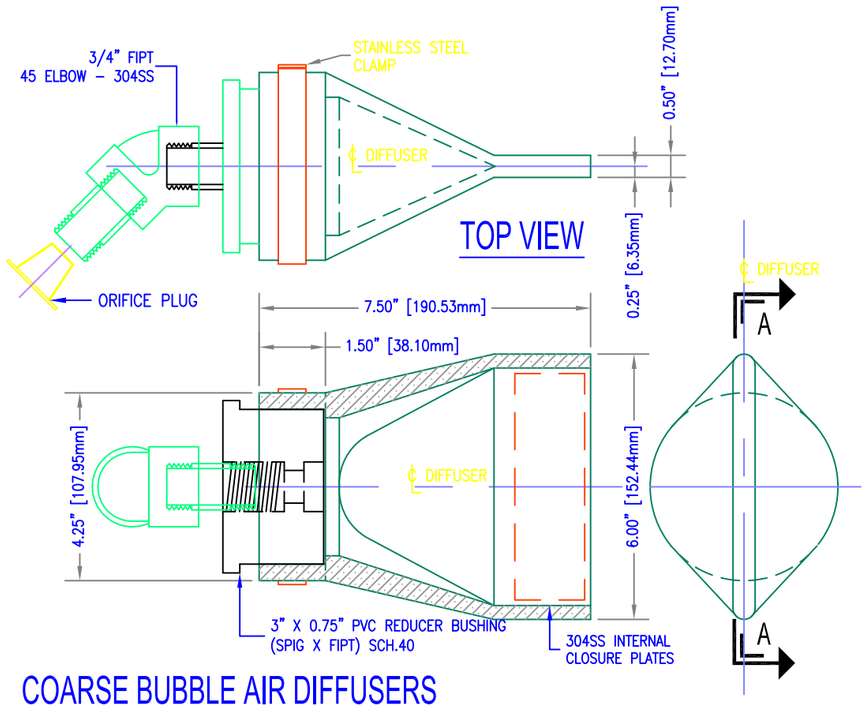

COARSE BUBBLE AIR DIFFUSERS WITH CLOSURE PLATE DESIGN

SECTION A-A

END VIEW

30	CFM	MAXIMUM OPERATING AIRFLOW
12.5	IN. H20	DIFFUSER HEADLOSS AT MAX AIRFLOW
14.0	IN. H20	ORIFICE HEADLOSS AT MAX AIRFLOW
26.5	IN. H20	TOTAL HEADLOSS AT MAX FLOW
MOLDED		DIFFUSER CONSTRUCTION
304SS		INTERNAL CLOSURE PLATES
EPDM		ELASTOMER MATERIAL
HOSE CLAMP		CLAMP TYPE
304SS		CLAMP MATERIAL
304SS		DIFFUSER NPT CONNECTION MATERIAL
0.75	IN	DIFFUSER NPT CONNECTION DIAMETER
304SS		ORIFICE MATERIAL
NIPPLE		ORIFICE TYPE
0.750	IN	ORIFICE DIAMETER

This system was designed by CH2M Hill Engineers to provide recirculation of the storage water while at the same time maintain an aerobic environment. The propeller mixing assemblies were designed to utilize the Tideflex Check Valve Coarse Bubble Diffusers.

NVEnergy

REV	BY	DATE	ECO#	CHK'D	DESCRIPTION

S.O.#: QUOTE #:

DWG. NOTES:

CH2MHILL

Application: Storage Reservoir
Project Location: Tracy Power Plant, Nevada
Engineer: CH2M Hill (Las Vegas, Nevada)

Tideflex Technologies
A Division of Red Valve Company, Inc.,

600 North Bell Ave.
Carnegie, PA 15106 USA
Phone: 412-279-0044
Fax: 412-279-5410
Website: WWW.TIDEFLEX.COM
Email: INFO@TIDEFLEX.COM

TIDEFLEX TECHNOLOGIES
AIR DIFFUSER SYSTEM

NEVADA ENERGY - TRACY POWER PLANT
SECONDARY WATER STORAGE RESERVOIR
AERATION SYSTEM - ASSEMBLY PLAN

CONSULTANT:
APPLICATION:
CAD SCALE: FULL PLOT SCALE:
DWG. BY: DATE:
DWG. NO. A-110304
SHEET