



**NOTE:**

1. SIDEWALL TRANSITIONS/BULKHEADS TO BE PROVIDED ON UPSTREAM AND DOWNSTREAM SIDES OF 9" FLUME. SIDEWALL TRANSITIONS/BULKHEADS SHALL INCLUDE FLOOR EXTENSIONS OR HAVE THE GROUT FLOOR NEATLY PLACED BETWEEN THEM SO THE FLOW THROUGH THE FLUME AND ITS MEASUREMENT ARE NOT ADVERSELY EFFECTED.

2. INSTALL PVC STRIP DOOR TO PREVENT EXCESS AIR LEAKAGE OUT EFFLUENT PIPE. STRIP DOOR SHALL BE ALECO (DIVISION OF E.S. ROBBINS CORP.) MODEL CLEAR-FLEX II OR EQUAL. MINIMUM DOOR SIZE OF 3'-0"x3'-0" WITH STAINLESS STEEL MOUNTING HARDWARE AND APPURTENANCES. REPLACEABLE CLEAR PVC STRIPS SHALL BE MINIMUM 4" WIDE WITH SMOOTH FINISH AND NOMINAL 50% OVERLAP. FOLLOWING START-UP ACTIVITIES, FIELD TRIM BOTTOM OF STRIPS TO MINIMIZE FLOW OBSTRUCTION DURING/AT INITIAL FLOW DEPTHS.

**SHEET NOTES:**

1. ALL GROUT IN CHANNELS SHALL HAVE BOND BREAKER FOR PROTECTION AND SEPARATION OF GROUT FROM CHANNEL WALLS, CHANNEL BAFFLES, FLUME INSERTS, ETC.

2. FOR INSTRUMENTATION DEVICES, DISCRETE CONTACT AND POWER CONDUCTORS MAY BE RUN IN THE SAME CONDUIT. SIGNAL (4-20mA) CONDUCTORS MUST BE RUN IN SEPARATE CONDUITS FROM POWER CONDUCTORS.

3. \* INDICATES DIMENSIONS THAT MAY VARY ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH THE EQUIPMENT MANUFACTURERS AND APPROVED SHOP SUBMITTAL DOCUMENTS.

**NOTES:**

1. DETAILS SHOWN ABOVE APPLY TO SCREEN CHANNEL NO. 1 AND GRIT CHAMBER NO. 1. A SECTION SIMILAR TO THAT SHOWN ABOVE APPLIES TO SCREEN CHANNEL NO. 2 AND GRIT CHAMBER NO. 2 EXCEPT IN A MIRRORRED CONFIGURATION. REFER TO THE EQUIPMENT AND PIPING PLAN FOR THE CORRECT ORIENTATION AT ALL EQUIPMENT AND APPURTENANCES.

2. CRITICAL SCREEN CHANNEL DIMENSIONS FOR SCREEN CHANNEL NO. 2 WILL VARY FROM THAT SHOWN ABOVE. REFER TO STRUCTURAL FOUNDATION PLAN AND SECTIONS FOR CORRECT DIMENSIONS.

3. PLACE ULTRASONIC LEVEL SENSORS AND HIGH LEVEL FLOAT SWITCH IN CHANNEL AT DIMENSIONS SHOWN UNLESS OTHERWISE RECOMMENDED BY SCREEN MANUFACTURER.

REVISIONS		
NO.	DATE	DESCRIPTION
1	09/03/2010	PRELIMINARY ISSUE FOR REVISED COST ESTIMATE
2	04/08/2011	ISSUED FOR PREPARATION OF CMO
3	05/17/2011	ISSUED FOR PREPARATION OF CMO
4	06/20/2011	ISSUED FOR BUILDING PERMIT SUBMITTAL TO PPBDO (HEADWORKS BUILDING)
5	08/05/2011	ISSUED FOR CONSTRUCTION PER PPBDO BUILDING PERMIT #68510 (HEADWORKS BLDG)

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**PROCESS EQUIPMENT AND PIPING SECTIONS**  
HAROLD D. THOMPSON REGIONAL WATER RECLAMATION FACILITY  
LOWER FOUNTAIN METROPOLITAN SEWAGE DISPOSAL DISTRICT

**DRAWN** MAM/GLY  
**DESIGNED** RJS  
**CHECKED** RJS  
**DATE** 2010  
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**SHEET** HW-16  
**OF** —

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