

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.

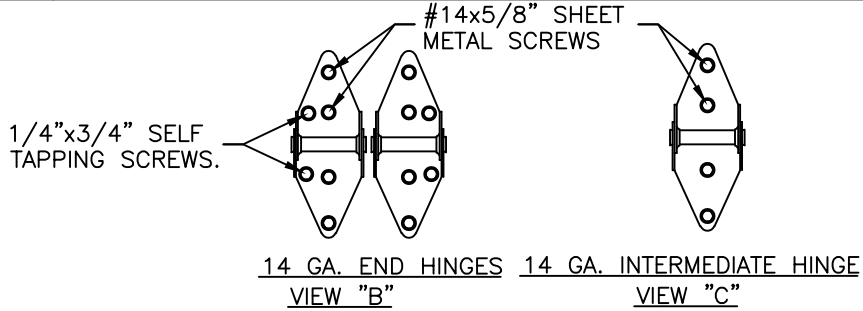
SHEET:
1 OF 5

REVISIONS					
REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
02	—	6/14/17	—	SH	ADDED CRM MODELS.
03	—	8/6/20	—	SH	UPDATED TITLE BLOCK AND REMOVED WIND CHART.
04	—	10/3/25	—	JDW	UPDATED IMPACT RESISTANT WINDOW DETAILS.

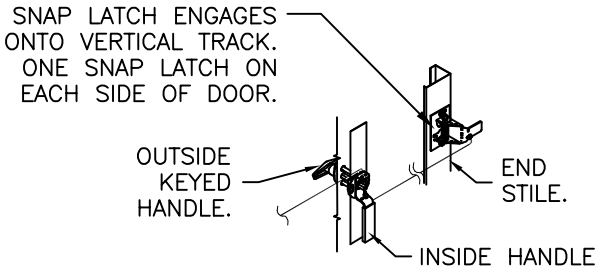
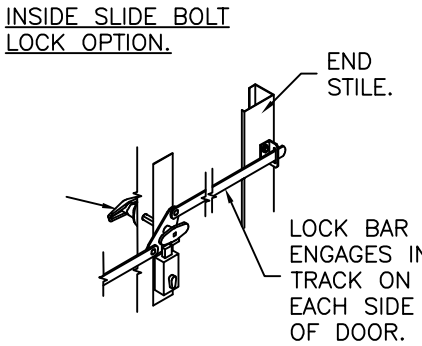
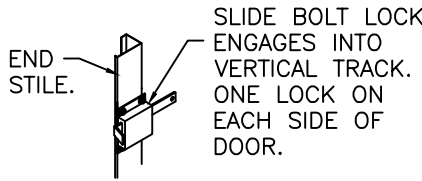
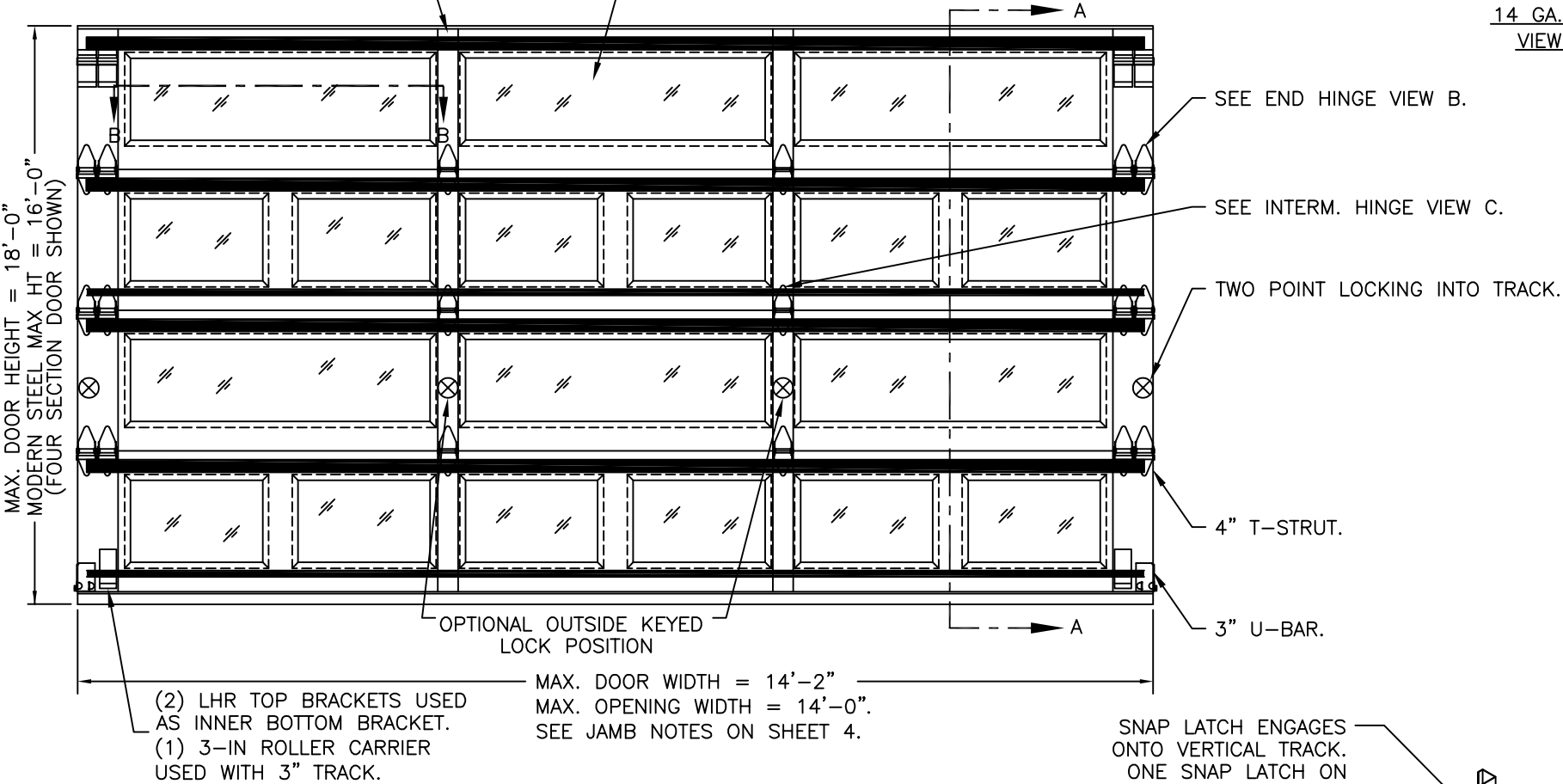
MIXED GLAZING SHOWN.

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

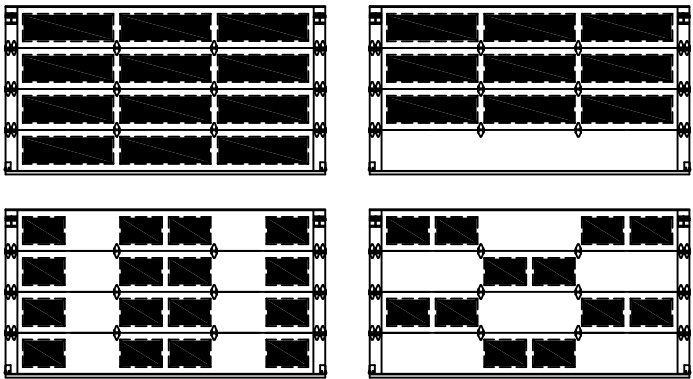
OPTIONAL IMPACT RESISTANT GLAZING.
MAXIMUM GLAZING SIZE (DLO) IS
39-1/4"x13-1/4". GLAZING MAY BE
SHORT-PANEL OR LONG-PANEL. SEE
SECTION B-B ON SHEET 2 FOR DETAILS.
GLAZING MAY BE INSTALLED IN ANY
LOCATION IN ANY OR ALL SECTIONS.



DOOR HEIGHT	# OF SECTIONS	# OF U-BARS	# OF T-STRUTS
UP TO 6'0"	3	2	3
6'3" TO 8'0"	4	2	4
8'3" TO 10'0"	5	3	5
10'3" TO 12'0"	6	3	6
12'3" TO 14'0"	7	4	7
14'3" TO 16'0"	8	4	8
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.

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

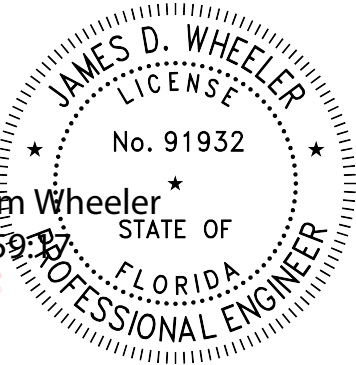
8585 Duke Boulevard
Mason, OH 45040 USA
Tel. No. 513-770-4800
Fax No. 513-770-4853

DESCRIPTION: MODERN STEEL 2" INTELICORE +46/-52 PSF TO 14' W			
DRAWN BY: SH	DATE: 12/2015	SCALE: NTS	DWG. SIZE B
CHECKED BY: --	DATE: --	SHEET 1 OF 5	
DWG. NO.: 105019	VER: IBC		

MANUFACTURING PRODUCT CODE DSIUA-1F477
PART NO.: N/A

WINDLOAD RATING
W8 DP46T

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



Digitally signed by Jim Wheeler
Date: 2025.12.15 13:59:37
-05'00'

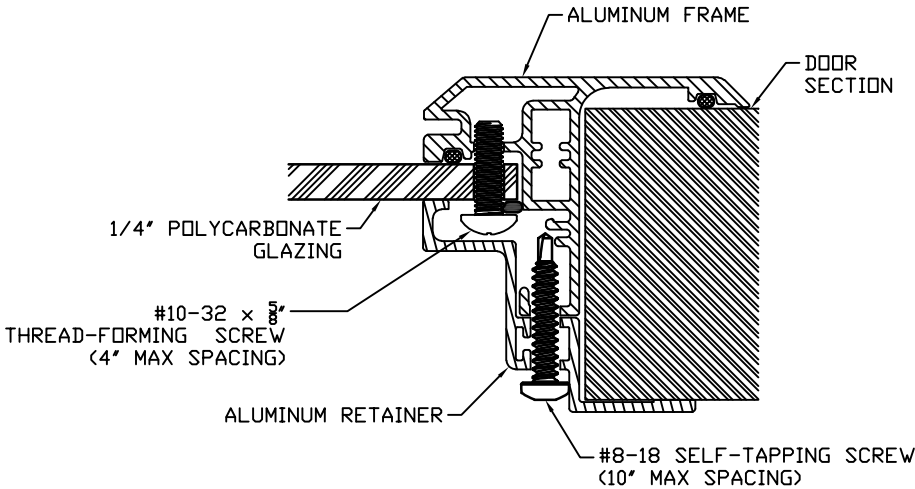
4			3		2					1		
BRAND	MODERN STEEL		COMMERCIAL DOORS		SEE SHEET 5 FOR "CANYON RIDGE MODERN SERIES" MODELS.	SHEET: 2 OF 5	REVISIONS					
	FLUSH	GROOVED	FLUSH	GROOVED			REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
CLOPAY	9208, HDPC2	9209, HDPCR2	3728	3729			04	—	—	—	—	SEE REVISION HISTORY ON SHEET ONE.
HOLMES	7208	7209	--	C7R20								

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

IMPACT-RESISTANT CONSTRUCTION:

SOLID DOORS (NO GLAZING) OR DOORS WITH OPTIONAL IMPACT-RESISTANT GLAZING ARE IMPACT-RESISTANT. OPTIONAL IMPACT RESISTANT ASSEMBLY CONSISTS OF ALUMINUM FRONT FRAME GE LEXAN MR10, AN APPROVED C1 PLASTIC IN ACCORDANCE WITH IBC/FBC 2606 AND AN APPROVED C1 PLASTIC IN ACCORDANCE WITH FBC 2612. THE ENTIRE DOOR ASSEMBLY INSTALLED IN COMPLIANCE WITH THIS SECTION MEETS THE WIND LOAD REQUIREMENTS OF THE FLORIDA BUILDING CODE AND INTERNATIONAL BUILDING CODE AND IS LARGE- AND SMALL-MISSILE IMPACT RESISTANT.

SECTION B-B (IMPACT-RESISTANT GLAZING OPTION)



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

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.0 = ±.031
.00 = ±.015
.000 = ±.005
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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: MODERN STEEL 2" INTELICORE +46/-52 PSF TO 14' W			
DRAWN BY: SH	DATE: 12/2015	SCALE: NTS	DWG. SIZE B
CHECKED BY: --	DATE: --	SHEET 2 OF 5	
DWG. NO.: 105019	VER: IBC		

4

3

2

1

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

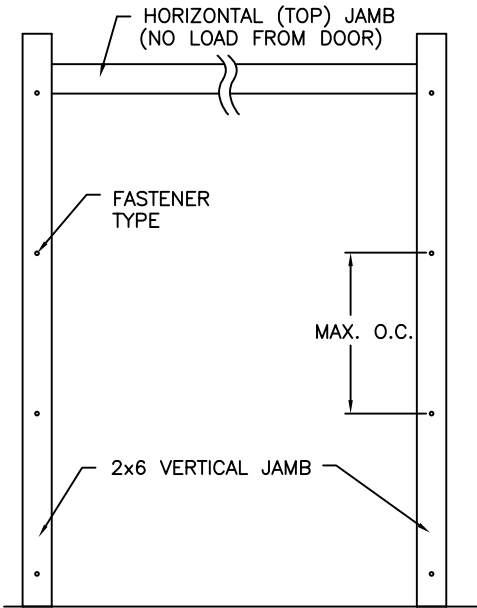
SEE SHEET 5 FOR "CANYON
RIDGE MODERN SERIES"
MODELS.

SHEET:
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.



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 +322 LB & -364 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.

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.

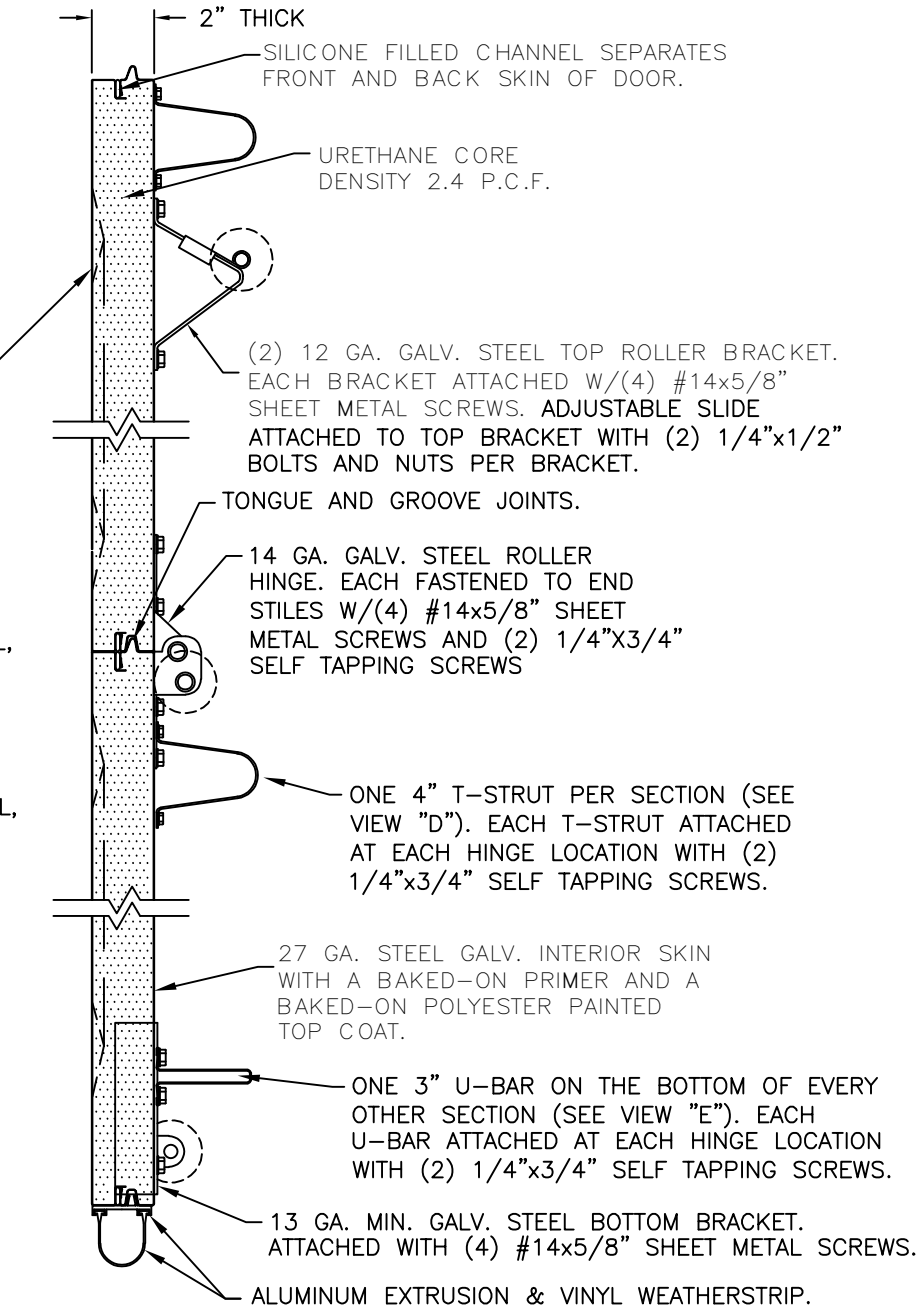
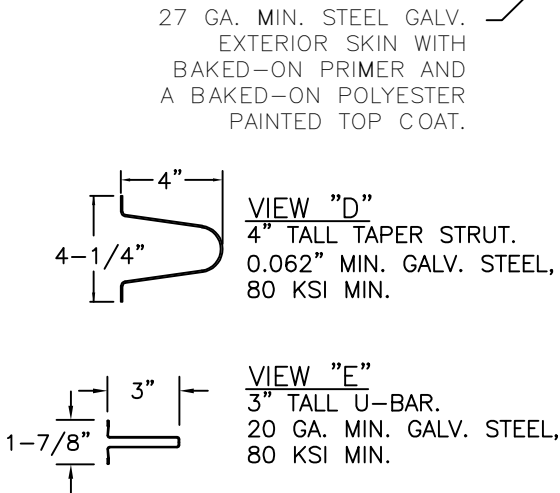
2x6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT
(NOT TO BE USED FOR ATTACHMENT OF TRACK ANGLE TO 2x6 VERTICAL JAMBS)

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	5'	1' O.D.
GROUT-FILLED CMU BLOCK	1/4" x 1-1/4" MIN. EMBED ULTRACON CONCRETE ANCHOR	8 1/2'	1' O.D.
2000 PSI MIN. CONCRETE	1/4" x 1" MIN. EMBED ULTRACON CONCRETE ANCHOR	7 1/4'	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	15 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	16 3/4'	1' O.D.
14GA STEEL (0.060" MIN.)	1/4"-14 x 1" ITW BUILDEX TEKS SELF-DRILLING FASTENER	7'	1' O.D.
12GA STEEL (0.105" MIN.)	1/4"-14 x 1" ITW BUILDEX TEKS SELF-DRILLING FASTENER	12 1/4'	1' O.D.
1/8" STEEL	1/4"-14 x 1" ITW BUILDEX TEKS SELF-DRILLING FASTENER	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: 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



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.

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Clopay
CORPORATION

8585 Duke Boulevard
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Tel. No. 513-770-4800
Fax No. 513-770-4853

MANUFACTURING PRODUCT CODE DSIUA-1F477			
PART NO.: N/A			
WINDLOAD RATING W8 DP46T			
DESCRIPTION: MODERN STEEL 2" INTELICORE +46/-52 PSF TO 14' W			
DRAWN BY: SH	DATE: 12/2015	SCALE: NTS	DWG. B
CHECKED BY: --	DATE: --	SHEET 3 OF 5	SIZE
DWG. NO.: 105019		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: 4 OF 5	REVISIONS					
	REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
	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 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" VERTICAL TRACK TO BE BRACKET MOUNT OR ANGLE MOUNT (CONTINUOUS OR REVERSE ANGLE, 1-3/4"x2-1/4"x12 GA MIN.). ALL BRACKETS/TRACK CLIPS ARE 12 GA. GALV. STEEL. BRACKETS/CLIPS ARE ATTACHED TO TRACK WITH EITHER TWO 1/4" RIVETS OR ONE 1/4" BOLT AND NUT.

24"

10"

3-1/2"

OPENING HEIGHT = 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.

BRACKET MOUNT JAMB CONFIGURATION

2x6 SYP WOOD JAMB. REQUIRED FOR BRACKET MOUNT.

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

1" DOOR OVERLAP (EACH SIDE). MAX. OPENING WIDTH = 14'-0".

OPTIONAL STOP MOULDING BY INSTALLER (TO SUIT).

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

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

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.

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 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.

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".

14" MAXIMUM SPACING FROM LAST MOUNTING SLOT TO TRACK JUNCTION

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

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

HORIZONTAL TRACK SUPPORT BY DOOR INSTALLER (TO SUIT).

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 FOR 3" TRACK.

2x6 SYP JAMB (IF PRESENT; SEE JAMB NOTES ON SHEET 3).

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.

1" DOOR OVERLAP (EACH SIDE)

OPTIONAL STOP MOULDING BY DOOR INSTALLER (TO SUIT).

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

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

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

DOUBLE TRACK LOW HEADROOM OPTION

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.

DESIGN ENGINEER:
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MANUFACTURING PRODUCT CODE DSIUA-1F477		PART NO.: N/A	
WINDLOAD RATING W8 DP46T		DESCRIPTION: MODERN STEEL 2" INTELICORE +46/-52 PSF TO 14' W	
DRAWN BY: SH	DATE: 12/2015	SCALE: NTS	DWG. SIZE B
CHECKED BY: --	DATE: --	SHEET 4 OF 5	VER: IBC
DWG. NO.: 105019			

CLOPAY 'CANYON RIDGE MODERN SERIES': CRM2nnn

HOLMES 'GLENMOOR MODERN SERIES': GLM2nnn

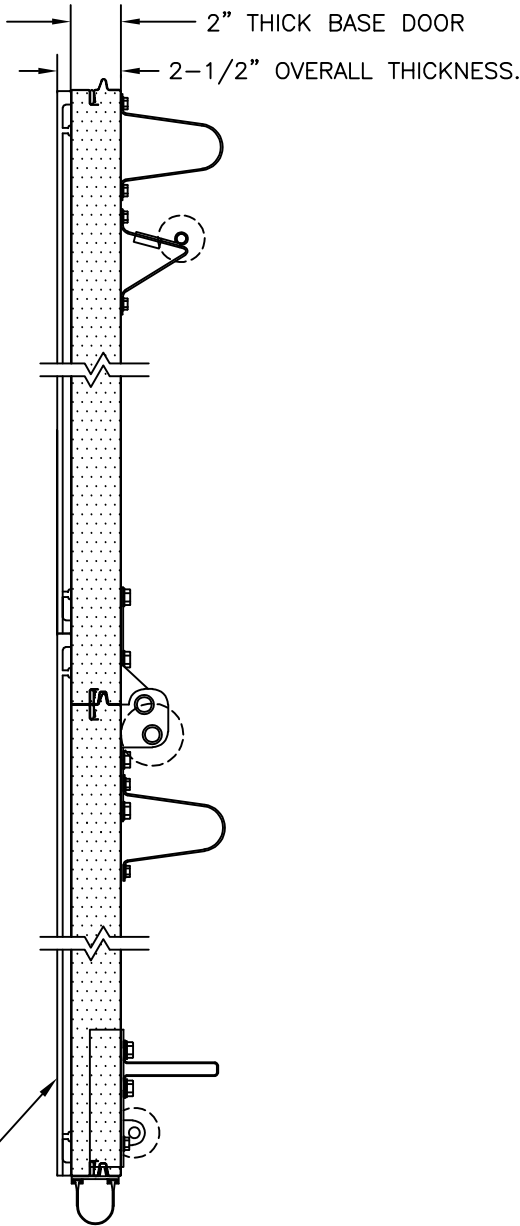
IDEAL 'CUSTOM CRAFTED MODERN WOOD-LOOK' SERIES: WLM2nnn

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

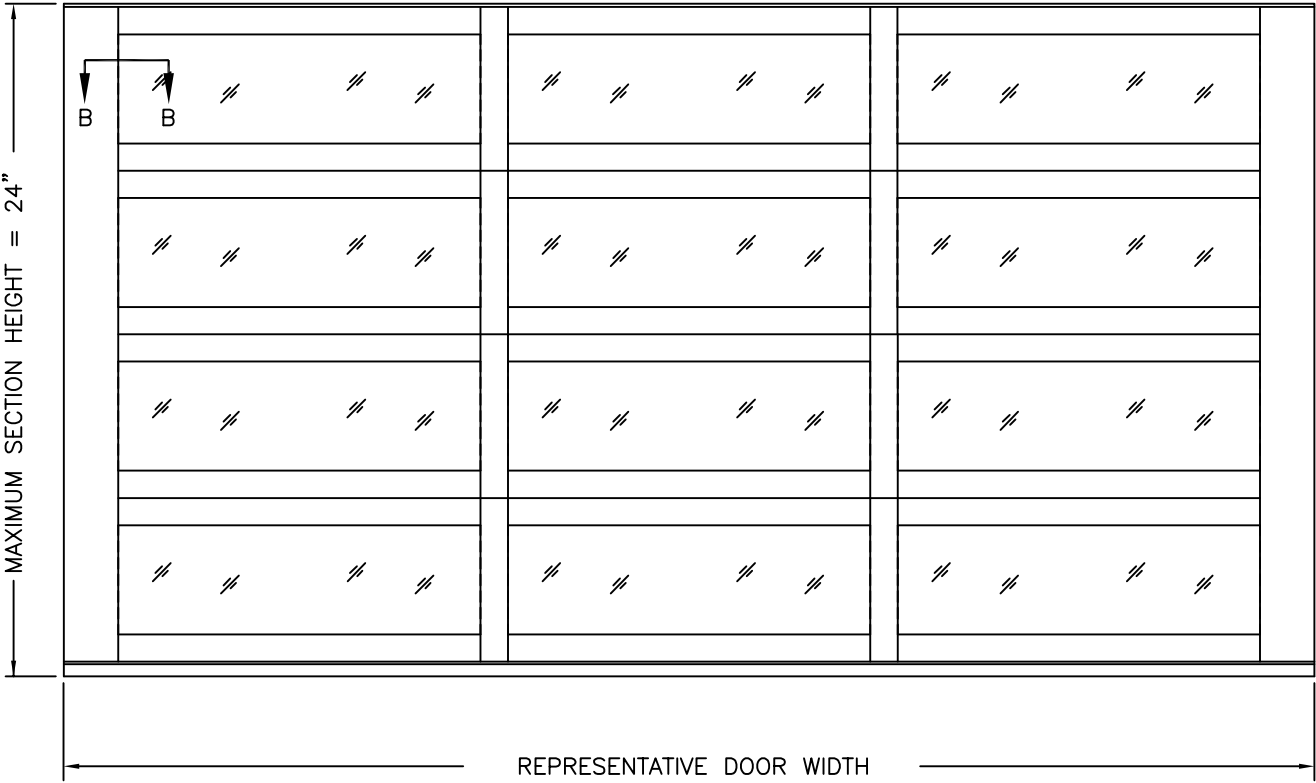
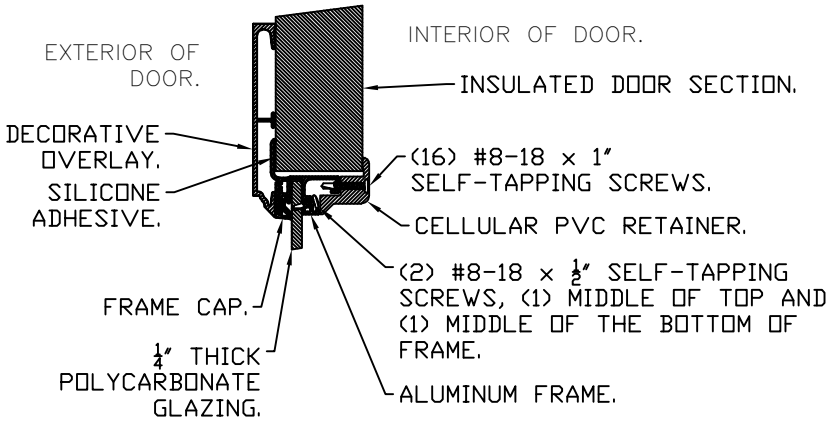
SHEET:		REVISIONS				
5 OF 5		REV. NO.	ZONE:	DATE:	ECN NO.	DESCRIPTION
		04	-	-	-	SEE REVISION HISTORY ON SHEET ONE.

FULL VISION GLAZING SHOWN.

OPTIONAL GLAZING IS 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.



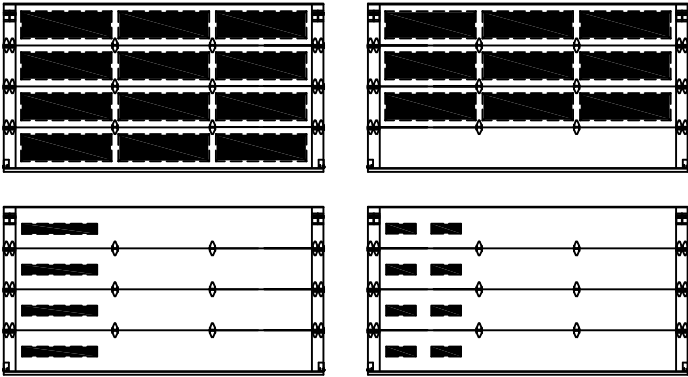
SECTION B-B (CANYON RIDGE TYPE IMPACT-RESISTANT GLAZING OPTION)



"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.



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.

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

SECTION A-A (SIDE VIEW)

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

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TEST LOADS: +69.0 P.S.F. & -78.0 P.S.F.

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DESCRIPTION: MODERN STEEL 2" INTELICORE +46/-52 PSF TO 14' W			
DRAWN BY: SH	DATE: 12/2015	SCALE: NTS	DWG. B
CHECKED BY: --	DATE: --	SHEET 5 OF 5	SIZE
DWG. NO.: 105019		VER: IBC	

MANUFACTURING PRODUCT CODE
DSIUA-1F477

PART NO.: N/A

WINDLOAD RATING
W8 DP46T