

7OR IMPACT GLASS ANCHOR TABLE

CONFIG.	FRAME WIDTH	FRAME HEIGHT	NUMBER OF ANCHORS			DESIGN PRESSURE NEG.	DESIGN PRESSURE POS.
			ACROSS HEAD & SILL	ACROSS JAMB	ACROSS HOOK STRIP		
XX	6'	80.00	12	14	11	-70.00	+70.00
	6'	96.00	12	16	13	-70.00	+70.00
XX	8'	80.00	14	14	11	-70.00	+70.00
	8'	96.00	14	16	13	-70.00	+70.00
XXX	9'	80.00	16	14	11	-70.00	+70.00
	9'	96.00	16	16	13	-70.00	+70.00
XXX	12'	80.00	22	14	11	-70.00	+70.00
	12'	96.00	22	16	13	-70.00	+70.00
XXXX	12'	80.00	22	14	11	-70.00	+70.00
	12'	96.00	22	16	13	-70.00	+70.00
XXXX	16'	80.00	28	14	11	-70.00	+70.00
	16'	96.00	28	16	13	-70.00	+70.00

APPLICATION	ANCHOR	MINIMUM EMBEDMENT	MINIMUM EDGE DISTANCE	MIN. SPACE ANCHOR PAIRS	MAX. SHIM SPACE
CONCRETE	1/4" CONC.	1-1/4"	2"	2-1/2"	1/4"
METAL	#12 SMS	THRU METAL 1/16" MIN.	2"	2-1/2"	1/4"
WOOD BUCK	#12 WOOD	1-1/2"	2"	2-1/2"	1/4"

NOTES:

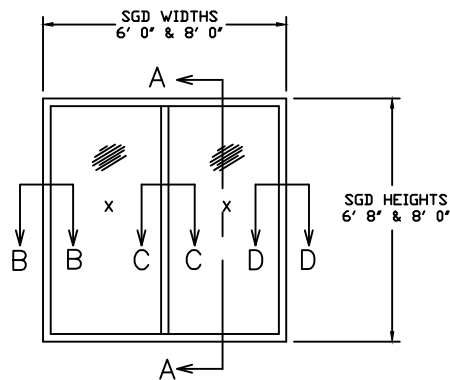
- (1) THIS PRODUCT IS DESIGNED TO COMPLY WITH THE FLORIDA BUILDING CODE 8TH EDITION (2023) INCLUDING HVHZ.
- (2) SHIM AS REQ'D AT EACH SET OF INSTALLATION ANCHORS USING LOAD BEARING SHIMS. MAX. ALLOWABLE SHIM STACK TO BE 1/4". USE SHIMS WHERE SPACE GREATER THAN 1/16" IS PRESENT.
- (3) DOOR MATERIAL : 6063-T5 ALUMINUM.
- (4) 1/4" DIA. CONCRETE SREW ANCHORS MUST BE OF SUFFICIENT LENGTH TO ACHIEVE A MIN. EMBEDMENT OF 1 1/4" INTO CONCRETE OR MASONRY FOR 1 X WOOD BUCK OR A MIN. EMBEDMENT OF 1 1/4" INTO SOLID WOOD FOR 2 X BUCK OR WOOD FRAMED OPENINGS (GREATER THAN 1 3/8" THICK).
- (5) MAX. ALLOWABLE SPACING OF 1/4" DIA. CONCRETE SCREWS, WITHIN 6" FROM EACH CORNER, 13-13/16" ACROSS HEAD & SILL, 10-15/16" ALONG JAMBS AND 7-3/4" ON HOOK STRIP.
- (6) ALL FACTORY APPLIED HOLES IN FRAME MEMBERS NOT DESIGNATED FOR CONCRETE SCREW ANCHORS SHOULD BE FILLED WITH #12 SCREWS OF SUFFICIENT LENGTH TO ACHIEVE A MIN. EMBEDMENT OF 1-1/2" INTO WOOD BUCK.
- (7) USE LATEX CAULK OR EQUIVALENT FOR PERIMETER SEAL AROUND EXTERIOR OF DOOR.
- (8) WHEN INSTALLING INTO STEEL OR ALUMINUM, #12 SMS MUST HAVE SUFFICIENT LENGTH SO THAT THERE IS FULL THREAD ENGAGEMENT THROUGH THE METAL.
- (9) IF EXACT DOOR SIZE IS NOT LISTED IN ANCHOR CHART, USE THE NEXT SIZE LARGER DOOR FOR ANCHOR QUANTY.
- (10) FOR POCKET DOOR SIZES, USE CLOSEST BY-PASS DOOR SIZE TO SIZE OF FINISHED OPENING.
- (11) GLASS COMPLIES WITH ASTM E-1300-04 GLASS CHART REQUIREMENTS. SEE SHEET 7 FOR GLAZING DETAIL
- (12) JAMB / SILL CORNERS AND ALL ANCHORS TO BE SEALED WITH SMALL JOINT SEAM SEALANT.
- (13) ALL INSTALLATION ANCHORS MUST BE MADE OF A CORROSION RESISTANT MATERIAL OR COATING.
- (14) NOT ALL CONFIGURATIONS LISTED ON ANCHOR CHART ARE SHOWN ON THIS DRAWING. HOWEVER, INSTALLATION SECTION A-A & B-B APPLY TO ALL CONFIGURATIONS.

NOTES ON ANCHOR CALCULATIONS:

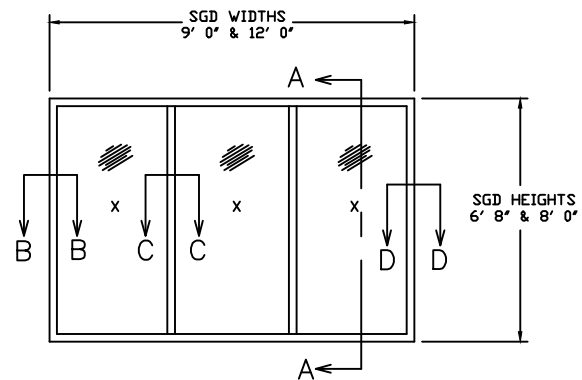
- (1) CALCULATIONS DERIVED FROM TESTED UNIT, TEST REPORTS NCTL-210-3220-1D, NCTL-210-3112-1 & NCTL-210-3112-1A; NAMI NI005980A
- (2) IMPACT GLASS TESTED UNIT WAS "XXXX", 192" x 96", USING 9/16" (14mm) GLASS CONSISTING OF TWO 1/4" (35mm) EXTERIOR LAYERS OF HEAT STRENGTHENED GLASS A .090 (2.286mm) SOLUTIA PVB INTERLAYER.
- (3) THE QUANTITY OF ANCHORS ARE FOR EACH SIDE, NOT TOTAL QUANTITY.
- (4) MAX. SPACING AT HEAD OR SILL CORNER IS 6". SPACING IS WITH ANCHORS IN PAIRS
- (5) MAX. SPACING AT JAMB CORNER IS 4-1/4". SPACING IS WITH ANCHORS IN PAIRS
- (6) MAX. SPACING ACROSS HEAD OR SILL IS 13-13/16". SPACING IS WITH ANCHORS IN PAIRS
- (7) MAX. SPACING ACROSS JAMBS IS 10-15/16". SPACING IS WITH ANCHORS IN PAIRS
- (8) MAX. SPACING ACROSS HOOK STRIP IS 7-3/4".

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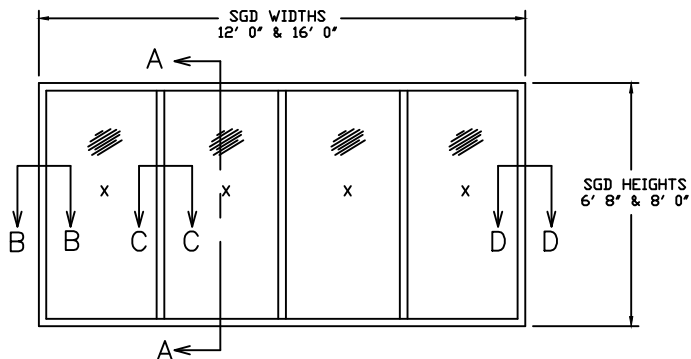
J	F.B.C. 8TH ED.	10/24/23	TITLE: 7OR IMPACT GLASS SLIDING DOORS ALUMINUM BY-PASS/CENTER MEET/ POCKET ANCHOR TABLE AND NOTES		
I	F.B.C. 7TH ED.	12/4/20			
H	F.B.C. 6TH ED.	11/10/16	ENGINEER: MARK A. SMITH DRAWN BY: MAS DATE: 3/25/11		
G	F.B.C. 5TH ED.	6/29/16			
F	ADDED ANCHOR TABLE	7/2/15	DISCIPLINE: CIVIL	SCALE: N.T.S.	DWG. NO. WCI-SGD014
E	CURRENT FBC	3/10/15	FL. REG. NO.: 55511	REV. LETTER: J	SHEET 1
C	2010 FBC	5/17/12			



2 PANEL SLIDING GLASS DOOR
XX CONFIGURATION



3 PANEL SLIDING GLASS DOOR
XXX CONFIGURATION



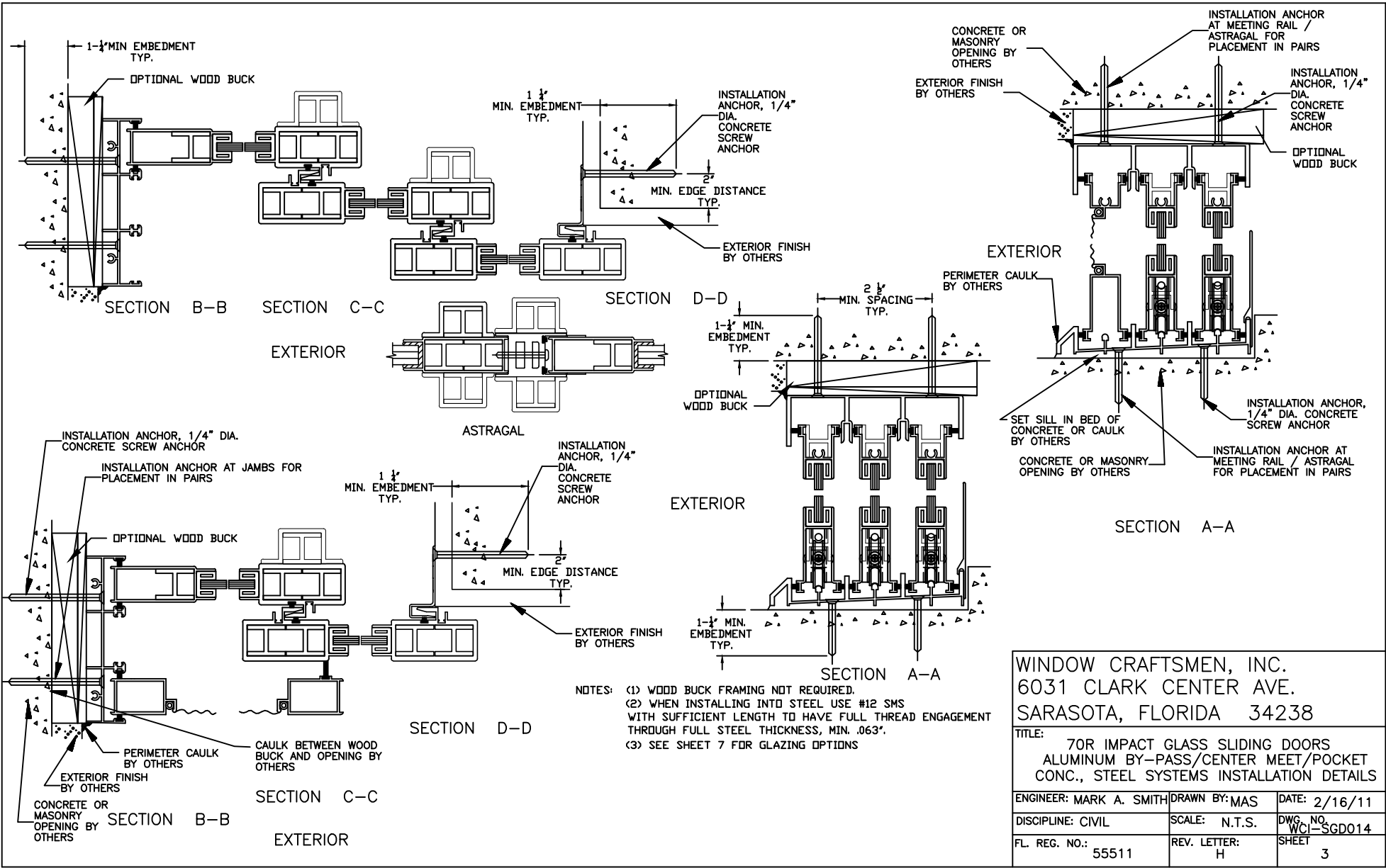
4 PANEL SLIDING GLASS DOOR
XXXX CONFIGURATION

FOR INSTALLATION DETAILS AND
SECTIONS A-A, B-B, C-C AND D-D SEE SHEETS 3, 4, AND 5

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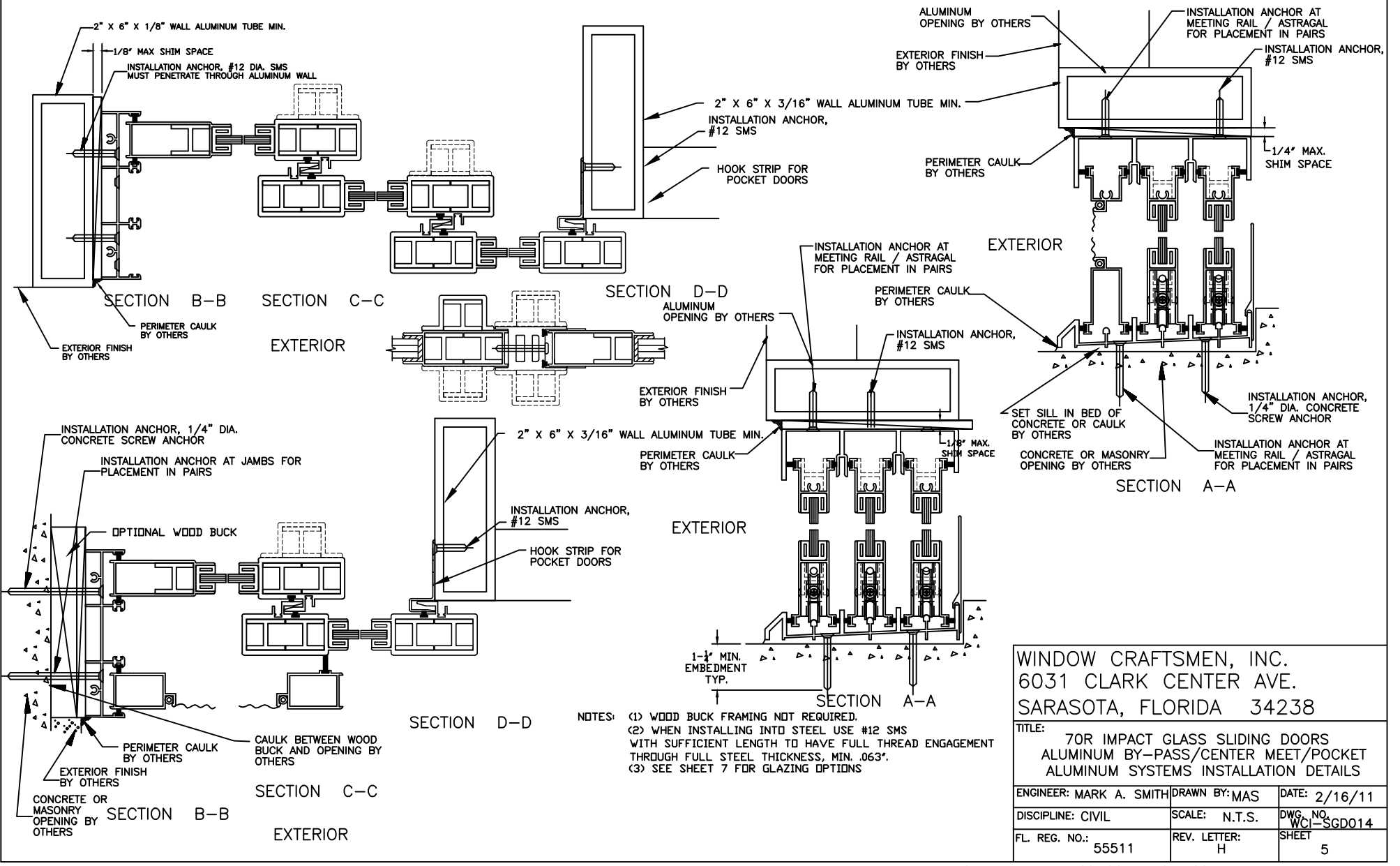
TITLE:
70R IMPACT GLASS SLIDING DOORS
ALUMINUM BY-PASS/CENTER MEET/POCKET
2, 3 & 4 PANEL ELEVATIONS

ENGINEER: MARK A. SMITH	DRAWN BY: MAS	DATE: 2/17/11
DISCIPLINE: CIVIL	SCALE: N.T.S.	DWG. NO. WCI-SGD014
FL. REG. NO.: 55511	REV. LETTER: D	SHEET 2



NOTES: (1) WOOD BUCK FRAMING NOT REQUIRED.
 (2) WHEN INSTALLING INTO STEEL USE #12 SMS WITH SUFFICIENT LENGTH TO HAVE FULL THREAD ENGAGEMENT THROUGH FULL STEEL THICKNESS, MIN. .063\"/>

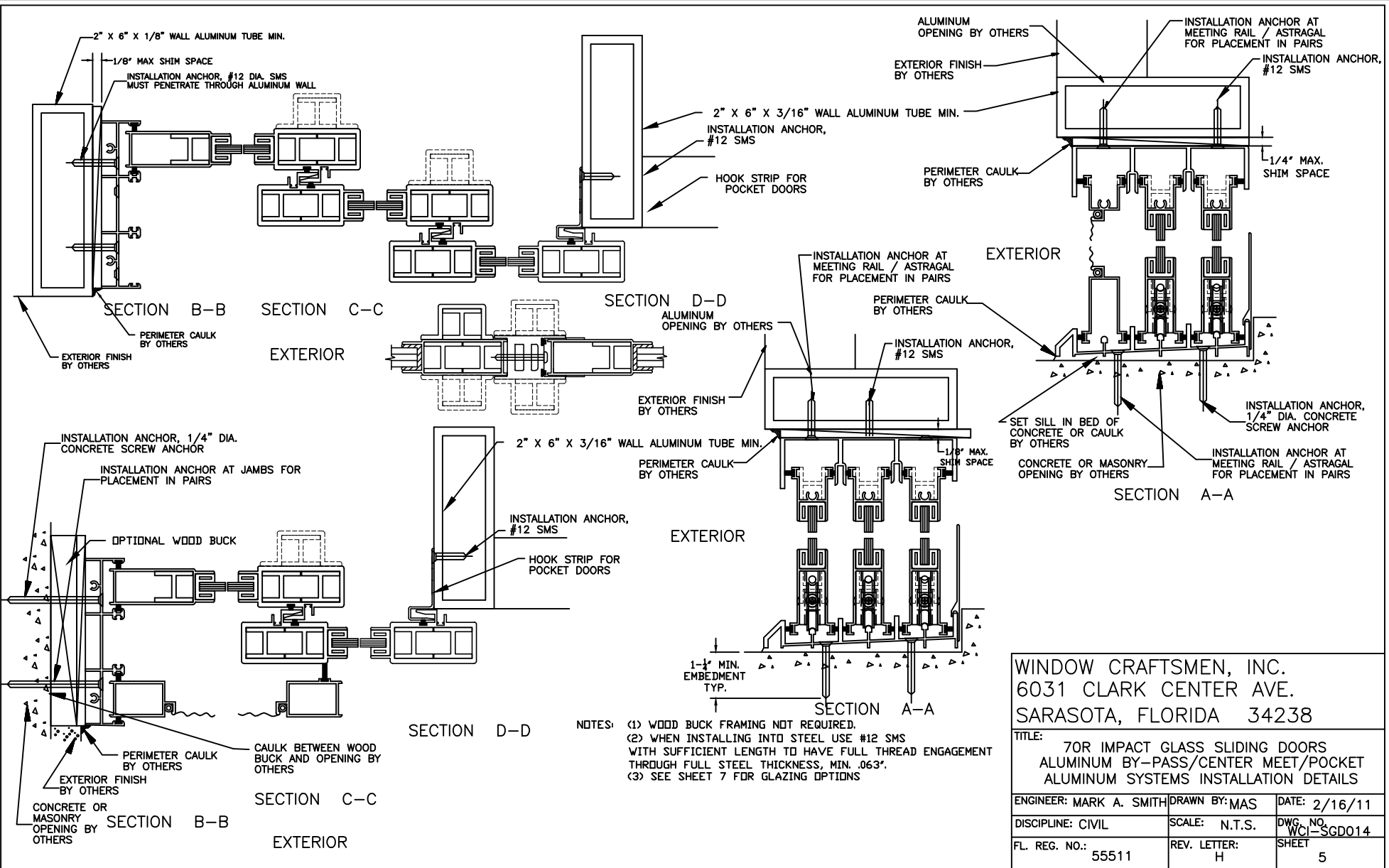
WINDOW CRAFTSMEN, INC. 6031 CLARK CENTER AVE. SARASOTA, FLORIDA 34238		
TITLE: 70R IMPACT GLASS SLIDING DOORS ALUMINUM BY-PASS/CENTER MEET/POCKET CONC., STEEL SYSTEMS INSTALLATION DETAILS		
ENGINEER: MARK A. SMITH	DRAWN BY: MAS	DATE: 2/16/11
DISCIPLINE: CIVIL	SCALE: N.T.S.	DWG. NO. WCI-SGD014
FL. REG. NO.: 55511	REV. LETTER: H	SHEET 3



WINDOW CRAFTSMEN, INC.
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SARASOTA, FLORIDA 34238

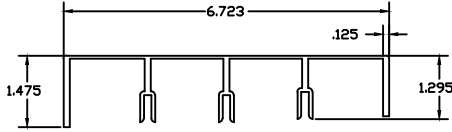
TITLE: 70R IMPACT GLASS SLIDING DOORS
ALUMINUM BY-PASS/CENTER MEET/POCKET
ALUMINUM SYSTEMS INSTALLATION DETAILS

ENGINEER: MARK A. SMITH	DRAWN BY: MAS	DATE: 2/16/11
DISCIPLINE: CIVIL	SCALE: N.T.S.	DWG. NO. WCI-SGD014
FL. REG. NO.: 55511	REV. LETTER: H	SHEET 5

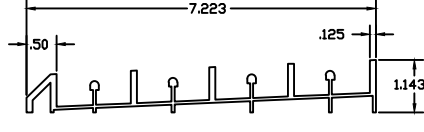


WINDOW CRAFTSMEN, INC. 6031 CLARK CENTER AVE. SARASOTA, FLORIDA 34238		
TITLE: 70R IMPACT GLASS SLIDING DOORS ALUMINUM BY-PASS/CENTER MEET/POCKET ALUMINUM SYSTEMS INSTALLATION DETAILS		
ENGINEER: MARK A. SMITH	DRAWN BY: MAS	DATE: 2/16/11
DISCIPLINE: CIVIL	SCALE: N.T.S.	DWG. NO. WCI-SGD014
FL. REG. NO.: 55511	REV. LETTER: H	SHEET 5

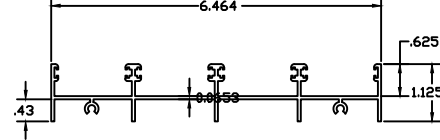
① FOUR TRACK HEAD
WALL THICKNESS 0.062 TYP.



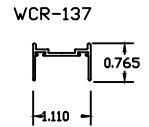
② FOUR TRACK SILL
WALL THICKNESS 0.078 TYP.



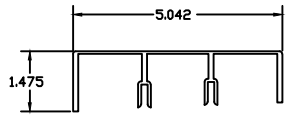
③ FOUR TRACK JAMB
WALL THICKNESS 0.065 TYP.



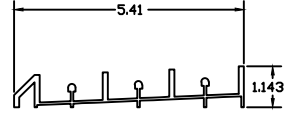
③⑨ ASTRAGAL SCREEN
WALL THICKNESS 0.060 TYP.



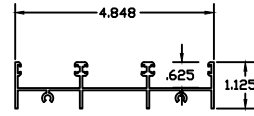
④ THREE TRACK HEAD
WALL THICKNESS 0.106



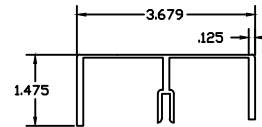
⑤ THREE TRACK SILL
WALL THICKNESS 0.106 TYP.



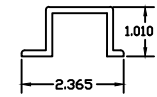
⑥ THREE TRACK JAMB
WALL THICKNESS 0.053 TYP.



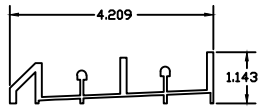
⑦ TWO TRACK HEAD
WALL THICKNESS 0.132 TYP.



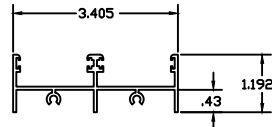
②⑨ INTERLOCK ADAPTER H BAR
WALL THICKNESS 0.125 TYP.



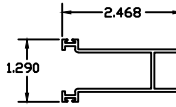
⑧ TWO TRACK SILL
WALL THICKNESS 0.132 TYP.



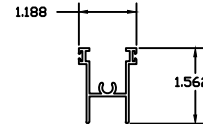
⑨ TWO TRACK JAMB
WALL THICKNESS 0.066 TYP.



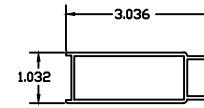
⑩ BOTTOM RAIL
WALL THICKNESS 0.062 TYP.



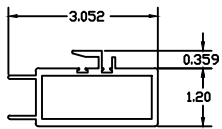
⑪ TOP RAIL
WALL THICKNESS 0.062 TYP.



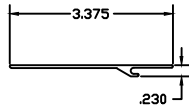
⑫ LOCK STILE
WALL THICKNESS 0.074 TYP.



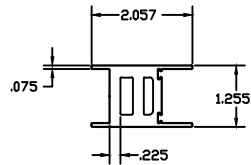
⑬ SINGLE INTERLOCK STILE
WALL THICKNESS 0.127 TYP.



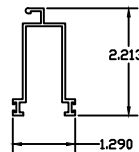
⑭ SILL ADAPTER
WALL THICKNESS 0.059 TYP.



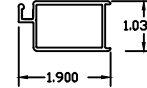
⑮ ASTRAGAL
WALL THICKNESS 0.075 TYP.



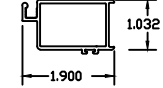
⑯ BOTTOM RAIL/SCREEN
WALL THICKNESS 0.062 TYP.



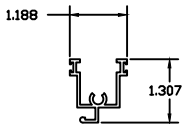
⑰ LOCK STYLE SCREEN
WALL THICKNESS 0.062 TYP.



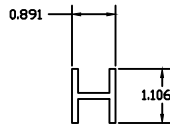
⑱ VINYL STYLE SCREEN
WALL THICKNESS 0.062 TYP.



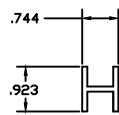
⑰ TOP RAIL/SCREEN
WALL THICKNESS 0.062 TYP.



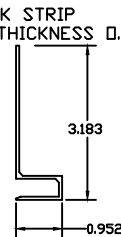
⑳ H- BAR SUPPORT
WALL THICKNESS 0.127 TYP.



㉑ H- BAR SUPPORT
WALL THICKNESS 0.126 TYP.



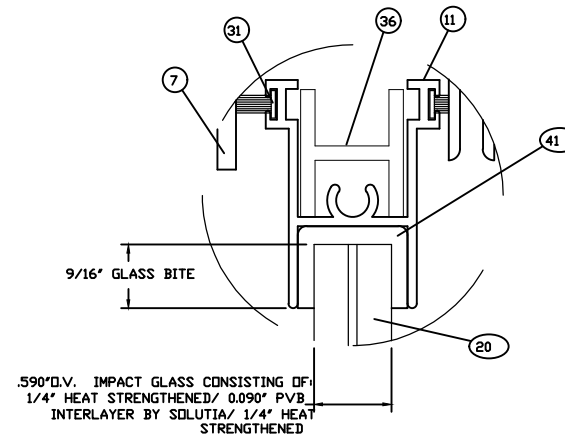
㉒ HOOK STRIP
WALL THICKNESS 0.063 TYP.



WINDOW CRAFTSMEN, INC.
6031 CLARK CENTER AVE.
SARASOTA, FLORIDA 34238

TITLE: 70R IMPACT GLASS SLIDING DOORS ALUMINUM BY-PASS/CENTER MEET/POCKET EXTRUSIONS		
ENGINEER: MARK A. SMITH	DRAWN BY: MAS	DATE: 4/9/10
DISCIPLINE: CIVIL	SCALE: N.T.S.	DWG. NO. WCI-SGDD014
FL. REG. NO.: 55511	REV. LETTER: H	SHEET 6

BILL OF MATERIAL				
ITEM NO.	PART NO.	DESCRIPTION	VENDOR	
1	WCR-90499-1	FOUR TRACK HEAD	ALUM. ALLOY 6063-T5	PROFILE
2	WCR-90500-1	FOUR TRACK SILL	ALUM. ALLOY 6063-T5	PROFILE
3	WCR-90501	FOUR TRACK JAMB	ALUM. ALLOY 6063-T5	PROFILE
4	WCR-79670-1	THREE TRACK HEAD	ALUM. ALLOY 6063-T5	PROFILE
5	WCR-79671-1	THREE TRACK SILL	ALUM. ALLOY 6063-T5	PROFILE
6	WCR-79672	THREE TRACK JAMB	ALUM. ALLOY 6063-T5	PROFILE
7	WCR-90496-1	TWO TRACK HEAD	ALUM. ALLOY 6063-T5	PROFILE
8	WCR-90497-1	TWO TRACK SILL	ALUM. ALLOY 6063-T5	PROFILE
9	WCR-90498	TWO TRACK JAMB	ALUM. ALLOY 6063-T5	PROFILE
10	WCR-90785	BOTTOM RAIL	ALUM. ALLOY 6063-T5	PROFILE
11	WCR-91060	TOP RAIL	ALUM. ALLOY 6063-T6	PROFILE
12	WCR-110	LOCK STILE	ALUM. ALLOY 6063-T6	PROFILE
13	WCR-111	SINGLE INTERLOCK STILE	ALUM. ALLOY 6063-T6	PROFILE
14	WCR-112	SILL ADAPTER	ALUM. ALLOY 6063-T6	PROFILE
15	WCR-038A	ASTRAGAL	ALUM. ALLOY 6063-T5	PROFILE
16	WCR-114	BOTTOM RAIL SCREEN	ALUM. ALLOY 6063-T5	PROFILE
17	WCR-115	TOP RAIL SCREEN	ALUM. ALLOY 6063-T5	PROFILE
18		SPLINE, 200 ROUND SCREEN		ALUMINUM SPECIALTIES
19	WINCR-1648-01	DOOR LOCK SET		AMERBURY
20	IMPACT GLASS	9/16, (1/4"HS x .090 x 1/4"HS) PVB INTERLAYER		CARDINAL
21	PJS-7623-38	SINGLE ROLLER		SULLIVAN ASSOCIATES
22	FLB229999	DOOR BUMPER		FRANK LOWE RUBBER
23	SGD-1800	PANEL BUMPER		COMMERCIAL PLASTICS
24		#14 X 1", PANEL SCREW -1		ACTION BOLT
25		#14 X 1" TYPE 23, PANEL SCREW-2		ACTION BOLT
26		8-32 X 3/8", KEEPER SCREW		ACTION BOLT
27		#12 X 1-3/4", INSTALLATION/ASTRAGAL SCREW		ACTION BOLT
28		#12 X 1-1/4" SQ. TYPE B, MAINFRAME SCREW		ACTION BOLT
29	WCR-100	INTERLOCK ADAPTER H BAR	ALUM. ALLOY 6063-T6	PROFILE
30	WCR-002A	H-BAR SUPPORT	ALUM. ALLOY 6063-T5	PROFILE
31	W23251NW	POLYPILE 0.187 X 0.250 FIN		ULTRAFAB
32	W13251NW	POLYPILE 0.187 X 0.250		ULTRAFAB
33	TP-1023	SETTING BLOCK		TEAM PLASTICS
34	TP-433	VINYL GLAZING SCREEN		TEAM PLASTICS
35	TP-915	VINYL INTERLOCK		TEAM PLASTICS
36	WCR-007	H-BAR SUPPORT	ALUM. ALLOY 6063-T6	PROFILE
37	WCR-116	LOCK STILE SCREEN		PROFILE
38	WCR-117	VINYL STYLE SCREEN		PROFILE
39	WCR-137	ASTRAGAL SCREEN		PROFILE
40	62490W13	HOOK STRIP		NUAIR
41	795802	TREMGLAZE S500		TREMCO
42	WC-118	SECURITY CLIP		RIMER & RIMER
43	PD300WHUC-S1	SCREEN HANDLE SET		SULLIVAN ASSOCIATES
44	2537-SS	KEEPER		SULLIVAN ASSOCIATES



IMPACT GLAZING DETAIL A

WINDOW CRAFTSMEN, INC.
6031 CLARK CENTER AVE.
SARASOTA, FLORIDA 34238

TITLE: 70R IMPACT GLASS SLIDING DOOR ALUMINUM BY-PASS/CENTER MEET/POCKET BILL OF MATERIALS		
ENGINEER: MARK A. SMITH	DRAWN BY: MAS	DATE: 2/18/11
DISCIPLINE: CIVIL	SCALE: N.T.S.	DWG. NO. WCI-SGD014
FL. REG. NO.: 55511	REV. LETTER: H	SHEET 7