

50R 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	10	10	8	-50.00	+50.00
	6'	96.00	10	12	9	-50.00	+50.00
XX	8"	80.00	14	10	8	-50.00	+50.00
	8"	96.00	14	12	9	-50.00	+50.00
XXX	9'	80.00	16	10	8	-50.00	+50.00
	9'	96.00	16	12	9	-50.00	+50.00
XXX	12'	80.00	18	10	8	-50.00	+50.00
	12'	96.00	18	12	9	-50.00	+50.00
XXXX	12'	80.00	18	10	8	-50.00	+50.00
	12'	96.00	18	12	9	-50.00	+50.00
XXXX	16'	80.00	24	10	8	-50.00	+50.00
	16'	96.00	24	12	9	-50.00	+50.00

ANCHOR DETAILS

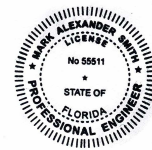
APPLICATION	ANCHOR	EDGE DIST.	MIN. EMBEDMENT	MAX. SHIM SPACE
MASONRY W/1 BY WOOD BUCK	1/4" CONC.	2.0"	1.25"	0.25"
MASONRY W/2 BY WOOD BUCK	#12 WOOD	1.5"	1.50"	0.25"
MASONRY	1/4" CONC.	2.0"	1.25"	0.25"
METAL	#12 SMS	0.75"	.045" (THICK)	0.25"

NOTES ON ANCHOR CALCULATIONS:

- (1) CALCULATIONS DERIVED FROM TESTED UNIT, TEST REPORTS # NCTL-210-3220-1C & NCTL-210-3112-1A; NAMI NI008056.
- (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 AND 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 5-1/2". SPACING IS WITH ANCHORS IN PAIRS
- (6) MAX. SPACING ACROSS HEAD OR SILL IS 16-3/8". SPACING IS WITH ANCHORS IN PAIRS
- (7) MAX. SPACING ACROSS JAMBS IS 17". SPACING IS WITH ANCHORS IN PAIRS
- (8) MAX. SPACING ACROSS HOOK STRIP IS 11".

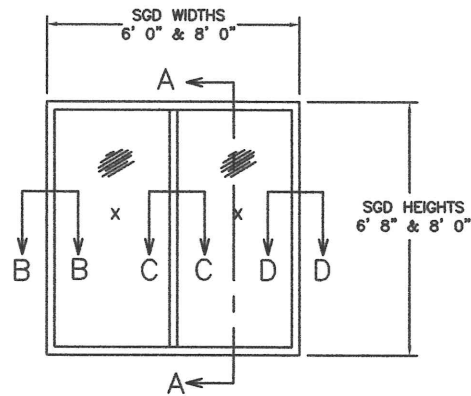
NOTES:

- (1) THIS PRODUCT IS DESIGNED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE 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, 16-3/8" ACROSS HEAD & SILL, 17" ALONG JAMBS AND 11" 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 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.

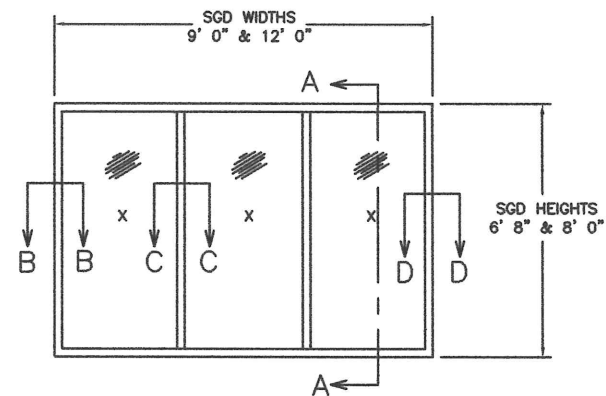


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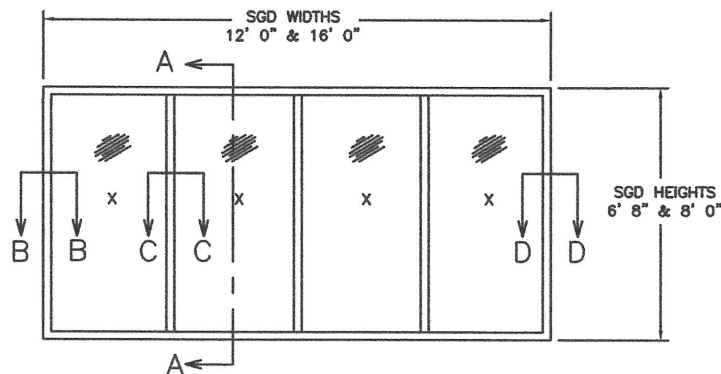
WINDOW CRAFTSMEN, INC. 6031 CLARK CENTER AVE. SARASOTA, FLORIDA 34238		
TITLE: 50R IMPACT GLASS SLIDING DOORS ALUMINUM BY-PASS/CENTER MEET/POCKET ANCHOR TABLE AND NOTES		
ENGINEER: MARK A. SMITH	DRAWN BY: MAS	DATE: 3/25/11
DISCIPLINE: CIVIL	SCALE: N.T.S.	DWG. NO. WCI-SGD012
FL. REG. NO.: 55511	REV. LETTER: 0	SHEET 1



2 PANEL SLIDING GLASS DOOR
XX CONFIGURATION



3 PANEL SLIDING GLASS DOOR
XXX CONFIGURATION



4 PANEL SLIDING GLASS DOOR
XXXX CONFIGURATION

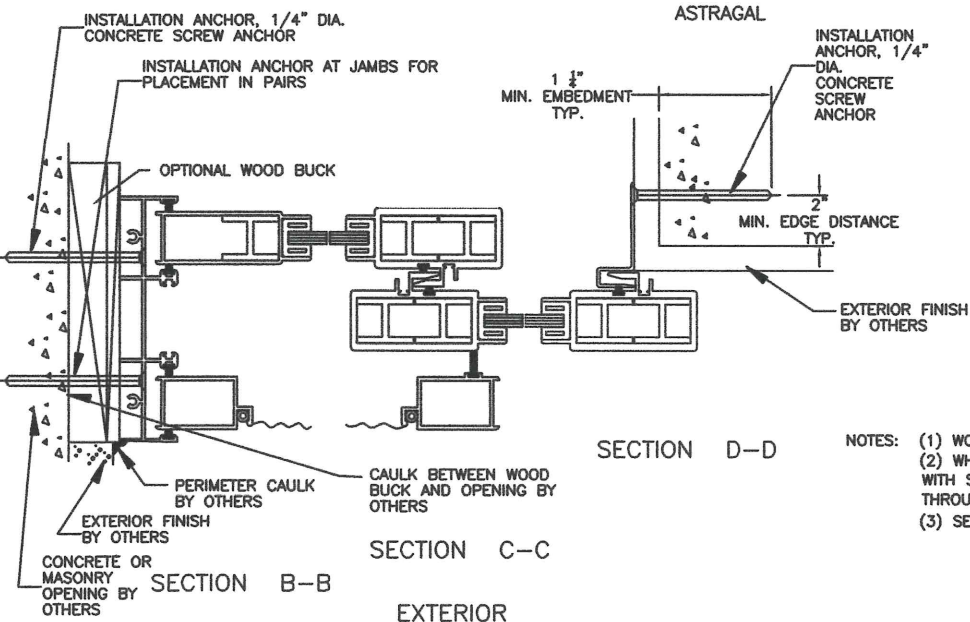
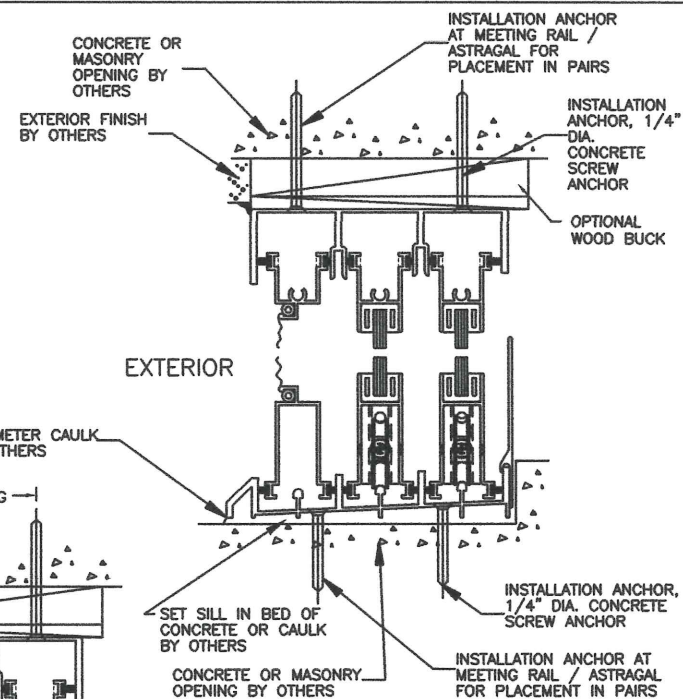
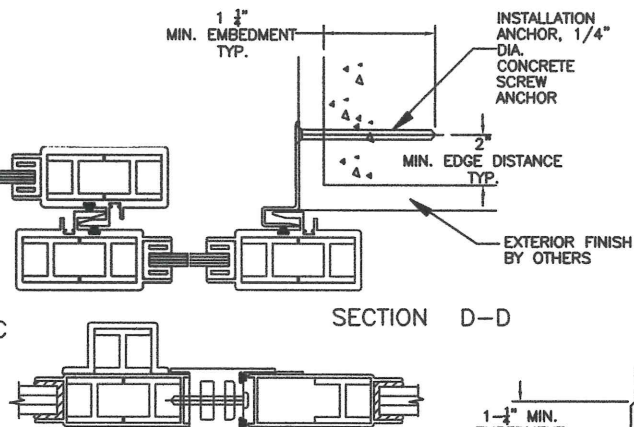
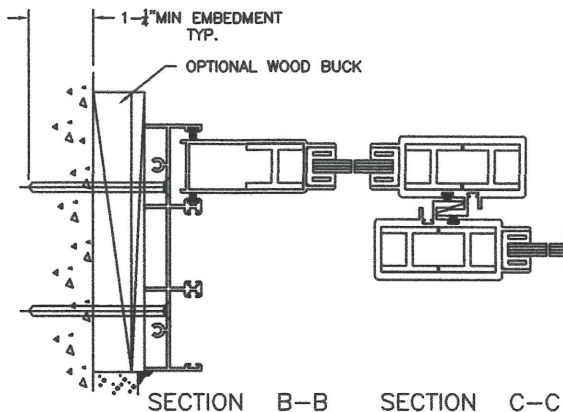
FOR INSTALLATION DETAILS AND
SECTIONS A-A, B-B, C-C AND D-D SEE SHEETS 3, 4, AND 5



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WINDOW CRAFTSMEN, INC. 6031 CLARK CENTER AVE. SARASOTA, FLORIDA 34238		
TITLE: 50R 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-SGD012
FL. REG. NO.: 55511	REV. LETTER: 0	SHEET 2

MARK A. SMITH, P.E. 3738 KINGSWOOD DR., SARASOTA, FL. 34232 PH 941-993-9620



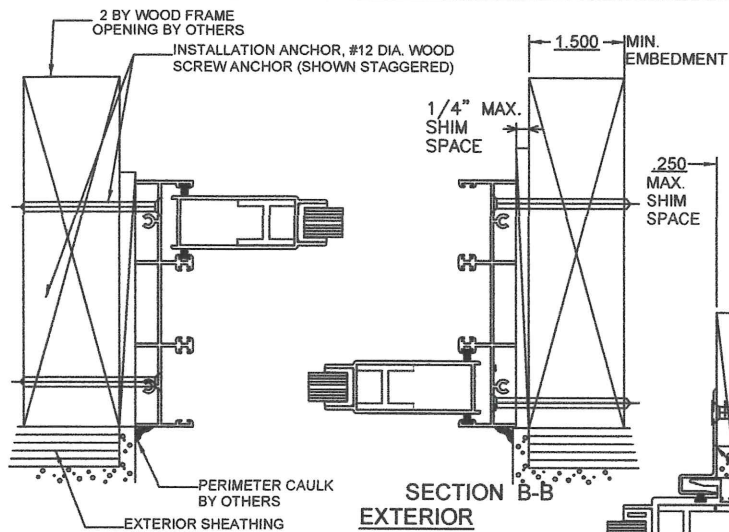
- NOTES:
- (1) WOOD BUCK FRAMING NOT REQUIRED.
 - (2) WHEN INSTALLING INTO STEEL USE #12 SMS WITH SUFFICIENT LENGTH TO HAVE FULL THREAD ENGAGEMENT THROUGH FULL STEEL THICKNESS, MIN. .063".
 - (3) SEE SHEET 7 FOR GLAZING OPTIONS



SECTION A-A

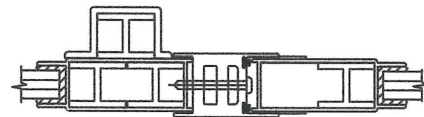
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WINDOW CRAFTSMEN, INC. 6031 CLARK CENTER AVE. SARASOTA, FLORIDA 34238		
TITLE: 50R IMPACT GLASS SLIDING DOORS ALUMINUM BY-PASS/CENTER MEET/POCKET CONC., STEEL SYSTEMS INSTALLATION DETAILS		
ENGINEER: MARK A. SMITH	DRAWN BY: MAS	DATE: 2/16/11
DISCIPLINE: CIVIL	SCALE: N.T.S.	DWG. NO. WCI-SGD012
FL. REG. NO.: 55511	REV. LETTER: 0	SHEET 3

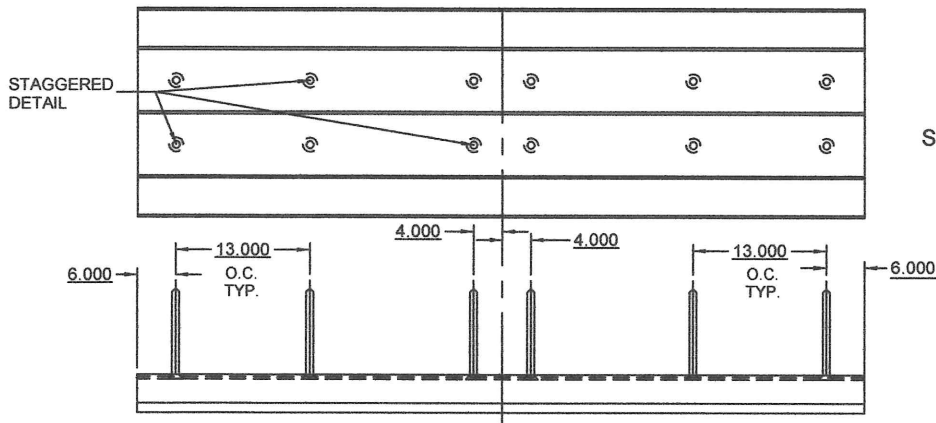


SECTION B-B

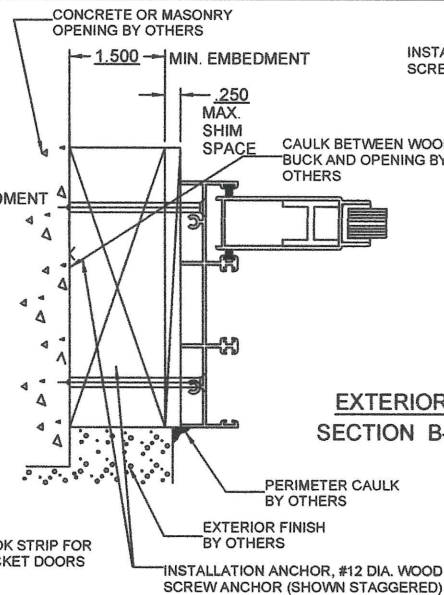
TYPICAL DETAIL AT 2 BY WOOD FRAMING



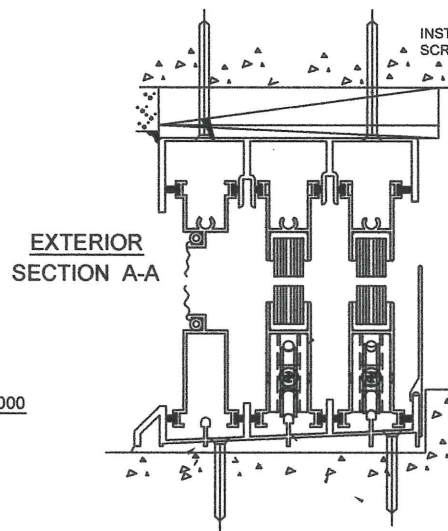
SECTION D-D



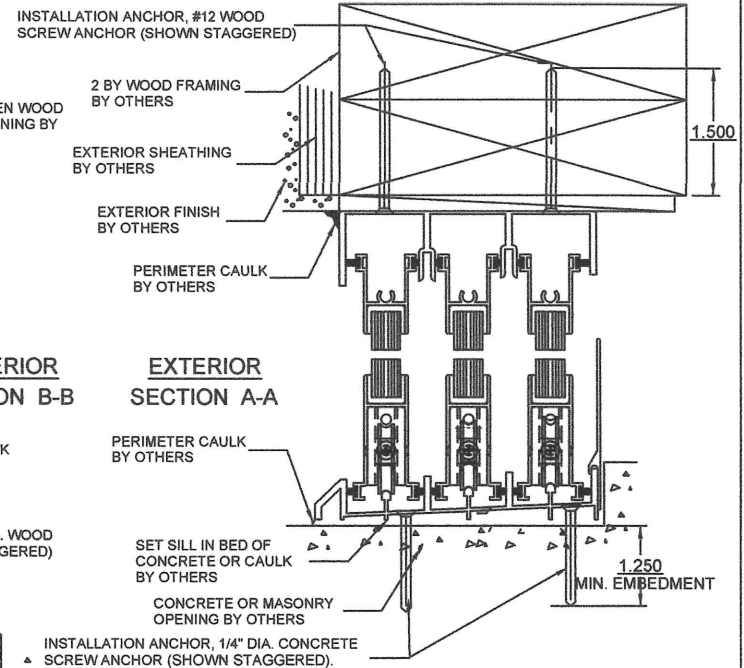
TYPICAL ANCHOR DETAIL AT INTERLOCK OR ASTRAGAL



TYPICAL DETAIL AT 2 X BUCK



EXTERIOR SECTION A-A



TYPICAL DETAIL AT 2 BY WOOD FRAMING

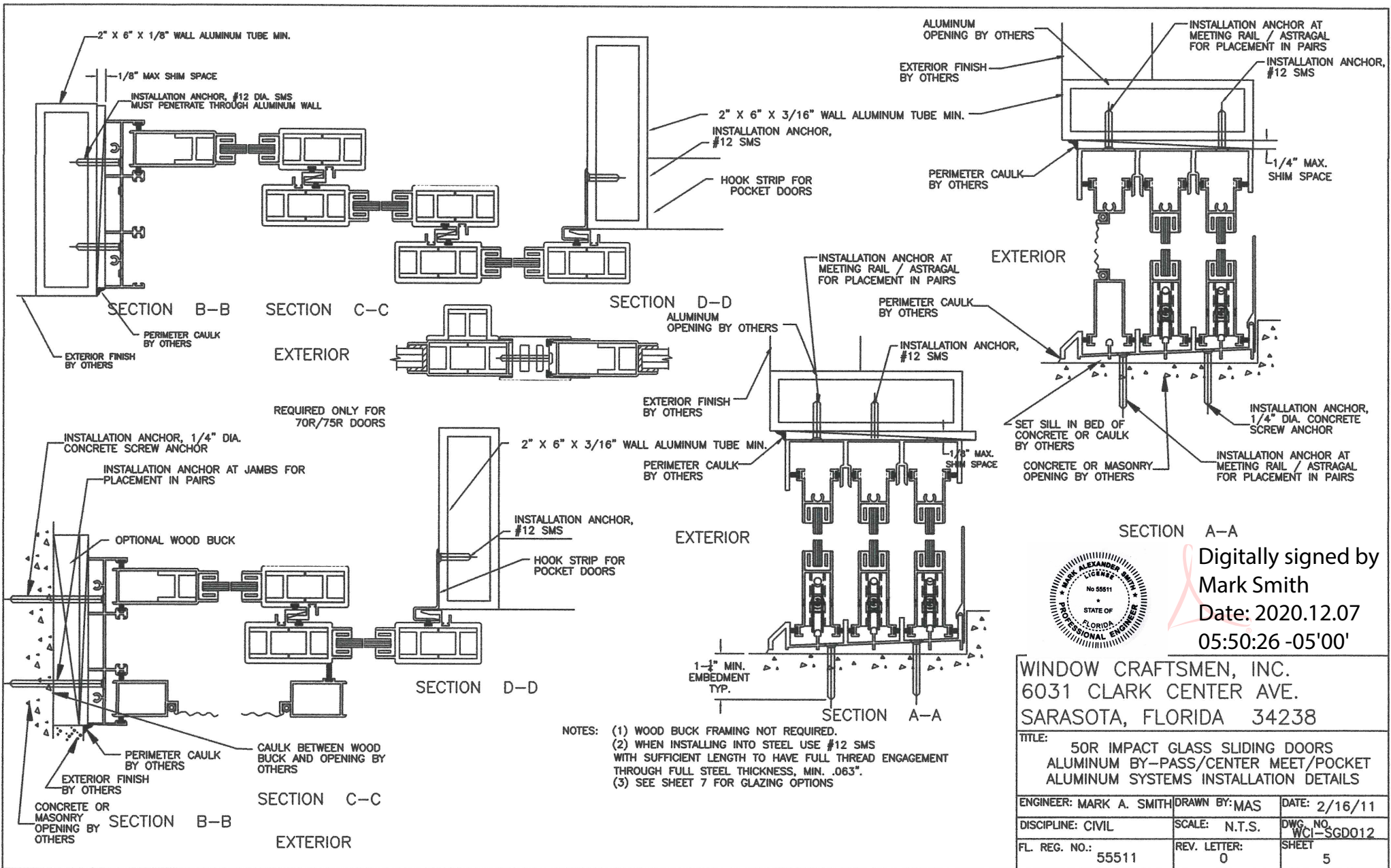


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SEE SHEET 7 FOR GLAZING OPTIONS

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

TITLE: 50R IMPACT GLASS SLIDING DOORS ALUMINUM BY-PASS/CENTER MEET/POCKET WOOD FRAMING INSTALLATION DETAILS		
ENGINEER: MARK A. SMITH	DRAWN BY: MAS	DATE: 2/18/11
DISCIPLINE: CIVIL	SCALE: N.T.S.	DWG. NO. WCI-SGD012
FL. REG. NO.: 55511	REV. LETTER: 0	SHEET 4



SECTION A-A

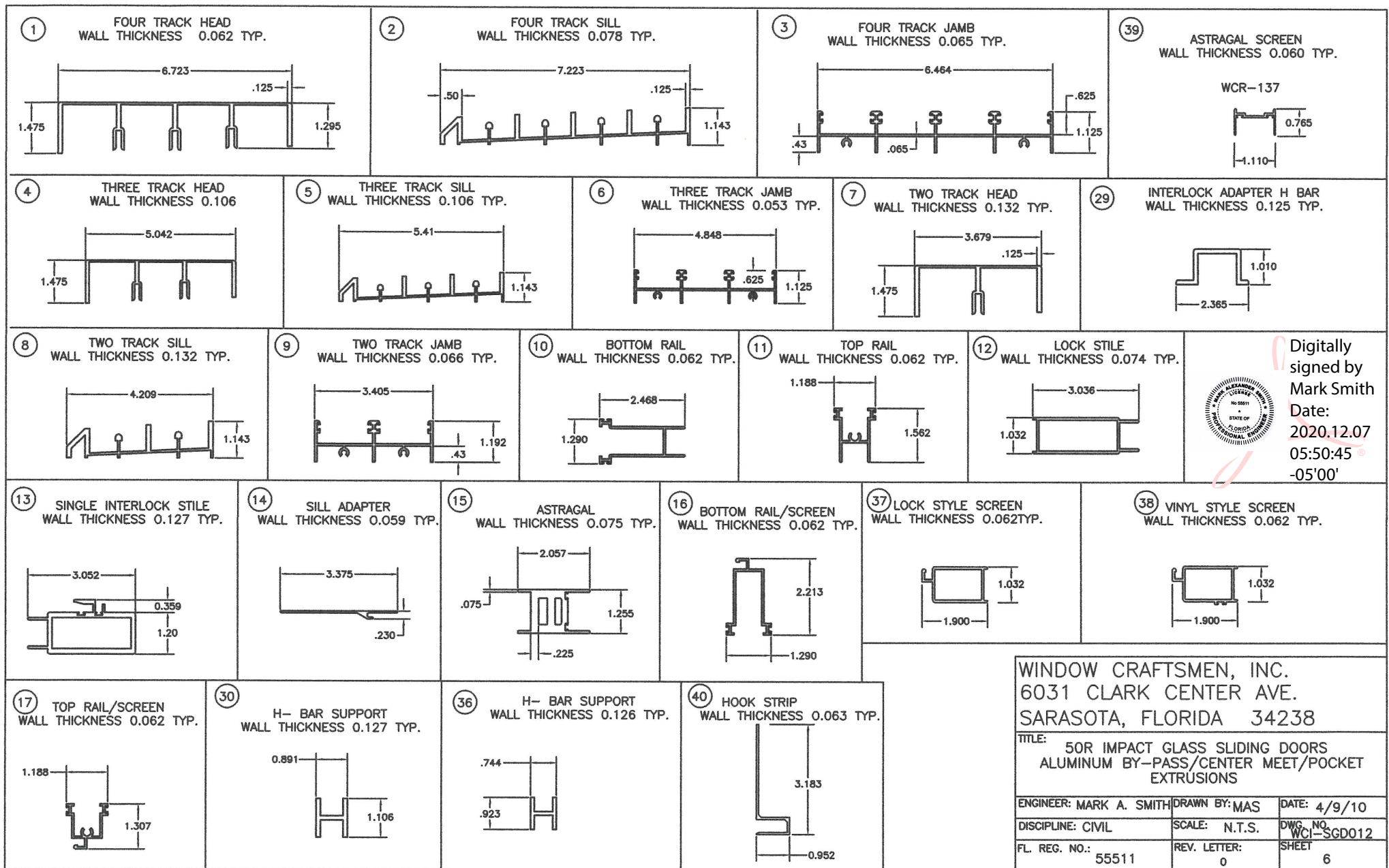
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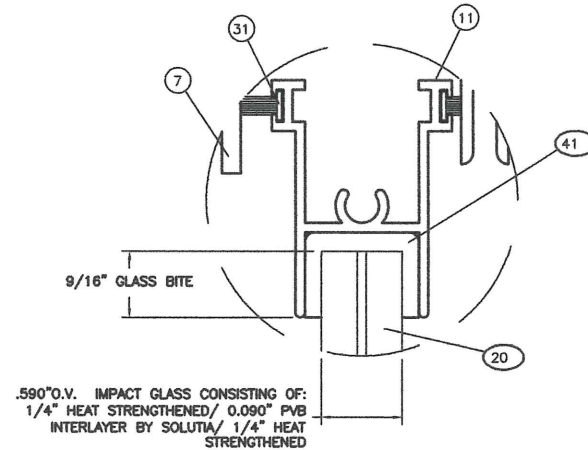
WINDOW CRAFTSMEN, INC.
6031 CLARK CENTER AVE.
SARASOTA, FLORIDA 34238

TITLE:
50R 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-SGD012
FL. REG. NO.: 55511	REV. LETTER: 0	SHEET 5



BILL OF MATERIAL			
ITEM NO.	PART NO.	DESCRIPTION	VENDOR
1	WCR-90499-1	FOUR TRACK HEAD	ALUM. ALLOY 6063-T5
2	WCR-90500-1	FOUR TRACK SILL	ALUM. ALLOY 6063-T5
3	WCR-90501	FOUR TRACK JAMB	ALUM. ALLOY 6063-T5
4	WCR-79670-1	THREE TRACK HEAD	ALUM. ALLOY 6063-T5
5	WCR-79671-1	THREE TRACK SILL	ALUM. ALLOY 6063-T5
6	WCR-79672	THREE TRACK JAMB	ALUM. ALLOY 6063-T5
7	WCR-90496-1	TWO TRACK HEAD	ALUM. ALLOY 6063-T5
8	WCR-90497-1	TWO TRACK SILL	ALUM. ALLOY 6063-T5
9	WCR-90498	TWO TRACK JAMB	ALUM. ALLOY 6063-T5
10	WCR-90785	BOTTOM RAIL	ALUM. ALLOY 6063-T5
11	WCR-91060	TOP RAIL	ALUM. ALLOY 6063-T6
12	WCR-110	LOCK STILE	ALUM. ALLOY 6063-T6
13	WCR-111	SINGLE INTERLOCK STILE	ALUM. ALLOY 6063-T6
14	WCR-112	SILL ADAPTER	ALUM. ALLOY 6063-T6
15	WCR-038A	ASTRAGAL	ALUM. ALLOY 6063-T5
16	WCR-114	BOTTOM RAIL SCREEN	ALUM. ALLOY 6063-T5
17	WCR-115	TOP RAIL SCREEN	ALUM. ALLOY 6063-T5
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
30	WCR-002A	H-BAR SUPPORT	ALUM. ALLOY 6063-T5
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
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



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WINDOW CRAFTSMEN, INC. 6031 CLARK CENTER AVE. SARASOTA, FLORIDA 34238		
TITLE: 50R 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-SGD012
FL. REG. NO.: 55511	REV. LETTER: 0	SHEET 7