

SHOP NOTE
O.T.L. 60 7/16" DIA. REF.

DRILL & REAM (1969) HOLES
AS PER TUBE HOLE DETAIL
SPACED AS SHOWN ON 1 1/4" TRI. PITCH
DRILL BAFFLES 1 1/32" DIA.

EVEN NO. BAFFLE CUT

PLUG (A) ROWS OF TUBE HOLES
MARKED (A) PER DETAIL 'A'
TOTAL (174) HOLES EACH T.S.

ODD NO. BAFFLE
CUT

(10) 1/2-13 TAPPED HOLES X 7/8" DR.
(DO NOT DRILL THRU) IN SHELL
SIDE OF TOP TUBE SHEET
FOR TIE RODS
DRILL BAFFLES 9/16" DIA.

1/4" TK. IMP. PL.
WELD TO TIE SPACERS

(10) 1/2" DIA. TIE RODS, T.O.E. 1/2" LG.
AND O.E. 2' LG.
(8) REQ'D 14 1/2" LG.
(2) REQ'D 13 1/2" LG.

(13) 1/4" TK. X 60 7/16" DIA.
SEQ. BAFFLES (SEE DETAILS)

3/4" O.D. X 16 B.W.G. SPACERS
(SEE SPACERS DATA)

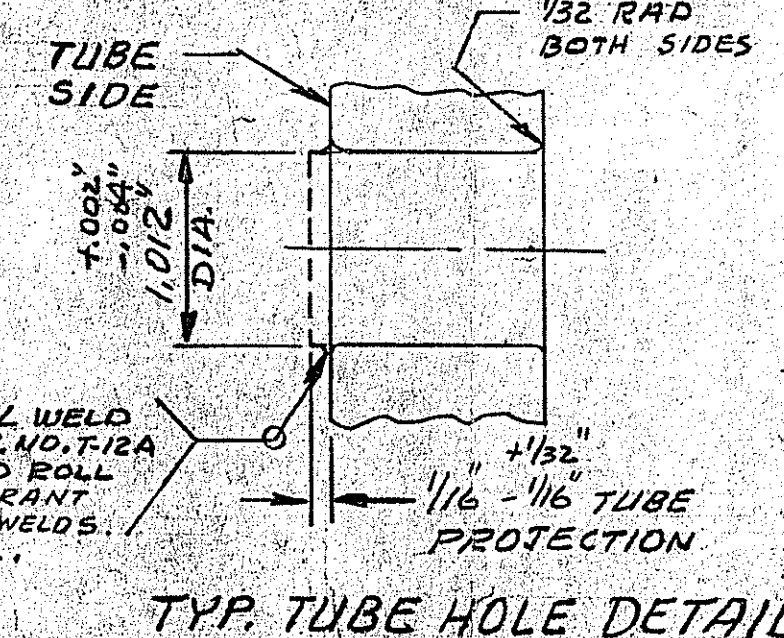
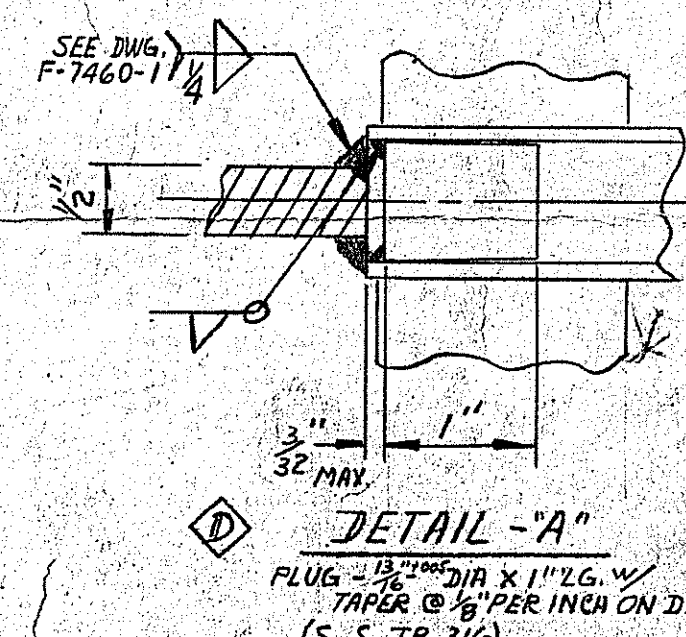
BOTTOM
T.S.

(1969) 1" O.D. X 14 B.W.G.
(AVE. WALL) TUBES X 16'-0" LG.

TOP TUBE SHEET

BOTTOM TUBE SHEET

TUBE BUNDLE ASS'Y

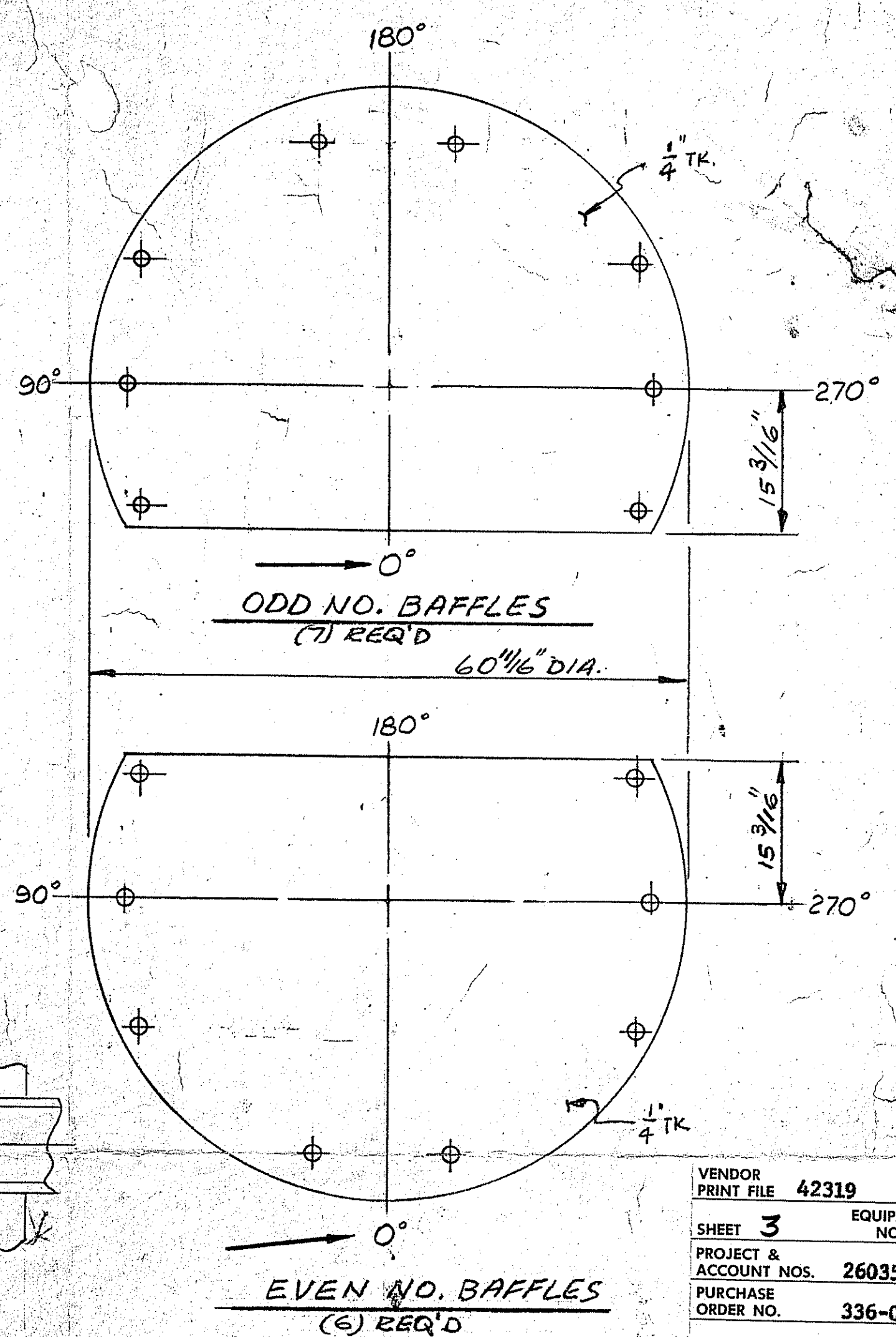


SPACERS DATA	
NO. REQ'D	LENGTH
8	1'-10 7/8"
2	2'-10 7/8"
22	1'-11 3/4"
72	0'-11 1/4"

REF. DWG.
F-6896-2 ASSEMBLY
F-7460-1 ASSEMBLY (REWORK)

REV.	DATE	BY	CHKD.	REVISION
A	7-1-72	...	...	...
B	7-1-72	...	...	...
C	7-1-72	...	...	...
D	7-1-72	...	...	...

CONTRACT
1681



VENDOR PRINT FILE	42319	DATE	5/9/74
SHEET	3	EQUIPMENT NOS.	
PROJECT & ACCOUNT NOS.	26035		
PURCHASE ORDER NO.	336-026-35043		
PLANT	HANOVER		
REVIEWED DRAFTING DESIGN			
APPROVED			
ENGINEER			

ISSUED FOR I.P.E. JOB # 7036
HERCULES P.O. NO. 026-57013
ITEM NO. E-6400-5
DATE: OCT. 10, 1972

ISSUED FOR I.P.E. JOB # 7460 (REWORK)
HERCULES P.O. NO. 336-026-87021-02-000-10
ITEM NO. E-4400-5 & E-6400-5
DATE: FEB. 18, 1974
NOTE: TWO (2) BUNDLE REWORK REQ'D

CUST. P.O. NO. 026-35043

CUST. ITEM NO. E-4400-5

104370

ONE (1) UNIT REQ'D



INDUSTRIAL PROCESS ENGINEERS
8 LISTER AVE. NEWARK, N. J.

TUBE SHEET & BUNDLE DETAILS

HERCULES INC., HANOVER PLANT, WILMINGTON, DELAWARE

ISSUED FOR I.P.E. JOBS # 7036 & 7460