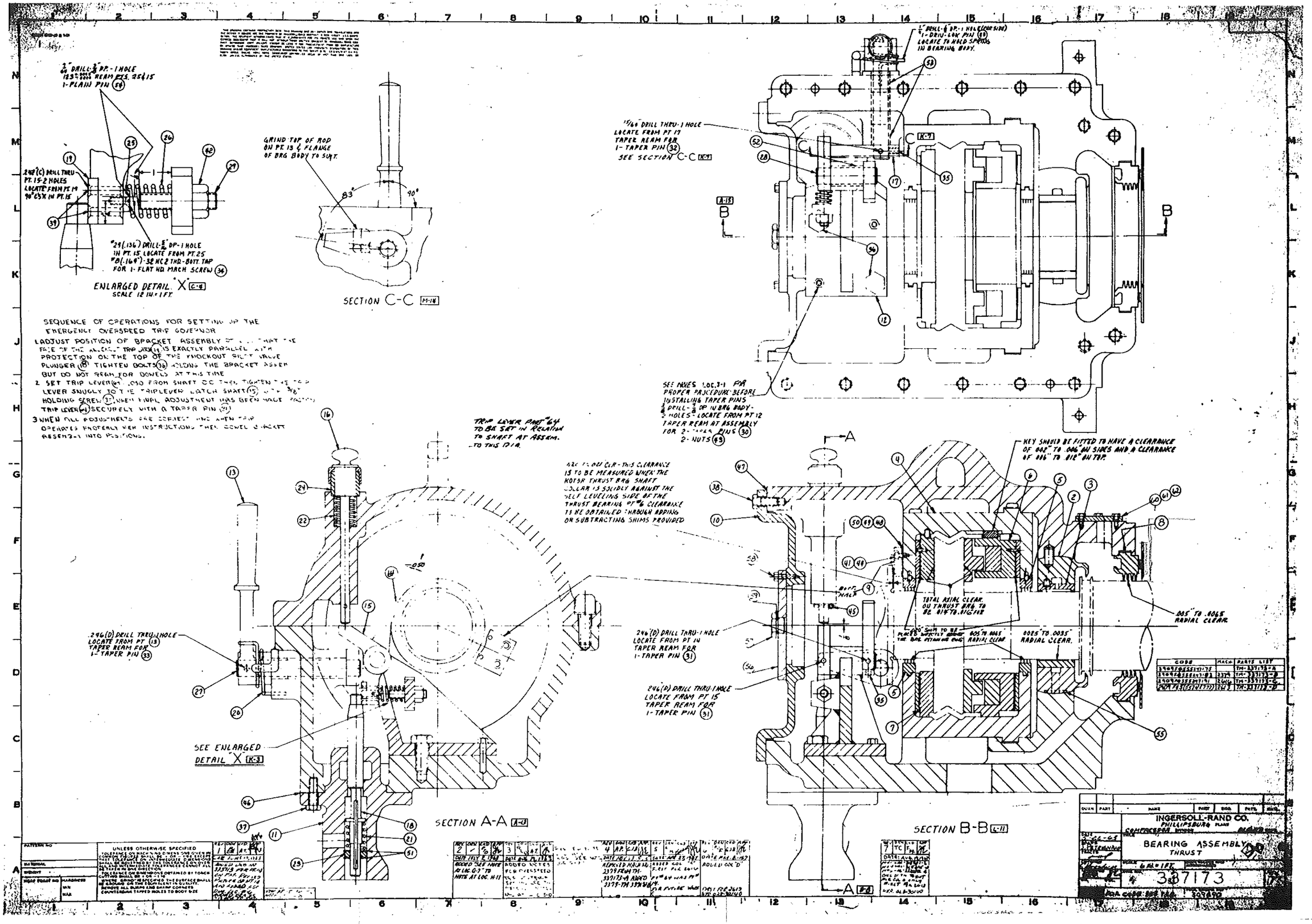
2" DRILL-3/8" DP.-1 HOLE
1.83"-2.000" REAM PTS. 25 & 15
1-PLAIN PIN (58)
GRIND TOP OF ROD ON PT. 15 ℄ FLANGE OF BRG BODY TO SUIT.
83°
90°
.2968"(C) DRILL THRU PT. 15-2 HOLES LOCATE FROM PT. 19 90° 65% IN PT. 15
"29(.136") DRILL-5/8" DP-1 HOLE IN PT. 15 LOCATE FROM PT. 25
"D(.168")-32 NC 2 THD-BOTT. TAP FOR 1-FLAT HD. MACH. SCREW (34)
ENLARGED DETAIL "X" C-4
SCALE 12 IN.=1 FT.
SECTION C-C M-14
15/64" DRILL THRU-1 HOLE LOCATE FROM PT. 17 TAPER REAM FOR 1-TAPER PIN (32) SEE SECTION C-C K-9
1/2" DRILL-1/8" DP.-1 HOLE (FOR SIZE) 1-DRIV-LOK PIN (61) LOCATE TO HOLD SPRING IN BEARING BODY.
SEE NOTES 1,2,3-1 FOR PROPER PROCEDURE BEFORE INSTALLING TAPER PINS
DRILL-3/8" DP IN BRG BODY-2 HOLES-LOCATE FROM PT 12 TAPER REAM AT ASSEMBLY FOR 2-TAPER PINS (30) 2-NUTS (49)
SEQUENCE OF OPERATIONS FOR SETTING UP THE EMERGENCY OVERSPEED TRIP GOVERNOR
1. ADJUST POSITION OF BRACKET ASSEMBLY SO THAT THE FACE OF THE ALCOHOL TRIP LATCH (14) IS EXACTLY PARALLEL WITH PROTECTION ON THE TOP OF THE KNOCKOUT PILOT VALVE PLUNGER (18) TIGHTEN BOLTS (38) HOLDING THE BRACKET ASSEM BUT DO NOT REAM FOR DOWELS AT THIS TIME
2. SET TRIP LEVER (64) .050 FROM SHAFT CC THEN TIGHTEN THE TOP LEVER SNUGLY TO THE TRIPLEVER LATCH SHAFT (15) WITH 3/8" HOLDING SCREW (32) WHEN FINAL ADJUSTMENT HAS BEEN MADE POSITION TRIP LEVER (64) SECURELY WITH A TAPER PIN (31)
3. WHEN ALL ADJUSTMENTS ARE CORRECT AND WHEN TRIP OPERATES PROPERLY PER INSTRUCTIONS THEN DOWEL BRACKET ASSEMBLY INTO POSITIONS.
TRIP LEVER PART "64" TO BE SET IN RELATION TO SHAFT AT ASSEM. TO THIS DIA.
ADJ. TO .001 CLR.-THIS CLEARANCE IS TO BE MEASURED WHEN THE MOTOR THRUST BRG SHAFT COLLAR IS SOLIDLY AGAINST THE SELF LEVELING SIDE OF THE THRUST BEARING PT "6" CLEARANCE TO BE OBTAINED THROUGH ADDING OR SUBTRACTING SHIMS PROVIDED
KEY SHALL BE FITTED TO HAVE A CLEARANCE OF .002" TO .006" ON SIDES AND A CLEARANCE OF .016" TO .012" ON TOP.
TOTAL AXIAL CLEAR. ON THRUST BRG TO BE .014" TO .016"
.005" TO .006" RADIAL CLEAR.
.005" TO .006" RADIAL CLEAR.
.005" TO .006" RADIAL CLEAR.
.2968(D) DRILL THRU-1 HOLE LOCATE FROM PT. 13 TAPER REAM FOR 1-TAPER PIN (33)
.2968(D) DRILL THRU-1 HOLE LOCATE FROM PT. 15 TAPER REAM FOR 1-TAPER PIN (31)
.2968(D) DRILL THRU-1 HOLE LOCATE FROM PT. 15 TAPER REAM FOR 1-TAPER PIN (31)
SEE ENLARGED DETAIL "X" K-3
SECTION A-A A-8
SECTION B-B L-11
INGERSOLL-RAND CO.
PHILLIPSBURG PLANT
COMPRESSOR DIVISION
BEARING ASSEMBLY THRUST
387173