

BRAND	MODERN STEEL		COMMERCIAL DOORS	
	FLUSH	GROOVED	FLUSH	GROOVED
CLOPAY	9208, HDPCC2	9209, HDPCR2	3728	3729
HOLMES	7208	7209	--	C7R20

SEE SHEET 5 FOR "CANYON
RIDGE MODERN SERIES"
MODELS.

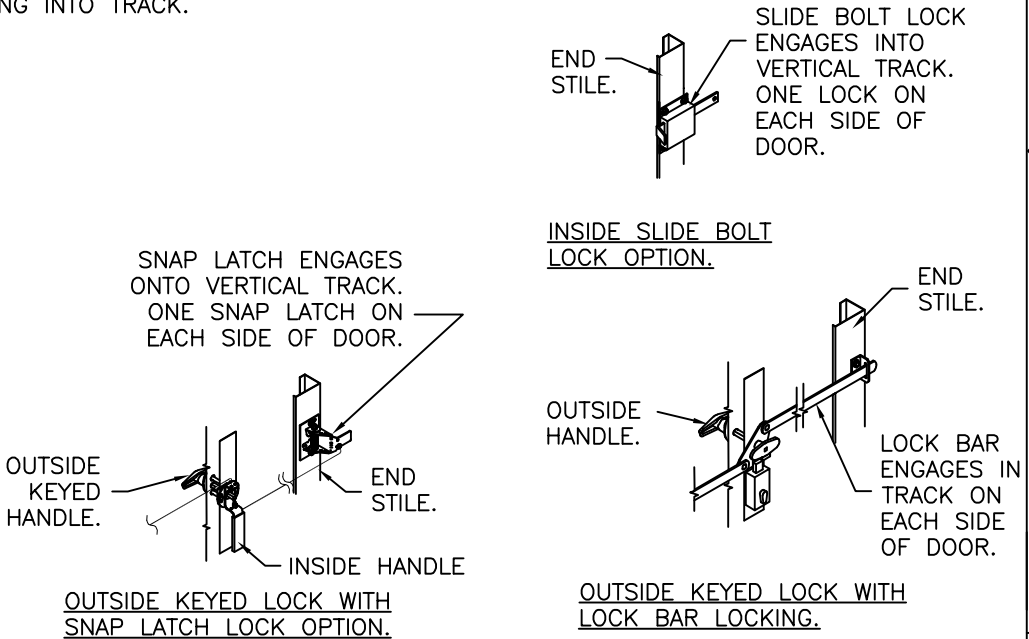
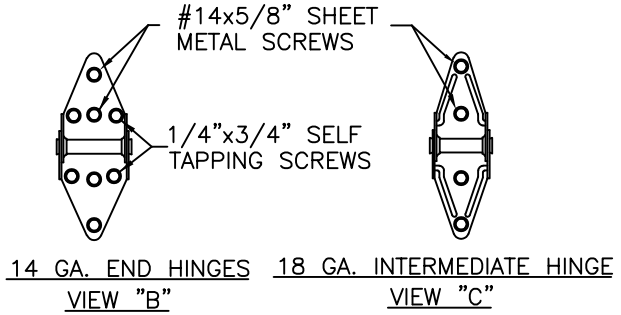
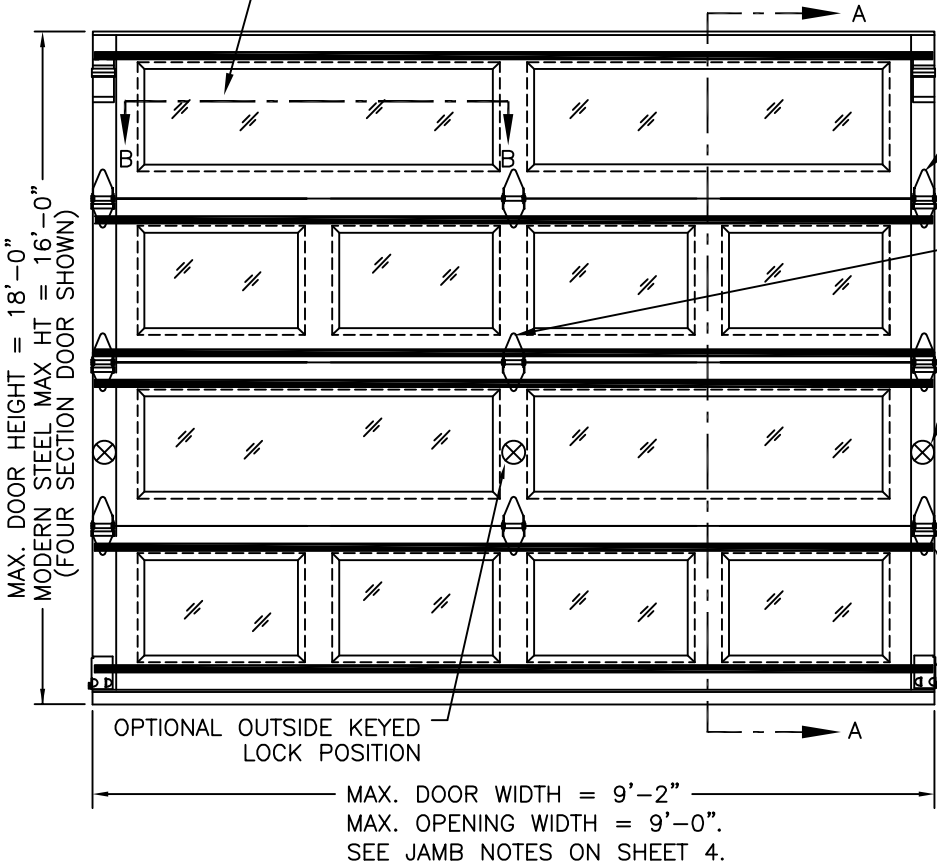
SHEET:
1 OF 5

REVISIONS					
REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
01	—	10/19/16	—	SH	REVISED MPC.
02	—	4/13/17	—	SH	ADDED CRM MODELS.
03	—	8/6/20	—	SH	UPDATED TITLE BLOCK AND REMOVED WIND CHART
04	—	10/6/25	—	DH	REVISED IMPACT RESISTANT GLAZING DETAILS

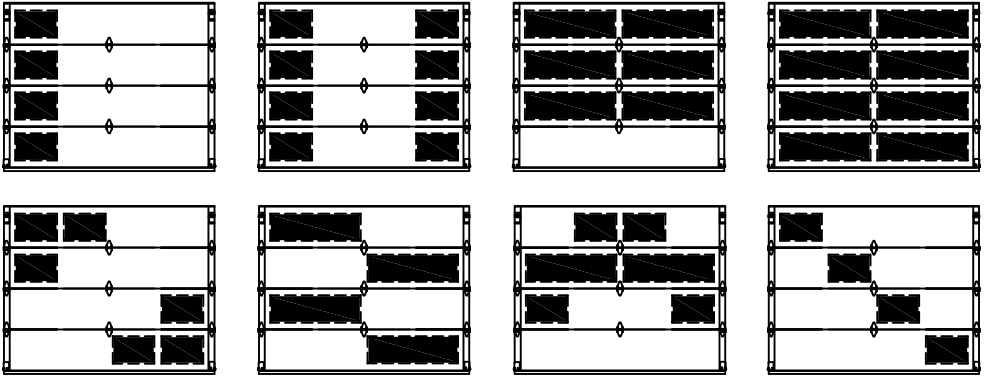
MIXED GLAZING SHOWN.

OPTIONAL GLAZING MAY BE STANDARD (DSB OR BETTER)
OR IMPACT RESISTANT GLAZING. MAXIMUM GLAZING SIZE
(DLO) IS 39-1/4"x13-1/4". GLAZING MAY BE
SHORT-PANEL OR LONG-PANEL. SEE SECTION B-B ON
SHEET 2 FOR DETAILS.
GLAZING MAY BE INSTALLED IN ANY LOCATION IN ANY OR
ALL SECTIONS.

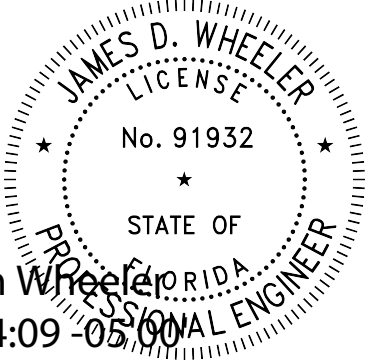
DOOR HEIGHT	# OF SECTIONS	# OF U-BARS
UP TO 6'0"	3	5
6'3" TO 8'0"	4	6
8'3" TO 10'0"	5	8
10'3" TO 12'0"	6	9
12'3" TO 14'0"	7	11
14'3" TO 16'0"	8	12
MAX SECTION HEIGHT: 24"		



REPRESENTATIVE GLAZING PATTERNS.



GLAZING MAY BE IN ANY LOCATION IN ANY OR ALL SECTIONS. THESE PATTERNS ARE REPRESENTATIVE OF THE APPROVED CONFIGURATIONS. NOT ALL CONFIGURATIONS ARE AVAILABLE AS STANDARD PRODUCT. CONSULT FACTORY FOR DETAILS.



Digitally signed by Jim Wheeler
Date: 2025.12.15 13:54:09 -0500

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.

MANUFACTURING PRODUCT CODE DSIUA-1F477			
PART NO.: N/A			
WINDLOAD RATING W6 DP38			
DESCRIPTION: MODERN STEEL 2" INTELICORE +38/-42 PSF TO 9' W			
DRAWN BY: SH	DATE: 12/2015	SCALE: NTS	DWG. SIZE B
CHECKED BY: --	DATE: --	SHEET 1 OF 5	
DWG. NO.: 104859 - A/B	VER: IBC		

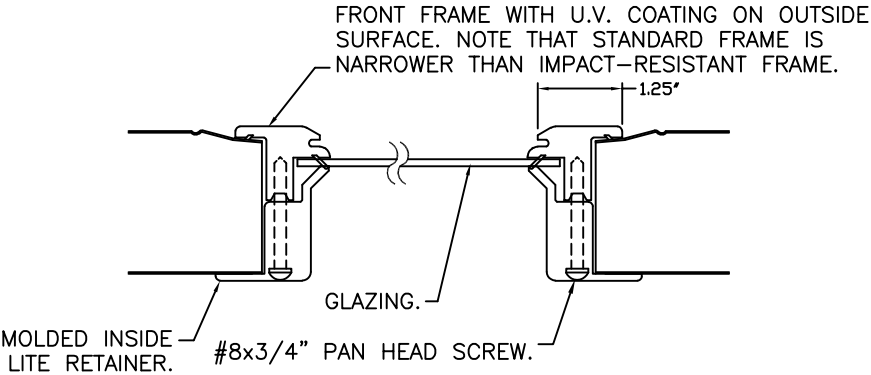
BRAND	MODERN STEEL		COMMERCIAL DOORS	
	FLUSH	GROOVED	FLUSH	GROOVED
CLOPAY	9208, HDPCC2	9209, HDPCR2	3728	3729
HOLMES	7208	7209	--	C7R20

SEE SHEET 5 FOR "CANYON
RIDGE MODERN SERIES"
MODELS.

SHEET: 2 OF 5	REVISIONS					
	REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
	04	—	—	—	—	SEE REVISION HISTORY ON SHEET ONE.

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 104859-B

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

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

DESCRIPTION: MODERN STEEL 2" INTELICORE +38/-42 PSF TO 9' W

DRAWN BY: SH

DATE: 12/2015

CHECKED BY: --

DATE: --

DWG. NO.: 104859 - A/B

MANUFACTURING PRODUCT CODE
DSIUA-1F477

PART NO.: N/A

WINDLOAD RATING
W6 DP38

SCALE: NTS

SHEET 2 OF 5

VER: IBC

DWG. SIZE B

4

3

2

1

BRAND	MODERN STEEL		COMMERCIAL DOORS	
	FLUSH	GROOVED	FLUSH	GROOVED
CLOPAY	9208, HDPCC2	9209, HDPCR2	3728	3729
HOLMES	7208	7209	--	C7R20

SEE SHEET 5 FOR "CANYON
RIDGE MODERN SERIES"
MODELS.

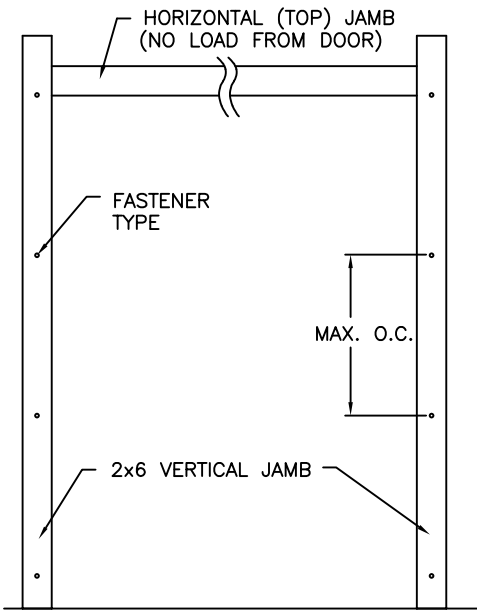
SHEET:
3 OF 5

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

2" THICK
SILICONE FILLED CHANNEL SEPARATES
FRONT AND BACK SKIN OF DOOR

SEE SHEET 5 FOR "CANYON
RIDGE MODERN SERIES"
MODELS.

SHEET:
3 OF 5



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 +171 LB & -189 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.

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

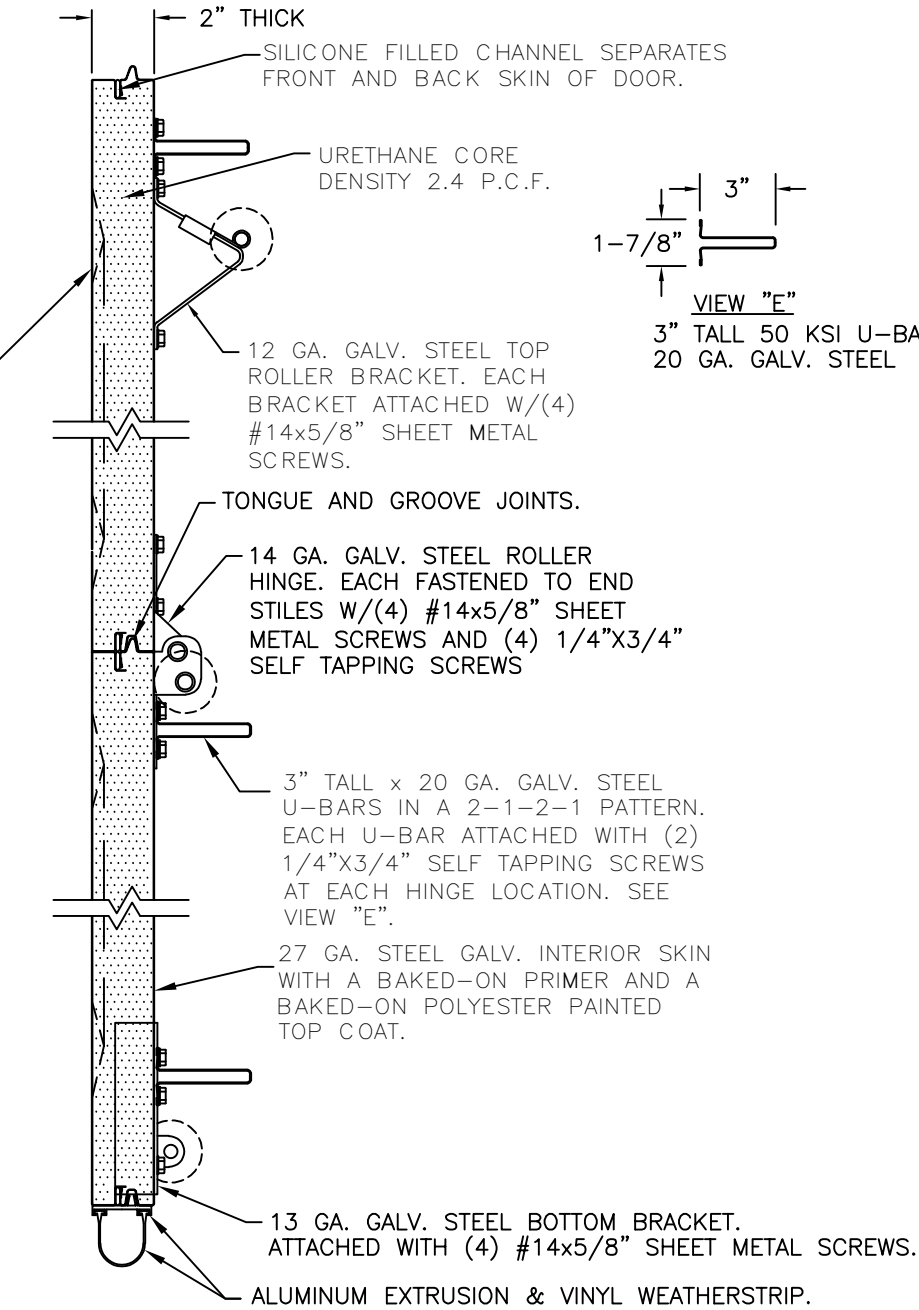
BUILDING TYPE	FASTENER TYPE	MAXIMUM ON-CENTER DISTANCE BETWEEN FASTENERS*	STEEL WASHERS REQUIRED
HOLLOW CMU BLOCK WALL	1/4" x 1-1/4" MIN. EMBED ULTRACON CONCRETE ANCHOR	9 3/4"	1" O.D.
GROUT-FILLED CMU BLOCK	1/4" x 1-1/4" MIN. EMBED ULTRACON CONCRETE ANCHOR	16"	1" O.D.
2000 PSI MIN. CONCRETE	1/4" x 1" MIN. EMBED ULTRACON CONCRETE ANCHOR	14"	1" O.D.
2000 PSI MIN. CONCRETE	1/4" x 1" MIN. EMBED TAPCON CONCRETE ANCHOR	13"	1" O.D.
2000 PSI MIN. CONCRETE	3/8" X 1-3/4" MIN. EMBED WEJ-IT ANKR TITE SLEEVE ANCHOR	24"	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	24"	1" O.D.
14GA STEEL (0.060" MIN.)	1/4"-14 x 1" ITW BUILDEX TEKS SELF-DRILLING FASTENER	13 1/4"	1" O.D.
12GA STEEL (0.105" MIN.)	1/4"-14 x 1" ITW BUILDEX TEKS SELF-DRILLING FASTENER	23 1/2"	1" O.D.
1/8" STEEL	1/4"-14 x 1" ITW BUILDEX TEKS SELF-DRILLING FASTENER	24"	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: 2-1/2", EXCLUDING STUCCO THICKNESS. EXCEPTION FOR TAPCON -- MINIMUM EDGE DISTANCE FOR TAPCON FASTENER IS 1-1/4", EXCLUDING STUCCO THICKNESS.

OTHER JAMB CONFIGURATIONS: REFER TO DASMA TDS-161. A LICENSED DESIGN PROFESSIONAL MAY ALSO BE EMPLOYED TO APPROVE ALTERNATE FASTENERS AND/OR JAMB CONFIGURATIONS.

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

27 GA. MIN. STEEL GALV.
EXTERIOR SKIN WITH
BAKED-ON PRIMER AND
A BAKED-ON POLYESTER
PAINTED TOP COAT.



SECTION A-A (SIDE VIEW)

DESIGN LOADS: +38.0 P.S.F. & -42.0 P.S.F.
TEST LOADS: +57.0 P.S.F. & -63.0 P.S.F.

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Clopay
CORPORATION

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

DESCRIPTION: MODERN STEEL 2" INTELLICORE +38/-42 PSF TO 9' W			
DRAWN BY: SH	DATE: 12/2015	SCALE: NTS	DWG. B
CHECKED BY: --	DATE: --	SHEET 3 OF 5	SIZE
DWG. NO.: 104859 - A/B	VER: IBC		

MANUFACTURING PRODUCT CODE
DSIUA-1F477

PART NO.: N/A

WINDLOAD RATING
W6 DP38

BRAND	MODERN STEEL		COMMERCIAL DOORS	
	FLUSH	GROOVED	FLUSH	GROOVED
CLOPAY	9208, HDPC2	9209, HDPCR2	3728	3729
HOLMES	7208	7209	--	C7R20

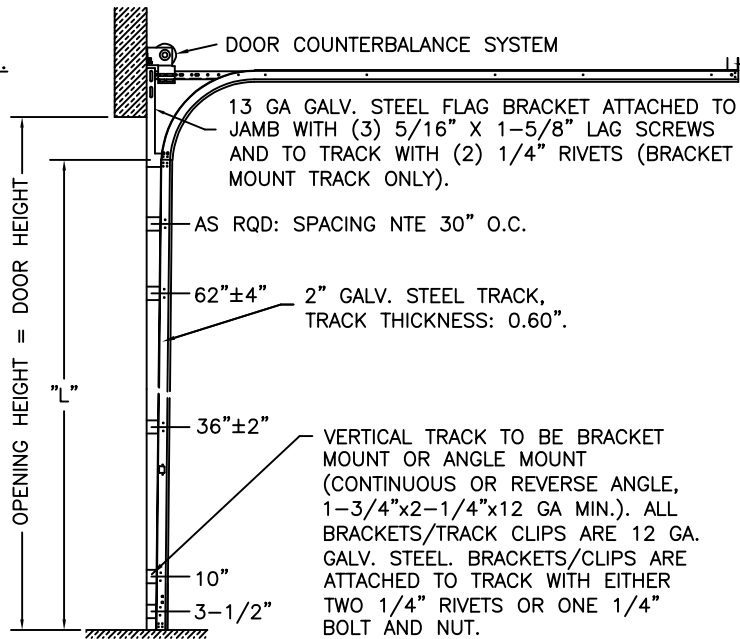
SEE SHEET 5 FOR "CANYON
RIDGE MODERN SERIES"
MODELS.

SHEET:
4 OF 5

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

2" TRACK CONFIGURATION.

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"

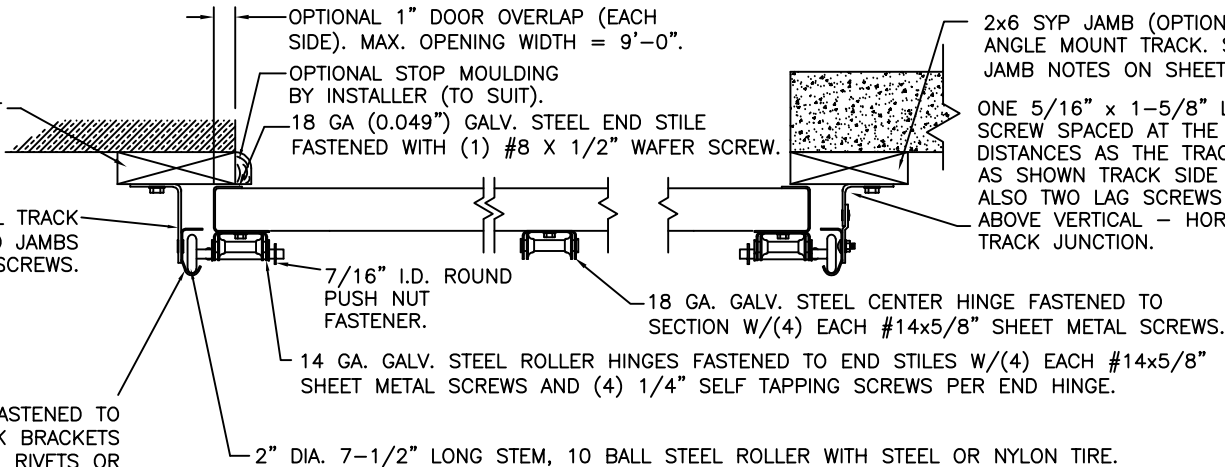
HORIZONTAL TRACK
SUPPORT BY DOOR
INSTALLER (TO SUIT).

2x6 SYP WOOD JAMB.
REQUIRED FOR BRACKET
MOUNT.

2-1/2" X 12 GA GALV. STEEL TRACK
BRACKETS FASTENED TO WOOD JAMBS
WITH 5/6" X 1-5/8" LAG SCREWS.

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.

BRACKET MOUNT JAMB CONFIGURATION



SECTION C-C

PREPARATION OF JAMBS BY OTHERS.

JAMB CONFIGURATION.

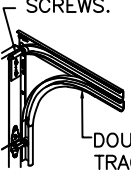
ANGLE MOUNT JAMB CONFIGURATION
(CONTINUOUS ANGLE SHOWN,
REVERSE ANGLE ALSO APPROVED)

2x6 SYP JAMB (OPTIONAL FOR
ANGLE MOUNT TRACK. SEE
JAMB NOTES ON SHEET 3).

ONE 5/16" x 1-5/8" LAG
SCREW SPACED AT THE SAME
DISTANCES AS THE TRACK CLIPS
AS SHOWN TRACK SIDE VIEW.
ALSO TWO LAG SCREWS LOCATED
ABOVE VERTICAL - HORIZONTAL
TRACK JUNCTION.

3" TRACK IS ALSO AVAILABLE.

LHR BRACKET (2-1/2" x 5-3/4" x 12GA)
ATTACHED WITH (2) 1/4" x 3/4" SELF TAPPING
SCREWS.



DOUBLE HORIZONTAL
TRACK.

DOUBLE TRACK
LOW HEADROOM OPTION

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

DESIGN LOADS: +38.0 P.S.F. & -42.0 P.S.F.
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Unless Stated Otherwise
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Clopay
CORPORATION

8585 Duke Boulevard
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DESCRIPTION: MODERN STEEL 2" INTELICORE +38/-42 PSF TO 9' W

DRAWN BY: SH

DATE: 12/2015

SCALE: NTS

DWG.
SIZE B

CHECKED BY: --

DATE: --

SHEET 4 OF 5

DWG. NO.: 104859 - A/B

VER: IBC

MANUFACTURING PRODUCT CODE
DSIUA-1F477

PART NO.: N/A

WINDLOAD RATING
W6 DP38

CLOPAY 'CANYON RIDGE MODERN SERIES': CRM2nnn

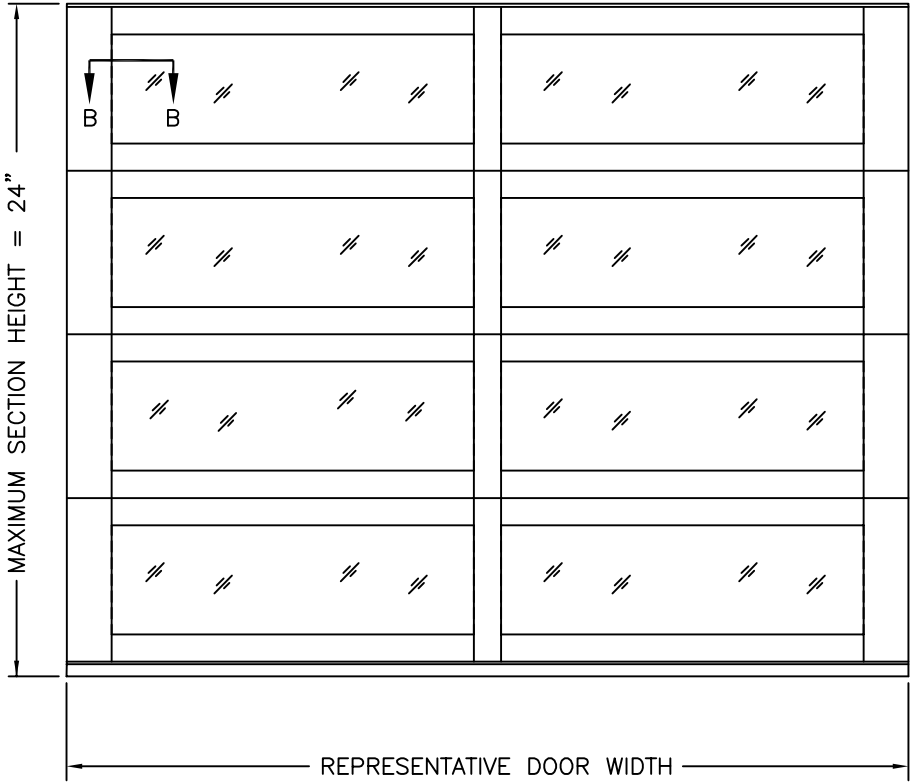
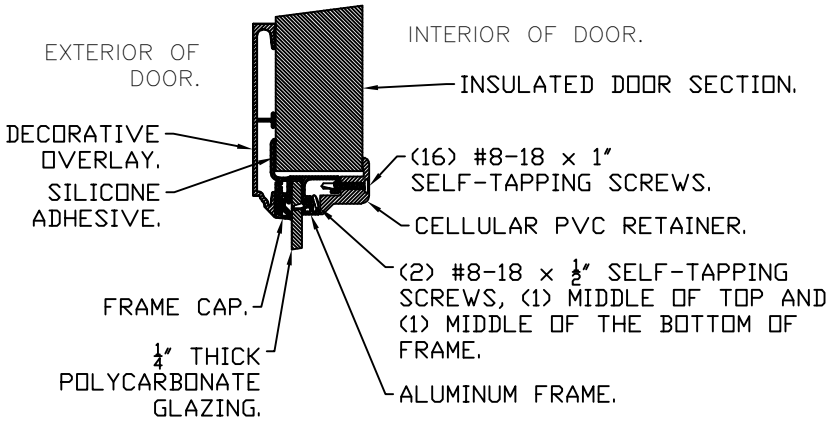
HOLMES 'GLENMOOR MODERN SERIES': GLM2nnn

IDEAL 'CUSTOM CRAFTED MODERN WOOD-LOOK' SERIES: WLM2nnn

NOTE: "nnn" REPRESENTS THE ARRANGEMENT OF THE DECORATIVE OVERLAYS. DOORS MAY HAVE 'PLANK' APPEARANCE, ALUMINUM INLAYS, OR "FULL VISION".

SHEET: 5 OF 5		REVISIONS				
REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION	
04	—	—	—	—	SEE REVISION HISTORY ON SHEET ONE.	

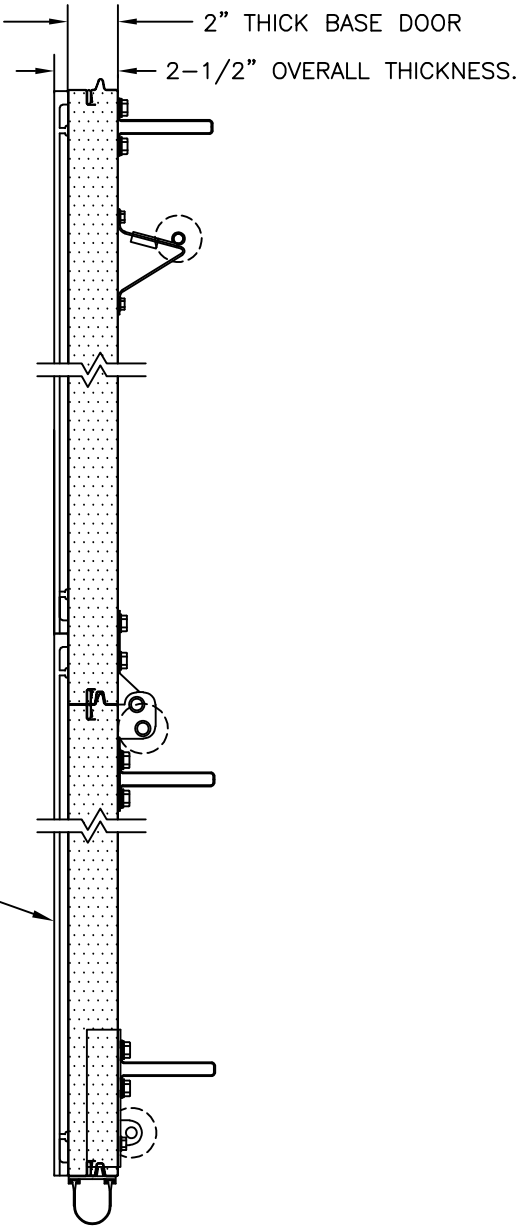
SECTION B-B (CANYON RIDGE TYPE IMPACT-RESISTANT GLAZING OPTION)



FULL VISION GLAZING SHOWN.

OPTIONAL GLAZING MAY BE STANDARD (DSB OR BETTER) OR IMPACT RESISTANT GLAZING. MAXIMUM GLAZING SIZE (DLO) IS 39-1/4"x13-1/4". GLAZING MAY BE FULL VISION, SHORT-PLANK OR LONG-PLANK. SEE SECTION B-B ON SHEET 5 FOR IMPACT RESISTANT DETAILS OR SECTION B-B ON SHEET 2 STANDARD CONSTRUCTION. GLAZING MAY BE INSTALLED IN ANY LOCATION IN ANY OR ALL SECTIONS.

CANYON-RIDGE TYPE MODERN SERIES: HIGH DENSITY MOLDED COMPOSITE CLADDING OR OVERLAYS ADHERED TO OUTSIDE SKIN WITH PERMANENT ADHESIVE.

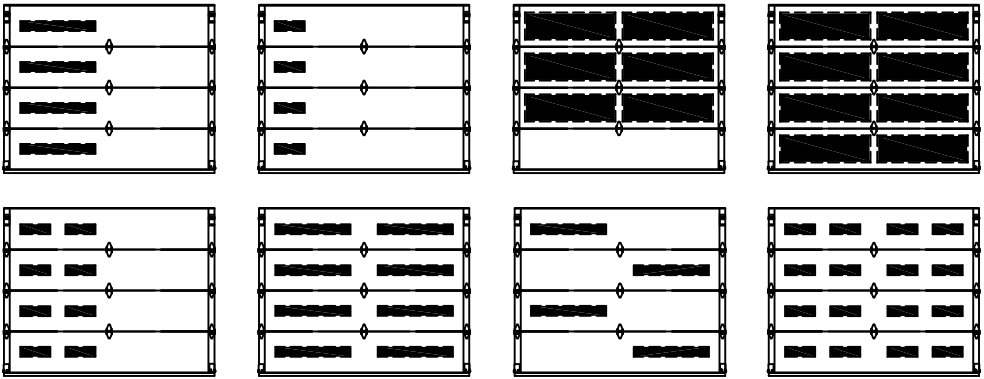


SECTION A-A (SIDE VIEW)

"CANYON RIDGE" TYPE OVERLAY DOORS

- NOTES:
- "CANYON RIDGE" TYPE DOORS USE THE SAME REINFORCEMENTS AND BASE SECTION CONSTRUCTION AND TRACK CONFIGURATION DESCRIBED ON SHEETS 1-4 OF THIS DRAWING.
 - "CANYON RIDGE" TYPE DOORS ARE IMPACT RESISTANT WITH IMPACT RESISTANT GLAZING AND FRAME AS SHOWN IN DETAIL B-B ABOVE.

REPRESENTATIVE GLAZING PATTERNS.



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SHEET 5 OF 5

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WINDLOAD RATING
W6 DP38