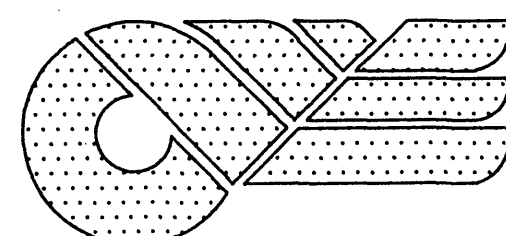


NOTES:

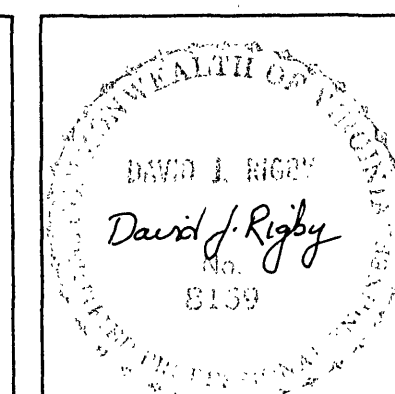
1. RUN SEPARATE SULFUR DIOXIDE VENT LINES TO ATMOSPHERE. ENDS DOWN AND COVER WITH INSECT SCREEN. MANIFOLDING OF VENT LINES IS NOT RECOMMENDED.
2. ALLOW 9 FEET (3 M) CLEARANCE FROM VAPORIZER BASE TO BOTTOM OF A LIFTING DEVICE FOR REMOVAL OF VAPORIZER CHAMBER. POSITION PIPING AND UNIONS AWAY FROM VAPORIZER TOP.
3. ALL SULFUR DIOXIDE LIQUID AND GAS PRESSURE PIPE TO BE SCH 80, ASTM A105, BLACK SEAMLESS CARBON STEEL. FITTINGS TO BE FORGED CARBON STEEL ASTM A105, 3000 LB.
4. EACH SECTION OF SULFUR DIOXIDE LIQUID PIPING BETWEEN SHUT-OFF VALVES SHOULD BE EQUIPPED WITH AN EXPANSION CHAMBER. CHAMBER SHOULD HAVE A CAPACITY OF AT LEAST 20% OF LINE VOLUME IT PROTECTS AND MOUNTED AT THE HIGHEST POINT.
5. ALL SULFUR DIOXIDE VACUUM AND VENT PIPING TO BE SCH 80 PVC.
6. A MINIMUM AMBIENT TEMPERATURE OF 65 DEG F (18 DEG C) MUST BE MAINTAINED AT TON CONTAINERS.



CLEAN WATER ENGINEERS, INC.

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ROANOKE WATER POLLUTION CONTROL FACILITY
CHLORINATION/DECHLORINATION FACILITIES
SULFUR DIOXIDE GAS DELIVERY SYSTEM



REVISIONS		
NO.	DATE	BY
1	5-9-89	DJR

DESIGNED:	WGP	SHEET: 6 OF 10
DRAWN:	CAD	SCALE: AS SHOWN
CHECKED:	DJR	DATE: JAN 89
APPROVED:	DJR	PROJECT: 87025