

'CLASSIC' RAISED PANEL EMBOSS DOORS			
MODELS	24 GA	25 GA	25 GA
CLOPAY	84A, 94	73, 75	76
IDEAL	4RST, 4F*	6RST	2RST
HOLMES	48, 48B	42, 42B	--
	SHORT PANEL	LONG PANEL	

* - MODEL 4F IS FLUSH

'CARRIAGE HOUSE' RAISED PANEL EMBOSS DOORS

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

'CARRIAGE HOUSE' RAISED PANEL SHORT EMBOSS DOORS

DOOR WIDTH	# OF INTERM. STILES	# OF INTERM. HINGES
5'0" TO 6'0"	1	1
6'2" TO 7'6"	2	2
7'8" TO 9'0"	3	3

'CLASSIC' RAISED PANEL EMBOSS DOORS						
SHORT PANEL			LONG PANEL			
DOOR WIDTH	# OF INTERM. STILES	# OF INTERM. HINGES	DOOR WIDTH	# OF STD INTERM. STILES	# OF COMM. INTERM. STILES	# OF INTERM. HINGES
4'2" TO 6'0"	1	1	8'0" TO 9'0"	1	2	3
6'2" TO 7'10"	2	2	SEE NOTE BELOW REGARDING EXTRA STILES ON LONG PANEL DOORS.			
8'0" TO 9'0"	3	3				

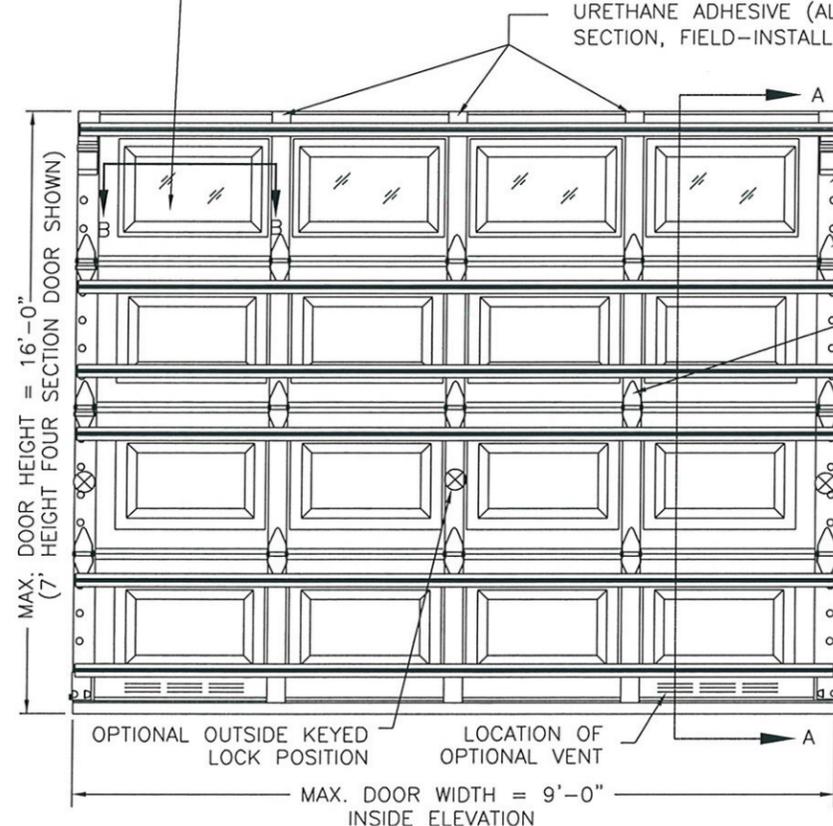
OPTIONAL IMPACT RESISTANT GLAZING. SEE SECTION B-B ON SHEET 2 FOR DETAILS. MAX. IMPACT RESISTANT GLAZING SIZE IS 18-1/2"x11".

SHORT PANEL/FLUSH MODELS: (1) INTERMEDIATE STILE BETWEEN EACH EMBOSS [(3) STILES PER SECTION AT 9'0" WIDE]. EACH INTERM. STILE ATTACHED WITH TOG-L-LOC (TOP & BOTTOM) AND URETHANE ADHESIVE (ALONG CENTER).
LONG PANEL MODELS: (3) TOTAL STILES PER SECTION AT 9'0" WIDE. (1) STANDARD INTERMEDIATE STILE BETWEEN EACH EMBOSS. EACH STANDARD INTERM. STILE ATTACHED WITH TOG-L-LOC (TOP & BOTTOM) AND URETHANE ADHESIVE (ALONG CENTER). (2) EXTRA INTERM. STILES PER SECTION, FIELD-INSTALLED WITH (4) #8 SMS (PER STILE).

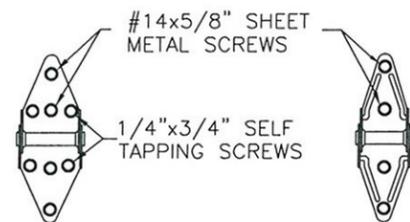
DOOR HEIGHT	# OF SECTIONS	# OF U-BARS
UP TO 7'0"	4	6
7'3" TO 8'9"	5	8
9'0" TO 10'6"	6	9
10'9" TO 12'3"	7	11
12'6" TO 14'0"	8	12
14'3" TO 15'9"	9	14
16'0"	10	15
MAX SECTION HEIGHT: 21'		

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.

DESIGN WIND SPEED (MPH)	130	140	150
EXPOSURE CATEGORY	B, C	B, C	B
MEAN ROOF HEIGHT	25'	15'	30'



'CLASSIC' SHORT RAISED-PANEL SHOWN. LONG 'CLASSIC' AND SHORT 'CARRIAGE HOUSE' ARE ALSO APPROVED.



14 GA. END HINGES 18 GA. INTERMEDIATE HINGE
VIEW "B" VIEW "C"

SHEET:		REVISIONS					
1 OF 4		REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
		16	-	8/8/14	-	SH	CLARIFIED STILE AND HINGE QTY.

EQUIVALENT SECTION CONSTRUCTION: FOR ANY OF THE SHORT-PANEL MODELS LISTED ON THIS DRAWING, THE FOLLOWING W-LEVEL DOORS USE EQUIVALENT SECTIONS (UP TO THE MAXIMUM WIDTH ALLOWED ON THIS DRAWING).
W6, W7, W8.
ANY OF THESE W-LEVELS MAY BE SHOWN ON THE OPTIONAL SHIPPING LABEL ON THE END STILE.

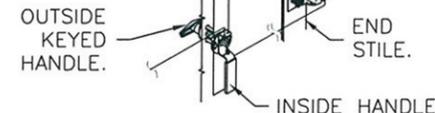
END STILES ATTACHED TO DOOR SKIN WITH PATENTED TOG-L-LOC SYSTEM (TOP, BOTTOM, & CENTER).

SEE END HINGE VIEW B.

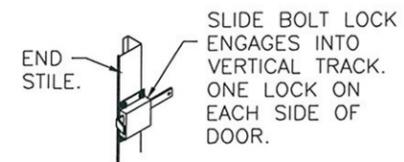
SEE INTERMED. HINGE VIEW C.

TWO POINT LOCKING INTO TRACK

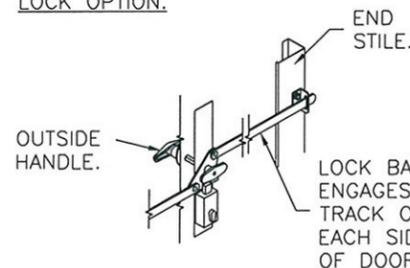
SNAP LATCH ENGAGES ONTO VERTICAL TRACK. ONE SNAP LATCH ON EACH SIDE OF DOOR.



OUTSIDE KEYPED LOCK WITH SNAP LATCH LOCK OPTION.



INSIDE SLIDE BOLT LOCK OPTION.



OUTSIDE KEYPED LOCK WITH LOCK BAR LOCKING.

STATE OF TEXAS
DESIGN ENGINEER:
MARK WESTERFIELD, P.E.
FLORIDA P.E. #48495, NC P.E. #23832, TEXAS P.E. #91513
8/12/14

DESIGN LOADS: +38.0 P.S.F. & -44.0 P.S.F.
TEST LOADS: +57.0 P.S.F. & -66.0 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
SHORT PANEL: PAN-2F153
LONG PANEL: PAN-2F156
PART NO.: N/A

WINDLOAD RATING
W6 DP38

DESCRIPTION: CLASSIC AND CH RP STEEL PAN SC +38/-44 PSF

DRAWN BY: MW	DATE: 3/15/95	SCALE: NTS	DWG. B
CHECKED BY: --	DATE: --	SHEET 1 OF 4	SIZE B
DWG. NO.: 101348	VER: TDI		

'CLASSIC' RAISED PANEL EMBOSS DOORS			
MODELS	24 GA	25 GA	25 GA
CLOPAY	84A, 94	73, 75	76
IDEAL	4RST, 4F*	6RST	2RST
HOLMES	48, 48B	42, 42B	--
	SHORT PANEL	LONG PANEL	

* - MODEL 4F IS FLUSH

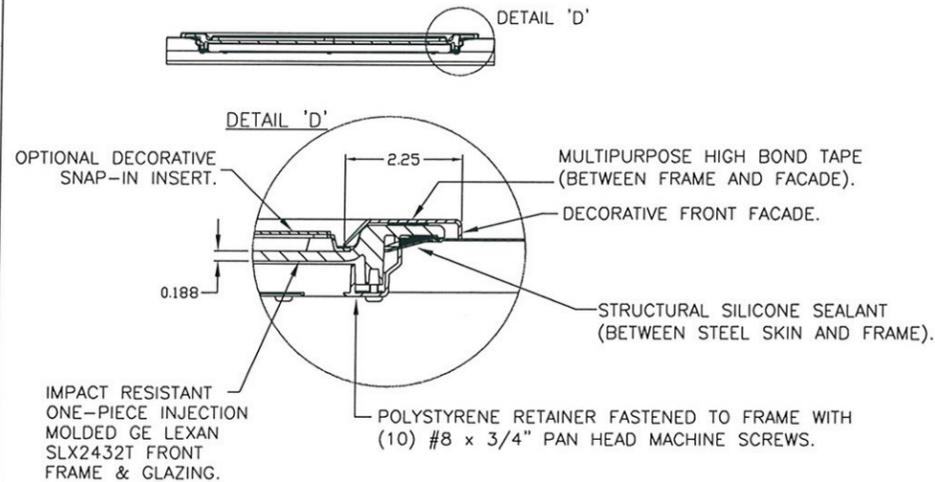
'CARRIAGE HOUSE' RAISED PANEL EMBOSS DOORS		
MODELS	25 GA	25 GA
CLOPAY 'GALLERY'	GD5S, GR5S	--
HOLMES 'ARTISTRY'	AR5S	--
IDEAL 'CARRIAGE HOUSE'	ED5S	--
	SHORT PANEL	LONG PANEL

SHEET:
2 OF 4

REVISIONS					
REV. NO.	ZONE	DATE	ECN NO.	APPVD:	DESCRIPTION
16	-	-	-	SH	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.

SECTION B-B (IMPACT-RESISTANT GLAZING OPTION)



**IMPACT-RESISTANT ASSEMBLY DETAILS
DRAWING 101348**

STATE OF TEXAS

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

DESIGN LOADS: +38.0 P.S.F. & -44.0 P.S.F.
 TEST LOADS: +57.0 P.S.F. & -66.0 P.S.F.

MANUFACTURING PRODUCT CODE
 SHORT PANEL: PAN-2F153
 LONG PANEL: PAN-2F156
 PART NO.: N/A

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

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

WINDLOAD RATING
W6 DP38

DESCRIPTION: CLASSIC AND CH RP STEEL PAN SC +38/-44 PSF
 DRAWN BY: MW DATE: 3/15/95 SCALE: NTS DWG. B
 CHECKED BY: -- DATE: -- SHEET 2 OF 4 SIZE B
 DWG. NO.: 101348 VER: TDI

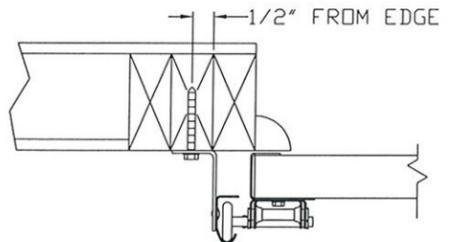
'CLASSIC' RAISED PANEL EMBOSS DOORS				'CARRIAGE HOUSE' RAISED PANEL EMBOSS DOORS		
MODELS	24 GA	25 GA	25 GA	MODELS	25 GA	25 GA
CLOPAY	84A, 94	73, 75	76	CLOPAY 'GALLERY'	GD5S, GR5S	--
IDEAL	4RST, 4F*	6RST	2RST	HOLMES 'ARTISTRY'	AR5S	--
HOLMES	48, 48B	42, 42B	--	IDEAL 'CARRIAGE HOUSE'	ED5S	--
	SHORT PANEL	LONG PANEL			SHORT PANEL	LONG PANEL

* - MODEL 4F IS FLUSH

SHEET: 3 OF 4	REVISIONS					
REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION	
16	-	-	-	-	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.



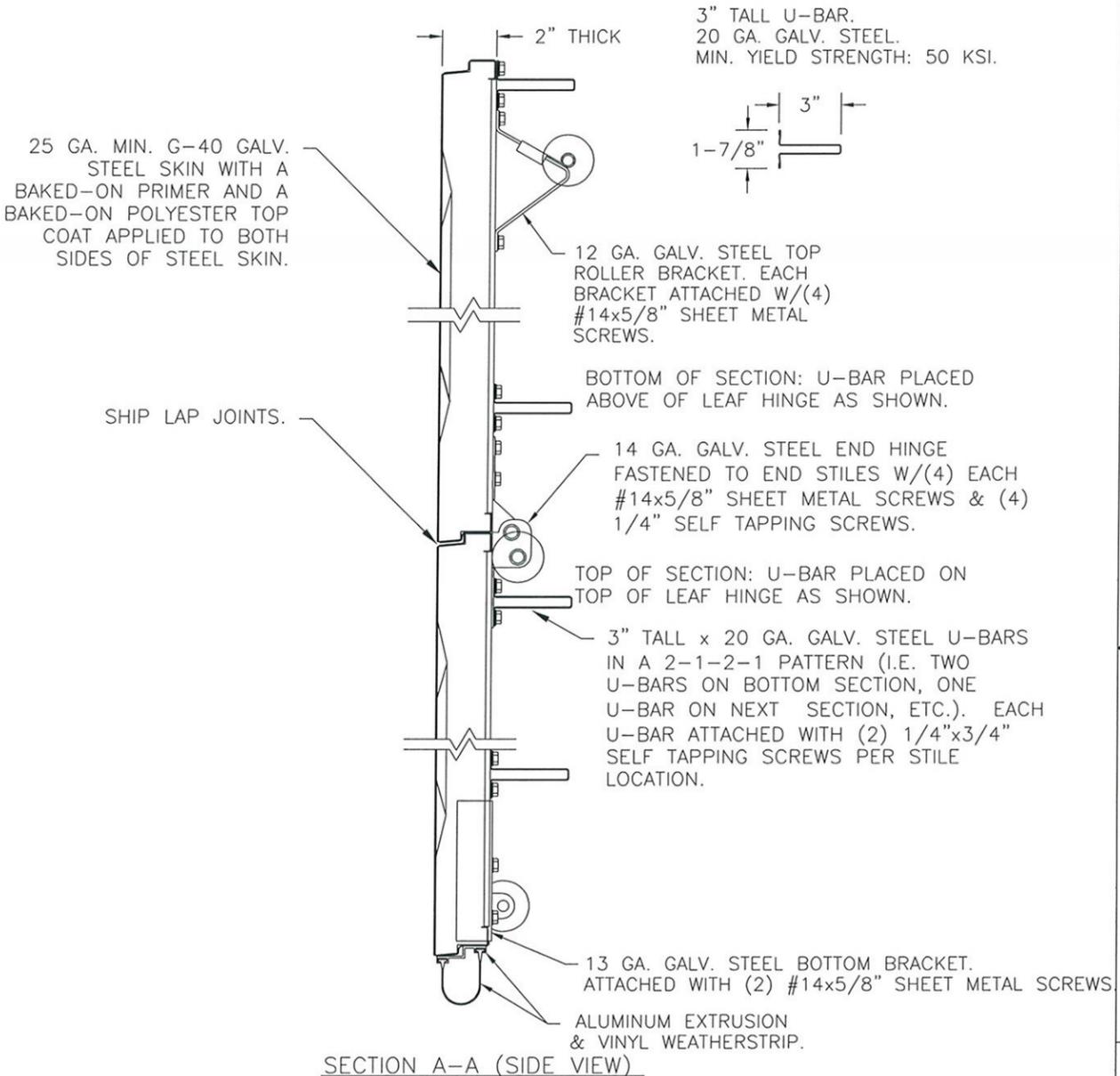
VERTICAL JAMB ATTACHMENT (WOOD FRAME BUILDINGS):
 3/8"x3" LAG SCREWS ON 24" CENTERS. 1-1/8" MIN. O.D. WASHER REQUIRED. LAG SCREWS MAY BE COUNTERSUNK (BUT NOT REQUIRED) TO PROVIDE A FLUSH MOUNTING SURFACE. HORIZONTAL JAMBS DO NOT TRANSFER LOAD.

VERTICAL JAMB ATTACHMENT (C-90 BLOCK OR 2,000 PSI MIN. CONCRETE COLUMN):
 3/8"x3" SLEEVE ANCHOR BOLTS ON 22" CENTERS (2,000 PSI MIN. CONCRETE). WASHERS INCLUDED WITH SLEEVE ANCHORS.
 OR
 1/4"x3" TAPCON SCREWS ON 19" CENTERS (2,000 PSI MIN. CONCRETE) OR 10" CENTERS (C-90 BLOCK). 1" MIN. 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.

SEE ADDITIONAL DETAILS IN "CONNECTING JAMB TO EXISTING STRUCTURES" JAMB FASTENER ANALYSIS CBPC-JFA-0001 (AVAILABLE ON TDI WEBSITE OR FROM MANUFACTURER).

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 THE DRAWING.



SECTION A-A (SIDE VIEW)

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

Professional Engineer Seal: MARK WESTERFIELD, P.E., #91513, State of Texas, dated 8/12/14.

DESIGN LOADS: +38.0 P.S.F. & -44.0 P.S.F.
 TEST LOADS: +57.0 P.S.F. & -66.0 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
 SHORT PANEL: PAN-2F153
 LONG PANEL: PAN-2F156
 PART NO.: N/A

WINDLOAD RATING
W6 DP38

DESCRIPTION: CLASSIC AND CH RP STEEL PAN SC +38/-44 PSF			
DRAWN BY: MW	DATE: 3/15/95	SCALE: NTS	DWG. SIZE: B
CHECKED BY: --	DATE: --	SHEET 3 OF 4	VER: TDI
DWG. NO.: 101348			

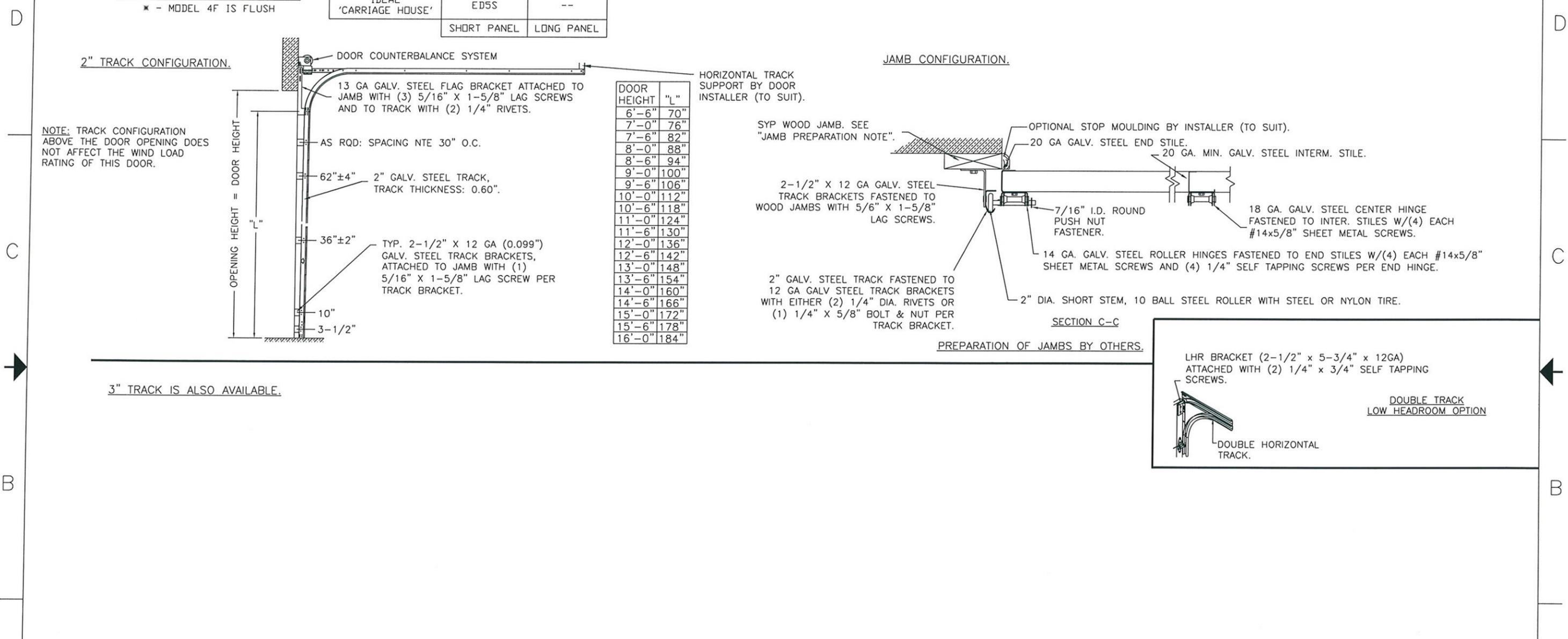
'CLASSIC' RAISED PANEL EMBOSS DOORS			
MODELS	24 GA	25 GA	25 GA
CLOPAY	84A, 94	73, 75	76
IDEAL	4RST, 4F*	6RST	2RST
HOLMES	48, 48B	42, 42B	--
	SHORT PANEL	LONG PANEL	

* - MODEL 4F IS FLUSH

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

SHEET:
4 OF 4

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



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"

3" TRACK IS ALSO AVAILABLE.

Mark Westerfield 8/12/14

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

DESIGN LOADS: +38.0 P.S.F. & -44.0 P.S.F.
TEST LOADS: +57.0 P.S.F. & -66.0 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
SHORT PANEL: PAN-2F153
LONG PANEL: PAN-2F156
PART NO.: N/A

WINDLOAD RATING
W6 DP38

DESCRIPTION: CLASSIC AND CH RP STEEL PAN SC +38/-44 PSF			
DRAWN BY: MW	DATE: 3/15/95	SCALE: NTS	DWG. SIZE: B
CHECKED BY: --	DATE: --	SHEET 4 OF 4	
DWG. NO.: 101348	VER: TDI		