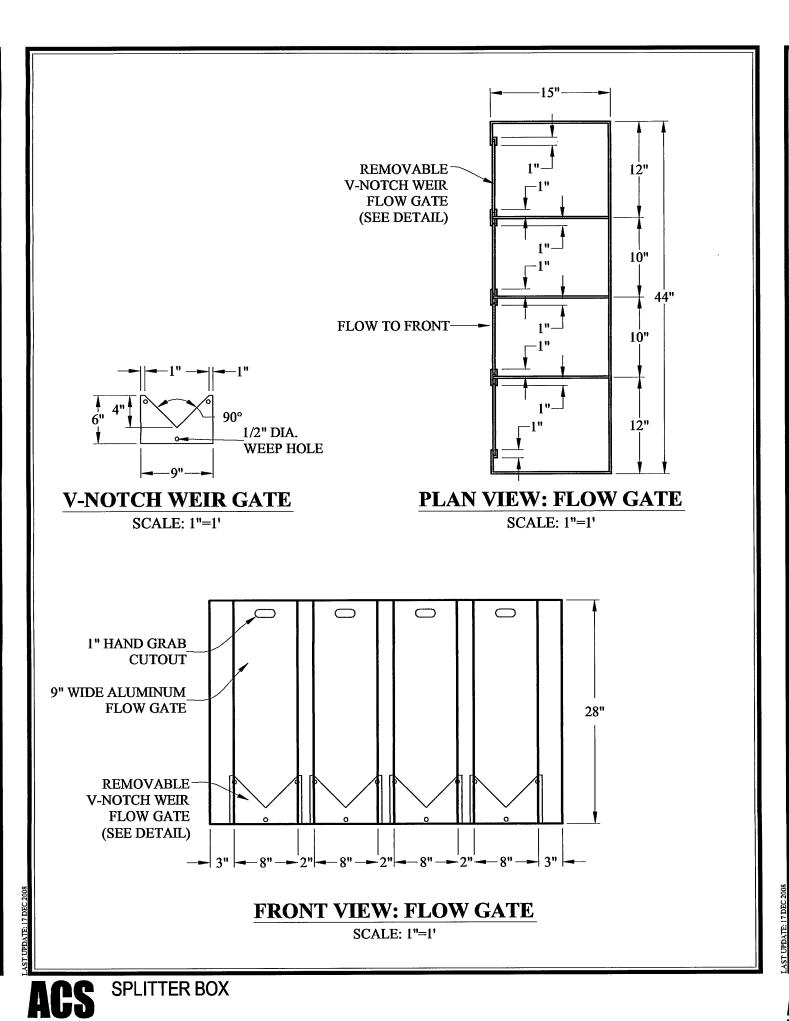


HEADWORKS GENERAL NOTES:

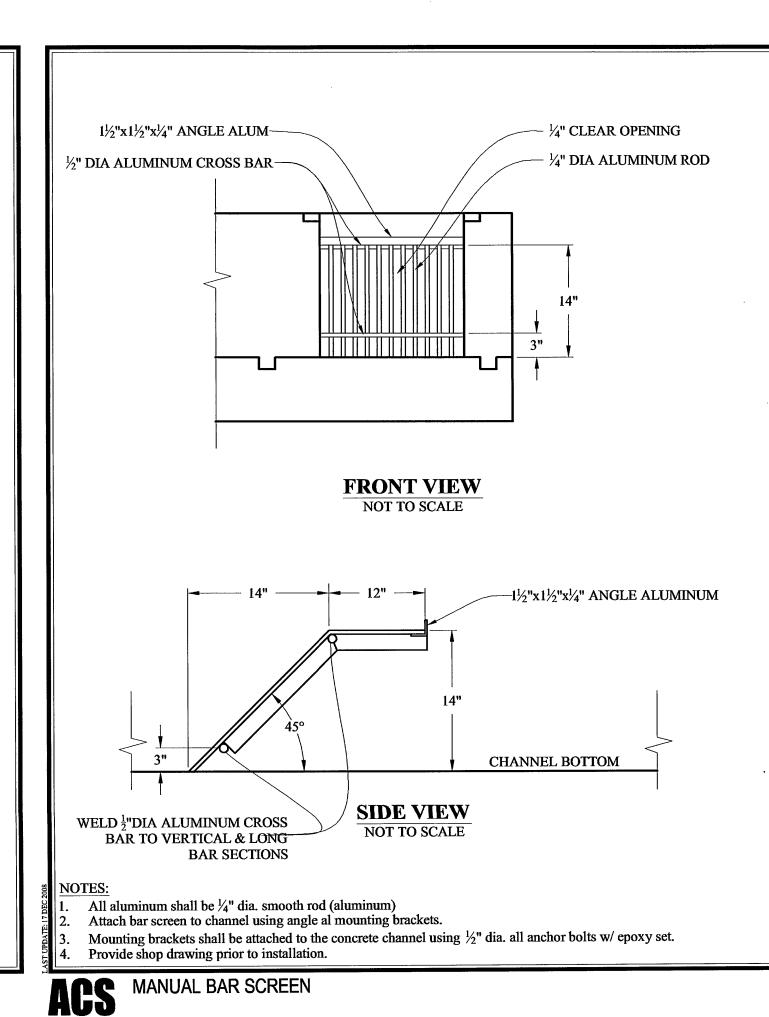
- Refer to detailed WWTP Configuration Plan and Profiles for location of headworks and connection to the proposed WWTP. Refer to the WWTP Site Plan, Sheet C6.2, for proposed location of WWTP Facility and connection to Wirtz Central Sewer System.
- Coordinate the vertical placement of the headworks with the site plan and profile sheets. The Headworks consists of a raw wastewater inlet, automatic conveyor screen, emergency by-pass channel with manual bar screen, and a flow splitter box. The headworks have been designed to accommodate a peak hydraulic flow of approximately 112 Gallons Per Minute (GPM).
- The automatic conveyor screen shall be Enviroquip FS-600S with 2mm clear openings. The automatic conveyor screen shall be installed in a prefabricated corrosion resistant metal box insert. The prefabricated metal box insert may be equipped with 8-inch diameter pipe extensions with pipe flanges to facilitate concrete wall penetrations as indicated in the detail drawings.
- The splitter box insert shall be premanufactured and constructed from stainless steel or aluminum. The splitter box shall have provisions for sliding flow gates and or sliding V-Notch Weirs. See flow gate and V-Notch weir details this sheet. The manual bar screen shall be constructed from 1/4-inch aluminum bars. Longitudinal bars shall
- be 1/4-inch diameter and spaced with 1/4-inch openings. Transverse bars shall be 1/2-inch diameter. Manual bar screen shall have aluminum side angles to permit anchor bolting to the by-pass concrete channel. See detail for dimensions and installation.
- The automatic conveyor screen shall be activated by a float switch. A second float switch shall be provided for high water alarming purposes. The conveyor screen shall have a highwater emergency light installed on a bracket and attached to the high water alarm switch.
- All wall penetrations shall be 8-inch diameter unless otherwise noted. Penetrations may be accomplished by installing wall sleeves or coring. Wall flange adapters may be used to facilitate pipe connections.
- Headworks tank shall be covered with a removable 1-1/2-inch thick aluminum grate.

MASTEWATER TREATMENT PLANT (WWTP) HEADWORKS (3 OF 3)

1/4" ALUM ANGLE (TYP) REMOVABLE FLOW GATE (ALUMINUM) 1/2" DIA. x3" STAINLESS PLAN AT BY PASS CHANNEL NOT TO SCALE -1" HAND GRAB CUT OUT 12" WIDE REMOVABLE ALUMINUM FLOW GATE AS SHOWN ON HEADWORKS 1/2"x 3" SS ANCHOR BOLT @ 12" OC (TYP.) (EPOXY SET) $1\frac{1}{2}$ "x $1\frac{1}{2}$ "x $\frac{1}{4}$ " ANGLE ALUMINUM - PVC WATER STOP (TYP) PROVIDE FLOW GATE EMBED SECTION: AT BY PASS CHANNEL NOT TO SCALE **ALUMINUM FLOW GATE**



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16 JAN 2009

C6.5

WWTP HEADWORKS STRUCTURES AND **EQUIPMENT**