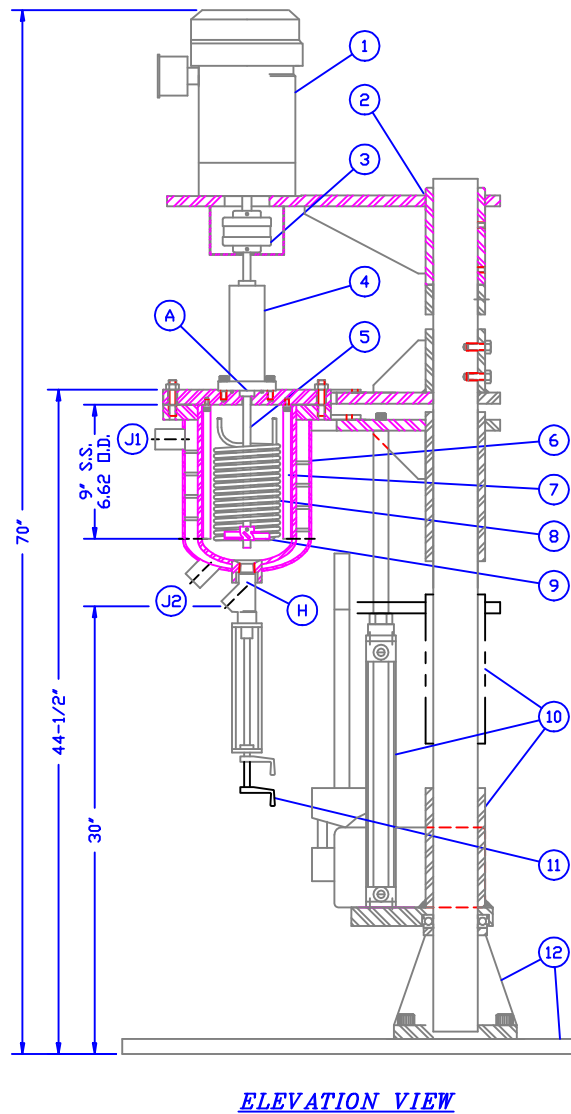
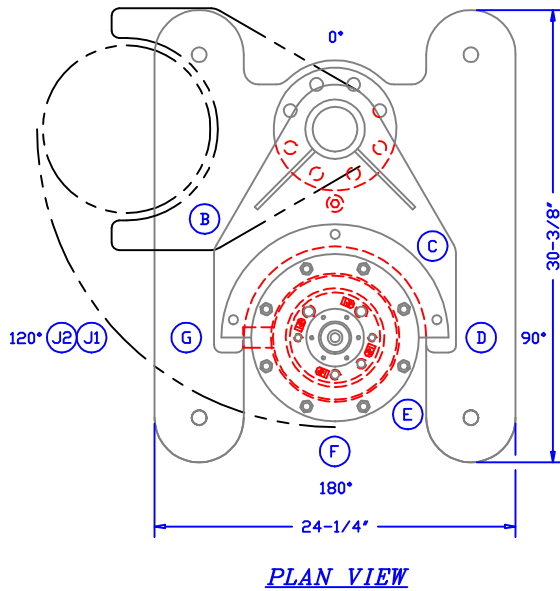


VESSEL DESIGNED TO SWING CLEAR OF IMPELLER WHEN LOWERED.



ALL DIMENSIONS ARE SUBJECT TO CHANGE DUE TO ACTUAL DESIGN CONDITIONS.

NOZZLE SCHEDULE IS FOR REPRESENTATIVE PURPOSES ONLY. NOZZLES TO BE SPECIFIED BY CUSTOMER.

BILL OF MATERIAL			
ITEM	QTY	DESCRIPTION	MATERIAL
1	1	MOTOR	STD.
2	1	DRIVE SUPPORT	C'STL.
3	1	SHAFT COUPLING	STD.
4	1	SEAL/BEARING HOUSING	316SS/C'STL.
5	1	AGITATOR SHAFT	316SS/C'STL.
6	1	JACKETED VESSEL	NOTED
7	4	REMOVABLE BAFFLES	316SS/C'STL.
8	1	COOLING COIL	316SS/C'STL.
9	1	P-4 IMPELLER	316SS/C'STL.
10	1	RAISING & LOWERING	C'STL.
11	1	RAM VALVE	316SS/C'STL.
12	1	SUPPOT STRUCTURE	C'STL.

NOZZLE SCHEDULE			
MARK	SIZE	TYPE	PURPOSE
A	.625	-	AGITATOR NOZZLE
B	1/2'	NPTF	CHARGE PORT
C	1/2'	NPTF	RUPTURE DISK
D	1/4'	NPTF	COIL PORT
E	3/8'	NPTF	THERMOWELL PORT
F	3/8'	NPTF	SPARE PORT
G	1/4'	NPTF	COIL PORT
H	3/4'	NPTF	VESSEL OUTLET
J1	3/4'	3000# CPLG.	JACKET SERVICE
J2	3/4'	3000# CPLG.	JACKET SERVICE

DESIGN DATA

VESSEL DESIGNED, BUILT, AND 'U' STAMPED IN ACCORDANCE WITH ASME SECTION VIII, DIVISION 1, LATEST ADDENDA.

1. VESSEL DESIGN CONDITIONS - 150 / 300 / 600 / 1000 PSIG AT 500°F
2. JACKET DESIGN CONDITIONS - 75 / 100 / 150 PSIG AT 500°F
3. MATERIALS OF CONSTRUCTION - 316L S.S. / C'STL. VESSEL
316L S.S. / C'STL. JACKET

4. INTERNAL FINISH - 80 GRIT <STD.> / #3 POLISH / #4 POLISH
5. CORROSION ALLOWANCE - 0" ON VESSEL AND JACKET
6. EXTERNAL FINISH - SAND BLAST / PAINT

International Reactor Corporation

521 KISER STREET PHONE# (937) 224-4444
DAYTON, OHIO 45404-1641 FAX# (937) 224-4434

TITLE : 1 GALLON JACKETED REACTOR ASSEMBLY
FOR : TURBINE IMPELLER WITH NO REDUCER

DR. DJB	CK.	SCALE NONE	DISK/FILE SD/SD001	QTY.
DATE 1/13/95	JOB #	DWG. NO. SD-001	REV. 0A	