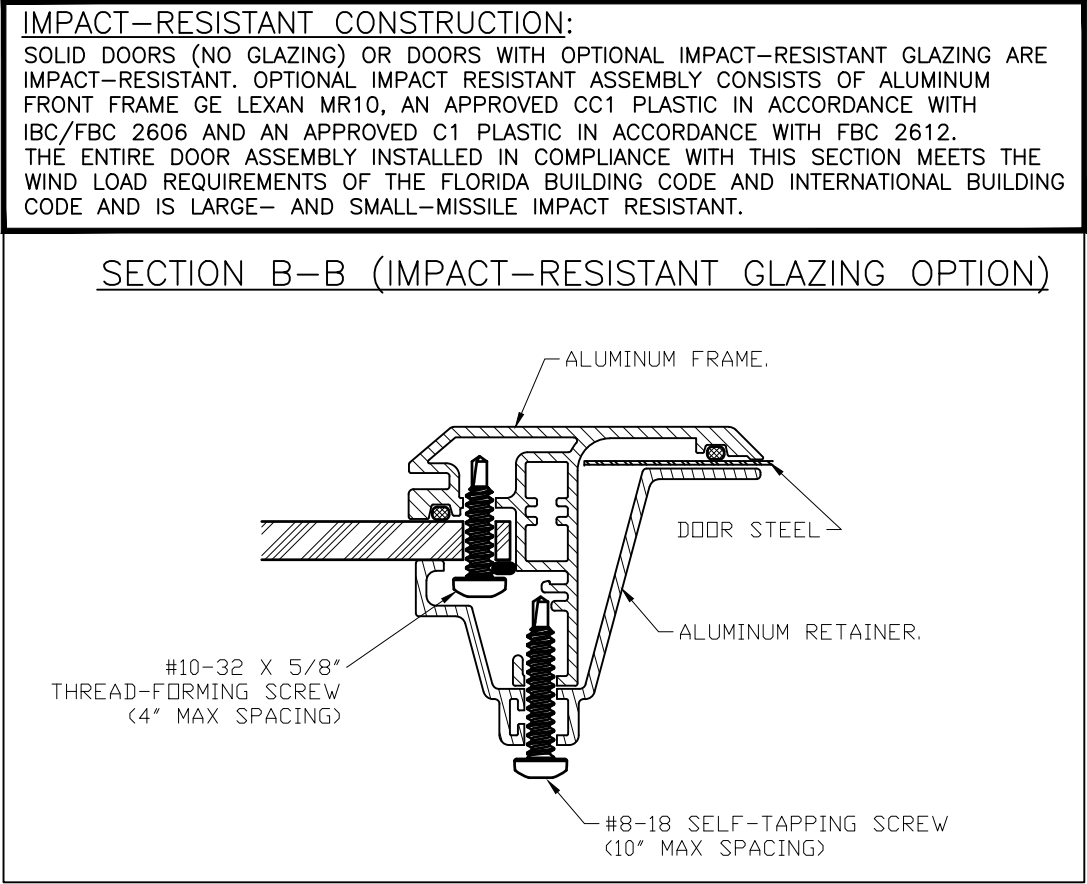
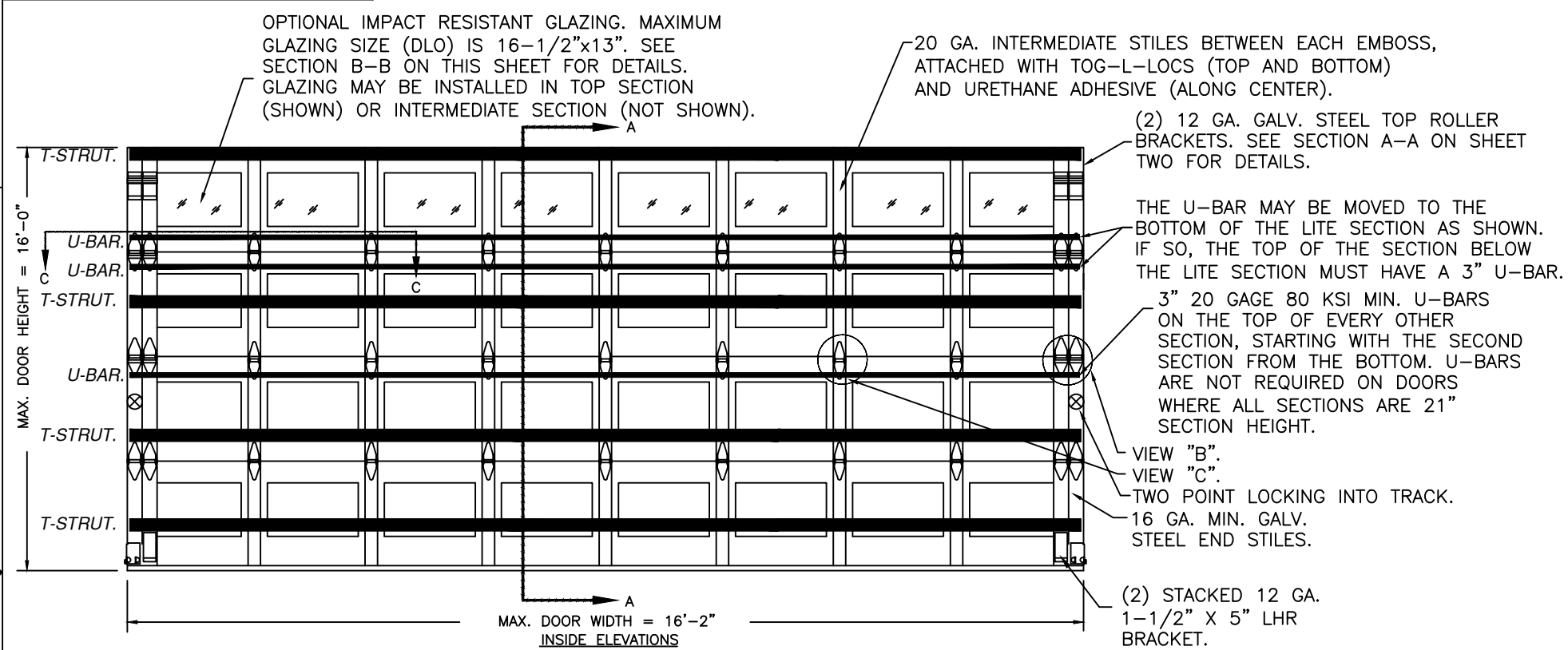


MODELS	SHORT
CLOPAY GALLERY	GD4S, GR4S
HOLMES ARTISTRY	AR4S
IDEAL EXPRESSIONS	ED4S
SEE SHEET 4 FOR "GRAND HARBOR" MODELS	

SHEET: 1 OF 4		REVISIONS				
REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION	
06	-	6/7/17	-	SH	REMOVED GHRVnn MODEL FROM GRAND HARBOR PAGE	
07	-	8/6/20	-	SH	UPDATED TITLE BLOCK AND REMOVED WIND CHART	
08	-	10/3/25	-	DH	REVISED IMPACT RESISTANT GLAZING DETAILS	

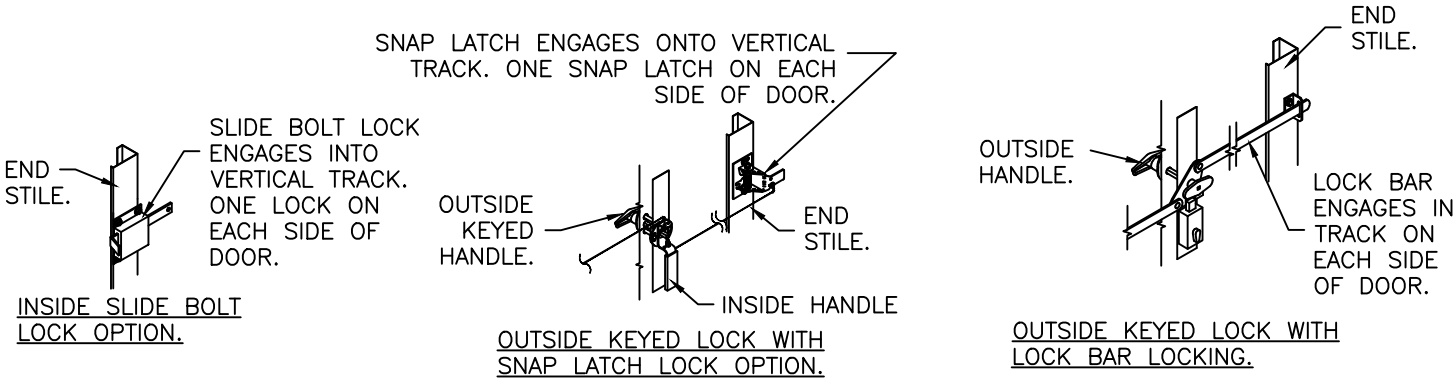


DOOR HEIGHT	# OF SECTIONS
UP TO 8'0"	4
8'3" TO 10'0"	5
10'3" TO 12'0"	6
12'3" TO 14'0"	7
14'3" TO 16'0"	8
MAX SECTION HEIGHT: 24"	

JAMES D. WHEELER
LICENSE
No. 91932
STATE OF FLORIDA
PROFESSIONAL ENGINEER

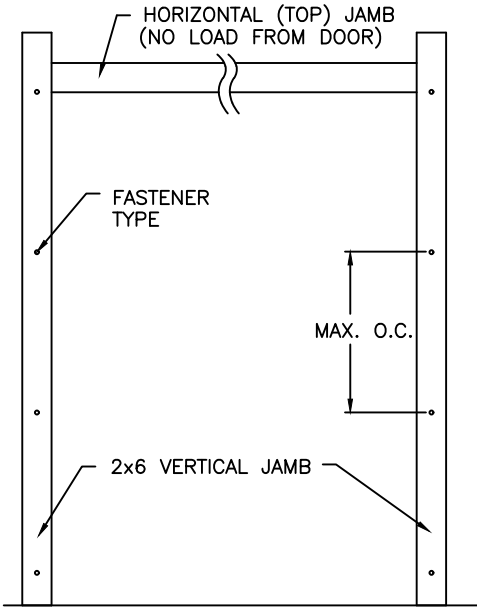
Digitally signed by Jim Wheeler
Date: 2025.10.17 09:45:50 -04'00'

DESIGN ENGINEER:
JAMES D WHEELER, P.E.
FLORIDA LICENSE No. 91932



DESIGN LOADS: +46.0 P.S.F. & -52.0 P.S.F. TEST LOADS: +69.0 P.S.F. & -78.0 P.S.F.		MANUFACTURING PRODUCT CODE PAN-2F443	
Unless Stated Otherwise TOLERANCES are .0 = ±.031 .00 = ±.015 .000 = ±.005 .0000 = ±.001 Degrees = ±1/2° Unless Stated Otherwise DIMENSIONS ARE IN INCHES.		PART NO.: N/A	
Clopay CORPORATION 8585 Duke Boulevard Mason, OH 45040 USA Tel. No. 513-770-4800 Fax No. 513-770-4853		WINDLOAD RATING W8 DP46T	
DESCRIPTION: 2" GALLERY PAN DOORS 16'2"W (SEE TABLE)		SCALE: NTS	
DRAWN BY: SH		DATE: 5/1/13	
CHECKED BY: SH		DATE: 5/1/13	
DWG. NO.: 104791		VER: IBC	
SHEET 1 OF 4		DWG. SIZE B	

MODELS	SHORT
CLOPAY GALLERY	GD4S, GR4S
HOLMES ARTISTRY	AR4S
IDEAL EXPRESSIONS	ED4S
SEE SHEET 4 FOR "GRAND HARBOR" MODELS	



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. EACH VERTICAL JAMB SEES A MAXIMUM DESIGN LOAD OF +368 LB & -416 LB. PER LINEAR FOOT OF JAMB.
 3. ALL JAMB FASTENERS MAY BE (BUT ARE NOT REQUIRED TO BE) COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
 4. A 1/3 STRESS INCREASE FOR WIND LOAD WAS NOT USED IN THE CALCULATION OF ALLOWABLE LOADS FOR ANCHORS AND FASTENERS FOR STEEL, CONCRETE AND MASONRY.

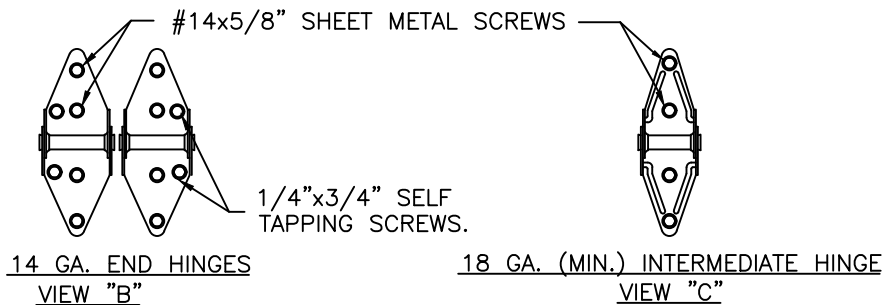
PREPARATION OF JAMBS BY OTHERS

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.

2x6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT (NOT TO BE USED FOR ATTACHMENT OF TRACK ANGLE TO 2x6 VERTICAL JAMBS OR SUPPORTING STRUCTURE)

BUILDING TYPE	FASTENER TYPE	MAXIMUM ON-CENTER DISTANCE BETWEEN FASTENERS*	STEEL WASHERS REQUIRED?
HOLLOW CMU BLOCK WALL	1/4" x 1-1/4" MIN. EMBED ULTRACON CONCRETE ANCHOR	4-1/2"	1" O.D.
GROUT-FILLED CMU BLOCK	1/4" x 1-3/4" MIN. EMBED ULTRACON CONCRETE ANCHOR	7-1/2"	1" O.D.
2000 PSI MIN. CONCRETE	1/4" x 1" MIN. EMBED ULTRACON CONCRETE ANCHOR	6-1/4"	1" O.D.
2000 PSI MIN. CONCRETE	1/4" x 1" MIN. EMBED TAPCON CONCRETE ANCHOR	3-1/2"	1" O.D.
2000 PSI MIN. CONCRETE	3/8" x 1-3/4" MIN. EMBED WEJ-IT ANKR TITE SLEEVE ANCHOR	13-1/2"	INCLUDED
4000 PSI MIN. CONCRETE	3/8" x 1-3/4" MIN. EMBED WEJ-IT ANKR TITE SLEEVE ANCHOR	24"	INCLUDED
WOOD FRAME (SYP 0.55 SG)	1/2" x 3" LAG SCREW (ASTM A307, GRADE A) 1-5/8" EMBED INTO STRUCTURE	14-3/4"	1" O.D.

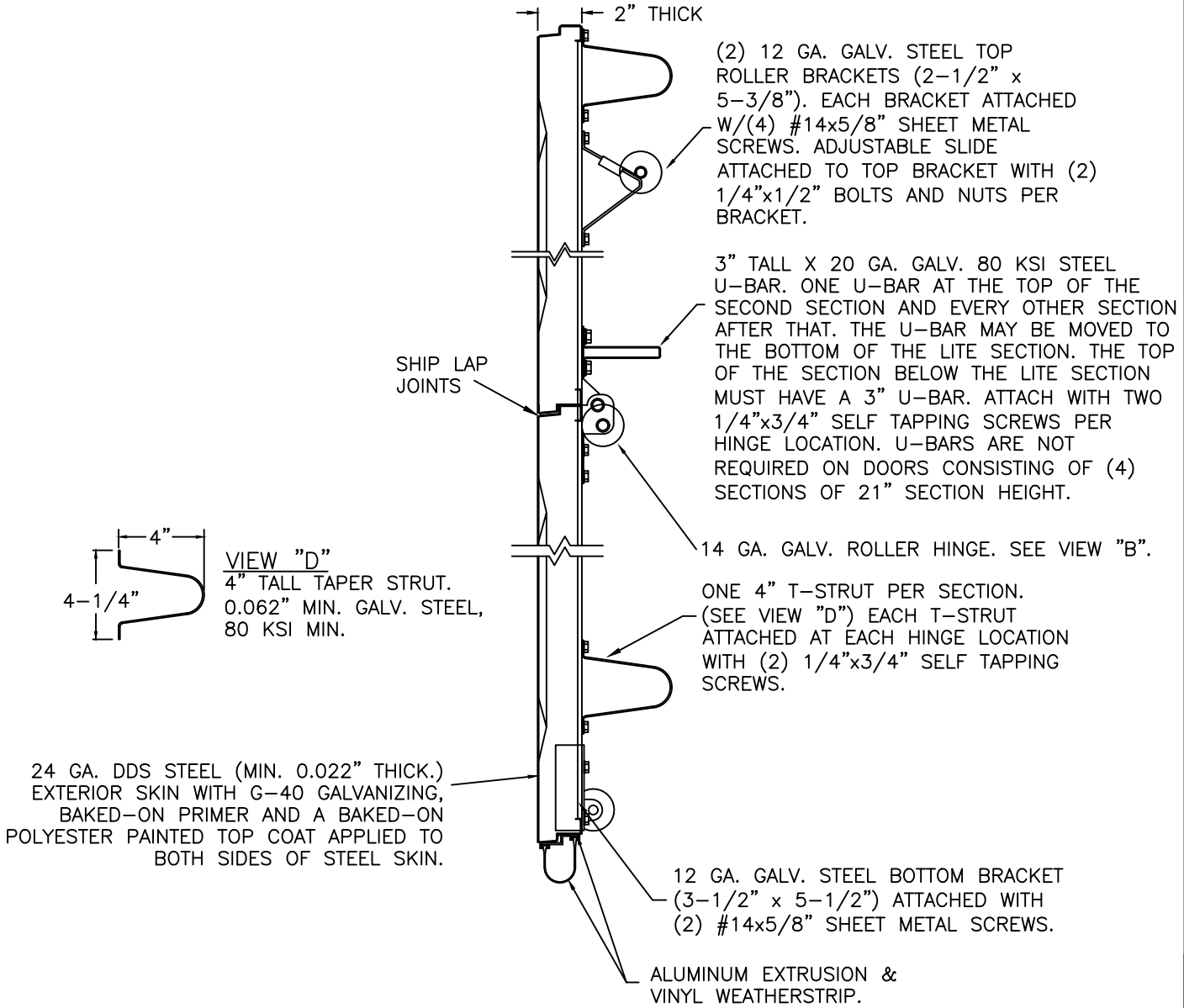
* FIRST (BOTTOM) ANCHOR STARTING AT NO MORE THAN HALF OF THE MAXIMUM ON-CENTER DISTANCE. HIGHEST ANCHOR INSTALLED AT LEAST AS HIGH AS THE DOOR OPENING.
CLOPAY DOES NOT SUPPLY JAMB ATTACHMENT FASTENERS.
MINIMUM DISTANCE BETWEEN CENTER OF ANCHOR AND EDGE OF CONCRETE BLOCK: 2-1/2", EXCLUDING STUCCO THICKNESS.



DESIGN ENGINEER:
JAMES D WHEELER, P.E.
FLORIDA LICENSE No. 91932

SHEET:
2 OF 4

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



SECTION A-A (SIDE VIEW)

DESIGN LOADS: +46.0 P.S.F. & -52.0 P.S.F.
TEST LOADS: +69.0 P.S.F. & -78.0 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
CORPORATION

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

DESCRIPTION: 2" GALLERY PAN DOORS 16'2"W (SEE TABLE)

DRAWN BY: SH

DATE: 5/1/13

SCALE: NTS

DWG. SIZE B

CHECKED BY: SH

DATE: 5/1/13

SHEET 2 OF 4

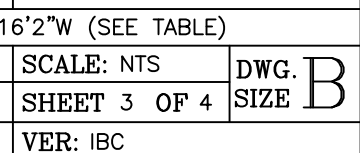
DWG. NO.: 104791

VER: IBC

MANUFACTURING PRODUCT CODE
PAN-2F443

PART NO.: N/A

WINDLOAD RATING
W8 DP46T

AA

2 FLORIDA PRODUCT APPROVAL 16546

4 3
CLOPAY 'GRAND HARBOR' SERIES: GHnn, GHRnn, GHRVnn

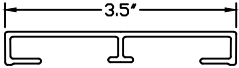
IDEAL 'STONE MANOR' SERIES: SMnn

NOTE: "nn" REPRESENTS THE ARRANGEMENT OF THE DECORATIVE OVERLAYS. THE FIRST DIGIT WILL HAVE A VALUE FROM 1 TO 2 AND THE SECOND DIGIT WILL HAVE A VALUE FROM 1 TO 3.

SHEET:		REVISIONS					
4 OF 4		REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
		08	—	—	—	SH	SEE REVISION HISTORY ON SHEET ONE.

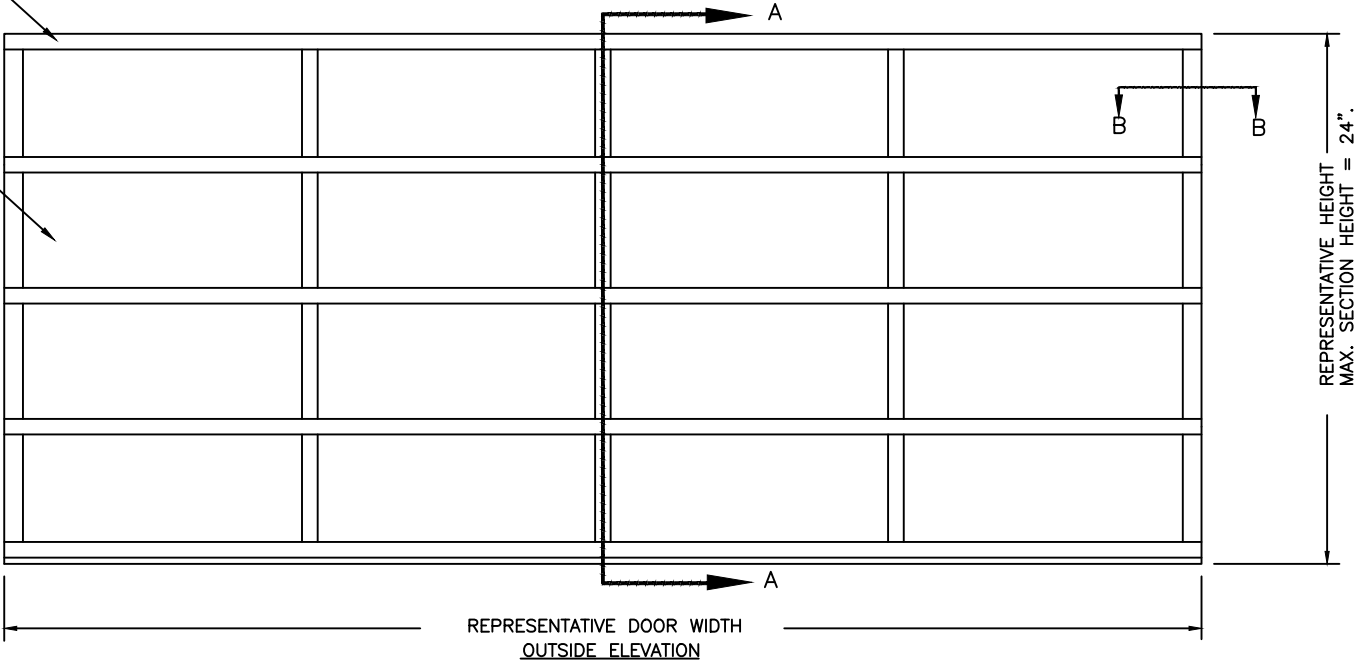
DECORATIVE OVERLAYS OF
PULTRUDED POLYESTER RESIN
FIBERGLASS ADHERED TO
OUTSIDE SKIN WITH PERMANENT
ADHESIVE.

WOOD-GRAIN EMBOSSED
STEEL PAN DOOR SKIN.



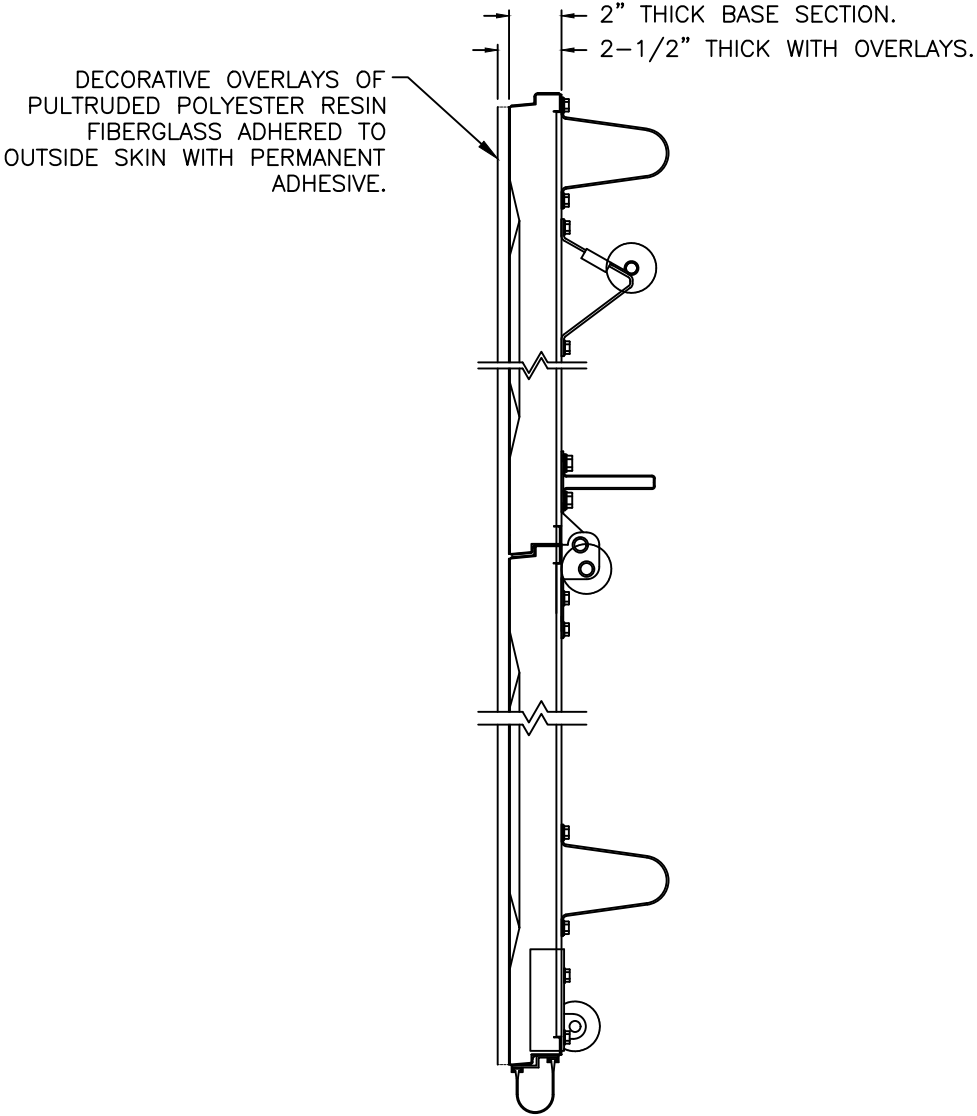
DECORATIVE OVERLAYS MAY BE
HORIZONTAL, VERTICAL, AND
DIAGONAL (DIAGONAL NOT
SHOWN).

SECTION B-B (OVERLAY DETAIL)



"GRAND HARBOR" TYPE OVERLAY DOORS

- NOTES:
- "GRAND HARBOR" TYPE DOORS USE THE SAME REINFORCEMENTS AND BASE SECTION CONSTRUCTION AND TRACK CONFIGURATION DESCRIBED ON SHEETS 1-3 OF THIS DRAWING.
 - "GRAND HARBOR" TYPE DOORS ARE IMPACT RESISTANT AS SOLID DOORS ONLY.



SECTION A-A (SIDE VIEW)

DESIGN ENGINEER:
JAMES D WHEELER, P.E.
FLORIDA LICENSE No. 91932

DESIGN LOADS: +46.0 P.S.F. & -52.0 P.S.F.

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DWG.
SIZE B

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SHEET 4 OF 4

DWG. NO.: 104791

VER: IBC

MANUFACTURING PRODUCT CODE
SPD-2F449

PART NO.: N/A

WINDLOAD RATING
W8 DP46T