

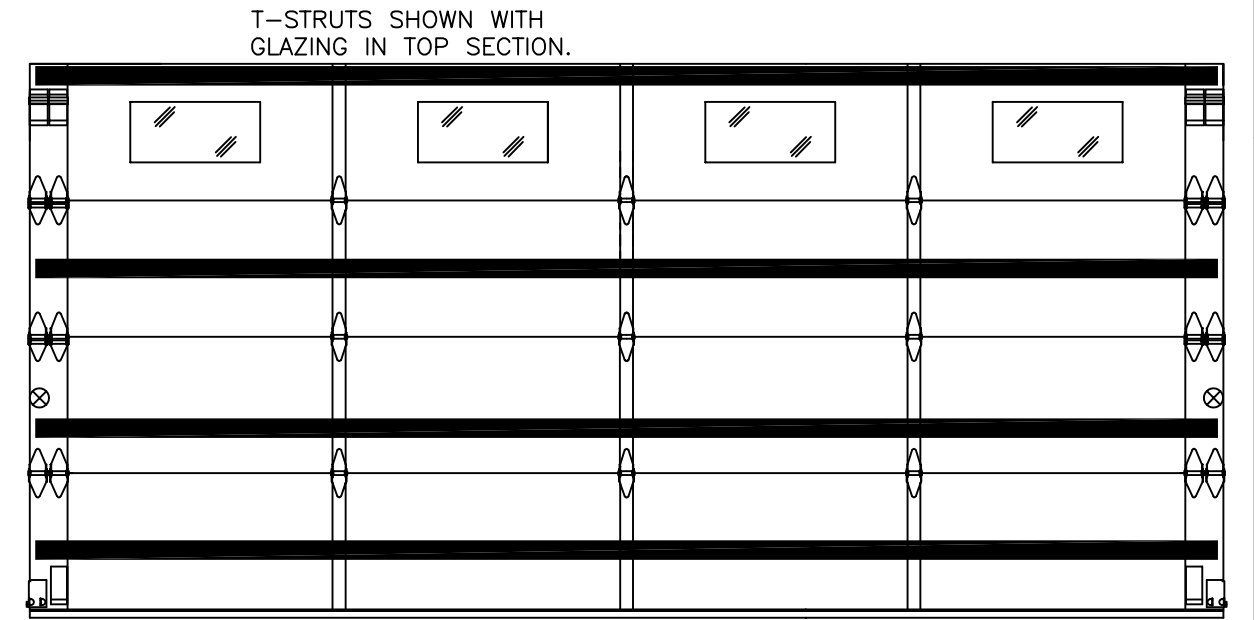
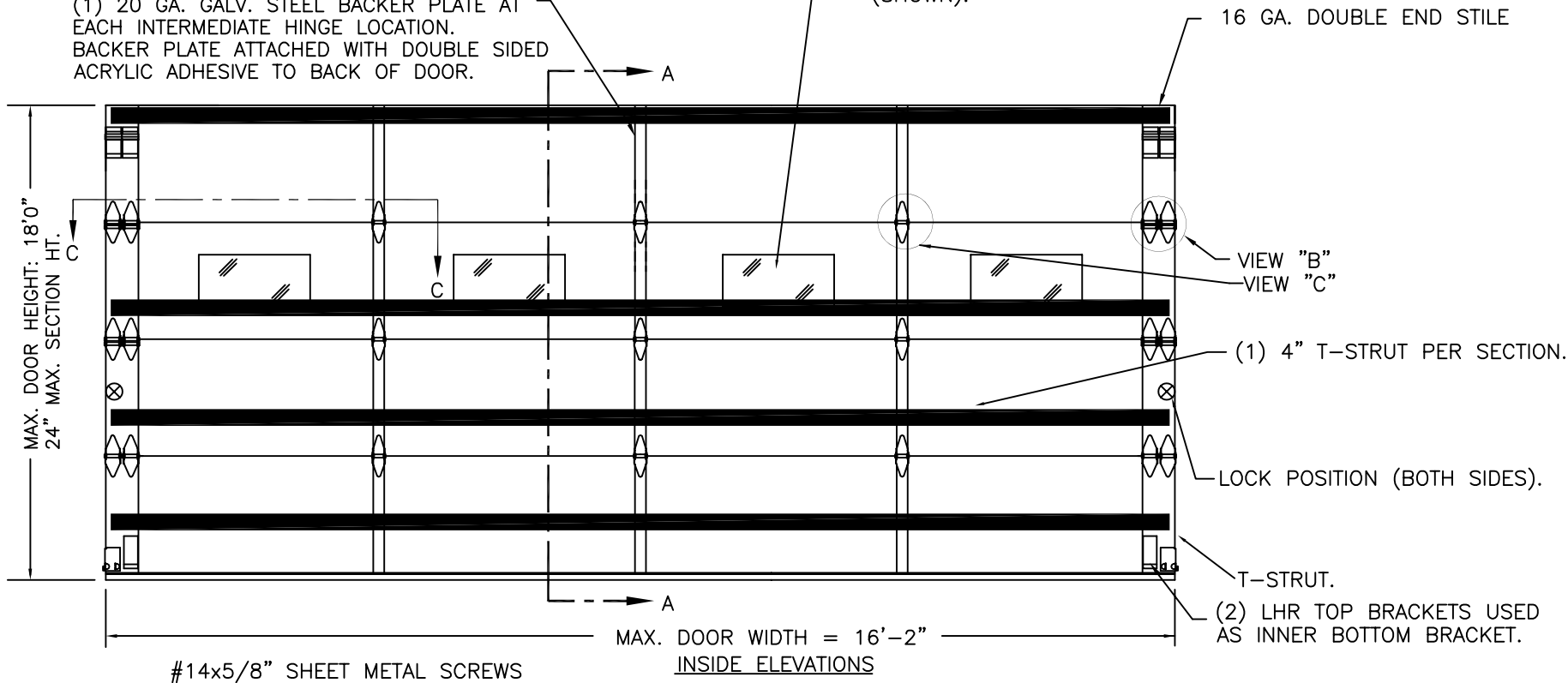
CLOPAY / IDEAL / HOLMES	
3717 / C7X17 / -- / 27GA 1.75" THICK MINOR RIB	
3718 / C7X18 / -- / 27GA 1.75" THICK FLUSH	
3720 / C7X20 / 240U / 27GA 2" THICK MINOR RIB	
3722 / COX22 / -- / 20GA 2" THICK FLUSH	
3724 / C7X24 / 244U / 24GA 2" THICK MINOR RIB	
3730 / -- / -- / 27GA 3" THICK MINOR RIB	

SHEET:
1 OF 4

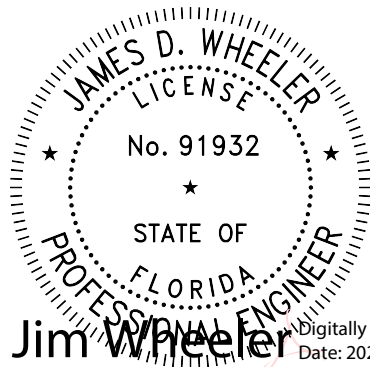
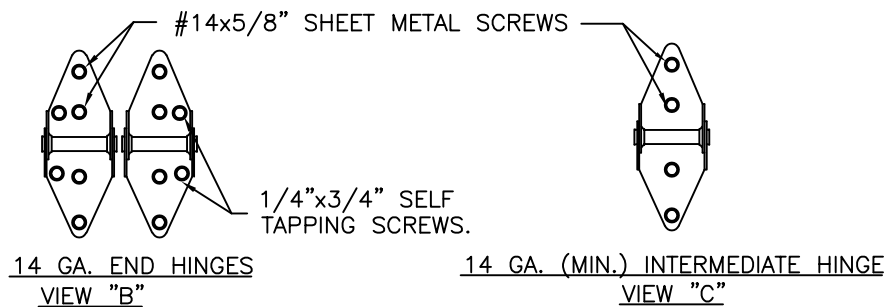
REVISIONS					
REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
02	-	5/16/14	-	-	MAT. NOTES & GLASS BITE ADDED IMPACT WINDOW CROSS-SECTION
03	-	8/10/20	-	SH	UPDATED TITLE BLOCK AND REMOVED WIND CHART
04	-	3/6/25	-	JDW	ADDED MODEL 3730
05	-	10/6/25	-	DH	REVISED IMPACT RESISTANT GLAZING DETAILS

OPTIONAL GLAZING MAY BE STANDARD (DSB OR BETTER) OR IMPACT RESISTANT GLAZING. MAXIMUM GLAZING SIZE (DLO) IS 22"x9-7/8". SEE SECTION B-B ON SHEET 2 FOR DETAILS. GLAZING MAY BE INSTALLED IN TOP SECTION (NOT SHOWN) OR INTERMEDIATE SECTION (SHOWN).

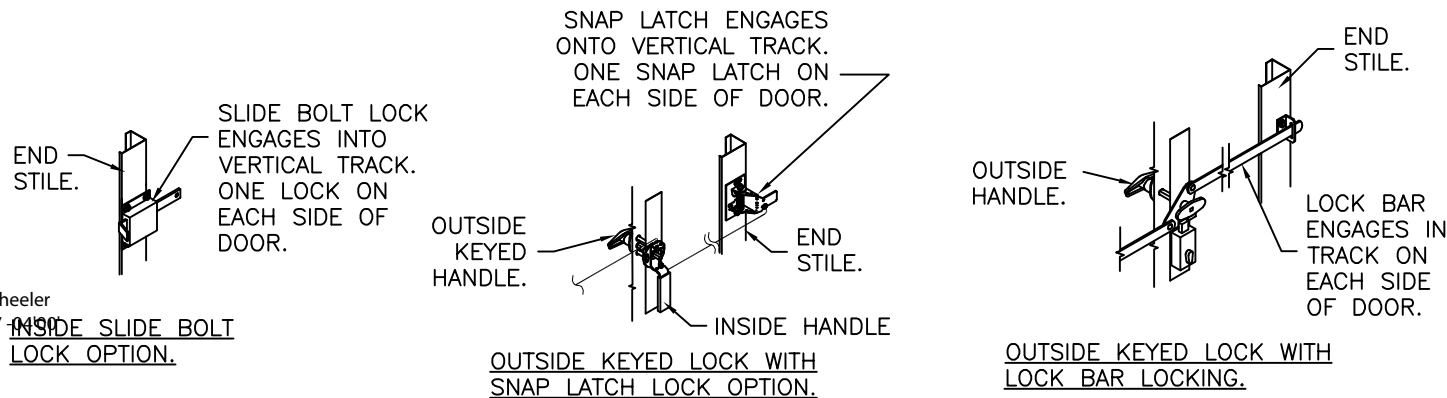
(1) 20 GA. GALV. STEEL BACKER PLATE AT EACH INTERMEDIATE HINGE LOCATION. BACKER PLATE ATTACHED WITH DOUBLE SIDED ACRYLIC ADHESIVE TO BACK OF DOOR.



DOOR HEIGHT 'A'	NUMBER OF SECTIONS
UP TO 8'-0"	4
8'-3" THRU 10'-0"	5
10'-3" THRU 12'-0"	6
12'-3" THRU 14'-0"	7
14'-3" THRU 16'-0"	8
16'-3" THRU 18'-0"	9



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



DESIGN LOADS: +37.0 P.S.F. & -42.0 P.S.F.
TEST LOADS: +55.5 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: 1-3/4" INTELICORE DOORS UP TO 16'2"W (SEE TABLE)			
DRAWN BY: SH	DATE: 1/10/13	SCALE: NTS	DWG. SIZE B
CHECKED BY: SH	DATE: 1/10/13	SHEET 1 OF 4	
DWG. NO.: 104801 - A/B		VER: IBC	

MANUFACTURING PRODUCT CODE C-DSIU-1D477
PART NO.: N/A
WINDLOAD RATING W6 DP37T

FLORIDA PRODUCT APPROVAL 48387.12

3717	/	C7X17	/	--	/	27GA	1.75"	THICK	MINOR	RIB
3718	/	C7X18	/	--	/	27GA	1.75"	THICK	FLUSH	
3720	/	C7X20	/	240U	/	27GA	2"	THICK	MINOR	RIB
3722	/	C0X22	/	--	/	20GA	2"	THICK	FLUSH	
3724	/	C7X24	/	244U	/	24GA	2"	THICK	MINOR	RIB
3730	/	--	/	--	/	27GA	3"	THICK	MINOR	RIB

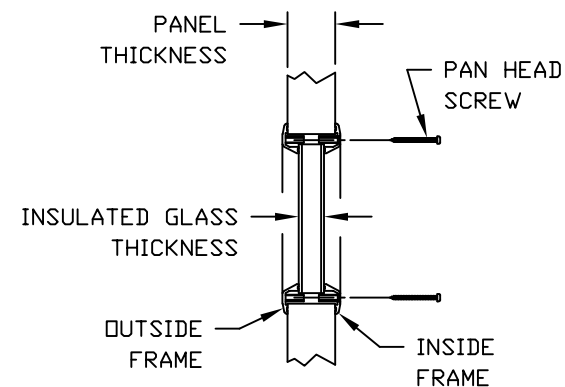
2 OF 4

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

OPTIONAL DSB OR TEMPERED INSULATED GLAZING AVAILABLE.

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 104801-B

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

DESIGN LOADS: +37.0 P.S.F. & -42.0 P.S.F.
TEST LOADS: +55.5 P.S.F. & -63.0 P.S.F.

Unless Stated Otherwise
TOLERANCES are
 .0 = $\pm .031$
 .00 = $\pm .015$
 .000 = $\pm .005$
 .0000 = $\pm .001$
 Degrees = $\pm 1/2^\circ$
 Unless Stated Otherwise
 DIMENSIONS ARE IN INCHES



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Mason, OH 45040 USA
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DESCRIPTION:	1-3/4" INTELICORE DOORS UP TO 16'2"W (SEE TABLE)
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DRAWN BY: SH

DATE: 1/10/13

CHECKED BY: SH

DATE: 1/10/13

DWG. NO.: 104801 - A/B

MANUFACTURING PRODUCT CODE
C-DSIU-1D477

PART NO.: N/A

WINDLOAD RATING
W6 DP37T

RS UP TO 16'2"W (SEE TABLE)

SCALE: NTS	DWG. B SIZE
SHEET 2 OF 4	

VER: IBC

FLORIDA PRODUCT APPROVAL 48387.12

CLOPAY / IDEAL / HOLMES

3717	/	C7X17	/	--	/	27GA	1.75"	THICK	MINOR	RIB
3718	/	C7X18	/	--	/	27GA	1.75"	THICK	FLUSH	
3720	/	C7X20	/	240U	/	27GA	2"	THICK	MINOR	RIB
3722	/	COX22	/	--	/	20GA	2"	THICK	FLUSH	
3724	/	C7X24	/	244U	/	24GA	2"	THICK	MINOR	RIB
3730	/	--	/	--	/	27GA	3"	THICK	MINOR	RIB

SHEET:

3 OF 4

REVISIONS

REV. NO.

ZONE:

DATE:

ECN NO.

APPVD:

DESCRIPTION

SEE REVISION HISTORY ON SHEET ONE.

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 +296 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.

NOTE: 2x6 WOOD JAMBS ARE NOT REQUIRED WITH CONTINUOUS ANGLE MOUNT TRACK. HOWEVER, IF DESIRED ON STEEL JAMBS OR CONCRETE OR BLOCK WALLS, APPROVED FASTENERS AS DETAILED BELOW SHOULD BE INCREASED IN LENGTH BY 1-1/2" AND INSTALLED DIRECTLY THROUGH THE ANGLE AND 2x6 WOOD JAMBS INTO THE STEEL JAMBS OR CONCRETE OR BLOCK WALLS. ANCHORS CAN BE (BUT ARE NOT REQUIRED TO BE) COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE. CONTINUOUS ANGLE TRACK CAN BE ANCHORED DIRECTLY TO GROUT REINFORCED BLOCK WALL OR 3,000 PSI MIN. CONCRETE COLUMN OR STEEL JAMBS.

VIEW "D"

4" TALL TAPER STRUT.
0.062" MIN. GALV. STEEL,
80 KSI MIN.

FASTENER ATTACHMENT TO SUPPORTING STRUCTURE SCHEDULES

BUILDING TYPE	FASTENER TYPE	MAXIMUM ON-CENTER DISTANCE BETWEEN FASTENERS*	STEEL WASHERS REQUIRED
HOLLOW BLOCK WALL	1/4" x 1-1/4" MIN. EMBED ULTRACON CONCRETE ANCHOR	5-1/2"	1" O.D.
GROUT FILLED BLOCK WALL	1/4" x 1-3/4" MIN. EMBED ULTRACON CONCRETE ANCHOR	9-1/4"	1" O.D.
2000 PSI MIN. CONCRETE	1/4" x 1" MIN. EMBED ULTRACON CONCRETE ANCHOR	8"	1" O.D.
2000 PSI MIN. CONCRETE	1/4" x 1" MIN. EMBED TAPCON CONCRETE ANCHOR	6-3/4"	1" O.D.
2000 PSI MIN. CONCRETE	3/8" x 1-3/4" MIN. EMBED WEJ-IT ANKR TITE SLEEVE ANCHOR	17"	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	18-1/4"	1" O.D.
14GA STEEL (0.060" MIN.)	1/4"-14 x 1" ITW BUILDDEX TEKS SELF-DRILLING FASTENER	7-3/4"	1" O.D.
12GA STEEL (0.105" MIN.)	1/4"-14 x 1" ITW BUILDDEX TEKS SELF-DRILLING FASTENER	13-1/2"	1" O.D.
1/8" STEEL	1/4"-14 x 1" ITW BUILDDEX TEKS SELF-DRILLING FASTENER	16"	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.
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1-3/4" THICK MIN.

27 GA. (.016" MIN.) EXTERIOR STEEL SKIN WITH G-40 MIN. GALV., BAKED-ON POLYESTER PAINTED TOP COAT APPLIED TO BOTH SIDES OF STEEL SKIN.

12 GA. GALV. STEEL TOP ROLLER BRACKET. EACH BRACKET ATTACHED W/(5) #14x5/8" SHEET METAL SCREWS. ADJUSTABLE SLIDE ATTACHED TO TOP BRACKET WITH (2) 1/4"x1/2" BOLTS AND NUTS PER BRACKET.

SECTIONS ARE 1-3/4" THICK (MIN.) PANELS. EXTERIOR 27 GA. MIN. GALV. STEEL INTERIOR 27 GA. MIN. GALV. STEEL. THE STUCCO EMBOSSED STEEL TEXTURE IS PREPAINTED WITH A BAKED POLYESTER PAINT. MINOR RIBS ARE PLACED EVERY 4 INCHES ALONG THE WIDTH OF THE EXTERIOR PANELS.

TONGUE AND GROOVE JOINTS.

14 GA. GALV. ROLLER HINGE. EACH HINGE FASTENED TO END STILES W/(4) #14x5/8" SHEET METAL AND (2) 1/4"x3/4" SELF TAPPING SCREWS. (SEE VIEW "B")

ONE 4" T-STRUT PER SECTION. (SEE VIEW "D") EACH T-STRUT ATTACHED AT EACH HINGE LOCATION WITH (2) 1/4"x3/4" SELF TAPPING SCREWS.

27 GA. (.016" MIN.) EXTERIOR STEEL SKIN WITH G-40 MIN. GALV., BAKED-ON POLYESTER PAINTED TOP COAT APPLIED TO BOTH SIDES OF STEEL SKIN.

12 GA. GALV. STEEL BOTTOM BRACKET. ATTACHED WITH (4) #14x5/8" SHEET METAL SCREWS.

ALUMINUM EXTRUSION & VINYL WEATHERSTRIP.

SECTION A-A (SIDE VIEW)

DESIGN LOADS: +37.0 P.S.F. & -42.0 P.S.F.
TEST LOADS: +55.5 P.S.F. & -63.0 P.S.F.

Unless Stated Otherwise
TOLERANCES are

.0	=	±.031
.00	=	±.015
.000	=	±.005
.0000	=	±.001
Degrees	=	± 1/2°



8585 Duke Boulevard
Mason, OH 45040 USA
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MANUFACTURING PRODUCT CODE
C-DSIU-1D477

PART NO.: N/A

	WINDLOAD RATING
W6	DP37T

DESCRIPTION:	1-3/4" INTELICORE DOORS UP TO 16'2"W (SEE TABLE)
--------------	--

DRAWN BY: SH

DATE: 1/10/13

3	SCALE: NTS
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DWG. T

CHECKED BY: SH

DATE: 1/10/13

SHEET 3 OF 4

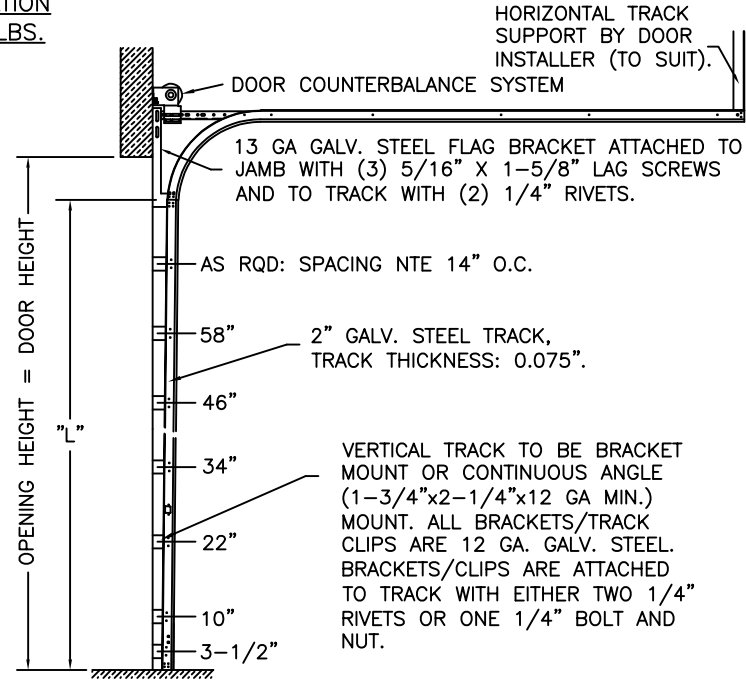
DWG. NO.: 104801 - A/B

VER: IBC

CLOPAY / IDEAL / HOLMES			
3717	/ C7X17 / --	/ 27GA 1.75" THICK MINOR RIB	
3718	/ C7X18 / --	/ 27GA 1.75" THICK FLUSH	
3720	/ C7X20 / 240U	/ 27GA 2" THICK MINOR RIB	
3722	/ COX22 / --	/ 20GA 2" THICK FLUSH	
3724	/ C7X24 / 244U	/ 24GA 2" THICK MINOR RIB	
3730	/ -- / --	/ 27GA 3" THICK MINOR RIB	

2" TRACK CONFIGURATION
DOORS UP TO 800 LBS.

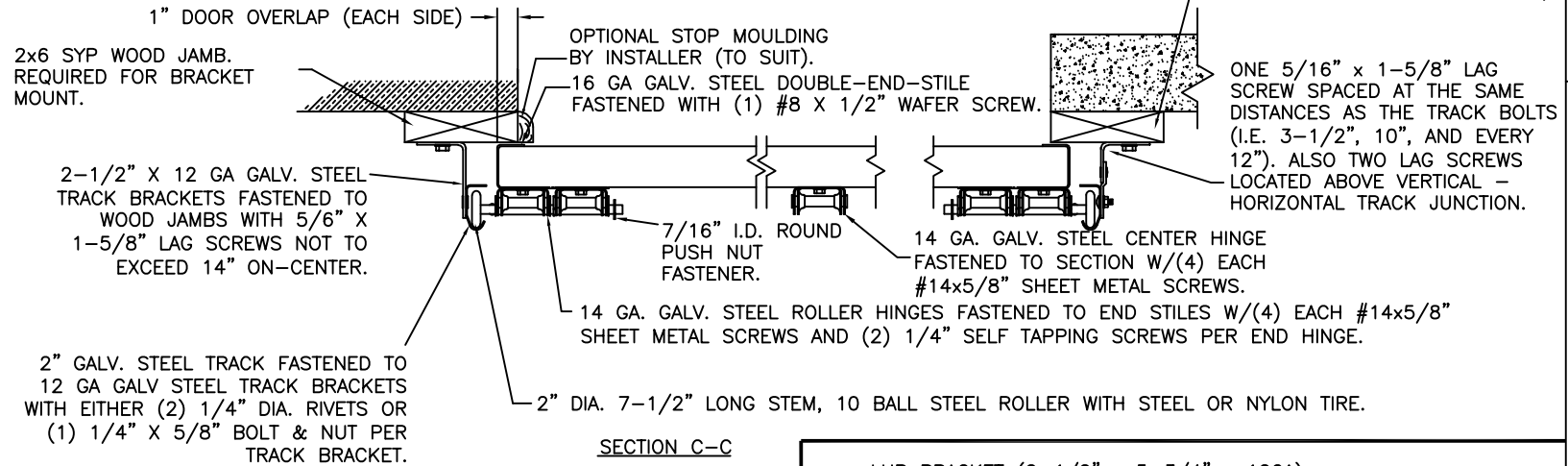
NOTE DOUBLE TRACK HEADROOM, HI-LIFT TRACK, FOLLOW-THE- ROOF TRACK, AND VERTICAL LIFT TRACK ARE AVAILABLE OPTIONS. TRACK CONFIGURATION ABOVE THE DOOR OPENING DOES NOT AFFECT THE WIND LOAD RATING.



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"
16'-6"	190"
17'-0"	196"
17'-6"	202"
18'-0"	208"

JAMB CONFIGURATION
DOORS UP TO 800 LBS.

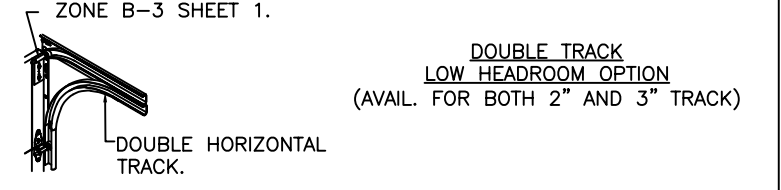
BRACKET MOUNT JAMB CONFIGURATION



SECTION C-C

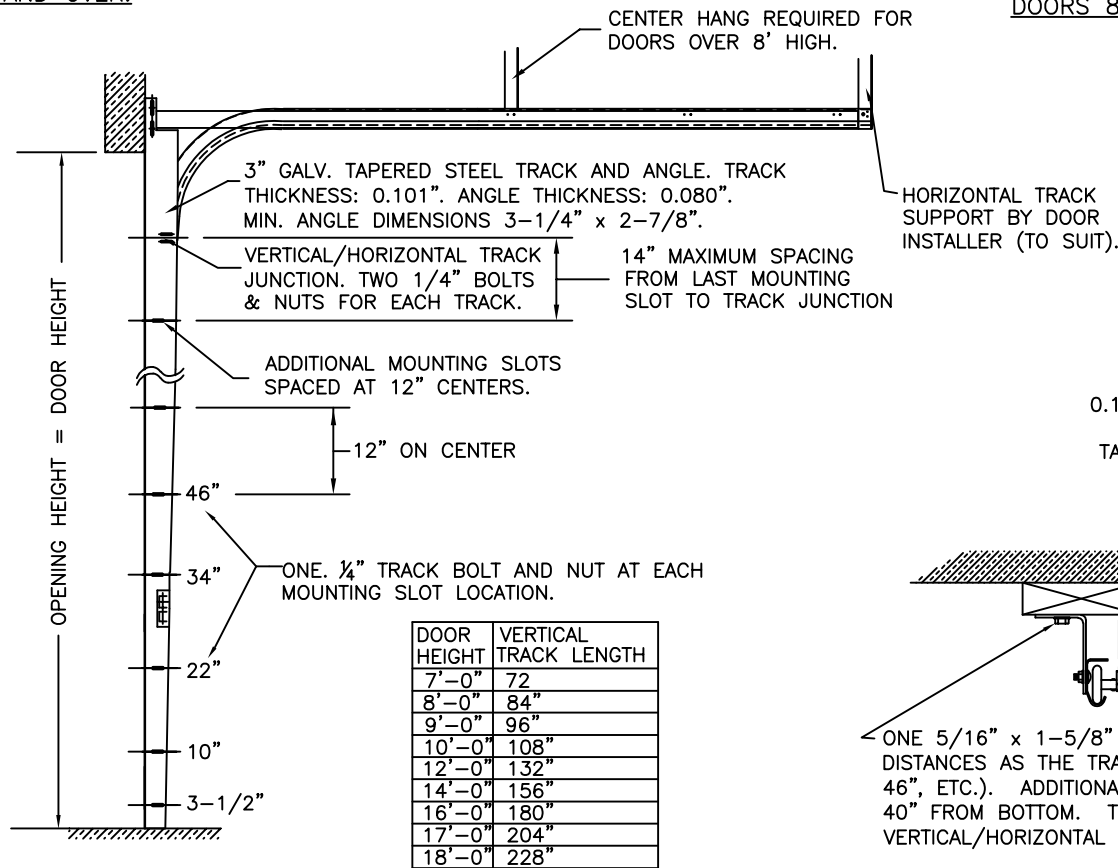
PREPARATION OF JAMBS BY OTHERS.

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.



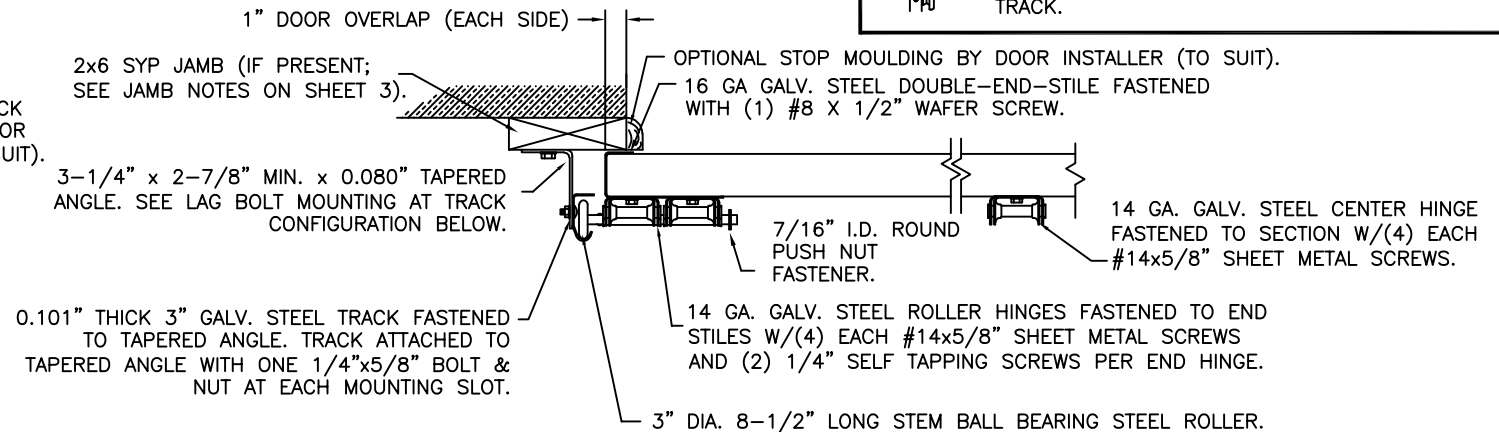
3" TRACK CONFIGURATION
DOORS 800 LBS AND OVER.

NOTE DOUBLE TRACK HEADROOM, HI-LIFT TRACK, FOLLOW-THE- ROOF TRACK, AND VERTICAL LIFT TRACK ARE AVAILABLE OPTIONS. TRACK CONFIGURATION ABOVE THE DOOR OPENING DOES NOT AFFECT THE WIND LOAD RATING.



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"
17'-0"	204"
18'-0"	228"

JAMB CONFIGURATION
DOORS 800 LBS AND OVER.



SECTION C-C

PREPARATION OF JAMBS BY OTHERS.

DESIGN LOADS: +37.0 P.S.F. & -42.0 P.S.F.
TEST LOADS: +55.5 P.S.F. & -63.0 P.S.F.

Unless Stated Otherwise TOLERANCES are	
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DRAWN BY: SH	DATE: 1/10/13	SCALE: NTS	DWG. SIZE B
CHECKED BY: SH	DATE: 1/10/13	SHEET 4 OF 4	
DWG. NO.: 104801 - A/B		VER: IBC	

DESIGN ENGINEER:
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