TYPICAL MANHOLE END RETURN ASSEMBLY

SPECIFICATIONS:
- All welding shall be performed according to the Structural Welding Code for Steel - AWS D1.1-90.
- A certified welder shall perform all welding.
- 70,000 psi welding rod or wire shall be used to complete the welds.
- The replacement end return and all components in the assembly shall be manufactured by GME.

PROCEDURE:
1. Cut off damaged end return, being careful not to cut into the vertical tube. Clean the area to be welded thoroughly with a wire brush or grinding wheel.
2. Place pre-fabricated manhole end return on to the end of the manhole. Top of end return assembly to be flush with top horizontal tube on manhole shield.
3. Weld the interior of the replacement end return to shield as shown, horizontal tubes and the interior of the skin plate. Once all interior welds have been completed, rotate the manhole shield in order to complete the all around fillet weld called for the skin plate to end tube. (See Diagram)
4. Place gussets as shown in diagram. Center the middle gusset assembly horizontally along the middle horizontal of end return as shown. The top gusset to be welded flush with to the top of the shield and the bottom gusset to be weld flush to the bottom of the end return as shown.