



CONSTRUCTION NOTES:

NOTE 1:

WHEN DISMANTLING OR MAKING ADJUSTMENTS, AIR SHALL BE SHUT OFF AT THE GLOBE VALVE LOCATED AT ONE END OF THE "CP" SWITCH VALVE.

NOTE 2: SLIDE BAR

THE SLIDE BAR STROKE (12") MAY BE ADJUSTED BY MEANS OF THE ADJUSTING NUT ON THE END OF THE PISTON ROD TO OBTAIN EQUAL TRAVEL OF THE SLIDE BAR ROLLER ON EITHER SIDE OF THE ESCAPEMENT CRANK BEARING. THE CORRECT POSITION IS OBTAINED WHEN THE LUBRICATING FITTING ON THE SLIDE BAR ROLLER LINES UP WITH THE CENTER OF ONE OF TWO GREASE GUN HOLES IN THE TOP PLATE, WHEN THE BAR IS IN RESPECTIVE EXTREME POSITIONS.

NOTE 3: ESCAPEMENT CRANK

THE MAXIMUM OPERATING ROD THRUST FOR A SWITCH THROW IS OBTAINED WHEN THE OPERATING ARM IS ADJUSTED TO THE SHORTEST POSSIBLE LENGTH TO GIVE THE NECESSARY SWITCH STROKE. ONE-HALF INCH (1/2") LOST MOTION IN THE SWITCH BASKET IS GENERALLY CONSIDERED SUFFICIENT.

NOTE 4: FRICTION LOCK

ADJUSTMENT OF THE FRICTION LOCK SPRING IS OBTAINED WHEN THE SLOTTED END OF THE ADJUSTING SCREW COMES FLUSH WITH THE BODY OF THE FRICTION LOCK ARM INTO WHICH IT IS THREADED.

NOTE 5: ADJUSTMENT

LOOSEN THE CLAMPING OR LOCKING BOLT, ADJUST THE POSITION OF NUTS ON THE SWITCH END UNTIL THE LOCKING DOGS ON THE SLIDE BAR ENTER THEIR RESPECTIVE NOTCHES IN THE LOCK ROD WITHOUT ANY INTERFERENCE AND WITH APPROXIMATELY THE SAME CLEARANCE ON EACH SIDE OF THE LOCKING DOG. TIGHTEN THE CLAMP BOLT AND LOCK NUTS. LOCK RODS ARE IN ADJUSTMENT WHEN THE INDICATING POINTS COINCIDE WITH THE OUTER EDGES OF LONG NOTCHES.

NOTE 6: POINT DETECTOR BAR ADJUSTMENT

TURN THE BAR BY MEANS OF THE TURNBUCKLE, IN OR OUT, ON THE THREADED PORTION OF THE CONNECTING ROD UNTIL THE BEVELED PORTION NEARER THE SWITCH POINT CLEARS THE POINT DETECTOR ROLLER BY 1/16". THIS DIMENSION SHALL BE CHECKED BY USING A 1/16" THICK GAUGE TO ENSURE A SNUG FIT. LOCK THIS ADJUSTMENT WITH THE LOCK NUT ON THE CONNECTING ROD. OPERATE THE MACHINE TO THE OTHER EXTREME POSITION AND OBTAIN THE SAME RELATIONSHIP BETWEEN THE BEVELED PORTION OF THE ADJUSTABLE SLEEVE ON THE DETECTOR BAR AND THE OTHER POINT DETECTOR ROLLER BY TURNING THE SLEEVE IN OR OUT AS NECESSARY. LOCK THE ADJUSTMENT. WITH THESE ADJUSTMENTS. A 1/4" MOTION FROM POINT DETECTOR BAR SHALL BREAK THE INDICATION CIRCUIT AND 5/16" MOTION SHOULD LATCH THE CONTROLLER.

NOTE:

REFER TO SD-2000 SERIES DRAWINGS FOR TIE SPACING

REV	DATE	BY	CHK	APP	DESCRIPTION

PENINSULA CORRIDOR JOINT POWERS BOARD

APPROVED BY:




ENGINEERING MANAGER DEPUTY DIRECTOR OF ENGINEERING

STANDARD DRAWINGS

SIGNAL AND COMMUNICATION
 SWITCH APPARATUS
 A-5 E.P. SWITCH MACHINE
 TYPICAL SWITCH MACHINE LAYOUT

CADD FILE NO.: SD-5325
 REV 0 DATE 093011
 SIGNAL
 STANDARD NO.: SD-5325

