

MODELS	27 GA SHORT	27 GA FLUSH	27 GA LONG
CLOPAY	4300, HDG	4301, HDGF	4310, HDGL
HOLMES	66, 66G, 6200	68, 6201	67, 67G, 6203
IDEAL	SP200	SF200	SE200

SHEET
1 OF 3

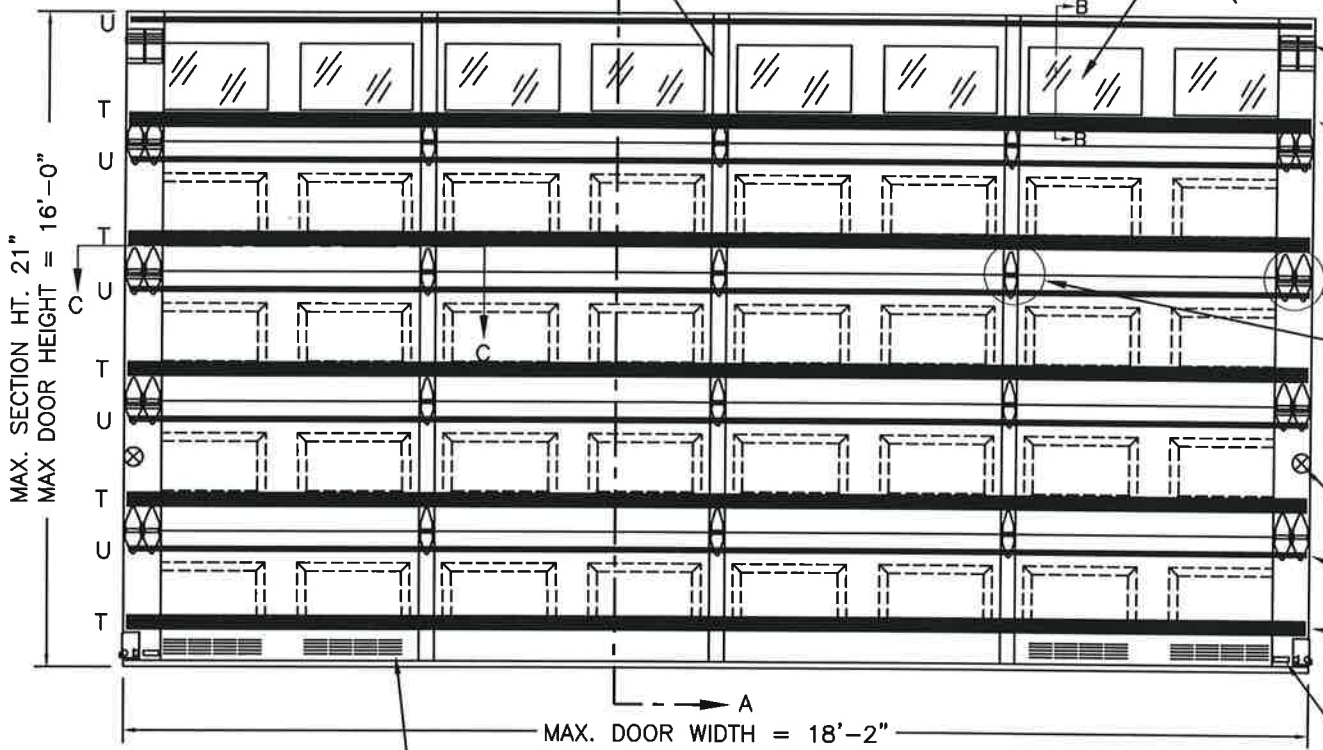
REVISIONS						DESCRIPTION
REV. NO.	ZONE	DATE	ECN NO.	APPVD		
04	-	3/5/20	EN2736	SH		REVISED MAX WINDOW SIZE AND TITLE BLOCK
05	-	8/5/20	-	SH		REMOVED WIND CHART

D

(1) 20 GA. BACKER PLATE BETWEEN EACH EMBOSS LOCATION THAT CONTAINS A CENTER HINGE. ATTACHED WITH DOUBLE SIDED ACRYLIC ADHESIVE TO BACK OF DOOR.

OPTIONAL ROW OF IMPACT-RESISTANT GLAZING. MAX. GLAZING SIZE IS 19-1/2" x 12". GLAZING IS INJECTION MOLDED GE LEXAN SLX2432T, AN APPROVED CC2 PLASTIC IN ACCORDANCE WITH IBC/FBC 2606. SEE SECTION B-B FOR ASSEMBLY DETAILS. (GLAZING SHOWN IN INTERMEDIATE SECTION.)

IMPACT-RESISTANT CONSTRUCTION:
SOLID DOORS (NO GLAZING) OR DOORS WITH OPTIONAL IMPACT-RESISTANT GLAZING ARE IMPACT-RESISTANT. OPTIONAL 19-1/2" x 12" INJECTION-MOLDED POLYCARBONATE FRONT FRAME AND GLAZING IS GE LEXAN SLX2432T, AN APPROVED CC2 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.

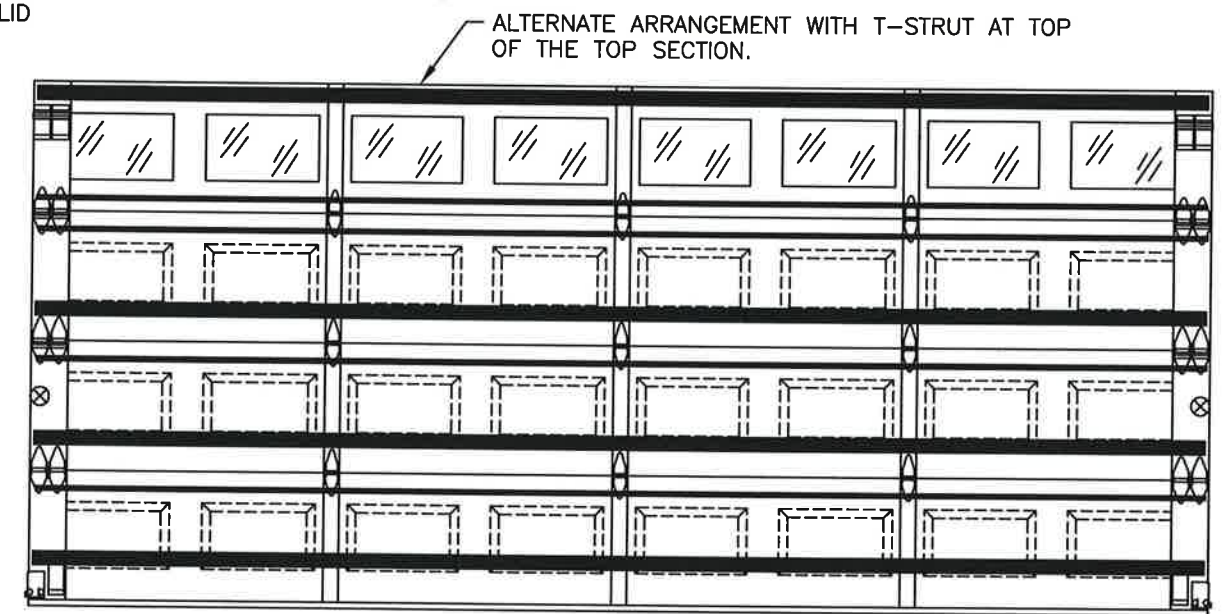


STRUT AND TOP BRACKET ARRANGEMENT WITH STANDARD ENDSTILE AND TOP SECTION SOLID OR GLAZED (SHOWN).
16 GA. DOUBLE END STILES. MAY BE NOTCHED FOR LITES.

VIEW "B" (SEE SHEET TWO).
VIEW "C" (SEE SHEET TWO).

TWO POINT LOCKING INTO TRACK.
U-BAR.

(1) 3-IN ROLLER CARRIER (P/N 0120394) USED WITH 3" TRACK. ATTACH WITH (3) 1/4"x3/4" SELF TAPPING SCREWS.

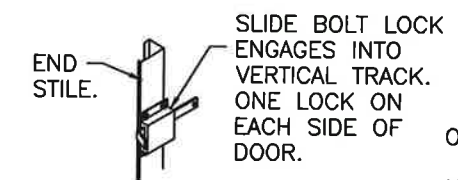
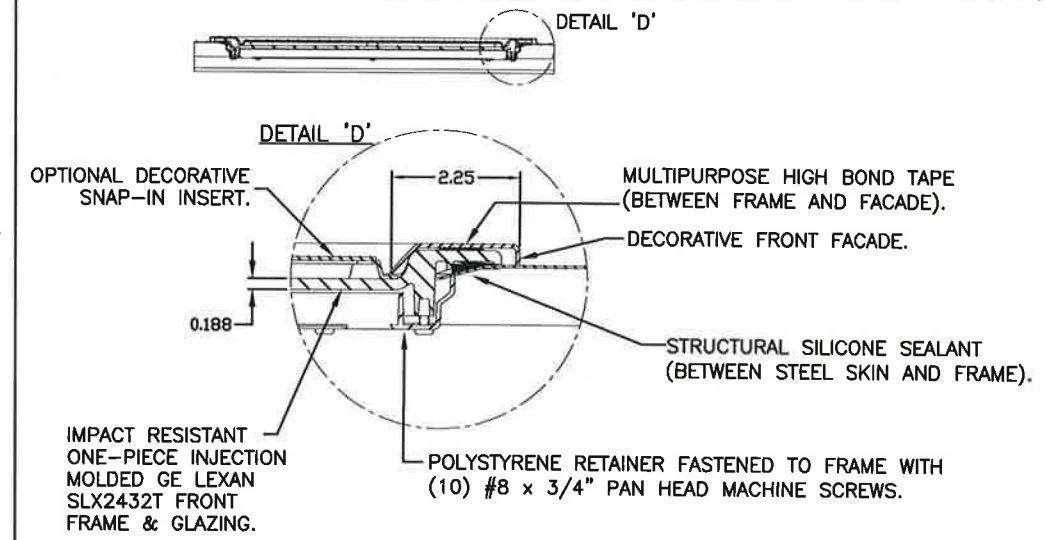


ALTERNATE ARRANGEMENT WITH T-STRUT AT TOP OF THE TOP SECTION.

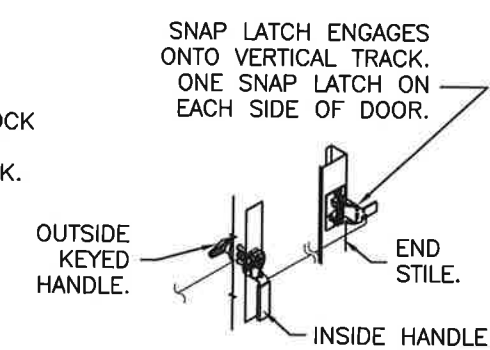
DOOR HEIGHT	# OF SECTIONS
UP TO 7'0"	4
7'3" TO 8'9"	5
9'0" TO 10'6"	6
10'9" TO 12'3"	7
12'6" TO 14'0"	8
14'3" TO 15'9"	9
16'0"	10

LOCATION OF OPTIONAL VENTS. TOTAL VENT OPENINGS: 60 IN² PER VEHICLE. VENTS SHALL BE IN ACCORDANCE WITH CLOPAY DRAWING 101845.

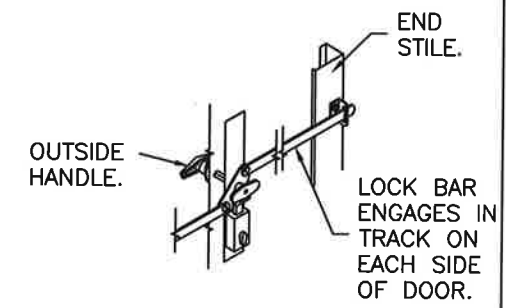
SECTION B-B (IMPACT-RESISTANT GLAZING OPTION)



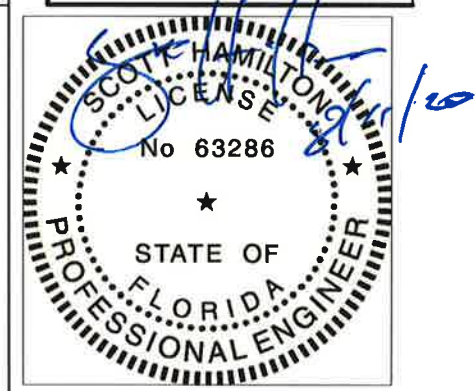
INSIDE SLIDE BOLT LOCK OPTION.



OUTSIDE KEYED LOCK WITH SNAP LATCH LOCK OPTION.



OUTSIDE KEYED LOCK WITH LOCK BAR LOCKING.



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

DESIGN LOADS: +46.0 P.S.F. & -50.0 P.S.F.
TEST LOADS: +69.0 P.S.F. & -75.0 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: 2" EPS INS. DOORS TO 18'2" (SEE TABLE FOR MODELS)

DRAWN BY: SH DATE: 11/8/12 SCALE: NTS DWG. SIZE B
CHECKED BY: SH DATE: 11/9/12 SHEET 1 OF 3

DWG. NO.: 104752 VER: IBC

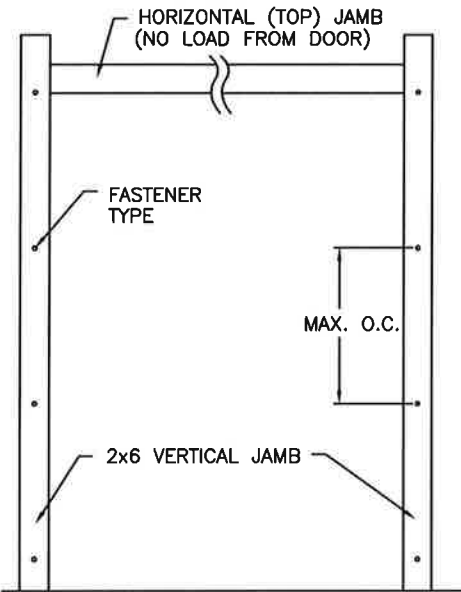
MANUFACTURING PRODUCT CODE
DSIE-1F171

PART NO.: N/A

WINDLOAD RATING
W8 DP46

MODELS	27 GA SHORT	27 GA FLUSH	27 GA LONG
CLOPAY	4300, HDG	4301, HDGF	4310, HDGL
HOLMES	66, 66G, 6200	68, 6201	67, 67G, 6203
IDEAL	SP200	SF200	SE200

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



JAMB TO SUPPORTING STRUCTURE ATTACHMENT

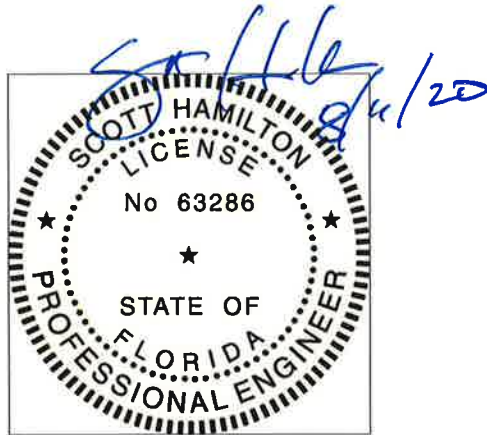
NOTES:

- 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 +414 LB & -450 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 MASON.

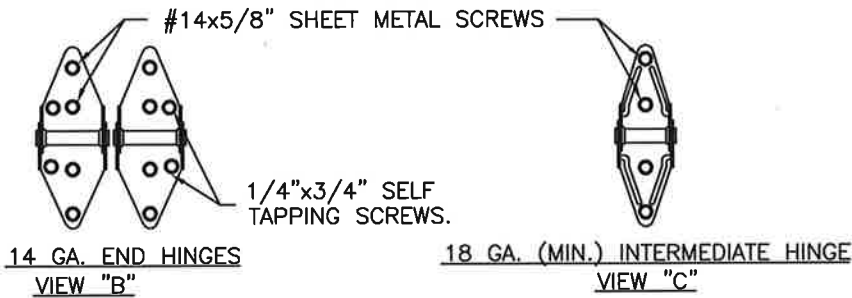
2x6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT (NOT TO BE USED FOR ATTACHMENT OF TRACK ANGLE TO 2x6 VERTICAL JAMBS OR SUPPORTING STRUCTURE)

BUILDING TYPE	FASTENER TYPE	MAXIMUM ON-CENTER DISTANCE BETWEEN FASTENERS*	STEEL WASHERS REQUIRED?
BLOCK WALL	1/4" x 1-1/4" MIN. EMBED TAPCON CONCRETE ANCHOR	5-1/2"	1" O.D.
3000 PSI MIN. CONCRETE	1/4" x 1" MIN. EMBED TAPCON CONCRETE ANCHOR	6"	1" O.D.
2000 PSI MIN. CONCRETE	3/8" X 1-3/4" MIN. EMBED WEJ-IT ANKR TITE SLEEVE ANCHOR	12"	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	13"	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.

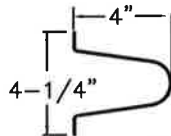


DESIGN ENGINEER:
SCOTT HAMILTON, P.E.
FLORIDA LICENSE No. 63286



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

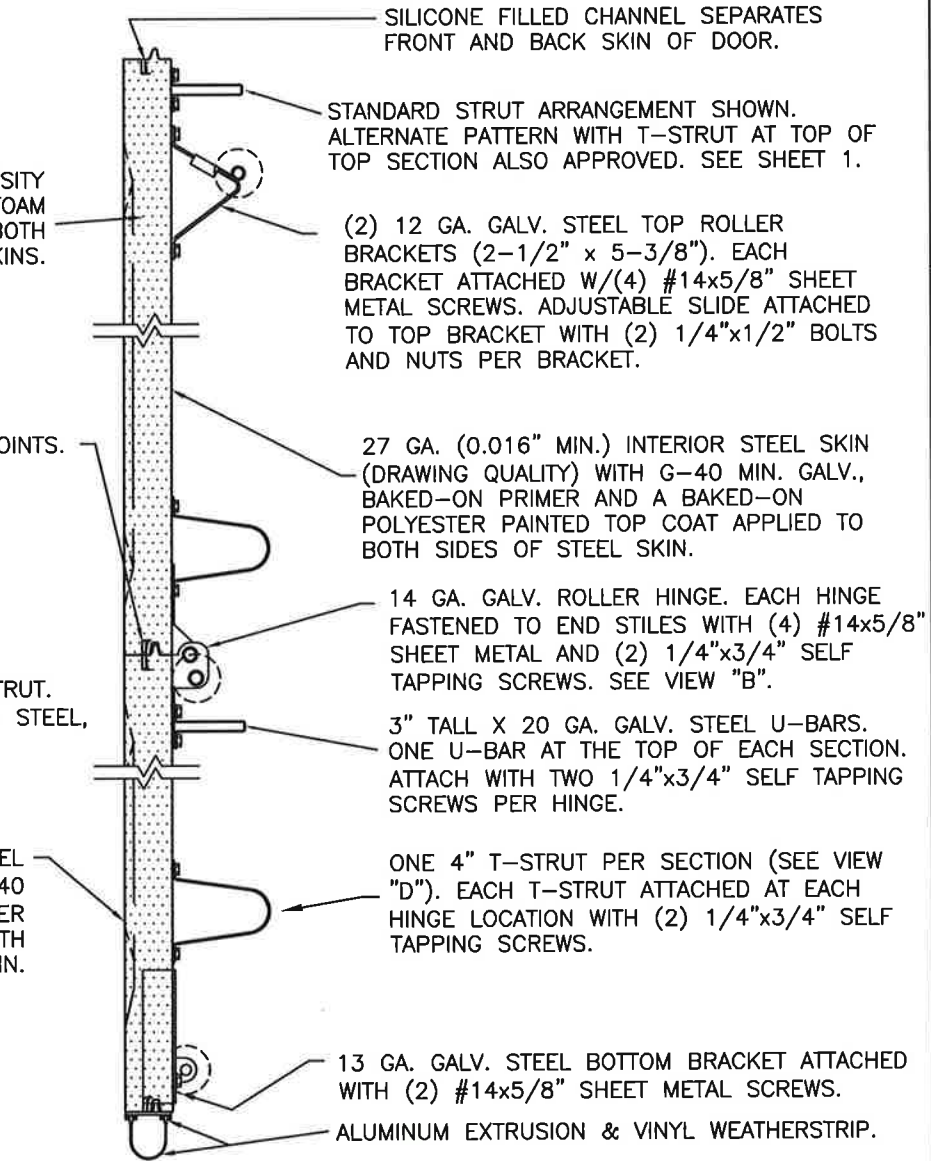
TONGUE AND GROOVE JOINTS.



VIEW "D"

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

27 GA (0.016" MIN.) EXTERIOR STEEL SKIN (DRAWING QUALITY) WITH G-40 MIN. GALV. BAKED-ON POLYESTER PAINTED TOP COAT APPLIED TO BOTH SIDES OF STEEL SKIN.



SECTION A-A (SIDE VIEW)

DESIGN LOADS: +46.0 P.S.F. & -50.0 P.S.F.
TEST LOADS: +69.0 P.S.F. & -75.0 P.S.F.

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DESCRIPTION: 2" EPS INS. DOORS TO 18'2" (SEE TABLE FOR MODELS)

DRAWN BY: SH DATE: 11/8/12 SCALE: NTS DWG. B
CHECKED BY: SH DATE: 11/9/12 SHEET 2 OF 3 SIZE B

DWG. NO.: 104752 VER: IBC

MANUFACTURING PRODUCT CODE
DSIE-1F171

PART NO.: N/A

WINDLOAD RATING
W8 DP46

