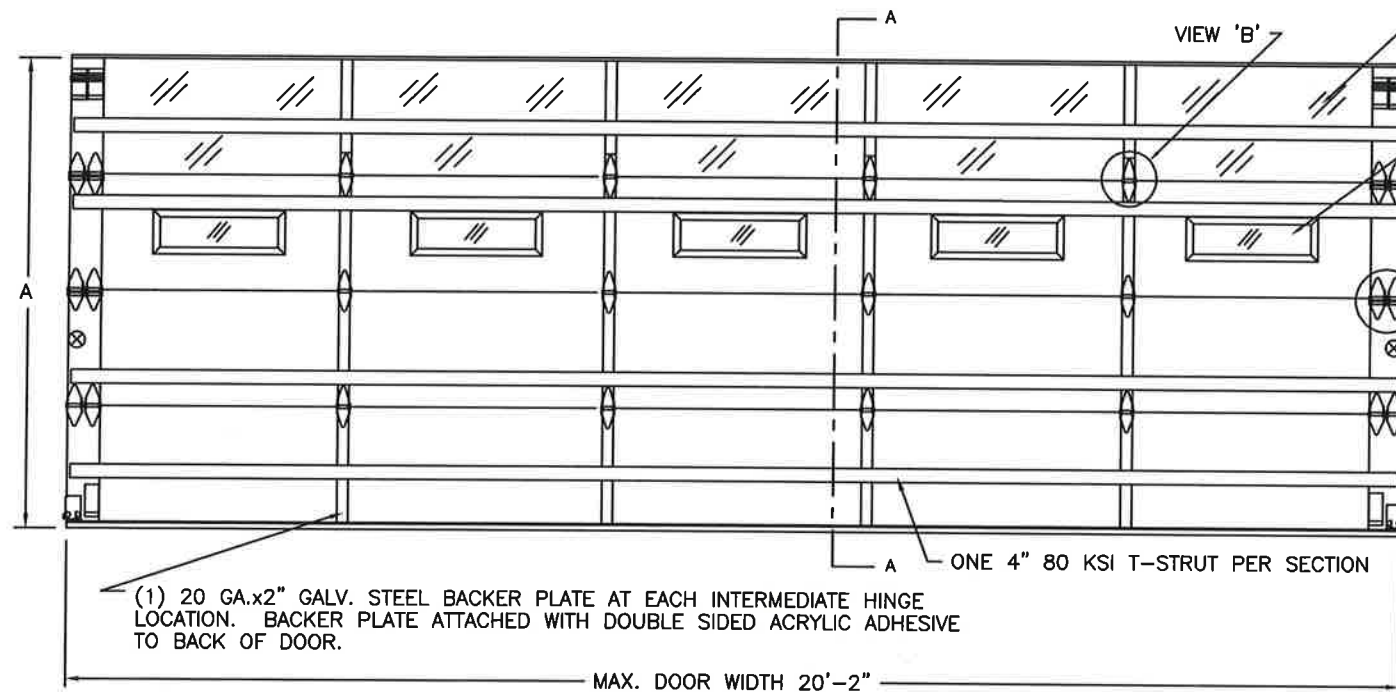


CLOPAY MODEL 3200 (24 GA MIN EXT SKIN) HOLMES MODEL 240, 240G (24 GA MIN EXT SKIN)
CLOPAY MODEL 3220 (20 GA MIN EXT SKIN)

SHEET:
1 OF 4

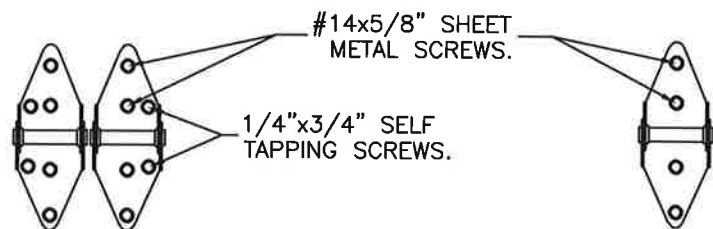
REVISIONS					
REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
00	-	7/19/16	-	SH	BASED ON 101682-R08.
01	-	7/6/17	-	-	SPECIFIED 1/4"x1" SCREWS FOR FULL VISION T-STRUTS
02	-	8/12/20	-	SH	UPDATED TITLE BLOCK AND REMOVED WIND CHART



OPTIONAL ALUMINUM FULL VISION WINDOW LITE SECTIONS AVAILABLE (1/8" DSB, 1/8" ACRYLIC, 1/4" WIRE, 1/2" INSUL. OR BETTER). FULL VISION SECTIONS TO HAVE SAME REINFORCEMENT AS OTHER SECTIONS.
OPTIONAL 24" x 8" DSB GLASS, INSULATED GLASS OR ACRYLIC WINDOW LITES.
OPTIONAL ACRYLIC IS PLASKOLITE OPTIX, AN APPROVED CC2 PLASTIC IN COMPLIANCE WITH IBC/FBC 2606.

TWO POINT LOCKING

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

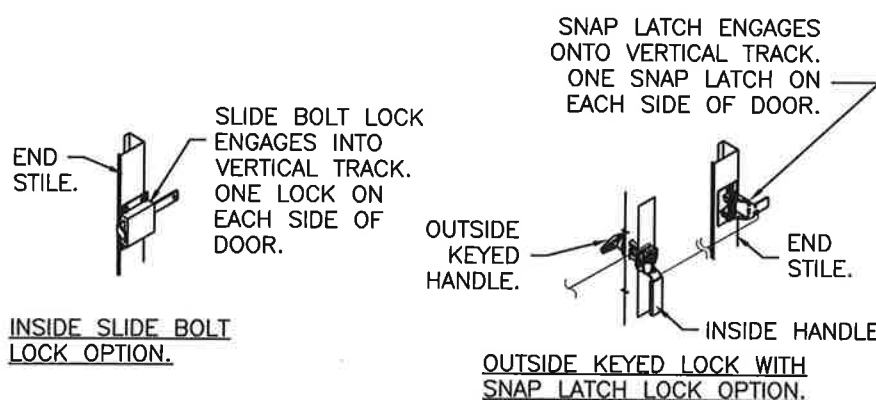


#14x5/8" SHEET METAL SCREWS.

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

14 GA. END HINGES
VIEW "A"

14 GA. (MIN.) INTERMEDIATE HINGE
VIEW "B"



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

END STILE.

OUTSIDE HANDLE.

LOCK BAR ENGAGES IN TRACK ON EACH SIDE OF DOOR.

DESIGN LOADS: +25.0 P.S.F. & -28.0 P.S.F.
TEST LOADS: +37.5 P.S.F. & -42.0 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: COMM 2" EPS: +25/-28 PSF

DRAWN BY: RH

DATE: 7/19/16

SCALE: NTS

DWG. SIZE B

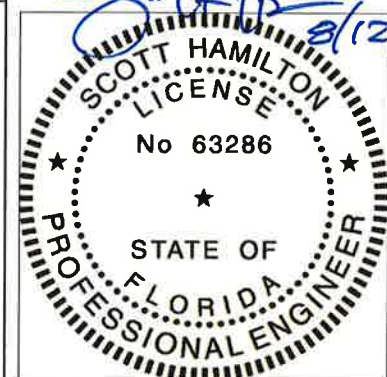
CHECKED BY: SH

DATE: -----

SHEET 1 OF 4

DWG. NO.: 105198

VER: IBC



DESIGN ENGINEER:
SCOTT HAMILTON, P.E.
FLORIDA LICENSE No. 63286

2 FLORIDA PRODUCT APPROVAL 17671

CLOPAY MODEL 3200 (24 GA MIN EXT SKIN) HOLMES MODEL 240, 240G (24 GA MIN EXT SKIN)
CLOPAY MODEL 3220 (20 GA MIN EXT SKIN)

SHEET:
2 OF 4

REVISIONS

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

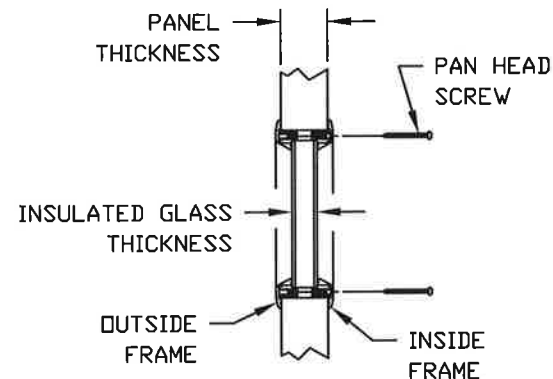
THE OPTIONAL GLAZING SHOWN ON THIS DRAWING MEETS THE WIND LOAD REQUIREMENTS OF THE FLORIDA BUILDING CODE OR INTERNATIONAL BUILDING CODE BUT DOES NOT MEET THE IMPACT RESISTANT REQUIREMENT FOR WINDBORNE DEBRIS REGIONS (REF. CHAPTER 16 FBC/IBC)

STANDARD ASSEMBLY CONSTRUCTION:

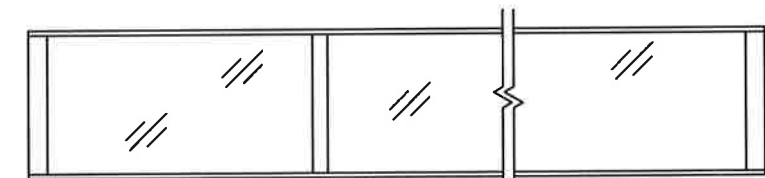
OPTIONAL LITES WITH DSB OR TEMPERED INSULATED GLAZING AVAILABLE. OPTIONAL FULL VISION SECTIONS WITH DSB OR BETTER GLAZING AVAILABLE.

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)



NON-IMPACT-RESISTANT
FULL VISION SECTION OPTION



OPTIONAL ALUMINUM FULL VISION WINDOW LITE SECTIONS AVAILABLE (1/8" DSB, 1/8" ACRYLIC, 1/4" WIRE, 1/2" INSUL. OR BETTER). FULL VISION SECTIONS TO HAVE SAME REINFORCEMENT AS OTHER SECTIONS. OPTIONAL ACRYLIC IS PLASKOLITE OPTIX, AN APPROVED CC2 PLASTIC IN COMPLIANCE WITH IBC/FBC 2606.

STANDARD ASSEMBLY DETAILS



DESIGN ENGINEER:
SCOTT HAMILTON, P.E.
FLORIDA LICENSE No. 63286

DESIGN LOADS: +25.0 P.S.F. & -28.0 P.S.F.
TEST LOADS: +37.5 P.S.F. & -42.0 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: COMM 2" EPS: +25/-28 PSF

DRAWN BY: RH

DATE: 7/19/16

SCALE: NTS

DWG. SIZE B

CHECKED BY: SH

DATE: -----

SHEET 2 OF 4

DWG. NO.: 105198

VER: IBC

MANUFACTURING PRODUCT CODE

C-DSIE-1F447

PART NO.: N/A

WINDLOAD RATING

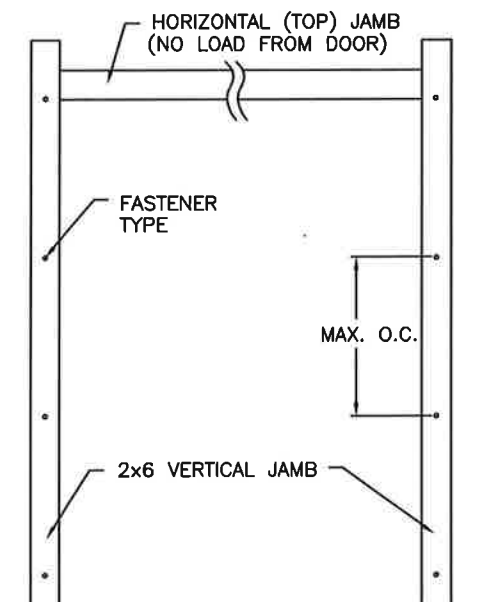
W4 DP25

CLOPAY MODEL 3200 (24 GA MIN EXT SKIN) HOLMES MODEL 240, 240G (24 GA MIN EXT SKIN)
CLOPAY MODEL 3220 (20 GA MIN EXT SKIN)

SHEET
3 OF 4

REVISIONS

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

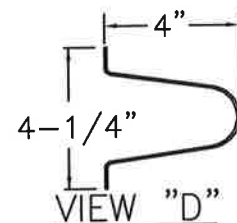


JAMB TO SUPPORTING STRUCTURE ATTACHMENT

NOTES:

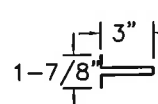
1. ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE TRACK AND THEN FROM THE TRACK TO THE 2x6 VERTICAL SYP (GRADE #2 OR BETTER) JAMBS. NO LOAD FROM THE DOOR IS TRANSFERRED TO THE HORIZONTAL (TOP) JAMB.
2. EACH VERTICAL JAMB SEES A MAXIMUM DESIGN LOAD OF +250 LB & -280 LB. PER LINEAR FOOT OF JAMB.
3. ALL 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.



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

TONGUE AND
GROOVE JOINTS



VIEW "E"
3" TALL 50 KSI U-BAR
20 GA. GALV. STEEL.

24 GA. MIN. EXTERIOR STEEL SKIN
WITH GALV. BAKED-ON PRIMER
AND A BAKED-ON POLYESTER TOP
COAT APPLIED TO BOTH SIDES OF
STEEL SKIN.

SILICONE FILLED CHANNEL SEPARATES
FRONT AND BACK SKIN OF DDOR

2" THICK

1.95" THICK, 1# DENSITY
EXPANDED POLYSTYRENE
FOAM INSULATION LAMINATED
TO BOTH EXTERIOR AND
INTERIOR SKINS.

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

ONE 4" T-STRUT PER SECTION. SEE VIEW
"D". EACH T-STRUT ATTACHED AT EACH
STILE LOCATION WITH (2) 1/4"x3/4" SELF
TAPPING SCREWS [(4) AT EACH DOUBLE
END STILE]. (T-STRUTS ON FULL VISION
SECTIONS TO BE ATTACHED WITH 1/4"x1"
SELF TAPPING SCREWS.)

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

27 GA. INTERIOR SKIN WITH GALV.,
BAKED-ON PRIMER AND A 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)

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	6-1/2"	1" O.D.
GROUT FILLED BLOCK WALL	1/4" x 1-3/4" MIN. EMBED ULTRACON CONCRETE ANCHOR	11"	1" O.D.
2000 PSI MIN. CONCRETE	1/4" x 1" MIN. EMBED ULTRACON CONCRETE ANCHOR	9-1/2"	1" O.D.
2000 PSI MIN. CONCRETE	1/4" x 1" MIN. EMBED TAPCON CONCRETE ANCHOR	9"	1" O.D.
2000 PSI MIN. CONCRETE	3/8" x 1-3/4" MIN. EMBED WEJ-IT ANKR TITE SLEEVE ANCHOR	20"	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	21-3/4"	1" O.D.
14GA STEEL (0.060" MIN.)	1/4"-14 x 1" ITW BUILDDEX TEKS SELF-DRILLING FASTENER	9"	1" O.D.
12GA STEEL (0.105" MIN.)	1/4"-14 x 1" ITW BUILDDEX TEKS SELF-DRILLING FASTENER	16"	1" O.D.
1/8" STEEL	1/4"-14 x 1" ITW BUILDDEX TEKS SELF-DRILLING FASTENER	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 LOADS: +25.0 P.S.F. & -28.0 P.S.F.
TEST LOADS: +37.5 P.S.F. & -42.0 P.S.F.

Unless Stated Otherwise
TOLERANCES are
.0 = ±.031
.00 = ±.015
.000 = ±.005
.0000 = ±.001
Degrees = ±1/2'
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DIMENSIONS ARE IN INCHES.

Clopay
CORPORATION

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

MANUFACTURING PRODUCT CODE
C-DSIE-1F447

PART NO.: N/A

WINDLOAD RATING
W4 DP25

DESCRIPTION: COMM 2" EPS: +25/-28 PSF

DRAWN BY: RH DATE: 7/19/16 SCALE: NTS DWG. SIZE B

CHECKED BY: SH DATE: ----- SHEET 3 OF 4

DWG. NO.: 105198 VER: IBC

DESIGN ENGINEER:
SCOTT HAMILTON, P.E.
FLORIDA LICENSE No. 63286

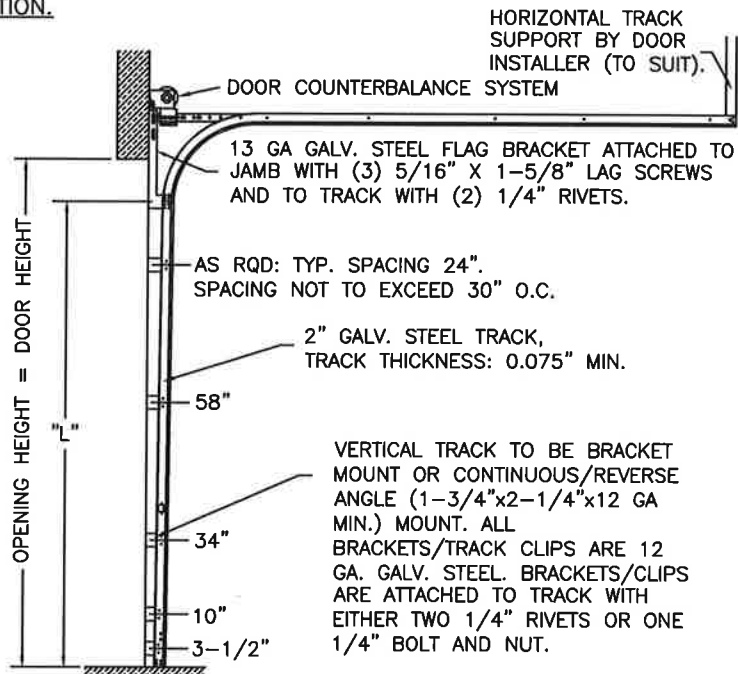
FLORIDA PRODUCT APPROVAL 17671

CLOPAY MODEL 3200 (24 GA MIN EXT SKIN) HOLMES MODEL 240, 240G (24 GA MIN EXT SKIN)
CLOPAY MODEL 3220 (20 GA MIN EXT SKIN)

SHEET:		REVISIONS					
4 OF 4		REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
		02	-	-	-	-	SEE REVISION HISTORY ON SHEET ONE.

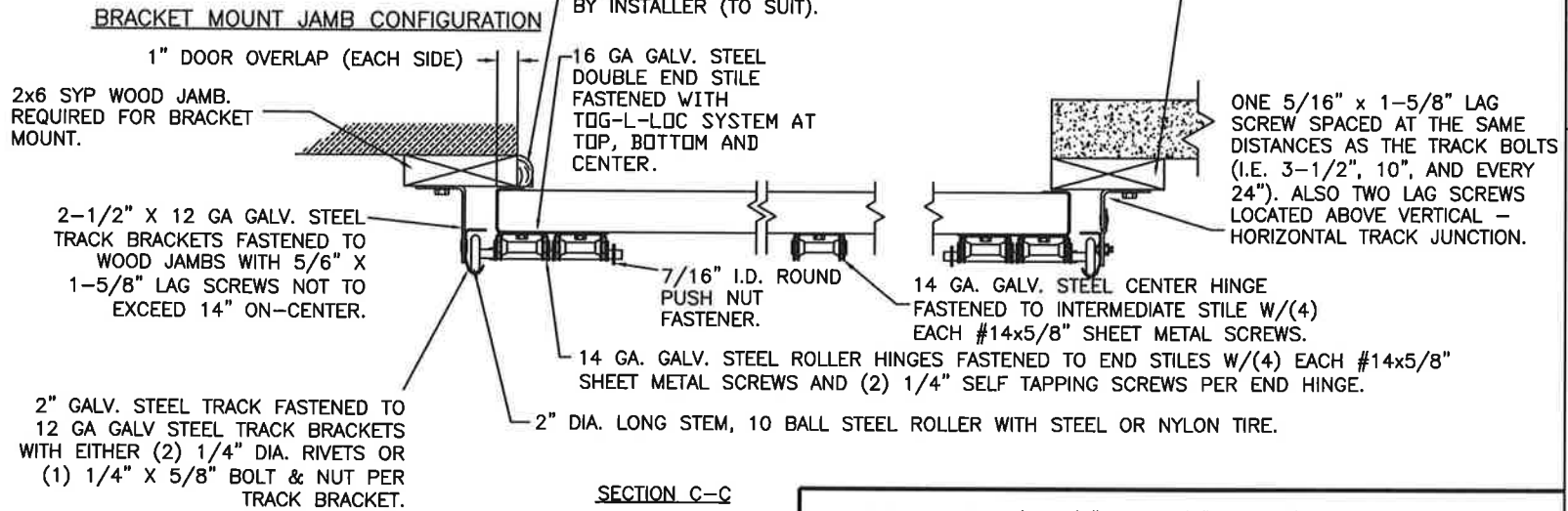
2" TRACK CONFIGURATION.

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.



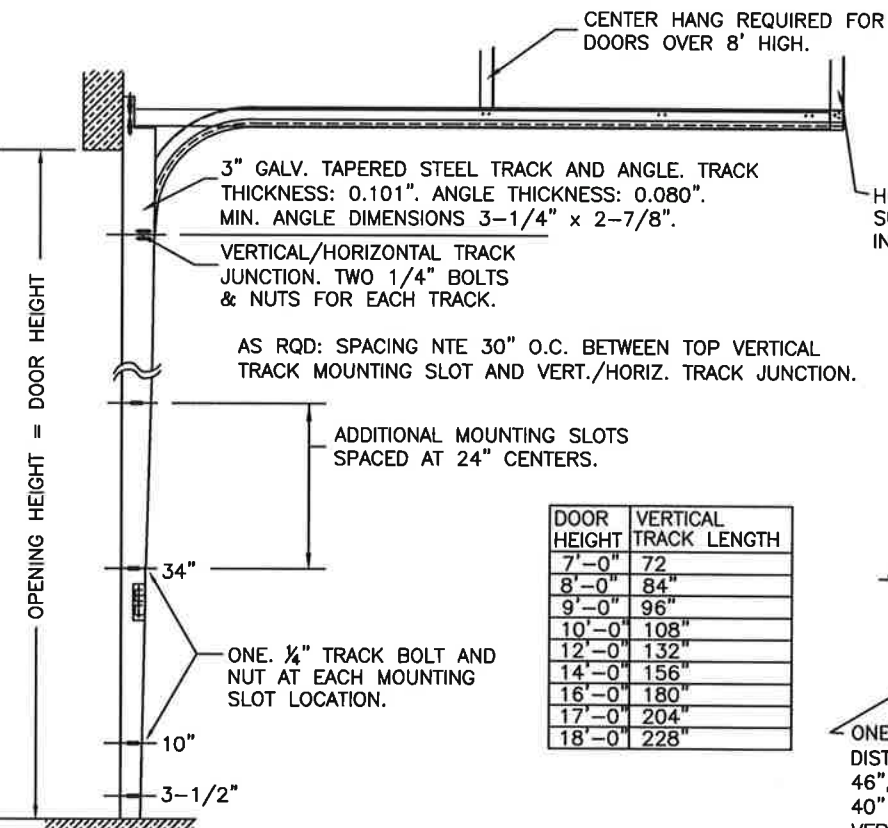
DOOR HEIGHT	"L"
6'-6"	70"
7'-0"	76"
7'-6"	82"
8'-0"	88"
8'-6"	94"
9'-0"	100"
9'-6"	106"
10'-0"	112"
10'-6"	118"
11'-0"	124"
11'-6"	130"
12'-0"	136"
12'-6"	142"
13'-0"	148"
13'-6"	154"
14'-0"	160"
14'-6"	166"
15'-0"	172"
15'-6"	178"
16'-0"	184"
16'-6"	190"
17'-0"	196"
17'-6"	202"
18'-0"	208"

JAMB CONFIGURATION FOR 2" TRACK.



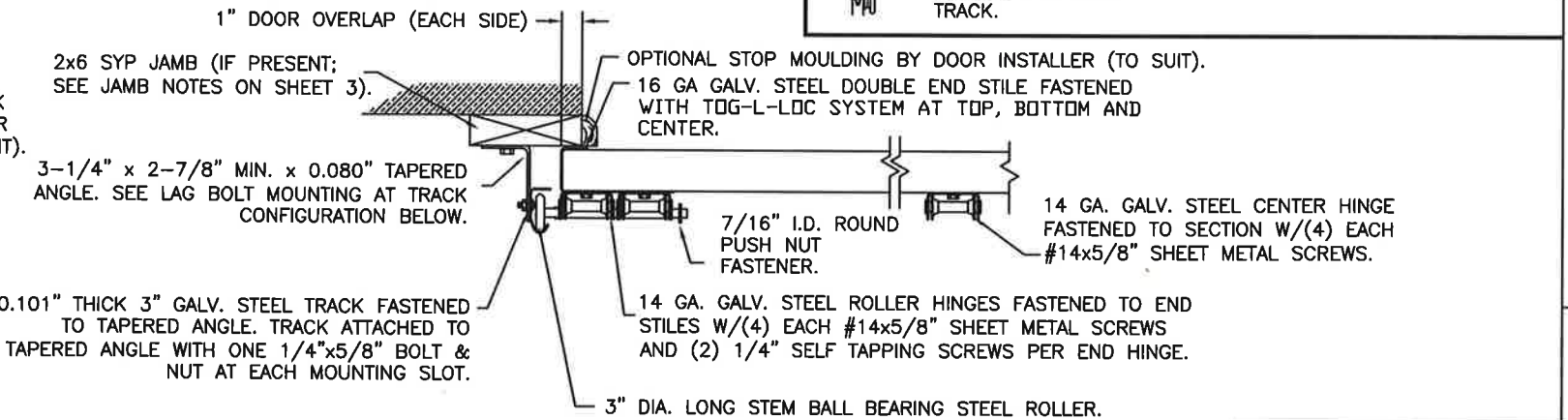
3" TRACK CONFIGURATION.

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.

DESIGN LOADS: +25.0 P.S.F. & -28.0 P.S.F.
TEST LOADS: +37.5 P.S.F. & -42.0 P.S.F.

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

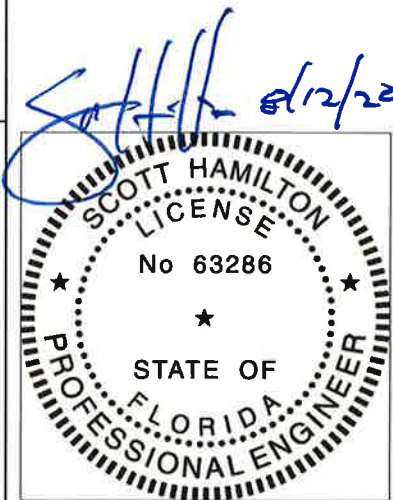
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DESCRIPTION: COMM 2" EPS: +25/-28 PSF
DRAWN BY: RH
CHECKED BY: SH
DWG. NO.: 105198

DATE: 7/19/16
DATE: -----

MANUFACTURING PRODUCT CODE C-DSIE-1F447	
PART NO.: N/A	
WINDLOAD RATING W4 DP25	
SCALE: NTS	DWG. B
SHEET 4 OF 4	VER: IBC



DESIGN ENGINEER:
SCOTT HAMILTON, P.E.
FLORIDA LICENSE No. 63286