**STEP 1: INSTALL CYLINDER (SKIP TO STEP "2" FOR DUMMY PULL PLATE - 45PD)**

A. INSTALL RIM CYLINDER THROUGH WAVE WASHER, CYLINDER SPACER RING (IF NEEDED) AND COLLAR. THE THINNER COLLAR PROVIDED WITH THE RIM CYLINDER CAN BE USED FOR 1-1/8" LONG CYLINDERS ONLY.

B. INSERT RIM CYLINDER THROUGH HOLE IN PULL PLATE AND INSTALL SPACER AND CYLINDER CUP FROM THE BACKSIDE OF THE PULL PLATE.

C. SECURE RIM CYLINDER ASSEMBLY USING THE 2 BREAK OFF SCREWS PROVIDED WITH THE RIM CYLINDER.

**STEP 2: INSTALL PULL PLATE**

A. TRANSFER HORIZONTAL CENTERLINE AND BACKSET CENTERLINE FROM EXIT DEVICE SIDE OF THE DOOR.

B. USE TEMPLATE OR DIMENSIONS FROM PAGE 2 TO MARK HOLE LOCATIONS.

C. DRILL FIVE Ø 1/2" CLEARANCE HOLES FOR MOUNTING POSTS.

D. DRILL Ø 1-3/4" CLEARANCE HOLE FOR THE CYLINDER.

E. INSERT PULL PLATE MOUNTING POSTS THROUGH DOOR.

F. RIM CYLINDER TAILPIECE SHOULD INSERT INTO THE EXIT DEVICE CAM APPROXIMATELY 7/16" < 1/16". IF IT'S TOO LONG, CAREFULLY MEASURE AND MARK AT THE CLOSEST BREAK-OFF LINE. THEN USE PLYERS TO BREAK-OFF ACCESS, CAREFULLY NOT TO BREAK-OFF TOO MUCH.

G. SECURE PULL PLATE AND EXIT DEVICE USING THE 5 MOUNTING SCREWS.
45PN & 45PD PULL PLATE INSTRUCTIONS
FOR USE WITH 4500 SERIES EXIT DEVICES

NOTES:

1. MATCH THIS CENTERLINE UP WITH THE EXIT DEVICE CENTERLINE.
   THIS WILL ENSURE THE RIM CYLINDER TAILPIECE LINES UP WITH THE
   EXIT DEVICE TAILPIECE CAM.

HAGER COMPANIES
139 Victor Street, St. Louis, MO 63104 - (800) 325-9995 - Fax (800) 782-0149

DRAWING NO: I-ED00263  REV: 01  SHEET 2 OF 2