

| $\begin{gathered} \text { BEAM } \\ \text { TUBE } \\ \text { ASSEMBLY } \end{gathered}$ | TUBE LENGTH <br> (W/O EXP. JT.) <br> (FT.) | TUBE LENGTH <br> (W/O EXP. JT.) | \# OF WRAPS |  | SEAM ORIENTATION (DEGREES) |  |  |  | $\begin{aligned} & \text { PUMP } \\ & \text { PORT } \end{aligned}$ | $\begin{aligned} & \text { EXPANSION } \\ & \text { JOINT } \\ & \text { AT START } \end{aligned}$ | EXPANSION JOINT SEAM ORIENTATION (DEG.) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 24" COIL |  | $36 "$ COIL |  |  |  |  |
|  |  |  | 24" COIL | 36" COIL | START | END | START | END |  |  |  |
| A | 62.9167 | 755.000 | 31.07 | 20.39 | 90 | 115 | 90 | 230 |  | Y | 250 |
| B | 65.0000 | 780.000 | 32.10 | 21.07 | 0 | 36 | 0 | 25 |  |  |  |
| C | 65.0000 | 780.000 | 32.10 | 21.07 | 135 | 171 | 90 | 115 | $Y$ |  |  |
| D | 65.0000 | 780.000 | 32.10 | 21.07 | 315 | 351 | 270 | 295 | $Y$ |  |  |
| E | 49.6328 | 595.594 | 24.51 | 16.09 | 135 | 319 | 135 | 167 | Y | $Y$ | 270 |
| F | 47.0078 | 564.094 | 23.22 | 15.23 | 0 | 79 | 0 | 83 |  |  |  |
| G | 44.9271 | 539.125 | 22.19 | 14.56 | 180 | 248 | 180 | 22 |  | Y | 135 |
| H | 49.6328 | 595.594 | 24.51 | 16.09 | 45 | 229 | 180 | 212 | $Y$ |  |  |
| 1 | 49.6328 | 595.594 | 24.51 | 16.09 | 225 | 49 | 0 | 32 | $Y$ |  |  |
| $J$ | 49.6328 | 595.594 | 24.51 | 16.09 | 315 | 139 | 315 | 347 | Y | Y | 270 |
| K | 56.9583 | 683.500 | 28.13 | 18.46 | 270 | 317 | 0 | 166 | $Y$ | Y | 90 |
| L | 54.3333 | 652.000 | 26.83 | 17.61 | 0 | 299 | 0 | 220 |  |  |  |
| M | 52.2552 | 627.062 | 25.81 | 16.94 | 180 | 112 | 0 | 338 |  | Y | 225 |
| N | 56.9583 | 683.500 | 28.13 | 18.46 | 45 | 92 | 180 | 346 | Y |  |  |
| 0 | 56.9583 | 683.500 | 28.13 | 18.46 | 225 | 272 | 0 | 166 | $Y$ | Y | 90 |
| P | 56.9583 | 683.500 | 28.13 | 18.46 | 225 | 272 | 0 | 166 | $Y$ |  |  |
| 0 | 56.9583 | 683.500 | 28.13 | 18.46 | 45 | 92 | 180 | 346 | $Y$ | $Y$ | 90 |
| R | 56.9583 | 683.500 | 28.13 | 18.46 | 90 | 137 | 180 | 346 | Y | Y | 0 |
| 5 | 65.0000 | 780.000 | 32.10 | 21.07 | 0 | 36 | 180 | 205 |  |  |  |
| NOTE: ORIENT SEAMS WITHIN $\pm 15^{\circ}$ OF STATED VALUES. |  |  |  |  |  |  |  |  |  |  |  |
| $D=48.998 \mathrm{IN}$. CDIAMETE <br> $C=153.932 \mathrm{IN} . \quad$ CIRCUM <br> L_ $24=24.297 \mathrm{IN}$ 。 (PIT <br> L_ $36=37.027 \mathrm{IN}$ 。 (PIT |  | ER TO PLATE CEN MFERENCE AT PLATE TCH AT D WITH 24 TCH AT D WITH 36 | TERLINE) <br> TE CENTERLI <br> 4." WIDE COIL <br> " WIDE COIL | INE) <br> IL) <br> [L) |  |  |  |  |  | IION OF CO TO THE PAG | anstruction E |



