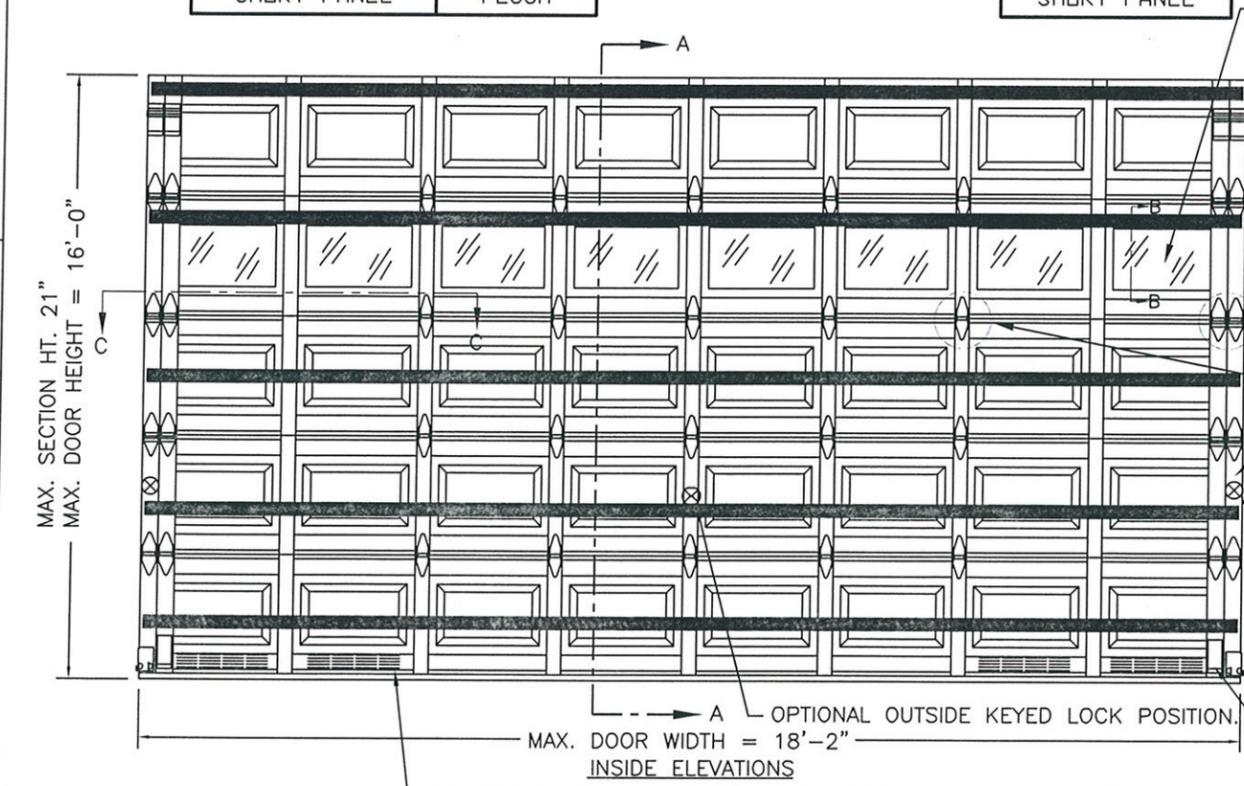


'CLASSIC' RAISED PANEL EMBOSS DOORS				'CARRIAGE HOUSE' RAISED PANEL EMBOSS DOORS	
MODELS	24 GA	25 GA	24 GA	MODELS	25 GA
CLOPAY	84A, 94	73, 75	98	CLOPAY 'GALLERY'	GD5S, GR5S
IDEAL	4RST	6RST	4F	HOLMES 'ARTISTRY'	AR5S
HOLMES	48, 48B	42, 42B	--	IDEAL 'CARRIAGE HOUSE'	ED5S
	SHORT PANEL		FLUSH	SHORT PANEL	

SHEET:
1 OF 4

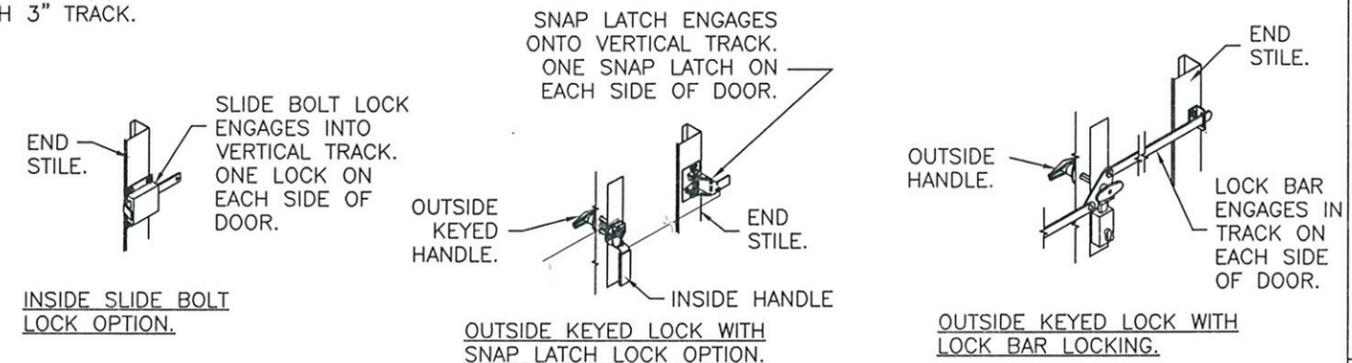
REVISIONS					
REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
04	-	6/3/13	-	SH	REMOVED STANDARD GLAZING OPTION.



DOOR HEIGHT	# OF SECTIONS
UP TO 7'0"	4
7'3" TO 8'9"	5
9'0" TO 10'6"	6
10'9" TO 12'3"	7
12'6" TO 14'0"	8
14'3" TO 15'9"	9
16'0"	10
MAX SECTION HEIGHT: 21'	

THIS DOOR MEETS OR EXCEEDS THE DESIGN LOADS FOR THE DESIGN WIND SPEEDS LISTED BELOW ACCORDING TO THE FLORIDA BUILDING CODE OR THE INTERNATIONAL BUILDING CODE (BASED ON ASCE7-05) FOR THE FOLLOWING CONDITIONS: 1) ENCLOSED BUILDING, 2) DOOR HAS 2' OF WIDTH IN BUILDING'S END ZONE, 3) ANY ROOF SLOPE, AND 4) TESTING IN ACCORDANCE WITH ANSI/DASMA 108. SITE-SPECIFIC CALCULATIONS BY A QUALIFIED DESIGN PROFESSIONAL MAY DIFFER.

ULTIMATE WIND SPEED (MPH)	135	140	150
EXPOSURE CATEGORY	B, C	B, C	B
MEAN ROOF HEIGHT	25'	15'	30'



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

6/4/13

DESIGN LOADS: +36.0 P.S.F. & -42.0 P.S.F.
TEST LOADS: +54.0 P.S.F. & -63.0 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.

Clopay
Building Products Company

8585 Duke Boulevard
Mason, OH 45040 USA
Tel. No. 513-770-4800
Fax No. 513-770-4853

MANUFACTURING PRODUCT CODE
PAN-2F143

PART NO.: N/A

WINDLOAD RATING
W6 DP36T

DESCRIPTION: 2" STEEL PAN DOORS 18'2" (SEE TABLE FOR MODELS)			
DRAWN BY: SH	DATE: 11/6/12	SCALE: NTS	DWG. SIZE B
CHECKED BY: SH	DATE: 11/8/12	SHEET 1 OF 4	
DWG. NO.: 104761	VER: TDI		

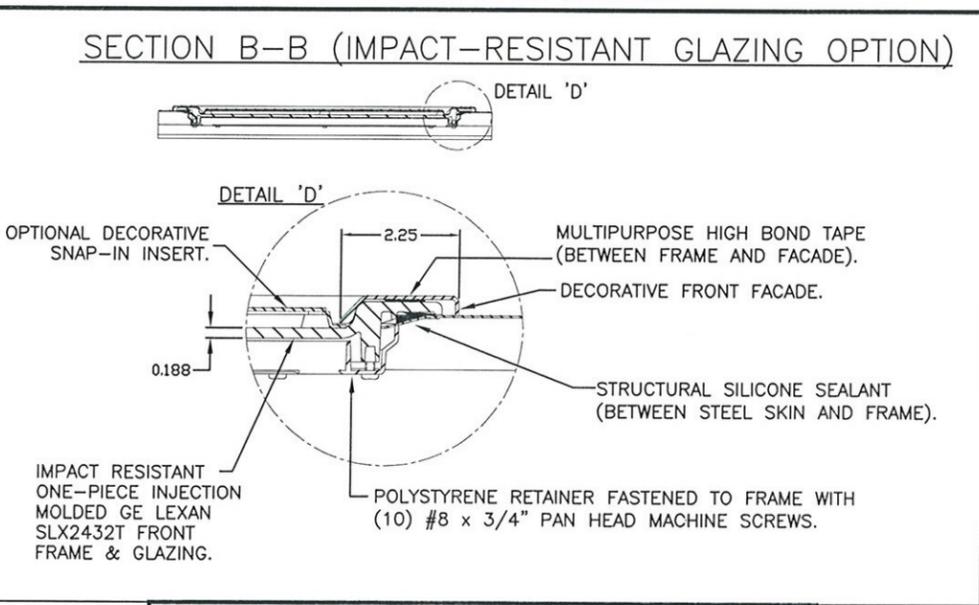
'CLASSIC' RAISED PANEL EMBOSS DOORS			
MODELS	24 GA	25 GA	24 GA
CLOPAY	84A, 94	73, 75	98
IDEAL	4RST	6RST	4F
HOLMES	48, 48B	42, 42B	--
	SHORT PANEL	FLUSH	

'CARRIAGE HOUSE' RAISED PANEL EMBOSS DOORS	
MODELS	25 GA
CLOPAY 'GALLERY'	GD5S, GR5S
HOLMES 'ARTISTRY'	AR5S
IDEAL 'CARRIAGE HOUSE'	ED5S
	SHORT PANEL

SHEET:
2 OF 4

REVISIONS					
REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
04	-	-	-	-	SEE REVISION HISTORY ON SHEET ONE.

IMPACT-RESISTANT CONSTRUCTION:
 SOLID DOORS (NO GLAZING) OR DOORS WITH OPTIONAL IMPACT-RESISTANT GLAZING ARE IMPACT-RESISTANT. OPTIONAL INJECTION-MOLDED POLYCARBONATE FRONT FRAME AND GLAZING IS GE LEXAN SLX2432T, AN APPROVED CC2 PLASTIC IN ACCORDANCE WITH IBC/FBC 2606 AND AN APPROVED C1 PLASTIC IN ACCORDANCE WITH FBC 2612. THE ENTIRE DOOR ASSEMBLY INSTALLED IN COMPLIANCE WITH THIS SECTION MEETS THE WIND LOAD REQUIREMENTS OF THE FLORIDA BUILDING CODE AND INTERNATIONAL BUILDING CODE AND IS LARGE- AND SMALL-MISSILE IMPACT RESISTANT.



**IMPACT-RESISTANT ASSEMBLY DETAILS
DRAWING 104761-A**

Mark Westerfield
6/9/13

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

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DESCRIPTION: 2" STEEL PAN DOORS 18'2" (SEE TABLE FOR MODELS)

DRAWN BY: SH DATE: 11/6/12 SCALE: NTS DWG. B

CHECKED BY: SH DATE: 11/8/12 SHEET 2 OF 4 SIZE B

DWG. NO.: 104761 VER: TDI

MANUFACTURING PRODUCT CODE
 PAN-2F143

PART NO.: N/A

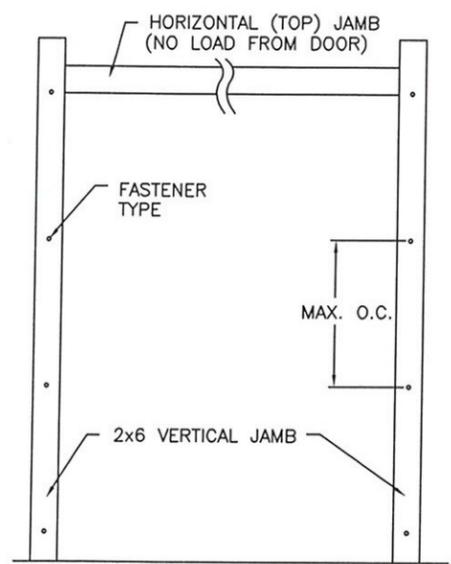
WINDLOAD RATING
 W6 DP36T

'CLASSIC' RAISED PANEL EMBOSS DOORS			
MODELS	24 GA	25 GA	24 GA
CLOPAY	84A, 94	73, 75	98
IDEAL	4RST	6RST	4F
HOLMES	48, 48B	42, 42B	--
	SHORT PANEL	FLUSH	

'CARRIAGE HOUSE' RAISED PANEL EMBOSS DOORS	
MODELS	25 GA
CLOPAY 'GALLERY'	GD5S, GR5S
HOLMES 'ARTISTRY'	AR5S
IDEAL 'CARRIAGE HOUSE'	ED5S
	SHORT PANEL

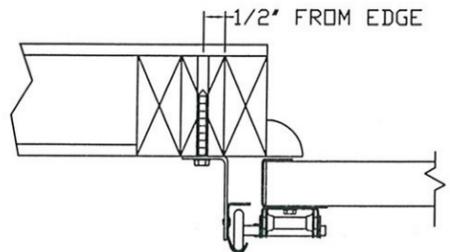
SHEET:
3 OF 4

REVISIONS					
REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
04	-	-	-	-	SEE REVISION HISTORY ON SHEET ONE.



IN THE CASE OF GYPSUM WALLBOARD LOCATED AT OR NEAR THE DOOR OPENING LOCATION THERE ARE TWO ACCEPTABLE ALTERNATIVES:

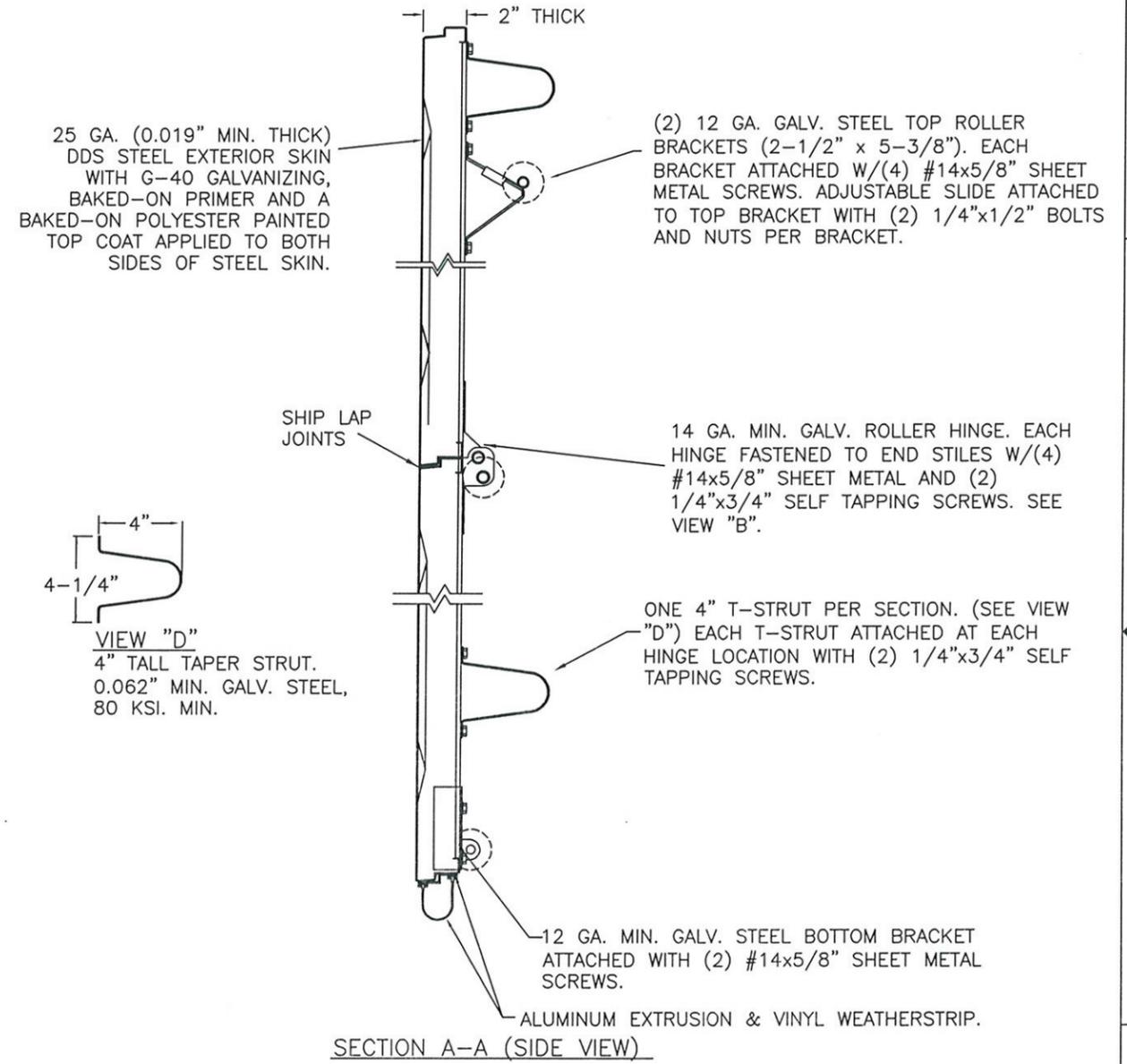
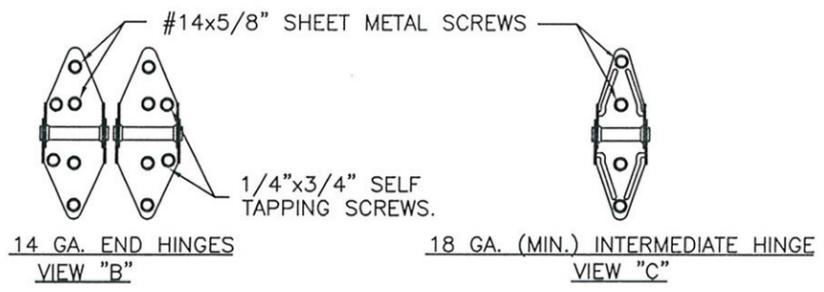
- 1) THE WALLBOARD CAN BE CUT AWAY FROM THE DOOR OPENING AND 2X6 SOUTHERN YELLOW PINE WOOD JAMBS MOUNTED DIRECTLY TO THE SUPPORTING STRUCTURE TO CREATE THE MOUNTING SURFACE. ALTERNATIVELY, THE BRACKETS MAY BE ATTACHED DIRECTLY TO THE SUPPORTING STRUCTURE. SEE DETAIL BELOW. THE CENTER OF SCREW HOLE MUST BE AT LEAST 1/2" FROM BOTH EDGES FOR A 5/16" LAG SCREW.
- 2) IF THE WALLBOARD IS NOT CUT AWAY TO EXPOSE THE UNDERLYING STRUCTURE (WOOD FRAMING MEMBERS), A 2X6 SOUTHERN YELLOW PINE WOOD BUCK OVER SHALL BE INSTALLED THE WALLBOARD FRAMING THE OPENING USING THE JAMB ATTACHMENT FASTENERS LISTED BELOW. HOWEVER, THE JAMB ATTACHMENT FASTENERS MUST BE OF A SUFFICIENT INCREASED LENGTH TO ACCOUNT FOR THE THICKNESS OF THE WALLBOARD TO ENSURE PROPER FASTENER EMBEDMENT INTO THE STRUCTURAL FRAMING MEMBERS OF THE SUPPORTING STRUCTURE.



VERTICAL JAMB ATTACHMENT (WOOD FRAME BUILDINGS):
3/8"x3" LAG SCREWS ON 19" CENTERS. 1-1/8" O.D. WASHER REQUIRED. LAG SCREWS MAY BE COUNTERSUNK (BUT NOT REQUIRED) TO PROVIDE A FLUSH MOUNTING SURFACE. HORIZONTAL JAMBS DO NOT TRANSFER LOAD.

VERTICAL JAMB ATTACHMENT (C-90 BLOCK OR 2,000 PSI MIN. CONCRETE COLUMN):
3/8"x3" SLEEVE ANCHOR BOLTS ON 10" CENTERS (2,000 PSI MIN. CONCRETE). WASHERS INCLUDED WITH SLEEVE ANCHORS.
OR
1/4"x3" TAPCON SCREWS ON 8" CENTERS (2,000 PSI MIN. CONCRETE) OR 5" CENTERS (C-90 BLOCK). 1" O.D. WASHERS REQUIRED WITH TAPCONS. ANCHORS MAY BE COUNTERSUNK (BUT NOT REQUIRED) TO PROVIDE A FLUSH MOUNTING SURFACE. HORIZONTAL JAMBS DO NOT TRANSFER LOAD.

OTHER JAMB CONFIGURATIONS: REFER TO DASMA TDS-161. A LICENSED DESIGN PROFESSIONAL MAY ALSO BE EMPLOYED TO APPROVE ALTERNATE FASTENERS AND/OR JAMB CONFIGURATIONS.



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Building Products Company
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MANUFACTURING PRODUCT CODE
PAN-2F143

PART NO.: N/A

WINDLOAD RATING
W6 DP36T

DESCRIPTION: 2" STEEL PAN DOORS 18'2" (SEE TABLE FOR MODELS)			
DRAWN BY: SH	DATE: 11/6/12	SCALE: NTS	DWG. SIZE B
CHECKED BY: SH	DATE: 11/8/12	SHEET 3 OF 4	
DWG. NO.: 104761	VER: TDI		

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

6/4/13

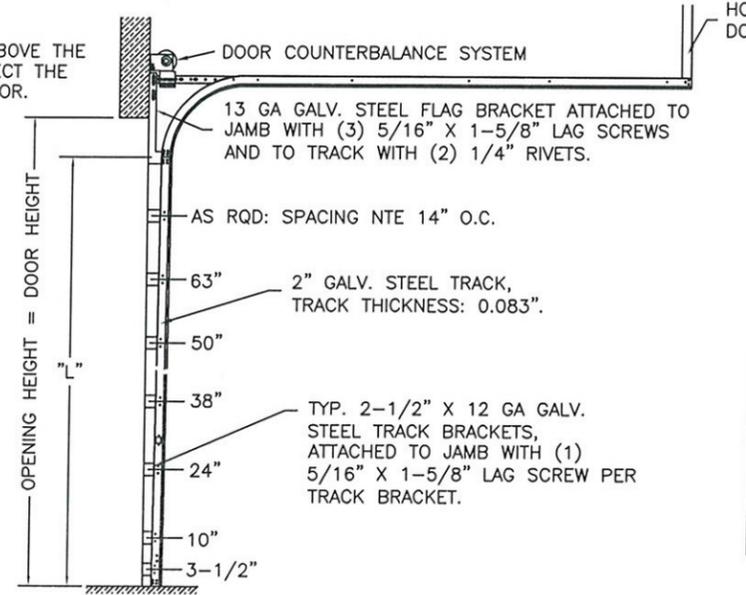
'CLASSIC' RAISED PANEL EMBOSS DOORS			
MODELS	24 GA	25 GA	24 GA
CLOPAY	84A, 94	73, 75	98
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HOLMES	48, 48B	42, 42B	--
	SHORT PANEL	FLUSH	

'CARRIAGE HOUSE' RAISED PANEL EMBOSS DOORS	
MODELS	25 GA
CLOPAY 'GALLERY'	GD5S, GR5S
HOLMES 'ARTISTRY'	AR5S
IDEAL 'CARRIAGE HOUSE'	ED5S
	SHORT PANEL

SHEET:
4 OF 4

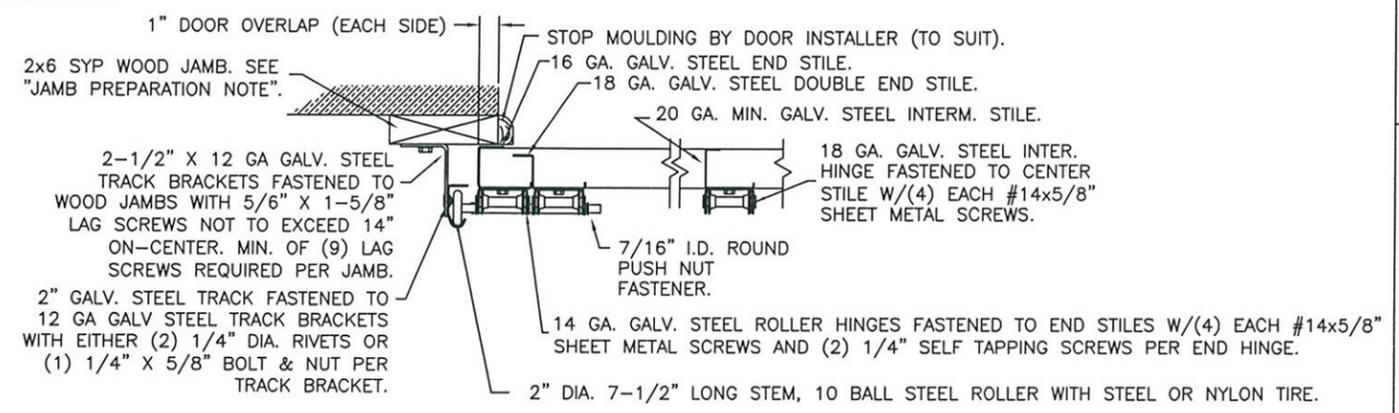
REVISIONS					
REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
04	-	-	-	-	SEE REVISION HISTORY ON SHEET ONE.

NOTE: TRACK CONFIGURATION ABOVE THE DOOR OPENING DOES NOT AFFECT THE WIND LOAD RATING OF THIS DOOR.



DOOR HEIGHT	"L"
6'-6"	70"
7'-0"	76"
7'-6"	82"
8'-0"	88"
8'-6"	94"
9'-0"	100"
9'-6"	106"
10'-0"	112"
10'-6"	118"
11'-0"	124"
11'-6"	130"
12'-0"	136"
12'-6"	142"
13'-0"	148"
13'-6"	154"
14'-0"	160"
14'-6"	166"
15'-0"	172"
15'-6"	178"
16'-0"	184"

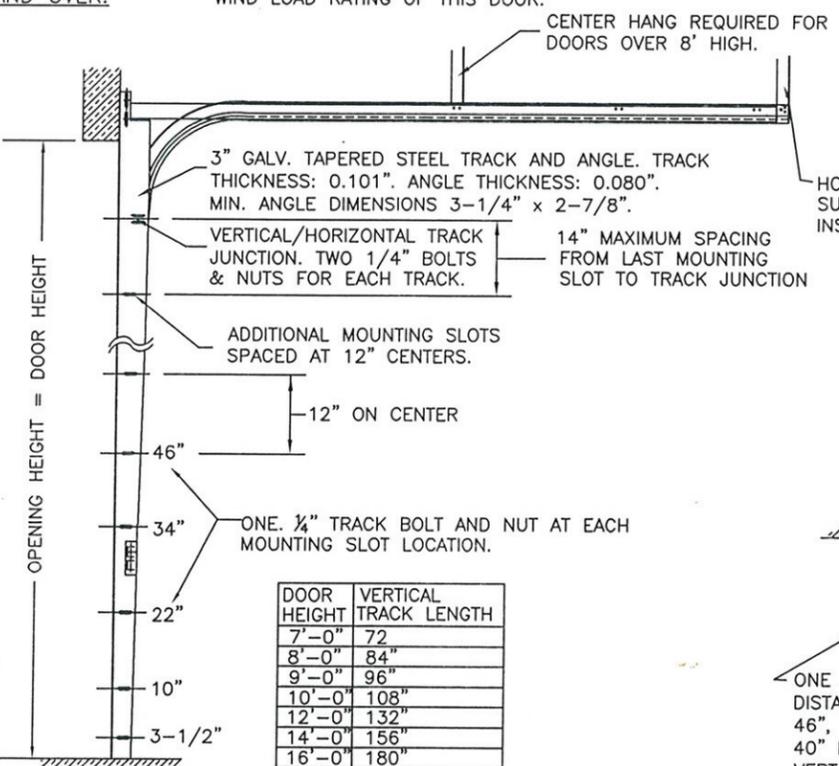
HORIZONTAL TRACK SUPPORT BY DOOR INSTALLER (TO SUIT).
JAMB CONFIGURATION DOORS UP TO 800 LBS.



2" TRACK CONFIGURATION DOORS UP TO 800 LBS.

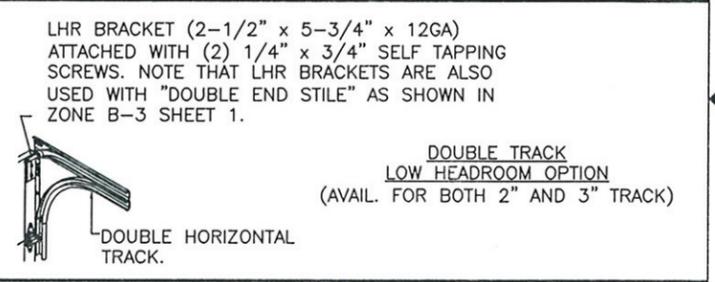
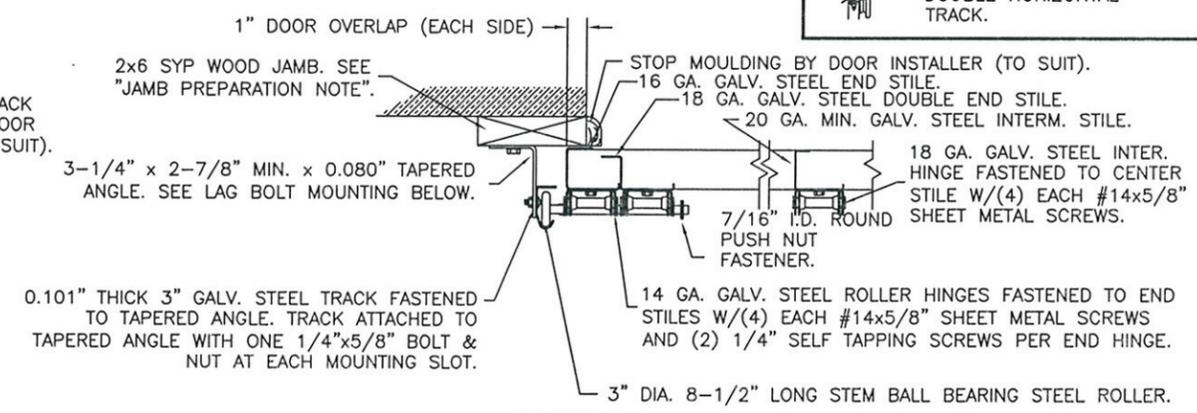
3" TRACK CONFIGURATION DOORS 800 LBS AND OVER.

NOTE: TRACK CONFIGURATION ABOVE THE DOOR OPENING DOES NOT AFFECT THE WIND LOAD RATING OF THIS DOOR.



DOOR HEIGHT	VERTICAL TRACK LENGTH
7'-0"	72"
8'-0"	84"
9'-0"	96"
10'-0"	108"
12'-0"	132"
14'-0"	156"
16'-0"	180"

JAMB CONFIGURATION DOORS 800 LBS AND OVER.



SECTION C-C
PREPARATION OF JAMBS BY OTHERS.

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MANUFACTURING PRODUCT CODE
PAN-2F143

PART NO.: N/A

WINDLOAD RATING
W6 DP36T

DESCRIPTION: 2" STEEL PAN DOORS 18"2" (SEE TABLE FOR MODELS)
DRAWN BY: SH DATE: 11/6/12 SCALE: NTS DWG. SIZE B
CHECKED BY: SH DATE: 11/8/12 SHEET 4 OF 4
DWG. NO.: 104761 VER: TDI

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