

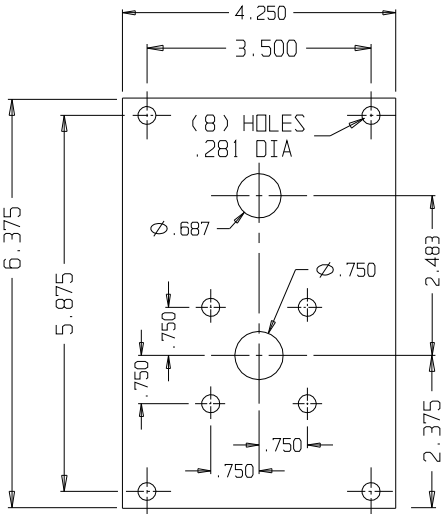
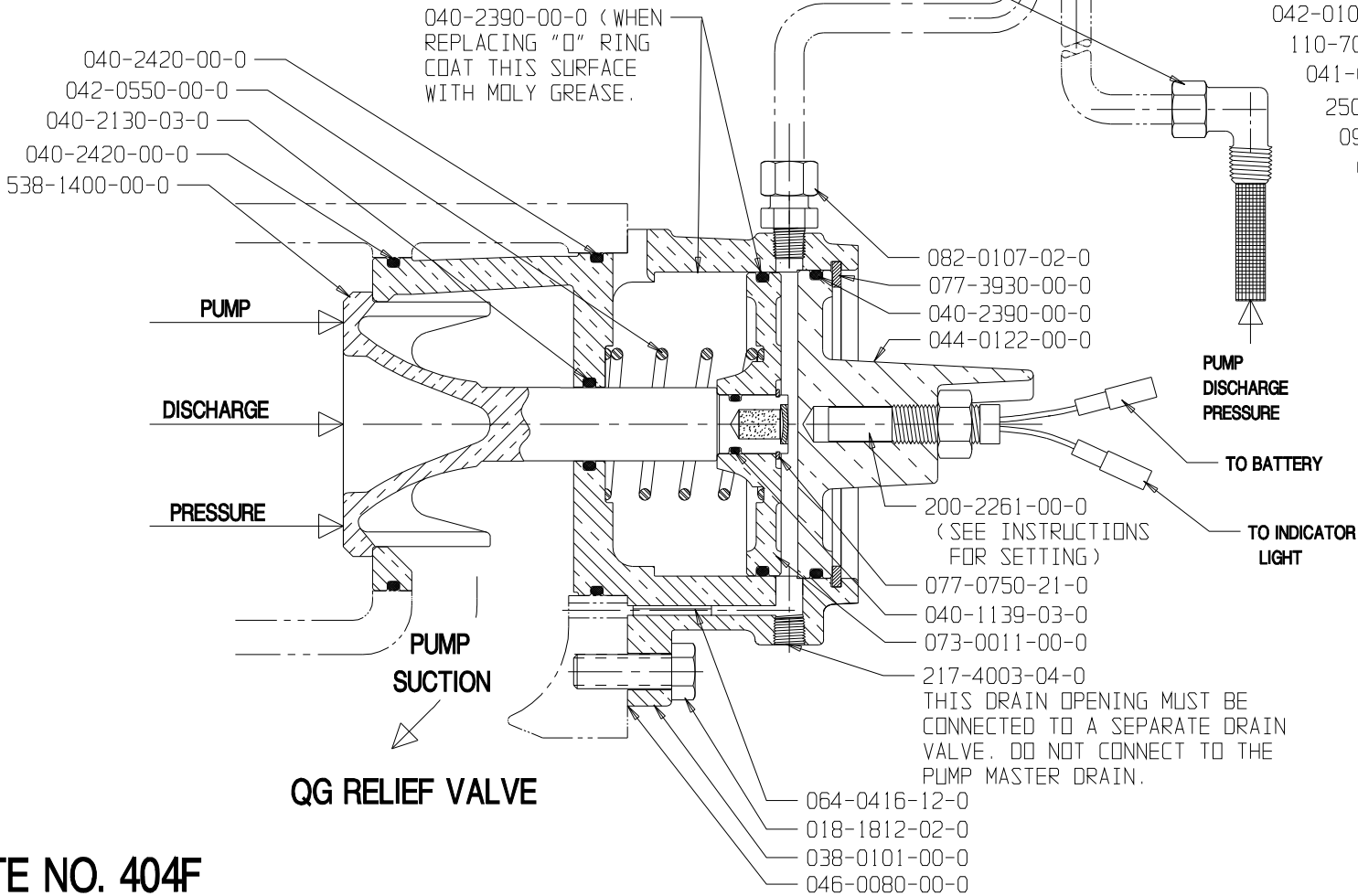
HALE TYPE QG RELIEF VALVE WITH PM CONTROL VALVE

INSTRUCTIONS FOR SETTING

- 1- TO SET THE RELIEF VALVE, BRING THE PUMP UP TO DESIRED OPERATING PRESSURE. USE THE DISCHARGE PRESSURE GAUGE.
- 2- ONCE YOU HAVE REACHED THE NORMAL OPERATING PRESSURE, WITH THE PUMP DISCHARGING WATER, SLOWLY MOVE THE ADJUSTING HANDWHEEL COUNTERCLOCKWISE UNTIL THE RELIEF VALVE OPENS AND THE AMBER INDICATOR LIGHT COMES ON.
- 3- THEN TURN HANDWHEEL ABOUT 1/2 TURN CLOCKWISE UNTIL THE INDICATOR LIGHT GOES OFF. THE RELIEF VALVE WILL NOW OPERATE AT THE SET PRESSURE.
- 4- WHEN THE PUMP IS NOT IN OPERATION THE HANDWHEEL SHOULD BE TURNED CLOCKWISE BACK TO A POSITION SLIGHTLY ABOVE THE NORMAL OPERATING PRESSURE.
- 5- WHEN THE PUMP IS RUNNING, A LIT INDICATOR LIGHT INDICATES THE INTERNAL QG RELIEF VALVE IS IN OPERATION.
- 6- READ INSTALLATION AND OPERATION MANUAL FOR ADDITIONAL OPERATING INSTRUCTIONS.

INSTRUCTIONS FOR SETTING THE INDICATOR LIGHT SWITCH

TO INSTALL A 200-2261-00-0 REPLACEMENT SWITCH, CONNECT THE LEADS OF THE SWITCH TO A TEST LIGHT. THE TEST LIGHT SHOULD BE LIT. SCREW THE SWITCH INTO THE 044-0122-00-0 COVER. THE COVER AND THE REST OF THE QG RELIEF VALVE PARTS SHOULD BE COMPLETELY ASSEMBLED. AS THE SWITCH IS SCREWED INTO THE COVER, THE TEST LIGHT WILL GO OFF. THREAD THE SWITCH IN AN ADDITIONAL 3/4 TO 1-1/4 TURNS. THE SWITCH LOCATION IS NOW SET. TIGHTEN THE SWITCH LOCK NUT.



INSTRUCTION PLATE-PANEL
MOUNTING HOLE DIMENSIONS

PM CONTROL VALVE

INSTALL THE PM CONTROL VALVE AT A LEVEL HIGHER THAN THE MAIN RELIEF VALVE SO THAT THE CONTROL VALVE AND TUBING LINES WILL DRAIN NATURALLY AND COMPLETELY. THIS IS IMPORTANT TO PREVENT DAMAGE FROM FREEZING.

ADJUSTING HANDWHEEL

018-1214-45 SCREW
110-1205-11 NUT

WARNING-

FAILURE TO FOLLOW THE OPERATING, LUBRICATION AND MAINTENANCE REQUIREMENTS SET FORTH HERE AND IN THE OPERATING AND INSTRUCTION MANUAL MAY RESULT IN SERIOUS PERSONAL INJURY AND/OR DAMAGE TO EQUIPMENT.

MAINTENANCE--

TEST THE RELIEF VALVE OFTEN TO BE SURE IT MOVES FREELY. THIS IS DONE BY TURNING THE CONTROL VALVE ADJUSTING HANDWHEEL CLOCKWISE AS FAR AS POSSIBLE. BRING THE PUMP PRESSURE UP TO 150 PSI AND TURN HANDWHEEL COUNTERCLOCKWISE UNTIL THE RELIEF VALVE OPENS. TURNING THE HANDWHEEL CLOCKWISE AND COUNTERCLOCKWISE AT 150 PSI WILL CAUSE THE RELIEF VALVE AND CONTROL TO OPERATE. THIS WORKING ACTION FREES THE VALVE AND HELPS TO INSURE PROPER OPERATION. THE PM CONTROL SHOULD BE LUBRICATED AT LEAST EVERY SIX MONTHS. TURN THE HANDWHEEL CLOCKWISE AS FAR AS POSSIBLE AND BRUSH A LITHIUM BASE GREASE WITH 1-3% MOLYBDENUM DISULFIDE ON THE THREADED SHAFT WHERE INDICATED.

APPROVED GREASES ARE:

DOW CORNING BR2-PLUS,	IMPERIAL #777
LUBRIPLATE-FISKE #3000,	MOBIL-MOBILGREASE SPECIAL
SHELL SUPER DUTY GREASE,	SUN OIL-SUNOCO MOLY #2EP

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CONSHOHOCKEN, PA 19428
U S A

PLATE NO. 404F