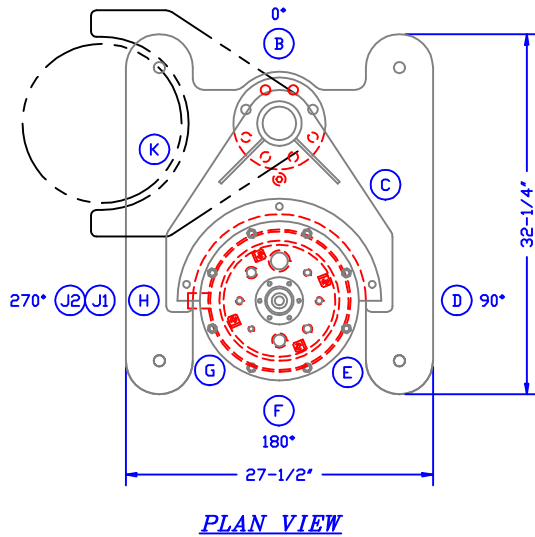
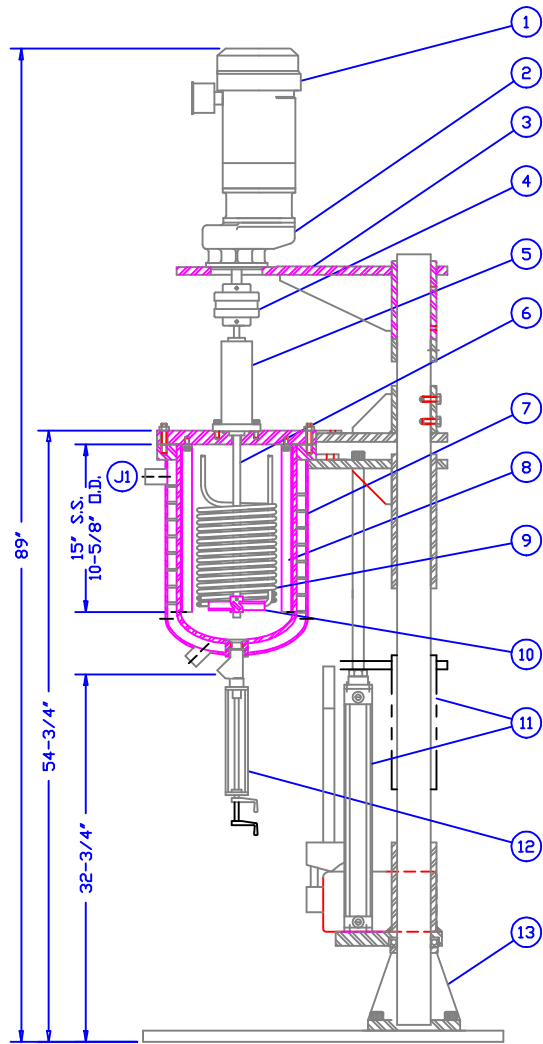


VESSEL DESIGNED TO SWING CLEAR OF IMPELLER WHEN LOWERED.



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	GEAR REDUCER	STD.
3	1	DRIVE SUPPORT	C'STL.
4	1	SHAFT COUPLING	STD.
5	1	SEAL/BEARING HOUSING	316SS/C'STL.
6	1	AGITATOR SHAFT	316SS/C'STL.
7	1	JACKETED VESSEL	NOTED
8	4	REMOVABLE BAFFLES	316SS/C'STL.
9	1	COOLING COIL	316SS/C'STL.
10	1	P-4 IMPELLER	316SS/C'STL.
11	1	RAISING & LOWERING	C'STL.
12	1	RAM VALVE	316SS/C'STL.
13	1	SUPPORT STRUCTURE	C'STL.

NOZZLE SCHEDULE			
MARK	SIZE	TYPE	PURPOSE
A	.812	-	AGITATOR NOZZLE
B	1-1/2"	NPTF	CHARGE PORT
C	3/8"	NPTF	PRESSURE GAUGE
D	3/8"	NPTF	COIL PORT
E	1/2"	NPTF	SPARE PORT
F	1"	NPTF	RUPTURE DISK
G	1/4"	NPTF	THERMOWELL PORT
H	3/8"	NPTF	COIL PORT
J1	3/4"	3000# CPLG.	JACKET SERVICE
J2	3/4"	3000# CPLG.	JACKET SERVICE
K	3/4"	NPTF	RELIEF VALVE
L	1"	NPTF	VESSEL DRAIN

**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 DAYTON, OHIO 45404-1641  
PHONE# (937) 224-4444 FAX# (937) 224-4434

TITLE : 5 GALLON JACKETED REACTOR ASSEMBLY  
FOR : TURBINE IMPELLER WITH REDUCER

DR. DJB	CK.	SCALE NONE	DISK/FILE SD/SD003	QTY.
DATE 1/14/95	JOB #	DWG. NO. SD-003	REV.	0A