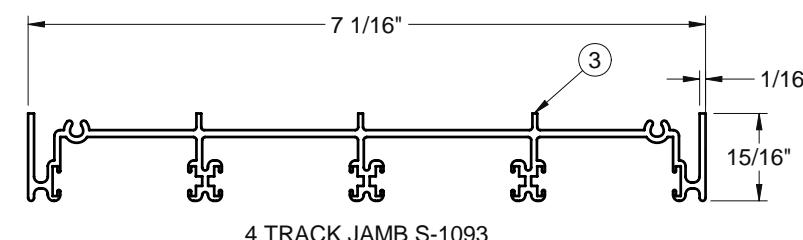
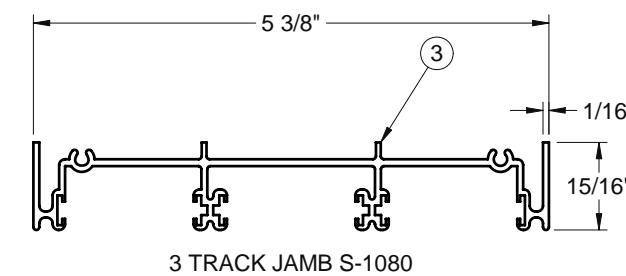
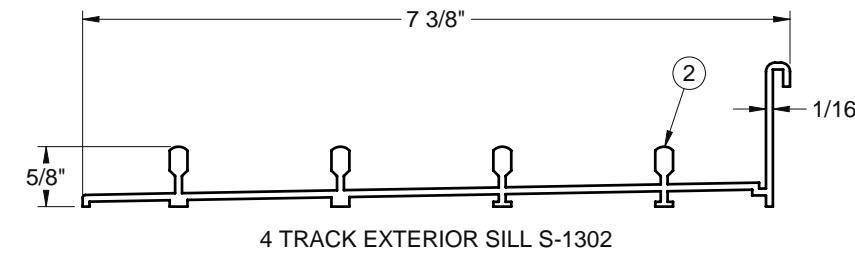
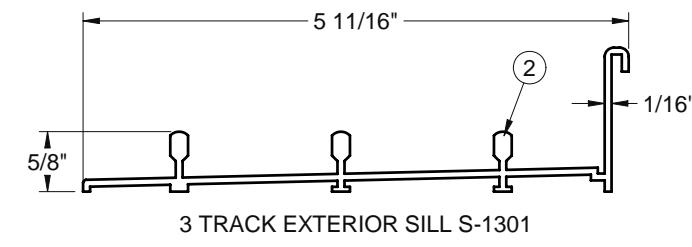
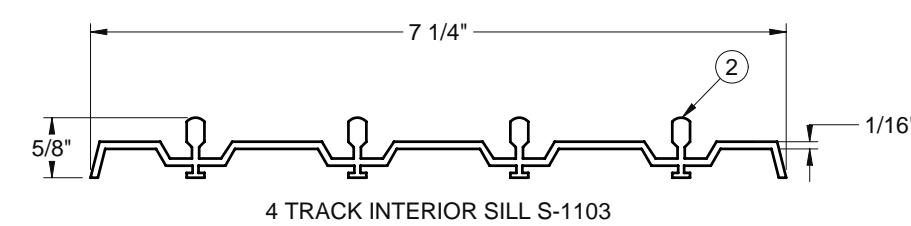
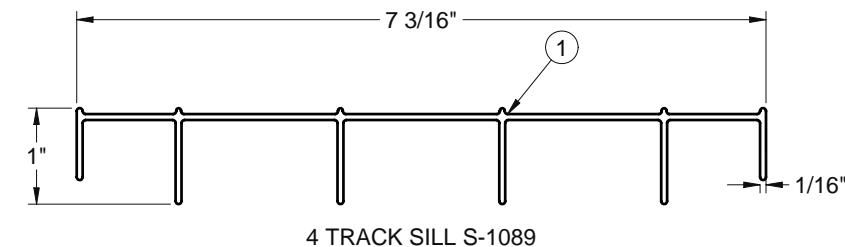
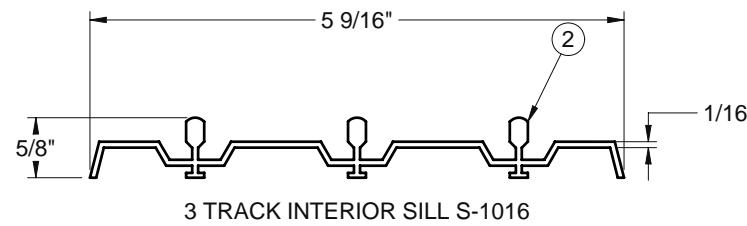
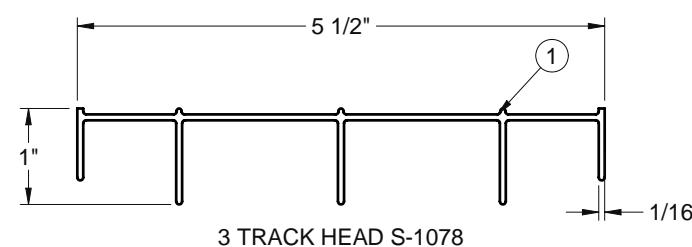


B	UPDATED PER 2010 FBC	10/18/11
A	UPDATED PER NEW FBC REQUIREMENTS	06/10/08
<i>Custom</i> WINDOWS & DOORS 1900 SW 44TH AVE. OCALA, FLORIDA 34474		
TITLE:	SECTION VIEWS - NON IMPACT	
SERIES:	9200	DRAWN BY: ADE
MODEL:	SGD	SCALE: NTS
REV. LETTER:	B	DATE: 10/18/2011
DWG. NO.:	CWS-284	SHEET: 4 OF 8

### OUTERFRAME CONSTRUCTION



(2) SCREWS REQUIRED FOR FRAME ASSEMBLY (ALL TRACKS)

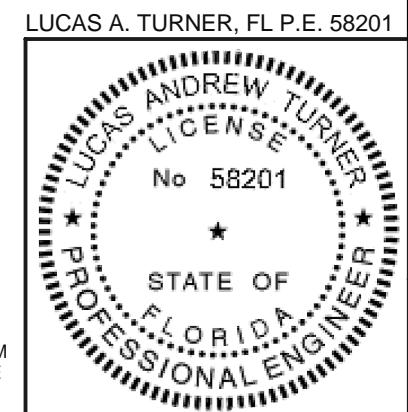


NOTE: ALL ALUMINUM EXTRUSIONS ARE 6063-T6

PROPRIETARY AND CONFIDENTIAL

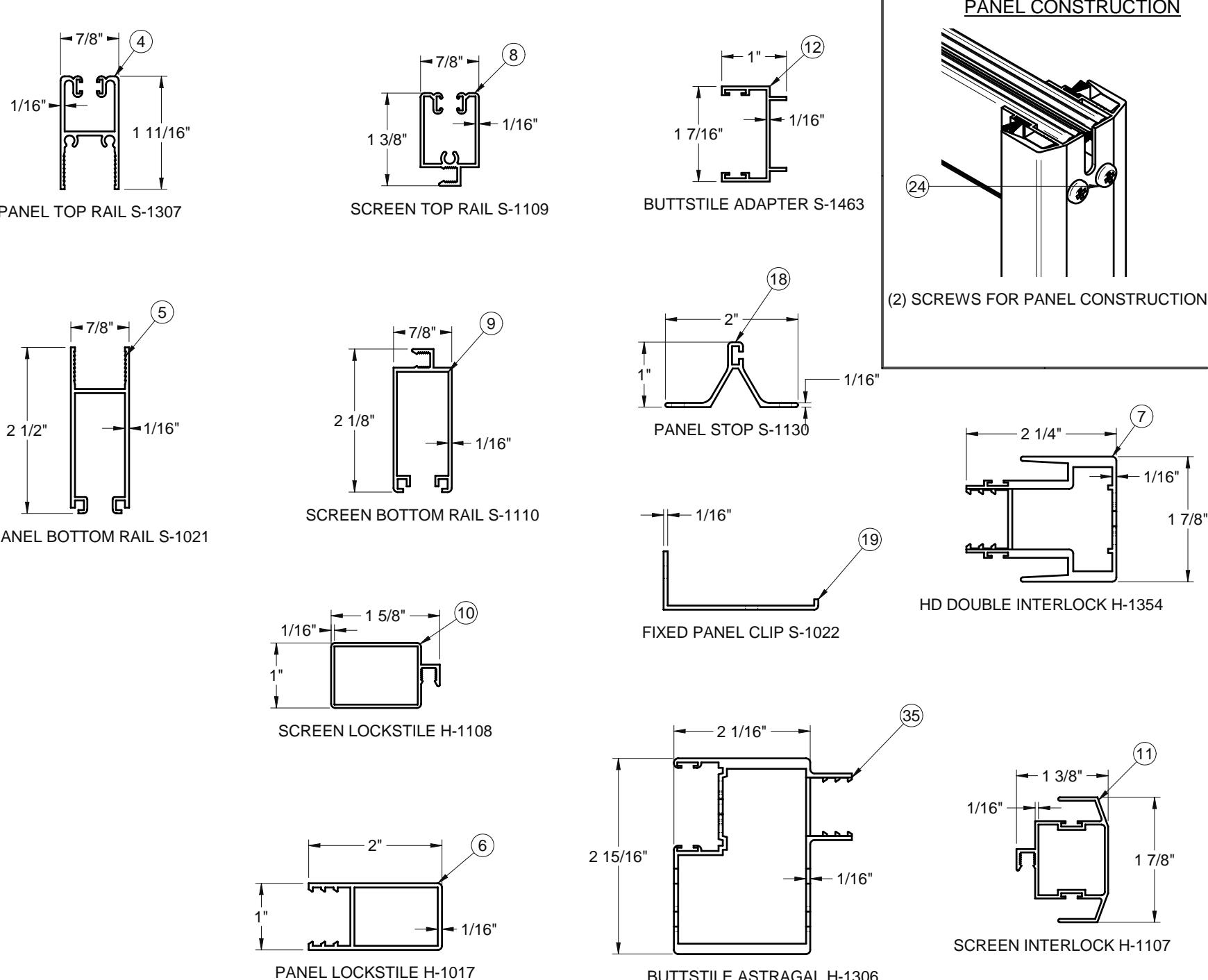
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CUSTOM  
WINDOW SYSTEMS, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE  
WRITTEN PERMISSION OF CUSTOM WINDOW SYSTEMS, INC. IS PROHIBITED.

11/17/11



B	UPDATED PER 2010 FBC	10/18/11
A	UPDATED PER NEW FBC REQUIREMENTS	06/10/08
<b>Custom</b> WINDOWS & DOORS 1900 SW 44TH AVE. OCALA, FLORIDA 34474		
TITLE:	EXTRUSIONS - OUTER FRAME	
SERIES:	9200	DRAWN BY: ADE DATE: 10/18/2011
MODEL:	SGD	SCALE: 1:2 DWG. NO.: CWS-284
REV. LETTER:	B	SHEET: 5 OF 8

Item #	Die #	Description	Vendor	Material
1	S-1078	Head, 3 Trk., SGD	Keymark	Alum
1	S-1089	Head, 4 Trk., SGD	Keymark	Alum
2	S-1301	Sill, Ext., 3 Trk., SGD	Keymark	Alum
2	S-1302	Sill, Ext., 4 Trk., SGD	Keymark	Alum
2	S-1016	Sill, Int., 3 Trk., SGD	Keymark	Alum
2	S-1103	Sill, Int., 4 Trk., SGD	Keymark	Alum
3	S-1080	Jamb, 3 Trk., SGD	Keymark	Alum
3	S-1093	Jamb, 4 Trk., SGD	Keymark	Alum
4	S-1307	Top Rail, Pnl.,	Keymark	Alum
5	S-1021	Bot. Rail, Pnl.,	Keymark	Alum
6	H-1017	LockStile, Pnl.,	Keymark	Alum
7	H-1354	Intlk., Double, HD	Keymark	Alum
8	S-1109	Top Rail, Scrn	Keymark	Alum
9	S-1110	Bot. Rail, Scrn	Keymark	Alum
10	H-1108	LockStile, Scrn	Keymark	Alum
11	H-1107	Intlk., Scrn	Keymark	Alum
12	S-1463	Buttstile, Adaptor	Keymark	Alum
13	P-3220	Roller, Single, SGD, Steel	Sullivan	Steel
14	P-3231W	Pull, Ext., SGD, White	Lawrence	Plastic
15	P-3230W	Pull, Int., SGD, White	Lawrence	Plastic
16	P-3235	Keeper Kit, Std. Pulls, SGD	Sullivan	Zinc
17	P-3609	Bumper, Rubber	Team Plastics	Rubber
18	S-1130	Panel Stop	Keymark	Alum
19	S-1022	Fixed Panel Clip	Keymark	Alum
20	P-3232	SGD, Mortise Lock	Sash Controls	Steel
21	P-3308	Wstp., 0.310 x .270 back FinSeal, Black, SoftTouch	Ultrafab	
22	P-3309	Wstp., 0.210 x .187 back FinSeal, Black, SoftTouch	Ultrafab	
23	P-3307	Wstp., 0.750 x .115 back Diamond, Black, Skirting	Ultrafab	
24	P-3514	#8 x 1.000 Ph PH Type A SMS, Zinc	Fastenal	Steel
25	P-3504R	1/4 - 20 x 0.500 Ph Tr. Hd. MS, Zinc	Fastenal	Steel
26	P-3246	Gasket, Sill at Jb., SGD	HOP	
27	P-3206	Glaz. Chnl., Insulated, Black	Team Plastics	Rubber
28	P-3648	SGD-9000 Gold Cert. Label		
29	P-3881	Temporary Lbl. (NFRC/DP)		
30	P-3613	CWS Lbl. (logo)		
31		Glass, Insulated		
32	S-1198	Highrise, Adaptor	Keymark	Alum
33		Screen, Spline	Team Plastics	Rubber
34		Screen, Cloth		
35	H-1306	Astragal, Pnl	Keymark	Alum
36	P-3497	Wstp., 0.150 x .187 back FinSeal, Black, SoftTouch	Ultrafab	
37	P-3311	WSTP., 1 1/2" X 3" X .5" high Dust plug	Ultrafab	
38	P-4144	#8 x 1 w/ 1/4" lead Pan Head	Fastenal	Steel
39	P-3091	Hole Cover, Outerframe	M&M	
40	P-3559	#8 x 3/8 Pan Tek	Fastenal	Steel
41	P-3695	Handle Kit		
42	S-1512	Screen Astragal	Keymark	Alum
43	P-3539	#8 x 3/4 Pan Tek	Fastenal	Steel

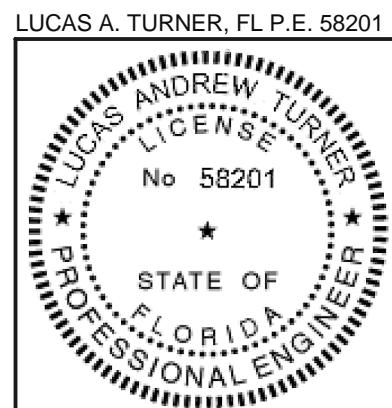


PROPRIETARY AND CONFIDENTIAL

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CUSTOM  
WINDOW SYSTEMS, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE  
WRITTEN PERMISSION OF CUSTOM WINDOW SYSTEMS, INC. IS PROHIBITED.

NOTE: ALL ALUMINUM EXTRUSIONS ARE 6063-T6

11/17/11



B	UPDATED PER 2010 FBC	10/18/11
A	UPDATED PER NEW FBC REQUIREMENTS	06/10/08
<b>Custom</b> WINDOWS & DOORS 1900 SW 44TH AVE. OCALA, FLORIDA 34474		
TITLE: B.O.M. & EXTRUSIONS - PANEL		
SERIES: 9200	DRAWN BY: ADE	DATE: 10/18/2011
MODEL: SGD	SCALE: 1:2	DWG. NO.: CWS-284
REV. LETTER: B	SHEET: 6 OF 8	

