



PROPRIETARY ITEM - EXCEPT FOR USES EXPRESSLY GRANTED IN WRITING, INFORMATION DISCLOSED HEREON IS CONFIDENTIAL AND ALL RIGHTS, PATENT AND OTHERWISE ARE RESERVED BY SOUTHCO, INC.

HINGE - CONCEALED
REMOVABLE STYLE

DATE: 21MAR2000
DRAWN/CHKD: GDM/JC
SCALE: -

DRAWING NUMBER: TD-F6-2-J

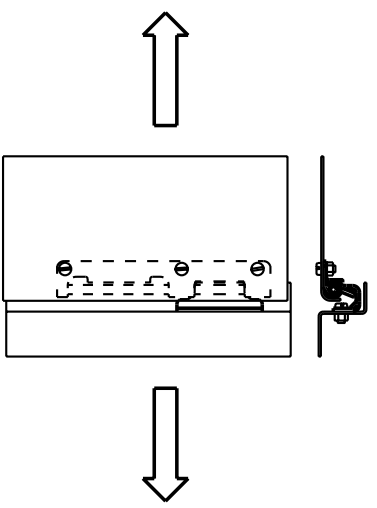
REV	DATE	DRAWN/CHKD	DESCRIPTION
B	11MAY2007	MDY	ADD STEEL DATA, UPDATE SS DATA
C	22OCT2007	JHV	REMOVED AMBIGUOUS DATA
D	15JAN2008	JHV	ADD MAX STATIC LOAD

SOUTHCO PERFORMANCE GUIDELINES

THIRD ANGLE PROJECTION
A4 PAPER SIZE

THE PERFORMANCE GUIDELINES SHOWN ON THIS PAGE ARE SUPPLIED AS A GENERAL GUIDE ONLY, AS CONDITIONS VARY WITH EACH APPLICATION AND METHOD OF INSTALLATION. STRENGTH DATA GIVEN IS FOR FAILURE OF THE PRODUCT OR FOR SUFFICIENT DEFORMATION TO MAKE PRODUCT INOPERABLE. NO SAFETY FACTOR HAS BEEN APPLIED. IT IS RECOMMENDED THAT THE USER REQUEST A PRODUCT SAMPLE FOR TESTING TO DETERMINE THE SUITABILITY OF THE PRODUCT FOR THE PURPOSE INTENDED AND USER'S PARTICULAR APPLICATION.

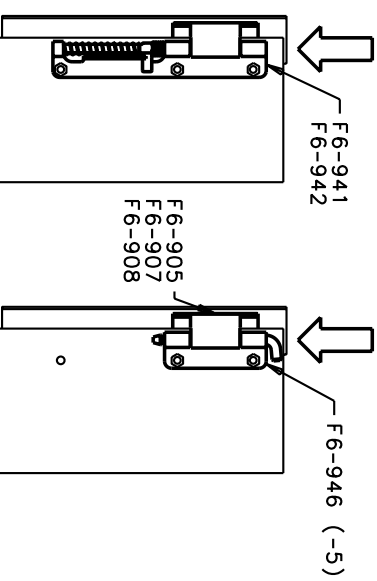
RADIAL LOAD TESTING



DOOR OPENED 90°

F6 ASSEMBLY	MAXIMUM STATIC LOAD NEWTONS (lbf)	AVERAGE ULTIMATE LOAD NEWTONS (lbf)
STAINLESS STEEL	1300 (292)	2800 (629)
STEEL	1000 (225)	2100 (472)

AXIAL LOAD TESTING



DOOR OPENED 180°

MAXIMUM STATIC LOAD NEWTONS (lbf)	AVERAGE ULTIMATE LOAD NEWTONS (lbf)
3600 (809)	6000 (1350)
2900 (650)	4900 (1100)

PART NUMBERS:
DOOR LEAF : F6-94X (-X)
FRAME LEAF : F6-905 (-5)
F6-907 (-5)
F6-908 (-5)

CYCLE TESTING ①
10,000 CYCLES WITH 20.5 kg (45 lb) DOOR
10,000 CYCLES WITH 12.5 kg (27 lb) DOOR

AVERAGE ULTIMATE LOAD - THE LOAD THAT CAUSES FAILURE OR EXCESSIVE DEFORMATION WHICH RENDERS THE PRODUCT TOTALLY INOPERABLE.
MAXIMUM STATIC LOAD - THE MAXIMUM RECOMMENDED LOAD THAT CAN BE APPLIED AND THEN REMOVED WITHOUT AFFECTING PERFORMANCE OR FUNCTION.

- ① CYCLE TEST REFLECTS MINIMUM CYCLE LIFE. TESTS DID NOT REACH FAILURE.
- ② PRODUCT STRENGTH GUIDELINES ARE BASED ON TESTING CONDUCTED USING ONE HINGE.

REF : F6-04 ; F6-10 ; F6-11 ; F6-12