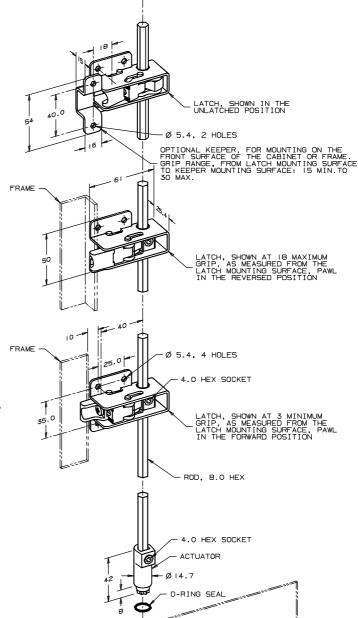
SCALE 1/2 X

DRAWING NUMBER J - M3 - 31 - M

METRIC DIMENSIONS



ØII.O HOLE IN EITHER TOP OR BOTTOM EDGE OF DOOR, CENTERED 7.6 FROM INSIDE SURFACE OF DOOR (LATCH MOUNTING SURFACE).

# PART NUMBERS

LEVER, TYPE A (USED ON LOWER RIGHT HAND CORNER OF TYPE B DOORS OR UPPER LEFT HAND CORNER OF TYPE B DOORS). INCLUDING ACTUATOR, O-RING SEAL AND SCREW: MS-31. LATCH: M3-50

KEEPER: M3-51

ROD: M3-XXX, WHERE XXX IS THE TOTAL LENGTH IN CENTIMETERS. MINIMUM ROD LENGTH = DISTANCE FROM THE EDGE OF THE DOOR TO THE CENTERLINE OF THE MOST REMOTE LATCH.

NOTE: RODS ARE MANUFACTURED TO SPECIAL SPECIFICATIONS RODS NOT SUPPLIED BY SOUTHCO SHOULD BE STAINLESS STEEL OR STEEL AND SHOULD HAVE NO MORE THAN I'S TWIST IN ANY I METER LENGTH,

## SPECIFICATIONS

25 MM INWARD CLEARANCE REQUIRED FOR THE LATCH. (3) WHEN LATCH IS ADJUSTED TO MAXIMUM GRIP) II INWARD CLEARANCE REQUIRED FOR THE ACTUATOR, AS MEASURED FROM ITS CENTERLINE.

THE ROD WILL BOW ENOUGH TO ALLOW THE HOLE IN THE EDGE OF THE DOOR TO BE MOVED INWARD BY AS MUCH AS 2.5, PROVIDED THE DISTANCE FROM THE EDGE OF THE DOOR TO THE NEAREST LATCH IS NOT LESS THAN 20 CM.

E LATCH HAS AN OVER-CENTER TOGGLE ACTION WITH PROXIMATELY 5.1 MM OF PAWL PULL-UP TO THE FULLY TOHED POSITION. (DURING LATCHING, THE PAWL PULLS 6.4 MM AND DROPS BACK 1.3 MM)

PULL-UP FORCE PER LATCH SHOULD NOT EXCEED 445 NEWTONS. TO DETERMINE THE MINIMUM NUMBER OF LATCHES WHICH MUST BE USED, DIVIDE THE TOTAL REQUIRED PULL-UP FORCE IN NEWTONS BY 445,

### INSTALLATION INSTRUCTIONS

ATTACH THE LATCHES TO THE DOOR. WITH THE LATCHES IN THE LATCHES TO THE DOOR. WITH THE LATCHES IN THE LATCHED POSITION, SLIDE THE ROD THROUGH ALL OF THE ROS AND LIGHTEN THE ACTUATION ON THE END OF THE ROD AND LIGHTEN THE SETSCHEW WORKES THE END OF THE ROD THE ROD THE ROD THE ROD THE SETSCHEWS IN THE LATCHES TO ALL AND THE EVENT ESTSCHEWS IN THE LATCHES TO THE END OF THE ACTUATION. ADJUST THE LATCHES FOR THE PROPER GRIP (PAW ADJUSTS TO 0.8 INCREMENTS) AND TIGHTEN THE PROPER GRIP (PAW ADJUSTS TO 0.8 INCREMENTS) AND

## MATERIAL AND FINISH

THE LEVER ASSEMBLY CONSISTS OF LEVER, 1008/1010 STEEL, BLACK POWDER COATED: ACTUATOR, DIE CAST ZINC CHEMICAL PROTECTIVE FILM: SETSCREW, STEEL, ZÎNC PLATED, YELLOW, WITH NYLON PATCH: O-RING SEAL, BUNA N, NATURAL: AND SCREW, STEEL, BLACK FLUOROPOLYMERI.

THE LATCH CONSISTS OF CRANK, PAWL SUPPORTS AND PAWL, DIE CAST ZINC, CHEMICAL PROTECTIVE FILM: HOUSING AND LINKS, 1008/1010 STEEL, ZINC PLATED, BRIGHT; BUSHINGS, STEEL, ZINC PLATED, BRIGHT; LOW CARBON STEEL, ZINC SCHEW, LOCKWASHER AND NUT, STEEL, ZINC PLATED; AND SETSCHEW, LOCKWASHER AND NUT, STEEL, ZINC PLATED, YELLOW, WITH NYLON PATCH.

THE KEEPER IS 1008/1010 STEEL, ZINC PLATED, YELLOW. THE ROD IS TYPE 303 STAINLESS STEEL, NATURAL.

## TOLERANCES

ZERO PLACE: ±1 ONE PLACE: ±0.1

PATENTED

- SCREW

LEVER (TYPE A SHOWN)