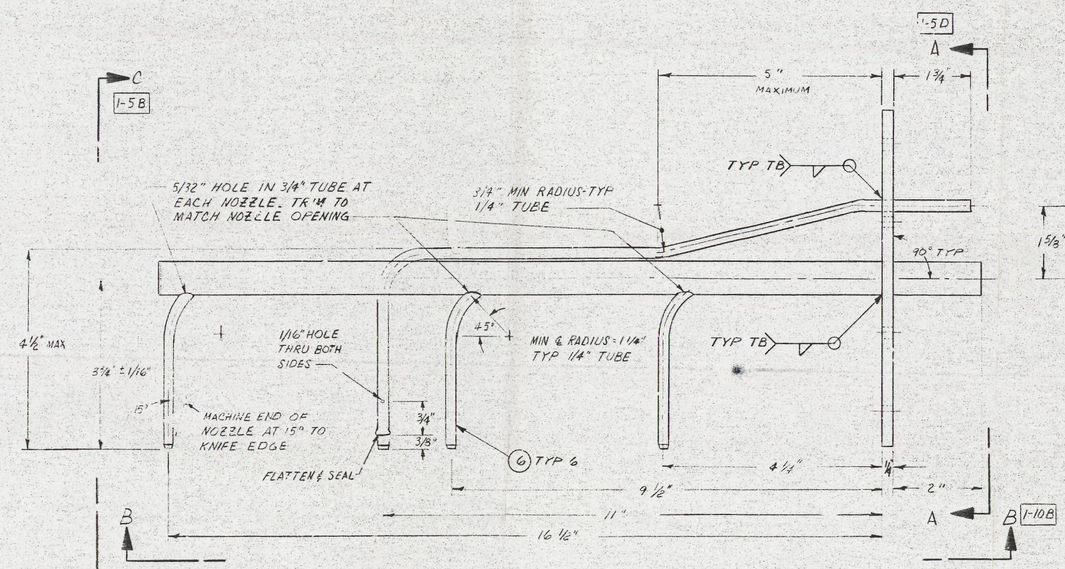
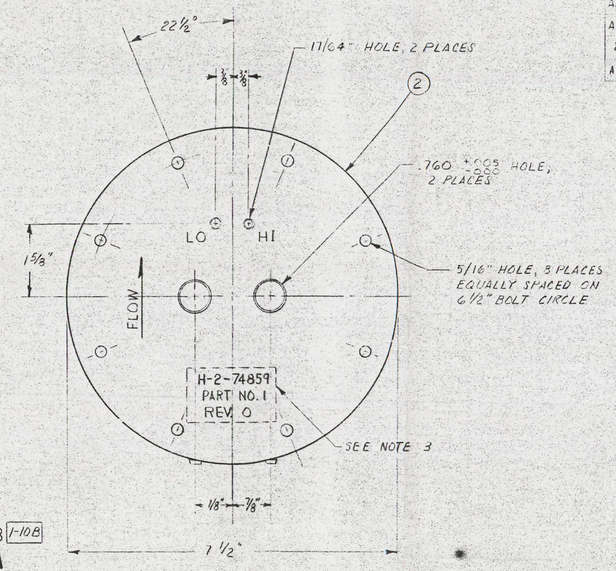
QTY	PT. NO	DESCRIPTION	MAT'L REF
/	1	ASSEMBLY	
1	2	PLATE, 1/4" THK	300 SERIES S.ST.
AR	3	TUBING, 3/4" O.D. x .035 WALL, SEAMLESS	
AR	4	TUBING, 1/4" O.D. x .035 WALL, SEAMLESS	
2	5	END CAP, 3/4" DIA. x 1/16" (MIN) THK	
AR	6	TUBING 1/4" O.D. x .020 WALL SEAMLESS	



1 ASSEMBLY

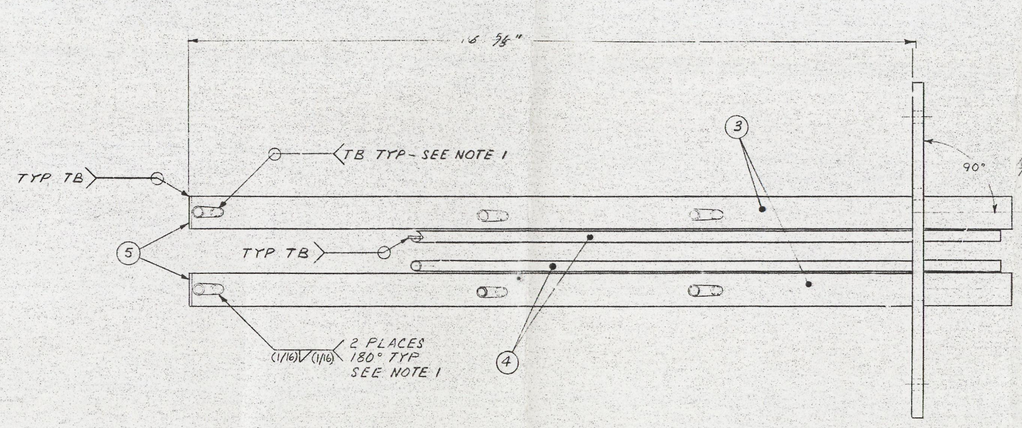
296-P-17 PROBE



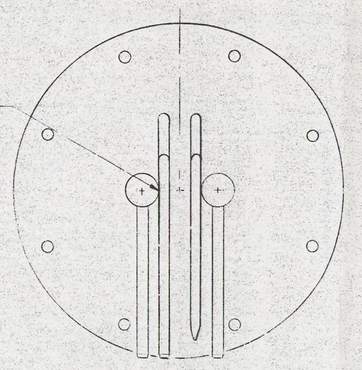
VIEW A-A 1-7G

GENERAL NOTES

1. FIT UP AND ALIGNMENT MAY BE ESTABLISHED AND MAINTAINED WITH GAS TUNGSTEN ARC WELDING PROCESS PRIOR TO FINAL TORCH BRAZING. OPTIONAL: GAS TUNGSTEN ARC WELDING PROCESS MAY BE USED IN LIEU OF FINAL TORCH BRAZING WHERE REQUIRED.
2. PROBES ARE SIZED TO PROVIDE NEAR ISOKINETIC SAMPLING AT 2.2 CFM SAMPLE EXTRACTION RATE AND 3052 FPM STACK FLOW VELOCITY.
3. IDENTIFY PART NO. 1 PER HS-BS-0015 TYPE 1, WITH DRAWING NO., PART NO., AND DWG. REV. NO. IN LOCATION INDICATED, USING 1/4" HIGH CHARACTERS.



VIEW B-B 1-7E



VIEW C-C 1-12G

WELDING AND INSPECTION REQUIREMENTS

FABRICATION	1. WELDING STANDARD	☐ ASME ■ ANSI B31.3 ☐ AWS	■ HS-BS-0013 OPTIONAL (IN HOUSE)
	2. PROCEDURE SPEC. & PERFORMANCE CERT.	■ ASME SECT. IX ☐ AWS	☐
	3. FILLER MATERIAL	■ ASME SECT II/AWS A5	■ BAg-1
INSPECTION	4. VISUAL (VT)	■ WELDING STD. IN (1) ☐ FITUP	■ SPP 2.5.0 (C) IN HOUSE ☐ ROOT PASS ■ FINAL
	5. PENETRANT (PT)	☐ WELDING STD. IN (1)	☐
	6. MAGNETIC PART. (MT)	☐ WELDING STD. IN (1)	☐
	7. ULTRASONIC (UT)	☐ WELDING STD. IN (1)	☐
	8. RADIOGRAPH (RT)	☐ WELDING STD. IN (1)	☐
	9. LEAK TEST (LT)	☐	☐
☐ OTHER REQTS.			

54-3000-589 (R-1-79)

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

TOLERANCES ON:

DECIMALS ± .1 ANGLES ± 1° FRACTIONS ± 1/64

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BL-6400-096 (R-6-82)

REVIEW NUMBER 1 2 3 4

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CHAIRMAN J. Cammisa DATE 3-1-84

BL-6400-097 (R-6-82)

Rockwell Hanford Operations

RELEASE ENGINEERING ORDER REO-9875

RELEASE DATE 2-2-84 REV. 0000

☐ INFORMATION
☐ AUTHORIZED
☐ CONTROLLED
☐ CONSTRUCTION WORK ORDER
☐ ATTACHMENTS NOT REQUESTED

THIS DOCUMENT IS NOT COMPLETE WITHOUT THE FOLLOWING ATTACHMENTS:

RO 6400 134 (R-10-83)

QUALITY ASSURANCE LEVEL I

DRAWING APPROVALS	DATE
ISSUED FOR QUALITY ASSURANCE	2/1/84
APPD.	2/1/84
APPD.	2/1/84
APPD.	2/1/84
APPD.	2/1/84
RESPONSIBLE ENGINEER R.L. STANTON	
DRAFTING APPD.	2/1/84
CHECKED	2/1/84
DRAWN	1/11/83
CLASSIFICATION NONE	BY NOT REQD

U. S. Department of Energy
Richland Operations Office

Rockwell Hanford Operations
Richland, Washington 99352

PROBE ASSEMBLY
296-P-17 STACK
SAMPLER/MONITOR

SCALE	BLDG NO.	INDEX NO.
3/4" = 1"	241-A	4600

DRAWING NO. H-2-74859 SHEET NO. 1 SHEETS 1

H-2-74358	296-P-17 STACK MON. INSTL.
HS-BS-0013	WELDING SPECIFICATIONS
HS-BS-0015	ITEM IDENTIFICATION METHOD

DWG NO.	DRAWING TITLE
REFERENCE DRAWINGS	
NEXT USED ON H-2-74358 SH. 1	

REV. NO.	DESCRIPTION	CHKD BY DATE	RSV BY DATE	DRAFTING	RESPONSIBLE ENGINEER	QUALITY ASSURANCE
0	REVISIONS					

COMMENT PRT ISSUE NO. / 11/19/83 DATE CHECK PRT. ISSUE NO. DATE

DRAWING STATUS DL-E#23

0031229

SEP 1993 RECEIVED EDMC

INFORMATION RELEASE REQUEST

0031229

References: WHC-CM-3-4

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- ☒ Other WDOH Tank Farm Audit

New ID Number

Existing ID Number (include revision, volume, etc.) H2-74859 Rev 0

If previously cleared, list ID number.

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Title: Probe assembly 296P17 stack sampler monitor sheet 1 of 1

Unclassified Category UC-

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Group or Society Sponsoring

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Will material be handed out? ☐ Yes ☐ No

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Review Required per WHC-CM-3-4	Yes	No	Reviewer Name (printed)	Signature	Date
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Information conforms to all applicable requirements. The above information is certified to be correct.

Author/Requestor (Printed/Signature): Cindy M Stout — C.M. STOUT — Date: 5/13/92

Responsible Manager (Printed/Signature): [signature] — B. G. ERLANDSON — Date: 5/13/92

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APPROVED FOR RELEASE — OFFICIAL DOCUMENT — NS — 5/21/92

Date Received 5/19/92 MG

BD-7600-062 (04/90)

HA-74859 Rev 0

ID Number

REQUESTOR:

~~Lead Author~~ C. M. STOUT	Phone 6-8076	MSIN B2-19	Other Author(s) or Requestor
Project or Program	Lead Org Code 81140		Sponsor Agency (DOE, DOT, NRC, USGS, etc.)
Editor N/A	Phone	MSIN	DOE/HQ Program (DP, EH, EM, NE, etc.)

Mandatory Comments*	Reviewer Name & Signature	Date	Resolution	Date

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H2-74859 Rev C

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