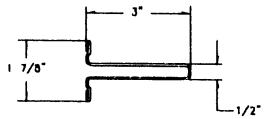
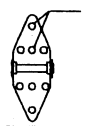
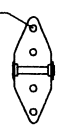
NOTE: THE DOOR MUST BE INSTALLED WITH EITHER AN ELECTRONIC OPERATOR OR A LOCKING DEVICE. EXTENSION SPRING DOORS MUST HAVE A TWO POINT LOCKING DEVICE IF NO OPERATOR IS INSTALLED.



STRUT DETAIL

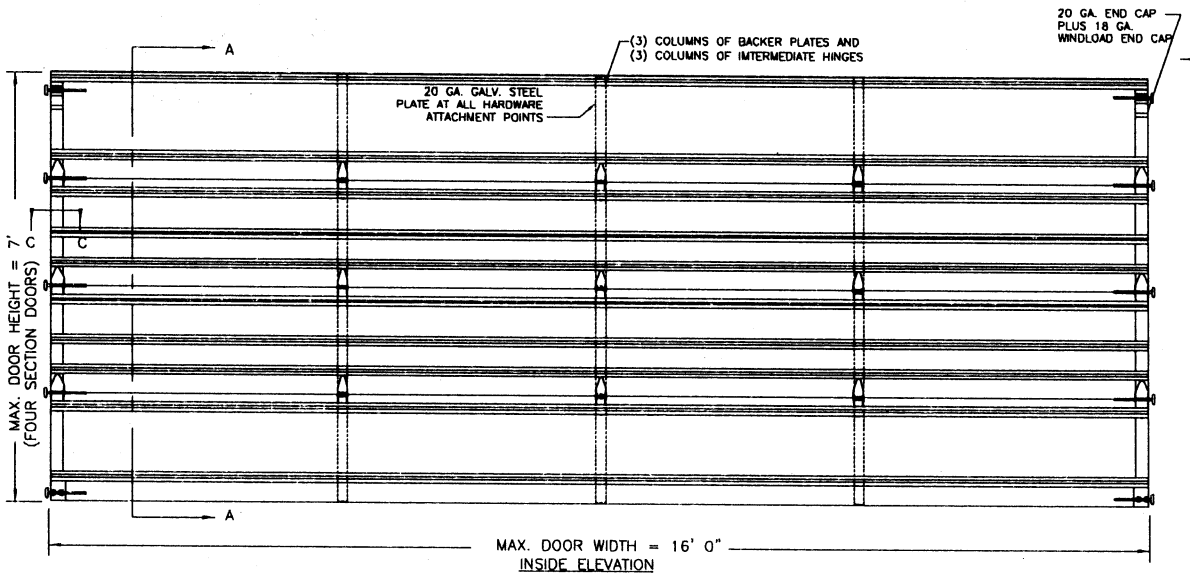


14 GA. END HINGE

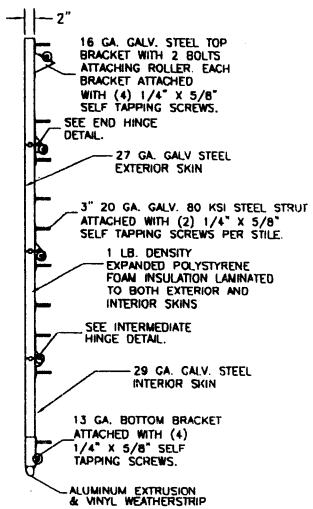


16 GA. INTERMEDIATE HINGE

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	A	ADDED (2) STRUTS	1/31/07	ABL
	B	CHANGED JAMB MATERIAL	3/6/07	ABL
	C	ADDED FOAM AND SKIN NOTES	3/7/07	ABL
	D	ADDED NOTE ABOUT JAMB ATTACHMENT DRAWINGS	7/12/07	ABL



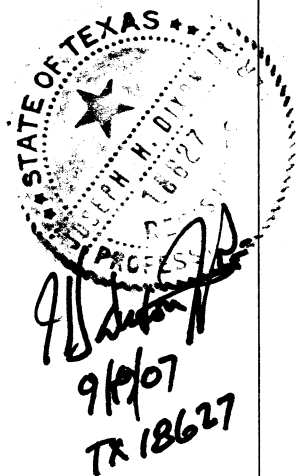
INSIDE ELEVATION

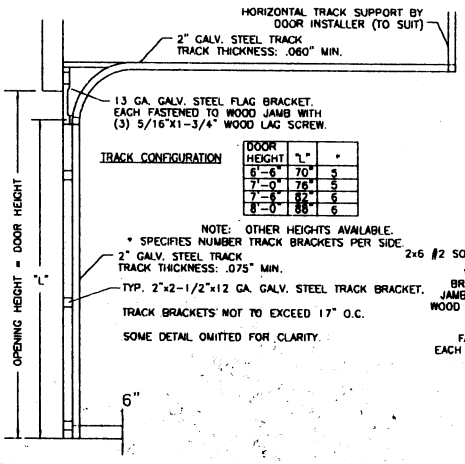


SECTION A–A

STRUT LOCATIONS	
7'	8'
4"	4"
18"	18"
25.5"	25.5"
31.5"	30"
39"	36"
46.5"	43.5"
52.5"	48"
60"	54"
67.5"	61.5"
83"	72"
	79.5"
	85.5"
	95"

NOTE: DOORS ARE AVAILABLE TO 10' HIGH IN SOME MODELS AND WIDTHS. REFER TO STRUT AND SECTION LOCATIONS TABLE FOR INFORMATION ON DOOR HEIGHTS NOT LISTED ON THIS DRAWING.



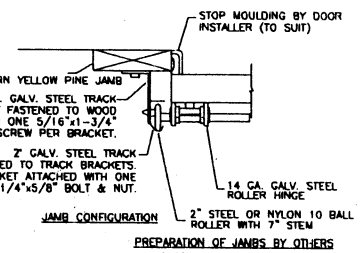


TRACK CONFIGURATION

DOOR HEIGHT	"L"	*
6'-6"	70"	5
7'-0"	76"	5
7'-6"	82"	6
8'-0"	88"	6

NOTE: OTHER HEIGHTS AVAILABLE.
* SPECIFIES NUMBER TRACK BRACKETS PER SIDE.

SEE DRAWINGS WL001 AND WL002 FOR ATTACHMENT OF WOOD TO BUILDING STRUCTURE.



JAMB CONFIGURATION

PREPARATION OF JAMBS BY OTHERS
SECTION C–C

NOTE: THE DESIGN OF THE SUPPORTING STRUCTURAL ELEMENTS SHALL BE THE RESPONSIBILITY OF THE PROFESSIONAL OF RECORD FOR THE BUILDING OR STRUCTURE AND IN ACCORDANCE WITH CURRENT BUILDING CODES FOR THE LOADS LISTED ON THIS DRAWING.

DOORS WITH GLAZED SECTIONS ARE NOT QUALIFIED FOR USE IN WIND-BORNE DEBRIS REGIONS

MODEL: 238
DESIGN PRESSURE +29.7/-33.1 PSF TEST PRESSURE +44.6/-44.7 PSF

TESTED PER THE APPLICABLE REQUIREMENTS OF ANSI/DASMA 108-2002.

Ankmar Door Manufacturing Co., Inc.
4600 Kansas Ave.
KANSAS CITY, KANSAS 66106-1127

TITLE
WIND LOAD RATED RESIDENTIAL DOOR

DRAWN BY	SIZE	FSCM NO.	DWG NO.	REV
ABL 12/11/06	B		RES-OA-16-29	D
APPROVED ABL 12/11/06	SCALE N/A		SHEET 1 OF 1	

MODEL 238 SECTION ARRANGEMENTS AND STRUT LOCATIONS
+29.7 / -33.1 PSF (140 MPH EXPOSURE CATEGORY B)

DOOR HEIGHT	#1 SECT	#2 SECT	#3 SECT	#4 SECT	#5 SECT	#6 SECT	#7 SECT	#8 SECT	STRUT LOCATIONS #1 STRUT	#2 STRUT	#3 STRUT	#4 STRUT	#5 STRUT	#6 STRUT	#7 STRUT	#8 STRUT	#9 STRUT	#10 STRUT	#11 STRUT	#12 STRUT	#13 STRUT	#14 STRUT	#15 STRUT	#16 STRUT	#17 STRUT	#18 STRUT	#19 STRUT	#20 STRUT	#21 STRUT	NO. of TRACK BRKTS
6 - 0	18	18	18	18					4	15	22 1/2	27	33	40 1/2	45	51	58 1/2	71												5
6 - 3	21	18	18	18					4	18	25 1/2	30	36	43 1/2	48	54	61 1/2	74												5
6 - 6	21	18	18	21					4	18	25 1/2	30	36	43 1/2	48	54	61 1/2	77												5
6 - 9	21	21	18	21					4	18	25 1/2	31 1/2	39	46 1/2	51	57	64 1/2	80												5
7 - 0	21	21	21	21					4	18	25 1/2	31 1/2	39	46 1/2	52 1/2	60	67 1/2	83												5
7 - 6	18	18	18	18	18				4	15	22 1/2	27	33	40 1/2	45	51	58 1/2	81	76 1/2	81	89									6
7 - 9	21	18	18	18	18				4	18	25 1/2	30	36	43 1/2	48	54	61 1/2	72	79 1/2	84	92									6
8 - 0	21	18	18	18	21				4	18	25 1/2	30	36	43 1/2	48	54	61 1/2	72	79 1/2	85 1/2	95									6
8 - 3	21	21	18	18	21				4	18	25 1/2	31 1/2	39	46 1/2	51	57	64 1/2	75	82 1/2	88 1/2	98									6
8 - 6	21	21	21	18	21				4	18	25 1/2	31 1/2	39	46 1/2	52 1/2	60	67 1/2	78	85 1/2	91 1/2	101									7
8 - 9	21	21	21	21	21				4	18	25 1/2	31 1/2	39	46 1/2	52 1/2	60	67 1/2	81	88 1/2	94 1/2	104									7
9 - 0	18	18	18	18	18	18			4	15	22 1/2	27	33	40 1/2	45	51	58 1/2	69	76 1/2	81	87	94 1/2	99	107						7
9 - 3	21	18	18	18	18	18			4	18	25 1/2	30	36	43 1/2	48	54	61 1/2	72	79 1/2	84	90	97 1/2	102	110						7
9 - 6	21	18	18	18	18	21			4	18	25 1/2	30	36	43 1/2	48	54	61 1/2	72	79 1/2	84	90	97 1/2	103 1/2	113						7
9 - 9	21	21	18	18	18	21			4	18	25 1/2	31 1/2	39	46 1/2	51	57	64 1/2	75	82 1/2	87	93	100 1/2	106 1/2	116						7
10 - 0	21	21	21	18	18	21			4	18	25 1/2	31 1/2	39	46 1/2	52 1/2	60	67 1/2	78	85 1/2	90	96	103 1/2	109 1/2	119						8
10 - 3	21	21	21	21	18	21			4	18	25 1/2	31 1/2	39	46 1/2	52 1/2	60	67 1/2	81	88 1/2	93	99	106 1/2	112 1/2	122						8
10 - 6	21	21	21	21	21	21			4	18	25 1/2	31 1/2	39	46 1/2	52 1/2	60	67 1/2	81	88 1/2	94 1/2	102	109 1/2	115 1/2	125						8
10 - 9	21	18	18	18	18	18	18		4	18	25 1/2	30	36	43 1/2	48	54	61 1/2	72	79 1/2	84	90	97 1/2	102	108	115 1/2	128				8
11 - 0	21	18	18	18	18	18	21		4	18	25 1/2	30	36	43 1/2	48	54	61 1/2	72	79 1/2	84	90	97 1/2	102	108	115 1/2	131				8
11 - 3	21	21	18	18	18	18	21		4	18	25 1/2	31 1/2	39	46 1/2	51	57	64 1/2	75	82 1/2	87	93	100 1/2	105	111	118 1/2	134				9
11 - 6	21	21	21	18	18	18	21		4	18	25 1/2	31 1/2	39	46 1/2	52 1/2	60	67 1/2	78	85 1/2	90	96	103 1/2	108	114	121 1/2	137				9
11 - 9	21	21	21	21	18	18	21		4	18	25 1/2	31 1/2	39	46 1/2	52 1/2	60	67 1/2	81	88 1/2	93	99	106 1/2	111	117	124 1/2	140				9
12 - 0	18	18	18	18	18	18	18	18	4	15	22 1/2	27	33	40 1/2	45	51	58 1/2	69	76 1/2	81	87	94 1/2	99	105	112 1/2	123	130 1/2	135	143	9
12 - 3	21	18	18	18	18	18	18	18	4	18	25 1/2	30	36	43 1/2	48	54	61 1/2	72	79 1/2	84	90	97 1/2	102	108	115 1/2	126	133 1/2	138	146	9
12 - 6	21	18	18	18	18	18	18	21	4	18	25 1/2	30	36	43 1/2	48	54	61 1/2	72	79 1/2	84	90	97 1/2	102	108	115 1/2	126	133 1/2	139 1/2	149	9
12 - 9	21	21	18	18	18	18	18	21	4	18	25 1/2	31 1/2	39	46 1/2	51	57	64 1/2	75	82 1/2	87	93	100 1/2	105	111	118 1/2	129	136 1/2	142 1/2	152	10
13 - 0	21	21	21	18	18	18	18	21	4	18	25 1/2	31 1/2	39	46 1/2	52 1/2	60	67 1/2	78	85 1/2	90	96	103 1/2	108	114	121 1/2	132	139 1/2	145 1/2	155	10
13 - 3	21	21	21	21	18	18	18	21	4	18	25 1/2	31 1/2	39	46 1/2	52 1/2	60	67 1/2	81	88 1/2	93	99	106 1/2	111	117	124 1/2	135	142 1/2	148 1/2	158	10
13 - 6	21	21	21	21	21	18	18	21	4	18	25 1/2	31 1/2	39	46 1/2	52 1/2	60	67 1/2	81	88 1/2	94 1/2	102	109 1/2	114	120	127 1/2	138	145 1/2	151 1/2	161	10
13 - 9	21	21	21	21	21	21	18	21	4	18	25 1/2	31 1/2	39	46 1/2	52 1/2	60	67 1/2	81	88 1/2	94 1/2	102	109 1/2	115 1/2	123	130 1/2	141	148 1/2	154 1/2	164	10
14 - 0	21	21	21	21	21	21	21	21	4	18	25 1/2	31 1/2	39	46 1/2	52 1/2	60	67 1/2	81	88 1/2	94 1/2	102	109 1/2	115 1/2	123	130 1/2	144	151 1/2	157 1/2	167	10

STATE OF TEXAS
JOSEPH H. DIX
18627
REGISTERED
PROFESSIONAL

9/19/07
TX 18627