

| 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 | | | | | DESCRIPTION |
|-----------|------|---------|---------|--------|----------------------|
| REV. NO. | ZONE | DATE | ECN NO. | APPVD. | |
| 00 | - | 9/13/21 | - | JDW | REVISED FOR RELEASE. |

MIXED GLAZING SHOWN.

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

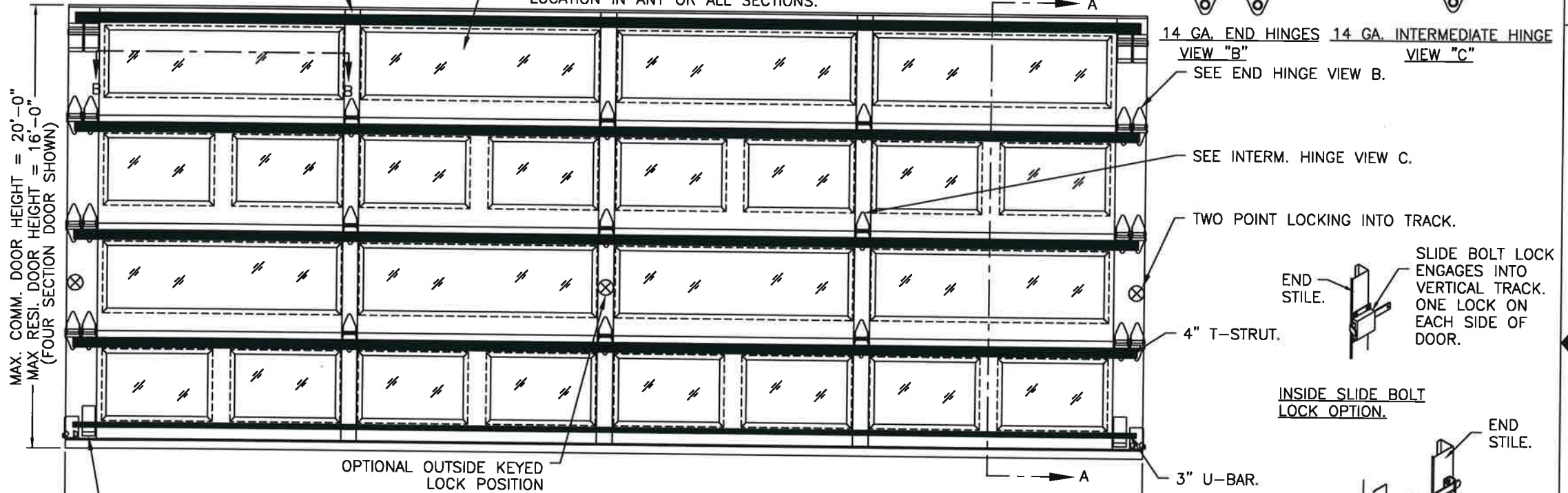
OPTIONAL GLAZING MAY BE IMPACT RESISTANT (SEE DETAIL A ON SHEET 2) OR STANDARD (SEE DETAIL B ON SHEET 2). MAXIMUM GLAZING SIZE (DLO) IS 39-1/4"x13-1/4". GLAZING MAY BE SHORT-PANEL OR LONG-PANEL. GLAZING MAY BE INSTALLED IN ANY LOCATION IN ANY OR ALL SECTIONS.

1/4"x3/4" SELF TAPPING SCREWS.

#14x5/8" SHEET METAL SCREWS

| 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 |
| 16'3" TO 18'0" | 9 | 14 |
| 18'3" TO 20'0" | 10 | 15 |

MAX SECTION HEIGHT: 24'



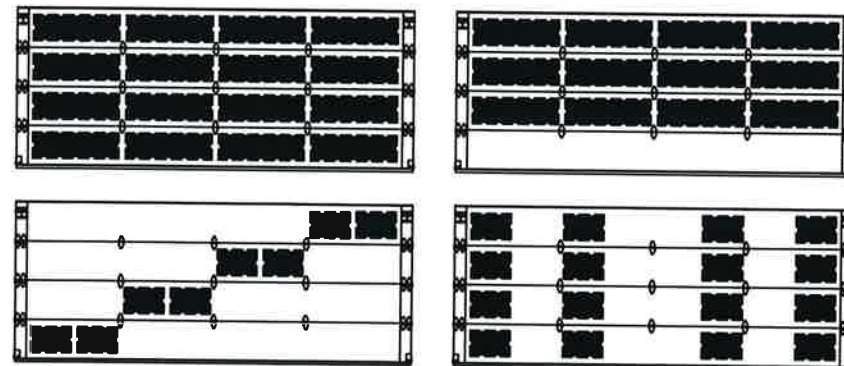
MAX. COMM. DOOR HEIGHT = 20'-0"
MAX. RESI. DOOR HEIGHT = 16'-0"
(FOUR SECTION DOOR SHOWN)

OPTIONAL OUTSIDE KEYED LOCK POSITION

(2) LHR TOP BRACKETS USED AS INNER BOTTOM BRACKET.
(1) 3-IN ROLLER CARRIER USED WITH 3" TRACK.

MAX. DOOR WIDTH = 16'-2"
MAX. OPENING WIDTH = 16'-0"
SEE JAMB NOTES ON SHEET 4.

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.

SNAP LATCH ENGAGES ONTO VERTICAL TRACK. ONE SNAP LATCH ON EACH SIDE OF DOOR.

OUTSIDE KEYED HANDLE.

END STILE.

INSIDE HANDLE

OUTSIDE KEYED LOCK WITH SNAP LATCH LOCK OPTION.

OUTSIDE KEYED LOCK WITH LOCK BAR LOCKING.

THIS PRODUCT COMPLIES WITH THE 2018 IBC/IRC.

MANUFACTURING PRODUCT CODE
DSIUA-1F477

PART NO.: N/A

WINDLOAD RATING
W6 DP38T

Clipay 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 16' W

DRAWN BY: JDW DATE: 09/2021 SCALE: NTS DWG. SIZE B

CHECKED BY: -- DATE: -- SHEET 1 OF 5

DWG. NO.: 105042 - A/B VER: TDI

STATE OF TEXAS
MARK WESTERFIELD
91513
DESIGN ENGINEER
FLORIDA P.E. #48495, NC P.E. #23832, TEXAS P.E. #91513

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

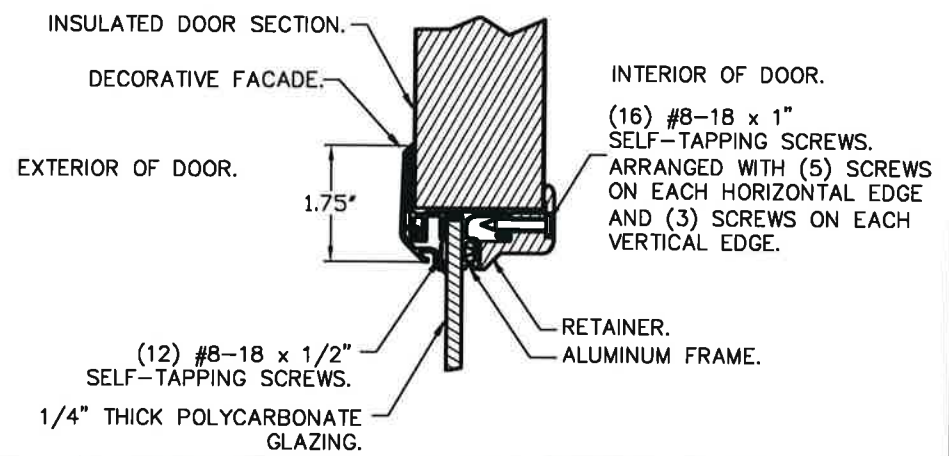
SEE SHEET 5 FOR "CANYON RIDGE MODERN SERIES" MODELS.

SHEET:
2 OF 5

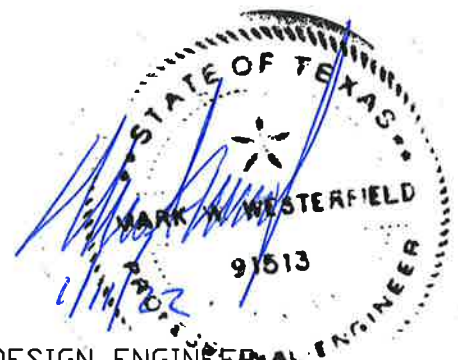
| REVISIONS | | | | | |
|-----------|-------|-------|---------|--------|------------------------------------|
| REV. NO. | ZONE: | DATE: | ECN NO. | APPVD: | DESCRIPTION |
| 00 | - | - | - | - | SEE REVISION HISTORY ON SHEET ONE. |

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 AND SABIC IP LEXAN 9034 (VERSIONS ALSO APPROVED: MR10, 9030, 90318, 90316, 90317, 90311, 90314, 90355) OR BAYER MAKROLON GP (VERSIONS ALSO APPROVED: SL, AR, 15), APPROVED CC1 PLASTICS 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)



**IMPACT-RESISTANT ASSEMBLY DETAILS
DETAIL A**



DESIGN ENGINEER
 MARK WESTERFIELD, P.E.
 FLORIDA P.E. #48495, NC P.E. #23832, TEXAS P.E. #91513

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
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MANUFACTURING PRODUCT CODE
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PART NO.: N/A

WINDLOAD RATING
W6 DP38T

| | | | |
|--|---------------|--------------|--------|
| DESCRIPTION: MODERN STEEL 2" INTELICORE +38/-42 PSF TO 16' W | | | |
| DRAWN BY: JDW | DATE: 09/2021 | SCALE: NTS | DWG. B |
| CHECKED BY: -- | DATE: -- | SHEET 2 OF 5 | SIZE B |
| DWG. NO.: 105042 - A/B | | VER: TDI | |

| 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

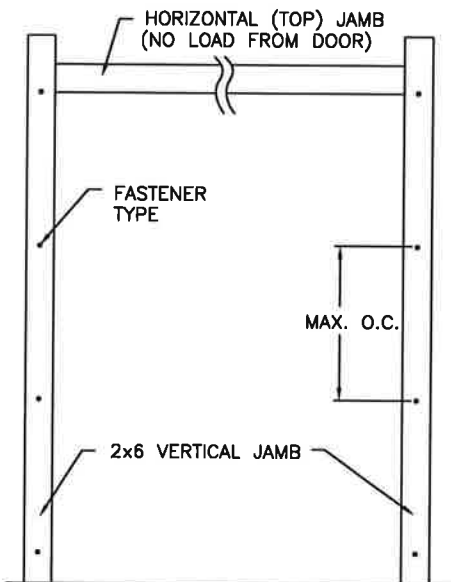
| REVISIONS | | | | | DESCRIPTION |
|-----------|------|------|---------|--------|------------------------------------|
| REV. NO. | ZONE | DATE | ECN NO. | APPVD. | |
| 00 | - | - | - | - | SEE REVISION HISTORY ON SHEET ONE. |

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 +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.

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.

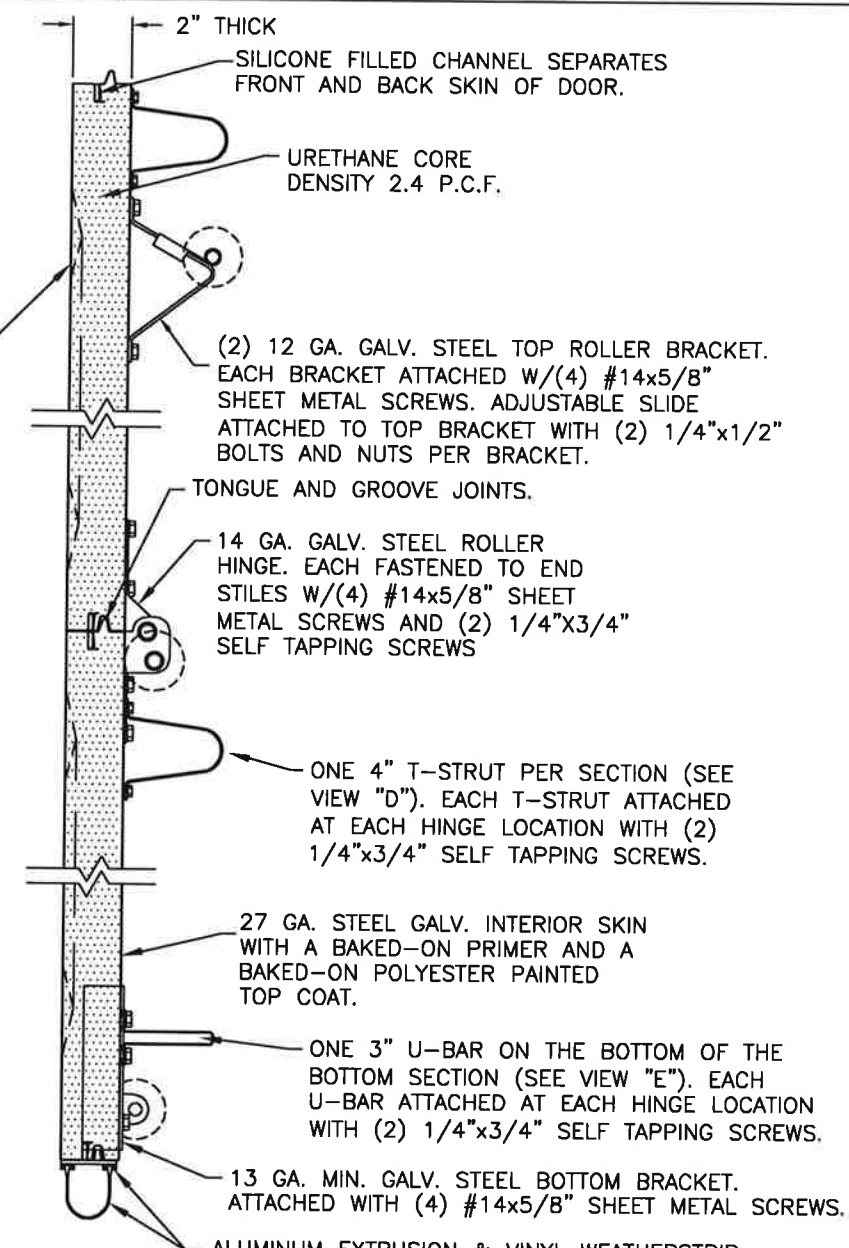
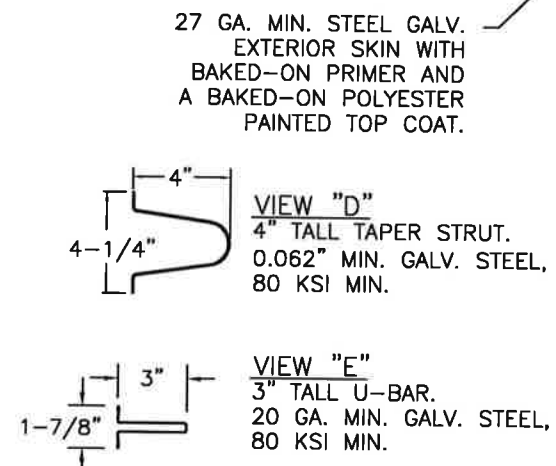


2x6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT (NOT TO BE USED FOR ATTACHMENT OF TRACK ANGLE TO 2x6 VERTICAL JAMBS)

| 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 1/2' | 1" O.D. |
| GROUT-FILLED CMU BLOCK | 1/4" x 1-1/4" MIN. EMBED ULTRACON CONCRETE ANCHOR | 9' | 1" O.D. |
| 2000 PSI MIN. CONCRETE | 1/4" x 1" MIN. EMBED ULTRACON CONCRETE ANCHOR | 7 3/4' | 1" O.D. |
| 2000 PSI MIN. CONCRETE | 1/4" x 1" MIN. EMBED TAPCON CONCRETE ANCHOR | 7 1/4' | 1" O.D. |
| 2000 PSI MIN. CONCRETE | 3/8" x 1-3/4" MIN. EMBED WEJ-IT ANKR TITE SLEEVE ANCHOR | 16 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 | 17 3/4' | 1" O.D. |
| 14GA STEEL (0.060" MIN.) | 1/4"-14 x 1" ITW BUILDDEX TEKS SELF-DRILLING FASTENER | 7 1/2' | 1" O.D. |
| 12GA STEEL (0.105" MIN.) | 1/4"-14 x 1" ITW BUILDDEX TEKS SELF-DRILLING FASTENER | 13' | 1" O.D. |
| 1/8" STEEL | 1/4"-14 x 1" ITW BUILDDEX TEKS SELF-DRILLING FASTENER | 15 1/2' | 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.



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.

Unless Stated Otherwise
TOLERANCES are
.0 = ±.031
.00 = ±.015
.000 = ±.005
.0000 = ±.001
Degrees = ±1/2"

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

MANUFACTURING PRODUCT CODE
DSIUA-1F477

PART NO.: N/A

WINDLOAD RATING
W6 DP38T

DESCRIPTION: MODERN STEEL 2" INTELICORE +38/-42 PSF TO 16' W

DRAWN BY: JDW DATE: 09/2021 SCALE: NTS DWG. SIZE B

CHECKED BY: -- DATE: -- SHEET 3 OF 5

DWG. NO.: 105042 - A/B VER: TDI

STATE OF TEXAS
MARK W. WESTERFIELD
7-22-2022 91513
DESIGN ENGINEER
MARK WESTERFIELD, P.E.
FLORIDA P.E. #48495, NC P.E. #23832, TEXAS P.E. #91513

| 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

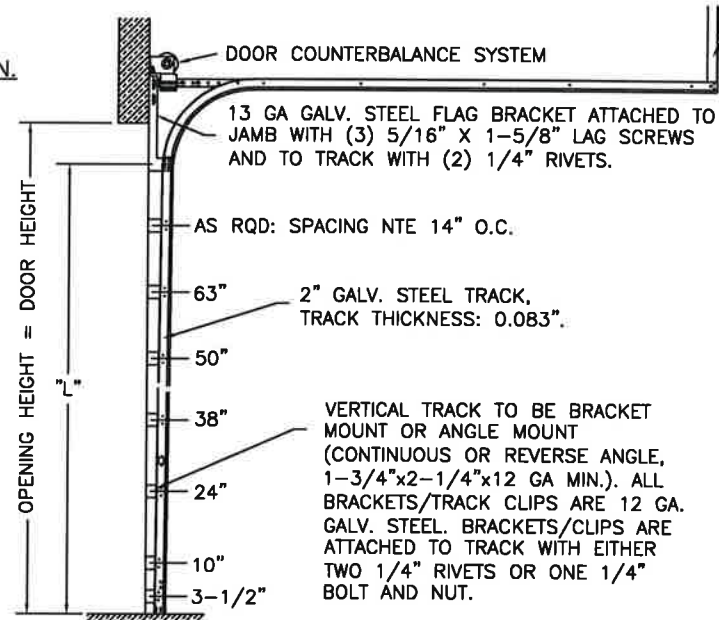
| REVISIONS | | | | | |
|-----------|------|------|---------|--------|------------------------------------|
| REV. NO. | ZONE | DATE | ECN NO. | APPVD. | DESCRIPTION |
| 00 | - | - | - | - | SEE REVISION HISTORY ON SHEET ONE. |

D
C
B
A

D
C
B
A

2" TRACK CONFIGURATION.

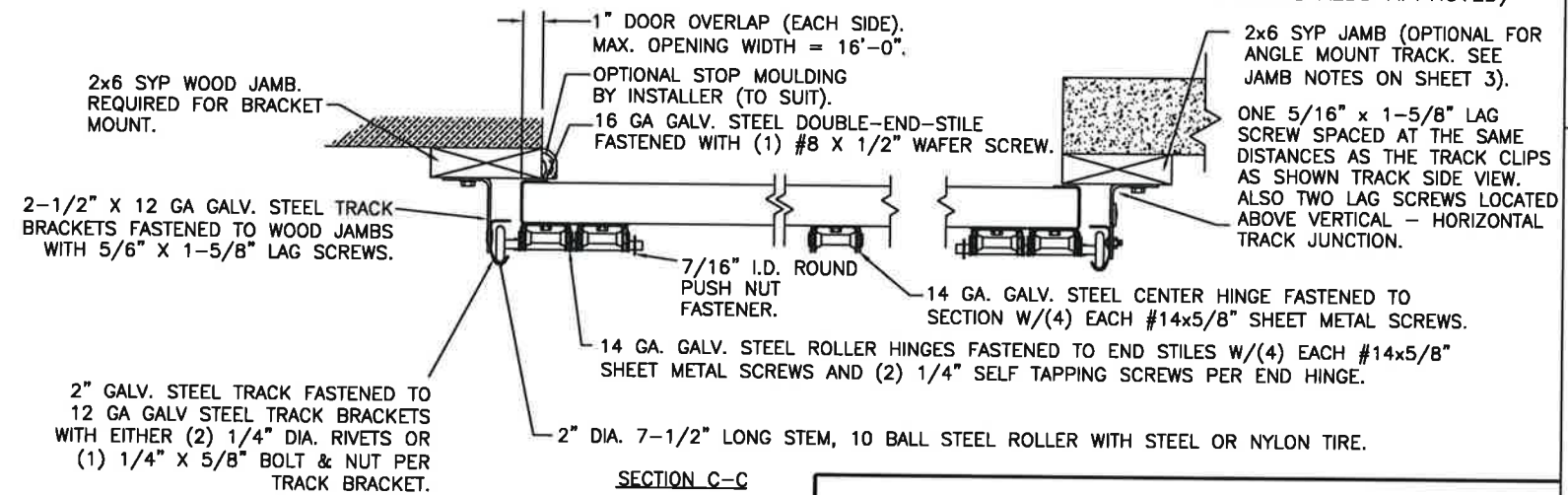
NOTE DOUBLE TRACK HEADROOM, HI-LIFT TRACK, FOLLOW-THE-ROOF TRACK, AND VERTICAL LIFT TRACK ARE AVAILABLE OPTIONS. TRACK CONFIGURATION ABOVE THE DOOR OPENING DOES NOT AFFECT THE WIND LOAD RATING.



| 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).

BRACKET MOUNT JAMB CONFIGURATION

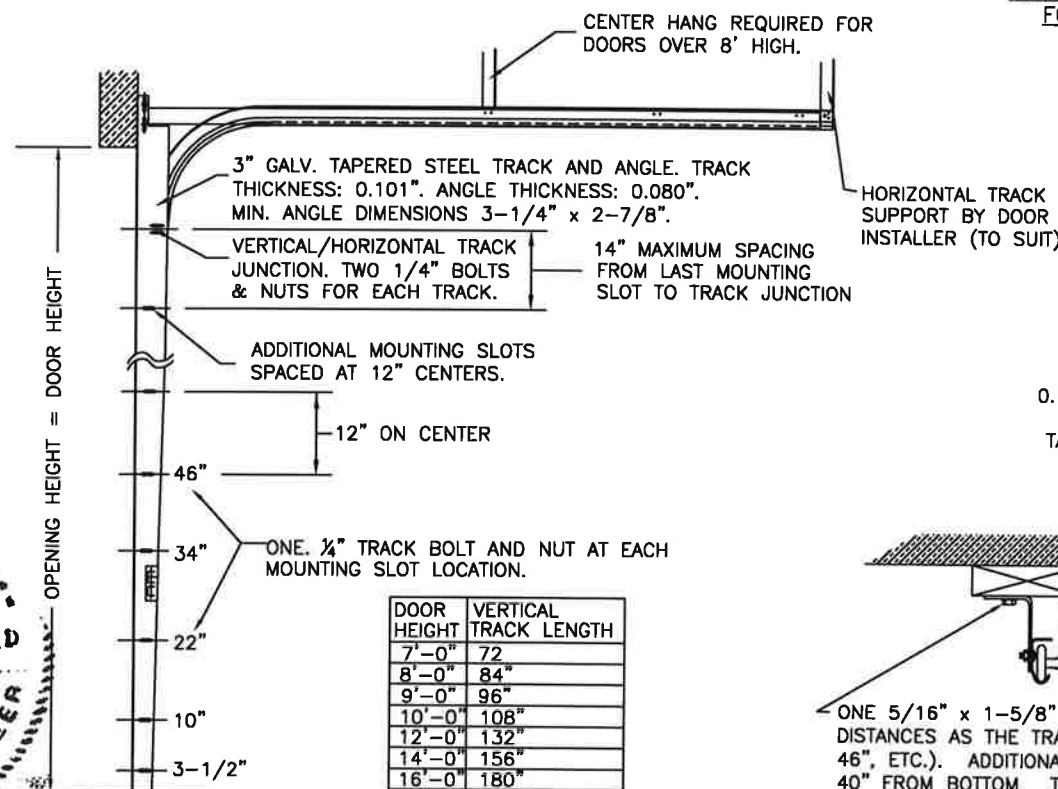


JAMB CONFIGURATION.

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

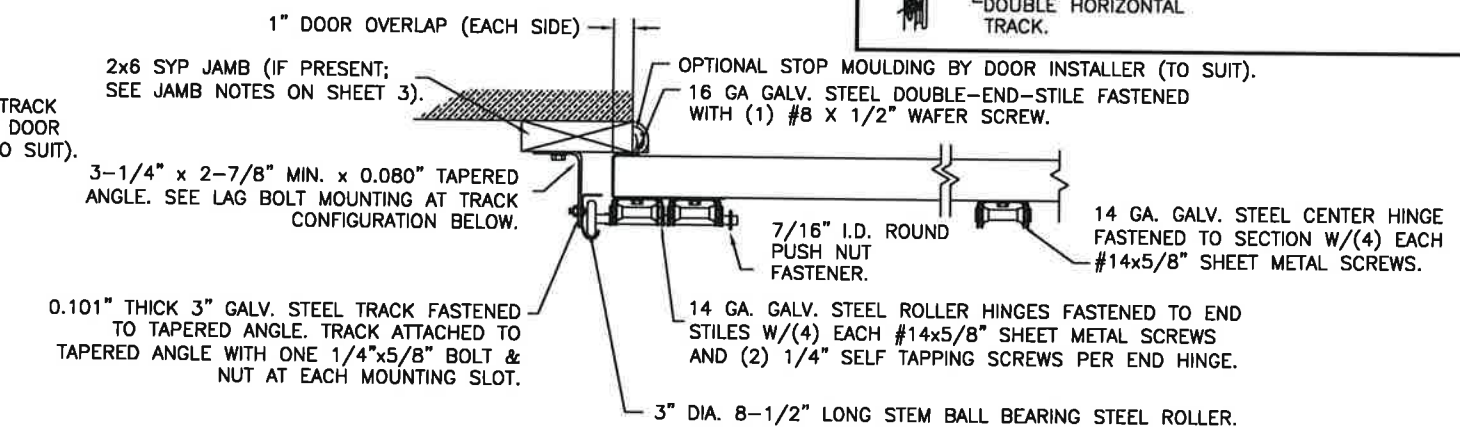
3" TRACK CONFIGURATION.

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.



| 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.



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.

DOUBLE TRACK LOW HEADROOM OPTION

DOUBLE HORIZONTAL TRACK.

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
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Clipay CORPORATION
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Fax No. 513-770-4853

| | | | |
|---|---------------|--|--------|
| MANUFACTURING PRODUCT CODE DSIUA-1F477 | | PART NO.: N/A | |
| WINDLOAD RATING W6 DP38T | | DESCRIPTION: MODERN STEEL 2" INTELICORE +38/-42 PSF TO 16' W | |
| DRAWN BY: JDW | DATE: 09/2021 | SCALE: NTS | DWG. B |
| CHECKED BY: -- | DATE: -- | SHEET 4 OF 5 | SIZE B |
| DWG. NO.: 105042 - A/B | | VER: TDI | |

DESIGN ENGINEER
MARK WESTERFIELD, P.E.
FLORIDA P.E. #48495, NC P.E. #23832, TEXAS P.E. #91513

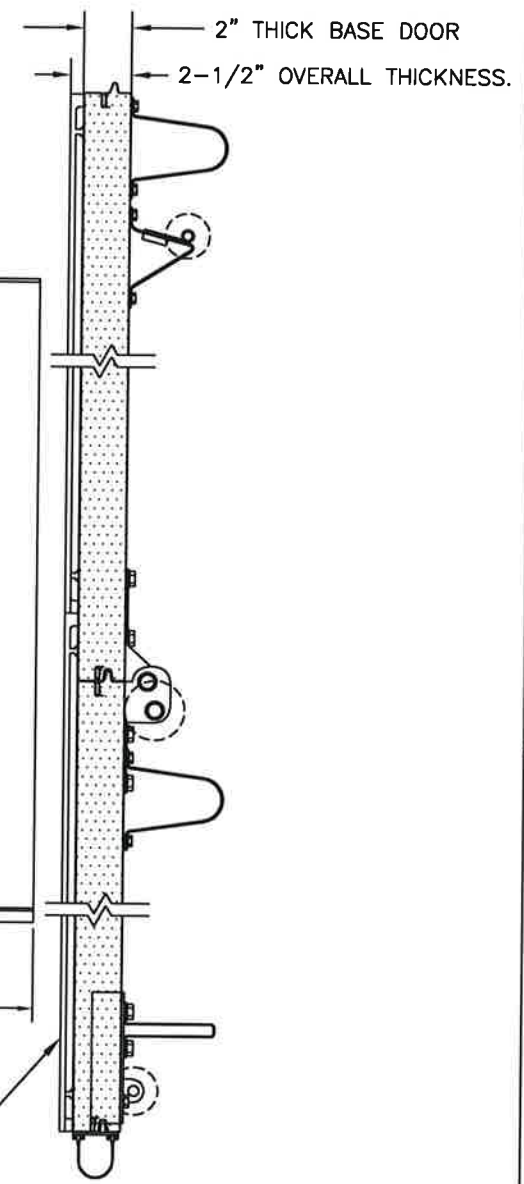
CLOPAY 'CANYON RIDGE MODERN SERIES': CRM2nnn
 HOLMES 'GLENMOOR MODERN SERIES': GLM2nnn
 IDEAL 'CUSTOM CRAFTED MODERN WOOD-LOOK' SERIES: WLM2nnn

SHEET
5 OF 5

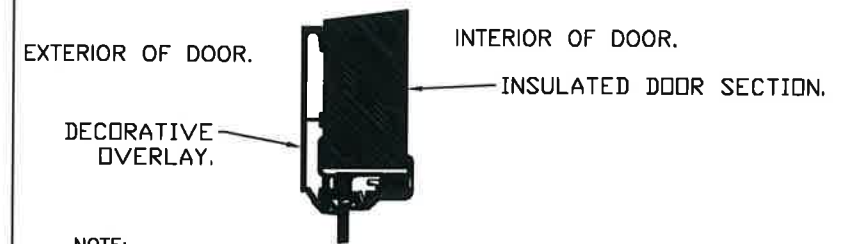
| REVISIONS | | | | | DESCRIPTION |
|-----------|------|------|---------|-------|------------------------------------|
| REV. NO. | ZONE | DATE | ECN NO. | APPVD | |
| 00 | - | - | - | - | SEE REVISION HISTORY ON SHEET ONE. |

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

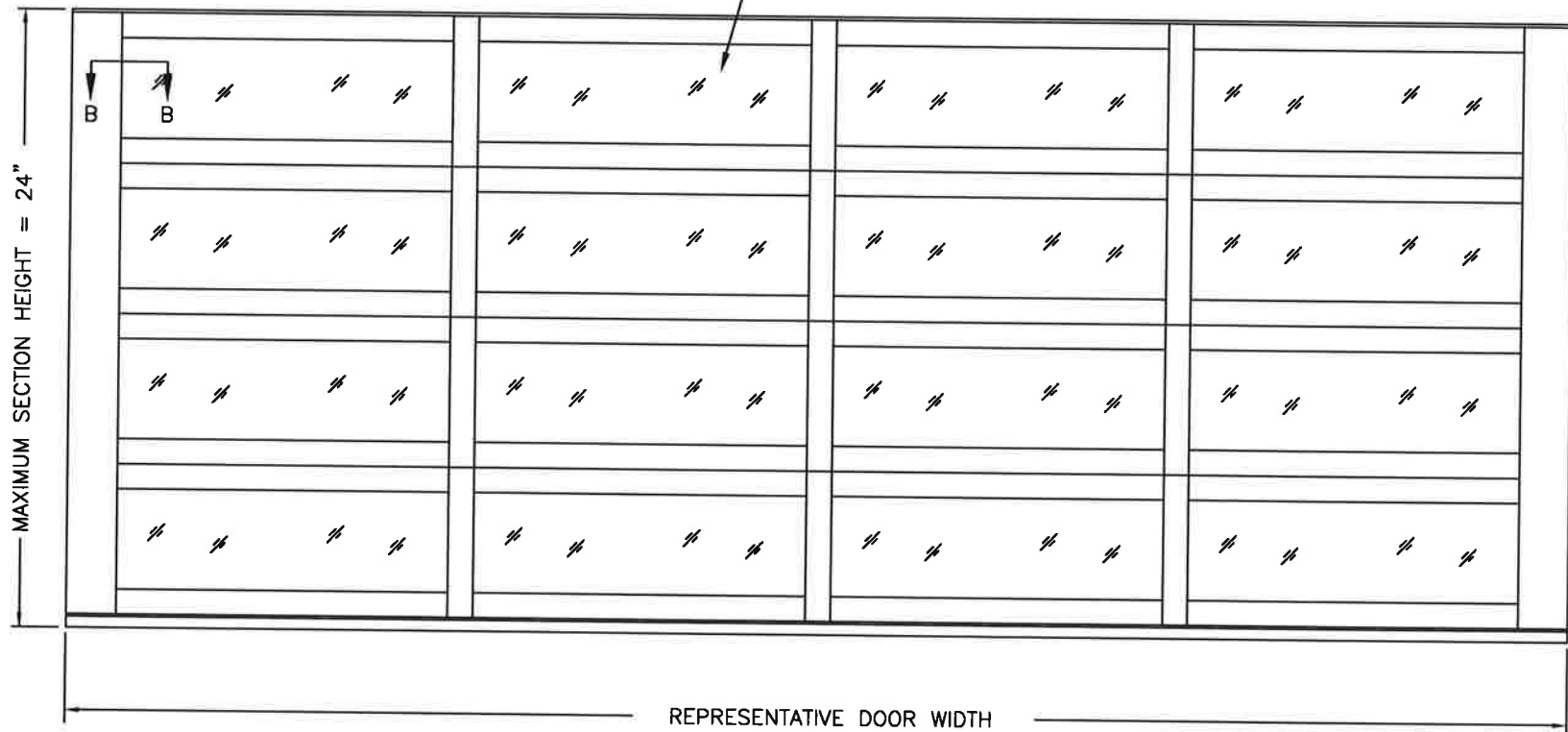
FULL VISION GLAZING SHOWN.
 OPTIONAL GLAZING MAY BE IMPACT RESISTANT (SEE DETAIL A ON SHEET 2) OR STANDARD (SEE DETAIL B ON SHEET 2). MAXIMUM GLAZING SIZE (DLO) IS 39-1/4"x13-1/4". GLAZING MAY BE SHORT-PANEL OR LONG-PANEL. GLAZING MAY BE INSTALLED IN ANY LOCATION IN ANY OR ALL SECTIONS.



SECTION B-B



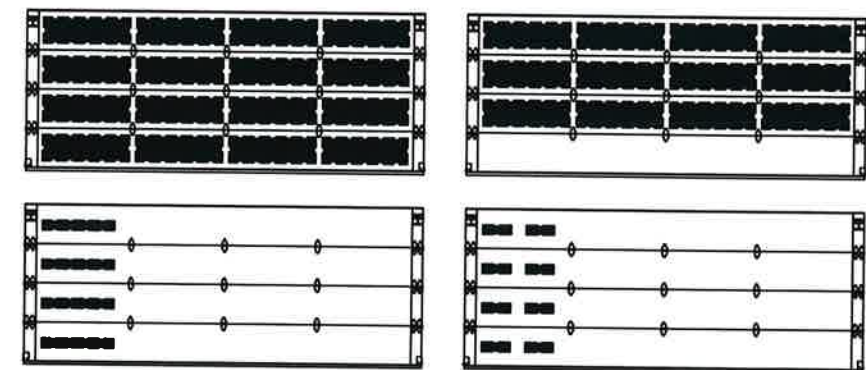
NOTE: "CANYON RIDGE" TYPE IMPACT RESISTANT GLAZING SHOWN WITH DECORATIVE OVERLAY. STANDARD GLAZING ALSO AVAILABLE. DETAILS ARE OTHERWISE STRUCTURALLY EQUIVALENT TO DETAIL A OR DETAIL B ON SHEET 2 OF THIS DRAWING.



"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 AS SOLID OR 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:
 MARK WESTERFIELD, P.E.
 FLORIDA P.E. #48495, NC P.E. #23832, TEXAS P.E. #91513

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| | | | |
|--|---------------|------------------------------------|---------------------|
| DESCRIPTION: MODERN STEEL 2" INTELICORE +38/-42 PSF TO 16' W | | WINDLOAD RATING W6 DP38T | |
| DRAWN BY: JDW | DATE: 09/2021 | SCALE: NTS | DWG. SIZE: B |
| CHECKED BY: -- | DATE: -- | SHEET 5 OF 5 | VER: TDI |
| DWG. NO.: 105042 - A/B | | | |

MANUFACTURING PRODUCT CODE
 DSIUD-1K479

PART NO.: N/A