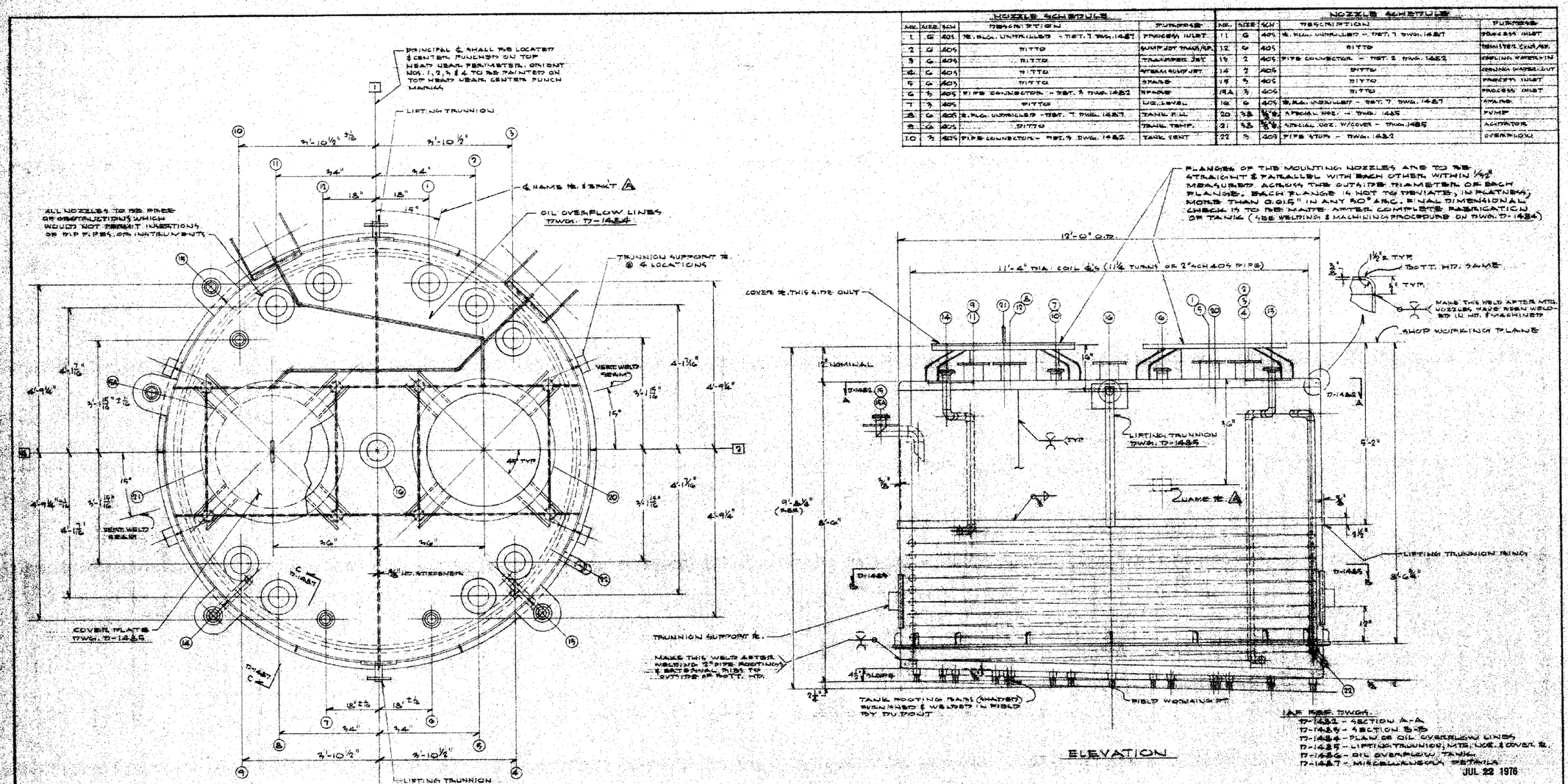
NOZZLE SCHEDULE				
NO.	SIZE	SCH	DESCRIPTION	PURPOSE
1	6	40S	RF. BLGL. UNWELDED - DET. 7 DWG. 1487	PROCESS INLET
2	6	40S	BITTO	SUMP JET TRANS/SP.
3	6	40S	BITTO	TRANSFER JET
4	6	40S	BITTO	STEAM SUPPLIET
5	6	40S	BITTO	SPARE
6	3	40S	PIPE CONNECTOR - DET. 2 DWG. 1482	SPARE
7	3	40S	BITTO	LIQ. LEVEL
8	6	40S	RF. BLGL. UNWELDED - DET. 7 DWG. 1487	TANK FILL
9	6	40S	BITTO	TANK TEMP.
10	3	40S	PIPE CONNECTOR - DET. 3 DWG. 1482	TANK VENT

NOZZLE SCHEDULE				
NO.	SIZE	SCH	DESCRIPTION	PURPOSE
11	6	40S	RF. BLGL. UNWELDED - DET. 7 DWG. 1487	PROCESS INLET
12	6	40S	BITTO	TRANSFER JET/SP.
13	2	40S	PIPE CONNECTOR - DET. 2 DWG. 1482	COOLING WATER IN
14	2	40S	BITTO	COOLING WATER OUT
15	3	40S	BITTO	PROCESS INLET
15A	3	40S	BITTO	PROCESS INLET
16	6	40S	RF. BLGL. UNWELDED - DET. 7 DWG. 1487	SPARE
20	3/8	3/8"	SPECIAL NOZ. - DWG. 1485	PUMP
21	3/8	3/8"	SPECIAL NOZ. W/COVER - DWG. 1485	AGITATOR
22	3	40S	PIPE STOP - DWG. 1482	OVERFLOW



IAF REF. DWGS.
D-1482 - SECTION A-A
D-1483 - SECTION B-B
D-1484 - PLAN OF OIL OVERFLOW LINES
D-1485 - LIFTING TRUNNION, MTG. NOZ. & COVER PL.
D-1486 - OIL OVERFLOW TANK
D-1487 - MISCELLANEOUS DETAILS

JUL 22 1976

BPr 212512

DESIGN DATA

1. DESIGN PRESSURE & TEMP.:
   (VESSEL) = ATM. & 10 INCHES OF WATER VACUUM AT 257°F
   (COIL) = 105 PSIG AT 375°F
2. CORROSION ALLOWANCE (VESSEL AND COIL) = NONE

NOTES

1. MATERIAL:
   MTG., GAS & ALL PL. - SA 240 TP 304 L HR. AT P.L.; BOTT & ANGLE - SA 479 TP 304 L
   PIPE & WELD FITTINGS - SA 312 TP 304 L
   WELD ROD - E 308 L
   ALL THE ABOVE MAT'L TO BE CORROSION EVALUATED PER DU PONT SPEC. 4495 & SW 300 M
2. ALL WELDING IS TO BE DONE BY HELI-ARC & SHIELDED METAL ARC WELDING.
3. TESTING:
   (VES) PUT 5 FT. HIGH STANDPIPE ON TOP OF 38" NOZZLE FLG. IN ORDER TO OBTAIN APPROX. 2 PSIG. HOLD FOR (4) HOURS. THE ENTIRE BOTTOM IS SUPPORTED ON ALL PIPE FOOTINGS DURING TEST.
   (COIL) 225 PSIG HYDRO.
   (") FREON TEST @ 15 PSIG PER DUPONT SPEC. 4047
4. ALL NOZZLE OPENINGS & ENTRY OF TUBES MUST BE SEALED TO PREVENT ENTRY OF DIRT OR OTHER FOREIGN MATTER.
5. CAPACITY = 7200 GALS.
6. WEIGHTS - EMPTY = 16,225 LBS.
   FULL OF WATER = 76,201 LBS.
7. TWO (2) VESSELS REQ'D
8. VESSEL TO BE DESIGNED & CONSTRUCTED IN ACCORDANCE WITH THE 1974 ASME CODE SECTION VIII, DIV. 1 BUT NOT TO BE STAMPED. ALSO IN ACCORDANCE WITH DU PONT SPEC. 4G-25

(FOR CONTINUATION OF NOTES SEE DWG. D-1484)

MAWP = ATM. AND 10" WCV
AT 257°F
CORR. ALLOW. AT 375°F
(NAT. BD. NO.)
1976
INDUSTRIAL ALLOY FABRICATORS, INC.
RICHMOND, VIRGINIA
SERIAL NO. 23175-1 52
10-4-1
10-4-11

NAME PL. DETAIL - MAT'L - 304 L
MOUNT ON STANDARD 1/2" FROM VESSEL - MAT'L - 304 L (CORR. EVAL.)

REFERENCE
DUPONT P.O. NO. AXC-762-W
PROJ. NO. 951449
DWG. NO. 142095 REV. 7
SN NO. 10-4-1
EN NO. 10-4-11

DUPLICATE SHEET # 1

ENGINEERING DOC. CONTROL - SPS
0012512B

INDUSTRIAL ALLOY FABRICATORS, INC.
RICHMOND, VIRGINIA 23223

PUMP TANK
FOR: E.I. DU PONT DE NEMOURS & CO., INC.
PLANT: SAVANNAH RIVER

MARK	REVISION DESCRIPTION	BY	DATE
A-5	CORRECTED TOLERANCE ON NAME PL. DETAIL, ADD TRUN.		

JOB 23175-132 BY
SCALE 3/4" = 1'-0" DATE 12 MAR 76

D-1481 A

BPF 212512-1