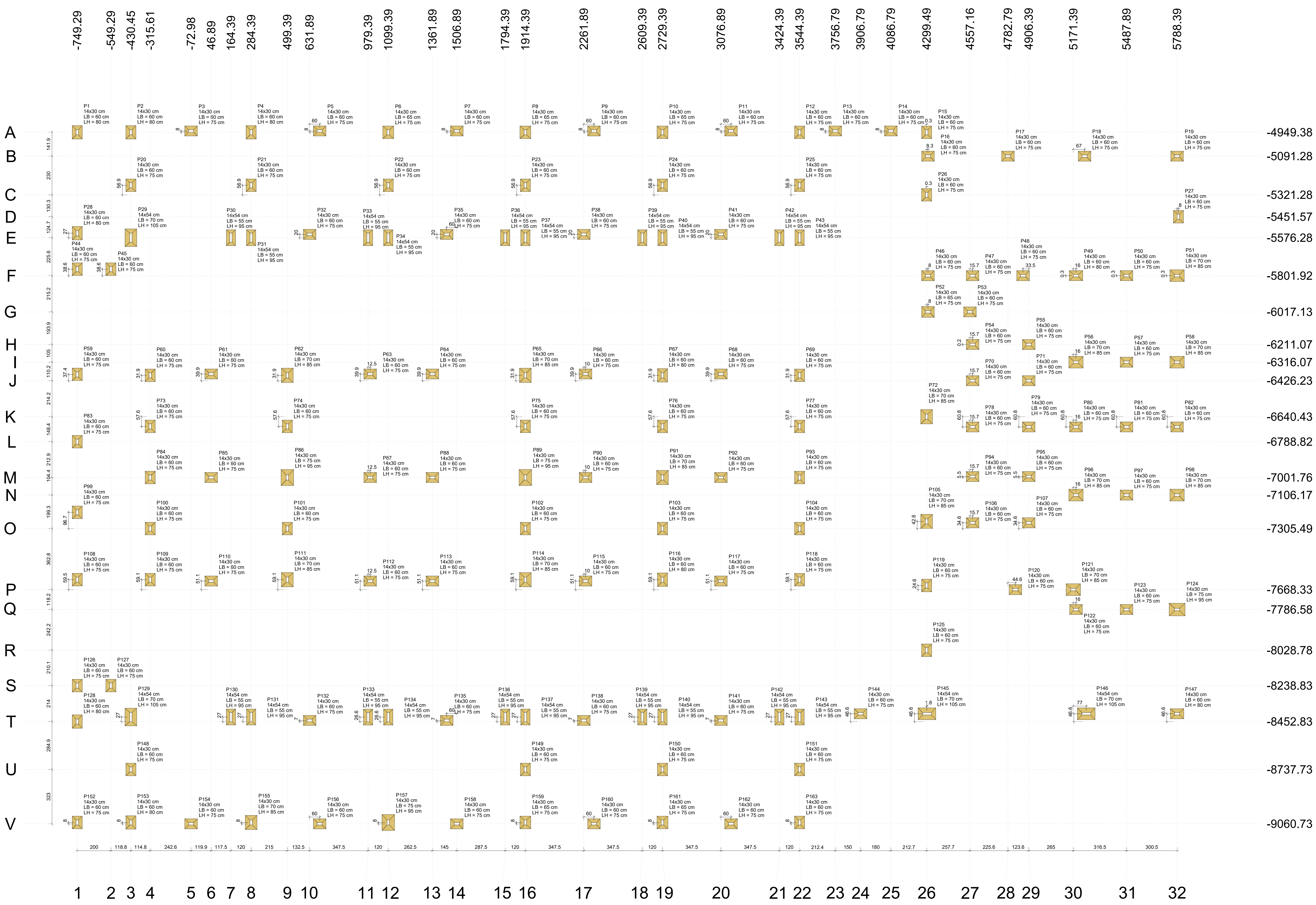
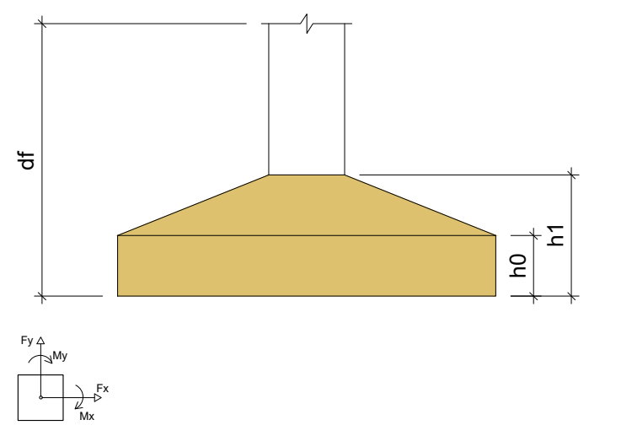
| Pilar | | | | | | | | | | | | | | Fundação | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nome | Seção (cm) | X (cm) | Y (cm) | Carga Máx. (tf) | Carga Mín. (tf) | Mx Máximo (kgf.m) | | My Máximo (kgf.m) | | Fx Máximo (tf) | | Fy Máximo (tf) | | Lado B (cm) | Lado H (cm) | h0 / ha (cm) | h1 / hb (cm) | df (cm) |
| | | | | | | Positivo | Negativo | Positivo | Negativo | Positivo | Negativo | Positivo | Negativo | | | | | |
| P1 | 14x30 | -749.29 | -4949.38 | 4.4 | 4.3 | 0 | 0 | 0 | 0 | 0.0 | -0.3 | 1.0 | 0.0 | 60 | 80 | 30 | 40 | 120 |
| P2 | 14x30 | -430.45 | -4949.38 | 5.3 | 5.2 | 0 | 0 | 0 | 0 | 0.1 | 0.0 | 0.4 | 0.0 | 60 | 80 | 30 | 40 | 120 |
| P3 | 14x30 | -72.98 | -4941.38 | 3.7 | 3.6 | 0 | 0 | 0 | 0 | 0.1 | 0.0 | 0.1 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P4 | 14x30 | 284.39 | -4949.38 | 5.4 | 5.3 | 0 | 0 | 0 | 0 | 0.0 | -0.2 | 0.3 | 0.0 | 60 | 80 | 30 | 40 | 120 |
| P5 | 14x30 | 691.89 | -4941.38 | 4.2 | 4.1 | 0 | 0 | 0 | 0 | 0.1 | 0.0 | 0.1 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P6 | 14x30 | 1099.39 | -4949.38 | 5.6 | 5.5 | 0 | 0 | 0 | 0 | 0.1 | 0.0 | 0.3 | 0.0 | 65 | 75 | 30 | 40 | 120 |
| P7 | 14x30 | 1506.89 | -4941.38 | 4.2 | 4.1 | 0 | 0 | 0 | 0 | 0.1 | 0.0 | 0.1 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P8 | 14x30 | 1914.39 | -4949.38 | 5.6 | 5.5 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.3 | 0.0 | 65 | 75 | 30 | 40 | 120 |
| P9 | 14x30 | 2321.89 | -4941.38 | 4.2 | 4.1 | 0 | 0 | 0 | 0 | 0.1 | 0.0 | 0.1 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P10 | 14x30 | 2729.39 | -4949.38 | 5.6 | 5.5 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.3 | 0.0 | 65 | 75 | 30 | 40 | 120 |
| P11 | 14x30 | 3136.89 | -4941.38 | 4.2 | 4.1 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.1 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P12 | 14x30 | 3544.39 | -4949.38 | 4.8 | 4.7 | 0 | 0 | 0 | 0 | 0.2 | 0.0 | 0.3 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P13 | 14x30 | 3756.79 | -4941.38 | 2.7 | 2.6 | 0 | 0 | 0 | 0 | 0.0 | -0.2 | 0.0 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P14 | 14x30 | 4086.79 | -4941.38 | 3.1 | 3.0 | 0 | 0 | 0 | 0 | 0.2 | 0.0 | 0.0 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P15 | 14x30 | 4299.79 | -4949.38 | 1.9 | 1.8 | 0 | 0 | 0 | 0 | 0.1 | 0.0 | 0.1 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P16 | 14x30 | 4307.79 | -5091.28 | 4.0 | 3.9 | 0 | 0 | 0 | 0 | 0.0 | -0.7 | 0.1 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P17 | 14x30 | 4782.79 | -5091.28 | 4.6 | 4.5 | 0 | 0 | 0 | 0 | 0.1 | 0.0 | 0.1 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P18 | 14x30 | 5238.39 | -5091.28 | 5.0 | 4.9 | 0 | 0 | 0 | 0 | 0.0 | -0.4 | 0.0 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P19 | 14x30 | 5788.39 | -5091.28 | 4.4 | 4.3 | 0 | 0 | 0 | 0 | 0.9 | 0.0 | 0.3 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P20 | 14x30 | -430.45 | -5264.38 | 3.4 | 3.3 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.4 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P21 | 14x30 | 284.39 | -5264.38 | 3.3 | 3.2 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.2 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P22 | 14x30 | 1099.39 | -5264.38 | 3.3 | 3.2 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.2 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P23 | 14x30 | 1914.39 | -5264.38 | 3.3 | 3.2 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.2 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P24 | 14x30 | 2729.39 | -5264.38 | 3.3 | 3.2 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.2 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P25 | 14x30 | 3544.39 | -5264.38 | 3.3 | 3.2 | 0 | 0 | 0 | 0 | 0.1 | 0.0 | 0.1 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P26 | 14x30 | 4299.79 | -5321.28 | 4.0 | 3.9 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.5 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P27 | 14x30 | 5796.39 | -5451.57 | 3.7 | 3.6 | 0 | 0 | 0 | 0 | 0.1 | 0.0 | 0.0 | -0.2 | 60 | 75 | 30 | 40 | 120 |
| P28 | 14x30 | -749.29 | -5549.28 | 5.4 | 5.3 | 0 | 0 | 0 | 0 | 0.0 | -0.3 | 0.0 | -1.0 | 60 | 80 | 30 | 40 | 120 |
| P29 | 14x54 | -430.45 | -5576.28 | 6.9 | 6.7 | 0 | 0 | 0 | 0 | 0.0 | -0.7 | 0.0 | -0.4 | 70 | 105 | 25 | 40 | 120 |
| P30 | 14x54 | 164.39 | -5576.28 | 3.4 | 3.2 | 0 | 0 | 0 | 0 | 1.0 | 0.0 | 0.0 | -0.2 | 55 | 95 | 30 | 40 | 120 |
| P31 | 14x54 | 284.39 | -5576.28 | 3.3 | 3.1 | 0 | 0 | 0 | 0 | 0.0 | -0.2 | 0.0 | -0.5 | 55 | 95 | 30 | 40 | 120 |
| P32 | 14x30 | 631.89 | -5556.28 | 4.0 | 3.9 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P33 | 14x54 | 979.39 | -5576.28 | 2.3 | 2.1 | 0 | 0 | 0 | 0 | 0.3 | 0.0 | 0.0 | 0.0 | 55 | 95 | 30 | 40 | 120 |
| P34 | 14x54 | 1099.39 | -5576.28 | 3.3 | 3.1 | 0 | 0 | 0 | 0 | 0.0 | -0.2 | 0.0 | -0.3 | 55 | 95 | 30 | 40 | 120 |
| P35 | 14x30 | 1446.89 | -5556.28 | 4.0 | 3.9 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P36 | 14x54 | 1794.39 | -5576.28 | 2.3 | 2.1 | 0 | 0 | 0 | 0 | 0.3 | 0.0 | 0.0 | 0.0 | 55 | 95 | 30 | 40 | 120 |
| P37 | 14x54 | 1914.39 | -5576.28 | 3.3 | 3.1 | 0 | 0 | 0 | 0 | 0.0 | -0.2 | 0.0 | -0.3 | 55 | 95 | 30 | 40 | 120 |
| P38 | 14x30 | 2261.89 | -5556.28 | 4.0 | 3.9 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P39 | 14x54 | 2609.39 | -5576.28 | 2.3 | 2.1 | 0 | 0 | 0 | 0 | 0.3 | 0.0 | 0.0 | 0.0 | 55 | 95 | 30 | 40 | 120 |
| P40 | 14x54 | 2729.39 | -5576.28 | 3.3 | 3.1 | 0 | 0 | 0 | 0 | 0.0 | -0.2 | 0.0 | -0.3 | 55 | 95 | 30 | 40 | 120 |
| P41 | 14x30 | 3076.89 | -5556.28 | 4.0 | 3.9 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P42 | 14x54 | 3424.39 | -5576.28 | 2.3 | 2.1 | 0 | 0 | 0 | 0 | 0.3 | 0.0 | 0.0 | 0.0 | 55 | 95 | 30 | 40 | 120 |
| P43 | 14x54 | 3544.39 | -5576.28 | 2.1 | 1.9 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | -0.4 | 55 | 95 | 30 | 40 | 120 |
| P44 | 14x30 | -749.29 | -5763.28 | 5.2 | 5.1 | 0 | 0 | 0 | 0 | 0.0 | -0.2 | 1.0 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P45 | 14x30 | -549.29 | -5763.28 | 2.5 | 2.4 | 0 | 0 | 0 | 0 | 0.1 | 0.0 | 0.0 | -0.3 | 60 | 75 | 30 | 40 | 120 |
| P46 | 14x30 | 4307.49 | -5801.92 | 4.4 | 4.3 | 0 | 0 | 0 | 0 | 0.0 | -0.1 | 0.0 | -0.5 | 60 | 75 | 30 | 40 | 120 |
| P47 | 14x30 | 4572.86 | -5801.92 | 3.9 | 3.8 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.1 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P48 | 14x30 | 4872.86 | -5801.92 | 3.2 | 3.1 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.1 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P49 | 14x30 | 5187.39 | -5801.57 | 5.3 | 5.2 | 0 | 0 | 0 | 0 | 0.1 | 0.0 | 0.6 | 0.0 | 60 | 80 | 30 | 40 | 120 |
| P50 | 14x30 | 5487.89 | -5801.57 | 3.2 | 3.1 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.1 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P51 | 14x30 | 5788.39 | -5801.57 | 5.8 | 5.7 | 0 | 0 | 0 | 0 | 0.2 | 0.0 | 0.3 | 0.0 | 70 | 85 | 25 | 40 | 120 |
| P52 | 14x30 | 4307.49 | -6017.13 | 5.6 | 5.5 | 0 | 0 | 0 | 0 | 0.0 | -0.2 | 0.6 | 0.0 | 65 | 75 | 30 | 40 | 120 |
| P53 | 14x30 | 4557.16 | -6017.13 | 3.5 | 3.4 | 0 | 0 | 0 | 0 | 0.1 | 0.0 | 0.0 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P54 | 14x30 | 4572.86 | -6210.92 | 4.1 | 4.0 | 0 | 0 | 0 | 0 | 0.0 | -0.4 | 0.1 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P55 | 14x30 | 4906.39 | -6211.07 | 3.4 | 3.3 | 0 | 0 | 0 | 0 | 0.5 | 0.0 | 0.1 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P56 | 14x30 | 5187.39 | -6316.07 | 6.1 | 6.0 | 0 | 0 | 0 | 0 | 0.0 | -0.1 | 0.0 | -0.3 | 70 | 85 | 25 | 40 | 120 |
| P57 | 14x30 | 5487.89 | -6316.07 | 3.2 | 3.1 | 0 | 0 | 0 | 0 | 0.1 | 0.0 | 0.0 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P58 | 14x30 | 5788.39 | -6316.07 | 6.0 | 5.9 | 0 | 0 | 0 | 0 | 0.2 | 0.0 | 0.0 | -0.3 | 70 | 85 | 25 | 40 | 120 |
| P59 | 14x30 | -749.29 | -6388.82 | 5.1 | 5.0 | 0 | 0 | 0 | 0 | 0.1 | 0.0 | 0.0 | -0.8 | 60 | 75 | 30 | 40 | 120 |
| P60 | 14x30 | -315.61 | -6394.28 | 3.2 | 3.1 | 0 | 0 | 0 | 0 | 0.0 | -0.2 | 0.3 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P61 | 14x30 | 46.89 | -6386.28 | 4.3 | 4.2 | 0 | 0 | 0 | 0 | 0.0 | -0.2 | 0.1 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P62 | 14x30 | 499.39 | -6394.28 | 6.1 | 6.0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.2 | 0.0 | 70 | 85 | 25 | 40 | 120 |
| P63 | 14x30 | 991.89 | -6386.28 | 4.3 | 4.2 | 0 | 0 | 0 | 0 | 0.4 | 0.0 | 0.0 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P64 | 14x30 | 1361.89 | -6386.28 | 4.7 | 4.6 | 0 | 0 | 0 | 0 | 0.0 | -0.6 | 0.1 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P65 | 14x30 | 1914.39 | -6394.28 | 5.9 | 5.8 | 0 | 0 | 0 | 0 | 0.4 | 0.0 | 0.2 | 0.0 | 70 | 85 | 25 | 40 | 120 |
| P66 | 14x30 | 2271.89 | -6386.28 | 4.0 | 3.9 | 0 | 0 | 0 | 0 | 0.0 | -0.4 | 0.0 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P67 | 14x30 | 2729.39 | -6394.28 | 5.4 | 5.3 | 0 | 0 | 0 | 0 | 0.2 | 0.0 | 0.2 | 0.0 | 60 | 80 | 30 | 40 | 120 |
| P68 | 14x30 | 3076.89 | -6386.28 | 4.3 | 4.2 | 0 | 0 | 0 | 0 | 0.0 | -0.3 | 0.1 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P69 | 14x30 | 3544.39 | -6394.28 | 3.7 | 3.6 | 0 | 0 | 0 | 0 | 0.5 | 0.0 | 0.2 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P70 | 14x30 | 4572.86 | -6426.13 | 4.6 | 4.5 | 0 | 0 | 0 | 0 | 0.0 | -0.4 | 0.1 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P71 | 14x30 | 4906.39 | -6426.23 | 4.9 | 4.8 | 0 | 0 | 0 | 0 | 0.5 | 0.0 | 0.1 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P72 | 14x30 | 4299.49 | -6640.43 | 6.2 | 6.1 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | -0.2 | 70 | 85 | 25 | 40 | 120 |
| P73 | 14x30 | -315.61 | -6698.02 | 3.2 | 3.1 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P74 | 14x30 | 499.39 | -6698.02 | 3.2 | 3.1 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P75 | 14x30 | 1914.39 | -6698.02 | 3.2 | 3.1 | 0 | 0 | 0 | 0 | 0.1 | 0.0 | 0.0 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P76 | 14x30 | 2729.39 | -6698.02 | 3.2 | 3.1 | 0 | 0 | 0 | 0 | 0.1 | 0.0 | 0.0 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P77 | 14x30 | 3544.39 | -6698.02 | 3.2 | 3.1 | 0 | 0 | 0 | 0 | 0.1 | 0.0 | 0.0 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P78 | 14x30 | 4572.86 | -6701.23 | 4.6 | 4.5 | 0 | 0 | 0 | 0 | 0.0 | -0.4 | 0.1 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P79 | 14x30 | 4906.39 | -6701.23 | 4.5 | 4.4 | 0 | 0 | 0 | 0 | 0.3 | 0.0 | 0.1 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P80 | 14x30 | 5187.39 | -6701.23 | 5.0 | 4.9 | 0 | 0 | 0 | 0 | 0.0 | -0.3 | 0.0 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P81 | 14x30 | 5487.89 | -6701.23 | 3.2 | 3.1 | 0 | 0 | 0 | 0 | 0.1 | 0.0 | 0.0 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P82 | 14x30 | 5788.39 | -6701.23 | 5.0 | 4.8 | 0 | 0 | 0 | 0 | 0.2 | 0.0 | 0.1 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P83 | 14x30 | -749.29 | -6788.82 | 4.0 | 3.9 | 0 | 0 | 0 | 0 | 0.1 | 0.0 | 0.1 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P84 | 14x30 | -315.61 | -7001.76 | 4.5 | 4.4 | 0 | 0 | 0 | 0 | 0.0 | -0.2 | 0.0 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P85 | 14x30 | 46.89 | -7001.76 | 4.3 | 4.2 | 0 | 0 | 0 | 0 | 0.0 | -0.2 | 0.0 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P86 | 14x30 | 499.39 | -7001.76 | 7.4 | 7.3 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 75 | 95 | 25 | 40 | 120 |
| P87 | 14x30 | 991.89 | -7001.76 | 4.3 | 4.2 | 0 | 0 | 0 | 0 | 0.4 | 0.0 | 0.0 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P88 | 14x30 | 1361.89 | -7001.76 | 4.7 | 4.6 | 0 | 0 | 0 | 0 | 0.0 | -0.6 | 0.0 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P89 | 14x30 | 1914.39 | -7001.76 | 7.2 | 7.1 | 0 | 0 | 0 | 0 | 0.4 | 0.0 | 0.0 | 0.0 | 75 | 95 | 25 | 40 | 120 |
| P90 | 14x30 | 2271.89 | -7001.76 | 4.1 | 3.9 | 0 | 0 | 0 | 0 | 0.0 | -0.4 | 0.0 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P91 | 14x30 | 2729.39 | -7001.76 | 6.7 | 6.6 | 0 | 0 | 0 | 0 | 0.2 | 0.0 | 0.0 | 0.0 | 70 | 85 | 25 | 40 | 120 |
| P92 | 14x30 | 3076.89 | -7001.76 | 4.3 | 4.2 | 0 | 0 | 0 | 0 | 0.0 | -0.3 | 0.0 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P93 | 14x30 | 3544.39 | -7001.76 | 5.1 | 5.0 | 0 | 0 | 0 | 0 | 0.5 | 0.0 | 0.0 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P94 | 14x30 | 4572.86 | -6996.23 | 4.7 | 4.6 | 0 | 0 | 0 | 0 | 0.0 | -0.4 | 0.1 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P95 | 14x30 | 4906.39 | -6996.23 | 4.7 | 4.6 | 0 | 0 | 0 | 0 | 0.3 | 0.0 | 0.1 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P96 | 14x30 | 5187.39 | -7106.17 | 6.3 | 6.2 | 0 | 0 | 0 | 0 | 0.0 | -0.1 | 0.3 | 0.0 | 70 | 85 | 25 | 40 | 120 |
| P97 | 14x30 | 5487.89 | -7106.17 | 3.2 | 3.1 | 0 | 0 | 0 | 0 | 0.1 | 0.0 | 0.1 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P98 | 14x30 | 5788.39 | -7106.17 | 6.9 | 6.8 | 0 | 0 | 0 | 0 | 0.2 | 0.0 | 0.6 | 0.0 | 70 | 85 | 25 | 40 | 120 |
| P99 | 14x30 | -749.29 | -7208.81 | 4.0 | 3.9 | 0 | 0 | 0 | 0 | 0.1 | 0.0 | 0.0 | -0.2 | 60 | 75 | 30 | 40 | 120 |
| P100 | 14x30 | -315.61 | -7305.49 | 3.2 | 3.1 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.1 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P101 | 14x30 | 499.39 | -7305.49 | 3.2 | 3.1 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.1 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P102 | 14x30 | 1914.39 | -7305.49 | 3.2 | 3.1 | 0 | 0 | 0 | 0 | 0.1 | 0.0 | 0.1 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P103 | 14x30 | 2729.39 | -7305.49 | 3.2 | 3.1 | 0 | 0 | 0 | 0 | 0.1 | 0.0 | 0.1 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P104 | 14x30 | 3544.39 | -7305.49 | 3.2 | 3.1 | 0 | 0 | 0 | 0 | 0.1 | 0.0 | 0.1 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P105 | 14x30 | 4299.49 | -7262.93 | 6.1 | 6.0 | 0 | 0 | 0 | 0 | 0.0 | -0.3 | 0.0 | -0.7 | 70 | 85 | 25 | 40 | 120 |
| P106 | 14x30 | 4572.86 | -7270.93 | 4.5 | 4.4 | 0 | 0 | 0 | 0 | 0.0 | -0.2 | 0.0 | -0.1 | 60 | 75 | 30 | 40 | 120 |
| P107 | 14x30 | 4906.39 | -7270.93 | 3.0 | 2.9 | 0 | 0 | 0 | 0 | 0.3 | 0.0 | 0.0 | -0.1 | 60 | 75 | 30 | 40 | 120 |
| P108 | 14x30 | -749.29 | -7608.81 | 5.2 | 5.1 | 0 | 0 | 0 | 0 | 0.1 | 0.0 | 0.7 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P109 | 14x30 | -315.61 | -7609.23 | 3.2 | 3.1 | 0 | 0 | 0 | 0 | 0.0 | -0.2 | 0.0 | -0.2 | 60 | 75 | 30 | 40 | 120 |
| P110 | 14x30 | 46.89 | -7617.23 | 4.3 | 4.2 | 0 | 0 | 0 | 0 | 0.0 | -0.2 | 0.0 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P111 | 14x30 | 499.39 | -7609.23 | 6.1 | 6.0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | -0.1 | 70 | 85 | 25 | 40 | 120 |
| P112 | 14x30 | 991.89 | -7617.23 | 4.3 | 4.2 | 0 | 0 | 0 | 0 | 0.4 | 0.0 | 0.0 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P113 | 14x30 | 1361.89 | -7617.23 | 4.7 | 4.6 | 0 | 0 | 0 | 0 | 0.0 | -0.6 | 0.0 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P114 | 14x30 | 1914.39 | -7609.23 | 5.9 | 5.8 | 0 | 0 | 0 | 0 | 0.4 | 0.0 | 0.0 | -0.1 | 70 | 85 | 25 | 40 | 120 |
| P115 | 14x30 | 2271.89 | -7617.23 | 4.0 | 3.9 | 0 | 0 | 0 | 0 | 0.0 | -0.4 | 0.1 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P116 | 14x30 | 2729.39 | -7609.23 | 5.4 | 5.3 | 0 | 0 | 0 | 0 | 0.2 | 0.0 | 0.0 | -0.1 | 60 | 80 | 30 | 40 | 120 |
| P117 | 14x30 | 3076.89 | -7617.23 | 4.3 | 4.2 | 0 | 0 | 0 | 0 | 0.0 | -0.3 | 0.0 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P118 | 14x30 | 3544.39 | -7609.23 | 3.7 | 3.6 | 0 | 0 | 0 | 0 | 0.5 | 0.0 | 0.0 | -0.3 | 60 | 75 | 30 | 40 | 120 |
| P119 | 14x30 | 4299.49 | -7643.78 | 3.8 | 3.7 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.1 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P120 | 14x30 | 4827.39 | -7668.33 | 1.9 | 1.8 | 0 | 0 | 0 | 0 | 0.0 | -0.4 | 0.0 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P121 | 14x30 | 5171.39 | -7668.33 | 6.3 | 6.2 | 0 | 0 | 0 | 0 | 0.3 | 0.0 | 0.0 | -0.6 | 70 | 85 | 25 | 40 | 120 |
| P122 | 14x30 | 5187.39 | -7786.58 | 1.1 | 1.0 | 0 | 0 | 0 | 0 | 0.0 | -0.2 | 0.1 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P123 | 14x30 | 5487.89 | -7786.58 | 3.2 | 3.1 | 0 | 0 | 0 | 0 | 0.1 | 0.0 | 0.0 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P124 | 14x30 | 5788.39 | -7786.58 | 8.1 | 8.0 | 0 | 0 | 0 | 0 | 0.2 | 0.0 | 0.0 | -0.2 | 75 | 95 | 25 | 40 | 120 |
| P125 | 14x30 | 4299.49 | -8028.78 | 4.0 | 3.9 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.1 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P126 | 14x30 | -749.29 | -8238.83 | 5.1 | 5.0 | 0 | 0 | 0 | 0 | 0.0 | -0.2 | 0.0 | -0.9 | 60 | 75 | 30 | 40 | 120 |
| P127 | 14x30 | -549.29 | -8238.83 | 2.6 | 2.5 | 0 | 0 | 0 | 0 | 0.2 | 0.0 | 0.2 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P128 | 14x30 | -749.29 | -8452.83 | 5.4 | 5.2 | 0 | 0 | 0 | 0 | 0.0 | -0.3 | 0.9 | 0.0 | 60 | 80 | 30 | 40 | 120 |
| P129 | 14x54 | -430.45 | -8425.83 | 6.9 | 6.7 | 0 | 0 | 0 | 0 | 0.0 | -0.5 | 0.5 | 0.0 | 70 | 105 | 25 | 40 | 120 |
| P130 | 14x54 | 164.39 | -8425.83 | 5.1 | 4.9 | 0 | 0 | 0 | 0 | 0.7 | 0.0 | 0.1 | 0.0 | 55 | 95 | 30 | 40 | 120 |
| P131 | 14x54 | 284.39 | -8425.83 | 4.4 | 4.2 | 0 | 0 | 0 | 0 | 0.0 | -0.2 | 1.2 | 0.0 | 55 | 95 | 30 | 40 | 120 |
| P132 | 14x30 | 631.89 | -8445.83 | 3.8 | 3.7 | 0 | 0 | 0 | 0 | 0.1 | 0.0 | 0.0 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P133 | 14x54 | 979.39 | -8426.28 | 2.9 | 2.7 | 0 | 0 | 0 | 0 | 0.2 | 0.0 | 0.1 | 0.0 | 55 | 95 | 30 | 40 | 120 |
| P134 | 14x54 | 1099.39 | -8426.28 | 5.4 | 5.2 | 0 | 0 | 0 | 0 | 0.0 | -0.3 | 1.2 | 0.0 | 55 | 95 | 30 | 40 | 120 |
| P135 | 14x30 | 1446.89 | -8445.83 | 3.8 | 3.7 | 0 | 0 | 0 | 0 | 0.1 | 0.0 | 0.0 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P136 | 14x54 | 1794.39 | -8425.83 | 3.0 | 2.8 | 0 | 0 | 0 | 0 | 0.2 | 0.0 | 0.1 | 0.0 | 55 | 95 | 30 | 40 | 120 |
| P137 | 14x54 | 1914.39 | -8425.83 | 4.0 | 3.8 | 0 | 0 | 0 | 0 | 0.0 | -0.3 | 0.4 | 0.0 | 55 | 95 | 30 | 40 | 120 |
| P138 | 14x30 | 2261.89 | -8445.83 | 3.8 | 3.7 | 0 | 0 | 0 | 0 | 0.1 | 0.0 | 0.1 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P139 | 14x54 | 2609.39 | -8425.83 | 3.0 | 2.8 | 0 | 0 | 0 | 0 | 0.2 | 0.0 | 0.1 | 0.0 | 55 | 95 | 30 | 40 | 120 |
| P140 | 14x54 | 2729.39 | -8425.83 | 4.0 | 3.8 | 0 | 0 | 0 | 0 | 0.0 | -0.3 | 0.4 | 0.0 | 55 | 95 | 30 | 40 | 120 |
| P141 | 14x30 | 3076.89 | -8445.83 | 3.8 | 3.6 | 0 | 0 | 0 | 0 | 0.1 | 0.0 | 0.1 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P142 | 14x54 | 3424.39 | -8425.83 | 2.9 | 2.7 | 0 | 0 | 0 | 0 | 0.2 | 0.0 | 0.1 | 0.0 | 55 | 95 | 30 | 40 | 120 |
| P143 | 14x54 | 3544.39 | -8425.83 | 4.2 | 4.0 | 0 | 0 | 0 | 0 | 0.0 | -0.2 | 0.2 | 0.0 | 55 | 95 | 30 | 40 | 120 |
| P144 | 14x30 | 3906.79 | -8406.28 | 3.8 | 3.7 | 0 | 0 | 0 | 0 | 0.1 | 0.0 | 0.1 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P145 | 14x54 | 4301.29 | -8406.28 | 8.3 | 8.1 | 0 | 0 | 0 | 0 | 0.0 | -2.2 | 0.0 | -0.3 | 70 | 105 | 25 | 40 | 120 |
| P146 | 14x54 | 5248.39 | -8406.28 | 7.5 | 7.3 | 0 | 0 | 0 | 0 | 1.6 | 0.0 | 0.1 | 0.0 | 70 | 105 | 25 | 40 | 120 |
| P147 | 14x30 | 5788.39 | -8406.28 | 5.3 | 5.2 | 0 | 0 | 0 | 0 | 0.7 | 0.0 | 0.0 | -1.0 | 60 | 80 | 30 | 40 | 120 |
| P148 | 14x30 | -430.45 | -8737.73 | 3.4 | 3.2 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | -0.2 | 60 | 75 | 30 | 40 | 120 |
| P149 | 14x30 | 1914.39 | -8737.73 | 3.3 | 3.2 | 0 | 0 | 0 | 0 | 0.1 | 0.0 | 0.0 | -0.1 | 60 | 75 | 30 | 40 | 120 |
| P150 | 14x30 | 2729.39 | -8737.73 | 3.3 | 3.2 | 0 | 0 | 0 | 0 | 0.1 | 0.0 | 0.0 | -0.1 | 60 | 75 | 30 | 40 | 120 |
| P151 | 14x30 | 3544.39 | -8737.73 | 3.3 | 3.2 | 0 | 0 | 0 | 0 | 0.1 | 0.0 | 0.1 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P152 | 14x30 | -749.29 | -9052.73 | 4.4 | 4.3 | 0 | 0 | 0 | 0 | 0.0 | -0.3 | 0.0 | -1.1 | 60 | 75 | 30 | 40 | 120 |
| P153 | 14x30 | -430.45 | -9052.73 | 5.2 | 5.1 | 0 | 0 | 0 | 0 | 0.1 | 0.0 | 0.0 | -0.3 | 60 | 80 | 30 | 40 | 120 |
| P154 | 14x30 | -72.98 | -9060.73 | 3.7 | 3.6 | 0 | 0 | 0 | 0 | 0.1 | 0.0 | 0.0 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P155 | 14x30 | 284.39 | -9052.73 | 6.8 | 6.7 | 0 | 0 | 0 | 0 | 0.0 | -0.2 | 0.0 | -1.3 | 70 | 85 | 25 | 40 | 120 |
| P156 | 14x30 | 691.89 | -9060.73 | 4.2 | 4.1 | 0 | 0 | 0 | 0 | 0.1 | 0.0 | 0.0 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P157 | 14x30 | 1099.39 | -9052.73 | 7.0 | 6.9 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | -1.1 | 75 | 95 | 25 | 40 | 120 |
| P158 | 14x30 | 1506.89 | -9060.73 | 4.2 | 4.1 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P159 | 14x30 | 1914.39 | -9052.73 | 5.6 | 5.5 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | -0.2 | 65 | 75 | 30 | 40 | 120 |
| P160 | 14x30 | 2321.89 | -9060.73 | 4.2 | 4.1 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P161 | 14x30 | 2729.39 | -9052.73 | 5.6 | 5.5 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | -0.2 | 65 | 75 | 30 | 40 | 120 |
| P162 | 14x30 | 3136.89 | -9060.73 | 4.3 | 4.2 | 0 | 0 | 0 | 0 | 0.0 | -0.2 | 0.0 | 0.0 | 60 | 75 | 30 | 40 | 120 |
| P163 | 14x30 | 3544.39 | -9052.73 | 3.5 | 3.4 | 0 | 0 | 0 | 0 | 0.4 | 0.0 | 0.0 | -0.2 | 60 | 75 | 30 | 40 | 120 |

Os esforços indicados nesta tabela são os valores máximos obtidos pela envoltória de todas as combinações definidas para as fundações. Para análises complementares, deve-se consultar o relatório de esforços na fundação, que apresenta os valores calculados para cada combinação.



## Planta de locação

escala 1:100



| Locação no eixo X | |
|---|---|
| Coordenadas (cm) | Nome |
| -749.29 | P1, P28, P44, P59, P83, P99, P108, P126, P128, P152 |
| -549.29 | P45, P127 |
| -430.45 | P2, P20, P29, P129, P148, P153 |
| -315.61 | P60, P73, P84, P100, P109 |
| -72.98 | P3, P154 |
| 46.89 | P61, P85, P110 |
| 164.39 | P30, P130 |
| 284.39 | P4, P21, P31, P131, P155 |
| 499.39 | P62, P74, P86, P101, P111 |
| 631.89 | P32, P132 |
| 691.89 | P5, P156 |
| 979.39 | P33, P133 |
| 991.89 | P63, P87, P112 |
| 1099.39 | P6, P22, P34, P134, P157 |
| 1361.89 | P64, P88, P113 |
| 1446.89 | P35, P135 |
| 1506.89 | P7, P158 |
| 1794.39 | P36, P136 |
| 1914.39 | P8, P23, P37, P65, P75, P89, P102, P114, P137, P149, P159 |
| 2261.89 | P38, P138 |
| 2271.89 | P66, P90, P115 |
| 2321.89 | P9, P160 |
| 2609.39 | P39, P139 |
| 2729.39 | P10, P24, P40, P67, P76, P91, P103, P116, P140, P150, P161 |
| 3076.89 | P41, P68, P92, P117, P141 |
| 3136.89 | P11, P162 |
| 3424.39 | P42, P142 |
| 3544.39 | P12, P25, P43, P69, P77, P93, P104, P118, P143, P151, P163 |
| 3756.79 | P13 |
| 3906.79 | P144 |
| 4086.79 | P14 |
| 4299.49 | P72, P105, P119, P125 |
| 4299.79 | P15, P26 |
| 4301.29 | P145 |
| 4307.49 | P46, P52 |
| 4307.79 | P16 |
| 4557.16 | P53 |
| 4572.86 | P47, P54, P70, P78, P94, P106 |
| 4782.79 | P17 |
| 4827.39 | P120 |
| 4872.86 | P48 |
| 4906.39 | P55, P71, P79, P95, P107 |
| 5171.39 | P121 |
| 5187.39 | P49, P56, P80, P96, P122 |
| 5238.39 | P18 |
| 5248.39 | P146 |
| 5487.89 | P50, P57, P81, P97, P123 |
| 5788.39 | P19, P51, P58, P82, P98, P124, P147 |
| 5796.39 | P27 |

| Locação no eixo Y | |
|---|---|
| Coordenadas (cm) | Nome |
| -4941.38 | P3, P5, P7, P9, P11, P13, P14 |
| -4949.38 | P1, P2, P4, P6, P8, P10, P12, P15 |
| -5091.28 | P16, P17, P18, P19 |
| -5264.38 | P20, P21, P22, P23, P24, P25 |
| -5321.28 | P26 |
| -5451.57 | P27 |
| -5549.28 | P28 |
| -5556.28 | P32, P35, P38, P41 |
| -5576.28 | P29, P30, P31, P33, P34, P36, P37, P39, P40, P42, P43 |
| -5763.28 | P44, P45 |
| -5801.57 | P49, P50, P51 |
| -5801.92 | P46, P47, P48 |
| -6017.13 | P52, P53 |
| -6210.92 | P54 |
| -6211.07 | P55 |
| -6316.07 | P56, P57, P58 |
| -6386.28 | P61, P63, P64, P66, P68 |
| -6388.82 | P59 |
| -6394.28 | P60, P62, P65, P67, P69 |
| -6426.13 | P70 |
| -6426.23 | P71 |
| -6640.43 | P72 |
| -6698.02 | P73, P74, P75, P76, P77 |
| -6701.23 | P78, P79, P80, P81, P82 |
| -6788.82 | P83 |
| -6996.23 | P94, P95 |
| -7001.76 | P84, P85, P86, P87, P88, P89, P90, P91, P92, P93 |
| -7106.17 | P96, P97, P98 |
| -7208.81 | P99 |
| -7262.93 | P105 |
| -7270.93 | P106, P107 |
| -7305.49 | P100, P101, P102, P103, P104 |
| -7608.81 | P108 |
| -7609.23 | P109, P111, P114, P116, P118 |
| -7617.23 | P110, P112, P113, P115, P117 |
| -7643.78 | P119 |
| -7668.33 | P120, P121 |
| -7786.58 | P122, P123, P124 |
| -8028.78 | P125 |
| -8238.83 | P126, P127 |
| -8406.28 | P144, P145, P146, P147 |
| -8425.83 | P129, P130, P131, P136, P137, P139, P140, P142, P143 |
| -8426.28 | P133, P134 |
| -8445.83 | P132, P135, P138, P141 |
| -8452.83 | P128 |
| -8737.73 | P148, P149, P150, P151 |
| -9052.73 | P152, P153, P155, P157, P159, P161, P163 |
| -9060.73 | P154, P156, P158, P160, P162 |

| ESPECIFICAÇÕES DE PROJETO (NBR-6118: 2014) | |
|---|---|
| CLASSE DE AGRESSIVIDADE | II - MODERADA (URBANA) |
| COBRIMENTOS | PILARES FUNDAÇÃO: 4.5 CM |
| | VIGAS FUNDAÇÃO:3.0 CM |
| | LAJES: 2.5 CM |
| | SAPATAS: 4.5 CM |
| PROPRIEDADES DO CONCRETO | PILARES: C25 FCK = 25 MPA |
| | VIGAS: C25 FCK = 25 MPA |
| | LAJES: C25 FCK = 25 MPA |
| | FUNDAÇÃO: C25 FCK = 25 MPA |
| DIMENSÕES | ESTRUTURA: CENTÍMETROS (CM), QUANDO NÃO ESPECIFICADAS |
| | BITOLAS: MILÍMETROS (MM) |
| TIPO DE CIMENTO (NBR 11578) | CIMENTO PORTLAND COMPOSTO CP II-32 |
| FATOR ÁGUA/CIMENTO | 0,5 |
| CONSUMO MÍNIMO DE CIMENTO | 362,65 KG/M³ (CÓD. 94965 - REF. SINAPI 02/2022) |
| SLUMP DO CONCRETO | 8,00 CM |
| ESPECIFICAÇÕES DOS AGREGADOS | AREIA MEDIA |
| | PEDRA BRITADA N. 1 (9,5 A 19 MM) |

### NOTAS GERAIS: ESTRUTURA DE CONCRETO ARMADO

1 - A EXECUÇÃO DA ESTRUTURA DEVE SEGUIR AS PRESCRIÇÕES DA NBR 6118/2014;
2 - A DOBRA DAS ARMADURAS DEVERÃO SEGUIR AS PRESCRIÇÕES DA NBR-6118/2014;
3 - A LOCAÇÃO DA ESTRUTURA DEVERÁ SER COMPATIBILIZADA COM AS MEDIDAS DO TERRENO E NÃO DEVE SER FEITA ACULUMANDO DIFERENÇAS;
4 - A EXECUÇÃO DA ESTRUTURA DEVERÁ INICIAR APÓS A COMPATIBILIZAÇÃO COM OS PROJETOS ARQUITETÔNICOS E COMPLEMENTARES;
5 - AS FORMAS NÃO PODERÃO APRESENTAR DEFORMAÇÕES EXCESSIVAS;
6 - A CURA DEVERÁ SER FEITA DURANTE OS SETE PRIMEIROS DIAS A PARTIR DO LANÇAMENTO DO CONCRETO, DEVENDO SER RIGOROSAMENTE INSPECIONADA;
7 - QUALQUER ALTERAÇÃO DE RESISTÊNCIA OU DIMENSÕES DEVERÃO SER COMUNICADAS AO PROJETISTA;
8 - O CONCRETO DEVERÁ SER DOSADO SEGUINDO COMO BASE SUA RESISTÊNCIA AOS 28 DIAS (Fck);
9 - CASO SEJA NECESSÁRIO EMENDA DE BARRA NÃO ESPECIFICADA NESTE PROJETO, ESTA DEVERÁ SER FEITA CONFORME AS ESPECIFICAÇÕES DO ITEM 9 DA NBR-6118/2014;
10 - EM TODOS OS VÃOS DE PORTAS, JANELAS E VITRÔS DEVERÃO SER EXECUTADAS VERGAS E CONTRAVERGAS;

**Aprovação/Autentificações:**

SERVIÇO PUBLICO
ESTADO DO MATO GROSSO

**Cliente:**

Prefeitura Municipal de
PARANAÍTA

PREFEITURA MUNICIPAL DE PARANAITA
Rua Alceu Rossi, s/n - centro - 78590-000
Telefone: (66) 3563-2700
CNPJ: 03.239.043/0001-12

OSMAR ANTONIO MOREIRA:34548017968

Assinado digitalmente por OSMAR ANTONIO MOREIRA:34548017968
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Localização: sua localização de assinatura aqui
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OSMAR ANTONIO MOREIRA
PREFEITO MUNICIPAL

**Autor do Projeto/Responsavel Tecnico:**

ÁGIL PROJETOS E CONSTRUÇÕES CIVIS
Tv. do Parecis, 24 Sala B - Centro, Colíder - MT, 78500-000
CNPJ: 17.787.272/0001-86

ALEX OSCAR DE SOUSA:90384865100

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ALEX OSCAR DE SOUSA
ENGENHEIRO CIVIL CREA/PR-141259/D

**Tipo de Obra:** Educacional e Cultura Fisica
**Modalidade:** Infraestrutura Urbana

### DADOS DA OBRA

**Objeto de contrato:**
CONSTRUÇÃO DO COMPLEXO EDUCACIONAL DA ESCOLA ESTADUAL JOÃO PAULO I
**Endereço da obra:**
RUA 302, LOTE LE46 E LOTE LPE 304, SETOR DE SERVIÇOS, CEP: 78590-000, PARANAÍTA-MT
**ART:** 0000000000000
**Portaria de Projeto Aprovado:** 0000000000000
**Convênio:** 0000000000000
**Coordenada:** 09°39'57.29"S | 56°28'36.02"O

### ASSUNTO DE PROJETO

**Conteudo:**
PLANTA DE LOCAÇÃO, DETALHES DE FUNDAÇÃO E TABELAS (BLOCO ESCOLAR).

**Quadro de Áreas/Legenda:**
VER PROJETO ARQUITETONICO

| | |
|---|---|
| **REV:** 02 | |
| **DATA:** Março de 2023. | |
| **ESCALA:** INDICADA | |
| **NOMECLATURA:** EST. CON. | **FOLHA:** 02/41 |

OBS: NÃO É PERMITIDO ALTERAR OU MODIFICAR ESTE PROJETO SEM AUTORIZAÇÃO DO AUTOR, LEI DE REGULAMENTO DIREITO AUTORAL N.° 6988/73