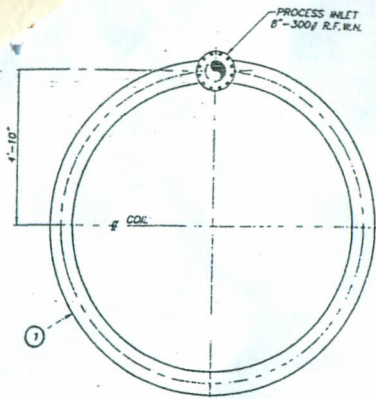


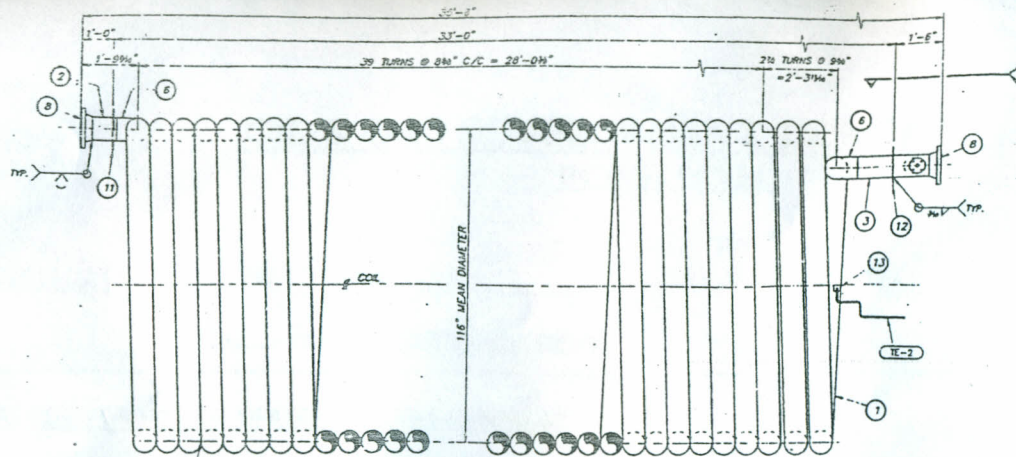
CLARIFICATION#1 AGAINST TENDER # PROC-SERVICES/CB/P&P-4678/2020
HIRING OF SERVICES FOR EXECUTION OF ATA-2020 JOBS AT SINJHORO GAS FIELD

Following Clarifications has been made in the subject tender.

S. No.	Clarifications	OGDCL Reply
1	Client to confirm is there any requirement of Welder qualification test (WQT) for welders or valid card holders are acceptable?	Valid card holders are acceptable.
2	Client to confirm either they'll provide area of fabrication workshop and temporary site facility for contractor offices.	Yes, will provide.
3	As per ITB we understand that all direct material will be provided by client. Client to confirm if there is any material which is in contractor scope.	Consumables are in contractor scope. Gaskets will be provided by OGDCL
4	Client to provide area(m2) for Insulation jobs.	Please quote unit rates.
5	Client to provide area(m2) for Painting jobs.	Please quote unit rates.
6	As per ITB contractor have the scope of 50 Mech. valves (Dismantling, Reinstallation and Repairing if required) Client to share their sizes for estimation against their work orders.	Valve sizes have already been shared.
7	Client to share tentative structure scope (weight) against all structure related jobs.	N/A
8	As per ITB Contractor has the scope of replacement of Hot Oil Heater Coil (coil size 10ft dia and 38ft length). Client to share drawings.	Drawing attached.
9	Client to specify jobs which require hydraulic tightening.	Mercury Guard Bed, Molecular Sieve and Separator Jobs require hydraulic tightening.
10	Client to confirm whether compressed air will be supplied in plant area?	Yes, will be provided.

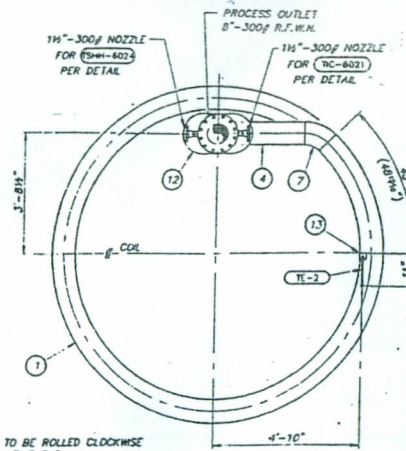


INLET END



SIDE VIEW

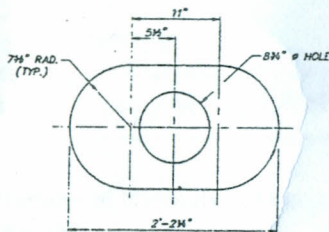
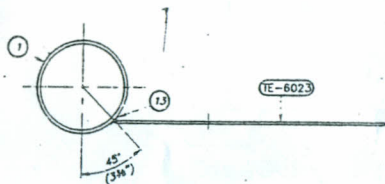
3" I.G. STITCH WELD
5 PLACES EACH TURN
(STARTING 36" AWAY FROM
FLANGE ON INLET END)



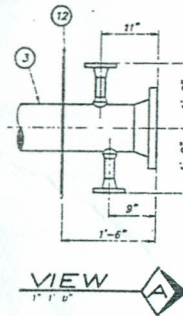
OUTLET END

NOTE: COIL TO BE ROLLED CLOCKWISE
FROM THIS END

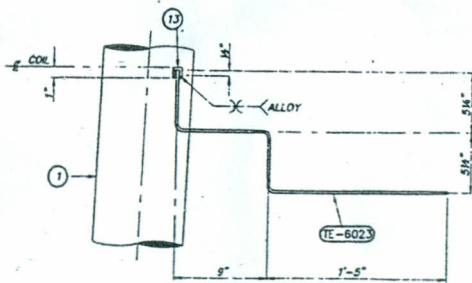
PER A.S.M.E. CODE
BY: M.S. DATE: 11/2/93



ITEM 12
1 1/2" - 1" O.D.
(1 REQ'D)

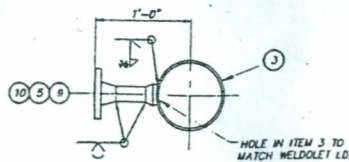


VIEW A



THERMOCOUPLE ATTACHMENT

NOTE: S.S. PAD TO BE SEAL WELDED TO PIPE BY COIL FABRICATOR
THERMOCOUPLE TO BE ATTACHED TO PAD BY THERMOFLUX.



1 1/2" NOZZLE
1 1/2" - 1" O.D.
(TYP. 2 PLACES)

CERTIFIED FINAL
11/2/93

- NOTES**
- COIL TO BE DESIGNED, FABRICATED & STAMPED IN ACCORDANCE WITH ASME CODE SECT. V II, DIV. 1 1992 EDITION, 1992 ADDENDA.
 - NATURAL BOARD NO. IS NOT REQ'D.
 - MATERIAL:
PIPE: 8" SCH. 40 (.322" WALL) SA-106 B
1 1/2" SCH. 160 (.281" WALL) SA-106 B
FITTINGS: 8" SCH. 40 SA-234 WPB
FLANGES: 8"-300# RFWN SA-105
1 1/2"-300# RFWN SA-105
 - DESIGN PRESSURE: 140 P.S.I.G.
 - M.A.W.P.: 535 P.S.I.G.
 - DESIGN TEMP.: 650° F
 - MIN. DESIGN METAL TEMP.: -20° F
 - HYDRO-TEST PRESSURE: 805 P.S.I.G.
 - IMPACT TESTING: EXEMPT PER UG-20 (I)
 - HEAT TREAT: NOT REQ'D.
 - RADIOGRAPH: 100% OF ALL PRESSURE WELDS
 - CORROSION ALLOWANCE: .125"
 - HEATING SURFACE: 2870 SQ. FT.
 - COIL CAPACITY: 3327 GALLONS
 - FLANGE BOLT HOLES TO STRADDLE NATURAL G'S.
 - EX-EX PER DWG. CEG-7032-20.
 - APPROX. WEIGHT: 36,700 LBS. (DRY) 64,425 LBS. (HYDRO)
 - TWO COILS REQUIRED: 7032A & 7032B
 - WELDING PROCEDURES: P1-P1-60-3 (ALL BUTT WELDS)
MIG-1 & MIG-2 (STITCH WELDS AROUND COIL)
P1-P8-60-6 (THERMOCOUPLE PAD TO COIL)
 - INSTRUMENT TAG NO'S SHOWN (6020 SERIES) FOR UNIT V-6001A.
INSTRUMENT TAG NO'S. FOR V-6001B TO BE 6040 SERIES.

JOB NO.	PROJ. NO.	EQUIP. NO.
VP 583	330018	
CLIENT	DATE	SCALE
DWG. V	0016	05

P.O. NO.: 330018 TAG NO.: V-6001A, V-6001B
CUSTOMER: CLOUGH ENGINEERING



8" HELICAL COIL

NO.	DATE	BY	REV'D	DESCRIPTION
2	11/2/93	MCS	MB	CERTIFIED FINAL
3	6/10/93	MCS	MB	REVISED NOTES, ITEM 12, ADDED CONVL FOR TC-6021
4				