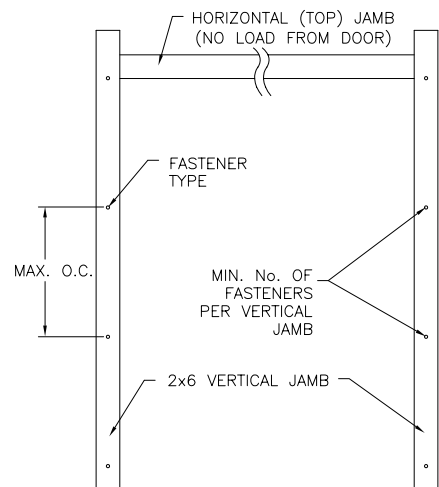
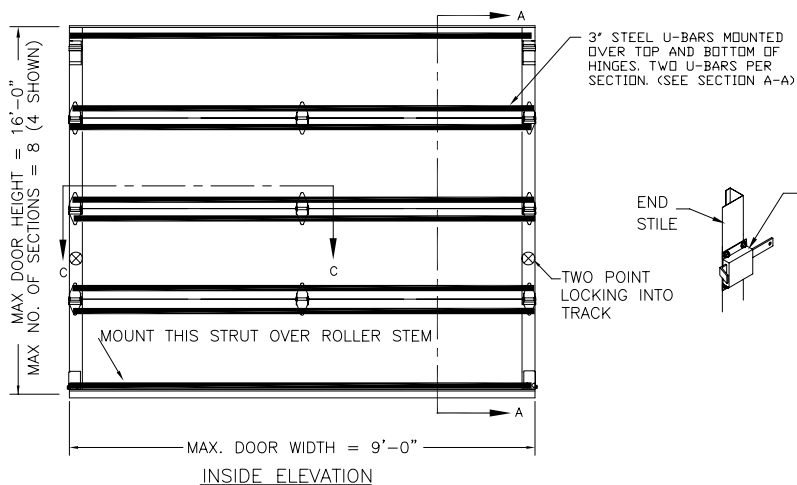


CLOPAY COACHMAN SERIES: CPnn, HPnn, CGnn, CXnn

HOLMES SETTLERS SERIES: SXnn

IDEAL AFFINITY SERIES: AGnn

NOTE: "nn" REPRESENTS THE ARRANGEMENT OF THE DECORATIVE OVERLAYS. THE FIRST DIGIT WILL HAVE A VALUE FROM 1 TO 3 AND THE SECOND DIGIT WILL HAVE A VALUE FROM 1 TO 5.



NOTE: SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS SHOWN ON THIS DRAWING.

THIS DOOR MEETS THE REQUIREMENTS OF THE LARGE MISSILE IMPACT AND CYCLIC TESTING.

THIS DOOR MEETS OR EXCEEDS THE DESIGN LOADS FOR THE WIND SPEEDS LISTED BELOW ACCORDING TO THE FLORIDA BLDG. CODE OR IBC (ASCE7) FOR THE FOLLOWING CONDITIONS: 1) ENCLOSED BUILDING, 2) DOOR HAS 2' OF WIDTH IN BUILDING'S END ZONE, 3) IMPORTANCE FACTOR OF 1.0, 4) ANY ROOF SLOPE, AND 5) 50% SAFETY FACTOR.

WIND SPEED (MPH)	≤ 140	150	150
EXPOSURE LEVEL	B or C	B	C
MEAN ROOF HEIGHT	30'	30'	25'

REVISIONS					
REV. NO.	ZONE	DATE	ECN NO.	APPVD	DESCRIPTION
00	-	02/2006	-	-	INITIAL RELEASE
01	-	12/10/08	-	-	MAX HT WAS 12-0.

JAMB TO SUPPORTING STRUCTURE ATTACHMENT

NOTES:
1) ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE TRACK AND THEN FROM THE TRACK TO THE 2x6 VERTICAL SYP (GRADE #2 OR BETTER) JAMBS. NO LOAD FROM THE DOOR IS TRANSFERRED TO THE HORIZONTAL (TOP) JAMB.
2) ALL JAMB FASTENERS MAY BE (BUT ARE NOT REQUIRED TO BE) COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.

WOOD FRAME BUILDINGS
STUD WALLS OF DOOR OPENING SHALL BE FRAMED SOLID BY NOT LESS THAN (3) 2x6 PRESSURE TREATED SYP (GRADE #2 OR BETTER) WOOD STUDS OF A STRESS GRADE NOT LESS THAN 1200 PSI NOMINAL EXTREME FIBER STRESS IN BENDING (F_b). STUD WALLS TO BE CONTINUOUS FROM FOOTING TO TIE BEAMS.

BLOCK WALL OR CONCRETE
2x6 SYP (GRADE #2 OR BETTER) WOOD JAMB SHALL BE ANCHORED TO GROUT REINFORCED BLOCK WALL OR CONCRETE COLUMN. BLOCK WALL CELLS SHALL BE FILLED WITH CONCRETE AND REINFORCED WITH REINFORCING BARS EXTENDING INTO THE FOOTING AND INTO TIE BEAMS. ALL BARS SHALL BE CONTINUOUS FROM THE TIE BEAMS TO FOOTING PER BLOCK WALL OR CONCRETE COLUMN. BLOCK WALLS AND CONCRETE COLUMNS TO BE DESIGNED BY THE BUILDING ENGINEER OR ARCHITECT OF RECORD.

2x6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT
(NOT TO BE USED FOR ATTACHMENT OF TRACK BRACKETS)

BUILDING TYPE	FASTENER TYPE	MAXIMUM * ON CENTER DISTANCE BETWEEN FASTENERS	STEEL WASHERS REQUIRED?
C-90 BLOCK (HOLLOW OR GROUTED)	1/4" x 2-3/4" (1-1/4" EMBED) ITW TAPCON CONCRETE ANCHOR (2-1/2" MIN. EDGE DISTANCE)	9-1/2"	1" O.D.
3,000 PSI MIN. CONCRETE	1/4" x 2-1/2" (1" EMBED) ITW TAPCON CONCRETE ANCHOR (2-1/2" MIN. EDGE DISTANCE)	10"	1" O.D.
3,000 PSI MIN. CONCRETE	1/2" x 3-3/4" (2-1/4" EMBED) ITW RED HEAD TRUBOLT WEDGE ANCHOR (2" MIN. EDGE DISTANCE)	24"	INCLUDED
WOOD FRAME	1/2" x 4" (1-5/8" EMBED) LAG SCREW (ASTM A307, GRADE A) (2-1/2" MIN. EDGE DISTANCE)	22"	1" O.D.
2,000 PSI MIN. CONCRETE	1/2" x 5" (2-1/2" EMBED) WEJ-IT SLEEVE ANCHOR (2-1/2" MIN. EDGE DISTANCE)	14"	INCLUDED

* - FIRST ANCHOR/SCREW STARTING FROM BOTTOM AT NO MORE THAN HALF OF MAXIMUM ON CENTER DISTANCE. HIGHEST ANCHOR/SCREW INSTALLED AT LEAST AS HIGH AS THE DOOR OPENING HEIGHT

PREPARATION OF JAMBS BY OTHERS

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.

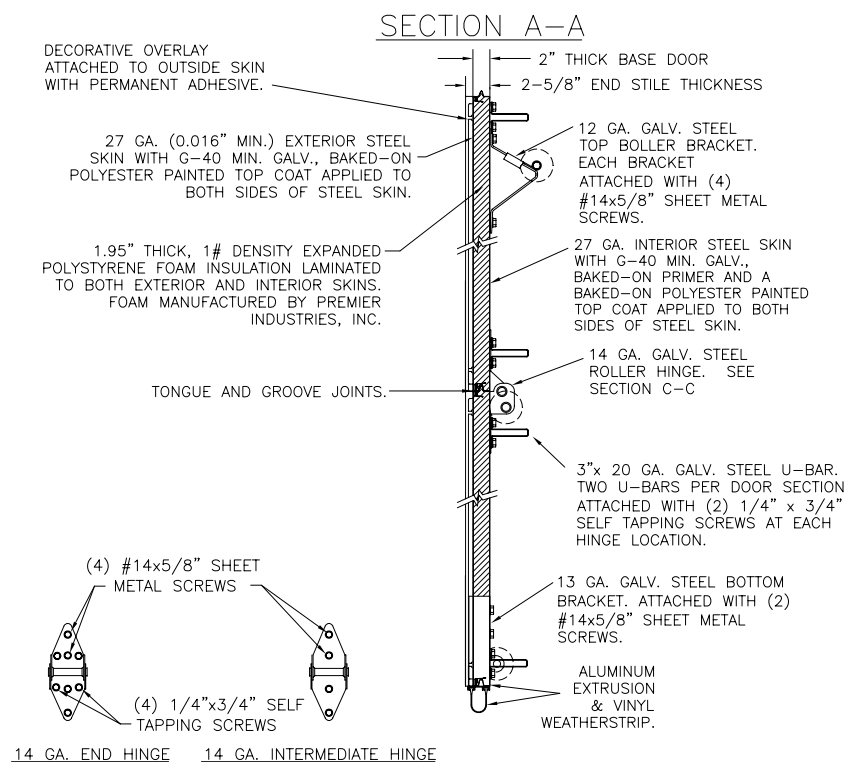
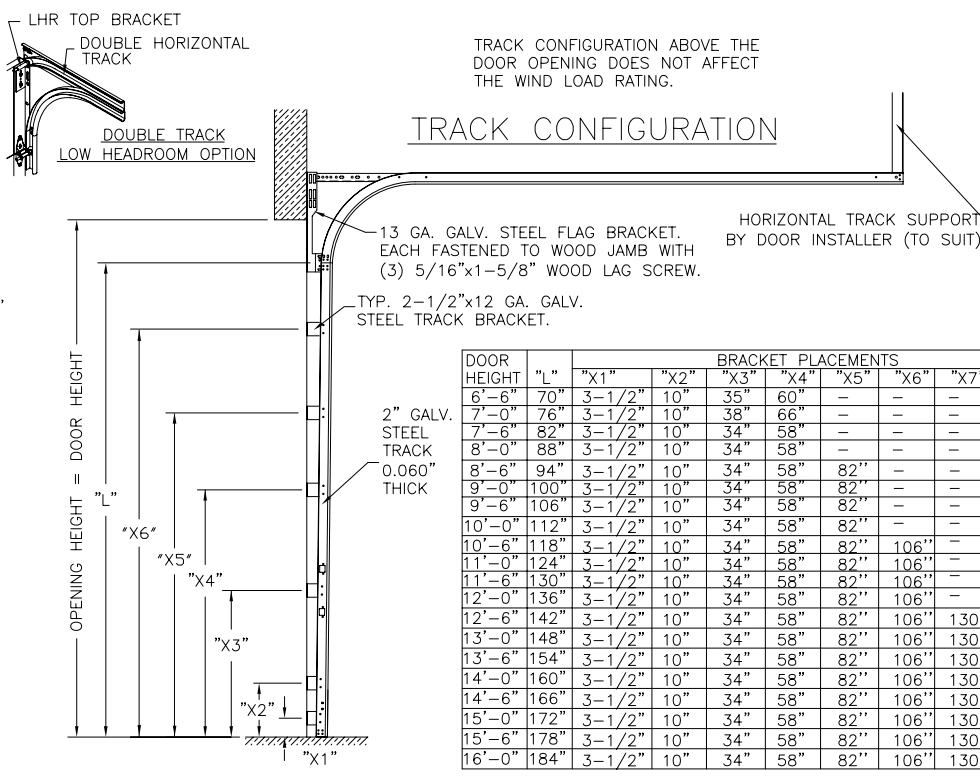


TABLE 1

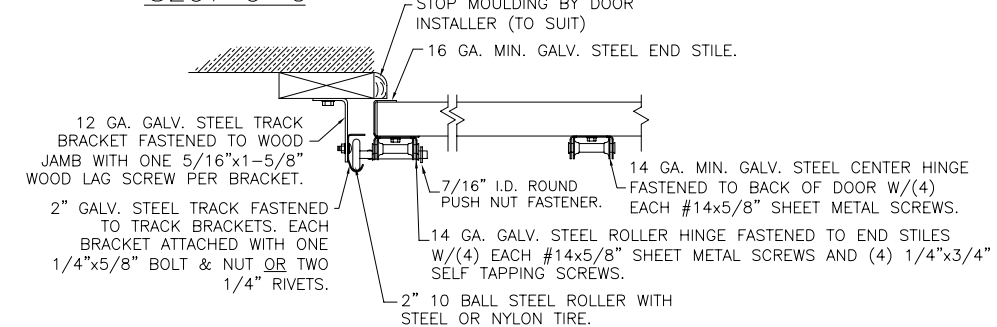
DOOR HEIGHT	NUMBER OF SECTIONS *
6'6" TO 8'0"	4
8'6" TO 10'0"	5
10'6" TO 12'0"	6
12'6" TO 14'0"	7
14'6" TO 16'0"	8

* SECTIONS ARE EITHER 18" OR 24" HIGH



DOOR HEIGHT	BRACKET PLACEMENTS								
	"L"	"X1"	"X2"	"X3"	"X4"	"X5"	"X6"	"X7"	"X8"
6'-6"	70"	3'-1/2"	10"	35"	60"	-	-	-	-
7'-0"	76"	3'-1/2"	10"	38"	66"	-	-	-	-
7'-6"	82"	3'-1/2"	10"	34"	58"	-	-	-	-
8'-0"	88"	3'-1/2"	10"	34"	58"	-	-	-	-
8'-6"	94"	3'-1/2"	10"	34"	58"	82"	-	-	-
9'-0"	100"	3'-1/2"	10"	34"	58"	82"	-	-	-
9'-6"	106"	3'-1/2"	10"	34"	58"	82"	-	-	-
10'-0"	112"	3'-1/2"	10"	34"	58"	82"	-	-	-
10'-6"	118"	3'-1/2"	10"	34"	58"	82"	106"	-	-
11'-0"	124"	3'-1/2"	10"	34"	58"	82"	106"	-	-
11'-6"	130"	3'-1/2"	10"	34"	58"	82"	106"	-	-
12'-0"	136"	3'-1/2"	10"	34"	58"	82"	106"	-	-
12'-6"	142"	3'-1/2"	10"	34"	58"	82"	106"	130"	-
13'-0"	148"	3'-1/2"	10"	34"	58"	82"	106"	130"	-
13'-6"	154"	3'-1/2"	10"	34"	58"	82"	106"	130"	-
14'-0"	160"	3'-1/2"	10"	34"	58"	82"	106"	130"	-
14'-6"	166"	3'-1/2"	10"	34"	58"	82"	106"	130"	154"
15'-0"	172"	3'-1/2"	10"	34"	58"	82"	106"	130"	154"
15'-6"	178"	3'-1/2"	10"	34"	58"	82"	106"	130"	154"
16'-0"	184"	3'-1/2"	10"	34"	58"	82"	106"	130"	154"

SECT C-C



DESIGN LOADS: +54.0 P.S.F. & -60.0 P.S.F.
TEST LOADS: +81.0 P.S.F. & -90.0 P.S.F.

Unless Stated Otherwise TOLERANCES are
.0 = ±.031
.00 = ±.015
.000 = ±.005
.0000 = ±.001
Degrees = ±1/2°
Unless Stated Otherwise DIMENSIONS ARE IN INCHES.

DESIGN ENGINEER: MARK WESTERFIELD, P.E.
FLORIDA P.E. #48495
NC P.E. #23832
TEXAS P.E. #91513

MANUFACTURING PRODUCT CODE:
MPC: DSIED-1M479

CLOPAY WINDLOAD RATING
W8

DESCRIPTION: 2" SINGLE CAR DSI W/ OVERLAY W8

DRAWN BY: RJK	DATE: 5/10/05	SCALE: NONE	DWG. SIZE: B
CHECKED BY: SH	DATE: 11/21/05	SHEET 1 OF 1	
DWG. NO.: 103436	VER: IBC		