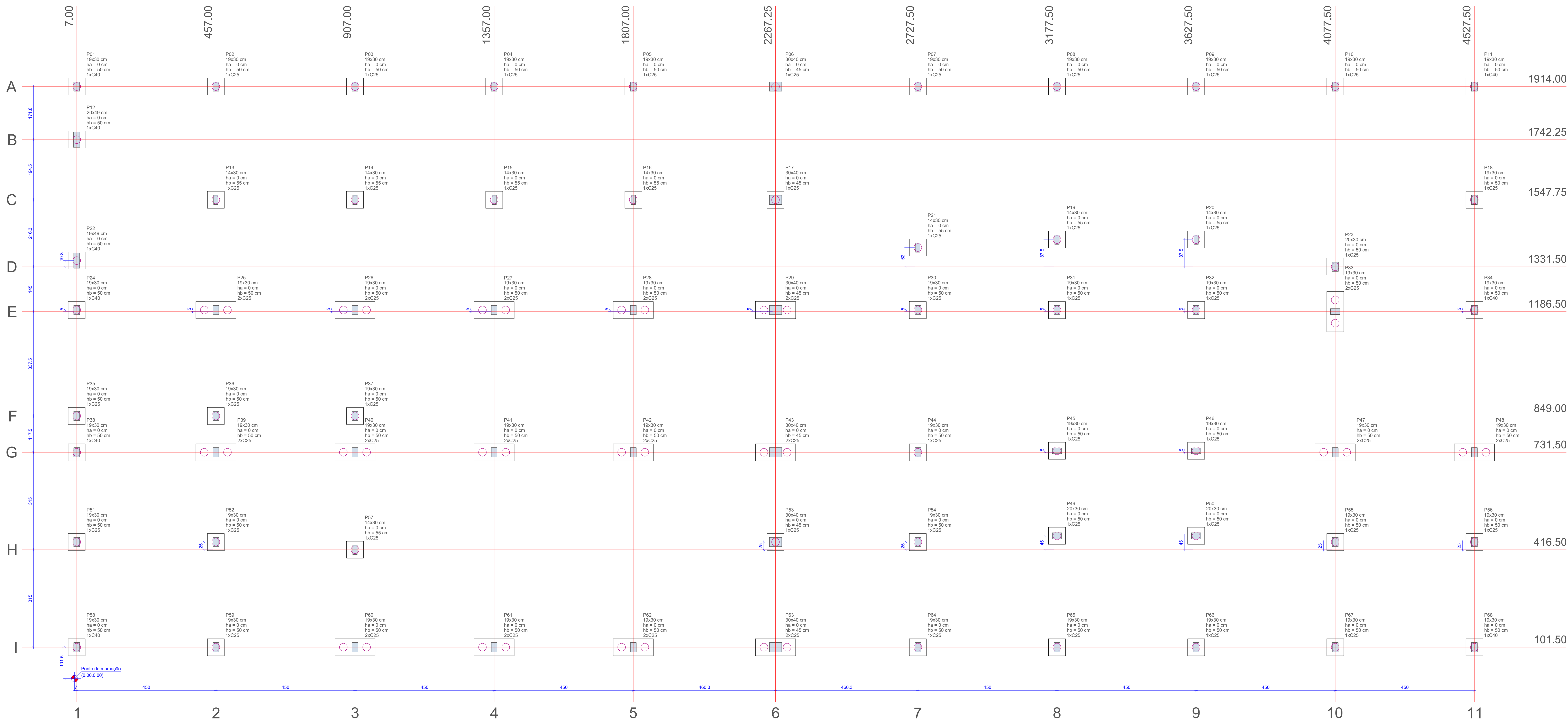




## Planta de localização das fundações

escala 1:50

| Nome | PILAR      |         |         |                  |                  |            |            |          |          |             | FUNDAÇÃO    |              |              |    |        |         |     |        |         |    | BLOCO  |         |    |        |         |    |        |         |  |  |
|------|------------|---------|---------|------------------|------------------|------------|------------|----------|----------|-------------|-------------|--------------|--------------|----|--------|---------|-----|--------|---------|----|--------|---------|----|--------|---------|----|--------|---------|--|--|
|      | Seção (cm) | X (cm)  | Y (cm)  | Carga Máx. (kgf) | Carga Mín. (kgf) | Mx (kgf.m) | My (kgf.m) | Fx (kgf) | Fy (kgf) | Lado B (cm) | Lado H (cm) | h0 / ha (cm) | h1 / hb (cm) | ne | Estaca | ca (cm) | ne  | Estaca | ca (cm) | ne | Estaca | ca (cm) | ne | Estaca | ca (cm) | ne | Estaca | ca (cm) |  |  |
| P01  | 19x30      | 7.00    | 1914.00 | 8.4              | 5.9              | 500        | 200        | 0.5      | 0.8      | 55          | 55          | 55           | 0            | 50 | 1      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P02  | 19x30      | 457.00  | 1914.00 | 15.4             | 13.8             | 300        | 100        | 0.2      | 0.5      | 55          | 55          | 55           | 0            | 50 | 1      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P03  | 19x30      | 907.00  | 1914.00 | 13.5             | 12.0             | 300        | 100        | 0.1      | 0.5      | 55          | 55          | 55           | 0            | 50 | 1      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P04  | 19x30      | 1357.00 | 1914.00 | 13.8             | 12.2             | 400        | 100        | 0.1      | 0.6      | 55          | 55          | 55           | 0            | 50 | 1      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P05  | 19x30      | 1807.00 | 1914.00 | 13.9             | 12.3             | 400        | 100        | 0.1      | 0.6      | 55          | 55          | 55           | 0            | 50 | 1      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P06  | 30x40      | 2267.25 | 1914.00 | 15.7             | 13.6             | 500        | 400        | 0.2      | 0.4      | 55          | 55          | 55           | 0            | 45 | 1      | C25     | -30 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P07  | 19x30      | 2727.50 | 1914.00 | 15.8             | 14.2             | 600        | 500        | 0.1      | 0.6      | 55          | 55          | 55           | 0            | 50 | 1      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P08  | 19x30      | 3177.50 | 1914.00 | 15.8             | 14.1             | 500        | 100        | 0.2      | 0.4      | 55          | 55          | 55           | 0            | 50 | 1      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P09  | 19x30      | 3627.50 | 1914.00 | 15.9             | 14.2             | 600        | 100        | 0.2      | 0.4      | 55          | 55          | 55           | 0            | 50 | 1      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P10  | 19x30      | 4077.50 | 1914.00 | 16.6             | 16.6             | 700        | 100        | 0.2      | 0.9      | 55          | 55          | 55           | 0            | 50 | 1      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P11  | 19x30      | 4527.50 | 1914.00 | 10.2             | 8.7              | 500        | 200        | 0.5      | 0.7      | 55          | 55          | 55           | 0            | 50 | 1      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P12  | 20x40      | 7.00    | 1742.25 | 8.1              | 7.3              | 1300       | 300        | 0.2      | 1.0      | 55          | 55          | 55           | 0            | 50 | 1      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P13  | 14x30      | 457.00  | 1547.75 | 14.8             | 13.2             | 300        | 100        | 0.1      | 0.3      | 55          | 55          | 55           | 0            | 55 | 1      | C25     | -40 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P14  | 14x30      | 907.00  | 1547.75 | 13.3             | 11.7             | 300        | 100        | 0.1      | 0.3      | 55          | 55          | 55           | 0            | 55 | 1      | C25     | -40 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P15  | 14x30      | 1357.00 | 1547.75 | 13.7             | 12.0             | 400        | 100        | 0.1      | 0.5      | 55          | 55          | 55           | 0            | 55 | 1      | C25     | -40 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P16  | 14x30      | 1807.00 | 1547.75 | 13.3             | 11.7             | 400        | 100        | 0.1      | 0.5      | 55          | 55          | 55           | 0            | 55 | 1      | C25     | -40 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P17  | 30x40      | 2267.25 | 1547.75 | 14.6             | 12.8             | 600        | 900        | 0.2      | 1.2      | 55          | 55          | 55           | 0            | 45 | 1      | C25     | -30 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P18  | 19x30      | 4527.50 | 1547.75 | 10.4             | 9.5              | 600        | 100        | 0.1      | 0.7      | 55          | 55          | 55           | 0            | 50 | 1      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P19  | 14x30      | 3177.50 | 1419.00 | 17.0             | 14.0             | 400        | 400        | 1.1      | 0.6      | 55          | 55          | 55           | 0            | 55 | 1      | C25     | -40 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P20  | 14x30      | 3627.50 | 1419.00 | 17.1             | 14.1             | 500        | 400        | 1.1      | 0.7      | 55          | 55          | 55           | 0            | 55 | 1      | C25     | -40 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P21  | 14x30      | 4077.50 | 1393.50 | 14.8             | 11.5             | 400        | 100        | 0.1      | 0.7      | 55          | 55          | 55           | 0            | 55 | 1      | C25     | -40 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P22  | 19x40      | 7.00    | 1351.25 | 10.7             | 7.6              | 1200       | 200        | 0.2      | 0.8      | 55          | 55          | 55           | 0            | 50 | 1      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P23  | 20x30      | 4077.50 | 1331.50 | 19.1             | 15.2             | 700        | 100        | 0.1      | 1.5      | 55          | 55          | 55           | 0            | 50 | 1      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P24  | 19x30      | 7.00    | 1191.50 | 13.4             | 10.4             | 500        | 300        | 0.9      | 0.8      | 55          | 55          | 55           | 0            | 50 | 1      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P25  | 19x30      | 457.00  | 1191.50 | 21.4             | 18.4             | 400        | 300        | 0.8      | 0.6      | 130         | 55          | 55           | 0            | 50 | 2      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P26  | 19x30      | 907.00  | 1191.50 | 14.7             | 12.9             | 400        | 100        | 0.1      | 0.6      | 55          | 55          | 55           | 0            | 50 | 2      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P27  | 19x30      | 1357.00 | 1191.50 | 17.2             | 15.5             | 400        | 100        | 0.1      | 0.6      | 55          | 55          | 55           | 0            | 50 | 2      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P28  | 19x30      | 1807.00 | 1191.50 | 15.4             | 13.5             | 500        | 100        | 0.2      | 0.6      | 55          | 55          | 55           | 0            | 50 | 2      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P29  | 30x40      | 2267.25 | 1191.50 | 17.8             | 15.6             | 500        | 400        | 0.2      | 0.7      | 55          | 55          | 55           | 0            | 45 | 2      | C25     | -30 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P30  | 19x30      | 2727.50 | 1191.50 | 17.0             | 14.0             | 500        | 100        | 0.2      | 0.5      | 55          | 55          | 55           | 0            | 50 | 1      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P31  | 19x30      | 3177.50 | 1191.50 | 12.9             | 10.4             | 400        | 200        | 0.4      | 0.5      | 55          | 55          | 55           | 0            | 50 | 1      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P32  | 19x30      | 3627.50 | 1191.50 | 14.4             | 11.4             | 500        | 200        | 0.3      | 0.5      | 55          | 55          | 55           | 0            | 50 | 1      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P33  | 19x30      | 4077.50 | 1186.50 | 20.2             | 17.4             | 500        | 400        | 0.8      | 1.1      | 130         | 55          | 55           | 0            | 50 | 2      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P34  | 19x30      | 4527.50 | 1191.50 | 17.2             | 15.8             | 600        | 400        | 1.2      | 0.8      | 55          | 55          | 55           | 0            | 50 | 1      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P35  | 19x30      | 7.00    | 849.00  | 9.4              | 6.8              | 500        | 200        | 0.4      | 1.2      | 0.7         | 55          | 55           | 0            | 50 | 1      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P36  | 19x30      | 457.00  | 849.00  | 14.2             | 11.4             | 400        | 200        | 0.4      | 0.7      | 55          | 55          | 55           | 0            | 50 | 1      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P37  | 19x30      | 907.00  | 849.00  | 4.1              | 2.8              | 400        | 100        | 1.3      | 0.6      | 55          | 55          | 55           | 0            | 50 | 1      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P38  | 19x30      | 7.00    | 731.50  | 14.4             | 10.6             | 600        | 200        | 0.1      | 1.3      | 55          | 55          | 55           | 0            | 50 | 1      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P39  | 19x30      | 457.00  | 731.50  | 20.8             | 17.3             | 800        | 100        | 0.1      | 1.7      | 130         | 55          | 55           | 0            | 50 | 2      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P40  | 19x30      | 907.00  | 731.50  | 15.5             | 13.8             | 700        | 100        | 0.1      | 1.6      | 55          | 55          | 55           | 0            | 50 | 2      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P41  | 19x30      | 1357.00 | 731.50  | 17.2             | 15.1             | 600        | 100        | 0.1      | 1.1      | 55          | 55          | 55           | 0            | 50 | 2      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P42  | 19x30      | 1807.00 | 731.50  | 18.2             | 15.9             | 600        | 100        | 0.1      | 1.1      | 55          | 55          | 55           | 0            | 50 | 2      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P43  | 30x40      | 2267.25 | 731.50  | 19.4             | 16.9             | 600        | 400        | 1.9      | 0.8      | 55          | 55          | 55           | 0            | 45 | 2      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P44  | 19x30      | 2727.50 | 731.50  | 18.8             | 16.3             | 500        | 400        | 1.0      | 0.7      | 55          | 55          | 55           | 0            | 50 | 1      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P45  | 19x30      | 3177.50 | 736.50  | 17.5             | 16.1             | 300        | 200        | 0.2      | 0.7      | 55          | 55          | 55           | 0            | 50 | 1      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P46  | 19x30      | 3627.50 | 736.50  | 14.1             | 12.5             | 300        | 300        | 0.8      | 0.2      | 55          | 55          | 55           | 0            | 50 | 1      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P47  | 19x30      | 4077.50 | 731.50  | 22.8             | 20.8             | 700        | 100        | 0.2      | 1.3      | 130         | 55          | 55           | 0            | 50 | 2      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P48  | 19x30      | 4527.50 | 731.50  | 19.7             | 18.2             | 800        | 100        | 0.2      | 1.5      | 130         | 55          | 55           | 0            | 50 | 2      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P49  | 20x30      | 3177.50 | 481.50  | 18.2             | 16.8             | 300        | 200        | 0.7      | 0.2      | 55          | 55          | 55           | 0            | 50 | 1      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P50  | 20x30      | 3627.50 | 481.50  | 16.8             | 15.5             | 300        | 200        | 0.6      | 0.2      | 55          | 55          | 55           | 0            | 50 | 1      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P51  | 19x30      | 7.00    | 441.50  | 12.8             | 11.7             | 400        | 600        | 1.5      | 0.5      | 55          | 55          | 55           | 0            | 50 | 1      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P52  | 19x30      | 457.00  | 441.50  | 15.3             | 14.1             | 600        | 400        | 1.2      | 1.3      | 55          | 55          | 55           | 0            | 50 | 1      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P53  | 30x40      | 2267.25 | 441.50  | 13.7             | 11.6             | 600        | 200        | 1.2      | 1.3      | 55          | 55          | 55           | 0            | 45 | 2      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P54  | 19x30      | 2727.50 | 441.50  | 14.5             | 12.7             | 600        | 100        | 0.1      | 0.8      | 55          | 55          | 55           | 0            | 50 | 1      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P55  | 19x30      | 4077.50 | 441.50  | 15.2             | 13.4             | 600        | 100        | 0.2      | 0.7      | 55          | 55          | 55           | 0            | 50 | 1      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P56  | 19x30      | 4527.50 | 441.50  | 8.7              | 7.8              | 700        | 100        | 0.1      | 1.1      | 55          | 55          | 55           | 0            | 50 | 1      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P57  | 14x30      | 907.00  | 416.50  | 13.0             | 11.0             | 500        | 100        | 0.1      | 1.1      | 55          | 55          | 55           | 0            | 55 | 1      | C25     | -40 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P58  | 19x30      | 7.00    | 101.50  | 8.5              | 6.3              | 400        | 200        | 0.4      | 0.6      | 55          | 55          | 55           | 0            | 50 | 1      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P59  | 19x30      | 457.00  | 101.50  | 15.4             | 13.7             | 200        | 100        | 0.1      | 0.2      | 55          | 55          | 55           | 0            | 50 | 1      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P60  | 19x30      | 907.00  | 101.50  | 12.2             | 10.9             | 300        | 100        | 0.1      | 0.3      | 55          | 55          | 55           | 0            | 50 | 1      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P61  | 19x30      | 1357.00 | 101.50  | 17.0             | 14.0             | 400        | 300        | 0.6      | 0.6      | 55          | 55          | 55           | 0            | 50 | 2      | C25     | -35 |        |         |    |        |         |    |        |         |    |        |         |  |  |
| P62  | 19x30      |         |         |                  |                  |            |            |          |          |             |             |              |              |    |        |         |     |        |         |    |        |         |    |        |         |    |        |         |  |  |