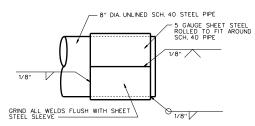


y4" GATE VALVE
y4" × 2" LONG NIPPLE
y4" NPT COUPLING
11/2" LONG (ASTM A865)
1/4"
y6" (TYPICAL)

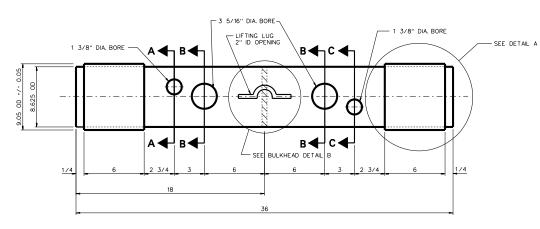


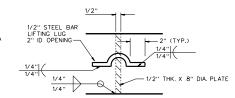
SECTION A-A

SECTION B-B

SECTION C-C

DETAIL A - TYPICAL





BULKHEAD DETAIL B - TYPICAL

8" CHLORINE TUBE

SPECIFICATIONS

1. FABRICATION OF CHLORINE TUBES

THE CHLORINE TUBES SHALL BE FABRICATED ACCORDING TO THESE PLANS AND SPECIFICATIONS. ALL DIMENSIONS SHALL NOT VARY MORE THAN AN V_8 " FROM THOSE SPECIFIED/SHOWN.

ALL DIMENSIONS ARE GIVEN IN INCHES EXCEPT WHERE NOTED.

ALL MATERIALS SHALL BE CLEAN CUT WITHOUT TORN OR RAGGED EDGES.

HOLES SHALL BE CUT, DRILLED OR PUNCHED AT RIGHT ANGLES TO THE SURFACE OF THE METAL.

2. MATERIAL

MATERIALS FOR CONSTRUCTION OF CHLORINE TUBES SHALL BE NEW AND SHALL MEET THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS AS TO QUALITY, PERFORMANCE, SUITABILITY AND APPEARANCE.

STEEL MEMBERS SHALL BE CUT TO LENGTH BY FLAME CUTTING, SHEARING OR SAWING. MILL WORK MAY NOT BE REQUIRED PROVIDED THAT PROPER SKILL HAS BEEN EXERCISED IN FABRICATION.

3. WELDING

ALL WELDS SHALL BE MADE AS SHOWN AND SHALL BE WATER TIGHT TO 200 PSIG. ALL WELDING SHALL COMPLY WITH STRUCTURAL WELDING CODE-STEEL, ANSI/AWS D1.1. WELDING SHALL BE DONE BY A WELDER QUALIFIED IN ACCORDANCE WITH ANSI/AWS D1.1. EVIDENCE OF CERTIFICATION MAY BE REQUIRED BY M. U. D.

4. COATING

ALL SURFACES SHALL BE COATED (INSIDE AND OUT) EXCEPT VALVES. VALVES SHALL HAVE FACTORY COATING.

SURFACE PREPARATION SHALL BE NEAR WHITE METAL BLAST CLEAN PER SSPC-SP10.

CHLORINE TUBES SHALL BE COATED WITH TNEMEC SERIES 20 POTA-POX, TNEMEC SERIES F020 POTA-POX (FAST CURE) OR PPG AQUAPON LT SERIES 95-172. THE COLOR SHALL BE WHITE WITH A MINIMUM DFT OF 10.0 $^{\rm TO}$ 014.0 MILS.

5. VALVES

3/4 " GATE VALVES SHALL BE PER MUD 119

2 1/2 " RESILIENT SEAT GATE VALVES SHALL BE THREADED AND PER MUD 122.

6. INSPECTION

ALL MATERIALS USED AND ALL WORK DONE SHALL AT ALL TIMES BE SUBJECT TO THE INSPECTION, TESTS, AND APPROVAL OF THE UTILITIES DISTRICT AND ITS AUTHORIZED REPRESENTATIVES.

ANY SUCH INSPECTION, TESTS, OR APPROVAL OF WAIVER OF TESTS SHALL NOT IN ANY WAY RELIEVE THE CONTRACTOR OF FULL RESPONSIBILITY FOR FURNISHING APPARATUS, EQUIPMENT, AND MATERIALS MEETING THE GUARANTEED PERFORMANCE AND REQUIREMENTS OF THE SPECIFICATIONS.

THE SUPPLIER SHALL FURNISH SAMPLES FOR TESTING PURPOSES OF ANY MATERIAL IF REQUIRED BY THE ENGINEER, AND SHALL FURNISH ANY INFORMATION REQUIRED CONCERNING THE NATURE OR SOURCE OF ANY MATERIAL USED.

PER MUD 119 2 2 1/2" THREADED RS GATE VALVE PER MUD 122 2 3/4" X 2" LONG NIPPLE 2 2 1/2" X 4" LONG NIPPLE 1 1/2" x 10" LONG STEEL BAR

METROPOLITAN UTILITIES DISTRICT
OMAHA, NEBRASKA

MUD 125(MUD119) FIG 2

DESCRIPTION

8" DIA. x 36" LONG UNLINED

6" x 27.0" 5 GAUGE SHEET

STEEL COUPLING FOR STD. WT. PIPE (ASTM A865)

1/2" THK. x 8" DIA. PLATE

LOW CARBON STEEL

1/2" DIA. x 5.5" LONG

CARBON STEEL ROD

3/4" THREADED GATE VALVE

3/4" X 11/2" LONG

2 1/2" X 3" LONG
NPT NON-RECESSED
STEEL COUPLING FOR STD.
WT. PIPE (ASTM A865)

NPT NON-RECESSED

SCH. 40 STEEL PIPE (ASTM A53)

BILL OF MATERIAL

UNIT TOTAL

SPEC NO.

QUAN.

STEEL

8" CHLORINE TUBE FOR CONTRACTED PROJECTS

ENGINEERING DATA					
		DATE	Г		
OWN. BY	LKL	2-19-97	1		
REVISED BY	MKM	10-22-10			
CK. BY ENGR.					
CK. BY CORSN. ENGR.					
CK. BY SR. ENGR.			1		

MEVISED BY	MKM	10-22-10	ı
CK. BY ENGR.			
CK. BY CORSN. ENGR.			
CK. BY SR. ENGR.			
APP. SUP'R ENGR.			
]
			1
			1
			1
			1

PAGE 1 OF 1