

A2

D

## C

A circular professional engineer seal for Scott Hamilton. The outer ring contains the text "SCOTT HAMILTON" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside this ring, the word "LICENSE" is at the top and "STATE OF FLORIDA" is at the bottom, also separated by two stars. In the center of the seal, the license number "No 63286" is printed. A blue ink signature is written across the right side of the seal.

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4

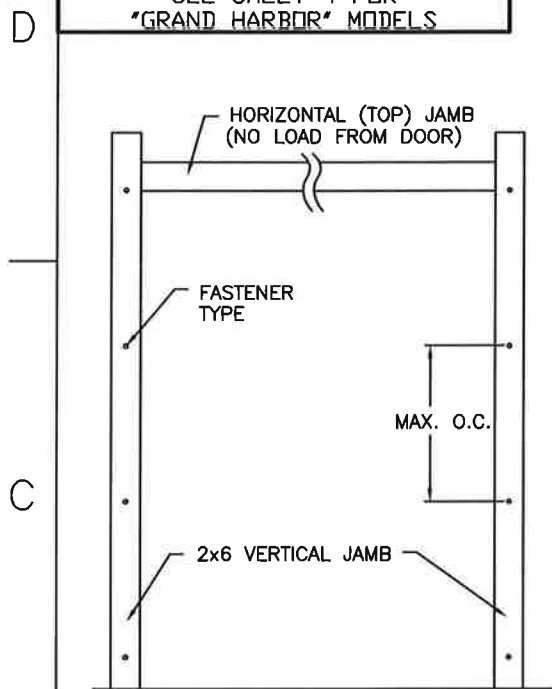


VER: IBC

2 FLORIDA PRODUCT APPROVAL 16546

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

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



C

B

A

### JAMB TO SUPPORTING STRUCTURE ATTACHMENT

- NOTES:**
- 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.
  - EACH VERTICAL JAMB SEES A MAXIMUM DESIGN LOAD OF +368 LB & -416 LB. PER LINEAR FOOT OF JAMB.
  - ALL JAMB FASTENERS MAY BE (BUT ARE NOT REQUIRED TO BE) COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
  - 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.

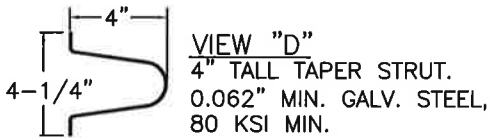
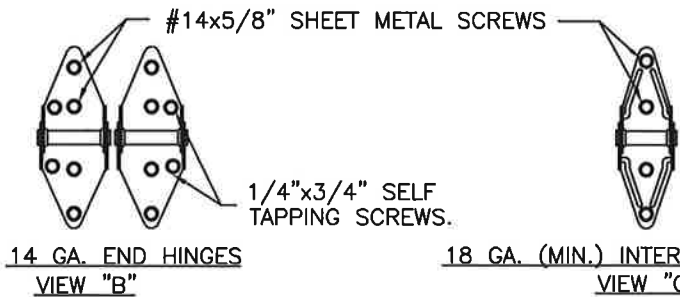
### 2x6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT (NOT TO BE USED FOR ATTACHMENT OF TRACK ANGLE TO 2x6 VERTICAL JAMBS OR SUPPORTING STRUCTURE)

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.

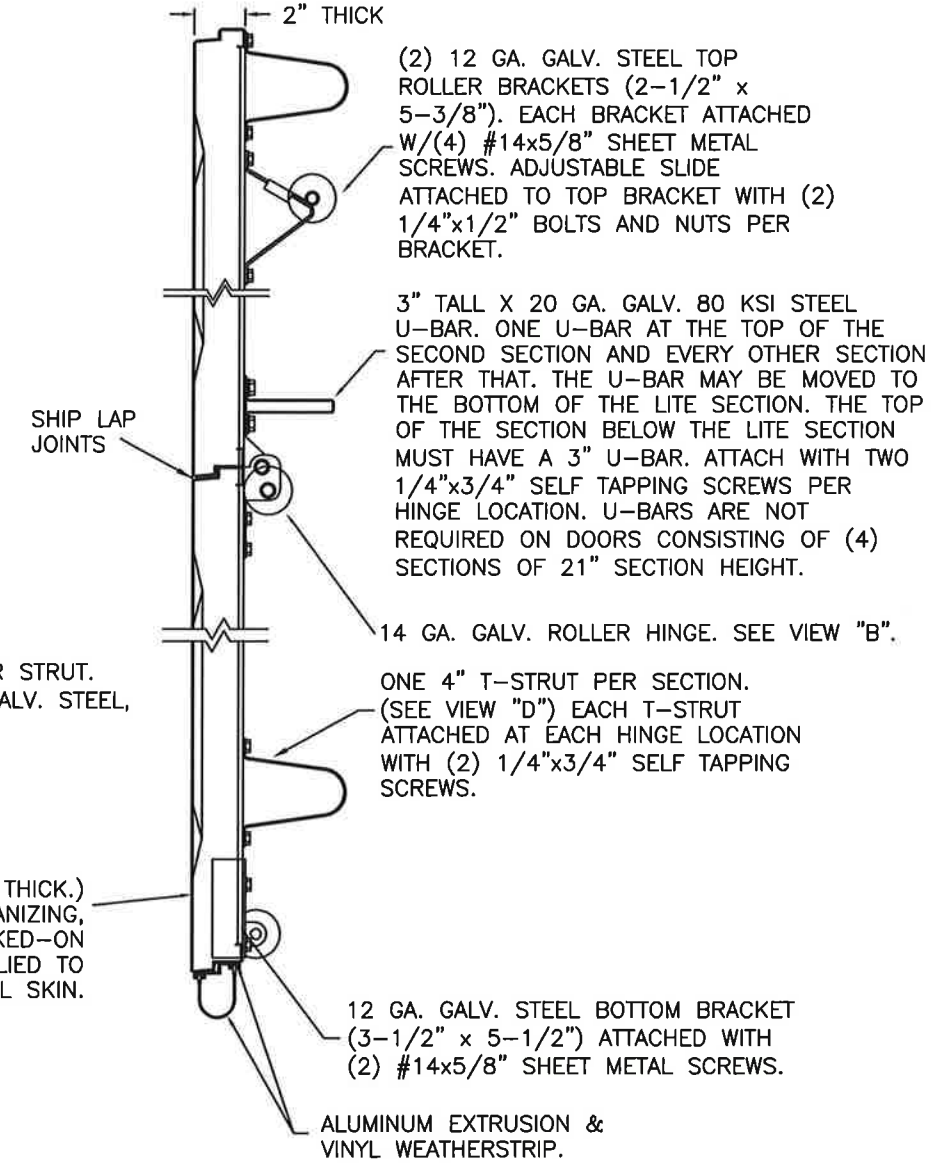
\* FIRST (BOTTOM) ANCHOR STARTING AT NO MORE THAN HALF OF THE MAXIMUM ON-CENTER DISTANCE. HIGHEST ANCHOR INSTALLED AT LEAST AS HIGH AS THE DOOR OPENING.  
CLOPAY DOES NOT SUPPLY JAMB ATTACHMENT FASTENERS.  
MINIMUM DISTANCE BETWEEN CENTER OF ANCHOR AND EDGE OF CONCRETE BLOCK: 2-1/2", EXCLUDING STUCCO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



DESIGN ENGINEER:  
SCOTT HAMILTON, P.E.  
FLORIDA LICENSE No. 63286



24 GA. DDS STEEL (MIN. 0.022" THICK.)  
EXTERIOR SKIN WITH G-40 GALVANIZING,  
BAKED-ON PRIMER AND A BAKED-ON  
POLYESTER PAINTED TOP COAT APPLIED TO  
BOTH SIDES OF STEEL SKIN.



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. B
CHECKED BY: SH	DATE: 5/1/13	SHEET 2 OF 4	SIZE B
DWG. NO.: 104791	VER: IBC		

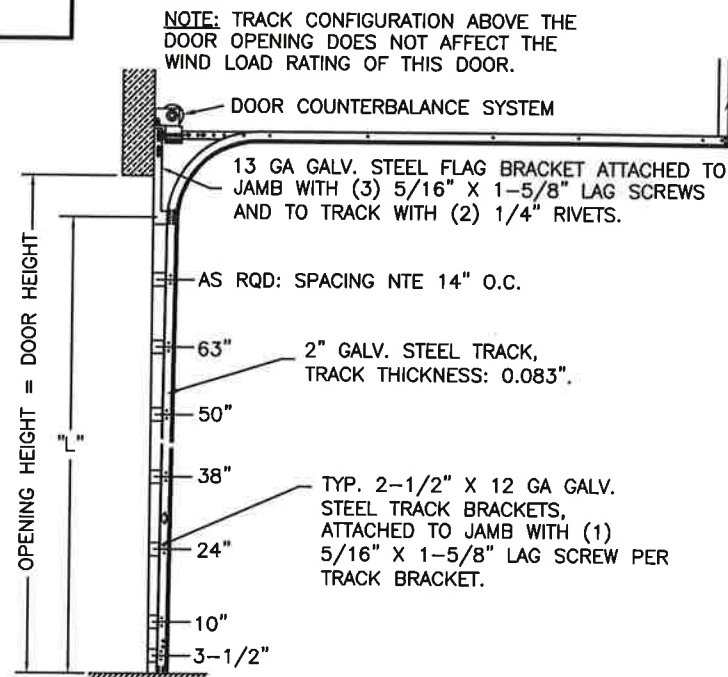
2 FLORIDA PRODUCT APPROVAL 16546

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

SHEET:  
3 OF 4

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

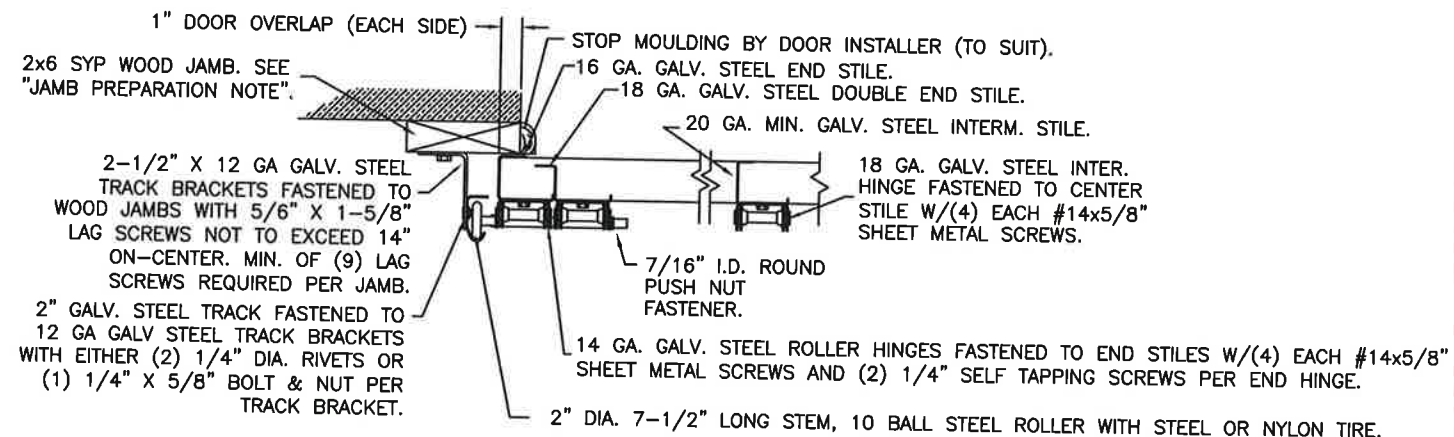
### 2" TRACK CONFIGURATION DOORS UP TO 800 LBS.



HORIZONTAL TRACK  
SUPPORT BY DOOR  
INSTALLER (TO SUIT).

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"

### JAMB CONFIGURATION DOORS UP TO 800 LBS.



### SECTION C-C

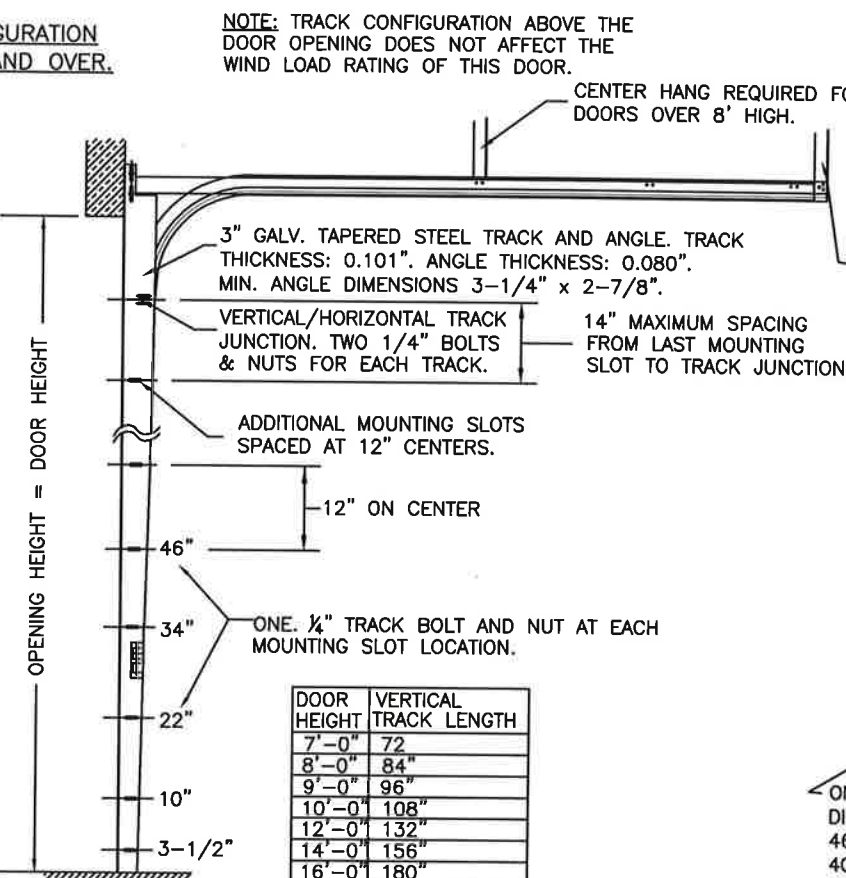
### PREPARATION OF JAMBS BY OTHERS.

LHR BRACKET (2-1/2" x 5-3/4" x 12GA)  
ATTACHED WITH (2) 1/4" x 3/4" SELF TAPPING  
SCREWS. NOTE THAT LHR BRACKETS ARE ALSO  
USED WITH "DOUBLE END STILE" AS SHOWN IN  
ZONE B-3 SHEET 1.

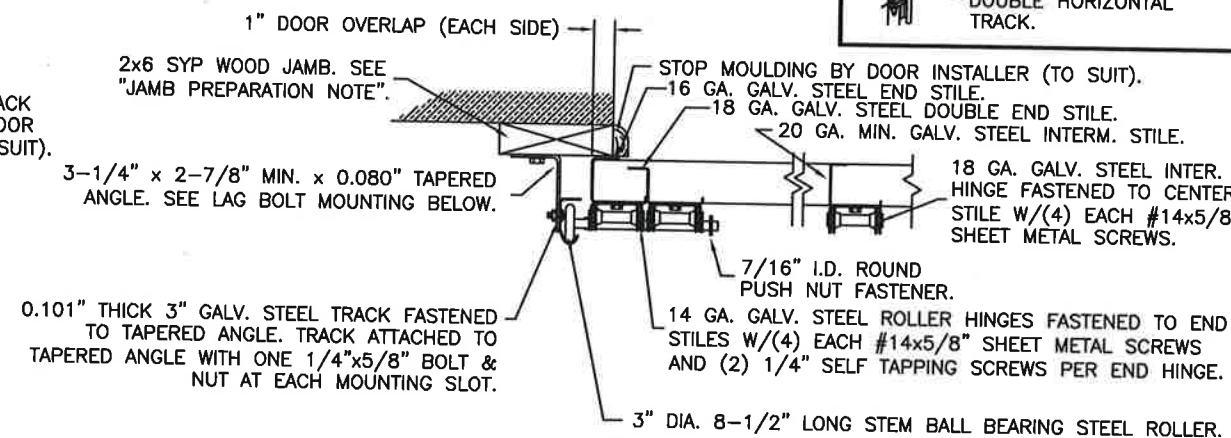
DOUBLE TRACK  
LOW HEADROOM OPTION  
(AVAIL. FOR BOTH 2" AND 3" TRACK)



### 3" TRACK CONFIGURATION DOORS 800 LBS AND OVER.



### JAMB CONFIGURATION DOORS 800 LBS AND OVER.



### SECTION C-C

### PREPARATION OF JAMBS BY OTHERS.

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DRAWN BY: SH

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SCALE: NTS

DWG. SIZE  
B

CHECKED BY: SH

DATE: 5/1/13

SHEET 3 OF 4

DWG. NO.: 104791

VER: IBC



DESIGN ENGINEER:  
SCOTT HAMILTON, P.E.  
FLORIDA LICENSE No. 63286

ONE 5/16" x 1-5/8" LAG SCREW SPACED AT THE SAME  
DISTANCES AS THE TRACK BOLTS (I.E. 3-1/2", 10", 22", 34",  
46", ETC.). ADDITIONAL LAG SCREWS LOCATED AT 16", 28", &  
40" FROM BOTTOM. TWO LAG SCREWS ALSO LOCATED ABOVE  
VERTICAL/HORIZONTAL TRACK JUNCTION.

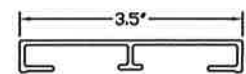
CLOPAY 'GRAND HARBOR' SERIES: GHnn, GHRnn, GHRVnn

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:  
4 OF 4

REVISIONS					
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07	-	-	-	SH	SEE REVISION HISTORY ON SHEET ONE.

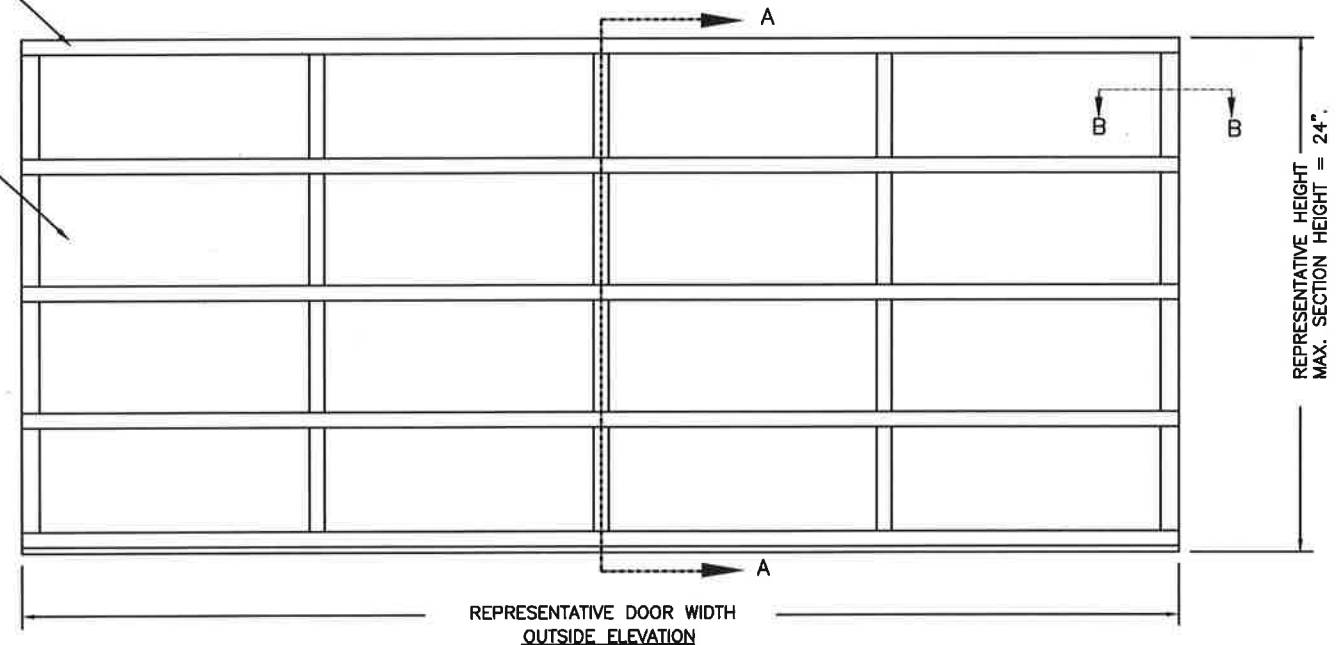


DECORATIVE OVERLAYS MAY BE HORIZONTAL, VERTICAL, AND DIAGONAL (DIAGONAL NOT SHOWN).

SECTION B-B (OVERLAY DETAIL)

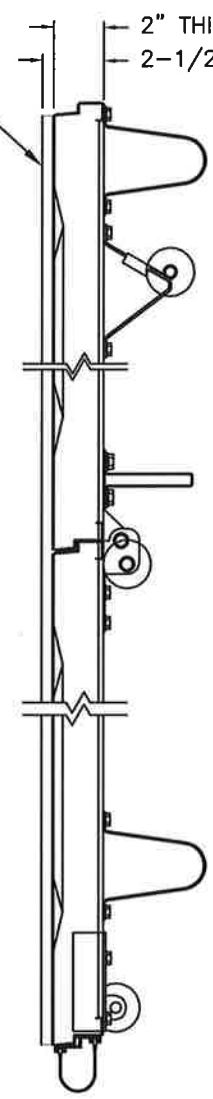
DECORATIVE OVERLAYS OF PULTRUDED POLYESTER RESIN FIBERGLASS ADHERED TO OUTSIDE SKIN WITH PERMANENT ADHESIVE.

WOOD-GRAIN EMBOSSED STEEL PAN DOOR SKIN.



2" THICK BASE SECTION.  
2-1/2" THICK WITH OVERLAYS.

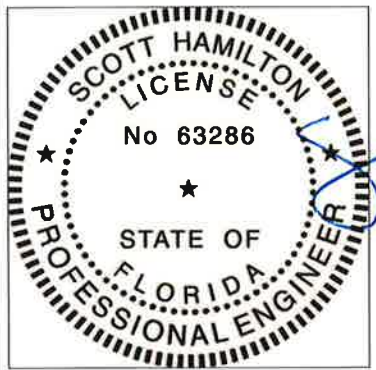
DECORATIVE OVERLAYS OF PULTRUDED POLYESTER RESIN FIBERGLASS ADHERED TO OUTSIDE SKIN WITH PERMANENT ADHESIVE.



SECTION A-A (SIDE VIEW)

"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.



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FLORIDA LICENSE No. 63286

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MANUFACTURING PRODUCT CODE SPQ-2F449	
PART NO.: N/A	
WINDLOAD RATING W8 DP46T	
DESCRIPTION: 2" GALLERY PAN DOORS 16'2"W (SEE TABLE)	
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DWG. NO.: 104791	VER: IBC