


Dokumentace po zapracování připomínek ke dni 14. 3. 2017

| | | | | |
|-------|-------|-------|-------|--------|
| INDEX | ZMĚNA | DATUM | JMÉNO | PODPIS |
| A | | | | |

| | | | | | |
|--|--|--------------------|--|-----------------|---|
| Vedoucí projektant | | Vedoucí zakázky | Pluhař Martin Ing., CSc | | |
| Projektant | Pluhař Martin Ing., CSc | Technická kontrola | | | |
|  <p>BPO spol. s r.o. Lidická 1239 363 01 OSTROV</p> <p>Tel.: +420353675111 Fax: +420353612416</p> <p>projekty@bpo.cz www.bpo.cz</p> | ZAKÁZKA: Výstavba inženýrských sítí v prostoru Slatinice - produktovody a trubní síť | | | Počet A4 | Pořadové číslo <div style="font-size: 48pt; font-weight: bold;">D.1</div> |
| | | | | 114 | |
| | ČÁST (SO,PS): Projektová dokumentace pro provádění stavby | | | Stupeň projektu | |
| | | | | PST | |
| | OBSAH: Pevnostní výpočet potrubí | | | Datum dokončení | |
| OBJEDNATEL: Báňské projekty Teplice a.s. | | | 14.03.2017 | | |
| | | | Číslo zakázky | | |
| | | | 7677-26 | | |
| | | | Číslo archivní: BPO 6-90255 | | |

Quality Assurance Block

Caepipe

Version 7.1

Client : BPO spol. s r.o., Lidická 1239, Ostrov

Project : Výpočet inženýrských sítí - Slatinice

File Number :

Report Number :

Model Name : horkovod slatinice 2017-03-14

Title : Horkovod Slatinice

Analyzed : Tue Mar 14 11:10:00 2017

Prepared by : _____ Date:
Ing. Petr Bouček

Checked by : _____ Date:
Ing. Milan Klíma

Analysis Options

Code : Piping code = EN 13480 (2012)
Occasional load factor (k) = 1.20
Include axial force in stress calculations

Temperature : Reference temperature = 21.11 (C)
Number of thermal cycles = 7000
Number of thermal loads = 1
Solve thermal case
Use temperature dependent modulus

Pressure : Pressure stress = $Pd^2 / (D^2 - d^2)$
Peak pressure factor = 1.00
Include Bourdon effect
Use pressure correction for bends

Dynamics : Cut off frequency = 33 Hz
Number of modes = 20
Include missing mass correction
Use friction in dynamic analysis

Misc. : Include hanger stiffness
Vertical direction = Y

Layout (797)

| # | Node | Type | DX (mm) | DY (mm) | DZ (mm) | Matl | Sect | Load | Data |
|----|----------------------------|----------|----------|---------|----------|------|------|------|------------|
| 1 | Title = Horkovod Slatinice | | | | | | | | |
| 2 | 10 | From | -3525 | 177 | 9918 | | | | |
| 3 | 15 | Valve | -331.432 | 24.1817 | 1382.63 | 01 | 600 | 70 | |
| 4 | 20 | | -219.323 | 16.0021 | 914.944 | 01 | 600 | 70 | Limit stop |
| 5 | 22 | | -275.494 | 20.1004 | 1149.27 | 01 | 600 | 70 | |
| 6 | 24 | Reducer | -192.519 | 14.0465 | 803.128 | 01 | 600 | 70 | |
| 7 | 30 | Bend | -798.07 | 58.2283 | 3329.29 | 01 | 800 | 70 | |
| 8 | 35 | | 196.228 | 28.4649 | 1652.93 | 01 | 800 | 70 | |
| 9 | 40 | Bend | 196.228 | 28.4649 | 1652.93 | 01 | 800 | 70 | |
| 10 | 50 | | -2144.28 | 156.45 | 8945.25 | 01 | 800 | 70 | Limit stop |
| 11 | 50 | Location | | | | | | | Limit stop |
| 12 | 60 | Bend | -827.384 | 67.4691 | 3451.58 | 01 | 800 | 70 | |
| 13 | K1 | | | | | | | | |
| 14 | 70 | Bend | 7720.51 | | 2096.14 | 01 | 800 | 70 | |
| 15 | 80 | | -602.222 | | 2426.38 | 01 | 800 | 70 | Limit stop |
| 16 | 90 | Bend | -602.222 | | 2426.38 | 01 | 800 | 70 | |
| 17 | 100 | Bend | -7804.19 | | -1759.14 | 01 | 800 | 70 | |
| 18 | 110 | | -845.414 | 86.2668 | 3343.7 | 01 | 800 | 70 | Limit stop |
| 19 | 110 | Location | | | | | | | Limit stop |
| 20 | 130 | | -3676.86 | 251.19 | 14542.4 | 01 | 800 | 70 | Limit stop |
| 21 | 130 | Location | | | | | | | Limit stop |
| 22 | 140 | | -3676.86 | 251.19 | 14542.4 | 01 | 800 | 70 | Limit stop |
| 23 | 150 | Bend | -1054.03 | | 4168.81 | 01 | 800 | 70 | |
| 24 | 160 | | | | 15200 | 01 | 800 | 70 | Limit stop |
| 25 | 170 | | | -703 | 15000 | 01 | 800 | 70 | Limit stop |
| 26 | 180 | | | -703 | 15000 | 01 | 800 | 70 | Limit stop |
| 27 | 180 | Location | | | | | | | Limit stop |
| 28 | 190 | | | -703 | 15000 | 01 | 800 | 70 | |
| 29 | K2 | | | | | | | | |
| 30 | 230 | | | -304 | 6500 | 01 | 800 | 70 | Anchor |

| Layout (797) | | | | | | | | | |
|--------------|------|----------|----------|---------|----------|------|------|------|------------|
| # | Node | Type | DX (mm) | DY (mm) | DZ (mm) | Matl | Sect | Load | Data |
| 31 | 240 | | | -304 | 6500 | 01 | 800 | 70 | |
| 32 | 280 | Bend | | -366 | 8000 | 01 | 800 | 70 | |
| 33 | 290 | | 1774.63 | -277 | 5836.15 | 01 | 800 | 70 | Limit stop |
| 34 | 300 | | 4363.84 | -704 | 14351.2 | 01 | 800 | 70 | Limit stop |
| 35 | 310 | | 1134.6 | -178 | 3731.31 | 01 | 800 | 70 | |
| 36 | 320 | Bend | 1399.34 | -178 | 4601.95 | 01 | 800 | 70 | |
| 37 | 330 | | 4736.94 | 640 | 5554.41 | 01 | 800 | 70 | Limit stop |
| 38 | 340 | | 9733.43 | 1522 | 11413.2 | 01 | 800 | 70 | Limit stop |
| 39 | 340 | Location | | | | | | | Limit stop |
| 40 | 350 | | 9740.84 | 1522 | 11406.8 | 01 | 800 | 70 | Limit stop |
| 41 | 370 | Bend | 3245.28 | 160.014 | 3800.33 | 01 | 800 | 70 | |
| 42 | K3 | | | | | | | | |
| 43 | 380 | Bend | 4567.81 | | -6567.73 | 01 | 800 | 70 | |
| 44 | 390 | | 2118.17 | 200 | 1327.92 | 01 | 800 | 70 | Limit stop |
| 45 | 400 | Bend | 2118.17 | | 1327.92 | 01 | 800 | 70 | |
| 46 | 410 | Bend | -4327.94 | | 7891.07 | 01 | 800 | 70 | |
| 47 | 420 | | 3985.59 | | 2490.99 | 01 | 800 | 70 | Limit stop |
| 48 | 440 | | 12713.2 | 1522 | 7960.76 | 01 | 800 | 70 | Limit stop |
| 49 | 440 | Location | | | | | | | Limit stop |
| 50 | 450 | | 12713.2 | 1522 | 7960.76 | 01 | 800 | 70 | Limit stop |
| 51 | 460 | | 12713.2 | 1522 | 7960.76 | 01 | 800 | 70 | Limit stop |
| 52 | 470 | Bend | 3729.21 | 426 | 2335.16 | 01 | 800 | 70 | |
| 53 | 480 | | 15340.8 | 1505 | 2215.89 | 01 | 800 | 70 | Limit stop |
| 54 | 490 | | 14845.9 | 1522 | 2144.41 | 01 | 800 | 70 | Anchor |
| 55 | 495 | Bend | 7521.94 | 773 | 1086.5 | 01 | 800 | 70 | |
| 56 | 500 | | 7323.99 | 2959 | 1057.91 | 01 | 800 | 70 | Limit stop |
| 57 | 502 | Bend | 4750.7 | 2135 | 686.212 | 01 | 800 | 70 | |
| 58 | 505 | Bend | | 6000 | | 01 | 800 | 70 | |
| 59 | 507 | | 5741.24 | | 823.491 | 01 | 800 | 70 | Limit stop |
| 60 | 510 | | 8413.89 | | 1206.84 | 01 | 800 | 70 | Limit stop |
| 61 | 520 | | 9894.23 | | 1450.62 | 01 | 800 | 70 | Limit stop |
| 62 | 522 | | 8410.09 | | 1233.03 | 01 | 800 | 70 | Limit stop |
| 63 | 525 | Bend | 3512.45 | | 514.97 | 01 | 800 | 70 | |
| 64 | 527 | Bend | | -5000 | | 01 | 800 | 70 | |
| 65 | L6 | | | | | | | | |
| 66 | 550 | | -994.722 | 57 | 6423.44 | 01 | 800 | 70 | Limit stop |
| 67 | 560 | | -2295.51 | 105 | 14823.3 | 01 | 800 | 70 | Limit stop |
| 68 | 570 | | -2295.51 | 105 | 14823.3 | 01 | 800 | 70 | Anchor |
| 69 | 580 | | -2295.51 | 105 | 14823.3 | 01 | 800 | 70 | Limit stop |
| 70 | 590 | | -1530.34 | | 9882.21 | 01 | 800 | 70 | Limit stop |
| 71 | 600 | Bend | -918.204 | 35 | 5929.32 | 01 | 800 | 70 | |
| 72 | L7 | | | | | | | | |
| 73 | 610 | Bend | 9093.96 | 2445 | 5638.25 | 01 | 800 | 70 | |
| 74 | 615 | | 2719.69 | 60 | 1686.21 | 01 | 800 | 70 | Limit stop |
| 75 | 615 | Location | | | | | | | Limit stop |
| 76 | 620 | | 12748.5 | 130 | 7904.1 | 01 | 800 | 70 | Limit stop |
| 77 | 640 | Bend | 2925.01 | 40 | 1814.33 | 01 | 800 | 70 | |
| 78 | K4 | | | | | | | | |

| Layout (797) | | | | | | | | | |
|--------------|------|----------|----------|----------|----------|------|------|------|------------|
| # | Node | Type | DX (mm) | DY (mm) | DZ (mm) | Matl | Sect | Load | Data |
| 79 | 650 | Bend | 4534.95 | | -6590.47 | 01 | 800 | 70 | |
| 80 | 660 | | 2100.66 | 142.545 | 1347.92 | 01 | 800 | 70 | Limit stop |
| 81 | 670 | Bend | 2100.66 | 142.545 | 1347.92 | 01 | 800 | 70 | |
| 82 | 680 | Bend | -4447.79 | | 7824.14 | 01 | 800 | 70 | |
| 83 | 690 | | 2902.41 | 40 | 1849.81 | 01 | 800 | 70 | Limit stop |
| 84 | 700 | | 11807.8 | 983 | 7521.69 | 01 | 800 | 70 | Limit stop |
| 85 | 710 | | 11807.8 | 983 | 7521.69 | 01 | 800 | 70 | Limit stop |
| 86 | 710 | Location | | | | | | | Limit stop |
| 87 | 720 | | 11663.8 | 983 | 7743.17 | 01 | 800 | 70 | Limit stop |
| 88 | 730 | | 17329 | 1460 | 11504.1 | 01 | 800 | 70 | Anchor |
| 89 | 740 | | 17495.6 | 1473 | 11614.8 | 01 | 800 | 70 | Limit stop |
| 90 | 750 | | 7498.13 | 632 | 4977.75 | 01 | 800 | 70 | Limit stop |
| 91 | 830 | Bend | 3332.5 | 344 | 2212.33 | 01 | 800 | 70 | |
| 92 | L8 | | | | | | | | |
| 93 | 840 | | -1521.66 | -90 | 11701.5 | 01 | 800 | 70 | Limit stop |
| 94 | 850 | | -1934.32 | -104 | 14874.8 | 01 | 800 | 70 | Limit stop |
| 95 | 850 | Location | | | | | | | Limit stop |
| 96 | 910 | | -1875.29 | -104 | 14882.3 | 01 | 800 | 70 | Limit stop |
| 97 | 920 | Bend | -1812.78 | -94 | 14386.2 | 01 | 800 | 70 | |
| 98 | L9 | | | | | | | | |
| 99 | 930 | | 5721.77 | -35 | 2867.29 | 01 | 800 | 70 | Limit stop |
| 100 | 940 | | 13410.4 | -104 | 6720.2 | 01 | 800 | 70 | Anchor |
| 101 | 950 | | 13409.1 | -104 | 6722.82 | 01 | 800 | 70 | Limit stop |
| 102 | 970 | | 8970.12 | -70 | 4420.06 | 01 | 800 | 70 | Limit stop |
| 103 | 970 | Location | | | | | | | Limit stop |
| 104 | 980 | | 11257.5 | -87 | 5547.17 | 01 | 800 | 70 | Limit stop |
| 105 | 990 | Bend | 4485.06 | -300 | 2210.03 | 01 | 800 | 70 | |
| 106 | K7 | | | | | | | | |
| 107 | 1010 | Bend | 3519.99 | | -7183.99 | 01 | 800 | 70 | |
| 108 | 1015 | | 3151.22 | -300 | 1523.09 | 01 | 800 | 70 | Limit stop |
| 109 | 1020 | Bend | 3151.22 | -300 | 1523.09 | 01 | 800 | 70 | |
| 110 | 1025 | Bend | -3329.1 | | 7274.41 | 01 | 800 | 70 | |
| 111 | 1040 | | 4444.81 | -300 | 2289.9 | 01 | 800 | 70 | Limit stop |
| 112 | 1050 | | 10667.5 | -930 | 5495.77 | 01 | 800 | 70 | Anchor |
| 113 | 1055 | | 8889.62 | -775 | 4579.81 | 01 | 800 | 70 | Limit stop |
| 114 | 1060 | Bend | 3555.85 | -433 | 1831.92 | 01 | 800 | 70 | |
| 115 | L10 | | | | | | | | |
| 116 | 1100 | | -1112.03 | | 2239.06 | 01 | 800 | 70 | Limit stop |
| 117 | 1105 | | -4003.32 | | 8060.61 | 01 | 800 | 70 | Limit stop |
| 118 | 1110 | | -6672.19 | | 13434.4 | 01 | 800 | 70 | Limit stop |
| 119 | 1130 | | -6663.08 | -780.361 | 13416.2 | 01 | 800 | 70 | Limit stop |
| 120 | 1140 | Bend | -1065.92 | -132.04 | 2146.25 | 01 | 800 | 70 | |
| 121 | L11 | | | | | | | | |
| 122 | 1170 | | 8160.41 | -684 | 8102.94 | 01 | 800 | 70 | Limit stop |
| 123 | 1180 | | 10636.6 | -977 | 10576.6 | 01 | 800 | 70 | Anchor |
| 124 | 1180 | Location | | | | | | | |
| 125 | 1190 | | 8870.01 | -814 | 8807.55 | 01 | 800 | 70 | Limit stop |
| 126 | 1200 | Bend | 3548.01 | -270 | 3523.02 | 01 | 800 | 70 | |

| Layout (797) | | | | | | | | | |
|--------------|------|----------|----------|---------|----------|------|------|------|------------|
| # | Node | Type | DX (mm) | DY (mm) | DZ (mm) | Matl | Sect | Load | Data |
| 127 | K8 | | | | | | | | |
| 128 | 1210 | Bend | 5864.91 | | -5440.85 | 01 | 800 | 70 | |
| 129 | 1220 | | 2474.87 | -270 | 2474.87 | 01 | 800 | 70 | Limit stop |
| 130 | 1230 | Bend | 2474.87 | -270 | 2474.87 | 01 | 800 | 70 | |
| 131 | 1240 | Bend | -5369.82 | | 5930.01 | 01 | 800 | 70 | |
| 132 | 1250 | | 3538.03 | -270 | 3533.03 | 01 | 800 | 70 | Limit stop |
| 133 | 1260 | | 8915.84 | -770 | 8903.25 | 01 | 800 | 70 | Limit stop |
| 134 | 1260 | Location | | | | | | | Limit stop |
| 135 | 1270 | | 10614.1 | -895 | 10599.1 | 01 | 800 | 70 | Limit stop |
| 136 | 1280 | | 10614.1 | -895 | 10599.1 | 01 | 800 | 70 | Limit stop |
| 137 | 1290 | | 10614.1 | -895 | 10599.1 | 01 | 800 | 70 | Limit stop |
| 138 | 1300 | Bend | 11321.7 | -907 | 11305.7 | 01 | 800 | 70 | |
| 139 | L12 | | | | | | | | |
| 140 | 1310 | | 1445.08 | -70 | 402.162 | 01 | 800 | 70 | Limit stop |
| 141 | 1320 | | 10597.3 | -656 | 2949.19 | 01 | 800 | 70 | Limit stop |
| 142 | 1330 | | 10597.3 | -656 | 2949.19 | 01 | 800 | 70 | |
| 143 | K9 | | | | | | | | |
| 144 | 1360 | | 5734.93 | -350 | 1763.67 | 01 | 800 | 70 | Anchor |
| 145 | 1390 | | 5772.08 | -350 | 1638.02 | 01 | 800 | 70 | |
| 146 | 1400 | | 15392.2 | -400 | 4368.06 | 01 | 800 | 70 | Limit stop |
| 147 | 1400 | Location | | | | | | | Limit stop |
| 148 | 1410 | | 15392.2 | -400 | 4368.06 | 01 | 800 | 70 | Limit stop |
| 149 | 1420 | | 15392.2 | -400 | 4368.06 | 01 | 800 | 70 | Limit stop |
| 150 | 1420 | Location | | | | | | | Limit stop |
| 151 | 1430 | | 15392.2 | -400 | 4368.06 | 01 | 800 | 70 | Limit stop |
| 152 | 1440 | | 15392.2 | -400 | 4368.06 | 01 | 800 | 70 | Limit stop |
| 153 | 1440 | Location | | | | | | | Limit stop |
| 154 | 1450 | | 14141.6 | -366 | 4013.15 | 01 | 800 | 70 | Limit stop |
| 155 | 1460 | Bend | 4810.07 | -100 | 1365.02 | 01 | 800 | 70 | |
| 156 | K10 | | | | | | | | |
| 157 | 1470 | Bend | 2256.9 | | -7675.05 | 01 | 800 | 70 | |
| 158 | 1480 | | 3369.14 | -100 | 948.116 | 01 | 800 | 70 | Limit stop |
| 159 | 1490 | Bend | 3369.14 | -100 | 948.116 | 01 | 800 | 70 | |
| 160 | 1500 | Bend | -2096.14 | | 7720.51 | 01 | 800 | 70 | |
| 161 | 1510 | | 4805.73 | -100 | 1380.21 | 01 | 800 | 70 | Limit stop |
| 162 | 1520 | | 12014.3 | 70 | 3450.52 | 01 | 800 | 70 | Limit stop |
| 163 | 1520 | Location | | | | | | | Limit stop |
| 164 | 1530 | | 14417.2 | 80 | 4140.63 | 01 | 800 | 70 | Limit stop |
| 165 | 1540 | | 11533.7 | 66 | 3312.5 | 01 | 800 | 70 | Anchor |
| 166 | 1560 | | 11258.6 | 66 | 3183.31 | 01 | 800 | 70 | Limit stop |
| 167 | 1570 | | 12990.7 | 75 | 3673.05 | 01 | 800 | 70 | Limit stop |
| 168 | 1580 | | 14434.1 | 83 | 4081.17 | 01 | 800 | 70 | Limit stop |
| 169 | 1580 | Location | | | | | | | Limit stop |
| 170 | 1590 | | 20207.8 | 100 | 5713.63 | 01 | 800 | 70 | Limit stop |
| 171 | K11 | | | | | | | | |
| 172 | 1630 | | 20189.6 | 500 | 5777.47 | 01 | 800 | 70 | Limit stop |
| 173 | 1630 | Location | | | | | | | Limit stop |
| 174 | 1670 | | 14426.2 | 488 | 4108.93 | 01 | 800 | 70 | Limit stop |

| Layout (797) | | | | | | | | | |
|--------------|------|----------|----------|---------|----------|------|------|------|------------|
| # | Node | Type | DX (mm) | DY (mm) | DZ (mm) | Matl | Sect | Load | Data |
| 175 | 1690 | Bend | 13654.3 | 490 | 3893.12 | 01 | 800 | 70 | |
| 176 | L13 | | | | | | | | |
| 177 | 1700 | | 1524.47 | 242 | 1722.21 | 01 | 800 | 70 | Limit stop |
| 178 | 1705 | | 8616.54 | 1177 | 9734.23 | 01 | 800 | 70 | Limit stop |
| 179 | 1705 | Location | | | | | | | |
| 180 | 1710 | | 6362.99 | 846 | 7188.35 | 01 | 800 | 70 | Limit stop |
| 181 | 1710 | Location | | | | | | | Limit stop |
| 182 | 1720 | Bend | 3314.06 | 460 | 3743.93 | 01 | 800 | 70 | |
| 183 | K12 | | | | | | | | |
| 184 | 1730 | Bend | 6271.07 | | -4967.26 | 01 | 800 | 70 | |
| 185 | 1740 | | 2338.28 | 300 | 2604.31 | 01 | 800 | 70 | Limit stop |
| 186 | 1750 | Bend | 2338.28 | 300 | 2604.31 | 01 | 800 | 70 | |
| 187 | 1760 | Bend | -5822.31 | | 5486.41 | 01 | 800 | 70 | |
| 188 | 1770 | | 3321.82 | 460 | 3737.05 | 01 | 800 | 70 | Limit stop |
| 189 | 1770 | Location | | | | | | | Limit stop |
| 190 | 1780 | | 8364.73 | 1132 | 9422.92 | 01 | 800 | 70 | Limit stop |
| 191 | 1790 | | 9958.01 | 1356 | 11217.8 | 01 | 800 | 70 | Limit stop |
| 192 | 1800 | | 9958.01 | 1347 | 11217.8 | 01 | 800 | 70 | Limit stop |
| 193 | 1810 | Bend | 4318.37 | 451 | 4858.16 | 01 | 800 | 70 | |
| 194 | L14 | | | | | | | | |
| 195 | 1820 | | 9033.21 | 516 | 4051.08 | 01 | 800 | 70 | Limit stop |
| 196 | 1830 | | 10036.9 | 573 | 4501.19 | 01 | 800 | 70 | Limit stop |
| 197 | 1830 | Location | | | | | | | Limit stop |
| 198 | K13 | | | | | | | | |
| 199 | 1870 | | 19067.8 | 1095 | 8798.89 | 01 | 800 | 70 | Anchor |
| 200 | 1910 | | 19048 | 1095 | 8841.49 | 01 | 800 | 70 | Limit stop |
| 201 | 1920 | | 14512.8 | 834 | 6736.37 | 01 | 800 | 70 | Limit stop |
| 202 | 1920 | Location | | | | | | | Limit stop |
| 203 | 1930 | Bend | 13152.2 | 834 | 6104.84 | 01 | 800 | 70 | |
| 204 | L15 | | | | | | | | |
| 205 | 1940 | | 799.47 | 255 | 1500.28 | 01 | 800 | 70 | Limit stop |
| 206 | 1950 | | 7148.2 | 2280 | 13414.3 | 01 | 800 | 70 | Limit stop |
| 207 | 1960 | | 2351.38 | 600 | 4412.6 | 01 | 800 | 70 | |
| 208 | K14 | | | | | | | | |
| 209 | 1980 | | 1579.24 | 70 | 3123.46 | 01 | 800 | 70 | |
| 210 | 1990 | | 1579.24 | 70 | 3123.46 | 01 | 800 | 70 | |
| 211 | 2010 | | 2295.89 | 190 | 4441.72 | 01 | 800 | 70 | Limit stop |
| 212 | 2020 | Bend | 5050.96 | 946 | 9771.79 | 01 | 800 | 70 | |
| 213 | L16 | | | | | | | | |
| 214 | 2030 | | 4173.59 | 170 | 470.264 | 01 | 800 | 70 | Limit stop |
| 215 | 2070 | | 14905.7 | | 1679.51 | 01 | 800 | 70 | Limit stop |
| 216 | 2080 | | 14905.7 | | 1679.51 | 01 | 800 | 70 | Limit stop |
| 217 | 2120 | Bend | 10930.8 | | 1231.64 | 01 | 800 | 70 | |
| 218 | L17 | | | | | | | | |
| 219 | 2130 | | 606.065 | 148.016 | 1900.2 | 01 | 800 | 70 | Limit stop |
| 220 | 2140 | | 3333.36 | 814.088 | 10451.1 | 01 | 800 | 70 | Limit stop |
| 221 | 2142 | Bend | 454.55 | 111.012 | 1425.15 | 01 | 800 | 70 | |
| 222 | 2145 | Bend | 1751.52 | 1537.01 | 475.053 | 01 | 800 | 70 | |

| Layout (797) | | | | | | | | | |
|--------------|------|----------|----------|---------|----------|------|------|------|------------|
| # | Node | Type | DX (mm) | DY (mm) | DZ (mm) | Matl | Sect | Load | Data |
| 223 | 2160 | | 2977.94 | | 362.87 | 01 | 800 | 70 | Limit stop |
| 224 | 2170 | | 496.333 | | 60.4796 | 01 | 800 | 70 | |
| 225 | 2175 | Valve | 1091.92 | | 133.054 | 01 | 800 | 70 | |
| 226 | 2180 | | 7941.25 | | 967.665 | 01 | 800 | 70 | Limit stop |
| 227 | 2185 | | 10919.2 | | 1330.54 | 01 | 800 | 70 | Limit stop |
| 228 | 2190 | | 10919.2 | | 1330.54 | 01 | 800 | 70 | Limit stop |
| 229 | 2195 | | 10919.2 | | 1330.54 | 01 | 800 | 70 | Limit stop |
| 230 | 2195 | Location | | | | | | | Limit stop |
| 231 | 2200 | | 11911.9 | | 1451.5 | 01 | 800 | 70 | Anchor |
| 232 | | | | | | | | | |
| 233 | | | | | | | | | |
| 234 | | | | | | | | | |
| 235 | | | | | | | | | |
| 236 | | | | | | | | | |
| 237 | 3000 | From | 1860 | | 350 | | | | Anchor |
| 238 | 3002 | | -297.403 | 21.6989 | 1240.67 | 01 | 600 | 140 | |
| 239 | 3004 | Valve | -325.838 | 23.7736 | 1359.29 | 01 | 600 | 140 | |
| 240 | 3006 | | -675.916 | 49.3157 | 2819.7 | 01 | 600 | 140 | |
| 241 | 3018 | | -1067.48 | 77.8848 | 4453.18 | 01 | 600 | 140 | Limit stop |
| 242 | 3020 | | -272.231 | 19.8623 | 1135.66 | 01 | 600 | 140 | |
| 243 | 3022 | | -706.215 | 51.5264 | 2946.1 | 01 | 600 | 140 | |
| 244 | 3034 | Valve | -325.605 | 23.7566 | 1358.32 | 01 | 600 | 140 | |
| 245 | 3030 | | -571.032 | 41.6633 | 2382.16 | 01 | 600 | 140 | Limit stop |
| 246 | 3030 | Location | | | | | | | Limit stop |
| 247 | 3035 | Bend | -256.383 | 18.4185 | 1069.55 | 01 | 600 | 140 | |
| 248 | 3040 | | -453.675 | 21.0975 | 1225.12 | 01 | 600 | 140 | |
| 249 | 3045 | Bend | -453.675 | 21.0975 | 1225.12 | 01 | 600 | 140 | |
| 250 | 3050 | | -2070.12 | 148.717 | 8635.86 | 01 | 600 | 140 | Limit stop |
| 251 | 3050 | Location | | | | | | | Limit stop |
| 252 | 3060 | Bend | -629.278 | 51.3145 | 2625.14 | 01 | 600 | 140 | |
| 253 | K1 | | | | | | | | |
| 254 | 3070 | Bend | 7720.51 | | 2096.14 | 01 | 600 | 140 | |
| 255 | 3080 | | -782.889 | | 3154.3 | 01 | 600 | 140 | Limit stop |
| 256 | 3090 | Bend | -786.711 | | 3153.35 | 01 | 600 | 140 | |
| 257 | 3100 | Bend | -7804.19 | | -1759.14 | 01 | 600 | 140 | |
| 258 | 3105 | | -661.629 | 67.5131 | 2616.81 | 01 | 600 | 140 | Limit stop |
| 259 | 3105 | Location | | | | | | | Limit stop |
| 260 | 3130 | | -3676.86 | 251.19 | 14542.4 | 01 | 600 | 140 | Limit stop |
| 261 | 3130 | Location | | | | | | | Limit stop |
| 262 | 3140 | | -3676.86 | 251.19 | 14542.4 | 01 | 600 | 140 | Limit stop |
| 263 | 3150 | Bend | -1029.52 | | 4071.86 | 01 | 600 | 140 | |
| 264 | 3160 | | | 222.54 | 15000 | 01 | 600 | 140 | Anchor |
| 265 | 3170 | | | -703 | 15000 | 01 | 600 | 140 | Limit stop |
| 266 | 3180 | | | -703 | 15000 | 01 | 600 | 140 | Limit stop |
| 267 | 3180 | Location | | | | | | | Limit stop |
| 268 | 3190 | | | -703 | 15000 | 01 | 600 | 140 | Limit stop |
| 269 | 3210 | Bend | | -104 | 3000 | 01 | 600 | 140 | |
| 270 | K2 | | | | | | | | |

| Layout (797) | | | | | | | | | |
|--------------|------|----------|----------|---------|----------|------|------|------|------------|
| # | Node | Type | DX (mm) | DY (mm) | DZ (mm) | Matl | Sect | Load | Data |
| 271 | 3220 | Bend | 8000 | | | 01 | 600 | 140 | |
| 272 | 3230 | | | -200 | 3500 | 01 | 600 | 140 | Limit stop |
| 273 | 3240 | Bend | | -200 | 3500 | 01 | 600 | 140 | |
| 274 | 3250 | Bend | -8000 | | | 01 | 600 | 140 | |
| 275 | 3260 | | | -104 | 3000 | 01 | 600 | 140 | Limit stop |
| 276 | 3280 | Bend | | -366 | 7800 | 01 | 600 | 140 | |
| 277 | 3290 | | 1716.45 | -277 | 5644.8 | 01 | 600 | 140 | Limit stop |
| 278 | 3300 | | 4363.84 | -704 | 14351.2 | 01 | 600 | 140 | Limit stop |
| 279 | 3310 | | 1134.6 | -178 | 3731.31 | 01 | 600 | 140 | |
| 280 | 3320 | Bend | 1399.34 | -178 | 4601.95 | 01 | 600 | 140 | |
| 281 | 3330 | | 4221.03 | 640 | 4942.96 | 01 | 600 | 140 | Anchor |
| 282 | 3340 | | 9733.43 | 1522 | 11413.2 | 01 | 600 | 140 | Limit stop |
| 283 | 3340 | Location | | | | | | | Limit stop |
| 284 | 3350 | | 9740.84 | 1522 | 11406.8 | 01 | 600 | 140 | Limit stop |
| 285 | 3370 | Bend | 2402.74 | | 2813.69 | 01 | 600 | 140 | |
| 286 | K3 | | | | | | | | |
| 287 | 3380 | Bend | 4567.81 | | -6567.73 | 01 | 600 | 140 | |
| 288 | 3390 | | 2965.43 | | 1859.09 | 01 | 600 | 140 | Limit stop |
| 289 | 3400 | Bend | 2965.43 | | 1859.09 | 01 | 600 | 140 | |
| 290 | 3410 | Bend | -4327.94 | | 7891.07 | 01 | 600 | 140 | |
| 291 | 3420 | | 3137.59 | 300 | 1961 | 01 | 600 | 140 | Limit stop |
| 292 | 3440 | | 12713.2 | 1522 | 7960.76 | 01 | 600 | 140 | Limit stop |
| 293 | 3440 | Location | | | | | | | Limit stop |
| 294 | 3450 | | 12713.2 | 1522 | 7960.76 | 01 | 600 | 140 | Limit stop |
| 295 | 3460 | | 12713.2 | 1522 | 7960.76 | 01 | 600 | 140 | Limit stop |
| 296 | 3470 | Bend | 3561.59 | 426 | 2226 | 01 | 600 | 140 | |
| 297 | 3480 | | 14845.9 | 1505 | 2144.41 | 01 | 600 | 140 | Limit stop |
| 298 | 3490 | | 14845.9 | 1522 | 2144.41 | 01 | 600 | 140 | Anchor |
| 299 | 3495 | Bend | 7521.93 | 773 | 1086.5 | 01 | 600 | 140 | |
| 300 | 3500 | | 7323.99 | 2959 | 1057.91 | 01 | 600 | 140 | Limit stop |
| 301 | 3502 | Bend | 4750.7 | 2135 | 686.212 | 01 | 600 | 140 | |
| 302 | 3505 | Bend | | 6000 | | 01 | 600 | 140 | |
| 303 | 3510 | | 5740.42 | | 829.173 | 01 | 600 | 140 | Limit stop |
| 304 | 3520 | | 8410.09 | | 1233.03 | 01 | 600 | 140 | Limit stop |
| 305 | 3522 | | 9894.23 | | 1450.62 | 01 | 600 | 140 | Limit stop |
| 306 | 3524 | | 8410.09 | | 1233.03 | 01 | 600 | 140 | Limit stop |
| 307 | 3525 | Bend | 5016.37 | | 735.464 | 01 | 600 | 140 | |
| 308 | 3527 | Bend | | -5000 | | 01 | 600 | 140 | |
| 309 | L6 | | | | | | | | |
| 310 | 3550 | | -1231.93 | 57 | 7955.18 | 01 | 600 | 140 | Limit stop |
| 311 | 3560 | | -2295.51 | 105 | 14823.3 | 01 | 600 | 140 | Limit stop |
| 312 | 3570 | | -2295.51 | 105 | 14823.3 | 01 | 600 | 140 | Anchor |
| 313 | 3580 | | -2295.51 | 105 | 14823.3 | 01 | 600 | 140 | Limit stop |
| 314 | 3590 | | -1530.34 | | 9882.21 | 01 | 600 | 140 | Limit stop |
| 315 | 3600 | Bend | -841.687 | 35 | 5435.21 | 01 | 600 | 140 | |
| 316 | L7 | | | | | | | | |
| 317 | 3610 | Bend | 7985.38 | 2415.99 | 4948.41 | 01 | 600 | 140 | |
| 318 | 3615 | | 2719.69 | 60 | 1686.21 | 01 | 600 | 140 | Limit stop |

| Layout (797) | | | | | | | | | |
|--------------|------|----------|----------|---------|----------|------|------|------|------------|
| # | Node | Type | DX (mm) | DY (mm) | DZ (mm) | Matl | Sect | Load | Data |
| 319 | 3615 | Location | | | | | | | Limit stop |
| 320 | 3620 | | 12748.5 | 130 | 7904.1 | 01 | 600 | 140 | Limit stop |
| 321 | 3640 | Bend | 2289.14 | 40 | 1419.91 | 01 | 600 | 140 | |
| 322 | K4 | | | | | | | | |
| 323 | 3650 | Bend | 4534.95 | | -6590.47 | 01 | 600 | 140 | |
| 324 | 3660 | | 2856.23 | 207.416 | 1832.74 | 01 | 600 | 140 | Limit stop |
| 325 | 3670 | Bend | 2853.68 | 207.479 | 1836.7 | 01 | 600 | 140 | |
| 326 | 3680 | Bend | -4447.79 | | 7824.14 | 01 | 600 | 140 | |
| 327 | 3690 | | 2271.45 | 40 | 1447.68 | 01 | 600 | 140 | Limit stop |
| 328 | 3700 | | 11807.8 | 983 | 7521.69 | 01 | 600 | 140 | Limit stop |
| 329 | 3705 | | 11807.8 | 983 | 7521.69 | 01 | 600 | 140 | Anchor |
| 330 | 3720 | | 11807.8 | 983 | 7521.69 | 01 | 600 | 140 | Limit stop |
| 331 | 3730 | | 12318.9 | 1039 | 8202.73 | 01 | 600 | 140 | Limit stop |
| 332 | 3740 | Bend | 3164.13 | 220 | 2104.35 | 01 | 600 | 140 | |
| 333 | 3750 | Bend | 4534 | | -6590 | 01 | 600 | 140 | |
| 334 | 3760 | | 1851.88 | 200 | 1187.67 | 01 | 600 | 140 | Limit stop |
| 335 | 3770 | Bend | 1851.88 | 200 | 1187.67 | 01 | 600 | 140 | |
| 336 | 3780 | Bend | -4534 | | 6590 | 01 | 600 | 140 | |
| 337 | 3790 | | 3162.96 | 220 | 2106.11 | 01 | 600 | 140 | Limit stop |
| 338 | 3800 | | 12490 | 1053 | 8306.66 | 01 | 600 | 140 | Limit stop |
| 339 | 3810 | | 7491.22 | 632 | 4988.15 | 01 | 600 | 140 | Limit stop |
| 340 | 3830 | Bend | 3663.73 | 344 | 2436.62 | 01 | 600 | 140 | |
| 341 | 3840 | | -1637.72 | -90 | 12594 | 01 | 600 | 140 | Limit stop |
| 342 | 3850 | | -1934.32 | -104 | 14874.8 | 01 | 600 | 140 | Limit stop |
| 343 | 3850 | Location | | | | | | | Limit stop |
| 344 | 3860 | | -1934.32 | -104 | 14874.8 | 01 | 600 | 140 | Limit stop |
| 345 | 3920 | Bend | -1750.27 | -94 | 13890.2 | 01 | 600 | 140 | |
| 346 | L9 | | | | | | | | |
| 347 | 3930 | | 5006.55 | -35 | 2508.88 | 01 | 600 | 140 | Limit stop |
| 348 | 3940 | | 13410.4 | -104 | 6720.2 | 01 | 600 | 140 | Anchor |
| 349 | 3950 | | 13409.1 | -104 | 6722.82 | 01 | 600 | 140 | Limit stop |
| 350 | 3970 | | 8970.12 | -70 | 4420.06 | 01 | 600 | 140 | Limit stop |
| 351 | 3970 | Location | | | | | | | Limit stop |
| 352 | 3980 | | 11257.5 | -87 | 5547.17 | 01 | 600 | 140 | Limit stop |
| 353 | 3990 | Bend | 3588.05 | -300 | 1768.02 | 01 | 600 | 140 | |
| 354 | K7 | | | | | | | | |
| 355 | 4000 | Bend | 3519.99 | | -7183.99 | 01 | 600 | 140 | |
| 356 | 4010 | | 4051.57 | -300 | 1958.26 | 01 | 600 | 140 | Limit stop |
| 357 | 4020 | Bend | 4051.57 | -300 | 1958.26 | 01 | 600 | 140 | |
| 358 | 4030 | Bend | -3329.1 | | 7274.41 | 01 | 600 | 140 | |
| 359 | 4040 | | 3555.85 | -300 | 1831.92 | 01 | 600 | 140 | Limit stop |
| 360 | 4050 | | 10667.5 | -930 | 5495.77 | 01 | 600 | 140 | Anchor |
| 361 | 4055 | | 8889.62 | -775 | 4579.81 | 01 | 600 | 140 | Limit stop |
| 362 | 4060 | Bend | 4267.02 | -433 | 2198.31 | 01 | 600 | 140 | |
| 363 | L10 | | | | | | | | |
| 364 | 4100 | | -1467.88 | | 2955.56 | 01 | 600 | 140 | Limit stop |
| 365 | 4105 | | -4003.32 | | 8060.61 | 01 | 600 | 140 | Limit stop |
| 366 | 4110 | | -6672.19 | | 13434.4 | 01 | 600 | 140 | Limit stop |

| Layout (797) | | | | | | | | | |
|--------------|------|----------|----------|----------|----------|------|------|------|------------|
| # | Node | Type | DX (mm) | DY (mm) | DZ (mm) | Matl | Sect | Load | Data |
| 367 | 4150 | | -6663.08 | -780.361 | 13416.2 | 01 | 600 | 140 | Limit stop |
| 368 | 4160 | Bend | -887.677 | -131.952 | 1787.35 | 01 | 600 | 140 | |
| 369 | L11 | | | | | | | | |
| 370 | 4170 | | 7805.61 | -684 | 7750.64 | 01 | 600 | 140 | Limit stop |
| 371 | 4180 | | 10636.6 | -977 | 10576.6 | 01 | 600 | 140 | Anchor |
| 372 | 4180 | Location | | | | | | | |
| 373 | 4190 | | 8870.01 | -814 | 8807.55 | 01 | 600 | 140 | Limit stop |
| 374 | 4200 | Bend | 2838.4 | -270 | 2818.42 | 01 | 600 | 140 | |
| 375 | K8 | | | | | | | | |
| 376 | 4210 | Bend | 5864.91 | | -5440.85 | 01 | 600 | 140 | |
| 377 | 4220 | | 3181.98 | -270 | 3181.98 | 01 | 600 | 140 | Limit stop |
| 378 | 4230 | Bend | 3181.98 | -270 | 3181.98 | 01 | 600 | 140 | |
| 379 | 4240 | Bend | -5369.82 | | 5930.01 | 01 | 600 | 140 | |
| 380 | 4250 | | 2830.43 | -270 | 2826.43 | 01 | 600 | 140 | Limit stop |
| 381 | 4260 | | 8915.84 | -770 | 8903.25 | 01 | 600 | 140 | Limit stop |
| 382 | 4260 | Location | | | | | | | Limit stop |
| 383 | 4270 | | 10614.1 | -895 | 10599.1 | 01 | 600 | 140 | Limit stop |
| 384 | 4280 | | 10614.1 | -895 | 10599.1 | 01 | 600 | 140 | Anchor |
| 385 | 4290 | | 10614.1 | -895 | 10599.1 | 01 | 600 | 140 | Limit stop |
| 386 | 4290 | Location | | | | | | | Limit stop |
| 387 | 4300 | Bend | 11038.7 | -908 | 11023.1 | 01 | 600 | 140 | |
| 388 | L12 | | | | | | | | |
| 389 | 4310 | | 1348.74 | -70 | 375.352 | 01 | 600 | 140 | Limit stop |
| 390 | 4320 | | 10597.3 | -656 | 2949.19 | 01 | 600 | 140 | Limit stop |
| 391 | 4320 | Location | | | | | | | |
| 392 | 4330 | | 10597.3 | -656 | 2949.19 | 01 | 600 | 140 | Limit stop |
| 393 | 4340 | Bend | 3371.86 | -200 | 938.379 | 01 | 600 | 140 | |
| 394 | K9 | | | | | | | | |
| 395 | 4350 | Bend | 2208.33 | | -7689.17 | 01 | 600 | 140 | |
| 396 | 4360 | | 2389.56 | -150 | 734.863 | 01 | 600 | 140 | Limit stop |
| 397 | 4370 | Bend | 2389.56 | -150 | 734.863 | 01 | 600 | 140 | |
| 398 | 4380 | Bend | -2111.03 | | 7716.45 | 01 | 600 | 140 | |
| 399 | 4390 | | 3367.05 | -200 | 955.513 | 01 | 600 | 140 | Limit stop |
| 400 | 4400 | | 15392.2 | -400 | 4368.06 | 01 | 600 | 140 | Limit stop |
| 401 | 4400 | Location | | | | | | | Limit stop |
| 402 | 4410 | | 15392.2 | -400 | 4368.06 | 01 | 600 | 140 | Limit stop |
| 403 | 4420 | | 15392.2 | -400 | 4368.06 | 01 | 600 | 140 | Anchor |
| 404 | 4430 | | 15392.2 | -400 | 4368.06 | 01 | 600 | 140 | Limit stop |
| 405 | 4440 | | 15392.2 | -400 | 4368.06 | 01 | 600 | 140 | Limit stop |
| 406 | 4440 | Location | | | | | | | Limit stop |
| 407 | 4450 | | 14141.6 | -366 | 4013.15 | 01 | 600 | 140 | Limit stop |
| 408 | 4460 | Bend | 3848.05 | -100 | 1092.01 | 01 | 600 | 140 | |
| 409 | K10 | | | | | | | | |
| 410 | 4470 | Bend | 2256.9 | | -7675.05 | 01 | 600 | 140 | |
| 411 | 4480 | | 4331.75 | -100 | 1219.01 | 01 | 600 | 140 | Limit stop |
| 412 | 4490 | Bend | 4331.75 | -100 | 1219.01 | 01 | 600 | 140 | |
| 413 | 4500 | Bend | -2096.14 | | 7720.51 | 01 | 600 | 140 | |
| 414 | 4510 | | 3844.58 | -100 | 1104.17 | 01 | 600 | 140 | Limit stop |

| Layout (797) | | | | | | | | | |
|--------------|------|----------|----------|---------|----------|------|------|------|------------|
| # | Node | Type | DX (mm) | DY (mm) | DZ (mm) | Matl | Sect | Load | Data |
| 415 | 4520 | | 12014.3 | 70 | 3450.52 | 01 | 600 | 140 | Limit stop |
| 416 | 4520 | Location | | | | | | | Limit stop |
| 417 | 4530 | | 14417.2 | 80 | 4140.63 | 01 | 600 | 140 | Limit stop |
| 418 | 4540 | | 11533.7 | 66 | 3312.5 | 01 | 600 | 140 | Anchor |
| 419 | 4560 | | 11258.6 | 66 | 3183.31 | 01 | 600 | 140 | Limit stop |
| 420 | 4580 | | 12990.7 | 75 | 3673.05 | 01 | 600 | 140 | Limit stop |
| 421 | 4590 | | 14434.1 | 83 | 4081.17 | 01 | 600 | 140 | Limit stop |
| 422 | 4590 | Location | | | | | | | Limit stop |
| 423 | 4600 | | 14439.2 | 83 | 4063.35 | 01 | 600 | 140 | Limit stop |
| 424 | 4610 | Bend | 3369.14 | 40 | 948.116 | 01 | 600 | 140 | |
| 425 | K11 | | | | | | | | |
| 426 | 4620 | Bend | 2135.38 | | -7709.75 | 01 | 600 | 140 | |
| 427 | 4630 | | 2403.53 | 100 | 687.794 | 01 | 600 | 140 | Limit stop |
| 428 | 4640 | Bend | 2403.53 | 100 | 687.794 | 01 | 600 | 140 | |
| 429 | 4650 | Bend | -2071.75 | | 7727.08 | 01 | 600 | 140 | |
| 430 | 4660 | | 3366.12 | 100 | 958.751 | 01 | 600 | 140 | Limit stop |
| 431 | 4670 | | 14426.2 | 488 | 4108.93 | 01 | 600 | 140 | Limit stop |
| 432 | 4670 | Location | | | | | | | Limit stop |
| 433 | 4680 | | 14426.2 | 488 | 4108.93 | 01 | 600 | 140 | Anchor |
| 434 | 4690 | Bend | 13944 | 490 | 3971.58 | 01 | 600 | 140 | |
| 435 | L13 | | | | | | | | |
| 436 | 4700 | | 1657.03 | 242 | 1871.97 | 01 | 600 | 140 | Limit stop |
| 437 | 4705 | | 8616.54 | 1177 | 9734.23 | 01 | 600 | 140 | Limit stop |
| 438 | 4705 | Location | | | | | | | |
| 439 | 4710 | | 6362.99 | 846 | 7188.35 | 01 | 600 | 140 | Limit stop |
| 440 | 4710 | Location | | | | | | | Limit stop |
| 441 | 4720 | Bend | 2651.24 | 380 | 2995.15 | 01 | 600 | 140 | |
| 442 | K12 | | | | | | | | |
| 443 | 4730 | Bend | 6271.07 | | -4967.26 | 01 | 600 | 140 | |
| 444 | 4740 | | 3006.36 | 380 | 3348.4 | 01 | 600 | 140 | Limit stop |
| 445 | 4750 | Bend | 3006.36 | 380 | 3348.4 | 01 | 600 | 140 | |
| 446 | 4760 | Bend | -5822.31 | | 5486.41 | 01 | 600 | 140 | |
| 447 | 4770 | | 2657.46 | 380 | 2989.64 | 01 | 600 | 140 | Limit stop |
| 448 | 4770 | Location | | | | | | | Limit stop |
| 449 | 4780 | | 8364.73 | 1132 | 9422.92 | 01 | 600 | 140 | Limit stop |
| 450 | 4790 | | 9958.01 | 1356 | 11217.8 | 01 | 600 | 140 | Anchor |
| 451 | 4800 | | 9958.01 | 1347 | 11217.8 | 01 | 600 | 140 | Limit stop |
| 452 | 4810 | Bend | 3986.18 | 451 | 4484.46 | 01 | 600 | 140 | |
| 453 | L14 | | | | | | | | |
| 454 | 4820 | | 9033.21 | 516 | 4051.08 | 01 | 600 | 140 | Limit stop |
| 455 | 4830 | | 10036.9 | 573 | 4501.19 | 01 | 600 | 140 | Limit stop |
| 456 | 4830 | Location | | | | | | | Limit stop |
| 457 | 4840 | | 13686.7 | 782 | 6137.99 | 01 | 600 | 140 | Limit stop |
| 458 | 4850 | Bend | 3193.56 | 150 | 1432.2 | 01 | 600 | 140 | |
| 459 | K13 | | | | | | | | |
| 460 | 4860 | Bend | 3465.23 | | -7210.56 | 01 | 600 | 140 | |
| 461 | 4870 | | 2269.97 | 150 | 1047.49 | 01 | 600 | 140 | Limit stop |
| 462 | 4880 | Bend | 2269.97 | 150 | 1047.49 | 01 | 600 | 140 | |

| Layout (797) | | | | | | | | | |
|--------------|------|----------|----------|---------|---------|------|------|------|------------|
| # | Node | Type | DX (mm) | DY (mm) | DZ (mm) | Matl | Sect | Load | Data |
| 463 | 4890 | Bend | -3142.67 | | 7356.88 | 01 | 600 | 140 | |
| 464 | 4900 | | 3174.67 | 150 | 1473.58 | 01 | 600 | 140 | Limit stop |
| 465 | 4910 | | 13605.7 | 782 | 6315.35 | 01 | 600 | 140 | Limit stop |
| 466 | 4920 | | 14512.8 | 834 | 6736.37 | 01 | 600 | 140 | Anchor |
| 467 | 4930 | Bend | 13605.7 | 834 | 6315.35 | 01 | 600 | 140 | |
| 468 | L15 | | | | | | | | |
| 469 | 4940 | | 799.47 | 255 | 1500.28 | 01 | 600 | 140 | Limit stop |
| 470 | 4950 | | 7148.2 | 2280 | 13414.3 | 01 | 600 | 140 | Limit stop |
| 471 | 4960 | | 1881.11 | 500 | 3530.08 | 01 | 600 | 140 | |
| 472 | K14 | | | | | | | | |
| 473 | 4980 | | 2030.45 | 70 | 4015.88 | 01 | 600 | 140 | |
| 474 | 4990 | | 2030.45 | 70 | 4015.88 | 01 | 600 | 140 | |
| 475 | 5010 | | 1836.71 | 190 | 3553.38 | 01 | 600 | 140 | Limit stop |
| 476 | 5020 | Bend | 5050.96 | 946 | 9771.79 | 01 | 600 | 140 | |
| 477 | L16 | | | | | | | | |
| 478 | 5030 | | 2981.14 | 170 | 335.903 | 01 | 600 | 140 | Limit stop |
| 479 | 5070 | | 14905.7 | | 1679.51 | 01 | 600 | 140 | Limit stop |
| 480 | 5080 | | 14905.7 | | 1679.51 | 01 | 600 | 140 | Limit stop |
| 481 | 5120 | Bend | 11427.7 | | 1287.63 | 01 | 600 | 140 | |
| 482 | L17 | | | | | | | | |
| 483 | 5130 | | 909.098 | 222.024 | 2850.31 | 01 | 600 | 140 | Limit stop |
| 484 | 5140 | | 3329.07 | 813.636 | 10439.2 | 01 | 600 | 140 | Limit stop |
| 485 | 5150 | Bend | 969.704 | 236.825 | 3040.33 | 01 | 600 | 140 | |
| 486 | 5160 | | 2977.94 | | 362.87 | 01 | 600 | 140 | Limit stop |
| 487 | 5170 | | 496.333 | | 60.4796 | 01 | 600 | 140 | |
| 488 | 5175 | Valve | 1091.92 | | 133.054 | 01 | 600 | 140 | |
| 489 | 5180 | | 7941.25 | | 967.665 | 01 | 600 | 140 | Limit stop |
| 490 | 5185 | | 10919.2 | | 1330.54 | 01 | 600 | 140 | Limit stop |
| 491 | 5190 | | 10919.2 | | 1330.54 | 01 | 600 | 140 | Limit stop |
| 492 | 5195 | | 10919.2 | | 1330.54 | 01 | 600 | 140 | Limit stop |
| 493 | 5195 | Location | | | | | | | Limit stop |
| 494 | 5200 | | 11911.9 | | 1451.5 | 01 | 600 | 140 | Anchor |
| 495 | | | | | | | | | |
| 496 | 9000 | From | 3010 | | 730 | | | | Anchor |
| 497 | 9002 | | -295.073 | 21.1975 | 1230.95 | 01 | 600 | 140 | |
| 498 | 9004 | Valve | -325.839 | 23.4076 | 1359.3 | 01 | 600 | 140 | |
| 499 | 9006 | | -140.544 | 10.0964 | 586.306 | 01 | 600 | 140 | |
| 500 | 9008 | Reducer | -92.764 | 6.66397 | 386.981 | 01 | 700 | 140 | |
| 501 | 9010 | | -191.122 | 13.7298 | 797.298 | 01 | 700 | 140 | |
| 502 | 9012 | | -776.141 | 55.7564 | 3237.81 | 01 | 700 | 140 | |
| 503 | 9014 | | -290.178 | 21.1718 | 1210.53 | 01 | 700 | 140 | |
| 504 | 9016 | Reducer | -92.764 | 6.66397 | 386.981 | 01 | 700 | 140 | |
| 505 | 9018 | | -164.55 | 12.0058 | 686.451 | 01 | 600 | 140 | Limit stop |
| 506 | 9020 | | -157.325 | 11.4787 | 656.309 | 01 | 600 | 140 | |
| 507 | 9022 | Valve | -325.139 | 23.7226 | 1356.37 | 01 | 600 | 140 | |
| 508 | 9024 | | -685.938 | 50.047 | 2861.51 | 01 | 600 | 140 | |
| 509 | 9026 | | -170.61 | 12.448 | 711.731 | 01 | 600 | 140 | |
| 510 | 9028 | Valve | -328.868 | 23.9947 | 1371.93 | 01 | 600 | 140 | |

| Layout (797) | | | | | | | | | |
|--------------|------|----------|----------|---------|----------|------|------|------|------------|
| # | Node | Type | DX (mm) | DY (mm) | DZ (mm) | Matl | Sect | Load | Data |
| 511 | 9030 | | -205.595 | 15.0005 | 857.675 | 01 | 600 | 140 | Limit stop |
| 512 | 9030 | Location | | | | | | | Limit stop |
| 513 | 9050 | | -2913.85 | 209.33 | 12155.6 | 01 | 600 | 140 | Limit stop |
| 514 | 9050 | Location | | | | | | | Limit stop |
| 515 | 9060 | Bend | -442.825 | 36.1102 | 1847.32 | 01 | 600 | 140 | |
| 516 | K1 | | | | | | | | |
| 517 | 9070 | Bend | 7720.51 | | 2096.14 | 01 | 600 | 140 | |
| 518 | 9080 | | -999.689 | | 4027.79 | 01 | 600 | 140 | Limit stop |
| 519 | 9090 | Bend | -1004.57 | | 4026.58 | 01 | 600 | 140 | |
| 520 | 9100 | Bend | -7804.19 | | -1759.14 | 01 | 600 | 140 | |
| 521 | 9105 | | -465.591 | 47.5092 | 1841.46 | 01 | 600 | 140 | Limit stop |
| 522 | 9105 | Location | | | | | | | Limit stop |
| 523 | 9130 | | -3676.86 | 251.19 | 14542.4 | 01 | 600 | 140 | Limit stop |
| 524 | 9130 | Location | | | | | | | Limit stop |
| 525 | 9140 | | -3676.86 | 251.19 | 14542.4 | 01 | 600 | 140 | Limit stop |
| 526 | 9150 | Bend | -1005.01 | 70.33 | 3974.92 | 01 | 600 | 140 | |
| 527 | 9160 | | | 225.54 | 14500 | 01 | 600 | 140 | Anchor |
| 528 | 9170 | | | -703 | 15000 | 01 | 600 | 140 | Limit stop |
| 529 | 9180 | | | -703 | 15000 | 01 | 600 | 140 | Limit stop |
| 530 | 9180 | Location | | | | | | | Limit stop |
| 531 | 9190 | | | -703 | 15000 | 01 | 600 | 140 | Limit stop |
| 532 | 9210 | Bend | | -104 | 2200 | 01 | 600 | 140 | |
| 533 | K2 | | | | | | | | |
| 534 | 9220 | Bend | 8000 | | | 01 | 600 | 140 | |
| 535 | 9230 | | | -200 | 4300 | 01 | 600 | 140 | Limit stop |
| 536 | 9240 | Bend | | -200 | 4300 | 01 | 600 | 140 | |
| 537 | 9250 | Bend | -8000 | | | 01 | 600 | 140 | |
| 538 | 9260 | | | -104 | 2200 | 01 | 600 | 140 | Limit stop |
| 539 | 9280 | Bend | | -366 | 7500 | 01 | 600 | 140 | |
| 540 | 9290 | | 1658.26 | -277 | 5453.46 | 01 | 600 | 140 | Limit stop |
| 541 | 9300 | | 4363.84 | -704 | 14351.2 | 01 | 600 | 140 | Limit stop |
| 542 | 9310 | | 1134.6 | -178 | 3731.31 | 01 | 600 | 140 | |
| 543 | 9320 | Bend | 1399.34 | -178 | 4601.95 | 01 | 600 | 140 | |
| 544 | 9330 | | 3896.34 | 640 | 4562.74 | 01 | 600 | 140 | Anchor |
| 545 | 9340 | | 9733.43 | 1522 | 11413.2 | 01 | 600 | 140 | Limit stop |
| 546 | 9340 | Location | | | | | | | Limit stop |
| 547 | 9350 | | 9740.84 | 1522 | 11406.8 | 01 | 600 | 140 | Limit stop |
| 548 | 9370 | Bend | 1526.07 | | 1787.07 | 01 | 600 | 140 | |
| 549 | K3 | | | | | | | | |
| 550 | 9380 | Bend | 4567.81 | | -6567.73 | 01 | 600 | 140 | |
| 551 | 9390 | | 3812.7 | | 2390.25 | 01 | 600 | 140 | Limit stop |
| 552 | 9400 | Bend | 3812.7 | | 2390.25 | 01 | 600 | 140 | |
| 553 | 9410 | Bend | -4327.94 | | 7891.07 | 01 | 600 | 140 | |
| 554 | 9420 | | 2109.65 | 200 | 1319.78 | 01 | 600 | 140 | Limit stop |
| 555 | 9440 | | 12713.2 | 1522 | 7960.76 | 01 | 600 | 140 | Limit stop |
| 556 | 9440 | Location | | | | | | | Limit stop |
| 557 | 9450 | | 12720 | 1522 | 7949.98 | 01 | 600 | 140 | Limit stop |
| 558 | 9460 | | 12713.2 | 1522 | 7960.76 | 01 | 600 | 140 | Limit stop |

| Layout (797) | | | | | | | | | |
|--------------|------|----------|----------|---------|----------|------|------|------|------------|
| # | Node | Type | DX (mm) | DY (mm) | DZ (mm) | Matl | Sect | Load | Data |
| 559 | 9470 | Bend | 3390.2 | 426 | 2122.87 | 01 | 600 | 140 | |
| 560 | 9480 | | 14351.1 | 1505 | 2072.93 | 01 | 600 | 140 | Limit stop |
| 561 | 9490 | | 14845.9 | 1522 | 2144.41 | 01 | 600 | 140 | Anchor |
| 562 | 9490 | Location | | | | | | | |
| 563 | 9495 | Bend | 7521.93 | 773 | 1086.5 | 01 | 600 | 140 | |
| 564 | 9500 | | 7323.99 | 2959 | 1057.91 | 01 | 600 | 140 | Limit stop |
| 565 | 9502 | Bend | 4750.7 | 2135 | 686.212 | 01 | 600 | 140 | |
| 566 | 9505 | Bend | | 6000 | | 01 | 600 | 140 | |
| 567 | 9510 | | 5740.42 | | 829.173 | 01 | 600 | 140 | Limit stop |
| 568 | 9515 | | 8410.09 | | 1233.03 | 01 | 600 | 140 | Limit stop |
| 569 | 9520 | | 9894.23 | | 1450.62 | 01 | 600 | 140 | Limit stop |
| 570 | 9522 | | 8410.09 | | 1233.03 | 01 | 600 | 140 | Limit stop |
| 571 | 9525 | Bend | 6520.29 | | 955.958 | 01 | 600 | 140 | |
| 572 | 9527 | Bend | | -5000 | | 01 | 600 | 140 | |
| 573 | L6 | | | | | | | | |
| 574 | 9550 | | -1499.74 | 57 | 9684.56 | 01 | 600 | 140 | Limit stop |
| 575 | 9560 | | -2295.51 | 105 | 14823.3 | 01 | 600 | 140 | Limit stop |
| 576 | 9570 | | -2295.51 | 105 | 14823.3 | 01 | 600 | 140 | Anchor |
| 577 | 9580 | | -2295.51 | 105 | 14823.3 | 01 | 600 | 140 | Limit stop |
| 578 | 9590 | | -1530.34 | 70 | 9882.21 | 01 | 600 | 140 | Limit stop |
| 579 | 9600 | Bend | -765.17 | 35 | 4941.1 | 01 | 600 | 140 | |
| 580 | L7 | | | | | | | | |
| 581 | 9610 | Bend | 6969.2 | 2445 | 4320.91 | 01 | 600 | 140 | |
| 582 | 9615 | | 2719.69 | 60 | 1686.21 | 01 | 600 | 140 | Limit stop |
| 583 | 9615 | Location | | | | | | | Limit stop |
| 584 | 9620 | | 12748.5 | 130 | 7904.1 | 01 | 600 | 140 | Limit stop |
| 585 | 9640 | Bend | 1610.87 | 40 | 999.198 | 01 | 600 | 140 | |
| 586 | K4 | | | | | | | | |
| 587 | 9650 | Bend | 4534.95 | | -6590.47 | 01 | 600 | 140 | |
| 588 | 9660 | | 3486.06 | 257.305 | 2236.89 | 01 | 600 | 140 | Limit stop |
| 589 | 9670 | Bend | 3482.96 | 257.382 | 2241.71 | 01 | 600 | 140 | |
| 590 | 9680 | Bend | -4447.79 | | 7824.14 | 01 | 600 | 140 | |
| 591 | 9690 | | 1598.43 | 40 | 1018.74 | 01 | 600 | 140 | Limit stop |
| 592 | 9700 | | 11807.8 | 983 | 7521.69 | 01 | 600 | 140 | Limit stop |
| 593 | 9710 | | 11807.8 | 983 | 7521.69 | 01 | 600 | 140 | Anchor |
| 594 | K5 | | | | | | | | |
| 595 | 9720 | | 11663.8 | 983 | 7743.17 | 01 | 600 | 140 | Limit stop |
| 596 | 9730 | | 12330.3 | 1039 | 8185.64 | 01 | 600 | 140 | Limit stop |
| 597 | 9750 | Bend | 1832.88 | 200 | 1216.78 | 01 | 600 | 140 | |
| 598 | L8 | | | | | | | | |
| 599 | 9760 | Bend | 4534.95 | | -6590.47 | 01 | 600 | 140 | |
| 600 | 9770 | | 3197.59 | 220 | 2053.15 | 01 | 600 | 140 | Limit stop |
| 601 | 9780 | Bend | 3197.59 | 220 | 2053.15 | 01 | 600 | 140 | |
| 602 | 9790 | Bend | -4534.95 | | 6590.47 | 01 | 600 | 140 | |
| 603 | 9795 | | 1832.88 | 200 | 1216.78 | 01 | 600 | 140 | Limit stop |
| 604 | 9800 | | 12496.9 | 1053 | 8296.25 | 01 | 600 | 140 | Limit stop |
| 605 | 9810 | | 7498.13 | 632 | 4977.75 | 01 | 600 | 140 | Limit stop |
| 606 | 9830 | Bend | 4165.63 | 344 | 2765.42 | 01 | 600 | 140 | |

| Layout (797) | | | | | | | | | |
|--------------|-------|----------|----------|----------|----------|------|------|------|------------|
| # | Node | Type | DX (mm) | DY (mm) | DZ (mm) | Matl | Sect | Load | Data |
| 607 | 9840 | | -1702.2 | -90 | 13089.8 | 01 | 600 | 140 | Limit stop |
| 608 | 9850 | | -1934.32 | -104 | 14874.8 | 01 | 600 | 140 | Limit stop |
| 609 | 9850 | Location | | | | | | | Limit stop |
| 610 | 9910 | | -1875.29 | -104 | 14882.3 | 01 | 600 | 140 | Limit stop |
| 611 | 9920 | Bend | -1687.76 | -94 | 13394.1 | 01 | 600 | 140 | |
| 612 | L9 | | | | | | | | |
| 613 | 9930 | | 4470.13 | -35 | 2240.07 | 01 | 600 | 140 | Limit stop |
| 614 | 9940 | | 13410.4 | -104 | 6720.2 | 01 | 600 | 140 | Anchor |
| 615 | 9950 | | 13410.4 | -104 | 6720.2 | 01 | 600 | 140 | Limit stop |
| 616 | 9970 | | 8970.12 | -70 | 4420.06 | 01 | 600 | 140 | Limit stop |
| 617 | 9970 | Location | | | | | | | Limit stop |
| 618 | 9980 | | 11257.5 | -87 | 5547.17 | 01 | 600 | 140 | Limit stop |
| 619 | 9990 | Bend | 2691.04 | -300 | 1326.02 | 01 | 600 | 140 | |
| 620 | K7 | | | | | | | | |
| 621 | 10000 | Bend | 3519.99 | | -7183.99 | 01 | 600 | 140 | |
| 622 | 10010 | | 4951.92 | -300 | 2393.43 | 01 | 600 | 140 | Limit stop |
| 623 | 10020 | Bend | 4951.92 | -300 | 2393.43 | 01 | 600 | 140 | |
| 624 | 10030 | Bend | -3329.1 | | 7274.41 | 01 | 600 | 140 | |
| 625 | 10040 | | 2666.89 | -300 | 1373.94 | 01 | 600 | 140 | Limit stop |
| 626 | 10050 | | 10667.5 | -930 | 5495.77 | 01 | 600 | 140 | Anchor |
| 627 | 10055 | | 8889.62 | -775 | 4579.81 | 01 | 600 | 140 | Limit stop |
| 628 | 10060 | Bend | 4978.19 | -743 | 2564.69 | 01 | 600 | 140 | |
| 629 | L10 | | | | | | | | |
| 630 | 10100 | | -1868.21 | | 3761.62 | 01 | 600 | 140 | Limit stop |
| 631 | 10105 | | -4003.32 | | 8060.61 | 01 | 600 | 140 | Limit stop |
| 632 | 10110 | | -6672.19 | | 13434.4 | 01 | 600 | 140 | Limit stop |
| 633 | 10150 | | -6663.08 | -780.361 | 13416.2 | 01 | 600 | 140 | Limit stop |
| 634 | 10160 | Bend | -664.305 | -124.463 | 1339.11 | 01 | 600 | 140 | |
| 635 | L11 | | | | | | | | |
| 636 | 10170 | | 7450.81 | -684 | 7398.34 | 01 | 600 | 140 | Limit stop |
| 637 | 10180 | | 10636.6 | -977 | 10576.6 | 01 | 600 | 140 | Anchor |
| 638 | 10180 | Location | | | | | | | |
| 639 | 10190 | | 8870.01 | -814 | 8807.55 | 01 | 600 | 140 | Limit stop |
| 640 | 10200 | Bend | 2128.8 | -270 | 2113.81 | 01 | 600 | 140 | |
| 641 | K8 | | | | | | | | |
| 642 | 10210 | Bend | 5864.91 | | -5440.85 | 01 | 600 | 140 | |
| 643 | 10220 | | 3889.09 | -270 | 3889.09 | 01 | 600 | 140 | Limit stop |
| 644 | 10230 | Bend | 3889.09 | -270 | 3889.09 | 01 | 600 | 140 | |
| 645 | 10240 | Bend | -5369.82 | | 5930.01 | 01 | 600 | 140 | |
| 646 | 10250 | | 2122.82 | -270 | 2119.82 | 01 | 600 | 140 | Limit stop |
| 647 | 10260 | | 8915.84 | -770 | 8903.25 | 01 | 600 | 140 | Limit stop |
| 648 | 10260 | Location | | | | | | | Limit stop |
| 649 | 10270 | | 10614.1 | -895 | 10599.1 | 01 | 600 | 140 | Limit stop |
| 650 | 10280 | | 10614.1 | -895 | 10599.1 | 01 | 600 | 140 | Anchor |
| 651 | 10290 | | 10614.1 | -895 | 10599.1 | 01 | 600 | 140 | Limit stop |
| 652 | 10290 | Location | | | | | | | Limit stop |
| 653 | 10300 | Bend | 10755.6 | -908 | 10740.4 | 01 | 600 | 140 | |
| 654 | L12 | | | | | | | | |

| Layout (797) | | | | | | | | | |
|--------------|-------|----------|----------|---------|----------|------|------|------|------------|
| # | Node | Type | DX (mm) | DY (mm) | DZ (mm) | Matl | Sect | Load | Data |
| 655 | 10310 | | 1156.07 | -70 | 321.73 | 01 | 600 | 140 | Limit stop |
| 656 | 10320 | | 10597.3 | -656 | 2949.19 | 01 | 600 | 140 | Limit stop |
| 657 | 10320 | Location | | | | | | | |
| 658 | 10330 | | 10597.3 | -656 | 2949.19 | 01 | 600 | 140 | Limit stop |
| 659 | 10340 | Bend | 2408.47 | -150 | 670.271 | 01 | 600 | 140 | |
| 660 | K9 | | | | | | | | |
| 661 | 10350 | Bend | 2208.33 | | -7689.17 | 01 | 600 | 140 | |
| 662 | 10360 | | 3345.38 | -200 | 1028.81 | 01 | 600 | 140 | Limit stop |
| 663 | 10370 | Bend | 3345.38 | -200 | 1028.81 | 01 | 600 | 140 | |
| 664 | 10380 | Bend | -2111.03 | | 7716.45 | 01 | 600 | 140 | |
| 665 | 10390 | | 2405.03 | -150 | 682.509 | 01 | 600 | 140 | Limit stop |
| 666 | 10400 | | 15392.2 | -400 | 4368.06 | 01 | 600 | 140 | Limit stop |
| 667 | 10400 | Location | | | | | | | Limit stop |
| 668 | 10410 | | 15392.2 | -400 | 4368.06 | 01 | 600 | 140 | Limit stop |
| 669 | 10420 | | 15392.2 | -400 | 4368.06 | 01 | 600 | 140 | Anchor |
| 670 | 10430 | | 15392.2 | -400 | 4368.06 | 01 | 600 | 140 | Limit stop |
| 671 | 10440 | | 15392.2 | -400 | 4368.06 | 01 | 600 | 140 | Limit stop |
| 672 | 10440 | Location | | | | | | | Limit stop |
| 673 | 10450 | | 14141.6 | -366 | 4013.15 | 01 | 600 | 140 | Limit stop |
| 674 | 10460 | Bend | 2886.04 | -100 | 819.011 | 01 | 600 | 140 | |
| 675 | K10 | | | | | | | | |
| 676 | 10470 | Bend | 2256.9 | | -7675.05 | 01 | 600 | 140 | |
| 677 | 10480 | | 5294.36 | -100 | 1489.9 | 01 | 600 | 140 | Limit stop |
| 678 | 10490 | Bend | 5294.36 | -100 | 1489.9 | 01 | 600 | 140 | |
| 679 | 10500 | Bend | -2096.14 | | 7720.51 | 01 | 600 | 140 | |
| 680 | 10510 | | 2883.44 | -100 | 828.125 | 01 | 600 | 140 | Limit stop |
| 681 | 10520 | | 12014.3 | 70 | 3450.52 | 01 | 600 | 140 | Limit stop |
| 682 | 10520 | Location | | | | | | | Limit stop |
| 683 | 10530 | | 14417.2 | 80 | 4140.63 | 01 | 600 | 140 | Limit stop |
| 684 | 10540 | | 11533.7 | 66 | 3312.5 | 01 | 600 | 140 | Anchor |
| 685 | 10560 | | 11258.6 | 66 | 3183.31 | 01 | 600 | 140 | Limit stop |
| 686 | 10580 | | 12990.7 | 75 | 3673.05 | 01 | 600 | 140 | Limit stop |
| 687 | 10590 | | 14434.1 | 83 | 4081.17 | 01 | 600 | 140 | Limit stop |
| 688 | 10590 | Location | | | | | | | Limit stop |
| 689 | 10600 | | 14439.2 | 83 | 4063.35 | 01 | 600 | 140 | Limit stop |
| 690 | 10610 | Bend | 2406.53 | 40 | 677.226 | 01 | 600 | 140 | |
| 691 | K11 | | | | | | | | |
| 692 | 10620 | Bend | 2135.38 | | -7709.75 | 01 | 600 | 140 | |
| 693 | 10630 | | 3364.94 | 100 | 962.911 | 01 | 600 | 140 | Limit stop |
| 694 | 10640 | Bend | 3364.94 | 100 | 962.911 | 01 | 600 | 140 | |
| 695 | 10650 | Bend | -2071.75 | | 7727.08 | 01 | 600 | 140 | |
| 696 | 10660 | | 2404.38 | 100 | 684.822 | 01 | 600 | 140 | Limit stop |
| 697 | 10670 | | 14426.2 | 488 | 4108.93 | 01 | 600 | 140 | Limit stop |
| 698 | 10670 | Location | | | | | | | Limit stop |
| 699 | 10680 | | 14426.2 | 488 | 4108.93 | 01 | 600 | 140 | Anchor |
| 700 | 10690 | Bend | 14424.8 | 490 | 4108.53 | 01 | 600 | 140 | |
| 701 | L13 | | | | | | | | |
| 702 | 10700 | | 1789.59 | 242 | 2021.72 | 01 | 600 | 140 | Limit stop |

| Layout (797) | | | | | | | | | |
|--------------|-------|----------|----------|---------|----------|------|------|------|------------|
| # | Node | Type | DX (mm) | DY (mm) | DZ (mm) | Matl | Sect | Load | Data |
| 703 | 10705 | | 8616.54 | 1177 | 9734.23 | 01 | 600 | 140 | Limit stop |
| 704 | 10705 | Location | | | | | | | |
| 705 | 10710 | | 6362.99 | 846 | 7188.35 | 01 | 600 | 140 | Limit stop |
| 706 | 10710 | Location | | | | | | | Limit stop |
| 707 | 10720 | Bend | 1988.43 | 300 | 2246.36 | 01 | 600 | 140 | |
| 708 | K12 | | | | | | | | |
| 709 | 10730 | Bend | 6271.07 | | -4967.26 | 01 | 600 | 140 | |
| 710 | 10740 | | 3674.44 | 460 | 4092.49 | 01 | 600 | 140 | Limit stop |
| 711 | 10750 | Bend | 3674.44 | 460 | 4092.49 | 01 | 600 | 140 | |
| 712 | 10760 | Bend | -5822.31 | | 5486.41 | 01 | 600 | 140 | |
| 713 | 10770 | | 1993.09 | 300 | 2242.23 | 01 | 600 | 140 | Limit stop |
| 714 | 10770 | Location | | | | | | | Limit stop |
| 715 | 10780 | | 8364.73 | 1132 | 9422.92 | 01 | 600 | 140 | Limit stop |
| 716 | 10790 | | 9958.01 | 1356 | 11217.8 | 01 | 600 | 140 | Anchor |
| 717 | 10800 | | 9958.01 | 1347 | 11217.8 | 01 | 600 | 140 | Limit stop |
| 718 | 10810 | Bend | 3654 | 451 | 4110.75 | 01 | 600 | 140 | |
| 719 | L14 | | | | | | | | |
| 720 | 10820 | | 9033.21 | 516 | 4051.08 | 01 | 600 | 140 | Limit stop |
| 721 | 10830 | | 10036.9 | 573 | 4501.19 | 01 | 600 | 140 | Limit stop |
| 722 | 10830 | Location | | | | | | | Limit stop |
| 723 | 10840 | | 13686.7 | 782 | 6137.99 | 01 | 600 | 140 | Limit stop |
| 724 | 10850 | Bend | 2281.11 | 100 | 1023 | 01 | 600 | 140 | |
| 725 | K13 | | | | | | | | |
| 726 | 10860 | Bend | 3465.23 | | -7210.56 | 01 | 600 | 140 | |
| 727 | 10870 | | 3177.96 | 200 | 1466.48 | 01 | 600 | 140 | Limit stop |
| 728 | 10880 | Bend | 3177.96 | 200 | 1466.48 | 01 | 600 | 140 | |
| 729 | 10890 | Bend | -3142.67 | | 7356.88 | 01 | 600 | 140 | |
| 730 | 10900 | | 2267.62 | 100 | 1052.56 | 01 | 600 | 140 | Limit stop |
| 731 | 10910 | | 13605.7 | 782 | 6315.35 | 01 | 600 | 140 | Limit stop |
| 732 | 10920 | | 14512.8 | 834 | 6736.37 | 01 | 600 | 140 | Anchor |
| 733 | 10930 | Bend | 14512.8 | 834 | 6736.37 | 01 | 600 | 140 | |
| 734 | L15 | | | | | | | | |
| 735 | 10940 | | 799.47 | 255 | 1500.28 | 01 | 600 | 140 | Limit stop |
| 736 | 10950 | | 7148.2 | 2280 | 13414.3 | 01 | 600 | 140 | Limit stop |
| 737 | 10960 | | 1410.83 | 400 | 2647.56 | 01 | 600 | 140 | |
| 738 | K14 | | | | | | | | |
| 739 | 10980 | | 2481.66 | 70 | 4908.29 | 01 | 600 | 140 | |
| 740 | 10990 | | 2481.66 | 70 | 4908.29 | 01 | 600 | 140 | |
| 741 | 11010 | | 1377.53 | 190 | 2665.03 | 01 | 600 | 140 | Limit stop |
| 742 | 11020 | Bend | 4913.2 | 946 | 9505.28 | 01 | 600 | 140 | |
| 743 | L16 | | | | | | | | |
| 744 | 11030 | | 1888.05 | 170 | 212.738 | 01 | 600 | 140 | Limit stop |
| 745 | 11070 | | 14905.7 | | 1679.51 | 01 | 600 | 140 | Limit stop |
| 746 | 11080 | | 14905.7 | | 1679.51 | 01 | 600 | 140 | Limit stop |
| 747 | 11120 | Bend | 11924.5 | | 1343.61 | 01 | 600 | 140 | |
| 748 | L17 | | | | | | | | |
| 749 | 11130 | | 1212.13 | 296.032 | 3800.41 | 01 | 600 | 140 | Limit stop |
| 750 | 11140 | | 3329.07 | 813.636 | 10439.2 | 01 | 600 | 140 | Limit stop |

| Layout (797) | | | | | | | | | |
|--------------|-------------------------------|----------|----------|----------|----------|------|------|------|------------|
| # | Node | Type | DX (mm) | DY (mm) | DZ (mm) | Matl | Sect | Load | Data |
| 751 | 11150 | Bend | 605.982 | 148.104 | 1900.23 | 01 | 600 | 140 | |
| 752 | 11160 | | 2481.66 | | 302.398 | 01 | 600 | 140 | Limit stop |
| 753 | 11170 | | 496.327 | | 60.479 | 01 | 600 | 140 | |
| 754 | 11175 | Valve | 1091.93 | | 133.055 | 01 | 600 | 140 | |
| 755 | 11180 | | 7941.26 | | 967.666 | 01 | 600 | 140 | Limit stop |
| 756 | 11185 | | 10919.2 | | 1330.54 | 01 | 600 | 140 | Limit stop |
| 757 | 11190 | | 10919.2 | | 1330.54 | 01 | 600 | 140 | Limit stop |
| 758 | 11195 | | 10919.2 | | 1330.54 | 01 | 600 | 140 | Limit stop |
| 759 | 11195 | Location | | | | | | | Limit stop |
| 760 | 11200 | | 11911.9 | | 1451.5 | 01 | 600 | 140 | Anchor |
| 761 | propoj | | | | | | | | |
| 762 | 9024 | From | | | | | | | |
| 763 | 12000 | Bend | | 4000 | | 01 | 600 | 140 | |
| 764 | 12010 | Bend | -280 | | -4120 | 01 | 600 | 140 | |
| 765 | 12020 | | | -2000 | | 01 | 600 | 140 | |
| 766 | 12030 | Valve | | -1397 | | 01 | 600 | 140 | |
| 767 | 3020 | | | | | 01 | 600 | 140 | |
| 768 | napojení | | | | | | | | |
| 769 | 10 | From | | | | | | | |
| 770 | 12100 | Bend | 652.608 | -47.6152 | -2722.47 | 01 | 600 | 70 | |
| 771 | 12110 | Bend | | 3600 | | 01 | 600 | 70 | |
| 772 | 12120 | Bend | 3800 | | 1000 | 01 | 600 | 70 | |
| 773 | 9012 | | | | | 01 | 600 | 70 | |
| 774 | Propojení - horkovod Chomutov | | | | | | | | |
| 775 | 3006 | From | | | | | | | |
| 776 | 12500 | | -3811 | | -940 | 01 | 500 | 140 | |
| 777 | 12510 | Valve | -326 | | -80 | 01 | 500 | 140 | |
| 778 | 12520 | | -1206 | | -297 | 01 | 500 | 140 | Limit stop |
| 779 | 12530 | | -9320 | -1000 | -2390 | 01 | 500 | 140 | Limit stop |
| 780 | 12540 | Bend | -3484 | -300 | -859 | 01 | 500 | 140 | |
| 781 | 12550 | | | | -6512 | 01 | 500 | 140 | Limit stop |
| 782 | 12560 | Bend | | | -1905 | 01 | 500 | 140 | |
| 783 | 12580 | Bend | -8387 | -3000 | | 01 | 500 | 140 | |
| 784 | 12590 | | | | -4000 | 01 | 500 | 140 | Anchor |
| 785 | 9010 | From | | | | | | | |
| 786 | 12700 | Bend | | 3000 | | 01 | 500 | 70 | |
| 787 | 12710 | Bend | -3423.05 | | -842.544 | 01 | 500 | 70 | |
| 788 | 12720 | Bend | | -3000 | | 01 | 500 | 70 | |
| 789 | 12730 | | -1456.53 | | -358.507 | 01 | 500 | 70 | |
| 790 | 12740 | Valve | -326 | | -80 | 01 | 500 | 70 | |
| 791 | 12750 | | -1206 | | -297 | 01 | 500 | 70 | Limit stop |
| 792 | 12760 | | -9320 | -1000 | -2390 | 01 | 500 | 70 | Limit stop |
| 793 | 12770 | Bend | -2650 | -300 | -653 | 01 | 500 | 70 | |
| 794 | 12780 | | | | -5653 | 01 | 500 | 70 | Limit stop |
| 795 | 12790 | Bend | | | -3000 | 01 | 500 | 70 | |
| 796 | 12810 | Bend | -8387 | -3000 | | 01 | 500 | 70 | |
| 797 | 12820 | | | | -3000 | 01 | 500 | 70 | Anchor |

| Anchors (45) | | | | | | | | | | | | | |
|--------------|-----------------|-----------------|-----------------|---------------------|---------------------|---------------------|----------|---|---|----|----|----|-----------|
| Node | KX/kx (N/mm) | KY/ky (N/mm) | KZ/kz (N/mm) | KXX/kxx (Nm/deg) | KYY/kyy (Nm/deg) | KZZ/kzz (Nm/deg) | Releases | | | | | | Anchor in |
| | | | | | | | X | Y | Z | XX | YY | ZZ | |
| 230 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 490 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 570 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 730 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 940 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 1050 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 1180 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 1360 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 1540 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 1870 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 2200 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 3000 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 3160 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 3330 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 3490 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 3570 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 3705 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 3940 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 4050 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 4180 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 4280 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 4420 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 4540 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 4680 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 4790 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 4920 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 5200 | Rigid | Rigid | Rigid | Rigid | Rigid | Rigid | | | | | | | GCS |
| 9000 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 9160 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 9330 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 9490 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 9570 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 9710 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 9940 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 10050 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 10180 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 10280 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 10420 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 10540 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 10680 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 10790 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 10920 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 11200 | Rigid | Rigid | Rigid | Rigid | Rigid | Rigid | | | | | | | GCS |
| 12590 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| 12820 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | 1.000E+5 | | | | | | | GCS |
| | | | | | | | | | | | | | |

| Bends (209) | | | | | | | | | | |
|-------------|-------------|-----------|----------|-----------|-------------|-----|-----------|-------------|-----------|-------------|
| Bend Node | Radius (mm) | Rad. Type | Thk (mm) | Bend Matl | Flex. Fact. | SIF | Int. Node | Angle (deg) | Int. Node | Angle (deg) |
| 30 | 1219 | Long | | | | | | | | |
| 40 | 1219 | Long | | | | | | | | |
| 60 | 2400 | User | | | | | | | | |
| 70 | 2400 | User | | | | | | | | |
| 90 | 2400 | User | | | | | | | | |
| 100 | 2400 | User | | | | | | | | |
| 150 | 2400 | User | | | | | | | | |
| 280 | 2400 | User | | | | | | | | |
| 320 | 2400 | User | | | | | | | | |
| 370 | 2400 | User | | | | | | | | |
| 380 | 2400 | User | | | | | | | | |
| 400 | 2400 | User | | | | | | | | |
| 410 | 2400 | User | | | | | | | | |
| 470 | 2400 | User | | | | | | | | |
| 495 | 2400 | User | | | | | | | | |
| 502 | 2400 | User | | | | | | | | |
| 505 | 2400 | User | | | | | | | | |
| 525 | 2400 | User | | | | | | | | |
| 527 | 2400 | User | | | | | | | | |
| 600 | 2400 | User | | | | | | | | |
| 610 | 2400 | User | | | | | | | | |
| 640 | 2400 | User | | | | | | | | |
| 650 | 2400 | User | | | | | | | | |
| 670 | 2400 | User | | | | | | | | |
| 680 | 2400 | User | | | | | | | | |
| 830 | 2400 | User | | | | | | | | |
| 920 | 2400 | User | | | | | | | | |
| 990 | 2400 | User | | | | | | | | |
| 1010 | 2400 | User | | | | | | | | |
| 1020 | 2400 | User | | | | | | | | |
| 1025 | 2400 | User | | | | | | | | |
| 1060 | 2400 | User | | | | | | | | |
| 1140 | 2400 | User | | | | | | | | |
| 1200 | 2400 | User | | | | | | | | |
| 1210 | 2400 | User | | | | | | | | |
| 1230 | 2400 | User | | | | | | | | |
| 1240 | 2400 | User | | | | | | | | |
| 1300 | 2400 | User | | | | | | | | |
| 1460 | 2400 | User | | | | | | | | |
| 1470 | 2400 | User | | | | | | | | |
| 1490 | 2400 | User | | | | | | | | |
| 1500 | 2400 | User | | | | | | | | |
| 1690 | 2400 | User | | | | | | | | |
| 1720 | 2400 | User | | | | | | | | |
| 1730 | 2400 | User | | | | | | | | |
| 1750 | 2400 | User | | | | | | | | |
| 1760 | 2400 | User | | | | | | | | |

| Bends (209) | | | | | | | | | | |
|-------------|-------------|-----------|----------|-----------|-------------|-----|-----------|-------------|-----------|-------------|
| Bend Node | Radius (mm) | Rad. Type | Thk (mm) | Bend Matl | Flex. Fact. | SIF | Int. Node | Angle (deg) | Int. Node | Angle (deg) |
| 1810 | 2400 | User | | | | | | | | |
| 1930 | 2400 | User | | | | | | | | |
| 2020 | 2400 | User | | | | | | | | |
| 2120 | 2400 | User | | | | | | | | |
| 2142 | 2400 | User | | | | | | | | |
| 2145 | 2400 | User | | | | | | | | |
| 3035 | 2400 | User | | | | | | | | |
| 3045 | 2400 | User | | | | | | | | |
| 3060 | 1800 | User | | | | | | | | |
| 3070 | 1800 | User | | | | | | | | |
| 3090 | 1800 | User | | | | | | | | |
| 3100 | 1800 | User | | | | | | | | |
| 3150 | 1800 | User | | | | | | | | |
| 3210 | 1800 | User | | | | | | | | |
| 3220 | 1800 | User | | | | | | | | |
| 3240 | 1800 | User | | | | | | | | |
| 3250 | 1800 | User | | | | | | | | |
| 3280 | 1800 | User | | | | | | | | |
| 3320 | 1800 | User | | | | | | | | |
| 3370 | 1800 | User | | | | | | | | |
| 3380 | 1800 | User | | | | | | | | |
| 3400 | 1800 | User | | | | | | | | |
| 3410 | 1800 | User | | | | | | | | |
| 3470 | 1800 | User | | | | | | | | |
| 3495 | 1800 | User | | | | | | | | |
| 3502 | 1800 | User | | | | | | | | |
| 3505 | 1800 | User | | | | | | | | |
| 3525 | 1800 | User | | | | | | | | |
| 3527 | 1800 | User | | | | | | | | |
| 3600 | 1800 | User | | | | | | | | |
| 3610 | 1800 | User | | | | | | | | |
| 3640 | 1800 | User | | | | | | | | |
| 3650 | 1800 | User | | | | | | | | |
| 3670 | 1800 | User | | | | | | | | |
| 3680 | 1800 | User | | | | | | | | |
| 3740 | 1800 | User | | | | | | | | |
| 3750 | 1800 | User | | | | | | | | |
| 3770 | 1800 | User | | | | | | | | |
| 3780 | 1800 | User | | | | | | | | |
| 3830 | 1800 | User | | | | | | | | |
| 3920 | 1800 | User | | | | | | | | |
| 3990 | 1800 | User | | | | | | | | |
| 4000 | 1800 | User | | | | | | | | |
| 4020 | 1800 | User | | | | | | | | |
| 4030 | 1800 | User | | | | | | | | |
| 4060 | 1800 | User | | | | | | | | |
| 4160 | 1800 | User | | | | | | | | |

| Bends (209) | | | | | | | | | | |
|-------------|-------------|-----------|----------|-----------|-------------|-----|-----------|-------------|-----------|-------------|
| Bend Node | Radius (mm) | Rad. Type | Thk (mm) | Bend Matl | Flex. Fact. | SIF | Int. Node | Angle (deg) | Int. Node | Angle (deg) |
| 4200 | 1800 | User | | | | | | | | |
| 4210 | 1800 | User | | | | | | | | |
| 4230 | 1800 | User | | | | | | | | |
| 4240 | 1800 | User | | | | | | | | |
| 4300 | 1800 | User | | | | | | | | |
| 4340 | 1800 | User | | | | | | | | |
| 4350 | 1800 | User | | | | | | | | |
| 4370 | 1800 | User | | | | | | | | |
| 4380 | 1800 | User | | | | | | | | |
| 4460 | 1800 | User | | | | | | | | |
| 4470 | 1800 | User | | | | | | | | |
| 4490 | 1800 | User | | | | | | | | |
| 4500 | 1800 | User | | | | | | | | |
| 4610 | 1800 | User | | | | | | | | |
| 4620 | 1800 | User | | | | | | | | |
| 4640 | 1800 | User | | | | | | | | |
| 4650 | 1800 | User | | | | | | | | |
| 4690 | 1800 | User | | | | | | | | |
| 4720 | 1800 | User | | | | | | | | |
| 4730 | 1800 | User | | | | | | | | |
| 4750 | 1800 | User | | | | | | | | |
| 4760 | 1800 | User | | | | | | | | |
| 4810 | 1800 | User | | | | | | | | |
| 4850 | 1800 | User | | | | | | | | |
| 4860 | 1800 | User | | | | | | | | |
| 4880 | 1800 | User | | | | | | | | |
| 4890 | 1800 | User | | | | | | | | |
| 4930 | 1800 | User | | | | | | | | |
| 5020 | 1800 | User | | | | | | | | |
| 5120 | 1800 | User | | | | | | | | |
| 5150 | 1800 | User | | | | | | | | |
| 9060 | 1800 | User | | | | | | | | |
| 9070 | 1800 | User | | | | | | | | |
| 9090 | 1800 | User | | | | | | | | |
| 9100 | 1800 | User | | | | | | | | |
| 9150 | 1800 | User | | | | | | | | |
| 9210 | 1800 | User | | | | | | | | |
| 9220 | 1800 | User | | | | | | | | |
| 9240 | 1800 | User | | | | | | | | |
| 9250 | 1800 | User | | | | | | | | |
| 9280 | 1800 | User | | | | | | | | |
| 9320 | 1800 | User | | | | | | | | |
| 9370 | 1800 | User | | | | | | | | |
| 9380 | 1800 | User | | | | | | | | |
| 9400 | 1800 | User | | | | | | | | |
| 9410 | 1800 | User | | | | | | | | |
| 9470 | 1800 | User | | | | | | | | |

| Bends (209) | | | | | | | | | | |
|-------------|-------------|-----------|----------|-----------|-------------|-----|-----------|-------------|-----------|-------------|
| Bend Node | Radius (mm) | Rad. Type | Thk (mm) | Bend Matl | Flex. Fact. | SIF | Int. Node | Angle (deg) | Int. Node | Angle (deg) |
| 9495 | 1800 | User | | | | | | | | |
| 9502 | 1800 | User | | | | | | | | |
| 9505 | 1800 | User | | | | | | | | |
| 9525 | 1800 | User | | | | | | | | |
| 9527 | 1800 | User | | | | | | | | |
| 9600 | 1800 | User | | | | | | | | |
| 9610 | 1800 | User | | | | | | | | |
| 9640 | 1800 | User | | | | | | | | |
| 9650 | 1800 | User | | | | | | | | |
| 9670 | 1800 | User | | | | | | | | |
| 9680 | 1800 | User | | | | | | | | |
| 9750 | 1800 | User | | | | | | | | |
| 9760 | 1800 | User | | | | | | | | |
| 9780 | 1800 | User | | | | | | | | |
| 9790 | 1800 | User | | | | | | | | |
| 9830 | 1800 | User | | | | | | | | |
| 9920 | 1800 | User | | | | | | | | |
| 9990 | 1800 | User | | | | | | | | |
| 10000 | 1800 | User | | | | | | | | |
| 10020 | 1800 | User | | | | | | | | |
| 10030 | 1800 | User | | | | | | | | |
| 10060 | 1800 | User | | | | | | | | |
| 10160 | 1800 | User | | | | | | | | |
| 10200 | 1800 | User | | | | | | | | |
| 10210 | 1800 | User | | | | | | | | |
| 10230 | 1800 | User | | | | | | | | |
| 10240 | 1800 | User | | | | | | | | |
| 10300 | 1800 | User | | | | | | | | |
| 10340 | 1800 | User | | | | | | | | |
| 10350 | 1800 | User | | | | | | | | |
| 10370 | 1800 | User | | | | | | | | |
| 10380 | 1800 | User | | | | | | | | |
| 10460 | 1800 | User | | | | | | | | |
| 10470 | 1800 | User | | | | | | | | |
| 10490 | 1800 | User | | | | | | | | |
| 10500 | 1800 | User | | | | | | | | |
| 10610 | 1800 | User | | | | | | | | |
| 10620 | 1800 | User | | | | | | | | |
| 10640 | 1800 | User | | | | | | | | |
| 10650 | 1800 | User | | | | | | | | |
| 10690 | 1800 | User | | | | | | | | |
| 10720 | 1800 | User | | | | | | | | |
| 10730 | 1800 | User | | | | | | | | |
| 10750 | 1800 | User | | | | | | | | |
| 10760 | 1800 | User | | | | | | | | |
| 10810 | 1800 | User | | | | | | | | |
| 10850 | 1800 | User | | | | | | | | |

| Bends (209) | | | | | | | | | | |
|-------------------|----------------|----------------|-----------|-----------|-------------|-----------------|------------------|-------------|-----------|-------------|
| Bend Node | Radius (mm) | Rad. Type | Thk (mm) | Bend Matl | Flex. Fact. | SIF | Int. Node | Angle (deg) | Int. Node | Angle (deg) |
| 10860 | 1800 | User | | | | | | | | |
| 10880 | 1800 | User | | | | | | | | |
| 10890 | 1800 | User | | | | | | | | |
| 10930 | 1800 | User | | | | | | | | |
| 11020 | 1800 | User | | | | | | | | |
| 11120 | 1800 | User | | | | | | | | |
| 11150 | 1800 | User | | | | | | | | |
| 12000 | 1800 | User | | | | | | | | |
| 12010 | 1800 | User | | | | | | | | |
| 12100 | 1800 | User | | | | | | | | |
| 12110 | 1800 | User | | | | | | | | |
| 12120 | 1800 | User | | | | | | | | |
| 12540 | 1500 | User | | | | | | | | |
| 12560 | 1500 | User | | | | | | | | |
| 12580 | 1500 | User | | | | | | | | |
| 12700 | 1500 | User | | | | | | | | |
| 12710 | 1500 | User | | | | | | | | |
| 12720 | 1500 | User | | | | | | | | |
| 12770 | 1500 | User | | | | | | | | |
| 12790 | 1500 | User | | | | | | | | |
| 12810 | 1500 | User | | | | | | | | |
| Limit stops (393) | | | | | | | | | | |
| Node | Lower Lmt (mm) | Upper Lmt (mm) | Direction | | | Friction Coeff. | Stiffness (N/mm) | CNode | | |
| | | | X comp | Y comp | Z comp | | | | | |
| 20 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | | | |
| 50 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | | | |
| 50 | -5.000 | 5.000 | -0.972 | | -0.233 | 0.300 | 1.000E+5 | | | |
| 80 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | | | |
| 110 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | | | |
| 110 | -5.000 | 5.000 | -0.969 | | -0.245 | 0.300 | 1.000E+5 | | | |
| 130 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | | | |
| 130 | -5.000 | 5.000 | -0.969 | | -0.245 | 0.300 | 1.000E+5 | | | |
| 140 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | | | |
| 160 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | | | |
| 170 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | | | |
| 180 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | | | |
| 180 | -5.000 | 5.000 | -1.000 | | | 0.300 | 1.000E+5 | | | |
| 290 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | | | |
| 300 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | | | |
| 330 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | | | |
| 340 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | | | |
| 340 | -5.000 | 20.000 | -0.761 | | 0.649 | 0.300 | 1.000E+5 | | | |
| 350 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | | | |
| 390 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | | | |
| 420 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | | | |
| 440 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | | | |
| 440 | -5.000 | 20.000 | -0.531 | | 0.848 | 0.300 | 1.000E+5 | | | |

| Limit stops (393) | | | | | | | | |
|-------------------|-------------------|-------------------|-----------|--------|--------|--------------------|---------------------|-------|
| Node | Lower Lmt (mm) | Upper Lmt (mm) | Direction | | | Friction Coeff. | Stiffness (N/mm) | CNode |
| | | | X comp | Y comp | Z comp | | | |
| 450 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 460 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 480 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 500 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 507 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 510 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 520 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 522 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 550 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 560 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 580 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 590 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 615 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 615 | -5.000 | 5.000 | -0.527 | | 0.850 | 0.300 | 1.000E+5 | |
| 620 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 660 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 690 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 700 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 710 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 710 | -5.000 | 5.000 | -0.537 | | 0.843 | 0.300 | 1.000E+5 | |
| 720 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 740 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 750 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 840 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 850 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 850 | -5.000 | 5.000 | -0.992 | | -0.129 | 0.300 | 1.000E+5 | |
| 910 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 930 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 950 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 970 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 970 | -5.000 | 5.000 | -0.442 | | 0.897 | 0.300 | 1.000E+5 | |
| 980 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 1015 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 1040 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 1055 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 1100 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 1105 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 1110 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 1130 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 1170 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 1190 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 1220 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 1250 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 1260 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 1260 | -5.000 | 5.000 | -0.707 | | 0.708 | 0.300 | 1.000E+5 | |
| 1270 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 1280 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |

| Limit stops (393) | | | | | | | | |
|-------------------|-------------------|-------------------|-----------|--------|--------|--------------------|---------------------|-------|
| Node | Lower Lmt (mm) | Upper Lmt (mm) | Direction | | | Friction Coeff. | Stiffness (N/mm) | CNode |
| | | | X comp | Y comp | Z comp | | | |
| 1290 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 1310 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 1320 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 1400 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 1400 | -5.000 | 5.000 | -0.273 | | 0.962 | 0.300 | 1.000E+5 | |
| 1410 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 1420 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 1420 | -5.000 | 5.000 | -0.273 | | 0.962 | 0.300 | 1.000E+5 | |
| 1430 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 1440 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 1440 | -5.000 | 5.000 | -0.273 | | 0.962 | 0.300 | 1.000E+5 | |
| 1450 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 1480 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 1510 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 1520 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 1520 | -5.000 | 5.000 | -0.276 | | 0.961 | 0.300 | 1.000E+5 | |
| 1530 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 1560 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 1570 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 1580 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 1580 | -5.000 | 5.000 | -0.272 | | 0.962 | 0.300 | 1.000E+5 | |
| 1590 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 1630 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 1630 | -5.000 | 5.000 | -0.275 | | 0.961 | 0.300 | 1.000E+5 | |
| 1670 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 1700 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 1705 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 1710 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 1710 | -5.000 | 5.000 | -0.749 | | 0.663 | 0.300 | 1.000E+5 | |
| 1740 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 1770 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 1770 | -5.000 | 5.000 | -0.747 | | 0.664 | 0.300 | 1.000E+5 | |
| 1780 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 1790 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 1800 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 1820 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 1830 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 1830 | -5.000 | 5.000 | -0.409 | | 0.912 | 0.300 | 1.000E+5 | |
| 1910 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 1920 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 1920 | -5.000 | 5.000 | -0.421 | | 0.907 | 0.300 | 1.000E+5 | |
| 1940 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 1950 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 2010 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 2030 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 2070 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 2080 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |

| Limit stops (393) | | | | | | | | |
|-------------------|-------------------|-------------------|-----------|--------|--------|--------------------|---------------------|-------|
| Node | Lower Lmt (mm) | Upper Lmt (mm) | Direction | | | Friction Coeff. | Stiffness (N/mm) | CNode |
| | | | X comp | Y comp | Z comp | | | |
| 2130 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 2140 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 2160 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 2180 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 2185 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 2190 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 2195 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 2195 | -5.000 | 5.000 | -0.121 | | 0.993 | 0.300 | 1.000E+5 | |
| 3018 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 3030 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 3030 | -5.000 | 5.000 | -0.972 | | -0.233 | 0.300 | 1.000E+5 | |
| 3050 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 3050 | -5.000 | 5.000 | -0.972 | | -0.233 | 0.300 | 1.000E+5 | |
| 3080 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 3105 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 3105 | -5.000 | 5.000 | -0.969 | | -0.245 | 0.300 | 1.000E+5 | |
| 3130 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 3130 | -5.000 | 5.000 | -0.969 | | -0.245 | 0.300 | 1.000E+5 | |
| 3140 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 3170 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 3180 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 3180 | -5.000 | 5.000 | -1.000 | | | 0.300 | 1.000E+5 | |
| 3190 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 3230 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 3260 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 3290 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 3300 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 3340 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 3340 | -5.000 | 5.000 | -0.761 | | 0.649 | 0.300 | 1.000E+5 | |
| 3350 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 3390 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 3420 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 3440 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 3440 | -5.000 | 30.000 | -0.531 | | 0.848 | 0.300 | 1.000E+5 | |
| 3450 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 3460 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 3480 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 3500 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 3510 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 3520 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 3522 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 3524 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 3550 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 3560 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 3580 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 3590 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 3615 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |

| Limit stops (393) | | | | | | | | |
|-------------------|-------------------|-------------------|-----------|--------|--------|--------------------|---------------------|-------|
| Node | Lower Lmt (mm) | Upper Lmt (mm) | Direction | | | Friction Coeff. | Stiffness (N/mm) | CNode |
| | | | X comp | Y comp | Z comp | | | |
| 3615 | -5.000 | 5.000 | -0.527 | | 0.850 | 0.300 | 1.000E+5 | |
| 3620 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 3660 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 3690 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 3700 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 3720 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 3730 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 3760 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 3790 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 3800 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 3810 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 3840 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 3850 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 3850 | -5.000 | 5.000 | -0.992 | | -0.129 | 0.300 | 1.000E+5 | |
| 3860 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 3930 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 3950 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 3970 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 3970 | -5.000 | 5.000 | -0.442 | | 0.897 | 0.300 | 1.000E+5 | |
| 3980 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4010 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 4040 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4055 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4100 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4105 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4110 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4150 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 4170 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4190 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4220 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 4250 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4260 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4260 | -5.000 | 5.000 | -0.707 | | 0.708 | 0.300 | 1.000E+5 | |
| 4270 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4290 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4290 | -15.000 | 15.000 | -0.707 | | 0.708 | 0.300 | 1.000E+5 | |
| 4310 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4320 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4330 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4360 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 4390 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4400 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4400 | -5.000 | 5.000 | -0.273 | | 0.962 | 0.300 | 1.000E+5 | |
| 4410 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4430 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4440 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4440 | -5.000 | 5.000 | -0.273 | | 0.962 | 0.300 | 1.000E+5 | |

| Limit stops (393) | | | | | | | | |
|-------------------|-------------------|-------------------|-----------|--------|--------|--------------------|---------------------|-------|
| Node | Lower Lmt (mm) | Upper Lmt (mm) | Direction | | | Friction Coeff. | Stiffness (N/mm) | CNode |
| | | | X comp | Y comp | Z comp | | | |
| 4450 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4480 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 4510 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4520 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4520 | -5.000 | 5.000 | -0.276 | | 0.961 | 0.300 | 1.000E+5 | |
| 4530 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4560 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4580 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4590 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4590 | -5.000 | 5.000 | -0.272 | | 0.962 | 0.300 | 1.000E+5 | |
| 4600 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4630 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 4660 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4670 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4670 | -5.000 | 5.000 | -0.274 | | 0.962 | 0.300 | 1.000E+5 | |
| 4700 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4705 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4710 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4710 | -5.000 | 5.000 | -0.749 | | 0.663 | 0.300 | 1.000E+5 | |
| 4740 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 4770 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4770 | -5.000 | 5.000 | -0.747 | | 0.664 | 0.300 | 1.000E+5 | |
| 4780 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4800 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4820 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4830 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4830 | -5.000 | 5.000 | -0.409 | | 0.912 | 0.300 | 1.000E+5 | |
| 4840 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4870 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 4900 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4910 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4940 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 4950 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 5010 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 5030 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 5070 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 5080 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 5130 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 5140 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 5160 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 5180 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 5185 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 5190 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 5195 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 5195 | -5.000 | 5.000 | -0.121 | | 0.993 | 0.300 | 1.000E+5 | |
| 9018 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 9030 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |

| Limit stops (393) | | | | | | | | |
|-------------------|-------------------|-------------------|-----------|--------|--------|--------------------|---------------------|-------|
| Node | Lower Lmt (mm) | Upper Lmt (mm) | Direction | | | Friction Coeff. | Stiffness (N/mm) | CNode |
| | | | X comp | Y comp | Z comp | | | |
| 9030 | 5.000 | 5.000 | -0.972 | | -0.233 | 0.300 | 1.000E+5 | |
| 9050 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 9050 | -5.000 | 5.000 | -0.972 | | -0.233 | 0.300 | 1.000E+5 | |
| 9080 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 9105 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 9105 | -5.000 | 5.000 | -0.969 | | -0.245 | 0.300 | 1.000E+5 | |
| 9130 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 9130 | -5.000 | 5.000 | -0.969 | | -0.245 | 0.300 | 1.000E+5 | |
| 9140 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 9170 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 9180 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 9180 | -5.000 | 5.000 | -1.000 | | | 0.300 | 1.000E+5 | |
| 9190 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 9230 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 9260 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 9290 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 9300 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 9340 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 9340 | -5.000 | 5.000 | -0.761 | | 0.649 | 0.300 | 1.000E+5 | |
| 9350 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 9390 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 9420 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 9440 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 9440 | -5.000 | 30.000 | -0.530 | | 0.848 | 0.300 | 1.000E+5 | |
| 9450 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 9460 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 9480 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 9500 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 9510 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 9515 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 9520 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 9522 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 9550 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 9560 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 9580 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 9590 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 9615 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 9615 | -5.000 | 5.000 | -0.527 | | 0.850 | 0.300 | 1.000E+5 | |
| 9620 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 9660 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 9690 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 9700 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 9720 | 0.000 | None | | 1.000 | | 0.300 | Rigid | |
| 9730 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 9770 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 9795 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 9800 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |

| Limit stops (393) | | | | | | | | |
|-------------------|-------------------|-------------------|-----------|--------|--------|--------------------|---------------------|-------|
| Node | Lower Lmt (mm) | Upper Lmt (mm) | Direction | | | Friction Coeff. | Stiffness (N/mm) | CNode |
| | | | X comp | Y comp | Z comp | | | |
| 9810 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 9840 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 9850 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 9850 | -5.000 | 5.000 | -0.992 | | -0.129 | 0.300 | 1.000E+5 | |
| 9910 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 9930 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 9950 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 9970 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 9970 | -5.000 | 5.000 | -0.442 | | 0.897 | 0.300 | 1.000E+5 | |
| 9980 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10010 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10040 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10055 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10100 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10105 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10110 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10150 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 10170 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10190 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10220 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10250 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10260 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10260 | -5.000 | 5.000 | -0.707 | | 0.708 | 0.300 | 1.000E+5 | |
| 10270 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10290 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10290 | -15.000 | 15.000 | -0.707 | | 0.708 | 0.300 | 1.000E+5 | |
| 10310 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10320 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10330 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10360 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 10390 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10400 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10400 | -5.000 | 5.000 | -0.273 | | 0.962 | 0.300 | 1.000E+5 | |
| 10410 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10430 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10440 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10440 | -5.000 | 5.000 | -0.273 | | 0.962 | 0.300 | 1.000E+5 | |
| 10450 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10480 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 10510 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10520 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10520 | -5.000 | 5.000 | -0.276 | | 0.961 | 0.300 | 1.000E+5 | |
| 10530 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10560 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10580 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10590 | -5.000 | 5.000 | -0.272 | | 0.962 | 0.300 | 1.000E+5 | |
| 10590 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |

| Limit stops (393) | | | | | | | | |
|-------------------|-------------------|-------------------|--------------|-------------|--------------|---------------------|---------------------|-------|
| Node | Lower Lmt (mm) | Upper Lmt (mm) | Direction | | | Friction Coeff. | Stiffness (N/mm) | CNode |
| | | | X comp | Y comp | Z comp | | | |
| 10600 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10630 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 10660 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10670 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10670 | -5.000 | 5.000 | -0.274 | | 0.962 | 0.300 | 1.000E+5 | |
| 10700 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10705 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10710 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10710 | -5.000 | 5.000 | -0.749 | | 0.663 | 0.300 | 1.000E+5 | |
| 10740 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 10770 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10770 | -5.000 | 5.000 | -0.747 | | 0.664 | 0.300 | 1.000E+5 | |
| 10780 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10800 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10820 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10830 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10830 | -5.000 | 5.000 | -0.409 | | 0.912 | 0.300 | 1.000E+5 | |
| 10840 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10870 | 0.000 | None | | 1.000 | | 0.300 | 1.000E+5 | |
| 10900 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10910 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10940 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 10950 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 11010 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 11030 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 11070 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 11080 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 11130 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 11140 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 11160 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 11180 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 11185 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 11190 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 11195 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 11195 | -5.000 | 5.000 | -0.121 | | 0.993 | 0.300 | 1.000E+5 | |
| 12520 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 12530 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 12550 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 12750 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 12760 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| 12780 | 0.000 | None | | 1.000 | | 0.100 | 1.000E+5 | |
| Reducers (3) | | | | | | | | |
| From | To | OD1 (mm) | Thk1 (mm) | OD2 (mm) | Thk2 (mm) | Cone angle (deg) | | |
| 22 | 24 | 610 | 12.5 | 813 | 12.5 | | | |
| 9006 | 9008 | 610 | 12.5 | 711 | 12.5 | | | |
| 9014 | 9016 | 711 | 12.5 | 610 | 12.5 | | | |

| Valves (12) | | | | | | | | | |
|--------------------|----------|----------------|----------------|------------|----------------|-----------------|--------------------|---------|---------|
| From | To | Weight (kg) | Length (mm) | Thick X | Insul Wgt X | Add.Wgt (kg) | Offsets of Add.Wgt | | |
| | | | | | | | DX (mm) | DY (mm) | DZ (mm) |
| 10 | 15 | 1100 | | 3.00 | 1.75 | | | | |
| 2170 | 2175 | 1100 | | 3.00 | 1.75 | | | | |
| 3002 | 3004 | 1100 | | 3.00 | 1.75 | | | | |
| 3022 | 3034 | 1100 | | 3.00 | 1.75 | | | | |
| 5170 | 5175 | 1100 | | 3.00 | 1.75 | | | | |
| 9002 | 9004 | 1100 | | 3.00 | 1.75 | | | | |
| 9020 | 9022 | 1100 | | 3.00 | 1.75 | | | | |
| 9026 | 9028 | 1100 | | 3.00 | 1.75 | | | | |
| 11170 | 11175 | 1100 | | 3.00 | 1.75 | | | | |
| 12020 | 12030 | 1100 | | 3.00 | 1.75 | | | | |
| 12500 | 12510 | 700 | | 3.00 | 1.75 | | | | |
| 12730 | 12740 | 700 | | 3.00 | 1.75 | | | | |
| Coordinates (1054) | | | | | | | | | |
| Node | X (mm) | Y (mm) | Z (mm) | | | | | | |
| 10 | -3525 | 177 | 9918 | | | | | | |
| 15 | -3856.43 | 201.182 | 11300.6 | | | | | | |
| 20 | -4075.75 | 217.184 | 12215.6 | | | | | | |
| 22 | -4351.25 | 237.284 | 13364.8 | | | | | | |
| 24 | -4543.77 | 251.331 | 14168 | | | | | | |
| 30A | -5291.11 | 305.858 | 17285.6 | | | | | | |
| 30 | -5341.84 | 309.559 | 17497.3 | | | | | | |
| 30B | -5316.18 | 313.281 | 17713.4 | | | | | | |
| 35 | -5145.61 | 338.024 | 19150.2 | | | | | | |
| 40A | -4975.04 | 362.767 | 20587 | | | | | | |
| 40 | -4949.38 | 366.489 | 20803.1 | | | | | | |
| 40B | -5000.11 | 370.19 | 21014.8 | | | | | | |
| 50 | -7093.67 | 522.939 | 29748.4 | | | | | | |
| 60A | -7378.14 | 546.136 | 30935.1 | | | | | | |
| 60 | -7921.05 | 590.408 | 33200 | | | | | | |
| 60B | -5672.99 | 590.408 | 33810.3 | | | | | | |
| 70A | -2466.68 | 590.408 | 34680.8 | | | | | | |
| 70 | -200.545 | 590.408 | 35296.1 | | | | | | |
| 70B | -766.194 | 590.408 | 37575.1 | | | | | | |
| 80 | -802.768 | 590.408 | 37722.5 | | | | | | |
| 90A | -839.198 | 590.408 | 37869.3 | | | | | | |
| 90 | -1404.99 | 590.408 | 40148.9 | | | | | | |
| 90B | -3696.27 | 590.408 | 39632.4 | | | | | | |
| 100A | -6927.87 | 590.408 | 38903.9 | | | | | | |
| 100 | -9209.18 | 590.408 | 38389.7 | | | | | | |
| 100B | -9782.24 | 648.883 | 40656.2 | | | | | | |
| 110 | -10054.6 | 676.675 | 41733.4 | | | | | | |
| 130 | -13731.5 | 927.865 | 56275.8 | | | | | | |
| 140 | -17408.3 | 1179.05 | 70818.2 | | | | | | |
| 150A | -18389.1 | 1179.05 | 74697.4 | | | | | | |
| 150 | -18462.4 | 1179.05 | 74987 | | | | | | |
| 150B | -18462.4 | 1179.05 | 75285.7 | | | | | | |
| 160 | -18462.4 | 1179.05 | 90187 | | | | | | |

| Coordinates (1054) | | | |
|--------------------|----------|----------|--------|
| Node | X (mm) | Y (mm) | Z (mm) |
| 170 | -18462.4 | 476.055 | 105187 |
| 180 | -18462.4 | -226.945 | 120187 |
| 190 | -18462.4 | -929.945 | 135187 |
| 230 | -18462.4 | -1233.95 | 141687 |
| 240 | -18462.4 | -1537.95 | 148187 |
| 280A | -18462.4 | -1887.66 | 155831 |
| 280 | -18462.4 | -1903.95 | 156187 |
| 280B | -18358.8 | -1920.11 | 156528 |
| 290 | -16687.7 | -2180.95 | 162023 |
| 300 | -12323.9 | -2884.95 | 176374 |
| 310 | -11189.3 | -3062.95 | 180106 |
| 320A | -9941.95 | -3221.61 | 184208 |
| 320 | -9789.95 | -3240.95 | 184708 |
| 320B | -9451.99 | -3195.28 | 185104 |
| 330 | -5053.01 | -2600.95 | 190262 |
| 340 | 4680.42 | -1078.95 | 201675 |
| 350 | 14421.3 | 443.055 | 213082 |
| 370A | 15648.2 | 503.552 | 214519 |
| 370 | 17666.5 | 603.069 | 216882 |
| 370B | 19442.1 | 603.069 | 214329 |
| 380A | 20927.7 | 603.069 | 212193 |
| 380 | 22234.4 | 603.069 | 210315 |
| 380B | 24167.1 | 785.564 | 211526 |
| 390 | 24352.5 | 803.069 | 211643 |
| 400A | 24552.5 | 803.069 | 211768 |
| 400 | 26470.7 | 803.069 | 212970 |
| 400B | 25382 | 803.069 | 214955 |
| 410A | 23233 | 803.069 | 218874 |
| 410 | 22142.8 | 803.069 | 220861 |
| 410B | 24065.3 | 803.069 | 222063 |
| 420 | 26128.3 | 803.069 | 223352 |
| 440 | 38841.6 | 2325.07 | 231313 |
| 450 | 51554.8 | 3847.07 | 239274 |
| 460 | 64268 | 5369.07 | 247235 |
| 470A | 67572 | 5746.49 | 249304 |
| 470 | 67997.3 | 5795.07 | 249570 |
| 470B | 68493.8 | 5843.78 | 249642 |
| 480 | 83338 | 7300.07 | 251786 |
| 490 | 98184 | 8822.07 | 253930 |
| 495A | 105374 | 9560.97 | 254969 |
| 495 | 105706 | 9595.07 | 255017 |
| 495B | 106016 | 9720.2 | 255061 |
| 500 | 113030 | 12554.1 | 256075 |
| 502A | 116371 | 14055.4 | 256557 |
| 502 | 117781 | 14689.1 | 256761 |
| 502B | 117781 | 16248.3 | 256761 |
| 505A | 117781 | 18289.1 | 256761 |
| 505 | 117781 | 20689.1 | 256761 |

| Coordinates (1054) | | | |
|--------------------|--------|---------|--------|
| Node | X (mm) | Y (mm) | Z (mm) |
| 505B | 120156 | 20689.1 | 257102 |
| 507 | 123522 | 20689.1 | 257584 |
| 510 | 131936 | 20689.1 | 258791 |
| 520 | 141830 | 20689.1 | 260242 |
| 522 | 150240 | 20689.1 | 261475 |
| 525A | 151378 | 20689.1 | 261642 |
| 525 | 153753 | 20689.1 | 261990 |
| 525B | 153753 | 18289.1 | 261990 |
| 527A | 153753 | 18110.2 | 261990 |
| 527 | 153753 | 15689.1 | 261990 |
| 527B | 153382 | 15710.3 | 264382 |
| 550 | 152758 | 15746.1 | 268413 |
| 560 | 150462 | 15851.1 | 283237 |
| 570 | 148167 | 15956.1 | 298060 |
| 580 | 145871 | 16061.1 | 312883 |
| 590 | 144341 | 16061.1 | 322765 |
| 600A | 143668 | 16086.7 | 327109 |
| 600 | 143423 | 16096.1 | 328695 |
| 600B | 144752 | 16453.5 | 329519 |
| 610A | 152311 | 18485.8 | 334206 |
| 610 | 152517 | 18541.1 | 334333 |
| 610B | 152727 | 18545.7 | 334464 |
| 615 | 155236 | 18601.1 | 336019 |
| 620 | 167985 | 18731.1 | 343923 |
| 640A | 168965 | 18744.5 | 344531 |
| 640 | 170910 | 18771.1 | 345738 |
| 640B | 172207 | 18771.1 | 343852 |
| 650A | 174127 | 18771.1 | 341062 |
| 650 | 175445 | 18771.1 | 339147 |
| 650B | 177398 | 18903.6 | 340400 |
| 660 | 177546 | 18913.6 | 340495 |
| 670A | 177735 | 18926.4 | 340616 |
| 670 | 179646 | 19056.2 | 341843 |
| 670B | 178522 | 19056.2 | 343821 |
| 680A | 176326 | 19056.2 | 347684 |
| 680 | 175198 | 19056.2 | 349667 |
| 680B | 177122 | 19082.7 | 350893 |
| 690 | 178101 | 19096.2 | 351517 |
| 700 | 189909 | 20079.2 | 359039 |
| 710 | 201716 | 21062.2 | 366560 |
| 720 | 213380 | 22045.2 | 374304 |
| 730 | 230709 | 23505.2 | 385808 |
| 740 | 248205 | 24978.2 | 397422 |
| 750 | 255703 | 25610.2 | 402400 |
| 830A | 257791 | 25825.7 | 403787 |
| 830 | 259035 | 25954.2 | 404613 |
| 830B | 258842 | 25942.7 | 406099 |
| 840 | 257514 | 25864.2 | 416314 |

| Coordinates (1054) | | | |
|--------------------|--------|---------|--------|
| Node | X (mm) | Y (mm) | Z (mm) |
| 850 | 255579 | 25760.2 | 431189 |
| 910 | 253704 | 25656.2 | 446071 |
| 920A | 252104 | 25573.2 | 458772 |
| 920 | 251891 | 25562.2 | 460457 |
| 920B | 253410 | 25552.9 | 461218 |
| 930 | 257613 | 25527.2 | 463325 |
| 940 | 271024 | 25423.2 | 470045 |
| 950 | 284433 | 25319.2 | 476768 |
| 970 | 293403 | 25249.2 | 481188 |
| 980 | 304660 | 25162.2 | 486735 |
| 990A | 306992 | 25006.2 | 487884 |
| 990 | 309145 | 24862.2 | 488945 |
| 990B | 310204 | 24862.2 | 486785 |
| 1010A | 311615 | 24862.2 | 483905 |
| 1010 | 312665 | 24862.2 | 481761 |
| 1010B | 314807 | 24658.3 | 482796 |
| 1015 | 315817 | 24562.2 | 483284 |
| 1020A | 316859 | 24462.9 | 483788 |
| 1020 | 318968 | 24262.2 | 484807 |
| 1020B | 317990 | 24262.2 | 486944 |
| 1025A | 316592 | 24262.2 | 489998 |
| 1025 | 315639 | 24262.2 | 492082 |
| 1025B | 317672 | 24124.9 | 493129 |
| 1040 | 320083 | 23962.2 | 494371 |
| 1050 | 330751 | 23032.2 | 499867 |
| 1055 | 339641 | 22257.2 | 504447 |
| 1060A | 341106 | 22078.7 | 505202 |
| 1060 | 343196 | 21824.2 | 506279 |
| 1060B | 342144 | 21824.2 | 508397 |
| 1100 | 342084 | 21824.2 | 508518 |
| 1105 | 338081 | 21824.2 | 516579 |
| 1110 | 331409 | 21824.2 | 530013 |
| 1130 | 324746 | 21043.8 | 543429 |
| 1140A | 324447 | 21006.8 | 544031 |
| 1140 | 323680 | 20911.8 | 545575 |
| 1140B | 324903 | 20809.2 | 546790 |
| 1170 | 331840 | 20227.8 | 553678 |
| 1180 | 342477 | 19250.8 | 564255 |
| 1190 | 351347 | 18436.8 | 573063 |
| 1200A | 353263 | 18291 | 574965 |
| 1200 | 354895 | 18166.8 | 576586 |
| 1200B | 356584 | 18166.8 | 575019 |
| 1210A | 359065 | 18166.8 | 572717 |
| 1210 | 360760 | 18166.8 | 571145 |
| 1210B | 362390 | 17988.9 | 572775 |
| 1220 | 363235 | 17896.8 | 573620 |
| 1230A | 364099 | 17802.5 | 574484 |
| 1230 | 365710 | 17626.8 | 576094 |

| Coordinates (1054) | | | |
|--------------------|--------|---------|--------|
| Node | X (mm) | Y (mm) | Z (mm) |
| 1230B | 364176 | 17626.8 | 577788 |
| 1240A | 361874 | 17626.8 | 580330 |
| 1240 | 360340 | 17626.8 | 582024 |
| 1240B | 361955 | 17503.5 | 583637 |
| 1250 | 363878 | 17356.8 | 585557 |
| 1260 | 372794 | 16586.8 | 594461 |
| 1270 | 383408 | 15691.8 | 605060 |
| 1280 | 394022 | 14796.8 | 615659 |
| 1290 | 404636 | 13901.8 | 626258 |
| 1300A | 415513 | 13030.4 | 637120 |
| 1300 | 415958 | 12994.8 | 637564 |
| 1300B | 416563 | 12965.4 | 637732 |
| 1310 | 417403 | 12924.8 | 637966 |
| 1320 | 428000 | 12268.8 | 640915 |
| 1330 | 438597 | 11612.8 | 643864 |
| 1360 | 444332 | 11262.8 | 645628 |
| 1390 | 450104 | 10912.8 | 647266 |
| 1400 | 465496 | 10512.8 | 651634 |
| 1410 | 480889 | 10112.8 | 656002 |
| 1420 | 496281 | 9712.75 | 660370 |
| 1430 | 511673 | 9312.75 | 664738 |
| 1440 | 527065 | 8912.75 | 669106 |
| 1450 | 541207 | 8546.75 | 673119 |
| 1460A | 543730 | 8494.29 | 673835 |
| 1460 | 546017 | 8446.75 | 674484 |
| 1460B | 546688 | 8446.75 | 672204 |
| 1470A | 547605 | 8446.75 | 669085 |
| 1470 | 548274 | 8446.75 | 666809 |
| 1470B | 550556 | 8379 | 667452 |
| 1480 | 551643 | 8346.75 | 667757 |
| 1490A | 552724 | 8314.67 | 668062 |
| 1490 | 555012 | 8246.75 | 668706 |
| 1490B | 554389 | 8246.75 | 671000 |
| 1500A | 553536 | 8246.75 | 674143 |
| 1500 | 552916 | 8246.75 | 676426 |
| 1500B | 555189 | 8199.46 | 677079 |
| 1510 | 557722 | 8146.75 | 677806 |
| 1520 | 569736 | 8216.75 | 681257 |
| 1530 | 584153 | 8296.75 | 685397 |
| 1540 | 595687 | 8362.75 | 688710 |
| 1560 | 606945 | 8428.75 | 691893 |
| 1570 | 619936 | 8503.75 | 695566 |
| 1580 | 634370 | 8586.75 | 699647 |
| 1590 | 654578 | 8686.75 | 705361 |
| 1630 | 674768 | 9186.75 | 711139 |
| 1670 | 689194 | 9674.75 | 715248 |
| 1690A | 702171 | 10140.4 | 718947 |
| 1690 | 702848 | 10164.8 | 719141 |

| Coordinates (1054) | | | |
|--------------------|--------|---------|--------|
| Node | X (mm) | Y (mm) | Z (mm) |
| 1690B | 703313 | 10238.5 | 719665 |
| 1700 | 704373 | 10406.8 | 720863 |
| 1705 | 712989 | 11583.8 | 730597 |
| 1710 | 719352 | 12429.8 | 737785 |
| 1720A | 721166 | 12681.5 | 739835 |
| 1720 | 722666 | 12889.8 | 741529 |
| 1720B | 724448 | 12889.8 | 740118 |
| 1730A | 727168 | 12889.8 | 737963 |
| 1730 | 728937 | 12889.8 | 736562 |
| 1730B | 730440 | 13082.5 | 738235 |
| 1740 | 731276 | 13189.8 | 739166 |
| 1750A | 732054 | 13289.6 | 740033 |
| 1750 | 733614 | 13489.8 | 741771 |
| 1750B | 731909 | 13489.8 | 743378 |
| 1760A | 729489 | 13489.8 | 745658 |
| 1760 | 727792 | 13489.8 | 747257 |
| 1760B | 729334 | 13703.4 | 748992 |
| 1770 | 731114 | 13949.8 | 750994 |
| 1780 | 739478 | 15081.8 | 760417 |
| 1790 | 749436 | 16437.8 | 771635 |
| 1800 | 759394 | 17784.8 | 782852 |
| 1810A | 763372 | 18200.2 | 787327 |
| 1810 | 763713 | 18235.8 | 787711 |
| 1810B | 764181 | 18262.5 | 787921 |
| 1820 | 772746 | 18751.8 | 791762 |
| 1830 | 782783 | 19324.8 | 796263 |
| 1870 | 801851 | 20419.8 | 805062 |
| 1910 | 820899 | 21514.8 | 813903 |
| 1920 | 835411 | 22348.8 | 820640 |
| 1930A | 847832 | 23136.4 | 826405 |
| 1930 | 848564 | 23182.8 | 826744 |
| 1930B | 848939 | 23302.6 | 827449 |
| 1940 | 849363 | 23437.8 | 828245 |
| 1950 | 856511 | 25717.8 | 841659 |
| 1960 | 858863 | 26317.8 | 846072 |
| 1980 | 860442 | 26387.8 | 849195 |
| 1990 | 862021 | 26457.8 | 852319 |
| 2010 | 864317 | 26647.8 | 856760 |
| 2020A | 868782 | 27484 | 865399 |
| 2020 | 869368 | 27593.8 | 866532 |
| 2020B | 870640 | 27645.5 | 866675 |
| 2030 | 873542 | 27763.8 | 867002 |
| 2070 | 888447 | 27763.8 | 868682 |
| 2080 | 903353 | 27763.8 | 870361 |
| 2120A | 912736 | 27763.8 | 871419 |
| 2120 | 914284 | 27763.8 | 871593 |
| 2120B | 914756 | 27879 | 873072 |
| 2130 | 914890 | 27911.8 | 873493 |

| Coordinates (1054) | | | |
|--------------------|----------|---------|---------|
| Node | X (mm) | Y (mm) | Z (mm) |
| 2140 | 918223 | 28725.9 | 883944 |
| 2142A | 918236 | 28729 | 883984 |
| 2142 | 918678 | 28836.9 | 885369 |
| 2142B | 919752 | 29779.3 | 885661 |
| 2145A | 919769 | 29794.6 | 885665 |
| 2145 | 920429 | 30373.9 | 885844 |
| 2145B | 921319 | 30373.9 | 885953 |
| 2160 | 923407 | 30373.9 | 886207 |
| 2170 | 923903 | 30373.9 | 886268 |
| 2175 | 924995 | 30373.9 | 886401 |
| 2180 | 932937 | 30373.9 | 887369 |
| 2185 | 943856 | 30373.9 | 888699 |
| 2190 | 954775 | 30373.9 | 890030 |
| 2195 | 965694 | 30373.9 | 891360 |
| 2200 | 977606 | 30373.9 | 892812 |
| 3000 | 1860 | 0 | 350 |
| 3002 | 1562.6 | 21.6989 | 1590.67 |
| 3004 | 1236.76 | 45.4725 | 2949.96 |
| 3006 | 560.844 | 94.7882 | 5769.66 |
| 3018 | -506.637 | 172.673 | 10222.8 |
| 3020 | -778.868 | 192.535 | 11358.5 |
| 3022 | -1485.08 | 244.062 | 14304.6 |
| 3034 | -1810.69 | 267.818 | 15662.9 |
| 3030 | -2381.72 | 309.482 | 18045.1 |
| 3035A | -2604.68 | 325.499 | 18975.2 |
| 3035 | -2638.1 | 327.9 | 19114.6 |
| 3035B | -2687.9 | 330.216 | 19249.1 |
| 3040 | -3091.78 | 348.998 | 20339.7 |
| 3045A | -3495.66 | 367.78 | 21430.4 |
| 3045 | -3545.45 | 370.095 | 21564.9 |
| 3045B | -3578.88 | 372.496 | 21704.3 |
| 3050 | -5615.57 | 518.812 | 30200.7 |
| 3060A | -5837.66 | 536.922 | 31127.2 |
| 3060 | -6244.85 | 570.126 | 32825.9 |
| 3060B | -4558.8 | 570.126 | 33283.6 |
| 3070A | -223.944 | 570.126 | 34460.5 |
| 3070 | 1475.66 | 570.126 | 34922 |
| 3070B | 1051.42 | 570.126 | 36631.3 |
| 3080 | 692.768 | 570.126 | 38076.3 |
| 3090A | 331.955 | 570.126 | 39522.5 |
| 3090 | -93.9432 | 570.126 | 41229.6 |
| 3090B | -1810.32 | 570.126 | 40842.7 |
| 3100A | -6187.15 | 570.126 | 39856.2 |
| 3100 | -7898.14 | 570.126 | 39470.5 |
| 3100B | -8327.93 | 613.983 | 41170.4 |
| 3105 | -8559.76 | 637.639 | 42087.3 |
| 3130 | -12236.6 | 888.829 | 56629.7 |
| 3140 | -15913.5 | 1140.02 | 71172 |

| Coordinates (1054) | | | |
|--------------------|----------|----------|---------|
| Node | X (mm) | Y (mm) | Z (mm) |
| 3150A | -16888 | 1140.02 | 75026.3 |
| 3150 | -16943 | 1140.02 | 75243.9 |
| 3150B | -16943 | 1143.35 | 75468.3 |
| 3160 | -16943 | 1362.56 | 90243.9 |
| 3170 | -16943 | 659.559 | 105244 |
| 3180 | -16943 | -43.4407 | 120244 |
| 3190 | -16943 | -746.441 | 135244 |
| 3210A | -16943 | -788.078 | 136445 |
| 3210 | -16943 | -850.441 | 138244 |
| 3210B | -15143 | -850.441 | 138244 |
| 3220A | -10743 | -850.441 | 138244 |
| 3220 | -8943.02 | -850.441 | 138244 |
| 3220B | -8943.02 | -953.13 | 140041 |
| 3230 | -8943.02 | -1050.44 | 141744 |
| 3240A | -8943.02 | -1147.75 | 143447 |
| 3240 | -8943.02 | -1250.44 | 145244 |
| 3240B | -10743 | -1250.44 | 145244 |
| 3250A | -15143 | -1250.44 | 145244 |
| 3250 | -16943 | -1250.44 | 145244 |
| 3250B | -16943 | -1312.8 | 147043 |
| 3260 | -16943 | -1354.44 | 148244 |
| 3280A | -16943 | -1707.91 | 155777 |
| 3280 | -16943 | -1720.44 | 156044 |
| 3280B | -16865.3 | -1732.98 | 156299 |
| 3290 | -15226.6 | -1997.44 | 161689 |
| 3300 | -10862.7 | -2701.44 | 176040 |
| 3310 | -9728.13 | -2879.44 | 179771 |
| 3320A | -8443.81 | -3042.81 | 183995 |
| 3320 | -8328.79 | -3057.44 | 184373 |
| 3320B | -8073.1 | -3018.67 | 184673 |
| 3330 | -4107.76 | -2417.44 | 189316 |
| 3340 | 5625.68 | -895.441 | 200729 |
| 3350 | 15366.5 | 626.559 | 212136 |
| 3370A | 16254.5 | 626.559 | 213176 |
| 3370 | 17769.3 | 626.559 | 214950 |
| 3370B | 19101.1 | 626.559 | 213035 |
| 3380A | 21357.2 | 626.559 | 209791 |
| 3380 | 22337.1 | 626.559 | 208382 |
| 3380B | 23791.1 | 626.559 | 209294 |
| 3390 | 25302.5 | 626.559 | 210241 |
| 3400A | 26829.3 | 626.559 | 211198 |
| 3400 | 28267.9 | 626.559 | 212100 |
| 3400B | 27451.4 | 626.559 | 213589 |
| 3410A | 24757.8 | 626.559 | 218500 |
| 3410 | 23940 | 626.559 | 219991 |
| 3410B | 25377.4 | 763.998 | 220890 |
| 3420 | 27077.6 | 926.559 | 221952 |
| 3440 | 39790.8 | 2448.56 | 229913 |

| Coordinates (1054) | | | |
|--------------------|---------|---------|--------|
| Node | X (mm) | Y (mm) | Z (mm) |
| 3450 | 52504.1 | 3970.56 | 237874 |
| 3460 | 65217.3 | 5492.56 | 245835 |
| 3470A | 68460.7 | 5880.51 | 247862 |
| 3470 | 68778.9 | 5918.56 | 248061 |
| 3470B | 69150.2 | 5956.21 | 248114 |
| 3480 | 83624.8 | 7423.56 | 250205 |
| 3490 | 98470.7 | 8945.56 | 252349 |
| 3495A | 105744 | 9692.98 | 253400 |
| 3495 | 105993 | 9718.56 | 253436 |
| 3495B | 106225 | 9812.41 | 253470 |
| 3500 | 113317 | 12677.6 | 254494 |
| 3502A | 117010 | 14337.3 | 255027 |
| 3502 | 118067 | 14812.6 | 255180 |
| 3502B | 118067 | 15982 | 255180 |
| 3505A | 118067 | 19012.6 | 255180 |
| 3505 | 118067 | 20812.6 | 255180 |
| 3505B | 119849 | 20812.6 | 255437 |
| 3510 | 123808 | 20812.6 | 256009 |
| 3520 | 132218 | 20812.6 | 257242 |
| 3522 | 142112 | 20812.6 | 258693 |
| 3524 | 150522 | 20812.6 | 259926 |
| 3525A | 153758 | 20812.6 | 260400 |
| 3525 | 155539 | 20812.6 | 260661 |
| 3525B | 155539 | 19012.6 | 260661 |
| 3527A | 155539 | 17625.3 | 260661 |
| 3527 | 155539 | 15812.6 | 260661 |
| 3527B | 155261 | 15825.4 | 262453 |
| 3550 | 154307 | 15869.6 | 268617 |
| 3560 | 152011 | 15974.6 | 283440 |
| 3570 | 149716 | 16079.6 | 298263 |
| 3580 | 147420 | 16184.6 | 313086 |
| 3590 | 145890 | 16184.6 | 322969 |
| 3600A | 145233 | 16211.9 | 327211 |
| 3600 | 145048 | 16219.6 | 328404 |
| 3600B | 146042 | 16520.2 | 329020 |
| 3610A | 152860 | 18583.1 | 333245 |
| 3610 | 153033 | 18635.5 | 333352 |
| 3610B | 153212 | 18639.5 | 333463 |
| 3615 | 155753 | 18695.5 | 335039 |
| 3620 | 168502 | 18825.5 | 342943 |
| 3640A | 169332 | 18840.1 | 343458 |
| 3640 | 170791 | 18865.5 | 344363 |
| 3640B | 171764 | 18865.5 | 342948 |
| 3650A | 174338 | 18865.5 | 339208 |
| 3650 | 175326 | 18865.5 | 337772 |
| 3650B | 176790 | 18971.9 | 338712 |
| 3660 | 178182 | 19073 | 339605 |
| 3670A | 179606 | 19176.5 | 340521 |

| Coordinates (1054) | | | |
|--------------------|--------|---------|--------|
| Node | X (mm) | Y (mm) | Z (mm) |
| 3670 | 181036 | 19280.4 | 341441 |
| 3670B | 180194 | 19280.4 | 342923 |
| 3680A | 177434 | 19280.4 | 347778 |
| 3680 | 176588 | 19280.4 | 349266 |
| 3680B | 178031 | 19305.9 | 350185 |
| 3690 | 178859 | 19320.4 | 350713 |
| 3700 | 190667 | 20303.4 | 358235 |
| 3705 | 202475 | 21286.4 | 365757 |
| 3720 | 214283 | 22269.4 | 373278 |
| 3730 | 226602 | 23308.4 | 381481 |
| 3740A | 228293 | 23426 | 382606 |
| 3740 | 229766 | 23528.4 | 383586 |
| 3740B | 230770 | 23528.4 | 382126 |
| 3750A | 233312 | 23528.4 | 378431 |
| 3750 | 234300 | 23528.4 | 376995 |
| 3750B | 235761 | 23686.2 | 377933 |
| 3760 | 236152 | 23728.4 | 378183 |
| 3770A | 236445 | 23760.1 | 378371 |
| 3770 | 238004 | 23928.4 | 379371 |
| 3770B | 236950 | 23928.4 | 380902 |
| 3780A | 234505 | 23928.4 | 384455 |
| 3780 | 233470 | 23928.4 | 385961 |
| 3780B | 234988 | 24034.1 | 386972 |
| 3790 | 236632 | 24148.4 | 388067 |
| 3800 | 249122 | 25201.4 | 396374 |
| 3810 | 256614 | 25833.4 | 401362 |
| 3830A | 259345 | 26089.9 | 403179 |
| 3830 | 260277 | 26177.4 | 403798 |
| 3830B | 260133 | 26169.5 | 404912 |
| 3840 | 258640 | 26087.4 | 416392 |
| 3850 | 256705 | 25983.4 | 431267 |
| 3860 | 254771 | 25879.4 | 446142 |
| 3920A | 253180 | 25794 | 458769 |
| 3920 | 253021 | 25785.4 | 460032 |
| 3920B | 254159 | 25777.5 | 460603 |
| 3930 | 258027 | 25750.4 | 462541 |
| 3940 | 271438 | 25646.4 | 469261 |
| 3950 | 284847 | 25542.4 | 475984 |
| 3970 | 293817 | 25472.4 | 480404 |
| 3980 | 305074 | 25385.4 | 485951 |
| 3990A | 307049 | 25220.4 | 486924 |
| 3990 | 308662 | 25085.4 | 487719 |
| 3990B | 309456 | 25085.4 | 486099 |
| 4000A | 311395 | 25085.4 | 482143 |
| 4000 | 312182 | 25085.4 | 480535 |
| 4000B | 313791 | 24966.3 | 481313 |
| 4010 | 316234 | 24785.4 | 482494 |
| 4020A | 318702 | 24602.7 | 483687 |

| Coordinates (1054) | | | |
|--------------------|--------|---------|--------|
| Node | X (mm) | Y (mm) | Z (mm) |
| 4020 | 320286 | 24485.4 | 484452 |
| 4020B | 319552 | 24485.4 | 486055 |
| 4030A | 317672 | 24485.4 | 490164 |
| 4030 | 316956 | 24485.4 | 491726 |
| 4030B | 318480 | 24356.9 | 492511 |
| 4040 | 320512 | 24185.4 | 493558 |
| 4050 | 331180 | 23255.4 | 499054 |
| 4055 | 340070 | 22480.4 | 503634 |
| 4060A | 342766 | 22206.8 | 505023 |
| 4060 | 344337 | 22047.4 | 505832 |
| 4060B | 343548 | 22047.4 | 507421 |
| 4100 | 342869 | 22047.4 | 508788 |
| 4105 | 338865 | 22047.4 | 516848 |
| 4110 | 332193 | 22047.4 | 530283 |
| 4150 | 325530 | 21267.1 | 543699 |
| 4160A | 325217 | 21220.5 | 544329 |
| 4160 | 324642 | 21135.1 | 545486 |
| 4160B | 325559 | 21054.8 | 546396 |
| 4170 | 332448 | 20451.1 | 553237 |
| 4180 | 343085 | 19474.1 | 563813 |
| 4190 | 351955 | 18660.1 | 572621 |
| 4200A | 353570 | 18506.5 | 574225 |
| 4200 | 354793 | 18390.1 | 575439 |
| 4200B | 356060 | 18390.1 | 574264 |
| 4210A | 359387 | 18390.1 | 571178 |
| 4210 | 360658 | 18390.1 | 569998 |
| 4210B | 361882 | 18286.3 | 571222 |
| 4220 | 363840 | 18120.1 | 573180 |
| 4230A | 365813 | 17952.7 | 575153 |
| 4230 | 367022 | 17850.1 | 576362 |
| 4230B | 365872 | 17850.1 | 577632 |
| 4240A | 362803 | 17850.1 | 581022 |
| 4240 | 361652 | 17850.1 | 582292 |
| 4240B | 362862 | 17734.7 | 583501 |
| 4250 | 364482 | 17580.1 | 585119 |
| 4260 | 373398 | 16810.1 | 594022 |
| 4270 | 384012 | 15915.1 | 604621 |
| 4280 | 394626 | 15020.1 | 615220 |
| 4290 | 405241 | 14125.1 | 625819 |
| 4300A | 415946 | 13244.5 | 636510 |
| 4300 | 416279 | 13217.1 | 636842 |
| 4300B | 416733 | 13193.6 | 636969 |
| 4310 | 417628 | 13147.1 | 637218 |
| 4320 | 428225 | 12491.1 | 640167 |
| 4330 | 438822 | 11835.1 | 643116 |
| 4340A | 440477 | 11737 | 643577 |
| 4340 | 442194 | 11635.1 | 644055 |
| 4340B | 442687 | 11635.1 | 642339 |

| Coordinates (1054) | | | |
|--------------------|--------|---------|--------|
| Node | X (mm) | Y (mm) | Z (mm) |
| 4350A | 443896 | 11635.1 | 638128 |
| 4350 | 444403 | 11635.1 | 636365 |
| 4350B | 446152 | 11525.3 | 636903 |
| 4360 | 446792 | 11485.1 | 637100 |
| 4370A | 447517 | 11439.6 | 637323 |
| 4370 | 449182 | 11335.1 | 637835 |
| 4370B | 448721 | 11335.1 | 639518 |
| 4380A | 447541 | 11335.1 | 643832 |
| 4380 | 447071 | 11335.1 | 645552 |
| 4380B | 448783 | 11233.4 | 646038 |
| 4390 | 450438 | 11135.1 | 646507 |
| 4400 | 465830 | 10735.1 | 650875 |
| 4410 | 481222 | 10335.1 | 655243 |
| 4420 | 496614 | 9935.13 | 659611 |
| 4430 | 512007 | 9535.13 | 663979 |
| 4440 | 527399 | 9135.12 | 668347 |
| 4450 | 541540 | 8769.12 | 672360 |
| 4460A | 543674 | 8713.69 | 672966 |
| 4460 | 545388 | 8669.12 | 673452 |
| 4460B | 545891 | 8669.12 | 671742 |
| 4470A | 547143 | 8669.12 | 667484 |
| 4470 | 547645 | 8669.12 | 665777 |
| 4470B | 549357 | 8629.6 | 666259 |
| 4480 | 551977 | 8569.12 | 666996 |
| 4490A | 554592 | 8508.75 | 667732 |
| 4490 | 556309 | 8469.12 | 668215 |
| 4490B | 555841 | 8469.12 | 669937 |
| 4500A | 554677 | 8469.12 | 674224 |
| 4500 | 554213 | 8469.12 | 675936 |
| 4500B | 555917 | 8424.79 | 676425 |
| 4510 | 558057 | 8369.12 | 677040 |
| 4520 | 570071 | 8439.12 | 680491 |
| 4530 | 584489 | 8519.12 | 684631 |
| 4540 | 596022 | 8585.12 | 687944 |
| 4560 | 607281 | 8651.12 | 691127 |
| 4580 | 620272 | 8726.12 | 694800 |
| 4590 | 634706 | 8809.12 | 698881 |
| 4600 | 649145 | 8892.13 | 702945 |
| 4610A | 650774 | 8911.47 | 703403 |
| 4610 | 652514 | 8932.12 | 703893 |
| 4610B | 652997 | 8932.12 | 702151 |
| 4620A | 654165 | 8932.12 | 697933 |
| 4620 | 654650 | 8932.12 | 696183 |
| 4620B | 656393 | 9004.68 | 696682 |
| 4630 | 657053 | 9032.13 | 696871 |
| 4640A | 657756 | 9061.38 | 697072 |
| 4640 | 659457 | 9132.13 | 697559 |
| 4640B | 658998 | 9132.13 | 699268 |

| Coordinates (1054) | | | |
|--------------------|--------|---------|--------|
| Node | X (mm) | Y (mm) | Z (mm) |
| 4650A | 657844 | 9132.13 | 703574 |
| 4650 | 657385 | 9132.13 | 705286 |
| 4650B | 659089 | 9182.74 | 705771 |
| 4660 | 660751 | 9232.13 | 706244 |
| 4670 | 675177 | 9720.12 | 710353 |
| 4680 | 689603 | 10208.1 | 714462 |
| 4690A | 703040 | 10680.3 | 718289 |
| 4690 | 703547 | 10698.1 | 718434 |
| 4690B | 703896 | 10749 | 718828 |
| 4700 | 705205 | 10940.1 | 720306 |
| 4705 | 713821 | 12117.1 | 730040 |
| 4710 | 720184 | 12963.1 | 737228 |
| 4720A | 721711 | 13181.9 | 738953 |
| 4720 | 722835 | 13343.1 | 740224 |
| 4720B | 724172 | 13343.1 | 739165 |
| 4730A | 727780 | 13343.1 | 736307 |
| 4730 | 729106 | 13343.1 | 735256 |
| 4730B | 730233 | 13485.5 | 736511 |
| 4740 | 732113 | 13723.1 | 738605 |
| 4750A | 733949 | 13955.3 | 740650 |
| 4750 | 735119 | 14103.1 | 741953 |
| 4750B | 733840 | 14103.1 | 743158 |
| 4760A | 730569 | 14103.1 | 746240 |
| 4760 | 729297 | 14103.1 | 747440 |
| 4760B | 730453 | 14268.5 | 748741 |
| 4770 | 731954 | 14483.1 | 750429 |
| 4780 | 740319 | 15615.1 | 759852 |
| 4790 | 750277 | 16971.1 | 771070 |
| 4800 | 760235 | 18318.1 | 782288 |
| 4810A | 763966 | 18740.2 | 786485 |
| 4810 | 764221 | 18769.1 | 786772 |
| 4810B | 764573 | 18789.2 | 786930 |
| 4820 | 773254 | 19285.1 | 790823 |
| 4830 | 783291 | 19858.1 | 795324 |
| 4840 | 796978 | 20640.1 | 801462 |
| 4850A | 798573 | 20715.1 | 802178 |
| 4850 | 800172 | 20790.1 | 802895 |
| 4850B | 800931 | 20790.1 | 801314 |
| 4860A | 802869 | 20790.1 | 797281 |
| 4860 | 803637 | 20790.1 | 795684 |
| 4860B | 805243 | 20896.3 | 796425 |
| 4870 | 805907 | 20940.1 | 796731 |
| 4880A | 806591 | 20985.4 | 797047 |
| 4880 | 808177 | 21090.1 | 797779 |
| 4880B | 807489 | 21090.1 | 799388 |
| 4890A | 805720 | 21090.1 | 803531 |
| 4890 | 805034 | 21090.1 | 805136 |
| 4890B | 806616 | 21164.9 | 805870 |

| Coordinates (1054) | | | |
|--------------------|----------|---------|---------|
| Node | X (mm) | Y (mm) | Z (mm) |
| 4900 | 808209 | 21240.1 | 806609 |
| 4910 | 821814 | 22022.1 | 812925 |
| 4920 | 836327 | 22856.1 | 819661 |
| 4930A | 849384 | 23656.5 | 825722 |
| 4930 | 849933 | 23690.1 | 825977 |
| 4930B | 850215 | 23780 | 826506 |
| 4940 | 850733 | 23945.1 | 827477 |
| 4950 | 857881 | 26225.1 | 840891 |
| 4960 | 859762 | 26725.1 | 844421 |
| 4980 | 861792 | 26795.1 | 848437 |
| 4990 | 863823 | 26865.1 | 852453 |
| 5010 | 865659 | 27055.1 | 856006 |
| 5020A | 870271 | 27918.9 | 864929 |
| 5020 | 870710 | 28001.1 | 865778 |
| 5020B | 871662 | 28055.4 | 865885 |
| 5030 | 873691 | 28171.1 | 866114 |
| 5070 | 888597 | 28171.1 | 867793 |
| 5080 | 903503 | 28171.1 | 869473 |
| 5120A | 913770 | 28171.1 | 870630 |
| 5120 | 914930 | 28171.1 | 870761 |
| 5120B | 915284 | 28257.6 | 871870 |
| 5130 | 915840 | 28393.2 | 873611 |
| 5140 | 919169 | 29206.8 | 884050 |
| 5150A | 919788 | 29358 | 885992 |
| 5150 | 920138 | 29443.6 | 887090 |
| 5150B | 921286 | 29443.6 | 887230 |
| 5160 | 923116 | 29443.6 | 887453 |
| 5170 | 923613 | 29443.6 | 887514 |
| 5175 | 924704 | 29443.6 | 887647 |
| 5180 | 932646 | 29443.6 | 888615 |
| 5185 | 943565 | 29443.6 | 889945 |
| 5190 | 954484 | 29443.6 | 891276 |
| 5195 | 965403 | 29443.6 | 892606 |
| 5200 | 977315 | 29443.6 | 894058 |
| 9000 | 3010 | 0 | 730 |
| 9002 | 2714.93 | 21.1975 | 1960.95 |
| 9004 | 2389.09 | 44.6051 | 3320.25 |
| 9006 | 2248.54 | 54.7015 | 3906.55 |
| 9008 | 2155.78 | 61.3655 | 4293.53 |
| 9010 | 1964.66 | 75.0953 | 5090.83 |
| 9012 | 1188.52 | 130.852 | 8328.64 |
| 9014 | 898.338 | 152.023 | 9539.16 |
| 9016 | 805.574 | 158.687 | 9926.14 |
| 9018 | 641.024 | 170.693 | 10612.6 |
| 9020 | 483.699 | 182.172 | 11268.9 |
| 9022 | 158.56 | 205.894 | 12625.3 |
| 9024 | -527.378 | 255.941 | 15486.8 |
| 9026 | -697.988 | 268.389 | 16198.5 |

| Coordinates (1054) | | | |
|--------------------|----------|----------|---------|
| Node | X (mm) | Y (mm) | Z (mm) |
| 9028 | -1026.86 | 292.384 | 17570.4 |
| 9030 | -1232.45 | 307.384 | 18428.1 |
| 9050 | -4146.3 | 516.714 | 30583.8 |
| 9060A | -4181.94 | 519.621 | 30732.4 |
| 9060 | -4589.13 | 552.825 | 32431.1 |
| 9060B | -2903.08 | 552.825 | 32888.8 |
| 9070A | 1431.78 | 552.825 | 34065.8 |
| 9070 | 3131.38 | 552.825 | 34527.2 |
| 9070B | 2707.14 | 552.825 | 36236.5 |
| 9080 | 2131.69 | 552.825 | 38555 |
| 9090A | 1553.02 | 552.825 | 40874.5 |
| 9090 | 1127.12 | 552.825 | 42581.6 |
| 9090B | -589.257 | 552.825 | 42194.7 |
| 9100A | -4966.09 | 552.825 | 41208.1 |
| 9100 | -6677.07 | 552.825 | 40822.4 |
| 9100B | -7106.86 | 596.681 | 42522.3 |
| 9105 | -7142.66 | 600.334 | 42663.9 |
| 9130 | -10819.5 | 851.524 | 57206.3 |
| 9140 | -14496.4 | 1102.71 | 71748.7 |
| 9150A | -15446.5 | 1169.2 | 75506.4 |
| 9150 | -15501.4 | 1173.04 | 75723.6 |
| 9150B | -15501.4 | 1176.53 | 75947.5 |
| 9160 | -15501.4 | 1398.58 | 90223.6 |
| 9170 | -15501.4 | 695.584 | 105224 |
| 9180 | -15501.4 | -7.41602 | 120224 |
| 9190 | -15501.4 | -710.416 | 135224 |
| 9210A | -15501.4 | -729.42 | 135626 |
| 9210 | -15501.4 | -814.416 | 137424 |
| 9210B | -13701.4 | -814.416 | 137424 |
| 9220A | -9301.4 | -814.416 | 137424 |
| 9220 | -7501.4 | -814.416 | 137424 |
| 9220B | -7501.4 | -898.046 | 139222 |
| 9230 | -7501.4 | -1014.42 | 141724 |
| 9240A | -7501.4 | -1130.79 | 144226 |
| 9240 | -7501.4 | -1214.42 | 146024 |
| 9240B | -9301.4 | -1214.42 | 146024 |
| 9250A | -13701.4 | -1214.42 | 146024 |
| 9250 | -15501.4 | -1214.42 | 146024 |
| 9250B | -15501.4 | -1299.41 | 147822 |
| 9260 | -15501.4 | -1318.42 | 148224 |
| 9280A | -15501.4 | -1671.39 | 155457 |
| 9280 | -15501.4 | -1684.42 | 155724 |
| 9280B | -15423.7 | -1697.39 | 155979 |
| 9290 | -13843.1 | -1961.42 | 161177 |
| 9300 | -9479.3 | -2665.42 | 175528 |
| 9310 | -8344.7 | -2843.42 | 179260 |
| 9320A | -7061.07 | -3006.7 | 183481 |
| 9320 | -6945.36 | -3021.42 | 183862 |

| Coordinates (1054) | | | |
|--------------------|----------|----------|--------|
| Node | X (mm) | Y (mm) | Z (mm) |
| 9320B | -6688.35 | -2979.2 | 184162 |
| 9330 | -3049.03 | -2381.42 | 188424 |
| 9340 | 6684.41 | -859.416 | 199837 |
| 9350 | 16425.3 | 662.584 | 211244 |
| 9370A | 16436.6 | 662.584 | 211258 |
| 9370 | 17951.3 | 662.584 | 213031 |
| 9370B | 19283.1 | 662.584 | 211116 |
| 9380A | 21539.3 | 662.584 | 207872 |
| 9380 | 22519.1 | 662.584 | 206464 |
| 9380B | 23973.1 | 662.584 | 207375 |
| 9390 | 26331.8 | 662.584 | 208854 |
| 9400A | 28705.9 | 662.584 | 210342 |
| 9400 | 30144.5 | 662.584 | 211244 |
| 9400B | 29328 | 662.584 | 212733 |
| 9410A | 26634 | 662.584 | 217645 |
| 9410 | 25816.6 | 662.584 | 219135 |
| 9410B | 27253.1 | 798.768 | 220034 |
| 9420 | 27926.2 | 862.584 | 220455 |
| 9440 | 40639.4 | 2384.58 | 228416 |
| 9450 | 53359.4 | 3906.58 | 236366 |
| 9460 | 66072.6 | 5428.58 | 244326 |
| 9470A | 69144.5 | 5814.58 | 246250 |
| 9470 | 69462.8 | 5854.58 | 246449 |
| 9470B | 69834.7 | 5893.58 | 246503 |
| 9480 | 83813.9 | 7359.58 | 248522 |
| 9490 | 98659.8 | 8881.58 | 250667 |
| 9495A | 105933 | 9629.01 | 251717 |
| 9495 | 106182 | 9654.58 | 251753 |
| 9495B | 106414 | 9748.43 | 251787 |
| 9500 | 113506 | 12613.6 | 252811 |
| 9502A | 117199 | 14273.3 | 253345 |
| 9502 | 118256 | 14748.6 | 253497 |
| 9502B | 118256 | 15918 | 253497 |
| 9505A | 118256 | 18948.6 | 253497 |
| 9505 | 118256 | 20748.6 | 253497 |
| 9505B | 120038 | 20748.6 | 253755 |
| 9510 | 123997 | 20748.6 | 254326 |
| 9515 | 132407 | 20748.6 | 255559 |
| 9520 | 142301 | 20748.6 | 257010 |
| 9522 | 150711 | 20748.6 | 258243 |
| 9525A | 155451 | 20748.6 | 258938 |
| 9525 | 157232 | 20748.6 | 259199 |
| 9525B | 157232 | 18948.6 | 259199 |
| 9527A | 157232 | 17559.1 | 259199 |
| 9527 | 157232 | 15748.6 | 259199 |
| 9527B | 156955 | 15759.1 | 260988 |
| 9550 | 155732 | 15805.6 | 268884 |
| 9560 | 153436 | 15910.6 | 283707 |

| Coordinates (1054) | | | |
|--------------------|--------|---------|--------|
| Node | X (mm) | Y (mm) | Z (mm) |
| 9570 | 151141 | 16015.6 | 298530 |
| 9580 | 148845 | 16120.6 | 313354 |
| 9590 | 147315 | 16190.6 | 323236 |
| 9600A | 146735 | 16217.1 | 326980 |
| 9600 | 146550 | 16225.6 | 328177 |
| 9600B | 147537 | 16571.8 | 328789 |
| 9610A | 153319 | 18600.5 | 332374 |
| 9610 | 153519 | 18670.6 | 332498 |
| 9610B | 153728 | 18675.2 | 332627 |
| 9615 | 156239 | 18730.6 | 334184 |
| 9620 | 168987 | 18860.6 | 342088 |
| 9640A | 169140 | 18864.4 | 342183 |
| 9640 | 170598 | 18900.6 | 343087 |
| 9640B | 171571 | 18900.6 | 341673 |
| 9650A | 174145 | 18900.6 | 337933 |
| 9650 | 175133 | 18900.6 | 336497 |
| 9650B | 176597 | 19008.7 | 337436 |
| 9660 | 178619 | 19157.9 | 338734 |
| 9670A | 180672 | 19309.6 | 340055 |
| 9670 | 182102 | 19415.3 | 340975 |
| 9670B | 181260 | 19415.3 | 342457 |
| 9680A | 178500 | 19415.3 | 347312 |
| 9680 | 177654 | 19415.3 | 348800 |
| 9680B | 179097 | 19451.4 | 349719 |
| 9690 | 179253 | 19455.3 | 349818 |
| 9700 | 191060 | 20438.3 | 357340 |
| 9710 | 202868 | 21421.3 | 364862 |
| 9720 | 214532 | 22404.3 | 372605 |
| 9730 | 226862 | 23443.3 | 380791 |
| 9750A | 227226 | 23483 | 381032 |
| 9750 | 228695 | 23643.3 | 382007 |
| 9750B | 229699 | 23643.3 | 380549 |
| 9760A | 232242 | 23643.3 | 376853 |
| 9760 | 233230 | 23643.3 | 375417 |
| 9760B | 234695 | 23744 | 376357 |
| 9770 | 236428 | 23863.3 | 377470 |
| 9780A | 238064 | 23975.9 | 378521 |
| 9780 | 239625 | 24083.3 | 379523 |
| 9780B | 238572 | 24083.3 | 381054 |
| 9790A | 236128 | 24083.3 | 384606 |
| 9790 | 235090 | 24083.3 | 386114 |
| 9790B | 236609 | 24249 | 387122 |
| 9795 | 236923 | 24283.3 | 387330 |
| 9800 | 249420 | 25336.3 | 395627 |
| 9810 | 256918 | 25968.3 | 400604 |
| 9830A | 260150 | 26235.2 | 402750 |
| 9830 | 261084 | 26312.3 | 403370 |
| 9830B | 260939 | 26304.6 | 404484 |

| Coordinates (1054) | | | |
|--------------------|--------|---------|--------|
| Node | X (mm) | Y (mm) | Z (mm) |
| 9840 | 259382 | 26222.3 | 416460 |
| 9850 | 257447 | 26118.3 | 431334 |
| 9910 | 255572 | 26014.3 | 446217 |
| 9920A | 254044 | 25929.1 | 458347 |
| 9920 | 253884 | 25920.3 | 459611 |
| 9920B | 255023 | 25911.4 | 460181 |
| 9930 | 258354 | 25885.3 | 461851 |
| 9940 | 271765 | 25781.3 | 468571 |
| 9950 | 285175 | 25677.3 | 475291 |
| 9970 | 294145 | 25607.3 | 479711 |
| 9980 | 305403 | 25520.3 | 485258 |
| 9990A | 306484 | 25399.8 | 485791 |
| 9990 | 308094 | 25220.3 | 486584 |
| 9990B | 308888 | 25220.3 | 484964 |
| 10000A | 310826 | 25220.3 | 481008 |
| 10000 | 311614 | 25220.3 | 479401 |
| 10000B | 313223 | 25122.8 | 480178 |
| 10010 | 316566 | 24920.3 | 481794 |
| 10020A | 319933 | 24716.3 | 483421 |
| 10020 | 321518 | 24620.3 | 484187 |
| 10020B | 320784 | 24620.3 | 485790 |
| 10030A | 318904 | 24620.3 | 489899 |
| 10030 | 318189 | 24620.3 | 491462 |
| 10030B | 319709 | 24449.3 | 492245 |
| 10040 | 320856 | 24320.3 | 492836 |
| 10050 | 331523 | 23390.3 | 498331 |
| 10055 | 340413 | 22615.3 | 502911 |
| 10060A | 343828 | 22105.6 | 504671 |
| 10060 | 345391 | 21872.3 | 505476 |
| 10060B | 344602 | 21872.3 | 507065 |
| 10100 | 343523 | 21872.3 | 509238 |
| 10105 | 339519 | 21872.3 | 517298 |
| 10110 | 332847 | 21872.3 | 530733 |
| 10150 | 326184 | 21091.9 | 544149 |
| 10160A | 326092 | 21074.7 | 544334 |
| 10160 | 325520 | 20967.4 | 545488 |
| 10160B | 326435 | 20883.4 | 546397 |
| 10170 | 332971 | 20283.4 | 552886 |
| 10180 | 343607 | 19306.4 | 563463 |
| 10190 | 352477 | 18492.4 | 572270 |
| 10200A | 353385 | 18377.3 | 573172 |
| 10200 | 354606 | 18222.4 | 574384 |
| 10200B | 355873 | 18222.4 | 573209 |
| 10210A | 359200 | 18222.4 | 570123 |
| 10210 | 360471 | 18222.4 | 568943 |
| 10210B | 361695 | 18137.4 | 570168 |
| 10220 | 364360 | 17952.4 | 572832 |
| 10230A | 367039 | 17766.4 | 575512 |

| Coordinates (1054) | | | |
|--------------------|--------|---------|--------|
| Node | X (mm) | Y (mm) | Z (mm) |
| 10230 | 368249 | 17682.4 | 576721 |
| 10230B | 367099 | 17682.4 | 577991 |
| 10240A | 364030 | 17682.4 | 581381 |
| 10240 | 362879 | 17682.4 | 582651 |
| 10240B | 364088 | 17528.8 | 583858 |
| 10250 | 365002 | 17412.4 | 584771 |
| 10260 | 373918 | 16642.4 | 593675 |
| 10270 | 384532 | 15747.4 | 604274 |
| 10280 | 395146 | 14852.4 | 614873 |
| 10290 | 405760 | 13957.4 | 625472 |
| 10300A | 416183 | 13077.6 | 635880 |
| 10300 | 416516 | 13049.4 | 636212 |
| 10300B | 416969 | 13022 | 636338 |
| 10310 | 417672 | 12979.4 | 636534 |
| 10320 | 428269 | 12323.4 | 639483 |
| 10330 | 438866 | 11667.4 | 642432 |
| 10340A | 439558 | 11624.4 | 642625 |
| 10340 | 441275 | 11517.4 | 643103 |
| 10340B | 441768 | 11517.4 | 641387 |
| 10350A | 442977 | 11517.4 | 637176 |
| 10350 | 443483 | 11517.4 | 635413 |
| 10350B | 445233 | 11412.8 | 635952 |
| 10360 | 446829 | 11317.4 | 636442 |
| 10370A | 448509 | 11217 | 636959 |
| 10370 | 450174 | 11117.4 | 637471 |
| 10370B | 449714 | 11117.4 | 639154 |
| 10380A | 448533 | 11117.4 | 643468 |
| 10380 | 448063 | 11117.4 | 645187 |
| 10380B | 449775 | 11010.7 | 645673 |
| 10390 | 450468 | 10967.4 | 645870 |
| 10400 | 465860 | 10567.4 | 650238 |
| 10410 | 481252 | 10167.4 | 654606 |
| 10420 | 496644 | 9767.44 | 658974 |
| 10430 | 512037 | 9367.44 | 663342 |
| 10440 | 527429 | 8967.44 | 667710 |
| 10450 | 541570 | 8601.44 | 671723 |
| 10460A | 542742 | 8560.84 | 672056 |
| 10460 | 544457 | 8501.44 | 672542 |
| 10460B | 544960 | 8501.44 | 670832 |
| 10470A | 546211 | 8501.44 | 666574 |
| 10470 | 546713 | 8501.44 | 664867 |
| 10470B | 548426 | 8469.1 | 665349 |
| 10480 | 552008 | 8401.44 | 666357 |
| 10490A | 555586 | 8333.86 | 667364 |
| 10490 | 557302 | 8301.44 | 667847 |
| 10490B | 556835 | 8301.44 | 669568 |
| 10500A | 555671 | 8301.44 | 673856 |
| 10500 | 555206 | 8301.44 | 675568 |

| Coordinates (1054) | | | |
|--------------------|--------|---------|--------|
| Node | X (mm) | Y (mm) | Z (mm) |
| 10500B | 556910 | 8242.34 | 676057 |
| 10510 | 558089 | 8201.44 | 676396 |
| 10520 | 570104 | 8271.44 | 679846 |
| 10530 | 584521 | 8351.44 | 683987 |
| 10540 | 596055 | 8417.44 | 687300 |
| 10560 | 607313 | 8483.44 | 690483 |
| 10580 | 620304 | 8558.44 | 694156 |
| 10590 | 634738 | 8641.44 | 698237 |
| 10600 | 649177 | 8724.44 | 702300 |
| 10610A | 649844 | 8735.53 | 702488 |
| 10610 | 651584 | 8764.44 | 702978 |
| 10610B | 652066 | 8764.44 | 701236 |
| 10620A | 653235 | 8764.44 | 697017 |
| 10620 | 653719 | 8764.44 | 695268 |
| 10620B | 655464 | 8816.29 | 695767 |
| 10630 | 657084 | 8864.44 | 696231 |
| 10640A | 658748 | 8913.89 | 696707 |
| 10640 | 660449 | 8964.44 | 697194 |
| 10640B | 659991 | 8964.44 | 698903 |
| 10650A | 658836 | 8964.44 | 703209 |
| 10650 | 658377 | 8964.44 | 704921 |
| 10650B | 660080 | 9035.28 | 705406 |
| 10660 | 660782 | 9064.44 | 705606 |
| 10670 | 675208 | 9552.44 | 709715 |
| 10680 | 689634 | 10040.4 | 713824 |
| 10690A | 703552 | 10513.2 | 717788 |
| 10690 | 704059 | 10530.4 | 717932 |
| 10690B | 704407 | 10577.6 | 718326 |
| 10700 | 705849 | 10772.4 | 719954 |
| 10705 | 714465 | 11949.4 | 729688 |
| 10710 | 720828 | 12795.4 | 736876 |
| 10720A | 721692 | 12925.8 | 737853 |
| 10720 | 722817 | 13095.4 | 739123 |
| 10720B | 724153 | 13095.4 | 738064 |
| 10730A | 727761 | 13095.4 | 735206 |
| 10730 | 729088 | 13095.4 | 734155 |
| 10730B | 730214 | 13236.5 | 735410 |
| 10740 | 732762 | 13555.4 | 738248 |
| 10750A | 735267 | 13869 | 741037 |
| 10750 | 736437 | 14015.4 | 742340 |
| 10750B | 735158 | 14015.4 | 743546 |
| 10760A | 731887 | 14015.4 | 746628 |
| 10760 | 730614 | 14015.4 | 747827 |
| 10760B | 731770 | 14189.4 | 749127 |
| 10770 | 732607 | 14315.4 | 750069 |
| 10780 | 740972 | 15447.4 | 759492 |
| 10790 | 750930 | 16803.4 | 770710 |
| 10800 | 760888 | 18150.4 | 781928 |

| Coordinates (1054) | | | |
|--------------------|--------|---------|--------|
| Node | X (mm) | Y (mm) | Z (mm) |
| 10810A | 764286 | 18569.9 | 785751 |
| 10810 | 764542 | 18601.4 | 786038 |
| 10810B | 764894 | 18621.5 | 786196 |
| 10820 | 773575 | 19117.4 | 790089 |
| 10830 | 783612 | 19690.4 | 794591 |
| 10840 | 797299 | 20472.4 | 800728 |
| 10850A | 797982 | 20502.4 | 801035 |
| 10850 | 799580 | 20572.4 | 801751 |
| 10850B | 800339 | 20572.4 | 800171 |
| 10860A | 802278 | 20572.4 | 796138 |
| 10860 | 803045 | 20572.4 | 794541 |
| 10860B | 804652 | 20673.5 | 795282 |
| 10870 | 806223 | 20772.4 | 796007 |
| 10880A | 807815 | 20872.6 | 796742 |
| 10880 | 809401 | 20972.4 | 797474 |
| 10880B | 808714 | 20972.4 | 799083 |
| 10890A | 806944 | 20972.4 | 803226 |
| 10890 | 806258 | 20972.4 | 804831 |
| 10890B | 807840 | 21042.2 | 805565 |
| 10900 | 808526 | 21072.4 | 805883 |
| 10910 | 822132 | 21854.4 | 812199 |
| 10920 | 836645 | 22688.4 | 818935 |
| 10930A | 850608 | 23490.9 | 825416 |
| 10930 | 851157 | 23522.4 | 825671 |
| 10930B | 851440 | 23612.4 | 826201 |
| 10940 | 851957 | 23777.4 | 827172 |
| 10950 | 859105 | 26057.4 | 840586 |
| 10960 | 860516 | 26457.4 | 843233 |
| 10980 | 862998 | 26527.4 | 848142 |
| 10990 | 865479 | 26597.4 | 853050 |
| 11010 | 866857 | 26787.4 | 855715 |
| 11020A | 871332 | 27649.2 | 864373 |
| 11020 | 871770 | 27733.4 | 865220 |
| 11020B | 872717 | 27818.7 | 865327 |
| 11030 | 873658 | 27903.4 | 865433 |
| 11070 | 888564 | 27903.4 | 867112 |
| 11080 | 903469 | 27903.4 | 868792 |
| 11120A | 914233 | 27903.4 | 870005 |
| 11120 | 915394 | 27903.4 | 870136 |
| 11120B | 915748 | 27989.9 | 871245 |
| 11130 | 916606 | 28199.5 | 873936 |
| 11140 | 919935 | 29013.1 | 884375 |
| 11150A | 920191 | 29075.6 | 885177 |
| 11150 | 920541 | 29161.2 | 886275 |
| 11150B | 921689 | 29161.2 | 886415 |
| 11160 | 923023 | 29161.2 | 886578 |
| 11170 | 923519 | 29161.2 | 886638 |
| 11175 | 924611 | 29161.2 | 886771 |

| Coordinates (1054) | | | |
|--------------------|----------|----------|----------|
| Node | X (mm) | Y (mm) | Z (mm) |
| 11180 | 932552 | 29161.2 | 887739 |
| 11185 | 943472 | 29161.2 | 889070 |
| 11190 | 954391 | 29161.2 | 890400 |
| 11195 | 965310 | 29161.2 | 891731 |
| 11200 | 977222 | 29161.2 | 893182 |
| 12000A | -527.378 | 2455.94 | 15486.8 |
| 12000 | -527.378 | 4255.94 | 15486.8 |
| 12000B | -649.426 | 4255.94 | 13690.9 |
| 12010A | -685.329 | 4255.94 | 13162.6 |
| 12010 | -807.378 | 4255.94 | 11366.8 |
| 12010B | -807.378 | 2455.94 | 11366.8 |
| 12020 | -807.378 | 2255.94 | 11366.8 |
| 12030 | -807.378 | 858.941 | 11366.8 |
| 12100A | -3299.12 | 160.52 | 8975.71 |
| 12100 | -2872.39 | 129.385 | 7195.53 |
| 12100B | -2872.39 | 1960.26 | 7195.53 |
| 12110A | -2872.39 | 1960.26 | 7195.53 |
| 12110 | -2872.39 | 3729.38 | 7195.53 |
| 12110B | -1161.52 | 3729.38 | 7645.76 |
| 12120A | -680.201 | 3729.38 | 7772.42 |
| 12120 | 927.608 | 3729.38 | 8195.53 |
| 12120B | 1047.75 | 2072.32 | 8256.82 |
| 12500 | -3250.16 | 94.7882 | 4829.66 |
| 12510 | -3576.16 | 94.7882 | 4749.66 |
| 12520 | -4782.16 | 94.7882 | 4452.66 |
| 12530 | -14102.2 | -905.212 | 2062.66 |
| 12540A | -16448.2 | -1107.22 | 1484.23 |
| 12540 | -17586.2 | -1205.21 | 1203.66 |
| 12540B | -17586.2 | -1205.21 | 27.533 |
| 12550 | -17586.2 | -1205.21 | -5308.34 |
| 12560A | -17586.2 | -1205.21 | -5713.34 |
| 12560 | -17586.2 | -1205.21 | -7213.34 |
| 12560B | -18998.5 | -1710.41 | -7213.34 |
| 12580A | -24560.8 | -3700.01 | -7213.34 |
| 12580 | -25973.2 | -4205.21 | -7213.34 |
| 12580B | -25973.2 | -4205.21 | -8713.34 |
| 12590 | -25973.2 | -4205.21 | -11213.3 |
| 12700A | 1964.66 | 1575.1 | 5090.83 |
| 12700 | 1964.66 | 3075.1 | 5090.83 |
| 12700B | 508.129 | 3075.1 | 4732.32 |
| 12710A | -1.8693 | 3075.1 | 4606.79 |
| 12710 | -1458.4 | 3075.1 | 4248.29 |
| 12710B | -1458.4 | 1575.1 | 4248.29 |
| 12720A | -1458.4 | 1575.1 | 4248.29 |
| 12720 | -1458.4 | 75.0952 | 4248.29 |
| 12720B | -2914.92 | 75.0952 | 3889.78 |
| 12730 | -2914.92 | 75.0952 | 3889.78 |
| 12740 | -3240.92 | 75.0952 | 3809.78 |

| Coordinates (1054) | | | | | | | | | | | | |
|--|----------|-----------------|----------|-----------|-------------|-----------|------------------|--------------|------------------|--------------|------|--|
| Node | X (mm) | Y (mm) | Z (mm) | | | | | | | | | |
| 12750 | -4446.92 | 75.0952 | 3512.78 | | | | | | | | | |
| 12760 | -13766.9 | -924.905 | 1122.78 | | | | | | | | | |
| 12770A | -15280.9 | -1096.3 | 749.709 | | | | | | | | | |
| 12770 | -16416.9 | -1224.9 | 469.78 | | | | | | | | | |
| 12770B | -16416.9 | -1224.9 | -707.253 | | | | | | | | | |
| 12780 | -16416.9 | -1224.9 | -5183.22 | | | | | | | | | |
| 12790A | -16416.9 | -1224.9 | -6683.22 | | | | | | | | | |
| 12790 | -16416.9 | -1224.9 | -8183.22 | | | | | | | | | |
| 12790B | -17829.3 | -1730.1 | -8183.22 | | | | | | | | | |
| 12810A | -23391.6 | -3719.71 | -8183.22 | | | | | | | | | |
| 12810 | -24803.9 | -4224.9 | -8183.22 | | | | | | | | | |
| 12810B | -24803.9 | -4224.9 | -9683.22 | | | | | | | | | |
| 12820 | -24803.9 | -4224.9 | -11183.2 | | | | | | | | | |
| Pipe material 01: EN 1.0345 (P235GH) max 60 mm | | | | | | | | | | | | |
| Density = 7850 (kg/m3), Nu = 0.300, Joint factor = 1.00, Type = CS Tensile strength = 240.0 (MPa) | | | | | | | | | | | | |
| Temp (C) | E (MPa) | Alpha (mm/mm/C) | ff (MPa) | fCR (MPa) | | | | | | | | |
| 20 | 212000 | 11.90E-6 | 143.3 | | | | | | | | | |
| 50 | 209500 | 12.20E-6 | 137.3 | | | | | | | | | |
| 100 | 207000 | 12.50E-6 | 126.7 | | | | | | | | | |
| 150 | 203000 | 12.75E-6 | 120.0 | | | | | | | | | |
| 200 | 199000 | 13.00E-6 | 113.3 | | | | | | | | | |
| 250 | 195500 | 13.30E-6 | 100.0 | | | | | | | | | |
| 300 | 192000 | 13.60E-6 | 86.70 | | | | | | | | | |
| 350 | 188000 | 13.85E-6 | 80.00 | | | | | | | | | |
| 400 | 184000 | 14.10E-6 | 73.30 | | | | | | | | | |
| Pipe Sections (4) | | | | | | | | | | | | |
| Name | Nom Dia | Sch | OD (mm) | Thk (mm) | Cor.Al (mm) | M.Tol (%) | Ins.Dens (kg/m3) | Ins.Thk (mm) | Lin.Dens (kg/m3) | Lin.Thk (mm) | Soil | |
| 800 | 800 | 3 | 813 | 12.5 | 1 | 13.0 | 136 | 200 | | | | |
| 700 | 700 | 3 | 711 | 12.5 | 1 | 13.0 | 136.16 | 200 | | | | |
| 600 | 600 | 3 | 610 | 12.5 | 1 | 13.0 | 136 | 200 | | | | |
| 500 | 500 | 3 | 508 | 11 | 1 | 13.0 | 136.16 | 200 | | | | |
| Wind load 1 | | | | | | | | | | | | |
| Shape factor = 0.60 Wind direction: X comp = 1.000, Y comp = 0.000, Z comp = 0.000 | | | | | | | | | | | | |
| Elevation (m) | | Velocity (kmh) | | | | | | | | | | |
| 0 | | 0 | | | | | | | | | | |
| 30 | | 70 | | | | | | | | | | |
| 50 | | 100 | | | | | | | | | | |
| Wind load 2 | | | | | | | | | | | | |
| Shape factor = 0.60 Wind direction: X comp = -1.000, Y comp = 0.000, Z comp = 0.000 | | | | | | | | | | | | |
| Elevation (m) | | Velocity (kmh) | | | | | | | | | | |
| 0 | | 0 | | | | | | | | | | |

| | | | | | | | | | | | | | | | |
|--|----------------|----------|------------------|----------------------|-----------|----------|-------|----------------------|----------|-------------|----------|-----------------------|----------|-------------|----------|
| Elevation (m) | Velocity (kmh) | | | | | | | | | | | | | | |
| 30 | 70 | | | | | | | | | | | | | | |
| 50 | 100 | | | | | | | | | | | | | | |
| Wind load 3 | | | | | | | | | | | | | | | |
| Shape factor = 0.60 Wind direction: X comp = 0.000, Y comp = 0.000, Z comp = 1.000 | | | | | | | | | | | | | | | |
| Elevation (m) | Velocity (kmh) | | | | | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | | | | | |
| 30 | 70 | | | | | | | | | | | | | | |
| 50 | 100 | | | | | | | | | | | | | | |
| Wind load 4 | | | | | | | | | | | | | | | |
| Shape factor = 0.60 Wind direction: X comp = 0.000, Y comp = 0.000, Z comp = -1.000 | | | | | | | | | | | | | | | |
| Elevation (m) | Velocity (kmh) | | | | | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | | | | | |
| 30 | 70 | | | | | | | | | | | | | | |
| 50 | 100 | | | | | | | | | | | | | | |
| Pipe Loads (3) | | | | | | | | | | | | | | | |
| Name | T1 (C) | P1 (bar) | Specific gravity | Add.Wgt. (kg/m) | Wind Load | | | | | | | | | | |
| 140 | 140 | 25.0 | 1.0 | | Y | | | | | | | | | | |
| 90 | 90 | 25.0 | 1.0 | | Y | | | | | | | | | | |
| 70 | 70 | 25.0 | 1.0 | | Y | | | | | | | | | | |
| EN 13480 (2012) Code compliance (Sorted stresses) | | | | | | | | | | | | | | | |
| Sustained (12.3.2-1) | | | | Expansion (12.3.4-1) | | | | Expansion (12.3.4-2) | | | | Occasional (12.3.3-1) | | | |
| Node | S1 (MPa) | ff (MPa) | S1/ff | Node | S3 (MPa) | fa (MPa) | S3/fa | Node | S4 (MPa) | ff+fa (MPa) | S4/ff+fa | Node | S2 (MPa) | 1.2ff (MPa) | S2/1.2ff |
| 9522 | 93.99 | 121.3 | 0.77 | 4620B | 74.43 | 125.3 | 0.59 | 4620B | 112.5 | 246.7 | 0.46 | 10920 | 95.20 | 145.6 | 0.66 |
| 930 | 95.32 | 133.1 | 0.72 | 4640A | 74.22 | 125.3 | 0.59 | 4640A | 111.8 | 246.7 | 0.45 | 9522 | 94.99 | 145.6 | 0.66 |
| 40B | 94.58 | 133.1 | 0.71 | 4470B | 70.42 | 125.3 | 0.56 | 10480 | 111.7 | 246.7 | 0.45 | 11130 | 93.62 | 145.6 | 0.66 |
| 40A | 93.97 | 133.1 | 0.71 | 3070B | 70.34 | 125.3 | 0.56 | 40B | 119.2 | 264.2 | 0.45 | 4920 | 92.43 | 145.6 | 0.66 |
| 230 | 93.19 | 133.1 | 0.70 | 10620B | 70.06 | 125.3 | 0.56 | 40A | 119.1 | 264.2 | 0.45 | 11080 | 91.52 | 145.6 | 0.66 |
| 730 | 93.00 | 133.1 | 0.70 | 3090A | 69.59 | 125.3 | 0.56 | 10620B | 109.8 | 246.7 | 0.45 | 5080 | 90.41 | 145.6 | 0.66 |
| 1870 | 92.97 | 133.1 | 0.70 | 10640A | 69.58 | 125.3 | 0.56 | 10640A | 108.9 | 246.7 | 0.44 | 930 | 96.20 | 159.7 | 0.66 |
| 1590 | 91.75 | 133.1 | 0.69 | 4490A | 69.50 | 125.3 | 0.55 | 3070B | 108.5 | 246.7 | 0.44 | 730 | 96.19 | 159.7 | 0.66 |
| 3930 | 83.05 | 121.3 | 0.68 | 4370A | 68.16 | 125.3 | 0.54 | 3090A | 108.1 | 246.7 | 0.44 | 1870 | 95.91 | 159.7 | 0.66 |
| 590 | 88.71 | 133.1 | 0.67 | 4350B | 67.63 | 125.3 | 0.54 | 4370A | 106.1 | 246.7 | 0.43 | 5120A | 87.09 | 145.6 | 0.66 |
| 9550 | 80.19 | 121.3 | 0.66 | 10470B | 66.85 | 125.3 | 0.53 | 4350B | 105.8 | 246.7 | 0.43 | 3930 | 86.91 | 145.6 | 0.66 |
| 1360 | 87.90 | 133.1 | 0.66 | 9070B | 66.56 | 125.3 | 0.53 | 9090A | 105.6 | 246.7 | 0.43 | 5130 | 86.75 | 145.6 | 0.66 |
| 1400 | 83.56 | 133.1 | 0.63 | 9090A | 66.28 | 125.3 | 0.53 | 30B | 112.7 | 264.2 | 0.43 | 11120A | 86.68 | 145.6 | 0.66 |
| 910 | 82.04 | 133.1 | 0.62 | 10490A | 65.61 | 125.3 | 0.52 | 9070B | 105.2 | 246.7 | 0.43 | 40B | 94.90 | 159.7 | 0.55 |
| 3590 | 74.79 | 121.3 | 0.62 | 10370A | 65.14 | 125.3 | 0.52 | 10370A | 104.8 | 246.7 | 0.42 | 5195 | 86.16 | 145.6 | 0.55 |
| 20 | 81.37 | 133.1 | 0.61 | 3400A | 64.88 | 125.3 | 0.52 | 4470B | 104.6 | 246.7 | 0.42 | 40A | 94.28 | 159.7 | 0.55 |
| 9930 | 74.03 | 121.3 | 0.61 | 10350B | 63.99 | 125.3 | 0.51 | 22 | 111.7 | 264.2 | 0.42 | 5120B | 85.95 | 145.6 | 0.55 |
| 9810 | 73.53 | 121.3 | 0.61 | 9400A | 62.96 | 125.3 | 0.50 | 10350B | 103.2 | 246.7 | 0.42 | 230 | 93.60 | 159.7 | 0.55 |
| 290 | 80.39 | 133.1 | 0.60 | 4880A | 62.00 | 125.3 | 0.49 | 4490A | 103.1 | 246.7 | 0.42 | 9550 | 84.57 | 145.6 | 0.55 |
| 3860 | 71.96 | 121.3 | 0.59 | 3220B | 61.58 | 125.3 | 0.49 | 10470B | 101.9 | 246.7 | 0.41 | 11195 | 84.34 | 145.6 | 0.55 |
| 615 | 78.74 | 133.1 | 0.59 | 4860B | 61.35 | 125.3 | 0.49 | 230 | 109.0 | 264.2 | 0.41 | 1590 | 92.00 | 159.7 | 0.55 |

| EN 13480 (2012) Code compliance (Sorted stresses) | | | | | | | | | | | | | | | |
|---|-------------|-------------|----------|----------------------|-------------|-------------|----------|----------------------|-------------|----------------|-------------|-----------------------|-------------|----------------|-----------|
| Sustained (12.3.2-1) | | | | Expansion (12.3.4-1) | | | | Expansion (12.3.4-2) | | | | Occasional (12.3.3-1) | | | |
| Node | S1 (MPa) | ff (MPa) | S1 ff | Node | S3 (MPa) | fa (MPa) | S3 fa | Node | S4 (MPa) | ff+fa (MPa) | S4 ff+fa | Node | S2 (MPa) | 1.2ff (MPa) | S2 1.2 |
| 9006 | 71.70 | 121.3 | 0.59 | 9220B | 60.60 | 125.3 | 0.48 | 30A | 108.8 | 264.2 | 0.41 | 11120B | 83.30 | 145.6 | 0.5 |
| 460 | 78.47 | 133.1 | 0.59 | 10880A | 59.08 | 125.3 | 0.47 | 4480 | 101.4 | 246.7 | 0.41 | 1360 | 90.15 | 159.7 | 0.5 |
| 180 | 78.33 | 133.1 | 0.59 | 10860B | 57.52 | 125.3 | 0.46 | 10740 | 101.2 | 246.7 | 0.41 | 590 | 89.41 | 159.7 | 0.5 |
| 10480 | 71.15 | 121.3 | 0.59 | 9100B | 57.29 | 125.3 | 0.46 | 3460 | 100.3 | 246.7 | 0.41 | 2195 | 86.71 | 159.7 | 0.5 |
| 10220 | 71.03 | 121.3 | 0.59 | 3240A | 56.93 | 125.3 | 0.45 | 3400A | 99.89 | 246.7 | 0.40 | 9930 | 78.26 | 145.6 | 0.5 |
| 30B | 77.57 | 133.1 | 0.58 | 3470A | 56.64 | 125.3 | 0.45 | 10490A | 99.84 | 246.7 | 0.40 | 910 | 84.36 | 159.7 | 0.5 |
| 3460 | 70.72 | 121.3 | 0.58 | 9060A | 56.61 | 125.3 | 0.45 | 9400A | 99.63 | 246.7 | 0.40 | 1400 | 83.70 | 159.7 | 0.5 |
| 10010 | 70.54 | 121.3 | 0.58 | 3470B | 56.38 | 125.3 | 0.45 | 9080 | 99.62 | 246.7 | 0.40 | 9810 | 75.93 | 145.6 | 0.5 |
| 3615 | 70.19 | 121.3 | 0.58 | 3100B | 55.98 | 125.3 | 0.45 | 10220 | 99.09 | 246.7 | 0.40 | 2080 | 83.14 | 159.7 | 0.5 |
| 140 | 76.81 | 133.1 | 0.58 | 3380B | 55.51 | 125.3 | 0.44 | 4880A | 98.86 | 246.7 | 0.40 | 3590 | 75.58 | 145.6 | 0.5 |
| 3160 | 70.03 | 121.3 | 0.58 | 4750A | 54.91 | 125.3 | 0.44 | 4860B | 98.80 | 246.7 | 0.40 | 3860 | 75.48 | 145.6 | 0.5 |
| 10740 | 69.87 | 121.3 | 0.58 | 9240A | 54.12 | 125.3 | 0.43 | 1710 | 105.7 | 264.2 | 0.40 | 1920 | 82.01 | 159.7 | 0.5 |
| 3524 | 69.63 | 121.3 | 0.57 | 3280A | 54.11 | 125.3 | 0.43 | 3220B | 98.42 | 246.7 | 0.40 | 20 | 81.67 | 159.7 | 0.5 |
| 480 | 76.34 | 133.1 | 0.57 | 3280B | 53.92 | 125.3 | 0.43 | 9220B | 98.20 | 246.7 | 0.40 | 1910 | 81.54 | 159.7 | 0.5 |
| 1910 | 76.32 | 133.1 | 0.57 | 9470A | 53.83 | 125.3 | 0.43 | 9100B | 97.87 | 246.7 | 0.40 | 615 | 81.06 | 159.7 | 0.5 |
| 1580 | 76.16 | 133.1 | 0.57 | 9280A | 53.70 | 125.3 | 0.43 | 9390 | 97.77 | 246.7 | 0.40 | 290 | 80.68 | 159.7 | 0.5 |
| 3480 | 69.43 | 121.3 | 0.57 | 9470B | 53.53 | 125.3 | 0.43 | 10880A | 97.66 | 246.7 | 0.40 | 5070 | 73.33 | 145.6 | 0.5 |
| 1800 | 75.68 | 133.1 | 0.57 | 3060A | 53.49 | 125.3 | 0.43 | 10860B | 96.79 | 246.7 | 0.39 | 9840 | 73.05 | 145.6 | 0.5 |
| 160 | 75.45 | 133.1 | 0.57 | 9280B | 53.48 | 125.3 | 0.43 | 9522 | 96.53 | 246.7 | 0.39 | 11070 | 72.77 | 145.6 | 0.5 |
| 3140 | 68.69 | 121.3 | 0.57 | 10750A | 52.57 | 125.3 | 0.42 | 9280A | 96.49 | 246.7 | 0.39 | 460 | 79.39 | 159.7 | 0.5 |
| 1630 | 75.24 | 133.1 | 0.57 | 4730B | 52.18 | 125.3 | 0.42 | 10010 | 96.39 | 246.7 | 0.39 | 9006 | 72.14 | 145.6 | 0.5 |
| 9840 | 68.33 | 121.3 | 0.56 | 3400B | 50.50 | 125.3 | 0.40 | 3280A | 96.37 | 246.7 | 0.39 | 10950 | 72.03 | 145.6 | 0.4 |
| 3500 | 67.86 | 121.3 | 0.56 | 10720A | 50.08 | 125.3 | 0.40 | 1360 | 103.1 | 264.2 | 0.39 | 3460 | 71.67 | 145.6 | 0.4 |
| 9160 | 67.83 | 121.3 | 0.56 | 4210B | 50.05 | 125.3 | 0.40 | 9460 | 96.15 | 246.7 | 0.39 | 180 | 78.52 | 159.7 | 0.4 |
| 9500 | 67.81 | 121.3 | 0.56 | 4620A | 49.99 | 125.3 | 0.40 | 9060A | 95.80 | 246.7 | 0.39 | 4950 | 71.57 | 145.6 | 0.4 |
| 9460 | 67.61 | 121.3 | 0.56 | 9380B | 49.87 | 125.3 | 0.40 | 3100B | 95.68 | 246.7 | 0.39 | 3480 | 71.56 | 145.6 | 0.4 |
| 9910 | 67.60 | 121.3 | 0.56 | 4640B | 49.85 | 125.3 | 0.40 | 3470B | 95.29 | 246.7 | 0.39 | 3615 | 71.53 | 145.6 | 0.4 |
| 10920 | 67.44 | 121.3 | 0.56 | 10730B | 49.36 | 125.3 | 0.39 | 10630 | 95.13 | 246.7 | 0.39 | 2030 | 78.36 | 159.7 | 0.4 |
| 330 | 73.86 | 133.1 | 0.56 | 9400B | 49.15 | 125.3 | 0.39 | 3280B | 94.83 | 246.7 | 0.38 | 5010 | 71.46 | 145.6 | 0.4 |
| 9008 | 67.31 | 121.3 | 0.55 | 4720A | 48.43 | 125.3 | 0.39 | 9280B | 94.58 | 246.7 | 0.38 | 10480 | 71.25 | 145.6 | 0.4 |
| 720 | 73.75 | 133.1 | 0.55 | 10210B | 47.94 | 125.3 | 0.38 | 3240A | 94.22 | 246.7 | 0.38 | 10220 | 71.18 | 145.6 | 0.4 |
| 9615 | 67.08 | 121.3 | 0.55 | 4300B | 47.92 | 125.3 | 0.38 | 9230 | 93.71 | 246.7 | 0.38 | 9910 | 71.12 | 145.6 | 0.4 |
| 22 | 73.53 | 133.1 | 0.55 | 1720A | 49.38 | 131.1 | 0.38 | 20 | 100.3 | 264.2 | 0.38 | 480 | 77.93 | 159.7 | 0.4 |
| 9480 | 67.04 | 121.3 | 0.55 | 4370B | 47.12 | 125.3 | 0.38 | 1870 | 100.0 | 264.2 | 0.38 | 9500 | 71.04 | 145.6 | 0.4 |
| 500 | 73.17 | 133.1 | 0.55 | 4470A | 46.91 | 125.3 | 0.37 | 3400B | 93.41 | 246.7 | 0.38 | 30B | 77.88 | 159.7 | 0.4 |
| 30A | 73.17 | 133.1 | 0.55 | 10300B | 46.82 | 125.3 | 0.37 | 3380B | 92.79 | 246.7 | 0.38 | 3500 | 71.00 | 145.6 | 0.4 |
| 3550 | 66.33 | 121.3 | 0.55 | 4230A | 46.80 | 125.3 | 0.37 | 1830 | 99.09 | 264.2 | 0.38 | 10010 | 70.91 | 145.6 | 0.4 |
| 1290 | 72.40 | 133.1 | 0.54 | 10620A | 46.56 | 125.3 | 0.37 | 730 | 98.97 | 264.2 | 0.37 | 1800 | 77.63 | 159.7 | 0.4 |
| 9140 | 65.83 | 121.3 | 0.54 | 1470B | 48.59 | 131.1 | 0.37 | 1590 | 98.90 | 264.2 | 0.37 | 3524 | 70.76 | 145.6 | 0.4 |
| 4290 | 64.96 | 121.3 | 0.54 | 10640B | 46.15 | 125.3 | 0.37 | 3060A | 92.35 | 246.7 | 0.37 | 3550 | 70.70 | 145.6 | 0.4 |
| 4800 | 64.96 | 121.3 | 0.54 | 1490A | 48.24 | 131.1 | 0.37 | 10360 | 92.04 | 246.7 | 0.37 | 2120B | 77.16 | 159.7 | 0.4 |
| 3840 | 64.83 | 121.3 | 0.53 | 4300A | 45.65 | 125.3 | 0.36 | 9240A | 91.99 | 246.7 | 0.37 | 3160 | 70.29 | 145.6 | 0.4 |
| 4920 | 64.76 | 121.3 | 0.53 | 4630 | 45.56 | 125.3 | 0.36 | 3080 | 91.95 | 246.7 | 0.37 | 2010 | 77.05 | 159.7 | 0.4 |
| 3810 | 64.74 | 121.3 | 0.53 | 4880B | 45.35 | 125.3 | 0.36 | 9400B | 91.61 | 246.7 | 0.37 | 140 | 76.96 | 159.7 | 0.4 |
| 740 | 70.88 | 133.1 | 0.53 | 4490B | 45.32 | 125.3 | 0.36 | 9470B | 91.50 | 246.7 | 0.37 | 1580 | 76.87 | 159.7 | 0.4 |
| 10400 | 64.56 | 121.3 | 0.53 | 4020A | 44.98 | 125.3 | 0.36 | 590 | 97.96 | 264.2 | 0.37 | 10740 | 70.03 | 145.6 | 0.4 |

| EN 13480 (2012) Code compliance (Sorted stresses) | | | | | | | | | | | | | | | |
|---|-------------|-------------|----------|----------------------|-------------|-------------|----------|----------------------|-------------|----------------|-------------|-----------------------|-------------|----------------|-----------|
| Sustained (12.3.2-1) | | | | Expansion (12.3.4-1) | | | | Expansion (12.3.4-2) | | | | Occasional (12.3.3-1) | | | |
| Node | S1 (MPa) | ff (MPa) | S1 ff | Node | S3 (MPa) | fa (MPa) | S3 fa | Node | S4 (MPa) | ff+fa (MPa) | S4 ff+fa | Node | S2 (MPa) | 1.2ff (MPa) | S2 1.2 |
| 1830 | 70.49 | 133.1 | 0.53 | 10370B | 44.64 | 125.3 | 0.36 | 3590 | 90.97 | 246.7 | 0.37 | 1630 | 76.78 | 159.7 | 0.4 |
| 9590 | 64.27 | 121.3 | 0.53 | 10300A | 44.59 | 125.3 | 0.36 | 3330 | 90.66 | 246.7 | 0.37 | 11010 | 69.67 | 145.6 | 0.4 |
| 10680 | 63.94 | 121.3 | 0.53 | 4350A | 44.19 | 125.3 | 0.35 | 930 | 96.97 | 264.2 | 0.37 | 3840 | 69.54 | 145.6 | 0.4 |
| 10950 | 63.67 | 121.3 | 0.52 | 10760B | 44.08 | 125.3 | 0.35 | 4740 | 90.43 | 246.7 | 0.37 | 2120A | 76.12 | 159.7 | 0.4 |
| 4950 | 63.60 | 121.3 | 0.52 | 10470A | 44.06 | 125.3 | 0.35 | 4620A | 89.83 | 246.7 | 0.36 | 9480 | 69.30 | 145.6 | 0.4 |
| 10290 | 63.51 | 121.3 | 0.52 | 4000B | 43.90 | 125.3 | 0.35 | 4640B | 89.65 | 246.7 | 0.36 | 160 | 75.63 | 159.7 | 0.4 |
| 1770 | 69.63 | 133.1 | 0.52 | 9250B | 43.79 | 125.3 | 0.35 | 9380B | 89.13 | 246.7 | 0.36 | 3140 | 68.75 | 145.6 | 0.4 |
| 10110 | 63.33 | 121.3 | 0.52 | 10230A | 43.62 | 125.3 | 0.35 | 4470A | 88.91 | 246.7 | 0.36 | 9460 | 68.62 | 145.6 | 0.4 |
| 1950 | 69.33 | 133.1 | 0.52 | 1690A | 45.13 | 131.1 | 0.34 | 4300B | 88.83 | 246.7 | 0.36 | 500 | 75.10 | 159.7 | 0.4 |
| 9390 | 63.22 | 121.3 | 0.52 | 10880B | 43.06 | 125.3 | 0.34 | 9006 | 88.63 | 246.7 | 0.36 | 5030 | 68.38 | 145.6 | 0.4 |
| 11130 | 63.19 | 121.3 | 0.52 | 3080 | 43.00 | 125.3 | 0.34 | 1470B | 94.59 | 264.2 | 0.36 | 9615 | 68.36 | 145.6 | 0.4 |
| 10800 | 62.89 | 121.3 | 0.52 | 4860A | 42.88 | 125.3 | 0.34 | 3470A | 88.32 | 246.7 | 0.36 | 10110 | 68.31 | 145.6 | 0.4 |
| 1710 | 68.63 | 133.1 | 0.52 | 4480 | 42.87 | 125.3 | 0.34 | 4220 | 88.30 | 246.7 | 0.36 | 1950 | 74.75 | 159.7 | 0.4 |
| 4400 | 62.45 | 121.3 | 0.51 | 10630 | 42.80 | 125.3 | 0.34 | 4370B | 88.22 | 246.7 | 0.36 | 9160 | 67.99 | 145.6 | 0.4 |
| 420 | 68.44 | 133.1 | 0.51 | 10020A | 42.75 | 125.3 | 0.34 | 1720A | 94.38 | 264.2 | 0.36 | 9940 | 67.94 | 145.6 | 0.4 |
| 10700 | 62.39 | 121.3 | 0.51 | 3070A | 42.68 | 125.3 | 0.34 | 1490A | 94.25 | 264.2 | 0.36 | 10400 | 67.93 | 145.6 | 0.4 |
| 4680 | 62.38 | 121.3 | 0.51 | 3220A | 42.40 | 125.3 | 0.34 | 3390 | 87.60 | 246.7 | 0.36 | 720 | 74.30 | 159.7 | 0.4 |
| 840 | 68.35 | 133.1 | 0.51 | 4760B | 42.39 | 125.3 | 0.34 | 10870 | 87.58 | 246.7 | 0.36 | 330 | 74.26 | 159.7 | 0.4 |
| 980 | 68.35 | 133.1 | 0.51 | 3250B | 42.19 | 125.3 | 0.34 | 1800 | 93.65 | 264.2 | 0.35 | 9008 | 67.62 | 145.6 | 0.4 |
| 1190 | 68.33 | 133.1 | 0.51 | 10490B | 42.15 | 125.3 | 0.34 | 4750A | 87.40 | 246.7 | 0.35 | 1290 | 73.96 | 159.7 | 0.4 |
| 1040 | 68.24 | 133.1 | 0.51 | 1690B | 43.81 | 131.1 | 0.33 | 4630 | 87.33 | 246.7 | 0.35 | 22 | 73.96 | 159.7 | 0.4 |
| 1450 | 68.10 | 133.1 | 0.51 | 4360 | 41.61 | 125.3 | 0.33 | 4290 | 87.21 | 246.7 | 0.35 | 3810 | 67.35 | 145.6 | 0.4 |
| 2010 | 68.10 | 133.1 | 0.51 | 10000B | 41.56 | 125.3 | 0.33 | 1690B | 93.38 | 264.2 | 0.35 | 10910 | 67.24 | 145.6 | 0.4 |
| 4110 | 61.90 | 121.3 | 0.51 | 9220A | 41.52 | 125.3 | 0.33 | 4490B | 86.87 | 246.7 | 0.35 | 2130 | 73.65 | 159.7 | 0.4 |
| 2030 | 67.83 | 133.1 | 0.51 | 10350A | 41.25 | 125.3 | 0.33 | 10300B | 86.87 | 246.7 | 0.35 | 5190 | 67.01 | 145.6 | 0.4 |
| 1250 | 67.80 | 133.1 | 0.51 | 3090B | 41.00 | 125.3 | 0.33 | 9330 | 86.74 | 246.7 | 0.35 | 30A | 73.48 | 159.7 | 0.4 |
| 1420 | 67.47 | 133.1 | 0.51 | 1750A | 42.83 | 131.1 | 0.33 | 3230 | 86.19 | 246.7 | 0.35 | 4110 | 66.85 | 145.6 | 0.4 |
| 350 | 67.44 | 133.1 | 0.51 | 9080 | 40.81 | 125.3 | 0.33 | 10620A | 85.90 | 246.7 | 0.35 | 1830 | 73.08 | 159.7 | 0.4 |
| 9180 | 61.43 | 121.3 | 0.51 | 10480 | 40.59 | 125.3 | 0.32 | 10750A | 85.70 | 246.7 | 0.35 | 740 | 72.78 | 159.7 | 0.4 |
| 1510 | 67.27 | 133.1 | 0.51 | 10860A | 39.64 | 125.3 | 0.32 | 10640B | 85.52 | 246.7 | 0.35 | 2070 | 72.41 | 159.7 | 0.4 |
| 12530 | 61.29 | 121.3 | 0.51 | 10360 | 39.57 | 125.3 | 0.32 | 3930 | 85.50 | 246.7 | 0.35 | 3705 | 65.97 | 145.6 | 0.4 |
| 15 | 67.21 | 133.1 | 0.51 | 12120B | 40.83 | 131.1 | 0.31 | 10470A | 85.46 | 246.7 | 0.35 | 4400 | 65.96 | 145.6 | 0.4 |
| 1430 | 67.15 | 133.1 | 0.50 | 9070A | 38.90 | 125.3 | 0.31 | 4010 | 85.42 | 246.7 | 0.35 | 9140 | 65.94 | 145.6 | 0.4 |
| 9340 | 61.20 | 121.3 | 0.50 | 9090B | 38.37 | 125.3 | 0.31 | 10370B | 85.39 | 246.7 | 0.35 | 11190 | 65.91 | 145.6 | 0.4 |
| 4430 | 61.03 | 121.3 | 0.50 | 12540A | 37.93 | 125.3 | 0.30 | 460 | 91.40 | 264.2 | 0.35 | 4910 | 65.71 | 145.6 | 0.4 |
| 9570 | 60.94 | 121.3 | 0.50 | 9370A | 37.86 | 125.3 | 0.30 | 9470A | 85.05 | 246.7 | 0.34 | 4800 | 65.68 | 145.6 | 0.4 |
| 1110 | 66.77 | 133.1 | 0.50 | 4870 | 37.76 | 125.3 | 0.30 | 4880B | 84.70 | 246.7 | 0.34 | 10680 | 65.56 | 145.6 | 0.4 |
| 9440 | 60.84 | 121.3 | 0.50 | 3370A | 37.59 | 125.3 | 0.30 | 9250B | 84.46 | 246.7 | 0.34 | 4290 | 65.55 | 145.6 | 0.4 |
| 1920 | 66.63 | 133.1 | 0.50 | 4810B | 37.31 | 125.3 | 0.30 | 10720A | 84.45 | 246.7 | 0.34 | 3940 | 65.30 | 145.6 | 0.4 |
| 10420 | 60.76 | 121.3 | 0.50 | 3390 | 36.88 | 125.3 | 0.29 | 4710 | 84.31 | 246.7 | 0.34 | 10940 | 65.29 | 145.6 | 0.4 |
| 3570 | 60.67 | 121.3 | 0.50 | 22 | 38.19 | 131.1 | 0.29 | 1630 | 90.14 | 264.2 | 0.34 | 1770 | 71.33 | 159.7 | 0.4 |
| 3330 | 60.66 | 121.3 | 0.50 | 10500B | 36.39 | 125.3 | 0.29 | 10290 | 84.07 | 246.7 | 0.34 | 9590 | 65.00 | 145.6 | 0.4 |
| 10590 | 60.49 | 121.3 | 0.50 | 3230 | 36.36 | 125.3 | 0.29 | 70B | 89.81 | 264.2 | 0.34 | 9710 | 64.67 | 145.6 | 0.4 |
| 10440 | 60.48 | 121.3 | 0.50 | 4210A | 36.32 | 125.3 | 0.29 | 4730B | 83.86 | 246.7 | 0.34 | 9570 | 64.36 | 145.6 | 0.4 |
| 300 | 66.31 | 133.1 | 0.50 | 12120A | 37.99 | 131.1 | 0.29 | 4350A | 83.73 | 246.7 | 0.34 | 10290 | 64.12 | 145.6 | 0.4 |
| 4420 | 60.46 | 121.3 | 0.50 | 4810A | 36.11 | 125.3 | 0.29 | 4360 | 83.62 | 246.7 | 0.34 | 980 | 70.26 | 159.7 | 0.4 |

| EN 13480 (2012) Code compliance (Sorted stresses) | | | | | | | | | | | | | | | |
|---|-------------|-------------|----------|----------------------|-------------|-------------|----------|----------------------|-------------|----------------|-------------|-----------------------|-------------|----------------|-----------|
| Sustained (12.3.2-1) | | | | Expansion (12.3.4-1) | | | | Expansion (12.3.4-2) | | | | Occasional (12.3.3-1) | | | |
| Node | S1 (MPa) | ff (MPa) | S1 ff | Node | S3 (MPa) | fa (MPa) | S3 fa | Node | S4 (MPa) | ff+fa (MPa) | S4 ff+fa | Node | S2 (MPa) | 1.2ff (MPa) | S2 1.2 |
| 10430 | 60.43 | 121.3 | 0.50 | 10870 | 35.70 | 125.3 | 0.28 | 9290 | 83.59 | 246.7 | 0.34 | 4680 | 64.04 | 145.6 | 0.4 |
| 10910 | 60.32 | 121.3 | 0.50 | 10810B | 35.69 | 125.3 | 0.28 | 9810 | 83.55 | 246.7 | 0.34 | 3570 | 63.96 | 145.6 | 0.4 |
| 570 | 66.09 | 133.1 | 0.50 | 4500B | 35.64 | 125.3 | 0.28 | 90A | 89.46 | 264.2 | 0.34 | 9390 | 63.89 | 145.6 | 0.4 |
| 9720 | 60.06 | 121.3 | 0.49 | 9105 | 35.44 | 125.3 | 0.28 | 3290 | 83.21 | 246.7 | 0.34 | 840 | 69.98 | 159.7 | 0.4 |
| 9018 | 60.01 | 121.3 | 0.49 | 1710 | 37.07 | 131.1 | 0.28 | 3220A | 83.15 | 246.7 | 0.34 | 1110 | 69.90 | 159.7 | 0.4 |
| 4410 | 60.01 | 121.3 | 0.49 | 9230 | 35.21 | 125.3 | 0.28 | 4210B | 83.13 | 246.7 | 0.34 | 10800 | 63.60 | 145.6 | 0.4 |
| 3180 | 59.89 | 121.3 | 0.49 | 70B | 36.64 | 131.1 | 0.28 | 10490B | 83.11 | 246.7 | 0.34 | 1040 | 69.44 | 159.7 | 0.4 |
| 1270 | 65.19 | 133.1 | 0.49 | 9050 | 35.00 | 125.3 | 0.28 | 4810B | 82.65 | 246.7 | 0.34 | 11020B | 63.25 | 145.6 | 0.4 |
| 10410 | 59.43 | 121.3 | 0.49 | 10690B | 34.86 | 125.3 | 0.28 | 3250B | 82.50 | 246.7 | 0.33 | 1710 | 69.28 | 159.7 | 0.4 |
| 5010 | 59.41 | 121.3 | 0.49 | 3105 | 34.82 | 125.3 | 0.28 | 9220A | 82.26 | 246.7 | 0.33 | 9720 | 63.04 | 145.6 | 0.4 |
| 9660 | 59.31 | 121.3 | 0.49 | 90A | 36.41 | 131.1 | 0.28 | 4860A | 82.26 | 246.7 | 0.33 | 420 | 68.99 | 159.7 | 0.4 |
| 11080 | 59.22 | 121.3 | 0.49 | 10210A | 34.75 | 125.3 | 0.28 | 12540A | 81.89 | 246.7 | 0.33 | 10700 | 62.80 | 145.6 | 0.4 |
| 3300 | 59.19 | 121.3 | 0.49 | 9390 | 34.56 | 125.3 | 0.28 | 10880B | 81.84 | 246.7 | 0.33 | 1190 | 68.82 | 159.7 | 0.4 |
| 11070 | 59.15 | 121.3 | 0.49 | 10810A | 34.44 | 125.3 | 0.27 | 10680 | 81.77 | 246.7 | 0.33 | 5020B | 62.64 | 145.6 | 0.4 |
| 4700 | 59.00 | 121.3 | 0.49 | 12110B | 36.03 | 131.1 | 0.27 | 4720A | 81.71 | 246.7 | 0.33 | 5200 | 62.43 | 145.6 | 0.4 |
| 9010 | 58.94 | 121.3 | 0.49 | 10690A | 34.43 | 125.3 | 0.27 | 10210B | 81.63 | 246.7 | 0.33 | 1250 | 68.39 | 159.7 | 0.4 |
| 4910 | 58.92 | 121.3 | 0.49 | 4690B | 34.38 | 125.3 | 0.27 | 9550 | 81.56 | 246.7 | 0.33 | 1450 | 68.30 | 159.7 | 0.4 |
| 9080 | 58.81 | 121.3 | 0.48 | 1730B | 35.65 | 131.1 | 0.27 | 10730B | 81.54 | 246.7 | 0.33 | 570 | 68.30 | 159.7 | 0.4 |
| 4220 | 58.62 | 121.3 | 0.48 | 30A | 35.63 | 131.1 | 0.27 | 1700 | 87.27 | 264.2 | 0.33 | 4940 | 61.99 | 145.6 | 0.4 |
| 4270 | 58.59 | 121.3 | 0.48 | 4690A | 33.87 | 125.3 | 0.27 | 3090B | 81.34 | 246.7 | 0.33 | 350 | 67.94 | 159.7 | 0.4 |
| 4480 | 58.56 | 121.3 | 0.48 | 10460A | 33.80 | 125.3 | 0.27 | 9008 | 81.18 | 246.7 | 0.33 | 1420 | 67.84 | 159.7 | 0.4 |
| 1670 | 64.20 | 133.1 | 0.48 | 30B | 35.12 | 131.1 | 0.27 | 3860 | 81.11 | 246.7 | 0.33 | 1510 | 67.74 | 159.7 | 0.4 |
| 9130 | 58.53 | 121.3 | 0.48 | 4750B | 33.51 | 125.3 | 0.27 | 1750A | 86.84 | 264.2 | 0.33 | 10420 | 61.65 | 145.6 | 0.4 |
| 9230 | 58.50 | 121.3 | 0.48 | 4460A | 33.37 | 125.3 | 0.27 | 3160 | 81.03 | 246.7 | 0.33 | 9340 | 61.64 | 145.6 | 0.4 |
| 4590 | 58.43 | 121.3 | 0.48 | 3050 | 33.00 | 125.3 | 0.26 | 9590 | 81.00 | 246.7 | 0.33 | 9440 | 61.61 | 145.6 | 0.4 |
| 3440 | 58.38 | 121.3 | 0.48 | 10650B | 32.96 | 125.3 | 0.26 | 3070A | 80.92 | 246.7 | 0.33 | 12530 | 61.60 | 145.6 | 0.4 |
| 10670 | 58.32 | 121.3 | 0.48 | 4740 | 32.93 | 125.3 | 0.26 | 9370A | 80.90 | 246.7 | 0.33 | 15 | 67.52 | 159.7 | 0.4 |
| 9330 | 58.25 | 121.3 | 0.48 | 3240B | 32.84 | 125.3 | 0.26 | 1690A | 86.24 | 264.2 | 0.33 | 11200 | 61.57 | 145.6 | 0.4 |
| 4440 | 58.21 | 121.3 | 0.48 | 9600A | 32.84 | 125.3 | 0.26 | 3105 | 80.32 | 246.7 | 0.33 | 2190 | 67.51 | 159.7 | 0.4 |
| 11010 | 58.18 | 121.3 | 0.48 | 12540B | 32.63 | 125.3 | 0.26 | 910 | 85.99 | 264.2 | 0.33 | 11030 | 61.55 | 145.6 | 0.4 |
| 4010 | 58.17 | 121.3 | 0.48 | 3600A | 32.62 | 125.3 | 0.26 | 10350A | 80.24 | 246.7 | 0.33 | 5020A | 61.52 | 145.6 | 0.4 |
| 3340 | 58.12 | 121.3 | 0.48 | 4650B | 32.43 | 125.3 | 0.26 | 290 | 85.93 | 264.2 | 0.33 | 9180 | 61.50 | 145.6 | 0.4 |
| 10270 | 57.96 | 121.3 | 0.48 | 10340A | 32.22 | 125.3 | 0.26 | 4680 | 80.13 | 246.7 | 0.32 | 1430 | 67.43 | 159.7 | 0.4 |
| 5070 | 57.80 | 121.3 | 0.48 | 10610A | 31.60 | 125.3 | 0.25 | 15 | 85.57 | 264.2 | 0.32 | 4420 | 61.33 | 145.6 | 0.4 |
| 1170 | 63.34 | 133.1 | 0.48 | 3380A | 31.51 | 125.3 | 0.25 | 4770 | 79.81 | 246.7 | 0.32 | 4430 | 61.21 | 145.6 | 0.4 |
| 1410 | 63.26 | 133.1 | 0.48 | 11020B | 31.45 | 125.3 | 0.25 | 4230A | 79.73 | 246.7 | 0.32 | 4410 | 61.20 | 145.6 | 0.4 |
| 9300 | 57.66 | 121.3 | 0.48 | 4340A | 31.41 | 125.3 | 0.25 | 10670 | 79.71 | 246.7 | 0.32 | 3790 | 61.14 | 145.6 | 0.4 |
| 440 | 63.22 | 133.1 | 0.48 | 10740 | 31.35 | 125.3 | 0.25 | 1400 | 85.21 | 264.2 | 0.32 | 3330 | 61.06 | 145.6 | 0.4 |
| 9290 | 57.58 | 121.3 | 0.47 | 4610A | 31.31 | 125.3 | 0.25 | 10700 | 79.50 | 246.7 | 0.32 | 9700 | 61.04 | 145.6 | 0.4 |
| 1700 | 63.14 | 133.1 | 0.47 | 11020A | 31.30 | 125.3 | 0.25 | 10760B | 79.46 | 246.7 | 0.32 | 10590 | 60.88 | 145.6 | 0.4 |
| 550 | 63.10 | 133.1 | 0.47 | 10750B | 31.25 | 125.3 | 0.25 | 3370A | 79.39 | 246.7 | 0.32 | 10440 | 60.81 | 145.6 | 0.4 |
| 4740 | 57.50 | 121.3 | 0.47 | 10710 | 31.18 | 125.3 | 0.25 | 10440 | 79.32 | 246.7 | 0.32 | 300 | 66.64 | 159.7 | 0.4 |
| 1440 | 63.04 | 133.1 | 0.47 | 4230B | 31.09 | 125.3 | 0.25 | 10590 | 79.25 | 246.7 | 0.32 | 9660 | 60.69 | 145.6 | 0.4 |
| 9700 | 57.48 | 121.3 | 0.47 | 5020B | 30.94 | 125.3 | 0.25 | 180 | 84.84 | 264.2 | 0.32 | 11020A | 60.61 | 145.6 | 0.4 |
| 750 | 62.85 | 133.1 | 0.47 | 9650B | 30.83 | 125.3 | 0.25 | 10810B | 79.22 | 246.7 | 0.32 | 10430 | 60.60 | 145.6 | 0.4 |
| 560 | 62.62 | 133.1 | 0.47 | 5020A | 30.78 | 125.3 | 0.25 | 1480 | 84.75 | 264.2 | 0.32 | 10410 | 60.58 | 145.6 | 0.4 |

| EN 13480 (2012) Code compliance (Sorted stresses) | | | | | | | | | | | | | | | |
|---|-------------|-------------|----------|----------------------|-------------|-------------|----------|----------------------|-------------|----------------|-------------|-----------------------|-------------|----------------|-----------|
| Sustained (12.3.2-1) | | | | Expansion (12.3.4-1) | | | | Expansion (12.3.4-2) | | | | Occasional (12.3.3-1) | | | |
| Node | S1 (MPa) | ff (MPa) | S1 ff | Node | S3 (MPa) | fa (MPa) | S3 fa | Node | S4 (MPa) | ff+fa (MPa) | S4 ff+fa | Node | S2 (MPa) | 1.2ff (MPa) | S2 1.2 |
| 3290 | 57.08 | 121.3 | 0.47 | 4710 | 30.48 | 125.3 | 0.24 | 4870 | 79.12 | 246.7 | 0.32 | 9490 | 60.53 | 145.6 | 0.4 |
| 2070 | 62.50 | 133.1 | 0.47 | 9240B | 30.37 | 125.3 | 0.24 | 1510 | 84.54 | 264.2 | 0.32 | 9018 | 60.36 | 145.6 | 0.4 |
| 50 | 62.41 | 133.1 | 0.47 | 4020B | 30.37 | 125.3 | 0.24 | 10520 | 78.90 | 246.7 | 0.32 | 550 | 66.10 | 159.7 | 0.4 |
| 1820 | 62.32 | 133.1 | 0.47 | 3600B | 30.32 | 125.3 | 0.24 | 9160 | 78.87 | 246.7 | 0.32 | 1270 | 66.08 | 159.7 | 0.4 |
| 4670 | 56.68 | 121.3 | 0.47 | 9600B | 30.25 | 125.3 | 0.24 | 160 | 84.16 | 264.2 | 0.32 | 3180 | 59.98 | 145.6 | 0.4 |
| 3130 | 56.45 | 121.3 | 0.47 | 3330 | 30.00 | 125.3 | 0.24 | 140 | 84.13 | 264.2 | 0.32 | 3490 | 59.64 | 145.6 | 0.4 |
| 1790 | 61.88 | 133.1 | 0.47 | 3650B | 29.96 | 125.3 | 0.24 | 10860A | 78.52 | 246.7 | 0.32 | 4700 | 59.46 | 145.6 | 0.4 |
| 10790 | 56.21 | 121.3 | 0.46 | 4730A | 29.79 | 125.3 | 0.24 | 4790 | 78.48 | 246.7 | 0.32 | 9010 | 59.39 | 145.6 | 0.4 |
| 4790 | 56.20 | 121.3 | 0.46 | 1480 | 31.15 | 131.1 | 0.24 | 3140 | 78.44 | 246.7 | 0.32 | 3300 | 59.34 | 145.6 | 0.4 |
| 5080 | 56.18 | 121.3 | 0.46 | 4220 | 29.67 | 125.3 | 0.24 | 12530 | 78.38 | 246.7 | 0.32 | 4790 | 59.17 | 145.6 | 0.4 |
| 700 | 61.58 | 133.1 | 0.46 | 3460 | 29.54 | 125.3 | 0.24 | 9090B | 78.37 | 246.7 | 0.32 | 4270 | 59.17 | 145.6 | 0.4 |
| 9016 | 56.09 | 121.3 | 0.46 | 9100A | 29.38 | 125.3 | 0.23 | 10790 | 78.30 | 246.7 | 0.32 | 10790 | 59.15 | 145.6 | 0.4 |
| 130 | 61.50 | 133.1 | 0.46 | 1810A | 30.55 | 131.1 | 0.23 | 4020A | 78.21 | 246.7 | 0.32 | 3440 | 59.10 | 145.6 | 0.4 |
| 9770 | 56.00 | 121.3 | 0.46 | 4310 | 29.12 | 125.3 | 0.23 | 4810A | 78.09 | 246.7 | 0.32 | 560 | 64.78 | 159.7 | 0.4 |
| 340 | 61.33 | 133.1 | 0.46 | 9060B | 28.96 | 125.3 | 0.23 | 4210A | 78.03 | 246.7 | 0.32 | 10930B | 58.91 | 145.6 | 0.4 |
| 35 | 61.33 | 133.1 | 0.46 | 10310 | 28.54 | 125.3 | 0.23 | 3480 | 78.03 | 246.7 | 0.32 | 9080 | 58.90 | 145.6 | 0.4 |
| 2080 | 61.30 | 133.1 | 0.46 | 9460 | 28.54 | 125.3 | 0.23 | 1450 | 83.48 | 264.2 | 0.32 | 3700 | 58.90 | 145.6 | 0.4 |
| 1280 | 61.07 | 133.1 | 0.46 | 9330 | 28.49 | 125.3 | 0.23 | 4310 | 77.85 | 246.7 | 0.32 | 1670 | 64.58 | 159.7 | 0.4 |
| 1530 | 60.90 | 133.1 | 0.46 | 10230B | 28.48 | 125.3 | 0.23 | 4670 | 77.84 | 246.7 | 0.32 | 4220 | 58.83 | 145.6 | 0.4 |
| 3720 | 55.49 | 121.3 | 0.46 | 9670A | 28.44 | 125.3 | 0.23 | 3050 | 77.74 | 246.7 | 0.32 | 4590 | 58.81 | 145.6 | 0.4 |
| 3700 | 55.33 | 121.3 | 0.46 | 10020B | 28.42 | 125.3 | 0.23 | 330 | 83.08 | 264.2 | 0.31 | 1700 | 64.45 | 159.7 | 0.4 |
| 3790 | 55.05 | 121.3 | 0.45 | 4000A | 28.35 | 125.3 | 0.23 | 4000B | 77.52 | 246.7 | 0.31 | 10180 | 58.77 | 145.6 | 0.4 |
| 490 | 60.35 | 133.1 | 0.45 | 3670A | 28.23 | 125.3 | 0.23 | 9660 | 77.43 | 246.7 | 0.31 | 9770 | 58.73 | 145.6 | 0.4 |
| 10940 | 55.03 | 121.3 | 0.45 | 100B | 29.52 | 131.1 | 0.23 | 9070A | 77.35 | 246.7 | 0.31 | 750 | 64.38 | 159.7 | 0.4 |
| 10280 | 54.76 | 121.3 | 0.45 | 10220 | 28.06 | 125.3 | 0.22 | 10230A | 77.08 | 246.7 | 0.31 | 4010 | 58.69 | 145.6 | 0.4 |
| 450 | 60.04 | 133.1 | 0.45 | 10720B | 28.01 | 125.3 | 0.22 | 9016 | 77.03 | 246.7 | 0.31 | 9330 | 58.68 | 145.6 | 0.4 |
| 4170 | 54.70 | 121.3 | 0.45 | 9210A | 27.97 | 125.3 | 0.22 | 4590 | 76.95 | 246.7 | 0.31 | 4480 | 58.68 | 145.6 | 0.4 |
| 10520 | 54.58 | 121.3 | 0.45 | 1750B | 29.25 | 131.1 | 0.22 | 9340 | 76.87 | 246.7 | 0.31 | 9230 | 58.65 | 145.6 | 0.4 |
| 10180 | 54.57 | 121.3 | 0.45 | 3210A | 27.73 | 125.3 | 0.22 | 9930 | 76.83 | 246.7 | 0.31 | 9130 | 58.62 | 145.6 | 0.4 |
| 3420 | 54.54 | 121.3 | 0.45 | 1810B | 28.94 | 131.1 | 0.22 | 4760B | 76.66 | 246.7 | 0.31 | 3720 | 58.62 | 145.6 | 0.4 |
| 4450 | 54.45 | 121.3 | 0.45 | 10380B | 27.65 | 125.3 | 0.22 | 10020A | 76.65 | 246.7 | 0.31 | 4440 | 58.59 | 145.6 | 0.4 |
| 620 | 59.60 | 133.1 | 0.45 | 9380A | 27.47 | 125.3 | 0.22 | 4440 | 76.64 | 246.7 | 0.31 | 10270 | 58.53 | 145.6 | 0.4 |
| 4280 | 54.28 | 121.3 | 0.45 | 3100A | 27.39 | 125.3 | 0.22 | 9910 | 76.62 | 246.7 | 0.31 | 3340 | 58.52 | 145.6 | 0.4 |
| 4580 | 54.27 | 121.3 | 0.45 | 1830 | 28.64 | 131.1 | 0.22 | 4520 | 76.45 | 246.7 | 0.31 | 10670 | 58.49 | 145.6 | 0.4 |
| 9940 | 54.26 | 121.3 | 0.45 | 10730A | 27.30 | 125.3 | 0.22 | 4700 | 76.28 | 246.7 | 0.31 | 3730 | 58.44 | 145.6 | 0.4 |
| 4770 | 54.25 | 121.3 | 0.45 | 9260 | 27.29 | 125.3 | 0.22 | 1810B | 81.55 | 264.2 | 0.31 | 1790 | 63.96 | 159.7 | 0.4 |
| 950 | 59.43 | 133.1 | 0.45 | 4010 | 27.25 | 125.3 | 0.22 | 4300A | 75.91 | 246.7 | 0.31 | 1170 | 63.94 | 159.7 | 0.4 |
| 4820 | 54.12 | 121.3 | 0.45 | 4380B | 27.18 | 125.3 | 0.22 | 10000B | 75.76 | 246.7 | 0.31 | 2020B | 63.92 | 159.7 | 0.4 |
| 3980 | 54.09 | 121.3 | 0.45 | 3260 | 27.00 | 125.3 | 0.22 | 10210A | 75.74 | 246.7 | 0.31 | 490 | 63.91 | 159.7 | 0.4 |
| 10780 | 54.04 | 121.3 | 0.45 | 10770 | 26.96 | 125.3 | 0.22 | 10400 | 75.70 | 246.7 | 0.31 | 1410 | 63.88 | 159.7 | 0.4 |
| 3730 | 53.94 | 121.3 | 0.44 | 10000A | 26.44 | 125.3 | 0.21 | 1290 | 81.05 | 264.2 | 0.31 | 440 | 63.83 | 159.7 | 0.4 |
| 507 | 59.15 | 133.1 | 0.44 | 12100A | 27.37 | 131.1 | 0.21 | 9480 | 75.64 | 246.7 | 0.31 | 10280 | 58.08 | 145.6 | 0.4 |
| 4040 | 53.90 | 121.3 | 0.44 | 3290 | 26.13 | 125.3 | 0.21 | 4750B | 75.60 | 246.7 | 0.31 | 1440 | 63.65 | 159.7 | 0.4 |
| 1320 | 59.08 | 133.1 | 0.44 | 4720B | 26.04 | 125.3 | 0.21 | 10710 | 75.57 | 246.7 | 0.31 | 2020A | 63.62 | 159.7 | 0.4 |
| 4710 | 53.83 | 121.3 | 0.44 | 9290 | 26.01 | 125.3 | 0.21 | 3500 | 75.49 | 246.7 | 0.31 | 1820 | 63.46 | 159.7 | 0.4 |
| 3560 | 53.81 | 121.3 | 0.44 | 10010 | 25.85 | 125.3 | 0.21 | 4800 | 75.36 | 246.7 | 0.31 | 9300 | 57.82 | 145.6 | 0.4 |

| EN 13480 (2012) Code compliance (Sorted stresses) | | | | | | | | | | | | | | | |
|---|-------------|-------------|----------|----------------------|-------------|-------------|----------|----------------------|-------------|----------------|-------------|-----------------------|-------------|----------------|-----------|
| Sustained (12.3.2-1) | | | | Expansion (12.3.4-1) | | | | Expansion (12.3.4-2) | | | | Occasional (12.3.3-1) | | | |
| Node | S1 (MPa) | ff (MPa) | S1 ff | Node | S3 (MPa) | fa (MPa) | S3 fa | Node | S4 (MPa) | ff+fa (MPa) | S4 ff+fa | Node | S2 (MPa) | 1.2ff (MPa) | S2 1.2 |
| 9004 | 53.81 | 121.3 | 0.44 | 3060B | 25.82 | 125.3 | 0.21 | 1750B | 80.70 | 264.2 | 0.31 | 9290 | 57.71 | 145.6 | 0.4 |
| 4190 | 53.79 | 121.3 | 0.44 | 4770 | 25.62 | 125.3 | 0.20 | 9140 | 75.28 | 246.7 | 0.31 | 4740 | 57.68 | 145.6 | 0.4 |
| 4530 | 53.77 | 121.3 | 0.44 | 1470A | 26.78 | 131.1 | 0.20 | 100B | 80.60 | 264.2 | 0.31 | 4280 | 57.58 | 145.6 | 0.4 |
| 10580 | 53.73 | 121.3 | 0.44 | 9012 | 26.72 | 131.1 | 0.20 | 3615 | 75.26 | 246.7 | 0.31 | 9850 | 57.55 | 145.6 | 0.4 |
| 4250 | 53.69 | 121.3 | 0.44 | 12560B | 25.42 | 125.3 | 0.20 | 3260 | 75.14 | 246.7 | 0.30 | 3850 | 57.34 | 145.6 | 0.3 |
| 9030 | 53.68 | 121.3 | 0.44 | 1500B | 26.03 | 131.1 | 0.20 | 4510 | 75.12 | 246.7 | 0.30 | 3980 | 57.31 | 145.6 | 0.3 |
| 10260 | 53.63 | 121.3 | 0.44 | 3410B | 24.73 | 125.3 | 0.20 | 3810 | 75.06 | 246.7 | 0.30 | 1280 | 62.82 | 159.7 | 0.3 |
| 9450 | 53.46 | 121.3 | 0.44 | 4320 | 24.66 | 125.3 | 0.20 | 9500 | 74.99 | 246.7 | 0.30 | 700 | 62.79 | 159.7 | 0.3 |
| 9490 | 53.42 | 121.3 | 0.44 | 1490B | 25.62 | 131.1 | 0.20 | 480 | 80.20 | 264.2 | 0.30 | 3290 | 57.21 | 145.6 | 0.3 |
| 4840 | 53.36 | 121.3 | 0.44 | 10160A | 24.47 | 125.3 | 0.20 | 4450 | 74.86 | 246.7 | 0.30 | 50 | 62.51 | 159.7 | 0.3 |
| 850 | 58.42 | 133.1 | 0.44 | 9650A | 24.39 | 125.3 | 0.19 | 9105 | 74.80 | 246.7 | 0.30 | 3560 | 56.87 | 145.6 | 0.3 |
| 3450 | 53.26 | 121.3 | 0.44 | 10320 | 24.39 | 125.3 | 0.19 | 10690B | 74.74 | 246.7 | 0.30 | 4670 | 56.84 | 145.6 | 0.3 |
| 9170 | 53.23 | 121.3 | 0.44 | 10520 | 24.33 | 125.3 | 0.19 | 10920 | 74.71 | 246.7 | 0.30 | 507 | 62.24 | 159.7 | 0.3 |
| 10530 | 53.20 | 121.3 | 0.44 | 1740 | 25.39 | 131.1 | 0.19 | 10300A | 74.44 | 246.7 | 0.30 | 9016 | 56.62 | 145.6 | 0.3 |
| 3170 | 53.18 | 121.3 | 0.44 | 4160A | 24.08 | 125.3 | 0.19 | 615 | 79.69 | 264.2 | 0.30 | 1940 | 62.06 | 159.7 | 0.3 |
| 10170 | 53.11 | 121.3 | 0.44 | 4520 | 24.05 | 125.3 | 0.19 | 1810A | 79.63 | 264.2 | 0.30 | 940 | 62.02 | 159.7 | 0.3 |
| 10830 | 53.11 | 121.3 | 0.44 | 40A | 25.12 | 131.1 | 0.19 | 4820 | 74.26 | 246.7 | 0.30 | 9030 | 56.54 | 145.6 | 0.3 |
| 1570 | 58.23 | 133.1 | 0.44 | 400A | 25.05 | 131.1 | 0.19 | 10810A | 74.20 | 246.7 | 0.30 | 3130 | 56.51 | 145.6 | 0.3 |
| 1780 | 58.22 | 133.1 | 0.44 | 3006 | 23.85 | 125.3 | 0.19 | 10310 | 74.19 | 246.7 | 0.30 | 10980 | 56.44 | 145.6 | 0.3 |
| 1520 | 57.97 | 133.1 | 0.44 | 9990A | 23.82 | 125.3 | 0.19 | 3350 | 74.14 | 246.7 | 0.30 | 340 | 61.77 | 159.7 | 0.3 |
| 4390 | 52.84 | 121.3 | 0.44 | 3650A | 23.80 | 125.3 | 0.19 | 1470A | 79.32 | 264.2 | 0.30 | 4180 | 56.32 | 145.6 | 0.3 |
| 3490 | 52.83 | 121.3 | 0.44 | 10160B | 23.77 | 125.3 | 0.19 | 4690B | 73.98 | 246.7 | 0.30 | 130 | 61.60 | 159.7 | 0.3 |
| 4510 | 52.74 | 121.3 | 0.43 | 380B | 24.80 | 131.1 | 0.19 | 1580 | 79.20 | 264.2 | 0.30 | 9510 | 56.10 | 145.6 | 0.3 |
| 10360 | 52.47 | 121.3 | 0.43 | 3150A | 23.70 | 125.3 | 0.19 | 3340 | 73.81 | 246.7 | 0.30 | 3510 | 56.07 | 145.6 | 0.3 |
| 5130 | 52.43 | 121.3 | 0.43 | 3150B | 23.62 | 125.3 | 0.19 | 1730B | 78.94 | 264.2 | 0.30 | 35 | 61.47 | 159.7 | 0.3 |
| 4520 | 52.42 | 121.3 | 0.43 | 40B | 24.65 | 131.1 | 0.19 | 4230B | 73.43 | 246.7 | 0.30 | 1530 | 61.47 | 159.7 | 0.3 |
| 110 | 57.39 | 133.1 | 0.43 | 4160B | 23.41 | 125.3 | 0.19 | 1910 | 78.57 | 264.2 | 0.30 | 4820 | 56.01 | 145.6 | 0.3 |
| 10630 | 52.33 | 121.3 | 0.43 | 9350 | 23.33 | 125.3 | 0.19 | 10800 | 73.36 | 246.7 | 0.30 | 4040 | 55.85 | 145.6 | 0.3 |
| 4940 | 52.32 | 121.3 | 0.43 | 3990A | 23.27 | 125.3 | 0.19 | 9050 | 73.34 | 246.7 | 0.30 | 4930B | 55.82 | 145.6 | 0.3 |
| 4180 | 52.26 | 121.3 | 0.43 | 1700 | 24.13 | 131.1 | 0.18 | 3600B | 73.30 | 246.7 | 0.30 | 4170 | 55.71 | 145.6 | 0.3 |
| 1260 | 57.30 | 133.1 | 0.43 | 1460A | 24.04 | 131.1 | 0.18 | 3490 | 73.12 | 246.7 | 0.30 | 450 | 60.76 | 159.7 | 0.3 |
| 1180 | 57.27 | 133.1 | 0.43 | 4790 | 22.94 | 125.3 | 0.18 | 10650B | 73.06 | 246.7 | 0.30 | 4250 | 55.29 | 145.6 | 0.3 |
| 690 | 57.26 | 133.1 | 0.43 | 10760A | 22.75 | 125.3 | 0.18 | 2030 | 78.00 | 264.2 | 0.30 | 3420 | 55.27 | 145.6 | 0.3 |
| 170 | 57.23 | 133.1 | 0.43 | 10240B | 22.71 | 125.3 | 0.18 | 720 | 77.98 | 264.2 | 0.30 | 4980 | 55.13 | 145.6 | 0.3 |
| 3705 | 52.13 | 121.3 | 0.43 | 12560A | 22.69 | 125.3 | 0.18 | 10750B | 72.78 | 246.7 | 0.30 | 950 | 60.45 | 159.7 | 0.3 |
| 4780 | 52.07 | 121.3 | 0.43 | 10790 | 22.69 | 125.3 | 0.18 | 9490 | 72.66 | 246.7 | 0.29 | 620 | 60.39 | 159.7 | 0.3 |
| 710 | 57.05 | 133.1 | 0.43 | 3350 | 22.69 | 125.3 | 0.18 | 12560B | 72.61 | 246.7 | 0.29 | 4450 | 55.03 | 145.6 | 0.3 |
| 5030 | 52.02 | 121.3 | 0.43 | 10510 | 22.69 | 125.3 | 0.18 | 4400 | 72.54 | 246.7 | 0.29 | 4770 | 54.99 | 145.6 | 0.3 |
| 3940 | 51.91 | 121.3 | 0.43 | 9150A | 22.69 | 125.3 | 0.18 | 10260 | 72.52 | 246.7 | 0.29 | 850 | 60.15 | 159.7 | 0.3 |
| 4660 | 51.89 | 121.3 | 0.43 | 9150B | 22.58 | 125.3 | 0.18 | 300 | 77.64 | 264.2 | 0.29 | 4840 | 54.80 | 145.6 | 0.3 |
| 10870 | 51.88 | 121.3 | 0.43 | 80 | 23.54 | 131.1 | 0.18 | 12540B | 72.44 | 246.7 | 0.29 | 5185 | 54.76 | 145.6 | 0.3 |
| 4900 | 51.85 | 121.3 | 0.43 | 4290 | 22.41 | 125.3 | 0.18 | 3440 | 72.38 | 246.7 | 0.29 | 10830 | 54.65 | 145.6 | 0.3 |
| 9020 | 51.82 | 121.3 | 0.43 | 4510 | 22.38 | 125.3 | 0.18 | 1740 | 77.44 | 264.2 | 0.29 | 10520 | 54.64 | 145.6 | 0.3 |
| 940 | 56.76 | 133.1 | 0.43 | 9410B | 22.36 | 125.3 | 0.18 | 4920 | 72.27 | 246.7 | 0.29 | 1260 | 59.79 | 159.7 | 0.3 |
| 9850 | 51.76 | 121.3 | 0.43 | 4240B | 22.03 | 125.3 | 0.18 | 4660 | 72.16 | 246.7 | 0.29 | 10360 | 54.52 | 145.6 | 0.3 |
| 1105 | 56.65 | 133.1 | 0.43 | 320A | 22.97 | 131.1 | 0.18 | 4020B | 72.11 | 246.7 | 0.29 | 3950 | 54.50 | 145.6 | 0.3 |

| EN 13480 (2012) Code compliance (Sorted stresses) | | | | | | | | | | | | | | | |
|---|-------------|-------------|----------|----------------------|-------------|-------------|----------|----------------------|-------------|----------------|-------------|-----------------------|-------------|----------------|-----------|
| Sustained (12.3.2-1) | | | | Expansion (12.3.4-1) | | | | Expansion (12.3.4-2) | | | | Occasional (12.3.3-1) | | | |
| Node | S1 (MPa) | ff (MPa) | S1 ff | Node | S3 (MPa) | fa (MPa) | S3 fa | Node | S4 (MPa) | ff+fa (MPa) | S4 ff+fa | Node | S2 (MPa) | 1.2ff (MPa) | S2 1.2 |
| 1560 | 56.58 | 133.1 | 0.43 | 470A | 22.79 | 131.1 | 0.17 | 4730A | 72.03 | 246.7 | 0.29 | 1320 | 59.74 | 159.7 | 0.3 |
| 3850 | 51.58 | 121.3 | 0.43 | 10030B | 21.71 | 125.3 | 0.17 | 1490B | 77.13 | 264.2 | 0.29 | 1180 | 59.73 | 159.7 | 0.3 |
| 3950 | 51.56 | 121.3 | 0.42 | 320B | 22.67 | 131.1 | 0.17 | 110 | 77.11 | 264.2 | 0.29 | 4190 | 54.43 | 145.6 | 0.3 |
| 3350 | 51.45 | 121.3 | 0.42 | 470B | 22.57 | 131.1 | 0.17 | 500 | 77.10 | 264.2 | 0.29 | 4580 | 54.36 | 145.6 | 0.3 |
| 4260 | 51.44 | 121.3 | 0.42 | 10670 | 21.38 | 125.3 | 0.17 | 3524 | 71.97 | 246.7 | 0.29 | 9450 | 54.27 | 145.6 | 0.3 |
| 2195 | 56.39 | 133.1 | 0.42 | 1720B | 22.24 | 131.1 | 0.17 | 9440 | 71.82 | 246.7 | 0.29 | 4710 | 54.27 | 145.6 | 0.3 |
| 3510 | 51.35 | 121.3 | 0.42 | 4670 | 21.17 | 125.3 | 0.17 | 10770 | 71.71 | 246.7 | 0.29 | 710 | 59.49 | 159.7 | 0.3 |
| 9510 | 51.24 | 121.3 | 0.42 | 24 | 22.04 | 131.1 | 0.17 | 1520 | 76.79 | 264.2 | 0.29 | 690 | 59.44 | 159.7 | 0.3 |
| 10820 | 51.23 | 121.3 | 0.42 | 4760A | 20.99 | 125.3 | 0.17 | 5010 | 71.68 | 246.7 | 0.29 | 4530 | 54.20 | 145.6 | 0.3 |
| 4600 | 51.20 | 121.3 | 0.42 | 4030B | 20.98 | 125.3 | 0.17 | 9130 | 71.61 | 246.7 | 0.29 | 10780 | 54.18 | 145.6 | 0.3 |
| 9560 | 50.95 | 121.3 | 0.42 | 9016 | 20.94 | 125.3 | 0.17 | 1440 | 76.68 | 264.2 | 0.29 | 1980 | 59.40 | 159.7 | 0.3 |
| 522 | 55.81 | 133.1 | 0.42 | 10450 | 20.79 | 125.3 | 0.17 | 9615 | 71.47 | 246.7 | 0.29 | 11185 | 54.13 | 145.6 | 0.3 |
| 9710 | 50.75 | 121.3 | 0.42 | 10290 | 20.63 | 125.3 | 0.16 | 9600B | 71.36 | 246.7 | 0.29 | 9004 | 54.12 | 145.6 | 0.3 |
| 3390 | 50.72 | 121.3 | 0.42 | 10660 | 20.50 | 125.3 | 0.16 | 10610A | 71.35 | 246.7 | 0.29 | 10170 | 54.10 | 145.6 | 0.3 |
| 280A | 55.51 | 133.1 | 0.42 | 1230A | 21.36 | 131.1 | 0.16 | 130 | 76.40 | 264.2 | 0.29 | 3450 | 54.04 | 145.6 | 0.3 |
| 1310 | 55.51 | 133.1 | 0.42 | 4450 | 20.41 | 125.3 | 0.16 | 10820 | 71.06 | 246.7 | 0.29 | 4900 | 54.03 | 145.6 | 0.3 |
| 12580A | 50.43 | 121.3 | 0.42 | 1210B | 21.26 | 131.1 | 0.16 | 9650B | 71.02 | 246.7 | 0.29 | 10260 | 54.02 | 145.6 | 0.3 |
| 1940 | 55.29 | 133.1 | 0.42 | 9670B | 20.31 | 125.3 | 0.16 | 10110 | 70.98 | 246.7 | 0.29 | 9560 | 54.01 | 145.6 | 0.3 |
| 9950 | 50.42 | 121.3 | 0.42 | 3490 | 20.30 | 125.3 | 0.16 | 60A | 75.88 | 264.2 | 0.29 | 1105 | 59.22 | 159.7 | 0.3 |
| 4830 | 50.33 | 121.3 | 0.41 | 3670B | 20.29 | 125.3 | 0.16 | 11010 | 70.85 | 246.7 | 0.29 | 3920A | 53.98 | 145.6 | 0.3 |
| 3660 | 50.32 | 121.3 | 0.41 | 4660 | 20.27 | 125.3 | 0.16 | 3240B | 70.84 | 246.7 | 0.29 | 1780 | 59.12 | 159.7 | 0.3 |
| 1390 | 54.90 | 133.1 | 0.41 | 10330 | 20.25 | 125.3 | 0.16 | 4650B | 70.79 | 246.7 | 0.29 | 2185 | 59.06 | 159.7 | 0.3 |
| 10980 | 50.02 | 121.3 | 0.41 | 4330 | 20.21 | 125.3 | 0.16 | 10500B | 70.70 | 246.7 | 0.29 | 10580 | 53.83 | 145.6 | 0.3 |
| 60A | 54.83 | 133.1 | 0.41 | 4820 | 20.14 | 125.3 | 0.16 | 980 | 75.62 | 264.2 | 0.29 | 10530 | 53.62 | 145.6 | 0.3 |
| 1980 | 54.76 | 133.1 | 0.41 | 12100B | 21.05 | 131.1 | 0.16 | 4600 | 70.56 | 246.7 | 0.29 | 1570 | 58.60 | 159.7 | 0.3 |
| 3230 | 49.83 | 121.3 | 0.41 | 60A | 21.05 | 131.1 | 0.16 | 50 | 75.52 | 264.2 | 0.29 | 4510 | 53.40 | 145.6 | 0.3 |
| 920A | 54.45 | 133.1 | 0.41 | 12110A | 21.04 | 131.1 | 0.16 | 80 | 75.45 | 264.2 | 0.29 | 9950 | 53.33 | 145.6 | 0.3 |
| 600B | 54.14 | 133.1 | 0.41 | 9250A | 20.05 | 125.3 | 0.16 | 10830 | 70.44 | 246.7 | 0.29 | 9170 | 53.32 | 145.6 | 0.3 |
| 400B | 53.87 | 133.1 | 0.40 | 10820 | 19.82 | 125.3 | 0.16 | 4260 | 70.37 | 246.7 | 0.29 | 3170 | 53.31 | 145.6 | 0.3 |
| 1220 | 53.87 | 133.1 | 0.40 | 3045B | 19.71 | 125.3 | 0.16 | 10230B | 70.34 | 246.7 | 0.29 | 4390 | 53.23 | 145.6 | 0.3 |
| 1130 | 53.73 | 133.1 | 0.40 | 10600 | 19.58 | 125.3 | 0.16 | 3380A | 70.23 | 246.7 | 0.28 | 10820 | 53.13 | 145.6 | 0.3 |
| 3080 | 48.95 | 121.3 | 0.40 | 70A | 20.35 | 131.1 | 0.16 | 9018 | 70.04 | 246.7 | 0.28 | 9920A | 53.11 | 145.6 | 0.3 |
| 1480 | 53.60 | 133.1 | 0.40 | 10850A | 19.43 | 125.3 | 0.15 | 4000A | 70.04 | 246.7 | 0.28 | 10870 | 53.10 | 145.6 | 0.3 |
| 4980 | 48.84 | 121.3 | 0.40 | 4600 | 19.36 | 125.3 | 0.15 | 11020B | 70.01 | 246.7 | 0.28 | 1520 | 58.21 | 159.7 | 0.3 |
| 4330 | 48.82 | 121.3 | 0.40 | 9490 | 19.24 | 125.3 | 0.15 | 9840 | 70.00 | 246.7 | 0.28 | 4660 | 52.70 | 145.6 | 0.3 |
| 4310 | 48.73 | 121.3 | 0.40 | 1020A | 20.11 | 131.1 | 0.15 | 10460A | 69.99 | 246.7 | 0.28 | 4105 | 52.67 | 145.6 | 0.3 |
| 70A | 53.34 | 133.1 | 0.40 | 3830A | 18.95 | 125.3 | 0.15 | 1790 | 74.91 | 264.2 | 0.28 | 4520 | 52.49 | 145.6 | 0.3 |
| 370A | 53.23 | 133.1 | 0.40 | 110 | 19.82 | 131.1 | 0.15 | 3130 | 69.94 | 246.7 | 0.28 | 10630 | 52.47 | 145.6 | 0.3 |
| 9800 | 48.53 | 121.3 | 0.40 | 4260 | 18.94 | 125.3 | 0.15 | 9010 | 69.85 | 246.7 | 0.28 | 110 | 57.46 | 159.7 | 0.3 |
| 70B | 53.17 | 133.1 | 0.40 | 10260 | 18.89 | 125.3 | 0.15 | 320A | 74.79 | 264.2 | 0.28 | 170 | 57.42 | 159.7 | 0.3 |
| 10560 | 48.41 | 121.3 | 0.40 | 10440 | 18.87 | 125.3 | 0.15 | 2010 | 74.70 | 264.2 | 0.28 | 4780 | 52.21 | 145.6 | 0.3 |
| 670B | 53.09 | 133.1 | 0.40 | 1010B | 19.69 | 131.1 | 0.15 | 5030 | 69.74 | 246.7 | 0.28 | 9020 | 52.21 | 145.6 | 0.3 |
| 90A | 53.06 | 133.1 | 0.40 | 9830A | 18.81 | 125.3 | 0.15 | 9720 | 69.59 | 246.7 | 0.28 | 1560 | 57.09 | 159.7 | 0.3 |
| 410A | 53.05 | 133.1 | 0.40 | 10590 | 18.76 | 125.3 | 0.15 | 1920 | 74.39 | 264.2 | 0.28 | 3350 | 52.06 | 145.6 | 0.3 |
| 1015 | 53.03 | 133.1 | 0.40 | 3045A | 18.73 | 125.3 | 0.15 | 10020B | 69.45 | 246.7 | 0.28 | 9800 | 51.93 | 145.6 | 0.3 |
| 4105 | 48.36 | 121.3 | 0.40 | 11030 | 18.62 | 125.3 | 0.15 | 4610A | 69.45 | 246.7 | 0.28 | 4260 | 51.91 | 145.6 | 0.3 |

| EN 13480 (2012) Code compliance (Sorted stresses) | | | | | | | | | | | | | | | |
|---|-------------|-------------|----------|----------------------|-------------|-------------|----------|----------------------|-------------|----------------|-------------|-----------------------|-------------|----------------|-----------|
| Sustained (12.3.2-1) | | | | Expansion (12.3.4-1) | | | | Expansion (12.3.4-2) | | | | Occasional (12.3.3-1) | | | |
| Node | S1 (MPa) | ff (MPa) | S1 ff | Node | S3 (MPa) | fa (MPa) | S3 fa | Node | S4 (MPa) | ff+fa (MPa) | S4 ff+fa | Node | S2 (MPa) | 1.2ff (MPa) | S2 1.2 |
| 11200 | 48.35 | 121.3 | 0.40 | 4590 | 18.51 | 125.3 | 0.15 | 10340A | 69.36 | 246.7 | 0.28 | 522 | 56.92 | 159.7 | 0.3 |
| 5200 | 48.34 | 121.3 | 0.40 | 4440 | 18.47 | 125.3 | 0.15 | 1430 | 74.20 | 264.2 | 0.28 | 4600 | 51.82 | 145.6 | 0.3 |
| 4560 | 48.30 | 121.3 | 0.40 | 150B | 19.29 | 131.1 | 0.15 | 1720B | 74.15 | 264.2 | 0.28 | 1930B | 56.81 | 159.7 | 0.3 |
| 3260 | 48.14 | 121.3 | 0.40 | 4850A | 18.25 | 125.3 | 0.15 | 4110 | 69.22 | 246.7 | 0.28 | 4830 | 51.78 | 145.6 | 0.3 |
| 1240A | 52.70 | 133.1 | 0.40 | 3830B | 18.15 | 125.3 | 0.14 | 11070 | 69.20 | 246.7 | 0.28 | 3660 | 51.76 | 145.6 | 0.3 |
| 1730A | 52.67 | 133.1 | 0.40 | 9660 | 18.12 | 125.3 | 0.14 | 4390 | 69.10 | 246.7 | 0.28 | 11180 | 51.74 | 145.6 | 0.3 |
| 640A | 52.65 | 133.1 | 0.40 | 20 | 18.95 | 131.1 | 0.14 | 24 | 73.95 | 264.2 | 0.28 | 920A | 56.66 | 159.7 | 0.3 |
| 1230B | 52.64 | 133.1 | 0.40 | 3250A | 18.10 | 125.3 | 0.14 | 4330 | 69.02 | 246.7 | 0.28 | 10105 | 51.50 | 145.6 | 0.3 |
| 1810B | 52.62 | 133.1 | 0.40 | 9830B | 18.04 | 125.3 | 0.14 | 4500B | 68.98 | 246.7 | 0.28 | 5180 | 51.46 | 145.6 | 0.3 |
| 1470A | 52.54 | 133.1 | 0.39 | 1520 | 18.86 | 131.1 | 0.14 | 10730A | 68.91 | 246.7 | 0.28 | 1390 | 56.30 | 159.7 | 0.3 |
| 1460B | 52.38 | 133.1 | 0.39 | 150A | 18.81 | 131.1 | 0.14 | 1040 | 73.77 | 264.2 | 0.28 | 3390 | 51.33 | 145.6 | 0.3 |
| 190 | 52.37 | 133.1 | 0.39 | 10680 | 17.83 | 125.3 | 0.14 | 1670 | 73.75 | 264.2 | 0.28 | 1310 | 56.13 | 159.7 | 0.3 |
| 3620 | 47.66 | 121.3 | 0.39 | 3660 | 17.77 | 125.3 | 0.14 | 70A | 73.69 | 264.2 | 0.28 | 12580A | 51.05 | 145.6 | 0.3 |
| 2185 | 52.19 | 133.1 | 0.39 | 4680 | 17.75 | 125.3 | 0.14 | 9260 | 68.76 | 246.7 | 0.28 | 280A | 55.87 | 159.7 | 0.3 |
| 9014 | 47.59 | 121.3 | 0.39 | 5030 | 17.72 | 125.3 | 0.14 | 3980 | 68.74 | 246.7 | 0.28 | 600B | 55.18 | 159.7 | 0.3 |
| 680A | 52.10 | 133.1 | 0.39 | 15 | 18.36 | 131.1 | 0.14 | 1770 | 73.53 | 264.2 | 0.28 | 2180 | 55.05 | 159.7 | 0.3 |
| 1740 | 52.05 | 133.1 | 0.39 | 600A | 18.34 | 131.1 | 0.14 | 420 | 73.47 | 264.2 | 0.28 | 1220 | 54.98 | 159.7 | 0.3 |
| 1540 | 52.03 | 133.1 | 0.39 | 10830 | 17.33 | 125.3 | 0.14 | 3650B | 68.60 | 246.7 | 0.28 | 60A | 54.95 | 159.7 | 0.3 |
| 1020B | 52.03 | 133.1 | 0.39 | 4700 | 17.29 | 125.3 | 0.14 | 10380B | 68.57 | 246.7 | 0.28 | 10050 | 50.04 | 145.6 | 0.3 |
| 80 | 51.92 | 133.1 | 0.39 | 1800 | 17.97 | 131.1 | 0.14 | 10320 | 68.53 | 246.7 | 0.28 | 3230 | 50.01 | 145.6 | 0.3 |
| 24 | 51.91 | 133.1 | 0.39 | 10700 | 17.12 | 125.3 | 0.14 | 740 | 73.36 | 264.2 | 0.28 | 4330 | 49.80 | 145.6 | 0.3 |
| 1720B | 51.91 | 133.1 | 0.39 | 12530 | 17.08 | 125.3 | 0.14 | 10720B | 68.46 | 246.7 | 0.28 | 400B | 54.42 | 159.7 | 0.3 |
| 3018 | 47.29 | 121.3 | 0.39 | 9190 | 17.05 | 125.3 | 0.14 | 4460A | 68.38 | 246.7 | 0.28 | 1810B | 54.35 | 159.7 | 0.3 |
| 320A | 51.81 | 133.1 | 0.39 | 11195 | 17.02 | 125.3 | 0.14 | 320B | 73.07 | 264.2 | 0.28 | 670B | 54.21 | 159.7 | 0.3 |
| 12560B | 47.19 | 121.3 | 0.39 | 10390 | 16.93 | 125.3 | 0.14 | 4250 | 68.15 | 246.7 | 0.28 | 9790B | 49.40 | 145.6 | 0.3 |
| 1010A | 51.74 | 133.1 | 0.39 | 9006 | 16.93 | 125.3 | 0.14 | 9700 | 68.15 | 246.7 | 0.28 | 3800 | 49.39 | 145.6 | 0.3 |
| 1500A | 51.65 | 133.1 | 0.39 | 4830 | 16.87 | 125.3 | 0.13 | 10420 | 68.11 | 246.7 | 0.28 | 1130 | 54.10 | 159.7 | 0.3 |
| 1210A | 51.62 | 133.1 | 0.39 | 10 | 17.53 | 131.1 | 0.13 | 3660 | 68.09 | 246.7 | 0.28 | 4310 | 49.28 | 145.6 | 0.3 |
| 1025A | 51.61 | 133.1 | 0.39 | 600B | 17.52 | 131.1 | 0.13 | 5020B | 67.98 | 246.7 | 0.28 | 680A | 53.88 | 159.7 | 0.3 |
| 1200B | 51.54 | 133.1 | 0.39 | 9590 | 16.73 | 125.3 | 0.13 | 4430 | 67.91 | 246.7 | 0.28 | 370A | 53.83 | 159.7 | 0.3 |
| 1490B | 51.51 | 133.1 | 0.39 | 5195 | 16.65 | 125.3 | 0.13 | 9240B | 67.90 | 246.7 | 0.28 | 3620 | 49.08 | 145.6 | 0.3 |
| 280B | 51.50 | 133.1 | 0.39 | 2020B | 17.40 | 131.1 | 0.13 | 9100A | 67.86 | 246.7 | 0.28 | 640A | 53.73 | 159.7 | 0.3 |
| 60B | 51.49 | 133.1 | 0.39 | 1510 | 17.27 | 131.1 | 0.13 | 3550 | 67.74 | 246.7 | 0.27 | 3080 | 49.00 | 145.6 | 0.3 |
| 10105 | 46.95 | 121.3 | 0.39 | 9014 | 16.47 | 125.3 | 0.13 | 12100A | 72.52 | 264.2 | 0.27 | 1480 | 53.69 | 159.7 | 0.3 |
| 9012 | 46.94 | 121.3 | 0.39 | 2020A | 17.13 | 131.1 | 0.13 | 10000A | 67.69 | 246.7 | 0.27 | 410A | 53.66 | 159.7 | 0.3 |
| 1750B | 51.45 | 133.1 | 0.39 | 400B | 17.02 | 131.1 | 0.13 | 4340A | 67.51 | 246.7 | 0.27 | 70A | 53.63 | 159.7 | 0.3 |
| 990B | 51.30 | 133.1 | 0.39 | 4390 | 16.27 | 125.3 | 0.13 | 9060B | 67.49 | 246.7 | 0.27 | 1540 | 53.63 | 159.7 | 0.3 |
| 3190 | 46.73 | 121.3 | 0.39 | 3190 | 16.24 | 125.3 | 0.13 | 4420 | 67.48 | 246.7 | 0.27 | 1050 | 53.57 | 159.7 | 0.3 |
| 2180 | 51.16 | 133.1 | 0.38 | 3590 | 16.18 | 125.3 | 0.13 | 35 | 72.21 | 264.2 | 0.27 | 70B | 53.56 | 159.7 | 0.3 |
| 100B | 51.09 | 133.1 | 0.38 | 1300A | 16.72 | 131.1 | 0.13 | 4720B | 67.40 | 246.7 | 0.27 | 10560 | 48.82 | 145.6 | 0.3 |
| 2190 | 50.97 | 133.1 | 0.38 | 10930A | 15.96 | 125.3 | 0.13 | 10430 | 67.32 | 246.7 | 0.27 | 1990 | 53.51 | 159.7 | 0.3 |
| 3030 | 46.36 | 121.3 | 0.38 | 4930A | 15.91 | 125.3 | 0.13 | 4830 | 67.20 | 246.7 | 0.27 | 1015 | 53.51 | 159.7 | 0.3 |
| 3800 | 46.29 | 121.3 | 0.38 | 3340 | 15.69 | 125.3 | 0.13 | 5070 | 67.18 | 246.7 | 0.27 | 90A | 53.43 | 159.7 | 0.3 |
| 580 | 50.74 | 133.1 | 0.38 | 9340 | 15.67 | 125.3 | 0.13 | 9210A | 67.14 | 246.7 | 0.27 | 4560 | 48.71 | 145.6 | 0.3 |
| 12590 | 46.15 | 121.3 | 0.38 | 3970 | 15.63 | 125.3 | 0.12 | 840 | 71.79 | 264.2 | 0.27 | 1230B | 53.29 | 159.7 | 0.3 |
| 2130 | 50.59 | 133.1 | 0.38 | 9970 | 15.55 | 125.3 | 0.12 | 4040 | 66.95 | 246.7 | 0.27 | 4050 | 48.51 | 145.6 | 0.3 |

| EN 13480 (2012) Code compliance (Sorted stresses) | | | | | | | | | | | | | | | |
|---|-------------|-------------|----------|----------------------|-------------|-------------|----------|----------------------|-------------|----------------|-------------|-----------------------|-------------|----------------|-----------|
| Sustained (12.3.2-1) | | | | Expansion (12.3.4-1) | | | | Expansion (12.3.4-2) | | | | Occasional (12.3.3-1) | | | |
| Node | S1 (MPa) | ff (MPa) | S1 ff | Node | S3 (MPa) | fa (MPa) | S3 fa | Node | S4 (MPa) | ff+fa (MPa) | S4 ff+fa | Node | S2 (MPa) | 1.2ff (MPa) | S2 1.2 |
| 610B | 50.59 | 133.1 | 0.38 | 10930B | 15.45 | 125.3 | 0.12 | 470B | 71.67 | 264.2 | 0.27 | 9795 | 48.45 | 145.6 | 0.3 |
| 1140A | 50.48 | 133.1 | 0.38 | 4930B | 15.40 | 125.3 | 0.12 | 600B | 71.66 | 264.2 | 0.27 | 1730A | 53.13 | 159.7 | 0.3 |
| 320B | 50.41 | 133.1 | 0.38 | 90B | 16.06 | 131.1 | 0.12 | 1190 | 71.65 | 264.2 | 0.27 | 9830B | 48.42 | 145.6 | 0.3 |
| 1760A | 50.40 | 133.1 | 0.38 | 390 | 16.01 | 131.1 | 0.12 | 1500B | 71.57 | 264.2 | 0.27 | 495A | 52.95 | 159.7 | 0.3 |
| 10 | 50.26 | 133.1 | 0.38 | 1300B | 15.95 | 131.1 | 0.12 | 3840 | 66.81 | 246.7 | 0.27 | 1025A | 52.94 | 159.7 | 0.3 |
| 495A | 50.15 | 133.1 | 0.38 | 12580A | 15.10 | 125.3 | 0.12 | 350 | 71.53 | 264.2 | 0.27 | 990B | 52.93 | 159.7 | 0.3 |
| 10930B | 45.66 | 121.3 | 0.38 | 230 | 15.78 | 131.1 | 0.12 | 3300 | 66.75 | 246.7 | 0.27 | 3260 | 48.24 | 145.6 | 0.3 |
| 10310 | 45.64 | 121.3 | 0.38 | 1360 | 15.69 | 131.1 | 0.12 | 3420 | 66.72 | 246.7 | 0.27 | 1240A | 52.83 | 159.7 | 0.3 |
| 3105 | 45.59 | 121.3 | 0.38 | 9370B | 14.92 | 125.3 | 0.12 | 9180 | 66.70 | 246.7 | 0.27 | 12560B | 48.16 | 145.6 | 0.3 |
| 3006 | 45.52 | 121.3 | 0.38 | 9980 | 14.86 | 125.3 | 0.12 | 3705 | 66.65 | 246.7 | 0.27 | 610B | 52.74 | 159.7 | 0.3 |
| 4810B | 45.34 | 121.3 | 0.37 | 3705 | 14.81 | 125.3 | 0.12 | 570 | 71.36 | 264.2 | 0.27 | 9014 | 48.01 | 145.6 | 0.3 |
| 495B | 49.65 | 133.1 | 0.37 | 10150 | 14.81 | 125.3 | 0.12 | 4320 | 66.38 | 246.7 | 0.27 | 1210A | 52.63 | 159.7 | 0.3 |
| 10450 | 45.21 | 121.3 | 0.37 | 9710 | 14.80 | 125.3 | 0.12 | 3006 | 66.38 | 246.7 | 0.27 | 9495A | 47.99 | 145.6 | 0.3 |
| 1690B | 49.57 | 133.1 | 0.37 | 1450 | 15.38 | 131.1 | 0.12 | 380B | 71.04 | 264.2 | 0.27 | 190 | 52.62 | 159.7 | 0.3 |
| 830B | 49.57 | 133.1 | 0.37 | 3980 | 14.65 | 125.3 | 0.12 | 4380B | 66.32 | 246.7 | 0.27 | 1460B | 52.61 | 159.7 | 0.3 |
| 9580 | 45.10 | 121.3 | 0.37 | 10250 | 14.50 | 125.3 | 0.12 | 3570 | 66.27 | 246.7 | 0.27 | 9980 | 47.96 | 145.6 | 0.3 |
| 1705 | 49.44 | 133.1 | 0.37 | 4250 | 14.46 | 125.3 | 0.12 | 3100A | 66.23 | 246.7 | 0.27 | 3495A | 47.95 | 145.6 | 0.3 |
| 1050 | 49.43 | 133.1 | 0.37 | 4200A | 14.45 | 125.3 | 0.12 | 9940 | 66.20 | 246.7 | 0.27 | 1470A | 52.58 | 159.7 | 0.3 |
| 3690 | 45.06 | 121.3 | 0.37 | 10890B | 14.42 | 125.3 | 0.12 | 400B | 70.89 | 264.2 | 0.27 | 1720B | 52.55 | 159.7 | 0.3 |
| 10840 | 44.97 | 121.3 | 0.37 | 3495A | 14.41 | 125.3 | 0.11 | 10510 | 66.19 | 246.7 | 0.27 | 1740 | 52.52 | 159.7 | 0.3 |
| 10040 | 44.85 | 121.3 | 0.37 | 130 | 15.02 | 131.1 | 0.11 | 1950 | 70.74 | 264.2 | 0.27 | 1020B | 52.49 | 159.7 | 0.3 |
| 10770 | 44.82 | 121.3 | 0.37 | 4150 | 14.34 | 125.3 | 0.11 | 400A | 70.70 | 264.2 | 0.27 | 3018 | 47.78 | 145.6 | 0.3 |
| 470B | 49.09 | 133.1 | 0.37 | 3495B | 14.29 | 125.3 | 0.11 | 10450 | 66.00 | 246.7 | 0.27 | 1010A | 52.36 | 159.7 | 0.3 |
| 1810A | 49.08 | 133.1 | 0.37 | 1630 | 14.90 | 131.1 | 0.11 | 1110 | 70.64 | 264.2 | 0.27 | 495B | 52.33 | 159.7 | 0.3 |
| 2120B | 49.07 | 133.1 | 0.37 | 4890B | 14.24 | 125.3 | 0.11 | 1250 | 70.60 | 264.2 | 0.27 | 320A | 52.27 | 159.7 | 0.3 |
| 3050 | 44.73 | 121.3 | 0.37 | 10050 | 14.20 | 125.3 | 0.11 | 3210A | 65.92 | 246.7 | 0.27 | 80 | 52.24 | 159.7 | 0.3 |
| 10390 | 44.72 | 121.3 | 0.37 | 10200A | 14.13 | 125.3 | 0.11 | 12120B | 70.58 | 264.2 | 0.27 | 24 | 52.14 | 159.7 | 0.3 |
| 12750 | 48.99 | 133.1 | 0.37 | 3440 | 14.13 | 125.3 | 0.11 | 9570 | 65.90 | 246.7 | 0.27 | 1750B | 52.10 | 159.7 | 0.3 |
| 9980 | 44.63 | 121.3 | 0.37 | 650B | 14.75 | 131.1 | 0.11 | 11020A | 65.85 | 246.7 | 0.27 | 3830B | 47.50 | 145.6 | 0.3 |
| 680B | 48.89 | 133.1 | 0.37 | 670A | 14.73 | 131.1 | 0.11 | 3700 | 65.80 | 246.7 | 0.27 | 1500A | 52.00 | 159.7 | 0.3 |
| 10190 | 44.54 | 121.3 | 0.37 | 9008 | 13.87 | 125.3 | 0.11 | 1460A | 70.39 | 264.2 | 0.27 | 9495B | 47.35 | 145.6 | 0.3 |
| 380A | 48.75 | 133.1 | 0.37 | 3920A | 13.56 | 125.3 | 0.11 | 11130 | 65.59 | 246.7 | 0.27 | 9012 | 47.32 | 145.6 | 0.3 |
| 240 | 48.72 | 133.1 | 0.37 | 3130 | 13.55 | 125.3 | 0.11 | 12580A | 65.53 | 246.7 | 0.27 | 3495B | 47.30 | 145.6 | 0.3 |
| 10250 | 44.43 | 121.3 | 0.37 | 4050 | 13.52 | 125.3 | 0.11 | 12120A | 70.10 | 264.2 | 0.27 | 280B | 51.85 | 159.7 | 0.3 |
| 10710 | 44.40 | 121.3 | 0.37 | 10040 | 13.51 | 125.3 | 0.11 | 9670A | 65.42 | 246.7 | 0.27 | 1200B | 51.80 | 159.7 | 0.3 |
| 5195 | 44.32 | 121.3 | 0.37 | 9495A | 13.45 | 125.3 | 0.11 | 9710 | 65.34 | 246.7 | 0.26 | 3030 | 47.11 | 145.6 | 0.3 |
| 11195 | 44.32 | 121.3 | 0.37 | 380A | 13.99 | 131.1 | 0.11 | 4840 | 65.34 | 246.7 | 0.26 | 60B | 51.65 | 159.7 | 0.3 |
| 970 | 48.58 | 133.1 | 0.37 | 9495B | 13.34 | 125.3 | 0.11 | 10910 | 65.34 | 246.7 | 0.26 | 1490B | 51.64 | 159.7 | 0.3 |
| 10055 | 44.29 | 121.3 | 0.36 | 1230B | 13.93 | 131.1 | 0.11 | 4270 | 65.31 | 246.7 | 0.26 | 4810B | 47.09 | 145.6 | 0.3 |
| 9970 | 44.28 | 121.3 | 0.36 | 11150B | 13.20 | 125.3 | 0.11 | 10950 | 65.31 | 246.7 | 0.26 | 1760A | 51.60 | 159.7 | 0.3 |
| 1930B | 48.54 | 133.1 | 0.36 | 12500 | 13.16 | 125.3 | 0.11 | 5020A | 65.22 | 246.7 | 0.26 | 1960 | 51.44 | 159.7 | 0.3 |
| 10320 | 44.14 | 121.3 | 0.36 | 9920A | 13.15 | 125.3 | 0.10 | 9380A | 65.22 | 246.7 | 0.26 | 680B | 51.42 | 159.7 | 0.3 |
| 525A | 48.35 | 133.1 | 0.36 | 5150B | 13.11 | 125.3 | 0.10 | 1270 | 69.71 | 264.2 | 0.26 | 10040 | 46.89 | 145.6 | 0.3 |
| 10050 | 44.05 | 121.3 | 0.36 | 9130 | 13.10 | 125.3 | 0.10 | 4950 | 65.05 | 246.7 | 0.26 | 3190 | 46.80 | 145.6 | 0.3 |
| 370B | 48.27 | 133.1 | 0.36 | 1220 | 13.68 | 131.1 | 0.10 | 9300 | 64.83 | 246.7 | 0.26 | 1930A | 51.27 | 159.7 | 0.3 |
| 12540A | 43.96 | 121.3 | 0.36 | 1440 | 13.66 | 131.1 | 0.10 | 1420 | 69.34 | 264.2 | 0.26 | 1690B | 51.19 | 159.7 | 0.3 |

| EN 13480 (2012) Code compliance (Sorted stresses) | | | | | | | | | | | | | | | |
|---|-------------|-------------|----------|----------------------|-------------|-------------|----------|----------------------|-------------|----------------|-------------|-----------------------|-------------|----------------|-----------|
| Sustained (12.3.2-1) | | | | Expansion (12.3.4-1) | | | | Expansion (12.3.4-2) | | | | Occasional (12.3.3-1) | | | |
| Node | S1 (MPa) | ff (MPa) | S1 ff | Node | S3 (MPa) | fa (MPa) | S3 fa | Node | S4 (MPa) | ff+fa (MPa) | S4 ff+fa | Node | S2 (MPa) | 1.2ff (MPa) | S2 1.2 |
| 10900 | 43.94 | 121.3 | 0.36 | 4040 | 13.05 | 125.3 | 0.10 | 3720 | 64.72 | 246.7 | 0.26 | 100B | 51.17 | 159.7 | 0.3 |
| 650B | 48.17 | 133.1 | 0.36 | 3370B | 13.00 | 125.3 | 0.10 | 10270 | 64.53 | 246.7 | 0.26 | 580 | 51.17 | 159.7 | 0.3 |
| 10540 | 43.90 | 121.3 | 0.36 | 12770A | 13.58 | 131.1 | 0.10 | 10690A | 64.47 | 246.7 | 0.26 | 3006 | 46.61 | 145.6 | 0.3 |
| 3920A | 43.89 | 121.3 | 0.36 | 1210A | 13.52 | 131.1 | 0.10 | 10660 | 64.37 | 246.7 | 0.26 | 10055 | 46.48 | 145.6 | 0.3 |
| 650A | 48.13 | 133.1 | 0.36 | 10500A | 12.92 | 125.3 | 0.10 | 750 | 68.92 | 264.2 | 0.26 | 10840 | 46.46 | 145.6 | 0.3 |
| 10660 | 43.87 | 121.3 | 0.36 | 1930A | 13.49 | 131.1 | 0.10 | 3670A | 64.30 | 246.7 | 0.26 | 3780B | 46.40 | 145.6 | 0.3 |
| 11180 | 43.85 | 121.3 | 0.36 | 9780A | 12.81 | 125.3 | 0.10 | 3940 | 64.17 | 246.7 | 0.26 | 320B | 50.87 | 159.7 | 0.3 |
| 4540 | 43.81 | 121.3 | 0.36 | 9420 | 12.79 | 125.3 | 0.10 | 9350 | 64.16 | 246.7 | 0.26 | 1810A | 50.87 | 159.7 | 0.3 |
| 5185 | 43.74 | 121.3 | 0.36 | 1760B | 13.34 | 131.1 | 0.10 | 9014 | 64.06 | 246.7 | 0.26 | 12590 | 46.34 | 145.6 | 0.3 |
| 660 | 47.89 | 133.1 | 0.36 | 3940 | 12.69 | 125.3 | 0.10 | 9600A | 63.95 | 246.7 | 0.26 | 1140A | 50.81 | 159.7 | 0.3 |
| 11185 | 43.66 | 121.3 | 0.36 | 11010 | 12.66 | 125.3 | 0.10 | 12110B | 68.45 | 264.2 | 0.26 | 10310 | 46.19 | 145.6 | 0.3 |
| 1300B | 47.87 | 133.1 | 0.36 | 11150A | 12.66 | 125.3 | 0.10 | 4690A | 63.85 | 246.7 | 0.26 | 10900 | 46.15 | 145.6 | 0.3 |
| 9420 | 43.61 | 121.3 | 0.36 | 5150A | 12.57 | 125.3 | 0.10 | 490 | 68.27 | 264.2 | 0.26 | 10 | 50.58 | 159.7 | 0.3 |
| 10810B | 43.53 | 121.3 | 0.36 | 50 | 13.12 | 131.1 | 0.10 | 10940 | 63.75 | 246.7 | 0.26 | 10250 | 46.07 | 145.6 | 0.3 |
| 11190 | 43.53 | 121.3 | 0.36 | 3770A | 12.46 | 125.3 | 0.10 | 3180 | 63.74 | 246.7 | 0.26 | 3690 | 46.04 | 145.6 | 0.3 |
| 10510 | 43.51 | 121.3 | 0.36 | 1790 | 13.03 | 131.1 | 0.10 | 3600A | 63.73 | 246.7 | 0.26 | 830B | 50.46 | 159.7 | 0.3 |
| 5190 | 43.50 | 121.3 | 0.36 | 12580B | 12.44 | 125.3 | 0.10 | 4910 | 63.73 | 246.7 | 0.26 | 2160 | 50.45 | 159.7 | 0.3 |
| 5180 | 43.50 | 121.3 | 0.36 | 1930B | 12.99 | 131.1 | 0.10 | 1530 | 68.24 | 264.2 | 0.26 | 470B | 50.29 | 159.7 | 0.3 |
| 11030 | 43.48 | 121.3 | 0.36 | 310 | 12.95 | 131.1 | 0.10 | 3060B | 63.40 | 246.7 | 0.26 | 9525B | 45.84 | 145.6 | 0.3 |
| 3004 | 43.39 | 121.3 | 0.36 | 460 | 12.94 | 131.1 | 0.10 | 1170 | 67.89 | 264.2 | 0.26 | 10450 | 45.82 | 145.6 | 0.3 |
| 10100 | 43.33 | 121.3 | 0.36 | 10840 | 12.36 | 125.3 | 0.10 | 2070 | 67.86 | 264.2 | 0.26 | 9730 | 45.75 | 145.6 | 0.3 |
| 4930B | 43.29 | 121.3 | 0.36 | 9940 | 12.32 | 125.3 | 0.10 | 10 | 67.79 | 264.2 | 0.26 | 3105 | 45.73 | 145.6 | 0.3 |
| 610A | 47.46 | 133.1 | 0.36 | 5010 | 12.27 | 125.3 | 0.10 | 9450 | 63.22 | 246.7 | 0.26 | 9750A | 45.67 | 145.6 | 0.3 |
| 3580 | 43.28 | 121.3 | 0.36 | 12510 | 12.26 | 125.3 | 0.10 | 3150B | 63.22 | 246.7 | 0.26 | 525A | 50.06 | 159.7 | 0.3 |
| 520 | 47.43 | 133.1 | 0.36 | 1015 | 12.80 | 131.1 | 0.10 | 4160A | 63.19 | 246.7 | 0.26 | 9580 | 45.63 | 145.6 | 0.3 |
| 10600 | 43.22 | 121.3 | 0.36 | 3420 | 12.18 | 125.3 | 0.10 | 1280 | 67.65 | 264.2 | 0.26 | 10770 | 45.61 | 145.6 | 0.3 |
| 1990 | 47.32 | 133.1 | 0.36 | 12550 | 12.06 | 125.3 | 0.10 | 1220 | 67.55 | 264.2 | 0.26 | 9790A | 45.59 | 145.6 | 0.3 |
| 670A | 47.30 | 133.1 | 0.36 | 190 | 12.57 | 131.1 | 0.10 | 9770 | 63.07 | 246.7 | 0.26 | 1705 | 49.96 | 159.7 | 0.3 |
| 9028 | 43.09 | 121.3 | 0.36 | 4840 | 11.98 | 125.3 | 0.10 | 4580 | 63.05 | 246.7 | 0.26 | 2142A | 49.95 | 159.7 | 0.3 |
| 150B | 47.22 | 133.1 | 0.35 | 3750B | 11.93 | 125.3 | 0.10 | 3670B | 63.04 | 246.7 | 0.26 | 9028 | 45.51 | 145.6 | 0.3 |
| 9370A | 43.05 | 121.3 | 0.35 | 1705 | 12.22 | 131.1 | 0.09 | 3190 | 62.96 | 246.7 | 0.26 | 3780A | 45.43 | 145.6 | 0.3 |
| 3600B | 42.98 | 121.3 | 0.35 | 3502A | 11.67 | 125.3 | 0.09 | 10160A | 62.96 | 246.7 | 0.26 | 10320 | 45.41 | 145.6 | 0.3 |
| 9920A | 42.98 | 121.3 | 0.35 | 10705 | 11.66 | 125.3 | 0.09 | 4410 | 62.91 | 246.7 | 0.26 | 9527B | 45.40 | 145.6 | 0.3 |
| 1760B | 47.08 | 133.1 | 0.35 | 9320B | 11.62 | 125.3 | 0.09 | 10760A | 62.87 | 246.7 | 0.25 | 970 | 49.79 | 159.7 | 0.3 |
| 3400B | 42.90 | 121.3 | 0.35 | 4500A | 11.46 | 125.3 | 0.09 | 10600 | 62.79 | 246.7 | 0.25 | 510 | 49.67 | 159.7 | 0.3 |
| 3320A | 42.90 | 121.3 | 0.35 | 3505A | 11.41 | 125.3 | 0.09 | 10410 | 62.65 | 246.7 | 0.25 | 9970 | 45.29 | 145.6 | 0.3 |
| 1140B | 47.03 | 133.1 | 0.35 | 3502B | 11.40 | 125.3 | 0.09 | 10580 | 62.59 | 246.7 | 0.25 | 5160 | 45.28 | 145.6 | 0.3 |
| 9640A | 42.86 | 121.3 | 0.35 | 3040 | 11.29 | 125.3 | 0.09 | 9670B | 62.59 | 246.7 | 0.25 | 10540 | 45.26 | 145.6 | 0.3 |
| 410B | 46.98 | 133.1 | 0.35 | 1020B | 11.75 | 131.1 | 0.09 | 9004 | 62.40 | 246.7 | 0.25 | 10810B | 45.21 | 145.6 | 0.3 |
| 9280A | 42.79 | 121.3 | 0.35 | 3920B | 11.20 | 125.3 | 0.09 | 1230A | 66.69 | 264.2 | 0.25 | 10190 | 45.21 | 145.6 | 0.3 |
| 3670B | 42.75 | 121.3 | 0.35 | 4705 | 11.19 | 125.3 | 0.09 | 1210B | 66.68 | 264.2 | 0.25 | 610A | 49.52 | 159.7 | 0.3 |
| 4150 | 42.68 | 121.3 | 0.35 | 10400 | 11.15 | 125.3 | 0.09 | 1230B | 66.57 | 264.2 | 0.25 | 9502B | 45.12 | 145.6 | 0.3 |
| 3495A | 42.54 | 121.3 | 0.35 | 9502A | 11.05 | 125.3 | 0.09 | 11030 | 62.11 | 246.7 | 0.25 | 4540 | 45.11 | 145.6 | 0.3 |
| 12810A | 46.65 | 133.1 | 0.35 | 9160 | 11.04 | 125.3 | 0.09 | 1820 | 66.51 | 264.2 | 0.25 | 10390 | 45.08 | 145.6 | 0.3 |
| 990A | 46.64 | 133.1 | 0.35 | 3505B | 11.02 | 125.3 | 0.09 | 150B | 66.51 | 264.2 | 0.25 | 10100 | 45.03 | 145.6 | 0.3 |
| 2020B | 46.62 | 133.1 | 0.35 | 10460B | 11.01 | 125.3 | 0.09 | 4190 | 62.07 | 246.7 | 0.25 | 12750 | 49.32 | 159.7 | 0.3 |

| EN 13480 (2012) Code compliance (Sorted stresses) | | | | | | | | | | | | | | | |
|---|-------------|-------------|----------|----------------------|-------------|-------------|----------|----------------------|-------------|----------------|-------------|-----------------------|-------------|----------------|-----------|
| Sustained (12.3.2-1) | | | | Expansion (12.3.4-1) | | | | Expansion (12.3.4-2) | | | | Occasional (12.3.3-1) | | | |
| Node | S1 (MPa) | ff (MPa) | S1 ff | Node | S3 (MPa) | fa (MPa) | S3 fa | Node | S4 (MPa) | ff+fa (MPa) | S4 ff+fa | Node | S2 (MPa) | 1.2ff (MPa) | S2 1.2 |
| 9400B | 42.46 | 121.3 | 0.35 | 3160 | 11.00 | 125.3 | 0.09 | 3450 | 62.07 | 246.7 | 0.25 | 3050 | 44.97 | 145.6 | 0.3 |
| 510 | 46.55 | 133.1 | 0.35 | 9440 | 11.00 | 125.3 | 0.09 | 10280 | 62.05 | 246.7 | 0.25 | 380A | 49.29 | 159.7 | 0.3 |
| 100A | 46.52 | 133.1 | 0.35 | 12770B | 11.42 | 131.1 | 0.09 | 9850 | 61.99 | 246.7 | 0.25 | 10710 | 44.92 | 145.6 | 0.3 |
| 390 | 46.52 | 133.1 | 0.35 | 9010 | 10.91 | 125.3 | 0.09 | 4760A | 61.99 | 246.7 | 0.25 | 3502B | 44.91 | 145.6 | 0.3 |
| 4230B | 42.34 | 121.3 | 0.35 | 300 | 11.33 | 131.1 | 0.09 | 1780 | 66.32 | 264.2 | 0.25 | 10930A | 44.88 | 145.6 | 0.3 |
| 1960 | 46.40 | 133.1 | 0.35 | 9505A | 10.82 | 125.3 | 0.09 | 2195 | 66.30 | 264.2 | 0.25 | 9515 | 44.86 | 145.6 | 0.3 |
| 10705 | 42.29 | 121.3 | 0.35 | 3320B | 10.81 | 125.3 | 0.09 | 450 | 66.28 | 264.2 | 0.25 | 650B | 49.14 | 159.7 | 0.3 |
| 9670B | 42.28 | 121.3 | 0.35 | 9502B | 10.81 | 125.3 | 0.09 | 1390 | 66.19 | 264.2 | 0.25 | 520 | 49.13 | 159.7 | 0.3 |
| 9495A | 42.28 | 121.3 | 0.35 | 1390 | 11.29 | 131.1 | 0.09 | 3850 | 61.67 | 246.7 | 0.25 | 12540A | 44.80 | 145.6 | 0.3 |
| 1460A | 46.35 | 133.1 | 0.35 | 11190 | 10.76 | 125.3 | 0.09 | 10390 | 61.65 | 246.7 | 0.25 | 9527A | 44.78 | 145.6 | 0.3 |
| 3280A | 42.26 | 121.3 | 0.35 | 9920B | 10.76 | 125.3 | 0.09 | 9150B | 61.59 | 246.7 | 0.25 | 240 | 49.07 | 159.7 | 0.3 |
| 4730A | 42.24 | 121.3 | 0.35 | 9680B | 10.72 | 125.3 | 0.09 | 4170 | 61.52 | 246.7 | 0.25 | 990A | 49.07 | 159.7 | 0.3 |
| 3640A | 42.21 | 121.3 | 0.35 | 10990 | 10.70 | 125.3 | 0.09 | 9650A | 61.50 | 246.7 | 0.25 | 10660 | 44.67 | 145.6 | 0.3 |
| 4050 | 42.19 | 121.3 | 0.35 | 9780B | 10.69 | 125.3 | 0.09 | 1015 | 65.83 | 264.2 | 0.25 | 9640A | 44.65 | 145.6 | 0.3 |
| 380B | 46.24 | 133.1 | 0.35 | 830B | 11.17 | 131.1 | 0.09 | 11195 | 61.34 | 246.7 | 0.25 | 3740B | 44.63 | 145.6 | 0.3 |
| 1055 | 46.16 | 133.1 | 0.35 | 9700 | 10.66 | 125.3 | 0.09 | 4280 | 61.32 | 246.7 | 0.25 | 2140 | 48.87 | 159.7 | 0.3 |
| 4750B | 42.08 | 121.3 | 0.35 | 830A | 11.07 | 131.1 | 0.08 | 10330 | 61.15 | 246.7 | 0.25 | 1760B | 48.84 | 159.7 | 0.3 |
| 3495B | 42.06 | 121.3 | 0.35 | 5190 | 10.56 | 125.3 | 0.08 | 10930B | 61.12 | 246.7 | 0.25 | 370B | 48.84 | 159.7 | 0.3 |
| 9795 | 42.06 | 121.3 | 0.35 | 3410A | 10.54 | 125.3 | 0.08 | 4940 | 61.03 | 246.7 | 0.25 | 650A | 48.84 | 159.7 | 0.3 |
| 12780 | 46.08 | 133.1 | 0.35 | 9505B | 10.48 | 125.3 | 0.08 | 5195 | 60.97 | 246.7 | 0.25 | 502B | 48.81 | 159.7 | 0.3 |
| 4360 | 42.02 | 121.3 | 0.35 | 3700 | 10.47 | 125.3 | 0.08 | 3410B | 60.94 | 246.7 | 0.25 | 660 | 48.73 | 159.7 | 0.3 |
| 4470A | 42.00 | 121.3 | 0.35 | 10800 | 10.47 | 125.3 | 0.08 | 3650A | 60.93 | 246.7 | 0.25 | 9420 | 44.40 | 145.6 | 0.3 |
| 4810A | 41.98 | 121.3 | 0.35 | 4800 | 10.41 | 125.3 | 0.08 | 1020A | 65.24 | 264.2 | 0.25 | 1300B | 48.59 | 159.7 | 0.3 |
| 4240A | 41.97 | 121.3 | 0.35 | 35 | 10.88 | 131.1 | 0.08 | 1210A | 65.15 | 264.2 | 0.25 | 3990B | 44.23 | 145.6 | 0.3 |
| 640B | 46.02 | 133.1 | 0.35 | 1140A | 10.87 | 131.1 | 0.08 | 12560A | 60.78 | 246.7 | 0.25 | 4360 | 44.22 | 145.6 | 0.3 |
| 1490A | 46.01 | 133.1 | 0.35 | 3810 | 10.32 | 125.3 | 0.08 | 9020 | 60.76 | 246.7 | 0.25 | 3670B | 44.19 | 145.6 | 0.3 |
| 1470B | 46.00 | 133.1 | 0.35 | 10540 | 10.30 | 125.3 | 0.08 | 11080 | 60.71 | 246.7 | 0.25 | 10510 | 44.19 | 145.6 | 0.3 |
| 502B | 45.91 | 133.1 | 0.35 | 3770B | 10.30 | 125.3 | 0.08 | 1010B | 65.00 | 264.2 | 0.25 | 9780A | 44.14 | 145.6 | 0.3 |
| 10230B | 41.86 | 121.3 | 0.35 | 1140B | 10.76 | 131.1 | 0.08 | 1310 | 65.00 | 264.2 | 0.25 | 4990 | 44.13 | 145.6 | 0.3 |
| 3410A | 41.83 | 121.3 | 0.34 | 990A | 10.74 | 131.1 | 0.08 | 340 | 64.98 | 264.2 | 0.25 | 670A | 48.31 | 159.7 | 0.3 |
| 9495B | 41.82 | 121.3 | 0.34 | 9850 | 10.23 | 125.3 | 0.08 | 9410B | 60.65 | 246.7 | 0.25 | 3770B | 44.02 | 145.6 | 0.3 |
| 3370A | 41.80 | 121.3 | 0.34 | 9760B | 10.23 | 125.3 | 0.08 | 190 | 64.94 | 264.2 | 0.25 | 3640A | 43.95 | 145.6 | 0.3 |
| 9002 | 41.78 | 121.3 | 0.34 | 1330 | 10.69 | 131.1 | 0.08 | 560 | 64.92 | 264.2 | 0.25 | 9370A | 43.94 | 145.6 | 0.3 |
| 4630 | 41.77 | 121.3 | 0.34 | 4540 | 10.19 | 125.3 | 0.08 | 10850A | 60.49 | 246.7 | 0.25 | 10600 | 43.85 | 145.6 | 0.3 |
| 4020B | 41.74 | 121.3 | 0.34 | 3850 | 10.09 | 125.3 | 0.08 | 440 | 64.76 | 264.2 | 0.25 | 3580 | 43.80 | 145.6 | 0.3 |
| 4320 | 41.72 | 121.3 | 0.34 | 4400 | 10.09 | 125.3 | 0.08 | 4900 | 60.39 | 246.7 | 0.24 | 9780B | 43.77 | 145.6 | 0.3 |
| 1200A | 45.75 | 133.1 | 0.34 | 11070 | 10.05 | 125.3 | 0.08 | 10170 | 60.34 | 246.7 | 0.24 | 4930A | 43.74 | 145.6 | 0.3 |
| 4210A | 41.70 | 121.3 | 0.34 | 9018 | 10.03 | 125.3 | 0.08 | 1410 | 64.59 | 264.2 | 0.24 | 9990B | 43.71 | 145.6 | 0.3 |
| 4000A | 41.69 | 121.3 | 0.34 | 9810 | 10.02 | 125.3 | 0.08 | 700 | 64.57 | 264.2 | 0.24 | 11160 | 43.70 | 145.6 | 0.3 |
| 2160 | 45.71 | 133.1 | 0.34 | 3680B | 9.951 | 125.3 | 0.08 | 10780 | 60.16 | 246.7 | 0.24 | 4810A | 43.66 | 145.6 | 0.3 |
| 4500A | 41.65 | 121.3 | 0.34 | 4460B | 9.869 | 125.3 | 0.08 | 4530 | 60.13 | 246.7 | 0.24 | 9670B | 43.65 | 145.6 | 0.3 |
| 400A | 45.64 | 133.1 | 0.34 | 1010A | 10.31 | 131.1 | 0.08 | 940 | 64.35 | 264.2 | 0.24 | 1140B | 47.86 | 159.7 | 0.3 |
| 90B | 45.64 | 133.1 | 0.34 | 9450 | 9.756 | 125.3 | 0.08 | 550 | 64.17 | 264.2 | 0.24 | 3600B | 43.62 | 145.6 | 0.3 |
| 10730A | 41.62 | 121.3 | 0.34 | 3140 | 9.753 | 125.3 | 0.08 | 9012 | 59.82 | 246.7 | 0.24 | 9750B | 43.62 | 145.6 | 0.3 |
| 2142A | 45.60 | 133.1 | 0.34 | 2030 | 10.18 | 131.1 | 0.08 | 9970 | 59.79 | 246.7 | 0.24 | 4240A | 43.58 | 145.6 | 0.3 |
| 9620 | 41.56 | 121.3 | 0.34 | 4990 | 9.713 | 125.3 | 0.08 | 2020B | 64.02 | 264.2 | 0.24 | 4030A | 43.55 | 145.6 | 0.3 |

| EN 13480 (2012) Code compliance (Sorted stresses) | | | | | | | | | | | | | | | |
|---|-------------|-------------|----------|----------------------|-------------|-------------|----------|----------------------|-------------|----------------|-------------|-----------------------|-------------|----------------|-----------|
| Sustained (12.3.2-1) | | | | Expansion (12.3.4-1) | | | | Expansion (12.3.4-2) | | | | Occasional (12.3.3-1) | | | |
| Node | S1 (MPa) | ff (MPa) | S1 ff | Node | S3 (MPa) | fa (MPa) | S3 fa | Node | S4 (MPa) | ff+fa (MPa) | S4 ff+fa | Node | S2 (MPa) | 1.2ff (MPa) | S2 1.2 |
| 4340B | 41.55 | 121.3 | 0.34 | 650A | 10.15 | 131.1 | 0.08 | 1300B | 63.81 | 264.2 | 0.24 | 3004 | 43.51 | 145.6 | 0.3 |
| 4490B | 41.55 | 121.3 | 0.34 | 3035B | 9.658 | 125.3 | 0.08 | 10530 | 59.58 | 246.7 | 0.24 | 3400B | 43.51 | 145.6 | 0.3 |
| 3970 | 41.55 | 121.3 | 0.34 | 9720 | 9.534 | 125.3 | 0.08 | 1020B | 63.78 | 264.2 | 0.24 | 410B | 47.62 | 159.7 | 0.3 |
| 1500B | 45.54 | 133.1 | 0.34 | 10650A | 9.524 | 125.3 | 0.08 | 9990A | 59.51 | 246.7 | 0.24 | 3520 | 43.34 | 145.6 | 0.3 |
| 10750B | 41.53 | 121.3 | 0.34 | 10340B | 9.513 | 125.3 | 0.08 | 9980 | 59.49 | 246.7 | 0.24 | 920B | 47.49 | 159.7 | 0.3 |
| 9790B | 41.51 | 121.3 | 0.34 | 3018 | 9.509 | 125.3 | 0.08 | 470A | 63.66 | 264.2 | 0.24 | 1055 | 47.44 | 159.7 | 0.3 |
| 12790B | 45.48 | 133.1 | 0.34 | 2195 | 9.911 | 131.1 | 0.08 | 10160B | 59.44 | 246.7 | 0.24 | 150B | 47.43 | 159.7 | 0.3 |
| 9320A | 41.47 | 121.3 | 0.34 | 9140 | 9.455 | 125.3 | 0.08 | 10180 | 59.36 | 246.7 | 0.24 | 3320A | 43.23 | 145.6 | 0.3 |
| 9260 | 41.47 | 121.3 | 0.34 | 670B | 9.866 | 131.1 | 0.08 | 4160B | 59.30 | 246.7 | 0.24 | 1025B | 47.37 | 159.7 | 0.3 |
| 1210B | 45.42 | 133.1 | 0.34 | 5070 | 9.381 | 125.3 | 0.07 | 1940 | 63.19 | 264.2 | 0.24 | 9760B | 43.18 | 145.6 | 0.3 |
| 1025B | 45.41 | 133.1 | 0.34 | 3720 | 9.232 | 125.3 | 0.07 | 3150A | 58.95 | 246.7 | 0.24 | 3740A | 43.15 | 145.6 | 0.3 |
| 10470A | 41.40 | 121.3 | 0.34 | 12000B | 9.158 | 125.3 | 0.07 | 10250 | 58.93 | 246.7 | 0.24 | 9400B | 43.12 | 145.6 | 0.3 |
| 3320B | 41.40 | 121.3 | 0.34 | 3860 | 9.142 | 125.3 | 0.07 | 670B | 62.95 | 264.2 | 0.24 | 9620 | 43.02 | 145.6 | 0.3 |
| 4870 | 41.37 | 121.3 | 0.34 | 1670 | 9.547 | 131.1 | 0.07 | 920A | 62.92 | 264.2 | 0.24 | 4320 | 43.01 | 145.6 | 0.3 |
| 4720B | 41.36 | 121.3 | 0.34 | 1310 | 9.490 | 131.1 | 0.07 | 650B | 62.92 | 264.2 | 0.24 | 4230B | 42.98 | 145.6 | 0.3 |
| 920B | 45.33 | 133.1 | 0.34 | 660 | 9.451 | 131.1 | 0.07 | 4930B | 58.69 | 246.7 | 0.24 | 4150 | 42.96 | 145.6 | 0.3 |
| 1230A | 45.33 | 133.1 | 0.34 | 9910 | 9.019 | 125.3 | 0.07 | 9830B | 58.61 | 246.7 | 0.24 | 4370B | 42.94 | 145.6 | 0.2 |
| 4200B | 41.33 | 121.3 | 0.34 | 9020 | 8.945 | 125.3 | 0.07 | 380A | 62.74 | 264.2 | 0.24 | 2170 | 47.09 | 159.7 | 0.2 |
| 1010B | 45.31 | 133.1 | 0.34 | 12520 | 8.945 | 125.3 | 0.07 | 390 | 62.53 | 264.2 | 0.24 | 9280A | 42.94 | 145.6 | 0.2 |
| 2120A | 45.27 | 133.1 | 0.34 | 9320A | 8.938 | 125.3 | 0.07 | 10040 | 58.36 | 246.7 | 0.24 | 4340B | 42.87 | 145.6 | 0.2 |
| 10000A | 41.25 | 121.3 | 0.34 | 9210B | 8.900 | 125.3 | 0.07 | 10050 | 58.24 | 246.7 | 0.24 | 10850A | 42.87 | 145.6 | 0.2 |
| 4460B | 41.22 | 121.3 | 0.34 | 10900 | 8.878 | 125.3 | 0.07 | 3830B | 58.21 | 246.7 | 0.24 | 11175 | 42.84 | 145.6 | 0.2 |
| 1330 | 45.19 | 133.1 | 0.34 | 10580 | 8.866 | 125.3 | 0.07 | 2020A | 62.26 | 264.2 | 0.24 | 5150B | 42.84 | 145.6 | 0.2 |
| 12100A | 45.15 | 133.1 | 0.34 | 3035A | 8.846 | 125.3 | 0.07 | 507 | 62.23 | 264.2 | 0.24 | 390 | 46.96 | 159.7 | 0.2 |
| 1020A | 45.13 | 133.1 | 0.34 | 9410A | 8.841 | 125.3 | 0.07 | 3990A | 58.11 | 246.7 | 0.24 | 10705 | 42.82 | 145.6 | 0.2 |
| 2020A | 45.13 | 133.1 | 0.34 | 12010A | 8.838 | 125.3 | 0.07 | 1010A | 62.06 | 264.2 | 0.23 | 9920B | 42.82 | 145.6 | 0.2 |
| 4705 | 41.14 | 121.3 | 0.34 | 590 | 9.244 | 131.1 | 0.07 | 600A | 62.03 | 264.2 | 0.23 | 12810A | 46.94 | 159.7 | 0.2 |
| 1240B | 45.11 | 133.1 | 0.34 | 330 | 9.220 | 131.1 | 0.07 | 950 | 62.03 | 264.2 | 0.23 | 640B | 46.94 | 159.7 | 0.2 |
| 10240A | 41.11 | 121.3 | 0.34 | 3450 | 8.808 | 125.3 | 0.07 | 670A | 62.02 | 264.2 | 0.23 | 3920B | 42.79 | 145.6 | 0.2 |
| 2140 | 45.08 | 133.1 | 0.34 | 100A | 9.185 | 131.1 | 0.07 | 4850A | 57.90 | 246.7 | 0.23 | 10240A | 42.72 | 145.6 | 0.2 |
| 9600B | 41.11 | 121.3 | 0.34 | 10060B | 8.780 | 125.3 | 0.07 | 2080 | 61.88 | 264.2 | 0.23 | 3750A | 42.69 | 145.6 | 0.2 |
| 9280B | 41.10 | 121.3 | 0.34 | 4580 | 8.778 | 125.3 | 0.07 | 1570 | 61.71 | 264.2 | 0.23 | 505A | 46.79 | 159.7 | 0.2 |
| 4370B | 41.10 | 121.3 | 0.34 | 10940 | 8.721 | 125.3 | 0.07 | 90B | 61.70 | 264.2 | 0.23 | 1210B | 46.78 | 159.7 | 0.2 |
| 10850A | 41.06 | 121.3 | 0.34 | 4940 | 8.703 | 125.3 | 0.07 | 3730 | 57.60 | 246.7 | 0.23 | 380B | 46.77 | 159.7 | 0.2 |
| 9780A | 41.06 | 121.3 | 0.34 | 9990B | 8.698 | 125.3 | 0.07 | 1705 | 61.66 | 264.2 | 0.23 | 4000A | 42.64 | 145.6 | 0.2 |
| 1720A | 45.00 | 133.1 | 0.34 | 9480 | 8.600 | 125.3 | 0.07 | 9150A | 57.51 | 246.7 | 0.23 | 4870 | 42.64 | 145.6 | 0.2 |
| 10020B | 41.03 | 121.3 | 0.34 | 9004 | 8.599 | 125.3 | 0.07 | 3510 | 57.48 | 246.7 | 0.23 | 10230B | 42.63 | 145.6 | 0.2 |
| 4030A | 41.02 | 121.3 | 0.34 | 3480 | 8.599 | 125.3 | 0.07 | 9190 | 57.46 | 246.7 | 0.23 | 3970 | 42.63 | 145.6 | 0.2 |
| 4760A | 41.00 | 121.3 | 0.34 | 3210B | 8.594 | 125.3 | 0.07 | 4780 | 57.46 | 246.7 | 0.23 | 3370A | 42.59 | 145.6 | 0.2 |
| 10210A | 41.00 | 121.3 | 0.34 | 12590 | 8.575 | 125.3 | 0.07 | 1930B | 61.53 | 264.2 | 0.23 | 1460A | 46.68 | 159.7 | 0.2 |
| 10340B | 40.98 | 121.3 | 0.34 | 4900 | 8.537 | 125.3 | 0.07 | 3920A | 57.45 | 246.7 | 0.23 | 1330 | 46.66 | 159.7 | 0.2 |
| 3680A | 40.97 | 121.3 | 0.34 | 410B | 8.859 | 131.1 | 0.07 | 9030 | 57.45 | 246.7 | 0.23 | 3410A | 42.54 | 145.6 | 0.2 |
| 10490B | 40.96 | 121.3 | 0.34 | 10190 | 8.434 | 125.3 | 0.07 | 150A | 61.48 | 264.2 | 0.23 | 100A | 46.65 | 159.7 | 0.2 |
| 3990B | 40.95 | 121.3 | 0.34 | 160 | 8.712 | 131.1 | 0.07 | 10840 | 57.33 | 246.7 | 0.23 | 11150B | 42.50 | 145.6 | 0.2 |
| 10380B | 40.92 | 121.3 | 0.34 | 1025B | 8.699 | 131.1 | 0.07 | 1140A | 61.35 | 264.2 | 0.23 | 4020B | 42.49 | 145.6 | 0.2 |
| 3280B | 40.91 | 121.3 | 0.34 | 4190 | 8.289 | 125.3 | 0.07 | 5080 | 57.25 | 246.7 | 0.23 | 4730A | 42.47 | 145.6 | 0.2 |

| EN 13480 (2012) Code compliance (Sorted stresses) | | | | | | | | | | | | | | | |
|---|-------------|-------------|----------|----------------------|-------------|-------------|----------|----------------------|-------------|----------------|-------------|-----------------------|-------------|----------------|-----------|
| Sustained (12.3.2-1) | | | | Expansion (12.3.4-1) | | | | Expansion (12.3.4-2) | | | | Occasional (12.3.3-1) | | | |
| Node | S1 (MPa) | ff (MPa) | S1 ff | Node | S3 (MPa) | fa (MPa) | S3 fa | Node | S4 (MPa) | ff+fa (MPa) | S4 ff+fa | Node | S2 (MPa) | 1.2ff (MPa) | S2 1.2 |
| 4300B | 40.91 | 121.3 | 0.34 | 1290 | 8.648 | 131.1 | 0.07 | 1730A | 61.25 | 264.2 | 0.23 | 1230A | 46.56 | 159.7 | 0.2 |
| 10330 | 40.91 | 121.3 | 0.34 | 11120A | 8.252 | 125.3 | 0.07 | 4180 | 57.13 | 246.7 | 0.23 | 4055 | 42.46 | 145.6 | 0.2 |
| 9730 | 40.90 | 121.3 | 0.34 | 5120A | 8.205 | 125.3 | 0.07 | 3970 | 57.13 | 246.7 | 0.23 | 10890B | 42.44 | 145.6 | 0.2 |
| 9350 | 40.83 | 121.3 | 0.34 | 3320A | 8.202 | 125.3 | 0.07 | 10980 | 57.11 | 246.7 | 0.23 | 3280A | 42.42 | 145.6 | 0.2 |
| 9525B | 40.81 | 121.3 | 0.34 | 1730A | 8.574 | 131.1 | 0.07 | 9510 | 57.10 | 246.7 | 0.23 | 10340B | 42.37 | 145.6 | 0.2 |
| 10500A | 40.81 | 121.3 | 0.34 | 4060B | 8.194 | 125.3 | 0.07 | 4150 | 57.01 | 246.7 | 0.23 | 3525B | 42.37 | 145.6 | 0.2 |
| 3220A | 40.75 | 121.3 | 0.34 | 970 | 8.540 | 131.1 | 0.07 | 3495A | 56.95 | 246.7 | 0.23 | 10000A | 42.35 | 145.6 | 0.2 |
| 10370B | 40.74 | 121.3 | 0.34 | 12790B | 8.526 | 131.1 | 0.07 | 3950 | 56.92 | 246.7 | 0.23 | 4500A | 42.31 | 145.6 | 0.2 |
| 9220A | 40.74 | 121.3 | 0.34 | 10610B | 8.132 | 125.3 | 0.06 | 1180 | 60.92 | 264.2 | 0.23 | 10370B | 42.30 | 145.6 | 0.2 |
| 9410A | 40.71 | 121.3 | 0.34 | 920A | 8.471 | 131.1 | 0.06 | 10240B | 56.87 | 246.7 | 0.23 | 4750B | 42.29 | 145.6 | 0.2 |
| 9250B | 40.66 | 121.3 | 0.34 | 9580 | 8.082 | 125.3 | 0.06 | 10030B | 56.82 | 246.7 | 0.23 | 4210A | 42.28 | 145.6 | 0.2 |
| 9100B | 40.58 | 121.3 | 0.33 | 4650A | 8.080 | 125.3 | 0.06 | 3170 | 56.82 | 246.7 | 0.23 | 3680A | 42.28 | 145.6 | 0.2 |
| 9830B | 40.58 | 121.3 | 0.33 | 4340B | 8.009 | 125.3 | 0.06 | 3018 | 56.80 | 246.7 | 0.23 | 4200B | 42.28 | 145.6 | 0.2 |
| 10720B | 40.45 | 121.3 | 0.33 | 12000A | 7.907 | 125.3 | 0.06 | 830B | 60.74 | 264.2 | 0.23 | 12780 | 46.33 | 159.7 | 0.2 |
| 4055 | 40.43 | 121.3 | 0.33 | 3990B | 7.802 | 125.3 | 0.06 | 850 | 60.64 | 264.2 | 0.23 | 10030A | 42.25 | 145.6 | 0.2 |
| 9680A | 40.41 | 121.3 | 0.33 | 1780 | 8.102 | 131.1 | 0.06 | 170 | 60.63 | 264.2 | 0.23 | 9002 | 42.17 | 145.6 | 0.2 |
| 9190 | 40.41 | 121.3 | 0.33 | 11120B | 7.728 | 125.3 | 0.06 | 3045B | 56.60 | 246.7 | 0.23 | 400A | 46.17 | 159.7 | 0.2 |
| 9502B | 40.39 | 121.3 | 0.33 | 5120B | 7.682 | 125.3 | 0.06 | 370A | 60.60 | 264.2 | 0.23 | 4350A | 42.08 | 145.6 | 0.2 |
| 3090B | 40.34 | 121.3 | 0.33 | 3750A | 7.649 | 125.3 | 0.06 | 620 | 60.54 | 264.2 | 0.23 | 525B | 46.14 | 159.7 | 0.2 |
| 10460B | 40.34 | 121.3 | 0.33 | 10110 | 7.649 | 125.3 | 0.06 | 1130 | 60.53 | 264.2 | 0.23 | 1470B | 46.13 | 159.7 | 0.2 |
| 3250B | 40.31 | 121.3 | 0.33 | 3500 | 7.624 | 125.3 | 0.06 | 710 | 60.49 | 264.2 | 0.23 | 4470A | 42.07 | 145.6 | 0.2 |
| 9990B | 40.29 | 121.3 | 0.33 | 240 | 7.957 | 131.1 | 0.06 | 1560 | 60.46 | 264.2 | 0.23 | 1490A | 46.11 | 159.7 | 0.2 |
| 3502B | 40.26 | 121.3 | 0.33 | 10240A | 7.606 | 125.3 | 0.06 | 1760B | 60.42 | 264.2 | 0.23 | 1500B | 46.09 | 159.7 | 0.2 |
| 10200B | 40.26 | 121.3 | 0.33 | 490 | 7.914 | 131.1 | 0.06 | 9420 | 56.39 | 246.7 | 0.23 | 3760 | 42.02 | 145.6 | 0.2 |
| 3610B | 40.26 | 121.3 | 0.33 | 3300 | 7.558 | 125.3 | 0.06 | 3495B | 56.35 | 246.7 | 0.23 | 12790B | 46.08 | 159.7 | 0.2 |
| 3770B | 40.23 | 121.3 | 0.33 | 1940 | 7.901 | 131.1 | 0.06 | 3790 | 56.31 | 246.7 | 0.23 | 1200A | 46.07 | 159.7 | 0.2 |
| 9650B | 40.19 | 121.3 | 0.33 | 3580 | 7.524 | 125.3 | 0.06 | 9170 | 56.24 | 246.7 | 0.23 | 527A | 46.01 | 159.7 | 0.2 |
| 1750A | 44.01 | 133.1 | 0.33 | 4920 | 7.509 | 125.3 | 0.06 | 9920A | 56.13 | 246.7 | 0.23 | 10370A | 41.95 | 145.6 | 0.2 |
| 10760A | 40.12 | 121.3 | 0.33 | 3760 | 7.486 | 125.3 | 0.06 | 1320 | 60.06 | 264.2 | 0.23 | 4630 | 41.94 | 145.6 | 0.2 |
| 10650B | 40.10 | 121.3 | 0.33 | 1920 | 7.757 | 131.1 | 0.06 | 280A | 60.03 | 264.2 | 0.23 | 4720B | 41.94 | 145.6 | 0.2 |
| 505A | 43.96 | 133.1 | 0.33 | 10030A | 7.372 | 125.3 | 0.06 | 690 | 59.79 | 264.2 | 0.23 | 10020B | 41.90 | 145.6 | 0.2 |
| 3830B | 40.05 | 121.3 | 0.33 | 10420 | 7.354 | 125.3 | 0.06 | 9950 | 55.83 | 246.7 | 0.23 | 10350B | 41.90 | 145.6 | 0.2 |
| 10300B | 40.05 | 121.3 | 0.33 | 11160 | 7.322 | 125.3 | 0.06 | 1260 | 59.75 | 264.2 | 0.23 | 10330 | 41.89 | 145.6 | 0.2 |
| 9090B | 40.00 | 121.3 | 0.33 | 4110 | 7.316 | 125.3 | 0.06 | 9495A | 55.72 | 246.7 | 0.23 | 5140 | 41.87 | 145.6 | 0.2 |
| 10890B | 39.91 | 121.3 | 0.33 | 10280 | 7.297 | 125.3 | 0.06 | 4050 | 55.68 | 246.7 | 0.23 | 10730A | 41.87 | 145.6 | 0.2 |
| 1930A | 43.76 | 133.1 | 0.33 | 940 | 7.619 | 131.1 | 0.06 | 9250A | 55.67 | 246.7 | 0.23 | 1720A | 45.90 | 159.7 | 0.2 |
| 10690B | 39.88 | 121.3 | 0.33 | 10920 | 7.263 | 125.3 | 0.06 | 4980 | 55.66 | 246.7 | 0.23 | 90B | 45.90 | 159.7 | 0.2 |
| 10030A | 39.88 | 121.3 | 0.33 | 10060A | 7.259 | 125.3 | 0.06 | 5130 | 55.65 | 246.7 | 0.23 | 4460B | 41.83 | 145.6 | 0.2 |
| 600A | 43.69 | 133.1 | 0.33 | 10170 | 7.229 | 125.3 | 0.06 | 1300A | 59.18 | 264.2 | 0.22 | 9650B | 41.83 | 145.6 | 0.2 |
| 4620A | 39.84 | 121.3 | 0.33 | 12700B | 7.550 | 131.1 | 0.06 | 4240B | 55.24 | 246.7 | 0.22 | 9320A | 41.82 | 145.6 | 0.2 |
| 12540B | 39.81 | 121.3 | 0.33 | 2142B | 7.539 | 131.1 | 0.06 | 9800 | 55.16 | 246.7 | 0.22 | 9600B | 41.78 | 145.6 | 0.2 |
| 3740B | 39.80 | 121.3 | 0.33 | 2145A | 7.536 | 131.1 | 0.06 | 9495B | 55.16 | 246.7 | 0.22 | 1010B | 45.78 | 159.7 | 0.2 |
| 4640B | 39.79 | 121.3 | 0.33 | 9500 | 7.182 | 125.3 | 0.06 | 3560 | 54.90 | 246.7 | 0.22 | 1020A | 45.78 | 159.7 | 0.2 |
| 4380A | 39.76 | 121.3 | 0.33 | 10380A | 7.178 | 125.3 | 0.06 | 4030B | 54.75 | 246.7 | 0.22 | 10210A | 41.75 | 145.6 | 0.2 |
| 10810A | 39.76 | 121.3 | 0.33 | 9300 | 7.170 | 125.3 | 0.06 | 12590 | 54.73 | 246.7 | 0.22 | 4760A | 41.75 | 145.6 | 0.2 |
| 10610A | 39.74 | 121.3 | 0.33 | 12710A | 7.475 | 131.1 | 0.06 | 3045A | 54.50 | 246.7 | 0.22 | 9760A | 41.74 | 145.6 | 0.2 |

| EN 13480 (2012) Code compliance (Sorted stresses) | | | | | | | | | | | | | | | |
|---|-------------|-------------|----------|----------------------|-------------|-------------|----------|----------------------|-------------|----------------|-------------|-----------------------|-------------|----------------|-----------|
| Sustained (12.3.2-1) | | | | Expansion (12.3.4-1) | | | | Expansion (12.3.4-2) | | | | Occasional (12.3.3-1) | | | |
| Node | S1 (MPa) | ff (MPa) | S1 ff | Node | S3 (MPa) | fa (MPa) | S3 fa | Node | S4 (MPa) | ff+fa (MPa) | S4 ff+fa | Node | S2 (MPa) | 1.2ff (MPa) | S2 1.2 |
| 10620B | 39.72 | 121.3 | 0.33 | 10980 | 7.087 | 125.3 | 0.06 | 650A | 58.28 | 264.2 | 0.22 | 3320B | 41.74 | 145.6 | 0.2 |
| 9780B | 39.72 | 121.3 | 0.33 | 9770 | 7.073 | 125.3 | 0.06 | 10890B | 54.33 | 246.7 | 0.22 | 10750B | 41.73 | 145.6 | 0.2 |
| 3100B | 39.71 | 121.3 | 0.33 | 4280 | 7.065 | 125.3 | 0.06 | 11190 | 54.28 | 246.7 | 0.22 | 9680A | 41.65 | 145.6 | 0.2 |
| 10370A | 39.68 | 121.3 | 0.33 | 370A | 7.375 | 131.1 | 0.06 | 10540 | 54.20 | 246.7 | 0.22 | 1240B | 45.66 | 159.7 | 0.2 |
| 9320B | 39.67 | 121.3 | 0.33 | 11170 | 7.041 | 125.3 | 0.06 | 5190 | 54.06 | 246.7 | 0.22 | 4490B | 41.62 | 145.6 | 0.2 |
| 4610B | 39.67 | 121.3 | 0.33 | 11140 | 7.037 | 125.3 | 0.06 | 3250A | 54.06 | 246.7 | 0.22 | 4705 | 41.60 | 145.6 | 0.2 |
| 4850A | 39.65 | 121.3 | 0.33 | 4420 | 7.027 | 125.3 | 0.06 | 1140B | 57.79 | 264.2 | 0.22 | 3770A | 41.59 | 145.6 | 0.2 |
| 3750A | 39.61 | 121.3 | 0.33 | 5160 | 7.018 | 125.3 | 0.06 | 4540 | 53.95 | 246.7 | 0.22 | 9260 | 41.57 | 145.6 | 0.2 |
| 4690B | 39.60 | 121.3 | 0.33 | 1530 | 7.331 | 131.1 | 0.06 | 10705 | 53.95 | 246.7 | 0.22 | 2145B | 45.57 | 159.7 | 0.2 |
| 9750A | 39.60 | 121.3 | 0.33 | 140 | 7.326 | 131.1 | 0.06 | 9780A | 53.87 | 246.7 | 0.22 | 9350 | 41.55 | 145.6 | 0.2 |
| 3150B | 39.59 | 121.3 | 0.33 | 9022 | 7.002 | 125.3 | 0.06 | 1980 | 57.66 | 264.2 | 0.22 | 12100A | 45.56 | 159.7 | 0.2 |
| 9515 | 39.55 | 121.3 | 0.33 | 12760 | 7.278 | 131.1 | 0.06 | 9370B | 53.77 | 246.7 | 0.22 | 5175 | 41.52 | 145.6 | 0.2 |
| 4350A | 39.54 | 121.3 | 0.33 | 3020 | 6.954 | 125.3 | 0.06 | 1105 | 57.57 | 264.2 | 0.22 | 10350A | 41.50 | 145.6 | 0.2 |
| 9760B | 39.50 | 121.3 | 0.33 | 980 | 7.272 | 131.1 | 0.06 | 10500A | 53.73 | 246.7 | 0.22 | 10470A | 41.48 | 145.6 | 0.2 |
| 1730B | 43.28 | 133.1 | 0.33 | 495A | 7.251 | 131.1 | 0.06 | 495A | 57.40 | 264.2 | 0.22 | 9410A | 41.47 | 145.6 | 0.2 |
| 9105 | 39.45 | 121.3 | 0.33 | 3800 | 6.926 | 125.3 | 0.06 | 990A | 57.38 | 264.2 | 0.22 | 10500A | 41.47 | 145.6 | 0.2 |
| 3210B | 39.40 | 121.3 | 0.32 | 4610B | 6.925 | 125.3 | 0.06 | 2190 | 57.37 | 264.2 | 0.22 | 4300B | 41.45 | 145.6 | 0.2 |
| 10640B | 39.38 | 121.3 | 0.32 | 10430 | 6.888 | 125.3 | 0.05 | 660 | 57.34 | 264.2 | 0.22 | 3527A | 41.42 | 145.6 | 0.2 |
| 4860A | 39.37 | 121.3 | 0.32 | 4430 | 6.882 | 125.3 | 0.05 | 1930A | 57.25 | 264.2 | 0.22 | 10810A | 41.36 | 145.6 | 0.2 |
| 12760 | 43.16 | 133.1 | 0.32 | 495B | 7.163 | 131.1 | 0.05 | 970 | 57.08 | 264.2 | 0.22 | 4850A | 41.36 | 145.6 | 0.2 |
| 4880B | 39.35 | 121.3 | 0.32 | 1590 | 7.154 | 131.1 | 0.05 | 3800 | 53.22 | 246.7 | 0.22 | 10380B | 41.32 | 145.6 | 0.2 |
| 10640A | 39.34 | 121.3 | 0.32 | 4170 | 6.827 | 125.3 | 0.05 | 9580 | 53.18 | 246.7 | 0.22 | 3610B | 41.32 | 145.6 | 0.2 |
| 10620A | 39.34 | 121.3 | 0.32 | 4980 | 6.813 | 125.3 | 0.05 | 4500A | 53.11 | 246.7 | 0.22 | 9280B | 41.25 | 145.6 | 0.2 |
| 10380A | 39.33 | 121.3 | 0.32 | 1870 | 7.079 | 131.1 | 0.05 | 495B | 56.81 | 264.2 | 0.22 | 10200B | 41.16 | 145.6 | 0.2 |
| 9090A | 39.33 | 121.3 | 0.32 | 920B | 7.077 | 131.1 | 0.05 | 280B | 56.79 | 264.2 | 0.21 | 2175 | 45.08 | 159.7 | 0.2 |
| 3780A | 39.29 | 121.3 | 0.32 | 12790A | 7.068 | 131.1 | 0.05 | 522 | 56.74 | 264.2 | 0.21 | 10650B | 41.09 | 145.6 | 0.2 |
| 10860B | 39.28 | 121.3 | 0.32 | 5170 | 6.745 | 125.3 | 0.05 | 10190 | 52.97 | 246.7 | 0.21 | 4860A | 41.06 | 145.6 | 0.2 |
| 9380B | 39.26 | 121.3 | 0.32 | 1430 | 7.050 | 131.1 | 0.05 | 10150 | 52.94 | 246.7 | 0.21 | 3280B | 41.06 | 145.6 | 0.2 |
| 3760 | 39.20 | 121.3 | 0.32 | 4270 | 6.723 | 125.3 | 0.05 | 240 | 56.68 | 264.2 | 0.21 | 10490B | 41.03 | 145.6 | 0.2 |
| 525B | 42.98 | 133.1 | 0.32 | 4060A | 6.719 | 125.3 | 0.05 | 10900 | 52.82 | 246.7 | 0.21 | 10720B | 41.03 | 145.6 | 0.2 |
| 9060A | 39.19 | 121.3 | 0.32 | 2145B | 7.025 | 131.1 | 0.05 | 60B | 56.37 | 264.2 | 0.21 | 5170 | 40.96 | 145.6 | 0.2 |
| 10610B | 39.19 | 121.3 | 0.32 | 9690 | 6.701 | 125.3 | 0.05 | 1540 | 56.27 | 264.2 | 0.21 | 10460B | 40.94 | 145.6 | 0.2 |
| 9210A | 39.17 | 121.3 | 0.32 | 9800 | 6.628 | 125.3 | 0.05 | 3410A | 52.37 | 246.7 | 0.21 | 4350B | 40.94 | 145.6 | 0.2 |
| 9527A | 39.16 | 121.3 | 0.32 | 10270 | 6.563 | 125.3 | 0.05 | 4705 | 52.33 | 246.7 | 0.21 | 3220A | 40.93 | 145.6 | 0.2 |
| 10350B | 39.16 | 121.3 | 0.32 | 1130 | 6.796 | 131.1 | 0.05 | 4890B | 52.23 | 246.7 | 0.21 | 9220A | 40.90 | 145.6 | 0.2 |
| 9610B | 39.15 | 121.3 | 0.32 | 3690 | 6.458 | 125.3 | 0.05 | 3320B | 52.21 | 246.7 | 0.21 | 10760A | 40.89 | 145.6 | 0.2 |
| 4380B | 39.15 | 121.3 | 0.32 | 11175 | 6.424 | 125.3 | 0.05 | 1240A | 55.89 | 264.2 | 0.21 | 10860B | 40.85 | 145.6 | 0.2 |
| 3370B | 39.13 | 121.3 | 0.32 | 9024 | 6.407 | 125.3 | 0.05 | 1330 | 55.88 | 264.2 | 0.21 | 4880B | 40.82 | 145.6 | 0.2 |
| 4650A | 39.13 | 121.3 | 0.32 | 10530 | 6.380 | 125.3 | 0.05 | 410B | 55.84 | 264.2 | 0.21 | 9250B | 40.79 | 145.6 | 0.2 |
| 4160A | 39.12 | 121.3 | 0.32 | 4530 | 6.359 | 125.3 | 0.05 | 3370B | 52.13 | 246.7 | 0.21 | 3750B | 40.69 | 145.6 | 0.2 |
| 12520 | 39.08 | 121.3 | 0.32 | 4030A | 6.344 | 125.3 | 0.05 | 3030 | 52.02 | 246.7 | 0.21 | 600A | 44.61 | 159.7 | 0.2 |
| 527A | 42.81 | 133.1 | 0.32 | 4240A | 6.327 | 125.3 | 0.05 | 100A | 55.70 | 264.2 | 0.21 | 3527B | 40.68 | 145.6 | 0.2 |
| 9210B | 39.04 | 121.3 | 0.32 | 2010 | 6.602 | 131.1 | 0.05 | 9560 | 51.79 | 246.7 | 0.21 | 9100B | 40.68 | 145.6 | 0.2 |
| 9527B | 39.03 | 121.3 | 0.32 | 9640B | 6.311 | 125.3 | 0.05 | 3502B | 51.66 | 246.7 | 0.21 | 10690B | 40.68 | 145.6 | 0.2 |
| 9790A | 39.02 | 121.3 | 0.32 | 1280 | 6.583 | 131.1 | 0.05 | 610B | 55.29 | 264.2 | 0.21 | 10300B | 40.61 | 145.6 | 0.2 |
| 9150B | 39.01 | 121.3 | 0.32 | 2142A | 6.574 | 131.1 | 0.05 | 3690 | 51.51 | 246.7 | 0.21 | 10860A | 40.60 | 145.6 | 0.2 |

| EN 13480 (2012) Code compliance (Sorted stresses) | | | | | | | | | | | | | | | |
|---|-------------|-------------|----------|----------------------|-------------|-------------|----------|----------------------|-------------|----------------|-------------|-----------------------|-------------|----------------|-----------|
| Sustained (12.3.2-1) | | | | Expansion (12.3.4-1) | | | | Expansion (12.3.4-2) | | | | Occasional (12.3.3-1) | | | |
| Node | S1 (MPa) | ff (MPa) | S1 ff | Node | S3 (MPa) | fa (MPa) | S3 fa | Node | S4 (MPa) | ff+fa (MPa) | S4 ff+fa | Node | S2 (MPa) | 1.2ff (MPa) | S2 1.2 |
| 10350A | 39.00 | 121.3 | 0.32 | 180 | 6.509 | 131.1 | 0.05 | 2185 | 55.16 | 264.2 | 0.21 | 1750A | 44.50 | 159.7 | 0.2 |
| 3780B | 38.94 | 121.3 | 0.32 | 3640B | 6.198 | 125.3 | 0.05 | 1500A | 55.09 | 264.2 | 0.21 | 4370A | 40.57 | 145.6 | 0.2 |
| 9760A | 38.92 | 121.3 | 0.32 | 4380A | 6.167 | 125.3 | 0.05 | 10460B | 51.34 | 246.7 | 0.21 | 12540B | 40.55 | 145.6 | 0.2 |
| 3470B | 38.92 | 121.3 | 0.32 | 9610A | 6.163 | 125.3 | 0.05 | 9320B | 51.30 | 246.7 | 0.21 | 10610A | 40.55 | 145.6 | 0.2 |
| 150A | 42.67 | 133.1 | 0.32 | 9750A | 6.161 | 125.3 | 0.05 | 9502B | 51.20 | 246.7 | 0.21 | 9190 | 40.49 | 145.6 | 0.2 |
| 9750B | 38.88 | 121.3 | 0.32 | 5175 | 6.145 | 125.3 | 0.05 | 3320A | 51.11 | 246.7 | 0.21 | 4890A | 40.43 | 145.6 | 0.2 |
| 10860A | 38.87 | 121.3 | 0.32 | 3510 | 6.124 | 125.3 | 0.05 | 4460B | 51.09 | 246.7 | 0.21 | 3250B | 40.43 | 145.6 | 0.2 |
| 3060A | 38.86 | 121.3 | 0.32 | 10780 | 6.121 | 125.3 | 0.05 | 1460B | 54.65 | 264.2 | 0.21 | 4690B | 40.43 | 145.6 | 0.2 |
| 9370B | 38.85 | 121.3 | 0.32 | 2190 | 6.401 | 131.1 | 0.05 | 3830A | 50.89 | 246.7 | 0.21 | 2145A | 44.33 | 159.7 | 0.2 |
| 3100A | 38.83 | 121.3 | 0.32 | 5140 | 6.021 | 125.3 | 0.05 | 9830A | 50.85 | 246.7 | 0.21 | 2142B | 44.32 | 159.7 | 0.2 |
| 10880B | 38.79 | 121.3 | 0.32 | 9760A | 5.989 | 125.3 | 0.05 | 310 | 54.45 | 264.2 | 0.21 | 4380A | 40.41 | 145.6 | 0.2 |
| 9680B | 38.77 | 121.3 | 0.32 | 9002 | 5.977 | 125.3 | 0.05 | 1200B | 54.44 | 264.2 | 0.21 | 3090B | 40.41 | 145.6 | 0.2 |
| 9022 | 38.73 | 121.3 | 0.32 | 450 | 6.247 | 131.1 | 0.05 | 3580 | 50.80 | 246.7 | 0.21 | 527B | 44.30 | 159.7 | 0.2 |
| 1060B | 42.47 | 133.1 | 0.32 | 730 | 6.170 | 131.1 | 0.05 | 10560 | 50.73 | 246.7 | 0.21 | 10960 | 40.39 | 145.6 | 0.2 |
| 1300A | 42.46 | 133.1 | 0.32 | 9510 | 5.867 | 125.3 | 0.05 | 580 | 54.31 | 264.2 | 0.21 | 3650B | 40.36 | 145.6 | 0.2 |
| 3380A | 38.71 | 121.3 | 0.32 | 750 | 6.070 | 131.1 | 0.05 | 11200 | 50.68 | 246.7 | 0.21 | 12520 | 40.30 | 145.6 | 0.2 |
| 2170 | 42.41 | 133.1 | 0.32 | 12700A | 6.009 | 131.1 | 0.05 | 1050 | 54.25 | 264.2 | 0.21 | 4610B | 40.29 | 145.6 | 0.2 |
| 10650A | 38.64 | 121.3 | 0.32 | 3030 | 5.658 | 125.3 | 0.05 | 3770A | 50.64 | 246.7 | 0.21 | 4890B | 40.24 | 145.6 | 0.2 |
| 3650B | 38.64 | 121.3 | 0.32 | 3570 | 5.595 | 125.3 | 0.04 | 4560 | 50.64 | 246.7 | 0.21 | 3470B | 40.19 | 145.6 | 0.2 |
| 9070B | 38.63 | 121.3 | 0.32 | 502A | 5.723 | 131.1 | 0.04 | 5200 | 50.55 | 246.7 | 0.20 | 10990 | 40.17 | 145.6 | 0.2 |
| 10880A | 38.59 | 121.3 | 0.32 | 9950 | 5.415 | 125.3 | 0.04 | 3770B | 50.53 | 246.7 | 0.20 | 4960 | 40.14 | 145.6 | 0.2 |
| 1100 | 42.31 | 133.1 | 0.32 | 4780 | 5.392 | 125.3 | 0.04 | 1025B | 54.11 | 264.2 | 0.20 | 9610B | 40.14 | 145.6 | 0.2 |
| 11020B | 38.56 | 121.3 | 0.32 | 3950 | 5.363 | 125.3 | 0.04 | 10340B | 50.49 | 246.7 | 0.20 | 10880B | 40.11 | 145.6 | 0.2 |
| 830A | 42.28 | 133.1 | 0.32 | 12010B | 5.345 | 125.3 | 0.04 | 640A | 54.02 | 264.2 | 0.20 | 9090B | 40.10 | 145.6 | 0.2 |
| 9060B | 38.53 | 121.3 | 0.32 | 290 | 5.543 | 131.1 | 0.04 | 12790B | 54.01 | 264.2 | 0.20 | 9680B | 40.07 | 145.6 | 0.2 |
| 10160A | 38.50 | 121.3 | 0.32 | 1040 | 5.533 | 131.1 | 0.04 | 410A | 54.00 | 264.2 | 0.20 | 9380B | 40.04 | 145.6 | 0.2 |
| 4890A | 38.48 | 121.3 | 0.32 | 505A | 5.526 | 131.1 | 0.04 | 9320A | 50.41 | 246.7 | 0.20 | 9320B | 40.04 | 145.6 | 0.2 |
| 9100A | 38.48 | 121.3 | 0.32 | 9180 | 5.273 | 125.3 | 0.04 | 9780B | 50.41 | 246.7 | 0.20 | 1730B | 43.88 | 159.7 | 0.2 |
| 3090A | 38.46 | 121.3 | 0.32 | 502B | 5.512 | 131.1 | 0.04 | 830A | 53.35 | 264.2 | 0.20 | 9990A | 39.95 | 145.6 | 0.2 |
| 9070A | 38.46 | 121.3 | 0.32 | 3615 | 5.165 | 125.3 | 0.04 | 12100B | 53.27 | 264.2 | 0.20 | 10620B | 39.93 | 145.6 | 0.2 |
| 9690 | 38.41 | 121.3 | 0.32 | 2070 | 5.368 | 131.1 | 0.04 | 9760B | 49.73 | 246.7 | 0.20 | 3100B | 39.89 | 145.6 | 0.2 |
| 4650B | 38.36 | 121.3 | 0.32 | 610A | 5.324 | 131.1 | 0.04 | 12110A | 53.26 | 264.2 | 0.20 | 10880A | 39.89 | 145.6 | 0.2 |
| 3520 | 38.35 | 121.3 | 0.32 | 280B | 5.292 | 131.1 | 0.04 | 680A | 53.22 | 264.2 | 0.20 | 4620A | 39.89 | 145.6 | 0.2 |
| 9050 | 38.34 | 121.3 | 0.32 | 505B | 5.279 | 131.1 | 0.04 | 4340B | 49.56 | 246.7 | 0.20 | 4640B | 39.87 | 145.6 | 0.2 |
| 9410B | 38.29 | 121.3 | 0.32 | 570 | 5.267 | 131.1 | 0.04 | 9410A | 49.55 | 246.7 | 0.20 | 4650A | 39.86 | 145.6 | 0.2 |
| 3070A | 38.24 | 121.3 | 0.32 | 3022 | 5.029 | 125.3 | 0.04 | 9680B | 49.49 | 246.7 | 0.20 | 505B | 43.70 | 159.7 | 0.2 |
| 3210A | 38.19 | 121.3 | 0.31 | 10910 | 5.022 | 125.3 | 0.04 | 990B | 52.91 | 264.2 | 0.20 | 10380A | 39.82 | 145.6 | 0.2 |
| 3070B | 38.19 | 121.3 | 0.31 | 3034 | 5.001 | 125.3 | 0.04 | 610A | 52.78 | 264.2 | 0.20 | 10610B | 39.79 | 145.6 | 0.2 |
| 3770A | 38.18 | 121.3 | 0.31 | 9570 | 4.956 | 125.3 | 0.04 | 2120B | 52.78 | 264.2 | 0.20 | 830A | 43.63 | 159.7 | 0.2 |
| 4610A | 38.13 | 121.3 | 0.31 | 3520 | 4.926 | 125.3 | 0.04 | 2130 | 52.75 | 264.2 | 0.20 | 12760 | 43.62 | 159.7 | 0.2 |
| 4350B | 38.13 | 121.3 | 0.31 | 4180 | 4.870 | 125.3 | 0.04 | 3620 | 49.19 | 246.7 | 0.20 | 3370B | 39.73 | 145.6 | 0.2 |
| 10150 | 38.13 | 121.3 | 0.31 | 1050 | 5.090 | 131.1 | 0.04 | 680B | 52.67 | 264.2 | 0.20 | 3150B | 39.71 | 145.6 | 0.2 |
| 4620B | 38.09 | 121.3 | 0.31 | 9515 | 4.819 | 125.3 | 0.04 | 12550 | 49.10 | 246.7 | 0.20 | 9505A | 39.71 | 145.6 | 0.2 |
| 12560A | 38.09 | 121.3 | 0.31 | 420 | 5.031 | 131.1 | 0.04 | 3750B | 49.09 | 246.7 | 0.20 | 4160A | 39.63 | 145.6 | 0.2 |
| 3240B | 38.00 | 121.3 | 0.31 | 4910 | 4.804 | 125.3 | 0.04 | 10200A | 49.02 | 246.7 | 0.20 | 3505A | 39.60 | 145.6 | 0.2 |
| 4890B | 37.98 | 121.3 | 0.31 | 10180 | 4.796 | 125.3 | 0.04 | 9990B | 48.99 | 246.7 | 0.20 | 11170 | 39.54 | 145.6 | 0.2 |

| EN 13480 (2012) Code compliance (Sorted stresses) | | | | | | | | | | | | | | | |
|---|-------------|-------------|----------|----------------------|-------------|-------------|----------|----------------------|-------------|----------------|-------------|-----------------------|-------------|----------------|-----------|
| Sustained (12.3.2-1) | | | | Expansion (12.3.4-1) | | | | Expansion (12.3.4-2) | | | | Occasional (12.3.3-1) | | | |
| Node | S1 (MPa) | ff (MPa) | S1 ff | Node | S3 (MPa) | fa (MPa) | S3 fa | Node | S4 (MPa) | ff+fa (MPa) | S4 ff+fa | Node | S2 (MPa) | 1.2ff (MPa) | S2 1.2 |
| 9470B | 37.97 | 121.3 | 0.31 | 9610B | 4.695 | 125.3 | 0.04 | 920B | 52.41 | 264.2 | 0.20 | 4380B | 39.54 | 145.6 | 0.2 |
| 4370A | 37.96 | 121.3 | 0.31 | 9000 | 4.686 | 125.3 | 0.04 | 3990B | 48.75 | 246.7 | 0.20 | 5150A | 39.53 | 145.6 | 0.2 |
| 9240A | 37.87 | 121.3 | 0.31 | 60B | 4.880 | 131.1 | 0.04 | 10240A | 48.72 | 246.7 | 0.20 | 9105 | 39.53 | 145.6 | 0.2 |
| 5120B | 37.87 | 121.3 | 0.31 | 3740A | 4.661 | 125.3 | 0.04 | 2142A | 52.17 | 264.2 | 0.20 | 9060A | 39.52 | 145.6 | 0.2 |
| 310 | 41.49 | 133.1 | 0.31 | 1200A | 4.868 | 131.1 | 0.04 | 4105 | 48.68 | 246.7 | 0.20 | 9370B | 39.51 | 145.6 | 0.2 |
| 3680B | 37.81 | 121.3 | 0.31 | 11185 | 4.585 | 125.3 | 0.04 | 2180 | 52.11 | 264.2 | 0.20 | 10640A | 39.51 | 145.6 | 0.2 |
| 9380A | 37.74 | 121.3 | 0.31 | 5185 | 4.558 | 125.3 | 0.04 | 1025A | 52.06 | 264.2 | 0.20 | 3210B | 39.49 | 145.6 | 0.2 |
| 3035A | 37.69 | 121.3 | 0.31 | 610B | 4.697 | 131.1 | 0.04 | 370B | 51.96 | 264.2 | 0.20 | 10640B | 39.47 | 145.6 | 0.2 |
| 10890A | 37.63 | 121.3 | 0.31 | 9615 | 4.485 | 125.3 | 0.04 | 10930A | 48.42 | 246.7 | 0.20 | 9690 | 39.43 | 145.6 | 0.2 |
| 4640A | 37.61 | 121.3 | 0.31 | 1170 | 4.548 | 131.1 | 0.03 | 1760A | 51.82 | 264.2 | 0.20 | 9090A | 39.43 | 145.6 | 0.2 |
| 1060A | 41.23 | 133.1 | 0.31 | 280A | 4.525 | 131.1 | 0.03 | 1990 | 51.73 | 264.2 | 0.20 | 10620A | 39.40 | 145.6 | 0.2 |
| 9220B | 37.60 | 121.3 | 0.31 | 1270 | 4.518 | 131.1 | 0.03 | 5185 | 48.30 | 246.7 | 0.20 | 10650A | 39.37 | 145.6 | 0.2 |
| 3060B | 37.58 | 121.3 | 0.31 | 4100 | 4.307 | 125.3 | 0.03 | 4240A | 48.30 | 246.7 | 0.20 | 4650B | 39.37 | 145.6 | 0.2 |
| 9240B | 37.52 | 121.3 | 0.31 | 9026 | 4.239 | 125.3 | 0.03 | 11185 | 48.25 | 246.7 | 0.20 | 10890A | 39.33 | 145.6 | 0.2 |
| 3525B | 37.49 | 121.3 | 0.31 | 1990 | 4.410 | 131.1 | 0.03 | 10650A | 48.16 | 246.7 | 0.20 | 9470B | 39.32 | 145.6 | 0.2 |
| 1690A | 41.11 | 133.1 | 0.31 | 10100 | 4.210 | 125.3 | 0.03 | 4200A | 48.15 | 246.7 | 0.20 | 9022 | 39.30 | 145.6 | 0.2 |
| 4860B | 37.45 | 121.3 | 0.31 | 3610A | 4.147 | 125.3 | 0.03 | 12580B | 48.02 | 246.7 | 0.19 | 9410B | 39.28 | 145.6 | 0.2 |
| 3610A | 37.39 | 121.3 | 0.31 | 1240B | 4.303 | 131.1 | 0.03 | 12520 | 48.02 | 246.7 | 0.19 | 1300A | 43.07 | 159.7 | 0.2 |
| 4100 | 37.35 | 121.3 | 0.31 | 2120A | 4.283 | 131.1 | 0.03 | 502B | 51.42 | 264.2 | 0.19 | 9210A | 39.27 | 145.6 | 0.2 |
| 11120A | 37.33 | 121.3 | 0.31 | 1540 | 4.241 | 131.1 | 0.03 | 3210B | 47.99 | 246.7 | 0.19 | 1060B | 43.05 | 159.7 | 0.2 |
| 3240A | 37.29 | 121.3 | 0.31 | 720 | 4.226 | 131.1 | 0.03 | 9210B | 47.94 | 246.7 | 0.19 | 3380A | 39.23 | 145.6 | 0.2 |
| 3380B | 37.27 | 121.3 | 0.31 | 2140 | 4.195 | 131.1 | 0.03 | 4930A | 47.83 | 246.7 | 0.19 | 3680B | 39.21 | 145.6 | 0.2 |
| 470A | 40.87 | 133.1 | 0.31 | 1820 | 4.190 | 131.1 | 0.03 | 3680B | 47.76 | 246.7 | 0.19 | 9150B | 39.16 | 145.6 | 0.2 |
| 4850B | 37.25 | 121.3 | 0.31 | 4960 | 3.967 | 125.3 | 0.03 | 9002 | 47.76 | 246.7 | 0.19 | 3060A | 39.14 | 145.6 | 0.2 |
| 3002 | 37.17 | 121.3 | 0.31 | 9730 | 3.964 | 125.3 | 0.03 | 12770A | 51.04 | 264.2 | 0.19 | 9210B | 39.13 | 145.6 | 0.2 |
| 3750B | 37.16 | 121.3 | 0.31 | 9028 | 3.934 | 125.3 | 0.03 | 10100 | 47.54 | 246.7 | 0.19 | 150A | 42.87 | 159.7 | 0.2 |
| 10340A | 37.14 | 121.3 | 0.31 | 350 | 4.092 | 131.1 | 0.03 | 10105 | 47.43 | 246.7 | 0.19 | 9525A | 39.09 | 145.6 | 0.2 |
| 3650A | 37.13 | 121.3 | 0.31 | 3180 | 3.857 | 125.3 | 0.03 | 4030A | 47.37 | 246.7 | 0.19 | 1100 | 42.84 | 159.7 | 0.2 |
| 3740A | 37.13 | 121.3 | 0.31 | 1770 | 4.031 | 131.1 | 0.03 | 10610B | 47.32 | 246.7 | 0.19 | 3990A | 39.04 | 145.6 | 0.2 |
| 9650A | 37.11 | 121.3 | 0.31 | 910 | 3.952 | 131.1 | 0.03 | 1200A | 50.61 | 264.2 | 0.19 | 12560A | 39.04 | 145.6 | 0.2 |
| 11120B | 37.05 | 121.3 | 0.31 | 3004 | 3.777 | 125.3 | 0.03 | 3750A | 47.26 | 246.7 | 0.19 | 4860B | 39.03 | 145.6 | 0.2 |
| 5020B | 37.05 | 121.3 | 0.31 | 9030 | 3.760 | 125.3 | 0.03 | 10030A | 47.25 | 246.7 | 0.19 | 3100A | 38.99 | 145.6 | 0.2 |
| 12550 | 37.03 | 121.3 | 0.31 | 500 | 3.933 | 131.1 | 0.03 | 4650A | 47.21 | 246.7 | 0.19 | 1690A | 42.72 | 159.7 | 0.2 |
| 9670A | 36.98 | 121.3 | 0.30 | 1560 | 3.875 | 131.1 | 0.03 | 12750 | 50.54 | 264.2 | 0.19 | 4610A | 38.96 | 145.6 | 0.2 |
| 2175 | 40.52 | 133.1 | 0.30 | 1110 | 3.863 | 131.1 | 0.03 | 3004 | 47.16 | 246.7 | 0.19 | 4850B | 38.89 | 145.6 | 0.2 |
| 527B | 40.52 | 133.1 | 0.30 | 2160 | 3.858 | 131.1 | 0.03 | 12760 | 50.44 | 264.2 | 0.19 | 10160A | 38.84 | 145.6 | 0.2 |
| 10850B | 36.94 | 121.3 | 0.30 | 480 | 3.855 | 131.1 | 0.03 | 9028 | 47.02 | 246.7 | 0.19 | 3525A | 38.84 | 145.6 | 0.2 |
| 3045B | 36.88 | 121.3 | 0.30 | 3730 | 3.654 | 125.3 | 0.03 | 3760 | 46.68 | 246.7 | 0.19 | 9060B | 38.78 | 145.6 | 0.2 |
| 505B | 40.44 | 133.1 | 0.30 | 3170 | 3.635 | 125.3 | 0.03 | 3505A | 46.64 | 246.7 | 0.19 | 9830A | 38.76 | 145.6 | 0.2 |
| 4880A | 36.86 | 121.3 | 0.30 | 680B | 3.784 | 131.1 | 0.03 | 4610B | 46.59 | 246.7 | 0.19 | 9070B | 38.70 | 145.6 | 0.2 |
| 3220B | 36.84 | 121.3 | 0.30 | 9520 | 3.589 | 125.3 | 0.03 | 3035A | 46.54 | 246.7 | 0.19 | 9670A | 38.67 | 145.6 | 0.2 |
| 9400A | 36.67 | 121.3 | 0.30 | 1180 | 3.728 | 131.1 | 0.03 | 10380A | 46.50 | 246.7 | 0.19 | 10850B | 38.66 | 145.6 | 0.2 |
| 2145B | 39.76 | 133.1 | 0.30 | 10960 | 3.555 | 125.3 | 0.03 | 12810A | 49.77 | 264.2 | 0.19 | 4100 | 38.64 | 145.6 | 0.2 |
| 9024 | 36.22 | 121.3 | 0.30 | 2120B | 3.704 | 131.1 | 0.03 | 525A | 49.67 | 264.2 | 0.19 | 9050 | 38.61 | 145.6 | 0.2 |
| 3410B | 36.22 | 121.3 | 0.30 | 2170 | 3.703 | 131.1 | 0.03 | 640B | 49.58 | 264.2 | 0.19 | 9100A | 38.58 | 145.6 | 0.2 |
| 10460A | 36.19 | 121.3 | 0.30 | 370B | 3.690 | 131.1 | 0.03 | 2160 | 49.57 | 264.2 | 0.19 | 9070A | 38.57 | 145.6 | 0.2 |

| EN 13480 (2012) Code compliance (Sorted stresses) | | | | | | | | | | | | | | | |
|---|-------------|-------------|----------|----------------------|-------------|-------------|----------|----------------------|-------------|----------------|-------------|-----------------------|-------------|----------------|-----------|
| Sustained (12.3.2-1) | | | | Expansion (12.3.4-1) | | | | Expansion (12.3.4-2) | | | | Occasional (12.3.3-1) | | | |
| Node | S1 (MPa) | ff (MPa) | S1 ff | Node | S3 (MPa) | fa (MPa) | S3 fa | Node | S4 (MPa) | ff+fa (MPa) | S4 ff+fa | Node | S2 (MPa) | 1.2ff (MPa) | S2 1.2 |
| 5140 | 36.13 | 121.3 | 0.30 | 3522 | 3.523 | 125.3 | 0.03 | 2120A | 49.56 | 264.2 | 0.19 | 1060A | 42.29 | 159.7 | 0.2 |
| 4340A | 36.10 | 121.3 | 0.30 | 340 | 3.652 | 131.1 | 0.03 | 505A | 49.49 | 264.2 | 0.19 | 3650A | 38.56 | 145.6 | 0.2 |
| 3670A | 36.07 | 121.3 | 0.30 | 580 | 3.574 | 131.1 | 0.03 | 1240B | 49.41 | 264.2 | 0.19 | 3090A | 38.51 | 145.6 | 0.2 |
| 9610A | 36.03 | 121.3 | 0.30 | 640B | 3.564 | 131.1 | 0.03 | 9505A | 46.10 | 246.7 | 0.19 | 9650A | 38.48 | 145.6 | 0.2 |
| 2200 | 39.45 | 133.1 | 0.30 | 12030 | 3.345 | 125.3 | 0.03 | 2140 | 49.28 | 264.2 | 0.19 | 11150A | 38.43 | 145.6 | 0.2 |
| 3527A | 35.96 | 121.3 | 0.30 | 1570 | 3.480 | 131.1 | 0.03 | 4380A | 45.92 | 246.7 | 0.19 | 3035A | 38.40 | 145.6 | 0.2 |
| 3250A | 35.96 | 121.3 | 0.30 | 1500A | 3.442 | 131.1 | 0.03 | 11180 | 45.78 | 246.7 | 0.19 | 3610A | 38.38 | 145.6 | 0.2 |
| 4160B | 35.88 | 121.3 | 0.30 | 840 | 3.440 | 131.1 | 0.03 | 9750A | 45.76 | 246.7 | 0.19 | 3070A | 38.36 | 145.6 | 0.2 |
| 5120A | 35.86 | 121.3 | 0.30 | 710 | 3.438 | 131.1 | 0.03 | 520 | 49.01 | 264.2 | 0.19 | 10150 | 38.35 | 145.6 | 0.2 |
| 9525A | 35.82 | 121.3 | 0.30 | 170 | 3.404 | 131.1 | 0.03 | 9022 | 45.73 | 246.7 | 0.19 | 4880A | 38.35 | 145.6 | 0.2 |
| 3045A | 35.77 | 121.3 | 0.29 | 9525A | 3.237 | 125.3 | 0.03 | 510 | 48.93 | 264.2 | 0.19 | 470A | 42.04 | 159.7 | 0.2 |
| 5160 | 35.70 | 121.3 | 0.29 | 5130 | 3.226 | 125.3 | 0.03 | 11120A | 45.58 | 246.7 | 0.18 | 4620B | 38.30 | 145.6 | 0.2 |
| 9990A | 35.68 | 121.3 | 0.29 | 9790A | 3.223 | 125.3 | 0.03 | 5120B | 45.55 | 246.7 | 0.18 | 9380A | 38.29 | 145.6 | 0.2 |
| 3525A | 35.68 | 121.3 | 0.29 | 10410 | 3.213 | 125.3 | 0.03 | 9640A | 45.31 | 246.7 | 0.18 | 3210A | 38.29 | 145.6 | 0.2 |
| 10160B | 35.66 | 121.3 | 0.29 | 2175 | 3.360 | 131.1 | 0.03 | 5180 | 45.28 | 246.7 | 0.18 | 3830A | 38.28 | 145.6 | 0.2 |
| 9250A | 35.61 | 121.3 | 0.29 | 1190 | 3.326 | 131.1 | 0.03 | 9690 | 45.11 | 246.7 | 0.18 | 10340A | 38.28 | 145.6 | 0.2 |
| 12580B | 35.58 | 121.3 | 0.29 | 3610B | 3.141 | 125.3 | 0.03 | 3035B | 45.11 | 246.7 | 0.18 | 3070B | 38.25 | 145.6 | 0.2 |
| 3035B | 35.45 | 121.3 | 0.29 | 3310 | 3.133 | 125.3 | 0.02 | 12780 | 48.24 | 264.2 | 0.18 | 3240B | 38.17 | 145.6 | 0.2 |
| 10760B | 35.38 | 121.3 | 0.29 | 3525A | 3.118 | 125.3 | 0.02 | 4990 | 45.02 | 246.7 | 0.18 | 310 | 41.85 | 159.7 | 0.2 |
| 2142B | 38.78 | 133.1 | 0.29 | 12020 | 3.104 | 125.3 | 0.02 | 10055 | 44.94 | 246.7 | 0.18 | 10030B | 38.12 | 145.6 | 0.2 |
| 2145A | 38.77 | 133.1 | 0.29 | 1240A | 3.182 | 131.1 | 0.02 | 9760A | 44.91 | 246.7 | 0.18 | 9240A | 38.06 | 145.6 | 0.2 |
| 4990 | 35.31 | 121.3 | 0.29 | 9170 | 3.011 | 125.3 | 0.02 | 9730 | 44.87 | 246.7 | 0.18 | 3380B | 38.01 | 145.6 | 0.2 |
| 502A | 38.71 | 133.1 | 0.29 | 3000 | 3.006 | 125.3 | 0.02 | 11120B | 44.78 | 246.7 | 0.18 | 3670A | 37.85 | 145.6 | 0.2 |
| 9505A | 35.29 | 121.3 | 0.29 | 12810A | 3.127 | 131.1 | 0.02 | 1960 | 47.93 | 264.2 | 0.18 | 502A | 41.46 | 159.7 | 0.2 |
| 12820 | 38.66 | 133.1 | 0.29 | 507 | 3.080 | 131.1 | 0.02 | 3502A | 44.68 | 246.7 | 0.18 | 9502A | 37.81 | 145.6 | 0.2 |
| 3150A | 35.24 | 121.3 | 0.29 | 1580 | 3.044 | 131.1 | 0.02 | 3920B | 44.54 | 246.7 | 0.18 | 4640A | 37.80 | 145.6 | 0.2 |
| 3505A | 35.23 | 121.3 | 0.29 | 4410 | 2.899 | 125.3 | 0.02 | 3640A | 44.45 | 246.7 | 0.18 | 3060B | 37.80 | 145.6 | 0.2 |
| 10030B | 35.11 | 121.3 | 0.29 | 700 | 2.986 | 131.1 | 0.02 | 9515 | 44.37 | 246.7 | 0.18 | 9220B | 37.79 | 145.6 | 0.2 |
| 10470B | 35.03 | 121.3 | 0.29 | 12710B | 2.985 | 131.1 | 0.02 | 9502A | 44.21 | 246.7 | 0.18 | 12550 | 37.72 | 145.6 | 0.2 |
| 3400A | 35.01 | 121.3 | 0.29 | 12720A | 2.985 | 131.1 | 0.02 | 12500 | 44.18 | 246.7 | 0.18 | 9240B | 37.68 | 145.6 | 0.2 |
| 4460A | 35.01 | 121.3 | 0.29 | 2185 | 2.966 | 131.1 | 0.02 | 9920B | 44.16 | 246.7 | 0.18 | 9024 | 37.62 | 145.6 | 0.2 |
| 10200A | 34.89 | 121.3 | 0.29 | 9525B | 2.806 | 125.3 | 0.02 | 5120A | 44.06 | 246.7 | 0.18 | 3502A | 37.58 | 145.6 | 0.2 |
| 3990A | 34.84 | 121.3 | 0.29 | 9930 | 2.800 | 125.3 | 0.02 | 9610B | 43.85 | 246.7 | 0.18 | 9400A | 37.52 | 145.6 | 0.2 |
| 9150A | 34.83 | 121.3 | 0.29 | 9527A | 2.787 | 125.3 | 0.02 | 5150B | 43.74 | 246.7 | 0.18 | 3240A | 37.51 | 145.6 | 0.2 |
| 9640B | 34.70 | 121.3 | 0.29 | 9310 | 2.780 | 125.3 | 0.02 | 2145B | 46.78 | 264.2 | 0.18 | 3045B | 37.48 | 145.6 | 0.2 |
| 11020A | 34.55 | 121.3 | 0.28 | 1200B | 2.901 | 131.1 | 0.02 | 9525B | 43.62 | 246.7 | 0.18 | 3002 | 37.42 | 145.6 | 0.2 |
| 3527B | 34.50 | 121.3 | 0.28 | 1980 | 2.895 | 131.1 | 0.02 | 11150B | 43.61 | 246.7 | 0.18 | 3522 | 37.29 | 145.6 | 0.2 |
| 5020A | 34.44 | 121.3 | 0.28 | 3780A | 2.733 | 125.3 | 0.02 | 3610B | 43.40 | 246.7 | 0.18 | 4340A | 37.14 | 145.6 | 0.2 |
| 10720A | 34.38 | 121.3 | 0.28 | 9527B | 2.720 | 125.3 | 0.02 | 1055 | 46.41 | 264.2 | 0.18 | 3410B | 37.12 | 145.6 | 0.2 |
| 3640B | 34.34 | 121.3 | 0.28 | 1250 | 2.799 | 131.1 | 0.02 | 3520 | 43.27 | 246.7 | 0.18 | 4160B | 37.11 | 145.6 | 0.2 |
| 10500B | 34.31 | 121.3 | 0.28 | 9680A | 2.670 | 125.3 | 0.02 | 2142B | 46.32 | 264.2 | 0.18 | 3220B | 37.07 | 145.6 | 0.2 |
| 4760B | 34.27 | 121.3 | 0.28 | 12720B | 2.755 | 131.1 | 0.02 | 2145A | 46.31 | 264.2 | 0.18 | 4030B | 37.01 | 145.6 | 0.2 |
| 10490A | 34.22 | 121.3 | 0.28 | 3525B | 2.611 | 125.3 | 0.02 | 12510 | 43.19 | 246.7 | 0.18 | 10460A | 36.97 | 145.6 | 0.2 |
| 10000B | 34.20 | 121.3 | 0.28 | 3527A | 2.576 | 125.3 | 0.02 | 9620 | 43.19 | 246.7 | 0.18 | 9610A | 36.93 | 145.6 | 0.2 |
| 3522 | 34.19 | 121.3 | 0.28 | 3002 | 2.563 | 125.3 | 0.02 | 9680A | 43.08 | 246.7 | 0.17 | 2200 | 40.32 | 159.7 | 0.2 |
| 4470B | 34.18 | 121.3 | 0.28 | 4890A | 2.551 | 125.3 | 0.02 | 2170 | 46.11 | 264.2 | 0.17 | 10160B | 36.73 | 145.6 | 0.2 |

| EN 13480 (2012) Code compliance (Sorted stresses) | | | | | | | | | | | | | | | |
|---|-------------|-------------|----------|----------------------|-------------|-------------|----------|----------------------|-------------|----------------|-------------|-----------------------|-------------|----------------|-----------|
| Sustained (12.3.2-1) | | | | Expansion (12.3.4-1) | | | | Expansion (12.3.4-2) | | | | Occasional (12.3.3-1) | | | |
| Node | S1 (MPa) | ff (MPa) | S1 ff | Node | S3 (MPa) | fa (MPa) | S3 fa | Node | S4 (MPa) | ff+fa (MPa) | S4 ff+fa | Node | S2 (MPa) | 1.2ff (MPa) | S2 1.2 |
| 10240B | 34.16 | 121.3 | 0.28 | 9522 | 2.548 | 125.3 | 0.02 | 3680A | 43.05 | 246.7 | 0.17 | 11140 | 36.49 | 145.6 | 0.2 |
| 12770A | 37.46 | 133.1 | 0.28 | 3527B | 2.547 | 125.3 | 0.02 | 9795 | 43.04 | 246.7 | 0.17 | 10760B | 36.44 | 145.6 | 0.2 |
| 11160 | 34.13 | 121.3 | 0.28 | 950 | 2.608 | 131.1 | 0.02 | 5150A | 42.87 | 246.7 | 0.17 | 3045A | 36.37 | 145.6 | 0.2 |
| 9026 | 34.13 | 121.3 | 0.28 | 12820 | 2.597 | 131.1 | 0.02 | 9790B | 42.81 | 246.7 | 0.17 | 9640B | 36.31 | 145.6 | 0.2 |
| 10020A | 33.90 | 121.3 | 0.28 | 3930 | 2.459 | 125.3 | 0.02 | 12770B | 45.80 | 264.2 | 0.17 | 10240B | 36.28 | 145.6 | 0.2 |
| 4030B | 33.77 | 121.3 | 0.28 | 9640A | 2.449 | 125.3 | 0.02 | 5160 | 42.72 | 246.7 | 0.17 | 12580B | 36.19 | 145.6 | 0.2 |
| 4200A | 33.70 | 121.3 | 0.28 | 690 | 2.536 | 131.1 | 0.02 | 505B | 45.72 | 264.2 | 0.17 | 3035B | 36.15 | 145.6 | 0.2 |
| 10210B | 33.68 | 121.3 | 0.28 | 11130 | 2.397 | 125.3 | 0.02 | 9790A | 42.24 | 246.7 | 0.17 | 3250A | 36.06 | 145.6 | 0.2 |
| 4490A | 33.62 | 121.3 | 0.28 | 740 | 2.475 | 131.1 | 0.02 | 9610A | 42.19 | 246.7 | 0.17 | 10200A | 35.89 | 145.6 | 0.2 |
| 4000B | 33.62 | 121.3 | 0.28 | 1260 | 2.453 | 131.1 | 0.02 | 5140 | 42.16 | 246.7 | 0.17 | 9026 | 35.87 | 145.6 | 0.2 |
| 11175 | 33.59 | 121.3 | 0.28 | 3524 | 2.341 | 125.3 | 0.02 | 4200B | 42.10 | 246.7 | 0.17 | 3640B | 35.86 | 145.6 | 0.2 |
| 10230A | 33.46 | 121.3 | 0.28 | 4560 | 2.340 | 125.3 | 0.02 | 3780A | 42.02 | 246.7 | 0.17 | 4460A | 35.81 | 145.6 | 0.2 |
| 9920B | 33.41 | 121.3 | 0.28 | 11200 | 2.332 | 125.3 | 0.02 | 9527A | 41.95 | 246.7 | 0.17 | 3400A | 35.78 | 145.6 | 0.2 |
| 3020 | 33.35 | 121.3 | 0.27 | 10560 | 2.316 | 125.3 | 0.02 | 11150A | 41.93 | 246.7 | 0.17 | 9250A | 35.73 | 145.6 | 0.2 |
| 3920B | 33.35 | 121.3 | 0.27 | 510 | 2.387 | 131.1 | 0.02 | 10990 | 41.92 | 246.7 | 0.17 | 12820 | 38.82 | 159.7 | 0.2 |
| 4500B | 33.34 | 121.3 | 0.27 | 12810B | 2.381 | 131.1 | 0.02 | 3740A | 41.79 | 246.7 | 0.17 | 4240B | 35.37 | 145.6 | 0.2 |
| 4720A | 33.28 | 121.3 | 0.27 | 3640A | 2.236 | 125.3 | 0.02 | 9527B | 41.75 | 246.7 | 0.17 | 3150A | 35.36 | 145.6 | 0.2 |
| 4020A | 33.22 | 121.3 | 0.27 | 5200 | 2.204 | 125.3 | 0.02 | 4100 | 41.66 | 246.7 | 0.17 | 4760B | 35.31 | 145.6 | 0.2 |
| 4240B | 33.21 | 121.3 | 0.27 | 560 | 2.297 | 131.1 | 0.02 | 4055 | 41.64 | 246.7 | 0.17 | 10470B | 35.18 | 145.6 | 0.2 |
| 9502A | 33.16 | 121.3 | 0.27 | 1460B | 2.264 | 131.1 | 0.02 | 3040 | 41.56 | 246.7 | 0.17 | 10500B | 35.18 | 145.6 | 0.2 |
| 10750A | 33.13 | 121.3 | 0.27 | 1910 | 2.248 | 131.1 | 0.02 | 3610A | 41.54 | 246.7 | 0.17 | 10720A | 35.15 | 145.6 | 0.2 |
| 4210B | 33.09 | 121.3 | 0.27 | 850 | 2.223 | 131.1 | 0.02 | 502A | 44.43 | 264.2 | 0.17 | 10020A | 35.14 | 145.6 | 0.2 |
| 3502A | 33.02 | 121.3 | 0.27 | 3680A | 2.076 | 125.3 | 0.02 | 11160 | 41.45 | 246.7 | 0.17 | 9150A | 34.98 | 145.6 | 0.2 |
| 4230A | 32.94 | 121.3 | 0.27 | 12780 | 2.160 | 131.1 | 0.02 | 10060B | 41.25 | 246.7 | 0.17 | 9505B | 34.81 | 145.6 | 0.2 |
| 4960 | 32.54 | 121.3 | 0.27 | 2130 | 2.155 | 131.1 | 0.02 | 10200B | 41.22 | 246.7 | 0.17 | 12770A | 38.16 | 159.7 | 0.2 |
| 4750A | 32.49 | 121.3 | 0.27 | 3840 | 1.982 | 125.3 | 0.02 | 1060B | 44.05 | 264.2 | 0.17 | 4200A | 34.78 | 145.6 | 0.2 |
| 10060B | 32.47 | 121.3 | 0.27 | 11180 | 1.933 | 125.3 | 0.02 | 9024 | 41.09 | 246.7 | 0.17 | 10000B | 34.69 | 145.6 | 0.2 |
| 10930A | 32.46 | 121.3 | 0.27 | 9750B | 1.906 | 125.3 | 0.02 | 4890A | 41.03 | 246.7 | 0.17 | 3020 | 34.40 | 145.6 | 0.2 |
| 10960 | 32.34 | 121.3 | 0.27 | 5180 | 1.780 | 125.3 | 0.01 | 9640B | 41.01 | 246.7 | 0.17 | 4020A | 34.38 | 145.6 | 0.2 |
| 5175 | 32.25 | 121.3 | 0.27 | 1420 | 1.861 | 131.1 | 0.01 | 2175 | 43.88 | 264.2 | 0.17 | 10490A | 34.37 | 145.6 | 0.2 |
| 10730B | 32.18 | 121.3 | 0.27 | 10890A | 1.746 | 125.3 | 0.01 | 525B | 43.82 | 264.2 | 0.17 | 4470B | 34.35 | 145.6 | 0.2 |
| 4060B | 32.12 | 121.3 | 0.26 | 9840 | 1.669 | 125.3 | 0.01 | 9750B | 40.79 | 246.7 | 0.17 | 10210B | 34.32 | 145.6 | 0.2 |
| 12790A | 35.19 | 133.1 | 0.26 | 10950 | 1.636 | 125.3 | 0.01 | 527A | 43.63 | 264.2 | 0.17 | 4500B | 34.22 | 145.6 | 0.2 |
| 9830A | 32.04 | 121.3 | 0.26 | 9620 | 1.625 | 125.3 | 0.01 | 12000B | 40.61 | 246.7 | 0.16 | 3505B | 34.09 | 145.6 | 0.2 |
| 3830A | 31.95 | 121.3 | 0.26 | 10850B | 1.582 | 125.3 | 0.01 | 3640B | 40.54 | 246.7 | 0.16 | 4720A | 34.05 | 145.6 | 0.2 |
| 4930A | 31.92 | 121.3 | 0.26 | 930 | 1.651 | 131.1 | 0.01 | 1100 | 43.31 | 264.2 | 0.16 | 4000B | 34.01 | 145.6 | 0.2 |
| 9310 | 31.76 | 121.3 | 0.26 | 1400 | 1.646 | 131.1 | 0.01 | 12010A | 40.42 | 246.7 | 0.16 | 9520 | 33.95 | 145.6 | 0.2 |
| 3470A | 31.68 | 121.3 | 0.26 | 12740 | 1.639 | 131.1 | 0.01 | 4060B | 40.32 | 246.7 | 0.16 | 10230A | 33.92 | 145.6 | 0.2 |
| 4730B | 31.68 | 121.3 | 0.26 | 990B | 1.608 | 131.1 | 0.01 | 3740B | 40.29 | 246.7 | 0.16 | 4490A | 33.78 | 145.6 | 0.2 |
| 3310 | 31.60 | 121.3 | 0.26 | 3620 | 1.525 | 125.3 | 0.01 | 9505B | 40.28 | 246.7 | 0.16 | 4210B | 33.61 | 145.6 | 0.2 |
| 12010A | 31.58 | 121.3 | 0.26 | 440 | 1.585 | 131.1 | 0.01 | 3505B | 40.19 | 246.7 | 0.16 | 10750A | 33.40 | 145.6 | 0.2 |
| 5170 | 31.48 | 121.3 | 0.26 | 520 | 1.582 | 131.1 | 0.01 | 3525B | 40.11 | 246.7 | 0.16 | 10060B | 33.32 | 145.6 | 0.2 |
| 12000B | 31.45 | 121.3 | 0.26 | 1060B | 1.575 | 131.1 | 0.01 | 11175 | 40.01 | 246.7 | 0.16 | 4230A | 33.23 | 145.6 | 0.2 |
| 12770B | 34.38 | 133.1 | 0.26 | 11080 | 1.490 | 125.3 | 0.01 | 3002 | 39.74 | 246.7 | 0.16 | 3470A | 32.93 | 145.6 | 0.2 |
| 12740 | 34.30 | 133.1 | 0.26 | 12750 | 1.556 | 131.1 | 0.01 | 3780B | 39.72 | 246.7 | 0.16 | 4060B | 32.92 | 145.6 | 0.2 |
| 12010B | 31.23 | 121.3 | 0.26 | 1960 | 1.528 | 131.1 | 0.01 | 1060A | 42.37 | 264.2 | 0.16 | 12010A | 32.76 | 145.6 | 0.2 |

| EN 13480 (2012) Code compliance (Sorted stresses) | | | | | | | | | | | | | | | |
|---|-------------|-------------|----------|----------------------|-------------|-------------|----------|----------------------|-------------|----------------|-------------|-----------------------|-------------|----------------|-----------|
| Sustained (12.3.2-1) | | | | Expansion (12.3.4-1) | | | | Expansion (12.3.4-2) | | | | Occasional (12.3.3-1) | | | |
| Node | S1 (MPa) | ff (MPa) | S1 ff | Node | S3 (MPa) | fa (MPa) | S3 fa | Node | S4 (MPa) | ff+fa (MPa) | S4 ff+fa | Node | S2 (MPa) | 1.2ff (MPa) | S2 1.2 |
| 10990 | 31.22 | 121.3 | 0.26 | 4950 | 1.454 | 125.3 | 0.01 | 12790A | 42.25 | 264.2 | 0.16 | 4750A | 32.75 | 145.6 | 0.2 |
| 9470A | 31.22 | 121.3 | 0.26 | 3550 | 1.416 | 125.3 | 0.01 | 3020 | 39.38 | 246.7 | 0.16 | 12000B | 32.61 | 145.6 | 0.2 |
| 3022 | 31.19 | 121.3 | 0.26 | 9550 | 1.369 | 125.3 | 0.01 | 10890A | 39.38 | 246.7 | 0.16 | 12790A | 35.73 | 159.7 | 0.2 |
| 3600A | 31.11 | 121.3 | 0.26 | 1760A | 1.419 | 131.1 | 0.01 | 9525A | 39.06 | 246.7 | 0.16 | 10730B | 32.57 | 145.6 | 0.2 |
| 9600A | 31.11 | 121.3 | 0.26 | 1950 | 1.407 | 131.1 | 0.01 | 527B | 41.67 | 264.2 | 0.16 | 9470A | 32.55 | 145.6 | 0.2 |
| 12500 | 31.02 | 121.3 | 0.26 | 640A | 1.369 | 131.1 | 0.01 | 3525A | 38.80 | 246.7 | 0.16 | 12500 | 32.49 | 145.6 | 0.2 |
| 12510 | 30.94 | 121.3 | 0.25 | 9790B | 1.293 | 125.3 | 0.01 | 3527A | 38.54 | 246.7 | 0.16 | 12510 | 32.36 | 145.6 | 0.2 |
| 12030 | 30.90 | 121.3 | 0.25 | 1410 | 1.334 | 131.1 | 0.01 | 12820 | 41.26 | 264.2 | 0.16 | 3022 | 32.11 | 145.6 | 0.2 |
| 11140 | 30.80 | 121.3 | 0.25 | 3790 | 1.266 | 125.3 | 0.01 | 10850B | 38.52 | 246.7 | 0.16 | 12010B | 32.05 | 145.6 | 0.2 |
| 9000 | 30.66 | 121.3 | 0.25 | 525A | 1.316 | 131.1 | 0.01 | 12000A | 38.48 | 246.7 | 0.16 | 4730B | 32.04 | 145.6 | 0.2 |
| 5150B | 30.62 | 121.3 | 0.25 | 4055 | 1.218 | 125.3 | 0.01 | 5175 | 38.39 | 246.7 | 0.16 | 9310 | 31.95 | 145.6 | 0.2 |
| 12020 | 30.58 | 121.3 | 0.25 | 527B | 1.151 | 131.1 | 0.01 | 9026 | 38.36 | 246.7 | 0.16 | 9600A | 31.92 | 145.6 | 0.2 |
| 12000A | 30.57 | 121.3 | 0.25 | 3560 | 1.092 | 125.3 | 0.01 | 5170 | 38.22 | 246.7 | 0.15 | 12770B | 34.98 | 159.7 | 0.2 |
| 11150B | 30.42 | 121.3 | 0.25 | 1060A | 1.135 | 131.1 | 0.01 | 11140 | 37.83 | 246.7 | 0.15 | 3600A | 31.89 | 145.6 | 0.2 |
| 9520 | 30.33 | 121.3 | 0.25 | 5080 | 1.073 | 125.3 | 0.01 | 3522 | 37.72 | 246.7 | 0.15 | 3310 | 31.78 | 145.6 | 0.2 |
| 5150A | 30.30 | 121.3 | 0.25 | 680A | 1.119 | 131.1 | 0.01 | 4850B | 37.62 | 246.7 | 0.15 | 12740 | 34.73 | 159.7 | 0.2 |
| 3040 | 30.27 | 121.3 | 0.25 | 550 | 1.064 | 131.1 | 0.01 | 2200 | 39.98 | 264.2 | 0.15 | 12030 | 31.61 | 145.6 | 0.2 |
| 4300A | 30.26 | 121.3 | 0.25 | 9795 | 0.986 | 125.3 | 0.01 | 11170 | 37.11 | 246.7 | 0.15 | 12000A | 31.27 | 145.6 | 0.2 |
| 3034 | 30.14 | 121.3 | 0.25 | 10200B | 0.963 | 125.3 | 0.01 | 3527B | 37.05 | 246.7 | 0.15 | 12020 | 31.23 | 145.6 | 0.2 |
| 11170 | 30.07 | 121.3 | 0.25 | 615 | 1.005 | 131.1 | 0.01 | 12010B | 36.57 | 246.7 | 0.15 | 9000 | 31.14 | 145.6 | 0.2 |
| 10690A | 30.05 | 121.3 | 0.25 | 1100 | 0.997 | 131.1 | 0.01 | 10060A | 36.53 | 246.7 | 0.15 | 3034 | 31.00 | 145.6 | 0.2 |
| 4690A | 29.98 | 121.3 | 0.25 | 1320 | 0.986 | 131.1 | 0.01 | 4960 | 36.51 | 246.7 | 0.15 | 3040 | 30.92 | 145.6 | 0.2 |
| 3000 | 29.94 | 121.3 | 0.25 | 2180 | 0.949 | 131.1 | 0.01 | 4060A | 36.30 | 246.7 | 0.15 | 10690A | 30.92 | 145.6 | 0.2 |
| 10300A | 29.85 | 121.3 | 0.25 | 410A | 0.944 | 131.1 | 0.01 | 3022 | 36.22 | 246.7 | 0.15 | 4690A | 30.88 | 145.6 | 0.2 |
| 9505B | 29.80 | 121.3 | 0.25 | 620 | 0.940 | 131.1 | 0.01 | 10960 | 35.89 | 246.7 | 0.15 | 4060A | 30.85 | 145.6 | 0.2 |
| 4060A | 29.59 | 121.3 | 0.24 | 522 | 0.925 | 131.1 | 0.01 | 9000 | 35.34 | 246.7 | 0.14 | 4300A | 30.73 | 145.6 | 0.2 |
| 12110B | 32.43 | 133.1 | 0.24 | 1105 | 0.912 | 131.1 | 0.01 | 3034 | 35.14 | 246.7 | 0.14 | 10060A | 30.46 | 145.6 | 0.2 |
| 12720B | 32.42 | 133.1 | 0.24 | 9560 | 0.840 | 125.3 | 0.01 | 3310 | 34.73 | 246.7 | 0.14 | 10300A | 30.35 | 145.6 | 0.2 |
| 12100B | 32.22 | 133.1 | 0.24 | 525B | 0.833 | 131.1 | 0.01 | 12710A | 37.15 | 264.2 | 0.14 | 3000 | 30.31 | 145.6 | 0.2 |
| 12110A | 32.21 | 133.1 | 0.24 | 527A | 0.824 | 131.1 | 0.01 | 12700A | 37.04 | 264.2 | 0.14 | 12720B | 32.97 | 159.7 | 0.2 |
| 12120A | 32.10 | 133.1 | 0.24 | 4200B | 0.772 | 125.3 | 0.01 | 9310 | 34.54 | 246.7 | 0.14 | 12110B | 32.94 | 159.7 | 0.2 |
| 11150A | 29.27 | 121.3 | 0.24 | 3780B | 0.771 | 125.3 | 0.01 | 12030 | 34.25 | 246.7 | 0.14 | 12100B | 32.65 | 159.7 | 0.2 |
| 10060A | 29.27 | 121.3 | 0.24 | 10055 | 0.653 | 125.3 | 0.01 | 9520 | 33.92 | 246.7 | 0.14 | 12110A | 32.64 | 159.7 | 0.2 |
| 3505B | 29.17 | 121.3 | 0.24 | 2080 | 0.588 | 131.1 | 0.00 | 12700B | 36.18 | 264.2 | 0.14 | 12120A | 32.64 | 159.7 | 0.2 |
| 12810B | 31.16 | 133.1 | 0.23 | 2200 | 0.532 | 131.1 | 0.00 | 12020 | 33.69 | 246.7 | 0.14 | 12700A | 32.04 | 159.7 | 0.2 |
| 12700A | 31.03 | 133.1 | 0.23 | 3740B | 0.489 | 125.3 | 0.00 | 12740 | 35.94 | 264.2 | 0.14 | 12810B | 31.42 | 159.7 | 0.2 |
| 12720A | 30.39 | 133.1 | 0.23 | 10105 | 0.487 | 125.3 | 0.00 | 3000 | 32.94 | 246.7 | 0.13 | 12720A | 31.08 | 159.7 | 0.1 |
| 12710B | 30.39 | 133.1 | 0.23 | 1025A | 0.449 | 131.1 | 0.00 | 12720B | 35.17 | 264.2 | 0.13 | 12710B | 31.08 | 159.7 | 0.1 |
| 12120B | 29.75 | 133.1 | 0.22 | 4850B | 0.370 | 125.3 | 0.00 | 12810B | 33.54 | 264.2 | 0.13 | 12710A | 30.61 | 159.7 | 0.1 |
| 12710A | 29.67 | 133.1 | 0.22 | 4105 | 0.316 | 125.3 | 0.00 | 12720A | 33.37 | 264.2 | 0.13 | 12120B | 30.34 | 159.7 | 0.1 |
| 12700B | 28.63 | 133.1 | 0.22 | 1055 | 0.246 | 131.1 | 0.00 | 12710B | 33.37 | 264.2 | 0.13 | 12700B | 29.60 | 159.7 | 0.1 |

Zatížení základových patek v lokálním souřadnicovém systému

| | | | | | |
|----|--|--|--|--|--|
| fx | síla v ose potrubí | | | | |
| fy | síla kolmá na osu potrubí (ve svislém směru) | | | | |
| fz | vodorovná síla kolmá k ose potrubí | | | | |

| Statické zatížení (náplň + tlak) | | | | | | | |
|----------------------------------|------|--------|---------|--------|-------|------|-------|
| | | fx | fy | fz | mx | my | mz |
| Č. uložení | Node | (N) | (N) | (N) | (Nm) | (Nm) | (Nm) |
| 1/1-SS-C | 20 | -3508 | -123854 | 5997 | | | |
| 3-GS-C | 50 | 197 | -125827 | -3613 | 15 | -7 | 0 |
| 4-SS-C | 80 | 565 | -85627 | 212 | | | |
| 5-GS-C | 110 | -2857 | -113714 | -571 | -2 | 131 | 0 |
| 6-GS-C | 130 | -4000 | -115870 | 3 | 0 | 0 | 0 |
| 7-SS-C | 140 | -612 | -145173 | 183 | | | |
| 9-SS-C | 160 | 211 | -146300 | 537 | | | |
| 10-SS-C | 170 | 15380 | -104271 | -343 | | | |
| 11-GS-C | 180 | 1366 | -151346 | 114 | 0 | 0 | 0 |
| 13-FP-C | 230 | 6945 | -177476 | -108 | 13127 | 26 | 467 |
| 16-SS-C | 290 | 21184 | -145357 | 2107 | | | |
| 17-SS-C | 300 | 15245 | -114908 | -5909 | | | |
| 19-SS-C | 330 | -23120 | -130348 | -7587 | | | |
| 20-GS-C | 340 | -22571 | -113076 | 3140 | 87 | -8 | -16 |
| 21-SS-C | 350 | -9214 | -125042 | -2047 | | | |
| 23-SS-C | 390 | -4385 | -88326 | -275 | | | |
| 24-SS-C | 420 | -1370 | -130580 | 1777 | | | |
| 25-GS-C | 440 | -17289 | -119672 | -736 | 0 | 0 | 0 |
| 26-SS-C | 450 | -22710 | -111660 | 599 | | | |
| 27-SS-C | 460 | -696 | -149018 | -1379 | | | |
| 29-SS-C | 480 | 130 | -145008 | 225 | | | |
| 30-FP-C | 490 | -7950 | -113748 | -128 | 1468 | 40 | -1549 |
| 31-SS-C | 500 | -54407 | -100845 | -342 | | | |
| 32-SS-C | 507 | -8874 | -94086 | 724 | | | |
| 33-SS-C | 510 | 0 | -86737 | -810 | | | |
| 34-SS-C | 520 | 0 | -79751 | 2141 | | | |
| 35-SS-C | 522 | 5191 | -97427 | -3917 | | | |
| 37-SS-C | 550 | 1138 | -111215 | 7492 | | | |
| 38-SS-C | 560 | 69 | -119467 | -2749 | | | |
| 39-FP-C | 570 | -685 | -128447 | -187 | 1074 | 203 | -894 |
| 40-SS-C | 580 | 1496 | -70944 | 6139 | | | |
| 41-SS-C | 590 | 124 | -145202 | -14506 | | | |
| 43-GS-C | 615 | -10134 | -145610 | 1573 | 129 | -322 | 0 |
| 44-SS-C | 620 | -1743 | -108397 | -2712 | | | |
| 45-SS-C | 660 | -7086 | -88576 | -1120 | | | |
| 46-SS-C | 690 | -4729 | -112324 | 3315 | | | |
| 47-SS-C | 700 | -2668 | -116608 | -766 | | | |
| 48-GS-C | 710 | -23930 | -103023 | 183 | -2098 | 148 | -135 |
| 49-SS-C | 720 | 3491 | -141951 | -5 | | | |
| 51-FP-C | 730 | -9497 | -180361 | -99 | -1697 | 25 | -662 |
| 53-SS-C | 740 | 1643 | -119782 | 1197 | | | |
| 54-SS-C | 750 | -23990 | -91023 | -4650 | | | |
| 56-SS-C | 840 | 4555 | -128297 | -1077 | | | |
| 57-GS-C | 850 | 2765 | -106584 | 388 | 466 | 3 | 118 |
| 58-SS-C | 910 | -164 | -148522 | -46 | | | |
| 60-SS-C | 930 | -23 | -162835 | -264 | | | |
| 61-FP-C | 940 | 930 | -103457 | 102 | 1127 | 15 | -2817 |
| 62-SS-C | 950 | -95 | -108493 | 46 | | | |
| 63-GS-C | 970 | 4048 | -74203 | -263 | 0 | 0 | 0 |
| 64-SS-C | 980 | 2005 | -125123 | 758 | | | |
| 65-SS-C | 1015 | 9769 | -102920 | 417 | | | |
| 66-SS-C | 1040 | -2096 | -125287 | -1058 | | | |
| 67-GS-C | 1050 | 11325 | -65297 | -2125 | 0 | 0 | 0 |
| 68-FP-C | 1055 | 9289 | -119668 | 5376 | -610 | -563 | -3527 |
| 70-SS-C | 1100 | 2325 | -91200 | -8818 | | | |
| 71-SS-C | 1102 | 3788 | -37970 | 252 | | | |
| 72-SS-C | 1105 | 10111 | -35747 | 3576 | | | |
| 73-SS-C | 1110 | 16051 | -161624 | -1890 | | | |
| 74-SS-C | 1130 | -29278 | -131342 | 3962 | | | |
| 76-SS-C | 1170 | 9776 | -125381 | -11 | | | |
| 77-GS-C | 1180 | 7959 | -100821 | -342 | 256 | 46 | 1866 |
| 78-SS-C | 1190 | 6546 | -121756 | 1025 | | | |
| 79-SS-C | 1220 | 9056 | -104946 | 193 | | | |
| 80-SS-C | 1250 | 1350 | -121042 | -1280 | | | |
| 81-GS-C | 1260 | 16524 | -102383 | 458 | -2 | 4 | 0 |
| 82-SS-C | 1270 | -632 | -125853 | -107 | | | |
| 83-SS-C | 1280 | 16863 | -114215 | 38 | | | |
| 84-SS-C | 1290 | 7361 | -141463 | -57 | | | |

| Expanze od provozní teploty | | | | | | | |
|-----------------------------|------|--------|-------|--------|-------|-------|-------|
| | | fx | fy | fz | mx | my | mz |
| Č. uložení | Node | (N) | (N) | (N) | (Nm) | (Nm) | (Nm) |
| 1/1-SS-C | 20 | 0 | 0 | 0 | | | |
| 3-GS-C | 50 | 82 | -1146 | -63 | 150 | -10 | 0 |
| 4-SS-C | 80 | -43 | -260 | -65 | | | |
| 5-GS-C | 110 | -5183 | -56 | -17311 | -1098 | -12 | 0 |
| 6-GS-C | 130 | -7380 | 2286 | 25752 | 0 | 0 | 0 |
| 7-SS-C | 140 | -25 | -818 | 0 | | | |
| 9-SS-C | 160 | 4 | -2331 | 0 | | | |
| 10-SS-C | 170 | 0 | 0 | 0 | | | |
| 11-GS-C | 180 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13-FP-C | 230 | 32969 | 2776 | 10036 | -2409 | -8228 | -1603 |
| 16-SS-C | 290 | 89 | -1659 | 163 | | | |
| 17-SS-C | 300 | 90 | -1363 | 135 | | | |
| 19-SS-C | 330 | -112 | -875 | 111 | | | |
| 20-GS-C | 340 | 2085 | 676 | 7330 | -4 | 1 | 4 |
| 21-SS-C | 350 | -6 | -1085 | 0 | | | |
| 23-SS-C | 390 | 30 | -1456 | -61 | | | |
| 24-SS-C | 420 | -42 | 1571 | 12 | | | |
| 25-GS-C | 440 | -1568 | -414 | 5052 | 0 | 0 | 0 |
| 26-SS-C | 450 | 0 | 0 | 0 | | | |
| 27-SS-C | 460 | 0 | -80 | 0 | | | |
| 29-SS-C | 480 | 0 | 73 | 0 | | | |
| 30-FP-C | 490 | 17492 | 138 | 4935 | -644 | 13587 | -847 |
| 31-SS-C | 500 | -50 | -140 | -12 | | | |
| 32-SS-C | 507 | 0 | 0 | 0 | | | |
| 33-SS-C | 510 | 1 | 0 | -1 | | | |
| 34-SS-C | 520 | 0 | 0 | 0 | | | |
| 35-SS-C | 522 | 0 | 0 | 0 | | | |
| 37-SS-C | 550 | -6 | -39 | -10 | | | |
| 38-SS-C | 560 | 0 | 0 | 0 | | | |
| 39-FP-C | 570 | -7851 | -193 | 3934 | -124 | -9403 | -89 |
| 40-SS-C | 580 | 12 | -346 | 28 | | | |
| 41-SS-C | 590 | -3 | 43 | 0 | | | |
| 43-GS-C | 615 | -1642 | 252 | 5586 | -7 | 25 | 0 |
| 44-SS-C | 620 | 0 | 22 | 1 | | | |
| 45-SS-C | 660 | -51 | -247 | -65 | | | |
| 46-SS-C | 690 | -11 | 453 | -1 | | | |
| 47-SS-C | 700 | 0 | 0 | 0 | | | |
| 48-GS-C | 710 | 5 | 0 | 146 | 1 | 0 | 11 |
| 49-SS-C | 720 | -75 | -213 | 25 | | | |
| 51-FP-C | 730 | 4121 | 329 | -2850 | -676 | 4980 | -29 |
| 53-SS-C | 740 | 0 | 0 | 1 | | | |
| 54-SS-C | 750 | 2 | 58 | 0 | | | |
| 56-SS-C | 840 | 0 | 2 | 0 | | | |
| 57-GS-C | 850 | -430 | 154 | -1529 | 1 | 0 | 1 |
| 58-SS-C | 910 | 0 | 2 | 0 | | | |
| 60-SS-C | 930 | -31 | -578 | 46 | | | |
| 61-FP-C | 940 | -15985 | 858 | 7637 | 799 | 2792 | 464 |
| 62-SS-C | 950 | -26 | -1 | -125 | | | |
| 63-GS-C | 970 | 1120 | 370 | -3931 | 3 | -1 | 0 |
| 64-SS-C | 980 | -12 | -902 | 0 | | | |
| 65-SS-C | 1015 | 0 | 0 | 0 | | | |
| 66-SS-C | 1040 | 6 | -297 | 0 | | | |
| 67-GS-C | 1050 | -1535 | 735 | -5675 | 0 | 0 | 0 |
| 68-FP-C | 1055 | 17792 | -182 | 5047 | -272 | -2410 | -1619 |
| 70-SS-C | 1100 | 0 | 0 | 0 | | | |
| 71-SS-C | 1102 | 0 | 0 | 0 | | | |
| 72-SS-C | 1105 | 0 | 0 | 0 | | | |
| 73-SS-C | 1110 | 0 | 0 | 0 | | | |
| 74-SS-C | 1130 | 0 | -2 | 0 | | | |
| 76-SS-C | 1170 | 0 | -4 | 1 | | | |
| 77-GS-C | 1180 | -11895 | 25 | -325 | -71 | 12488 | 226 |
| 78-SS-C | 1190 | 15 | -20 | -16 | | | |
| 79-SS-C | 1220 | 0 | 0 | 0 | | | |
| 80-SS-C | 1250 | 0 | -90 | 0 | | | |
| 81-GS-C | 1260 | -457 | 45 | 1527 | 11 | -1 | 0 |
| 82-SS-C | 1270 | 0 | 0 | 0 | | | |
| 83-SS-C | 1280 | 0 | 0 | 0 | | | |
| 84-SS-C | 1290 | 0 | 39 | 0 | | | |

| | | | | | | | |
|----------|------|--------|---------|-------|-------|-------|-------|
| 87-SS-C | 1310 | 15660 | -106495 | -3575 | | | |
| 88-SS-C | 1320 | 16739 | -104368 | 666 | | | |
| 90-FP-C | 1360 | 20412 | -167191 | 649 | -2498 | 337 | -3887 |
| 92-GS-C | 1400 | -11901 | -159079 | -114 | 0 | 0 | 0 |
| 93-SS-C | 1410 | -8924 | -119289 | 11 | | | |
| 94-GS-C | 1420 | -5758 | -130565 | -13 | 0 | 0 | 0 |
| 95-SS-C | 1430 | 2149 | -130317 | 42 | | | |
| 96-GS-C | 1440 | 4832 | -119755 | -177 | 0 | 0 | -1 |
| 97-SS-C | 1450 | 1881 | -125922 | 570 | | | |
| 98-SS-C | 1480 | 3271 | -104492 | -342 | | | |
| 99-SS-C | 1510 | 1339 | -118994 | -116 | | | |
| 100-GS-C | 1520 | -1245 | -104796 | 39 | 0 | 1 | 0 |
| 101-SS-C | 1530 | -161 | -114437 | -8 | | | |
| 102-FP-C | 1540 | -599 | -88358 | 3 | -1191 | -2 | -95 |
| 103-SS-C | 1560 | -835 | -4078 | -3 | | | |
| 104-SS-C | 1570 | -1461 | -108007 | 6 | | | |
| 105-GS-C | 1580 | -235 | -147363 | -13 | 0 | 1 | 0 |
| 108-SS-C | 1590 | 563 | -178473 | 32 | | | |
| 110-GS-C | 1630 | -2004 | -144498 | -145 | 281 | -10 | 1 |
| 111-SS-C | 1670 | 668 | -122392 | 524 | | | |
| 114-SS-C | 1700 | -14189 | -123886 | 4362 | | | |
| 115-SS-C | 1705 | -13766 | -71935 | -100 | | | |
| 116-GS-C | 1710 | -8281 | -117751 | -533 | 12 | 43 | 0 |
| 117-SS-C | 1740 | -8977 | -101891 | -43 | | | |
| 118-GS-C | 1770 | -4062 | -122984 | 590 | -118 | 49 | -12 |
| 119-SS-C | 1780 | -19898 | -103709 | -212 | | | |
| 120-SS-C | 1790 | -14855 | -116783 | -498 | | | |
| 121-SS-C | 1800 | -7350 | -136637 | 1554 | | | |
| 123-SS-C | 1820 | -9086 | -100461 | 1226 | | | |
| 124-GS-C | 1830 | -1037 | -127062 | -476 | -2126 | 111 | 119 |
| 126-FP-C | 1870 | -7386 | -180341 | 71 | 6548 | 48 | 629 |
| 128-SS-C | 1910 | -2554 | -148045 | -85 | | | |
| 129-GS-C | 1920 | -4549 | -128171 | 392 | -4 | 30 | 0 |
| 131-SS-C | 1940 | -28983 | -116778 | 3861 | | | |
| 132-SS-C | 1950 | -13446 | -134243 | 1405 | | | |
| 133-SS-C | 1980 | -762 | -100102 | -1106 | | | |
| 134-SS-C | 2010 | -9913 | -129571 | -453 | | | |
| 136-FP-C | 2030 | 16203 | -109727 | 2389 | -1378 | -294 | 704 |
| 137-SS-C | 2070 | -12707 | -128043 | -1585 | | | |
| 138-SS-C | 2075 | -9516 | -40873 | 871 | | | |
| 139-SS-C | 2080 | 0 | -38609 | -346 | | | |
| 140-SS-C | 2085 | 10961 | -120931 | 1681 | | | |
| 142-SS-C | 2130 | -7065 | -90569 | 9078 | | | |
| 143-SS-C | 2140 | -12049 | -77096 | 4546 | | | |
| 145-FP-C | 2160 | -57 | -94776 | -3002 | -84 | 1 | -2603 |
| 1-FP-B | 3000 | -1429 | -29777 | 110 | -1718 | -8 | -4301 |
| 1/1-SS-B | 3018 | -1588 | -92115 | 2707 | | | |
| 2-GS-B | 3030 | -5679 | -61965 | 1057 | 0 | 0 | 0 |
| 3-GS-B | 3050 | -855 | -62745 | -249 | 1 | 16 | 0 |
| 4-SS-B | 3080 | 190 | -65916 | 316 | | | |
| 5-GS-B | 3105 | -2038 | -67681 | -332 | -1 | 31 | 0 |
| 6-GS-B | 3130 | -1539 | -76434 | 294 | 0 | 0 | 0 |
| 7-SS-B | 3140 | 6427 | -89958 | -1549 | | | |
| 9-FP-B | 3160 | -1065 | -91245 | -402 | -1945 | -292 | 4684 |
| 10-SS-B | 3170 | 689 | -71699 | 173 | | | |
| 11-GS-B | 3180 | 226 | -81367 | -160 | 0 | 0 | 0 |
| 12-SS-B | 3190 | 4645 | -68156 | 549 | | | |
| 13-SS-B | 3230 | 4175 | -66422 | -235 | | | |
| 14-SS-B | 3260 | 1433 | -65877 | -297 | | | |
| 16-SS-B | 3290 | 10324 | -75534 | 1130 | | | |
| 17-SS-B | 3300 | 10694 | -76681 | -2911 | | | |
| 19-FP-B | 3330 | -10855 | -76816 | -3992 | 3592 | -1068 | 1346 |
| 20-GS-B | 3340 | -14790 | -77822 | 1241 | 64 | -7 | -5 |
| 21-SS-B | 3350 | -6437 | -70563 | -1191 | | | |
| 23-SS-B | 3390 | 328 | -70429 | 1677 | | | |
| 24-SS-B | 3420 | -8267 | -76556 | -901 | | | |
| 25-GS-B | 3440 | -5804 | -78859 | -56 | 0 | 0 | 0 |
| 26-SS-B | 3450 | -14548 | -71464 | 168 | | | |
| 27-SS-B | 3460 | -3326 | -91970 | -351 | | | |
| 29-SS-B | 3480 | -79 | -90197 | 220 | | | |
| 30-FP-B | 3490 | -4710 | -73047 | -154 | 1240 | 33 | -1914 |
| 31-SS-B | 3500 | -34696 | -64261 | 87 | | | |
| 32-SS-B | 3510 | -4664 | -61649 | 193 | | | |
| 33-SS-B | 3520 | 0 | -56330 | -875 | | | |
| 34-SS-B | 3522 | 0 | -40284 | 3520 | | | |
| 35-SS-B | 3524 | 4951 | -83042 | -6107 | | | |
| 37-SS-B | 3550 | 2906 | -79509 | 7718 | | | |

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|----------|------|--------|-------|--------|------|-------|-------|
| 87-SS-C | 1310 | -2 | -155 | 0 | | | |
| 88-SS-C | 1320 | 0 | 0 | 0 | | | |
| 90-FP-C | 1360 | -30670 | -1247 | 9530 | 812 | 8232 | -185 |
| 92-GS-C | 1400 | 1409 | -281 | -4584 | 0 | 0 | 0 |
| 93-SS-C | 1410 | 0 | 0 | 0 | | | |
| 94-GS-C | 1420 | 1013 | 54 | 3380 | 0 | 0 | 0 |
| 95-SS-C | 1430 | 0 | 0 | 0 | | | |
| 96-GS-C | 1440 | 670 | 33 | -2236 | 9 | 1 | 0 |
| 97-SS-C | 1450 | 51 | -319 | -32 | | | |
| 98-SS-C | 1480 | 14 | -181 | -54 | | | |
| 99-SS-C | 1510 | -10 | 832 | -14 | | | |
| 100-GS-C | 1520 | -1844 | -353 | -6031 | -33 | 0 | 0 |
| 101-SS-C | 1530 | -78 | -757 | 21 | | | |
| 102-FP-C | 1540 | -11082 | 61 | 4932 | -112 | 2351 | -10 |
| 103-SS-C | 1560 | 0 | -4 | 0 | | | |
| 104-SS-C | 1570 | 0 | -1 | 0 | | | |
| 105-GS-C | 1580 | 573 | -37 | 1909 | 7 | 1 | 0 |
| 108-SS-C | 1590 | 78 | 5 | 179 | | | |
| 110-GS-C | 1630 | 3657 | -306 | -12086 | 768 | -18 | 0 |
| 111-SS-C | 1670 | 46 | -1192 | -77 | | | |
| 114-SS-C | 1700 | -59 | -1114 | -61 | | | |
| 115-SS-C | 1705 | 0 | -83 | 0 | | | |
| 116-GS-C | 1710 | 6413 | 12 | -21379 | 673 | 1 | 0 |
| 117-SS-C | 1740 | 0 | 0 | 0 | | | |
| 118-GS-C | 1770 | -3121 | 183 | 10448 | -38 | -2 | 2 |
| 119-SS-C | 1780 | 0 | 18 | 0 | | | |
| 120-SS-C | 1790 | 0 | -19 | 0 | | | |
| 121-SS-C | 1800 | -1 | -633 | -21 | | | |
| 123-SS-C | 1820 | 0 | -1 | 0 | | | |
| 124-GS-C | 1830 | -5106 | 1319 | 18179 | 99 | -5 | -76 |
| 126-FP-C | 1870 | 20852 | -136 | -5584 | 465 | -3171 | -371 |
| 128-SS-C | 1910 | 13 | -346 | 14 | | | |
| 129-GS-C | 1920 | 2117 | -352 | -7036 | 281 | -2 | 0 |
| 131-SS-C | 1940 | 0 | 0 | 0 | | | |
| 132-SS-C | 1950 | -15 | -366 | 0 | | | |
| 133-SS-C | 1980 | 0 | 0 | 1 | | | |
| 134-SS-C | 2010 | -60 | 252 | -32 | | | |
| 136-FP-C | 2030 | 4918 | 1504 | 7398 | 4216 | -1355 | 3739 |
| 137-SS-C | 2070 | -2 | 0 | 4 | | | |
| 138-SS-C | 2075 | 2 | 0 | -4 | | | |
| 139-SS-C | 2080 | 0 | 0 | 0 | | | |
| 140-SS-C | 2085 | 0 | 0 | 0 | | | |
| 142-SS-C | 2130 | 0 | 0 | 0 | | | |
| 143-SS-C | 2140 | 0 | 0 | 0 | | | |
| 145-FP-C | 2160 | 4798 | 2351 | 1791 | 268 | -7489 | -271 |
| 1-FP-B | 3000 | 35016 | -672 | 2724 | 417 | -493 | -2325 |
| 1/1-SS-B | 3018 | 0 | 0 | 0 | | | |
| 2-GS-B | 3030 | 2281 | 471 | 7771 | -1 | 0 | 0 |
| 3-GS-B | 3050 | 2260 | 311 | -7575 | 248 | 0 | 0 |
| 4-SS-B | 3080 | 1 | 0 | 37 | | | |
| 5-GS-B | 3105 | -3102 | -350 | -10280 | -909 | 6 | 0 |
| 6-GS-B | 3130 | -4299 | 55 | 14324 | 0 | 0 | 0 |
| 7-SS-B | 3140 | 4 | -642 | 0 | | | |
| 9-FP-B | 3160 | 13640 | 49 | 6307 | 1014 | 4738 | 236 |
| 10-SS-B | 3170 | 0 | 0 | 0 | | | |
| 11-GS-B | 3180 | 491 | 41 | 1643 | 0 | 0 | 0 |
| 12-SS-B | 3190 | 3 | 293 | 0 | | | |
| 13-SS-B | 3230 | 0 | 0 | 0 | | | |
| 14-SS-B | 3260 | -3 | -294 | 0 | | | |
| 16-SS-B | 3290 | 0 | 1 | 0 | | | |
| 17-SS-B | 3300 | 31 | -1573 | 155 | | | |
| 19-FP-B | 3330 | -5389 | -1435 | 22545 | 5224 | 10444 | 2163 |
| 20-GS-B | 3340 | 2240 | 553 | -7708 | 1 | 0 | -2 |
| 21-SS-B | 3350 | 48 | -2353 | 0 | | | |
| 23-SS-B | 3390 | 0 | 0 | 0 | | | |
| 24-SS-B | 3420 | -36 | 235 | 5 | | | |
| 25-GS-B | 3440 | -3165 | -504 | 10220 | 0 | 0 | 0 |
| 26-SS-B | 3450 | -2 | -14 | 2 | | | |
| 27-SS-B | 3460 | -4 | -1 | -22 | | | |
| 29-SS-B | 3480 | 0 | 29 | 0 | | | |
| 30-FP-B | 3490 | 25501 | 129 | 6551 | 776 | 32428 | -985 |
| 31-SS-B | 3500 | 1 | 3 | 0 | | | |
| 32-SS-B | 3510 | 1 | 0 | 0 | | | |
| 33-SS-B | 3520 | 0 | 0 | 0 | | | |
| 34-SS-B | 3522 | 0 | 0 | 0 | | | |
| 35-SS-B | 3524 | 0 | 0 | 0 | | | |
| 37-SS-B | 3550 | -1 | -9 | -2 | | | |

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|----------|------|--------|---------|-------|-------|-------|-------|
| 38-SS-B | 3560 | -478 | -72614 | -3444 | | | |
| 39-FP-B | 3570 | -442 | -82330 | 401 | -4 | 408 | -1089 |
| 40-SS-B | 3580 | 1122 | -49301 | 3215 | | | |
| 41-SS-B | 3590 | -43 | -82769 | -8272 | | | |
| 43-GS-B | 3615 | -6179 | -89634 | 849 | 72 | -173 | 0 |
| 44-SS-B | 3620 | -1353 | -65644 | -811 | | | |
| 45-SS-B | 3660 | -4735 | -68287 | -767 | | | |
| 46-SS-B | 3690 | -4307 | -67625 | 1233 | | | |
| 47-SS-B | 3700 | -3223 | -74979 | -271 | | | |
| 48-FP-B | 3705 | -5227 | -70009 | 7 | -5014 | 35 | 14 |
| 49-SS-B | 3720 | -4768 | -74908 | 200 | | | |
| 50-SS-B | 3730 | -4892 | -73544 | -708 | | | |
| 51-SS-B | 3760 | -5325 | -54869 | 116 | | | |
| 52-SS-B | 3790 | 581 | -76801 | 496 | | | |
| 53-SS-B | 3800 | -17051 | -52143 | 589 | | | |
| 54-SS-B | 3810 | 1076 | -73750 | -2621 | | | |
| 56-SS-B | 3840 | 2629 | -84087 | -628 | | | |
| 57-GS-B | 3850 | 1339 | -68962 | 247 | 0 | 0 | 0 |
| 58-SS-B | 3860 | 206 | -90330 | -29 | | | |
| 60-SS-B | 3930 | 221 | -97155 | -139 | | | |
| 61-FP-B | 3940 | 565 | -69490 | 59 | -254 | 15 | -3326 |
| 62-SS-B | 3950 | 207 | -67355 | -25 | | | |
| 63-GS-B | 3970 | 1537 | -50876 | 30 | 0 | 0 | 0 |
| 64-SS-B | 3980 | 2452 | -72894 | -102 | | | |
| 65-SS-B | 4010 | 5280 | -78256 | 292 | | | |
| 66-SS-B | 4040 | 815 | -73895 | 13 | | | |
| 67-GS-B | 4050 | 6501 | -38632 | -2485 | 0 | 0 | 0 |
| 68-FP-B | 4055 | 4786 | -88555 | 5163 | -2556 | -1563 | -9043 |
| 70-SS-B | 4100 | -20 | -66947 | -6695 | | | |
| 71-SS-B | 4105 | -1370 | -20298 | 1498 | | | |
| 72-SS-B | 4110 | -7 | -16791 | 1679 | | | |
| 73-SS-B | 4115 | 19482 | -111809 | -1332 | | | |
| 74-SS-B | 4150 | -17362 | -78770 | 3848 | | | |
| 76-SS-B | 4170 | 7232 | -75928 | 51 | | | |
| 77-GS-B | 4180 | 4733 | -68874 | -142 | -2321 | 33 | 2367 |
| 78-SS-B | 4190 | 5151 | -70406 | 258 | | | |
| 79-SS-B | 4220 | 4783 | -79043 | -51 | | | |
| 80-SS-B | 4250 | 4025 | -70605 | -191 | | | |
| 81-GS-B | 4260 | 6789 | -68345 | 123 | 0 | -2 | 0 |
| 82-SS-B | 4270 | 3143 | -79368 | -26 | | | |
| 83-FP-B | 4280 | 4920 | -73377 | -11 | -4759 | 8 | 671 |
| 84-GS-B | 4290 | 3791 | -87541 | 52 | 0 | 5 | 0 |
| 87-SS-B | 4310 | 534 | -70625 | 40 | | | |
| 88-SS-B | 4320 | 8318 | -51803 | -99 | | | |
| 89-SS-B | 4330 | 2044 | -63327 | 557 | | | |
| 90-SS-B | 4360 | 3503 | -59251 | -533 | | | |
| 91-SS-B | 4390 | 3806 | -74329 | 136 | | | |
| 92-GS-B | 4400 | 1057 | -84489 | 0 | 0 | 0 | 0 |
| 93-SS-B | 4410 | 2335 | -81264 | 1 | | | |
| 94-FP-B | 4420 | 2048 | -81866 | -5 | -3896 | 1 | 115 |
| 95-GS-B | 4430 | 1715 | -82623 | 17 | 0 | 0 | 0 |
| 96-SS-B | 4440 | 1885 | -78841 | -70 | | | |
| 97-SS-B | 4450 | 2198 | -74408 | 210 | | | |
| 98-SS-B | 4480 | 1755 | -78786 | -268 | | | |
| 99-SS-B | 4510 | 763 | -69096 | 148 | | | |
| 100-GS-B | 4520 | -405 | -69975 | -41 | 0 | 0 | 0 |
| 101-SS-B | 4530 | -230 | -72273 | 11 | | | |
| 102-FP-B | 4540 | -375 | -56468 | -4 | -3283 | -2 | -222 |
| 103-SS-B | 4560 | -609 | -64282 | 5 | | | |
| 104-SS-B | 4580 | -327 | -73504 | -17 | | | |
| 105-GS-B | 4590 | -177 | -79384 | 60 | 126 | -1 | -2 |
| 106-SS-B | 4600 | -595 | -71217 | -348 | | | |
| 107-SS-B | 4630 | -2573 | -58124 | 57 | | | |
| 109-SS-B | 4660 | -2596 | -72321 | 333 | | | |
| 110-GS-B | 4670 | 1606 | -76712 | -193 | 0 | 0 | 0 |
| 111-FP-B | 4680 | -1397 | -83606 | 384 | -2262 | -117 | -2312 |
| 114-SS-B | 4700 | -7177 | -80383 | 2696 | | | |
| 115-SS-B | 4705 | -9274 | -48497 | -132 | | | |
| 116-GS-B | 4710 | -5957 | -67356 | -267 | 10 | 46 | 0 |
| 117-SS-B | 4740 | -6734 | -78086 | -12 | | | |
| 118-GS-B | 4770 | -5916 | -70883 | 306 | -49 | 37 | -4 |
| 119-SS-B | 4780 | -8916 | -69079 | -115 | | | |
| 120-FP-B | 4790 | -6885 | -75650 | -221 | 1550 | 87 | 1373 |
| 121-SS-B | 4800 | -7850 | -83424 | 974 | | | |
| 123-SS-B | 4820 | 370 | -67664 | 837 | | | |
| 124-GS-B | 4830 | -5802 | -64572 | -192 | 0 | 1 | 0 |
| 125-SS-B | 4840 | -1683 | -75115 | -298 | | | |

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|----------|------|--------|-------|-------|-------|--------|-------|
| 38-SS-B | 3560 | 0 | 0 | 0 | | | |
| 39-FP-B | 3570 | -9129 | 47 | 2738 | -1373 | -15427 | -72 |
| 40-SS-B | 3580 | 42 | -915 | 75 | | | |
| 41-SS-B | 3590 | -6 | 55 | 0 | | | |
| 43-GS-B | 3615 | -2181 | 776 | 7813 | 162 | 39 | 0 |
| 44-SS-B | 3620 | 0 | 51 | 1 | | | |
| 45-SS-B | 3660 | -44 | -443 | -121 | | | |
| 46-SS-B | 3690 | -10 | 455 | -2 | | | |
| 47-SS-B | 3700 | -51 | -333 | -19 | | | |
| 48-FP-B | 3705 | 4688 | 345 | -2326 | -630 | 2012 | -295 |
| 49-SS-B | 3720 | -26 | 2 | 74 | | | |
| 50-SS-B | 3730 | 0 | -44 | -2 | | | |
| 51-SS-B | 3760 | -1 | 0 | 0 | | | |
| 52-SS-B | 3790 | 1 | 44 | -2 | | | |
| 53-SS-B | 3800 | 0 | 0 | 2 | | | |
| 54-SS-B | 3810 | 1 | 29 | -2 | | | |
| 56-SS-B | 3840 | 0 | 0 | 0 | | | |
| 57-GS-B | 3850 | -831 | 262 | -2905 | 0 | 0 | 0 |
| 58-SS-B | 3860 | 1 | 1 | -14 | | | |
| 60-SS-B | 3930 | -45 | -708 | 50 | | | |
| 61-FP-B | 3940 | -20176 | 1051 | 7015 | 1005 | 4103 | 1154 |
| 62-SS-B | 3950 | -25 | -1 | -147 | | | |
| 63-GS-B | 3970 | 860 | 312 | -3048 | 3 | 0 | 0 |
| 64-SS-B | 3980 | -2 | -1385 | 0 | | | |
| 65-SS-B | 4010 | 0 | 0 | 0 | | | |
| 66-SS-B | 4040 | 2 | -50 | 0 | | | |
| 67-GS-B | 4050 | -2620 | 999 | -9346 | 0 | 0 | 0 |
| 68-FP-B | 4055 | 21871 | -146 | 6862 | -3112 | 1544 | -2608 |
| 70-SS-B | 4100 | 0 | 0 | 0 | | | |
| 71-SS-B | 4105 | 0 | 0 | 0 | | | |
| 72-SS-B | 4110 | 0 | 0 | 0 | | | |
| 73-SS-B | 4115 | 0 | 0 | 0 | | | |
| 74-SS-B | 4150 | -2 | -24 | 0 | | | |
| 76-SS-B | 4170 | -1 | -5 | 1 | | | |
| 77-GS-B | 4180 | -15954 | -37 | 2143 | 87 | 23353 | 597 |
| 78-SS-B | 4190 | 23 | -279 | -23 | | | |
| 79-SS-B | 4220 | 0 | 0 | 0 | | | |
| 80-SS-B | 4250 | -1 | 112 | 0 | | | |
| 81-GS-B | 4260 | -1044 | 29 | -3479 | 84 | 1 | 0 |
| 82-SS-B | 4270 | 0 | 0 | 0 | | | |
| 83-FP-B | 4280 | -8170 | -49 | -999 | -541 | 1362 | 367 |
| 84-GS-B | 4290 | 4359 | 404 | 14583 | -107 | 1 | 0 |
| 87-SS-B | 4310 | -3 | -239 | 0 | | | |
| 88-SS-B | 4320 | 0 | 0 | 0 | | | |
| 89-SS-B | 4330 | 114 | -696 | -29 | | | |
| 90-SS-B | 4360 | -5 | -82 | -22 | | | |
| 91-SS-B | 4390 | -7 | 795 | -1 | | | |
| 92-GS-B | 4400 | -73 | -70 | -228 | 0 | 0 | 0 |
| 93-SS-B | 4410 | -11 | -145 | 1 | | | |
| 94-FP-B | 4420 | -2417 | 96 | 4031 | -530 | -1714 | 256 |
| 95-GS-B | 4430 | 0 | 0 | 0 | 0 | 0 | 0 |
| 96-SS-B | 4440 | 608 | 25 | -2026 | | | |
| 97-SS-B | 4450 | 24 | -257 | -18 | | | |
| 98-SS-B | 4480 | 10 | -229 | -69 | | | |
| 99-SS-B | 4510 | -12 | 656 | -11 | | | |
| 100-GS-B | 4520 | -1376 | -267 | -4497 | -20 | 0 | 0 |
| 101-SS-B | 4530 | 0 | 5 | 0 | | | |
| 102-FP-B | 4540 | 340 | 32 | 6279 | -742 | 836 | -56 |
| 103-SS-B | 4560 | 0 | -3 | 0 | | | |
| 104-SS-B | 4580 | 5 | -52 | 1 | | | |
| 105-GS-B | 4590 | 606 | -71 | -2032 | -1 | 0 | -1 |
| 106-SS-B | 4600 | -1 | 160 | 0 | | | |
| 107-SS-B | 4630 | 0 | -81 | -25 | | | |
| 109-SS-B | 4660 | -52 | -533 | -54 | | | |
| 110-GS-B | 4670 | -468 | 33 | -1563 | 0 | 0 | 0 |
| 111-FP-B | 4680 | 633 | -516 | -7575 | 312 | 8766 | -812 |
| 114-SS-B | 4700 | -68 | -1068 | -88 | | | |
| 115-SS-B | 4705 | 0 | -66 | 0 | | | |
| 116-GS-B | 4710 | 2312 | 296 | -7714 | 686 | -2 | 0 |
| 117-SS-B | 4740 | 0 | 0 | 0 | | | |
| 118-GS-B | 4770 | -1452 | -327 | -4622 | -432 | 2 | 5 |
| 119-SS-B | 4780 | -120 | -613 | 4 | | | |
| 120-FP-B | 4790 | 6089 | 1189 | 12697 | 357 | -7423 | 96 |
| 121-SS-B | 4800 | -10 | -301 | -14 | | | |
| 123-SS-B | 4820 | 0 | 0 | 0 | | | |
| 124-GS-B | 4830 | 654 | 131 | 2222 | 1 | 0 | 0 |
| 125-SS-B | 4840 | 1 | -197 | 0 | | | |

| | | | | | | | |
|----------|-------|--------|---------|--------|-------|-------|--------|
| 126-SS-B | 4870 | -3722 | -57163 | -140 | | | |
| 127-SS-B | 4900 | -4686 | -71825 | 506 | | | |
| 128-SS-B | 4910 | 677 | -80100 | -186 | | | |
| 129-FP-B | 4920 | -3147 | -86344 | 250 | -78 | -67 | -1139 |
| 131-SS-B | 4940 | -15741 | -78447 | 2936 | | | |
| 132-SS-B | 4950 | -11283 | -78635 | 390 | | | |
| 133-SS-B | 4980 | -811 | -76655 | -631 | | | |
| 134-SS-B | 5010 | -7739 | -74514 | 182 | | | |
| 136-FP-B | 5030 | 9798 | -65544 | 3158 | -3320 | -538 | -669 |
| 137-SS-B | 5070 | -8804 | -89817 | -1788 | | | |
| 138-SS-B | 5075 | -4074 | -21795 | 925 | | | |
| 139-SS-B | 5080 | 0 | -20909 | 530 | | | |
| 140-SS-B | 5085 | 6604 | -84617 | -214 | | | |
| 142-SS-B | 5130 | -4943 | -65494 | 6568 | | | |
| 143-SS-B | 5140 | -7044 | -42558 | 1859 | | | |
| 145-FP-B | 5160 | 235 | -62005 | -841 | -2360 | -148 | -4743 |
| 1-FP-A | 9000 | -1771 | -43662 | -4697 | -3412 | -1164 | -6211 |
| 1/1-SS-A | 9018 | 4248 | -113318 | 8245 | | | |
| 2-GS-A | 9030 | -1372 | -80341 | -15769 | -11 | -1 | 0 |
| 3-GS-A | 9050 | -1026 | -55090 | 5510 | -22 | 9 | 0 |
| 4-SS-A | 9080 | -540 | -74992 | -4222 | | | |
| 5-GS-A | 9105 | -1862 | -61622 | 2130 | 17 | 33 | 0 |
| 6-GS-A | 9130 | -748 | -79488 | -259 | 0 | 0 | 0 |
| 7-SS-A | 9140 | -1849 | -87245 | 301 | | | |
| 9-FP-A | 9160 | 740 | -8498 | -57 | -3008 | -157 | 3915 |
| 10-SS-A | 9170 | 6453 | -71738 | 69 | | | |
| 11-GS-A | 9180 | -1189 | -83521 | -89 | 0 | 0 | 0 |
| 12-SS-A | 9190 | 6161 | -62452 | 198 | | | |
| 13-SS-A | 9230 | 3665 | -74542 | 82 | | | |
| 14-SS-A | 9260 | 2128 | -58331 | -334 | | | |
| 16-SS-A | 9290 | 9107 | -76761 | 876 | | | |
| 17-SS-A | 9300 | 10615 | -75171 | -2513 | | | |
| 19-FP-A | 9330 | -10855 | -76816 | -3992 | 3592 | -1068 | 1346 |
| 20-GS-A | 9340 | -14790 | -77822 | 1241 | 64 | -7 | -5 |
| 21-SS-A | 9350 | -6437 | -70563 | -1191 | | | |
| 23-SS-A | 9390 | 328 | -70429 | 1677 | | | |
| 24-SS-A | 9420 | -8267 | -76556 | -901 | | | |
| 25-GS-A | 9440 | -5804 | -78859 | -56 | 0 | 0 | 0 |
| 26-SS-A | 9450 | -14548 | -71464 | 168 | | | |
| 27-SS-A | 9460 | -3326 | -91970 | -351 | | | |
| 29-SS-A | 9480 | -79 | -90197 | 220 | | | |
| 30-FP-A | 9490 | -4710 | -73047 | -154 | 1240 | 33 | -1914 |
| 31-SS-A | 9500 | -34696 | -64261 | 87 | | | |
| 32-SS-A | 9510 | -4664 | -61649 | 193 | | | |
| 33-SS-A | 9515 | 0 | -58835 | -1254 | | | |
| 34-SS-A | 9520 | 0 | -28437 | 6052 | | | |
| 35-SS-A | 9522 | 6225 | -102669 | -9640 | | | |
| 37-SS-A | 9550 | 4710 | -90252 | 10560 | | | |
| 38-SS-A | 9560 | -926 | -67922 | -5467 | | | |
| 39-FP-A | 9570 | -441 | -82841 | 1047 | -2993 | 519 | -550 |
| 40-SS-A | 9580 | 1082 | -53881 | 2391 | | | |
| 41-SS-A | 9590 | -208 | -72712 | -7265 | | | |
| 43-GS-A | 9615 | -5702 | -87763 | 465 | 50 | -146 | 0 |
| 44-SS-A | 9620 | -1694 | -60539 | -228 | | | |
| 45-SS-A | 9660 | -5052 | -76234 | -1032 | | | |
| 46-SS-A | 9690 | -3627 | -61420 | 1063 | | | |
| 47-SS-A | 9700 | 2305 | -78017 | -221 | | | |
| 48-FP-A | 9710 | -2627 | -67658 | 19 | -7739 | 117 | 344 |
| 49-SS-A | 9720 | -27838 | -80293 | 129 | | | |
| 50-SS-A | 9730 | 8515 | -61527 | -349 | | | |
| 51-SS-A | 9770 | -4127 | -71393 | 202 | | | |
| 52-SS-A | 9795 | -2855 | -64863 | 34 | | | |
| 53-SS-A | 9800 | -16095 | -53213 | 850 | | | |
| 54-SS-A | 9810 | 3062 | -79939 | -2805 | | | |
| 56-SS-A | 9840 | 2591 | -86753 | -702 | | | |
| 57-GS-A | 9850 | 1315 | -69246 | 305 | 308 | 2 | 65 |
| 58-SS-A | 9910 | 257 | -87168 | -45 | | | |
| 60-SS-A | 9930 | 296 | -90987 | -106 | | | |
| 61-FP-A | 9940 | 540 | -72947 | 47 | -2951 | 9 | -2495 |
| 62-SS-A | 9950 | 403 | -65212 | -47 | | | |
| 63-GS-A | 9970 | 966 | -55558 | 123 | 0 | 0 | 0 |
| 64-SS-A | 9980 | 3271 | -64518 | -367 | | | |
| 65-SS-A | 10010 | 4797 | -88101 | 508 | | | |
| 66-SS-A | 10040 | 3344 | -66308 | 125 | | | |
| 67-GS-A | 10050 | 4185 | -38085 | -3627 | 0 | 0 | 0 |
| 68-FP-A | 10055 | 7001 | -95523 | 7167 | -3496 | -2195 | -12184 |
| 70-SS-A | 10100 | -92 | -77468 | -7746 | | | |

| | | | | | | | |
|----------|-------|--------|-------|--------|-------|--------|-------|
| 126-SS-B | 4870 | 0 | 0 | 0 | | | |
| 127-SS-B | 4900 | -1 | 196 | 0 | | | |
| 128-SS-B | 4910 | 0 | 0 | 0 | | | |
| 129-FP-B | 4920 | 11541 | -430 | -5942 | 353 | 5121 | -572 |
| 131-SS-B | 4940 | 0 | 0 | 0 | | | |
| 132-SS-B | 4950 | -12 | -269 | 0 | | | |
| 133-SS-B | 4980 | 0 | 0 | 0 | | | |
| 134-SS-B | 5010 | -94 | -199 | -54 | | | |
| 136-FP-B | 5030 | 2803 | 1631 | 6556 | 4372 | -130 | 6622 |
| 137-SS-B | 5070 | -1 | 0 | 5 | | | |
| 138-SS-B | 5075 | 1 | 0 | -5 | | | |
| 139-SS-B | 5080 | 0 | 0 | 0 | | | |
| 140-SS-B | 5085 | 0 | 0 | 0 | | | |
| 142-SS-B | 5130 | 1 | 0 | 0 | | | |
| 143-SS-B | 5140 | -1 | 0 | 0 | | | |
| 145-FP-B | 5160 | 4766 | 521 | 1654 | 865 | -16632 | -377 |
| 1-FP-A | 9000 | -65473 | -881 | -6060 | -3422 | -547 | 2177 |
| 1/1-SS-A | 9018 | 0 | 0 | 0 | | | |
| 2-GS-A | 9030 | 3381 | 694 | 10513 | 1 | 0 | 0 |
| 3-GS-A | 9050 | 2864 | 389 | -9603 | 262 | -5 | 0 |
| 4-SS-A | 9080 | 0 | 0 | 36 | -1 | 0 | -2 |
| 5-GS-A | 9105 | -3097 | -332 | -10267 | -931 | 6 | 0 |
| 6-GS-A | 9130 | -4290 | -94 | 14239 | 0 | 0 | 0 |
| 7-SS-A | 9140 | -4 | -27 | 2 | | | |
| 9-FP-A | 9160 | 13476 | 175 | 6532 | 882 | 4267 | 136 |
| 10-SS-A | 9170 | 0 | 0 | 0 | | | |
| 11-GS-A | 9180 | 394 | 34 | 1318 | 0 | 0 | 0 |
| 12-SS-A | 9190 | 0 | -9 | 0 | | | |
| 13-SS-A | 9230 | 0 | 0 | 0 | | | |
| 14-SS-A | 9260 | 0 | -37 | 0 | | | |
| 16-SS-A | 9290 | 0 | 39 | 0 | | | |
| 17-SS-A | 9300 | 27 | -1586 | 155 | | | |
| 19-FP-A | 9330 | -5389 | -1435 | 22545 | 5224 | 10444 | 2163 |
| 20-GS-A | 9340 | 2240 | 553 | -7708 | 1 | 0 | -2 |
| 21-SS-A | 9350 | 48 | -2353 | 0 | | | |
| 23-SS-A | 9390 | 0 | 0 | 0 | | | |
| 24-SS-A | 9420 | -36 | 235 | 5 | | | |
| 25-GS-A | 9440 | -3165 | -504 | 10220 | 0 | 0 | 0 |
| 26-SS-A | 9450 | -2 | -14 | 2 | | | |
| 27-SS-A | 9460 | -4 | -1 | -22 | | | |
| 29-SS-A | 9480 | 0 | 29 | 0 | | | |
| 30-FP-A | 9490 | 25501 | 129 | 6551 | 776 | 32428 | -985 |
| 31-SS-A | 9500 | 1 | 3 | 0 | | | |
| 32-SS-A | 9510 | 1 | 0 | 0 | | | |
| 33-SS-A | 9515 | 0 | 0 | 0 | | | |
| 34-SS-A | 9520 | 0 | 0 | 0 | | | |
| 35-SS-A | 9522 | 0 | 0 | 0 | | | |
| 37-SS-A | 9550 | -2 | -14 | -4 | | | |
| 38-SS-A | 9560 | 0 | 0 | 0 | | | |
| 39-FP-A | 9570 | -9634 | 127 | 2661 | -1429 | -14714 | -36 |
| 40-SS-A | 9580 | 50 | -1140 | 98 | | | |
| 41-SS-A | 9590 | 0 | 0 | 0 | | | |
| 43-GS-A | 9615 | -2207 | 1023 | 8230 | 137 | 42 | 0 |
| 44-SS-A | 9620 | 2 | 105 | 2 | | | |
| 45-SS-A | 9660 | -34 | -491 | -37 | | | |
| 46-SS-A | 9690 | -16 | 350 | -7 | | | |
| 47-SS-A | 9700 | -40 | -264 | -16 | | | |
| 48-FP-A | 9710 | 4921 | 342 | -2248 | -423 | 1521 | -219 |
| 49-SS-A | 9720 | 0 | 0 | 0 | | | |
| 50-SS-A | 9730 | 3 | 74 | 0 | | | |
| 51-SS-A | 9770 | 0 | 0 | 0 | | | |
| 52-SS-A | 9795 | -3 | -74 | 0 | | | |
| 53-SS-A | 9800 | 0 | 0 | 0 | | | |
| 54-SS-A | 9810 | 0 | -5 | 0 | | | |
| 56-SS-A | 9840 | 0 | 0 | 0 | | | |
| 57-GS-A | 9850 | -843 | 253 | -2953 | -7 | 0 | -1 |
| 58-SS-A | 9910 | 0 | 0 | 0 | | | |
| 60-SS-A | 9930 | -44 | -664 | 46 | | | |
| 61-FP-A | 9940 | -19510 | 971 | 7232 | 1020 | 3577 | 1096 |
| 62-SS-A | 9950 | -25 | -2 | -137 | | | |
| 63-GS-A | 9970 | 1001 | 348 | -3531 | 3 | 0 | 0 |
| 64-SS-A | 9980 | 16 | -1808 | 0 | | | |
| 65-SS-A | 10010 | 0 | 0 | 0 | | | |
| 66-SS-A | 10040 | -20 | 435 | -1 | | | |
| 67-GS-A | 10050 | -2137 | 839 | -7652 | 0 | 0 | 0 |
| 68-FP-A | 10055 | 20575 | -83 | 5436 | -2445 | -1279 | -2749 |
| 70-SS-A | 10100 | 0 | 0 | 0 | | | |

| | | | | | | | |
|----------|-------|--------|---------|-------|-------|-------|-------|
| 71-SS-A | 10105 | -7 | -13842 | 1384 | | | |
| 72-SS-A | 10110 | -4 | -16509 | 1651 | | | |
| 73-SS-A | 10115 | 17825 | -114791 | -784 | | | |
| 74-SS-A | 10150 | -16432 | -71941 | 2440 | | | |
| 76-SS-A | 10170 | 5082 | -72587 | -1161 | | | |
| 77-GS-A | 10180 | 4385 | -73716 | 264 | -6114 | 134 | 1774 |
| 78-SS-A | 10190 | 6381 | -61965 | 68 | | | |
| 79-SS-A | 10220 | 4190 | -88912 | -95 | | | |
| 80-SS-A | 10250 | 7196 | -62533 | -39 | | | |
| 81-GS-A | 10260 | 3307 | -72146 | 114 | 0 | -5 | 0 |
| 82-SS-A | 10270 | 3946 | -78466 | -24 | | | |
| 83-FP-A | 10280 | 4858 | -74047 | -16 | -6346 | 9 | 596 |
| 84-GS-A | 10290 | 1618 | -86082 | 84 | 0 | 0 | 0 |
| 87-SS-A | 10310 | 3612 | -66836 | 1244 | | | |
| 88-SS-A | 10320 | 5419 | -56829 | -220 | | | |
| 89-SS-A | 10330 | 3817 | -55021 | 692 | | | |
| 90-SS-A | 10360 | 4034 | -69393 | -641 | | | |
| 91-SS-A | 10390 | 4288 | -67028 | 120 | | | |
| 92-GS-A | 10400 | 45 | -87272 | -1 | 0 | 0 | 0 |
| 93-SS-A | 10410 | 2604 | -80499 | 1 | | | |
| 94-FP-A | 10420 | 2032 | -82249 | -4 | -5542 | 2 | 110 |
| 95-GS-A | 10430 | 2032 | -81800 | 15 | 0 | 0 | 0 |
| 96-SS-A | 10440 | 694 | -82171 | -65 | | | |
| 97-SS-A | 10450 | 3253 | -66773 | 203 | | | |
| 98-SS-A | 10480 | 1586 | -88634 | -323 | | | |
| 99-SS-A | 10510 | 660 | -61044 | 228 | | | |
| 100-GS-A | 10520 | -74 | -73734 | -68 | 0 | 1 | 0 |
| 101-SS-A | 10530 | -320 | -71446 | 18 | | | |
| 102-FP-A | 10540 | -374 | -56661 | -6 | -4968 | -2 | -161 |
| 103-SS-A | 10560 | -581 | -64457 | 3 | | | |
| 104-SS-A | 10580 | -410 | -72741 | -8 | | | |
| 105-GS-A | 10590 | 70 | -82280 | 27 | 135 | -1 | -1 |
| 106-SS-A | 10600 | -902 | -63781 | -252 | | | |
| 107-SS-A | 10630 | -2047 | -68370 | 236 | | | |
| 109-SS-A | 10660 | -3885 | -65004 | 52 | | | |
| 110-GS-A | 10670 | 2918 | -79012 | -165 | 0 | 0 | 0 |
| 111-FP-A | 10680 | -1319 | -84869 | 396 | -4253 | -137 | -3267 |
| 114-SS-A | 10700 | -5098 | -83265 | 2988 | | | |
| 115-SS-A | 10705 | -9869 | -51652 | -250 | | | |
| 116-GS-A | 10710 | -7346 | -58687 | -245 | 18 | 104 | 0 |
| 117-SS-A | 10740 | -7543 | -87854 | 12 | | | |
| 118-GS-A | 10770 | -9297 | -62837 | 286 | -21 | 83 | -5 |
| 119-SS-A | 10780 | -4514 | -72721 | -107 | | | |
| 120-FP-A | 10790 | -6955 | -75651 | -216 | -1312 | 84 | 931 |
| 121-SS-A | 10800 | -9110 | -81866 | 1118 | | | |
| 123-SS-A | 10820 | -791 | -64336 | 877 | | | |
| 124-GS-A | 10830 | -2121 | -68982 | -210 | 0 | 0 | 0 |
| 125-SS-A | 10840 | -3353 | -67200 | -272 | | | |
| 126-SS-A | 10870 | -4175 | -67399 | -135 | | | |
| 127-SS-A | 10900 | -5843 | -64771 | 467 | | | |
| 128-SS-A | 10910 | 2976 | -82147 | -159 | | | |
| 129-FP-A | 10920 | -2817 | -88484 | 231 | -636 | -54 | -2360 |
| 131-SS-A | 10940 | -11669 | -84240 | 3731 | | | |
| 132-SS-A | 10950 | -16194 | -71264 | 3 | | | |
| 133-SS-A | 10980 | -862 | -86117 | -314 | | | |
| 134-SS-A | 11010 | -9609 | -65171 | 40 | | | |
| 136-FP-A | 11030 | 11590 | -59728 | 5170 | -6008 | -1000 | -2878 |
| 137-SS-A | 11070 | -8949 | -93822 | -2829 | | | |
| 138-SS-A | 11075 | -1432 | -20898 | 1526 | | | |
| 139-SS-A | 11080 | -1778 | -19939 | 902 | | | |
| 140-SS-A | 11085 | 4486 | -86909 | -821 | | | |
| 142-SS-A | 11130 | -5308 | -70457 | 7066 | | | |
| 143-SS-A | 11140 | -6192 | -37197 | 1549 | | | |
| 145-FP-A | 11160 | 197 | -62841 | -1631 | -3670 | -212 | -4940 |
| 1CH-SS-B | 12520 | -1198 | -40253 | -205 | | | |
| 2CH-SS-B | 12530 | 928 | -34429 | 390 | | | |
| 3CH-SS-B | 12550 | -786 | -49672 | 4237 | | | |
| 1CH-SS-A | 12750 | 905 | -51199 | -535 | | | |
| 2CH-SS-A | 12760 | 1669 | -18236 | 950 | | | |
| 3CH-SS-A | 12780 | -1441 | -58568 | 4406 | | | |

| | | | | | | | |
|----------|-------|--------|------|-------|------|--------|------|
| 71-SS-A | 10105 | 0 | 0 | 0 | | | |
| 72-SS-A | 10110 | 0 | 0 | 0 | | | |
| 73-SS-A | 10115 | 0 | 0 | 0 | | | |
| 74-SS-A | 10150 | -4 | -55 | 0 | | | |
| 76-SS-A | 10170 | -1 | 0 | 1 | | | |
| 77-GS-A | 10180 | -15361 | -33 | 2186 | 85 | 24050 | 601 |
| 78-SS-A | 10190 | 31 | -661 | -24 | | | |
| 79-SS-A | 10220 | 0 | 0 | 0 | | | |
| 80-SS-A | 10250 | -9 | 484 | -1 | | | |
| 81-GS-A | 10260 | -1059 | 31 | -3531 | 85 | 1 | 0 |
| 82-SS-A | 10270 | 0 | 0 | 0 | | | |
| 83-FP-A | 10280 | -7920 | -17 | -465 | -477 | 1145 | 374 |
| 84-GS-A | 10290 | 4138 | 350 | 13844 | 5 | 0 | 0 |
| 87-SS-A | 10310 | 0 | -32 | 1 | | | |
| 88-SS-A | 10320 | 0 | 0 | 0 | | | |
| 89-SS-A | 10330 | 108 | -736 | -35 | | | |
| 90-SS-A | 10360 | -6 | -100 | -28 | | | |
| 91-SS-A | 10390 | -9 | 841 | 0 | | | |
| 92-GS-A | 10400 | -148 | -91 | -471 | 0 | 0 | 0 |
| 93-SS-A | 10410 | -9 | -118 | 1 | | | |
| 94-FP-A | 10420 | -2256 | 86 | 4276 | -544 | -1579 | 256 |
| 95-GS-A | 10430 | 0 | 0 | 0 | 0 | 0 | 0 |
| 96-SS-A | 10440 | 634 | 26 | -2117 | | | |
| 97-SS-A | 10450 | 25 | -452 | -17 | | | |
| 98-SS-A | 10480 | 9 | -227 | -68 | | | |
| 99-SS-A | 10510 | -17 | 828 | -13 | | | |
| 100-GS-A | 10520 | -1389 | -241 | -4548 | -22 | 0 | 0 |
| 101-SS-A | 10530 | 0 | 5 | 0 | 3 | 0 | 0 |
| 102-FP-A | 10540 | 557 | 26 | 6376 | -603 | 839 | -57 |
| 103-SS-A | 10560 | 1 | -7 | 0 | | | |
| 104-SS-A | 10580 | 0 | -1 | 0 | | | |
| 105-GS-A | 10590 | 652 | -139 | -2075 | 0 | 0 | 0 |
| 106-SS-A | 10600 | -1 | 272 | 0 | | | |
| 107-SS-A | 10630 | 2 | -80 | -23 | | | |
| 109-SS-A | 10660 | -53 | -766 | -49 | | | |
| 110-GS-A | 10670 | -480 | 32 | -1603 | 0 | 0 | 0 |
| 111-FP-A | 10680 | -237 | -512 | -7325 | 293 | 8851 | -787 |
| 114-SS-A | 10700 | -63 | -902 | -91 | | | |
| 115-SS-A | 10705 | 0 | -65 | 0 | | | |
| 116-GS-A | 10710 | 2298 | 411 | -7660 | 1213 | -8 | 0 |
| 117-SS-A | 10740 | 0 | 0 | 0 | | | |
| 118-GS-A | 10770 | -1544 | -447 | -4923 | -895 | 7 | 5 |
| 119-SS-A | 10780 | -120 | -609 | 7 | | | |
| 120-FP-A | 10790 | 6798 | 1159 | 12817 | 456 | -6844 | 92 |
| 121-SS-A | 10800 | -8 | -154 | -14 | | | |
| 123-SS-A | 10820 | 0 | -1 | 0 | | | |
| 124-GS-A | 10830 | 541 | 112 | 1840 | 2 | 0 | 0 |
| 125-SS-A | 10840 | 2 | -248 | 0 | | | |
| 126-SS-A | 10870 | 0 | -1 | 0 | | | |
| 127-SS-A | 10900 | -1 | 249 | -1 | | | |
| 128-SS-A | 10910 | 0 | 0 | 0 | | | |
| 129-FP-A | 10920 | 11552 | -370 | -5432 | 374 | 5097 | -553 |
| 131-SS-A | 10940 | 0 | 0 | 1 | | | |
| 132-SS-A | 10950 | -9 | -166 | 0 | | | |
| 133-SS-A | 10980 | 0 | 0 | 0 | | | |
| 134-SS-A | 11010 | -107 | -527 | -70 | | | |
| 136-FP-A | 11030 | 2315 | 1465 | 5844 | 3087 | -3051 | 7139 |
| 137-SS-A | 11070 | -2 | 0 | 5 | | | |
| 138-SS-A | 11075 | 2 | 0 | -5 | | | |
| 139-SS-A | 11080 | 0 | 0 | 0 | | | |
| 140-SS-A | 11085 | 0 | 0 | 0 | | | |
| 142-SS-A | 11130 | 0 | 0 | 0 | | | |
| 143-SS-A | 11140 | 0 | 0 | 0 | | | |
| 145-FP-A | 11160 | 4907 | 554 | 1749 | 963 | -16946 | -396 |
| 1CH-SS-B | 12520 | -21 | 0 | 69 | | | |
| 2CH-SS-B | 12530 | 20 | 0 | -67 | | | |
| 3CH-SS-B | 12550 | 0 | 0 | 0 | | | |
| 1CH-SS-A | 12750 | 0 | 0 | 25 | | | |
| 2CH-SS-A | 12760 | 7 | 0 | -25 | | | |
| 3CH-SS-A | 12780 | 0 | 0 | 0 | | | |

| Provozní zatížení (W+P1+T1) | | | | | | | |
|-----------------------------|------|-----------|-----------|-----------|------------|------------|------------|
| Č. uložení | Node | fx (N) | fy (N) | fz (N) | mx (Nm) | my (Nm) | mz (Nm) |
| 1/1-SS-C | 20 | -8153 | -125417 | 11017 | | | |
| 3-GS-C | 50 | 9942 | -127571 | -3607 | 144 | -10 | 0 |

| Statické zatížení (náplň + tlak) + vítr 1 | | | | | | | |
|---|------|-----------|-----------|-----------|------------|------------|------------|
| Č. uložení | Node | fx (N) | fy (N) | fz (N) | mx (Nm) | my (Nm) | mz (Nm) |
| 1/1-SS-C | 20 | -3508 | -123854 | 5997 | | | |
| 3-GS-C | 50 | 197 | -125827 | -3612 | 15 | -8 | 0 |

| | | | | | | | |
|---------|------|--------|---------|--------|--------|-------|-------|
| 4-SS-C | 80 | -13340 | -85864 | -22036 | | | |
| 5-GS-C | 110 | -13791 | -114564 | 592 | -1137 | 143 | 0 |
| 6-GS-C | 130 | -20535 | -115772 | 24762 | 0 | 0 | 0 |
| 7-SS-C | 140 | -13212 | -145209 | 7770 | | | |
| 9-SS-C | 160 | -9785 | -146166 | 5865 | | | |
| 10-SS-C | 170 | -5403 | -104395 | 1567 | | | |
| 11-GS-C | 180 | -7670 | -151268 | -3141 | 0 | 0 | 0 |
| 13-FP-C | 230 | 67294 | -177766 | 11034 | 13038 | -5414 | 575 |
| 16-SS-C | 290 | 11966 | -143818 | 13387 | | | |
| 17-SS-C | 300 | 12371 | -121421 | 10159 | | | |
| 19-SS-C | 330 | -7576 | -137812 | 12742 | | | |
| 20-GS-C | 340 | -2286 | -111602 | 8775 | 84 | -9 | -13 |
| 21-SS-C | 350 | 3135 | -124668 | 4524 | | | |
| 23-SS-C | 390 | -5427 | -90798 | -15464 | | | |
| 24-SS-C | 420 | -18559 | -130117 | 6425 | | | |
| 25-GS-C | 440 | -22934 | -119825 | 5724 | 0 | 0 | 0 |
| 26-SS-C | 450 | -19651 | -111115 | 7562 | | | |
| 27-SS-C | 460 | -18202 | -150484 | 14751 | | | |
| 29-SS-C | 480 | -22498 | -141092 | 11532 | | | |
| 30-FP-C | 490 | -21771 | -129547 | 994 | 5119 | 2636 | -3916 |
| 31-SS-C | 500 | -57244 | -178741 | -3325 | | | |
| 32-SS-C | 507 | 0 | 0 | -29 | | | |
| 33-SS-C | 510 | 21091 | -74266 | 7394 | | | |
| 34-SS-C | 520 | 24278 | -87820 | -10231 | | | |
| 35-SS-C | 522 | 15813 | -73364 | -15310 | | | |
| 37-SS-C | 550 | -41155 | -138883 | -11746 | | | |
| 38-SS-C | 560 | -11975 | -112581 | -1340 | | | |
| 39-FP-C | 570 | 28163 | -130057 | 1620 | -5787 | -1032 | -730 |
| 40-SS-C | 580 | 5564 | -70755 | 3794 | | | |
| 41-SS-C | 590 | 10896 | -150071 | 9779 | | | |
| 43-GS-C | 615 | -20233 | -140951 | 29488 | 1414 | -194 | 0 |
| 44-SS-C | 620 | 9324 | -106855 | 2427 | | | |
| 45-SS-C | 660 | -6529 | -90941 | -27314 | | | |
| 46-SS-C | 690 | -14990 | -112071 | 4890 | | | |
| 47-SS-C | 700 | -18958 | -116054 | 4565 | | | |
| 48-GS-C | 710 | -38864 | -103230 | 4626 | -2108 | 148 | -175 |
| 49-SS-C | 720 | -53582 | -141844 | -2218 | | | |
| 51-FP-C | 730 | 36538 | -180414 | 4386 | -2310 | -891 | -904 |
| 53-SS-C | 740 | 24659 | -119930 | -12757 | | | |
| 54-SS-C | 750 | 11216 | -89553 | -19309 | | | |
| 56-SS-C | 840 | -3444 | -127065 | -11932 | | | |
| 57-GS-C | 850 | 11215 | -106910 | -2358 | 470 | 4 | 123 |
| 58-SS-C | 910 | 11962 | -148307 | 9995 | | | |
| 60-SS-C | 930 | -6787 | -163040 | 14314 | | | |
| 61-FP-C | 940 | -40823 | -103407 | 3327 | 1619 | 3837 | -2789 |
| 62-SS-C | 950 | 11547 | -108769 | -1794 | | | |
| 63-GS-C | 970 | 9200 | -73181 | 7835 | -2 | 0 | 0 |
| 64-SS-C | 980 | 14784 | -125826 | 6606 | | | |
| 65-SS-C | 1015 | 14213 | -104919 | -26088 | | | |
| 66-SS-C | 1040 | -1675 | -122330 | 6904 | | | |
| 67-GS-C | 1050 | -1459 | -61078 | 8574 | 0 | 0 | 0 |
| 68-FP-C | 1055 | 49908 | -141003 | -23946 | -13504 | 3151 | -5064 |
| 70-SS-C | 1100 | -4824 | -67397 | -4707 | | | |
| 71-SS-C | 1102 | -3227 | -47120 | -3434 | | | |
| 72-SS-C | 1105 | 4957 | -17664 | -1873 | | | |
| 73-SS-C | 1110 | 16308 | -164584 | -2224 | | | |
| 74-SS-C | 1130 | -5188 | -145520 | 41516 | | | |
| 76-SS-C | 1170 | -3555 | -119023 | 4534 | | | |
| 77-GS-C | 1180 | 22442 | -103527 | 8390 | -1500 | -958 | 2487 |
| 78-SS-C | 1190 | 17610 | -121395 | 6502 | | | |
| 79-SS-C | 1220 | -3979 | -105819 | -28578 | | | |
| 80-SS-C | 1250 | -3269 | -120059 | 6344 | | | |
| 81-GS-C | 1260 | -6398 | -102986 | 11008 | -57 | 4 | 0 |
| 82-SS-C | 1270 | -4239 | -125675 | -4409 | | | |
| 83-SS-C | 1280 | -3505 | -114389 | 4844 | | | |
| 84-SS-C | 1290 | 11467 | -141000 | 13787 | | | |
| 87-SS-C | 1310 | 2751 | -108260 | 10353 | | | |
| 88-SS-C | 1320 | 3254 | -103090 | 9897 | | | |
| 90-FP-C | 1360 | -53122 | -172913 | 7479 | -1494 | 7779 | -4414 |
| 92-GS-C | 1400 | 19595 | -160956 | -4265 | 0 | 0 | 0 |
| 93-SS-C | 1410 | 14862 | -118664 | -450 | | | |
| 94-GS-C | 1420 | 16361 | -130691 | -649 | 0 | 0 | 0 |
| 95-SS-C | 1430 | 16319 | -130388 | -730 | | | |
| 96-GS-C | 1440 | 19371 | -119278 | 16025 | -4 | 0 | 0 |
| 97-SS-C | 1450 | 15251 | -126578 | 2822 | | | |
| 98-SS-C | 1480 | 11606 | -104707 | -30300 | | | |
| 99-SS-C | 1510 | -10834 | -117920 | 1757 | | | |

| | | | | | | | |
|---------|------|--------|---------|--------|-------|------|-------|
| 4-SS-C | 80 | 565 | -85628 | 212 | | | |
| 5-GS-C | 110 | -2857 | -113714 | -570 | -2 | 131 | 0 |
| 6-GS-C | 130 | -4000 | -115870 | 6 | 0 | 0 | 0 |
| 7-SS-C | 140 | -612 | -145174 | 185 | | | |
| 9-SS-C | 160 | 211 | -146301 | 540 | | | |
| 10-SS-C | 170 | 15380 | -104271 | -342 | | | |
| 11-GS-C | 180 | 1366 | -151346 | 114 | 0 | 0 | 0 |
| 13-FP-C | 230 | 6933 | -177476 | -85 | 13099 | -47 | 466 |
| 16-SS-C | 290 | 21184 | -145359 | 2107 | | | |
| 17-SS-C | 300 | 15245 | -114908 | -5909 | | | |
| 19-SS-C | 330 | -23120 | -130347 | -7587 | | | |
| 20-GS-C | 340 | -22571 | -113076 | 3140 | 87 | -8 | -16 |
| 21-SS-C | 350 | -9214 | -125046 | -2047 | | | |
| 23-SS-C | 390 | -4386 | -88338 | -278 | | | |
| 24-SS-C | 420 | -1371 | -130575 | 1779 | | | |
| 25-GS-C | 440 | -17289 | -119670 | -725 | 0 | 0 | 0 |
| 26-SS-C | 450 | -22710 | -111656 | 626 | | | |
| 27-SS-C | 460 | -696 | -149014 | -1352 | | | |
| 29-SS-C | 480 | 115 | -145170 | 233 | | | |
| 30-FP-C | 490 | -6524 | -113147 | -298 | 1217 | 93 | -1438 |
| 31-SS-C | 500 | -54402 | -100828 | -316 | | | |
| 32-SS-C | 507 | -8775 | -94811 | 603 | | | |
| 33-SS-C | 510 | 21 | -86884 | -701 | | | |
| 34-SS-C | 520 | 0 | -79751 | 2293 | | | |
| 35-SS-C | 522 | 5191 | -97427 | -3837 | | | |
| 37-SS-C | 550 | 1138 | -111215 | 8038 | | | |
| 38-SS-C | 560 | 69 | -119468 | -1883 | | | |
| 39-FP-C | 570 | -629 | -128163 | -1814 | 1767 | 388 | -947 |
| 40-SS-C | 580 | 1495 | -70942 | 6877 | | | |
| 41-SS-C | 590 | 123 | -145570 | -14116 | | | |
| 43-GS-C | 615 | -9403 | -145602 | -478 | 0 | -325 | 0 |
| 44-SS-C | 620 | -1743 | -108393 | -2367 | | | |
| 45-SS-C | 660 | -7086 | -88576 | -1111 | | | |
| 46-SS-C | 690 | -4733 | -112321 | 3670 | | | |
| 47-SS-C | 700 | -2674 | -116620 | -66 | | | |
| 48-GS-C | 710 | -23349 | -103009 | -1035 | -2097 | 148 | -118 |
| 49-SS-C | 720 | 3483 | -141957 | 1075 | | | |
| 51-FP-C | 730 | -7188 | -180368 | -1678 | -1576 | 681 | -663 |
| 53-SS-C | 740 | 1643 | -119658 | 2367 | | | |
| 54-SS-C | 750 | -24017 | -91344 | -4273 | | | |
| 56-SS-C | 840 | 4552 | -128339 | 876 | | | |
| 57-GS-C | 850 | 1214 | -106604 | -2513 | 466 | 3 | 117 |
| 58-SS-C | 910 | -166 | -148539 | 2072 | | | |
| 60-SS-C | 930 | -21 | -163101 | 380 | | | |
| 61-FP-C | 940 | 4639 | -103038 | -2880 | 474 | -683 | -2508 |
| 62-SS-C | 950 | -89 | -108505 | 894 | | | |
| 63-GS-C | 970 | 4051 | -73932 | -461 | 0 | 0 | 0 |
| 64-SS-C | 980 | 1984 | -125034 | 1253 | | | |
| 65-SS-C | 1015 | 9769 | -102932 | 487 | | | |
| 66-SS-C | 1040 | -2100 | -125345 | -619 | | | |
| 67-GS-C | 1050 | 11325 | -65392 | -1496 | 0 | 0 | 0 |
| 68-FP-C | 1055 | 12751 | -119140 | 1038 | -5813 | -42 | -7243 |
| 70-SS-C | 1100 | 2325 | -91200 | -7955 | | | |
| 71-SS-C | 1102 | 3788 | -37970 | 1313 | | | |
| 72-SS-C | 1105 | 10111 | -35747 | 4636 | | | |
| 73-SS-C | 1110 | 16051 | -161624 | -1390 | | | |
| 74-SS-C | 1130 | -29279 | -131332 | 4604 | | | |
| 76-SS-C | 1170 | 9776 | -125446 | 692 | | | |
| 77-GS-C | 1180 | 11091 | -99672 | -1187 | -589 | 134 | 1234 |
| 78-SS-C | 1190 | 6608 | -122673 | 1306 | | | |
| 79-SS-C | 1220 | 9047 | -105067 | 216 | | | |
| 80-SS-C | 1250 | 1350 | -121067 | -976 | | | |
| 81-GS-C | 1260 | 16068 | -102247 | -648 | 8 | 4 | 0 |
| 82-SS-C | 1270 | -632 | -125883 | 389 | | | |
| 83-SS-C | 1280 | 16863 | -114241 | 473 | | | |
| 84-SS-C | 1290 | 7361 | -141481 | 326 | | | |
| 87-SS-C | 1310 | 15661 | -106525 | -3530 | | | |
| 88-SS-C | 1320 | 16739 | -104385 | 745 | | | |
| 90-FP-C | 1360 | 22149 | -167029 | 198 | -2681 | 235 | -3990 |
| 92-GS-C | 1400 | -11899 | -159146 | -39 | 0 | 0 | 0 |
| 93-SS-C | 1410 | -8924 | -119295 | 86 | | | |
| 94-GS-C | 1420 | -5758 | -130571 | 55 | 0 | 0 | 0 |
| 95-SS-C | 1430 | 2149 | -130323 | 103 | | | |
| 96-GS-C | 1440 | 4886 | -119730 | -329 | 0 | 0 | -1 |
| 97-SS-C | 1450 | 1881 | -125925 | 598 | | | |
| 98-SS-C | 1480 | 3271 | -104496 | -339 | | | |
| 99-SS-C | 1510 | 1339 | -118995 | -94 | | | |

| | | | | | | | |
|----------|------|--------|---------|--------|--------|-------|-------|
| 100-GS-C | 1520 | -13958 | -105373 | 11619 | 4 | 1 | 0 |
| 101-SS-C | 1530 | -12071 | -114507 | 399 | | | |
| 102-FP-C | 1540 | -76222 | -88378 | -638 | -1028 | 168 | -107 |
| 103-SS-C | 1560 | 9715 | -103032 | -292 | | | |
| 104-SS-C | 1570 | 10197 | -108018 | -13 | | | |
| 105-GS-C | 1580 | 13959 | -147618 | 952 | 5 | 3 | 0 |
| 108-SS-C | 1590 | 15233 | -178570 | 3273 | | | |
| 110-GS-C | 1630 | 11630 | -144107 | -7431 | 850 | -28 | 0 |
| 111-SS-C | 1670 | 5420 | -123947 | -7818 | | | |
| 114-SS-C | 1700 | -9717 | -127177 | -12373 | | | |
| 115-SS-C | 1705 | -1217 | -73222 | -4991 | | | |
| 116-GS-C | 1710 | 1105 | -115375 | 284 | 540 | 49 | 0 |
| 117-SS-C | 1740 | -13779 | -101340 | -30220 | | | |
| 118-GS-C | 1770 | -28518 | -125894 | 16247 | -253 | 56 | -11 |
| 119-SS-C | 1780 | -19093 | -102359 | 3330 | | | |
| 120-SS-C | 1790 | -18458 | -117173 | 8833 | | | |
| 121-SS-C | 1800 | -13131 | -135849 | 13193 | | | |
| 123-SS-C | 1820 | -11024 | -99606 | 8133 | | | |
| 124-GS-C | 1830 | -21060 | -127178 | 13724 | -2130 | 111 | 52 |
| 126-FP-C | 1870 | 5961 | -180422 | -4745 | 8392 | -1704 | 416 |
| 128-SS-C | 1910 | 6699 | -147573 | 3092 | | | |
| 129-GS-C | 1920 | 9980 | -130407 | -17445 | 358 | 13 | 0 |
| 131-SS-C | 1940 | -13246 | -119947 | -11105 | | | |
| 132-SS-C | 1950 | -4835 | -133488 | 2637 | | | |
| 133-SS-C | 1980 | 16486 | -98576 | -22973 | | | |
| 134-SS-C | 2010 | -16725 | -125036 | 8893 | | | |
| 136-FP-C | 2030 | -9461 | -128832 | 25184 | -2280 | 4768 | -5838 |
| 137-SS-C | 2070 | -11680 | -117072 | -731 | | | |
| 138-SS-C | 2075 | 1919 | -30951 | -2719 | | | |
| 139-SS-C | 2080 | 3410 | -35216 | -882 | | | |
| 140-SS-C | 2085 | 10224 | -110384 | -4162 | | | |
| 142-SS-C | 2130 | -15196 | -105518 | -7691 | | | |
| 143-SS-C | 2140 | -8981 | -82170 | 7745 | | | |
| 145-FP-C | 2160 | 15188 | -76072 | 17372 | -276 | 2635 | -3701 |
| 1-FP-B | 3000 | 62451 | 30203 | 8838 | 1870 | -3884 | 4534 |
| 1/1-SS-B | 3018 | 7487 | -91253 | -1156 | | | |
| 2-GS-B | 3030 | 5922 | -60870 | 4335 | 0 | 0 | 0 |
| 3-GS-B | 3050 | 5104 | -62266 | 321 | 218 | 12 | 0 |
| 4-SS-B | 3080 | -5320 | -60663 | -19051 | | | |
| 5-GS-B | 3105 | -8311 | -68323 | 831 | -892 | 35 | 0 |
| 6-GS-B | 3130 | -13116 | -76247 | 14954 | 0 | 0 | 0 |
| 7-SS-B | 3140 | -7846 | -91012 | 5463 | | | |
| 9-FP-B | 3160 | 19 | -91228 | 6298 | -1714 | 6402 | 4949 |
| 10-SS-B | 3170 | 10306 | -71920 | -2077 | | | |
| 11-GS-B | 3180 | 15110 | -80921 | 11567 | 0 | 0 | 0 |
| 12-SS-B | 3190 | 9407 | -68661 | 2284 | | | |
| 13-SS-B | 3230 | 17483 | -66224 | -14777 | | | |
| 14-SS-B | 3260 | -2864 | -65328 | 3420 | | | |
| 16-SS-B | 3290 | -1708 | -75053 | 5366 | | | |
| 17-SS-B | 3300 | -969 | -80554 | 6536 | | | |
| 19-FP-B | 3330 | -12432 | -82411 | 14875 | 5813 | 6356 | 2193 |
| 20-GS-B | 3340 | 475 | -76108 | 4093 | 61 | -6 | -2 |
| 21-SS-B | 3350 | 2813 | -71579 | 2301 | | | |
| 23-SS-B | 3390 | -8892 | -70949 | -14659 | | | |
| 24-SS-B | 3420 | -14435 | -78878 | 3775 | | | |
| 25-GS-B | 3440 | -17507 | -78552 | 11682 | 0 | 0 | 0 |
| 26-SS-B | 3450 | -11450 | -71283 | 5860 | | | |
| 27-SS-B | 3460 | -10443 | -92906 | 9244 | | | |
| 29-SS-B | 3480 | -12788 | -87109 | 7853 | | | |
| 30-FP-B | 3490 | -8717 | -85747 | 4524 | 7780 | 9373 | -6364 |
| 31-SS-B | 3500 | -36943 | -114771 | -2482 | | | |
| 32-SS-B | 3510 | 1 | 0 | 112 | | | |
| 33-SS-B | 3520 | 13068 | -44150 | 2154 | | | |
| 34-SS-B | 3522 | 13461 | -47539 | -4711 | | | |
| 35-SS-B | 3524 | 16009 | -68023 | -12655 | | | |
| 37-SS-B | 3550 | -27602 | -97527 | -11618 | | | |
| 38-SS-B | 3560 | -7010 | -66983 | -1465 | | | |
| 39-FP-B | 3570 | 14226 | -83641 | 3556 | -11018 | -4176 | -718 |
| 40-SS-B | 3580 | 3403 | -49918 | 3381 | | | |
| 41-SS-B | 3590 | 5725 | -86500 | 6202 | | | |
| 43-GS-B | 3615 | -11777 | -85040 | 29206 | 1259 | -52 | 0 |
| 44-SS-B | 3620 | 5696 | -64801 | 728 | | | |
| 45-SS-B | 3660 | -1305 | -70363 | -20851 | | | |
| 46-SS-B | 3690 | -9148 | -67280 | 2953 | | | |
| 47-SS-B | 3700 | -11735 | -74596 | 3820 | | | |
| 48-FP-B | 3705 | -40424 | -69956 | 1884 | -4498 | 2178 | -513 |
| 49-SS-B | 3720 | 16748 | -75421 | 4721 | | | |

| | | | | | | | |
|----------|------|--------|---------|-------|-------|-------|-------|
| 100-GS-C | 1520 | -1245 | -104796 | 78 | 0 | 1 | 0 |
| 101-SS-C | 1530 | -161 | -114436 | 31 | | | |
| 102-FP-C | 1540 | -981 | -88355 | -237 | -1190 | -121 | -96 |
| 103-SS-C | 1560 | -835 | -4078 | 36 | | | |
| 104-SS-C | 1570 | -1461 | -108007 | 50 | | | |
| 105-GS-C | 1580 | -235 | -147363 | 45 | 0 | 1 | 0 |
| 108-SS-C | 1590 | 563 | -178474 | 103 | | | |
| 110-GS-C | 1630 | -2004 | -144491 | -79 | 277 | -10 | 1 |
| 111-SS-C | 1670 | 667 | -122427 | 579 | | | |
| 114-SS-C | 1700 | -14189 | -123884 | 4474 | | | |
| 115-SS-C | 1705 | -13768 | -71934 | 92 | | | |
| 116-GS-C | 1710 | -8423 | -117773 | -865 | 22 | 43 | 0 |
| 117-SS-C | 1740 | -8991 | -101931 | -23 | | | |
| 118-GS-C | 1770 | -4526 | -122968 | -719 | -136 | 48 | -12 |
| 119-SS-C | 1780 | -19904 | -103722 | 234 | | | |
| 120-SS-C | 1790 | -14862 | -116789 | 81 | | | |
| 121-SS-C | 1800 | -7350 | -136630 | 2013 | | | |
| 123-SS-C | 1820 | -9088 | -100461 | 1512 | | | |
| 124-GS-C | 1830 | -833 | -127072 | -650 | -2126 | 111 | 121 |
| 126-FP-C | 1870 | -1430 | -180353 | -786 | 6312 | -319 | 627 |
| 128-SS-C | 1910 | -2557 | -148028 | 625 | | | |
| 129-GS-C | 1920 | -4370 | -128018 | 333 | 20 | 31 | 0 |
| 131-SS-C | 1940 | -28987 | -116722 | 4745 | | | |
| 132-SS-C | 1950 | -13492 | -134335 | 2386 | | | |
| 133-SS-C | 1980 | -771 | -100280 | -1009 | | | |
| 134-SS-C | 2010 | -9942 | -129960 | 353 | | | |
| 136-FP-C | 2030 | 19768 | -108787 | -2927 | -673 | -3240 | 1058 |
| 137-SS-C | 2070 | -12658 | -129099 | -1405 | | | |
| 138-SS-C | 2075 | -9379 | -41447 | 1166 | | | |
| 139-SS-C | 2080 | 0 | -38609 | -158 | | | |
| 140-SS-C | 2085 | 10961 | -120931 | 1770 | | | |
| 142-SS-C | 2130 | -7065 | -90545 | 10104 | | | |
| 143-SS-C | 2140 | -12049 | -77071 | 5589 | | | |
| 145-FP-C | 2160 | 1291 | -94535 | -4566 | 1529 | -1498 | -2174 |
| 1-FP-B | 3000 | -846 | -29719 | -318 | -1807 | 1335 | -4331 |
| 1/1-SS-B | 3018 | -1588 | -92115 | 2707 | | | |
| 2-GS-B | 3030 | -5679 | -61965 | 1057 | -1 | 0 | 0 |
| 3-GS-B | 3050 | -861 | -62708 | -125 | 2 | 16 | 0 |
| 4-SS-B | 3080 | 190 | -65916 | 316 | | | |
| 5-GS-B | 3105 | -2038 | -67681 | -332 | 0 | 31 | 0 |
| 6-GS-B | 3130 | -1539 | -76434 | 296 | 0 | 0 | 0 |
| 7-SS-B | 3140 | 6427 | -89958 | -1547 | | | |
| 9-FP-B | 3160 | -1055 | -91245 | -410 | -1948 | -328 | 4685 |
| 10-SS-B | 3170 | 689 | -71699 | 174 | | | |
| 11-GS-B | 3180 | 226 | -81367 | -159 | 0 | 0 | 0 |
| 12-SS-B | 3190 | 4645 | -68156 | 549 | | | |
| 13-SS-B | 3230 | 4175 | -66422 | -235 | | | |
| 14-SS-B | 3260 | 1433 | -65877 | -297 | | | |
| 16-SS-B | 3290 | 10324 | -75534 | 1130 | | | |
| 17-SS-B | 3300 | 10695 | -76684 | -2911 | | | |
| 19-FP-B | 3330 | -10938 | -76807 | -3997 | 3587 | -1004 | 1352 |
| 20-GS-B | 3340 | -14790 | -77822 | 1241 | 64 | -7 | -5 |
| 21-SS-B | 3350 | -6437 | -70571 | -1191 | | | |
| 23-SS-B | 3390 | 327 | -70435 | 1675 | | | |
| 24-SS-B | 3420 | -8267 | -76554 | -898 | | | |
| 25-GS-B | 3440 | -5804 | -78859 | -47 | 0 | 0 | 0 |
| 26-SS-B | 3450 | -14548 | -71460 | 193 | | | |
| 27-SS-B | 3460 | -3326 | -91966 | -327 | | | |
| 29-SS-B | 3480 | -79 | -90343 | 238 | | | |
| 30-FP-B | 3490 | -3380 | -72492 | -294 | 967 | 194 | -1693 |
| 31-SS-B | 3500 | -34692 | -64248 | 111 | | | |
| 32-SS-B | 3510 | -4568 | -62302 | 86 | | | |
| 33-SS-B | 3520 | 19 | -56459 | -780 | | | |
| 34-SS-B | 3522 | 0 | -40284 | 3648 | | | |
| 35-SS-B | 3524 | 4951 | -83042 | -6026 | | | |
| 37-SS-B | 3550 | 2906 | -79510 | 8232 | | | |
| 38-SS-B | 3560 | -478 | -72614 | -2711 | | | |
| 39-FP-B | 3570 | -692 | -82129 | -1043 | 849 | 668 | -1256 |
| 40-SS-B | 3580 | 1122 | -49301 | 3840 | | | |
| 41-SS-B | 3590 | -44 | -83040 | -7941 | | | |
| 43-GS-B | 3615 | -5770 | -89630 | -190 | | | |
| 44-SS-B | 3620 | -1353 | -65640 | -524 | | | |
| 45-SS-B | 3660 | -4735 | -68281 | -702 | | | |
| 46-SS-B | 3690 | -4312 | -67641 | 1529 | | | |
| 47-SS-B | 3700 | -3227 | -74972 | 338 | | | |
| 48-FP-B | 3705 | -673 | -70020 | -2839 | -4934 | 3786 | 13 |
| 49-SS-B | 3720 | -4801 | -74871 | 875 | | | |

| | | | | | | | |
|----------|------|--------|---------|--------|--------|-------|--------|
| 50-SS-B | 3730 | 16093 | -72505 | 4940 | | | |
| 51-SS-B | 3760 | 904 | -55139 | -15357 | | | |
| 52-SS-B | 3790 | -27700 | -77780 | 7798 | | | |
| 53-SS-B | 3800 | 8422 | -51715 | -9395 | | | |
| 54-SS-B | 3810 | 2563 | -72718 | -20255 | | | |
| 56-SS-B | 3840 | -4349 | -83040 | -6678 | | | |
| 57-GS-B | 3850 | 115 | -69259 | -6913 | 0 | 0 | 0 |
| 58-SS-B | 3860 | 22752 | -90109 | 15474 | | | |
| 60-SS-B | 3930 | -3937 | -97306 | 8583 | | | |
| 61-FP-B | 3940 | -35089 | -69456 | 6170 | 660 | 10314 | -3251 |
| 62-SS-B | 3950 | 6964 | -67654 | -2267 | | | |
| 63-GS-B | 3970 | 8279 | -49841 | 10616 | -2 | 0 | 0 |
| 64-SS-B | 3980 | 9613 | -73801 | 2677 | | | |
| 65-SS-B | 4010 | 9765 | -80854 | -24004 | | | |
| 66-SS-B | 4040 | -1314 | -70943 | 2216 | | | |
| 67-GS-B | 4050 | -6703 | -29974 | 21728 | 0 | 0 | 0 |
| 68-FP-B | 4055 | 50849 | -116721 | -46854 | -35469 | 9368 | -15036 |
| 70-SS-B | 4100 | -3022 | -39361 | -2522 | | | |
| 71-SS-B | 4105 | -2412 | -31199 | -1979 | | | |
| 72-SS-B | 4110 | -87 | -1101 | -68 | | | |
| 73-SS-B | 4115 | 29089 | -115056 | -2589 | | | |
| 74-SS-B | 4150 | 2040 | -88446 | 26296 | | | |
| 76-SS-B | 4170 | -2004 | -72302 | 2907 | | | |
| 77-GS-B | 4180 | 5617 | -70514 | 9443 | -6212 | -654 | 3511 |
| 78-SS-B | 4190 | 11719 | -70579 | 1134 | | | |
| 79-SS-B | 4220 | -5641 | -79623 | -21344 | | | |
| 80-SS-B | 4250 | -2101 | -69238 | 2176 | | | |
| 81-GS-B | 4260 | -6240 | -68887 | 12686 | -54 | -1 | 0 |
| 82-SS-B | 4270 | -3089 | -79228 | -1173 | | | |
| 83-FP-B | 4280 | 17950 | -73405 | -5312 | -4245 | -1491 | 1178 |
| 84-GS-B | 4290 | 15408 | -87550 | 14085 | -97 | 5 | 0 |
| 87-SS-B | 4310 | 4862 | -70911 | 6995 | | | |
| 88-SS-B | 4320 | 5152 | -51067 | 4678 | | | |
| 89-SS-B | 4330 | 9686 | -65077 | 2920 | | | |
| 90-SS-B | 4360 | -6202 | -59597 | -14809 | | | |
| 91-SS-B | 4390 | -4218 | -72484 | 1623 | | | |
| 92-GS-B | 4400 | -9062 | -85188 | 10006 | 0 | 0 | 0 |
| 93-SS-B | 4410 | -6040 | -81075 | -644 | | | |
| 94-FP-B | 4420 | -2258 | -81898 | -1824 | -3960 | 100 | 343 |
| 95-GS-B | 4430 | 10319 | -82680 | -835 | 0 | 0 | 0 |
| 96-SS-B | 4440 | 13122 | -78592 | 11857 | | | |
| 97-SS-B | 4450 | 9142 | -74833 | 1847 | | | |
| 98-SS-B | 4480 | 3251 | -79118 | -23704 | | | |
| 99-SS-B | 4510 | -6076 | -68243 | 1341 | | | |
| 100-GS-B | 4520 | -10588 | -70338 | 11589 | 7 | 0 | 0 |
| 101-SS-B | 4530 | -7605 | -72196 | -391 | | | |
| 102-FP-B | 4540 | -7919 | -56483 | -1229 | -3793 | -252 | -263 |
| 103-SS-B | 4560 | 6063 | -64306 | -217 | | | |
| 104-SS-B | 4580 | 6924 | -73399 | -272 | | | |
| 105-GS-B | 4590 | 10269 | -79780 | 9854 | 127 | 0 | -2 |
| 106-SS-B | 4600 | 6479 | -70700 | 468 | | | |
| 107-SS-B | 4630 | 2452 | -58465 | -16830 | | | |
| 109-SS-B | 4660 | -9627 | -73379 | -295 | | | |
| 110-GS-B | 4670 | -13399 | -75995 | 13214 | 0 | 0 | 0 |
| 111-FP-B | 4680 | 6261 | -84542 | -16994 | -1099 | 9315 | -2793 |
| 114-SS-B | 4700 | -6666 | -82858 | -8213 | | | |
| 115-SS-B | 4705 | 332 | -48958 | -1298 | | | |
| 116-GS-B | 4710 | 1911 | -65840 | 5638 | 527 | 47 | 0 |
| 117-SS-B | 4740 | -6957 | -77891 | -23457 | | | |
| 118-GS-B | 4770 | -16239 | -72599 | 8148 | -374 | 46 | -1 |
| 119-SS-B | 4780 | -13079 | -68318 | 685 | | | |
| 120-FP-B | 4790 | -22212 | -75984 | 10407 | 1556 | -7226 | 605 |
| 121-SS-B | 4800 | -2456 | -82608 | 6926 | | | |
| 123-SS-B | 4820 | 539 | -66676 | 5314 | | | |
| 124-GS-B | 4830 | 7975 | -65409 | 17229 | -3 | 1 | 0 |
| 125-SS-B | 4840 | 3835 | -74070 | -197 | | | |
| 126-SS-B | 4870 | 1357 | -56870 | -16327 | | | |
| 127-SS-B | 4900 | -10884 | -73324 | 716 | | | |
| 128-SS-B | 4910 | -10465 | -79178 | 4830 | | | |
| 129-FP-B | 4920 | 565 | -87866 | -8755 | 2463 | 11572 | -1942 |
| 131-SS-B | 4940 | -10841 | -80961 | -8065 | | | |
| 132-SS-B | 4950 | -3819 | -76930 | 3743 | | | |
| 133-SS-B | 4980 | 9189 | -75973 | -20244 | | | |
| 134-SS-B | 5010 | -9539 | -71206 | 5411 | | | |
| 136-FP-B | 5030 | -14501 | -81715 | 22828 | -2399 | 8565 | -12054 |
| 137-SS-B | 5070 | -7693 | -79514 | -1856 | | | |
| 138-SS-B | 5075 | 3958 | -14499 | -1828 | | | |

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|----------|------|--------|---------|-------|-------|-------|--------|
| 50-SS-B | 3730 | -4902 | -73602 | -277 | | | |
| 51-SS-B | 3760 | -5336 | -54978 | 106 | | | |
| 52-SS-B | 3790 | 581 | -76772 | 1052 | | | |
| 53-SS-B | 3800 | -17052 | -52100 | 1384 | | | |
| 54-SS-B | 3810 | 1072 | -73951 | -2252 | | | |
| 56-SS-B | 3840 | 2621 | -84182 | 1109 | | | |
| 57-GS-B | 3850 | -181 | -68970 | -2871 | 0 | 0 | 0 |
| 58-SS-B | 3860 | 209 | -90331 | 1766 | | | |
| 60-SS-B | 3930 | 222 | -97327 | 401 | | | |
| 61-FP-B | 3940 | 2753 | -69243 | -3099 | -890 | -3122 | -2898 |
| 62-SS-B | 3950 | 212 | -67365 | 694 | | | |
| 63-GS-B | 3970 | 1539 | -50639 | -164 | 0 | 0 | 0 |
| 64-SS-B | 3980 | 2430 | -72797 | 307 | | | |
| 65-SS-B | 4010 | 5280 | -78276 | 434 | | | |
| 66-SS-B | 4040 | 815 | -73949 | 375 | | | |
| 67-GS-B | 4050 | 6501 | -38712 | -1951 | 0 | 0 | 0 |
| 68-FP-B | 4055 | 7961 | -88064 | 1302 | -9303 | 1172 | -15239 |
| 70-SS-B | 4100 | -20 | -66947 | -5867 | | | |
| 71-SS-B | 4105 | -1370 | -20298 | 2396 | | | |
| 72-SS-B | 4110 | -7 | -16791 | 2577 | | | |
| 73-SS-B | 4115 | 19482 | -111809 | -870 | | | |
| 74-SS-B | 4150 | -17363 | -78780 | 4406 | | | |
| 76-SS-B | 4170 | 7232 | -75976 | 649 | | | |
| 77-GS-B | 4180 | 8496 | -68067 | -901 | -3349 | 269 | 1313 |
| 78-SS-B | 4190 | 5196 | -71108 | 498 | | | |
| 79-SS-B | 4220 | 4781 | -79101 | 40 | | | |
| 80-SS-B | 4250 | 4025 | -70621 | 62 | | | |
| 81-GS-B | 4260 | 6725 | -68215 | -5 | -1 | -2 | 0 |
| 82-SS-B | 4270 | 3148 | -79490 | 391 | | | |
| 83-FP-B | 4280 | 4562 | -73274 | -923 | -4849 | 240 | 736 |
| 84-GS-B | 4290 | 3791 | -87560 | 380 | 1 | 5 | 0 |
| 87-SS-B | 4310 | 534 | -70636 | 79 | | | |
| 88-SS-B | 4320 | 8318 | -51818 | -30 | | | |
| 89-SS-B | 4330 | 2044 | -63334 | 594 | | | |
| 90-SS-B | 4360 | 3503 | -59251 | -529 | | | |
| 91-SS-B | 4390 | 3805 | -74315 | 177 | | | |
| 92-GS-B | 4400 | 1070 | -84420 | -182 | 0 | 0 | 0 |
| 93-SS-B | 4410 | 2336 | -81327 | 61 | | | |
| 94-FP-B | 4420 | 2809 | -81833 | -153 | -3894 | 122 | 139 |
| 95-GS-B | 4430 | 1715 | -82628 | 71 | 0 | 0 | 0 |
| 96-SS-B | 4440 | 1885 | -78845 | -23 | | | |
| 97-SS-B | 4450 | 2198 | -74410 | 234 | | | |
| 98-SS-B | 4480 | 1755 | -78787 | -261 | | | |
| 99-SS-B | 4510 | 762 | -69098 | 167 | | | |
| 100-GS-B | 4520 | -405 | -69975 | -6 | 0 | 0 | 0 |
| 101-SS-B | 4530 | -230 | -72272 | 46 | | | |
| 102-FP-B | 4540 | -257 | -56445 | -243 | -3267 | 21 | -240 |
| 103-SS-B | 4560 | -609 | -64300 | 36 | | | |
| 104-SS-B | 4580 | -327 | -73503 | 22 | | | |
| 105-GS-B | 4590 | -177 | -79384 | 102 | 126 | -1 | -2 |
| 106-SS-B | 4600 | -595 | -71218 | -325 | | | |
| 107-SS-B | 4630 | -2573 | -58123 | 59 | | | |
| 109-SS-B | 4660 | -2597 | -72322 | 360 | | | |
| 110-GS-B | 4670 | 1606 | -76716 | -141 | 0 | 0 | 0 |
| 111-FP-B | 4680 | -785 | -83587 | 272 | -2296 | -281 | -2307 |
| 114-SS-B | 4700 | -7178 | -80378 | 2802 | | | |
| 115-SS-B | 4705 | -9274 | -48483 | 47 | | | |
| 116-GS-B | 4710 | -6048 | -67379 | -458 | -1 | 46 | 0 |
| 117-SS-B | 4740 | -6736 | -78106 | 40 | | | |
| 118-GS-B | 4770 | -5879 | -70891 | 369 | -39 | 37 | -4 |
| 119-SS-B | 4780 | -8919 | -69078 | 287 | | | |
| 120-FP-B | 4790 | -6826 | -75650 | -1296 | 1549 | 74 | 1373 |
| 121-SS-B | 4800 | -7854 | -83437 | 1371 | | | |
| 123-SS-B | 4820 | 369 | -67685 | 1091 | | | |
| 124-GS-B | 4830 | -5384 | -64569 | -1238 | 0 | 1 | 0 |
| 125-SS-B | 4840 | -1684 | -75115 | -66 | | | |
| 126-SS-B | 4870 | -3724 | -57225 | -137 | | | |
| 127-SS-B | 4900 | -4687 | -71822 | 779 | | | |
| 128-SS-B | 4910 | 672 | -80136 | 340 | | | |
| 129-FP-B | 4920 | 661 | -86161 | -758 | -360 | 486 | -1089 |
| 131-SS-B | 4940 | -15760 | -78483 | 3706 | | | |
| 132-SS-B | 4950 | -11315 | -78711 | 1223 | | | |
| 133-SS-B | 4980 | -812 | -76775 | -362 | | | |
| 134-SS-B | 5010 | -7760 | -74770 | 874 | | | |
| 136-FP-B | 5030 | 13464 | -64710 | -665 | -3244 | -4324 | -76 |
| 137-SS-B | 5070 | -8736 | -90745 | -1644 | | | |
| 138-SS-B | 5075 | -3916 | -22324 | 1096 | | | |

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|----------|-------|--------|---------|--------|--------|-------|--------|
| 139-SS-B | 5080 | 1527 | -18164 | -984 | | | |
| 140-SS-B | 5085 | 5983 | -75572 | -4618 | | | |
| 142-SS-B | 5130 | -10305 | -79374 | -6670 | | | |
| 143-SS-B | 5140 | -8020 | -45982 | 681 | | | |
| 145-FP-B | 5160 | 9195 | -60008 | 16113 | 2774 | -636 | -3892 |
| 1-FP-A | 9000 | 88194 | 46772 | 13708 | 8620 | -2517 | 6889 |
| 1/1-SS-A | 9018 | 8933 | -107872 | 0 | | | |
| 2-GS-A | 9030 | 8380 | -80675 | 7568 | 1 | 0 | 0 |
| 3-GS-A | 9050 | 4443 | -54107 | 152 | 233 | -5 | 0 |
| 4-SS-A | 9080 | -6258 | -75117 | -21608 | -124 | 0 | 7 |
| 5-GS-A | 9105 | -7896 | -62255 | 1881 | -968 | 39 | 0 |
| 6-GS-A | 9130 | -13696 | -79524 | 15662 | 0 | 0 | 0 |
| 7-SS-A | 9140 | -8574 | -87230 | 5106 | | | |
| 9-FP-A | 9160 | 11133 | -89180 | 7542 | -2607 | 5088 | 4064 |
| 10-SS-A | 9170 | 10602 | -72057 | -667 | | | |
| 11-GS-A | 9180 | 13452 | -83104 | 5004 | 0 | 0 | 0 |
| 12-SS-A | 9190 | 9336 | -63289 | -414 | | | |
| 13-SS-A | 9230 | 7591 | -74502 | -6239 | | | |
| 14-SS-A | 9260 | -2725 | -57581 | 1680 | | | |
| 16-SS-A | 9290 | -1933 | -76277 | 5190 | | | |
| 17-SS-A | 9300 | -1062 | -78970 | 6325 | | | |
| 19-FP-A | 9330 | -12432 | -82411 | 14875 | 5813 | 6356 | 2193 |
| 20-GS-A | 9340 | 475 | -76108 | 4093 | 61 | -6 | -2 |
| 21-SS-A | 9350 | 2813 | -71579 | 2301 | | | |
| 23-SS-A | 9390 | -8892 | -70949 | -14659 | | | |
| 24-SS-A | 9420 | -14435 | -78878 | 3775 | | | |
| 25-GS-A | 9440 | -17507 | -78552 | 11682 | 0 | 0 | 0 |
| 26-SS-A | 9450 | -11450 | -71283 | 5860 | | | |
| 27-SS-A | 9460 | -10443 | -92906 | 9244 | | | |
| 29-SS-A | 9480 | -12788 | -87109 | 7853 | | | |
| 30-FP-A | 9490 | -8717 | -85747 | 4524 | 7780 | 9373 | -6364 |
| 31-SS-A | 9500 | -36943 | -114771 | -2482 | | | |
| 32-SS-A | 9510 | 1 | 0 | 112 | | | |
| 33-SS-A | 9515 | 13399 | -45541 | 2670 | | | |
| 34-SS-A | 9520 | 10578 | -36362 | -2663 | | | |
| 35-SS-A | 9522 | 21983 | -91051 | -16214 | | | |
| 37-SS-A | 9550 | -30497 | -103904 | -9266 | | | |
| 38-SS-A | 9560 | -6655 | -63162 | -1163 | | | |
| 39-FP-A | 9570 | 19729 | -83918 | 3291 | -13533 | -4101 | -235 |
| 40-SS-A | 9580 | 3661 | -54495 | 3650 | | | |
| 41-SS-A | 9590 | 4959 | -76868 | 5368 | | | |
| 43-GS-A | 9615 | -4130 | -82609 | 25110 | 925 | -34 | 0 |
| 44-SS-A | 9620 | 3332 | -59917 | -4306 | | | |
| 45-SS-A | 9660 | -4552 | -78015 | -7787 | | | |
| 46-SS-A | 9690 | -9094 | -61187 | -784 | | | |
| 47-SS-A | 9700 | -13123 | -77613 | 1670 | | | |
| 48-FP-A | 9710 | -40902 | -67636 | 1909 | -6958 | 719 | -224 |
| 49-SS-A | 9720 | 17141 | -80657 | 6921 | | | |
| 50-SS-A | 9730 | 12118 | -60012 | 5847 | | | |
| 51-SS-A | 9770 | 2919 | -71450 | -20153 | | | |
| 52-SS-A | 9795 | -24255 | -66087 | 6745 | | | |
| 53-SS-A | 9800 | 5814 | -52997 | -219 | | | |
| 54-SS-A | 9810 | 5668 | -79140 | -20761 | | | |
| 56-SS-A | 9840 | -2220 | -86000 | -8126 | | | |
| 57-GS-A | 9850 | 7204 | -69472 | 1672 | 309 | 2 | 68 |
| 58-SS-A | 9910 | 6989 | -86958 | 5911 | | | |
| 60-SS-A | 9930 | -2932 | -91177 | 8389 | | | |
| 61-FP-A | 9940 | -28966 | -72897 | 10079 | -2025 | 11130 | -2425 |
| 62-SS-A | 9950 | 6934 | -65489 | -1106 | | | |
| 63-GS-A | 9970 | 6253 | -54620 | 2211 | 2 | 0 | 0 |
| 64-SS-A | 9980 | 9755 | -65884 | -411 | | | |
| 65-SS-A | 10010 | 6649 | -90469 | -8907 | | | |
| 66-SS-A | 10040 | -541 | -63293 | -1615 | | | |
| 67-GS-A | 10050 | -4286 | -30090 | 13580 | 0 | 0 | 0 |
| 68-FP-A | 10055 | 44444 | -118067 | -37788 | -37361 | 9104 | -17474 |
| 70-SS-A | 10100 | -4264 | -56732 | -3741 | | | |
| 71-SS-A | 10105 | -1709 | -22415 | -1452 | | | |
| 72-SS-A | 10110 | -107 | -1369 | -84 | | | |
| 73-SS-A | 10115 | 26890 | -118171 | -1761 | | | |
| 74-SS-A | 10150 | 2487 | -80890 | 24012 | | | |
| 76-SS-A | 10170 | -1765 | -69717 | 2963 | | | |
| 77-GS-A | 10180 | 8186 | -75002 | 7351 | -10688 | 2756 | 2826 |
| 78-SS-A | 10190 | 10196 | -62690 | -3327 | | | |
| 79-SS-A | 10220 | 893 | -89431 | -8226 | | | |
| 80-SS-A | 10250 | -1436 | -60729 | -593 | | | |
| 81-GS-A | 10260 | -4054 | -72640 | 4902 | 13 | -3 | 0 |
| 82-SS-A | 10270 | -3124 | -78331 | 515 | | | |

| | | | | | | | |
|----------|-------|--------|---------|--------|--------|-------|--------|
| 139-SS-B | 5080 | 0 | -20909 | 689 | | | |
| 140-SS-B | 5085 | 6604 | -84617 | -132 | | | |
| 142-SS-B | 5130 | -4943 | -65471 | 7543 | | | |
| 143-SS-B | 5140 | -7044 | -42536 | 2755 | | | |
| 145-FP-B | 5160 | 1356 | -61838 | -2421 | -829 | -2404 | -4604 |
| 1-FP-A | 9000 | -1677 | -43538 | -4322 | -3874 | -2733 | -6123 |
| 1/1-SS-A | 9018 | 4248 | -113318 | 8245 | | | |
| 2-GS-A | 9030 | -669 | -80320 | -17986 | -13 | -1 | 0 |
| 3-GS-A | 9050 | -840 | -55057 | 6193 | -22 | 7 | 0 |
| 4-SS-A | 9080 | -540 | -74993 | -4222 | | | |
| 5-GS-A | 9105 | -1862 | -61622 | 2131 | 18 | 33 | 0 |
| 6-GS-A | 9130 | -748 | -79488 | -257 | 0 | 0 | 0 |
| 7-SS-A | 9140 | -1849 | -87245 | 302 | | | |
| 9-FP-A | 9160 | 732 | -89498 | -50 | -2998 | 38 | 3916 |
| 10-SS-A | 9170 | 6453 | -71738 | 71 | | | |
| 11-GS-A | 9180 | -1189 | -83521 | -89 | 0 | 0 | 0 |
| 12-SS-A | 9190 | 6161 | -62452 | 198 | | | |
| 13-SS-A | 9230 | 3665 | -74542 | 82 | | | |
| 14-SS-A | 9260 | 2128 | -58331 | -334 | | | |
| 16-SS-A | 9290 | 9107 | -76761 | 876 | | | |
| 17-SS-A | 9300 | 10616 | -75175 | -2513 | | | |
| 19-FP-A | 9330 | -10938 | -76807 | -3997 | 3587 | -1004 | 1352 |
| 20-GS-A | 9340 | -14790 | -77822 | 1241 | 64 | -7 | -5 |
| 21-SS-A | 9350 | -6437 | -70571 | -1191 | | | |
| 23-SS-A | 9390 | 327 | -70435 | 1675 | | | |
| 24-SS-A | 9420 | -8267 | -76554 | -898 | | | |
| 25-GS-A | 9440 | -5804 | -78859 | -47 | 0 | 0 | 0 |
| 26-SS-A | 9450 | -14548 | -71460 | 193 | | | |
| 27-SS-A | 9460 | -3326 | -91966 | -327 | | | |
| 29-SS-A | 9480 | -79 | -90343 | 238 | | | |
| 30-FP-A | 9490 | -3380 | -72492 | -294 | 967 | 194 | -1693 |
| 31-SS-A | 9500 | -34692 | -64248 | 111 | | | |
| 32-SS-A | 9510 | -4568 | -62302 | 86 | | | |
| 33-SS-A | 9515 | 20 | -58967 | -1161 | | | |
| 34-SS-A | 9520 | 0 | -28437 | 6179 | | | |
| 35-SS-A | 9522 | 6225 | -102669 | -9550 | | | |
| 37-SS-A | 9550 | 4710 | -90253 | 11112 | | | |
| 38-SS-A | 9560 | -926 | -67923 | -4740 | | | |
| 39-FP-A | 9570 | -648 | -82638 | -428 | -2107 | 695 | -732 |
| 40-SS-A | 9580 | 1082 | -53882 | 3012 | | | |
| 41-SS-A | 9590 | -210 | -72986 | -6947 | | | |
| 43-GS-A | 9615 | -5292 | -87758 | -577 | 7 | -150 | 0 |
| 44-SS-A | 9620 | -1694 | -60535 | 47 | | | |
| 45-SS-A | 9660 | -5052 | -76225 | -938 | | | |
| 46-SS-A | 9690 | -3632 | -61446 | 1347 | | | |
| 47-SS-A | 9700 | 2301 | -78006 | 397 | | | |
| 48-FP-A | 9710 | 1973 | -67675 | -2939 | -7706 | 3892 | 373 |
| 49-SS-A | 9720 | -27841 | -80254 | 897 | | | |
| 50-SS-A | 9730 | 8504 | -61694 | 41 | | | |
| 51-SS-A | 9770 | -4134 | -71511 | 283 | | | |
| 52-SS-A | 9795 | -2853 | -64759 | 543 | | | |
| 53-SS-A | 9800 | -16096 | -53175 | 1653 | | | |
| 54-SS-A | 9810 | 3062 | -80115 | -2410 | | | |
| 56-SS-A | 9840 | 2583 | -86850 | 1086 | | | |
| 57-GS-A | 9850 | -209 | -69253 | -2836 | 308 | 2 | 64 |
| 58-SS-A | 9910 | 257 | -87172 | 1732 | | | |
| 60-SS-A | 9930 | 297 | -91134 | 425 | | | |
| 61-FP-A | 9940 | 2642 | -72732 | -3176 | -3528 | -3112 | -2113 |
| 62-SS-A | 9950 | 408 | -65222 | 678 | | | |
| 63-GS-A | 9970 | 967 | -55323 | -56 | 0 | 1 | 0 |
| 64-SS-A | 9980 | 3241 | -64381 | 19 | | | |
| 65-SS-A | 10010 | 4797 | -88124 | 703 | | | |
| 66-SS-A | 10040 | 3347 | -66362 | 464 | | | |
| 67-GS-A | 10050 | 4185 | -38166 | -3086 | 0 | 0 | 0 |
| 68-FP-A | 10055 | 10132 | -94860 | 3290 | -11024 | 501 | -17942 |
| 70-SS-A | 10100 | -92 | -77468 | -6872 | | | |
| 71-SS-A | 10105 | -7 | -13842 | 2270 | | | |
| 72-SS-A | 10110 | -4 | -16509 | 2538 | | | |
| 73-SS-A | 10115 | 17825 | -114791 | -328 | | | |
| 74-SS-A | 10150 | -16435 | -71983 | 2962 | | | |
| 76-SS-A | 10170 | 5082 | -72624 | -586 | | | |
| 77-GS-A | 10180 | 8145 | -72886 | -466 | -7140 | 147 | 683 |
| 78-SS-A | 10190 | 6426 | -62677 | 281 | | | |
| 79-SS-A | 10220 | 4191 | -88977 | 40 | | | |
| 80-SS-A | 10250 | 7195 | -62550 | 191 | | | |
| 81-GS-A | 10260 | 3262 | -72015 | -5 | -2 | -5 | 0 |
| 82-SS-A | 10270 | 3952 | -78584 | 383 | | | |

| | | | | | | | |
|----------|-------|--------|--------|--------|-------|-------|--------|
| 83-FP-A | 10280 | 7936 | -74093 | -3252 | -5815 | -599 | 1098 |
| 84-GS-A | 10290 | 14842 | -86050 | 12656 | 4 | 0 | -1 |
| 87-SS-A | 10310 | 5021 | -66849 | 6611 | | | |
| 88-SS-A | 10320 | 5775 | -56233 | 5104 | | | |
| 89-SS-A | 10330 | 8521 | -56528 | 2464 | | | |
| 90-SS-A | 10360 | -8478 | -69804 | -16617 | | | |
| 91-SS-A | 10390 | -3689 | -65270 | 1838 | | | |
| 92-GS-A | 10400 | -9873 | -87872 | 12086 | 0 | 0 | 0 |
| 93-SS-A | 10410 | -5956 | -80336 | -934 | | | |
| 94-FP-A | 10420 | -1461 | -82274 | -2190 | -5754 | 39 | 336 |
| 95-GS-A | 10430 | 10193 | -81857 | -1028 | 0 | 0 | 0 |
| 96-SS-A | 10440 | 14073 | -81929 | 13674 | | | |
| 97-SS-A | 10450 | 8417 | -67498 | 1883 | | | |
| 98-SS-A | 10480 | 3281 | -89023 | -26668 | | | |
| 99-SS-A | 10510 | -5102 | -59867 | 1332 | | | |
| 100-GS-A | 10520 | -11504 | -74071 | 13389 | 8 | 1 | 0 |
| 101-SS-A | 10530 | -7509 | -71376 | -539 | | | |
| 102-FP-A | 10540 | -24122 | -56676 | -1449 | -5347 | -302 | -202 |
| 103-SS-A | 10560 | 6074 | -64474 | -337 | | | |
| 104-SS-A | 10580 | 6843 | -72661 | -486 | | | |
| 105-GS-A | 10590 | 27085 | -82578 | 11699 | 136 | -1 | -2 |
| 106-SS-A | 10600 | 5670 | -63301 | 713 | | | |
| 107-SS-A | 10630 | 4086 | -68690 | -19655 | | | |
| 109-SS-A | 10660 | -8997 | -66201 | -23 | | | |
| 110-GS-A | 10670 | -14067 | -78405 | 14448 | 0 | 0 | 0 |
| 111-FP-A | 10680 | 4737 | -85739 | -17250 | -3216 | 9169 | -3746 |
| 114-SS-A | 10700 | -6512 | -85550 | -8500 | | | |
| 115-SS-A | 10705 | 413 | -52006 | -1164 | | | |
| 116-GS-A | 10710 | 2181 | -57201 | 7175 | 1005 | 103 | 0 |
| 117-SS-A | 10740 | -7205 | -87659 | -26387 | | | |
| 118-GS-A | 10770 | -14952 | -64532 | 8492 | -764 | 103 | -2 |
| 119-SS-A | 10780 | -13747 | -72043 | 1067 | | | |
| 120-FP-A | 10790 | -23506 | -76023 | 11199 | -1299 | -7024 | 144 |
| 121-SS-A | 10800 | -2665 | -80744 | 6782 | | | |
| 123-SS-A | 10820 | 621 | -63199 | 4951 | | | |
| 124-GS-A | 10830 | 8698 | -69777 | 19024 | -3 | 0 | 0 |
| 125-SS-A | 10840 | 3509 | -66510 | 172 | | | |
| 126-SS-A | 10870 | 2527 | -67058 | -19009 | | | |
| 127-SS-A | 10900 | -9667 | -65984 | 1145 | | | |
| 128-SS-A | 10910 | -10540 | -81291 | 5214 | | | |
| 129-FP-A | 10920 | -2936 | -90088 | -8056 | 2255 | 11585 | -3221 |
| 131-SS-A | 10940 | -11225 | -86908 | -8575 | | | |
| 132-SS-A | 10950 | -4005 | -68987 | 3814 | | | |
| 133-SS-A | 10980 | 9851 | -85417 | -23102 | | | |
| 134-SS-A | 11010 | -9026 | -62608 | 4708 | | | |
| 136-FP-A | 11030 | -14844 | -75288 | 24804 | -4906 | 7270 | -14559 |
| 137-SS-A | 11070 | -6533 | -84167 | -3068 | | | |
| 138-SS-A | 11075 | 1220 | -13571 | -619 | | | |
| 139-SS-A | 11080 | 1376 | -16615 | -931 | | | |
| 140-SS-A | 11085 | 6176 | -79315 | -4976 | | | |
| 142-SS-A | 11130 | -11082 | -83850 | -6915 | | | |
| 143-SS-A | 11140 | -7077 | -40456 | 456 | | | |
| 145-FP-A | 11160 | 9179 | -60316 | 15302 | 1200 | -1990 | -4207 |
| 1CH-SS-B | 12520 | 1851 | -41270 | -3540 | | | |
| 2CH-SS-B | 12530 | 2704 | -34166 | -2257 | | | |
| 3CH-SS-B | 12550 | 4023 | -48108 | -2638 | | | |
| 1CH-SS-A | 12750 | -786 | -50759 | -4960 | | | |
| 2CH-SS-A | 12760 | 1338 | -19166 | -1449 | | | |
| 3CH-SS-A | 12780 | 2932 | -57710 | -94 | | | |

| | | | | | | | |
|----------|-------|--------|--------|-------|-------|-------|-------|
| 83-FP-A | 10280 | 4524 | -73948 | -919 | -6420 | 239 | 659 |
| 84-GS-A | 10290 | 1618 | -86101 | 400 | 0 | 0 | 0 |
| 87-SS-A | 10310 | 3612 | -66845 | 1282 | | | |
| 88-SS-A | 10320 | 5419 | -56843 | -153 | | | |
| 89-SS-A | 10330 | 3817 | -55028 | 725 | | | |
| 90-SS-A | 10360 | 4034 | -69394 | -631 | | | |
| 91-SS-A | 10390 | 4287 | -67014 | 157 | | | |
| 92-GS-A | 10400 | 56 | -87206 | -174 | 0 | 0 | 0 |
| 93-SS-A | 10410 | 2606 | -80557 | 58 | | | |
| 94-FP-A | 10420 | 2736 | -82219 | -148 | -5531 | 88 | 134 |
| 95-GS-A | 10430 | 2032 | -81804 | 67 | 0 | 0 | 0 |
| 96-SS-A | 10440 | 694 | -82175 | -20 | | | |
| 97-SS-A | 10450 | 3253 | -66773 | 225 | | | |
| 98-SS-A | 10480 | 1586 | -88634 | -314 | | | |
| 99-SS-A | 10510 | 660 | -61047 | 244 | | | |
| 100-GS-A | 10520 | -74 | -73733 | -35 | 0 | 1 | 0 |
| 101-SS-A | 10530 | -320 | -71446 | 51 | | | |
| 102-FP-A | 10540 | -262 | -56639 | -232 | -4952 | 32 | -178 |
| 103-SS-A | 10560 | -581 | -64474 | 33 | | | |
| 104-SS-A | 10580 | -410 | -72740 | 29 | | | |
| 105-GS-A | 10590 | 70 | -82280 | 67 | 135 | -1 | -1 |
| 106-SS-A | 10600 | -902 | -63783 | -231 | | | |
| 107-SS-A | 10630 | -2047 | -68370 | 240 | | | |
| 109-SS-A | 10660 | -3885 | -65004 | 77 | | | |
| 110-GS-A | 10670 | 2918 | -79016 | -115 | 0 | 0 | 0 |
| 111-FP-A | 10680 | -704 | -84851 | 289 | -4288 | -274 | -3263 |
| 114-SS-A | 10700 | -5099 | -83262 | 3092 | | | |
| 115-SS-A | 10705 | -9869 | -51639 | -77 | | | |
| 116-GS-A | 10710 | -7429 | -58711 | -422 | -3 | 104 | 0 |
| 117-SS-A | 10740 | -7545 | -87873 | 83 | | | |
| 118-GS-A | 10770 | -9261 | -62842 | 336 | 0 | 83 | -5 |
| 119-SS-A | 10780 | -4517 | -72721 | 286 | | | |
| 120-FP-A | 10790 | -6887 | -75651 | -1275 | -1312 | 55 | 931 |
| 121-SS-A | 10800 | -9114 | -81881 | 1496 | | | |
| 123-SS-A | 10820 | -792 | -64358 | 1126 | | | |
| 124-GS-A | 10830 | -1711 | -68979 | -1236 | 0 | 0 | 0 |
| 125-SS-A | 10840 | -3354 | -67195 | -58 | | | |
| 126-SS-A | 10870 | -4177 | -67465 | -104 | | | |
| 127-SS-A | 10900 | -5844 | -64764 | 720 | | | |
| 128-SS-A | 10910 | 2971 | -82186 | 357 | | | |
| 129-FP-A | 10920 | 839 | -88312 | -751 | -952 | 227 | -2309 |
| 131-SS-A | 10940 | -11684 | -84254 | 4493 | | | |
| 132-SS-A | 10950 | -16230 | -71394 | 768 | | | |
| 133-SS-A | 10980 | -862 | -86211 | 64 | | | |
| 134-SS-A | 11010 | -9625 | -65351 | 650 | | | |
| 136-FP-A | 11030 | 11590 | -59728 | 5170 | -6008 | -1000 | -2878 |
| 137-SS-A | 11070 | -9983 | -93485 | -2603 | | | |
| 138-SS-A | 11075 | -1432 | -20898 | 1526 | | | |
| 139-SS-A | 11080 | -1778 | -19939 | 902 | | | |
| 140-SS-A | 11085 | 4486 | -86909 | -821 | | | |
| 142-SS-A | 11130 | -6645 | -70504 | 6275 | | | |
| 143-SS-A | 11140 | -6192 | -37197 | 1549 | | | |
| 145-FP-A | 11160 | 1272 | -62680 | -3199 | -2103 | -2237 | -4767 |
| 1CH-SS-B | 12520 | -1193 | -40342 | -197 | | | |
| 2CH-SS-B | 12530 | 930 | -34429 | 387 | | | |
| 3CH-SS-B | 12550 | -786 | -49672 | 4237 | | | |
| 1CH-SS-A | 12750 | 904 | -51199 | -533 | | | |
| 2CH-SS-A | 12760 | 1670 | -18236 | 948 | | | |
| 3CH-SS-A | 12780 | -1441 | -58568 | 4406 | | | |

| Statické zatížení (náplň + tlak) + vítr 2 | | | | | | | |
|---|------|-----------|-----------|-----------|------------|------------|------------|
| Č. uložení | Node | fx (N) | fy (N) | fz (N) | mx (Nm) | my (Nm) | mz (Nm) |
| 1/1-SS-C | 20 | -3508 | -123854 | 5997 | | | |
| 3-GS-C | 50 | 197 | -125827 | -3613 | 15 | -7 | 0 |
| 4-SS-C | 80 | 565 | -85627 | 211 | | | |
| 5-GS-C | 110 | -2857 | -113714 | -573 | -1 | 132 | 0 |
| 6-GS-C | 130 | -4000 | -115870 | -2 | 0 | 0 | 0 |
| 7-SS-C | 140 | -612 | -145176 | 176 | | | |
| 9-SS-C | 160 | 211 | -146299 | 529 | | | |
| 10-SS-C | 170 | 15380 | -104271 | -352 | | | |
| 11-GS-C | 180 | 1367 | -151365 | 107 | 0 | 0 | 0 |
| 13-FP-C | 230 | 6950 | -177442 | -127 | 13364 | 62 | 494 |
| 16-SS-C | 290 | 21184 | -145357 | 2097 | | | |
| 17-SS-C | 300 | 15245 | -114908 | -5919 | | | |
| 19-SS-C | 330 | -23119 | -130348 | -7584 | | | |

| Statické zatížení (náplň + tlak) + vítr 3 | | | | | | | |
|---|------|-----------|-----------|-----------|------------|------------|------------|
| Č. uložení | Node | fx (N) | fy (N) | fz (N) | mx (Nm) | my (Nm) | mz (Nm) |
| 1/1-SS-C | 20 | -3508 | -123854 | 5997 | | | |
| 3-GS-C | 50 | 197 | -125827 | -3613 | 16 | -8 | 0 |
| 4-SS-C | 80 | 565 | -85627 | 212 | | | |
| 5-GS-C | 110 | -2857 | -113714 | -571 | -4 | 135 | 0 |
| 6-GS-C | 130 | -4000 | -115870 | 4 | 0 | 0 | 0 |
| 7-SS-C | 140 | -612 | -145184 | 183 | | | |
| 9-SS-C | 160 | 211 | -146303 | 537 | | | |
| 10-SS-C | 170 | 15380 | -104271 | -343 | | | |
| 11-GS-C | 180 | 1366 | -151346 | 114 | 0 | 0 | 0 |
| 13-FP-C | 230 | 6878 | -177442 | 18 | 14194 | -341 | 433 |
| 16-SS-C | 290 | 21184 | -145358 | 2107 | | | |
| 17-SS-C | 300 | 15245 | -114907 | -5909 | | | |
| 19-SS-C | 330 | -23119 | -130346 | -7587 | | | |

| | | | | | | | |
|----------|------|--------|---------|--------|-------|-------|-------|
| 20-GS-C | 340 | -22571 | -113076 | 3143 | 87 | -8 | -16 |
| 21-SS-C | 350 | -9215 | -125040 | -2044 | | | |
| 23-SS-C | 390 | -4386 | -88324 | -264 | | | |
| 24-SS-C | 420 | -1369 | -130583 | 1786 | | | |
| 25-GS-C | 440 | -17289 | -119674 | -738 | 0 | 0 | 0 |
| 26-SS-C | 450 | -22710 | -111664 | 569 | | | |
| 27-SS-C | 460 | -696 | -149023 | -1436 | | | |
| 29-SS-C | 480 | 62 | -145658 | 73 | | | |
| 30-FP-C | 490 | -9255 | -112839 | 156 | 2945 | -258 | -1037 |
| 31-SS-C | 500 | -54387 | -100870 | -112 | | | |
| 32-SS-C | 507 | -8874 | -94086 | 785 | | | |
| 33-SS-C | 510 | 0 | -86737 | -896 | | | |
| 34-SS-C | 520 | 0 | -79751 | 1903 | | | |
| 35-SS-C | 522 | 5191 | -97427 | -4236 | | | |
| 37-SS-C | 550 | 1138 | -111215 | 7413 | | | |
| 38-SS-C | 560 | 69 | -119466 | -3694 | | | |
| 39-FP-C | 570 | -709 | -128265 | 657 | 322 | 259 | -1193 |
| 40-SS-C | 580 | 1495 | -70972 | 6248 | | | |
| 41-SS-C | 590 | 124 | -145199 | -14824 | | | |
| 43-GS-C | 615 | -10855 | -145470 | 2586 | 257 | -315 | 0 |
| 44-SS-C | 620 | -1742 | -108401 | -2044 | | | |
| 45-SS-C | 660 | -7087 | -88583 | -612 | | | |
| 46-SS-C | 690 | -4728 | -112404 | 3250 | | | |
| 47-SS-C | 700 | -2668 | -116686 | -1540 | | | |
| 48-GS-C | 710 | -24354 | -102715 | 583 | -2070 | 146 | -159 |
| 49-SS-C | 720 | 3464 | -142427 | -615 | | | |
| 51-FP-C | 730 | -11841 | -179847 | 884 | -1412 | -707 | -361 |
| 53-SS-C | 740 | 1643 | -119906 | 1010 | | | |
| 54-SS-C | 750 | -23989 | -91043 | -5316 | | | |
| 56-SS-C | 840 | 4555 | -128297 | -2427 | | | |
| 57-GS-C | 850 | 4320 | -106335 | 2023 | 456 | 3 | 115 |
| 58-SS-C | 910 | -164 | -148523 | -530 | | | |
| 60-SS-C | 930 | -22 | -163085 | -1918 | | | |
| 61-FP-C | 940 | -2236 | -103284 | 1481 | 1642 | 760 | -2836 |
| 62-SS-C | 950 | -101 | -108550 | 588 | | | |
| 63-GS-C | 970 | 3779 | -74176 | 436 | 0 | 0 | 0 |
| 64-SS-C | 980 | 2007 | -125200 | 961 | | | |
| 65-SS-C | 1015 | 9769 | -102908 | 205 | | | |
| 66-SS-C | 1040 | -2099 | -125225 | -2046 | | | |
| 67-GS-C | 1050 | 11482 | -67376 | -3525 | 0 | 0 | 0 |
| 68-FP-C | 1055 | 5521 | -117567 | 8113 | 2106 | -1233 | -2961 |
| 70-SS-C | 1100 | 2325 | -91200 | -6883 | | | |
| 71-SS-C | 1102 | 3806 | -38887 | 1217 | | | |
| 72-SS-C | 1105 | 10115 | -35833 | 3506 | | | |
| 73-SS-C | 1110 | 16051 | -161624 | -2460 | | | |
| 74-SS-C | 1130 | -29167 | -131800 | 1281 | | | |
| 76-SS-C | 1170 | 9780 | -125317 | -9 | | | |
| 77-GS-C | 1180 | 4614 | -100019 | 382 | 1441 | -446 | 1734 |
| 78-SS-C | 1190 | 6568 | -122083 | 1412 | | | |
| 79-SS-C | 1220 | 9056 | -104942 | 296 | | | |
| 80-SS-C | 1250 | 1352 | -121038 | -1720 | | | |
| 81-GS-C | 1260 | 17042 | -102389 | 1222 | -13 | 4 | 0 |
| 82-SS-C | 1270 | -629 | -125860 | 165 | | | |
| 83-SS-C | 1280 | 16864 | -114200 | -124 | | | |
| 84-SS-C | 1290 | 7361 | -141445 | -602 | | | |
| 87-SS-C | 1310 | 15665 | -106575 | -3611 | | | |
| 88-SS-C | 1320 | 16739 | -104351 | 551 | | | |
| 90-FP-C | 1360 | 18750 | -167172 | 899 | -2313 | 445 | -3908 |
| 92-GS-C | 1400 | -11900 | -159095 | -4 | 0 | 0 | 0 |
| 93-SS-C | 1410 | -8924 | -119284 | 47 | | | |
| 94-GS-C | 1420 | -5758 | -130566 | -44 | 0 | 0 | 0 |
| 95-SS-C | 1430 | 2149 | -130317 | -50 | | | |
| 96-GS-C | 1440 | 4772 | -119753 | -119 | 0 | 0 | -1 |
| 97-SS-C | 1450 | 1881 | -125928 | 600 | | | |
| 98-SS-C | 1480 | 3271 | -104492 | -330 | | | |
| 99-SS-C | 1510 | 1339 | -118995 | -141 | | | |
| 100-GS-C | 1520 | -1245 | -104797 | -25 | 0 | 1 | 0 |
| 101-SS-C | 1530 | -161 | -114446 | -111 | | | |
| 102-FP-C | 1540 | -78 | -88356 | 241 | -991 | 119 | -94 |
| 103-SS-C | 1560 | -835 | -4078 | -42 | | | |
| 104-SS-C | 1570 | -1461 | -108008 | -38 | | | |
| 105-GS-C | 1580 | -235 | -147364 | -71 | 0 | 1 | 0 |
| 108-SS-C | 1590 | 561 | -178541 | -35 | | | |
| 110-GS-C | 1630 | -2004 | -144509 | 65 | 285 | -13 | 2 |
| 111-SS-C | 1670 | 668 | -122399 | 674 | | | |
| 114-SS-C | 1700 | -14189 | -123889 | 4086 | | | |
| 115-SS-C | 1705 | -13765 | -71949 | -569 | | | |

| | | | | | | | |
|----------|------|--------|---------|--------|-------|-------|-------|
| 20-GS-C | 340 | -22571 | -113076 | 3140 | 88 | -8 | -15 |
| 21-SS-C | 350 | -9218 | -125053 | -2047 | | | |
| 23-SS-C | 390 | -4389 | -88338 | -275 | | | |
| 24-SS-C | 420 | -1366 | -130565 | 1773 | | | |
| 25-GS-C | 440 | -17289 | -119671 | -753 | 0 | 0 | 0 |
| 26-SS-C | 450 | -22710 | -111657 | 555 | | | |
| 27-SS-C | 460 | -696 | -149016 | -1422 | | | |
| 29-SS-C | 480 | 60 | -145693 | -30 | | | |
| 30-FP-C | 490 | -8031 | -113015 | 2277 | 9834 | -2956 | -1330 |
| 31-SS-C | 500 | -54400 | -100828 | -525 | | | |
| 32-SS-C | 507 | -8874 | -94086 | 221 | | | |
| 33-SS-C | 510 | -1 | -86737 | -1846 | | | |
| 34-SS-C | 520 | 0 | -79751 | 1106 | | | |
| 35-SS-C | 522 | 5191 | -97427 | -4468 | | | |
| 37-SS-C | 550 | 1137 | -111216 | 7576 | | | |
| 38-SS-C | 560 | 69 | -119461 | -2614 | | | |
| 39-FP-C | 570 | 1902 | -127846 | -1179 | 1200 | -67 | -1392 |
| 40-SS-C | 580 | 1500 | -71809 | 6340 | | | |
| 41-SS-C | 590 | 123 | -145200 | -14440 | | | |
| 43-GS-C | 615 | -10983 | -145533 | 3796 | 267 | -319 | 0 |
| 44-SS-C | 620 | -1743 | -108391 | -3269 | | | |
| 45-SS-C | 660 | -7088 | -88714 | -1093 | | | |
| 46-SS-C | 690 | -4732 | -112230 | 2746 | | | |
| 47-SS-C | 700 | -2673 | -116620 | -1872 | | | |
| 48-GS-C | 710 | -24961 | -103028 | 2556 | -2099 | 148 | -154 |
| 49-SS-C | 720 | 3486 | -141942 | -1667 | | | |
| 51-FP-C | 730 | -6979 | -180376 | 2247 | -1721 | -1279 | -664 |
| 53-SS-C | 740 | 1637 | -119781 | -541 | | | |
| 54-SS-C | 750 | -23990 | -90987 | -5373 | | | |
| 56-SS-C | 840 | 4555 | -128310 | -822 | | | |
| 57-GS-C | 850 | 2855 | -106597 | 981 | 468 | 3 | 117 |
| 58-SS-C | 910 | -164 | -148536 | 221 | | | |
| 60-SS-C | 930 | -23 | -162841 | -1599 | | | |
| 61-FP-C | 940 | 1284 | -103384 | 4074 | 1277 | 1558 | -2827 |
| 62-SS-C | 950 | -97 | -108750 | -1610 | | | |
| 63-GS-C | 970 | 3096 | -73837 | 1643 | -1 | 0 | 0 |
| 64-SS-C | 980 | 2000 | -125226 | -248 | | | |
| 65-SS-C | 1015 | 9769 | -102926 | 272 | | | |
| 66-SS-C | 1040 | -2095 | -125365 | -1909 | | | |
| 67-GS-C | 1050 | 11544 | -64306 | 204 | 0 | 0 | 0 |
| 68-FP-C | 1055 | 13433 | -120195 | 5391 | -891 | 2115 | -3897 |
| 70-SS-C | 1100 | 2325 | -91200 | -8390 | | | |
| 71-SS-C | 1102 | 3788 | -37970 | 779 | | | |
| 72-SS-C | 1105 | 10111 | -35747 | 4103 | | | |
| 73-SS-C | 1110 | 16051 | -161624 | -1642 | | | |
| 74-SS-C | 1130 | -29278 | -131378 | 4281 | | | |
| 76-SS-C | 1170 | 9776 | -125435 | -713 | | | |
| 77-GS-C | 1180 | 10895 | -100151 | 1348 | -331 | -437 | 1504 |
| 78-SS-C | 1190 | 6572 | -122154 | 687 | | | |
| 79-SS-C | 1220 | 9082 | -105062 | 169 | | | |
| 80-SS-C | 1250 | 1350 | -121055 | -1585 | | | |
| 81-GS-C | 1260 | 17094 | -102278 | 1899 | -16 | 4 | 0 |
| 82-SS-C | 1270 | -632 | -125883 | -604 | | | |
| 83-SS-C | 1280 | 16863 | -114241 | -397 | | | |
| 84-SS-C | 1290 | 7361 | -141489 | -441 | | | |
| 87-SS-C | 1310 | 15660 | -106480 | -3739 | | | |
| 88-SS-C | 1320 | 16739 | -104373 | 381 | | | |
| 90-FP-C | 1360 | 19112 | -167109 | 2016 | -2417 | 659 | -3952 |
| 92-GS-C | 1400 | -11900 | -159123 | -398 | 0 | 0 | 0 |
| 93-SS-C | 1410 | -8924 | -119291 | -252 | | | |
| 94-GS-C | 1420 | -5846 | -130555 | 44 | 0 | 0 | 0 |
| 95-SS-C | 1430 | 2150 | -130320 | -174 | | | |
| 96-GS-C | 1440 | 4626 | -119754 | 321 | 0 | 0 | -1 |
| 97-SS-C | 1450 | 1881 | -125924 | 471 | | | |
| 98-SS-C | 1480 | 3271 | -104492 | -353 | | | |
| 99-SS-C | 1510 | 1339 | -118990 | -191 | | | |
| 100-GS-C | 1520 | -1245 | -104798 | -97 | 0 | 1 | 0 |
| 101-SS-C | 1530 | -161 | -114437 | -145 | | | |
| 102-FP-C | 1540 | 227 | -88357 | 764 | -1099 | 36 | -94 |
| 103-SS-C | 1560 | -835 | -4077 | -138 | | | |
| 104-SS-C | 1570 | -1461 | -108007 | -152 | | | |
| 105-GS-C | 1580 | -235 | -147362 | -216 | -2 | 1 | 0 |
| 108-SS-C | 1590 | 561 | -178496 | -219 | | | |
| 110-GS-C | 1630 | -1884 | -144473 | 36 | 269 | -11 | 1 |
| 111-SS-C | 1670 | 668 | -122392 | 314 | | | |
| 114-SS-C | 1700 | -14188 | -123865 | 4262 | | | |
| 115-SS-C | 1705 | -13766 | -71916 | -271 | | | |

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|----------|------|--------|---------|-------|-------|-------|-------|
| 116-GS-C | 1710 | -8154 | -117718 | -674 | 3 | 41 | 0 |
| 117-SS-C | 1740 | -8977 | -101893 | -317 | | | |
| 118-GS-C | 1770 | -3612 | -122872 | 1513 | -100 | 49 | -13 |
| 119-SS-C | 1780 | -19898 | -103746 | 260 | | | |
| 120-SS-C | 1790 | -14855 | -116828 | -610 | | | |
| 121-SS-C | 1800 | -7349 | -136645 | 983 | | | |
| 123-SS-C | 1820 | -9086 | -100495 | 649 | | | |
| 124-GS-C | 1830 | -1254 | -127091 | -847 | -2125 | 111 | 113 |
| 126-FP-C | 1870 | -13501 | -180257 | 570 | 8120 | 393 | 794 |
| 128-SS-C | 1910 | -2554 | -148125 | -303 | | | |
| 129-GS-C | 1920 | -4553 | -128024 | 195 | -24 | 19 | 0 |
| 131-SS-C | 1940 | -28983 | -116848 | 5380 | | | |
| 132-SS-C | 1950 | -13451 | -134443 | 1915 | | | |
| 133-SS-C | 1980 | -762 | -100103 | -1303 | | | |
| 134-SS-C | 2010 | -9926 | -129446 | -2208 | | | |
| 136-FP-C | 2030 | 13010 | -108837 | 3551 | 1843 | 2703 | 3930 |
| 137-SS-C | 2070 | -12706 | -128043 | -778 | | | |
| 138-SS-C | 2075 | -9516 | -40873 | 1488 | | | |
| 139-SS-C | 2080 | 0 | -38609 | 83 | | | |
| 140-SS-C | 2085 | 10961 | -120931 | 2021 | | | |
| 142-SS-C | 2130 | -7065 | -90593 | 8739 | | | |
| 143-SS-C | 2140 | -12049 | -77120 | 3165 | | | |
| 145-FP-C | 2160 | -1833 | -94051 | -1528 | 2177 | 2404 | -2776 |
| 1-FP-B | 3000 | -846 | -29729 | -328 | -1815 | 1346 | -4333 |
| 1/1-SS-B | 3018 | -1588 | -92115 | 2707 | | | |
| 2-GS-B | 3030 | -5679 | -61965 | 1057 | -1 | 0 | 0 |
| 3-GS-B | 3050 | -862 | -62703 | -108 | 3 | 16 | 0 |
| 4-SS-B | 3080 | 190 | -65916 | 312 | | | |
| 5-GS-B | 3105 | -2038 | -67681 | -337 | -1 | 31 | 0 |
| 6-GS-B | 3130 | -1539 | -76434 | 287 | 0 | 0 | 0 |
| 7-SS-B | 3140 | 6427 | -89961 | -1558 | | | |
| 9-FP-B | 3160 | -1079 | -91240 | -406 | -1910 | -253 | 4693 |
| 10-SS-B | 3170 | 689 | -71699 | 168 | | | |
| 11-GS-B | 3180 | 226 | -81367 | -165 | 0 | 0 | 0 |
| 12-SS-B | 3190 | 4645 | -68156 | 544 | | | |
| 13-SS-B | 3230 | 4175 | -66422 | -240 | | | |
| 14-SS-B | 3260 | 1433 | -65877 | -302 | | | |
| 16-SS-B | 3290 | 10324 | -75534 | 1120 | | | |
| 17-SS-B | 3300 | 10694 | -76711 | -2924 | | | |
| 19-FP-B | 3330 | -10805 | -76775 | -3991 | 3805 | -1186 | 1447 |
| 20-GS-B | 3340 | -14790 | -77822 | 1242 | 64 | -6 | -5 |
| 21-SS-B | 3350 | -6439 | -70559 | -1190 | | | |
| 23-SS-B | 3390 | 328 | -70429 | 1688 | | | |
| 24-SS-B | 3420 | -8267 | -76557 | -893 | | | |
| 25-GS-B | 3440 | -5804 | -78860 | -57 | 0 | 0 | 0 |
| 26-SS-B | 3450 | -14548 | -71468 | 142 | | | |
| 27-SS-B | 3460 | -3326 | -91974 | -401 | | | |
| 29-SS-B | 3480 | -135 | -90756 | 93 | | | |
| 30-FP-B | 3490 | -5935 | -72275 | 97 | 3013 | -581 | -885 |
| 31-SS-B | 3500 | -34678 | -64282 | 291 | | | |
| 32-SS-B | 3510 | -4664 | -61649 | 251 | | | |
| 33-SS-B | 3520 | 0 | -56330 | -945 | | | |
| 34-SS-B | 3522 | 0 | -40284 | 3322 | | | |
| 35-SS-B | 3524 | 4951 | -83042 | -6386 | | | |
| 37-SS-B | 3550 | 2906 | -79509 | 7632 | | | |
| 38-SS-B | 3560 | -478 | -72613 | -4263 | | | |
| 39-FP-B | 3570 | -146 | -82136 | 1157 | -840 | 577 | -1650 |
| 40-SS-B | 3580 | 1121 | -49334 | 3350 | | | |
| 41-SS-B | 3590 | -43 | -82769 | -8496 | | | |
| 43-GS-B | 3615 | -6570 | -89547 | 1309 | 113 | -166 | 0 |
| 44-SS-B | 3620 | -1352 | -65648 | -639 | | | |
| 45-SS-B | 3660 | -4735 | -68294 | -786 | | | |
| 46-SS-B | 3690 | -4307 | -67707 | 736 | | | |
| 47-SS-B | 3700 | -3255 | -75477 | -1414 | | | |
| 48-FP-B | 3705 | -9719 | -69085 | 1848 | -3915 | -4061 | 1059 |
| 49-SS-B | 3720 | -4737 | -74992 | 1352 | | | |
| 50-SS-B | 3730 | -4895 | -73637 | -33 | | | |
| 51-SS-B | 3760 | -5325 | -54872 | 505 | | | |
| 52-SS-B | 3790 | 582 | -76830 | 163 | | | |
| 53-SS-B | 3800 | -17051 | -52228 | -551 | | | |
| 54-SS-B | 3810 | 1076 | -73779 | -4198 | | | |
| 56-SS-B | 3840 | 2629 | -84088 | -1870 | | | |
| 57-GS-B | 3850 | 2803 | -68435 | 2243 | 0 | 0 | 0 |
| 58-SS-B | 3860 | 202 | -90331 | 172 | | | |
| 60-SS-B | 3930 | 223 | -97550 | -2210 | | | |
| 61-FP-B | 3940 | -1136 | -69276 | 1236 | 624 | 3404 | -3382 |
| 62-SS-B | 3950 | 201 | -67425 | 444 | | | |

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|----------|------|--------|---------|-------|-------|-------|-------|
| 116-GS-C | 1710 | -8128 | -117756 | -127 | -2 | 41 | 0 |
| 117-SS-C | 1740 | -8977 | -101888 | -68 | | | |
| 118-GS-C | 1770 | -3598 | -123056 | 1950 | -100 | 51 | -13 |
| 119-SS-C | 1780 | -19898 | -103669 | -612 | | | |
| 120-SS-C | 1790 | -14855 | -116730 | -1016 | | | |
| 121-SS-C | 1800 | -7357 | -136728 | 1160 | | | |
| 123-SS-C | 1820 | -9095 | -100624 | 597 | | | |
| 124-GS-C | 1830 | -1550 | -126916 | 178 | -2125 | 111 | 105 |
| 126-FP-C | 1870 | -9357 | -180276 | 1488 | 8520 | -6 | 643 |
| 128-SS-C | 1910 | -2595 | -148772 | -1554 | | | |
| 129-GS-C | 1920 | -4595 | -127454 | 1289 | -3 | 14 | 0 |
| 131-SS-C | 1940 | -28983 | -116647 | 3390 | | | |
| 132-SS-C | 1950 | -13459 | -134137 | 867 | | | |
| 133-SS-C | 1980 | -762 | -100099 | -1182 | | | |
| 134-SS-C | 2010 | -9945 | -129752 | -915 | | | |
| 136-FP-C | 2030 | 12240 | -109463 | 11488 | 8240 | -5944 | 9102 |
| 137-SS-C | 2070 | -12705 | -128043 | -2367 | | | |
| 138-SS-C | 2075 | -9517 | -40873 | -800 | | | |
| 139-SS-C | 2080 | 0 | -38609 | -2012 | | | |
| 140-SS-C | 2085 | 10961 | -120931 | 895 | | | |
| 142-SS-C | 2130 | -7065 | -90494 | 8750 | | | |
| 143-SS-C | 2140 | -12049 | -77018 | 4214 | | | |
| 145-FP-C | 2160 | 2931 | -94849 | 5168 | 5393 | 4739 | -1174 |
| 1-FP-B | 3000 | -851 | -29735 | -326 | -1820 | 1341 | -4335 |
| 1/1-SS-B | 3018 | -1588 | -92115 | 2707 | | | |
| 2-GS-B | 3030 | -5679 | -61965 | 1057 | 0 | 0 | 0 |
| 3-GS-B | 3050 | -861 | -62705 | -114 | 3 | 16 | 0 |
| 4-SS-B | 3080 | 190 | -65916 | 316 | | | |
| 5-GS-B | 3105 | -2038 | -67681 | -332 | -1 | 31 | 0 |
| 6-GS-B | 3130 | -1539 | -76434 | 295 | 0 | 0 | 0 |
| 7-SS-B | 3140 | 6427 | -89971 | -1547 | | | |
| 9-FP-B | 3160 | -1127 | -91225 | -405 | -1770 | -250 | 4722 |
| 10-SS-B | 3170 | 689 | -71699 | 173 | | | |
| 11-GS-B | 3180 | 226 | -81367 | -160 | 0 | 0 | 0 |
| 12-SS-B | 3190 | 4645 | -68155 | 549 | | | |
| 13-SS-B | 3230 | 4175 | -66422 | -235 | | | |
| 14-SS-B | 3260 | 1433 | -65878 | -297 | | | |
| 16-SS-B | 3290 | 10324 | -75534 | 1130 | | | |
| 17-SS-B | 3300 | 10695 | -76739 | -2917 | | | |
| 19-FP-B | 3330 | -11191 | -76726 | -3853 | 4754 | -1582 | 1661 |
| 20-GS-B | 3340 | -14790 | -77822 | 1241 | 64 | -7 | -4 |
| 21-SS-B | 3350 | -6440 | -70602 | -1191 | | | |
| 23-SS-B | 3390 | 328 | -70429 | 1677 | | | |
| 24-SS-B | 3420 | -8266 | -76547 | -904 | | | |
| 25-GS-B | 3440 | -5804 | -78858 | -72 | 0 | 0 | 0 |
| 26-SS-B | 3450 | -14548 | -71462 | 129 | | | |
| 27-SS-B | 3460 | -3329 | -91990 | -391 | | | |
| 29-SS-B | 3480 | -130 | -90692 | 12 | | | |
| 30-FP-B | 3490 | -4508 | -72487 | 2103 | 11236 | -4939 | -1431 |
| 31-SS-B | 3500 | -34690 | -64247 | -78 | | | |
| 32-SS-B | 3510 | -4662 | -61649 | -256 | | | |
| 33-SS-B | 3520 | 0 | -56330 | -1748 | | | |
| 34-SS-B | 3522 | 0 | -40284 | 2647 | | | |
| 35-SS-B | 3524 | 4951 | -83042 | -6659 | | | |
| 37-SS-B | 3550 | 2906 | -79506 | 7797 | | | |
| 38-SS-B | 3560 | -478 | -72608 | -3330 | | | |
| 39-FP-B | 3570 | 2432 | -81901 | -349 | 554 | -340 | -1928 |
| 40-SS-B | 3580 | 1120 | -49917 | 3374 | | | |
| 41-SS-B | 3590 | -44 | -82771 | -8216 | | | |
| 43-GS-B | 3615 | -6511 | -89622 | 1437 | 84 | -175 | 0 |
| 44-SS-B | 3620 | -1355 | -65672 | -1272 | | | |
| 45-SS-B | 3660 | -4745 | -68338 | -850 | | | |
| 46-SS-B | 3690 | -4309 | -67566 | 752 | | | |
| 47-SS-B | 3700 | -3227 | -74994 | -1224 | | | |
| 48-FP-B | 3705 | -5388 | -70018 | 4672 | -5121 | -7284 | 10 |
| 49-SS-B | 3720 | -4727 | -74883 | -941 | | | |
| 50-SS-B | 3730 | -4902 | -73677 | -1375 | | | |
| 51-SS-B | 3760 | -5325 | -54867 | 78 | | | |
| 52-SS-B | 3790 | 580 | -76741 | -338 | | | |
| 53-SS-B | 3800 | -17051 | -52087 | -626 | | | |
| 54-SS-B | 3810 | 1078 | -73704 | -3276 | | | |
| 56-SS-B | 3840 | 2629 | -84098 | -401 | | | |
| 57-GS-B | 3850 | 1420 | -68966 | 772 | 0 | 0 | 0 |
| 58-SS-B | 3860 | 201 | -90342 | 187 | | | |
| 60-SS-B | 3930 | 221 | -97160 | -1248 | | | |
| 61-FP-B | 3940 | 1135 | -69332 | 6139 | 276 | 7262 | -3438 |
| 62-SS-B | 3950 | 201 | -67603 | -1483 | | | |

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|----------|------|--------|---------|--------|-------|-------|-------|
| 63-GS-B | 3970 | 1284 | -50846 | 716 | 0 | 0 | 0 |
| 64-SS-B | 3980 | 2455 | -72983 | 175 | | | |
| 65-SS-B | 4010 | 5280 | -78237 | 149 | | | |
| 66-SS-B | 4040 | 815 | -73841 | -765 | | | |
| 67-GS-B | 4050 | 6431 | -40525 | -3913 | 0 | 0 | 0 |
| 68-FP-B | 4055 | 1623 | -86651 | 7698 | 831 | -3962 | -7813 |
| 70-SS-B | 4100 | -20 | -66947 | -5143 | | | |
| 71-SS-B | 4105 | -1357 | -20972 | 2218 | | | |
| 72-SS-B | 4110 | -3 | -17016 | 1523 | | | |
| 73-SS-B | 4115 | 19482 | -111809 | -1950 | | | |
| 74-SS-B | 4150 | -17273 | -79070 | 1392 | | | |
| 76-SS-B | 4170 | 7233 | -75880 | 175 | | | |
| 77-GS-B | 4180 | 807 | -68156 | 617 | -1068 | -826 | 2097 |
| 78-SS-B | 4190 | 5173 | -70719 | 741 | | | |
| 79-SS-B | 4220 | 4783 | -79036 | 143 | | | |
| 80-SS-B | 4250 | 4025 | -70588 | -448 | | | |
| 81-GS-B | 4260 | 6988 | -68359 | 87 | 0 | -1 | 0 |
| 82-SS-B | 4270 | 3144 | -79367 | -486 | | | |
| 83-FP-B | 4280 | 5224 | -73377 | 411 | -4576 | -257 | 671 |
| 84-GS-B | 4290 | 3792 | -87542 | 147 | -1 | 5 | 0 |
| 87-SS-B | 4310 | 534 | -70640 | 90 | | | |
| 88-SS-B | 4320 | 8318 | -51794 | -118 | | | |
| 89-SS-B | 4330 | 2044 | -63320 | 501 | | | |
| 90-SS-B | 4360 | 3503 | -59250 | -624 | | | |
| 91-SS-B | 4390 | 3807 | -74372 | -5 | | | |
| 92-GS-B | 4400 | 982 | -84474 | 41 | 0 | 0 | 0 |
| 93-SS-B | 4410 | 2335 | -81268 | -23 | | | |
| 94-FP-B | 4420 | 1345 | -81865 | 122 | -3896 | -111 | 115 |
| 95-GS-B | 4430 | 1715 | -82623 | 90 | 0 | 0 | 0 |
| 96-SS-B | 4440 | 1885 | -78841 | -44 | | | |
| 97-SS-B | 4450 | 2198 | -74410 | 212 | | | |
| 98-SS-B | 4480 | 1755 | -78790 | -286 | | | |
| 99-SS-B | 4510 | 763 | -69095 | 98 | | | |
| 100-GS-B | 4520 | -405 | -69976 | -126 | 0 | 0 | 0 |
| 101-SS-B | 4530 | -230 | -72278 | -108 | | | |
| 102-FP-B | 4540 | -492 | -56460 | 117 | -3270 | -35 | -216 |
| 103-SS-B | 4560 | -609 | -64283 | 93 | | | |
| 104-SS-B | 4580 | -327 | -73505 | 32 | | | |
| 105-GS-B | 4590 | -177 | -79384 | 67 | 126 | -1 | -2 |
| 106-SS-B | 4600 | -595 | -71217 | -364 | | | |
| 107-SS-B | 4630 | -2573 | -58124 | 28 | | | |
| 109-SS-B | 4660 | -2596 | -72324 | 264 | | | |
| 110-GS-B | 4670 | 1606 | -76718 | -316 | 0 | 0 | 0 |
| 111-FP-B | 4680 | -1999 | -83603 | 379 | -2141 | 45 | -2305 |
| 114-SS-B | 4700 | -7177 | -80395 | 2894 | | | |
| 115-SS-B | 4705 | -9274 | -48513 | -113 | | | |
| 116-GS-B | 4710 | -5876 | -67318 | -52 | 20 | 45 | 0 |
| 117-SS-B | 4740 | -6734 | -78091 | 46 | | | |
| 118-GS-B | 4770 | -5917 | -70860 | 187 | -59 | 37 | -4 |
| 119-SS-B | 4780 | -8916 | -69111 | -639 | | | |
| 120-FP-B | 4790 | -7005 | -75586 | 341 | 1895 | 91 | 1360 |
| 121-SS-B | 4800 | -7850 | -83459 | 1134 | | | |
| 123-SS-B | 4820 | 370 | -67694 | 330 | | | |
| 124-GS-B | 4830 | -6198 | -64444 | 383 | 0 | 1 | 0 |
| 125-SS-B | 4840 | -1683 | -75149 | 42 | | | |
| 126-SS-B | 4870 | -3722 | -57166 | 82 | | | |
| 127-SS-B | 4900 | -4686 | -71857 | 321 | | | |
| 128-SS-B | 4910 | 672 | -80253 | -897 | | | |
| 129-FP-B | 4920 | -6915 | -86026 | 569 | 1252 | -583 | -514 |
| 131-SS-B | 4940 | -15741 | -78508 | 4242 | | | |
| 132-SS-B | 4950 | -11286 | -78771 | 842 | | | |
| 133-SS-B | 4980 | -811 | -76657 | -956 | | | |
| 134-SS-B | 5010 | -7745 | -74465 | -1445 | | | |
| 136-FP-B | 5030 | 6330 | -64846 | 4041 | 193 | 3012 | 3568 |
| 137-SS-B | 5070 | -8804 | -89817 | -1215 | | | |
| 138-SS-B | 5075 | -4074 | -21795 | 1337 | | | |
| 139-SS-B | 5080 | 0 | -20909 | 783 | | | |
| 140-SS-B | 5085 | 6604 | -84617 | -43 | | | |
| 142-SS-B | 5130 | -4943 | -65517 | 6150 | | | |
| 143-SS-B | 5140 | -7044 | -42579 | 545 | | | |
| 145-FP-B | 5160 | -1232 | -61601 | 646 | 206 | 3404 | -4997 |
| 1-FP-A | 9000 | -1891 | -43794 | -5081 | -2993 | 413 | -6301 |
| 1/1-SS-A | 9018 | 4248 | -113318 | 8245 | | | |
| 2-GS-A | 9030 | -695 | -80324 | -17964 | -13 | -1 | 0 |
| 3-GS-A | 9050 | -749 | -55067 | 6207 | -22 | 8 | 0 |
| 4-SS-A | 9080 | -540 | -74992 | -4222 | | | |
| 5-GS-A | 9105 | -1862 | -61622 | 2129 | 18 | 33 | 0 |

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|----------|------|--------|---------|--------|-------|-------|-------|
| 63-GS-B | 3970 | 2067 | -50623 | 720 | 0 | 0 | 0 |
| 64-SS-B | 3980 | 2448 | -72998 | -932 | | | |
| 65-SS-B | 4010 | 5280 | -78265 | -1 | | | |
| 66-SS-B | 4040 | 815 | -73928 | -688 | | | |
| 67-GS-B | 4050 | 7066 | -37646 | 415 | 0 | 0 | 0 |
| 68-FP-B | 4055 | 8009 | -89141 | 4599 | -2762 | 885 | -9617 |
| 70-SS-B | 4100 | -20 | -66947 | -6284 | | | |
| 71-SS-B | 4105 | -1370 | -20298 | 1944 | | | |
| 72-SS-B | 4110 | -7 | -16791 | 2125 | | | |
| 73-SS-B | 4115 | 19482 | -111809 | -1103 | | | |
| 74-SS-B | 4150 | -17363 | -78808 | 4125 | | | |
| 76-SS-B | 4170 | 7232 | -75970 | -547 | | | |
| 77-GS-B | 4180 | 5971 | -68313 | 1475 | -3096 | -453 | 1719 |
| 78-SS-B | 4190 | 5173 | -70774 | -18 | | | |
| 79-SS-B | 4220 | 4794 | -79111 | -138 | | | |
| 80-SS-B | 4250 | 4025 | -70615 | -445 | | | |
| 81-GS-B | 4260 | 6937 | -68234 | 355 | 1 | -2 | 0 |
| 82-SS-B | 4270 | 3148 | -79479 | -444 | | | |
| 83-FP-B | 4280 | 6214 | -73280 | 1002 | -4784 | -688 | 739 |
| 84-GS-B | 4290 | 3791 | -87561 | -277 | -3 | 5 | 0 |
| 87-SS-B | 4310 | 534 | -70622 | -102 | | | |
| 88-SS-B | 4320 | 8318 | -51807 | -346 | | | |
| 89-SS-B | 4330 | 2044 | -63331 | 424 | | | |
| 90-SS-B | 4360 | 3503 | -59251 | -546 | | | |
| 91-SS-B | 4390 | 3806 | -74347 | -10 | | | |
| 92-GS-B | 4400 | 743 | -84420 | 818 | 0 | 0 | 0 |
| 93-SS-B | 4410 | 2336 | -81312 | -225 | | | |
| 94-FP-B | 4420 | 1647 | -81854 | 52 | -3874 | -477 | 111 |
| 95-GS-B | 4430 | 1715 | -82626 | -173 | 0 | 0 | 0 |
| 96-SS-B | 4440 | 1779 | -78839 | 119 | | | |
| 97-SS-B | 4450 | 2198 | -74408 | 124 | | | |
| 98-SS-B | 4480 | 1756 | -78792 | -292 | | | |
| 99-SS-B | 4510 | 763 | -69087 | 84 | | | |
| 100-GS-B | 4520 | -374 | -69978 | -59 | 0 | 0 | 0 |
| 101-SS-B | 4530 | -230 | -72273 | -111 | | | |
| 102-FP-B | 4540 | -239 | -56468 | 489 | -3285 | 201 | -222 |
| 103-SS-B | 4560 | -609 | -64282 | -113 | | | |
| 104-SS-B | 4580 | -327 | -73504 | -154 | | | |
| 105-GS-B | 4590 | -303 | -79385 | 199 | 126 | -1 | -2 |
| 106-SS-B | 4600 | -595 | -71217 | -431 | | | |
| 107-SS-B | 4630 | -2573 | -58131 | 51 | | | |
| 109-SS-B | 4660 | -2596 | -72322 | 236 | | | |
| 110-GS-B | 4670 | 1606 | -76710 | -381 | 0 | 0 | 0 |
| 111-FP-B | 4680 | -1454 | -83619 | 916 | -2242 | 305 | -2316 |
| 114-SS-B | 4700 | -7177 | -80381 | 2602 | | | |
| 115-SS-B | 4705 | -9276 | -48504 | -288 | | | |
| 116-GS-B | 4710 | -5911 | -67367 | -200 | 20 | 46 | 0 |
| 117-SS-B | 4740 | -6735 | -78091 | -63 | | | |
| 118-GS-B | 4770 | -5845 | -70922 | 393 | -59 | 38 | -4 |
| 119-SS-B | 4780 | -8919 | -69076 | -472 | | | |
| 120-FP-B | 4790 | -6643 | -75614 | 603 | 1734 | 433 | 1385 |
| 121-SS-B | 4800 | -7856 | -83462 | 624 | | | |
| 123-SS-B | 4820 | 367 | -67695 | 265 | | | |
| 124-GS-B | 4830 | -6716 | -64545 | 2071 | 0 | 1 | 0 |
| 125-SS-B | 4840 | -1683 | -75113 | -821 | | | |
| 126-SS-B | 4870 | -3722 | -57162 | -189 | | | |
| 127-SS-B | 4900 | -4687 | -71818 | -87 | | | |
| 128-SS-B | 4910 | 662 | -80370 | -1308 | | | |
| 129-FP-B | 4920 | -1909 | -86161 | 2967 | 2028 | 2356 | -758 |
| 131-SS-B | 4940 | -15741 | -78331 | 2521 | | | |
| 132-SS-B | 4950 | -11287 | -78510 | -66 | | | |
| 133-SS-B | 4980 | -811 | -76650 | -786 | | | |
| 134-SS-B | 5010 | -7745 | -74541 | -199 | | | |
| 136-FP-B | 5030 | 5804 | -65405 | 9896 | 7821 | -9407 | 9122 |
| 137-SS-B | 5070 | -8802 | -89817 | -2510 | | | |
| 138-SS-B | 5075 | -4075 | -21795 | -489 | | | |
| 139-SS-B | 5080 | 0 | -20909 | -881 | | | |
| 140-SS-B | 5085 | 6604 | -84617 | -940 | | | |
| 142-SS-B | 5130 | -4943 | -65421 | 6257 | | | |
| 143-SS-B | 5140 | -7044 | -42492 | 1573 | | | |
| 145-FP-B | 5160 | 2619 | -62185 | 5945 | 5400 | 3327 | -4194 |
| 1-FP-A | 9000 | -1711 | -43531 | -4323 | -3790 | -2732 | -6120 |
| 1/1-SS-A | 9018 | 4248 | -113318 | 8245 | | | |
| 2-GS-A | 9030 | -448 | -80303 | -17999 | -14 | -1 | 0 |
| 3-GS-A | 9050 | -1003 | -55082 | 6211 | -21 | 8 | 0 |
| 4-SS-A | 9080 | -540 | -74992 | -4222 | | | |
| 5-GS-A | 9105 | -1862 | -61622 | 2131 | 18 | 34 | 0 |

| | | | | | | | |
|---------|-------|--------|---------|-------|-------|-------|--------|
| 6-GS-A | 9130 | -748 | -79488 | -261 | 0 | 0 | 0 |
| 7-SS-A | 9140 | -1849 | -87248 | 300 | | | |
| 9-FP-A | 9160 | 699 | -89493 | -39 | -2965 | 73 | 3923 |
| 10-SS-A | 9170 | 6453 | -71738 | 67 | | | |
| 11-GS-A | 9180 | -1189 | -83521 | -89 | 0 | 0 | 0 |
| 12-SS-A | 9190 | 6161 | -62452 | 198 | | | |
| 13-SS-A | 9230 | 3665 | -74542 | 82 | | | |
| 14-SS-A | 9260 | 2128 | -58331 | -334 | | | |
| 16-SS-A | 9290 | 9107 | -76761 | 876 | | | |
| 17-SS-A | 9300 | 10616 | -75203 | -2516 | | | |
| 19-FP-A | 9330 | -10805 | -76775 | -3991 | 3805 | -1186 | 1447 |
| 20-GS-A | 9340 | -14790 | -77822 | 1242 | 64 | -6 | -5 |
| 21-SS-A | 9350 | -6439 | -70559 | -1190 | | | |
| 23-SS-A | 9390 | 328 | -70429 | 1688 | | | |
| 24-SS-A | 9420 | -8267 | -76557 | -893 | | | |
| 25-GS-A | 9440 | -5804 | -78860 | -57 | 0 | 0 | 0 |
| 26-SS-A | 9450 | -14548 | -71468 | 142 | | | |
| 27-SS-A | 9460 | -3326 | -91974 | -401 | | | |
| 29-SS-A | 9480 | -135 | -90756 | 93 | | | |
| 30-FP-A | 9490 | -5935 | -72275 | 97 | 3013 | -581 | -885 |
| 31-SS-A | 9500 | -34678 | -64282 | 291 | | | |
| 32-SS-A | 9510 | -4664 | -61649 | 251 | | | |
| 33-SS-A | 9515 | 0 | -58835 | -1382 | | | |
| 34-SS-A | 9520 | 0 | -28437 | 5925 | | | |
| 35-SS-A | 9522 | 6225 | -102669 | -9730 | | | |
| 37-SS-A | 9550 | 4710 | -90251 | 10008 | | | |
| 38-SS-A | 9560 | -926 | -67921 | -6194 | | | |
| 39-FP-A | 9570 | -187 | -82650 | 2648 | -3840 | 761 | -1111 |
| 40-SS-A | 9580 | 1082 | -53914 | 1774 | | | |
| 41-SS-A | 9590 | -208 | -72712 | -7611 | | | |
| 43-GS-A | 9615 | -6092 | -87675 | 1477 | 90 | -138 | 0 |
| 44-SS-A | 9620 | -1693 | -60542 | -502 | | | |
| 45-SS-A | 9660 | -5052 | -76243 | -1126 | | | |
| 46-SS-A | 9690 | -3627 | -61496 | 769 | | | |
| 47-SS-A | 9700 | 2273 | -78520 | -876 | | | |
| 48-FP-A | 9710 | -7171 | -66721 | 3115 | -6400 | -4010 | 1337 |
| 49-SS-A | 9720 | -27838 | -80375 | -651 | | | |
| 50-SS-A | 9730 | 8520 | -61497 | -781 | | | |
| 51-SS-A | 9770 | -4127 | -71404 | 82 | | | |
| 52-SS-A | 9795 | -2857 | -64967 | -475 | | | |
| 53-SS-A | 9800 | -16095 | -53299 | 34 | | | |
| 54-SS-A | 9810 | 3062 | -79991 | -3267 | | | |
| 56-SS-A | 9840 | 2591 | -86755 | -2495 | | | |
| 57-GS-A | 9850 | 2777 | -68702 | 3565 | 283 | 2 | 61 |
| 58-SS-A | 9910 | 257 | -87170 | -1823 | | | |
| 60-SS-A | 9930 | 299 | -91390 | -610 | | | |
| 61-FP-A | 9940 | -1102 | -72740 | 3361 | -2117 | 3390 | -2549 |
| 62-SS-A | 9950 | 398 | -65275 | -763 | | | |
| 63-GS-A | 9970 | 710 | -55536 | 340 | 0 | 0 | 0 |
| 64-SS-A | 9980 | 3278 | -64654 | -752 | | | |
| 65-SS-A | 10010 | 4797 | -88079 | 312 | | | |
| 66-SS-A | 10040 | 3347 | -66255 | -214 | | | |
| 67-GS-A | 10050 | 4300 | -39841 | -4349 | 0 | 0 | 0 |
| 68-FP-A | 10055 | 3701 | -93996 | 11190 | 822 | -4589 | -11048 |
| 70-SS-A | 10100 | -92 | -77468 | -8620 | | | |
| 71-SS-A | 10105 | 3 | -14345 | 546 | | | |
| 72-SS-A | 10110 | 1 | -16818 | 795 | | | |
| 73-SS-A | 10115 | 17825 | -114791 | -1240 | | | |
| 74-SS-A | 10150 | -16312 | -72248 | 1989 | | | |
| 76-SS-A | 10170 | 5082 | -72550 | -1736 | | | |
| 77-GS-A | 10180 | 460 | -72921 | 861 | -4877 | -514 | 1466 |
| 78-SS-A | 10190 | 6405 | -62318 | -180 | | | |
| 79-SS-A | 10220 | 4190 | -88905 | -235 | | | |
| 80-SS-A | 10250 | 7196 | -62513 | -269 | | | |
| 81-GS-A | 10260 | 3653 | -72160 | 316 | 0 | -5 | 0 |
| 82-SS-A | 10270 | 3947 | -78464 | -438 | | | |
| 83-FP-A | 10280 | 4966 | -74046 | 861 | -6161 | -248 | 597 |
| 84-GS-A | 10290 | 1619 | -86085 | -230 | 0 | 0 | 0 |
| 87-SS-A | 10310 | 3612 | -66849 | 1208 | | | |
| 88-SS-A | 10320 | 5419 | -56825 | -286 | | | |
| 89-SS-A | 10330 | 3817 | -55014 | 659 | | | |
| 90-SS-A | 10360 | 4034 | -69391 | -650 | | | |
| 91-SS-A | 10390 | 4289 | -67068 | 85 | | | |
| 92-GS-A | 10400 | -27 | -87260 | 172 | 0 | 0 | 0 |
| 93-SS-A | 10410 | 2604 | -80501 | -62 | | | |
| 94-FP-A | 10420 | 1385 | -82249 | 143 | -5546 | -74 | 110 |
| 95-GS-A | 10430 | 2032 | -81800 | -36 | 0 | 0 | 0 |

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|---------|-------|--------|---------|--------|-------|-------|--------|
| 6-GS-A | 9130 | -748 | -79488 | -259 | 0 | 0 | 0 |
| 7-SS-A | 9140 | -1849 | -87264 | 303 | | | |
| 9-FP-A | 9160 | 659 | -89474 | -49 | -2820 | 95 | 3950 |
| 10-SS-A | 9170 | 6453 | -71739 | 69 | | | |
| 11-GS-A | 9180 | -1189 | -83521 | -89 | 0 | 0 | 0 |
| 12-SS-A | 9190 | 6161 | -62452 | 198 | | | |
| 13-SS-A | 9230 | 3665 | -74542 | 82 | | | |
| 14-SS-A | 9260 | 2128 | -58331 | -334 | | | |
| 16-SS-A | 9290 | 9107 | -76760 | 876 | | | |
| 17-SS-A | 9300 | 10616 | -75234 | -2519 | | | |
| 19-FP-A | 9330 | -11191 | -76726 | -3853 | 4754 | -1582 | 1661 |
| 20-GS-A | 9340 | -14790 | -77822 | 1241 | 64 | -7 | -4 |
| 21-SS-A | 9350 | -6440 | -70602 | -1191 | | | |
| 23-SS-A | 9390 | 328 | -70429 | 1677 | | | |
| 24-SS-A | 9420 | -8266 | -76547 | -904 | | | |
| 25-GS-A | 9440 | -5804 | -78858 | -72 | 0 | 0 | 0 |
| 26-SS-A | 9450 | -14548 | -71462 | 129 | | | |
| 27-SS-A | 9460 | -3329 | -91990 | -391 | | | |
| 29-SS-A | 9480 | -130 | -90692 | 12 | | | |
| 30-FP-A | 9490 | -4508 | -72487 | 2103 | 11236 | -4939 | -1431 |
| 31-SS-A | 9500 | -34690 | -64247 | -78 | | | |
| 32-SS-A | 9510 | -4662 | -61649 | -256 | | | |
| 33-SS-A | 9515 | 0 | -58835 | -2122 | | | |
| 34-SS-A | 9520 | 0 | -28437 | 5184 | | | |
| 35-SS-A | 9522 | 6225 | -102669 | -10252 | | | |
| 37-SS-A | 9550 | 4710 | -90246 | 10645 | | | |
| 38-SS-A | 9560 | -926 | -67917 | -5354 | | | |
| 39-FP-A | 9570 | 2464 | -82410 | 284 | -2390 | -340 | -1384 |
| 40-SS-A | 9580 | 1079 | -54507 | 2550 | | | |
| 41-SS-A | 9590 | -208 | -72710 | -7211 | | | |
| 43-GS-A | 9615 | -6026 | -87752 | 1022 | 62 | -148 | 0 |
| 44-SS-A | 9620 | -1696 | -60565 | -667 | | | |
| 45-SS-A | 9660 | -5059 | -76286 | -1171 | | | |
| 46-SS-A | 9690 | -3628 | -61365 | 600 | | | |
| 47-SS-A | 9700 | 2300 | -78040 | -1188 | | | |
| 48-FP-A | 9710 | -2859 | -67645 | 4751 | -7818 | -7224 | 293 |
| 49-SS-A | 9720 | -27843 | -80304 | -1027 | | | |
| 50-SS-A | 9730 | 8504 | -61604 | -961 | | | |
| 51-SS-A | 9770 | -4127 | -71386 | 16 | | | |
| 52-SS-A | 9795 | -2855 | -64866 | -733 | | | |
| 53-SS-A | 9800 | -16095 | -53156 | -380 | | | |
| 54-SS-A | 9810 | 3061 | -79909 | -3500 | | | |
| 56-SS-A | 9840 | 2591 | -86766 | -469 | | | |
| 57-GS-A | 9850 | 1369 | -69252 | 738 | 313 | 2 | 64 |
| 58-SS-A | 9910 | 257 | -87180 | 179 | | | |
| 60-SS-A | 9930 | 296 | -90990 | -1193 | | | |
| 61-FP-A | 9940 | 1110 | -72782 | 6247 | -2379 | 7292 | -2611 |
| 62-SS-A | 9950 | 397 | -65468 | -1521 | | | |
| 63-GS-A | 9970 | 1507 | -55296 | 845 | 0 | 0 | 0 |
| 64-SS-A | 9980 | 3267 | -64660 | -1150 | | | |
| 65-SS-A | 10010 | 4797 | -88111 | 103 | | | |
| 66-SS-A | 10040 | 3342 | -66286 | -533 | | | |
| 67-GS-A | 10050 | 4776 | -37156 | -874 | 0 | 0 | 0 |
| 68-FP-A | 10055 | 10212 | -95978 | 6756 | -3877 | 168 | -12705 |
| 70-SS-A | 10100 | -92 | -77468 | -7312 | | | |
| 71-SS-A | 10105 | -7 | -13842 | 1824 | | | |
| 72-SS-A | 10110 | -4 | -16509 | 2092 | | | |
| 73-SS-A | 10115 | 17825 | -114791 | -558 | | | |
| 74-SS-A | 10150 | -16433 | -71988 | 2699 | | | |
| 76-SS-A | 10170 | 5082 | -72624 | -1736 | | | |
| 77-GS-A | 10180 | 5610 | -73131 | 1825 | -6903 | -395 | 1104 |
| 78-SS-A | 10190 | 6403 | -62361 | -181 | | | |
| 79-SS-A | 10220 | 4196 | -88985 | -228 | | | |
| 80-SS-A | 10250 | 7194 | -62526 | -270 | | | |
| 81-GS-A | 10260 | 3450 | -72031 | 352 | 1 | -5 | 0 |
| 82-SS-A | 10270 | 3952 | -78577 | -432 | | | |
| 83-FP-A | 10280 | 6105 | -73952 | 987 | -6358 | -698 | 661 |
| 84-GS-A | 10290 | 1618 | -86101 | -232 | 0 | 0 | 0 |
| 87-SS-A | 10310 | 3612 | -66837 | 1108 | | | |
| 88-SS-A | 10320 | 5419 | -56833 | -459 | | | |
| 89-SS-A | 10330 | 3817 | -55023 | 573 | | | |
| 90-SS-A | 10360 | 4034 | -69394 | -672 | | | |
| 91-SS-A | 10390 | 4287 | -67045 | -13 | | | |
| 92-GS-A | 10400 | -254 | -87207 | 777 | 0 | 0 | 0 |
| 93-SS-A | 10410 | 2605 | -80544 | -216 | | | |
| 94-FP-A | 10420 | 1667 | -82238 | 68 | -5521 | -458 | 107 |
| 95-GS-A | 10430 | 2033 | -81803 | -167 | 0 | 0 | 0 |

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|----------|-------|--------|--------|-------|-------|------|-------|
| 96-SS-A | 10440 | 694 | -82171 | -110 | | | |
| 97-SS-A | 10450 | 3254 | -66776 | 181 | | | |
| 98-SS-A | 10480 | 1586 | -88638 | -332 | | | |
| 99-SS-A | 10510 | 660 | -61042 | 212 | | | |
| 100-GS-A | 10520 | -74 | -73735 | -101 | 0 | 1 | 0 |
| 101-SS-A | 10530 | -320 | -71451 | -15 | | | |
| 102-FP-A | 10540 | -487 | -56653 | 222 | -4953 | -44 | -155 |
| 103-SS-A | 10560 | -581 | -64458 | -29 | | | |
| 104-SS-A | 10580 | -410 | -72742 | -45 | | | |
| 105-GS-A | 10590 | 70 | -82281 | -13 | 135 | -1 | -1 |
| 106-SS-A | 10600 | -902 | -63779 | -273 | | | |
| 107-SS-A | 10630 | -2047 | -68371 | 231 | | | |
| 109-SS-A | 10660 | -3885 | -65008 | 27 | | | |
| 110-GS-A | 10670 | 2918 | -79017 | -216 | 0 | 0 | 0 |
| 111-FP-A | 10680 | -1926 | -84867 | 508 | -4128 | 1 | -3257 |
| 114-SS-A | 10700 | -5098 | -83273 | 2884 | | | |
| 115-SS-A | 10705 | -9869 | -51667 | -424 | | | |
| 116-GS-A | 10710 | -7272 | -58649 | -62 | 39 | 102 | 0 |
| 117-SS-A | 10740 | -7543 | -87860 | -67 | | | |
| 118-GS-A | 10770 | -9297 | -62814 | 239 | -43 | 83 | -5 |
| 119-SS-A | 10780 | -4514 | -72752 | -502 | | | |
| 120-FP-A | 10790 | -7083 | -75586 | 854 | -950 | 104 | 917 |
| 121-SS-A | 10800 | -9111 | -81900 | 734 | | | |
| 123-SS-A | 10820 | -791 | -64365 | 624 | | | |
| 124-GS-A | 10830 | -2509 | -68857 | 853 | 0 | 0 | 0 |
| 125-SS-A | 10840 | -3354 | -67234 | -488 | | | |
| 126-SS-A | 10870 | -4175 | -67406 | -188 | | | |
| 127-SS-A | 10900 | -5844 | -64802 | 211 | | | |
| 128-SS-A | 10910 | 2972 | -82285 | -677 | | | |
| 129-FP-A | 10920 | -6412 | -88195 | 1243 | 744 | -299 | -1771 |
| 131-SS-A | 10940 | -11669 | -84301 | 2963 | | | |
| 132-SS-A | 10950 | -16196 | -71370 | -786 | | | |
| 133-SS-A | 10980 | -862 | -86120 | -721 | | | |
| 134-SS-A | 11010 | -9612 | -65150 | -586 | | | |
| 136-FP-A | 11030 | 8094 | -59022 | 8930 | -2152 | 1452 | 1560 |
| 137-SS-A | 11070 | -8948 | -93822 | -2909 | | | |
| 138-SS-A | 11075 | -1433 | -20898 | 1367 | | | |
| 139-SS-A | 11080 | -1778 | -19939 | 744 | | | |
| 140-SS-A | 11085 | 4486 | -86909 | -901 | | | |
| 142-SS-A | 11130 | -5308 | -70481 | 6072 | | | |
| 143-SS-A | 11140 | -6192 | -37217 | 690 | | | |
| 145-FP-A | 11160 | -1201 | -62435 | -130 | -1147 | 3168 | 1059 |
| 1CH-SS-B | 12520 | -1191 | -40253 | -197 | | | |
| 2CH-SS-B | 12530 | 930 | -34429 | 388 | | | |
| 3CH-SS-B | 12550 | -786 | -49672 | 4237 | | | |
| 1CH-SS-A | 12750 | 904 | -51199 | -533 | | | |
| 2CH-SS-A | 12760 | 1670 | -18236 | 948 | | | |
| 3CH-SS-A | 12780 | -1441 | -58568 | 4406 | | | |

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|----------|-------|--------|--------|-------|-------|--------|-------|
| 96-SS-A | 10440 | 595 | -82168 | 106 | | | |
| 97-SS-A | 10450 | 3253 | -66777 | 126 | | | |
| 98-SS-A | 10480 | 1587 | -88640 | -354 | | | |
| 99-SS-A | 10510 | 660 | -61033 | 171 | | | |
| 100-GS-A | 10520 | -49 | -73736 | -100 | 0 | 1 | 0 |
| 101-SS-A | 10530 | -320 | -71446 | -98 | | | |
| 102-FP-A | 10540 | -239 | -56661 | 487 | -4969 | 203 | -161 |
| 103-SS-A | 10560 | -581 | -64457 | -109 | | | |
| 104-SS-A | 10580 | -410 | -72741 | -139 | | | |
| 105-GS-A | 10590 | -47 | -82281 | 146 | 135 | -1 | -1 |
| 106-SS-A | 10600 | -902 | -63779 | -326 | | | |
| 107-SS-A | 10630 | -2048 | -68377 | 221 | | | |
| 109-SS-A | 10660 | -3885 | -65007 | -36 | | | |
| 110-GS-A | 10670 | 2918 | -79011 | -344 | 0 | 0 | 0 |
| 111-FP-A | 10680 | -1393 | -84881 | 903 | -4232 | 275 | -3271 |
| 114-SS-A | 10700 | -5099 | -83264 | 2897 | | | |
| 115-SS-A | 10705 | -9870 | -51661 | -402 | | | |
| 116-GS-A | 10710 | -7299 | -58694 | -165 | 36 | 104 | 0 |
| 117-SS-A | 10740 | -7544 | -87862 | -55 | | | |
| 118-GS-A | 10770 | -9237 | -62874 | 350 | -43 | 84 | -4 |
| 119-SS-A | 10780 | -4517 | -72721 | -455 | | | |
| 120-FP-A | 10790 | -6695 | -75614 | 623 | -1143 | 414 | 942 |
| 121-SS-A | 10800 | -9116 | -81907 | 785 | | | |
| 123-SS-A | 10820 | -794 | -64358 | 315 | | | |
| 124-GS-A | 10830 | -3002 | -68961 | 1959 | -1 | 0 | 0 |
| 125-SS-A | 10840 | -3353 | -67202 | -754 | | | |
| 126-SS-A | 10870 | -4175 | -67396 | -249 | | | |
| 127-SS-A | 10900 | -5844 | -64763 | -82 | | | |
| 128-SS-A | 10910 | 2962 | -82390 | -1264 | | | |
| 129-FP-A | 10920 | -1440 | -88328 | 2998 | 1431 | 2082 | -2016 |
| 131-SS-A | 10940 | -11669 | -84240 | 3731 | | | |
| 132-SS-A | 10950 | -16194 | -71264 | 3 | | | |
| 133-SS-A | 10980 | -1671 | -86038 | -619 | | | |
| 134-SS-A | 11010 | -10336 | -65084 | -224 | | | |
| 136-FP-A | 11030 | 13729 | -59851 | 4407 | -2079 | -21564 | 633 |
| 137-SS-A | 11070 | -9072 | -94100 | -4835 | | | |
| 138-SS-A | 11075 | -1432 | -20898 | 1526 | | | |
| 139-SS-A | 11080 | -1778 | -19939 | 902 | | | |
| 140-SS-A | 11085 | 4486 | -86909 | -821 | | | |
| 142-SS-A | 11130 | -7221 | -70050 | 10441 | | | |
| 143-SS-A | 11140 | -6192 | -37197 | 1549 | | | |
| 145-FP-A | 11160 | 2567 | -63015 | 5074 | 3926 | 2651 | -4510 |
| 1CH-SS-B | 12520 | -1190 | -40371 | -196 | | | |
| 2CH-SS-B | 12530 | 929 | -34429 | 387 | | | |
| 3CH-SS-B | 12550 | -786 | -49672 | 4237 | | | |
| 1CH-SS-A | 12750 | 904 | -51199 | -533 | | | |
| 2CH-SS-A | 12760 | 1670 | -18236 | 948 | | | |
| 3CH-SS-A | 12780 | -1441 | -58568 | 4406 | | | |

| Statické zatížení (náplň + tlak) + vítr 4 | | | | | | | |
|---|------|-----------|-----------|-----------|------------|------------|------------|
| Č. uložení | Node | fx (N) | fy (N) | fz (N) | mx (Nm) | my (Nm) | mz (Nm) |
| 1/1-SS-C | 20 | -3508 | -123854 | 5997 | | | |
| 3-GS-C | 50 | 197 | -125828 | -3613 | 15 | -7 | 0 |
| 4-SS-C | 80 | 566 | -85636 | 215 | | | |
| 5-GS-C | 110 | -2857 | -113714 | -571 | 0 | 129 | 0 |
| 6-GS-C | 130 | -4000 | -115870 | 2 | 0 | 0 | 0 |
| 7-SS-C | 140 | -612 | -145172 | 183 | | | |
| 9-SS-C | 160 | 211 | -146297 | 537 | | | |
| 10-SS-C | 170 | 15380 | -104271 | -343 | | | |
| 11-GS-C | 180 | 1370 | -151432 | 122 | 0 | 0 | 0 |
| 13-FP-C | 230 | 7016 | -177377 | -238 | 12560 | 355 | 603 |
| 16-SS-C | 290 | 21184 | -145356 | 2107 | | | |
| 17-SS-C | 300 | 15245 | -114909 | -5909 | | | |
| 19-SS-C | 330 | -23120 | -130350 | -7587 | | | |
| 20-GS-C | 340 | -22571 | -113076 | 3140 | 86 | -8 | -17 |
| 21-SS-C | 350 | -9214 | -125030 | -2047 | | | |
| 23-SS-C | 390 | -4370 | -88370 | -283 | | | |
| 24-SS-C | 420 | -1375 | -130598 | 1780 | | | |
| 25-GS-C | 440 | -17289 | -119673 | -719 | 0 | 0 | 0 |
| 26-SS-C | 450 | -22710 | -111663 | 644 | | | |
| 27-SS-C | 460 | -696 | -149020 | -1337 | | | |
| 29-SS-C | 480 | 129 | -145011 | 411 | | | |
| 30-FP-C | 490 | -7736 | -113302 | -2415 | -5379 | 3036 | -1772 |
| 31-SS-C | 500 | -54502 | -101105 | -185 | | | |
| 32-SS-C | 507 | -8874 | -94161 | 1205 | | | |

| Expanze od provozní teploty + vítr 1 | | | | | | | |
|--------------------------------------|------|-----------|-----------|-----------|------------|------------|------------|
| Č. uložení | Node | fx (N) | fy (N) | fz (N) | mx (Nm) | my (Nm) | mz (Nm) |
| 1/1-SS-C | 20 | 0 | 0 | 0 | | | |
| 3-GS-C | 50 | 82 | -1146 | -62 | 150 | -11 | 0 |
| 4-SS-C | 80 | -43 | -261 | -65 | | | |
| 5-GS-C | 110 | -5183 | -56 | -17310 | -1098 | -12 | 0 |
| 6-GS-C | 130 | -7380 | 2286 | 25755 | 0 | 0 | 0 |
| 7-SS-C | 140 | -25 | -819 | 2 | | | |
| 9-SS-C | 160 | 4 | -2332 | 3 | | | |
| 10-SS-C | 170 | 0 | 0 | 1 | | | |
| 11-GS-C | 180 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13-FP-C | 230 | 32957 | 2776 | 10059 | -2437 | -8301 | -1604 |
| 16-SS-C | 290 | 89 | -1661 | 163 | | | |
| 17-SS-C | 300 | 90 | -1363 | 135 | | | |
| 19-SS-C | 330 | -112 | -874 | 111 | | | |
| 20-GS-C | 340 | 2085 | 676 | 7330 | -4 | 1 | 4 |
| 21-SS-C | 350 | -6 | -1089 | 0 | | | |
| 23-SS-C | 390 | 29 | -1468 | -64 | | | |
| 24-SS-C | 420 | -43 | 1576 | 14 | | | |
| 25-GS-C | 440 | -1568 | -412 | 5063 | 0 | 0 | 0 |
| 26-SS-C | 450 | 0 | 4 | 27 | | | |
| 27-SS-C | 460 | 0 | -76 | 27 | | | |
| 29-SS-C | 480 | -15 | -89 | 8 | | | |
| 30-FP-C | 490 | 18918 | 739 | 4765 | -895 | 13640 | -736 |
| 31-SS-C | 500 | -45 | -123 | 14 | | | |
| 32-SS-C | 507 | 99 | -725 | -121 | | | |

| | | | | | | | |
|----------|------|--------|---------|--------|-------|-------|-------|
| 33-SS-C | 510 | 1 | -86739 | 225 | | | |
| 34-SS-C | 520 | 0 | -79751 | 3177 | | | |
| 35-SS-C | 522 | 5191 | -98049 | -3554 | | | |
| 37-SS-C | 550 | 1139 | -111214 | 7408 | | | |
| 38-SS-C | 560 | 69 | -119473 | -2883 | | | |
| 39-FP-C | 570 | -3067 | -127362 | 843 | 1654 | 624 | -1191 |
| 40-SS-C | 580 | 1490 | -71327 | 5987 | | | |
| 41-SS-C | 590 | 124 | -145355 | -14587 | | | |
| 43-GS-C | 615 | -9285 | -145402 | -721 | -14 | -318 | 0 |
| 44-SS-C | 620 | -1743 | -108402 | -2155 | | | |
| 45-SS-C | 660 | -7086 | -88577 | -1106 | | | |
| 46-SS-C | 690 | -4729 | -112436 | 3885 | | | |
| 47-SS-C | 700 | -2668 | -116657 | 346 | | | |
| 48-GS-C | 710 | -22955 | -102723 | -2191 | -2063 | 145 | -107 |
| 49-SS-C | 720 | 3474 | -142239 | 1614 | | | |
| 51-FP-C | 730 | -11879 | -180164 | -2419 | -1387 | 1360 | -575 |
| 53-SS-C | 740 | 1643 | -119864 | 2960 | | | |
| 54-SS-C | 750 | -23991 | -91060 | -3928 | | | |
| 56-SS-C | 840 | 4555 | -128284 | -1331 | | | |
| 57-GS-C | 850 | 2675 | -106565 | -205 | 464 | 3 | 117 |
| 58-SS-C | 910 | -164 | -148509 | -313 | | | |
| 60-SS-C | 930 | -22 | -162887 | 1065 | | | |
| 61-FP-C | 940 | 488 | -103422 | -3921 | 1175 | -1528 | -2822 |
| 62-SS-C | 950 | -92 | -108489 | 1727 | | | |
| 63-GS-C | 970 | 5058 | -74254 | -2129 | 1 | 0 | 0 |
| 64-SS-C | 980 | 2004 | -125021 | 1764 | | | |
| 65-SS-C | 1015 | 9785 | -103106 | 504 | | | |
| 66-SS-C | 1040 | -2096 | -125209 | -206 | | | |
| 67-GS-C | 1050 | 10386 | -66103 | -4350 | 0 | 0 | 0 |
| 68-FP-C | 1055 | 5879 | -119150 | 5188 | -816 | -3285 | -3278 |
| 70-SS-C | 1100 | 2325 | -91200 | -9247 | | | |
| 71-SS-C | 1102 | 3788 | -37970 | -274 | | | |
| 72-SS-C | 1105 | 10111 | -35747 | 3049 | | | |
| 73-SS-C | 1110 | 16051 | -161624 | -2138 | | | |
| 74-SS-C | 1130 | -29181 | -131787 | 3771 | | | |
| 76-SS-C | 1170 | 9778 | -125328 | 692 | | | |
| 77-GS-C | 1180 | 5083 | -100414 | -2068 | 912 | 524 | 1815 |
| 78-SS-C | 1190 | 6562 | -121975 | 1373 | | | |
| 79-SS-C | 1220 | 9056 | -104942 | 246 | | | |
| 80-SS-C | 1250 | 1350 | -121028 | -975 | | | |
| 81-GS-C | 1260 | 15935 | -102384 | -997 | 13 | 4 | 0 |
| 82-SS-C | 1270 | -631 | -125859 | 387 | | | |
| 83-SS-C | 1280 | 16864 | -114215 | 471 | | | |
| 84-SS-C | 1290 | 7361 | -141468 | 323 | | | |
| 87-SS-C | 1310 | 15660 | -106513 | -3411 | | | |
| 88-SS-C | 1320 | 16739 | -104364 | 950 | | | |
| 90-FP-C | 1360 | 21688 | -167196 | -724 | -2489 | 19 | -3878 |
| 92-GS-C | 1400 | -11901 | -159080 | 174 | 0 | 0 | 0 |
| 93-SS-C | 1410 | -8924 | -119289 | 274 | | | |
| 94-GS-C | 1420 | -5668 | -130564 | -72 | 0 | 0 | 0 |
| 95-SS-C | 1430 | 2149 | -130324 | 257 | | | |
| 96-GS-C | 1440 | 5037 | -119745 | -674 | 0 | 0 | -1 |
| 97-SS-C | 1450 | 1881 | -125923 | 669 | | | |
| 98-SS-C | 1480 | 3271 | -104492 | -331 | | | |
| 99-SS-C | 1510 | 1339 | -119002 | -42 | | | |
| 100-GS-C | 1520 | -1245 | -104796 | 175 | 1 | 1 | 0 |
| 101-SS-C | 1530 | -161 | -114437 | 129 | | | |
| 102-FP-C | 1540 | -333 | -88350 | -758 | -1204 | -43 | -98 |
| 103-SS-C | 1560 | -835 | -4078 | 133 | | | |
| 104-SS-C | 1570 | -1461 | -108007 | 163 | | | |
| 105-GS-C | 1580 | -235 | -147364 | 190 | 2 | 1 | 0 |
| 108-SS-C | 1590 | 564 | -178469 | 284 | | | |
| 110-GS-C | 1630 | -2129 | -144502 | -331 | 292 | -11 | 1 |
| 111-SS-C | 1670 | 668 | -122393 | 734 | | | |
| 114-SS-C | 1700 | -14189 | -123907 | 4462 | | | |
| 115-SS-C | 1705 | -13766 | -71954 | 71 | | | |
| 116-GS-C | 1710 | -8431 | -117729 | -936 | 26 | 44 | 0 |
| 117-SS-C | 1740 | -8977 | -101893 | -17 | | | |
| 118-GS-C | 1770 | -4513 | -122871 | -780 | -136 | 48 | -11 |
| 119-SS-C | 1780 | -19898 | -103749 | 189 | | | |
| 120-SS-C | 1790 | -14855 | -116836 | 20 | | | |
| 121-SS-C | 1800 | -7349 | -136696 | 1962 | | | |
| 123-SS-C | 1820 | -9086 | -100476 | 1873 | | | |
| 124-GS-C | 1830 | -556 | -126824 | -1203 | -2103 | 110 | 122 |
| 126-FP-C | 1870 | -5561 | -180453 | -1249 | 6361 | 72 | 671 |
| 128-SS-C | 1910 | -2563 | -148261 | 1443 | | | |
| 129-GS-C | 1920 | -4096 | -127653 | -649 | 8 | 30 | 0 |

| | | | | | | | |
|----------|------|--------|-------|--------|-------|-------|-------|
| 33-SS-C | 510 | 22 | -147 | 108 | | | |
| 34-SS-C | 520 | 0 | 0 | 152 | | | |
| 35-SS-C | 522 | 0 | 0 | 80 | | | |
| 37-SS-C | 550 | -6 | -39 | 536 | | | |
| 38-SS-C | 560 | 0 | -1 | 866 | | | |
| 39-FP-C | 570 | -7795 | 91 | 2307 | 569 | -9218 | -142 |
| 40-SS-C | 580 | 11 | -344 | 766 | | | |
| 41-SS-C | 590 | -4 | -325 | 390 | | | |
| 43-GS-C | 615 | -911 | 260 | 3535 | -136 | 22 | 0 |
| 44-SS-C | 620 | 0 | 26 | 346 | | | |
| 45-SS-C | 660 | -51 | -247 | -56 | | | |
| 46-SS-C | 690 | -15 | 456 | 354 | | | |
| 47-SS-C | 700 | -6 | -12 | 700 | | | |
| 48-GS-C | 710 | 586 | 14 | -1072 | 2 | 0 | 28 |
| 49-SS-C | 720 | -83 | -219 | 1105 | | | |
| 51-FP-C | 730 | 6430 | 322 | -4429 | -555 | 5636 | -30 |
| 53-SS-C | 740 | 0 | 124 | 1171 | | | |
| 54-SS-C | 750 | -25 | -263 | 377 | | | |
| 56-SS-C | 840 | -3 | -40 | 1953 | | | |
| 57-GS-C | 850 | -1981 | 134 | -4430 | 1 | 0 | 0 |
| 58-SS-C | 910 | -2 | -15 | 2118 | | | |
| 60-SS-C | 930 | -29 | -844 | 690 | | | |
| 61-FP-C | 940 | -12276 | 1277 | 4655 | 146 | 2094 | 773 |
| 62-SS-C | 950 | -20 | -13 | 723 | | | |
| 63-GS-C | 970 | 1123 | 641 | -4129 | 3 | -1 | 0 |
| 64-SS-C | 980 | -33 | -813 | 495 | | | |
| 65-SS-C | 1015 | 0 | -12 | 70 | | | |
| 66-SS-C | 1040 | 2 | -355 | 439 | | | |
| 67-GS-C | 1050 | -1535 | 640 | -5046 | 0 | 0 | 0 |
| 68-FP-C | 1055 | 21254 | 346 | 709 | -5475 | -1889 | -5335 |
| 70-SS-C | 1100 | 0 | 0 | 863 | | | |
| 71-SS-C | 1102 | 0 | 0 | 1061 | | | |
| 72-SS-C | 1105 | 0 | 0 | 1060 | | | |
| 73-SS-C | 1110 | 0 | 0 | 500 | | | |
| 74-SS-C | 1130 | -1 | 8 | 642 | | | |
| 76-SS-C | 1170 | 0 | -69 | 704 | | | |
| 77-GS-C | 1180 | -8763 | 1174 | -1170 | -916 | 12576 | -406 |
| 78-SS-C | 1190 | 77 | -937 | 265 | | | |
| 79-SS-C | 1220 | -9 | -121 | 23 | | | |
| 80-SS-C | 1250 | 0 | -115 | 304 | | | |
| 81-GS-C | 1260 | -913 | 181 | 421 | 21 | -1 | 0 |
| 82-SS-C | 1270 | 0 | -30 | 496 | | | |
| 83-SS-C | 1280 | 0 | -26 | 435 | | | |
| 84-SS-C | 1290 | 0 | 21 | 383 | | | |
| 87-SS-C | 1310 | -1 | -185 | 45 | | | |
| 88-SS-C | 1320 | 0 | -17 | 79 | | | |
| 90-FP-C | 1360 | -28933 | -1085 | 9079 | 629 | 8130 | -288 |
| 92-GS-C | 1400 | 1411 | -348 | -4509 | 0 | 0 | 0 |
| 93-SS-C | 1410 | 0 | -6 | 75 | | | |
| 94-GS-C | 1420 | 1013 | 48 | 3448 | 0 | 0 | 0 |
| 95-SS-C | 1430 | 0 | -6 | 61 | | | |
| 96-GS-C | 1440 | 724 | 58 | -2388 | 9 | 1 | 0 |
| 97-SS-C | 1450 | 51 | -322 | -4 | | | |
| 98-SS-C | 1480 | 14 | -185 | -51 | | | |
| 99-SS-C | 1510 | -10 | 831 | 8 | | | |
| 100-GS-C | 1520 | -1844 | -353 | -5992 | -33 | 0 | 0 |
| 101-SS-C | 1530 | -78 | -756 | 60 | | | |
| 102-FP-C | 1540 | -11464 | 64 | 4692 | -111 | 2232 | -11 |
| 103-SS-C | 1560 | 0 | -4 | 39 | | | |
| 104-SS-C | 1570 | 0 | -1 | 44 | | | |
| 105-GS-C | 1580 | 573 | -37 | 1967 | 7 | 1 | 0 |
| 108-SS-C | 1590 | 78 | 4 | 250 | | | |
| 110-GS-C | 1630 | 3657 | -299 | -12020 | 764 | -18 | 0 |
| 111-SS-C | 1670 | 45 | -1227 | -22 | | | |
| 114-SS-C | 1700 | -59 | -1112 | 51 | | | |
| 115-SS-C | 1705 | -2 | -82 | 192 | | | |
| 116-GS-C | 1710 | 6271 | -10 | -21711 | 683 | 1 | 0 |
| 117-SS-C | 1740 | -14 | -40 | 20 | | | |
| 118-GS-C | 1770 | -3585 | 199 | 9139 | -56 | -3 | 2 |
| 119-SS-C | 1780 | -6 | 5 | 446 | | | |
| 120-SS-C | 1790 | -7 | -25 | 579 | | | |
| 121-SS-C | 1800 | -1 | -626 | 438 | | | |
| 123-SS-C | 1820 | -2 | -1 | 286 | | | |
| 124-GS-C | 1830 | -4902 | 1309 | 18005 | 99 | -5 | -74 |
| 126-FP-C | 1870 | 26808 | -148 | -6441 | 229 | -3538 | -373 |
| 128-SS-C | 1910 | 10 | -329 | 724 | | | |
| 129-GS-C | 1920 | 2296 | -199 | -7095 | 305 | -1 | 0 |

| | | | | | | | |
|----------|------|--------|---------|--------|-------|-------|-------|
| 131-SS-C | 1940 | -28983 | -116909 | 4333 | | | |
| 132-SS-C | 1950 | -13443 | -134344 | 1943 | | | |
| 133-SS-C | 1980 | -660 | -100479 | -1050 | | | |
| 134-SS-C | 2010 | -9936 | -130362 | -4 | | | |
| 136-FP-C | 2030 | 20701 | -106284 | -6172 | -3196 | 3663 | 921 |
| 137-SS-C | 2070 | -12693 | -129937 | -993 | | | |
| 138-SS-C | 2075 | -9478 | -42472 | 2064 | | | |
| 139-SS-C | 2080 | 0 | -38609 | 1321 | | | |
| 140-SS-C | 2085 | 10961 | -120931 | 2467 | | | |
| 142-SS-C | 2130 | -7065 | -90645 | 9405 | | | |
| 143-SS-C | 2140 | -12049 | -77173 | 4879 | | | |
| 145-FP-C | 2160 | -3485 | -93280 | -11242 | 1804 | -2049 | -2927 |
| 1-FP-B | 3000 | -841 | -29716 | -319 | -1805 | 1341 | -4330 |
| 1/1-SS-B | 3018 | -1588 | -92115 | 2707 | 0 | 0 | 0 |
| 2-GS-B | 3030 | -5679 | -61965 | 1057 | -1 | 0 | 0 |
| 3-GS-B | 3050 | -861 | -62745 | -120 | 2 | 16 | 0 |
| 4-SS-B | 3080 | 190 | -65917 | 316 | | | |
| 5-GS-B | 3105 | -2038 | -67681 | -332 | -1 | 31 | 0 |
| 6-GS-B | 3130 | -1539 | -76434 | 293 | 0 | 0 | 0 |
| 7-SS-B | 3140 | 6427 | -89960 | -1549 | | | |
| 9-FP-B | 3160 | -1022 | -91240 | -402 | -1992 | -306 | 4694 |
| 10-SS-B | 3170 | 689 | -71698 | 173 | | | |
| 11-GS-B | 3180 | 226 | -81367 | -160 | 0 | 0 | 0 |
| 12-SS-B | 3190 | 4645 | -68157 | 549 | | | |
| 13-SS-B | 3230 | 4177 | -66433 | -232 | | | |
| 14-SS-B | 3260 | 1433 | -65876 | -297 | | | |
| 16-SS-B | 3290 | 10324 | -75534 | 1130 | | | |
| 17-SS-B | 3300 | 10698 | -76740 | -2906 | | | |
| 19-FP-B | 3330 | -10472 | -76715 | -4110 | 3038 | -737 | 1435 |
| 20-GS-B | 3340 | -14790 | -77822 | 1242 | 63 | -7 | -6 |
| 21-SS-B | 3350 | -6442 | -70522 | -1191 | | | |
| 23-SS-B | 3390 | 340 | -70498 | 1661 | | | |
| 24-SS-B | 3420 | -8267 | -76565 | -897 | | | |
| 25-GS-B | 3440 | -5804 | -78860 | -41 | 0 | 0 | 0 |
| 26-SS-B | 3450 | -14548 | -71467 | 208 | | | |
| 27-SS-B | 3460 | -3327 | -91972 | -314 | | | |
| 29-SS-B | 3480 | -79 | -90200 | 378 | | | |
| 30-FP-B | 3490 | -4821 | -72804 | -2325 | -7022 | 4923 | -2150 |
| 31-SS-B | 3500 | -34729 | -64364 | 242 | | | |
| 32-SS-B | 3510 | -4665 | -61695 | 628 | | | |
| 33-SS-B | 3520 | 0 | -56330 | -1 | | | |
| 34-SS-B | 3522 | 0 | -40284 | 4393 | | | |
| 35-SS-B | 3524 | 4951 | -83565 | -5712 | | | |
| 37-SS-B | 3550 | 2906 | -79512 | 7638 | | | |
| 38-SS-B | 3560 | -478 | -72620 | -3557 | | | |
| 39-FP-B | 3570 | -3161 | -81521 | 1184 | 360 | 1427 | -1675 |
| 40-SS-B | 3580 | 1120 | -49632 | 3086 | | | |
| 41-SS-B | 3590 | -43 | -82768 | -8328 | | | |
| 43-GS-B | 3615 | -5851 | -89532 | 225 | 57 | -169 | 0 |
| 44-SS-B | 3620 | -1353 | -65647 | -348 | | | |
| 45-SS-B | 3660 | -4734 | -68291 | -668 | | | |
| 46-SS-B | 3690 | -4309 | -67686 | 1714 | | | |
| 47-SS-B | 3700 | -3229 | -75106 | 685 | | | |
| 48-FP-B | 3705 | -4947 | -69639 | -4696 | -4570 | 7418 | 467 |
| 49-SS-B | 3720 | -4811 | -74958 | 1348 | | | |
| 50-SS-B | 3730 | -4893 | -73565 | 5 | | | |
| 51-SS-B | 3760 | -5325 | -54872 | 153 | | | |
| 52-SS-B | 3790 | 582 | -76862 | 1330 | | | |
| 53-SS-B | 3800 | -17051 | -52199 | 1803 | | | |
| 54-SS-B | 3810 | 1074 | -73796 | -1965 | | | |
| 56-SS-B | 3840 | 2629 | -84075 | -855 | | | |
| 57-GS-B | 3850 | 1273 | -68948 | -227 | 0 | 0 | 0 |
| 58-SS-B | 3860 | 204 | -90343 | -247 | | | |
| 60-SS-B | 3930 | 221 | -97216 | 964 | | | |
| 61-FP-B | 3940 | -479 | -69445 | -6283 | -239 | -7016 | -3336 |
| 62-SS-B | 3950 | 217 | -67387 | 1409 | | | |
| 63-GS-B | 3970 | 1119 | -50863 | -88 | 0 | 0 | 0 |
| 64-SS-B | 3980 | 2450 | -72814 | 728 | | | |
| 65-SS-B | 4010 | 5304 | -78420 | 534 | | | |
| 66-SS-B | 4040 | 815 | -73863 | 715 | | | |
| 67-GS-B | 4050 | 4919 | -39353 | -6979 | 0 | 0 | 0 |
| 68-FP-B | 4055 | 2860 | -88051 | 6980 | -2910 | -1276 | -8496 |
| 70-SS-B | 4100 | -20 | -66947 | -7106 | | | |
| 71-SS-B | 4105 | -1370 | -20298 | 1052 | | | |
| 72-SS-B | 4110 | -7 | -16791 | 1233 | | | |
| 73-SS-B | 4115 | 19482 | -111809 | -1561 | | | |
| 74-SS-B | 4150 | -17319 | -79148 | 3694 | | | |

| | | | | | | | |
|----------|------|--------|-------|--------|-------|--------|-------|
| 131-SS-C | 1940 | -4 | 56 | 884 | | | |
| 132-SS-C | 1950 | -61 | -458 | 981 | | | |
| 133-SS-C | 1980 | -9 | -178 | 98 | | | |
| 134-SS-C | 2010 | -89 | -137 | 774 | | | |
| 136-FP-C | 2030 | 8483 | 2444 | 2082 | 4921 | -4301 | 4093 |
| 137-SS-C | 2070 | 47 | -1056 | 184 | | | |
| 138-SS-C | 2075 | 139 | -574 | 291 | | | |
| 139-SS-C | 2080 | 0 | 0 | 188 | | | |
| 140-SS-C | 2085 | 0 | 0 | 89 | | | |
| 142-SS-C | 2130 | 0 | 24 | 1026 | | | |
| 143-SS-C | 2140 | 0 | 25 | 1043 | | | |
| 145-FP-C | 2160 | 6146 | 2592 | 227 | 1881 | -8988 | 158 |
| 1-FP-B | 3000 | 35599 | -614 | 2296 | 328 | 850 | -2355 |
| 1/1-SS-B | 3018 | 0 | 0 | 0 | | | |
| 2-GS-B | 3030 | 2281 | 471 | 7771 | -2 | 0 | 0 |
| 3-GS-B | 3050 | 2254 | 348 | -7451 | 249 | 0 | 0 |
| 4-SS-B | 3080 | 1 | 0 | 37 | | | |
| 5-GS-B | 3105 | -3102 | -350 | -10280 | -908 | 6 | 0 |
| 6-GS-B | 3130 | -4299 | 55 | 14326 | 0 | 0 | 0 |
| 7-SS-B | 3140 | 4 | -642 | 2 | | | |
| 9-FP-B | 3160 | 13650 | 49 | 6299 | 1011 | 4702 | 237 |
| 10-SS-B | 3170 | 0 | 0 | 1 | | | |
| 11-GS-B | 3180 | 491 | 41 | 1644 | 0 | 0 | 0 |
| 12-SS-B | 3190 | 3 | 293 | 0 | | | |
| 13-SS-B | 3230 | 0 | 0 | 0 | | | |
| 14-SS-B | 3260 | -3 | -294 | 0 | | | |
| 16-SS-B | 3290 | 0 | 1 | 0 | | | |
| 17-SS-B | 3300 | 32 | -1576 | 155 | | | |
| 19-FP-B | 3330 | -5472 | -1426 | 22540 | 5219 | 10508 | 2169 |
| 20-GS-B | 3340 | 2240 | 553 | -7708 | 1 | 0 | -2 |
| 21-SS-B | 3350 | 48 | -2361 | 0 | | | |
| 23-SS-B | 3390 | -1 | -6 | -2 | | | |
| 24-SS-B | 3420 | -36 | 237 | 8 | | | |
| 25-GS-B | 3440 | -3165 | -504 | 10229 | 0 | 0 | 0 |
| 26-SS-B | 3450 | -2 | -10 | 27 | | | |
| 27-SS-B | 3460 | -4 | 3 | 2 | | | |
| 29-SS-B | 3480 | 0 | -117 | 18 | | | |
| 30-FP-B | 3490 | 26831 | 684 | 6411 | 503 | 32589 | -764 |
| 31-SS-B | 3500 | 5 | 16 | 24 | | | |
| 32-SS-B | 3510 | 97 | -653 | -107 | | | |
| 33-SS-B | 3520 | 19 | -129 | 95 | | | |
| 34-SS-B | 3522 | 0 | 0 | 128 | | | |
| 35-SS-B | 3524 | 0 | 0 | 81 | | | |
| 37-SS-B | 3550 | -1 | -10 | 512 | | | |
| 38-SS-B | 3560 | 0 | 0 | 733 | | | |
| 39-FP-B | 3570 | -9379 | 248 | 1294 | -520 | -15167 | -239 |
| 40-SS-B | 3580 | 42 | -915 | 700 | | | |
| 41-SS-B | 3590 | -7 | -216 | 331 | | | |
| 43-GS-B | 3615 | -1772 | 780 | 6774 | 117 | 36 | 1 |
| 44-SS-B | 3620 | 0 | 55 | 288 | | | |
| 45-SS-B | 3660 | -44 | -437 | -56 | | | |
| 46-SS-B | 3690 | -15 | 439 | 294 | | | |
| 47-SS-B | 3700 | -55 | -326 | 590 | | | |
| 48-FP-B | 3705 | 9242 | 334 | -5172 | -550 | 5763 | -296 |
| 49-SS-B | 3720 | -59 | 39 | 749 | | | |
| 50-SS-B | 3730 | -10 | -102 | 429 | | | |
| 51-SS-B | 3760 | -12 | -109 | -10 | | | |
| 52-SS-B | 3790 | 1 | 73 | 554 | | | |
| 53-SS-B | 3800 | -1 | 43 | 797 | | | |
| 54-SS-B | 3810 | -3 | -172 | 367 | | | |
| 56-SS-B | 3840 | -8 | -95 | 1737 | | | |
| 57-GS-B | 3850 | -2351 | 254 | -6023 | 0 | 0 | 0 |
| 58-SS-B | 3860 | 4 | 0 | 1781 | | | |
| 60-SS-B | 3930 | -44 | -880 | 590 | | | |
| 61-FP-B | 3940 | -17988 | 1298 | 3857 | 369 | 966 | 1582 |
| 62-SS-B | 3950 | -20 | -11 | 572 | | | |
| 63-GS-B | 3970 | 862 | 549 | -3242 | 3 | 0 | 0 |
| 64-SS-B | 3980 | -24 | -1288 | 409 | | | |
| 65-SS-B | 4010 | 0 | -20 | 142 | | | |
| 66-SS-B | 4040 | 2 | -104 | 362 | | | |
| 67-GS-B | 4050 | -2620 | 919 | -8812 | 0 | 0 | 0 |
| 68-FP-B | 4055 | 25046 | 345 | 3001 | -9859 | 4279 | -8804 |
| 70-SS-B | 4100 | 0 | 0 | 828 | | | |
| 71-SS-B | 4105 | 0 | 0 | 898 | | | |
| 72-SS-B | 4110 | 0 | 0 | 898 | | | |
| 73-SS-B | 4115 | 0 | 0 | 462 | | | |
| 74-SS-B | 4150 | -3 | -34 | 558 | | | |

| | | | | | | | |
|----------|------|--------|---------|--------|-------|-------|-------|
| 76-SS-B | 4170 | 7234 | -75886 | 649 | | | |
| 77-GS-B | 4180 | 3596 | -68532 | -1808 | -1774 | 357 | 2241 |
| 78-SS-B | 4190 | 5164 | -70575 | 550 | | | |
| 79-SS-B | 4220 | 4783 | -79037 | 54 | | | |
| 80-SS-B | 4250 | 4026 | -70618 | 60 | | | |
| 81-GS-B | 4260 | 6590 | -68350 | -110 | -1 | -1 | 0 |
| 82-SS-B | 4270 | 3144 | -79366 | 399 | | | |
| 83-FP-B | 4280 | 3671 | -73380 | -1025 | -4725 | 684 | 671 |
| 84-GS-B | 4290 | 3792 | -87530 | 380 | 3 | 5 | 0 |
| 87-SS-B | 4310 | 537 | -70658 | 180 | | | |
| 88-SS-B | 4320 | 8318 | -51799 | 148 | | | |
| 89-SS-B | 4330 | 2046 | -63346 | 688 | | | |
| 90-SS-B | 4360 | 3504 | -59258 | -522 | | | |
| 91-SS-B | 4390 | 3805 | -74311 | 283 | | | |
| 92-GS-B | 4400 | 1376 | -84476 | -812 | 0 | 0 | 0 |
| 93-SS-B | 4410 | 2336 | -81278 | 230 | | | |
| 94-FP-B | 4420 | 2439 | -81862 | -68 | -3889 | 470 | 115 |
| 95-GS-B | 4430 | 1715 | -82626 | 207 | 0 | 0 | 0 |
| 96-SS-B | 4440 | 1991 | -78838 | -258 | | | |
| 97-SS-B | 4450 | 2198 | -74407 | 296 | | | |
| 98-SS-B | 4480 | 1755 | -78786 | -243 | | | |
| 99-SS-B | 4510 | 763 | -69106 | 212 | | | |
| 100-GS-B | 4520 | -435 | -69965 | -24 | 0 | 0 | 0 |
| 101-SS-B | 4530 | -230 | -72279 | 132 | | | |
| 102-FP-B | 4540 | -474 | -56465 | -496 | -3234 | -204 | -221 |
| 103-SS-B | 4560 | -609 | -64282 | 124 | | | |
| 104-SS-B | 4580 | -327 | -73512 | 119 | | | |
| 105-GS-B | 4590 | -89 | -79370 | -80 | 126 | -1 | -1 |
| 106-SS-B | 4600 | -595 | -71218 | -265 | | | |
| 107-SS-B | 4630 | -2573 | -58124 | 64 | | | |
| 109-SS-B | 4660 | -2596 | -72323 | 431 | | | |
| 110-GS-B | 4670 | 1606 | -76726 | -7 | 0 | 0 | 0 |
| 111-FP-B | 4680 | -1345 | -83560 | -151 | -2213 | -530 | -2271 |
| 114-SS-B | 4700 | -7177 | -80391 | 2790 | | | |
| 115-SS-B | 4705 | -9274 | -48512 | 27 | | | |
| 116-GS-B | 4710 | -5996 | -67336 | -340 | 0 | 46 | 0 |
| 117-SS-B | 4740 | -6734 | -78091 | 42 | | | |
| 118-GS-B | 4770 | -5918 | -70821 | 220 | -39 | 37 | -4 |
| 119-SS-B | 4780 | -8916 | -69116 | 245 | | | |
| 120-FP-B | 4790 | -7188 | -75608 | -1058 | 1623 | -248 | 1380 |
| 121-SS-B | 4800 | -7850 | -83455 | 1331 | | | |
| 123-SS-B | 4820 | 370 | -67678 | 1413 | | | |
| 124-GS-B | 4830 | -4893 | -64509 | -2452 | 1 | 1 | 0 |
| 125-SS-B | 4840 | -1683 | -75117 | 225 | | | |
| 126-SS-B | 4870 | -3722 | -57165 | -91 | | | |
| 127-SS-B | 4900 | -4686 | -71853 | 1100 | | | |
| 128-SS-B | 4910 | 675 | -80158 | 963 | | | |
| 129-FP-B | 4920 | -4174 | -86067 | -2484 | -382 | -2288 | -893 |
| 131-SS-B | 4940 | -15741 | -78563 | 3352 | | | |
| 132-SS-B | 4950 | -11282 | -78756 | 845 | | | |
| 133-SS-B | 4980 | -770 | -76808 | -485 | | | |
| 134-SS-B | 5010 | -7755 | -75183 | 580 | | | |
| 136-FP-B | 5030 | 14227 | -62737 | -3183 | -7117 | 5994 | -363 |
| 137-SS-B | 5070 | -8794 | -91244 | -1208 | | | |
| 138-SS-B | 5075 | -4038 | -23274 | 1897 | | | |
| 139-SS-B | 5080 | 0 | -20909 | 1941 | | | |
| 140-SS-B | 5085 | 6604 | -84617 | 512 | | | |
| 142-SS-B | 5130 | -4943 | -65566 | 6879 | | | |
| 143-SS-B | 5140 | -7044 | -42625 | 2145 | | | |
| 145-FP-B | 5160 | -2490 | -60705 | -7510 | -1592 | -949 | -5257 |
| 1-FP-A | 9000 | -1654 | -43539 | -4312 | -3896 | -2741 | -6124 |
| 1/1-SS-A | 9018 | 4248 | -113318 | 8245 | | | |
| 2-GS-A | 9030 | -705 | -80328 | -17958 | -13 | -1 | 0 |
| 3-GS-A | 9050 | -763 | -55052 | 6192 | -22 | 7 | 0 |
| 4-SS-A | 9080 | -540 | -74996 | -4222 | | | |
| 5-GS-A | 9105 | -1862 | -61622 | 2130 | 17 | 33 | 0 |
| 6-GS-A | 9130 | -748 | -79488 | -259 | 0 | 0 | 0 |
| 7-SS-A | 9140 | -1849 | -87247 | 300 | | | |
| 9-FP-A | 9160 | 768 | -89492 | -42 | -3040 | 23 | 3926 |
| 10-SS-A | 9170 | 6453 | -71738 | 69 | | | |
| 11-GS-A | 9180 | -1189 | -83521 | -89 | 0 | 0 | 0 |
| 12-SS-A | 9190 | 6161 | -62452 | 198 | | | |
| 13-SS-A | 9230 | 3667 | -74554 | 83 | | | |
| 14-SS-A | 9260 | 2128 | -58331 | -334 | | | |
| 16-SS-A | 9290 | 9107 | -76761 | 876 | | | |
| 17-SS-A | 9300 | 10621 | -75238 | -2507 | | | |
| 19-FP-A | 9330 | -10472 | -76715 | -4110 | 3038 | -737 | 1435 |

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|----------|------|--------|-------|--------|-------|--------|------|
| 76-SS-B | 4170 | -1 | -53 | 599 | | | |
| 77-GS-B | 4180 | -12191 | 770 | 1384 | -941 | 23589 | -457 |
| 78-SS-B | 4190 | 68 | -981 | 217 | | | |
| 79-SS-B | 4220 | -2 | -58 | 91 | | | |
| 80-SS-B | 4250 | -1 | 96 | 253 | | | |
| 81-GS-B | 4260 | -1108 | 159 | -3607 | 83 | 1 | 0 |
| 82-SS-B | 4270 | 5 | -122 | 417 | | | |
| 83-FP-B | 4280 | -8528 | 54 | -1911 | -631 | 1594 | 432 |
| 84-GS-B | 4290 | 4359 | 385 | 14911 | -106 | 1 | 0 |
| 87-SS-B | 4310 | -3 | -250 | 39 | | | |
| 88-SS-B | 4320 | 0 | -15 | 69 | | | |
| 89-SS-B | 4330 | 114 | -703 | 8 | | | |
| 90-SS-B | 4360 | -5 | -82 | -18 | | | |
| 91-SS-B | 4390 | -8 | 809 | 40 | | | |
| 92-GS-B | 4400 | -60 | -1 | -410 | 0 | 0 | 0 |
| 93-SS-B | 4410 | -10 | -208 | 61 | | | |
| 94-FP-B | 4420 | -1656 | 129 | 3883 | -528 | -1593 | 280 |
| 95-GS-B | 4430 | 0 | -5 | 54 | 0 | 0 | 0 |
| 96-SS-B | 4440 | 608 | 21 | -1979 | | | |
| 97-SS-B | 4450 | 24 | -259 | 6 | | | |
| 98-SS-B | 4480 | 10 | -230 | -62 | | | |
| 99-SS-B | 4510 | -13 | 654 | 8 | | | |
| 100-GS-B | 4520 | -1376 | -267 | -4462 | -20 | 0 | 0 |
| 101-SS-B | 4530 | 0 | 6 | 35 | | | |
| 102-FP-B | 4540 | 458 | 55 | 6040 | -726 | 859 | -74 |
| 103-SS-B | 4560 | 0 | -21 | 31 | | | |
| 104-SS-B | 4580 | 5 | -51 | 40 | | | |
| 105-GS-B | 4590 | 606 | -71 | -1990 | -1 | 0 | -1 |
| 106-SS-B | 4600 | -1 | 159 | 23 | | | |
| 107-SS-B | 4630 | 0 | -80 | -23 | | | |
| 109-SS-B | 4660 | -53 | -534 | -27 | | | |
| 110-GS-B | 4670 | -468 | 29 | -1511 | 0 | 0 | 0 |
| 111-FP-B | 4680 | 1245 | -497 | -7687 | 278 | 8602 | -807 |
| 114-SS-B | 4700 | -69 | -1063 | 18 | | | |
| 115-SS-B | 4705 | 0 | -52 | 179 | | | |
| 116-GS-B | 4710 | 2221 | 273 | -7905 | 675 | -2 | 0 |
| 117-SS-B | 4740 | -2 | -20 | 52 | | | |
| 118-GS-B | 4770 | -1415 | -335 | -4559 | -422 | 2 | 5 |
| 119-SS-B | 4780 | -123 | -612 | 406 | | | |
| 120-FP-B | 4790 | 6148 | 1189 | 11622 | 356 | -7436 | 96 |
| 121-SS-B | 4800 | -14 | -314 | 383 | | | |
| 123-SS-B | 4820 | -1 | -21 | 254 | | | |
| 124-GS-B | 4830 | 1072 | 134 | 1176 | 1 | 0 | 0 |
| 125-SS-B | 4840 | 0 | -197 | 232 | | | |
| 126-SS-B | 4870 | -2 | -62 | 3 | | | |
| 127-SS-B | 4900 | -2 | 199 | 273 | | | |
| 128-SS-B | 4910 | -5 | -36 | 526 | | | |
| 129-FP-B | 4920 | 15349 | -247 | -6950 | 71 | 5674 | -522 |
| 131-SS-B | 4940 | -19 | -36 | 770 | | | |
| 132-SS-B | 4950 | -44 | -345 | 833 | | | |
| 133-SS-B | 4980 | -1 | -120 | 269 | | | |
| 134-SS-B | 5010 | -115 | -455 | 638 | | | |
| 136-FP-B | 5030 | 6469 | 2465 | 2733 | 4448 | -3916 | 7215 |
| 137-SS-B | 5070 | 67 | -928 | 149 | | | |
| 138-SS-B | 5075 | 159 | -529 | 166 | | | |
| 139-SS-B | 5080 | 0 | 0 | 159 | | | |
| 140-SS-B | 5085 | 0 | 0 | 82 | | | |
| 142-SS-B | 5130 | 1 | 23 | 975 | | | |
| 143-SS-B | 5140 | -1 | 22 | 896 | | | |
| 145-FP-B | 5160 | 5887 | 688 | 74 | 2396 | -18888 | -238 |
| 1-FP-A | 9000 | -65379 | -757 | -5685 | -3884 | -2116 | 2265 |
| 1/1-SS-A | 9018 | 0 | 0 | 0 | | | |
| 2-GS-A | 9030 | 4084 | 715 | 8296 | -1 | 0 | 0 |
| 3-GS-A | 9050 | 3050 | 422 | -8920 | 262 | -7 | 0 |
| 4-SS-A | 9080 | 0 | -1 | 36 | | | |
| 5-GS-A | 9105 | -3097 | -332 | -10266 | -930 | 6 | 0 |
| 6-GS-A | 9130 | -4290 | -94 | 14241 | 0 | 0 | 0 |
| 7-SS-A | 9140 | -4 | -27 | 3 | | | |
| 9-FP-A | 9160 | 13468 | 175 | 6539 | 892 | 4462 | 137 |
| 10-SS-A | 9170 | 0 | 0 | 2 | | | |
| 11-GS-A | 9180 | 394 | 34 | 1318 | 0 | 0 | 0 |
| 12-SS-A | 9190 | 0 | -9 | 0 | | | |
| 13-SS-A | 9230 | 0 | 0 | 0 | | | |
| 14-SS-A | 9260 | 0 | -37 | 0 | | | |
| 16-SS-A | 9290 | 0 | 39 | 0 | | | |
| 17-SS-A | 9300 | 28 | -1590 | 155 | | | |
| 19-FP-A | 9330 | -5472 | -1426 | 22540 | 5219 | 10508 | 2169 |

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|----------|-------|--------|---------|-------|-------|-------|--------|
| 20-GS-A | 9340 | -14790 | -77822 | 1242 | 63 | -7 | -6 |
| 21-SS-A | 9350 | -6442 | -70522 | -1191 | | | |
| 23-SS-A | 9390 | 340 | -70498 | 1661 | | | |
| 24-SS-A | 9420 | -8267 | -76565 | -897 | | | |
| 25-GS-A | 9440 | -5804 | -78860 | -41 | 0 | 0 | 0 |
| 26-SS-A | 9450 | -14548 | -71467 | 208 | | | |
| 27-SS-A | 9460 | -3327 | -91972 | -314 | | | |
| 29-SS-A | 9480 | -79 | -90200 | 378 | | | |
| 30-FP-A | 9490 | -4821 | -72804 | -2325 | -7022 | 4923 | -2150 |
| 31-SS-A | 9500 | -34729 | -64364 | 242 | | | |
| 32-SS-A | 9510 | -4665 | -61695 | 628 | | | |
| 33-SS-A | 9515 | 0 | -58835 | -386 | | | |
| 34-SS-A | 9520 | 0 | -28437 | 6920 | | | |
| 35-SS-A | 9522 | 6225 | -103203 | -9189 | | | |
| 37-SS-A | 9550 | 4710 | -90259 | 10475 | | | |
| 38-SS-A | 9560 | -926 | -67927 | -5580 | | | |
| 39-FP-A | 9570 | -3205 | -82045 | 1841 | -2668 | 1647 | -1154 |
| 40-SS-A | 9580 | 1079 | -54202 | 2264 | | | |
| 41-SS-A | 9590 | -208 | -72714 | -7319 | | | |
| 43-GS-A | 9615 | -5388 | -87666 | -111 | 36 | -141 | 0 |
| 44-SS-A | 9620 | -1694 | -60543 | 214 | | | |
| 45-SS-A | 9660 | -5052 | -76240 | -887 | | | |
| 46-SS-A | 9690 | -3629 | -61475 | 1526 | | | |
| 47-SS-A | 9700 | 2300 | -78130 | 746 | | | |
| 48-FP-A | 9710 | -2285 | -67294 | -4758 | -7271 | 7576 | 851 |
| 49-SS-A | 9720 | -27838 | -80348 | 1305 | | | |
| 50-SS-A | 9730 | 8517 | -61579 | 301 | | | |
| 51-SS-A | 9770 | -4127 | -71399 | 388 | | | |
| 52-SS-A | 9795 | -2854 | -64859 | 801 | | | |
| 53-SS-A | 9800 | -16095 | -53270 | 2080 | | | |
| 54-SS-A | 9810 | 3062 | -79969 | -2110 | | | |
| 56-SS-A | 9840 | 2591 | -86740 | -935 | | | |
| 57-GS-A | 9850 | 1268 | -69232 | -103 | 304 | 2 | 65 |
| 58-SS-A | 9910 | 253 | -87196 | -270 | | | |
| 60-SS-A | 9930 | 297 | -91034 | 976 | | | |
| 61-FP-A | 9940 | 5 | -72912 | -6192 | -2905 | -7339 | -2505 |
| 62-SS-A | 9950 | 410 | -65211 | 1402 | | | |
| 63-GS-A | 9970 | 380 | -55595 | -549 | 0 | 0 | 0 |
| 64-SS-A | 9980 | 3267 | -64378 | 416 | | | |
| 65-SS-A | 10010 | 4807 | -88263 | 896 | | | |
| 66-SS-A | 10040 | 3345 | -66330 | 783 | | | |
| 67-GS-A | 10050 | 3143 | -38764 | -6313 | 0 | 0 | 0 |
| 68-FP-A | 10055 | 4227 | -95143 | 7413 | -3726 | -4607 | -11691 |
| 70-SS-A | 10100 | -92 | -77468 | -8180 | | | |
| 71-SS-A | 10105 | -7 | -13842 | 944 | | | |
| 72-SS-A | 10110 | -4 | -16509 | 1211 | | | |
| 73-SS-A | 10115 | 17825 | -114791 | -1011 | | | |
| 74-SS-A | 10150 | -16320 | -72335 | 2290 | | | |
| 76-SS-A | 10170 | 5082 | -72550 | -586 | | | |
| 77-GS-A | 10180 | 3204 | -73333 | -1320 | -5509 | 658 | 1629 |
| 78-SS-A | 10190 | 6395 | -62138 | 333 | | | |
| 79-SS-A | 10220 | 4190 | -88905 | 45 | | | |
| 80-SS-A | 10250 | 7199 | -62564 | 189 | | | |
| 81-GS-A | 10260 | 3105 | -72151 | -136 | 0 | -5 | 0 |
| 82-SS-A | 10270 | 3947 | -78464 | 391 | | | |
| 83-FP-A | 10280 | 3651 | -74050 | -1016 | -6309 | 703 | 596 |
| 84-GS-A | 10290 | 1618 | -86069 | 399 | 0 | 0 | 0 |
| 87-SS-A | 10310 | 3615 | -66869 | 1377 | | | |
| 88-SS-A | 10320 | 5419 | -56825 | 20 | | | |
| 89-SS-A | 10330 | 3819 | -55038 | 809 | | | |
| 90-SS-A | 10360 | 4035 | -69400 | -613 | | | |
| 91-SS-A | 10390 | 4288 | -67011 | 253 | | | |
| 92-GS-A | 10400 | 349 | -87260 | -772 | 0 | 0 | 0 |
| 93-SS-A | 10410 | 2604 | -80512 | 221 | | | |
| 94-FP-A | 10420 | 2389 | -82245 | -82 | -5530 | 454 | 109 |
| 95-GS-A | 10430 | 2032 | -81803 | 197 | 0 | 0 | 0 |
| 96-SS-A | 10440 | 792 | -82168 | -236 | | | |
| 97-SS-A | 10450 | 3253 | -66770 | 281 | | | |
| 98-SS-A | 10480 | 1586 | -88634 | -291 | | | |
| 99-SS-A | 10510 | 660 | -61056 | 285 | | | |
| 100-GS-A | 10520 | -97 | -73724 | -37 | 0 | 1 | 0 |
| 101-SS-A | 10530 | -320 | -71452 | 133 | | | |
| 102-FP-A | 10540 | -472 | -56658 | -498 | -4917 | -207 | -160 |
| 103-SS-A | 10560 | -581 | -64457 | 116 | | | |
| 104-SS-A | 10580 | -410 | -72749 | 122 | | | |
| 105-GS-A | 10590 | 147 | -82266 | -93 | 135 | -1 | -1 |
| 106-SS-A | 10600 | -902 | -63784 | -177 | | | |

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|----------|-------|--------|-------|-------|-------|--------|-------|
| 20-GS-A | 9340 | 2240 | 553 | -7708 | 1 | 0 | -2 |
| 21-SS-A | 9350 | 48 | -2361 | 0 | | | |
| 23-SS-A | 9390 | -1 | -6 | -2 | | | |
| 24-SS-A | 9420 | -36 | 237 | 8 | | | |
| 25-GS-A | 9440 | -3165 | -504 | 10229 | 0 | 0 | 0 |
| 26-SS-A | 9450 | -2 | -10 | 27 | | | |
| 27-SS-A | 9460 | -4 | 3 | 2 | | | |
| 29-SS-A | 9480 | 0 | -117 | 18 | | | |
| 30-FP-A | 9490 | 26831 | 684 | 6411 | 503 | 32589 | -764 |
| 31-SS-A | 9500 | 5 | 16 | 24 | | | |
| 32-SS-A | 9510 | 97 | -653 | -107 | | | |
| 33-SS-A | 9515 | 20 | -132 | 93 | | | |
| 34-SS-A | 9520 | 0 | 0 | 127 | | | |
| 35-SS-A | 9522 | 0 | 0 | 90 | | | |
| 37-SS-A | 9550 | -2 | -15 | 548 | | | |
| 38-SS-A | 9560 | 0 | -1 | 727 | | | |
| 39-FP-A | 9570 | -9841 | 330 | 1186 | -543 | -14538 | -218 |
| 40-SS-A | 9580 | 50 | -1141 | 719 | | | |
| 41-SS-A | 9590 | -2 | -274 | 318 | | | |
| 43-GS-A | 9615 | -1797 | 1028 | 7188 | 94 | 38 | 0 |
| 44-SS-A | 9620 | 2 | 109 | 277 | | | |
| 45-SS-A | 9660 | -34 | -482 | 57 | | | |
| 46-SS-A | 9690 | -21 | 324 | 277 | | | |
| 47-SS-A | 9700 | -44 | -253 | 602 | | | |
| 48-FP-A | 9710 | 9521 | 325 | -5206 | -390 | 5296 | -190 |
| 49-SS-A | 9720 | -3 | 39 | 768 | | | |
| 50-SS-A | 9730 | -8 | -93 | 390 | | | |
| 51-SS-A | 9770 | -7 | -118 | 81 | | | |
| 52-SS-A | 9795 | -1 | 30 | 509 | | | |
| 53-SS-A | 9800 | -1 | 38 | 803 | | | |
| 54-SS-A | 9810 | 0 | -181 | 395 | | | |
| 56-SS-A | 9840 | -8 | -97 | 1788 | | | |
| 57-GS-A | 9850 | -2367 | 246 | -6094 | -7 | 0 | -2 |
| 58-SS-A | 9910 | 0 | -4 | 1777 | | | |
| 60-SS-A | 9930 | -43 | -811 | 577 | | | |
| 61-FP-A | 9940 | -17408 | 1186 | 4009 | 443 | 456 | 1478 |
| 62-SS-A | 9950 | -20 | -12 | 588 | | | |
| 63-GS-A | 9970 | 1002 | 583 | -3710 | 3 | 1 | 0 |
| 64-SS-A | 9980 | -14 | -1671 | 386 | | | |
| 65-SS-A | 10010 | 0 | -23 | 195 | | | |
| 66-SS-A | 10040 | -17 | 381 | 338 | | | |
| 67-GS-A | 10050 | -2137 | 758 | -7111 | 0 | 0 | 0 |
| 68-FP-A | 10055 | 23706 | 580 | 1559 | -9973 | 1417 | -8507 |
| 70-SS-A | 10100 | 0 | 0 | 874 | | | |
| 71-SS-A | 10105 | 0 | 0 | 886 | | | |
| 72-SS-A | 10110 | 0 | 0 | 887 | | | |
| 73-SS-A | 10115 | 0 | 0 | 456 | | | |
| 74-SS-A | 10150 | -7 | -97 | 522 | | | |
| 76-SS-A | 10170 | -1 | -37 | 576 | | | |
| 77-GS-A | 10180 | -11601 | 797 | 1456 | -941 | 24063 | -490 |
| 78-SS-A | 10190 | 76 | -1373 | 189 | | | |
| 79-SS-A | 10220 | 1 | -65 | 135 | | | |
| 80-SS-A | 10250 | -10 | 467 | 229 | | | |
| 81-GS-A | 10260 | -1104 | 162 | -3650 | 83 | 1 | 0 |
| 82-SS-A | 10270 | 6 | -118 | 407 | | | |
| 83-FP-A | 10280 | -8254 | 82 | -1368 | -551 | 1375 | 437 |
| 84-GS-A | 10290 | 4138 | 331 | 14160 | 5 | 0 | 0 |
| 87-SS-A | 10310 | 0 | -41 | 39 | | | |
| 88-SS-A | 10320 | 0 | -14 | 67 | | | |
| 89-SS-A | 10330 | 108 | -743 | -2 | | | |
| 90-SS-A | 10360 | -6 | -101 | -18 | | | |
| 91-SS-A | 10390 | -10 | 855 | 37 | | | |
| 92-GS-A | 10400 | -137 | -25 | -644 | 0 | 0 | 0 |
| 93-SS-A | 10410 | -7 | -176 | 58 | | | |
| 94-FP-A | 10420 | -1552 | 116 | 4132 | -533 | -1493 | 280 |
| 95-GS-A | 10430 | 0 | -4 | 52 | 0 | 0 | 0 |
| 96-SS-A | 10440 | 634 | 22 | -2072 | | | |
| 97-SS-A | 10450 | 25 | -452 | 5 | | | |
| 98-SS-A | 10480 | 9 | -227 | -59 | | | |
| 99-SS-A | 10510 | -17 | 825 | 3 | | | |
| 100-GS-A | 10520 | -1389 | -240 | -4515 | -22 | 0 | 0 |
| 101-SS-A | 10530 | 0 | 5 | 33 | | | |
| 102-FP-A | 10540 | 669 | 48 | 6150 | -587 | 873 | -74 |
| 103-SS-A | 10560 | 1 | -24 | 30 | | | |
| 104-SS-A | 10580 | 0 | 0 | 37 | | | |
| 105-GS-A | 10590 | 652 | -139 | -2035 | 0 | 0 | 0 |
| 106-SS-A | 10600 | -1 | 270 | 21 | | | |

| | | | | | | | |
|----------|-------|--------|--------|-------|--------|-------|-------|
| 107-SS-A | 10630 | -2047 | -68370 | 253 | | | |
| 109-SS-A | 10660 | -3885 | -65002 | 140 | | | |
| 110-GS-A | 10670 | 2918 | -79029 | 12 | 0 | 0 | 0 |
| 111-FP-A | 10680 | -1251 | -84820 | -116 | -4194 | -537 | -3221 |
| 114-SS-A | 10700 | -5098 | -83275 | 3081 | | | |
| 115-SS-A | 10705 | -9869 | -51666 | -97 | | | |
| 116-GS-A | 10710 | -7383 | -58664 | -332 | -1 | 103 | 0 |
| 117-SS-A | 10740 | -7543 | -87861 | 83 | | | |
| 118-GS-A | 10770 | -9297 | -62781 | 222 | 0 | 81 | -5 |
| 119-SS-A | 10780 | -4514 | -72757 | 244 | | | |
| 120-FP-A | 10790 | -7263 | -75604 | -1066 | -1214 | -238 | 922 |
| 121-SS-A | 10800 | -9110 | -81898 | 1458 | | | |
| 123-SS-A | 10820 | -791 | -64349 | 1443 | | | |
| 124-GS-A | 10830 | -1242 | -68923 | -2383 | 1 | 0 | 0 |
| 125-SS-A | 10840 | -3353 | -67198 | 210 | | | |
| 126-SS-A | 10870 | -4175 | -67402 | -21 | | | |
| 127-SS-A | 10900 | -5844 | -64802 | 1018 | | | |
| 128-SS-A | 10910 | 2975 | -82210 | 971 | | | |
| 129-FP-A | 10920 | -3959 | -88210 | -2526 | -954 | -2080 | -2105 |
| 131-SS-A | 10940 | -11669 | -84354 | 4140 | | | |
| 132-SS-A | 10950 | -16193 | -71380 | 423 | | | |
| 133-SS-A | 10980 | -826 | -86249 | -99 | | | |
| 134-SS-A | 11010 | -9647 | -66019 | 429 | | | |
| 136-FP-A | 11030 | 16280 | -56746 | -1105 | -10331 | 6186 | -2556 |
| 137-SS-A | 11070 | -8939 | -95241 | -2257 | | | |
| 138-SS-A | 11075 | -1420 | -22424 | 2773 | | | |
| 139-SS-A | 11080 | -1778 | -19939 | 2298 | | | |
| 140-SS-A | 11085 | 4486 | -86909 | -103 | | | |
| 142-SS-A | 11130 | -5308 | -70531 | 7383 | | | |
| 143-SS-A | 11140 | -6192 | -37260 | 1823 | | | |
| 145-FP-A | 11160 | -2641 | -61526 | -8328 | -2915 | -450 | -5453 |
| 1CH-SS-B | 12520 | -1194 | -40333 | -197 | | | |
| 2CH-SS-B | 12530 | 930 | -34429 | 387 | | | |
| 3CH-SS-B | 12550 | -786 | -49672 | 4237 | | | |
| 1CH-SS-A | 12750 | 904 | -51199 | -533 | | | |
| 2CH-SS-A | 12760 | 1670 | -18236 | 948 | | | |
| 3CH-SS-A | 12780 | -1441 | -58568 | 4406 | | | |

| | | | | | | | |
|----------|-------|-------|------|-------|------|--------|------|
| 107-SS-A | 10630 | 2 | -80 | -19 | | | |
| 109-SS-A | 10660 | -53 | -766 | -24 | | | |
| 110-GS-A | 10670 | -480 | 28 | -1553 | 0 | 0 | 0 |
| 111-FP-A | 10680 | 378 | -494 | -7432 | 258 | 8714 | -783 |
| 114-SS-A | 10700 | -64 | -899 | 13 | | | |
| 115-SS-A | 10705 | 0 | -52 | 173 | | | |
| 116-GS-A | 10710 | 2215 | 387 | -7837 | 1192 | -8 | 0 |
| 117-SS-A | 10740 | -2 | -19 | 71 | | | |
| 118-GS-A | 10770 | -1508 | -452 | -4873 | -874 | 7 | 5 |
| 119-SS-A | 10780 | -123 | -609 | 400 | | | |
| 120-FP-A | 10790 | 6866 | 1159 | 11758 | 456 | -6873 | 92 |
| 121-SS-A | 10800 | -12 | -169 | 364 | | | |
| 123-SS-A | 10820 | -1 | -23 | 249 | | | |
| 124-GS-A | 10830 | 951 | 115 | 814 | 2 | 0 | 0 |
| 125-SS-A | 10840 | 1 | -243 | 214 | | | |
| 126-SS-A | 10870 | -2 | -67 | 31 | | | |
| 127-SS-A | 10900 | -2 | 256 | 252 | | | |
| 128-SS-A | 10910 | -5 | -39 | 516 | | | |
| 129-FP-A | 10920 | 15208 | -198 | -6414 | 58 | 5378 | -502 |
| 131-SS-A | 10940 | -15 | -14 | 763 | | | |
| 132-SS-A | 10950 | -45 | -296 | 765 | | | |
| 133-SS-A | 10980 | 0 | -94 | 378 | | | |
| 134-SS-A | 11010 | -123 | -707 | 540 | | | |
| 136-FP-A | 11030 | 2315 | 1465 | 5844 | 3087 | -3051 | 7139 |
| 137-SS-A | 11070 | -1036 | 337 | 231 | | | |
| 138-SS-A | 11075 | 2 | 0 | -5 | | | |
| 139-SS-A | 11080 | 0 | 0 | 0 | | | |
| 140-SS-A | 11085 | 0 | 0 | 0 | | | |
| 142-SS-A | 11130 | -1337 | -47 | -791 | | | |
| 143-SS-A | 11140 | 0 | 0 | 0 | | | |
| 145-FP-A | 11160 | 5982 | 715 | 181 | 2530 | -18971 | -223 |
| 1CH-SS-B | 12520 | -16 | -89 | 77 | | | |
| 2CH-SS-B | 12530 | 22 | 0 | -70 | | | |
| 3CH-SS-B | 12550 | 0 | 0 | 0 | | | |
| 1CH-SS-A | 12750 | -1 | 0 | 27 | | | |
| 2CH-SS-A | 12760 | 8 | 0 | -27 | | | |
| 3CH-SS-A | 12780 | 0 | 0 | 0 | | | |

| Expanze od provozní teploty + vítr 2 | | | | | | | |
|--------------------------------------|------|-------|-------|--------|-------|-------|-------|
| | | fx | fy | fz | mx | my | mz |
| Č. uložení | Node | (N) | (N) | (N) | (Nm) | (Nm) | (Nm) |
| 1/1-SS-C | 20 | 0 | 0 | 0 | | | |
| 3-GS-C | 50 | 82 | -1146 | -63 | 150 | -10 | 0 |
| 4-SS-C | 80 | -43 | -260 | -66 | | | |
| 5-GS-C | 110 | -5183 | -56 | -17313 | -1097 | -11 | 0 |
| 6-GS-C | 130 | -7380 | 2286 | 25747 | 0 | 0 | 0 |
| 7-SS-C | 140 | -25 | -821 | -7 | | | |
| 9-SS-C | 160 | 4 | -2330 | -8 | | | |
| 10-SS-C | 170 | 0 | 0 | -9 | | | |
| 11-GS-C | 180 | 1 | -19 | -7 | 0 | 0 | 0 |
| 13-FP-C | 230 | 32974 | 2810 | 10017 | -2172 | -8192 | -1576 |
| 16-SS-C | 290 | 89 | -1659 | 153 | | | |
| 17-SS-C | 300 | 90 | -1363 | 125 | | | |
| 19-SS-C | 330 | -111 | -875 | 114 | | | |
| 20-GS-C | 340 | 2085 | 676 | 7333 | -4 | 1 | 4 |
| 21-SS-C | 350 | -7 | -1083 | 3 | | | |
| 23-SS-C | 390 | 29 | -1454 | -50 | | | |
| 24-SS-C | 420 | -41 | 1568 | 21 | | | |
| 25-GS-C | 440 | -1568 | -416 | 5050 | 0 | 0 | 0 |
| 26-SS-C | 450 | 0 | -4 | -30 | | | |
| 27-SS-C | 460 | 0 | -85 | -57 | | | |
| 29-SS-C | 480 | -68 | -577 | -152 | | | |
| 30-FP-C | 490 | 16187 | 1047 | 5219 | 833 | 13289 | -335 |
| 31-SS-C | 500 | -30 | -165 | 218 | | | |
| 32-SS-C | 507 | 0 | 0 | 61 | | | |
| 33-SS-C | 510 | 1 | 0 | -87 | | | |
| 34-SS-C | 520 | 0 | 0 | -238 | | | |
| 35-SS-C | 522 | 0 | 0 | -319 | | | |
| 37-SS-C | 550 | -6 | -39 | -89 | | | |
| 38-SS-C | 560 | 0 | 1 | -945 | | | |
| 39-FP-C | 570 | -7875 | -11 | 4778 | -876 | -9347 | -388 |
| 40-SS-C | 580 | 11 | -374 | 137 | | | |
| 41-SS-C | 590 | -3 | 46 | -318 | | | |
| 43-GS-C | 615 | -2363 | 392 | 6599 | 121 | 32 | 0 |
| 44-SS-C | 620 | 1 | 18 | 669 | | | |
| 45-SS-C | 660 | -52 | -254 | 443 | | | |

| Expanze od provozní teploty + vítr 3 | | | | | | | |
|--------------------------------------|------|-------|-------|--------|-------|-------|-------|
| | | fx | fy | fz | mx | my | mz |
| Č. uložení | Node | (N) | (N) | (N) | (Nm) | (Nm) | (Nm) |
| 1/1-SS-C | 20 | 0 | 0 | 0 | | | |
| 3-GS-C | 50 | 82 | -1146 | -63 | 151 | -11 | 0 |
| 4-SS-C | 80 | -43 | -260 | -65 | | | |
| 5-GS-C | 110 | -5183 | -56 | -17311 | -1100 | -8 | 0 |
| 6-GS-C | 130 | -7380 | 2286 | 25753 | 0 | 0 | 0 |
| 7-SS-C | 140 | -25 | -829 | 0 | | | |
| 9-SS-C | 160 | 4 | -2334 | 0 | | | |
| 10-SS-C | 170 | 0 | 0 | 0 | | | |
| 11-GS-C | 180 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13-FP-C | 230 | 32902 | 2810 | 10162 | -1342 | -8595 | -1637 |
| 16-SS-C | 290 | 89 | -1660 | 163 | | | |
| 17-SS-C | 300 | 90 | -1362 | 135 | | | |
| 19-SS-C | 330 | -111 | -873 | 111 | | | |
| 20-GS-C | 340 | 2085 | 676 | 7330 | -3 | 1 | 5 |
| 21-SS-C | 350 | -10 | -1096 | 0 | | | |
| 23-SS-C | 390 | 26 | -1468 | -61 | | | |
| 24-SS-C | 420 | -38 | 1586 | 8 | | | |
| 25-GS-C | 440 | -1568 | -413 | 5035 | 0 | 0 | 0 |
| 26-SS-C | 450 | 0 | 3 | -44 | | | |
| 27-SS-C | 460 | 0 | -78 | -43 | | | |
| 29-SS-C | 480 | -70 | -612 | -255 | | | |
| 30-FP-C | 490 | 17411 | 871 | 7340 | 7722 | 10591 | -628 |
| 31-SS-C | 500 | -43 | -123 | -195 | | | |
| 32-SS-C | 507 | 0 | 0 | -503 | | | |
| 33-SS-C | 510 | 0 | 0 | -1037 | | | |
| 34-SS-C | 520 | 0 | 0 | -1035 | | | |
| 35-SS-C | 522 | 0 | 0 | -551 | | | |
| 37-SS-C | 550 | -7 | -40 | 74 | | | |
| 38-SS-C | 560 | 0 | 6 | 135 | | | |
| 39-FP-C | 570 | -5264 | 408 | 2942 | 2 | -9673 | -587 |
| 40-SS-C | 580 | 16 | -1211 | 229 | | | |
| 41-SS-C | 590 | -4 | 45 | 66 | | | |
| 43-GS-C | 615 | -2491 | 329 | 7809 | 131 | 28 | 0 |
| 44-SS-C | 620 | 0 | 28 | -556 | | | |
| 45-SS-C | 660 | -53 | -385 | -38 | | | |

| | | | | | | | |
|----------|------|--------|-------|--------|------|-------|-------|
| 46-SS-C | 690 | -10 | 373 | -66 | | | |
| 47-SS-C | 700 | 0 | -78 | -774 | | | |
| 48-GS-C | 710 | -419 | 308 | 546 | 29 | -2 | -13 |
| 49-SS-C | 720 | -102 | -689 | -585 | | | |
| 51-FP-C | 730 | 1777 | 843 | -1867 | -391 | 4248 | 272 |
| 53-SS-C | 740 | 0 | -124 | -186 | | | |
| 54-SS-C | 750 | 3 | 38 | -666 | | | |
| 56-SS-C | 840 | 0 | 2 | -1350 | | | |
| 57-GS-C | 850 | 1125 | 403 | 106 | -9 | 0 | -2 |
| 58-SS-C | 910 | 0 | 1 | -484 | | | |
| 60-SS-C | 930 | -30 | -828 | -1608 | | | |
| 61-FP-C | 940 | -19151 | 1031 | 9016 | 1314 | 3537 | 445 |
| 62-SS-C | 950 | -32 | -58 | 417 | | | |
| 63-GS-C | 970 | 851 | 397 | -3232 | 3 | -1 | 0 |
| 64-SS-C | 980 | -10 | -979 | 203 | | | |
| 65-SS-C | 1015 | 0 | 12 | -212 | | | |
| 66-SS-C | 1040 | 3 | -235 | -988 | | | |
| 67-GS-C | 1050 | -1378 | -1344 | -7075 | 0 | 0 | 0 |
| 68-FP-C | 1055 | 14024 | 1919 | 7784 | 2444 | -3080 | -1053 |
| 70-SS-C | 1100 | 0 | 0 | 1935 | | | |
| 71-SS-C | 1102 | 18 | -917 | 965 | | | |
| 72-SS-C | 1105 | 4 | -86 | -70 | | | |
| 73-SS-C | 1110 | 0 | 0 | -570 | | | |
| 74-SS-C | 1130 | 111 | -460 | -2681 | | | |
| 76-SS-C | 1170 | 4 | 60 | 3 | | | |
| 77-GS-C | 1180 | -15240 | 827 | 399 | 1114 | 11996 | 94 |
| 78-SS-C | 1190 | 37 | -347 | 371 | | | |
| 79-SS-C | 1220 | 0 | 4 | 103 | | | |
| 80-SS-C | 1250 | 2 | -86 | -440 | | | |
| 81-GS-C | 1260 | 61 | 39 | 2291 | 0 | -1 | 0 |
| 82-SS-C | 1270 | 3 | -7 | 272 | | | |
| 83-SS-C | 1280 | 1 | 15 | -162 | | | |
| 84-SS-C | 1290 | 0 | 57 | -545 | | | |
| 87-SS-C | 1310 | 3 | -235 | -36 | | | |
| 88-SS-C | 1320 | 0 | 17 | -115 | | | |
| 90-FP-C | 1360 | -32332 | -1228 | 9780 | 997 | 8340 | -206 |
| 92-GS-C | 1400 | 1410 | -297 | -4474 | 0 | 0 | 0 |
| 93-SS-C | 1410 | 0 | 5 | 36 | | | |
| 94-GS-C | 1420 | 1013 | 53 | 3349 | 0 | 0 | 0 |
| 95-SS-C | 1430 | 0 | 0 | -92 | | | |
| 96-GS-C | 1440 | 610 | 35 | -2178 | 9 | 1 | 0 |
| 97-SS-C | 1450 | 51 | -325 | -2 | | | |
| 98-SS-C | 1480 | 14 | -181 | -42 | | | |
| 99-SS-C | 1510 | -10 | 831 | -39 | | | |
| 100-GS-C | 1520 | -1844 | -354 | -6095 | -33 | 0 | 0 |
| 101-SS-C | 1530 | -78 | -766 | -82 | | | |
| 102-FP-C | 1540 | -10561 | 63 | 5170 | 88 | 2472 | -9 |
| 103-SS-C | 1560 | 0 | -4 | -39 | | | |
| 104-SS-C | 1570 | 0 | -2 | -44 | | | |
| 105-GS-C | 1580 | 573 | -38 | 1851 | 7 | 1 | 0 |
| 108-SS-C | 1590 | 76 | -63 | 112 | | | |
| 110-GS-C | 1630 | 3657 | -317 | -11876 | 772 | -21 | 1 |
| 111-SS-C | 1670 | 46 | -1199 | 73 | | | |
| 114-SS-C | 1700 | -59 | -1117 | -337 | | | |
| 115-SS-C | 1705 | 1 | -97 | -469 | | | |
| 116-GS-C | 1710 | 6540 | 45 | -21520 | 664 | -1 | 0 |
| 117-SS-C | 1740 | 0 | -2 | -274 | | | |
| 118-GS-C | 1770 | -2671 | 295 | 11371 | -20 | -2 | 1 |
| 119-SS-C | 1780 | 0 | -19 | 472 | | | |
| 120-SS-C | 1790 | 0 | -64 | -112 | | | |
| 121-SS-C | 1800 | 0 | -641 | -592 | | | |
| 123-SS-C | 1820 | 0 | -35 | -577 | | | |
| 124-GS-C | 1830 | -5323 | 1290 | 17808 | 100 | -5 | -82 |
| 126-FP-C | 1870 | 14737 | -52 | -5085 | 2037 | -2826 | -206 |
| 128-SS-C | 1910 | 13 | -426 | -204 | | | |
| 129-GS-C | 1920 | 2113 | -205 | -7233 | 261 | -13 | 0 |
| 131-SS-C | 1940 | 0 | -70 | 1519 | | | |
| 132-SS-C | 1950 | -20 | -566 | 510 | | | |
| 133-SS-C | 1980 | 0 | -1 | -196 | | | |
| 134-SS-C | 2010 | -73 | 377 | -1787 | | | |
| 136-FP-C | 2030 | 1725 | 2394 | 8560 | 7437 | 1642 | 6965 |
| 137-SS-C | 2070 | -1 | 0 | 811 | | | |
| 138-SS-C | 2075 | 2 | 0 | 613 | | | |
| 139-SS-C | 2080 | 0 | 0 | 429 | | | |
| 140-SS-C | 2085 | 0 | 0 | 340 | | | |
| 142-SS-C | 2130 | 0 | -24 | -339 | | | |
| 143-SS-C | 2140 | 0 | -24 | -1381 | | | |

| | | | | | | | |
|----------|------|--------|-------|--------|-------|-------|-------|
| 46-SS-C | 690 | -14 | 547 | -570 | | | |
| 47-SS-C | 700 | -5 | -12 | -1106 | | | |
| 48-GS-C | 710 | -1026 | -5 | 2519 | 0 | 0 | -8 |
| 49-SS-C | 720 | -80 | -204 | -1637 | | | |
| 51-FP-C | 730 | 6639 | 314 | -504 | -700 | 3676 | -31 |
| 53-SS-C | 740 | -6 | 1 | -1737 | | | |
| 54-SS-C | 750 | 2 | 94 | -723 | | | |
| 56-SS-C | 840 | 0 | -11 | 255 | | | |
| 57-GS-C | 850 | -340 | 141 | -936 | 3 | 0 | 0 |
| 58-SS-C | 910 | 0 | -12 | 267 | | | |
| 60-SS-C | 930 | -31 | -584 | -1289 | | | |
| 61-FP-C | 940 | -15631 | 931 | 11609 | 949 | 4335 | 454 |
| 62-SS-C | 950 | -28 | -258 | -1781 | | | |
| 63-GS-C | 970 | 168 | 736 | -2025 | 2 | -1 | 0 |
| 64-SS-C | 980 | -17 | -1005 | -1006 | | | |
| 65-SS-C | 1015 | 0 | -6 | -145 | | | |
| 66-SS-C | 1040 | 7 | -375 | -851 | | | |
| 67-GS-C | 1050 | -1316 | 1726 | -3346 | 0 | 0 | 0 |
| 68-FP-C | 1055 | 21936 | -709 | 5062 | -553 | 268 | -1989 |
| 70-SS-C | 1100 | 0 | 0 | 428 | | | |
| 71-SS-C | 1102 | 0 | 0 | 527 | | | |
| 72-SS-C | 1105 | 0 | 0 | 527 | | | |
| 73-SS-C | 1110 | 0 | 0 | 248 | | | |
| 74-SS-C | 1130 | 0 | -38 | 319 | | | |
| 76-SS-C | 1170 | 0 | -58 | -701 | | | |
| 77-GS-C | 1180 | -8959 | 695 | 1365 | -658 | 12005 | -136 |
| 78-SS-C | 1190 | 41 | -418 | -354 | | | |
| 79-SS-C | 1220 | 26 | -116 | -24 | | | |
| 80-SS-C | 1250 | 0 | -103 | -305 | | | |
| 81-GS-C | 1260 | 113 | 150 | 2968 | -3 | -1 | 0 |
| 82-SS-C | 1270 | 0 | -30 | -497 | | | |
| 83-SS-C | 1280 | 0 | -26 | -435 | | | |
| 84-SS-C | 1290 | 0 | 13 | -384 | | | |
| 87-SS-C | 1310 | -2 | -140 | -164 | | | |
| 88-SS-C | 1320 | 0 | -5 | -285 | | | |
| 90-FP-C | 1360 | -31970 | -1165 | 10897 | 893 | 8554 | -250 |
| 92-GS-C | 1400 | 1410 | -325 | -4868 | 0 | 0 | 0 |
| 93-SS-C | 1410 | 0 | -2 | -263 | | | |
| 94-GS-C | 1420 | 925 | 64 | 3437 | 0 | 0 | 0 |
| 95-SS-C | 1430 | 1 | -3 | -216 | | | |
| 96-GS-C | 1440 | 464 | 34 | -1738 | 9 | 1 | 0 |
| 97-SS-C | 1450 | 51 | -321 | -131 | | | |
| 98-SS-C | 1480 | 14 | -181 | -65 | | | |
| 99-SS-C | 1510 | -10 | 836 | -89 | | | |
| 100-GS-C | 1520 | -1844 | -355 | -6167 | -33 | 0 | 0 |
| 101-SS-C | 1530 | -78 | -757 | -116 | | | |
| 102-FP-C | 1540 | -10256 | 62 | 5693 | -20 | 2389 | -9 |
| 103-SS-C | 1560 | 0 | -3 | -135 | | | |
| 104-SS-C | 1570 | 0 | -1 | -158 | | | |
| 105-GS-C | 1580 | 573 | -36 | 1706 | 5 | 1 | 0 |
| 108-SS-C | 1590 | 76 | -18 | -72 | | | |
| 110-GS-C | 1630 | 3777 | -281 | -11905 | 756 | -19 | 0 |
| 111-SS-C | 1670 | 46 | -1192 | -287 | | | |
| 114-SS-C | 1700 | -58 | -1093 | -161 | | | |
| 115-SS-C | 1705 | 0 | -64 | -171 | | | |
| 116-GS-C | 1710 | 6566 | 7 | -20973 | 659 | -1 | 0 |
| 117-SS-C | 1740 | 0 | 3 | -25 | | | |
| 118-GS-C | 1770 | -2657 | 111 | 11808 | -20 | 0 | 1 |
| 119-SS-C | 1780 | 0 | 58 | -400 | | | |
| 120-SS-C | 1790 | 0 | 34 | -518 | | | |
| 121-SS-C | 1800 | -8 | -724 | -415 | | | |
| 123-SS-C | 1820 | -9 | -164 | -629 | | | |
| 124-GS-C | 1830 | -5619 | 1465 | 18833 | 100 | -5 | -90 |
| 126-FP-C | 1870 | 18881 | -71 | -4167 | 2437 | -3225 | -357 |
| 128-SS-C | 1910 | -28 | -1073 | -1455 | | | |
| 129-GS-C | 1920 | 2071 | 365 | -6139 | 282 | -18 | 0 |
| 131-SS-C | 1940 | 0 | 131 | -471 | | | |
| 132-SS-C | 1950 | -28 | -260 | -538 | | | |
| 133-SS-C | 1980 | 0 | 3 | -75 | | | |
| 134-SS-C | 2010 | -92 | 71 | -494 | | | |
| 136-FP-C | 2030 | 955 | 1768 | 16497 | 13834 | -7005 | 12137 |
| 137-SS-C | 2070 | 0 | 0 | -778 | | | |
| 138-SS-C | 2075 | 1 | 0 | -1675 | | | |
| 139-SS-C | 2080 | 0 | 0 | -1666 | | | |
| 140-SS-C | 2085 | 0 | 0 | -786 | | | |
| 142-SS-C | 2130 | 0 | 75 | -328 | | | |
| 143-SS-C | 2140 | 0 | 78 | -332 | | | |

| | | | | | | | |
|----------|------|--------|-------|--------|-------|--------|-------|
| 145-FP-C | 2160 | 3022 | 3076 | 3265 | 2529 | -5086 | -444 |
| 1-FP-B | 3000 | 35599 | -624 | 2286 | 320 | 861 | -2357 |
| 1/1-SS-B | 3018 | 0 | 0 | 0 | | | |
| 2-GS-B | 3030 | 2281 | 471 | 7771 | -2 | 0 | 0 |
| 3-GS-B | 3050 | 2253 | 353 | -7434 | 250 | 0 | 0 |
| 4-SS-B | 3080 | 1 | 0 | 33 | | | |
| 5-GS-B | 3105 | -3102 | -350 | -10285 | -909 | 6 | 0 |
| 6-GS-B | 3130 | -4299 | 55 | 14317 | 0 | 0 | 0 |
| 7-SS-B | 3140 | 4 | -645 | -9 | | | |
| 9-FP-B | 3160 | 13626 | 54 | 6303 | 1049 | 4777 | 245 |
| 10-SS-B | 3170 | 0 | 0 | -5 | | | |
| 11-GS-B | 3180 | 491 | 41 | 1638 | 0 | 0 | 0 |
| 12-SS-B | 3190 | 3 | 293 | -5 | | | |
| 13-SS-B | 3230 | 0 | 0 | -5 | | | |
| 14-SS-B | 3260 | -3 | -294 | -5 | | | |
| 16-SS-B | 3290 | 0 | 1 | -10 | | | |
| 17-SS-B | 3300 | 31 | -1603 | 142 | | | |
| 19-FP-B | 3330 | -5339 | -1394 | 22546 | 5437 | 10326 | 2264 |
| 20-GS-B | 3340 | 2240 | 553 | -7707 | 1 | 1 | -2 |
| 21-SS-B | 3350 | 46 | -2349 | 1 | | | |
| 23-SS-B | 3390 | 0 | 0 | 11 | | | |
| 24-SS-B | 3420 | -36 | 234 | 13 | | | |
| 25-GS-B | 3440 | -3165 | -505 | 10219 | 0 | 0 | 0 |
| 26-SS-B | 3450 | -2 | -18 | -24 | | | |
| 27-SS-B | 3460 | -4 | -5 | -72 | | | |
| 29-SS-B | 3480 | -56 | -530 | -127 | | | |
| 30-FP-B | 3490 | 24276 | 901 | 6802 | 2549 | 31814 | 44 |
| 31-SS-B | 3500 | 19 | -18 | 204 | | | |
| 32-SS-B | 3510 | 1 | 0 | 58 | | | |
| 33-SS-B | 3520 | 0 | 0 | -70 | | | |
| 34-SS-B | 3522 | 0 | 0 | -198 | | | |
| 35-SS-B | 3524 | 0 | 0 | -279 | | | |
| 37-SS-B | 3550 | -1 | -9 | -88 | | | |
| 38-SS-B | 3560 | 0 | 1 | -819 | | | |
| 39-FP-B | 3570 | -8833 | 241 | 3494 | -2209 | -15258 | -633 |
| 40-SS-B | 3580 | 41 | -948 | 210 | | | |
| 41-SS-B | 3590 | -6 | 55 | -224 | | | |
| 43-GS-B | 3615 | -2572 | 863 | 8273 | 203 | 46 | 0 |
| 44-SS-B | 3620 | 1 | 47 | 173 | | | |
| 45-SS-B | 3660 | -44 | -450 | -140 | | | |
| 46-SS-B | 3690 | -10 | 373 | -499 | | | |
| 47-SS-B | 3700 | -83 | -831 | -1162 | | | |
| 48-FP-B | 3705 | 196 | 1269 | -485 | 469 | -2084 | 750 |
| 49-SS-B | 3720 | 5 | -82 | 1226 | | | |
| 50-SS-B | 3730 | -3 | -137 | 673 | | | |
| 51-SS-B | 3760 | -1 | -3 | 389 | | | |
| 52-SS-B | 3790 | 2 | 15 | -335 | | | |
| 53-SS-B | 3800 | 0 | -85 | -1138 | | | |
| 54-SS-B | 3810 | 1 | 0 | -1579 | | | |
| 56-SS-B | 3840 | 0 | -1 | -1242 | | | |
| 57-GS-B | 3850 | 633 | 789 | -909 | 0 | 0 | 0 |
| 58-SS-B | 3860 | -3 | 0 | 187 | | | |
| 60-SS-B | 3930 | -43 | -1103 | -2021 | | | |
| 61-FP-B | 3940 | -21877 | 1265 | 8192 | 1883 | 7492 | 1098 |
| 62-SS-B | 3950 | -31 | -71 | 322 | | | |
| 63-GS-B | 3970 | 607 | 342 | -2362 | 3 | 0 | 0 |
| 64-SS-B | 3980 | 1 | -1474 | 277 | | | |
| 65-SS-B | 4010 | 0 | 19 | -143 | | | |
| 66-SS-B | 4040 | 2 | 4 | -778 | | | |
| 67-GS-B | 4050 | -2690 | -894 | -10774 | 0 | 0 | 0 |
| 68-FP-B | 4055 | 18708 | 1758 | 9397 | 275 | -855 | -1378 |
| 70-SS-B | 4100 | 0 | 0 | 1552 | | | |
| 71-SS-B | 4105 | 13 | -674 | 720 | | | |
| 72-SS-B | 4110 | 4 | -225 | -156 | | | |
| 73-SS-B | 4115 | 0 | 0 | -618 | | | |
| 74-SS-B | 4150 | 87 | -324 | -2456 | | | |
| 76-SS-B | 4170 | 0 | 43 | 125 | | | |
| 77-GS-B | 4180 | -19880 | 681 | 2902 | 1340 | 22494 | 327 |
| 78-SS-B | 4190 | 45 | -592 | 460 | | | |
| 79-SS-B | 4220 | 0 | 7 | 194 | | | |
| 80-SS-B | 4250 | -1 | 129 | -257 | | | |
| 81-GS-B | 4260 | -845 | 15 | -3515 | 84 | 2 | 0 |
| 82-SS-B | 4270 | 1 | 1 | -460 | | | |
| 83-FP-B | 4280 | -7866 | -49 | -577 | -358 | 1097 | 367 |
| 84-GS-B | 4290 | 4360 | 403 | 14678 | -108 | 1 | 0 |
| 87-SS-B | 4310 | -3 | -254 | 50 | | | |
| 88-SS-B | 4320 | 0 | 9 | -19 | | | |

| | | | | | | | |
|----------|------|--------|-------|--------|-------|--------|-------|
| 145-FP-C | 2160 | 7786 | 2278 | 9961 | 5745 | -2751 | 1158 |
| 1-FP-B | 3000 | 35594 | -630 | 2288 | 315 | 856 | -2359 |
| 1/1-SS-B | 3018 | 0 | 0 | 0 | | | |
| 2-GS-B | 3030 | 2281 | 471 | 7771 | -1 | 0 | 0 |
| 3-GS-B | 3050 | 2254 | 351 | -7440 | 250 | 0 | 0 |
| 4-SS-B | 3080 | 1 | 0 | 37 | | | |
| 5-GS-B | 3105 | -3102 | -350 | -10280 | -909 | 6 | 0 |
| 6-GS-B | 3130 | -4299 | 55 | 14325 | 0 | 0 | 0 |
| 7-SS-B | 3140 | 4 | -655 | 2 | | | |
| 9-FP-B | 3160 | 13578 | 69 | 6304 | 1189 | 4780 | 274 |
| 10-SS-B | 3170 | 0 | 0 | 0 | | | |
| 11-GS-B | 3180 | 491 | 41 | 1643 | 0 | 0 | 0 |
| 12-SS-B | 3190 | 3 | 294 | 0 | | | |
| 13-SS-B | 3230 | 0 | 0 | 0 | | | |
| 14-SS-B | 3260 | -3 | -295 | 0 | | | |
| 16-SS-B | 3290 | 0 | 1 | 0 | | | |
| 17-SS-B | 3300 | 32 | -1631 | 149 | | | |
| 19-FP-B | 3330 | -5725 | -1345 | 22684 | 6386 | 9930 | 2478 |
| 20-GS-B | 3340 | 2240 | 553 | -7708 | 1 | 0 | -1 |
| 21-SS-B | 3350 | 45 | -2392 | 0 | | | |
| 23-SS-B | 3390 | 0 | 0 | 0 | | | |
| 24-SS-B | 3420 | -35 | 244 | 2 | | | |
| 25-GS-B | 3440 | -3165 | -503 | 10204 | 0 | 0 | 0 |
| 26-SS-B | 3450 | -2 | -12 | -37 | | | |
| 27-SS-B | 3460 | -7 | -21 | -62 | | | |
| 29-SS-B | 3480 | -51 | -466 | -208 | | | |
| 30-FP-B | 3490 | 25703 | 689 | 8808 | 10772 | 27456 | -502 |
| 31-SS-B | 3500 | 7 | 17 | -165 | | | |
| 32-SS-B | 3510 | 3 | 0 | -449 | | | |
| 33-SS-B | 3520 | 0 | 0 | -873 | | | |
| 34-SS-B | 3522 | 0 | 0 | -873 | | | |
| 35-SS-B | 3524 | 0 | 0 | -552 | | | |
| 37-SS-B | 3550 | -1 | -6 | 77 | | | |
| 38-SS-B | 3560 | 0 | 6 | 114 | | | |
| 39-FP-B | 3570 | -6255 | 476 | 1988 | -815 | -16175 | -911 |
| 40-SS-B | 3580 | 40 | -1531 | 234 | | | |
| 41-SS-B | 3590 | -7 | 53 | 56 | | | |
| 43-GS-B | 3615 | -2513 | 788 | 8401 | 174 | 37 | 0 |
| 44-SS-B | 3620 | -2 | 23 | -460 | | | |
| 45-SS-B | 3660 | -54 | -494 | -204 | | | |
| 46-SS-B | 3690 | -12 | 514 | -483 | | | |
| 47-SS-B | 3700 | -55 | -348 | -972 | | | |
| 48-FP-B | 3705 | 4527 | 336 | 2339 | -737 | -5307 | -299 |
| 49-SS-B | 3720 | 15 | 27 | -1067 | | | |
| 50-SS-B | 3730 | -10 | -177 | -669 | | | |
| 51-SS-B | 3760 | -1 | 2 | -38 | | | |
| 52-SS-B | 3790 | 0 | 104 | -836 | | | |
| 53-SS-B | 3800 | 0 | 56 | -1213 | | | |
| 54-SS-B | 3810 | 3 | 75 | -657 | | | |
| 56-SS-B | 3840 | 0 | -11 | 227 | | | |
| 57-GS-B | 3850 | -750 | 258 | -2380 | 0 | 0 | 0 |
| 58-SS-B | 3860 | -4 | -11 | 202 | | | |
| 60-SS-B | 3930 | -45 | -713 | -1059 | | | |
| 61-FP-B | 3940 | -19606 | 1209 | 13095 | 1535 | 11350 | 1042 |
| 62-SS-B | 3950 | -31 | -249 | -1605 | | | |
| 63-GS-B | 3970 | 1390 | 565 | -2358 | 3 | 0 | 0 |
| 64-SS-B | 3980 | -6 | -1489 | -830 | | | |
| 65-SS-B | 4010 | 0 | -9 | -293 | | | |
| 66-SS-B | 4040 | 2 | -83 | -701 | | | |
| 67-GS-B | 4050 | -2055 | 1985 | -6446 | 0 | 0 | 0 |
| 68-FP-B | 4055 | 25094 | -732 | 6298 | -3318 | 3992 | -3182 |
| 70-SS-B | 4100 | 0 | 0 | 411 | | | |
| 71-SS-B | 4105 | 0 | 0 | 446 | | | |
| 72-SS-B | 4110 | 0 | 0 | 446 | | | |
| 73-SS-B | 4115 | 0 | 0 | 229 | | | |
| 74-SS-B | 4150 | -3 | -62 | 277 | | | |
| 76-SS-B | 4170 | -1 | -47 | -597 | | | |
| 77-GS-B | 4180 | -14716 | 524 | 3760 | -688 | 22867 | -51 |
| 78-SS-B | 4190 | 45 | -647 | -299 | | | |
| 79-SS-B | 4220 | 11 | -68 | -87 | | | |
| 80-SS-B | 4250 | -1 | 102 | -254 | | | |
| 81-GS-B | 4260 | -896 | 140 | -3247 | 85 | 1 | 0 |
| 82-SS-B | 4270 | 5 | -111 | -418 | | | |
| 83-FP-B | 4280 | -6876 | 48 | 14 | -566 | 666 | 435 |
| 84-GS-B | 4290 | 4359 | 384 | 14254 | -110 | 1 | 0 |
| 87-SS-B | 4310 | -3 | -236 | -142 | | | |
| 88-SS-B | 4320 | 0 | -4 | -247 | | | |

| | | | | | | | |
|----------|------|--------|-------|--------|-------|--------|-------|
| 89-SS-B | 4330 | 114 | -689 | -85 | | | |
| 90-SS-B | 4360 | -5 | -81 | -113 | | | |
| 91-SS-B | 4390 | -6 | 752 | -142 | | | |
| 92-GS-B | 4400 | -148 | -55 | -187 | 0 | 0 | 0 |
| 93-SS-B | 4410 | -11 | -149 | -23 | | | |
| 94-FP-B | 4420 | -3120 | 97 | 4158 | -530 | -1826 | 256 |
| 95-GS-B | 4430 | 0 | 0 | 73 | 0 | 0 | 0 |
| 96-SS-B | 4440 | 608 | 25 | -2000 | | | |
| 97-SS-B | 4450 | 24 | -259 | -16 | | | |
| 98-SS-B | 4480 | 10 | -233 | -87 | | | |
| 99-SS-B | 4510 | -12 | 657 | -61 | | | |
| 100-GS-B | 4520 | -1376 | -268 | -4582 | -20 | 0 | 0 |
| 101-SS-B | 4530 | 0 | 0 | -119 | | | |
| 102-FP-B | 4540 | 223 | 40 | 6400 | -729 | 803 | -50 |
| 103-SS-B | 4560 | 0 | -4 | 88 | | | |
| 104-SS-B | 4580 | 5 | -53 | 50 | | | |
| 105-GS-B | 4590 | 606 | -71 | -2025 | -1 | 0 | -1 |
| 106-SS-B | 4600 | -1 | 160 | -16 | | | |
| 107-SS-B | 4630 | 0 | -81 | -54 | | | |
| 109-SS-B | 4660 | -52 | -536 | -123 | | | |
| 110-GS-B | 4670 | -468 | 27 | -1686 | 0 | 0 | 0 |
| 111-FP-B | 4680 | 31 | -513 | -7580 | 433 | 8928 | -805 |
| 114-SS-B | 4700 | -68 | -1080 | 110 | | | |
| 115-SS-B | 4705 | 0 | -82 | 19 | | | |
| 116-GS-B | 4710 | 2393 | 334 | -7499 | 696 | -3 | 0 |
| 117-SS-B | 4740 | 0 | -5 | 58 | | | |
| 118-GS-B | 4770 | -1453 | -304 | -4741 | -442 | 2 | 5 |
| 119-SS-B | 4780 | -120 | -645 | -520 | | | |
| 120-FP-B | 4790 | 5969 | 1253 | 13259 | 702 | -7419 | 83 |
| 121-SS-B | 4800 | -10 | -336 | 146 | | | |
| 123-SS-B | 4820 | 0 | -30 | -507 | | | |
| 124-GS-B | 4830 | 258 | 259 | 2797 | 1 | 0 | 0 |
| 125-SS-B | 4840 | 1 | -231 | 340 | | | |
| 126-SS-B | 4870 | 0 | -3 | 222 | | | |
| 127-SS-B | 4900 | -1 | 164 | -185 | | | |
| 128-SS-B | 4910 | -5 | -153 | -711 | | | |
| 129-FP-B | 4920 | 7773 | -112 | -5623 | 1683 | 4605 | 53 |
| 131-SS-B | 4940 | 0 | -61 | 1306 | | | |
| 132-SS-B | 4950 | -15 | -405 | 452 | | | |
| 133-SS-B | 4980 | 0 | -2 | -325 | | | |
| 134-SS-B | 5010 | -100 | -150 | -1681 | | | |
| 136-FP-B | 5030 | -665 | 2329 | 7439 | 7885 | 3420 | 10859 |
| 137-SS-B | 5070 | -1 | 0 | 578 | | | |
| 138-SS-B | 5075 | 1 | 0 | 407 | | | |
| 139-SS-B | 5080 | 0 | 0 | 253 | | | |
| 140-SS-B | 5085 | 0 | 0 | 171 | | | |
| 142-SS-B | 5130 | 1 | -23 | -418 | | | |
| 143-SS-B | 5140 | -1 | -21 | -1314 | | | |
| 145-FP-B | 5160 | 3299 | 925 | 3141 | 3431 | -13080 | -631 |
| 1-FP-A | 9000 | -65593 | -1013 | -6444 | -3003 | 1030 | 2087 |
| 1/1-SS-A | 9018 | 0 | 0 | 0 | | | |
| 2-GS-A | 9030 | 4058 | 711 | 8318 | -1 | 0 | 0 |
| 3-GS-A | 9050 | 3141 | 412 | -8906 | 262 | -6 | 0 |
| 4-SS-A | 9080 | 0 | 0 | 36 | | | |
| 5-GS-A | 9105 | -3097 | -332 | -10268 | -930 | 6 | 0 |
| 6-GS-A | 9130 | -4290 | -94 | 14237 | 0 | 0 | 0 |
| 7-SS-A | 9140 | -4 | -30 | 1 | | | |
| 9-FP-A | 9160 | 13435 | 180 | 6550 | 925 | 4497 | 144 |
| 10-SS-A | 9170 | 0 | 0 | -2 | | | |
| 11-GS-A | 9180 | 394 | 34 | 1318 | 0 | 0 | 0 |
| 12-SS-A | 9190 | 0 | -9 | 0 | | | |
| 13-SS-A | 9230 | 0 | 0 | 0 | | | |
| 14-SS-A | 9260 | 0 | -37 | 0 | | | |
| 16-SS-A | 9290 | 0 | 39 | 0 | | | |
| 17-SS-A | 9300 | 28 | -1618 | 152 | | | |
| 19-FP-A | 9330 | -5339 | -1394 | 22546 | 5437 | 10326 | 2264 |
| 20-GS-A | 9340 | 2240 | 553 | -7707 | 1 | 1 | -2 |
| 21-SS-A | 9350 | 46 | -2349 | 1 | | | |
| 23-SS-A | 9390 | 0 | 0 | 11 | | | |
| 24-SS-A | 9420 | -36 | 234 | 13 | | | |
| 25-GS-A | 9440 | -3165 | -505 | 10219 | 0 | 0 | 0 |
| 26-SS-A | 9450 | -2 | -18 | -24 | | | |
| 27-SS-A | 9460 | -4 | -5 | -72 | | | |
| 29-SS-A | 9480 | -56 | -530 | -127 | | | |
| 30-FP-A | 9490 | 24276 | 901 | 6802 | 2549 | 31814 | 44 |
| 31-SS-A | 9500 | 19 | -18 | 204 | | | |
| 32-SS-A | 9510 | 1 | 0 | 58 | | | |

| | | | | | | | |
|----------|------|--------|-------|--------|-------|--------|-------|
| 89-SS-B | 4330 | 114 | -700 | -162 | | | |
| 90-SS-B | 4360 | -5 | -82 | -35 | | | |
| 91-SS-B | 4390 | -7 | 777 | -147 | | | |
| 92-GS-B | 4400 | -387 | -1 | 590 | 0 | 0 | 0 |
| 93-SS-B | 4410 | -10 | -193 | -225 | | | |
| 94-FP-B | 4420 | -2818 | 108 | 4088 | -508 | -2192 | 252 |
| 95-GS-B | 4430 | 0 | -3 | -190 | 0 | 0 | 0 |
| 96-SS-B | 4440 | 502 | 27 | -1837 | | | |
| 97-SS-B | 4450 | 24 | -257 | -104 | | | |
| 98-SS-B | 4480 | 11 | -235 | -93 | | | |
| 99-SS-B | 4510 | -12 | 665 | -75 | | | |
| 100-GS-B | 4520 | -1345 | -270 | -4515 | -20 | 0 | 0 |
| 101-SS-B | 4530 | 0 | 5 | -122 | | | |
| 102-FP-B | 4540 | 476 | 32 | 6772 | -744 | 1039 | -56 |
| 103-SS-B | 4560 | 0 | -3 | -118 | | | |
| 104-SS-B | 4580 | 5 | -52 | -136 | | | |
| 105-GS-B | 4590 | 480 | -72 | -1893 | -1 | 0 | -1 |
| 106-SS-B | 4600 | -1 | 160 | -83 | | | |
| 107-SS-B | 4630 | 0 | -88 | -31 | | | |
| 109-SS-B | 4660 | -52 | -534 | -151 | | | |
| 110-GS-B | 4670 | -468 | 35 | -1751 | 0 | 0 | 0 |
| 111-FP-B | 4680 | 576 | -529 | -7043 | 332 | 9188 | -816 |
| 114-SS-B | 4700 | -68 | -1066 | -182 | | | |
| 115-SS-B | 4705 | -2 | -73 | -156 | | | |
| 116-GS-B | 4710 | 2358 | 285 | -7647 | 696 | -2 | 0 |
| 117-SS-B | 4740 | -1 | -5 | -51 | | | |
| 118-GS-B | 4770 | -1381 | -366 | -4535 | -442 | 3 | 5 |
| 119-SS-B | 4780 | -123 | -610 | -353 | | | |
| 120-FP-B | 4790 | 6331 | 1225 | 13521 | 541 | -7077 | 108 |
| 121-SS-B | 4800 | -16 | -339 | -364 | | | |
| 123-SS-B | 4820 | -3 | -31 | -572 | | | |
| 124-GS-B | 4830 | -260 | 158 | 4485 | 1 | 0 | 0 |
| 125-SS-B | 4840 | 1 | -195 | -523 | | | |
| 126-SS-B | 4870 | 0 | 1 | -49 | | | |
| 127-SS-B | 4900 | -2 | 203 | -593 | | | |
| 128-SS-B | 4910 | -15 | -270 | -1122 | | | |
| 129-FP-B | 4920 | 12779 | -247 | -3225 | 2459 | 7544 | -191 |
| 131-SS-B | 4940 | 0 | 116 | -415 | | | |
| 132-SS-B | 4950 | -16 | -144 | -456 | | | |
| 133-SS-B | 4980 | 0 | 5 | -155 | | | |
| 134-SS-B | 5010 | -100 | -226 | -435 | | | |
| 136-FP-B | 5030 | -1191 | 1770 | 13294 | 15513 | -8999 | 16413 |
| 137-SS-B | 5070 | 1 | 0 | -717 | | | |
| 138-SS-B | 5075 | 0 | 0 | -1419 | | | |
| 139-SS-B | 5080 | 0 | 0 | -1411 | | | |
| 140-SS-B | 5085 | 0 | 0 | -726 | | | |
| 142-SS-B | 5130 | 1 | 73 | -311 | | | |
| 143-SS-B | 5140 | -1 | 66 | -286 | -2 | 0 | 0 |
| 145-FP-B | 5160 | 7150 | 341 | 8440 | 8625 | -13157 | 172 |
| 1-FP-A | 9000 | -65413 | -750 | -5686 | -3800 | -2115 | 2268 |
| 1/1-SS-A | 9018 | 0 | 0 | 0 | | | |
| 2-GS-A | 9030 | 4305 | 732 | 8283 | -2 | 0 | 0 |
| 3-GS-A | 9050 | 2887 | 397 | -8902 | 263 | -6 | 0 |
| 4-SS-A | 9080 | 0 | 0 | 36 | | | |
| 5-GS-A | 9105 | -3097 | -332 | -10266 | -930 | 7 | 0 |
| 6-GS-A | 9130 | -4290 | -94 | 14239 | 0 | 0 | 0 |
| 7-SS-A | 9140 | -4 | -46 | 4 | | | |
| 9-FP-A | 9160 | 13395 | 199 | 6540 | 1070 | 4519 | 171 |
| 10-SS-A | 9170 | 0 | -1 | 0 | | | |
| 11-GS-A | 9180 | 394 | 34 | 1318 | 0 | 0 | 0 |
| 12-SS-A | 9190 | 0 | -9 | 0 | | | |
| 13-SS-A | 9230 | 0 | 0 | 0 | | | |
| 14-SS-A | 9260 | 0 | -37 | 0 | | | |
| 16-SS-A | 9290 | 0 | 40 | 0 | | | |
| 17-SS-A | 9300 | 28 | -1649 | 149 | | | |
| 19-FP-A | 9330 | -5725 | -1345 | 22684 | 6386 | 9930 | 2478 |
| 20-GS-A | 9340 | 2240 | 553 | -7708 | 1 | 0 | -1 |
| 21-SS-A | 9350 | 45 | -2392 | 0 | | | |
| 23-SS-A | 9390 | 0 | 0 | 0 | | | |
| 24-SS-A | 9420 | -35 | 244 | 2 | | | |
| 25-GS-A | 9440 | -3165 | -503 | 10204 | 0 | 0 | 0 |
| 26-SS-A | 9450 | -2 | -12 | -37 | | | |
| 27-SS-A | 9460 | -7 | -21 | -62 | | | |
| 29-SS-A | 9480 | -51 | -466 | -208 | | | |
| 30-FP-A | 9490 | 25703 | 689 | 8808 | 10772 | 27456 | -502 |
| 31-SS-A | 9500 | 7 | 17 | -165 | | | |
| 32-SS-A | 9510 | 3 | 0 | -449 | | | |

| | | | | | | | |
|----------|-------|--------|-------|-------|-------|--------|-------|
| 33-SS-A | 9515 | 0 | 0 | -128 | | | |
| 34-SS-A | 9520 | 0 | 0 | -127 | | | |
| 35-SS-A | 9522 | 0 | 0 | -90 | | | |
| 37-SS-A | 9550 | -2 | -13 | -556 | | | |
| 38-SS-A | 9560 | 0 | 1 | -727 | | | |
| 39-FP-A | 9570 | -9380 | 318 | 4262 | -2276 | -14472 | -597 |
| 40-SS-A | 9580 | 50 | -1173 | -519 | | | |
| 41-SS-A | 9590 | 0 | 0 | -346 | | | |
| 43-GS-A | 9615 | -2597 | 1111 | 9242 | 177 | 50 | 0 |
| 44-SS-A | 9620 | 3 | 102 | -272 | | | |
| 45-SS-A | 9660 | -34 | -500 | -131 | | | |
| 46-SS-A | 9690 | -16 | 274 | -301 | | | |
| 47-SS-A | 9700 | -72 | -767 | -671 | | | |
| 48-FP-A | 9710 | 377 | 1279 | 848 | 916 | -2606 | 774 |
| 49-SS-A | 9720 | 0 | -82 | -780 | | | |
| 50-SS-A | 9730 | 8 | 104 | -432 | | | |
| 51-SS-A | 9770 | 0 | -11 | -120 | | | |
| 52-SS-A | 9795 | -5 | -178 | -509 | | | |
| 53-SS-A | 9800 | 0 | -86 | -816 | | | |
| 54-SS-A | 9810 | 0 | -57 | -462 | | | |
| 56-SS-A | 9840 | 0 | -2 | -1793 | | | |
| 57-GS-A | 9850 | 619 | 797 | 307 | -32 | 0 | -5 |
| 58-SS-A | 9910 | 0 | -2 | -1778 | | | |
| 60-SS-A | 9930 | -41 | -1067 | -458 | | | |
| 61-FP-A | 9940 | -21152 | 1178 | 10546 | 1854 | 6958 | 1042 |
| 62-SS-A | 9950 | -30 | -65 | -853 | | | |
| 63-GS-A | 9970 | 745 | 370 | -3314 | 3 | 0 | 0 |
| 64-SS-A | 9980 | 23 | -1944 | -385 | | | |
| 65-SS-A | 10010 | 0 | 22 | -196 | | | |
| 66-SS-A | 10040 | -17 | 488 | -340 | | | |
| 67-GS-A | 10050 | -2022 | -917 | -8374 | 0 | 0 | 0 |
| 68-FP-A | 10055 | 17275 | 1444 | 9459 | 1873 | -3673 | -1613 |
| 70-SS-A | 10100 | 0 | 0 | -874 | | | |
| 71-SS-A | 10105 | 10 | -503 | -838 | | | |
| 72-SS-A | 10110 | 5 | -309 | -856 | | | |
| 73-SS-A | 10115 | 0 | 0 | -456 | | | |
| 74-SS-A | 10150 | 116 | -362 | -451 | | | |
| 76-SS-A | 10170 | -1 | 37 | -574 | | | |
| 77-GS-A | 10180 | -19286 | 762 | 2783 | 1322 | 23402 | 293 |
| 78-SS-A | 10190 | 55 | -1014 | -272 | | | |
| 79-SS-A | 10220 | 0 | 7 | -140 | | | |
| 80-SS-A | 10250 | -9 | 504 | -231 | | | |
| 81-GS-A | 10260 | -713 | 17 | -3329 | 85 | 1 | 0 |
| 82-SS-A | 10270 | 1 | 2 | -414 | | | |
| 83-FP-A | 10280 | -7812 | -16 | 412 | -292 | 888 | 375 |
| 84-GS-A | 10290 | 4139 | 347 | 13530 | 5 | 0 | 0 |
| 87-SS-A | 10310 | 0 | -45 | -35 | | | |
| 88-SS-A | 10320 | 0 | 4 | -66 | | | |
| 89-SS-A | 10330 | 108 | -729 | -68 | | | |
| 90-SS-A | 10360 | -6 | -98 | -37 | | | |
| 91-SS-A | 10390 | -8 | 801 | -35 | | | |
| 92-GS-A | 10400 | -220 | -79 | -298 | 0 | 0 | 0 |
| 93-SS-A | 10410 | -9 | -120 | -62 | 0 | 0 | 0 |
| 94-FP-A | 10420 | -2903 | 86 | 4423 | -548 | -1655 | 256 |
| 95-GS-A | 10430 | 0 | 0 | -51 | 0 | 0 | 0 |
| 96-SS-A | 10440 | 634 | 26 | -2162 | | | |
| 97-SS-A | 10450 | 26 | -455 | -39 | | | |
| 98-SS-A | 10480 | 9 | -231 | -77 | | | |
| 99-SS-A | 10510 | -17 | 830 | -29 | | | |
| 100-GS-A | 10520 | -1389 | -242 | -4581 | -22 | 0 | 0 |
| 101-SS-A | 10530 | 0 | 0 | -33 | | | |
| 102-FP-A | 10540 | 444 | 34 | 6604 | -588 | 797 | -51 |
| 103-SS-A | 10560 | 1 | -8 | -32 | | | |
| 104-SS-A | 10580 | 0 | -2 | -37 | | | |
| 105-GS-A | 10590 | 652 | -140 | -2115 | 0 | 0 | 0 |
| 106-SS-A | 10600 | -1 | 274 | -21 | | | |
| 107-SS-A | 10630 | 2 | -81 | -28 | | | |
| 109-SS-A | 10660 | -53 | -770 | -74 | | | |
| 110-GS-A | 10670 | -480 | 27 | -1654 | 0 | 0 | 0 |
| 111-FP-A | 10680 | -844 | -510 | -7213 | 418 | 8989 | -777 |
| 114-SS-A | 10700 | -63 | -910 | -195 | | | |
| 115-SS-A | 10705 | 0 | -80 | -174 | | | |
| 116-GS-A | 10710 | 2372 | 449 | -7477 | 1234 | -10 | 0 |
| 117-SS-A | 10740 | 0 | -6 | -79 | | | |
| 118-GS-A | 10770 | -1544 | -424 | -4970 | -917 | 7 | 5 |
| 119-SS-A | 10780 | -120 | -640 | -388 | | | |
| 120-FP-A | 10790 | 6670 | 1224 | 13887 | 818 | -6824 | 78 |

| | | | | | | | |
|----------|-------|--------|-------|-------|-------|--------|-------|
| 33-SS-A | 9515 | 0 | 0 | -868 | | | |
| 34-SS-A | 9520 | 0 | 0 | -868 | | | |
| 35-SS-A | 9522 | 0 | 0 | -612 | | | |
| 37-SS-A | 9550 | -2 | -8 | 81 | | | |
| 38-SS-A | 9560 | 0 | 5 | 113 | | | |
| 39-FP-A | 9570 | -6729 | 558 | 1898 | -826 | -15573 | -870 |
| 40-SS-A | 9580 | 47 | -1766 | 257 | | | |
| 41-SS-A | 9590 | 0 | 2 | 54 | | | |
| 43-GS-A | 9615 | -2531 | 1034 | 8787 | 149 | 40 | 0 |
| 44-SS-A | 9620 | 0 | 79 | -437 | | | |
| 45-SS-A | 9660 | -41 | -543 | -176 | | | |
| 46-SS-A | 9690 | -17 | 405 | -470 | | | |
| 47-SS-A | 9700 | -45 | -287 | -983 | | | |
| 48-FP-A | 9710 | 4689 | 355 | 2484 | -502 | -5820 | -270 |
| 49-SS-A | 9720 | -5 | -11 | -1156 | | | |
| 50-SS-A | 9730 | -8 | -3 | -612 | | | |
| 51-SS-A | 9770 | 0 | 7 | -186 | | | |
| 52-SS-A | 9795 | -3 | -77 | -767 | | | |
| 53-SS-A | 9800 | 0 | 57 | -1230 | | | |
| 54-SS-A | 9810 | -1 | 25 | -695 | | | |
| 56-SS-A | 9840 | 0 | -13 | 233 | | | |
| 57-GS-A | 9850 | -789 | 247 | -2520 | -2 | 0 | -2 |
| 58-SS-A | 9910 | 0 | -12 | 224 | | | |
| 60-SS-A | 9930 | -44 | -667 | -1041 | | | |
| 61-FP-A | 9940 | -18940 | 1136 | 13432 | 1592 | 10860 | 980 |
| 62-SS-A | 9950 | -31 | -258 | -1611 | | | |
| 63-GS-A | 9970 | 1542 | 610 | -2809 | 3 | 0 | 0 |
| 64-SS-A | 9980 | 12 | -1950 | -783 | | | |
| 65-SS-A | 10010 | 0 | -10 | -405 | | | |
| 66-SS-A | 10040 | -22 | 457 | -659 | | | |
| 67-GS-A | 10050 | -1546 | 1768 | -4899 | 0 | 0 | 0 |
| 68-FP-A | 10055 | 23786 | -538 | 5025 | -2826 | 1084 | -3270 |
| 70-SS-A | 10100 | 0 | 0 | 434 | | | |
| 71-SS-A | 10105 | 0 | 0 | 440 | | | |
| 72-SS-A | 10110 | 0 | 0 | 441 | | | |
| 73-SS-A | 10115 | 0 | 0 | 226 | | | |
| 74-SS-A | 10150 | -5 | -102 | 259 | | | |
| 76-SS-A | 10170 | -1 | -37 | -574 | | | |
| 77-GS-A | 10180 | -14136 | 552 | 3747 | -704 | 23521 | -69 |
| 78-SS-A | 10190 | 53 | -1057 | -273 | | | |
| 79-SS-A | 10220 | 6 | -73 | -133 | | | |
| 80-SS-A | 10250 | -11 | 491 | -232 | | | |
| 81-GS-A | 10260 | -916 | 146 | -3293 | 86 | 1 | 0 |
| 82-SS-A | 10270 | 6 | -111 | -408 | | | |
| 83-FP-A | 10280 | -6673 | 78 | 538 | -489 | 438 | 439 |
| 84-GS-A | 10290 | 4138 | 331 | 13528 | 5 | 0 | 0 |
| 87-SS-A | 10310 | 0 | -33 | -135 | | | |
| 88-SS-A | 10320 | 0 | -4 | -239 | | | |
| 89-SS-A | 10330 | 108 | -738 | -154 | | | |
| 90-SS-A | 10360 | -6 | -101 | -59 | | | |
| 91-SS-A | 10390 | -10 | 824 | -133 | | | |
| 92-GS-A | 10400 | -447 | -26 | 307 | 0 | 0 | 0 |
| 93-SS-A | 10410 | -8 | -163 | -216 | | | |
| 94-FP-A | 10420 | -2621 | 97 | 4348 | -523 | -2039 | 253 |
| 95-GS-A | 10430 | 1 | -3 | -182 | 0 | 0 | 0 |
| 96-SS-A | 10440 | 535 | 29 | -1946 | | | |
| 97-SS-A | 10450 | 25 | -456 | -94 | | | |
| 98-SS-A | 10480 | 10 | -233 | -99 | | | |
| 99-SS-A | 10510 | -17 | 839 | -70 | | | |
| 100-GS-A | 10520 | -1364 | -243 | -4580 | -22 | 0 | 0 |
| 101-SS-A | 10530 | 0 | 5 | -116 | | | |
| 102-FP-A | 10540 | 692 | 26 | 6869 | -604 | 1044 | -57 |
| 103-SS-A | 10560 | 1 | -7 | -112 | | | |
| 104-SS-A | 10580 | 0 | -1 | -131 | | | |
| 105-GS-A | 10590 | 535 | -140 | -1956 | 0 | 0 | 0 |
| 106-SS-A | 10600 | -1 | 274 | -74 | | | |
| 107-SS-A | 10630 | 1 | -87 | -38 | | | |
| 109-SS-A | 10660 | -53 | -769 | -137 | | | |
| 110-GS-A | 10670 | -480 | 33 | -1782 | 0 | 0 | 0 |
| 111-FP-A | 10680 | -311 | -524 | -6818 | 314 | 9263 | -791 |
| 114-SS-A | 10700 | -64 | -901 | -182 | | | |
| 115-SS-A | 10705 | -1 | -74 | -152 | | | |
| 116-GS-A | 10710 | 2345 | 404 | -7580 | 1231 | -8 | 0 |
| 117-SS-A | 10740 | -1 | -8 | -67 | | | |
| 118-GS-A | 10770 | -1484 | -484 | -4859 | -917 | 8 | 6 |
| 119-SS-A | 10780 | -123 | -609 | -341 | | | |
| 120-FP-A | 10790 | 7058 | 1196 | 13656 | 625 | -6514 | 103 |

| | | | | | | | |
|----------|-------|-------|------|-------|------|--------|-------|
| 121-SS-A | 10800 | -9 | -188 | -398 | | | |
| 123-SS-A | 10820 | 0 | -30 | -253 | | | |
| 124-GS-A | 10830 | 153 | 237 | 2903 | 2 | 0 | 0 |
| 125-SS-A | 10840 | 1 | -282 | -216 | | | |
| 126-SS-A | 10870 | 0 | -8 | -53 | | | |
| 127-SS-A | 10900 | -2 | 218 | -257 | | | |
| 128-SS-A | 10910 | -4 | -138 | -518 | | | |
| 129-FP-A | 10920 | 7957 | -81 | -4420 | 1754 | 4852 | 36 |
| 131-SS-A | 10940 | 0 | -61 | -767 | | | |
| 132-SS-A | 10950 | -11 | -272 | -789 | | | |
| 133-SS-A | 10980 | 0 | -3 | -407 | | | |
| 134-SS-A | 11010 | -110 | -506 | -696 | | | |
| 136-FP-A | 11030 | -1181 | 2171 | 9604 | 6943 | -599 | 11577 |
| 137-SS-A | 11070 | -1 | 0 | -75 | | | |
| 138-SS-A | 11075 | 1 | 0 | -164 | | | |
| 139-SS-A | 11080 | 0 | 0 | -158 | | | |
| 140-SS-A | 11085 | 0 | 0 | -80 | | | |
| 142-SS-A | 11130 | 0 | -24 | -994 | | | |
| 143-SS-A | 11140 | 0 | -20 | -859 | | | |
| 145-FP-A | 11160 | 3509 | 960 | 3250 | 3486 | -13566 | 5603 |
| 1CH-SS-B | 12520 | -14 | 0 | 77 | | | |
| 2CH-SS-B | 12530 | 22 | 0 | -69 | | | |
| 3CH-SS-B | 12550 | 0 | 0 | 0 | | | |
| 1CH-SS-A | 12750 | -1 | 0 | 27 | | | |
| 2CH-SS-A | 12760 | 8 | 0 | -27 | | | |
| 3CH-SS-A | 12780 | 0 | 0 | 0 | | | |

| | | | | | | | |
|----------|-------|-------|------|-------|------|--------|-------|
| 121-SS-A | 10800 | -14 | -195 | -347 | | | |
| 123-SS-A | 10820 | -3 | -23 | -562 | | | |
| 124-GS-A | 10830 | -340 | 133 | 4009 | 1 | 0 | 0 |
| 125-SS-A | 10840 | 2 | -250 | -482 | | | |
| 126-SS-A | 10870 | 0 | 2 | -114 | | | |
| 127-SS-A | 10900 | -2 | 257 | -550 | | | |
| 128-SS-A | 10910 | -14 | -243 | -1105 | | | |
| 129-FP-A | 10920 | 12929 | -214 | -2665 | 2441 | 7233 | -209 |
| 131-SS-A | 10940 | 0 | 0 | 1 | | | |
| 132-SS-A | 10950 | -9 | -166 | 0 | | | |
| 133-SS-A | 10980 | -809 | 79 | -305 | | | |
| 134-SS-A | 11010 | -834 | -440 | -334 | | | |
| 136-FP-A | 11030 | 4454 | 1342 | 5081 | 7016 | -23615 | 10650 |
| 137-SS-A | 11070 | -125 | -278 | -2001 | | | |
| 138-SS-A | 11075 | 2 | 0 | -5 | | | |
| 139-SS-A | 11080 | 0 | 0 | 0 | | | |
| 140-SS-A | 11085 | 0 | 0 | 0 | | | |
| 142-SS-A | 11130 | -1913 | 407 | 3375 | | | |
| 143-SS-A | 11140 | 0 | 0 | 0 | | | |
| 145-FP-A | 11160 | 7277 | 380 | 8454 | 8559 | -14083 | 34 |
| 1CH-SS-B | 12520 | -13 | -118 | 78 | | | |
| 2CH-SS-B | 12530 | 21 | 0 | -70 | | | |
| 3CH-SS-B | 12550 | 0 | 0 | 0 | | | |
| 1CH-SS-A | 12750 | -1 | 0 | 27 | | | |
| 2CH-SS-A | 12760 | 8 | 0 | -27 | | | |
| 3CH-SS-A | 12780 | 0 | 0 | 0 | | | |

| Expanze od provozní teploty + vítr 4 | | | | | | | |
|--------------------------------------|------|--------|-------|--------|-------|-------|-------|
| | | fx | fy | fz | mx | my | mz |
| Č. uložení | Node | (N) | (N) | (N) | (Nm) | (Nm) | (Nm) |
| 1/1-SS-C | 20 | 0 | 0 | 0 | | | |
| 3-GS-C | 50 | 82 | -1147 | -63 | 150 | -10 | 0 |
| 4-SS-C | 80 | -42 | -269 | -62 | | | |
| 5-GS-C | 110 | -5183 | -56 | -17311 | -1096 | -14 | 0 |
| 6-GS-C | 130 | -7380 | 2286 | 25751 | 0 | 0 | 0 |
| 7-SS-C | 140 | -25 | -817 | 0 | | | |
| 9-SS-C | 160 | 4 | -2328 | 0 | | | |
| 10-SS-C | 170 | 0 | 0 | 0 | | | |
| 11-GS-C | 180 | 4 | -86 | 8 | 0 | 0 | 0 |
| 13-FP-C | 230 | 33040 | 2875 | 9906 | -2976 | -7899 | -1467 |
| 16-SS-C | 290 | 89 | -1658 | 163 | | | |
| 17-SS-C | 300 | 90 | -1364 | 135 | | | |
| 19-SS-C | 330 | -112 | -877 | 111 | | | |
| 20-GS-C | 340 | 2085 | 676 | 7330 | -5 | 1 | 3 |
| 21-SS-C | 350 | -6 | -1073 | 0 | | | |
| 23-SS-C | 390 | 45 | -1500 | -69 | | | |
| 24-SS-C | 420 | -47 | 1553 | 15 | | | |
| 25-GS-C | 440 | -1568 | -415 | 5069 | 0 | 0 | 0 |
| 26-SS-C | 450 | 0 | -3 | 45 | | | |
| 27-SS-C | 460 | 0 | -82 | 42 | | | |
| 29-SS-C | 480 | -1 | 70 | 186 | | | |
| 30-FP-C | 490 | 17706 | 584 | 2648 | -7491 | 16583 | -1070 |
| 31-SS-C | 500 | -145 | -400 | 145 | | | |
| 32-SS-C | 507 | 0 | -75 | 481 | | | |
| 33-SS-C | 510 | 2 | -2 | 1034 | | | |
| 34-SS-C | 520 | 0 | 0 | 1036 | | | |
| 35-SS-C | 522 | 0 | -622 | 363 | | | |
| 37-SS-C | 550 | -5 | -38 | -94 | | | |
| 38-SS-C | 560 | 0 | -6 | -134 | | | |
| 39-FP-C | 570 | -10233 | 892 | 4964 | 456 | -8982 | -386 |
| 40-SS-C | 580 | 6 | -729 | -124 | | | |
| 41-SS-C | 590 | -3 | -110 | -81 | | | |
| 43-GS-C | 615 | -793 | 460 | 3292 | -150 | 29 | 0 |
| 44-SS-C | 620 | 0 | 17 | 558 | | | |
| 45-SS-C | 660 | -51 | -248 | -51 | | | |
| 46-SS-C | 690 | -11 | 341 | 569 | | | |
| 47-SS-C | 700 | 0 | -49 | 1112 | | | |
| 48-GS-C | 710 | 980 | 300 | -2228 | 36 | -3 | 39 |
| 49-SS-C | 720 | -92 | -501 | 1644 | | | |
| 51-FP-C | 730 | 1739 | 526 | -5170 | -366 | 6315 | 58 |
| 53-SS-C | 740 | 0 | -82 | 1764 | | | |
| 54-SS-C | 750 | 1 | 21 | 722 | | | |
| 56-SS-C | 840 | 0 | 15 | -254 | | | |
| 57-GS-C | 850 | -520 | 173 | -2122 | -1 | 0 | 0 |
| 58-SS-C | 910 | 0 | 15 | -267 | | | |
| 60-SS-C | 930 | -30 | -630 | 1375 | | | |

| Provozní zatížení (W+P1+T1) + vítr 1 | | | | | | | |
|--------------------------------------|------|--------|---------|--------|-------|-------|-------|
| | | fx | fy | fz | mx | my | mz |
| Č. uložení | Node | (N) | (N) | (N) | (Nm) | (Nm) | (Nm) |
| 1/1-SS-C | 20 | -8153 | -125417 | 11017 | | | |
| 3-GS-C | 50 | 9942 | -127571 | -3606 | 144 | -11 | 0 |
| 4-SS-C | 80 | -13340 | -85865 | -22036 | | | |
| 5-GS-C | 110 | -13791 | -114564 | 593 | -1137 | 143 | 0 |
| 6-GS-C | 130 | -20535 | -115772 | 24765 | 0 | 0 | 0 |
| 7-SS-C | 140 | -13212 | -145210 | 7772 | | | |
| 9-SS-C | 160 | -9785 | -146167 | 5868 | | | |
| 10-SS-C | 170 | -5403 | -104395 | 1568 | | | |
| 11-GS-C | 180 | -7670 | -151268 | -3141 | 0 | 0 | 0 |
| 13-FP-C | 230 | 67282 | -177766 | 11057 | 13010 | -5487 | 574 |
| 16-SS-C | 290 | 11966 | -143820 | 13387 | | | |
| 17-SS-C | 300 | 12371 | -121421 | 10159 | | | |
| 19-SS-C | 330 | -7576 | -137811 | 12742 | | | |
| 20-GS-C | 340 | -2286 | -111602 | 8775 | 84 | -9 | -13 |
| 21-SS-C | 350 | 3135 | -124672 | 4524 | | | |
| 23-SS-C | 390 | -5428 | -90810 | -15467 | | | |
| 24-SS-C | 420 | -18560 | -130112 | 6427 | | | |
| 25-GS-C | 440 | -22934 | -119823 | 5735 | 0 | 0 | 0 |
| 26-SS-C | 450 | -19651 | -111111 | 7589 | | | |
| 27-SS-C | 460 | -18202 | -150480 | 14778 | | | |
| 29-SS-C | 480 | -22513 | -141254 | 11540 | | | |
| 30-FP-C | 490 | -20345 | -128946 | 824 | 4868 | 2689 | -3805 |
| 31-SS-C | 500 | -57239 | -178724 | -3299 | | | |
| 32-SS-C | 507 | 99 | -725 | -150 | | | |
| 33-SS-C | 510 | 21112 | -74413 | 7503 | | | |
| 34-SS-C | 520 | 24278 | -87820 | -10079 | | | |
| 35-SS-C | 522 | 15813 | -73364 | -15230 | | | |
| 37-SS-C | 550 | -41155 | -138883 | -11200 | | | |
| 38-SS-C | 560 | -11975 | -112582 | -474 | | | |
| 39-FP-C | 570 | 28219 | -129773 | -7 | -5094 | -847 | -783 |
| 40-SS-C | 580 | 5563 | -70753 | 4532 | | | |
| 41-SS-C | 590 | 10895 | -150439 | 10169 | | | |
| 43-GS-C | 615 | -19502 | -140943 | 27437 | 1285 | -197 | 0 |
| 44-SS-C | 620 | 9324 | -106851 | 2772 | | | |
| 45-SS-C | 660 | -6529 | -90941 | -27305 | | | |
| 46-SS-C | 690 | -14994 | -112068 | 5245 | | | |
| 47-SS-C | 700 | -18964 | -116066 | 5265 | | | |
| 48-GS-C | 710 | -38283 | -103216 | 3408 | -2107 | 148 | -158 |
| 49-SS-C | 720 | -53590 | -141850 | -1138 | | | |
| 51-FP-C | 730 | 38847 | -180421 | 2807 | -2189 | -235 | -905 |
| 53-SS-C | 740 | 24659 | -119806 | -11587 | | | |
| 54-SS-C | 750 | 11189 | -89874 | -18932 | | | |
| 56-SS-C | 840 | -3447 | -127107 | -9979 | | | |
| 57-GS-C | 850 | 9664 | -106930 | -5259 | 470 | 4 | 122 |
| 58-SS-C | 910 | 11960 | -148324 | 12113 | | | |
| 60-SS-C | 930 | -6785 | -163306 | 14958 | | | |

| | | | | | | | |
|----------|------|--------|-------|--------|------|-------|-------|
| 61-FP-C | 940 | -16427 | 893 | 3614 | 847 | 1249 | 459 |
| 62-SS-C | 950 | -23 | 3 | 1556 | | | |
| 63-GS-C | 970 | 2130 | 319 | -5797 | 4 | -1 | 0 |
| 64-SS-C | 980 | -13 | -800 | 1006 | | | |
| 65-SS-C | 1015 | 16 | -186 | 87 | | | |
| 66-SS-C | 1040 | 6 | -219 | 852 | | | |
| 67-GS-C | 1050 | -2474 | -71 | -7900 | 0 | 0 | 0 |
| 68-FP-C | 1055 | 14382 | 336 | 4859 | -478 | -5132 | -1370 |
| 70-SS-C | 1100 | 0 | 0 | -429 | | | |
| 71-SS-C | 1102 | 0 | 0 | -526 | | | |
| 72-SS-C | 1105 | 0 | 0 | -527 | | | |
| 73-SS-C | 1110 | 0 | 0 | -248 | | | |
| 74-SS-C | 1130 | 97 | -447 | -191 | | | |
| 76-SS-C | 1170 | 2 | 49 | 704 | | | |
| 77-GS-C | 1180 | -14771 | 432 | -2051 | 585 | 12966 | 175 |
| 78-SS-C | 1190 | 31 | -239 | 332 | | | |
| 79-SS-C | 1220 | 0 | 4 | 53 | | | |
| 80-SS-C | 1250 | 0 | -76 | 305 | | | |
| 81-GS-C | 1260 | -1046 | 44 | 72 | 26 | -1 | 0 |
| 82-SS-C | 1270 | 1 | -6 | 494 | | | |
| 83-SS-C | 1280 | 1 | 0 | 433 | | | |
| 84-SS-C | 1290 | 0 | 34 | 380 | | | |
| 87-SS-C | 1310 | -2 | -173 | 164 | | | |
| 88-SS-C | 1320 | 0 | 4 | 284 | | | |
| 90-FP-C | 1360 | -29394 | -1252 | 8157 | 821 | 7914 | -176 |
| 92-GS-C | 1400 | 1409 | -282 | -4296 | 0 | 0 | 0 |
| 93-SS-C | 1410 | 0 | 0 | 263 | | | |
| 94-GS-C | 1420 | 1103 | 55 | 3321 | 0 | 0 | 0 |
| 95-SS-C | 1430 | 0 | -7 | 215 | | | |
| 96-GS-C | 1440 | 875 | 43 | -2733 | 9 | 1 | 0 |
| 97-SS-C | 1450 | 51 | -320 | 67 | | | |
| 98-SS-C | 1480 | 14 | -181 | -43 | | | |
| 99-SS-C | 1510 | -10 | 824 | 60 | | | |
| 100-GS-C | 1520 | -1844 | -353 | -5895 | -32 | 0 | 0 |
| 101-SS-C | 1530 | -78 | -757 | 158 | | | |
| 102-FP-C | 1540 | -10816 | 69 | 4171 | -125 | 2310 | -13 |
| 103-SS-C | 1560 | 0 | -4 | 136 | | | |
| 104-SS-C | 1570 | 0 | -1 | 157 | | | |
| 105-GS-C | 1580 | 573 | -38 | 2112 | 9 | 1 | 0 |
| 108-SS-C | 1590 | 79 | 9 | 431 | | | |
| 110-GS-C | 1630 | 3532 | -310 | -12272 | 779 | -19 | 0 |
| 111-SS-C | 1670 | 46 | -1193 | 133 | | | |
| 114-SS-C | 1700 | -59 | -1135 | 39 | | | |
| 115-SS-C | 1705 | 0 | -102 | 171 | | | |
| 116-GS-C | 1710 | 6263 | 34 | -21782 | 687 | 2 | 0 |
| 117-SS-C | 1740 | 0 | -2 | 26 | | | |
| 118-GS-C | 1770 | -3572 | 296 | 9078 | -56 | -3 | 3 |
| 119-SS-C | 1780 | 0 | -22 | 401 | | | |
| 120-SS-C | 1790 | 0 | -72 | 518 | | | |
| 121-SS-C | 1800 | 0 | -692 | 387 | | | |
| 123-SS-C | 1820 | 0 | -16 | 647 | | | |
| 124-GS-C | 1830 | -4625 | 1557 | 17452 | 122 | -6 | -73 |
| 126-FP-C | 1870 | 22677 | -248 | -6904 | 278 | -3147 | -329 |
| 128-SS-C | 1910 | 4 | -562 | 1542 | | | |
| 129-GS-C | 1920 | 2570 | 166 | -8077 | 293 | -2 | 0 |
| 131-SS-C | 1940 | 0 | -131 | 472 | | | |
| 132-SS-C | 1950 | -12 | -467 | 538 | | | |
| 133-SS-C | 1980 | 102 | -377 | 57 | | | |
| 134-SS-C | 2010 | -83 | -539 | 417 | | | |
| 136-FP-C | 2030 | 9416 | 4947 | -1163 | 2398 | 2602 | 3956 |
| 137-SS-C | 2070 | 12 | -1894 | 596 | | | |
| 138-SS-C | 2075 | 40 | -1599 | 1189 | | | |
| 139-SS-C | 2080 | 0 | 0 | 1667 | | | |
| 140-SS-C | 2085 | 0 | 0 | 786 | | | |
| 142-SS-C | 2130 | 0 | -76 | 327 | | | |
| 143-SS-C | 2140 | 0 | -77 | 333 | | | |
| 145-FP-C | 2160 | 1370 | 3847 | -6449 | 2156 | -9539 | -595 |
| 1-FP-B | 3000 | 35604 | -611 | 2295 | 330 | 856 | -2354 |
| 1/1-SS-B | 3018 | 0 | 0 | 0 | | | |
| 2-GS-B | 3030 | 2281 | 471 | 7771 | -2 | 0 | 0 |
| 3-GS-B | 3050 | 2254 | 311 | -7446 | 249 | 0 | 0 |
| 4-SS-B | 3080 | 1 | -1 | 37 | | | |
| 5-GS-B | 3105 | -3102 | -350 | -10280 | -909 | 6 | 0 |
| 6-GS-B | 3130 | -4299 | 55 | 14323 | 0 | 0 | 0 |
| 7-SS-B | 3140 | 4 | -644 | 0 | | | |
| 9-FP-B | 3160 | 13683 | 54 | 6307 | 967 | 4724 | 246 |
| 10-SS-B | 3170 | 0 | 1 | 0 | | | |

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|----------|------|--------|---------|--------|--------|-------|-------|
| 61-FP-C | 940 | -37114 | -102988 | 345 | 966 | 3139 | -2480 |
| 62-SS-C | 950 | 11553 | -108781 | -946 | | | |
| 63-GS-C | 970 | 9203 | -72910 | 7637 | -2 | 0 | 0 |
| 64-SS-C | 980 | 14763 | -125737 | 7101 | | | |
| 65-SS-C | 1015 | 14213 | -104931 | -26018 | | | |
| 66-SS-C | 1040 | -1679 | -122388 | 7343 | | | |
| 67-GS-C | 1050 | -1459 | -61173 | 9203 | 0 | 0 | 0 |
| 68-FP-C | 1055 | 53370 | -140475 | -28284 | -18707 | 3672 | -8780 |
| 70-SS-C | 1100 | -4824 | -67397 | -3844 | | | |
| 71-SS-C | 1102 | -3227 | -47120 | -2373 | | | |
| 72-SS-C | 1105 | 4957 | -17664 | -813 | | | |
| 73-SS-C | 1110 | 16308 | -164584 | -1724 | | | |
| 74-SS-C | 1130 | -5189 | -145510 | 42158 | | | |
| 76-SS-C | 1170 | -3555 | -119088 | 5237 | | | |
| 77-GS-C | 1180 | 25574 | -102378 | 7545 | -2345 | -870 | 1855 |
| 78-SS-C | 1190 | 17672 | -122312 | 6783 | | | |
| 79-SS-C | 1220 | -3988 | -105940 | -28555 | | | |
| 80-SS-C | 1250 | -3269 | -120084 | 6648 | | | |
| 81-GS-C | 1260 | -6854 | -102850 | 9902 | -47 | 4 | 0 |
| 82-SS-C | 1270 | -4239 | -125705 | -3913 | | | |
| 83-SS-C | 1280 | -3505 | -114415 | 5279 | | | |
| 84-SS-C | 1290 | 11467 | -141018 | 14170 | | | |
| 87-SS-C | 1310 | 2752 | -108290 | 10398 | | | |
| 88-SS-C | 1320 | 3254 | -103107 | 9976 | | | |
| 90-FP-C | 1360 | -51385 | -172751 | 7028 | -1677 | 7677 | -4517 |
| 92-GS-C | 1400 | 19597 | -161023 | -4190 | 0 | 0 | 0 |
| 93-SS-C | 1410 | 14862 | -118670 | -375 | | | |
| 94-GS-C | 1420 | 16361 | -130697 | -581 | 0 | 0 | 0 |
| 95-SS-C | 1430 | 16319 | -130394 | -669 | | | |
| 96-GS-C | 1440 | 19425 | -119253 | 15873 | -4 | 0 | 0 |
| 97-SS-C | 1450 | 15251 | -126581 | 2850 | | | |
| 98-SS-C | 1480 | 11606 | -104711 | -30297 | | | |
| 99-SS-C | 1510 | -10834 | -117921 | 1779 | | | |
| 100-GS-C | 1520 | -13958 | -105373 | 11658 | 4 | 1 | 0 |
| 101-SS-C | 1530 | -12071 | -114506 | 438 | | | |
| 102-FP-C | 1540 | -76604 | -88375 | -878 | -1027 | 49 | -108 |
| 103-SS-C | 1560 | 9715 | -103032 | -253 | | | |
| 104-SS-C | 1570 | 10197 | -108018 | 31 | | | |
| 105-GS-C | 1580 | 13959 | -147618 | 1010 | 5 | 3 | 0 |
| 108-SS-C | 1590 | 15233 | -178571 | 3344 | | | |
| 110-GS-C | 1630 | 11630 | -144100 | -7365 | 846 | -28 | 0 |
| 111-SS-C | 1670 | 5419 | -123982 | -7763 | | | |
| 114-SS-C | 1700 | -9717 | -127175 | -12261 | | | |
| 115-SS-C | 1705 | -1219 | -73221 | -4799 | | | |
| 116-GS-C | 1710 | 963 | -115397 | -48 | 550 | 49 | 0 |
| 117-SS-C | 1740 | -13793 | -101380 | -30200 | | | |
| 118-GS-C | 1770 | -28982 | -125878 | 14938 | -271 | 55 | -11 |
| 119-SS-C | 1780 | -19099 | -102372 | 3776 | | | |
| 120-SS-C | 1790 | -18465 | -117179 | 9412 | | | |
| 121-SS-C | 1800 | -13131 | -135842 | 13652 | | | |
| 123-SS-C | 1820 | -11026 | -99606 | 8419 | | | |
| 124-GS-C | 1830 | -20856 | -127188 | 13550 | -2130 | 111 | 54 |
| 126-FP-C | 1870 | 11917 | -180434 | -5602 | 8156 | -2071 | 414 |
| 128-SS-C | 1910 | 6696 | -147556 | 3802 | | | |
| 129-GS-C | 1920 | 10159 | -130254 | -17504 | 382 | 14 | 0 |
| 131-SS-C | 1940 | -13250 | -119891 | -10221 | | | |
| 132-SS-C | 1950 | -4881 | -133580 | 3618 | | | |
| 133-SS-C | 1980 | 16477 | -98754 | -22876 | | | |
| 134-SS-C | 2010 | -16754 | -125425 | 9699 | | | |
| 136-FP-C | 2030 | -5896 | -127892 | 19868 | -1575 | 1822 | -5484 |
| 137-SS-C | 2070 | -11631 | -118128 | -551 | | | |
| 138-SS-C | 2075 | 2056 | -31525 | -2424 | | | |
| 139-SS-C | 2080 | 3410 | -35216 | -694 | | | |
| 140-SS-C | 2085 | 10224 | -110384 | -4073 | | | |
| 142-SS-C | 2130 | -15196 | -105494 | -6665 | | | |
| 143-SS-C | 2140 | -8981 | -82145 | 8788 | | | |
| 145-FP-C | 2160 | 16536 | -75831 | 15808 | 1337 | 1136 | -3272 |
| 1-FP-B | 3000 | 63034 | 30261 | 8410 | 1781 | -2541 | 4504 |
| 1/1-SS-B | 3018 | 7487 | -91253 | -1156 | | | |
| 2-GS-B | 3030 | 5922 | -60870 | 4335 | -1 | 0 | 0 |
| 3-GS-B | 3050 | 5098 | -62229 | 445 | 219 | 12 | 0 |
| 4-SS-B | 3080 | -5320 | -66063 | -19051 | | | |
| 5-GS-B | 3105 | -8311 | -68323 | 831 | -891 | 35 | 0 |
| 6-GS-B | 3130 | -13116 | -76247 | 14956 | 0 | 0 | 0 |
| 7-SS-B | 3140 | -7846 | -91012 | 5465 | | | |
| 9-FP-B | 3160 | 29 | -91228 | 6290 | -1717 | 6366 | 4950 |
| 10-SS-B | 3170 | 10306 | -71920 | -2076 | | | |

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|---------|------|--------|-------|--------|-------|--------|-------|
| 11-GS-B | 3180 | 491 | 41 | 1643 | 0 | 0 | 0 |
| 12-SS-B | 3190 | 3 | 292 | 0 | | | |
| 13-SS-B | 3230 | 2 | -11 | 3 | | | |
| 14-SS-B | 3260 | -3 | -293 | 0 | | | |
| 16-SS-B | 3290 | 0 | 1 | 0 | | | |
| 17-SS-B | 3300 | 35 | -1632 | 160 | | | |
| 19-FP-B | 3330 | -5006 | -1334 | 22427 | 4670 | 10775 | 2252 |
| 20-GS-B | 3340 | 2240 | 553 | -7707 | 0 | 0 | -3 |
| 21-SS-B | 3350 | 43 | -2312 | 0 | | | |
| 23-SS-B | 3390 | 12 | -69 | -16 | | | |
| 24-SS-B | 3420 | -36 | 226 | 9 | | | |
| 25-GS-B | 3440 | -3165 | -505 | 10235 | 0 | 0 | 0 |
| 26-SS-B | 3450 | -2 | -17 | 42 | | | |
| 27-SS-B | 3460 | -5 | -3 | 15 | | | |
| 29-SS-B | 3480 | 0 | 26 | 158 | | | |
| 30-FP-B | 3490 | 25390 | 372 | 4380 | -7486 | 37318 | -1221 |
| 31-SS-B | 3500 | -32 | -100 | 155 | | | |
| 32-SS-B | 3510 | 0 | -46 | 435 | | | |
| 33-SS-B | 3520 | 0 | 0 | 874 | | | |
| 34-SS-B | 3522 | 0 | 0 | 873 | | | |
| 35-SS-B | 3524 | 0 | -523 | 395 | | | |
| 37-SS-B | 3550 | -1 | -12 | -82 | | | |
| 38-SS-B | 3560 | 0 | -6 | -113 | | | |
| 39-FP-B | 3570 | -11848 | 856 | 3521 | -1009 | -14408 | -658 |
| 40-SS-B | 3580 | 40 | -1246 | -54 | | | |
| 41-SS-B | 3590 | -6 | 56 | -56 | | | |
| 43-GS-B | 3615 | -1853 | 878 | 7189 | 147 | 43 | 0 |
| 44-SS-B | 3620 | 0 | 48 | 464 | | | |
| 45-SS-B | 3660 | -43 | -447 | -22 | | | |
| 46-SS-B | 3690 | -12 | 394 | 479 | | | |
| 47-SS-B | 3700 | -57 | -460 | 937 | | | |
| 48-FP-B | 3705 | 4968 | 715 | -7029 | -186 | 9395 | 158 |
| 49-SS-B | 3720 | -69 | -48 | 1222 | | | |
| 50-SS-B | 3730 | -1 | -65 | 711 | | | |
| 51-SS-B | 3760 | -1 | -3 | 37 | | | |
| 52-SS-B | 3790 | 2 | -17 | 832 | | | |
| 53-SS-B | 3800 | 0 | -56 | 1216 | | | |
| 54-SS-B | 3810 | -1 | -17 | 654 | | | |
| 56-SS-B | 3840 | 0 | 12 | -227 | | | |
| 57-GS-B | 3850 | -897 | 276 | -3379 | 0 | 0 | 0 |
| 58-SS-B | 3860 | -1 | -12 | -232 | | | |
| 60-SS-B | 3930 | -45 | -769 | 1153 | | | |
| 61-FP-B | 3940 | -21220 | 1096 | 673 | 1020 | -2928 | 1144 |
| 62-SS-B | 3950 | -15 | -33 | 1287 | | | |
| 63-GS-B | 3970 | 442 | 325 | -3166 | 3 | 0 | 0 |
| 64-SS-B | 3980 | -4 | -1305 | 830 | | | |
| 65-SS-B | 4010 | 24 | -164 | 242 | | | |
| 66-SS-B | 4040 | 2 | -18 | 702 | | | |
| 67-GS-B | 4050 | -4202 | 278 | -13840 | 0 | 0 | 0 |
| 68-FP-B | 4055 | 19945 | 358 | 8679 | -3466 | 1831 | -2061 |
| 70-SS-B | 4100 | 0 | 0 | -411 | | | |
| 71-SS-B | 4105 | 0 | 0 | -446 | | | |
| 72-SS-B | 4110 | 0 | 0 | -446 | | | |
| 73-SS-B | 4115 | 0 | 0 | -229 | | | |
| 74-SS-B | 4150 | 41 | -402 | -154 | | | |
| 76-SS-B | 4170 | 1 | 37 | 599 | | | |
| 77-GS-B | 4180 | -17091 | 305 | 477 | 634 | 23677 | 471 |
| 78-SS-B | 4190 | 36 | -448 | 269 | | | |
| 79-SS-B | 4220 | 0 | 6 | 105 | | | |
| 80-SS-B | 4250 | 0 | 99 | 251 | | | |
| 81-GS-B | 4260 | -1243 | 24 | -3712 | 83 | 2 | 0 |
| 82-SS-B | 4270 | 1 | 2 | 425 | | | |
| 83-FP-B | 4280 | -9419 | -52 | -2013 | -507 | 2038 | 367 |
| 84-GS-B | 4290 | 4360 | 415 | 14911 | -104 | 1 | 0 |
| 87-SS-B | 4310 | 0 | -272 | 140 | | | |
| 88-SS-B | 4320 | 0 | 4 | 247 | | | |
| 89-SS-B | 4330 | 116 | -715 | 102 | | | |
| 90-SS-B | 4360 | -4 | -89 | -11 | | | |
| 91-SS-B | 4390 | -8 | 813 | 146 | | | |
| 92-GS-B | 4400 | 246 | -57 | -1040 | 0 | 0 | 0 |
| 93-SS-B | 4410 | -10 | -159 | 230 | | | |
| 94-FP-B | 4420 | -2026 | 100 | 3968 | -523 | -1245 | 256 |
| 95-GS-B | 4430 | 0 | -3 | 190 | 0 | 0 | 0 |
| 96-SS-B | 4440 | 714 | 28 | -2214 | | | |
| 97-SS-B | 4450 | 24 | -256 | 68 | | | |
| 98-SS-B | 4480 | 10 | -229 | -44 | | | |
| 99-SS-B | 4510 | -12 | 646 | 53 | | | |

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|---------|------|--------|---------|--------|--------|-------|--------|
| 11-GS-B | 3180 | 15110 | -80921 | 11568 | 0 | 0 | 0 |
| 12-SS-B | 3190 | 9407 | -68661 | 2284 | | | |
| 13-SS-B | 3230 | 17483 | -66224 | -14777 | | | |
| 14-SS-B | 3260 | -2864 | -65328 | 3420 | | | |
| 16-SS-B | 3290 | -1708 | -75053 | 5366 | | | |
| 17-SS-B | 3300 | -968 | -80557 | 6536 | | | |
| 19-FP-B | 3330 | -12515 | -82402 | 14870 | 5808 | 6420 | 2199 |
| 20-GS-B | 3340 | 475 | -76108 | 4093 | 61 | -6 | -2 |
| 21-SS-B | 3350 | 2813 | -71587 | 2301 | | | |
| 23-SS-B | 3390 | -8893 | -70955 | -14661 | | | |
| 24-SS-B | 3420 | -14435 | -78876 | 3778 | | | |
| 25-GS-B | 3440 | -17507 | -78552 | 11691 | 0 | 0 | 0 |
| 26-SS-B | 3450 | -11450 | -71279 | 5885 | | | |
| 27-SS-B | 3460 | -10443 | -92902 | 9268 | | | |
| 29-SS-B | 3480 | -12788 | -87255 | 7871 | | | |
| 30-FP-B | 3490 | -7387 | -85192 | 4384 | 7507 | 9534 | -6143 |
| 31-SS-B | 3500 | -36939 | -114758 | -2458 | | | |
| 32-SS-B | 3510 | 97 | -653 | 5 | | | |
| 33-SS-B | 3520 | 13087 | -44279 | 2249 | | | |
| 34-SS-B | 3522 | 13461 | -47539 | -4583 | | | |
| 35-SS-B | 3524 | 16009 | -68023 | -12574 | | | |
| 37-SS-B | 3550 | -27602 | -97528 | -11104 | | | |
| 38-SS-B | 3560 | -7010 | -66983 | -732 | | | |
| 39-FP-B | 3570 | 13976 | -83440 | 2112 | -10165 | -3916 | -885 |
| 40-SS-B | 3580 | 3403 | -49918 | 4006 | | | |
| 41-SS-B | 3590 | 5724 | -86771 | 6533 | | | |
| 43-GS-B | 3615 | -11368 | -85036 | 28167 | 1214 | -55 | 1 |
| 44-SS-B | 3620 | 5696 | -64797 | 1015 | | | |
| 45-SS-B | 3660 | -1305 | -70357 | -20786 | | | |
| 46-SS-B | 3690 | -9153 | -67296 | 3249 | | | |
| 47-SS-B | 3700 | -11739 | -74589 | 4429 | | | |
| 48-FP-B | 3705 | -35870 | -69967 | -962 | -4418 | 5929 | -514 |
| 49-SS-B | 3720 | 16715 | -75384 | 5396 | | | |
| 50-SS-B | 3730 | 16083 | -72563 | 5371 | | | |
| 51-SS-B | 3760 | 893 | -55248 | -15367 | | | |
| 52-SS-B | 3790 | -27700 | -77751 | 8354 | | | |
| 53-SS-B | 3800 | 8421 | -51672 | -8600 | | | |
| 54-SS-B | 3810 | 2559 | -72919 | -19886 | | | |
| 56-SS-B | 3840 | -4357 | -83135 | -4941 | | | |
| 57-GS-B | 3850 | -1405 | -69267 | -10031 | 0 | 0 | 0 |
| 58-SS-B | 3860 | 22755 | -90110 | 17269 | | | |
| 60-SS-B | 3930 | -3936 | -97478 | 9123 | | | |
| 61-FP-B | 3940 | -32901 | -69209 | 3012 | 24 | 7177 | -2823 |
| 62-SS-B | 3950 | 6969 | -67664 | -1548 | | | |
| 63-GS-B | 3970 | 8281 | -49604 | 10422 | -2 | 0 | 0 |
| 64-SS-B | 3980 | 9591 | -73704 | 3086 | | | |
| 65-SS-B | 4010 | 9765 | -80874 | -23862 | | | |
| 66-SS-B | 4040 | -1314 | -70997 | 2578 | | | |
| 67-GS-B | 4050 | -6703 | -30054 | 22262 | 0 | 0 | 0 |
| 68-FP-B | 4055 | 54024 | -116230 | -50715 | -42216 | 12103 | -21232 |
| 70-SS-B | 4100 | -3022 | -39361 | -1694 | | | |
| 71-SS-B | 4105 | -2412 | -31199 | -1081 | | | |
| 72-SS-B | 4110 | -87 | -1101 | 830 | | | |
| 73-SS-B | 4115 | 29089 | -115056 | -2127 | | | |
| 74-SS-B | 4150 | 2039 | -88456 | 26854 | | | |
| 76-SS-B | 4170 | -2004 | -72350 | 3505 | | | |
| 77-GS-B | 4180 | 9380 | -69707 | 8684 | -7240 | -418 | 2457 |
| 78-SS-B | 4190 | 11764 | -71281 | 1374 | | | |
| 79-SS-B | 4220 | -5643 | -79681 | -21253 | | | |
| 80-SS-B | 4250 | -2101 | -69254 | 2429 | | | |
| 81-GS-B | 4260 | -6304 | -68757 | 12558 | -55 | -1 | 0 |
| 82-SS-B | 4270 | -3084 | -79350 | -756 | | | |
| 83-FP-B | 4280 | 17592 | -73302 | -6224 | -4335 | -1259 | 1243 |
| 84-GS-B | 4290 | 15408 | -87569 | 14413 | -96 | 5 | 0 |
| 87-SS-B | 4310 | 4862 | -70922 | 7034 | | | |
| 88-SS-B | 4320 | 5152 | -51082 | 4747 | | | |
| 89-SS-B | 4330 | 9686 | -65084 | 2957 | | | |
| 90-SS-B | 4360 | -6202 | -59597 | -14805 | | | |
| 91-SS-B | 4390 | -4219 | -72470 | 1664 | | | |
| 92-GS-B | 4400 | -9049 | -85119 | 9824 | 0 | 0 | 0 |
| 93-SS-B | 4410 | -6039 | -81138 | -584 | | | |
| 94-FP-B | 4420 | -1497 | -81865 | -1972 | -3958 | 221 | 367 |
| 95-GS-B | 4430 | 10319 | -82685 | -781 | 0 | 0 | 0 |
| 96-SS-B | 4440 | 13122 | -78596 | 11904 | | | |
| 97-SS-B | 4450 | 9142 | -74835 | 1871 | | | |
| 98-SS-B | 4480 | 3251 | -79119 | -23697 | | | |
| 99-SS-B | 4510 | -6077 | -68245 | 1360 | | | |

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|----------|------|--------|-------|--------|-------|--------|-------|
| 100-GS-B | 4520 | -1406 | -257 | -4480 | -20 | 0 | 0 |
| 101-SS-B | 4530 | 0 | -1 | 121 | | | |
| 102-FP-B | 4540 | 241 | 35 | 5787 | -693 | 634 | -55 |
| 103-SS-B | 4560 | 0 | -3 | 119 | | | |
| 104-SS-B | 4580 | 5 | -60 | 137 | | | |
| 105-GS-B | 4590 | 694 | -57 | -2172 | -1 | 0 | 0 |
| 106-SS-B | 4600 | -1 | 159 | 83 | | | |
| 107-SS-B | 4630 | 0 | -81 | -18 | | | |
| 109-SS-B | 4660 | -52 | -535 | 44 | | | |
| 110-GS-B | 4670 | -468 | 19 | -1377 | 0 | 0 | 0 |
| 111-FP-B | 4680 | 685 | -470 | -8110 | 361 | 8353 | -771 |
| 114-SS-B | 4700 | -68 | -1076 | 6 | | | |
| 115-SS-B | 4705 | 0 | -81 | 159 | | | |
| 116-GS-B | 4710 | 2273 | 316 | -7787 | 676 | -2 | 0 |
| 117-SS-B | 4740 | 0 | -5 | 54 | | | |
| 118-GS-B | 4770 | -1454 | -265 | -4708 | -422 | 2 | 5 |
| 119-SS-B | 4780 | -120 | -650 | 364 | | | |
| 120-FP-B | 4790 | 5786 | 1231 | 11860 | 430 | -7758 | 103 |
| 121-SS-B | 4800 | -10 | -332 | 343 | | | |
| 123-SS-B | 4820 | 0 | -14 | 576 | | | |
| 124-GS-B | 4830 | 1563 | 194 | -38 | 2 | 0 | 0 |
| 125-SS-B | 4840 | 1 | -199 | 523 | | | |
| 126-SS-B | 4870 | 0 | -2 | 49 | | | |
| 127-SS-B | 4900 | -1 | 168 | 594 | | | |
| 128-SS-B | 4910 | -2 | -58 | 1149 | | | |
| 129-FP-B | 4920 | 10514 | -153 | -8676 | 49 | 2900 | -326 |
| 131-SS-B | 4940 | 0 | -116 | 416 | | | |
| 132-SS-B | 4950 | -11 | -390 | 455 | | | |
| 133-SS-B | 4980 | 41 | -153 | 146 | | | |
| 134-SS-B | 5010 | -110 | -868 | 344 | | | |
| 136-FP-B | 5030 | 7232 | 4438 | 215 | 575 | 6402 | 6928 |
| 137-SS-B | 5070 | 9 | -1427 | 585 | | | |
| 138-SS-B | 5075 | 37 | -1479 | 967 | | | |
| 139-SS-B | 5080 | 0 | 0 | 1411 | | | |
| 140-SS-B | 5085 | 0 | 0 | 726 | | | |
| 142-SS-B | 5130 | 1 | -72 | 311 | | | |
| 143-SS-B | 5140 | -1 | -67 | 286 | | | |
| 145-FP-B | 5160 | 2041 | 1821 | -5015 | 1633 | -17433 | -891 |
| 1-FP-A | 9000 | -65356 | -758 | -5675 | -3906 | -2124 | 2264 |
| 1/1-SS-A | 9018 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2-GS-A | 9030 | 4048 | 707 | 8324 | -1 | 0 | 0 |
| 3-GS-A | 9050 | 3127 | 427 | -8921 | 262 | -7 | 0 |
| 4-SS-A | 9080 | 0 | -4 | 36 | | | |
| 5-GS-A | 9105 | -3097 | -332 | -10267 | -931 | 6 | 0 |
| 6-GS-A | 9130 | -4290 | -94 | 14239 | 0 | 0 | 0 |
| 7-SS-A | 9140 | -4 | -29 | 1 | | | |
| 9-FP-A | 9160 | 13504 | 181 | 6547 | 850 | 4447 | 147 |
| 10-SS-A | 9170 | 0 | 0 | 0 | | | |
| 11-GS-A | 9180 | 394 | 34 | 1318 | 0 | 0 | 0 |
| 12-SS-A | 9190 | 0 | -9 | 0 | | | |
| 13-SS-A | 9230 | 2 | -12 | 1 | | | |
| 14-SS-A | 9260 | 0 | -37 | 0 | | | |
| 16-SS-A | 9290 | 0 | 39 | 0 | | | |
| 17-SS-A | 9300 | 33 | -1653 | 161 | | | |
| 19-FP-A | 9330 | -5006 | -1334 | 22427 | 4670 | 10775 | 2252 |
| 20-GS-A | 9340 | 2240 | 553 | -7707 | 0 | 0 | -3 |
| 21-SS-A | 9350 | 43 | -2312 | 0 | | | |
| 23-SS-A | 9390 | 12 | -69 | -16 | | | |
| 24-SS-A | 9420 | -36 | 226 | 9 | | | |
| 25-GS-A | 9440 | -3165 | -505 | 10235 | 0 | 0 | 0 |
| 26-SS-A | 9450 | -2 | -17 | 42 | | | |
| 27-SS-A | 9460 | -5 | -3 | 15 | | | |
| 29-SS-A | 9480 | 0 | 26 | 158 | | | |
| 30-FP-A | 9490 | 25390 | 372 | 4380 | -7486 | 37318 | -1221 |
| 31-SS-A | 9500 | -32 | -100 | 155 | | | |
| 32-SS-A | 9510 | 0 | -46 | 435 | | | |
| 33-SS-A | 9515 | 0 | 0 | 868 | | | |
| 34-SS-A | 9520 | 0 | 0 | 868 | | | |
| 35-SS-A | 9522 | 0 | -534 | 451 | | | |
| 37-SS-A | 9550 | -2 | -21 | -89 | | | |
| 38-SS-A | 9560 | 0 | -5 | -113 | | | |
| 39-FP-A | 9570 | -12398 | 923 | 3455 | -1104 | -13586 | -640 |
| 40-SS-A | 9580 | 47 | -1461 | -29 | | | |
| 41-SS-A | 9590 | 0 | -2 | -54 | | | |
| 43-GS-A | 9615 | -1893 | 1120 | 7654 | 123 | 47 | 0 |
| 44-SS-A | 9620 | 2 | 101 | 444 | | | |
| 45-SS-A | 9660 | -34 | -497 | 108 | | | |

| | | | | | | | |
|----------|------|--------|---------|--------|--------|-------|--------|
| 100-GS-B | 4520 | -10588 | -70338 | 11624 | 7 | 0 | 0 |
| 101-SS-B | 4530 | -7605 | -72195 | -356 | | | |
| 102-FP-B | 4540 | -7801 | -56460 | -1468 | -3777 | -229 | -281 |
| 103-SS-B | 4560 | 6063 | -64324 | -186 | | | |
| 104-SS-B | 4580 | 6924 | -73398 | -233 | | | |
| 105-GS-B | 4590 | 10269 | -79780 | 9896 | 127 | 0 | -2 |
| 106-SS-B | 4600 | 6479 | -70701 | 491 | | | |
| 107-SS-B | 4630 | 2452 | -58464 | -16828 | | | |
| 109-SS-B | 4660 | -9628 | -73380 | -268 | | | |
| 110-GS-B | 4670 | -13399 | -75999 | 13266 | 0 | 0 | 0 |
| 111-FP-B | 4680 | 6873 | -84523 | -17106 | -1133 | 9151 | -2788 |
| 114-SS-B | 4700 | -6667 | -82853 | -8107 | | | |
| 115-SS-B | 4705 | 332 | -48944 | -1119 | | | |
| 116-GS-B | 4710 | 1820 | -65863 | 5447 | 516 | 47 | 0 |
| 117-SS-B | 4740 | -6959 | -77911 | -23405 | | | |
| 118-GS-B | 4770 | -16202 | -72607 | 8211 | -364 | 46 | -1 |
| 119-SS-B | 4780 | -13082 | -68317 | 1087 | | | |
| 120-FP-B | 4790 | -22153 | -75984 | 9332 | 1555 | -7239 | 605 |
| 121-SS-B | 4800 | -2460 | -82621 | 7323 | | | |
| 123-SS-B | 4820 | 538 | -66697 | 5568 | | | |
| 124-GS-B | 4830 | 8393 | -65406 | 16183 | -3 | 1 | 0 |
| 125-SS-B | 4840 | 3834 | -74070 | 35 | | | |
| 126-SS-B | 4870 | 1355 | -56932 | -16324 | | | |
| 127-SS-B | 4900 | -10885 | -73321 | 989 | | | |
| 128-SS-B | 4910 | -10470 | -79214 | 5356 | | | |
| 129-FP-B | 4920 | 4373 | -87683 | -9763 | 2181 | 12125 | -1892 |
| 131-SS-B | 4940 | -10860 | -80997 | -7295 | | | |
| 132-SS-B | 4950 | -3851 | -77006 | 4576 | | | |
| 133-SS-B | 4980 | 9188 | -76093 | -19975 | | | |
| 134-SS-B | 5010 | -9560 | -71462 | 6103 | | | |
| 136-FP-B | 5030 | -10835 | -80881 | 19005 | -2323 | 4779 | -11461 |
| 137-SS-B | 5070 | -7625 | -80442 | -1712 | | | |
| 138-SS-B | 5075 | 4116 | -15028 | -1657 | | | |
| 139-SS-B | 5080 | 1527 | -18164 | -825 | | | |
| 140-SS-B | 5085 | 5983 | -75572 | -4536 | | | |
| 142-SS-B | 5130 | -10305 | -79351 | -5695 | | | |
| 143-SS-B | 5140 | -8020 | -45960 | 1577 | | | |
| 145-FP-B | 5160 | 10316 | -59841 | 14533 | 4305 | -2892 | -3753 |
| 1-FP-A | 9000 | 88288 | 46896 | 14083 | 8158 | -4086 | 6977 |
| 1/1-SS-A | 9018 | 8933 | -107872 | 0 | | | |
| 2-GS-A | 9030 | 9083 | -80654 | 5351 | -1 | 0 | 0 |
| 3-GS-A | 9050 | 4629 | -54074 | 835 | 233 | -7 | 0 |
| 4-SS-A | 9080 | -6258 | -75118 | -21608 | | | |
| 5-GS-A | 9105 | -7896 | -62255 | 1882 | -967 | 39 | 0 |
| 6-GS-A | 9130 | -13696 | -79524 | 15664 | 0 | 0 | 0 |
| 7-SS-A | 9140 | -8574 | -87230 | 5107 | | | |
| 9-FP-A | 9160 | 11125 | -89180 | 7549 | -2597 | 5283 | 4065 |
| 10-SS-A | 9170 | 10602 | -72057 | -665 | | | |
| 11-GS-A | 9180 | 13452 | -83104 | 5004 | 0 | 0 | 0 |
| 12-SS-A | 9190 | 9336 | -63289 | -414 | | | |
| 13-SS-A | 9230 | 7591 | -74502 | -6239 | | | |
| 14-SS-A | 9260 | -2725 | -57581 | 1680 | | | |
| 16-SS-A | 9290 | -1933 | -76277 | 5190 | | | |
| 17-SS-A | 9300 | -1061 | -78974 | 6325 | | | |
| 19-FP-A | 9330 | -12515 | -82402 | 14870 | 5808 | 6420 | 2199 |
| 20-GS-A | 9340 | 475 | -76108 | 4093 | 61 | -6 | -2 |
| 21-SS-A | 9350 | 2813 | -71587 | 2301 | | | |
| 23-SS-A | 9390 | -8893 | -70955 | -14661 | | | |
| 24-SS-A | 9420 | -14435 | -78876 | 3778 | | | |
| 25-GS-A | 9440 | -17507 | -78552 | 11691 | 0 | 0 | 0 |
| 26-SS-A | 9450 | -11450 | -71279 | 5885 | | | |
| 27-SS-A | 9460 | -10443 | -92902 | 9268 | | | |
| 29-SS-A | 9480 | -12788 | -87255 | 7871 | | | |
| 30-FP-A | 9490 | -7387 | -85192 | 4384 | 7507 | 9534 | -6143 |
| 31-SS-A | 9500 | -36939 | -114758 | -2458 | | | |
| 32-SS-A | 9510 | 97 | -653 | 5 | | | |
| 33-SS-A | 9515 | 13419 | -45673 | 2763 | | | |
| 34-SS-A | 9520 | 10578 | -36362 | -2536 | | | |
| 35-SS-A | 9522 | 21983 | -91051 | -16124 | | | |
| 37-SS-A | 9550 | -30497 | -103905 | -8714 | | | |
| 38-SS-A | 9560 | -6655 | -63163 | -436 | | | |
| 39-FP-A | 9570 | 19522 | -83715 | 1816 | -12647 | -3925 | -417 |
| 40-SS-A | 9580 | 3661 | -54496 | 4271 | | | |
| 41-SS-A | 9590 | 4957 | -77142 | 5686 | | | |
| 43-GS-A | 9615 | -3720 | -82604 | 24068 | 882 | -38 | 0 |
| 44-SS-A | 9620 | 3332 | -59913 | -4031 | | | |
| 45-SS-A | 9660 | -4552 | -78006 | -7693 | | | |

| | | | | | | | |
|----------|-------|--------|-------|--------|-------|-------|-------|
| 46-SS-A | 9690 | -18 | 295 | 456 | | | |
| 47-SS-A | 9700 | -45 | -377 | 951 | | | |
| 48-FP-A | 9710 | 5263 | 706 | -7025 | 45 | 8980 | 288 |
| 49-SS-A | 9720 | 0 | -55 | 1176 | | | |
| 50-SS-A | 9730 | 5 | 22 | 650 | | | |
| 51-SS-A | 9770 | 0 | -6 | 186 | | | |
| 52-SS-A | 9795 | -2 | -70 | 767 | | | |
| 53-SS-A | 9800 | 0 | -57 | 1230 | | | |
| 54-SS-A | 9810 | 0 | -35 | 695 | | | |
| 56-SS-A | 9840 | 0 | 13 | -233 | | | |
| 57-GS-A | 9850 | -890 | 267 | -3361 | -11 | 0 | -1 |
| 58-SS-A | 9910 | -4 | -28 | -225 | | | |
| 60-SS-A | 9930 | -43 | -711 | 1128 | | | |
| 61-FP-A | 9940 | -20045 | 1006 | 993 | | | |
| 62-SS-A | 9950 | -18 | -1 | 1312 | | | |
| 63-GS-A | 9970 | 415 | 311 | -4203 | 3 | 0 | 0 |
| 64-SS-A | 9980 | 12 | -1668 | 783 | | | |
| 65-SS-A | 10010 | 10 | -162 | 388 | | | |
| 66-SS-A | 10040 | -19 | 413 | 657 | | | |
| 67-GS-A | 10050 | -3179 | 160 | -10338 | 0 | 0 | 0 |
| 68-FP-A | 10055 | 17801 | 297 | 5682 | -2675 | -3691 | -2256 |
| 70-SS-A | 10100 | 0 | 0 | -434 | | | |
| 71-SS-A | 10105 | 0 | 0 | -440 | | | |
| 72-SS-A | 10110 | 0 | 0 | -440 | | | |
| 73-SS-A | 10115 | 0 | 0 | -227 | | | |
| 74-SS-A | 10150 | 108 | -449 | -150 | | | |
| 76-SS-A | 10170 | -1 | 37 | 576 | | | |
| 77-GS-A | 10180 | -16542 | 350 | 602 | 690 | 24574 | 456 |
| 78-SS-A | 10190 | 45 | -834 | 241 | | | |
| 79-SS-A | 10220 | 0 | 7 | 140 | | | |
| 80-SS-A | 10250 | -6 | 453 | 227 | | | |
| 81-GS-A | 10260 | -1261 | 26 | -3781 | 85 | 1 | 0 |
| 82-SS-A | 10270 | 1 | 2 | 415 | | | |
| 83-FP-A | 10280 | -9127 | -20 | -1465 | -440 | 1839 | 374 |
| 84-GS-A | 10290 | 4138 | 363 | 14159 | 5 | 0 | 0 |
| 87-SS-A | 10310 | 3 | -65 | 134 | | | |
| 88-SS-A | 10320 | 0 | 4 | 240 | | | |
| 89-SS-A | 10330 | 110 | -753 | 82 | | | |
| 90-SS-A | 10360 | -5 | -107 | 0 | | | |
| 91-SS-A | 10390 | -9 | 858 | 133 | | | |
| 92-GS-A | 10400 | 156 | -79 | -1242 | 0 | 0 | 0 |
| 93-SS-A | 10410 | -9 | -131 | 221 | | | |
| 94-FP-A | 10420 | -1899 | 90 | 4198 | -532 | -1127 | 255 |
| 95-GS-A | 10430 | 0 | -3 | 182 | 0 | 0 | 0 |
| 96-SS-A | 10440 | 732 | 29 | -2288 | | | |
| 97-SS-A | 10450 | 25 | -449 | 61 | | | |
| 98-SS-A | 10480 | 9 | -227 | -36 | | | |
| 99-SS-A | 10510 | -17 | 816 | 44 | | | |
| 100-GS-A | 10520 | -1412 | -231 | -4517 | -22 | 0 | 0 |
| 101-SS-A | 10530 | 0 | -1 | 115 | | | |
| 102-FP-A | 10540 | 459 | 29 | 5884 | -552 | 634 | -56 |
| 103-SS-A | 10560 | 1 | -7 | 113 | | | |
| 104-SS-A | 10580 | 0 | -9 | 130 | | | |
| 105-GS-A | 10590 | 729 | -125 | -2195 | 0 | 0 | 0 |
| 106-SS-A | 10600 | -1 | 269 | 75 | | | |
| 107-SS-A | 10630 | 2 | -80 | -6 | | | |
| 109-SS-A | 10660 | -53 | -764 | 39 | | | |
| 110-GS-A | 10670 | -480 | 15 | -1426 | 0 | 0 | 0 |
| 111-FP-A | 10680 | -169 | -463 | -7837 | 352 | 8451 | -741 |
| 114-SS-A | 10700 | -63 | -912 | 2 | | | |
| 115-SS-A | 10705 | 0 | -79 | 153 | | | |
| 116-GS-A | 10710 | 2261 | 434 | -7747 | 1194 | -9 | 0 |
| 117-SS-A | 10740 | 0 | -7 | 71 | | | |
| 118-GS-A | 10770 | -1544 | -391 | -4987 | -874 | 5 | 5 |
| 119-SS-A | 10780 | -120 | -645 | 358 | | | |
| 120-FP-A | 10790 | 6490 | 1206 | 11967 | 554 | -7166 | 83 |
| 121-SS-A | 10800 | -8 | -186 | 326 | | | |
| 123-SS-A | 10820 | 0 | -14 | 566 | | | |
| 124-GS-A | 10830 | 1420 | 171 | -333 | 3 | 0 | 0 |
| 125-SS-A | 10840 | 2 | -246 | 482 | | | |
| 126-SS-A | 10870 | 0 | -4 | 114 | | | |
| 127-SS-A | 10900 | -2 | 218 | 550 | | | |
| 128-SS-A | 10910 | -1 | -63 | 1130 | | | |
| 129-FP-A | 10920 | 10410 | -96 | -8189 | 56 | 3071 | -298 |
| 131-SS-A | 10940 | 0 | -114 | 410 | | | |
| 132-SS-A | 10950 | -8 | -282 | 420 | | | |
| 133-SS-A | 10980 | 36 | -132 | 215 | | | |

| | | | | | | | |
|----------|-------|--------|---------|--------|--------|-------|--------|
| 46-SS-A | 9690 | -9099 | -61213 | -500 | | | |
| 47-SS-A | 9700 | -13127 | -77602 | 2288 | | | |
| 48-FP-A | 9710 | -36302 | -67653 | -1049 | -6925 | 4494 | -195 |
| 49-SS-A | 9720 | 17138 | -80618 | 7689 | | | |
| 50-SS-A | 9730 | 12107 | -60179 | 6237 | | | |
| 51-SS-A | 9770 | 2912 | -71568 | -20072 | | | |
| 52-SS-A | 9795 | -24253 | -65983 | 7254 | | | |
| 53-SS-A | 9800 | 5813 | -52959 | 584 | | | |
| 54-SS-A | 9810 | 5668 | -79316 | -20366 | | | |
| 56-SS-A | 9840 | -2228 | -86097 | -6338 | | | |
| 57-GS-A | 9850 | 5680 | -69479 | -1469 | 309 | 2 | 67 |
| 58-SS-A | 9910 | 6989 | -86962 | 7688 | | | |
| 60-SS-A | 9930 | -2931 | -91324 | 8920 | | | |
| 61-FP-A | 9940 | -26864 | -72682 | 6856 | -2602 | 8009 | -2043 |
| 62-SS-A | 9950 | 6939 | -65499 | -381 | | | |
| 63-GS-A | 9970 | 6254 | -54385 | 2032 | 2 | 1 | 0 |
| 64-SS-A | 9980 | 9725 | -65747 | -25 | | | |
| 65-SS-A | 10010 | 6649 | -90492 | -8712 | | | |
| 66-SS-A | 10040 | -538 | -63347 | -1276 | | | |
| 67-GS-A | 10050 | -4286 | -30171 | 14121 | 0 | 0 | 0 |
| 68-FP-A | 10055 | 47575 | -117404 | -41665 | -44889 | 11800 | -23232 |
| 70-SS-A | 10100 | -4264 | -56732 | -2867 | | | |
| 71-SS-A | 10105 | -1709 | -22415 | -566 | | | |
| 72-SS-A | 10110 | -107 | -1369 | 803 | | | |
| 73-SS-A | 10115 | 26890 | -118171 | -1305 | | | |
| 74-SS-A | 10150 | 2484 | -80932 | 24534 | | | |
| 76-SS-A | 10170 | -1765 | -69754 | 3538 | | | |
| 77-GS-A | 10180 | 11946 | -74172 | 6621 | -11714 | 2769 | 1735 |
| 78-SS-A | 10190 | 10241 | -63402 | -3114 | | | |
| 79-SS-A | 10220 | 894 | -89496 | -8091 | | | |
| 80-SS-A | 10250 | -1437 | -60746 | -363 | | | |
| 81-GS-A | 10260 | -4099 | -72509 | 4783 | 11 | -3 | 0 |
| 82-SS-A | 10270 | -3118 | -78449 | 922 | | | |
| 83-FP-A | 10280 | 7602 | -73994 | -4155 | -5889 | -369 | 1161 |
| 84-GS-A | 10290 | 14842 | -86069 | 12972 | 4 | 0 | -1 |
| 87-SS-A | 10310 | 5021 | -66858 | 6649 | | | |
| 88-SS-A | 10320 | 5775 | -56247 | 5171 | | | |
| 89-SS-A | 10330 | 8521 | -56535 | 2497 | | | |
| 90-SS-A | 10360 | -8478 | -69805 | -16607 | | | |
| 91-SS-A | 10390 | -3690 | -65256 | 1875 | | | |
| 92-GS-A | 10400 | -9862 | -87806 | 11913 | 0 | 0 | 0 |
| 93-SS-A | 10410 | -5954 | -80394 | -877 | | | |
| 94-FP-A | 10420 | -757 | -82244 | -2334 | -5743 | 125 | 360 |
| 95-GS-A | 10430 | 10193 | -81861 | -976 | 0 | 0 | 0 |
| 96-SS-A | 10440 | 14073 | -81933 | 13719 | | | |
| 97-SS-A | 10450 | 8417 | -67498 | 1905 | | | |
| 98-SS-A | 10480 | 3281 | -89023 | -26659 | | | |
| 99-SS-A | 10510 | -5102 | -59870 | 1348 | | | |
| 100-GS-A | 10520 | -11504 | -74070 | 13422 | 8 | 1 | 0 |
| 101-SS-A | 10530 | -7509 | -71376 | -506 | | | |
| 102-FP-A | 10540 | -24010 | -56654 | -1675 | -5331 | -268 | -219 |
| 103-SS-A | 10560 | 6074 | -64491 | -307 | | | |
| 104-SS-A | 10580 | 6843 | -72660 | -449 | | | |
| 105-GS-A | 10590 | 27085 | -82578 | 11739 | 136 | -1 | -2 |
| 106-SS-A | 10600 | 5670 | -63303 | 734 | | | |
| 107-SS-A | 10630 | 4086 | -68690 | -19651 | | | |
| 109-SS-A | 10660 | -8997 | -66201 | 2 | | | |
| 110-GS-A | 10670 | -14067 | -78409 | 14498 | 0 | 0 | 0 |
| 111-FP-A | 10680 | 5352 | -85721 | -17357 | -3251 | 9032 | -3742 |
| 114-SS-A | 10700 | -6513 | -85547 | -8396 | | | |
| 115-SS-A | 10705 | 413 | -51993 | -991 | | | |
| 116-GS-A | 10710 | 2098 | -57225 | 6998 | 984 | 103 | 0 |
| 117-SS-A | 10740 | -7207 | -87678 | -26316 | | | |
| 118-GS-A | 10770 | -14916 | -64537 | 8542 | -743 | 103 | -2 |
| 119-SS-A | 10780 | -13750 | -72043 | 1460 | | | |
| 120-FP-A | 10790 | -23438 | -76023 | 10140 | -1299 | -7053 | 144 |
| 121-SS-A | 10800 | -2669 | -80759 | 7160 | | | |
| 123-SS-A | 10820 | 620 | -63221 | 5200 | | | |
| 124-GS-A | 10830 | 9108 | -69774 | 17998 | -3 | 0 | 0 |
| 125-SS-A | 10840 | 3508 | -66505 | 386 | | | |
| 126-SS-A | 10870 | 2525 | -67124 | -18978 | | | |
| 127-SS-A | 10900 | -9668 | -65977 | 1398 | | | |
| 128-SS-A | 10910 | -10545 | -81330 | 5730 | | | |
| 129-FP-A | 10920 | 720 | -89916 | -9038 | 1939 | 11866 | -3170 |
| 131-SS-A | 10940 | -11240 | -86922 | -7813 | | | |
| 132-SS-A | 10950 | -4041 | -69117 | 4579 | | | |
| 133-SS-A | 10980 | 9851 | -85511 | -22724 | | | |

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|----------|-------|------|-------|-------|-------|--------|------|
| 134-SS-A | 11010 | -145 | -1375 | 319 | | | |
| 136-FP-A | 11030 | 7005 | 4447 | -431 | -1236 | 4135 | 7461 |
| 137-SS-A | 11070 | 8 | -1419 | 577 | | | |
| 138-SS-A | 11075 | 14 | -1526 | 1242 | | | |
| 139-SS-A | 11080 | 0 | 0 | 1396 | | | |
| 140-SS-A | 11085 | 0 | 0 | 718 | | | |
| 142-SS-A | 11130 | 0 | -74 | 317 | | | |
| 143-SS-A | 11140 | 0 | -63 | 274 | | | |
| 145-FP-A | 11160 | 2069 | 1869 | -4948 | 1718 | -17184 | -909 |
| 1CH-SS-B | 12520 | -17 | -80 | 77 | | | |
| 2CH-SS-B | 12530 | 22 | 0 | -70 | | | |
| 3CH-SS-B | 12550 | 0 | 0 | 0 | | | |
| 1CH-SS-A | 12750 | -1 | 0 | 27 | | | |
| 2CH-SS-A | 12760 | 8 | 0 | -27 | | | |
| 3CH-SS-A | 12780 | 0 | 0 | 0 | | | |

| | | | | | | | |
|----------|-------|--------|--------|-------|-------|-------|--------|
| 134-SS-A | 11010 | -9042 | -62788 | 5318 | | | |
| 136-FP-A | 11030 | -14844 | -75288 | 24804 | -4906 | 7270 | -14559 |
| 137-SS-A | 11070 | -7567 | -83830 | -2842 | | | |
| 138-SS-A | 11075 | 1220 | -13571 | -619 | | | |
| 139-SS-A | 11080 | 1376 | -16615 | -931 | | | |
| 140-SS-A | 11085 | 6176 | -79315 | -4976 | | | |
| 142-SS-A | 11130 | -12419 | -83897 | -7706 | | | |
| 143-SS-A | 11140 | -7077 | -40456 | 456 | | | |
| 145-FP-A | 11160 | 10254 | -60155 | 13734 | 2767 | -4015 | -4034 |
| 1CH-SS-B | 12520 | 1856 | -41359 | -3532 | | | |
| 2CH-SS-B | 12530 | 2706 | -34166 | -2260 | | | |
| 3CH-SS-B | 12550 | 4023 | -48108 | -2638 | | | |
| 1CH-SS-A | 12750 | -787 | -50759 | -4958 | | | |
| 2CH-SS-A | 12760 | 1339 | -19166 | -1451 | | | |
| 3CH-SS-A | 12780 | 2932 | -57710 | -94 | | | |

| Provozní zatížení (W+P1+T1) + vítr 2 | | | | | | | |
|--------------------------------------|------|-----------|-----------|-----------|------------|------------|------------|
| Č. uložení | Node | fx (N) | fy (N) | fz (N) | mx (Nm) | my (Nm) | mz (Nm) |
| 1/1-SS-C | 20 | -8153 | -125417 | 11017 | | | |
| 3-GS-C | 50 | 9942 | -127571 | -3607 | 144 | -10 | 0 |
| 4-SS-C | 80 | -13340 | -85864 | -22037 | | | |
| 5-GS-C | 110 | -13791 | -114564 | 590 | -1136 | 144 | 0 |
| 6-GS-C | 130 | -20535 | -115772 | 24757 | 0 | 0 | 0 |
| 7-SS-C | 140 | -13212 | -145212 | 7763 | | | |
| 9-SS-C | 160 | -9785 | -146165 | 5857 | | | |
| 10-SS-C | 170 | -5403 | -104395 | 1558 | | | |
| 11-GS-C | 180 | -7669 | -151287 | -3148 | 0 | 0 | 0 |
| 13-FP-C | 230 | 67299 | -177732 | 11015 | 13275 | -5378 | 602 |
| 16-SS-C | 290 | 11966 | -143818 | 13377 | | | |
| 17-SS-C | 300 | 12371 | -121421 | 10149 | | | |
| 19-SS-C | 330 | -7575 | -137812 | 12745 | | | |
| 20-GS-C | 340 | -2286 | -111602 | 8778 | 84 | -9 | -13 |
| 21-SS-C | 350 | 3134 | -124666 | 4527 | | | |
| 23-SS-C | 390 | -5428 | -90796 | -15453 | | | |
| 24-SS-C | 420 | -18558 | -130120 | 6434 | | | |
| 25-GS-C | 440 | -22934 | -119827 | 5722 | 0 | 0 | 0 |
| 26-SS-C | 450 | -19651 | -111119 | 7532 | | | |
| 27-SS-C | 460 | -18202 | -150489 | 14694 | | | |
| 29-SS-C | 480 | -22566 | -141742 | 11380 | | | |
| 30-FP-C | 490 | -23076 | -128638 | 1278 | 6596 | 2338 | -3404 |
| 31-SS-C | 500 | -57224 | -178766 | -3095 | | | |
| 32-SS-C | 507 | 0 | 0 | 32 | | | |
| 33-SS-C | 510 | 21091 | -74266 | 7308 | | | |
| 34-SS-C | 520 | 24278 | -87820 | -10469 | | | |
| 35-SS-C | 522 | 15813 | -73364 | -15629 | | | |
| 37-SS-C | 550 | -41155 | -138883 | -11825 | | | |
| 38-SS-C | 560 | -11975 | -112580 | -2285 | | | |
| 39-FP-C | 570 | 28139 | -129875 | 2464 | -6539 | -976 | -1029 |
| 40-SS-C | 580 | 5563 | -70783 | 3903 | | | |
| 41-SS-C | 590 | 10896 | -150068 | 9461 | | | |
| 43-GS-C | 615 | -20954 | -140811 | 30501 | 1542 | -187 | 0 |
| 44-SS-C | 620 | 9325 | -106859 | 3095 | | | |
| 45-SS-C | 660 | -6530 | -90948 | -26806 | | | |
| 46-SS-C | 690 | -14989 | -112151 | 4825 | | | |
| 47-SS-C | 700 | -18958 | -116132 | 3791 | | | |
| 48-GS-C | 710 | -39288 | -102922 | 5026 | -2080 | 146 | -199 |
| 49-SS-C | 720 | -53609 | -142320 | -2828 | | | |
| 51-FP-C | 730 | 34194 | -179900 | 5369 | -2025 | -1623 | -603 |
| 53-SS-C | 740 | 24659 | -120054 | -12944 | | | |
| 54-SS-C | 750 | 11217 | -89573 | -19975 | | | |
| 56-SS-C | 840 | -3444 | -127065 | -13282 | | | |
| 57-GS-C | 850 | 12770 | -106661 | -723 | 460 | 4 | 120 |
| 58-SS-C | 910 | 11962 | -148308 | 9511 | | | |
| 60-SS-C | 930 | -6786 | -163290 | 12660 | | | |
| 61-FP-C | 940 | -43989 | -103234 | 4706 | 2134 | 4582 | -2808 |
| 62-SS-C | 950 | 11541 | -108826 | -1252 | | | |
| 63-GS-C | 970 | 8931 | -73154 | 8534 | -2 | 0 | 0 |
| 64-SS-C | 980 | 14786 | -125903 | 6809 | | | |
| 65-SS-C | 1015 | 14213 | -104907 | -26300 | | | |
| 66-SS-C | 1040 | -1678 | -122268 | 5916 | | | |
| 67-GS-C | 1050 | -1302 | -63157 | 7174 | 0 | 0 | 0 |
| 68-FP-C | 1055 | 46140 | -138902 | -21209 | -10788 | 2481 | -4498 |
| 70-SS-C | 1100 | -4824 | -67397 | -2772 | | | |
| 71-SS-C | 1102 | -3209 | -48037 | -2469 | | | |
| 72-SS-C | 1105 | 4961 | -17750 | -1943 | | | |

| Provozní zatížení (W+P1+T1) + vítr 3 | | | | | | | |
|--------------------------------------|------|-----------|-----------|-----------|------------|------------|------------|
| Č. uložení | Node | fx (N) | fy (N) | fz (N) | mx (Nm) | my (Nm) | mz (Nm) |
| 1/1-SS-C | 20 | -8153 | -125417 | 11017 | | | |
| 3-GS-C | 50 | 9942 | -127571 | -3607 | 145 | -11 | 0 |
| 4-SS-C | 80 | -13340 | -85864 | -22036 | | | |
| 5-GS-C | 110 | -13791 | -114564 | 592 | -1139 | 147 | 0 |
| 6-GS-C | 130 | -20535 | -115772 | 24763 | 0 | 0 | 0 |
| 7-SS-C | 140 | -13212 | -145220 | 7770 | | | |
| 9-SS-C | 160 | -9785 | -146169 | 5865 | | | |
| 10-SS-C | 170 | -5403 | -104395 | 1567 | | | |
| 11-GS-C | 180 | -7670 | -151268 | -3141 | 0 | 0 | 0 |
| 13-FP-C | 230 | 67227 | -177732 | 11160 | 14105 | -5781 | 541 |
| 16-SS-C | 290 | 11966 | -143819 | 13387 | | | |
| 17-SS-C | 300 | 12371 | -121420 | 10159 | | | |
| 19-SS-C | 330 | -7575 | -137810 | 12742 | | | |
| 20-GS-C | 340 | -2286 | -111602 | 8775 | 85 | -9 | -12 |
| 21-SS-C | 350 | 3131 | -124679 | 4524 | | | |
| 23-SS-C | 390 | -5431 | -90810 | -15464 | | | |
| 24-SS-C | 420 | -18555 | -130102 | 6421 | | | |
| 25-GS-C | 440 | -22934 | -119824 | 5707 | 0 | 0 | 0 |
| 26-SS-C | 450 | -19651 | -111112 | 7518 | | | |
| 27-SS-C | 460 | -18202 | -150482 | 14708 | | | |
| 29-SS-C | 480 | -22568 | -141777 | 11277 | | | |
| 30-FP-C | 490 | -21852 | -128814 | 3399 | 13485 | -360 | -3697 |
| 31-SS-C | 500 | -57237 | -178724 | -3508 | | | |
| 32-SS-C | 507 | 0 | 0 | -532 | | | |
| 33-SS-C | 510 | 21090 | -74266 | 6358 | | | |
| 34-SS-C | 520 | 24278 | -87820 | -11266 | | | |
| 35-SS-C | 522 | 15813 | -73364 | -15861 | | | |
| 37-SS-C | 550 | -41156 | -138884 | -11662 | | | |
| 38-SS-C | 560 | -11975 | -112575 | -1205 | | | |
| 39-FP-C | 570 | 30750 | -129456 | 628 | -5661 | -1302 | -1228 |
| 40-SS-C | 580 | 5568 | -71620 | 3995 | | | |
| 41-SS-C | 590 | 10895 | -150069 | 9845 | | | |
| 43-GS-C | 615 | -21082 | -140874 | 31711 | 1552 | -191 | 0 |
| 44-SS-C | 620 | 9324 | -106849 | 1870 | | | |
| 45-SS-C | 660 | -6531 | -91079 | -27287 | | | |
| 46-SS-C | 690 | -14993 | -111977 | 4321 | | | |
| 47-SS-C | 700 | -18963 | -116066 | 3459 | | | |
| 48-GS-C | 710 | -39895 | -103235 | 6999 | -2109 | 148 | -194 |
| 49-SS-C | 720 | -53587 | -141835 | -3880 | | | |
| 51-FP-C | 730 | 39056 | -180429 | 6732 | -2334 | -2195 | -906 |
| 53-SS-C | 740 | 24653 | -119929 | -14495 | | | |
| 54-SS-C | 750 | 11216 | -89517 | -20032 | | | |
| 56-SS-C | 840 | -3444 | -127078 | -11677 | | | |
| 57-GS-C | 850 | 11305 | -106923 | -1765 | 472 | 4 | 122 |
| 58-SS-C | 910 | 11962 | -148321 | 10262 | | | |
| 60-SS-C | 930 | -6787 | -163046 | 12979 | | | |
| 61-FP-C | 940 | -40469 | -103334 | 7299 | 1769 | 5380 | -2799 |
| 62-SS-C | 950 | 11545 | -109026 | -3450 | | | |
| 63-GS-C | 970 | 8248 | -72815 | 9741 | -3 | 0 | 0 |
| 64-SS-C | 980 | 14779 | -125929 | 5600 | | | |
| 65-SS-C | 1015 | 14213 | -104925 | -26233 | | | |
| 66-SS-C | 1040 | -1674 | -122408 | 6053 | | | |
| 67-GS-C | 1050 | -1240 | -60087 | 10903 | 0 | 0 | 0 |
| 68-FP-C | 1055 | 54052 | -141530 | -23931 | -13785 | 5829 | -5434 |
| 70-SS-C | 1100 | -4824 | -67397 | -4279 | | | |
| 71-SS-C | 1102 | -3227 | -47120 | -2907 | | | |
| 72-SS-C | 1105 | 4957 | -17664 | -1346 | | | |

| | | | | | | | |
|----------|------|--------|---------|--------|-------|-------|-------|
| 73-SS-C | 1110 | 16308 | -164584 | -2794 | | | |
| 74-SS-C | 1130 | -5077 | -145978 | 38835 | | | |
| 76-SS-C | 1170 | -3551 | -118959 | 4536 | | | |
| 77-GS-C | 1180 | 19097 | -102725 | 9114 | -315 | -1450 | 2355 |
| 78-SS-C | 1190 | 17632 | -121722 | 6889 | | | |
| 79-SS-C | 1220 | -3979 | -105815 | -28475 | | | |
| 80-SS-C | 1250 | -3267 | -120055 | 5904 | | | |
| 81-GS-C | 1260 | -5880 | -102992 | 11772 | -68 | 4 | 0 |
| 82-SS-C | 1270 | -4236 | -125682 | -4137 | | | |
| 83-SS-C | 1280 | -3504 | -114374 | 4682 | | | |
| 84-SS-C | 1290 | 11467 | -140982 | 13242 | | | |
| 87-SS-C | 1310 | 2756 | -108340 | 10317 | | | |
| 88-SS-C | 1320 | 3254 | -103073 | 9782 | | | |
| 90-FP-C | 1360 | -54784 | -172894 | 7729 | -1309 | 7887 | -4435 |
| 92-GS-C | 1400 | 19596 | -160972 | -4155 | 0 | 0 | 0 |
| 93-SS-C | 1410 | 14862 | -118659 | -414 | | | |
| 94-GS-C | 1420 | 16361 | -130692 | -680 | 0 | 0 | 0 |
| 95-SS-C | 1430 | 16319 | -130388 | -822 | | | |
| 96-GS-C | 1440 | 19311 | -119276 | 16083 | -4 | 0 | 0 |
| 97-SS-C | 1450 | 15251 | -126584 | 2852 | | | |
| 98-SS-C | 1480 | 11606 | -104707 | -30288 | | | |
| 99-SS-C | 1510 | -10834 | -117921 | 1732 | | | |
| 100-GS-C | 1520 | -13958 | -105374 | 11555 | 4 | 1 | 0 |
| 101-SS-C | 1530 | -12071 | -114516 | 296 | | | |
| 102-FP-C | 1540 | -75701 | -88376 | -400 | -828 | 289 | -106 |
| 103-SS-C | 1560 | 9715 | -103032 | -331 | | | |
| 104-SS-C | 1570 | 10197 | -108019 | -57 | | | |
| 105-GS-C | 1580 | 13959 | -147619 | 894 | 5 | 3 | 0 |
| 108-SS-C | 1590 | 15231 | -178638 | 3206 | | | |
| 110-GS-C | 1630 | 11630 | -144118 | -7221 | 854 | -31 | 1 |
| 111-SS-C | 1670 | 5420 | -123954 | -7668 | | | |
| 114-SS-C | 1700 | -9717 | -127180 | -12649 | | | |
| 115-SS-C | 1705 | -1216 | -73236 | -5460 | | | |
| 116-GS-C | 1710 | 1232 | -115342 | 143 | 531 | 47 | 0 |
| 117-SS-C | 1740 | -13779 | -101342 | -30494 | | | |
| 118-GS-C | 1770 | -28068 | -125782 | 17170 | -235 | 56 | -12 |
| 119-SS-C | 1780 | -19093 | -102396 | 3802 | | | |
| 120-SS-C | 1790 | -18458 | -117218 | 8721 | | | |
| 121-SS-C | 1800 | -13130 | -135857 | 12622 | | | |
| 123-SS-C | 1820 | -11024 | -99640 | 7556 | | | |
| 124-GS-C | 1830 | -21277 | -127207 | 13353 | -2129 | 111 | 46 |
| 126-FP-C | 1870 | -154 | -180338 | -4246 | 9964 | -1359 | 581 |
| 128-SS-C | 1910 | 6699 | -147653 | 2874 | | | |
| 129-GS-C | 1920 | 9976 | -130260 | -17642 | 338 | 2 | 0 |
| 131-SS-C | 1940 | -13246 | -120017 | -9586 | | | |
| 132-SS-C | 1950 | -4840 | -133688 | 3147 | | | |
| 133-SS-C | 1980 | 16486 | -98577 | -23170 | | | |
| 134-SS-C | 2010 | -16738 | -124911 | 7138 | | | |
| 136-FP-C | 2030 | -12654 | -127942 | 26346 | 941 | 7765 | -2612 |
| 137-SS-C | 2070 | -11679 | -117072 | 76 | | | |
| 138-SS-C | 2075 | 1919 | -30951 | -2102 | | | |
| 139-SS-C | 2080 | 3410 | -35216 | -453 | | | |
| 140-SS-C | 2085 | 10224 | -110384 | -3822 | | | |
| 142-SS-C | 2130 | -15196 | -105542 | -8030 | | | |
| 143-SS-C | 2140 | -8981 | -82194 | 6364 | | | |
| 145-FP-C | 2160 | 13412 | -75347 | 18846 | 1985 | 5038 | -3874 |
| 1-FP-B | 3000 | 63034 | 30251 | 8400 | 1773 | -2530 | 4502 |
| 1/1-SS-B | 3018 | 7487 | -91253 | -1156 | | | |
| 2-GS-B | 3030 | 5922 | -60870 | 4335 | -1 | 0 | 0 |
| 3-GS-B | 3050 | 5097 | -62224 | 462 | 220 | 12 | 0 |
| 4-SS-B | 3080 | -5320 | -66063 | -19055 | | | |
| 5-GS-B | 3105 | -8311 | -68323 | 826 | -892 | 35 | 0 |
| 6-GS-B | 3130 | -13116 | -76247 | 14947 | 0 | 0 | 0 |
| 7-SS-B | 3140 | -7846 | -91015 | 5454 | | | |
| 9-FP-B | 3160 | 5 | -91223 | 6294 | -1679 | 6441 | 4958 |
| 10-SS-B | 3170 | 10306 | -71920 | -2082 | | | |
| 11-GS-B | 3180 | 15110 | -80921 | 11562 | 0 | 0 | 0 |
| 12-SS-B | 3190 | 9407 | -68661 | 2279 | | | |
| 13-SS-B | 3230 | 17483 | -66224 | -14782 | | | |
| 14-SS-B | 3260 | -2864 | -65328 | 3415 | | | |
| 16-SS-B | 3290 | -1708 | -75053 | 5356 | | | |
| 17-SS-B | 3300 | -969 | -80584 | 6523 | | | |
| 19-FP-B | 3330 | -12382 | -82370 | 14876 | 6026 | 6238 | 2294 |
| 20-GS-B | 3340 | 475 | -76108 | 4094 | 61 | -5 | -2 |
| 21-SS-B | 3350 | 2811 | -71575 | 2302 | | | |
| 23-SS-B | 3390 | -8892 | -70949 | -14648 | | | |
| 24-SS-B | 3420 | -14435 | -78879 | 3783 | | | |

| | | | | | | | |
|----------|------|--------|---------|--------|-------|-------|-------|
| 73-SS-C | 1110 | 16308 | -164584 | -1976 | | | |
| 74-SS-C | 1130 | -5188 | -145556 | 41835 | | | |
| 76-SS-C | 1170 | -3555 | -119077 | 3832 | | | |
| 77-GS-C | 1180 | 25378 | -102857 | 10080 | -2087 | -1441 | 2125 |
| 78-SS-C | 1190 | 17636 | -121793 | 6164 | | | |
| 79-SS-C | 1220 | -3953 | -105935 | -28602 | | | |
| 80-SS-C | 1250 | -3269 | -120072 | 6039 | | | |
| 81-GS-C | 1260 | -5828 | -102881 | 12449 | -71 | 4 | 0 |
| 82-SS-C | 1270 | -4239 | -125705 | -4906 | | | |
| 83-SS-C | 1280 | -3505 | -114415 | 4409 | | | |
| 84-SS-C | 1290 | 11467 | -141026 | 13403 | | | |
| 87-SS-C | 1310 | 2751 | -108245 | 10189 | | | |
| 88-SS-C | 1320 | 3254 | -103095 | 9612 | | | |
| 90-FP-C | 1360 | -54422 | -172831 | 8846 | -1413 | 8101 | -4479 |
| 92-GS-C | 1400 | 19596 | -161000 | -4549 | 0 | 0 | 0 |
| 93-SS-C | 1410 | 14862 | -118666 | -713 | | | |
| 94-GS-C | 1420 | 16273 | -130681 | -592 | 0 | 0 | 0 |
| 95-SS-C | 1430 | 16320 | -130391 | -946 | | | |
| 96-GS-C | 1440 | 19165 | -119277 | 16523 | -4 | 0 | 0 |
| 97-SS-C | 1450 | 15251 | -126580 | 2723 | | | |
| 98-SS-C | 1480 | 11606 | -104707 | -30311 | | | |
| 99-SS-C | 1510 | -10834 | -117916 | 1682 | | | |
| 100-GS-C | 1520 | -13958 | -105375 | 11483 | 4 | 1 | 0 |
| 101-SS-C | 1530 | -12071 | -114507 | 262 | | | |
| 102-FP-C | 1540 | -75396 | -88377 | 123 | -936 | 206 | -106 |
| 103-SS-C | 1560 | 9715 | -103031 | -427 | | | |
| 104-SS-C | 1570 | 10197 | -108018 | -171 | | | |
| 105-GS-C | 1580 | 13959 | -147617 | 749 | 3 | 3 | 0 |
| 108-SS-C | 1590 | 15231 | -178593 | 3022 | | | |
| 110-GS-C | 1630 | 11750 | -144082 | -7250 | 838 | -29 | 0 |
| 111-SS-C | 1670 | 5420 | -123947 | -8028 | | | |
| 114-SS-C | 1700 | -9716 | -127156 | -12473 | | | |
| 115-SS-C | 1705 | -1217 | -73203 | -5162 | | | |
| 116-GS-C | 1710 | 1258 | -115380 | 690 | 526 | 47 | 0 |
| 117-SS-C | 1740 | -13779 | -101337 | -30245 | | | |
| 118-GS-C | 1770 | -28054 | -125966 | 17607 | -235 | 58 | -12 |
| 119-SS-C | 1780 | -19093 | -102319 | 2930 | | | |
| 120-SS-C | 1790 | -18458 | -117120 | 8315 | | | |
| 121-SS-C | 1800 | -13138 | -135940 | 12799 | | | |
| 123-SS-C | 1820 | -11033 | -99769 | 7504 | | | |
| 124-GS-C | 1830 | -21573 | -127032 | 14378 | -2129 | 111 | 38 |
| 126-FP-C | 1870 | 3990 | -180357 | -3328 | 10364 | -1758 | 430 |
| 128-SS-C | 1910 | 6658 | -148300 | 1623 | | | |
| 129-GS-C | 1920 | 9934 | -129690 | -16548 | 359 | -3 | 0 |
| 131-SS-C | 1940 | -13246 | -119816 | -11576 | | | |
| 132-SS-C | 1950 | -4848 | -133382 | 2099 | | | |
| 133-SS-C | 1980 | 16486 | -98573 | -23049 | | | |
| 134-SS-C | 2010 | -16757 | -125217 | 8431 | | | |
| 136-FP-C | 2030 | -13424 | -128568 | 34283 | 7338 | -882 | 2560 |
| 137-SS-C | 2070 | -11678 | -117072 | -1513 | | | |
| 138-SS-C | 2075 | 1918 | -30951 | -4390 | | | |
| 139-SS-C | 2080 | 3410 | -35216 | -2548 | | | |
| 140-SS-C | 2085 | 10224 | -110384 | -4948 | | | |
| 142-SS-C | 2130 | -15196 | -105443 | -8019 | | | |
| 143-SS-C | 2140 | -8981 | -82092 | 7413 | | | |
| 145-FP-C | 2160 | 18176 | -76145 | 25542 | 5201 | 7373 | -2272 |
| 1-FP-B | 3000 | 63029 | 30245 | 8402 | 1768 | -2535 | 4500 |
| 1/1-SS-B | 3018 | 7487 | -91253 | -1156 | | | |
| 2-GS-B | 3030 | 5922 | -60870 | 4335 | 0 | 0 | 0 |
| 3-GS-B | 3050 | 5098 | -62226 | 456 | 220 | 12 | 0 |
| 4-SS-B | 3080 | -5320 | -66063 | -19051 | | | |
| 5-GS-B | 3105 | -8311 | -68323 | 831 | -892 | 35 | 0 |
| 6-GS-B | 3130 | -13116 | -76247 | 14955 | 0 | 0 | 0 |
| 7-SS-B | 3140 | -7846 | -91025 | 5465 | | | |
| 9-FP-B | 3160 | -43 | -91208 | 6295 | -1539 | 6444 | 4987 |
| 10-SS-B | 3170 | 10306 | -71920 | -2077 | | | |
| 11-GS-B | 3180 | 15110 | -80921 | 11567 | 0 | 0 | 0 |
| 12-SS-B | 3190 | 9407 | -68660 | 2284 | | | |
| 13-SS-B | 3230 | 17483 | -66224 | -14777 | | | |
| 14-SS-B | 3260 | -2864 | -65329 | 3420 | | | |
| 16-SS-B | 3290 | -1708 | -75053 | 5366 | | | |
| 17-SS-B | 3300 | -968 | -80612 | 6530 | | | |
| 19-FP-B | 3330 | -12768 | -82321 | 15014 | 6975 | 5842 | 2508 |
| 20-GS-B | 3340 | 475 | -76108 | 4093 | 61 | -6 | -1 |
| 21-SS-B | 3350 | 2810 | -71618 | 2301 | | | |
| 23-SS-B | 3390 | -8892 | -70949 | -14659 | | | |
| 24-SS-B | 3420 | -14434 | -78869 | 3772 | | | |

| | | | | | | | |
|----------|------|--------|---------|--------|--------|-------|--------|
| 25-GS-B | 3440 | -17507 | -78553 | 11681 | 0 | 0 | 0 |
| 26-SS-B | 3450 | -11450 | -71287 | 5834 | | | |
| 27-SS-B | 3460 | -10443 | -92910 | 9194 | | | |
| 29-SS-B | 3480 | -12844 | -87668 | 7726 | | | |
| 30-FP-B | 3490 | -9942 | -84975 | 4775 | 9553 | 8759 | -5335 |
| 31-SS-B | 3500 | -36925 | -114792 | -2278 | | | |
| 32-SS-B | 3510 | 1 | 0 | 170 | | | |
| 33-SS-B | 3520 | 13068 | -44150 | 2084 | | | |
| 34-SS-B | 3522 | 13461 | -47539 | -4909 | | | |
| 35-SS-B | 3524 | 16009 | -68023 | -12934 | | | |
| 37-SS-B | 3550 | -27602 | -97527 | -11704 | | | |
| 38-SS-B | 3560 | -7010 | -66982 | -2284 | | | |
| 39-FP-B | 3570 | 14522 | -83447 | 4312 | -11854 | -4007 | -1279 |
| 40-SS-B | 3580 | 3402 | -49951 | 3516 | | | |
| 41-SS-B | 3590 | 5725 | -86500 | 5978 | | | |
| 43-GS-B | 3615 | -12168 | -84953 | 29666 | 1300 | -45 | 0 |
| 44-SS-B | 3620 | 5697 | -64805 | 900 | | | |
| 45-SS-B | 3660 | -1305 | -70370 | -20870 | | | |
| 46-SS-B | 3690 | -9148 | -67362 | 2456 | | | |
| 47-SS-B | 3700 | -11767 | -75094 | 2677 | | | |
| 48-FP-B | 3705 | -44916 | -69032 | 3725 | -3399 | -1918 | 532 |
| 49-SS-B | 3720 | 16779 | -75505 | 5873 | | | |
| 50-SS-B | 3730 | 16090 | -72598 | 5615 | | | |
| 51-SS-B | 3760 | 904 | -55142 | -14968 | | | |
| 52-SS-B | 3790 | -27699 | -77809 | 7465 | | | |
| 53-SS-B | 3800 | 8422 | -51800 | -10535 | | | |
| 54-SS-B | 3810 | 2563 | -72747 | -21832 | | | |
| 56-SS-B | 3840 | -4349 | -83041 | -7920 | | | |
| 57-GS-B | 3850 | 1579 | -68732 | -4917 | 0 | 0 | 0 |
| 58-SS-B | 3860 | 22748 | -90110 | 15675 | | | |
| 60-SS-B | 3930 | -3935 | -97701 | 6512 | | | |
| 61-FP-B | 3940 | -36790 | -69242 | 7347 | 1538 | 13703 | -3307 |
| 62-SS-B | 3950 | 6958 | -67724 | -1798 | | | |
| 63-GS-B | 3970 | 8026 | -49811 | 11302 | -2 | 0 | 0 |
| 64-SS-B | 3980 | 9616 | -73890 | 2954 | | | |
| 65-SS-B | 4010 | 9765 | -80835 | -24147 | | | |
| 66-SS-B | 4040 | -1314 | -70889 | 1438 | | | |
| 67-GS-B | 4050 | -6773 | -31867 | 20300 | 0 | 0 | 0 |
| 68-FP-B | 4055 | 47686 | -114817 | -44319 | -32082 | 6969 | -13806 |
| 70-SS-B | 4100 | -3022 | -39361 | -970 | | | |
| 71-SS-B | 4105 | -2399 | -31873 | -1259 | | | |
| 72-SS-B | 4110 | -83 | -1326 | -224 | | | |
| 73-SS-B | 4115 | 29089 | -115056 | -3207 | | | |
| 74-SS-B | 4150 | 2129 | -88746 | 23840 | | | |
| 76-SS-B | 4170 | -2003 | -72254 | 3031 | | | |
| 77-GS-B | 4180 | 1691 | -69796 | 10202 | -4959 | -1513 | 3241 |
| 78-SS-B | 4190 | 11741 | -70892 | 1617 | | | |
| 79-SS-B | 4220 | -5641 | -79616 | -21150 | | | |
| 80-SS-B | 4250 | -2101 | -69221 | 1919 | | | |
| 81-GS-B | 4260 | -6041 | -68901 | 12650 | -54 | 0 | 0 |
| 82-SS-B | 4270 | -3088 | -79227 | -1633 | | | |
| 83-FP-B | 4280 | 18254 | -73405 | -4890 | -4062 | -1756 | 1178 |
| 84-GS-B | 4290 | 15409 | -87551 | 14180 | -98 | 5 | 0 |
| 87-SS-B | 4310 | 4862 | -70926 | 7045 | | | |
| 88-SS-B | 4320 | 5152 | -51058 | 4659 | | | |
| 89-SS-B | 4330 | 9686 | -65070 | 2864 | | | |
| 90-SS-B | 4360 | -6202 | -59596 | -14900 | | | |
| 91-SS-B | 4390 | -4217 | -72527 | 1482 | | | |
| 92-GS-B | 4400 | -9137 | -85173 | 10047 | 0 | 0 | 0 |
| 93-SS-B | 4410 | -6040 | -81079 | -668 | | | |
| 94-FP-B | 4420 | -2961 | -81897 | -1697 | -3960 | -12 | 343 |
| 95-GS-B | 4430 | 10319 | -82680 | -762 | 0 | 0 | 0 |
| 96-SS-B | 4440 | 13122 | -78592 | 11883 | | | |
| 97-SS-B | 4450 | 9142 | -74835 | 1849 | | | |
| 98-SS-B | 4480 | 3251 | -79122 | -23722 | | | |
| 99-SS-B | 4510 | -6076 | -68242 | 1291 | | | |
| 100-GS-B | 4520 | -10588 | -70339 | 11504 | 7 | 0 | 0 |
| 101-SS-B | 4530 | -7605 | -72201 | -510 | | | |
| 102-FP-B | 4540 | -8036 | -56475 | -1108 | -3780 | -285 | -257 |
| 103-SS-B | 4560 | 6063 | -64307 | -129 | | | |
| 104-SS-B | 4580 | 6924 | -73400 | -223 | | | |
| 105-GS-B | 4590 | 10269 | -79780 | 9861 | 127 | 0 | -2 |
| 106-SS-B | 4600 | 6479 | -70700 | 452 | | | |
| 107-SS-B | 4630 | 2452 | -58465 | -16859 | | | |
| 109-SS-B | 4660 | -9627 | -73382 | -364 | | | |
| 110-GS-B | 4670 | -13399 | -76001 | 13091 | 0 | 0 | 0 |
| 111-FP-B | 4680 | 5659 | -84539 | -16999 | -978 | 9477 | -2786 |

| | | | | | | | |
|----------|------|--------|---------|--------|--------|-------|--------|
| 25-GS-B | 3440 | -17507 | -78551 | 11666 | 0 | 0 | 0 |
| 26-SS-B | 3450 | -11450 | -71281 | 5821 | | | |
| 27-SS-B | 3460 | -10446 | -92926 | 9204 | | | |
| 29-SS-B | 3480 | -12839 | -87604 | 7645 | | | |
| 30-FP-B | 3490 | -8515 | -85187 | 6781 | 17776 | 4401 | -5881 |
| 31-SS-B | 3500 | -36937 | -114757 | -2647 | | | |
| 32-SS-B | 3510 | 3 | 0 | -337 | | | |
| 33-SS-B | 3520 | 13068 | -44150 | 1281 | | | |
| 34-SS-B | 3522 | 13461 | -47539 | -5584 | | | |
| 35-SS-B | 3524 | 16009 | -68023 | -13207 | | | |
| 37-SS-B | 3550 | -27602 | -97524 | -11539 | | | |
| 38-SS-B | 3560 | -7010 | -66977 | -1351 | | | |
| 39-FP-B | 3570 | 17100 | -83212 | 2806 | -10460 | -4924 | -1557 |
| 40-SS-B | 3580 | 3401 | -50534 | 3540 | | | |
| 41-SS-B | 3590 | 5724 | -86502 | 6258 | | | |
| 43-GS-B | 3615 | -12109 | -85028 | 29794 | 1271 | -54 | 0 |
| 44-SS-B | 3620 | 5694 | -64829 | 267 | | | |
| 45-SS-B | 3660 | -1315 | -70414 | -20934 | | | |
| 46-SS-B | 3690 | -9150 | -67221 | 2472 | | | |
| 47-SS-B | 3700 | -11739 | -74611 | 2867 | | | |
| 48-FP-B | 3705 | -40585 | -69965 | 6549 | -4605 | -5141 | -517 |
| 49-SS-B | 3720 | 16789 | -75396 | 3580 | | | |
| 50-SS-B | 3730 | 16083 | -72638 | 4273 | | | |
| 51-SS-B | 3760 | 904 | -55137 | -15395 | | | |
| 52-SS-B | 3790 | -27701 | -77720 | 6964 | | | |
| 53-SS-B | 3800 | 8422 | -51659 | -10610 | | | |
| 54-SS-B | 3810 | 2565 | -72672 | -20910 | | | |
| 56-SS-B | 3840 | -4349 | -83051 | -6451 | | | |
| 57-GS-B | 3850 | 196 | -69263 | -6388 | 0 | 0 | 0 |
| 58-SS-B | 3860 | 22747 | -90121 | 15690 | | | |
| 60-SS-B | 3930 | -3937 | -97311 | 7474 | | | |
| 61-FP-B | 3940 | -34519 | -69298 | 12250 | 1190 | 17561 | -3363 |
| 62-SS-B | 3950 | 6958 | -67902 | -3725 | | | |
| 63-GS-B | 3970 | 8809 | -49588 | 11306 | -2 | 0 | 0 |
| 64-SS-B | 3980 | 9609 | -73905 | 1847 | | | |
| 65-SS-B | 4010 | 9765 | -80863 | -24297 | | | |
| 66-SS-B | 4040 | -1314 | -70976 | 1515 | | | |
| 67-GS-B | 4050 | -6138 | -28988 | 24628 | 0 | 0 | 0 |
| 68-FP-B | 4055 | 54072 | -117307 | -47418 | -35675 | 11816 | -15610 |
| 70-SS-B | 4100 | -3022 | -39361 | -2111 | | | |
| 71-SS-B | 4105 | -2412 | -31199 | -1533 | | | |
| 72-SS-B | 4110 | -87 | -1101 | 378 | | | |
| 73-SS-B | 4115 | 29089 | -115056 | -2360 | | | |
| 74-SS-B | 4150 | 2039 | -88484 | 26573 | | | |
| 76-SS-B | 4170 | -2004 | -72344 | 2309 | | | |
| 77-GS-B | 4180 | 6855 | -69953 | 11060 | -6987 | -1140 | 2863 |
| 78-SS-B | 4190 | 11741 | -70947 | 858 | | | |
| 79-SS-B | 4220 | -5630 | -79691 | -21431 | | | |
| 80-SS-B | 4250 | -2101 | -69248 | 1922 | | | |
| 81-GS-B | 4260 | -6092 | -68776 | 12918 | -53 | -1 | 0 |
| 82-SS-B | 4270 | -3084 | -79339 | -1591 | | | |
| 83-FP-B | 4280 | 19244 | -73308 | -4299 | -4270 | -2187 | 1246 |
| 84-GS-B | 4290 | 15408 | -87570 | 13756 | -100 | 5 | 0 |
| 87-SS-B | 4310 | 4862 | -70908 | 6853 | | | |
| 88-SS-B | 4320 | 5152 | -51071 | 4431 | | | |
| 89-SS-B | 4330 | 9686 | -65081 | 2787 | | | |
| 90-SS-B | 4360 | -6202 | -59597 | -14822 | | | |
| 91-SS-B | 4390 | -4218 | -72502 | 1477 | | | |
| 92-GS-B | 4400 | -9376 | -85119 | 10824 | 0 | 0 | 0 |
| 93-SS-B | 4410 | -6039 | -81123 | -870 | | | |
| 94-FP-B | 4420 | -2659 | -81886 | -1767 | -3938 | -378 | 339 |
| 95-GS-B | 4430 | 10319 | -82683 | -1025 | 0 | 0 | 0 |
| 96-SS-B | 4440 | 13016 | -78590 | 12046 | | | |
| 97-SS-B | 4450 | 9142 | -74833 | 1761 | | | |
| 98-SS-B | 4480 | 3252 | -79124 | -23728 | | | |
| 99-SS-B | 4510 | -6076 | -68234 | 1277 | | | |
| 100-GS-B | 4520 | -10557 | -70341 | 11571 | 7 | 0 | 0 |
| 101-SS-B | 4530 | -7605 | -72196 | -513 | | | |
| 102-FP-B | 4540 | -7783 | -56483 | -736 | -3795 | -49 | -263 |
| 103-SS-B | 4560 | 6063 | -64306 | -335 | | | |
| 104-SS-B | 4580 | 6924 | -73399 | -409 | | | |
| 105-GS-B | 4590 | 10143 | -79781 | 9993 | 127 | 0 | -2 |
| 106-SS-B | 4600 | 6479 | -70700 | 385 | | | |
| 107-SS-B | 4630 | 2452 | -58472 | -16836 | | | |
| 109-SS-B | 4660 | -9627 | -73380 | -392 | | | |
| 110-GS-B | 4670 | -13399 | -75993 | 13026 | 0 | 0 | 0 |
| 111-FP-B | 4680 | 6204 | -84555 | -16462 | -1079 | 9737 | -2797 |

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|----------|------|--------|---------|--------|--------|-------|-------|
| 114-SS-B | 4700 | -6666 | -82870 | -8015 | | | |
| 115-SS-B | 4705 | 332 | -48974 | -1279 | | | |
| 116-GS-B | 4710 | 1992 | -65802 | 5853 | 537 | 46 | 0 |
| 117-SS-B | 4740 | -6957 | -77896 | -23399 | | | |
| 118-GS-B | 4770 | -16240 | -72576 | 8029 | -384 | 46 | -1 |
| 119-SS-B | 4780 | -13079 | -68350 | 161 | | | |
| 120-FP-B | 4790 | -22332 | -75920 | 10969 | 1901 | -7222 | 592 |
| 121-SS-B | 4800 | -2456 | -82643 | 7086 | | | |
| 123-SS-B | 4820 | 539 | -66706 | 4807 | | | |
| 124-GS-B | 4830 | 7579 | -65281 | 17804 | -3 | 1 | 0 |
| 125-SS-B | 4840 | 3835 | -74104 | 143 | | | |
| 126-SS-B | 4870 | 1357 | -56873 | -16105 | | | |
| 127-SS-B | 4900 | -10884 | -73356 | 531 | | | |
| 128-SS-B | 4910 | -10470 | -79331 | 4119 | | | |
| 129-FP-B | 4920 | -3203 | -87548 | -8436 | 3793 | 11056 | -1317 |
| 131-SS-B | 4940 | -10841 | -81022 | -6759 | | | |
| 132-SS-B | 4950 | -3822 | -77066 | 4195 | | | |
| 133-SS-B | 4980 | 9189 | -75975 | -20569 | | | |
| 134-SS-B | 5010 | -9545 | -71157 | 3784 | | | |
| 136-FP-B | 5030 | -17969 | -81017 | 23711 | 1114 | 12115 | -7817 |
| 137-SS-B | 5070 | -7693 | -79514 | -1283 | | | |
| 138-SS-B | 5075 | 3958 | -14499 | -1416 | | | |
| 139-SS-B | 5080 | 1527 | -18164 | -731 | | | |
| 140-SS-B | 5085 | 5983 | -75572 | -4447 | | | |
| 142-SS-B | 5130 | -10305 | -79397 | -7088 | | | |
| 143-SS-B | 5140 | -8020 | -46003 | -633 | | | |
| 145-FP-B | 5160 | 7728 | -59604 | 17600 | 5340 | 2916 | -4146 |
| 1-FP-A | 9000 | 88074 | 46640 | 13324 | 9039 | -940 | 6799 |
| 1/1-SS-A | 9018 | 8933 | -107872 | 0 | | | |
| 2-GS-A | 9030 | 9057 | -80658 | 5373 | -1 | 0 | 0 |
| 3-GS-A | 9050 | 4720 | -54084 | 849 | 233 | -6 | 0 |
| 4-SS-A | 9080 | -6258 | -75117 | -21608 | | | |
| 5-GS-A | 9105 | -7896 | -62255 | 1880 | -967 | 39 | 0 |
| 6-GS-A | 9130 | -13696 | -79524 | 15660 | 0 | 0 | 0 |
| 7-SS-A | 9140 | -8574 | -87233 | 5105 | | | |
| 9-FP-A | 9160 | 11092 | -89175 | 7560 | -2564 | 5318 | 4072 |
| 10-SS-A | 9170 | 10602 | -72057 | -669 | | | |
| 11-GS-A | 9180 | 13452 | -83104 | 5004 | 0 | 0 | 0 |
| 12-SS-A | 9190 | 9336 | -63289 | -414 | | | |
| 13-SS-A | 9230 | 7591 | -74502 | -6239 | | | |
| 14-SS-A | 9260 | -2725 | -57581 | 1680 | | | |
| 16-SS-A | 9290 | -1933 | -76277 | 5190 | | | |
| 17-SS-A | 9300 | -1061 | -79002 | 6322 | | | |
| 19-FP-A | 9330 | -12382 | -82370 | 14876 | 6026 | 6238 | 2294 |
| 20-GS-A | 9340 | 475 | -76108 | 4094 | 61 | -5 | -2 |
| 21-SS-A | 9350 | 2811 | -71575 | 2302 | | | |
| 23-SS-A | 9390 | -8892 | -70949 | -14648 | | | |
| 24-SS-A | 9420 | -14435 | -78879 | 3783 | | | |
| 25-GS-A | 9440 | -17507 | -78553 | 11681 | 0 | 0 | 0 |
| 26-SS-A | 9450 | -11450 | -71287 | 5834 | | | |
| 27-SS-A | 9460 | -10443 | -92910 | 9194 | | | |
| 29-SS-A | 9480 | -12844 | -87668 | 7726 | | | |
| 30-FP-A | 9490 | -9942 | -84975 | 4775 | 9553 | 8759 | -5335 |
| 31-SS-A | 9500 | -36925 | -114792 | -2278 | | | |
| 32-SS-A | 9510 | 1 | 0 | 170 | | | |
| 33-SS-A | 9515 | 13399 | -45541 | 2542 | | | |
| 34-SS-A | 9520 | 10578 | -36362 | -2790 | | | |
| 35-SS-A | 9522 | 21983 | -91051 | -16304 | | | |
| 37-SS-A | 9550 | -30497 | -103903 | -9818 | | | |
| 38-SS-A | 9560 | -6655 | -63161 | -1890 | | | |
| 39-FP-A | 9570 | 19983 | -83727 | 4892 | -14380 | -3859 | -796 |
| 40-SS-A | 9580 | 3661 | -54528 | 3033 | | | |
| 41-SS-A | 9590 | 4959 | -76868 | 5022 | | | |
| 43-GS-A | 9615 | -4520 | -82521 | 26122 | 965 | -26 | 0 |
| 44-SS-A | 9620 | 3333 | -59920 | -4580 | | | |
| 45-SS-A | 9660 | -4552 | -78024 | -7881 | | | |
| 46-SS-A | 9690 | -9094 | -61263 | -1078 | | | |
| 47-SS-A | 9700 | -13155 | -78116 | 1015 | | | |
| 48-FP-A | 9710 | -45446 | -66699 | 5005 | -5619 | -3408 | 769 |
| 49-SS-A | 9720 | 17141 | -80739 | 6141 | | | |
| 50-SS-A | 9730 | 12123 | -59982 | 5415 | | | |
| 51-SS-A | 9770 | 2919 | -71461 | -20273 | | | |
| 52-SS-A | 9795 | -24257 | -66191 | 6236 | | | |
| 53-SS-A | 9800 | 5814 | -53083 | -1035 | | | |
| 54-SS-A | 9810 | 5668 | -79192 | -21223 | | | |
| 56-SS-A | 9840 | -2220 | -86002 | -9919 | | | |
| 57-GS-A | 9850 | 8666 | -68928 | 4932 | 284 | 2 | 64 |

| | | | | | | | |
|----------|------|--------|---------|--------|--------|-------|-------|
| 114-SS-B | 4700 | -6666 | -82856 | -8307 | | | |
| 115-SS-B | 4705 | 330 | -48965 | -1454 | | | |
| 116-GS-B | 4710 | 1957 | -65851 | 5705 | 537 | 47 | 0 |
| 117-SS-B | 4740 | -6958 | -77896 | -23508 | | | |
| 118-GS-B | 4770 | -16168 | -72638 | 8235 | -384 | 47 | -1 |
| 119-SS-B | 4780 | -13082 | -68315 | 328 | | | |
| 120-FP-B | 4790 | -21970 | -75948 | 11231 | 1740 | -6880 | 617 |
| 121-SS-B | 4800 | -2462 | -82646 | 6576 | | | |
| 123-SS-B | 4820 | 536 | -66707 | 4742 | | | |
| 124-GS-B | 4830 | 7061 | -65382 | 19492 | -3 | 1 | 0 |
| 125-SS-B | 4840 | 3835 | -74068 | -720 | | | |
| 126-SS-B | 4870 | 1357 | -56869 | -16376 | | | |
| 127-SS-B | 4900 | -10885 | -73317 | 123 | | | |
| 128-SS-B | 4910 | -10480 | -79448 | 3708 | | | |
| 129-FP-B | 4920 | 1803 | -87683 | -6038 | 4569 | 13995 | -1561 |
| 131-SS-B | 4940 | -10841 | -80845 | -8480 | | | |
| 132-SS-B | 4950 | -3823 | -76805 | 3287 | | | |
| 133-SS-B | 4980 | 9189 | -75968 | -20399 | | | |
| 134-SS-B | 5010 | -9545 | -71233 | 5030 | | | |
| 136-FP-B | 5030 | -18495 | -81576 | 29566 | 8742 | -304 | -2263 |
| 137-SS-B | 5070 | -7691 | -79514 | -2578 | | | |
| 138-SS-B | 5075 | 3957 | -14499 | -3242 | | | |
| 139-SS-B | 5080 | 1527 | -18164 | -2395 | | | |
| 140-SS-B | 5085 | 5983 | -75572 | -5344 | | | |
| 142-SS-B | 5130 | -10305 | -79301 | -6981 | | | |
| 143-SS-B | 5140 | -8020 | -45916 | 395 | | | |
| 145-FP-B | 5160 | 11579 | -60188 | 22899 | 10534 | 2839 | -3343 |
| 1-FP-A | 9000 | 88254 | 46903 | 14082 | 8242 | -4085 | 6980 |
| 1/1-SS-A | 9018 | 8933 | -107872 | 0 | | | |
| 2-GS-A | 9030 | 9304 | -80637 | 5338 | -2 | 0 | 0 |
| 3-GS-A | 9050 | 4466 | -54099 | 853 | 234 | -6 | 0 |
| 4-SS-A | 9080 | -6258 | -75117 | -21608 | | | |
| 5-GS-A | 9105 | -7896 | -62255 | 1882 | -967 | 40 | 0 |
| 6-GS-A | 9130 | -13696 | -79524 | 15662 | 0 | 0 | 0 |
| 7-SS-A | 9140 | -8574 | -87249 | 5108 | | | |
| 9-FP-A | 9160 | 11052 | -89156 | 7550 | -2419 | 5340 | 4099 |
| 10-SS-A | 9170 | 10602 | -72058 | -667 | | | |
| 11-GS-A | 9180 | 13452 | -83104 | 5004 | 0 | 0 | 0 |
| 12-SS-A | 9190 | 9336 | -63289 | -414 | | | |
| 13-SS-A | 9230 | 7591 | -74502 | -6239 | | | |
| 14-SS-A | 9260 | -2725 | -57581 | 1680 | | | |
| 16-SS-A | 9290 | -1933 | -76276 | 5190 | | | |
| 17-SS-A | 9300 | -1061 | -79033 | 6319 | | | |
| 19-FP-A | 9330 | -12768 | -82321 | 15014 | 6975 | 5842 | 2508 |
| 20-GS-A | 9340 | 475 | -76108 | 4093 | 61 | -6 | -1 |
| 21-SS-A | 9350 | 2810 | -71618 | 2301 | | | |
| 23-SS-A | 9390 | -8892 | -70949 | -14659 | | | |
| 24-SS-A | 9420 | -14434 | -78869 | 3772 | | | |
| 25-GS-A | 9440 | -17507 | -78551 | 11666 | 0 | 0 | 0 |
| 26-SS-A | 9450 | -11450 | -71281 | 5821 | | | |
| 27-SS-A | 9460 | -10446 | -92926 | 9204 | | | |
| 29-SS-A | 9480 | -12839 | -87604 | 7645 | | | |
| 30-FP-A | 9490 | -8515 | -85187 | 6781 | 17776 | 4401 | -5881 |
| 31-SS-A | 9500 | -36937 | -114757 | -2647 | | | |
| 32-SS-A | 9510 | 3 | 0 | -337 | | | |
| 33-SS-A | 9515 | 13399 | -45541 | 1802 | | | |
| 34-SS-A | 9520 | 10578 | -36362 | -3531 | | | |
| 35-SS-A | 9522 | 21983 | -91051 | -16826 | | | |
| 37-SS-A | 9550 | -30497 | -103898 | -9181 | | | |
| 38-SS-A | 9560 | -6655 | -63157 | -1050 | | | |
| 39-FP-A | 9570 | 22634 | -83487 | 2528 | -12930 | -4960 | -1069 |
| 40-SS-A | 9580 | 3658 | -55121 | 3809 | | | |
| 41-SS-A | 9590 | 4959 | -76866 | 5422 | | | |
| 43-GS-A | 9615 | -4454 | -82598 | 25667 | 937 | -36 | 0 |
| 44-SS-A | 9620 | 3330 | -59943 | -4745 | | | |
| 45-SS-A | 9660 | -4559 | -78067 | -7926 | | | |
| 46-SS-A | 9690 | -9095 | -61132 | -1247 | | | |
| 47-SS-A | 9700 | -13128 | -77636 | 703 | | | |
| 48-FP-A | 9710 | -41134 | -67623 | 6641 | -7037 | -6622 | -275 |
| 49-SS-A | 9720 | 17136 | -80668 | 5765 | | | |
| 50-SS-A | 9730 | 12107 | -60089 | 5235 | | | |
| 51-SS-A | 9770 | 2919 | -71443 | -20339 | | | |
| 52-SS-A | 9795 | -24255 | -66090 | 5978 | | | |
| 53-SS-A | 9800 | 5814 | -52940 | -1449 | | | |
| 54-SS-A | 9810 | 5667 | -79110 | -21456 | | | |
| 56-SS-A | 9840 | -2220 | -86013 | -7893 | | | |
| 57-GS-A | 9850 | 7258 | -69478 | 2105 | 314 | 2 | 67 |

| | | | | | | | |
|----------|-------|--------|---------|--------|--------|-------|--------|
| 58-SS-A | 9910 | 6989 | -86960 | 4133 | | | |
| 60-SS-A | 9930 | -2929 | -91580 | 7885 | | | |
| 61-FP-A | 9940 | -30608 | -72690 | 13393 | -1191 | 14511 | -2479 |
| 62-SS-A | 9950 | 6929 | -65552 | -1822 | | | |
| 63-GS-A | 9970 | 5997 | -54598 | 2428 | 2 | 0 | 0 |
| 64-SS-A | 9980 | 9762 | -66020 | -796 | | | |
| 65-SS-A | 10010 | 6649 | -90447 | -9103 | | | |
| 66-SS-A | 10040 | -538 | -63240 | -1954 | | | |
| 67-GS-A | 10050 | -4171 | -31846 | 12858 | 0 | 0 | 0 |
| 68-FP-A | 10055 | 41144 | -116540 | -33765 | -33043 | 6710 | -16338 |
| 70-SS-A | 10100 | -4264 | -56732 | -4615 | | | |
| 71-SS-A | 10105 | -1699 | -22918 | -2290 | | | |
| 72-SS-A | 10110 | -102 | -1678 | -940 | | | |
| 73-SS-A | 10115 | 26890 | -118171 | -2217 | | | |
| 74-SS-A | 10150 | 2607 | -81197 | 23561 | | | |
| 76-SS-A | 10170 | -1765 | -69680 | 2388 | | | |
| 77-GS-A | 10180 | 4261 | -74207 | 7948 | -9451 | 2108 | 2518 |
| 78-SS-A | 10190 | 10220 | -63043 | -3575 | | | |
| 79-SS-A | 10220 | 893 | -89424 | -8366 | | | |
| 80-SS-A | 10250 | -1436 | -60709 | -823 | | | |
| 81-GS-A | 10260 | -3708 | -72654 | 5104 | 13 | -3 | 0 |
| 82-SS-A | 10270 | -3123 | -78329 | 101 | | | |
| 83-FP-A | 10280 | 8044 | -74092 | -2375 | -5630 | -856 | 1099 |
| 84-GS-A | 10290 | 14843 | -86053 | 12342 | 4 | 0 | -1 |
| 87-SS-A | 10310 | 5021 | -66862 | 6575 | | | |
| 88-SS-A | 10320 | 5775 | -56229 | 5038 | | | |
| 89-SS-A | 10330 | 8521 | -56521 | 2431 | | | |
| 90-SS-A | 10360 | -8478 | -69802 | -16626 | | | |
| 91-SS-A | 10390 | -3688 | -65310 | 1803 | | | |
| 92-GS-A | 10400 | -9945 | -87860 | 12259 | 0 | 0 | 0 |
| 93-SS-A | 10410 | -5956 | -80338 | -997 | | | |
| 94-FP-A | 10420 | -2108 | -82274 | -2043 | -5758 | -37 | 336 |
| 95-GS-A | 10430 | 10193 | -81857 | -1079 | 0 | 0 | 0 |
| 96-SS-A | 10440 | 14073 | -81929 | 13629 | | | |
| 97-SS-A | 10450 | 8418 | -67501 | 1861 | | | |
| 98-SS-A | 10480 | 3281 | -89027 | -26677 | | | |
| 99-SS-A | 10510 | -5102 | -59865 | 1316 | | | |
| 100-GS-A | 10520 | -11504 | -74072 | 13356 | 8 | 1 | 0 |
| 101-SS-A | 10530 | -7509 | -71381 | -572 | | | |
| 102-FP-A | 10540 | -24235 | -56668 | -1221 | -5332 | -344 | -196 |
| 103-SS-A | 10560 | 6074 | -64475 | -369 | | | |
| 104-SS-A | 10580 | 6843 | -72662 | -523 | | | |
| 105-GS-A | 10590 | 27085 | -82579 | 11659 | 136 | -1 | -2 |
| 106-SS-A | 10600 | 5670 | -63299 | 692 | | | |
| 107-SS-A | 10630 | 4086 | -68691 | -19660 | | | |
| 109-SS-A | 10660 | -8997 | -66205 | -48 | | | |
| 110-GS-A | 10670 | -14067 | -78410 | 14397 | 0 | 0 | 0 |
| 111-FP-A | 10680 | 4130 | -85737 | -17138 | -3091 | 9307 | -3736 |
| 114-SS-A | 10700 | -6512 | -85558 | -8604 | | | |
| 115-SS-A | 10705 | 413 | -52021 | -1338 | | | |
| 116-GS-A | 10710 | 2255 | -57163 | 7358 | 1026 | 101 | 0 |
| 117-SS-A | 10740 | -7205 | -87665 | -26466 | | | |
| 118-GS-A | 10770 | -14952 | -64509 | 8445 | -786 | 103 | -2 |
| 119-SS-A | 10780 | -13747 | -72074 | 672 | | | |
| 120-FP-A | 10790 | -23634 | -75958 | 12269 | -937 | -7004 | 130 |
| 121-SS-A | 10800 | -2666 | -80778 | 6398 | | | |
| 123-SS-A | 10820 | 621 | -63228 | 4698 | | | |
| 124-GS-A | 10830 | 8310 | -69652 | 20087 | -3 | 0 | 0 |
| 125-SS-A | 10840 | 3508 | -66544 | -44 | | | |
| 126-SS-A | 10870 | 2527 | -67065 | -19062 | | | |
| 127-SS-A | 10900 | -9668 | -66015 | 889 | | | |
| 128-SS-A | 10910 | -10544 | -81429 | 4696 | | | |
| 129-FP-A | 10920 | -6531 | -89799 | -7044 | 3635 | 11340 | -2632 |
| 131-SS-A | 10940 | -11225 | -86969 | -9343 | | | |
| 132-SS-A | 10950 | -4007 | -69093 | 3025 | | | |
| 133-SS-A | 10980 | 9851 | -85420 | -23509 | | | |
| 134-SS-A | 11010 | -9029 | -62587 | 4082 | | | |
| 136-FP-A | 11030 | -18340 | -74582 | 28564 | -1050 | 9722 | -10121 |
| 137-SS-A | 11070 | -6532 | -84167 | -3148 | | | |
| 138-SS-A | 11075 | 1219 | -13571 | -778 | | | |
| 139-SS-A | 11080 | 1376 | -16615 | -1089 | | | |
| 140-SS-A | 11085 | 6176 | -79315 | -5056 | | | |
| 142-SS-A | 11130 | -11082 | -83874 | -7909 | | | |
| 143-SS-A | 11140 | -7077 | -40476 | -403 | | | |
| 145-FP-A | 11160 | 7781 | -59910 | 16803 | 3723 | 1390 | 1792 |
| 1CH-SS-B | 12520 | 1858 | -41270 | -3532 | | | |
| 2CH-SS-B | 12530 | 2706 | -34166 | -2259 | | | |

| | | | | | | | |
|----------|-------|--------|---------|--------|--------|--------|--------|
| 58-SS-A | 9910 | 6989 | -86970 | 6135 | | | |
| 60-SS-A | 9930 | -2932 | -91180 | 7302 | | | |
| 61-FP-A | 9940 | -28396 | -72732 | 16279 | -1453 | 18413 | -2541 |
| 62-SS-A | 9950 | 6928 | -65745 | -2580 | | | |
| 63-GS-A | 9970 | 6794 | -54358 | 2933 | 2 | 0 | 0 |
| 64-SS-A | 9980 | 9751 | -66026 | -1194 | | | |
| 65-SS-A | 10010 | 6649 | -90479 | -9312 | | | |
| 66-SS-A | 10040 | -543 | -63271 | -2273 | | | |
| 67-GS-A | 10050 | -3695 | -29161 | 16333 | 0 | 0 | 0 |
| 68-FP-A | 10055 | 47655 | -118522 | -38199 | -37742 | 11467 | -17995 |
| 70-SS-A | 10100 | -4264 | -56732 | -3307 | | | |
| 71-SS-A | 10105 | -1709 | -22415 | -1012 | | | |
| 72-SS-A | 10110 | -107 | -1369 | 357 | | | |
| 73-SS-A | 10115 | 26890 | -118171 | -1535 | | | |
| 74-SS-A | 10150 | 2486 | -80937 | 24271 | | | |
| 76-SS-A | 10170 | -1765 | -69754 | 2388 | | | |
| 77-GS-A | 10180 | 9411 | -74417 | 8912 | -11477 | 2227 | 2156 |
| 78-SS-A | 10190 | 10218 | -63086 | -3576 | | | |
| 79-SS-A | 10220 | 899 | -89504 | -8359 | | | |
| 80-SS-A | 10250 | -1438 | -60722 | -824 | | | |
| 81-GS-A | 10260 | -3911 | -72525 | 5140 | 14 | -3 | 0 |
| 82-SS-A | 10270 | -3118 | -78442 | 107 | | | |
| 83-FP-A | 10280 | 9183 | -73998 | -2249 | -5827 | -1306 | 1163 |
| 84-GS-A | 10290 | 14842 | -86069 | 12340 | 4 | 0 | -1 |
| 87-SS-A | 10310 | 5021 | -66850 | 6475 | | | |
| 88-SS-A | 10320 | 5775 | -56237 | 4865 | | | |
| 89-SS-A | 10330 | 8521 | -56530 | 2345 | | | |
| 90-SS-A | 10360 | -8478 | -69805 | -16648 | | | |
| 91-SS-A | 10390 | -3690 | -65287 | 1705 | | | |
| 92-GS-A | 10400 | -10172 | -87807 | 12864 | 0 | 0 | 0 |
| 93-SS-A | 10410 | -5955 | -80381 | -1151 | | | |
| 94-FP-A | 10420 | -1826 | -82263 | -2118 | -5733 | -421 | 333 |
| 95-GS-A | 10430 | 10194 | -81860 | -1210 | 0 | 0 | 0 |
| 96-SS-A | 10440 | 13974 | -81926 | 13845 | | | |
| 97-SS-A | 10450 | 8417 | -67502 | 1806 | | | |
| 98-SS-A | 10480 | 3282 | -89029 | -26699 | | | |
| 99-SS-A | 10510 | -5102 | -59856 | 1275 | | | |
| 100-GS-A | 10520 | -11479 | -74073 | 13357 | 8 | 1 | 0 |
| 101-SS-A | 10530 | -7509 | -71376 | -655 | | | |
| 102-FP-A | 10540 | -23987 | -56676 | -956 | -5348 | -97 | -202 |
| 103-SS-A | 10560 | 6074 | -64474 | -449 | | | |
| 104-SS-A | 10580 | 6843 | -72661 | -617 | | | |
| 105-GS-A | 10590 | 26968 | -82579 | 11818 | 136 | -1 | -2 |
| 106-SS-A | 10600 | 5670 | -63299 | 639 | | | |
| 107-SS-A | 10630 | 4085 | -68697 | -19670 | | | |
| 109-SS-A | 10660 | -8997 | -66204 | -111 | | | |
| 110-GS-A | 10670 | -14067 | -78404 | 14269 | 0 | 0 | 0 |
| 111-FP-A | 10680 | 4663 | -85751 | -16743 | -3195 | 9581 | -3750 |
| 114-SS-A | 10700 | -6513 | -85549 | -8591 | | | |
| 115-SS-A | 10705 | 412 | -52015 | -1316 | | | |
| 116-GS-A | 10710 | 2228 | -57208 | 7255 | 1023 | 103 | 0 |
| 117-SS-A | 10740 | -7206 | -87667 | -26454 | | | |
| 118-GS-A | 10770 | -14892 | -64569 | 8556 | -786 | 104 | -1 |
| 119-SS-A | 10780 | -13750 | -72043 | 719 | | | |
| 120-FP-A | 10790 | -23246 | -75986 | 12038 | -1130 | -6694 | 155 |
| 121-SS-A | 10800 | -2671 | -80785 | 6449 | | | |
| 123-SS-A | 10820 | 618 | -63221 | 4389 | | | |
| 124-GS-A | 10830 | 7817 | -69756 | 21193 | -4 | 0 | 0 |
| 125-SS-A | 10840 | 3509 | -66512 | -310 | | | |
| 126-SS-A | 10870 | 2527 | -67055 | -19123 | | | |
| 127-SS-A | 10900 | -9668 | -65976 | 596 | | | |
| 128-SS-A | 10910 | -10554 | -81534 | 4109 | | | |
| 129-FP-A | 10920 | -1559 | -89932 | -5289 | 4322 | 13721 | -2877 |
| 131-SS-A | 10940 | -11225 | -86908 | -8575 | | | |
| 132-SS-A | 10950 | -4005 | -68987 | 3814 | | | |
| 133-SS-A | 10980 | 9042 | -85338 | -23407 | | | |
| 134-SS-A | 11010 | -9753 | -62521 | 4444 | | | |
| 136-FP-A | 11030 | -12705 | -75411 | 24041 | -977 | -13294 | -11048 |
| 137-SS-A | 11070 | -6656 | -84445 | -5074 | | | |
| 138-SS-A | 11075 | 1220 | -13571 | -619 | | | |
| 139-SS-A | 11080 | 1376 | -16615 | -931 | | | |
| 140-SS-A | 11085 | 6176 | -79315 | -4976 | | | |
| 142-SS-A | 11130 | -12995 | -83443 | -3540 | | | |
| 143-SS-A | 11140 | -7077 | -40456 | 456 | | | |
| 145-FP-A | 11160 | 11549 | -60490 | 22007 | 8796 | 873 | -3777 |
| 1CH-SS-B | 12520 | 1859 | -41388 | -3531 | | | |
| 2CH-SS-B | 12530 | 2705 | -34166 | -2260 | | | |

| | | | | | | | |
|----------|-------|------|--------|-------|--|--|--|
| 3CH-SS-B | 12550 | 4023 | -48108 | -2638 | | | |
| 1CH-SS-A | 12750 | -787 | -50759 | -4958 | | | |
| 2CH-SS-A | 12760 | 1339 | -19166 | -1451 | | | |
| 3CH-SS-A | 12780 | 2932 | -57710 | -94 | | | |

| | | | | | | | |
|----------|-------|------|--------|-------|--|--|--|
| 3CH-SS-B | 12550 | 4023 | -48108 | -2638 | | | |
| 1CH-SS-A | 12750 | -787 | -50759 | -4958 | | | |
| 2CH-SS-A | 12760 | 1339 | -19166 | -1451 | | | |
| 3CH-SS-A | 12780 | 2932 | -57710 | -94 | | | |

| Provozní zatížení (W+P1+T1) + vítr 4 | | | | | | | |
|--------------------------------------|------|-----------|-----------|-----------|------------|------------|------------|
| Č. uložení | Node | fx (N) | fy (N) | fz (N) | mx (Nm) | my (Nm) | mz (Nm) |
| 1/1-SS-C | 20 | -8153 | -125417 | 11017 | | | |
| 3-GS-C | 50 | 9942 | -127572 | -3607 | 144 | -10 | 0 |
| 4-SS-C | 80 | -13339 | -85873 | -22033 | | | |
| 5-GS-C | 110 | -13791 | -114564 | 592 | -1135 | 141 | 0 |
| 6-GS-C | 130 | -20535 | -115772 | 24761 | 0 | 0 | 0 |
| 7-SS-C | 140 | -13212 | -145208 | 7770 | | | |
| 9-SS-C | 160 | -9785 | -146163 | 5865 | | | |
| 10-SS-C | 170 | -5403 | -104395 | 1567 | | | |
| 11-GS-C | 180 | -7666 | -151354 | -3133 | 0 | 0 | 0 |
| 13-FP-C | 230 | 67365 | -177667 | 10904 | 12471 | -5085 | 711 |
| 16-SS-C | 290 | 11966 | -143817 | 13387 | | | |
| 17-SS-C | 300 | 12371 | -121422 | 10159 | | | |
| 19-SS-C | 330 | -7576 | -137814 | 12742 | | | |
| 20-GS-C | 340 | -2286 | -111602 | 8775 | 83 | -9 | -14 |
| 21-SS-C | 350 | 3135 | -124656 | 4524 | | | |
| 23-SS-C | 390 | -5412 | -90842 | -15472 | | | |
| 24-SS-C | 420 | -18564 | -130135 | 6428 | | | |
| 25-GS-C | 440 | -22934 | -119826 | 5741 | 0 | 0 | 0 |
| 26-SS-C | 450 | -19651 | -111118 | 7607 | | | |
| 27-SS-C | 460 | -18202 | -150486 | 14793 | | | |
| 29-SS-C | 480 | -22499 | -141095 | 11718 | | | |
| 30-FP-C | 490 | -21557 | -129101 | -1293 | -1728 | 5632 | -4139 |
| 31-SS-C | 500 | -57339 | -179001 | -3168 | | | |
| 32-SS-C | 507 | 0 | -75 | 452 | | | |
| 33-SS-C | 510 | 21092 | -74268 | 8429 | | | |
| 34-SS-C | 520 | 24278 | -87820 | -9195 | | | |
| 35-SS-C | 522 | 15813 | -73986 | -14947 | | | |
| 37-SS-C | 550 | -41154 | -138882 | -11830 | | | |
| 38-SS-C | 560 | -11975 | -112587 | -1474 | | | |
| 39-FP-C | 570 | 25781 | -128972 | 2650 | -5207 | -611 | -1027 |
| 40-SS-C | 580 | 5558 | -71138 | 3642 | | | |
| 41-SS-C | 590 | 10896 | -150224 | 9698 | | | |
| 43-GS-C | 615 | -19384 | -140743 | 27194 | 1271 | -190 | 0 |
| 44-SS-C | 620 | 9324 | -106860 | 2984 | | | |
| 45-SS-C | 660 | -6529 | -90942 | -27300 | | | |
| 46-SS-C | 690 | -14990 | -112183 | 5460 | | | |
| 47-SS-C | 700 | -18958 | -116103 | 5677 | | | |
| 48-GS-C | 710 | -37889 | -102930 | 2252 | -2073 | 145 | -147 |
| 49-SS-C | 720 | -53599 | -142132 | -599 | | | |
| 51-FP-C | 730 | 34156 | -180217 | 2066 | -2000 | 444 | -817 |
| 53-SS-C | 740 | 24659 | -120012 | -10994 | | | |
| 54-SS-C | 750 | 11215 | -89590 | -18587 | | | |
| 56-SS-C | 840 | -3444 | -127052 | -12186 | | | |
| 57-GS-C | 850 | 11125 | -106891 | -2951 | 468 | 4 | 122 |
| 58-SS-C | 910 | 11962 | -148294 | 9728 | | | |
| 60-SS-C | 930 | -6786 | -163092 | 15643 | | | |
| 61-FP-C | 940 | -41265 | -103372 | -696 | 1667 | 2294 | -2794 |
| 62-SS-C | 950 | 11550 | -108765 | -113 | | | |
| 63-GS-C | 970 | 10210 | -73232 | 5969 | -1 | 0 | 0 |
| 64-SS-C | 980 | 14783 | -125724 | 7612 | | | |
| 65-SS-C | 1015 | 14229 | -105105 | -26001 | | | |
| 66-SS-C | 1040 | -1675 | -122252 | 7756 | | | |
| 67-GS-C | 1050 | -2398 | -61884 | 6349 | 0 | 0 | 0 |
| 68-FP-C | 1055 | 46498 | -140485 | -24134 | -13710 | 429 | -4815 |
| 70-SS-C | 1100 | -4824 | -67397 | -5136 | | | |
| 71-SS-C | 1102 | -3227 | -47120 | -3960 | | | |
| 72-SS-C | 1105 | 4957 | -17664 | -2400 | | | |
| 73-SS-C | 1110 | 16308 | -164584 | -2472 | | | |
| 74-SS-C | 1130 | -5091 | -145965 | 41325 | | | |
| 76-SS-C | 1170 | -3553 | -118970 | 5237 | | | |
| 77-GS-C | 1180 | 19566 | -103120 | 6664 | -844 | -480 | 2436 |
| 78-SS-C | 1190 | 17626 | -121614 | 6850 | | | |
| 79-SS-C | 1220 | -3979 | -105815 | -28525 | | | |
| 80-SS-C | 1250 | -3269 | -120045 | 6649 | | | |
| 81-GS-C | 1260 | -6987 | -102987 | 9553 | -42 | 4 | 0 |
| 82-SS-C | 1270 | -4238 | -125681 | -3915 | | | |
| 83-SS-C | 1280 | -3504 | -114389 | 5277 | | | |
| 84-SS-C | 1290 | 11467 | -141005 | 14167 | | | |

| | | | | | | | |
|----------|------|--------|---------|--------|-------|-------|-------|
| 87-SS-C | 1310 | 2751 | -108278 | 10517 | | | |
| 88-SS-C | 1320 | 3254 | -103086 | 10181 | | | |
| 90-FP-C | 1360 | -51846 | -172918 | 6106 | -1485 | 7461 | -4405 |
| 92-GS-C | 1400 | 19595 | -160957 | -3977 | 0 | 0 | 0 |
| 93-SS-C | 1410 | 14862 | -118664 | -187 | | | |
| 94-GS-C | 1420 | 16451 | -130690 | -708 | 0 | 0 | 0 |
| 95-SS-C | 1430 | 16319 | -130395 | -515 | | | |
| 96-GS-C | 1440 | 19576 | -119268 | 15528 | -4 | 0 | 0 |
| 97-SS-C | 1450 | 15251 | -126579 | 2921 | | | |
| 98-SS-C | 1480 | 11606 | -104707 | -30289 | | | |
| 99-SS-C | 1510 | -10834 | -117928 | 1831 | | | |
| 100-GS-C | 1520 | -13958 | -105373 | 11755 | 5 | 1 | 0 |
| 101-SS-C | 1530 | -12071 | -114507 | 536 | | | |
| 102-FP-C | 1540 | -75956 | -88370 | -1399 | -1041 | 127 | -110 |
| 103-SS-C | 1560 | 9715 | -103032 | -156 | | | |
| 104-SS-C | 1570 | 10197 | -108018 | 144 | | | |
| 105-GS-C | 1580 | 13959 | -147619 | 1155 | 7 | 3 | 0 |
| 108-SS-C | 1590 | 15234 | -178566 | 3525 | | | |
| 110-GS-C | 1630 | 11505 | -144111 | -7617 | 861 | -29 | 0 |
| 111-SS-C | 1670 | 5420 | -123948 | -7608 | | | |
| 114-SS-C | 1700 | -9717 | -127198 | -12273 | | | |
| 115-SS-C | 1705 | -1217 | -73241 | -4820 | | | |
| 116-GS-C | 1710 | 955 | -115353 | -119 | 554 | 50 | 0 |
| 117-SS-C | 1740 | -13779 | -101342 | -30194 | | | |
| 118-GS-C | 1770 | -28969 | -125781 | 14877 | -271 | 55 | -10 |
| 119-SS-C | 1780 | -19093 | -102399 | 3731 | | | |
| 120-SS-C | 1790 | -18458 | -117226 | 9351 | | | |
| 121-SS-C | 1800 | -13130 | -135908 | 13601 | | | |
| 123-SS-C | 1820 | -11024 | -99621 | 8780 | | | |
| 124-GS-C | 1830 | -20579 | -126940 | 12997 | -2107 | 110 | 55 |
| 126-FP-C | 1870 | 7786 | -180534 | -6065 | 8205 | -1680 | 458 |
| 128-SS-C | 1910 | 6690 | -147789 | 4620 | | | |
| 129-GS-C | 1920 | 10433 | -129889 | -18486 | 370 | 13 | 0 |
| 131-SS-C | 1940 | -13246 | -120078 | -10633 | | | |
| 132-SS-C | 1950 | -4832 | -133589 | 3175 | | | |
| 133-SS-C | 1980 | 16588 | -98953 | -22917 | | | |
| 134-SS-C | 2010 | -16748 | -125827 | 9342 | | | |
| 136-FP-C | 2030 | -4963 | -125389 | 16623 | -4098 | 8725 | -5621 |
| 137-SS-C | 2070 | -11666 | -118966 | -139 | | | |
| 138-SS-C | 2075 | 1957 | -32550 | -1526 | | | |
| 139-SS-C | 2080 | 3410 | -35216 | 785 | | | |
| 140-SS-C | 2085 | 10224 | -110384 | -3376 | | | |
| 142-SS-C | 2130 | -15196 | -105594 | -7364 | | | |
| 143-SS-C | 2140 | -8981 | -82247 | 8078 | | | |
| 145-FP-C | 2160 | 11760 | -74576 | 9132 | 1612 | 585 | -4025 |
| 1-FP-B | 3000 | 63039 | 30264 | 8409 | 1783 | -2535 | 4505 |
| 1/1-SS-B | 3018 | 7487 | -91253 | -1156 | | | |
| 2-GS-B | 3030 | 5922 | -60870 | 4335 | -1 | 0 | 0 |
| 3-GS-B | 3050 | 5098 | -62266 | 450 | 219 | 12 | 0 |
| 4-SS-B | 3080 | -5320 | -66064 | -19051 | | | |
| 5-GS-B | 3105 | -8311 | -68323 | 831 | -892 | 35 | 0 |
| 6-GS-B | 3130 | -13116 | -76247 | 14953 | 0 | 0 | 0 |
| 7-SS-B | 3140 | -7846 | -91014 | 5463 | | | |
| 9-FP-B | 3160 | 62 | -91223 | 6298 | -1761 | 6388 | 4959 |
| 10-SS-B | 3170 | 10306 | -71919 | -2077 | | | |
| 11-GS-B | 3180 | 15110 | -80921 | 11567 | 0 | 0 | 0 |
| 12-SS-B | 3190 | 9407 | -68662 | 2284 | | | |
| 13-SS-B | 3230 | 17485 | -66235 | -14774 | | | |
| 14-SS-B | 3260 | -2864 | -65327 | 3420 | | | |
| 16-SS-B | 3290 | -1708 | -75053 | 5366 | | | |
| 17-SS-B | 3300 | -965 | -80613 | 6541 | | | |
| 19-FP-B | 3330 | -12049 | -82310 | 14757 | 5259 | 6687 | 2282 |
| 20-GS-B | 3340 | 475 | -76108 | 4094 | 60 | -6 | -3 |
| 21-SS-B | 3350 | 2808 | -71538 | 2301 | | | |
| 23-SS-B | 3390 | -8880 | -71018 | -14675 | | | |
| 24-SS-B | 3420 | -14435 | -78887 | 3779 | | | |
| 25-GS-B | 3440 | -17507 | -78553 | 11697 | 0 | 0 | 0 |
| 26-SS-B | 3450 | -11450 | -71286 | 5900 | | | |
| 27-SS-B | 3460 | -10444 | -92908 | 9281 | | | |
| 29-SS-B | 3480 | -12788 | -87112 | 8011 | | | |
| 30-FP-B | 3490 | -8828 | -85504 | 2353 | -482 | 14263 | -6600 |
| 31-SS-B | 3500 | -36976 | -114874 | -2327 | | | |
| 32-SS-B | 3510 | 0 | -46 | 547 | | | |
| 33-SS-B | 3520 | 13068 | -44150 | 3028 | | | |
| 34-SS-B | 3522 | 13461 | -47539 | -3838 | | | |
| 35-SS-B | 3524 | 16009 | -68546 | -12260 | | | |
| 37-SS-B | 3550 | -27602 | -97530 | -11698 | | | |

| | | | | | | | |
|----------|------|--------|---------|--------|--------|-------|--------|
| 38-SS-B | 3560 | -7010 | -66989 | -1578 | | | |
| 39-FP-B | 3570 | 11507 | -82832 | 4339 | -10654 | -3157 | -1304 |
| 40-SS-B | 3580 | 3401 | -50249 | 3252 | | | |
| 41-SS-B | 3590 | 5725 | -86499 | 6146 | | | |
| 43-GS-B | 3615 | -11449 | -84938 | 28582 | 1244 | -48 | 0 |
| 44-SS-B | 3620 | 5696 | -64804 | 1191 | | | |
| 45-SS-B | 3660 | -1304 | -70367 | -20752 | | | |
| 46-SS-B | 3690 | -9150 | -67341 | 3434 | | | |
| 47-SS-B | 3700 | -11741 | -74723 | 4776 | | | |
| 48-FP-B | 3705 | -40144 | -69586 | -2819 | -4054 | 9561 | -60 |
| 49-SS-B | 3720 | 16705 | -75471 | 5869 | | | |
| 50-SS-B | 3730 | 16092 | -72526 | 5653 | | | |
| 51-SS-B | 3760 | 904 | -55142 | -15320 | | | |
| 52-SS-B | 3790 | -27699 | -77841 | 8632 | | | |
| 53-SS-B | 3800 | 8422 | -51771 | -8181 | | | |
| 54-SS-B | 3810 | 2561 | -72764 | -19599 | | | |
| 56-SS-B | 3840 | -4349 | -83028 | -6905 | | | |
| 57-GS-B | 3850 | 49 | -69245 | -7387 | 0 | 0 | 0 |
| 58-SS-B | 3860 | 22750 | -90122 | 15256 | | | |
| 60-SS-B | 3930 | -3937 | -97367 | 9686 | | | |
| 61-FP-B | 3940 | -36133 | -69411 | -172 | 675 | 3283 | -3261 |
| 62-SS-B | 3950 | 6974 | -67686 | -833 | | | |
| 63-GS-B | 3970 | 7861 | -49828 | 10498 | -2 | 0 | 0 |
| 64-SS-B | 3980 | 9611 | -73721 | 3507 | | | |
| 65-SS-B | 4010 | 9789 | -81018 | -23762 | | | |
| 66-SS-B | 4040 | -1314 | -70911 | 2918 | | | |
| 67-GS-B | 4050 | -8285 | -30695 | 17234 | 0 | 0 | 0 |
| 68-FP-B | 4055 | 48923 | -116217 | -45037 | -35823 | 9655 | -14489 |
| 70-SS-B | 4100 | -3022 | -39361 | -2933 | | | |
| 71-SS-B | 4105 | -2412 | -31199 | -2425 | | | |
| 72-SS-B | 4110 | -87 | -1101 | -514 | | | |
| 73-SS-B | 4115 | 29089 | -115056 | -2818 | | | |
| 74-SS-B | 4150 | 2083 | -88824 | 26142 | | | |
| 76-SS-B | 4170 | -2002 | -72260 | 3505 | | | |
| 77-GS-B | 4180 | 4480 | -70172 | 7777 | -5665 | -330 | 3385 |
| 78-SS-B | 4190 | 11732 | -70748 | 1426 | | | |
| 79-SS-B | 4220 | -5641 | -79617 | -21239 | | | |
| 80-SS-B | 4250 | -2100 | -69251 | 2427 | | | |
| 81-GS-B | 4260 | -6439 | -68892 | 12453 | -55 | 0 | 0 |
| 82-SS-B | 4270 | -3088 | -79226 | -748 | | | |
| 83-FP-B | 4280 | 16701 | -73408 | -6326 | -4211 | -815 | 1178 |
| 84-GS-B | 4290 | 15409 | -87539 | 14413 | -94 | 5 | 0 |
| 87-SS-B | 4310 | 4865 | -70944 | 7135 | | | |
| 88-SS-B | 4320 | 5152 | -51063 | 4925 | | | |
| 89-SS-B | 4330 | 9688 | -65096 | 3051 | | | |
| 90-SS-B | 4360 | -6201 | -59604 | -14798 | | | |
| 91-SS-B | 4390 | -4219 | -72466 | 1770 | | | |
| 92-GS-B | 4400 | -8743 | -85175 | 9194 | 0 | 0 | 0 |
| 93-SS-B | 4410 | -6039 | -81089 | -415 | | | |
| 94-FP-B | 4420 | -1867 | -81894 | -1887 | -3953 | 569 | 343 |
| 95-GS-B | 4430 | 10319 | -82683 | -645 | 0 | 0 | 0 |
| 96-SS-B | 4440 | 13228 | -78589 | 11669 | | | |
| 97-SS-B | 4450 | 9142 | -74832 | 1933 | | | |
| 98-SS-B | 4480 | 3251 | -79118 | -23679 | | | |
| 99-SS-B | 4510 | -6076 | -68253 | 1405 | | | |
| 100-GS-B | 4520 | -10618 | -70328 | 11606 | 7 | 0 | 0 |
| 101-SS-B | 4530 | -7605 | -72202 | -270 | | | |
| 102-FP-B | 4540 | -8018 | -56480 | -1721 | -3744 | -454 | -262 |
| 103-SS-B | 4560 | 6063 | -64306 | -98 | | | |
| 104-SS-B | 4580 | 6924 | -73407 | -136 | | | |
| 105-GS-B | 4590 | 10357 | -79766 | 9714 | 127 | 0 | -1 |
| 106-SS-B | 4600 | 6479 | -70701 | 551 | | | |
| 107-SS-B | 4630 | 2452 | -58465 | -16823 | | | |
| 109-SS-B | 4660 | -9627 | -73381 | -197 | | | |
| 110-GS-B | 4670 | -13399 | -76009 | 13400 | 0 | 0 | 0 |
| 111-FP-B | 4680 | 6313 | -84496 | -17529 | -1050 | 8902 | -2752 |
| 114-SS-B | 4700 | -6666 | -82866 | -8119 | | | |
| 115-SS-B | 4705 | 332 | -48973 | -1139 | | | |
| 116-GS-B | 4710 | 1872 | -65820 | 5565 | 517 | 47 | 0 |
| 117-SS-B | 4740 | -6957 | -77896 | -23403 | | | |
| 118-GS-B | 4770 | -16241 | -72537 | 8062 | -364 | 46 | -1 |
| 119-SS-B | 4780 | -13079 | -68355 | 1045 | | | |
| 120-FP-B | 4790 | -22515 | -75942 | 9570 | 1629 | -7561 | 612 |
| 121-SS-B | 4800 | -2456 | -82639 | 7283 | | | |
| 123-SS-B | 4820 | 539 | -66690 | 5890 | | | |
| 124-GS-B | 4830 | 8884 | -65346 | 14969 | -2 | 1 | 0 |
| 125-SS-B | 4840 | 3835 | -74072 | 326 | | | |

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|----------|-------|--------|---------|--------|--------|-------|--------|
| 126-SS-B | 4870 | 1357 | -56872 | -16278 | | | |
| 127-SS-B | 4900 | -10884 | -73352 | 1310 | | | |
| 128-SS-B | 4910 | -10467 | -79236 | 5979 | | | |
| 129-FP-B | 4920 | -462 | -87589 | -11489 | 2159 | 9351 | -1696 |
| 131-SS-B | 4940 | -10841 | -81077 | -7649 | | | |
| 132-SS-B | 4950 | -3818 | -77051 | 4198 | | | |
| 133-SS-B | 4980 | 9230 | -76126 | -20098 | | | |
| 134-SS-B | 5010 | -9555 | -71875 | 5809 | | | |
| 136-FP-B | 5030 | -10072 | -78908 | 16487 | -6196 | 15097 | -11748 |
| 137-SS-B | 5070 | -7683 | -80941 | -1276 | | | |
| 138-SS-B | 5075 | 3994 | -15978 | -856 | | | |
| 139-SS-B | 5080 | 1527 | -18164 | 427 | | | |
| 140-SS-B | 5085 | 5983 | -75572 | -3892 | | | |
| 142-SS-B | 5130 | -10305 | -79446 | -6359 | | | |
| 143-SS-B | 5140 | -8020 | -46049 | 967 | | | |
| 145-FP-B | 5160 | 6470 | -58708 | 9444 | 3542 | -1437 | -4406 |
| 1-FP-A | 9000 | 88311 | 46895 | 14093 | 8136 | -4094 | 6976 |
| 1/1-SS-A | 9018 | 8933 | -107872 | 0 | | | |
| 2-GS-A | 9030 | 9047 | -80662 | 5379 | -1 | 0 | 0 |
| 3-GS-A | 9050 | 4706 | -54069 | 834 | 233 | -7 | 0 |
| 4-SS-A | 9080 | -6258 | -75121 | -21608 | | | |
| 5-GS-A | 9105 | -7896 | -62255 | 1881 | -968 | 39 | 0 |
| 6-GS-A | 9130 | -13696 | -79524 | 15662 | 0 | 0 | 0 |
| 7-SS-A | 9140 | -8574 | -87232 | 5105 | | | |
| 9-FP-A | 9160 | 11161 | -89174 | 7557 | -2639 | 5268 | 4075 |
| 10-SS-A | 9170 | 10602 | -72057 | -667 | | | |
| 11-GS-A | 9180 | 13452 | -83104 | 5004 | 0 | 0 | 0 |
| 12-SS-A | 9190 | 9336 | -63289 | -414 | | | |
| 13-SS-A | 9230 | 7593 | -74514 | -6238 | | | |
| 14-SS-A | 9260 | -2725 | -57581 | 1680 | | | |
| 16-SS-A | 9290 | -1933 | -76277 | 5190 | | | |
| 17-SS-A | 9300 | -1056 | -79037 | 6331 | | | |
| 19-FP-A | 9330 | -12049 | -82310 | 14757 | 5259 | 6687 | 2282 |
| 20-GS-A | 9340 | 475 | -76108 | 4094 | 60 | -6 | -3 |
| 21-SS-A | 9350 | 2808 | -71538 | 2301 | | | |
| 23-SS-A | 9390 | -8880 | -71018 | -14675 | | | |
| 24-SS-A | 9420 | -14435 | -78887 | 3779 | | | |
| 25-GS-A | 9440 | -17507 | -78553 | 11697 | 0 | 0 | 0 |
| 26-SS-A | 9450 | -11450 | -71286 | 5900 | | | |
| 27-SS-A | 9460 | -10444 | -92908 | 9281 | | | |
| 29-SS-A | 9480 | -12788 | -87112 | 8011 | | | |
| 30-FP-A | 9490 | -8828 | -85504 | 2353 | -482 | 14263 | -6600 |
| 31-SS-A | 9500 | -36976 | -114874 | -2327 | | | |
| 32-SS-A | 9510 | 0 | -46 | 547 | | | |
| 33-SS-A | 9515 | 13399 | -45541 | 3538 | | | |
| 34-SS-A | 9520 | 10578 | -36362 | -1795 | | | |
| 35-SS-A | 9522 | 21983 | -91585 | -15763 | | | |
| 37-SS-A | 9550 | -30497 | -103911 | -9351 | | | |
| 38-SS-A | 9560 | -6655 | -63167 | -1276 | | | |
| 39-FP-A | 9570 | 16965 | -83122 | 4085 | -13208 | -2973 | -839 |
| 40-SS-A | 9580 | 3658 | -54816 | 3523 | | | |
| 41-SS-A | 9590 | 4959 | -76870 | 5314 | | | |
| 43-GS-A | 9615 | -3816 | -82512 | 24534 | 911 | -29 | 0 |
| 44-SS-A | 9620 | 3332 | -59921 | -3864 | | | |
| 45-SS-A | 9660 | -4552 | -78021 | -7642 | | | |
| 46-SS-A | 9690 | -9096 | -61242 | -321 | | | |
| 47-SS-A | 9700 | -13128 | -77726 | 2637 | | | |
| 48-FP-A | 9710 | -40560 | -67272 | -2868 | -6490 | 8178 | 283 |
| 49-SS-A | 9720 | 17141 | -80712 | 8097 | | | |
| 50-SS-A | 9730 | 12120 | -60064 | 6497 | | | |
| 51-SS-A | 9770 | 2919 | -71456 | -19967 | | | |
| 52-SS-A | 9795 | -24254 | -66083 | 7512 | | | |
| 53-SS-A | 9800 | 5814 | -53054 | 1011 | | | |
| 54-SS-A | 9810 | 5668 | -79170 | -20066 | | | |
| 56-SS-A | 9840 | -2220 | -85987 | -8359 | | | |
| 57-GS-A | 9850 | 7157 | -69458 | 1264 | 305 | 2 | 68 |
| 58-SS-A | 9910 | 6985 | -86986 | 5686 | | | |
| 60-SS-A | 9930 | -2931 | -91224 | 9471 | | | |
| 61-FP-A | 9940 | -29501 | -72862 | 3840 | -1979 | 3782 | -2435 |
| 62-SS-A | 9950 | 6941 | -65488 | 343 | | | |
| 63-GS-A | 9970 | 5667 | -54657 | 1539 | 2 | 0 | 0 |
| 64-SS-A | 9980 | 9751 | -65744 | 372 | | | |
| 65-SS-A | 10010 | 6659 | -90631 | -8519 | | | |
| 66-SS-A | 10040 | -540 | -63315 | -957 | | | |
| 67-GS-A | 10050 | -5328 | -30769 | 10894 | 0 | 0 | 0 |
| 68-FP-A | 10055 | 41670 | -117687 | -37542 | -37591 | 6692 | -16981 |
| 70-SS-A | 10100 | -4264 | -56732 | -4175 | | | |

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|----------|-------|--------|---------|--------|--------|-------|--------|
| 71-SS-A | 10105 | -1709 | -22415 | -1892 | | | |
| 72-SS-A | 10110 | -107 | -1369 | -524 | | | |
| 73-SS-A | 10115 | 26890 | -118171 | -1988 | | | |
| 74-SS-A | 10150 | 2599 | -81284 | 23862 | | | |
| 76-SS-A | 10170 | -1765 | -69680 | 3538 | | | |
| 77-GS-A | 10180 | 7005 | -74619 | 5767 | -10083 | 3280 | 2681 |
| 78-SS-A | 10190 | 10210 | -62863 | -3062 | | | |
| 79-SS-A | 10220 | 893 | -89424 | -8086 | | | |
| 80-SS-A | 10250 | -1433 | -60760 | -365 | | | |
| 81-GS-A | 10260 | -4256 | -72645 | 4652 | 13 | -3 | 0 |
| 82-SS-A | 10270 | -3123 | -78329 | 930 | | | |
| 83-FP-A | 10280 | 6729 | -74096 | -4252 | -5778 | 95 | 1098 |
| 84-GS-A | 10290 | 14842 | -86037 | 12971 | 4 | 0 | -1 |
| 87-SS-A | 10310 | 5024 | -66882 | 6744 | | | |
| 88-SS-A | 10320 | 5775 | -56229 | 5344 | | | |
| 89-SS-A | 10330 | 8523 | -56545 | 2581 | | | |
| 90-SS-A | 10360 | -8477 | -69811 | -16589 | | | |
| 91-SS-A | 10390 | -3689 | -65253 | 1971 | | | |
| 92-GS-A | 10400 | -9569 | -87860 | 11315 | 0 | 0 | 0 |
| 93-SS-A | 10410 | -5956 | -80349 | -714 | | | |
| 94-FP-A | 10420 | -1104 | -82270 | -2268 | -5742 | 491 | 335 |
| 95-GS-A | 10430 | 10193 | -81860 | -846 | 0 | 0 | 0 |
| 96-SS-A | 10440 | 14171 | -81926 | 13503 | | | |
| 97-SS-A | 10450 | 8417 | -67495 | 1961 | | | |
| 98-SS-A | 10480 | 3281 | -89023 | -26636 | | | |
| 99-SS-A | 10510 | -5102 | -59879 | 1389 | | | |
| 100-GS-A | 10520 | -11527 | -74061 | 13420 | 8 | 1 | 0 |
| 101-SS-A | 10530 | -7509 | -71382 | -424 | | | |
| 102-FP-A | 10540 | -24220 | -56673 | -1941 | -5296 | -507 | -201 |
| 103-SS-A | 10560 | 6074 | -64474 | -224 | | | |
| 104-SS-A | 10580 | 6843 | -72669 | -356 | | | |
| 105-GS-A | 10590 | 27162 | -82564 | 11579 | 136 | -1 | -2 |
| 106-SS-A | 10600 | 5670 | -63304 | 788 | | | |
| 107-SS-A | 10630 | 4086 | -68690 | -19638 | | | |
| 109-SS-A | 10660 | -8997 | -66199 | 65 | | | |
| 110-GS-A | 10670 | -14067 | -78422 | 14625 | 0 | 0 | 0 |
| 111-FP-A | 10680 | 4805 | -85690 | -17762 | -3157 | 8769 | -3700 |
| 114-SS-A | 10700 | -6512 | -85560 | -8407 | | | |
| 115-SS-A | 10705 | 413 | -52020 | -1011 | | | |
| 116-GS-A | 10710 | 2144 | -57178 | 7088 | 986 | 102 | 0 |
| 117-SS-A | 10740 | -7205 | -87666 | -26316 | | | |
| 118-GS-A | 10770 | -14952 | -64476 | 8428 | -743 | 101 | -2 |
| 119-SS-A | 10780 | -13747 | -72079 | 1418 | | | |
| 120-FP-A | 10790 | -23814 | -75976 | 10349 | -1201 | -7346 | 135 |
| 121-SS-A | 10800 | -2665 | -80776 | 7122 | | | |
| 123-SS-A | 10820 | 621 | -63212 | 5517 | | | |
| 124-GS-A | 10830 | 9577 | -69718 | 16851 | -2 | 0 | 0 |
| 125-SS-A | 10840 | 3509 | -66508 | 654 | | | |
| 126-SS-A | 10870 | 2527 | -67061 | -18895 | | | |
| 127-SS-A | 10900 | -9668 | -66015 | 1696 | | | |
| 128-SS-A | 10910 | -10541 | -81354 | 6344 | | | |
| 129-FP-A | 10920 | -4078 | -89814 | -10813 | 1937 | 9559 | -2966 |
| 131-SS-A | 10940 | -11225 | -87022 | -8166 | | | |
| 132-SS-A | 10950 | -4004 | -69103 | 4234 | | | |
| 133-SS-A | 10980 | 9887 | -85549 | -22887 | | | |
| 134-SS-A | 11010 | -9064 | -63456 | 5097 | | | |
| 136-FP-A | 11030 | -10154 | -72306 | 18529 | -9229 | 14456 | -14237 |
| 137-SS-A | 11070 | -6523 | -85586 | -2496 | | | |
| 138-SS-A | 11075 | 1232 | -15097 | 628 | | | |
| 139-SS-A | 11080 | 1376 | -16615 | 465 | | | |
| 140-SS-A | 11085 | 6176 | -79315 | -4258 | | | |
| 142-SS-A | 11130 | -11082 | -83924 | -6598 | | | |
| 143-SS-A | 11140 | -7077 | -40519 | 730 | | | |
| 145-FP-A | 11160 | 6341 | -59001 | 8605 | 1955 | -2228 | -4720 |
| 1CH-SS-B | 12520 | 1855 | -41350 | -3532 | | | |
| 2CH-SS-B | 12530 | 2706 | -34166 | -2260 | | | |
| 3CH-SS-B | 12550 | 4023 | -48108 | -2638 | | | |
| 1CH-SS-A | 12750 | -787 | -50759 | -4958 | | | |
| 2CH-SS-A | 12760 | 1339 | -19166 | -1451 | | | |
| 3CH-SS-A | 12780 | 2932 | -57710 | -94 | | | |