record-usa
4910 STARCREST DR.
MONROE, NC 28110
(704) 289 - 9212

AUTOMATIC FOLDING DOOR SYSTEMS

FOLDING DOOR FORMULAS

PAGE 40−1.04

USE THE FORMULAS BELOW TO CALCULATE THE FOLLOWING DIMENSIONS FOR NON-STANDARD PACKAGES:
(OFW = PACKAGE WIDTH)

DOW - DOOR OPENING WIDTH HL - HEADER LENGTH FBO - FULL BREAKOUT OPENING
FSW - FS PANEL WIDTH FXW - FX PANEL WIDTH
FSH - FS PANEL HEIGHT FXH - FX PANEL HEIGHT
GRL - GUIDE RAIL LENGTH

WIDTH DATA

SINGLE UNITS

$DOW = OFW - 11.5625$

$FBO = OFW - 8.125$

$HL = OFW - 3.500$

$FSW = \dfrac{OFW}{2} - 2.875$

$FXW = \dfrac{OFW}{2} - 2.9375$

DUAL UNITS

$DOW = OFW - 19.625$

$FBO = OFW - 12.750$

$HL = OFW - 3.500$

$FSW = \dfrac{OFW}{4} - 2.000$

$FXW = \dfrac{OFW}{4} - 2.0625$

HEIGHT DATA (STANDARD OFH = 90")

$FXH = FSH = OFH - 8.000$

JAMB HEIGHT = OFH (UNITS W/O TRANSOM)

CLEAR OPENING HEIGHT = OFH - 7.000 (UNITS W/O THRESHOLD)

CLEAR OPENING HEIGHT = OFH - 7.500 (UNITS W/THRESHOLD)

GUIDE RAIL LENGTHS

$GRL = FSW + 1.250$ (ONE-WAY TRAFFIC FROM NON-FOLD SIDE)

$GRL = FSW + 8.250$ (TWO-WAY TRAFFIC OR ONE-WAY TRAFFIC FROM FOLD SIDE)

NOTE: REFER TO ANSI/BHMA STANDARD A156.10 FOR ADDITONAL DETAILS ON
GUIDE RAILS AND ACTIVATION & SAFETY ZONE REQUIREMENTS