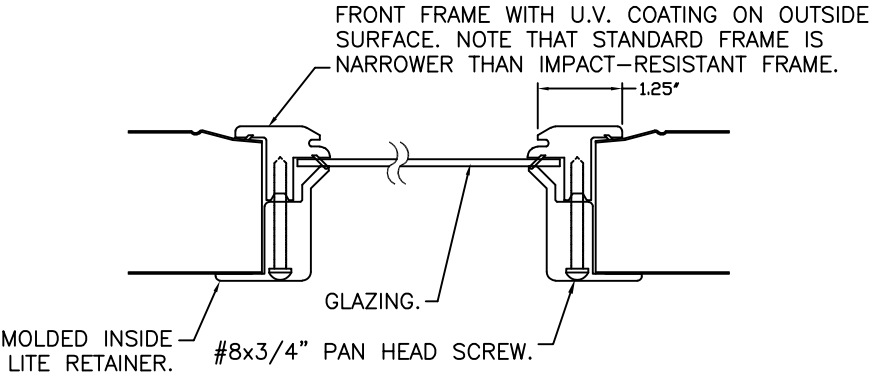


4			3			2					1		
MODELS	SHORT	LONG		MODELS	FLUSH	GROOVED	SHEET: 2 OF 4	REVISIONS					
CLOPAY GALLERY	GD2SU, GR2SU	GD2LU, GR2LU		CLOPAY CLASSIC	9202, HDPC20	9205, HEPR20		REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
HOLMES ARTISTRY	AR2SU	AR2LU		HOLMES CLASSIC	7202	7205		07	—	—	—	SH	SEE REVISION HISTORY ON SHEET ONE.
IDEAL EXPRESSIONS	ED2SU	ED2LU		IDEAL CLASSIC	8202, MFC68U	8205, MFR68U							
MODELS	NARROW	WIDE	CROSSBUCK INSERTS										
CLOPAY BRIDGEPORT	BD2NU, BR2NU	BD2EU, BR2EU	BD2CU, BR2CU										
HOLMES WESTPORT	PR2NU	PR2EU	PR2CU										

STANDARD ASSEMBLY CONSTRUCTION:
OPTIONAL DSB OR 1/8" ACYRLIC LITES AVAILABLE. OPTIONAL ACRYLIC GLAZING IS PLASKOLITE OPTIX OR LUCITE CP APPROVED CC2 PLASTIC IN ACCORDANCE WITH IBC/FBC 2606.
THE ENTIRE DOOR ASSEMBLY INSTALLED IN COMPLIANCE WITH THIS SECTION MEETS THE WIND LOAD REQUIREMENTS OF THE FLORIDA BUILDING CODE OR INTERNATIONAL BUILDING CODE BUT DOES NOT MEET THE IMPACT RESISTANT REQUIREMENT FOR WINDBORNE DEBRIS REGIONS (REF. CHAPTER 16 FBC/IBC).

SECTION B-B (NON-IMPACT RESISTANT GLAZING OPTION)



STANDARD ASSEMBLY DETAILS
DRAWING 104821-B

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

DESIGN LOADS: +38.0 P.S.F. & -42.0 P.S.F.
TEST LOADS: +57.0 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
CORPORATION
8585 Duke Boulevard
Mason, OH 45040 USA
Tel. No. 513-770-4800
Fax No. 513-770-4853

DESCRIPTION: 2" GALLERY PUR DOORS 18'2"W (SEE TABLE)

DRAWN BY: SH DATE: 1/10/13

CHECKED BY: SH DATE: 1/10/13

DWG. NO.: 104821-A/B

MANUFACTURING PRODUCT CODE
DSIU-1F471

PART NO.: N/A

WINDLOAD RATING
W6 DP38T

SCALE: NTS

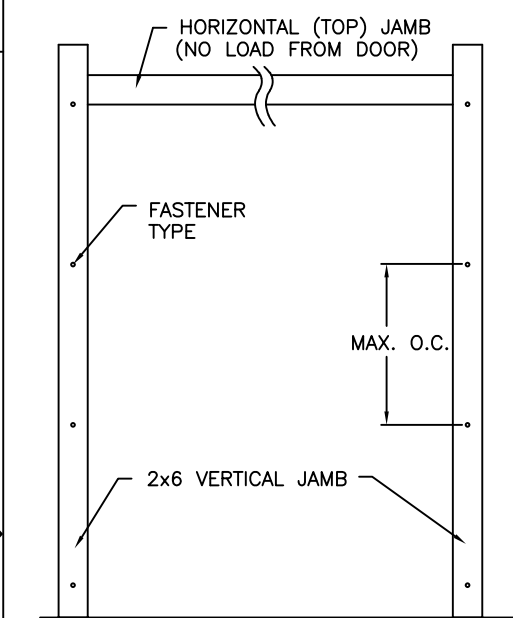
SHEET 2 OF 4

VER: IBC

DWG. SIZE B

4			3			2			1				
MODELS	SHORT	LONG		MODELS	FLUSH	GROOVED	SHEET: 3 OF 4	REVISIONS					
CLOPAY GALLERY	GD2SU, GR2SU	GD2LU, GR2LU		CLOPAY CLASSIC	9202, HDPC20	9205, HEPR20		REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
HOLMES ARTISTRY	AR2SU	AR2LU		HOLMES CLASSIC	7202	7205		07	—	—	—	SH	SEE REVISION HISTORY ON SHEET ONE.
IDEAL EXPRESSIONS	ED2SU	ED2LU		IDEAL CLASSIC	8202, MFC68U	8205, MFR68U							
MODELS	NARROW	WIDE	CROSSBUCK INSERTS										
CLOPAY BRIDGEPORT	BD2NU, BR2NU	BD2EU, BR2EU	BD2CU, BR2CU										
HOLMES WESTPORT	PR2NU	PR2EU	PR2CU										

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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 +304 LB & -336 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.

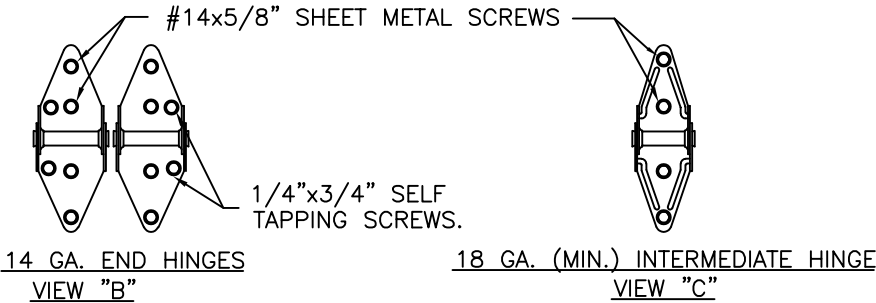
PREPARATION OF JAMBS BY OTHERS

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.

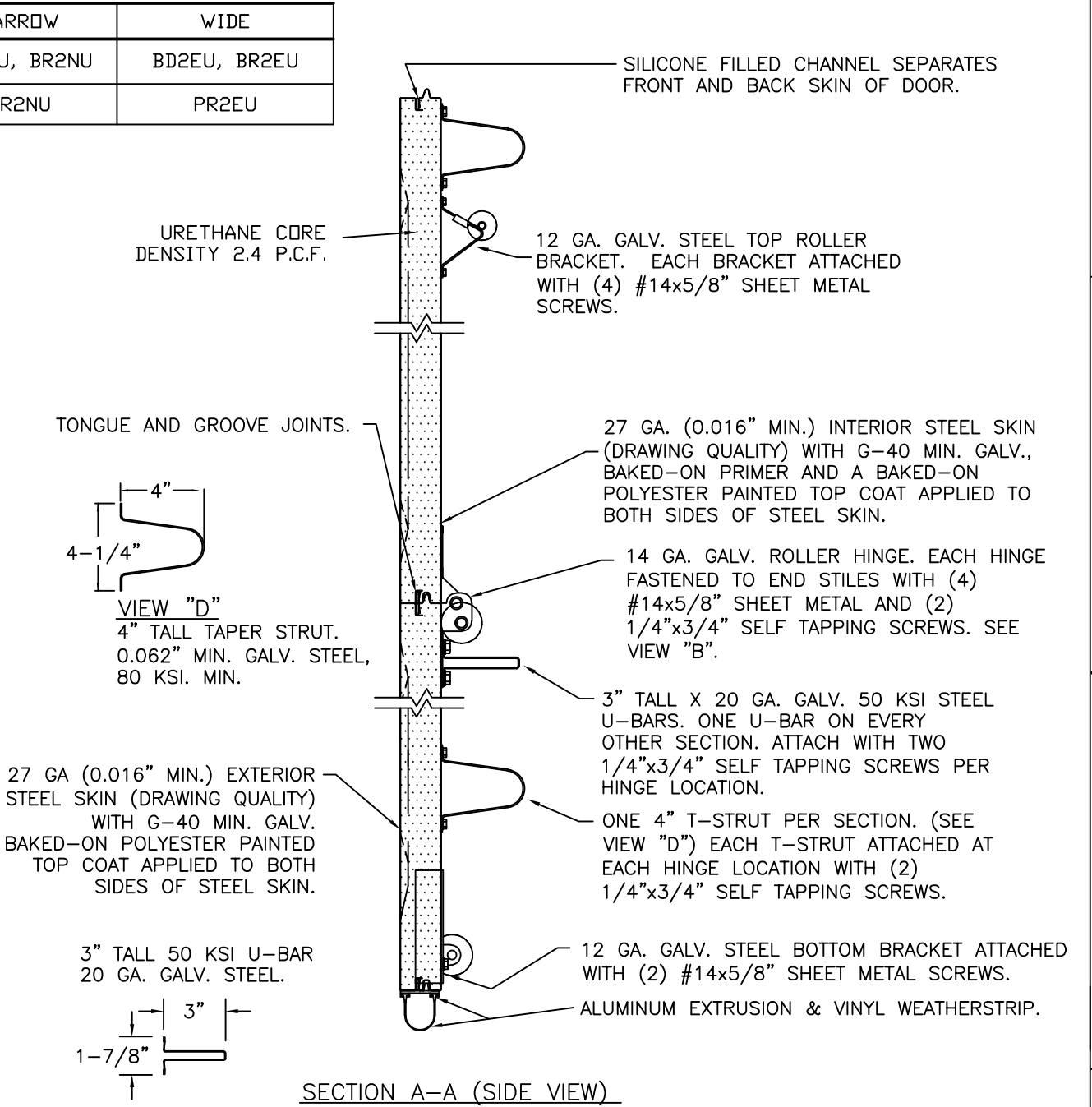
2x6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT
(NOT TO BE USED FOR ATTACHMENT OF TRACK ANGLE TO 2x6 VERTICAL JAMBS OR SUPPORTING STRUCTURE)

BUILDING TYPE	FASTENER TYPE	MAXIMUM ON-CENTER DISTANCE BETWEEN FASTENERS*	STEEL WASHERS REQUIRED?
BLOCK WALL	1/4" x 1-1/2" MIN. EMBED TAPCON CONCRETE ANCHOR	5"	1" O.D.
3000 PSI MIN. CONCRETE	1/4" x 1-1/2" MIN. EMBED TAPCON CONCRETE ANCHOR	13"	1" O.D.
2000 PSI MIN. CONCRETE	3/8" x 1-1/2" MIN. EMBED SIMPSON STRONG-TIE SLEEVE ANCHOR	11"	INCLUDED
WOOD FRAME (SYP 0.55 SG)	1/2" x 3" LAG SCREW (ASTM A307, GRADE A) 1-1/2" EMBED INTO STRUCTURE	19"	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



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TEST LOADS: +57.0 P.S.F. & -63.0 P.S.F.

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.0 = ±.031
.00 = ±.015
.000 = ±.005
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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 PUR DOORS 18'2"W (SEE TABLE)			
DRAWN BY: SH	DATE: 1/10/13	SCALE: NTS	DWG. B
CHECKED BY: SH	DATE: 1/10/13	SHEET 3 OF 4	SIZE
DWG. NO.: 104821-A/B	VER: IBC		

MANUFACTURING PRODUCT CODE
DSIU-1F471

PART NO.: N/A

WINDLOAD RATING
W6 DP38T

4

MODELS	SHORT	LONG
CLOPAY GALLERY	GD2SU, GR2SU	GD2LU, GR2LU
HOLMES ARTISTRY	AR2SU	AR2LU
IDEAL EXPRESSIONS	ED2SU	ED2LU

3

MODELS	FLUSH	GROOVED
CLOPAY CLASSIC	9202, HDPC20	9205, HEPR20
HOLMES CLASSIC	7202	7205
IDEAL CLASSIC	8202, MFC68U	8205, MFR68U

2

SHEET: 4 OF 4

REV. NO. 07

ZONE: -

DATE: -

ECN NO. -

APPVD: SH

REVISIONS

DESCRIPTION

SEE REVISION HISTORY ON SHEET ONE.

1

MODELS	NARROW	WIDE	CROSSBUCK INSERTS
CLOPAY BRIDGEPORT	BD2NU, BR2NU	BD2EU, BR2EU	BD2CU, BR2CU
HOLMES WESTPORT	PR2NU	PR2EU	PR2CU

2" TRACK CONFIGURATION.

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

DOOR COUNTERBALANCE SYSTEM

13 GA GALV. STEEL FLAG BRACKET ATTACHED TO JAMB WITH (3) 5/16" X 1-5/8" LAG SCREWS AND TO TRACK WITH (2) 1/4" RIVETS.

AS RQD: SPACING NTE 14" O.C.

63"

2" GALV. STEEL TRACK, TRACK THICKNESS: 0.083".

50"

38"

TYP. 2-1/2" X 12 GA GALV. STEEL TRACK BRACKETS, ATTACHED TO JAMB WITH (1) 5/16" X 1-5/8" LAG SCREW PER TRACK BRACKET.

24"

10"

3-1/2"

OPENING HEIGHT = DOOR HEIGHT

L"

DOOR HEIGHT

DOOR COUNTERBALANCE SYSTEM

13 GA GALV. STEEL FLAG BRACKET ATTACHED TO JAMB WITH (3) 5/16" X 1-5/8" LAG SCREWS AND TO TRACK WITH (2) 1/4" RIVETS.

AS RQD: SPACING NTE 14" O.C.

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24"

10"

3-1/2"

OPENING HEIGHT = DOOR HEIGHT

L"

DOOR HEIGHT

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 2" TRACK.

1" DOOR OVERLAP (EACH SIDE)

2x6 SYP WOOD JAMB. SEE "JAMB PREPARATION NOTE".

2-1/2" X 12 GA GALV. STEEL TRACK BRACKETS FASTENED TO WOOD JAMBS WITH 5/6" X 1-5/8" LAG SCREWS NOT TO EXCEED 14" ON-CENTER.

2" GALV. STEEL TRACK FASTENED TO 12 GA GALV STEEL TRACK BRACKETS WITH EITHER (2) 1/4" DIA. RIVETS OR (1) 1/4" X 5/8" BOLT & NUT PER TRACK BRACKET.

OPTIONAL STOP MOULDING BY INSTALLER (TO SUIT).

16 GA GALV. STEEL DOUBLE-END-STILE FASTENED WITH (1) #8 X 1/2" WAFER SCREW. END STILE DIM.: 5-3/4 X 2-1/8" X 3/8".

7/16" I.D. ROUND PUSH NUT FASTENER.

18 GA. GALV. STEEL CENTER HINGE FASTENED TO SECTION W/(4) EACH #14x5/8" SHEET METAL SCREWS.

14 GA. GALV. STEEL ROLLER HINGES FASTENED TO END STILES W/(4) EACH #14x5/8" SHEET METAL SCREWS AND (2) 1/4" SELF TAPPING SCREWS PER END HINGE.

2" DIA. 7-1/2" LONG STEM, 10 BALL STEEL ROLLER WITH STEEL OR NYLON TIRE.

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)

DOUBLE HORIZONTAL TRACK.

3" TRACK CONFIGURATION.

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

CENTER HANG REQUIRED FOR DOORS OVER 8' HIGH.

3" GALV. TAPERED STEEL TRACK AND ANGLE. TRACK THICKNESS: 0.101". ANGLE THICKNESS: 0.080". MIN. ANGLE DIMENSIONS 3-1/4" x 2-7/8".

VERTICAL/HORIZONTAL TRACK JUNCTION. TWO 1/4" BOLTS & NUTS FOR EACH TRACK.

14" MAXIMUM SPACING FROM LAST MOUNTING SLOT TO TRACK JUNCTION

ADDITIONAL MOUNTING SLOTS SPACED AT 12" CENTERS.

12" ON CENTER

46"

34"

ONE. 1/4" TRACK BOLT AND NUT AT EACH MOUNTING SLOT LOCATION.

22"

10"

3-1/2"

OPENING HEIGHT = DOOR HEIGHT

DOOR HEIGHT

HORIZONTAL TRACK SUPPORT BY DOOR INSTALLER (TO SUIT).

DOOR HEIGHT

7'-0" 72"

8'-0" 84"

9'-0" 96"

10'-0" 108"

12'-0" 132"

14'-0" 156"

16'-0" 180"

JAMB CONFIGURATION 3" TRACK.

1" DOOR OVERLAP (EACH SIDE)

2x6 SYP WOOD JAMB. SEE "JAMB PREPARATION NOTE".

3-1/4" x 2-7/8" MIN. x 0.080" TAPERED ANGLE. SEE LAG BOLT MOUNTING AT TRACK CONFIGURATION BELOW.

0.101" THICK 3" GALV. STEEL TRACK FASTENED TO TAPERED ANGLE. TRACK ATTACHED TO TAPERED ANGLE WITH ONE 1/4"x5/8" BOLT & NUT AT EACH MOUNTING SLOT.

OPTIONAL STOP MOULDING BY DOOR INSTALLER (TO SUIT).

16 GA GALV. STEEL DOUBLE-END-STILE FASTENED WITH (1) #8 X 1/2" WAFER SCREW. END STILE DIM.: 5-3/4 X 2-1/8" X 3/8".

7/16" I.D. ROUND PUSH NUT FASTENER.

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14 GA. GALV. STEEL ROLLER HINGES FASTENED TO END STILES W/(4) EACH #14x5/8" SHEET METAL SCREWS AND (2) 1/4" SELF TAPPING SCREWS PER END HINGE.

3" DIA. 8-1/2" LONG STEM BALL BEARING STEEL ROLLER.

SECTION C-C

PREPARATION OF JAMBS BY OTHERS.

DESIGN LOADS: +38.0 P.S.F. & -42.0 P.S.F. TEST LOADS: +57.0 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.

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.

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

MANUFACTURING PRODUCT CODE DSIU-1F471 PART NO.: N/A WINDLOAD RATING W6 DP38T DESCRIPTION: 2" GALLERY PUR DOORS 18'2"W (SEE TABLE) DRAWN BY: SH DATE: 1/10/13 SCALE: NTS DWG. SIZE B CHECKED BY: SH DATE: 1/10/13 SHEET 4 OF 4 VER: IBC DWG. NO.: 104821-A/B

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

2 FLORIDA PRODUCT APPROVAL 16546