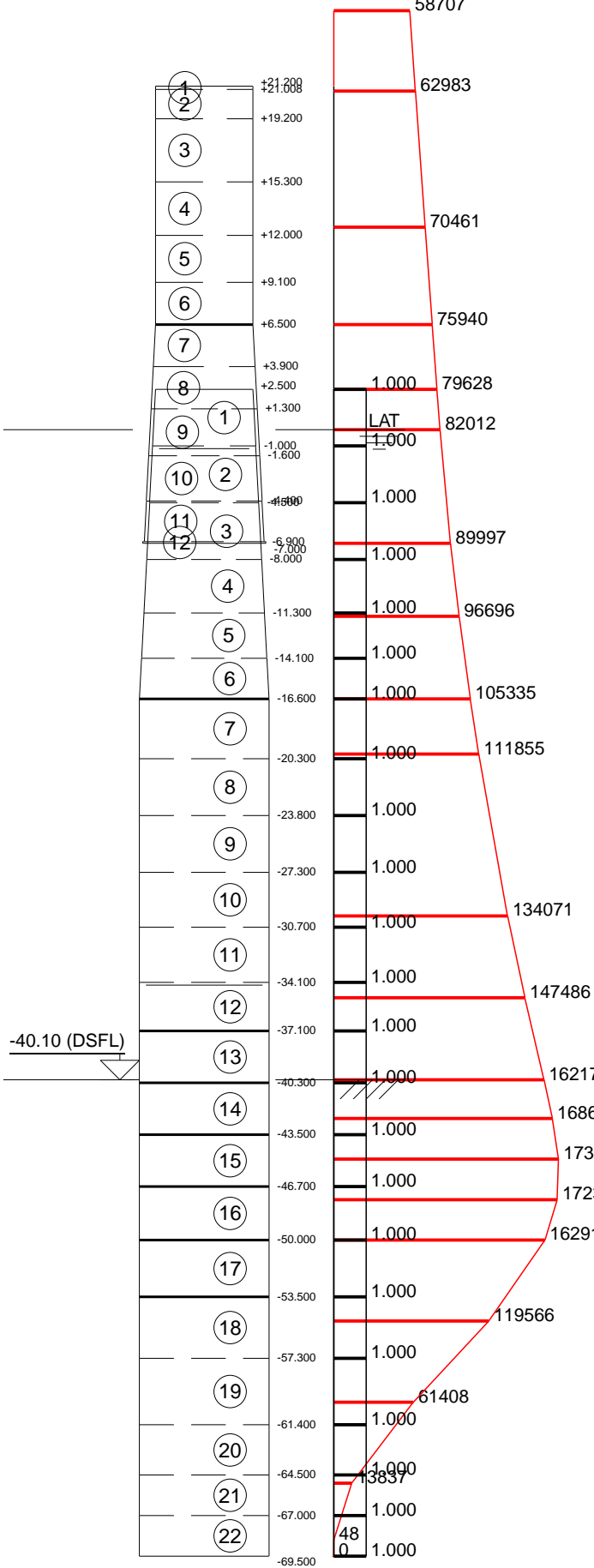


| FATIGUE DESIGN CHECK - TP OUTSIDE | | | | | | | |
|-----------------------------------|-----------|--------|-------|-------|-------|--------|--------|
| Can | Elevation | nom WT | Curve | SCF | SigEq | Damage | DLife |
| [-] | [m LAT] | [mm] | [-] | [-] | [MPa] | [-] | [a] |
| TP1 | 21.008 | 80+0 | 90 | 1.000 | 28.53 | 0.288 | 88.78 |
| TP2 | 21.008 | 80+0 | 90 | 1.000 | 28.53 | 0.288 | 88.78 |
| TP2 | 19.200 | 80+0 | 90 | 1.000 | 29.18 | 0.322 | 79.38 |
| TP3 | 19.200 | 80+0 | 90 | 1.000 | 29.18 | 0.322 | 79.38 |
| TP3 | 15.300 | 80+0 | 90 | 1.000 | 30.57 | 0.407 | 62.88 |
| TP4 | 15.300 | 85+0 | 90 | 1.000 | 28.99 | 0.331 | 77.21 |
| TP4 | 12.000 | 85+0 | 90 | 1.000 | 30.12 | 0.401 | 63.74 |
| TP5 | 12.000 | 92+0 | 90 | 1.000 | 28.10 | 0.307 | 83.36 |
| TP5 | 9.100 | 92+0 | 90 | 1.000 | 29.03 | 0.361 | 70.79 |
| TP6 | 9.100 | 96+4 | 90 | 1.000 | 27.97 | 0.313 | 81.75 |
| TP6 | 6.500 | 96+4 | 112 | 1.344 | 28.95 | 0.278 | 91.86 |
| TP7 | 6.500 | 96+4 | 112 | 1.344 | 28.95 | 0.278 | 91.86 |
| TP7 | 3.900 | 96+4 | 90 | 1.000 | 27.27 | 0.276 | 92.76 |
| TP8 | 3.900 | 91+4 | 90 | 1.000 | 28.59 | 0.331 | 77.24 |
| TP8 | 1.300 | 91+4 | 90 | 1.000 | 27.17 | 0.257 | 99.66 |
| TP9 | 1.300 | 86+4 | 90 | 1.000 | 28.58 | 0.312 | 81.96 |
| TP9 | -1.600 | 86+4 | 90 | 1.000 | 27.16 | 0.242 | 105.69 |
| TP10 | -1.600 | 76+4 | 90 | 1.000 | 30.33 | 0.371 | 68.86 |
| TP10 | -4.400 | 76+4 | 90 | 1.000 | 29.05 | 0.300 | 85.39 |
| TP11 | -4.400 | 76+4 | 90 | 1.000 | 29.05 | 0.300 | 85.39 |

| FATIGUE DESIGN CHECK - MP OUTSIDE | | | | | | | |
|-----------------------------------|-----------|--------|-------|-------|-------|--------|--------|
| Can | Elevation | nom WT | Curve | SCF | SigEq | Damage | DLife |
| [-] | [m LAT] | [mm] | [-] | [-] | [MPa] | [-] | [a] |
| MP1 | -1.000 | 78+2 | 90 | 1.001 | 33.51 | 0.631 | 40.51 |
| MP2 | -1.000 | 77+0 | 90 | 1.001 | 33.88 | 0.659 | 38.84 |
| MP2 | -4.500 | 77+0 | 90 | 1.006 | 31.96 | 0.503 | 50.83 |
| MP3 | -4.500 | 75+0 | 90 | 1.006 | 32.69 | 0.549 | 46.58 |
| MP3 | -8.000 | 75+0 | 90 | 1.009 | 31.05 | 0.430 | 59.43 |
| MP4 | -8.000 | 75+0 | 90 | 1.009 | 31.05 | 0.430 | 59.43 |
| MP4 | -11.300 | 75+0 | 90 | 1.009 | 29.86 | 0.354 | 72.25 |
| MP5 | -11.300 | 75+0 | 90 | 1.009 | 29.86 | 0.354 | 72.25 |
| MP5 | -14.100 | 75+0 | 90 | 1.006 | 29.05 | 0.304 | 84.12 |
| MP6 | -14.100 | 77+0 | 90 | 1.006 | 28.36 | 0.277 | 92.29 |
| MP6 | -16.600 | 77+0 | 112 | 1.453 | 27.61 | 0.291 | 87.94 |
| MP7 | -16.600 | 77+0 | 112 | 1.453 | 27.61 | 0.291 | 87.94 |
| MP7 | -20.300 | 77+0 | 90 | 1.000 | 29.43 | 0.324 | 79.02 |
| MP8 | -20.300 | 82+0 | 90 | 1.000 | 27.80 | 0.259 | 98.68 |
| MP8 | -23.800 | 82+0 | 90 | 1.000 | 29.52 | 0.350 | 73.03 |
| MP9 | -23.800 | 82+0 | 90 | 1.000 | 29.52 | 0.350 | 73.03 |
| MP9 | -27.300 | 82+0 | 90 | 1.000 | 31.25 | 0.465 | 54.98 |
| MP10 | -27.300 | 85+0 | 90 | 1.000 | 30.27 | 0.411 | 62.19 |
| MP10 | -30.700 | 85+0 | 90 | 1.000 | 31.95 | 0.539 | 47.48 |
| MP11 | -30.700 | 85+0 | 90 | 1.000 | 31.95 | 0.539 | 47.48 |
| MP11 | -34.100 | 85+0 | 90 | 1.000 | 33.80 | 0.714 | 35.85 |
| MP12 | -34.100 | 95+0 | 90 | 1.000 | 30.68 | 0.492 | 52.03 |
| MP12 | -37.100 | 95+0 | 112 | 1.000 | 33.13 | 0.124 | 206.13 |
| MP13 | -37.100 | 90+0 | 112 | 1.000 | 34.84 | 0.155 | 164.60 |
| MP13 | -40.300 | 90+0 | 112 | 1.000 | 36.84 | 0.205 | 124.56 |
| MP14 | -40.300 | 90+0 | 112 | 1.000 | 36.84 | 0.205 | 124.56 |
| MP14 | -43.500 | 90+0 | 112 | 1.000 | 38.48 | 0.255 | 100.17 |
| MP15 | -43.500 | 90+0 | 112 | 1.000 | 38.48 | 0.255 | 100.17 |
| MP15 | -46.700 | 90+0 | 112 | 1.000 | 38.90 | 0.269 | 94.93 |
| MP16 | -46.700 | 87+0 | 112 | 1.000 | 40.10 | 0.309 | 82.90 |
| MP16 | -50.000 | 87+0 | 112 | 1.000 | 37.92 | 0.233 | 109.68 |
| MP17 | -50.000 | 82+0 | 112 | 1.000 | 40.00 | 0.296 | 86.46 |
| MP17 | -53.500 | 82+0 | 112 | 1.000 | 32.83 | 0.110 | 232.32 |
| MP18 | -53.500 | 75+0 | 112 | 1.000 | 35.64 | 0.159 | 160.99 |
| MP18 | -57.300 | 75+0 | 90 | 1.011 | 24.73 | 0.139 | 183.47 |
| MP19 | -57.300 | 70+0 | 90 | 1.011 | 26.32 | 0.178 | 143.84 |
| MP19 | -61.400 | 70+0 | 90 | 1.020 | 13.99 | 0.008 | >1000 |
| MP20 | -61.400 | 67+0 | 90 | 1.020 | 14.59 | 0.009 | >1000 |
| MP20 | -64.500 | 67+0 | 90 | 1.025 | 5.65 | 0.000 | >1000 |
| MP21 | -64.500 | 67+0 | 90 | 1.025 | 5.65 | 0.000 | >1000 |
| MP21 | -67.000 | 67+0 | 90 | 1.000 | 1.81 | 0.000 | >1000 |
| MP22 | -67.000 | 90+0 | 90 | 1.000 | 1.36 | 0.000 | >1000 |



| FATIGUE DESIGN CHECK - TP INSIDE | | | | | | | |
|----------------------------------|-----------|--------|-------|-------|-------|--------|--------|
| Can | Elevation | nom WT | Curve | SCF | SigEq | Damage | DLife |
| [-] | [m LAT] | [mm] | [-] | [-] | [MPa] | [-] | [a] |
| TP1 | 21.008 | 80+0 | 90 | 1.000 | 27.77 | 0.252 | 101.63 |
| TP2 | 21.008 | 80+0 | 90 | 1.000 | 27.77 | 0.252 | 101.63 |
| TP2 | 19.200 | 80+0 | 90 | 1.000 | 28.40 | 0.282 | 90.87 |
| TP3 | 19.200 | 80+0 | 90 | 1.000 | 28.40 | 0.282 | 90.87 |
| TP3 | 15.300 | 80+0 | 90 | 1.086 | 29.45 | 0.509 | 50.23 |
| TP4 | 15.300 | 85+0 | 90 | 1.086 | 27.91 | 0.414 | 61.85 |
| TP4 | 12.000 | 85+0 | 90 | 1.110 | 28.87 | 0.547 | 46.77 |
| TP5 | 12.000 | 92+0 | 90 | 1.110 | 26.93 | 0.418 | 61.25 |
| TP5 | 9.100 | 92+0 | 90 | 1.115 | 27.77 | 0.498 | 51.32 |
| TP6 | 9.100 | 96+4 | 90 | 1.115 | 26.74 | 0.431 | 59.37 |
| TP6 | 6.500 | 96+4 | 112 | 1.344 | 28.02 | 0.237 | 108.08 |
| TP7 | 6.500 | 96+4 | 112 | 1.344 | 28.02 | 0.237 | 108.08 |
| TP7 | 3.900 | 96+4 | 90 | 1.073 | 26.25 | 0.324 | 78.84 |
| TP8 | 3.900 | 91+4 | 90 | 1.073 | 27.55 | 0.391 | 65.43 |
| TP8 | 1.300 | 91+4 | 90 | 1.077 | 26.23 | 0.312 | 81.99 |
| TP9 | 1.300 | 86+4 | 90 | 1.077 | 27.60 | 0.380 | 67.28 |
| TP9 | -1.600 | 86+4 | 90 | 1.159 | 26.08 | 0.413 | 61.92 |
| TP10 | -1.600 | 76+4 | 90 | 1.159 | 29.09 | 0.630 | 40.62 |
| TP10 | -4.400 | 76+4 | 90 | 1.000 | 28.44 | 0.269 | 95.09 |
| TP11 | -4.400 | 76+4 | 90 | 1.000 | 28.44 | 0.269 | 95.09 |

| FATIGUE DESIGN CHECK - MP INSIDE | | | | | | | |
|----------------------------------|-----------|--------|-------|-------|-------|--------|--------|
| Can | Elevation | nom WT | Curve | SCF | SigEq | Damage | DLife |
| [-] | [m LAT] | [mm] | [-] | [-] | [MPa] | [-] | [a] |
| MP1 | -1.000 | 78+2 | 112 | 1.057 | 33.64 | 0.160 | 160.02 |
| MP2 | -1.000 | 77+0 | 112 | 1.057 | 34.05 | 0.169 | 151.63 |
| MP2 | -4.500 | 77+0 | 90 | 1.045 | 31.07 | 0.528 | 48.49 |
| MP3 | -4.500 | 75+0 | 90 | 1.045 | 31.79 | 0.577 | 44.36 |
| MP3 | -8.000 | 75+0 | 90 | 1.009 | 30.39 | 0.387 | 66.13 |
| MP4 | -8.000 | 75+0 | 90 | 1.009 | 30.39 | 0.387 | 66.13 |
| MP4 | -11.300 | 75+0 | 90 | 1.009 | 29.26 | 0.320 | 79.99 |
| MP5 | -11.300 | 75+0 | 90 | 1.009 | 29.26 | 0.320 | 79.99 |
| MP5 | -14.100 | 75+0 | 90 | 1.045 | 28.38 | 0.327 | 78.25 |
| MP6 | -14.100 | 77+0 | 90 | 1.045 | 27.70 | 0.298 | 85.97 |
| MP6 | -16.600 | 77+0 | 112 | 1.453 | 27.08 | 0.264 | 96.92 |
| MP7 | -16.600 | 77+0 | 112 | 1.453 | 27.08 | 0.264 | 96.92 |
| MP7 | -20.300 | 77+0 | 90 | 1.090 | 28.61 | 0.431 | 59.30 |
| MP8 | -20.300 | 82+0 | 90 | 1.090 | 27.02 | 0.346 | 74.04 |
| MP8 | -23.800 | 82+0 | 90 | 1.000 | 28.92 | 0.316 | 81.00 |
| MP9 | -23.800 | 82+0 | 90 | 1.000 | 28.92 | 0.316 | 81.00 |
| MP9 | -27.300 | 82+0 | 90 | 1.052 | 30.42 | 0.525 | 48.72 |
| MP10 | -27.300 | 85+0 | 90 | 1.052 | 29.46 | 0.463 | 55.21 |
| MP10 | -30.700 | 85+0 | 90 | 1.000 | 31.27 | 0.484 | 52.86 |
| MP11 | -30.700 | 85+0 | 90 | 1.000 | 31.27 | 0.484 | 52.86 |
| MP11 | -34.100 | 85+0 | 112 | 1.151 | 33.79 | 0.262 | 97.49 |
| MP12 | -34.100 | 95+0 | 112 | 1.151 | 30.46 | 0.165 | 155.02 |
| MP12 | -37.100 | 95+0 | 112 | 1.077 | 32.25 | 0.157 | 162.59 |
| MP13 | -37.100 | 90+0 | 112 | 1.077 | 33.93 | 0.198 | 129.49 |
| MP13 | -40.300 | 90+0 | 112 | 1.000 | 36.01 | 0.183 | 139.57 |
| MP14 | -40.300 | 90+0 | 112 | 1.000 | 36.01 | 0.183 | 139.57 |
| MP14 | -43.500 | 90+0 | 112 | 1.000 | 37.62 | 0.228 | 112.24 |
| MP15 | -43.500 | 90+0 | 112 | 1.000 | 37.62 | 0.228 | 112.24 |
| MP15 | -46.700 | 90+0 | 112 | 1.049 | 37.88 | 0.300 | 85.18 |
| MP16 | -46.700 | 87+0 | 112 | 1.049 | 39.07 | 0.345 | 74.25 |
| MP16 | -50.000 | 87+0 | 112 | 1.084 | 36.86 | 0.304 | 84.24 |
| MP17 | -50.000 | 82+0 | 112 | 1.084 | 38.89 | 0.385 | 66.38 |
| MP17 | -53.500 | 82+0 | 112 | 1.124 | 31.93 | 0.172 | 148.49 |
| MP18 | -53.500 | 75+0 | 112 | 1.124 | 34.66 | 0.248 | 102.95 |
| MP18 | -57.300 | 75+0 | 90 | 1.109 | 24.06 | 0.193 | 132.46 |
| MP19 | -57.300 | 70+0 | 90 | 1.109 | 25.62 | 0.246 | 103.79 |
| MP19 | -61.400 | 70+0 | 90 | 1.084 | 13.73 | 0.010 | >1000 |
| MP20 | -61.400 | 67+0 | 90 | 1.084 | 14.34 | 0.012 | >1000 |
| MP20 | -64.500 | 67+0 | 90 | 1.025 | 5.56 | 0.000 | >1000 |
| MP21 | -64.500 | 67+0 | 90 | 1.025 | 5.56 | 0.000 | >1000 |
| MP21 | -67.000 | 67+0 | 90 | 1.348 | 1.78 | 0.000 | >1000 |
| MP22 | -67.000 | 90+0 | 90 | 1.348 | 1.33 | 0.000 | >1000 |