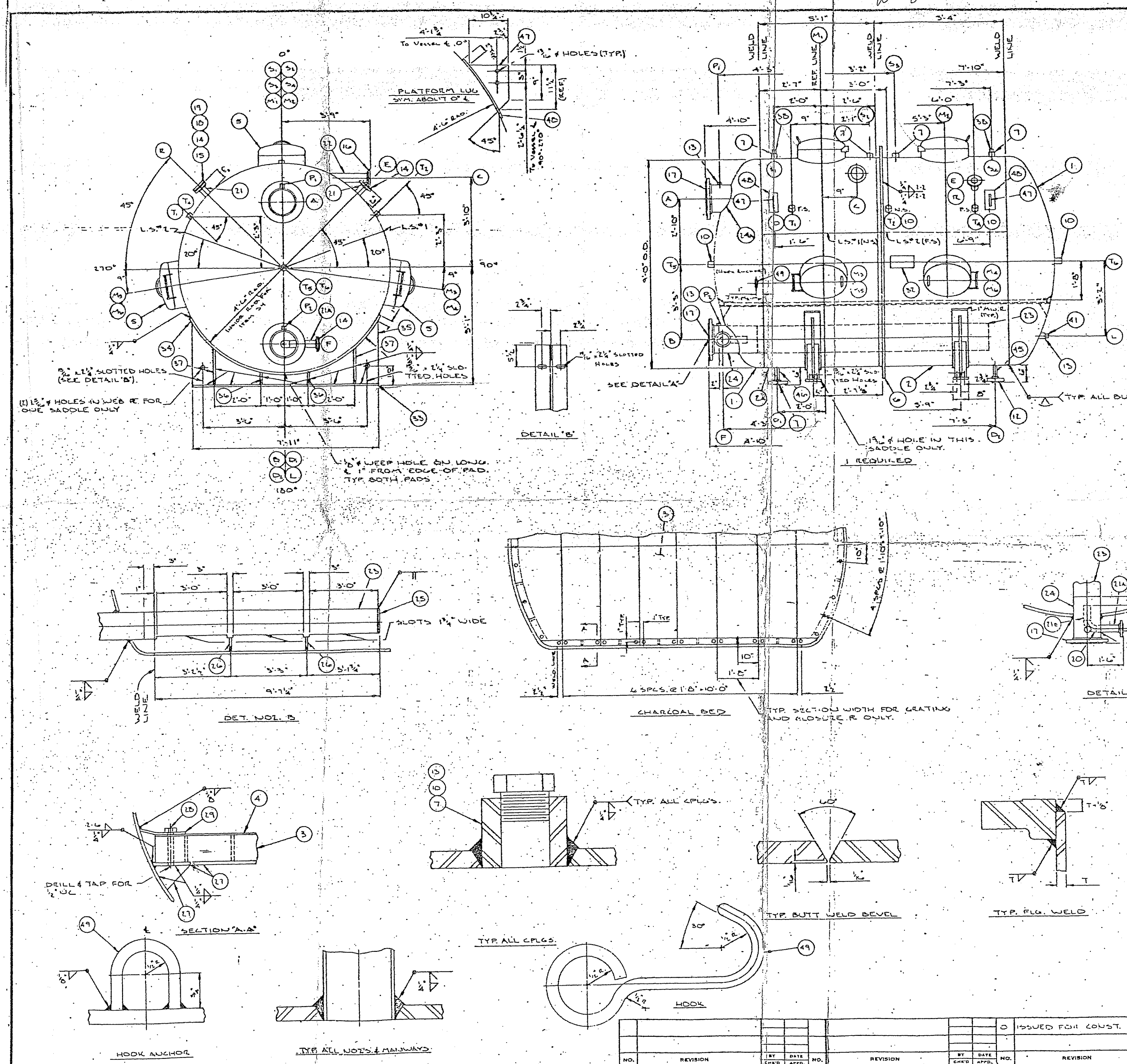
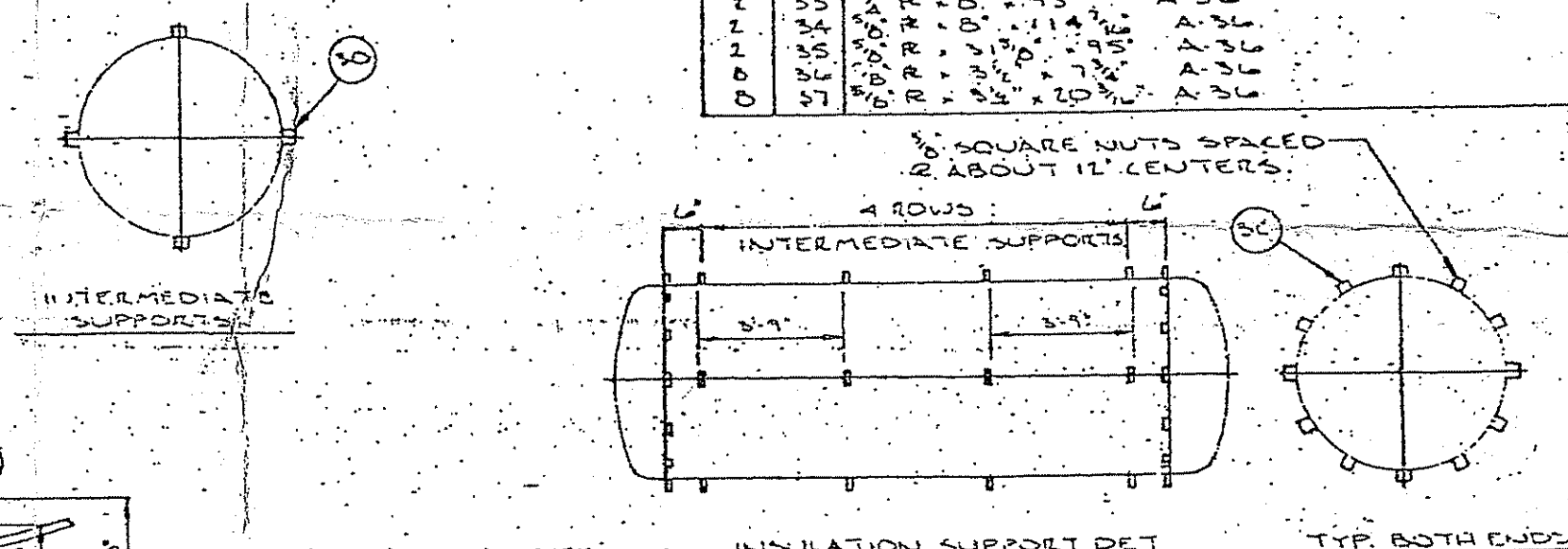


Ron Howard 1-316-321-8280

10 - 5



NOZZLE SCHEDULE					BILL OF MATERIAL	
MK.	SIZE	RATING	TYPE	SERVICE	QTY.	ITEM DESCRIPTION
A	1 1/4"	1500	Flw.	Vapor Inlet	1	105" O.D. 1 1/2" M.W. ASME F&B HEADS 101" D.R. U.G. I.C.R. 1" THK. MACH. STYLE B-3
B	1 1/4"	1500	Flw.	Air Outlet	1	A-140 TP304
C	1 1/4"	1500	Flw.	Vapor Outlet	1	105" O.D. 1 1/2" THK. 5" I.D. ROLLED CYLINDER A-140 TP304
D	1 1/2"	1500	Flw.	COMPENSATOR	1	105" O.D. 1 1/2" THK. 5" I.D. ROLLED CYLINDER TP304
E	1 1/2"	1500	Flw.	COMPENSATOR	1	TYPE LC 1 1/2" PRESS. LOCKED 2" L. GRATING
F	1 1/2"	1500	Flw.	RAISER	1	1 BEARING BAR 0.0 3/4" CUTS, CROSS BARS 0.0 1/4" CUTS, 0.0 1/4" CUTS
G	1 1/2"	1500	Flw.	STAIR	1	1 1/2" O.D. WIRE 1/0-1/2" OPEN AREA
H	1 1/2"	3000	CR. Flw.	LAGER COLUMN	1	1 1/2" WIDE COIL 304 SS
M1	2 1/4"	75-78	CUMMER	MANWAY	6	1 1/2" TUBE TURN 1" BOLT HINGED CLOSURE
M2	2 1/4"	75-78	CUMMER	MANWAY	1	1 1/2" TUBE TURN 1" BOLT HINGED CLOSURE
M3	2 1/4"	75-78	CUMMER	MANWAY	1	1 1/2" TUBE TURN 1" BOLT HINGED CLOSURE
M4	2 1/4"	75-78	CUMMER	MANWAY	1	1 1/2" TUBE TURN 1" BOLT HINGED CLOSURE
M5	2 1/4"	75-78	CUMMER	MANWAY	1	1 1/2" TUBE TURN 1" BOLT HINGED CLOSURE
M6	1 1/4"	75-78	CUMMER	MANWAY	1	1 1/2" TUBE TURN 1" BOLT HINGED CLOSURE
P1	1 1/2"	3000	CR. Flw.	PRESSURE CUM	1	1 1/2" O.D. WIRE 1/0-1/2" OPEN AREA
P2	1 1/2"	3000	CR. Flw.	PRESSURE CUM	1	1 1/2" O.D. WIRE 1/0-1/2" OPEN AREA
R	1 1/2"	1500	Flw.	DRUM TIE BAR	1	1 1/2" O.D. WIRE 1/0-1/2" OPEN AREA
T1	1 1/2"	3000	CR. Flw.	TEMP. CUM	1	1 1/2" O.D. WIRE 1/0-1/2" OPEN AREA
T2	1 1/2"	3000	CR. Flw.	TEMP. CUM	1	1 1/2" O.D. WIRE 1/0-1/2" OPEN AREA
T3	1 1/2"	3000	CR. Flw.	TEMP. CUM	1	1 1/2" O.D. WIRE 1/0-1/2" OPEN AREA
T4	1 1/2"	3000	CR. Flw.	TEMP. CUM	1	1 1/2" O.D. WIRE 1/0-1/2" OPEN AREA
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T6	1 1/2"	3000	CR. Flw.	TEMP. CUM	1	1 1/2" O.D. WIRE 1/0-1/2" OPEN AREA
T7	1 1/2"	3000	CR. Flw.	TEMP. CUM	1	1 1/2" O.D. WIRE 1/0-1/2" OPEN AREA
T8	1 1/2"	3000	CR. Flw.	TEMP. CUM	1	1 1/2" O.D. WIRE 1/0-1/2" OPEN AREA
T9	1 1/2"	3000	CR. Flw.	TEMP. CUM	1	1 1/2" O.D. WIRE 1/0-1/2" OPEN AREA
T10	1 1/2"	3000	CR. Flw.	TEMP. CUM	1	1 1/2" O.D. WIRE 1/0-1/2" OPEN AREA
T11	1 1/2"	3000	CR. Flw.	TEMP. CUM	1	1 1/2" O.D. WIRE 1/0-1/2" OPEN AREA
T12	1 1/2"	3000	CR. Flw.	TEMP. CUM	1	1 1/2" O.D. WIRE 1/0-1/2" OPEN AREA
T13	1 1/2"	3000	CR. Flw.	TEMP. CUM	1	1 1/2" O.D. WIRE 1/0-1/2" OPEN AREA
T14	1 1/2"	3000	CR. Flw.	TEMP. CUM	1	1 1/2" O.D. WIRE 1/0-1/2" OPEN AREA
T15	1 1/2"	3000	CR. Flw.	TEMP. CUM	1	1 1/2" O.D. WIRE 1/0-1/2" OPEN AREA
T16	1 1/2"	3000	CR. Flw.	TEMP. CUM	1	1 1/2" O.D. WIRE 1/0-1/2" OPEN AREA
T17	1 1/2"	3000	CR. Flw.	TEMP. CUM	1	1 1/2" O.D. WIRE 1/0-1/2" OPEN AREA
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T99	1 1/2"	3000	CR. Flw.	TEMP. CUM	1	1 1/2" O.D. WIRE 1/0-1/2" OPEN AREA
T100	1 1/2"	3000	CR. Flw.	TEMP. CUM	1	1 1/2" O.D. WIRE 1/0-1/2" OPEN AREA



APPROVED FOR LAYOUT ONLY
CATALYTIC INC
Date 11/16/73
Signed C. Smith 11/16

NOTES:

1. PAINT C.S. PARTS ONLY WITH ZINC CHROMATE PRIMER.
2. RANGE, BOLT HOLES TO STRADDLE NATURAL CENTERLINES.
3. ALL SURFACES EXPOSED TO VESSEL CONTENT SHALL BE FREE OF ALL SURFACE DEFECTS.
4. INSIDE AND OUTSIDE OF VESSEL SHALL HAVE ALL FOREIGN MATTER REMOVED.

[illegible]

BILL OF MATERIAL (CONT.)		
QTY	ITEM	DESCRIPTION
1	45	W 1/4" ID PIPE
1	46	W 1/4" ID PIPE
4	47	R 1/2" LG. ADJLTPD34
4	48	R 1/2" LG. C.S.
1	49	2 BAR. C.S.
1	50	2 BAR. PLUGS
1	51	35 HD. PLUGS
		A 12LFP304
		A 12LFP304
		V.P. 145000.0001.2.153

7466-3014A

BEHM COMPANY INC.
OSAWATOMIE, KANSAS

CUSTOMER CATALYTIC, INC.

CUSTOMER P.O. NO. 34550-0001-2 CUSTOMER JOB NO. 34550

									O	ISSUED FOR CONST.	P	ISSUED FOR APPROVAL	TITLE - CHARCOAL ADDORDERS					
									F	ISSUED FOR APPROVAL	DRAWN	CHECKED	SCALE	DATE	BENH JOBO NO.	DRAWING NO.	SHEET	

TECHNICAL SERVICES FILES

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FILE NO. 1-2-110382

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