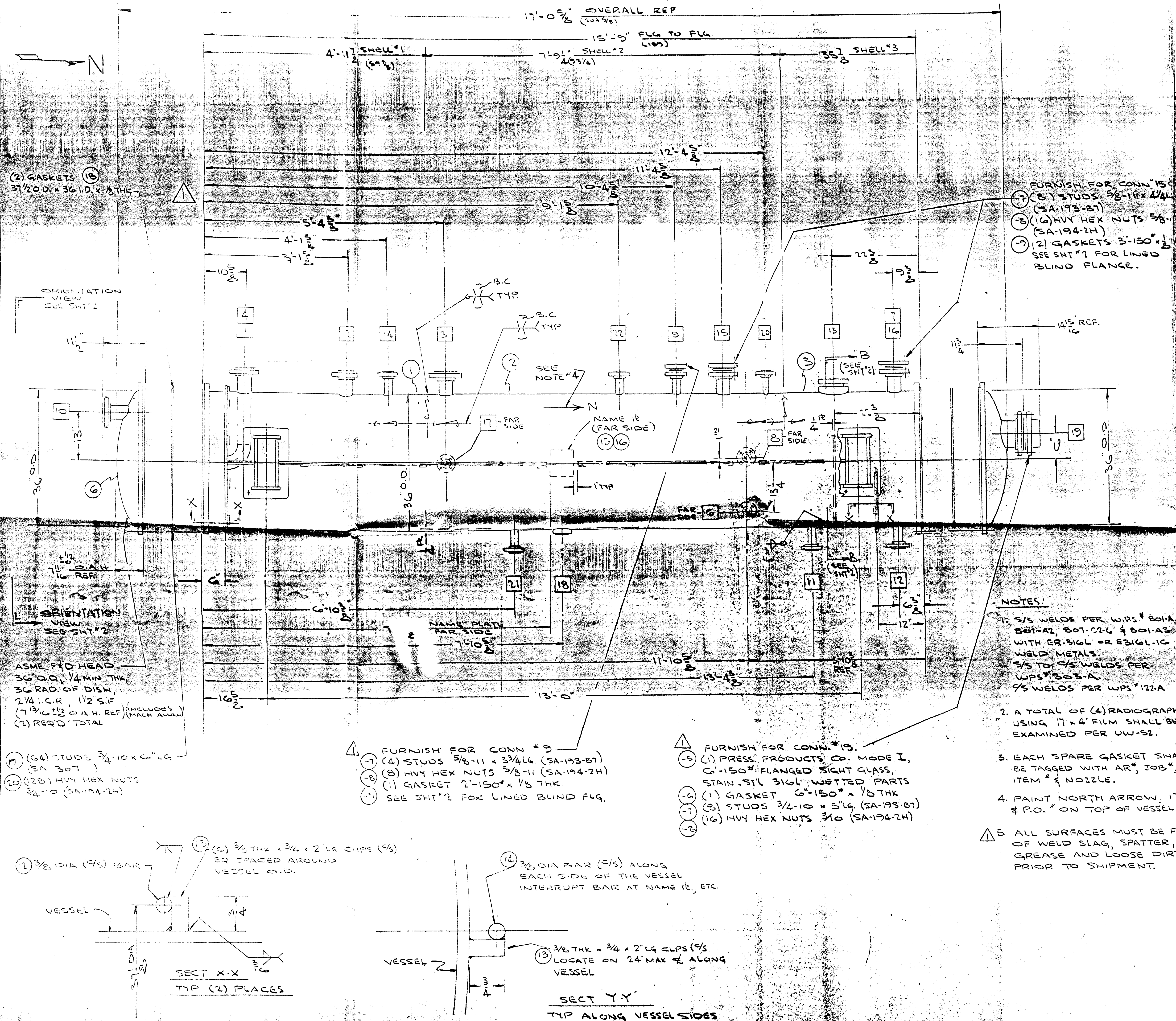




| MARK | SIZE & RATING             | SERVICE                         |
|------|---------------------------|---------------------------------|
| 1    | 3 SCH 40S 150" L.J. FLG   | INLET                           |
| 2    | 3                         | VENT                            |
| 3    | 3                         | RELIEF VALVE                    |
| 4    | 1/2 SCH 80S 150" L.J. FLG | INLET                           |
| 6    | 1 SCH 80S 150" L.J. F.    | INTERFACE L.G.                  |
| 7    | 2 SCH 80S 150" L.J. FLG   | ORGANIC PHASE LA INTERFACE L.G. |
| 8    | 1-150" PAD                | SPARE W/BLIND FLG               |
| 9    | 2 SCH 80S 150" L.J. FLG   | OVERFLOW                        |
| 10   | 3 SCH 40S 150" L.J. FLG   | AQUEOUS OUTLET                  |
| 11   | 1/2 SCH 80S 150" L.J. FLG | ORGANIC OUTLET                  |
| 12   | 2"                        | LIGHT GLASS                     |
| 13   | 4" PAD                    | SIPHON BREAKER                  |
| 14   | 1/2 SCH 80S 150" L.J. FLG | SPARE W/BLIND FLG               |
| 15   | 3 SCH 40S 150" L.J. FLG   | WATER INLET                     |
| 16   | 3"                        |                                 |
| 17   | 1-150" PAD                | THERMOMETER                     |
| 18   | 1"                        | TEMP. IND.                      |
| 19   | 6" SCH 40S 150" L.J. FLG  | SIGHT GLASS                     |
| 20   | 1/2 SCH 80S 150" L.J. FLG | SIPHON BREAKER                  |
| 21   | 1/2                       | AQUEOUS OUTLET                  |
| 22   | 1/2                       | WATER INLET                     |

| CONTENTS:           |                    |            |
|---------------------|--------------------|------------|
| DATA                | SHELL              |            |
| SERVICE             | NON LETHAL         | NON LETHAL |
| DESIGN PRESS. (INT) | 15 P.S.I.G.        | P.S.I.G.   |
| DESIGN TEMP.        | 400 °F             |            |
| SP GR               | 1.0                |            |
| HYDRO TEST          | 7.5 P.S.I.G.       | P.S.I.G.   |
| CORROSION ALLOW.    | 1/16               |            |
| RADIOGRAPH          | SPOT (SEE NOTE #2) |            |
| JOINT EFF. HEAD     | 85%                |            |
| JOINT EFF. HEAD     | 100%*              |            |
| HEAT TREATMENT      | NONE               |            |

| MATERIALS        |                                |
|------------------|--------------------------------|
| SHELL            | SA-240TP316L                   |
| HEAD             | SA-240TP316L                   |
| NOZZLE NECK PIPE | SA-240TP316L (WELD U)          |
| FLANGE           | SA-105                         |
| BLIND            | SA-105 WITH SA-240TP316L LINER |
| STUDDING OUTLET  | SA-240TP316L & SA-419 TP316L   |
| FITTINGS (WELD)  | SA-403 WP316L                  |
| REINFORCING PAD  |                                |
| STIFFENER        | PLATE SA-285-C                 |
| SUPPORT          | PAO SA-240TP316L               |
| INTERNAL NUT     |                                |
| EXTERNAL NUT     | SA-194-2H                      |
| COUPLING & PLUGS |                                |
| GASKET           | COLLINS #1720                  |
| TUBES            |                                |
| TUBE SHEET       |                                |
| BAFFLES          |                                |
| SPACERS          |                                |
| PASS PARTITION   |                                |
| MAIN BODY FLG    | SA-515-70                      |

| STANDARDS   |                         |
|-------------|-------------------------|
| TOLERANCES: | PIERSOL PINE STD        |
|             | ROHM & HAAS STD #55-521 |

| FINISH                                                           |                        |
|------------------------------------------------------------------|------------------------|
| WELDS AS FABRICATED                                              | INTERNAL               |
| WELDS GROUND SMOOTH AND NOT NECESSARILY FLUSH                    | EXTERNAL               |
| POLISH                                                           |                        |
| CLEAN ALLOY MATERIAL WITH                                        | ARCAL STEEL BRUTE      |
| CARBON STEEL SURFACES TO BE PER SPEC. & PER CODE                 | BLAST MECHANICAL CLEAN |
| PAINT: NO PAINT REQ'D CARBON STEEL SURFACES PER NOTE WITH 1 COAT |                        |

REF ROHM & HAAS CO.  
 80" PIS-11072  
 DWG # 410-04-20550-1 REV A  
 ITEM # 410-04-20550  
 PLANT: BAYPORT, TEXAS  
 AR # 80-701  
 JOB #

**NOTES:**

- 5/8 WELDS PER W.P.S. # 801-A, 801-A2, 801-A2.6 & 801-A3 WITH ER-316L OR ER-316L-1C WELD METALS. 5/8 TO 1/2 WELDS PER W.P.S. # 803-A. 1/2 WELDS PER W.P.S. # 122-A.
- A TOTAL OF (4) RADIOGRAPHS USING 17 x 4" FILM SHALL BE EXAMINED PER UW-52.
- EACH SPARE GASKET SHALL BE TAGGED WITH AR, JOB, ITEM & NOZZLE.
- PAINT NORTH ARROW, IT, & P.O. # ON TOP OF VESSEL.
- ALL SURFACES MUST BE FREE OF WELD SLAG, SPATTER, GREASE AND LOOSE DIRT PRIOR TO SHIPMENT.

**SPECS.**

|        |        |
|--------|--------|
| 55-001 | 10-001 |
| 55-003 | 40-780 |
| 55-521 | 42-420 |
| 55-538 | 99-034 |
|        | 99-104 |
| 55-514 |        |
| 55-021 |        |
| 55-070 |        |
| 55-523 |        |

**CERTIFIED CORRECT**  
 PIERSON PINE MFG. CO. INC.  
 MAY 11 1991

**REVISIONS**

| NO. | DESCRIPTION                                                                   | BY  | APP'D     |
|-----|-------------------------------------------------------------------------------|-----|-----------|
| 1   | CHANGED COUN. LG FROM A1 TO A11 PLANGED COUN. LG. REVISIONS PER APPROVAL DWG. | RMD | MAY 11/91 |

**PIERSOL PINE MFG. CO., INC.**  
 Engineers & Alloy Fabricators  
 FIVE BROWER AVE. P O BOX 5 OAKS, PENNA. 19458  
 PHONES 215-666-0800, 489-2055  
 FOR: ROHM & HAAS CO.  
 DRYING COLUMN DECANter  
 325 GAL. (WORKING VOL.)  
 880 GAL. (FLOODED VOL.)  
 DATE: 2-17-81  
 SCALE: 1/8" = 1'-0"  
 DWG. NO. 10812-A  
 REV. 2  
 SHT. 1 OF 3