# APPENDIX C

## TASK 3 WELD DATA – STATIC AIR

| BEAD ON PLATE | | | | | | | | | | | | | | | Weld Data | | | | | | | | | | Back Surface Data | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | | Cooling Rate | | | | | | | | | Cooling Rate | | |
| Weld | Thickness | Process | Dia | Electrode | Position | Gas | WFS | Amps | Volts | TRIM | Arc Control | ESO | TS | HI | Max. T | Time to Max T | Time to 1000C | Time to 800C | Time to 500C | Time to 100C | ΔT 800-500C | ΔT 1000-100 C | ΔT Peak- 100C | Slope at 540C | Max. T | Time to Max T | Time to 800C | Time to 500C | Time to 100C | ΔT 8/5 | ΔT Peak- 100C | Slope at 540C |
| | | | | | | | | | | | | | ipm | kJ/mm | deg C | Sec | Sec | Sec | Sec | Sec | Sec | Sec | Sec | degC/sec | deg C | Sec | Sec | Sec | Sec | Sec | Sec | degC/sec |
| A1 | 3.2 | SMAW | 2.4 | 718MC | FLAT | NA | NA | 90 | 21 | NA | 10 | NA | 13.00 | 0.35 | 1254.1 | 26.33 | 28.95 | 30.83 | 36.89 | 135.33 | 6.06 | 106.38 | 109 | -38.0 | 938.5 | 24.56 | 26.79 | 33.71 | 134.36 | 6.92 | 109.8 | -58 |
| A2 | 3.2 | SMAW | 2.4 | 718MC | FLAT | NA | NA | 90 | 21 | NA | 10 | NA | 8.50 | 0.53 | 1258.1 | 41.21 | 45.71 | 48.71 | 57.91 | 217.27 | 9.2 | 171.56 | 176.06 | -20.0 | 1227.1 | 40.9 | 46.4 | 55.22 | 210.84 | 8.82 | 169.94 | -22.5 |
| A3 | 3.2 | SMAW | 2.4 | 718MC | FLAT | NA | NA | 90 | 21 | NA | 10 | NA | 6.03 | 0.74 | 1255.3 | 34.27 | 41.22 | 46.67 | 61.26 | 258.48 | 14.59 | 217.26 | 224.21 | -18.0 | 1255.3 | 34.27 | 42.61 | 55.91 | 250.03 | 13.3 | 215.76 | -9.5 |
| A4 | 6.4 | SMAW | 2.4 | 718MC | FLAT | NA | NA | 90 | 21 | NA | 10 | NA | 12.50 | 0.35 | 1259.9 | 51.76 | 52.61 | 53.01 | 55.57 | 154.04 | 2.56 | 101.43 | 102.28 | -59.5 | 486.6 | 52.88 | 0 | 0 | 147.79 | 0 | 94.91 | 0 |
| A5 | 6.4 | SMAW | 2.4 | 718MC | FLAT | NA | NA | 90 | 21 | NA | 10 | NA | 8.50 | 0.53 | 1259.2 | 47.74 | 48.66 | 50.26 | 56.82 | 198.71 | 6.56 | 150.05 | 150.97 | -29.5 | 587.1 | 49.54 | 0 | 53.97 | 191.69 | 0 | 142.15 | -61 |
| A6 | 6.4 | SMAW | 2.4 | 718MC | FLAT | NA | NA | 90 | 21 | NA | 10 | NA | 6.03 | 0.74 | 1259.5 | 52.56 | 53.36 | 56.56 | 68.86 | 249.28 | 12.3 | 195.92 | 196.72 | -22.5 | 655.7 | 54.57 | 0 | 64.83 | 241.93 | 64.83 | 187.36 | -14.5 |
| A7 | 6.4 | SMAW | 2.4 | 718MC | FLAT | NA | NA | 90 | 21 | NA | 10 | NA | 3.46 | 1.29 | 1237.3 | 67.95 | 74 | 81.69 | 104.05 | 279.22 | 22.36 | 205.22 | 211.27 | -19.5 | 908 | 67.94 | 75.33 | 101.15 | 275.06 | 25.82 | 207.12 | -12 |
| A8 | 6.4 | SMAW | 3.2 | 718MC | FLAT | NA | NA | 120 | 20.5 | NA | 10 | NA | 10.96 | 0.53 | 1256.5 | 22.71 | 24 | 25.48 | 32.05 | 163.05 | 6.57 | 139.05 | 140.34 | -17.5 | 579.6 | 23.95 | 23.94 | 28.2 | 157.41 | 4.26 | 133.46 | -23 |
| A9 | 6.4 | SMAW | 3.2 | 718MC | FLAT | NA | NA | 120 | 20.5 | NA | 10 | NA | 4.50 | 1.29 | 1253.1 | 38.75 | 43.85 | 50.28 | 75.82 | 308.41 | 25.54 | 264.56 | 269.66 | -12.0 | 898.1 | 39.67 | 44.47 | 68.98 | 302.56 | 24.51 | 262.89 | -5.5 |
| A10 | 8 | SMAW | 3.2 | 718MC | FLAT | NA | NA | 120 | 20.5 | NA | 10 | NA | 10.96 | 0.53 | 1256.7 | 29.85 | 30.6 | 31.01 | 36.03 | 154.06 | 5.02 | 123.46 | 124.21 | -52.5 | 446.7 | 33.15 | 0 | 0 | 147.96 | 0 | 114.81 | 0 |
| A11 | 8 | SMAW | 3.2 | 718MC | FLAT | NA | NA | 120 | 20.5 | NA | 10 | NA | 4.50 | 1.29 | 1113.6 | 47.64 | 50.5 | 52.47 | 75.76 | 291.02 | 23.29 | 240.52 | 243.38 | -14.5 | 671.5 | 51.61 | 0 | 68.51 | 284.42 | 0 | 232.81 | -14.5 |
| A12 | 6.4 | P-GMAW | 0.9 | K-NOVA | FLAT | C10 | 200 | 100 | 20.5 | 51 | 45 | 13 | 14.00 | 0.35 | 1258 | 23.19 | 23.93 | 24.53 | 29.16 | 136.96 | 4.63 | 113.03 | 113.77 | -46.0 | 568.6 | 25.06 | 0 | 27.85 | 130.56 | 0 | 105.5 | -69.5 |
| A14 | 11 | SMAW | 3.2 | AtomArc 10018-M1 | FLAT | NA | NA | 120 | 20 | NA | 10 | NA | 10.50 | 0.53 | 1177 | 26.6 | 27.05 | 28 | 31.34 | 133.26 | 3.34 | 106.21 | 106.66 | -63.0 | 315 | 31.24 | 0 | 0 | 125.33 | 0 | 94.09 | 0 |
| A15 | 11 | SMAW | 3.2 | AtomArc 10018-M1 | FLAT | NA | NA | 120 | 20 | NA | 10 | NA | 4..5 | 1.29 | 1254.3 | 1.04 | 57.98 | 60.76 | 71.64 | 274.55 | 10.88 | 216.57 | 273.51 | -6.0 | 486.1 | 56.63 | 0 | 0 | 284.06 | 0 | 227.43 | 0 |
| A16 | 16.1 | SMAW | 3.2 | AtomArc 10018-M1 | FLAT | NA | NA | 120 | 20 | NA | 10 | NA | 10.50 | 0.53 | 1258.1 | 25.58 | 26.43 | 27.14 | 29.8 | 103.06 | 2.66 | 76.63 | 77.48 | -92.0 | 195.7 | 35.08 | 0 | 0 | 96.25 | 0 | 61.17 | 0 |
| A17 | 16.1 | SMAW | 3.2 | AtomArc 10018-M1 | FLAT | NA | NA | 120 | 20 | NA | 10 | NA | 4.50 | 1.29 | 1198.4 | 47.41 | 47.83 | 48.27 | 58.31 | 243.81 | 10.04 | 195.98 | 196.4 | -23.0 | 304 | 57.83 | 0 | 0 | 228.07 | 0 | 170.24 | 0 |
| A18 | 19.1 | SMAW | 3.2 | AtomArc 10018-M1 | FLAT | NA | NA | 120 | 20 | NA | 10 | NA | 10.50 | 0.53 | 1255.1 | 27.4 | 28.43 | 29.86 | 32.36 | 69.07 | 2.5 | 40.64 | 41.67 | -88.5 | 139.4 | 38.03 | 0 | 0 | 60.96 | 0 | 22.93 | 0 |
| A19 | 19.1 | SMAW | 3.2 | AtomArc 10018-M1 | FLAT | NA | NA | 120 | 20 | NA | 10 | NA | 4.50 | 1.29 | 1255.1 | 44.37 | 46.82 | 51.16 | 60.51 | 182.03 | 9.35 | 135.21 | 137.66 | -29.5 | 257.8 | 57.98 | 0 | 0 | 172.11 | 0 | 114.13 | 0 |
| A20 | 3.2 | GMAW - RMD | 1.2 | K-NOVA | FLAT | C10 | 100 | 130 | 17 | 85 | 5 | 13 | 27.48 | 0.19 | 1256.5 | 12.15 | 12.89 | 13.5 | 16.05 | 58.84 | 2.55 | 45.95 | 46.69 | -80.5 | 589.4 | 12.12 | 0 | 14.23 | 48.79 | 0 | 36.67 | -225.5 |
| A21 | 3.2 | GMAW - RMD | 1.2 | K-NOVA | FLAT | C10 | 100 | 130 | 17 | 85 | 5 | 13 | 15.00 | 0.35 | 1257.7 | 18.16 | 20.95 | 22.74 | 28.7 | 133.19 | 5.96 | 112.24 | 115.03 | -43.0 | 915 | 19.09 | 21.04 | 27.42 | 127.09 | 6.38 | 108 | -48.5 |
| A22 | 3.2 | GMAW - RMD | 1.2 | K-NOVA | FLAT | C10 | 100 | 130 | 17 | 85 | 5 | 13 | 10.00 | 0.53 | 1258.4 | 30.85 | 33.26 | 35.71 | 44.2 | 208.28 | 8.49 | 175.02 | 177.43 | -20.0 | 1232.2 | 28.1 | 34.31 | 43.34 | 203.91 | 9.03 | 175.81 | -28 |
| A23 | 6.4 | GMAW - RMD | 1.2 | K-NOVA | FLAT | C10 | 160 | 170 | 17 | 85 | 5 | 13 | 13.00 | 0.53 | 1231 | 22.44 | 23.32 | 24.81 | 30.7 | 177.95 | 5.89 | 154.63 | 155.51 | -28.5 | 601.3 | 23.89 | 0 | 28.62 | 164.65 | 0 | 140.76 | -60.5 |
| A24 | 6.4 | GMAW - RMD | 1.2 | K-NOVA | FLAT | C10 | 160 | 170 | 17 | 85 | 5 | 13 | 5.50 | 1.29 | 1248.1 | 48.13 | 52.28 | 60.59 | 91.18 | 395.14 | 30.59 | 342.86 | 347.01 | -0.5 | 864.7 | 48.97 | 53.03 | 81.31 | 378.99 | 28.28 | 330.02 | -5.5 |
| A25 | 3.2 | P-GMAW | 0.9 | K-NOVA | FLAT | C10 | 150 | 70 | 18 | 42 | 45 | 13 | 15.50 | 0.19 | 1258.9 | 14.64 | 15.82 | 16.53 | 19.43 | 81.39 | 2.9 | 65.57 | 66.75 | -68.0 | 694.1 | 14.56 | 0 | 18.13 | 74.83 | 0 | 60.27 | -109.5 |
| A26 | 3.2 | P-GMAW | 0.9 | K-NOVA | FLAT | C10 | 150 | 70 | 18 | 42 | 45 | 13 | 8.50 | 0.35 | 1259.4 | 26.86 | 29.88 | 32.15 | 39.29 | 177.36 | 7.14 | 147.48 | 150.5 | -36.5 | 997.2 | 25.24 | 28.41 | 36.36 | 163.32 | 7.95 | 138.08 | -43.5 |
| A27 | 3.2 | P-GMAW | 0.9 | K-NOVA | FLAT | C10 | 200 | 100 | 20.5 | 51 | 45 | 13 | 9.00 | 0.53 | 1259.7 | 40.79 | 47.35 | 51.38 | 65.51 | 289.07 | 14.13 | 241.72 | 248.28 | -20.0 | 1136.4 | 38.34 | 46.24 | 59.8 | 280.84 | 13.56 | 242.5 | -17.5 |
| A28 | 6.4 | P-GMAW | 0.9 | K-NOVA | FLAT | C10 | 200 | 100 | 20.5 | 51 | 45 | 13 | 9.00 | 0.53 | 1256.5 | 36.63 | 38.88 | 41.49 | 49.5 | 225.98 | 8.01 | 187.1 | 189.35 | -23.5 | 597.3 | 38.75 | 0 | 44.91 | 214.07 | 0 | 175.32 | -67.5 |
| A29 | 6.4 | P-GMAW | 0.9 | K-NOVA | FLAT | C10 | 200 | 100 | 20.5 | 51 | 45 | 13 | 3.75 | 1.29 | 1196.3 | 74.73 | 79 | 86.89 | 111.35 | 391.76 | 24.46 | 312.76 | 317.03 | -8.9 | 747.3 | 74.77 | 0 | 99.99 | 380.26 | 0 | 305.49 | -6 |
| A30 | 8 | P-GMAW | 0.9 | K-NOVA | FLAT | C10 | 200 | 100 | 20.5 | 51 | 45 | 13 | 9.00 | 0.53 | 1029.2 | 34.2 | 34.29 | 35.17 | 42.8 | 190.76 | 7.63 | 156.47 | 156.56 | -37.0 | 486.1 | 36.63 | 0 | 0 | 178.38 | 0 | 141.75 | 0 |
| A31 | 8 | P-GMAW | 0.9 | K-NOVA | FLAT | C10 | 200 | 100 | 20.5 | 51 | 45 | 13 | 3.75 | 1.29 | 1070.4 | 71.14 | 75 | 86.55 | 114.04 | 408.8 | 27.49 | 333.8 | 337.66 | -8.0 | 746.7 | 73.92 | 0 | 101.65 | 395.8 | 0 | 321.88 | -2.5 |
| A32 | 11 | P-GMAW | 0.9 | ER70XTi | FLAT | C10 | 200 | 100 | 20.5 | 51 | 45 | 13 | 9.00 | 0.53 | 1085.9 | 33.98 | 34.48 | 35 | 37.83 | 159.19 | 2.83 | 124.71 | 125.21 | -37.0 | 341.5 | 36.07 | 0 | 0 | 145.93 | 0 | 109.86 | 0 |
| A33 | 11 | P-GMAW | 0.9 | ER70XTi | FLAT | C10 | 200 | 100 | 20.5 | 51 | 45 | 13 | 3.75 | 1.29 | 1086 | 66.13 | 68 | 75.28 | 98.3 | 416.49 | 23.02 | 348.49 | 350.36 | -8.3 | 564.6 | 71.01 | 0 | 84.33 | 398.21 | 0 | 327.2 | -14.5 |
| A34 | 16.1 | P-GMAW | 0.9 | ER70XTi | FLAT | C10 | 200 | 100 | 20.5 | 51 | 45 | 13 | 9.00 | 0.53 | 1259.6 | 37.75 | 39.1 | 40.43 | 44.57 | 126.98 | 4.14 | 87.88 | 89.23 | -66.5 | 214.5 | 47.38 | 0 | 0 | 117.11 | 0 | 69.73 | 0 |
| A35 | 16.1 | P-GMAW | 0.9 | ER70XTi | FLAT | C10 | 200 | 100 | 20.5 | 51 | 45 | 13 | 3.75 | 1.29 | 1259.8 | 61.6 | 66 | 70.04 | 82.66 | 336.63 | 12.62 | 270.63 | 275.03 | -25.0 | 359.6 | 76.92 | 0 | 0 | 321 | 0 | 244.08 | 0 |
| A36 | 19.1 | P-GMAW | 0.9 | ER70XTi | FLAT | C10 | 200 | 100 | 20.5 | 51 | 45 | 13 | 9.00 | 0.53 | 1137.2 | 20.54 | 21.18 | 22.74 | 25.85 | 70.44 | 3.11 | 49.26 | 49.9 | -86.0 | 158.4 | 29.63 | 0 | 0 | 60.81 | 0 | 31.18 | 0 |
| A37 | 19.1 | P-GMAW | 0.9 | ER70XTi | FLAT | C10 | 200 | 100 | 20.5 | 51 | 45 | 13 | 3.75 | 1.29 | 1253.1 | 7.79 | 85.63 | 88.39 | 95.61 | 242.94 | 7.22 | 157.31 | 235.15 | -32.0 | 286.8 | 90.01 | 0 | 0 | 281.41 | 0 | 191.4 | 0 |
| A38 | 6.4 | SS-FCAW | 2.0 | FABSHIELD 71K6 | FLAT | NA | 75 | 200 | 18 | NA | NA | 28 | 8.02 | 1.06 | 1259.9 | 36.46 | 46.8 | 52.8 | 84.24 | 391.62 | 31.44 | 344.82 | 355.16 | -8.5 | 1049.1 | 39.37 | 48.61 | 78.31 | 373.98 | 29.7 | 334.61 | -6.5 |
| A39 | 6.4 | SS-FCAW | 2.0 | FABSHIELD 71K6 | FLAT | NA | 75 | 200 | 18 | NA | NA | 28 | 6.50 | 1.29 | 1258 | 48.35 | 59.78 | 67.2 | 104.29 | 412.85 | 37.09 | 353.07 | 364.5 | -8.5 | 1143.3 | 50.8 | 63.57 | 99.44 | 403.41 | 35.87 | 352.61 | -8.5 |
| A40 | 8 | SS-FCAW | 2.0 | FABSHIELD 71K6 | FLAT | NA | 125 | 280 | 19 | NA | NA | 32 | 12.00 | 1.06 | 1257.5 | 22.88 | 27 | 30.9 | 49.8 | 287.97 | 18.9 | 260.97 | 265.09 | -13.5 | 808 | 27.34 | 28.29 | 47.71 | 276.18 | 19.42 | 248.84 | -14.5 |
| A41 | 8 | SS-FCAW | 2.0 | FABSHIELD 71K6 | FLAT | NA | 125 | 280 | 19 | NA | NA | 32 | 9.50 | 1.29 | 1258.1 | 29.51 | 33.5 | 41.66 | 69.39 | 327.28 | 27.73 | 293.78 | 297.77 | -6.0 | 891.8 | 33.4 | 38.36 | 65.48 | 319.9 | 27.12 | 286.5 | -8.5 |
| A44 | 11 | SS-FCAW | 2.0 | FABSHIELD 81N2 | FLAT | NA | 150 | 310 | 19 | NA | NA | 32 | 11.00 | 1.29 | 1254.7 | 26.36 | 28.5 | 28.12 | 50.83 | 327.5 | 22.71 | 299 | 301.14 | -14.5 | 609.2 | 33.29 | 0 | 46.19 | 317.16 | 0 | 283.87 | -18 |
| A45 | 11 | SS-FCAW | 2.0 | FABSHIELD 81N2 | FLAT | NA | 150 | 310 | 19 | NA | NA | 32 | 6.99 | 1.99 | 1256.3 | 33.75 | 40.18 | 50.81 | 90.72 | 467.37 | 39.91 | 427.19 | 433.62 | -2.5 | 784.7 | 42.52 | 0 | 83.3 | 453.07 | 0 | 410.55 | -5.5 |
| A46 | 16.1 | SS-FCAW | 2.0 | FABSHIELD 81N2 | FLAT | NA | 150 | 310 | 19 | NA | NA | 32 | 11.00 | 1.29 | 1258.7 | 5.24 | 34.48 | 36.62 | 44.3 | 247.59 | 7.68 | 213.11 | 242.35 | -23.0 | 357.3 | 39.89 | 0 | 0 | 238.18 | 0 | 198.29 | 0 |
| A47 | 16.1 | SS-FCAW | 2.0 | FABSHIELD 81N2 | FLAT | NA | 150 | 310 | 19 | NA | NA | 32 | 6.99 | 1.99 | 1257.5 | 33.86 | 43.02 | 47.1 | 64.61 | 331.75 | 17.51 | 288.73 | 297.89 | -8.0 | 498.5 | 56.37 | 0 | 0 | 327.1 | 0 | 270.73 | 0 |
| A48 | 19.1 | SS-FCAW | 2.0 | FABSHIELD 81N2 | FLAT | NA | 150 | 310 | 19 | NA | NA | 32 | 11.00 | 1.29 | 1255.5 | 29.56 | 30.55 | 31.21 | 36.2 | 207.92 | 4.99 | 177.37 | 178.36 | -24.4 | 297.3 | 41.19 | 0 | 0 | 196.98 | 0 | 155.79 | 0 |
| A49 | 19.1 | SS-FCAW | 2.0 | FABSHIELD 81N2 | FLAT | NA | 150 | 310 | 19 | NA | NA | 32 | 6.99 | 1.99 | 1256.1 | 34.42 | 36.65 | 37.06 | 53.26 | 348.18 | 16.2 | 311.53 | 313.76 | -15.0 | 407.4 | 49.61 | 0 | 0 | 325.43 | 0 | 275.82 | 0 |
| A50 | 6.4 | GS-FCAW | 1.2 | DS II 71T-12 | FLAT | C25 | 325 | 200 | 25.5 | NA | NA | 19 | 11.00 | 1.06 | 1256.3 | 28.2 | 32 | 35 | 56.12 | 300 | 21.12 | 268 | 271.8 | -7.2 | 799.1 | 37.32 | 37.28 | 59.92 | 335.48 | 22.64 | 298.16 | -7.125 |
| A51 | 6.4 | GS-FCAW | 1.2 | DS II 71T-12 | FLAT | C25 | 285 | 175 | 24.5 | NA | NA | 19 | 8.00 | 1.29 | 1256.5 | 40.12 | 47.8 | 54.8 | 90.04 | 458.92 | 35.24 | 411.12 | 418.8 | -6.4 | 957.8 | 50.12 | 57.24 | 90.76 | 468.92 | 33.52 | 418.8 | -7.25 |
| A52 | 8 | GS-FCAW | 1.2 | DS II 71T-12 | FLAT | C25 | 325 | 200 | 25.5 | NA | NA | 19 | 11.00 | 1.06 | 1254.9 | 38.08 | 41 | 44.56 | 60.72 | 296.52 | 16.16 | 255.52 | 258.44 | -10.6 | 716.5 | 47 | | 63.12 | 299.52 | | 252.52 | -9.375 |
| A53 | 8 | GS-FCAW | 1.2 | DS II 71T-12 | FLAT | C25 | 285 | 175 | 24.5 | NA | NA | 19 | 8.00 | 1.29 | 1048.1 | 30.56 | 32 | 37.36 | 61.4 | 344 | 24.04 | 312 | 313.4 | -9.9 | 790.1 | 41.24 | | 65.24 | 355.68 | | 314.44 | -10.75 |
| A54 | 11 | GS-FCAW | 1.2 | DSII 80T1-Ni1 | FLAT | C25 | 375 | 225 | 26.5 | NA | NA | 19 | 11.00 | 1.29 | 1257.8 | 25.8 | 30.4 | 32.36 | 39.92 | 135 | 7.56 | 104.6 | 109.2 | -77.2 | 514.7 | 34.12 | | 36.4 | 325 | 36.4 | 290.88 | |
| A55 | 11 | GS-FCAW | 1.2 | DSII 80T1-Ni1 | FLAT | C25 | 375 | 225 | 26.5 | NA | NA | 19 | 7.00 | 1.99 | 1259.8 | 32.88 | 43.36 | 48.96 | 86.84 | 777.72 | 37.88 | 734.36 | 744.84 | -3.8 | 748.1 | 47.84 | | 86.08 | 778.6 | | 730.76 | -5.875 |
| A56 | 16.1 | GS-FCAW | 1.2 | DSII 80T1-Ni1 | FLAT | C25 | 375 | 225 | 26.5 | NA | NA | 19 | 11.00 | 1.29 | 1258.7 | 27.97 | 33.16 | 35.23 | 41.24 | 223.1 | 6.01 | 189.94 | 195.13 | -37.5 | 333.8 | 43.35 | | | 217.71 | | 174.36 | |
| A57 | 16.1 | GS-FCAW | 1.2 | DSII 80T1-Ni1 | FLAT | C25 | 375 | 225 | 26.5 | NA | NA | 19 | 7.00 | 1.99 | 1258.2 | 32.65 | 41.12 | 44.2 | 59.82 | 356.49 | 15.62 | 315.37 | 323.84 | -6.0 | 453.9 | 53.42 | | | 351.93 | | 298.51 | |
| A58 | 19.1 | GS-FCAW | 1.2 | DSII 80T1-Ni1 | FLAT | C25 | 375 | 225 | 26.5 | NA | NA | 19 | 11.00 | 1.29 | 1224.9 | 18.79 | 19.68 | 20.41 | 26.79 | 182.22 | 6.38 | 162.54 | 163.43 | -34.5 | 284.1 | 37.14 | | | 182.04 | | 144.9 | |
| A59 | 19.1 | GS-FCAW | 1.2 | DSII 80T1-Ni1 | FLAT | C25 | 375 | 225 | 26.5 | NA | NA | 19 | 7.00 | 1.99 | 1260 | 31.99 | 41.07 | 42.47 | 55.89 | 294.86 | 13.42 | 253.79 | 262.87 | -25.5 | 379.8 | 53.27 | | | 286.83 | | 233.56 | |
| A60 | 6.4 | MCAW | 1.2 | MC70 | FLAT | C10 | 200 | 140 | 20.5 | 48 | 32 | 13 | 13.00 | 0.52 | 1255.9 | 27.44 | 28.4 | 30.52 | 37.8 | 203.4 | 7.28 | 175 | 175.96 | -25.7 | 649.2 | 33.92 | | 41.16 | 207.2 | | 173.28 | -18 |
| A61 | 6.4 | MCAW | 1.2 | MC70 | FLAT | C10 | 200 | 140 | 20.5 | 48 | 32 | 13 | 5.25 | 1.29 | 1254.7 | 45.68 | 58.28 | 67.16 | 108.56 | 499.44 | 41.4 | 441.16 | 453.76 | -6.5 | 1008.1 | 59.96 | 71.52 | 114.64 | 525.52 | 43.12 | 465.56 | -5 |
| A62 | 8 | MCAW | 1.2 | MC70 | FLAT | C10 | 200 | 140 | 20.5 | 48 | 32 | 13 | 13.00 | 0.52 | 1253.1 | 34.8 | 35.84 | 37.44 | 42.04 | 149.2 | 4.6 | 113.36 | 0.36 | -13.3 | 499.4 | 43.64 | | | 153.6 | | 109.96 | |
| A63 | 8 | MCAW | 1.2 | MC70 | FLAT | C10 | 200 | 140 | 20.5 | 48 | 32 | 13 | 5.25 | 1.29 | 1254.4 | 98.64 | 105.12 | 114.32 | 142.84 | 379.4 | 28.52 | 274.28 | 280.76 | -9.4 | 789.8 | 121.32 | | 152.2 | 407.72 | | 286.4 | -4.25 |
| A64 | 11 | MCAW | 1.2 | MC100 | FLAT | C10 | 200 | 140 | 20.5 | 48 | 32 | 13 | 13.00 | 0.52 | 1256.2 | 34.32 | 35.96 | 37.44 | 40.44 | 172.6 | 3 | 136.64 | 138.28 | -73.1 | 342.6 | 41.72 | | | 184.08 | | 142.36 | |
| A65 | 11 | MCAW | 1.2 | MC100 | FLAT | C10 | 200 | 140 | 20.5 | 48 | 32 | 13 | 5.25 | 1.29 | 1256.3 | 47.68 | 49.64 | 55.04 | 71.12 | 300.68 | 16.08 | 251.04 | 73.6 | -12.9 | 561.6 | 61.32 | | 70.48 | 326.8 | | 265.48 | -13 |
| A66 | 16.1 | MCAW | 1.2 | MC100 | FLAT | C10 | 200 | 140 | 20.5 | 48 | 32 | 13 | 13.00 | 0.52 | 1257.6 | 35.89 | 36.68 | 38.48 | 41.4 | 122.76 | 2.92 | 86.08 | 86.87 | -95.0 | 216.1 | 49.66 | | | 119.65 | | 69.99 | |
| A67 | 16.1 | MCAW | 1.2 | MC100 | FLAT | C10 | 200 | 140 | 20.5 | 48 | 32 | 13 | 5.25 | 1.29 | 1258.1 | 51.73 | 58.45 | 61.72 | 68.65 | 321.06 | 6.93 | 262.61 | 269.33 | -66.0 | 380.5 | 72.68 | | | 316.98 | | 244.3 | |
| A68 | 19.1 | MCAW | 1.2 | MC100 | FLAT | C10 | 200 | 140 | 20.5 | 48 | 32 | 13 | 13.00 | 0.52 | 1257.1 | 29 | 29.84 | 30.88 | 33.64 | 82.72 | 2.76 | 52.88 | 53.72 | -88.9 | 164.7 | 41.24 | | | 82.2 | | 40.96 | |
| A69 | 19.1 | MCAW | 1.2 | MC100 | FLAT | C10 | 200 | 140 | 20.5 | 48 | 32 | 13 | 5.25 | 1.29 | 1258.2 | 97.88 | 103.04 | 106.4 | 113.04 | 292.28 | 6.64 | 189.24 | 194.4 | -36.6 | 295 | 118.6 | | | 295.36 | | 176.76 | |