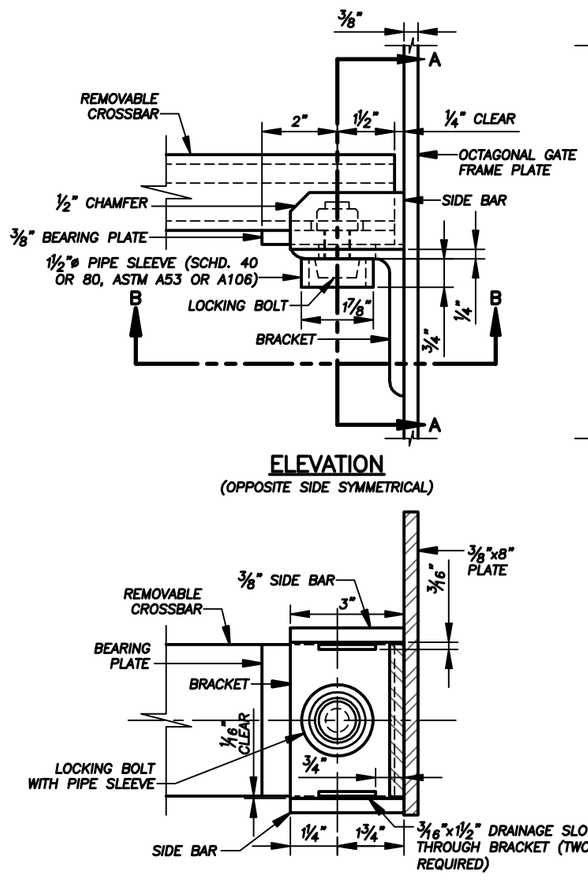
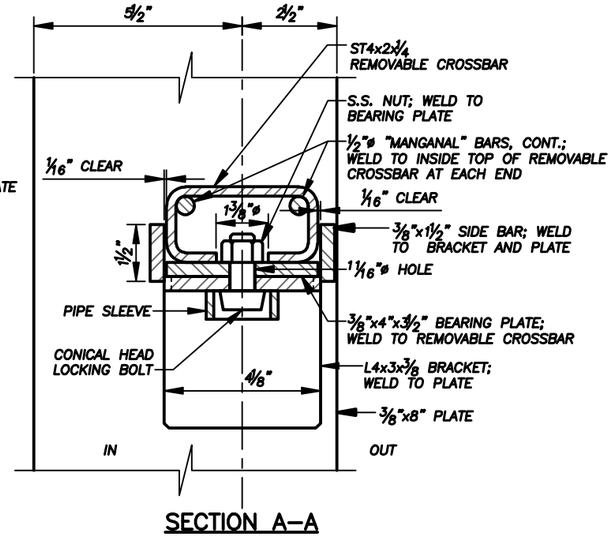


ELEVATION
(OPPOSITE SIDE SYMMETRICAL)

SECTION B–B



SECTION A–A

REMOVABLE BAR LOCK DETAILS AT GATE FRAME PLATES

GENERAL NOTES:

1. STEEL PLATES AND SHAPES SHALL BE WEATHERING STEEL. WELD ALL JOINTS, EXCEPT AS OTHERWISE INDICATED. CONSTRUCT THE LOCK TO ELIMINATE SURFACES ON WHICH MOISTURE OR DEBRIS CAN BE TRAPPED. JOINTS SHALL BE TIGHT SO THAT MOISTURE CANNOT ENTER BETWEEN THE PLIES OF MATERIAL. ROUND OR CHAMFER ALL EXPOSED SHARP CORNERS AND EDGES.

2. "MANGANAL" BARS SHALL BE HIGH MANGANESE STEEL WITH 12% TO 14% MANGANESE. EACH BAR SHALL EXTEND THE FULL LENGTH OF EACH REMOVABLE CROSSBAR.

3. ALONG THE BOTTOM OF EACH REMOVABLE CROSSBAR, DRILL ½" DIAMETER HOLES AT 2'–0" O.C.

4. THE CONTRACTOR SHALL PROVIDE THE NUTS (⅞"ø–11 UNC CLASS 2A THREAD). NUTS SHALL BE STAINLESS STEEL. THE PROJECT MANAGER WILL SUPPLY THE LOCKING BOLTS.

5. GREASE THE THREADS OF LOCKING BOLTS AND INSTALL FIRMLY WITH 50 TO 75 POUNDS OF TORQUE.

ABANDONED MINE LAND PROGRAM
MINING AND MINERALS DIVISION
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

SCALE: 3" = 1'–0"		DRAWN BY: JAK
DATE: OCT. 18, 2006		REVISED:

REMOVABLE CROSSBAR LOCK DETAILS

LAKE VALLEY MINE SAFEGUARD PROJECT – PHASE II | DRAWING NUMBER: FIGURE 42

REMOVABLE_BAR_LOCK.DWG PLOT SCALE 1 = 4