

TANK OR PRESSURE VESSEL
SPECIFICATION

PROJ/DEPT NCB OST Improvement

EQUIP. IDENT NO. 755

AUTH NO. 3162

PLANT W-G-K

BY G.P. Andrus

DATE 7/15/80

APPD

SHEET 1 OF 1

LOCATION

NAME SULFURIC ACID TANK

VERTICAL ☐ FLUID ☒ HORIZONTAL ☒ LBS/GAL 15.3 LBS/CU FT

SIZE CAP. 13000 GAL; 10' OD; 20'

TANGENT LENGTH WEIGHT TANK LBS; CONTENTS LBS

MATERIAL

TANK 316 SS

JACKET OR COIL HASTELLOY C (TO BE REMOVED)

STANDARDS, (1) DRAWING NUMBER OR SKETCH

TANK OR VESSEL D2.1 STD 52

MATERIAL SPECIFICATION

NOZZLE DETAILS

MANWAY DETAILS

SIGHT GLASS

AGITATOR NOZZLE

DIMENSIONAL TOLERANCES

FABRICATION SPEC D2.2 STD 8

HEAT TREATMENT

NAME PLATE

SURFACE PREP., COATING K1.3 STD C1 (STEEL)

SUPPORTS VENDOR DESIGN

HAND RAIL

INSULATION ATTACHMENT D3.2 STD 82 (T=1 1/2)

BAFFLES

DIP PIPE

THERMOWELL

LEVEL INSTRUMENT

LADDER, PLATFORM LUGS REQUIRED

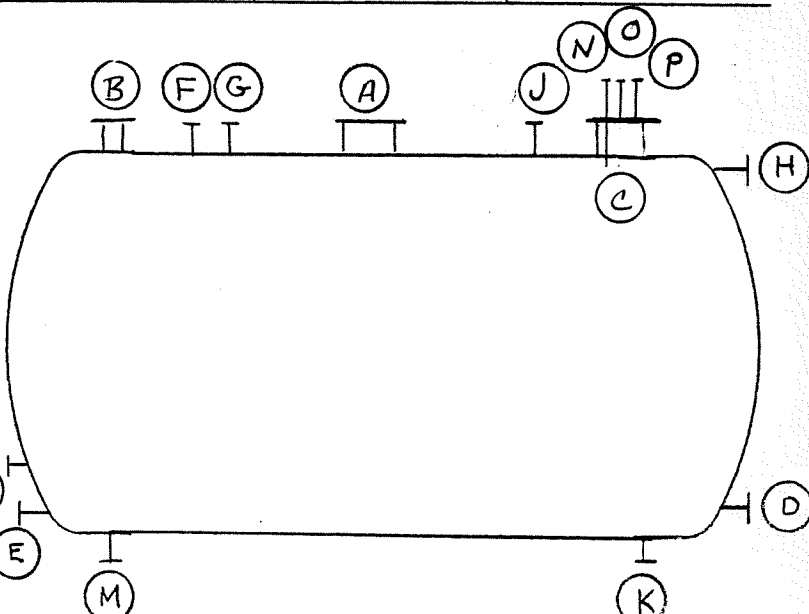
(1) MARK OPTIONS PER INSTRUCTIONS IN STANDARDS.

NOZZLE SCHEDULE

☐ PER TANK STD ☒ AS BELOW

MK	SIZE NPS	PIPE SCH	FLG TYPE	FLG RATING	NOZZLE FUNCTION
A	24				MANWAY
B	24				PUMP
C	18				BLANK
D	1 1/2				Temp Indicator
E	3				Level Indicator
F	3				INLET
G	2				VENT
H	3				OVERFLOW
J	3				RECYCLE
K	2				DRAIN
L	1 1/2				Temp Recorder
M	2				DRAIN
N	2				SAMPLE RECYCLE
O, P	3				LEVEL ALARM

REV NO.	REVISION	BY	DATE	APPD	DATE	VENDOR
1						
2						
3						



MODIFICATIONS TO EXISTING TANK:

1. Remove existing coil (15 turns of 1" Hastelloy C, 20" diam, 4" pitch, starting 6" from bottom) from nozzle B
 2. Add nozzles N, O, P to cover of nozzle B, and extending into tank for Nozzle N
 3. Add 3' Spool Piece to 24" nozzle.
- Note: No welding is to be done on this tank

Tank originally installed on CEA 2852 as Item 116.

MAWP, PSIG	VESSEL	@	F	JKT OR COIL	@	F
TEST PRESS. PSIG @	F	VESSEL		JKT OR COIL		
NATL BD NO.	MFR NO.			M CO. NO.		

#86228