



# PROVINCIA DI BENEVENTO

settore edilizia e patrimonio

**Oggetto: LAVORI DI "ADEGUAMENTO SISMICO E  
RIQUALIFICAZIONE ENERGETICA DELL'EDIFICIO SEDE  
DEL LICEO SCIENTIFICO ED ISTITUTO AGRARIO DI  
GUARDIA SANFRAMONDI (BN) .**

**PROGETTO DEFINITIVO**

**TAV. RS3**

**RELAZIONE DI CALCOLO  
VERIFICA PILASTRI ESISTENTI**

PROGETTAZIONE:

SICUREZZA

COLLABORATORI TECNICI:

R.U.P.

# VERIFICA PER MECCANISMI POTENZIALMENTE DUTTILI (PRESSOFLESSIONE)

Lavoro: **Aule\_revPS\_NTC+ Par\_04\_q=2-5** Intestazione lavoro:  
 Elemento: **PILASTRO** Gruppo: **1** Tabella: **Pil\_C21\_Aq50\_FC1.2**  
 Descrizione: **Pilastri I impalcato**  
 Spunt. I **20.0** cm Spunt. J **20.0** cm  
 Rcm: **21.00** N/mm<sup>2</sup> fym: **380.0** N/mm<sup>2</sup> fatt. confidenza: **1.20**  
 Tensioni di calcolo: fcdm: **-12.34** N/mm<sup>2</sup> fydm: **316.7** N/mm<sup>2</sup>  
 Coefficienti parziali di sicurezza dei materiali:  $\gamma_c$ : **1.50**  $\gamma_s$ : **1.15**  $\gamma_{acc}$ : **0.85**  
 Coefficiente di fragilità a sforzo normale: **0.800**

**ASTA NUM. 3** NI 7 NF 8 SEZ. Rp B= 0.400 H= 0.600 (pilastro)

**PIL. NUM. 20**

Copriferro: 3.0 cm

| NC | x           | Fx      | My      | Mz   | APOST | AANT | AINF | ASUP    | My.Res. | Mz.Res. | I.R. | Note |
|----|-------------|---------|---------|------|-------|------|------|---------|---------|---------|------|------|
|    | cm          | kN      | kN*m    |      | cmq   |      |      |         | kN*m    |         | Fx,M |      |
| 1A | 0-594.456   | 11.601  | 71.770  | 4.62 | 4.62  | 3.08 | 3.08 | 55.991  | 238.578 | 0.30    |      |      |
| 1B | 0-594.456   | 11.601  | -60.128 | 4.62 | 4.62  | 3.08 | 3.08 | 55.991  | 218.035 | 0.28    |      |      |
| 1C | 0-594.456   | -24.169 | 71.770  | 4.62 | 4.62  | 3.08 | 3.08 | 103.549 | 238.578 | 0.30    |      |      |
| 1D | 0-594.456   | -24.169 | -60.128 | 4.62 | 4.62  | 3.08 | 3.08 | 103.549 | 218.035 | 0.28    |      |      |
| 1E | 0-532.744   | 11.601  | 71.770  | 4.62 | 4.62  | 3.08 | 3.08 | 61.550  | 250.009 | 0.29    |      |      |
| 1F | 0-532.744   | 11.601  | -60.128 | 4.62 | 4.62  | 3.08 | 3.08 | 61.550  | 231.008 | 0.26    |      |      |
| 1G | 0-532.744   | -24.169 | 71.770  | 4.62 | 4.62  | 3.08 | 3.08 | 112.544 | 250.009 | 0.29    |      |      |
| 1H | 0-532.744   | -24.169 | -60.128 | 4.62 | 4.62  | 3.08 | 3.08 | 112.544 | 231.008 | 0.26    |      |      |
| 1I | 0-580.640   | 34.808  | 46.381  | 4.62 | 4.62  | 3.08 | 3.08 | 136.543 | 188.608 | 0.25    |      |      |
| 1J | 0-580.640   | 34.808  | -34.739 | 4.62 | 4.62  | 3.08 | 3.08 | 136.543 | 152.957 | 0.25    |      |      |
| 1K | 0-580.640   | -47.376 | 46.381  | 4.62 | 4.62  | 3.08 | 3.08 | 163.046 | 188.608 | 0.29    |      |      |
| 1L | 0-580.640   | -47.376 | -34.739 | 4.62 | 4.62  | 3.08 | 3.08 | 163.046 | 152.957 | 0.29    |      |      |
| 1M | 0-546.560   | 34.808  | 46.381  | 4.62 | 4.62  | 3.08 | 3.08 | 141.845 | 196.305 | 0.25    |      |      |
| 1N | 0-546.560   | 34.808  | -34.739 | 4.62 | 4.62  | 3.08 | 3.08 | 141.845 | 160.179 | 0.25    |      |      |
| 1O | 0-546.560   | -47.376 | 46.381  | 4.62 | 4.62  | 3.08 | 3.08 | 167.928 | 196.305 | 0.28    |      |      |
| 1P | 0-546.560   | -47.376 | -34.739 | 4.62 | 4.62  | 3.08 | 3.08 | 167.928 | 160.179 | 0.28    |      |      |
| 1A | 70-594.456  | 11.601  | 71.770  | 4.62 | 4.62  | 3.08 | 3.08 | 55.991  | 238.578 | 0.30    |      |      |
| 1B | 70-594.456  | 11.601  | -60.128 | 4.62 | 4.62  | 3.08 | 3.08 | 55.991  | 218.035 | 0.28    |      |      |
| 1C | 70-594.456  | -24.169 | 71.770  | 4.62 | 4.62  | 3.08 | 3.08 | 103.549 | 238.578 | 0.30    |      |      |
| 1D | 70-594.456  | -24.169 | -60.128 | 4.62 | 4.62  | 3.08 | 3.08 | 103.549 | 218.035 | 0.28    |      |      |
| 1E | 70-532.744  | 11.601  | 71.770  | 4.62 | 4.62  | 3.08 | 3.08 | 61.550  | 250.009 | 0.29    |      |      |
| 1F | 70-532.744  | 11.601  | -60.128 | 4.62 | 4.62  | 3.08 | 3.08 | 61.550  | 231.008 | 0.26    |      |      |
| 1G | 70-532.744  | -24.169 | 71.770  | 4.62 | 4.62  | 3.08 | 3.08 | 112.544 | 250.009 | 0.29    |      |      |
| 1H | 70-532.744  | -24.169 | -60.128 | 4.62 | 4.62  | 3.08 | 3.08 | 112.544 | 231.008 | 0.26    |      |      |
| 1I | 70-580.640  | 34.808  | 46.381  | 4.62 | 4.62  | 3.08 | 3.08 | 136.543 | 188.608 | 0.25    |      |      |
| 1J | 70-580.640  | 34.808  | -34.739 | 4.62 | 4.62  | 3.08 | 3.08 | 136.543 | 152.957 | 0.25    |      |      |
| 1K | 70-580.640  | -47.376 | 46.381  | 4.62 | 4.62  | 3.08 | 3.08 | 163.046 | 188.608 | 0.29    |      |      |
| 1L | 70-580.640  | -47.376 | -34.739 | 4.62 | 4.62  | 3.08 | 3.08 | 163.046 | 152.957 | 0.29    |      |      |
| 1M | 70-546.560  | 34.808  | 46.381  | 4.62 | 4.62  | 3.08 | 3.08 | 141.845 | 196.305 | 0.25    |      |      |
| 1N | 70-546.560  | 34.808  | -34.739 | 4.62 | 4.62  | 3.08 | 3.08 | 141.845 | 160.179 | 0.25    |      |      |
| 1O | 70-546.560  | -47.376 | 46.381  | 4.62 | 4.62  | 3.08 | 3.08 | 167.928 | 196.305 | 0.28    |      |      |
| 1P | 70-546.560  | -47.376 | -34.739 | 4.62 | 4.62  | 3.08 | 3.08 | 167.928 | 160.179 | 0.28    |      |      |
| 1A | 86-593.527  | 10.289  | 61.845  | 4.62 | 4.62  | 3.08 | 3.08 | 50.331  | 221.618 | 0.28    |      |      |
| 1B | 86-593.527  | 10.289  | -52.867 | 4.62 | 4.62  | 3.08 | 3.08 | 50.331  | 202.364 | 0.26    |      |      |
| 1C | 86-593.527  | -21.778 | 61.845  | 4.62 | 4.62  | 3.08 | 3.08 | 95.529  | 221.618 | 0.28    |      |      |
| 1D | 86-593.527  | -21.778 | -52.867 | 4.62 | 4.62  | 3.08 | 3.08 | 95.529  | 202.364 | 0.26    |      |      |
| 1E | 86-531.816  | 10.289  | 61.845  | 4.62 | 4.62  | 3.08 | 3.08 | 55.562  | 234.411 | 0.26    |      |      |
| 1F | 86-531.816  | 10.289  | -52.867 | 4.62 | 4.62  | 3.08 | 3.08 | 55.562  | 215.924 | 0.24    |      |      |
| 1G | 86-531.816  | -21.778 | 61.845  | 4.62 | 4.62  | 3.08 | 3.08 | 104.133 | 234.411 | 0.26    |      |      |
| 1H | 86-531.816  | -21.778 | -52.867 | 4.62 | 4.62  | 3.08 | 3.08 | 104.133 | 215.924 | 0.24    |      |      |
| 1I | 86-579.711  | 31.097  | 39.753  | 4.62 | 4.62  | 3.08 | 3.08 | 126.832 | 169.446 | 0.25    |      |      |
| 1J | 86-579.711  | 31.097  | -30.776 | 4.62 | 4.62  | 3.08 | 3.08 | 126.832 | 139.222 | 0.25    |      |      |
| 1K | 86-579.711  | -42.586 | 39.753  | 4.62 | 4.62  | 3.08 | 3.08 | 154.234 | 169.446 | 0.28    |      |      |
| 1L | 86-579.711  | -42.586 | -30.776 | 4.62 | 4.62  | 3.08 | 3.08 | 154.234 | 139.222 | 0.28    |      |      |
| 1M | 86-545.631  | 31.097  | 39.753  | 4.62 | 4.62  | 3.08 | 3.08 | 132.114 | 176.988 | 0.24    |      |      |
| 1N | 86-545.631  | 31.097  | -30.776 | 4.62 | 4.62  | 3.08 | 3.08 | 132.114 | 146.217 | 0.24    |      |      |
| 1O | 86-545.631  | -42.586 | 39.753  | 4.62 | 4.62  | 3.08 | 3.08 | 159.364 | 176.988 | 0.27    |      |      |
| 1P | 86-545.631  | -42.586 | -30.776 | 4.62 | 4.62  | 3.08 | 3.08 | 159.364 | 146.217 | 0.27    |      |      |
| 1A | 274-582.385 | -5.450  | -57.259 | 4.62 | 4.62  | 3.08 | 3.08 | 28.460  | 214.575 | 0.27    |      |      |
| 1B | 274-582.385 | -5.450  | 34.263  | 4.62 | 4.62  | 3.08 | 3.08 | 28.460  | 150.979 | 0.23    |      |      |
| 1C | 274-582.385 | 6.919   | -57.259 | 4.62 | 4.62  | 3.08 | 3.08 | 35.576  | 214.575 | 0.27    |      |      |
| 1D | 274-582.385 | 6.919   | 34.263  | 4.62 | 4.62  | 3.08 | 3.08 | 35.576  | 150.979 | 0.23    |      |      |
| 1E | 274-520.673 | -5.450  | -57.259 | 4.62 | 4.62  | 3.08 | 3.08 | 31.673  | 227.999 | 0.25    |      |      |
| 1F | 274-520.673 | -5.450  | 34.263  | 4.62 | 4.62  | 3.08 | 3.08 | 31.673  | 164.389 | 0.21    |      |      |
| 1G | 274-520.673 | 6.919   | -57.259 | 4.62 | 4.62  | 3.08 | 3.08 | 39.522  | 227.999 | 0.25    |      |      |
| 1H | 274-520.673 | 6.919   | 34.263  | 4.62 | 4.62  | 3.08 | 3.08 | 39.522  | 164.389 | 0.21    |      |      |
| 1I | 274-568.569 | -13.433 | -39.780 | 4.62 | 4.62  | 3.08 | 3.08 | 66.124  | 171.934 | 0.23    |      |      |
| 1J | 274-568.569 | -13.433 | 16.785  | 4.62 | 4.62  | 3.08 | 3.08 | 66.124  | 84.649  | 0.21    |      |      |
| 1K | 274-568.569 | 14.901  | -39.780 | 4.62 | 4.62  | 3.08 | 3.08 | 72.328  | 171.934 | 0.23    |      |      |
| 1L | 274-568.569 | 14.901  | 16.785  | 4.62 | 4.62  | 3.08 | 3.08 | 72.328  | 84.649  | 0.21    |      |      |
| 1M | 274-534.489 | -13.433 | -39.780 | 4.62 | 4.62  | 3.08 | 3.08 | 69.768  | 179.664 | 0.22    |      |      |
| 1N | 274-534.489 | -13.433 | 16.785  | 4.62 | 4.62  | 3.08 | 3.08 | 69.768  | 89.416  | 0.20    |      |      |
| 1O | 274-534.489 | 14.901  | -39.780 | 4.62 | 4.62  | 3.08 | 3.08 | 76.236  | 179.664 | 0.22    |      |      |
| 1P | 274-534.489 | 14.901  | 16.785  | 4.62 | 4.62  | 3.08 | 3.08 | 76.236  | 89.416  | 0.20    |      |      |
| 1A | 290-581.456 | -7.105  | -66.336 | 4.62 | 4.62  | 3.08 | 3.08 | 36.537  | 232.242 | 0.29    |      |      |
| 1B | 290-581.456 | -7.105  | 42.372  | 4.62 | 4.62  | 3.08 | 3.08 | 36.537  | 177.012 | 0.24    |      |      |
| 1C | 290-581.456 | 8.967   | -66.336 | 4.62 | 4.62  | 3.08 | 3.08 | 45.210  | 232.242 | 0.29    |      |      |
| 1D | 290-581.456 | 8.967   | 42.372  | 4.62 | 4.62  | 3.08 | 3.08 | 45.210  | 177.012 | 0.24    |      |      |
| 1E | 290-519.744 | -7.105  | -66.336 | 4.62 | 4.62  | 3.08 | 3.08 | 40.582  | 244.525 | 0.27    |      |      |
| 1F | 290-519.744 | -7.105  | 42.372  | 4.62 | 4.62  | 3.08 | 3.08 | 40.582  | 191.200 | 0.22    |      |      |

|    |             |         |         |      |      |      |      |        |         |      |
|----|-------------|---------|---------|------|------|------|------|--------|---------|------|
| 1G | 290-519.744 | 8.967   | -66.336 | 4.62 | 4.62 | 3.08 | 3.08 | 50.109 | 244.525 | 0.27 |
| 1H | 290-519.744 | 8.967   | 42.372  | 4.62 | 4.62 | 3.08 | 3.08 | 50.109 | 191.200 | 0.22 |
| 1I | 290-567.640 | -17.487 | -45.560 | 4.62 | 4.62 | 3.08 | 3.08 | 82.748 | 189.217 | 0.24 |
| 1J | 290-567.640 | -17.487 | 21.596  | 4.62 | 4.62 | 3.08 | 3.08 | 82.748 | 105.521 | 0.21 |
| 1K | 290-567.640 | 19.348  | -45.560 | 4.62 | 4.62 | 3.08 | 3.08 | 89.979 | 189.217 | 0.24 |
| 1L | 290-567.640 | 19.348  | 21.596  | 4.62 | 4.62 | 3.08 | 3.08 | 89.979 | 105.521 | 0.21 |
| 1M | 290-533.560 | -17.487 | -45.560 | 4.62 | 4.62 | 3.08 | 3.08 | 87.123 | 197.085 | 0.23 |
| 1N | 290-533.560 | -17.487 | 21.596  | 4.62 | 4.62 | 3.08 | 3.08 | 87.123 | 111.262 | 0.20 |
| 1O | 290-533.560 | 19.348  | -45.560 | 4.62 | 4.62 | 3.08 | 3.08 | 94.626 | 197.085 | 0.23 |
| 1P | 290-533.560 | 19.348  | 21.596  | 4.62 | 4.62 | 3.08 | 3.08 | 94.626 | 111.262 | 0.20 |

ASTA NUM. 4 NI 9 NF 10 SEZ. Rp B= 0.400 H= 0.600 (pilastro)

PIL. NUM. 14

Copriferro: 3.0 cm

| NC | x            | Fx      | My      | Mz | APOST | AANT | AINF | ASUP | My.Res. | Mz.Res. | I.R. | Note |
|----|--------------|---------|---------|----|-------|------|------|------|---------|---------|------|------|
|    | cm           | kN      | kN*m    |    |       |      |      |      |         |         | Fx,M |      |
| 1A | 0-1077.656   | 39.035  | 54.406  |    | 4.62  | 4.62 | 3.08 | 3.08 | 94.541  | 133.630 | 0.41 |      |
| 1B | 0-1077.656   | 39.035  | -30.866 |    | 4.62  | 4.62 | 3.08 | 3.08 | 94.541  | 82.396  | 0.41 |      |
| 1C | 0-1077.656   | -25.311 | 54.406  |    | 4.62  | 4.62 | 3.08 | 3.08 | 65.785  | 133.630 | 0.41 |      |
| 1D | 0-1077.656   | -25.311 | -30.866 |    | 4.62  | 4.62 | 3.08 | 3.08 | 65.785  | 82.396  | 0.40 |      |
| 1E | 0-911.544    | 39.035  | 54.406  |    | 4.62  | 4.62 | 3.08 | 3.08 | 107.779 | 152.674 | 0.36 |      |
| 1F | 0-911.544    | 39.035  | -30.866 |    | 4.62  | 4.62 | 3.08 | 3.08 | 107.779 | 95.525  | 0.36 |      |
| 1G | 0-911.544    | -25.311 | 54.406  |    | 4.62  | 4.62 | 3.08 | 3.08 | 75.976  | 152.674 | 0.36 |      |
| 1H | 0-911.544    | -25.311 | -30.866 |    | 4.62  | 4.62 | 3.08 | 3.08 | 75.976  | 95.525  | 0.34 |      |
| 1I | 0-1084.145   | 77.675  | 39.685  |    | 4.62  | 4.62 | 3.08 | 3.08 | 152.088 | 102.063 | 0.51 |      |
| 1J | 0-1084.145   | 77.675  | -16.145 |    | 4.62  | 4.62 | 3.08 | 3.08 | 152.088 | 45.180  | 0.51 |      |
| 1K | 0-1084.145   | -63.951 | 39.685  |    | 4.62  | 4.62 | 3.08 | 3.08 | 135.127 | 102.063 | 0.47 |      |
| 1L | 0-1084.145   | -63.951 | -16.145 |    | 4.62  | 4.62 | 3.08 | 3.08 | 135.127 | 45.180  | 0.47 |      |
| 1M | 0-905.055    | 77.675  | 39.685  |    | 4.62  | 4.62 | 3.08 | 3.08 | 167.138 | 119.045 | 0.46 |      |
| 1N | 0-905.055    | 77.675  | -16.145 |    | 4.62  | 4.62 | 3.08 | 3.08 | 167.138 | 53.596  | 0.46 |      |
| 1O | 0-905.055    | -63.951 | 39.685  |    | 4.62  | 4.62 | 3.08 | 3.08 | 150.891 | 119.045 | 0.42 |      |
| 1P | 0-905.055    | -63.951 | -16.145 |    | 4.62  | 4.62 | 3.08 | 3.08 | 150.891 | 53.596  | 0.42 |      |
| 1A | 70-1077.656  | 39.035  | 54.406  |    | 4.62  | 4.62 | 3.08 | 3.08 | 94.541  | 133.630 | 0.41 |      |
| 1B | 70-1077.656  | 39.035  | -30.866 |    | 4.62  | 4.62 | 3.08 | 3.08 | 94.541  | 82.396  | 0.41 |      |
| 1C | 70-1077.656  | -25.311 | 54.406  |    | 4.62  | 4.62 | 3.08 | 3.08 | 65.785  | 133.630 | 0.41 |      |
| 1D | 70-1077.656  | -25.311 | -30.866 |    | 4.62  | 4.62 | 3.08 | 3.08 | 65.785  | 82.396  | 0.40 |      |
| 1E | 70-911.544   | 39.035  | 54.406  |    | 4.62  | 4.62 | 3.08 | 3.08 | 107.779 | 152.674 | 0.36 |      |
| 1F | 70-911.544   | 39.035  | -30.866 |    | 4.62  | 4.62 | 3.08 | 3.08 | 107.779 | 95.525  | 0.36 |      |
| 1G | 70-911.544   | -25.311 | 54.406  |    | 4.62  | 4.62 | 3.08 | 3.08 | 75.976  | 152.674 | 0.36 |      |
| 1H | 70-911.544   | -25.311 | -30.866 |    | 4.62  | 4.62 | 3.08 | 3.08 | 75.976  | 95.525  | 0.34 |      |
| 1I | 70-1084.145  | 77.675  | 39.685  |    | 4.62  | 4.62 | 3.08 | 3.08 | 152.088 | 102.063 | 0.51 |      |
| 1J | 70-1084.145  | 77.675  | -16.145 |    | 4.62  | 4.62 | 3.08 | 3.08 | 152.088 | 45.180  | 0.51 |      |
| 1K | 70-1084.145  | -63.951 | 39.685  |    | 4.62  | 4.62 | 3.08 | 3.08 | 135.127 | 102.063 | 0.47 |      |
| 1L | 70-1084.145  | -63.951 | -16.145 |    | 4.62  | 4.62 | 3.08 | 3.08 | 135.127 | 45.180  | 0.47 |      |
| 1M | 70-905.055   | 77.675  | 39.685  |    | 4.62  | 4.62 | 3.08 | 3.08 | 167.138 | 119.045 | 0.46 |      |
| 1N | 70-905.055   | 77.675  | -16.145 |    | 4.62  | 4.62 | 3.08 | 3.08 | 167.138 | 53.596  | 0.46 |      |
| 1O | 70-905.055   | -63.951 | 39.685  |    | 4.62  | 4.62 | 3.08 | 3.08 | 150.891 | 119.045 | 0.42 |      |
| 1P | 70-905.055   | -63.951 | -16.145 |    | 4.62  | 4.62 | 3.08 | 3.08 | 150.891 | 53.596  | 0.42 |      |
| 1A | 86-1076.727  | 35.473  | 48.349  |    | 4.62  | 4.62 | 3.08 | 3.08 | 87.498  | 121.435 | 0.40 |      |
| 1B | 86-1076.727  | 35.473  | -26.831 |    | 4.62  | 4.62 | 3.08 | 3.08 | 87.498  | 72.811  | 0.40 |      |
| 1C | 86-1076.727  | -22.134 | 48.349  |    | 4.62  | 4.62 | 3.08 | 3.08 | 58.639  | 121.435 | 0.40 |      |
| 1D | 86-1076.727  | -22.134 | -26.831 |    | 4.62  | 4.62 | 3.08 | 3.08 | 58.639  | 72.811  | 0.40 |      |
| 1E | 86-910.615   | 35.473  | 48.349  |    | 4.62  | 4.62 | 3.08 | 3.08 | 100.213 | 139.235 | 0.35 |      |
| 1F | 86-910.615   | 35.473  | -26.831 |    | 4.62  | 4.62 | 3.08 | 3.08 | 100.213 | 84.505  | 0.35 |      |
| 1G | 86-910.615   | -22.134 | 48.349  |    | 4.62  | 4.62 | 3.08 | 3.08 | 67.781  | 139.235 | 0.35 |      |
| 1H | 86-910.615   | -22.134 | -26.831 |    | 4.62  | 4.62 | 3.08 | 3.08 | 67.781  | 84.505  | 0.34 |      |
| 1I | 86-1083.216  | 70.052  | 35.269  |    | 4.62  | 4.62 | 3.08 | 3.08 | 143.188 | 92.305  | 0.49 |      |
| 1J | 86-1083.216  | 70.052  | -13.751 |    | 4.62  | 4.62 | 3.08 | 3.08 | 143.188 | 38.893  | 0.49 |      |
| 1K | 86-1083.216  | -56.713 | 35.269  |    | 4.62  | 4.62 | 3.08 | 3.08 | 124.728 | 92.305  | 0.45 |      |
| 1L | 86-1083.216  | -56.713 | -13.751 |    | 4.62  | 4.62 | 3.08 | 3.08 | 124.728 | 38.893  | 0.45 |      |
| 1M | 86-904.126   | 70.052  | 35.269  |    | 4.62  | 4.62 | 3.08 | 3.08 | 158.752 | 107.812 | 0.44 |      |
| 1N | 86-904.126   | 70.052  | -13.751 |    | 4.62  | 4.62 | 3.08 | 3.08 | 158.752 | 46.098  | 0.44 |      |
| 1O | 86-904.126   | -56.713 | 35.269  |    | 4.62  | 4.62 | 3.08 | 3.08 | 140.517 | 107.812 | 0.40 |      |
| 1P | 86-904.126   | -56.713 | -13.751 |    | 4.62  | 4.62 | 3.08 | 3.08 | 140.517 | 46.098  | 0.40 |      |
| 1A | 274-1065.585 | -7.267  | -24.341 |    | 4.62  | 4.62 | 3.08 | 3.08 | 21.015  | 67.266  | 0.40 |      |
| 1B | 274-1065.585 | -7.267  | 21.594  |    | 4.62  | 4.62 | 3.08 | 3.08 | 21.015  | 60.224  | 0.40 |      |
| 1C | 274-1065.585 | 15.986  | -24.341 |    | 4.62  | 4.62 | 3.08 | 3.08 | 44.072  | 67.266  | 0.40 |      |
| 1D | 274-1065.585 | 15.986  | 21.594  |    | 4.62  | 4.62 | 3.08 | 3.08 | 44.072  | 60.224  | 0.40 |      |
| 1E | 274-899.473  | -7.267  | -24.341 |    | 4.62  | 4.62 | 3.08 | 3.08 | 24.676  | 78.302  | 0.34 |      |
| 1F | 274-899.473  | -7.267  | 21.594  |    | 4.62  | 4.62 | 3.08 | 3.08 | 24.676  | 70.388  | 0.34 |      |
| 1G | 274-899.473  | 15.986  | -24.341 |    | 4.62  | 4.62 | 3.08 | 3.08 | 51.480  | 78.302  | 0.34 |      |
| 1H | 274-899.473  | 15.986  | 21.594  |    | 4.62  | 4.62 | 3.08 | 3.08 | 51.480  | 70.388  | 0.34 |      |
| 1I | 274-1072.074 | -21.420 | -17.729 |    | 4.62  | 4.62 | 3.08 | 3.08 | 57.176  | 49.911  | 0.40 |      |
| 1J | 274-1072.074 | -21.420 | 14.982  |    | 4.62  | 4.62 | 3.08 | 3.08 | 57.176  | 42.507  | 0.40 |      |
| 1K | 274-1072.074 | 30.139  | -17.729 |    | 4.62  | 4.62 | 3.08 | 3.08 | 76.775  | 49.911  | 0.40 |      |
| 1L | 274-1072.074 | 30.139  | 14.982  |    | 4.62  | 4.62 | 3.08 | 3.08 | 76.775  | 42.507  | 0.40 |      |
| 1M | 274-892.984  | -21.420 | -17.729 |    | 4.62  | 4.62 | 3.08 | 3.08 | 67.003  | 59.087  | 0.34 |      |
| 1N | 274-892.984  | -21.420 | 14.982  |    | 4.62  | 4.62 | 3.08 | 3.08 | 67.003  | 50.593  | 0.34 |      |
| 1O | 274-892.984  | 30.139  | -17.729 |    | 4.62  | 4.62 | 3.08 | 3.08 | 89.254  | 59.087  | 0.34 |      |
| 1P | 274-892.984  | 30.139  | 14.982  |    | 4.62  | 4.62 | 3.08 | 3.08 | 89.254  | 50.593  | 0.34 |      |
| 1A | 290-1064.656 | -10.952 | -29.756 |    | 4.62  | 4.62 | 3.08 | 3.08 | 31.151  | 80.607  | 0.40 |      |
| 1B | 290-1064.656 | -10.952 | 26.272  |    | 4.62  | 4.62 | 3.08 | 3.08 | 31.151  | 72.170  | 0.40 |      |
| 1C | 290-1064.656 | 19.041  | -29.756 |    | 4.62  | 4.62 | 3.08 | 3.08 | 51.771  | 80.607  | 0.40 |      |
| 1D | 290-1064.656 | 19.041  | 26.272  |    | 4.62  | 4.62 | 3.08 | 3.08 | 51.771  | 72.170  | 0.40 |      |
| 1E | 290-898.544  | -10.952 | -29.756 |    | 4.62  | 4.62 | 3.08 | 3.08 | 36.446  | 93.685  | 0.34 |      |
| 1F | 290-898.544  | -10.952 | 26.272  |    | 4.62  | 4.62 | 3.08 | 3.08 | 36.446  | 83.929  | 0.34 |      |
| 1G | 290-898.544  | 19.041  | -29.756 |    | 4.62  | 4.62 | 3.08 | 3.08 | 60.079  | 93.685  | 0.34 |      |
| 1H | 290-898.544  | 19.041  | 26.272  |    | 4.62  | 4.62 | 3.08 | 3.08 | 60.079  | 83.929  | 0.34 |      |
| 1I | 290-1071.145 | -29.165 | -21.503 |    | 4.62  | 4.62 | 3.08 | 3.08 | 74.722  | 59.698  | 0.40 |      |
| 1J | 290-1071.145 | -29.165 | 18.019  |    | 4.62  | 4.62 | 3.08 | 3.08 | 74.722  | 50.723  | 0.40 |      |
| 1K | 290-1071.145 | 37.254  | -21.503 |    | 4.62  | 4.62 | 3.08 | 3.08 | 91.474  | 59.698  | 0.41 |      |

|    |              |         |         |      |      |      |      |         |        |      |
|----|--------------|---------|---------|------|------|------|------|---------|--------|------|
| 1L | 290-1071.145 | 37.254  | 18.019  | 4.62 | 4.62 | 3.08 | 3.08 | 91.474  | 50.723 | 0.41 |
| 1M | 290-892.055  | -29.165 | -21.503 | 4.62 | 4.62 | 3.08 | 3.08 | 86.946  | 70.648 | 0.34 |
| 1N | 290-892.055  | -29.165 | 18.019  | 4.62 | 4.62 | 3.08 | 3.08 | 86.946  | 60.045 | 0.34 |
| 1O | 290-892.055  | 37.254  | -21.503 | 4.62 | 4.62 | 3.08 | 3.08 | 105.735 | 70.648 | 0.35 |
| 1P | 290-892.055  | 37.254  | 18.019  | 4.62 | 4.62 | 3.08 | 3.08 | 105.735 | 60.045 | 0.35 |

ASTA NUM. 5 NI 11 NF 12 SEZ. Rp B= 0.400 H= 0.600 (pilastro)

PIL. NUM. 15

Copriferro: 3.0 cm

| NC | x            | Fx      | My      | Mz   | APOST | AANT | AINF | ASUP    | My.Res. | Mz.Res. | I.R. | Note |
|----|--------------|---------|---------|------|-------|------|------|---------|---------|---------|------|------|
|    | cm           | kN      | kN*m    |      | cmq   |      |      |         | kN*m    |         | Fx,M |      |
| 1A | 0-1124.718   | 29.712  | 60.100  | 4.62 | 4.62  | 3.08 | 3.08 | 72.821  | 139.960 | 0.43    |      |      |
| 1B | 0-1124.718   | 29.712  | -51.968 | 4.62 | 4.62  | 3.08 | 3.08 | 72.821  | 124.358 | 0.42    |      |      |
| 1C | 0-1124.718   | -12.206 | 60.100  | 4.62 | 4.62  | 3.08 | 3.08 | 32.642  | 139.960 | 0.43    |      |      |
| 1D | 0-1124.718   | -12.206 | -51.968 | 4.62 | 4.62  | 3.08 | 3.08 | 32.642  | 124.358 | 0.42    |      |      |
| 1E | 0-1031.282   | 29.712  | 60.100  | 4.62 | 4.62  | 3.08 | 3.08 | 78.380  | 149.859 | 0.40    |      |      |
| 1F | 0-1031.282   | 29.712  | -51.968 | 4.62 | 4.62  | 3.08 | 3.08 | 78.380  | 133.426 | 0.39    |      |      |
| 1G | 0-1031.282   | -12.206 | 60.100  | 4.62 | 4.62  | 3.08 | 3.08 | 35.451  | 149.859 | 0.40    |      |      |
| 1H | 0-1031.282   | -12.206 | -51.968 | 4.62 | 4.62  | 3.08 | 3.08 | 35.451  | 133.426 | 0.39    |      |      |
| 1I | 0-1121.554   | 57.483  | 40.878  | 4.62 | 4.62  | 3.08 | 3.08 | 122.890 | 101.683 | 0.47    |      |      |
| 1J | 0-1121.554   | 57.483  | -32.746 | 4.62 | 4.62  | 3.08 | 3.08 | 122.890 | 83.821  | 0.47    |      |      |
| 1K | 0-1121.554   | -39.977 | 40.878  | 4.62 | 4.62  | 3.08 | 3.08 | 93.319  | 101.683 | 0.43    |      |      |
| 1L | 0-1121.554   | -39.977 | -32.746 | 4.62 | 4.62  | 3.08 | 3.08 | 93.319  | 83.821  | 0.43    |      |      |
| 1M | 0-1034.446   | 57.483  | 40.878  | 4.62 | 4.62  | 3.08 | 3.08 | 129.903 | 109.013 | 0.44    |      |      |
| 1N | 0-1034.446   | 57.483  | -32.746 | 4.62 | 4.62  | 3.08 | 3.08 | 129.903 | 90.049  | 0.44    |      |      |
| 1O | 0-1034.446   | -39.977 | 40.878  | 4.62 | 4.62  | 3.08 | 3.08 | 99.580  | 109.013 | 0.40    |      |      |
| 1P | 0-1034.446   | -39.977 | -32.746 | 4.62 | 4.62  | 3.08 | 3.08 | 99.580  | 90.049  | 0.40    |      |      |
| 1A | 70-1124.718  | 29.712  | 60.100  | 4.62 | 4.62  | 3.08 | 3.08 | 72.821  | 139.960 | 0.43    |      |      |
| 1B | 70-1124.718  | 29.712  | -51.968 | 4.62 | 4.62  | 3.08 | 3.08 | 72.821  | 124.358 | 0.42    |      |      |
| 1C | 70-1124.718  | -12.206 | 60.100  | 4.62 | 4.62  | 3.08 | 3.08 | 32.642  | 139.960 | 0.43    |      |      |
| 1D | 70-1124.718  | -12.206 | -51.968 | 4.62 | 4.62  | 3.08 | 3.08 | 32.642  | 124.358 | 0.42    |      |      |
| 1E | 70-1031.282  | 29.712  | 60.100  | 4.62 | 4.62  | 3.08 | 3.08 | 78.380  | 149.859 | 0.40    |      |      |
| 1F | 70-1031.282  | 29.712  | -51.968 | 4.62 | 4.62  | 3.08 | 3.08 | 78.380  | 133.426 | 0.39    |      |      |
| 1G | 70-1031.282  | -12.206 | 60.100  | 4.62 | 4.62  | 3.08 | 3.08 | 35.451  | 149.859 | 0.40    |      |      |
| 1H | 70-1031.282  | -12.206 | -51.968 | 4.62 | 4.62  | 3.08 | 3.08 | 35.451  | 133.426 | 0.39    |      |      |
| 1I | 70-1121.554  | 57.483  | 40.878  | 4.62 | 4.62  | 3.08 | 3.08 | 122.890 | 101.683 | 0.47    |      |      |
| 1J | 70-1121.554  | 57.483  | -32.746 | 4.62 | 4.62  | 3.08 | 3.08 | 122.890 | 83.821  | 0.47    |      |      |
| 1K | 70-1121.554  | -39.977 | 40.878  | 4.62 | 4.62  | 3.08 | 3.08 | 93.319  | 101.683 | 0.43    |      |      |
| 1L | 70-1121.554  | -39.977 | -32.746 | 4.62 | 4.62  | 3.08 | 3.08 | 93.319  | 83.821  | 0.43    |      |      |
| 1M | 70-1034.446  | 57.483  | 40.878  | 4.62 | 4.62  | 3.08 | 3.08 | 129.903 | 109.013 | 0.44    |      |      |
| 1N | 70-1034.446  | 57.483  | -32.746 | 4.62 | 4.62  | 3.08 | 3.08 | 129.903 | 90.049  | 0.44    |      |      |
| 1O | 70-1034.446  | -39.977 | 40.878  | 4.62 | 4.62  | 3.08 | 3.08 | 99.580  | 109.013 | 0.40    |      |      |
| 1P | 70-1034.446  | -39.977 | -32.746 | 4.62 | 4.62  | 3.08 | 3.08 | 99.580  | 90.049  | 0.40    |      |      |
| 1A | 86-1123.861  | 27.269  | 51.981  | 4.62 | 4.62  | 3.08 | 3.08 | 67.675  | 124.462 | 0.42    |      |      |
| 1B | 86-1123.861  | 27.269  | -46.638 | 4.62 | 4.62  | 3.08 | 3.08 | 67.675  | 113.646 | 0.42    |      |      |
| 1C | 86-1123.861  | -10.267 | 51.981  | 4.62 | 4.62  | 3.08 | 3.08 | 27.807  | 124.462 | 0.42    |      |      |
| 1D | 86-1123.861  | -10.267 | -46.638 | 4.62 | 4.62  | 3.08 | 3.08 | 27.807  | 113.646 | 0.42    |      |      |
| 1E | 86-1030.425  | 27.269  | 51.981  | 4.62 | 4.62  | 3.08 | 3.08 | 72.931  | 133.544 | 0.39    |      |      |
| 1F | 86-1030.425  | 27.269  | -46.638 | 4.62 | 4.62  | 3.08 | 3.08 | 72.931  | 122.241 | 0.39    |      |      |
| 1G | 86-1030.425  | -10.267 | 51.981  | 4.62 | 4.62  | 3.08 | 3.08 | 30.221  | 133.544 | 0.39    |      |      |
| 1H | 86-1030.425  | -10.267 | -46.638 | 4.62 | 4.62  | 3.08 | 3.08 | 30.221  | 122.241 | 0.39    |      |      |
| 1I | 86-1120.697  | 52.139  | 35.023  | 4.62 | 4.62  | 3.08 | 3.08 | 114.650 | 89.033  | 0.45    |      |      |
| 1J | 86-1120.697  | 52.139  | -29.680 | 4.62 | 4.62  | 3.08 | 3.08 | 114.650 | 76.788  | 0.45    |      |      |
| 1K | 86-1120.697  | -35.138 | 35.023  | 4.62 | 4.62  | 3.08 | 3.08 | 83.974  | 89.033  | 0.42    |      |      |
| 1L | 86-1120.697  | -35.138 | -29.680 | 4.62 | 4.62  | 3.08 | 3.08 | 83.974  | 76.788  | 0.42    |      |      |
| 1M | 86-1033.589  | 52.139  | 35.023  | 4.62 | 4.62  | 3.08 | 3.08 | 121.523 | 95.582  | 0.43    |      |      |
| 1N | 86-1033.589  | 52.139  | -29.680 | 4.62 | 4.62  | 3.08 | 3.08 | 121.523 | 82.586  | 0.43    |      |      |
| 1O | 86-1033.589  | -35.138 | 35.023  | 4.62 | 4.62  | 3.08 | 3.08 | 89.786  | 95.582  | 0.39    |      |      |
| 1P | 86-1033.589  | -35.138 | -29.680 | 4.62 | 4.62  | 3.08 | 3.08 | 89.786  | 82.586  | 0.39    |      |      |
| 1A | 274-1113.575 | -2.050  | -45.453 | 4.62 | 4.62  | 3.08 | 3.08 | 5.596   | 112.064 | 0.42    |      |      |
| 1B | 274-1113.575 | -2.050  | 17.323  | 4.62 | 4.62  | 3.08 | 3.08 | 5.596   | 47.100  | 0.42    |      |      |
| 1C | 274-1113.575 | 12.996  | -45.453 | 4.62 | 4.62  | 3.08 | 3.08 | 34.983  | 112.064 | 0.42    |      |      |
| 1D | 274-1113.575 | 12.996  | 17.323  | 4.62 | 4.62  | 3.08 | 3.08 | 34.983  | 47.100  | 0.42    |      |      |
| 1E | 274-1020.139 | -2.050  | -45.453 | 4.62 | 4.62  | 3.08 | 3.08 | 6.147   | 120.651 | 0.38    |      |      |
| 1F | 274-1020.139 | -2.050  | 17.323  | 4.62 | 4.62  | 3.08 | 3.08 | 6.147   | 51.172  | 0.38    |      |      |
| 1G | 274-1020.139 | 12.996  | -45.453 | 4.62 | 4.62  | 3.08 | 3.08 | 37.995  | 120.651 | 0.38    |      |      |
| 1H | 274-1020.139 | 12.996  | 17.323  | 4.62 | 4.62  | 3.08 | 3.08 | 37.995  | 51.172  | 0.38    |      |      |
| 1I | 274-1110.411 | -11.987 | -35.243 | 4.62 | 4.62  | 3.08 | 3.08 | 32.477  | 90.259  | 0.42    |      |      |
| 1J | 274-1110.411 | -11.987 | 7.113   | 4.62 | 4.62  | 3.08 | 3.08 | 32.477  | 19.974  | 0.42    |      |      |
| 1K | 274-1110.411 | 22.934  | -35.243 | 4.62 | 4.62  | 3.08 | 3.08 | 58.882  | 90.259  | 0.42    |      |      |
| 1L | 274-1110.411 | 22.934  | 7.113   | 4.62 | 4.62  | 3.08 | 3.08 | 58.882  | 19.974  | 0.42    |      |      |
| 1M | 274-1023.303 | -11.987 | -35.243 | 4.62 | 4.62  | 3.08 | 3.08 | 35.106  | 96.947  | 0.38    |      |      |
| 1N | 274-1023.303 | -11.987 | 7.113   | 4.62 | 4.62  | 3.08 | 3.08 | 35.106  | 21.690  | 0.38    |      |      |
| 1O | 274-1023.303 | 22.934  | -35.243 | 4.62 | 4.62  | 3.08 | 3.08 | 63.134  | 96.947  | 0.38    |      |      |
| 1P | 274-1023.303 | 22.934  | 7.113   | 4.62 | 4.62  | 3.08 | 3.08 | 63.134  | 21.690  | 0.38    |      |      |
| 1A | 290-1112.718 | -4.653  | -52.685 | 4.62 | 4.62  | 3.08 | 3.08 | 12.926  | 126.899 | 0.42    |      |      |
| 1B | 290-1112.718 | -4.653  | 23.541  | 4.62 | 4.62  | 3.08 | 3.08 | 12.926  | 62.678  | 0.42    |      |      |
| 1C | 290-1112.718 | 14.775  | -52.685 | 4.62 | 4.62  | 3.08 | 3.08 | 39.494  | 126.899 | 0.42    |      |      |
| 1D | 290-1112.718 | 14.775  | 23.541  | 4.62 | 4.62  | 3.08 | 3.08 | 39.494  | 62.678  | 0.42    |      |      |
| 1E | 290-1019.282 | -4.653  | -52.685 | 4.62 | 4.62  | 3.08 | 3.08 | 14.150  | 136.230 | 0.39    |      |      |
| 1F | 290-1019.282 | -4.653  | 23.541  | 4.62 | 4.62  | 3.08 | 3.08 | 14.150  | 67.945  | 0.38    |      |      |
| 1G | 290-1019.282 | 14.775  | -52.685 | 4.62 | 4.62  | 3.08 | 3.08 | 42.840  | 136.230 | 0.39    |      |      |
| 1H | 290-1019.282 | 14.775  | 23.541  | 4.62 | 4.62  | 3.08 | 3.08 | 42.840  | 67.945  | 0.38    |      |      |
| 1I | 290-1109.554 | -17.492 | -40.211 | 4.62 | 4.62  | 3.08 | 3.08 | 46.140  | 101.183 | 0.42    |      |      |
| 1J | 290-1109.554 | -17.492 | 11.067  | 4.62 | 4.62  | 3.08 | 3.08 | 46.140  | 30.876  | 0.42    |      |      |
| 1K | 290-1109.554 | 27.613  | -40.211 | 4.62 | 4.62  | 3.08 | 3.08 | 69.178  | 101.183 | 0.42    |      |      |
| 1L | 290-1109.554 | 27.613  | 11.067  | 4.62 | 4.62  | 3.08 | 3.08 | 69.178  | 30.876  | 0.42    |      |      |
| 1M | 290-1022.446 | -17.492 | -40.211 | 4.62 | 4.62  | 3.08 | 3.08 | 49.728  | 108.569 | 0.38    |      |      |
| 1N | 290-1022.446 | -17.492 | 11.067  | 4.62 | 4.62  | 3.08 | 3.08 | 49.728  | 33.314  | 0.38    |      |      |
| 1O | 290-1022.446 | 27.613  | -40.211 | 4.62 | 4.62  | 3.08 | 3.08 | 74.205  | 108.569 | 0.38    |      |      |
| 1P | 290-1022.446 | 27.613  | 11.067  | 4.62 | 4.62  | 3.08 | 3.08 | 74.205  | 33.314  | 0.38    |      |      |

ASTA NUM. 12 NI 25 NF 26 SEZ. Rp B= 0.600 H= 0.300 (pilastro)

PIL. NUM. 24

Copriferro: 3.0 cm

| NC | x                  | Fx      | My     | Mz   | APOST | AANT | AINF | ASUP    | My.Res. | Mz.Res. | I.R.  | Note |
|----|--------------------|---------|--------|------|-------|------|------|---------|---------|---------|-------|------|
|    | cm                 | kN      | kN*m   |      |       | cmq  |      |         | kN*m    |         | Fx, M |      |
| 1A | 0-877.052          | 52.057  | 18.159 | 3.08 | 3.08  | 4.62 | 4.62 | 117.695 | 43.624  | 0.44    |       |      |
| 1B | 0-877.052          | 52.057  | 3.501  | 3.08 | 3.08  | 4.62 | 4.62 | 117.695 | 9.510   | 0.44    |       |      |
| 1C | 0-877.052          | -53.351 | 18.159 | 3.08 | 3.08  | 4.62 | 4.62 | 119.968 | 43.624  | 0.44    |       |      |
| 1D | 0-877.052          | -53.351 | 3.501  | 3.08 | 3.08  | 4.62 | 4.62 | 119.968 | 9.510   | 0.44    |       |      |
| 1E | 0-738.748          | 52.057  | 18.159 | 3.08 | 3.08  | 4.62 | 4.62 | 133.932 | 50.399  | 0.39    |       |      |
| 1F | 0-738.748          | 52.057  | 3.501  | 3.08 | 3.08  | 4.62 | 4.62 | 133.932 | 11.203  | 0.39    |       |      |
| 1G | 0-738.748          | -53.351 | 18.159 | 3.08 | 3.08  | 4.62 | 4.62 | 136.325 | 50.399  | 0.39    |       |      |
| 1H | 0-738.748          | -53.351 | 3.501  | 3.08 | 3.08  | 4.62 | 4.62 | 136.325 | 11.203  | 0.39    |       |      |
| 1I | 0-843.970          | 105.236 | 14.383 | 3.08 | 3.08  | 4.62 | 4.62 | 188.840 | 36.983  | 0.56    |       |      |
| 1J | 0-843.970          | 105.236 | 7.277  | 3.08 | 3.08  | 4.62 | 4.62 | 188.840 | 19.976  | 0.56    |       |      |
| 1K | 0-843.970-106.530  | 14.383  | 3.08   | 3.08 | 3.08  | 4.62 | 4.62 | 189.901 | 36.983  | 0.56    |       |      |
| 1L | 0-843.970-106.530  | 7.277   | 3.08   | 3.08 | 3.08  | 4.62 | 4.62 | 189.901 | 19.976  | 0.56    |       |      |
| 1M | 0-771.830          | 105.236 | 14.383 | 3.08 | 3.08  | 4.62 | 4.62 | 196.377 | 39.974  | 0.54    |       |      |
| 1N | 0-771.830          | 105.236 | 7.277  | 3.08 | 3.08  | 4.62 | 4.62 | 196.377 | 21.730  | 0.54    |       |      |
| 1O | 0-771.830-106.530  | 14.383  | 3.08   | 3.08 | 3.08  | 4.62 | 4.62 | 197.365 | 39.974  | 0.54    |       |      |
| 1P | 0-771.830-106.530  | 7.277   | 3.08   | 3.08 | 3.08  | 4.62 | 4.62 | 197.365 | 21.730  | 0.54    |       |      |
| 1A | 70-877.052         | 52.057  | 18.159 | 3.08 | 3.08  | 4.62 | 4.62 | 117.695 | 43.624  | 0.44    |       |      |
| 1B | 70-877.052         | 52.057  | 3.501  | 3.08 | 3.08  | 4.62 | 4.62 | 117.695 | 9.510   | 0.44    |       |      |
| 1C | 70-877.052         | -53.351 | 18.159 | 3.08 | 3.08  | 4.62 | 4.62 | 119.968 | 43.624  | 0.44    |       |      |
| 1D | 70-877.052         | -53.351 | 3.501  | 3.08 | 3.08  | 4.62 | 4.62 | 119.968 | 9.510   | 0.44    |       |      |
| 1E | 70-738.748         | 52.057  | 18.159 | 3.08 | 3.08  | 4.62 | 4.62 | 133.932 | 50.399  | 0.39    |       |      |
| 1F | 70-738.748         | 52.057  | 3.501  | 3.08 | 3.08  | 4.62 | 4.62 | 133.932 | 11.203  | 0.39    |       |      |
| 1G | 70-738.748         | -53.351 | 18.159 | 3.08 | 3.08  | 4.62 | 4.62 | 136.325 | 50.399  | 0.39    |       |      |
| 1H | 70-738.748         | -53.351 | 3.501  | 3.08 | 3.08  | 4.62 | 4.62 | 136.325 | 11.203  | 0.39    |       |      |
| 1I | 70-843.970         | 105.236 | 14.383 | 3.08 | 3.08  | 4.62 | 4.62 | 188.840 | 36.983  | 0.56    |       |      |
| 1J | 70-843.970         | 105.236 | 7.277  | 3.08 | 3.08  | 4.62 | 4.62 | 188.840 | 19.976  | 0.56    |       |      |
| 1K | 70-843.970-106.530 | 14.383  | 3.08   | 3.08 | 3.08  | 4.62 | 4.62 | 189.901 | 36.983  | 0.56    |       |      |
| 1L | 70-843.970-106.530 | 7.277   | 3.08   | 3.08 | 3.08  | 4.62 | 4.62 | 189.901 | 19.976  | 0.56    |       |      |
| 1M | 70-771.830         | 105.236 | 14.383 | 3.08 | 3.08  | 4.62 | 4.62 | 196.377 | 39.974  | 0.54    |       |      |
| 1N | 70-771.830         | 105.236 | 7.277  | 3.08 | 3.08  | 4.62 | 4.62 | 196.377 | 21.730  | 0.54    |       |      |
| 1O | 70-771.830-106.530 | 14.383  | 3.08   | 3.08 | 3.08  | 4.62 | 4.62 | 197.365 | 39.974  | 0.54    |       |      |
| 1P | 70-771.830-106.530 | 7.277   | 3.08   | 3.08 | 3.08  | 4.62 | 4.62 | 197.365 | 21.730  | 0.54    |       |      |
| 1A | 86-876.359         | 45.941  | 16.669 | 3.08 | 3.08  | 4.62 | 4.62 | 106.637 | 40.685  | 0.43    |       |      |
| 1B | 86-876.359         | 45.941  | 3.385  | 3.08 | 3.08  | 4.62 | 4.62 | 106.637 | 9.198   | 0.43    |       |      |
| 1C | 86-876.359         | -46.277 | 16.669 | 3.08 | 3.08  | 4.62 | 4.62 | 107.273 | 40.685  | 0.43    |       |      |
| 1D | 86-876.359         | -46.277 | 3.385  | 3.08 | 3.08  | 4.62 | 4.62 | 107.273 | 9.198   | 0.43    |       |      |
| 1E | 86-738.055         | 45.941  | 16.669 | 3.08 | 3.08  | 4.62 | 4.62 | 122.108 | 46.964  | 0.38    |       |      |
| 1F | 86-738.055         | 45.941  | 3.385  | 3.08 | 3.08  | 4.62 | 4.62 | 122.108 | 10.838  | 0.38    |       |      |
| 1G | 86-738.055         | -46.277 | 16.669 | 3.08 | 3.08  | 4.62 | 4.62 | 122.792 | 46.964  | 0.38    |       |      |
| 1H | 86-738.055         | -46.277 | 3.385  | 3.08 | 3.08  | 4.62 | 4.62 | 122.792 | 10.838  | 0.38    |       |      |
| 1I | 86-843.277         | 92.498  | 13.248 | 3.08 | 3.08  | 4.62 | 4.62 | 177.226 | 34.416  | 0.52    |       |      |
| 1J | 86-843.277         | 92.498  | 6.806  | 3.08 | 3.08  | 4.62 | 4.62 | 177.226 | 18.760  | 0.52    |       |      |
| 1K | 86-843.277         | -92.834 | 13.248 | 3.08 | 3.08  | 4.62 | 4.62 | 177.566 | 34.416  | 0.52    |       |      |
| 1L | 86-843.277         | -92.834 | 6.806  | 3.08 | 3.08  | 4.62 | 4.62 | 177.566 | 18.760  | 0.52    |       |      |
| 1M | 86-771.137         | 92.498  | 13.248 | 3.08 | 3.08  | 4.62 | 4.62 | 185.416 | 37.244  | 0.50    |       |      |
| 1N | 86-771.137         | 92.498  | 6.806  | 3.08 | 3.08  | 4.62 | 4.62 | 185.416 | 20.423  | 0.50    |       |      |
| 1O | 86-771.137         | -92.834 | 13.248 | 3.08 | 3.08  | 4.62 | 4.62 | 185.741 | 37.244  | 0.50    |       |      |
| 1P | 86-771.137         | -92.834 | 6.806  | 3.08 | 3.08  | 4.62 | 4.62 | 185.741 | 20.423  | 0.50    |       |      |
| 1A | 274-868.045        | -27.462 | -1.221 | 3.08 | 3.08  | 4.62 | 4.62 | 69.615  | 3.249   | 0.42    |       |      |
| 1B | 274-868.045        | -27.462 | 2.003  | 3.08 | 3.08  | 4.62 | 4.62 | 69.615  | 5.451   | 0.42    |       |      |
| 1C | 274-868.045        | 38.600  | -1.221 | 3.08 | 3.08  | 4.62 | 4.62 | 93.195  | 3.249   | 0.42    |       |      |
| 1D | 274-868.045        | 38.600  | 2.003  | 3.08 | 3.08  | 4.62 | 4.62 | 93.195  | 5.451   | 0.42    |       |      |
| 1E | 274-729.741        | -27.462 | -1.221 | 3.08 | 3.08  | 4.62 | 4.62 | 80.868  | 3.960   | 0.35    |       |      |
| 1F | 274-729.741        | -27.462 | 2.003  | 3.08 | 3.08  | 4.62 | 4.62 | 80.868  | 6.501   | 0.35    |       |      |
| 1G | 274-729.741        | 38.600  | -1.221 | 3.08 | 3.08  | 4.62 | 4.62 | 107.420 | 3.960   | 0.36    |       |      |
| 1H | 274-729.741        | 38.600  | 2.003  | 3.08 | 3.08  | 4.62 | 4.62 | 107.420 | 6.501   | 0.36    |       |      |
| 1I | 274-834.963        | -60.369 | -0.377 | 3.08 | 3.08  | 4.62 | 4.62 | 136.439 | 0.899   | 0.44    |       |      |
| 1J | 274-834.963        | -60.369 | 1.159  | 3.08 | 3.08  | 4.62 | 4.62 | 136.439 | 3.202   | 0.44    |       |      |
| 1K | 274-834.963        | 71.507  | -0.377 | 3.08 | 3.08  | 4.62 | 4.62 | 153.265 | 0.899   | 0.47    |       |      |
| 1L | 274-834.963        | 71.507  | 1.159  | 3.08 | 3.08  | 4.62 | 4.62 | 153.265 | 3.202   | 0.47    |       |      |
| 1M | 274-762.823        | -60.369 | -0.377 | 3.08 | 3.08  | 4.62 | 4.62 | 145.366 | 1.012   | 0.42    |       |      |
| 1N | 274-762.823        | -60.369 | 1.159  | 3.08 | 3.08  | 4.62 | 4.62 | 145.366 | 3.544   | 0.42    |       |      |
| 1O | 274-762.823        | 71.507  | -0.377 | 3.08 | 3.08  | 4.62 | 4.62 | 162.152 | 1.012   | 0.44    |       |      |
| 1P | 274-762.823        | 71.507  | 1.159  | 3.08 | 3.08  | 4.62 | 4.62 | 162.152 | 3.544   | 0.44    |       |      |
| 1A | 290-867.352        | -33.883 | -2.299 | 3.08 | 3.08  | 4.62 | 4.62 | 83.510  | 6.350   | 0.42    |       |      |
| 1B | 290-867.352        | -33.883 | 2.299  | 3.08 | 3.08  | 4.62 | 4.62 | 83.510  | 6.350   | 0.42    |       |      |
| 1C | 290-867.352        | 45.369  | -2.299 | 3.08 | 3.08  | 4.62 | 4.62 | 106.447 | 6.350   | 0.43    |       |      |
| 1D | 290-867.352        | 45.369  | 2.299  | 3.08 | 3.08  | 4.62 | 4.62 | 106.447 | 6.350   | 0.43    |       |      |
| 1E | 290-729.048        | -33.883 | -2.299 | 3.08 | 3.08  | 4.62 | 4.62 | 96.691  | 7.539   | 0.35    |       |      |
| 1F | 290-729.048        | -33.883 | 2.299  | 3.08 | 3.08  | 4.62 | 4.62 | 96.691  | 7.539   | 0.35    |       |      |
| 1G | 290-729.048        | 45.369  | -2.299 | 3.08 | 3.08  | 4.62 | 4.62 | 122.085 | 7.539   | 0.37    |       |      |
| 1H | 290-729.048        | 45.369  | 2.299  | 3.08 | 3.08  | 4.62 | 4.62 | 122.085 | 7.539   | 0.37    |       |      |
| 1I | 290-834.270        | -73.412 | -1.100 | 3.08 | 3.08  | 4.62 | 4.62 | 155.962 | 3.066   | 0.47    |       |      |
| 1J | 290-834.270        | -73.412 | 1.100  | 3.08 | 3.08  | 4.62 | 4.62 | 155.962 | 3.066   | 0.47    |       |      |
| 1K | 290-834.270        | 84.898  | -1.100 | 3.08 | 3.08  | 4.62 | 4.62 | 170.109 | 3.066   | 0.50    |       |      |
| 1L | 290-834.270        | 84.898  | 1.100  | 3.08 | 3.08  | 4.62 | 4.62 | 170.109 | 3.066   | 0.50    |       |      |
| 1M | 290-762.130        | -73.412 | -1.100 | 3.08 | 3.08  | 4.62 | 4.62 | 164.800 | 3.348   | 0.45    |       |      |
| 1N | 290-762.130        | -73.412 | 1.100  | 3.08 | 3.08  | 4.62 | 4.62 | 164.800 | 3.348   | 0.45    |       |      |
| 1O | 290-762.130        | 84.898  | -1.100 | 3.08 | 3.08  | 4.62 | 4.62 | 178.666 | 3.348   | 0.48    |       |      |
| 1P | 290-762.130        | 84.898  | 1.100  | 3.08 | 3.08  | 4.62 | 4.62 | 178.666 | 3.348   | 0.48    |       |      |

ASTA NUM. 20 NI 41 NF 42 SEZ. Rp B= 0.300 H= 0.600 (pilastro)

PIL. NUM. 7

Copriferro: 3.0 cm

| NC | x           | Fx      | My      | Mz   | APOST | AANT | AINF | ASUP   | My.Res. | Mz.Res. | I.R. | Note |
|----|-------------|---------|---------|------|-------|------|------|--------|---------|---------|------|------|
|    | cm          | kN      | kN*m    |      |       | cmq  |      |        | kN*m    |         | Fx,M |      |
| 1A | 0-751.132   | -3.234  | 69.405  | 4.62 | 4.62  | 3.08 | 3.08 | 10.266 | 160.747 | 0.43    |      |      |
| 1B | 0-751.132   | -3.234  | -67.079 | 4.62 | 4.62  | 3.08 | 3.08 | 10.266 | 157.411 | 0.43    |      |      |
| 1C | 0-751.132   | -20.306 | 69.405  | 4.62 | 4.62  | 3.08 | 3.08 | 54.468 | 160.747 | 0.43    |      |      |
| 1D | 0-751.132   | -20.306 | -67.079 | 4.62 | 4.62  | 3.08 | 3.08 | 54.468 | 157.411 | 0.43    |      |      |
| 1E | 0-724.668   | -3.234  | 69.405  | 4.62 | 4.62  | 3.08 | 3.08 | 10.641 | 164.243 | 0.42    |      |      |
| 1F | 0-724.668   | -3.234  | -67.079 | 4.62 | 4.62  | 3.08 | 3.08 | 10.641 | 160.921 | 0.42    |      |      |
| 1G | 0-724.668   | -20.306 | 69.405  | 4.62 | 4.62  | 3.08 | 3.08 | 56.062 | 164.243 | 0.42    |      |      |
| 1H | 0-724.668   | -20.306 | -67.079 | 4.62 | 4.62  | 3.08 | 3.08 | 56.062 | 160.921 | 0.42    |      |      |
| 1I | 0-759.141   | 7.972   | 53.067  | 4.62 | 4.62  | 3.08 | 3.08 | 23.929 | 133.153 | 0.40    |      |      |
| 1J | 0-759.141   | 7.972   | -50.741 | 4.62 | 4.62  | 3.08 | 3.08 | 23.929 | 128.838 | 0.39    |      |      |
| 1K | 0-759.141   | -31.512 | 53.067  | 4.62 | 4.62  | 3.08 | 3.08 | 74.961 | 133.153 | 0.42    |      |      |
| 1L | 0-759.141   | -31.512 | -50.741 | 4.62 | 4.62  | 3.08 | 3.08 | 74.961 | 128.838 | 0.42    |      |      |
| 1M | 0-716.659   | 7.972   | 53.067  | 4.62 | 4.62  | 3.08 | 3.08 | 25.249 | 138.781 | 0.38    |      |      |
| 1N | 0-716.659   | 7.972   | -50.741 | 4.62 | 4.62  | 3.08 | 3.08 | 25.249 | 134.394 | 0.38    |      |      |
| 1O | 0-716.659   | -31.512 | 53.067  | 4.62 | 4.62  | 3.08 | 3.08 | 77.886 | 138.781 | 0.40    |      |      |
| 1P | 0-716.659   | -31.512 | -50.741 | 4.62 | 4.62  | 3.08 | 3.08 | 77.886 | 134.394 | 0.40    |      |      |
| 1A | 70-751.132  | -3.234  | 69.405  | 4.62 | 4.62  | 3.08 | 3.08 | 10.266 | 160.747 | 0.43    |      |      |
| 1B | 70-751.132  | -3.234  | -67.079 | 4.62 | 4.62  | 3.08 | 3.08 | 10.266 | 157.411 | 0.43    |      |      |
| 1C | 70-751.132  | -20.306 | 69.405  | 4.62 | 4.62  | 3.08 | 3.08 | 54.468 | 160.747 | 0.43    |      |      |
| 1D | 70-751.132  | -20.306 | -67.079 | 4.62 | 4.62  | 3.08 | 3.08 | 54.468 | 157.411 | 0.43    |      |      |
| 1E | 70-724.668  | -3.234  | 69.405  | 4.62 | 4.62  | 3.08 | 3.08 | 10.641 | 164.243 | 0.42    |      |      |
| 1F | 70-724.668  | -3.234  | -67.079 | 4.62 | 4.62  | 3.08 | 3.08 | 10.641 | 160.921 | 0.42    |      |      |
| 1G | 70-724.668  | -20.306 | 69.405  | 4.62 | 4.62  | 3.08 | 3.08 | 56.062 | 164.243 | 0.42    |      |      |
| 1H | 70-724.668  | -20.306 | -67.079 | 4.62 | 4.62  | 3.08 | 3.08 | 56.062 | 160.921 | 0.42    |      |      |
| 1I | 70-759.141  | 7.972   | 53.067  | 4.62 | 4.62  | 3.08 | 3.08 | 23.929 | 133.153 | 0.40    |      |      |
| 1J | 70-759.141  | 7.972   | -50.741 | 4.62 | 4.62  | 3.08 | 3.08 | 23.929 | 128.838 | 0.39    |      |      |
| 1K | 70-759.141  | -31.512 | 53.067  | 4.62 | 4.62  | 3.08 | 3.08 | 74.961 | 133.153 | 0.42    |      |      |
| 1L | 70-759.141  | -31.512 | -50.741 | 4.62 | 4.62  | 3.08 | 3.08 | 74.961 | 128.838 | 0.42    |      |      |
| 1M | 70-716.659  | 7.972   | 53.067  | 4.62 | 4.62  | 3.08 | 3.08 | 25.249 | 138.781 | 0.38    |      |      |
| 1N | 70-716.659  | 7.972   | -50.741 | 4.62 | 4.62  | 3.08 | 3.08 | 25.249 | 134.394 | 0.38    |      |      |
| 1O | 70-716.659  | -31.512 | 53.067  | 4.62 | 4.62  | 3.08 | 3.08 | 77.886 | 138.781 | 0.40    |      |      |
| 1P | 70-716.659  | -31.512 | -50.741 | 4.62 | 4.62  | 3.08 | 3.08 | 77.886 | 134.394 | 0.40    |      |      |
| 1A | 86-750.439  | -3.327  | 60.224  | 4.62 | 4.62  | 3.08 | 3.08 | 10.570 | 146.757 | 0.41    |      |      |
| 1B | 86-750.439  | -3.327  | -59.050 | 4.62 | 4.62  | 3.08 | 3.08 | 10.570 | 144.796 | 0.41    |      |      |
| 1C | 86-750.439  | -18.596 | 60.224  | 4.62 | 4.62  | 3.08 | 3.08 | 50.735 | 146.757 | 0.41    |      |      |
| 1D | 86-750.439  | -18.596 | -59.050 | 4.62 | 4.62  | 3.08 | 3.08 | 50.735 | 144.796 | 0.41    |      |      |
| 1E | 86-723.975  | -3.327  | 60.224  | 4.62 | 4.62  | 3.08 | 3.08 | 10.858 | 150.347 | 0.40    |      |      |
| 1F | 86-723.975  | -3.327  | -59.050 | 4.62 | 4.62  | 3.08 | 3.08 | 10.858 | 148.377 | 0.40    |      |      |
| 1G | 86-723.975  | -18.596 | 60.224  | 4.62 | 4.62  | 3.08 | 3.08 | 52.251 | 150.347 | 0.40    |      |      |
| 1H | 86-723.975  | -18.596 | -59.050 | 4.62 | 4.62  | 3.08 | 3.08 | 52.251 | 148.377 | 0.40    |      |      |
| 1I | 86-758.449  | 6.691   | 45.800  | 4.62 | 4.62  | 3.08 | 3.08 | 20.413 | 119.292 | 0.38    |      |      |
| 1J | 86-758.449  | 6.691   | -44.626 | 4.62 | 4.62  | 3.08 | 3.08 | 20.413 | 116.884 | 0.38    |      |      |
| 1K | 86-758.449  | -28.614 | 45.800  | 4.62 | 4.62  | 3.08 | 3.08 | 70.163 | 119.292 | 0.41    |      |      |
| 1L | 86-758.449  | -28.614 | -44.626 | 4.62 | 4.62  | 3.08 | 3.08 | 70.163 | 116.884 | 0.41    |      |      |
| 1M | 86-715.966  | 6.691   | 45.800  | 4.62 | 4.62  | 3.08 | 3.08 | 21.551 | 124.672 | 0.37    |      |      |
| 1N | 86-715.966  | 6.691   | -44.626 | 4.62 | 4.62  | 3.08 | 3.08 | 21.551 | 122.235 | 0.36    |      |      |
| 1O | 86-715.966  | -28.614 | 45.800  | 4.62 | 4.62  | 3.08 | 3.08 | 73.047 | 124.672 | 0.39    |      |      |
| 1P | 86-715.966  | -28.614 | -44.626 | 4.62 | 4.62  | 3.08 | 3.08 | 73.047 | 122.235 | 0.39    |      |      |
| 1A | 274-742.125 | -4.439  | -49.954 | 4.62 | 4.62  | 3.08 | 3.08 | 14.121 | 129.512 | 0.39    |      |      |
| 1B | 274-742.125 | -4.439  | 37.303  | 4.62 | 4.62  | 3.08 | 3.08 | 14.121 | 103.032 | 0.36    |      |      |
| 1C | 274-742.125 | 1.924   | -49.954 | 4.62 | 4.62  | 3.08 | 3.08 | 6.201  | 129.512 | 0.39    |      |      |
| 1D | 274-742.125 | 1.924   | 37.303  | 4.62 | 4.62  | 3.08 | 3.08 | 6.201  | 103.032 | 0.36    |      |      |
| 1E | 274-715.661 | -4.439  | -49.954 | 4.62 | 4.62  | 3.08 | 3.08 | 14.630 | 133.011 | 0.38    |      |      |
| 1F | 274-715.661 | -4.439  | 37.303  | 4.62 | 4.62  | 3.08 | 3.08 | 14.630 | 106.142 | 0.35    |      |      |
| 1G | 274-715.661 | 1.924   | -49.954 | 4.62 | 4.62  | 3.08 | 3.08 | 6.356  | 133.011 | 0.38    |      |      |
| 1H | 274-715.661 | 1.924   | 37.303  | 4.62 | 4.62  | 3.08 | 3.08 | 6.356  | 106.142 | 0.35    |      |      |
| 1I | 274-750.134 | -8.674  | -41.404 | 4.62 | 4.62  | 3.08 | 3.08 | 26.172 | 111.183 | 0.37    |      |      |
| 1J | 274-750.134 | -8.674  | 28.752  | 4.62 | 4.62  | 3.08 | 3.08 | 26.172 | 82.157  | 0.36    |      |      |
| 1K | 274-750.134 | 6.159   | -41.404 | 4.62 | 4.62  | 3.08 | 3.08 | 19.069 | 111.183 | 0.37    |      |      |
| 1L | 274-750.134 | 6.159   | 28.752  | 4.62 | 4.62  | 3.08 | 3.08 | 19.069 | 82.157  | 0.36    |      |      |
| 1M | 274-707.651 | -8.674  | -41.404 | 4.62 | 4.62  | 3.08 | 3.08 | 27.612 | 116.363 | 0.36    |      |      |
| 1N | 274-707.651 | -8.674  | 28.752  | 4.62 | 4.62  | 3.08 | 3.08 | 27.612 | 86.360  | 0.34    |      |      |
| 1O | 274-707.651 | 6.159   | -41.404 | 4.62 | 4.62  | 3.08 | 3.08 | 20.154 | 116.363 | 0.36    |      |      |
| 1P | 274-707.651 | 6.159   | 28.752  | 4.62 | 4.62  | 3.08 | 3.08 | 20.154 | 86.360  | 0.34    |      |      |
| 1A | 290-741.432 | -4.083  | -58.769 | 4.62 | 4.62  | 3.08 | 3.08 | 13.019 | 145.524 | 0.40    |      |      |
| 1B | 290-741.432 | -4.083  | 45.699  | 4.62 | 4.62  | 3.08 | 3.08 | 13.019 | 121.190 | 0.38    |      |      |
| 1C | 290-741.432 | 4.083   | -58.769 | 4.62 | 4.62  | 3.08 | 3.08 | 13.019 | 145.524 | 0.40    |      |      |
| 1D | 290-741.432 | 4.083   | 45.699  | 4.62 | 4.62  | 3.08 | 3.08 | 13.019 | 121.190 | 0.38    |      |      |
| 1E | 290-714.968 | -4.083  | -58.769 | 4.62 | 4.62  | 3.08 | 3.08 | 13.494 | 149.154 | 0.39    |      |      |
| 1F | 290-714.968 | -4.083  | 45.699  | 4.62 | 4.62  | 3.08 | 3.08 | 13.494 | 124.594 | 0.37    |      |      |
| 1G | 290-714.968 | 4.083   | -58.769 | 4.62 | 4.62  | 3.08 | 3.08 | 13.494 | 149.154 | 0.39    |      |      |
| 1H | 290-714.968 | 4.083   | 45.699  | 4.62 | 4.62  | 3.08 | 3.08 | 13.494 | 124.594 | 0.37    |      |      |
| 1I | 290-749.441 | -9.506  | -48.304 | 4.62 | 4.62  | 3.08 | 3.08 | 28.487 | 125.384 | 0.38    |      |      |
| 1J | 290-749.441 | -9.506  | 35.234  | 4.62 | 4.62  | 3.08 | 3.08 | 28.487 | 97.616  | 0.36    |      |      |
| 1K | 290-749.441 | 9.506   | -48.304 | 4.62 | 4.62  | 3.08 | 3.08 | 28.487 | 125.384 | 0.38    |      |      |
| 1L | 290-749.441 | 9.506   | 35.234  | 4.62 | 4.62  | 3.08 | 3.08 | 28.487 | 97.616  | 0.36    |      |      |
| 1M | 290-706.959 | -9.506  | -48.304 | 4.62 | 4.62  | 3.08 | 3.08 | 30.034 | 130.947 | 0.37    |      |      |
| 1N | 290-706.959 | -9.506  | 35.234  | 4.62 | 4.62  | 3.08 | 3.08 | 30.034 | 102.312 | 0.34    |      |      |
| 1O | 290-706.959 | 9.506   | -48.304 | 4.62 | 4.62  | 3.08 | 3.08 | 30.034 | 130.947 | 0.37    |      |      |
| 1P | 290-706.959 | 9.506   | 35.234  | 4.62 | 4.62  | 3.08 | 3.08 | 30.034 | 102.312 | 0.34    |      |      |

ASTA NUM. 22 NI 45 NF 46 SEZ. Rp B= 0.400 H= 0.600 (pilastro)

PIL. NUM. 9

Copriferro: 3.0 cm

| NC | x         | Fx     | My     | Mz   | APOST | AANT | AINF | ASUP    | My.Res. | Mz.Res. | I.R. | Note |
|----|-----------|--------|--------|------|-------|------|------|---------|---------|---------|------|------|
|    | cm        | kN     | kN*m   |      |       | cmq  |      |         | kN*m    |         | Fx,M |      |
| 1A | 0-518.407 | 49.535 | -1.537 | 4.62 | 4.62  | 3.08 | 3.08 | 175.409 | 9.232   | 0.28    |      |      |

|    |           |         |         |      |      |      |      |         |         |      |
|----|-----------|---------|---------|------|------|------|------|---------|---------|------|
| 1B | 0-518.407 | 49.535  | -59.863 | 4.62 | 4.62 | 3.08 | 3.08 | 175.409 | 233.617 | 0.28 |
| 1C | 0-518.407 | -41.029 | -1.537  | 4.62 | 4.62 | 3.08 | 3.08 | 160.528 | 9.232   | 0.26 |
| 1D | 0-518.407 | -41.029 | -59.863 | 4.62 | 4.62 | 3.08 | 3.08 | 160.528 | 233.617 | 0.26 |
| 1E | 0-393.593 | 49.535  | -1.537  | 4.62 | 4.62 | 3.08 | 3.08 | 193.155 | 12.246  | 0.26 |
| 1F | 0-393.593 | 49.535  | -59.863 | 4.62 | 4.62 | 3.08 | 3.08 | 193.155 | 261.115 | 0.26 |
| 1G | 0-393.593 | -41.029 | -1.537  | 4.62 | 4.62 | 3.08 | 3.08 | 181.616 | 12.246  | 0.23 |
| 1H | 0-393.593 | -41.029 | -59.863 | 4.62 | 4.62 | 3.08 | 3.08 | 181.616 | 261.115 | 0.23 |
| 1I | 0-533.954 | 99.137  | -1.831  | 4.62 | 4.62 | 3.08 | 3.08 | 177.507 | 10.748  | 0.56 |
| 1J | 0-533.954 | 99.137  | -59.569 | 4.62 | 4.62 | 3.08 | 3.08 | 177.507 | 229.669 | 0.56 |
| 1K | 0-533.954 | -90.631 | -1.831  | 4.62 | 4.62 | 3.08 | 3.08 | 185.370 | 10.748  | 0.49 |
| 1L | 0-533.954 | -90.631 | -59.569 | 4.62 | 4.62 | 3.08 | 3.08 | 185.370 | 229.669 | 0.49 |
| 1M | 0-378.046 | 99.137  | -1.831  | 4.62 | 4.62 | 3.08 | 3.08 | 133.297 | 15.209  | 0.74 |
| 1N | 0-378.046 | 99.137  | -59.569 | 4.62 | 4.62 | 3.08 | 3.08 | 133.297 | 264.014 | 0.74 |
| 1O | 0-378.046 | -90.631 | -1.831  | 4.62 | 4.62 | 3.08 | 3.08 | 145.616 | 15.209  | 0.62 |
| 1P | 0-378.046 | -90.631 | -59.569 | 4.62 | 4.62 | 3.08 | 3.08 | 145.616 | 264.014 | 0.62 |

|    |            |         |         |      |      |      |      |         |         |      |
|----|------------|---------|---------|------|------|------|------|---------|---------|------|
| 1A | 70-518.407 | 49.535  | -1.537  | 4.62 | 4.62 | 3.08 | 3.08 | 175.409 | 9.232   | 0.28 |
| 1B | 70-518.407 | 49.535  | -59.863 | 4.62 | 4.62 | 3.08 | 3.08 | 175.409 | 233.617 | 0.28 |
| 1C | 70-518.407 | -41.029 | -1.537  | 4.62 | 4.62 | 3.08 | 3.08 | 160.528 | 9.232   | 0.26 |
| 1D | 70-518.407 | -41.029 | -59.863 | 4.62 | 4.62 | 3.08 | 3.08 | 160.528 | 233.617 | 0.26 |
| 1E | 70-393.593 | 49.535  | -1.537  | 4.62 | 4.62 | 3.08 | 3.08 | 193.155 | 12.246  | 0.26 |
| 1F | 70-393.593 | 49.535  | -59.863 | 4.62 | 4.62 | 3.08 | 3.08 | 193.155 | 261.115 | 0.26 |
| 1G | 70-393.593 | -41.029 | -1.537  | 4.62 | 4.62 | 3.08 | 3.08 | 181.616 | 12.246  | 0.23 |
| 1H | 70-393.593 | -41.029 | -59.863 | 4.62 | 4.62 | 3.08 | 3.08 | 181.616 | 261.115 | 0.23 |
| 1I | 70-533.954 | 99.137  | -1.831  | 4.62 | 4.62 | 3.08 | 3.08 | 177.507 | 10.748  | 0.56 |
| 1J | 70-533.954 | 99.137  | -59.569 | 4.62 | 4.62 | 3.08 | 3.08 | 177.507 | 229.669 | 0.56 |
| 1K | 70-533.954 | -90.631 | -1.831  | 4.62 | 4.62 | 3.08 | 3.08 | 185.370 | 10.748  | 0.49 |
| 1L | 70-533.954 | -90.631 | -59.569 | 4.62 | 4.62 | 3.08 | 3.08 | 185.370 | 229.669 | 0.49 |
| 1M | 70-378.046 | 99.137  | -1.831  | 4.62 | 4.62 | 3.08 | 3.08 | 133.297 | 15.209  | 0.74 |
| 1N | 70-378.046 | 99.137  | -59.569 | 4.62 | 4.62 | 3.08 | 3.08 | 133.297 | 264.014 | 0.74 |
| 1O | 70-378.046 | -90.631 | -1.831  | 4.62 | 4.62 | 3.08 | 3.08 | 145.616 | 15.209  | 0.62 |
| 1P | 70-378.046 | -90.631 | -59.569 | 4.62 | 4.62 | 3.08 | 3.08 | 145.616 | 264.014 | 0.62 |

|    |            |         |         |      |      |      |      |         |         |      |
|----|------------|---------|---------|------|------|------|------|---------|---------|------|
| 1A | 86-517.486 | 43.377  | -1.383  | 4.62 | 4.62 | 3.08 | 3.08 | 165.243 | 8.323   | 0.26 |
| 1B | 86-517.486 | 43.377  | -54.351 | 4.62 | 4.62 | 3.08 | 3.08 | 165.243 | 222.568 | 0.26 |
| 1C | 86-517.486 | -36.047 | -1.383  | 4.62 | 4.62 | 3.08 | 3.08 | 149.654 | 8.323   | 0.24 |
| 1D | 86-517.486 | -36.047 | -54.351 | 4.62 | 4.62 | 3.08 | 3.08 | 149.654 | 222.568 | 0.24 |
| 1E | 86-392.672 | 43.377  | -1.383  | 4.62 | 4.62 | 3.08 | 3.08 | 185.476 | 11.056  | 0.23 |
| 1F | 86-392.672 | 43.377  | -54.351 | 4.62 | 4.62 | 3.08 | 3.08 | 185.476 | 252.637 | 0.23 |
| 1G | 86-392.672 | -36.047 | -1.383  | 4.62 | 4.62 | 3.08 | 3.08 | 172.395 | 11.056  | 0.21 |
| 1H | 86-392.672 | -36.047 | -54.351 | 4.62 | 4.62 | 3.08 | 3.08 | 172.395 | 252.637 | 0.22 |
| 1I | 86-533.033 | 86.872  | -1.833  | 4.62 | 4.62 | 3.08 | 3.08 | 188.112 | 10.783  | 0.46 |
| 1J | 86-533.033 | 86.872  | -53.900 | 4.62 | 4.62 | 3.08 | 3.08 | 188.112 | 218.000 | 0.46 |
| 1K | 86-533.033 | -79.541 | -1.833  | 4.62 | 4.62 | 3.08 | 3.08 | 192.178 | 10.783  | 0.41 |
| 1L | 86-533.033 | -79.541 | -53.900 | 4.62 | 4.62 | 3.08 | 3.08 | 192.178 | 218.000 | 0.41 |
| 1M | 86-377.125 | 86.872  | -1.833  | 4.62 | 4.62 | 3.08 | 3.08 | 151.048 | 15.268  | 0.57 |
| 1N | 86-377.125 | 86.872  | -53.900 | 4.62 | 4.62 | 3.08 | 3.08 | 151.048 | 255.642 | 0.57 |
| 1O | 86-377.125 | -79.541 | -1.833  | 4.62 | 4.62 | 3.08 | 3.08 | 162.733 | 15.268  | 0.49 |
| 1P | 86-377.125 | -79.541 | -53.900 | 4.62 | 4.62 | 3.08 | 3.08 | 162.733 | 255.642 | 0.49 |

|    |             |         |        |      |      |      |      |         |         |      |
|----|-------------|---------|--------|------|------|------|------|---------|---------|------|
| 1A | 274-506.428 | -30.516 | 0.471  | 4.62 | 4.62 | 3.08 | 3.08 | 136.995 | 2.708   | 0.22 |
| 1B | 274-506.428 | -30.516 | 11.795 | 4.62 | 4.62 | 3.08 | 3.08 | 136.995 | 68.469  | 0.22 |
| 1C | 274-506.428 | 23.743  | 0.471  | 4.62 | 4.62 | 3.08 | 3.08 | 115.298 | 2.708   | 0.21 |
| 1D | 274-506.428 | 23.743  | 11.795 | 4.62 | 4.62 | 3.08 | 3.08 | 115.298 | 68.469  | 0.21 |
| 1E | 274-381.614 | -30.516 | 0.471  | 4.62 | 4.62 | 3.08 | 3.08 | 161.385 | 3.676   | 0.19 |
| 1F | 274-381.614 | -30.516 | 11.795 | 4.62 | 4.62 | 3.08 | 3.08 | 161.385 | 88.168  | 0.19 |
| 1G | 274-381.614 | 23.743  | 0.471  | 4.62 | 4.62 | 3.08 | 3.08 | 139.803 | 3.676   | 0.17 |
| 1H | 274-381.614 | 23.743  | 11.795 | 4.62 | 4.62 | 3.08 | 3.08 | 139.803 | 88.168  | 0.17 |
| 1I | 274-521.975 | -60.305 | -1.863 | 4.62 | 4.62 | 3.08 | 3.08 | 188.301 | 11.123  | 0.32 |
| 1J | 274-521.975 | -60.305 | 14.128 | 4.62 | 4.62 | 3.08 | 3.08 | 188.301 | 78.316  | 0.32 |
| 1K | 274-521.975 | 53.532  | -1.863 | 4.62 | 4.62 | 3.08 | 3.08 | 180.491 | 11.123  | 0.30 |
| 1L | 274-521.975 | 53.532  | 14.128 | 4.62 | 4.62 | 3.08 | 3.08 | 180.491 | 78.316  | 0.30 |
| 1M | 274-366.067 | -60.305 | -1.863 | 4.62 | 4.62 | 3.08 | 3.08 | 187.445 | 15.897  | 0.32 |
| 1N | 274-366.067 | -60.305 | 14.128 | 4.62 | 4.62 | 3.08 | 3.08 | 187.445 | 106.832 | 0.32 |
| 1O | 274-366.067 | 53.532  | -1.863 | 4.62 | 4.62 | 3.08 | 3.08 | 192.752 | 15.897  | 0.28 |
| 1P | 274-366.067 | 53.532  | 14.128 | 4.62 | 4.62 | 3.08 | 3.08 | 192.752 | 106.832 | 0.28 |

|    |             |         |        |      |      |      |      |         |         |      |
|----|-------------|---------|--------|------|------|------|------|---------|---------|------|
| 1A | 290-505.507 | -36.300 | -1.178 | 4.62 | 4.62 | 3.08 | 3.08 | 152.283 | 7.188   | 0.24 |
| 1B | 290-505.507 | -36.300 | 15.504 | 4.62 | 4.62 | 3.08 | 3.08 | 152.283 | 87.569  | 0.24 |
| 1C | 290-505.507 | 29.100  | -1.178 | 4.62 | 4.62 | 3.08 | 3.08 | 132.990 | 7.188   | 0.22 |
| 1D | 290-505.507 | 29.100  | 15.504 | 4.62 | 4.62 | 3.08 | 3.08 | 132.990 | 87.569  | 0.22 |
| 1E | 290-380.693 | -36.300 | -1.178 | 4.62 | 4.62 | 3.08 | 3.08 | 175.254 | 9.688   | 0.21 |
| 1F | 290-380.693 | -36.300 | 15.504 | 4.62 | 4.62 | 3.08 | 3.08 | 175.254 | 111.849 | 0.21 |
| 1G | 290-380.693 | 29.100  | -1.178 | 4.62 | 4.62 | 3.08 | 3.08 | 157.613 | 9.688   | 0.18 |
| 1H | 290-380.693 | 29.100  | 15.504 | 4.62 | 4.62 | 3.08 | 3.08 | 157.613 | 111.849 | 0.18 |
| 1I | 290-521.054 | -72.196 | -3.669 | 4.62 | 4.62 | 3.08 | 3.08 | 193.661 | 21.970  | 0.37 |
| 1J | 290-521.054 | -72.196 | 17.994 | 4.62 | 4.62 | 3.08 | 3.08 | 193.661 | 97.177  | 0.37 |
| 1K | 290-521.054 | 64.996  | -3.669 | 4.62 | 4.62 | 3.08 | 3.08 | 192.807 | 21.970  | 0.34 |
| 1L | 290-521.054 | 64.996  | 17.994 | 4.62 | 4.62 | 3.08 | 3.08 | 192.807 | 97.177  | 0.34 |
| 1M | 290-365.146 | -72.196 | -3.669 | 4.62 | 4.62 | 3.08 | 3.08 | 170.656 | 31.096  | 0.42 |
| 1N | 290-365.146 | -72.196 | 17.994 | 4.62 | 4.62 | 3.08 | 3.08 | 170.656 | 131.001 | 0.42 |
| 1O | 290-365.146 | 64.996  | -3.669 | 4.62 | 4.62 | 3.08 | 3.08 | 181.517 | 31.096  | 0.36 |
| 1P | 290-365.146 | 64.996  | 17.994 | 4.62 | 4.62 | 3.08 | 3.08 | 181.517 | 131.001 | 0.36 |

ASTA NUM. 23 NI 47 NF 48 SEZ. Rp B= 0.400 H= 0.600 (pilastro)

PILL. NUM. 10

Copriferro: 3.0 cm

| NC | x         | Fx      | My     | Mz   | APOST | AANT | AINF | ASUP   | My.Res. | Mz.Res. | I.R.  | Note |
|----|-----------|---------|--------|------|-------|------|------|--------|---------|---------|-------|------|
|    | cm        | kN      | kN*m   |      |       | cmq  |      |        | kN*m    |         | Fx, M |      |
| 1A | 0-889.913 | 22.340  | 78.027 | 4.62 | 4.62  | 3.08 | 3.08 | 69.699 | 200.396 | 0.39    |       |      |
| 1B | 0-889.913 | 22.340  | -1.207 | 4.62 | 4.62  | 3.08 | 3.08 | 69.699 | 4.095   | 0.33    |       |      |
| 1C | 0-889.913 | -25.332 | 78.027 | 4.62 | 4.62  | 3.08 | 3.08 | 77.588 | 200.396 | 0.39    |       |      |
| 1D | 0-889.913 | -25.332 | -1.207 | 4.62 | 4.62  | 3.08 | 3.08 | 77.588 | 4.095   | 0.33    |       |      |
| 1E | 0-848.887 | 22.340  | 78.027 | 4.62 | 4.62  | 3.08 | 3.08 | 72.584 | 206.274 | 0.38    |       |      |
| 1F | 0-848.887 | 22.340  | -1.207 | 4.62 | 4.62  | 3.08 | 3.08 | 72.584 | 4.275   | 0.32    |       |      |

|    |             |         |         |      |      |      |      |         |         |      |
|----|-------------|---------|---------|------|------|------|------|---------|---------|------|
| 1G | 0-848.887   | -25.332 | 78.027  | 4.62 | 4.62 | 3.08 | 3.08 | 80.724  | 206.274 | 0.38 |
| 1H | 0-848.887   | -25.332 | -1.207  | 4.62 | 4.62 | 3.08 | 3.08 | 80.724  | 4.275   | 0.32 |
| 1I | 0-883.449   | 49.753  | 59.324  | 4.62 | 4.62 | 3.08 | 3.08 | 131.071 | 166.862 | 0.38 |
| 1J | 0-883.449   | 49.753  | 17.496  | 4.62 | 4.62 | 3.08 | 3.08 | 131.071 | 58.948  | 0.38 |
| 1K | 0-883.449   | -52.745 | 59.324  | 4.62 | 4.62 | 3.08 | 3.08 | 136.185 | 166.862 | 0.39 |
| 1L | 0-883.449   | -52.745 | 17.496  | 4.62 | 4.62 | 3.08 | 3.08 | 136.185 | 58.948  | 0.39 |
| 1M | 0-855.351   | 49.753  | 59.324  | 4.62 | 4.62 | 3.08 | 3.08 | 133.899 | 170.849 | 0.37 |
| 1N | 0-855.351   | 49.753  | 17.496  | 4.62 | 4.62 | 3.08 | 3.08 | 133.899 | 60.749  | 0.37 |
| 1O | 0-855.351   | -52.745 | 59.324  | 4.62 | 4.62 | 3.08 | 3.08 | 139.020 | 170.849 | 0.38 |
| 1P | 0-855.351   | -52.745 | 17.496  | 4.62 | 4.62 | 3.08 | 3.08 | 139.020 | 60.749  | 0.38 |
| 1A | 70-889.913  | 22.340  | 78.027  | 4.62 | 4.62 | 3.08 | 3.08 | 69.699  | 200.396 | 0.39 |
| 1B | 70-889.913  | 22.340  | -1.207  | 4.62 | 4.62 | 3.08 | 3.08 | 69.699  | 4.095   | 0.33 |
| 1C | 70-889.913  | -25.332 | 78.027  | 4.62 | 4.62 | 3.08 | 3.08 | 77.588  | 200.396 | 0.39 |
| 1D | 70-889.913  | -25.332 | -1.207  | 4.62 | 4.62 | 3.08 | 3.08 | 77.588  | 4.095   | 0.33 |
| 1E | 70-848.887  | 22.340  | 78.027  | 4.62 | 4.62 | 3.08 | 3.08 | 72.584  | 206.274 | 0.38 |
| 1F | 70-848.887  | 22.340  | -1.207  | 4.62 | 4.62 | 3.08 | 3.08 | 72.584  | 4.275   | 0.32 |
| 1G | 70-848.887  | -25.332 | 78.027  | 4.62 | 4.62 | 3.08 | 3.08 | 80.724  | 206.274 | 0.38 |
| 1H | 70-848.887  | -25.332 | -1.207  | 4.62 | 4.62 | 3.08 | 3.08 | 80.724  | 4.275   | 0.32 |
| 1I | 70-883.449  | 49.753  | 59.324  | 4.62 | 4.62 | 3.08 | 3.08 | 131.071 | 166.862 | 0.38 |
| 1J | 70-883.449  | 49.753  | 17.496  | 4.62 | 4.62 | 3.08 | 3.08 | 131.071 | 58.948  | 0.38 |
| 1K | 70-883.449  | -52.745 | 59.324  | 4.62 | 4.62 | 3.08 | 3.08 | 136.185 | 166.862 | 0.39 |
| 1L | 70-883.449  | -52.745 | 17.496  | 4.62 | 4.62 | 3.08 | 3.08 | 136.185 | 58.948  | 0.39 |
| 1M | 70-855.351  | 49.753  | 59.324  | 4.62 | 4.62 | 3.08 | 3.08 | 133.899 | 170.849 | 0.37 |
| 1N | 70-855.351  | 49.753  | 17.496  | 4.62 | 4.62 | 3.08 | 3.08 | 133.899 | 60.749  | 0.37 |
| 1O | 70-855.351  | -52.745 | 59.324  | 4.62 | 4.62 | 3.08 | 3.08 | 139.020 | 170.849 | 0.38 |
| 1P | 70-855.351  | -52.745 | 17.496  | 4.62 | 4.62 | 3.08 | 3.08 | 139.020 | 60.749  | 0.38 |
| 1A | 86-888.984  | 21.467  | 70.660  | 4.62 | 4.62 | 3.08 | 3.08 | 67.395  | 187.978 | 0.38 |
| 1B | 86-888.984  | 21.467  | -1.147  | 4.62 | 4.62 | 3.08 | 3.08 | 67.395  | 3.870   | 0.33 |
| 1C | 86-888.984  | -20.109 | 70.660  | 4.62 | 4.62 | 3.08 | 3.08 | 63.653  | 187.978 | 0.38 |
| 1D | 86-888.984  | -20.109 | -1.147  | 4.62 | 4.62 | 3.08 | 3.08 | 63.653  | 3.870   | 0.33 |
| 1E | 86-847.959  | 21.467  | 70.660  | 4.62 | 4.62 | 3.08 | 3.08 | 70.208  | 193.987 | 0.36 |
| 1F | 86-847.959  | 21.467  | -1.147  | 4.62 | 4.62 | 3.08 | 3.08 | 70.208  | 4.083   | 0.32 |
| 1G | 86-847.959  | -20.109 | 70.660  | 4.62 | 4.62 | 3.08 | 3.08 | 66.342  | 193.987 | 0.36 |
| 1H | 86-847.959  | -20.109 | -1.147  | 4.62 | 4.62 | 3.08 | 3.08 | 66.342  | 4.083   | 0.32 |
| 1I | 86-882.520  | 45.410  | 53.742  | 4.62 | 4.62 | 3.08 | 3.08 | 123.229 | 155.053 | 0.37 |
| 1J | 86-882.520  | 45.410  | 15.771  | 4.62 | 4.62 | 3.08 | 3.08 | 123.229 | 53.685  | 0.37 |
| 1K | 86-882.520  | -44.053 | 53.742  | 4.62 | 4.62 | 3.08 | 3.08 | 120.621 | 155.053 | 0.37 |
| 1L | 86-882.520  | -44.053 | 15.771  | 4.62 | 4.62 | 3.08 | 3.08 | 120.621 | 53.685  | 0.37 |
| 1M | 86-854.422  | 45.410  | 53.742  | 4.62 | 4.62 | 3.08 | 3.08 | 126.027 | 158.921 | 0.36 |
| 1N | 86-854.422  | 45.410  | 15.771  | 4.62 | 4.62 | 3.08 | 3.08 | 126.027 | 55.334  | 0.36 |
| 1O | 86-854.422  | -44.053 | 53.742  | 4.62 | 4.62 | 3.08 | 3.08 | 123.402 | 158.921 | 0.36 |
| 1P | 86-854.422  | -44.053 | 15.771  | 4.62 | 4.62 | 3.08 | 3.08 | 123.402 | 55.334  | 0.36 |
| 1A | 274-877.841 | 10.989  | -17.745 | 4.62 | 4.62 | 3.08 | 3.08 | 37.375  | 60.085  | 0.33 |
| 1B | 274-877.841 | 10.989  | -0.428  | 4.62 | 4.62 | 3.08 | 3.08 | 37.375  | 1.294   | 0.33 |
| 1C | 274-877.841 | 42.561  | -17.745 | 4.62 | 4.62 | 3.08 | 3.08 | 118.136 | 60.085  | 0.36 |
| 1D | 274-877.841 | 42.561  | -0.428  | 4.62 | 4.62 | 3.08 | 3.08 | 118.136 | 1.294   | 0.36 |
| 1E | 274-836.816 | 10.989  | -17.745 | 4.62 | 4.62 | 3.08 | 3.08 | 39.089  | 62.813  | 0.31 |
| 1F | 274-836.816 | 10.989  | -0.428  | 4.62 | 4.62 | 3.08 | 3.08 | 39.089  | 1.349   | 0.31 |
| 1G | 274-836.816 | 42.561  | -17.745 | 4.62 | 4.62 | 3.08 | 3.08 | 122.229 | 62.813  | 0.35 |
| 1H | 274-836.816 | 42.561  | -0.428  | 4.62 | 4.62 | 3.08 | 3.08 | 122.229 | 1.349   | 0.35 |
| 1I | 274-871.378 | -6.709  | -13.242 | 4.62 | 4.62 | 3.08 | 3.08 | 23.536  | 46.062  | 0.33 |
| 1J | 274-871.378 | -6.709  | -4.931  | 4.62 | 4.62 | 3.08 | 3.08 | 23.536  | 17.721  | 0.33 |
| 1K | 274-871.378 | 60.260  | -13.242 | 4.62 | 4.62 | 3.08 | 3.08 | 149.026 | 46.062  | 0.40 |
| 1L | 274-871.378 | 60.260  | -4.931  | 4.62 | 4.62 | 3.08 | 3.08 | 149.026 | 17.721  | 0.40 |
| 1M | 274-843.280 | -6.709  | -13.242 | 4.62 | 4.62 | 3.08 | 3.08 | 24.307  | 47.522  | 0.32 |
| 1N | 274-843.280 | -6.709  | -4.931  | 4.62 | 4.62 | 3.08 | 3.08 | 24.307  | 18.319  | 0.32 |
| 1O | 274-843.280 | 60.260  | -13.242 | 4.62 | 4.62 | 3.08 | 3.08 | 151.862 | 47.522  | 0.40 |
| 1P | 274-843.280 | 60.260  | -4.931  | 4.62 | 4.62 | 3.08 | 3.08 | 151.862 | 18.319  | 0.40 |
| 1A | 290-876.913 | 8.732   | -22.787 | 4.62 | 4.62 | 3.08 | 3.08 | 30.202  | 75.478  | 0.33 |
| 1B | 290-876.913 | 8.732   | 1.957   | 4.62 | 4.62 | 3.08 | 3.08 | 30.202  | 6.916   | 0.33 |
| 1C | 290-876.913 | 46.400  | -22.787 | 4.62 | 4.62 | 3.08 | 3.08 | 125.644 | 75.478  | 0.37 |
| 1D | 290-876.913 | 46.400  | 1.957   | 4.62 | 4.62 | 3.08 | 3.08 | 125.644 | 6.916   | 0.37 |
| 1E | 290-835.887 | 8.732   | -22.787 | 4.62 | 4.62 | 3.08 | 3.08 | 31.612  | 78.821  | 0.31 |
| 1F | 290-835.887 | 8.732   | 1.957   | 4.62 | 4.62 | 3.08 | 3.08 | 31.612  | 7.225   | 0.31 |
| 1G | 290-835.887 | 46.400  | -22.787 | 4.62 | 4.62 | 3.08 | 3.08 | 129.811 | 78.821  | 0.36 |
| 1H | 290-835.887 | 46.400  | 1.957   | 4.62 | 4.62 | 3.08 | 3.08 | 129.811 | 7.225   | 0.36 |
| 1I | 290-870.449 | -12.437 | -16.499 | 4.62 | 4.62 | 3.08 | 3.08 | 42.274  | 56.578  | 0.33 |
| 1J | 290-870.449 | -12.437 | -4.331  | 4.62 | 4.62 | 3.08 | 3.08 | 42.274  | 15.529  | 0.33 |
| 1K | 290-870.449 | 67.569  | -16.499 | 4.62 | 4.62 | 3.08 | 3.08 | 158.908 | 56.578  | 0.43 |
| 1L | 290-870.449 | 67.569  | -4.331  | 4.62 | 4.62 | 3.08 | 3.08 | 158.908 | 15.529  | 0.43 |
| 1M | 290-842.351 | -12.437 | -16.499 | 4.62 | 4.62 | 3.08 | 3.08 | 43.573  | 58.344  | 0.32 |
| 1N | 290-842.351 | -12.437 | -4.331  | 4.62 | 4.62 | 3.08 | 3.08 | 43.573  | 16.065  | 0.32 |
| 1O | 290-842.351 | 67.569  | -16.499 | 4.62 | 4.62 | 3.08 | 3.08 | 161.642 | 58.344  | 0.42 |
| 1P | 290-842.351 | 67.569  | -4.331  | 4.62 | 4.62 | 3.08 | 3.08 | 161.642 | 16.065  | 0.42 |

ASTA NUM. 24 NI 49 NF 50 SEZ. Rp B= 0.600 H= 0.400 (pilastro)

PILL. NUM. 26

Copriferro: 3.0 cm

| NC | x          | Fx      | My     | Mz | APOST | AANT | AINF | ASUP | My.Res. | Mz.Res. | I.R. | Note |
|----|------------|---------|--------|----|-------|------|------|------|---------|---------|------|------|
|    | cm         | kN      | kN*m   |    | cmq   |      |      |      | kN*m    |         | Fx,M |      |
| 1A | 0-1132.171 | 34.874  | 33.068 |    | 3.08  | 3.08 | 4.62 | 4.62 | 87.903  | 79.286  | 0.43 |      |
| 1B | 0-1132.171 | 34.874  | -5.228 |    | 3.08  | 3.08 | 4.62 | 4.62 | 87.903  | 14.316  | 0.43 |      |
| 1C | 0-1132.171 | -36.286 | 33.068 |    | 3.08  | 3.08 | 4.62 | 4.62 | 91.037  | 79.286  | 0.43 |      |
| 1D | 0-1132.171 | -36.286 | -5.228 |    | 3.08  | 3.08 | 4.62 | 4.62 | 91.037  | 14.316  | 0.43 |      |
| 1E | 0-1067.829 | 34.874  | 33.068 |    | 3.08  | 3.08 | 4.62 | 4.62 | 92.552  | 83.109  | 0.40 |      |
| 1F | 0-1067.829 | 34.874  | -5.228 |    | 3.08  | 3.08 | 4.62 | 4.62 | 92.552  | 15.195  | 0.40 |      |
| 1G | 0-1067.829 | -36.286 | 33.068 |    | 3.08  | 3.08 | 4.62 | 4.62 | 95.821  | 83.109  | 0.40 |      |
| 1H | 0-1067.829 | -36.286 | -5.228 |    | 3.08  | 3.08 | 4.62 | 4.62 | 95.821  | 15.195  | 0.40 |      |
| 1I | 0-1120.453 | 80.493  | 34.643 |    | 3.08  | 3.08 | 4.62 | 4.62 | 175.227 | 82.999  | 0.46 |      |
| 1J | 0-1120.453 | 80.493  | -6.803 |    | 3.08  | 3.08 | 4.62 | 4.62 | 175.227 | 18.728  | 0.46 |      |
| 1K | 0-1120.453 | -81.905 | 34.643 |    | 3.08  | 3.08 | 4.62 | 4.62 | 177.405 | 82.999  | 0.46 |      |



|    |              |         |         |      |      |      |      |         |        |      |
|----|--------------|---------|---------|------|------|------|------|---------|--------|------|
| 1L | 0-1120.453   | -81.905 | -6.803  | 3.08 | 3.08 | 4.62 | 4.62 | 177.405 | 18.728 | 0.46 |
| 1M | 0-1079.547   | 80.493  | 34.643  | 3.08 | 3.08 | 4.62 | 4.62 | 179.892 | 85.613 | 0.45 |
| 1N | 0-1079.547   | 80.493  | -6.803  | 3.08 | 3.08 | 4.62 | 4.62 | 179.892 | 19.436 | 0.45 |
| 1O | 0-1079.547   | -81.905 | 34.643  | 3.08 | 3.08 | 4.62 | 4.62 | 182.085 | 85.613 | 0.45 |
| 1P | 0-1079.547   | -81.905 | -6.803  | 3.08 | 3.08 | 4.62 | 4.62 | 182.085 | 19.436 | 0.45 |
| 1A | 70-1132.171  | 34.874  | 33.068  | 3.08 | 3.08 | 4.62 | 4.62 | 87.903  | 79.286 | 0.43 |
| 1B | 70-1132.171  | 34.874  | -5.228  | 3.08 | 3.08 | 4.62 | 4.62 | 87.903  | 14.316 | 0.43 |
| 1C | 70-1132.171  | -36.286 | 33.068  | 3.08 | 3.08 | 4.62 | 4.62 | 91.037  | 79.286 | 0.43 |
| 1D | 70-1132.171  | -36.286 | -5.228  | 3.08 | 3.08 | 4.62 | 4.62 | 91.037  | 14.316 | 0.43 |
| 1E | 70-1067.829  | 34.874  | 33.068  | 3.08 | 3.08 | 4.62 | 4.62 | 92.552  | 83.109 | 0.40 |
| 1F | 70-1067.829  | 34.874  | -5.228  | 3.08 | 3.08 | 4.62 | 4.62 | 92.552  | 15.195 | 0.40 |
| 1G | 70-1067.829  | -36.286 | 33.068  | 3.08 | 3.08 | 4.62 | 4.62 | 95.821  | 83.109 | 0.40 |
| 1H | 70-1067.829  | -36.286 | -5.228  | 3.08 | 3.08 | 4.62 | 4.62 | 95.821  | 15.195 | 0.40 |
| 1I | 70-1120.453  | 80.493  | 34.643  | 3.08 | 3.08 | 4.62 | 4.62 | 175.227 | 82.999 | 0.46 |
| 1J | 70-1120.453  | 80.493  | -6.803  | 3.08 | 3.08 | 4.62 | 4.62 | 175.227 | 18.728 | 0.46 |
| 1K | 70-1120.453  | -81.905 | 34.643  | 3.08 | 3.08 | 4.62 | 4.62 | 177.405 | 82.999 | 0.46 |
| 1L | 70-1120.453  | -81.905 | -6.803  | 3.08 | 3.08 | 4.62 | 4.62 | 177.405 | 18.728 | 0.46 |
| 1M | 70-1079.547  | 80.493  | 34.643  | 3.08 | 3.08 | 4.62 | 4.62 | 179.892 | 85.613 | 0.45 |
| 1N | 70-1079.547  | 80.493  | -6.803  | 3.08 | 3.08 | 4.62 | 4.62 | 179.892 | 19.436 | 0.45 |
| 1O | 70-1079.547  | -81.905 | 34.643  | 3.08 | 3.08 | 4.62 | 4.62 | 182.085 | 85.613 | 0.45 |
| 1P | 70-1079.547  | -81.905 | -6.803  | 3.08 | 3.08 | 4.62 | 4.62 | 182.085 | 19.436 | 0.45 |
| 1A | 86-1131.242  | 30.641  | 30.005  | 3.08 | 3.08 | 4.62 | 4.62 | 78.364  | 73.073 | 0.43 |
| 1B | 86-1131.242  | 30.641  | -4.417  | 3.08 | 3.08 | 4.62 | 4.62 | 78.364  | 12.156 | 0.43 |
| 1C | 86-1131.242  | -31.949 | 30.005  | 3.08 | 3.08 | 4.62 | 4.62 | 81.367  | 73.073 | 0.43 |
| 1D | 86-1131.242  | -31.949 | -4.417  | 3.08 | 3.08 | 4.62 | 4.62 | 81.367  | 12.156 | 0.43 |
| 1E | 86-1066.901  | 30.641  | 30.005  | 3.08 | 3.08 | 4.62 | 4.62 | 82.596  | 76.801 | 0.40 |
| 1F | 86-1066.901  | 30.641  | -4.417  | 3.08 | 3.08 | 4.62 | 4.62 | 82.596  | 12.909 | 0.40 |
| 1G | 86-1066.901  | -31.949 | 30.005  | 3.08 | 3.08 | 4.62 | 4.62 | 85.733  | 76.801 | 0.40 |
| 1H | 86-1066.901  | -31.949 | -4.417  | 3.08 | 3.08 | 4.62 | 4.62 | 85.733  | 12.909 | 0.40 |
| 1I | 86-1119.525  | 70.761  | 31.383  | 3.08 | 3.08 | 4.62 | 4.62 | 159.507 | 76.589 | 0.44 |
| 1J | 86-1119.525  | 70.761  | -5.795  | 3.08 | 3.08 | 4.62 | 4.62 | 159.507 | 16.070 | 0.44 |
| 1K | 86-1119.525  | -72.069 | 31.383  | 3.08 | 3.08 | 4.62 | 4.62 | 161.719 | 76.589 | 0.45 |
| 1L | 86-1119.525  | -72.069 | -5.795  | 3.08 | 3.08 | 4.62 | 4.62 | 161.719 | 16.070 | 0.45 |
| 1M | 86-1078.618  | 70.761  | 31.383  | 3.08 | 3.08 | 4.62 | 4.62 | 164.013 | 79.029 | 0.43 |
| 1N | 86-1078.618  | 70.761  | -5.795  | 3.08 | 3.08 | 4.62 | 4.62 | 164.013 | 16.680 | 0.43 |
| 1O | 86-1078.618  | -72.069 | 31.383  | 3.08 | 3.08 | 4.62 | 4.62 | 166.249 | 79.029 | 0.43 |
| 1P | 86-1078.618  | -72.069 | -5.795  | 3.08 | 3.08 | 4.62 | 4.62 | 166.249 | 16.680 | 0.43 |
| 1A | 274-1120.100 | -20.153 | -6.747  | 3.08 | 3.08 | 4.62 | 4.62 | 54.027  | 18.580 | 0.42 |
| 1B | 274-1120.100 | -20.153 | 5.310   | 3.08 | 3.08 | 4.62 | 4.62 | 54.027  | 14.704 | 0.42 |
| 1C | 274-1120.100 | 20.096  | -6.747  | 3.08 | 3.08 | 4.62 | 4.62 | 53.884  | 18.580 | 0.42 |
| 1D | 274-1120.100 | 20.096  | 5.310   | 3.08 | 3.08 | 4.62 | 4.62 | 53.884  | 14.704 | 0.42 |
| 1E | 274-1055.758 | -20.153 | -6.747  | 3.08 | 3.08 | 4.62 | 4.62 | 56.952  | 19.709 | 0.40 |
| 1F | 274-1055.758 | -20.153 | 5.310   | 3.08 | 3.08 | 4.62 | 4.62 | 56.952  | 15.612 | 0.40 |
| 1G | 274-1055.758 | 20.096  | -6.747  | 3.08 | 3.08 | 4.62 | 4.62 | 56.801  | 19.709 | 0.40 |
| 1H | 274-1055.758 | 20.096  | 5.310   | 3.08 | 3.08 | 4.62 | 4.62 | 56.801  | 15.612 | 0.40 |
| 1I | 274-1108.382 | -46.024 | -7.742  | 3.08 | 3.08 | 4.62 | 4.62 | 113.706 | 21.514 | 0.42 |
| 1J | 274-1108.382 | -46.024 | 6.304   | 3.08 | 3.08 | 4.62 | 4.62 | 113.706 | 17.537 | 0.42 |
| 1K | 274-1108.382 | 45.967  | -7.742  | 3.08 | 3.08 | 4.62 | 4.62 | 113.587 | 21.514 | 0.42 |
| 1L | 274-1108.382 | 45.967  | 6.304   | 3.08 | 3.08 | 4.62 | 4.62 | 113.587 | 17.537 | 0.42 |
| 1M | 274-1067.476 | -46.024 | -7.742  | 3.08 | 3.08 | 4.62 | 4.62 | 117.372 | 22.321 | 0.40 |
| 1N | 274-1067.476 | -46.024 | 6.304   | 3.08 | 3.08 | 4.62 | 4.62 | 117.372 | 18.214 | 0.40 |
| 1O | 274-1067.476 | 45.967  | -7.742  | 3.08 | 3.08 | 4.62 | 4.62 | 117.250 | 22.321 | 0.40 |
| 1P | 274-1067.476 | 45.967  | 6.304   | 3.08 | 3.08 | 4.62 | 4.62 | 117.250 | 18.214 | 0.40 |
| 1A | 290-1119.171 | -24.409 | -9.094  | 3.08 | 3.08 | 4.62 | 4.62 | 64.465  | 24.813 | 0.42 |
| 1B | 290-1119.171 | -24.409 | 6.836   | 3.08 | 3.08 | 4.62 | 4.62 | 64.465  | 18.842 | 0.42 |
| 1C | 290-1119.171 | 24.409  | -9.094  | 3.08 | 3.08 | 4.62 | 4.62 | 64.465  | 24.813 | 0.42 |
| 1D | 290-1119.171 | 24.409  | 6.836   | 3.08 | 3.08 | 4.62 | 4.62 | 64.465  | 18.842 | 0.42 |
| 1E | 290-1054.829 | -24.409 | -9.094  | 3.08 | 3.08 | 4.62 | 4.62 | 68.066  | 26.288 | 0.40 |
| 1F | 290-1054.829 | -24.409 | 6.836   | 3.08 | 3.08 | 4.62 | 4.62 | 68.066  | 19.985 | 0.40 |
| 1G | 290-1054.829 | 24.409  | -9.094  | 3.08 | 3.08 | 4.62 | 4.62 | 68.066  | 26.288 | 0.40 |
| 1H | 290-1054.829 | 24.409  | 6.836   | 3.08 | 3.08 | 4.62 | 4.62 | 68.066  | 19.985 | 0.40 |
| 1I | 290-1107.453 | -55.780 | -10.286 | 3.08 | 3.08 | 4.62 | 4.62 | 133.375 | 28.252 | 0.42 |
| 1J | 290-1107.453 | -55.780 | 8.029   | 3.08 | 3.08 | 4.62 | 4.62 | 133.375 | 22.313 | 0.42 |
| 1K | 290-1107.453 | 55.780  | -10.286 | 3.08 | 3.08 | 4.62 | 4.62 | 133.375 | 28.252 | 0.42 |
| 1L | 290-1107.453 | 55.780  | 8.029   | 3.08 | 3.08 | 4.62 | 4.62 | 133.375 | 22.313 | 0.42 |
| 1M | 290-1066.547 | -55.780 | -10.286 | 3.08 | 3.08 | 4.62 | 4.62 | 137.540 | 29.292 | 0.41 |
| 1N | 290-1066.547 | -55.780 | 8.029   | 3.08 | 3.08 | 4.62 | 4.62 | 137.540 | 23.016 | 0.41 |
| 1O | 290-1066.547 | 55.780  | -10.286 | 3.08 | 3.08 | 4.62 | 4.62 | 137.540 | 29.292 | 0.41 |
| 1P | 290-1066.547 | 55.780  | 8.029   | 3.08 | 3.08 | 4.62 | 4.62 | 137.540 | 23.016 | 0.41 |

ASTA NUM. 25 NI 51 NF 52 SEZ. Rp B= 0.600 H= 0.400 (pilastro)

PIL. NUM. 27

Copriferro: 3.0 cm

| NC | x          | Fx      | My      | Mz | APOST | AANT | AINF | ASUP | My.Res. | Mz.Res. | I.R.  | Note |
|----|------------|---------|---------|----|-------|------|------|------|---------|---------|-------|------|
|    | cm         | kN      | kN*m    |    |       |      |      |      | kN*m    |         | Fx, M |      |
| 1A | 0-1115.184 | 36.561  | 7.288   |    | 3.08  | 3.08 | 4.62 | 4.62 | 92.865  | 20.150  | 0.42  |      |
| 1B | 0-1115.184 | 36.561  | -31.388 |    | 3.08  | 3.08 | 4.62 | 4.62 | 92.865  | 76.852  | 0.42  |      |
| 1C | 0-1115.184 | -43.555 | 7.288   |    | 3.08  | 3.08 | 4.62 | 4.62 | 107.926 | 20.150  | 0.42  |      |
| 1D | 0-1115.184 | -43.555 | -31.388 |    | 3.08  | 3.08 | 4.62 | 4.62 | 107.926 | 76.852  | 0.42  |      |
| 1E | 0-1048.816 | 36.561  | 7.288   |    | 3.08  | 3.08 | 4.62 | 4.62 | 97.813  | 21.405  | 0.39  |      |
| 1F | 0-1048.816 | 36.561  | -31.388 |    | 3.08  | 3.08 | 4.62 | 4.62 | 97.813  | 80.917  | 0.39  |      |
| 1G | 0-1048.816 | -43.555 | 7.288   |    | 3.08  | 3.08 | 4.62 | 4.62 | 113.715 | 21.405  | 0.39  |      |
| 1H | 0-1048.816 | -43.555 | -31.388 |    | 3.08  | 3.08 | 4.62 | 4.62 | 113.715 | 80.917  | 0.39  |      |
| 1I | 0-1104.495 | 77.735  | 4.362   |    | 3.08  | 3.08 | 4.62 | 4.62 | 172.669 | 12.298  | 0.45  |      |
| 1J | 0-1104.495 | 77.735  | -28.462 |    | 3.08  | 3.08 | 4.62 | 4.62 | 172.669 | 71.288  | 0.45  |      |
| 1K | 0-1104.495 | -84.729 | 4.362   |    | 3.08  | 3.08 | 4.62 | 4.62 | 183.481 | 12.298  | 0.46  |      |
| 1L | 0-1104.495 | -84.729 | -28.462 |    | 3.08  | 3.08 | 4.62 | 4.62 | 183.481 | 71.288  | 0.46  |      |
| 1M | 0-1059.505 | 77.735  | 4.362   |    | 3.08  | 3.08 | 4.62 | 4.62 | 177.866 | 12.835  | 0.44  |      |
| 1N | 0-1059.505 | 77.735  | -28.462 |    | 3.08  | 3.08 | 4.62 | 4.62 | 177.866 | 73.870  | 0.44  |      |
| 1O | 0-1059.505 | -84.729 | 4.362   |    | 3.08  | 3.08 | 4.62 | 4.62 | 188.753 | 12.835  | 0.45  |      |
| 1P | 0-1059.505 | -84.729 | -28.462 |    | 3.08  | 3.08 | 4.62 | 4.62 | 188.753 | 73.870  | 0.45  |      |

|    |             |         |         |      |      |      |      |         |        |      |
|----|-------------|---------|---------|------|------|------|------|---------|--------|------|
| 1A | 70-1115.184 | 36.561  | 7.288   | 3.08 | 3.08 | 4.62 | 4.62 | 92.865  | 20.150 | 0.42 |
| 1B | 70-1115.184 | 36.561  | -31.388 | 3.08 | 3.08 | 4.62 | 4.62 | 92.865  | 76.852 | 0.42 |
| 1C | 70-1115.184 | -43.555 | 7.288   | 3.08 | 3.08 | 4.62 | 4.62 | 107.926 | 20.150 | 0.42 |
| 1D | 70-1115.184 | -43.555 | -31.388 | 3.08 | 3.08 | 4.62 | 4.62 | 107.926 | 76.852 | 0.42 |
| 1E | 70-1048.816 | 36.561  | 7.288   | 3.08 | 3.08 | 4.62 | 4.62 | 97.813  | 21.405 | 0.39 |
| 1F | 70-1048.816 | 36.561  | -31.388 | 3.08 | 3.08 | 4.62 | 4.62 | 97.813  | 80.917 | 0.39 |
| 1G | 70-1048.816 | -43.555 | 7.288   | 3.08 | 3.08 | 4.62 | 4.62 | 113.715 | 21.405 | 0.39 |
| 1H | 70-1048.816 | -43.555 | -31.388 | 3.08 | 3.08 | 4.62 | 4.62 | 113.715 | 80.917 | 0.39 |
| 1I | 70-1104.495 | 77.735  | 4.362   | 3.08 | 3.08 | 4.62 | 4.62 | 172.669 | 12.298 | 0.45 |
| 1J | 70-1104.495 | 77.735  | -28.462 | 3.08 | 3.08 | 4.62 | 4.62 | 172.669 | 71.288 | 0.45 |
| 1K | 70-1104.495 | -84.729 | 4.362   | 3.08 | 3.08 | 4.62 | 4.62 | 183.481 | 12.298 | 0.46 |
| 1L | 70-1104.495 | -84.729 | -28.462 | 3.08 | 3.08 | 4.62 | 4.62 | 183.481 | 71.288 | 0.46 |
| 1M | 70-1059.505 | 77.735  | 4.362   | 3.08 | 3.08 | 4.62 | 4.62 | 177.866 | 12.835 | 0.44 |
| 1N | 70-1059.505 | 77.735  | -28.462 | 3.08 | 3.08 | 4.62 | 4.62 | 177.866 | 73.870 | 0.44 |
| 1O | 70-1059.505 | -84.729 | 4.362   | 3.08 | 3.08 | 4.62 | 4.62 | 188.753 | 12.835 | 0.45 |
| 1P | 70-1059.505 | -84.729 | -28.462 | 3.08 | 3.08 | 4.62 | 4.62 | 188.753 | 73.870 | 0.45 |

|    |             |         |         |      |      |      |      |         |        |      |
|----|-------------|---------|---------|------|------|------|------|---------|--------|------|
| 1A | 86-1114.255 | 31.867  | 6.313   | 3.08 | 3.08 | 4.62 | 4.62 | 82.287  | 17.470 | 0.42 |
| 1B | 86-1114.255 | 31.867  | -28.446 | 3.08 | 3.08 | 4.62 | 4.62 | 82.287  | 70.717 | 0.42 |
| 1C | 86-1114.255 | -38.599 | 6.313   | 3.08 | 3.08 | 4.62 | 4.62 | 97.438  | 17.470 | 0.42 |
| 1D | 86-1114.255 | -38.599 | -28.446 | 3.08 | 3.08 | 4.62 | 4.62 | 97.438  | 70.717 | 0.42 |
| 1E | 86-1047.888 | 31.867  | 6.313   | 3.08 | 3.08 | 4.62 | 4.62 | 86.913  | 18.583 | 0.39 |
| 1F | 86-1047.888 | 31.867  | -28.446 | 3.08 | 3.08 | 4.62 | 4.62 | 86.913  | 74.532 | 0.39 |
| 1G | 86-1047.888 | -38.599 | 6.313   | 3.08 | 3.08 | 4.62 | 4.62 | 102.620 | 18.583 | 0.39 |
| 1H | 86-1047.888 | -38.599 | -28.446 | 3.08 | 3.08 | 4.62 | 4.62 | 102.620 | 74.532 | 0.39 |
| 1I | 86-1103.567 | 68.097  | 3.666   | 3.08 | 3.08 | 4.62 | 4.62 | 156.629 | 10.365 | 0.43 |
| 1J | 86-1103.567 | 68.097  | -25.799 | 3.08 | 3.08 | 4.62 | 4.62 | 156.629 | 65.518 | 0.43 |
| 1K | 86-1103.567 | -74.829 | 3.666   | 3.08 | 3.08 | 4.62 | 4.62 | 168.058 | 10.365 | 0.44 |
| 1L | 86-1103.567 | -74.829 | -25.799 | 3.08 | 3.08 | 4.62 | 4.62 | 168.058 | 65.518 | 0.44 |
| 1M | 86-1058.577 | 68.097  | 3.666   | 3.08 | 3.08 | 4.62 | 4.62 | 161.633 | 10.721 | 0.42 |
| 1N | 86-1058.577 | 68.097  | -25.799 | 3.08 | 3.08 | 4.62 | 4.62 | 161.633 | 67.937 | 0.42 |
| 1O | 86-1058.577 | -74.829 | 3.666   | 3.08 | 3.08 | 4.62 | 4.62 | 173.213 | 10.721 | 0.43 |
| 1P | 86-1058.577 | -74.829 | -25.799 | 3.08 | 3.08 | 4.62 | 4.62 | 173.213 | 67.937 | 0.43 |

|    |              |         |        |      |      |      |      |         |        |      |
|----|--------------|---------|--------|------|------|------|------|---------|--------|------|
| 1A | 274-1103.113 | -24.459 | -5.384 | 3.08 | 3.08 | 4.62 | 4.62 | 65.452  | 15.148 | 0.41 |
| 1B | 274-1103.113 | -24.459 | 6.853  | 3.08 | 3.08 | 4.62 | 4.62 | 65.452  | 19.163 | 0.41 |
| 1C | 274-1103.113 | 20.867  | -5.384 | 3.08 | 3.08 | 4.62 | 4.62 | 56.472  | 15.148 | 0.41 |
| 1D | 274-1103.113 | 20.867  | 6.853  | 3.08 | 3.08 | 4.62 | 4.62 | 56.472  | 19.163 | 0.41 |
| 1E | 274-1036.745 | -24.459 | -5.384 | 3.08 | 3.08 | 4.62 | 4.62 | 69.279  | 16.124 | 0.39 |
| 1F | 274-1036.745 | -24.459 | 6.853  | 3.08 | 3.08 | 4.62 | 4.62 | 69.279  | 20.379 | 0.39 |
| 1G | 274-1036.745 | 20.867  | -5.384 | 3.08 | 3.08 | 4.62 | 4.62 | 59.846  | 16.124 | 0.39 |
| 1H | 274-1036.745 | 20.867  | 6.853  | 3.08 | 3.08 | 4.62 | 4.62 | 59.846  | 20.379 | 0.39 |
| 1I | 274-1092.424 | -47.557 | -4.684 | 3.08 | 3.08 | 4.62 | 4.62 | 118.328 | 13.264 | 0.41 |
| 1J | 274-1092.424 | -47.557 | 6.153  | 3.08 | 3.08 | 4.62 | 4.62 | 118.328 | 17.366 | 0.41 |
| 1K | 274-1092.424 | 43.965  | -4.684 | 3.08 | 3.08 | 4.62 | 4.62 | 110.727 | 13.264 | 0.41 |
| 1L | 274-1092.424 | 43.965  | 6.153  | 3.08 | 3.08 | 4.62 | 4.62 | 110.727 | 17.366 | 0.41 |
| 1M | 274-1047.434 | -47.557 | -4.684 | 3.08 | 3.08 | 4.62 | 4.62 | 122.562 | 13.852 | 0.39 |
| 1N | 274-1047.434 | -47.557 | 6.153  | 3.08 | 3.08 | 4.62 | 4.62 | 122.562 | 18.118 | 0.39 |
| 1O | 274-1047.434 | 43.965  | -4.684 | 3.08 | 3.08 | 4.62 | 4.62 | 114.749 | 13.852 | 0.39 |
| 1P | 274-1047.434 | 43.965  | 6.153  | 3.08 | 3.08 | 4.62 | 4.62 | 114.749 | 18.118 | 0.39 |

|    |              |         |        |      |      |      |      |         |        |      |
|----|--------------|---------|--------|------|------|------|------|---------|--------|------|
| 1A | 290-1102.184 | -29.070 | -6.985 | 3.08 | 3.08 | 4.62 | 4.62 | 76.502  | 19.545 | 0.41 |
| 1B | 290-1102.184 | -29.070 | 9.169  | 3.08 | 3.08 | 4.62 | 4.62 | 76.502  | 25.392 | 0.41 |
| 1C | 290-1102.184 | 25.906  | -6.985 | 3.08 | 3.08 | 4.62 | 4.62 | 69.044  | 19.545 | 0.41 |
| 1D | 290-1102.184 | 25.906  | 9.169  | 3.08 | 3.08 | 4.62 | 4.62 | 69.044  | 25.392 | 0.41 |
| 1E | 290-1035.816 | -29.070 | -6.985 | 3.08 | 3.08 | 4.62 | 4.62 | 80.907  | 20.782 | 0.39 |
| 1F | 290-1035.816 | -29.070 | 9.169  | 3.08 | 3.08 | 4.62 | 4.62 | 80.907  | 26.972 | 0.39 |
| 1G | 290-1035.816 | 25.906  | -6.985 | 3.08 | 3.08 | 4.62 | 4.62 | 73.054  | 20.782 | 0.39 |
| 1H | 290-1035.816 | 25.906  | 9.169  | 3.08 | 3.08 | 4.62 | 4.62 | 73.054  | 26.972 | 0.39 |
| 1I | 290-1091.495 | -57.112 | -6.005 | 3.08 | 3.08 | 4.62 | 4.62 | 137.593 | 16.959 | 0.41 |
| 1J | 290-1091.495 | -57.112 | 8.190  | 3.08 | 3.08 | 4.62 | 4.62 | 137.593 | 23.075 | 0.41 |
| 1K | 290-1091.495 | 53.948  | -6.005 | 3.08 | 3.08 | 4.62 | 4.62 | 131.320 | 16.959 | 0.41 |
| 1L | 290-1091.495 | 53.948  | 8.190  | 3.08 | 3.08 | 4.62 | 4.62 | 131.320 | 23.075 | 0.41 |
| 1M | 290-1046.505 | -57.112 | -6.005 | 3.08 | 3.08 | 4.62 | 4.62 | 142.363 | 17.696 | 0.40 |
| 1N | 290-1046.505 | -57.112 | 8.190  | 3.08 | 3.08 | 4.62 | 4.62 | 142.363 | 23.916 | 0.40 |
| 1O | 290-1046.505 | 53.948  | -6.005 | 3.08 | 3.08 | 4.62 | 4.62 | 135.933 | 17.696 | 0.40 |
| 1P | 290-1046.505 | 53.948  | 8.190  | 3.08 | 3.08 | 4.62 | 4.62 | 135.933 | 23.916 | 0.40 |

ASTA NUM. 26 NI 53 NF 54 SEZ. Rp B= 0.600 H= 0.400 (pilastro)

PIL. NUM. 21

Copriferro: 3.0 cm

| NC | x                 | Fx      | My      | Mz | APOST | AANT | AINF | ASUP | My.Res. | Mz.Res. | I.R. | Note |
|----|-------------------|---------|---------|----|-------|------|------|------|---------|---------|------|------|
|    | cm                | kN      | kN*m    |    | cmq   |      |      |      | kN*m    |         | Fx,M |      |
| 1A | 0-941.727         | 45.760  | 20.706  |    | 3.08  | 3.08 | 4.62 | 4.62 | 129.487 | 62.078  | 0.35 |      |
| 1B | 0-941.727         | 45.760  | -33.792 |    | 3.08  | 3.08 | 4.62 | 4.62 | 129.487 | 93.825  | 0.36 |      |
| 1C | 0-941.727         | -73.440 | 20.706  |    | 3.08  | 3.08 | 4.62 | 4.62 | 185.562 | 62.078  | 0.40 |      |
| 1D | 0-941.727         | -73.440 | -33.792 |    | 3.08  | 3.08 | 4.62 | 4.62 | 185.562 | 93.825  | 0.40 |      |
| 1E | 0-879.473         | 45.760  | 20.706  |    | 3.08  | 3.08 | 4.62 | 4.62 | 136.965 | 65.923  | 0.33 |      |
| 1F | 0-879.473         | 45.760  | -33.792 |    | 3.08  | 3.08 | 4.62 | 4.62 | 136.965 | 99.122  | 0.34 |      |
| 1G | 0-879.473         | -73.440 | 20.706  |    | 3.08  | 3.08 | 4.62 | 4.62 | 194.255 | 65.923  | 0.38 |      |
| 1H | 0-879.473         | -73.440 | -33.792 |    | 3.08  | 3.08 | 4.62 | 4.62 | 194.255 | 99.122  | 0.38 |      |
| 1I | 0-939.494         | 115.879 | 6.633   |    | 3.08  | 3.08 | 4.62 | 4.62 | 240.900 | 21.742  | 0.48 |      |
| 1J | 0-939.494         | 115.879 | -19.719 |    | 3.08  | 3.08 | 4.62 | 4.62 | 240.900 | 59.727  | 0.48 |      |
| 1K | 0-939.494-143.559 | 6.633   |         |    | 3.08  | 3.08 | 4.62 | 4.62 | 261.506 | 21.742  | 0.55 |      |
| 1L | 0-939.494-143.559 | -19.719 |         |    | 3.08  | 3.08 | 4.62 | 4.62 | 261.506 | 59.727  | 0.55 |      |
| 1M | 0-881.706         | 115.879 | 6.633   |    | 3.08  | 3.08 | 4.62 | 4.62 | 247.536 | 23.002  | 0.47 |      |
| 1N | 0-881.706         | 115.879 | -19.719 |    | 3.08  | 3.08 | 4.62 | 4.62 | 247.536 | 63.018  | 0.47 |      |
| 1O | 0-881.706-143.559 | 6.633   |         |    | 3.08  | 3.08 | 4.62 | 4.62 | 266.557 | 23.002  | 0.54 |      |
| 1P | 0-881.706-143.559 | -19.719 |         |    | 3.08  | 3.08 | 4.62 | 4.62 | 266.557 | 63.018  | 0.54 |      |
| 1A | 70-941.727        | 45.760  | 20.706  |    | 3.08  | 3.08 | 4.62 | 4.62 | 129.487 | 62.078  | 0.35 |      |
| 1B | 70-941.727        | 45.760  | -33.792 |    | 3.08  | 3.08 | 4.62 | 4.62 | 129.487 | 93.825  | 0.36 |      |
| 1C | 70-941.727        | -73.440 | 20.706  |    | 3.08  | 3.08 | 4.62 | 4.62 | 185.562 | 62.078  | 0.40 |      |
| 1D | 70-941.727        | -73.440 | -33.792 |    | 3.08  | 3.08 | 4.62 | 4.62 | 185.562 | 93.825  | 0.40 |      |

|    |             |          |         |      |      |      |      |         |         |      |
|----|-------------|----------|---------|------|------|------|------|---------|---------|------|
| 1E | 70-879.473  | 45.760   | 20.706  | 3.08 | 3.08 | 4.62 | 4.62 | 136.965 | 65.923  | 0.33 |
| 1F | 70-879.473  | 45.760   | -33.792 | 3.08 | 3.08 | 4.62 | 4.62 | 136.965 | 99.122  | 0.34 |
| 1G | 70-879.473  | -73.440  | 20.706  | 3.08 | 3.08 | 4.62 | 4.62 | 194.255 | 65.923  | 0.38 |
| 1H | 70-879.473  | -73.440  | -33.792 | 3.08 | 3.08 | 4.62 | 4.62 | 194.255 | 99.122  | 0.38 |
| 1I | 70-939.494  | 115.879  | 6.633   | 3.08 | 3.08 | 4.62 | 4.62 | 240.900 | 21.742  | 0.48 |
| 1J | 70-939.494  | 115.879  | -19.719 | 3.08 | 3.08 | 4.62 | 4.62 | 240.900 | 59.727  | 0.48 |
| 1K | 70-939.494  | -143.559 | 6.633   | 3.08 | 3.08 | 4.62 | 4.62 | 261.506 | 21.742  | 0.55 |
| 1L | 70-939.494  | -143.559 | -19.719 | 3.08 | 3.08 | 4.62 | 4.62 | 261.506 | 59.727  | 0.55 |
| 1M | 70-881.706  | 115.879  | 6.633   | 3.08 | 3.08 | 4.62 | 4.62 | 247.536 | 23.002  | 0.47 |
| 1N | 70-881.706  | 115.879  | -19.719 | 3.08 | 3.08 | 4.62 | 4.62 | 247.536 | 63.018  | 0.47 |
| 1O | 70-881.706  | -143.559 | 6.633   | 3.08 | 3.08 | 4.62 | 4.62 | 266.557 | 23.002  | 0.54 |
| 1P | 70-881.706  | -143.559 | -19.719 | 3.08 | 3.08 | 4.62 | 4.62 | 266.557 | 63.018  | 0.54 |
| 1A | 86-940.806  | 38.114   | 19.076  | 3.08 | 3.08 | 4.62 | 4.62 | 111.350 | 57.929  | 0.35 |
| 1B | 86-940.806  | 38.114   | -28.441 | 3.08 | 3.08 | 4.62 | 4.62 | 111.350 | 81.446  | 0.35 |
| 1C | 86-940.806  | -66.838  | 19.076  | 3.08 | 3.08 | 4.62 | 4.62 | 173.837 | 57.929  | 0.38 |
| 1D | 86-940.806  | -66.838  | -28.441 | 3.08 | 3.08 | 4.62 | 4.62 | 173.837 | 81.446  | 0.38 |
| 1E | 86-878.552  | 38.114   | 19.076  | 3.08 | 3.08 | 4.62 | 4.62 | 117.983 | 61.392  | 0.33 |
| 1F | 86-878.552  | 38.114   | -28.441 | 3.08 | 3.08 | 4.62 | 4.62 | 117.983 | 86.239  | 0.33 |
| 1G | 86-878.552  | -66.838  | 19.076  | 3.08 | 3.08 | 4.62 | 4.62 | 182.430 | 61.392  | 0.37 |
| 1H | 86-878.552  | -66.838  | -28.441 | 3.08 | 3.08 | 4.62 | 4.62 | 182.430 | 86.239  | 0.37 |
| 1I | 86-938.573  | 99.958   | 6.832   | 3.08 | 3.08 | 4.62 | 4.62 | 224.225 | 22.403  | 0.45 |
| 1J | 86-938.573  | 99.958   | -16.198 | 3.08 | 3.08 | 4.62 | 4.62 | 224.225 | 50.125  | 0.45 |
| 1K | 86-938.573  | -128.683 | 6.832   | 3.08 | 3.08 | 4.62 | 4.62 | 251.724 | 22.403  | 0.51 |
| 1L | 86-938.573  | -128.683 | -16.198 | 3.08 | 3.08 | 4.62 | 4.62 | 251.724 | 50.125  | 0.51 |
| 1M | 86-880.785  | 99.958   | 6.832   | 3.08 | 3.08 | 4.62 | 4.62 | 231.640 | 23.708  | 0.43 |
| 1N | 86-880.785  | 99.958   | -16.198 | 3.08 | 3.08 | 4.62 | 4.62 | 231.640 | 53.090  | 0.43 |
| 1O | 86-880.785  | -128.683 | 6.832   | 3.08 | 3.08 | 4.62 | 4.62 | 257.631 | 23.708  | 0.50 |
| 1P | 86-880.785  | -128.683 | -16.198 | 3.08 | 3.08 | 4.62 | 4.62 | 257.631 | 53.090  | 0.50 |
| 1A | 274-929.748 | -53.640  | -0.484  | 3.08 | 3.08 | 4.62 | 4.62 | 148.669 | 1.395   | 0.36 |
| 1B | 274-929.748 | -53.640  | 35.764  | 3.08 | 3.08 | 4.62 | 4.62 | 148.669 | 99.211  | 0.36 |
| 1C | 274-929.748 | 12.384   | -0.484  | 3.08 | 3.08 | 4.62 | 4.62 | 40.731  | 1.395   | 0.35 |
| 1D | 274-929.748 | 12.384   | 35.764  | 3.08 | 3.08 | 4.62 | 4.62 | 40.731  | 99.211  | 0.36 |
| 1E | 274-867.495 | -53.640  | -0.484  | 3.08 | 3.08 | 4.62 | 4.62 | 156.874 | 1.492   | 0.34 |
| 1F | 274-867.495 | -53.640  | 35.764  | 3.08 | 3.08 | 4.62 | 4.62 | 156.874 | 104.683 | 0.34 |
| 1G | 274-867.495 | 12.384   | -0.484  | 3.08 | 3.08 | 4.62 | 4.62 | 43.388  | 1.492   | 0.33 |
| 1H | 274-867.495 | 12.384   | 35.764  | 3.08 | 3.08 | 4.62 | 4.62 | 43.388  | 104.683 | 0.34 |
| 1I | 274-927.516 | -91.089  | 9.225   | 3.08 | 3.08 | 4.62 | 4.62 | 214.438 | 30.167  | 0.42 |
| 1J | 274-927.516 | -91.089  | 26.055  | 3.08 | 3.08 | 4.62 | 4.62 | 214.438 | 76.726  | 0.42 |
| 1K | 274-927.516 | 49.834   | 9.225   | 3.08 | 3.08 | 4.62 | 4.62 | 140.580 | 30.167  | 0.35 |
| 1L | 274-927.516 | 49.834   | 26.055  | 3.08 | 3.08 | 4.62 | 4.62 | 140.580 | 76.726  | 0.35 |
| 1M | 274-869.728 | -91.089  | 9.225   | 3.08 | 3.08 | 4.62 | 4.62 | 222.231 | 31.932  | 0.41 |
| 1N | 274-869.728 | -91.089  | 26.055  | 3.08 | 3.08 | 4.62 | 4.62 | 222.231 | 80.986  | 0.41 |
| 1O | 274-869.728 | 49.834   | 9.225   | 3.08 | 3.08 | 4.62 | 4.62 | 147.859 | 31.932  | 0.34 |
| 1P | 274-869.728 | 49.834   | 26.055  | 3.08 | 3.08 | 4.62 | 4.62 | 147.859 | 80.986  | 0.34 |
| 1A | 290-928.827 | -60.954  | -3.298  | 3.08 | 3.08 | 4.62 | 4.62 | 164.053 | 11.010  | 0.37 |
| 1B | 290-928.827 | -60.954  | 39.930  | 3.08 | 3.08 | 4.62 | 4.62 | 164.053 | 108.097 | 0.37 |
| 1C | 290-928.827 | 19.318   | -3.298  | 3.08 | 3.08 | 4.62 | 4.62 | 61.697  | 11.010  | 0.35 |
| 1D | 290-928.827 | 19.318   | 39.930  | 3.08 | 3.08 | 4.62 | 4.62 | 61.697  | 108.097 | 0.37 |
| 1E | 290-866.573 | -60.954  | -3.298  | 3.08 | 3.08 | 4.62 | 4.62 | 172.596 | 11.837  | 0.35 |
| 1F | 290-866.573 | -60.954  | 39.930  | 3.08 | 3.08 | 4.62 | 4.62 | 172.596 | 113.843 | 0.35 |
| 1G | 290-866.573 | 19.318   | -3.298  | 3.08 | 3.08 | 4.62 | 4.62 | 65.777  | 11.837  | 0.33 |
| 1H | 290-866.573 | 19.318   | 39.930  | 3.08 | 3.08 | 4.62 | 4.62 | 65.777  | 113.843 | 0.35 |
| 1I | 290-926.594 | -106.678 | 8.240   | 3.08 | 3.08 | 4.62 | 4.62 | 233.277 | 27.092  | 0.46 |
| 1J | 290-926.594 | -106.678 | 28.392  | 3.08 | 3.08 | 4.62 | 4.62 | 233.277 | 82.374  | 0.46 |
| 1K | 290-926.594 | 65.042   | 8.240   | 3.08 | 3.08 | 4.62 | 4.62 | 172.341 | 27.092  | 0.38 |
| 1L | 290-926.594 | 65.042   | 28.392  | 3.08 | 3.08 | 4.62 | 4.62 | 172.341 | 82.374  | 0.38 |
| 1M | 290-868.806 | -106.678 | 8.240   | 3.08 | 3.08 | 4.62 | 4.62 | 240.414 | 28.826  | 0.44 |
| 1N | 290-868.806 | -106.678 | 28.392  | 3.08 | 3.08 | 4.62 | 4.62 | 240.414 | 86.913  | 0.44 |
| 1O | 290-868.806 | 65.042   | 8.240   | 3.08 | 3.08 | 4.62 | 4.62 | 180.402 | 28.826  | 0.36 |
| 1P | 290-868.806 | 65.042   | 28.392  | 3.08 | 3.08 | 4.62 | 4.62 | 180.402 | 86.913  | 0.36 |

ASTA NUM. 27 NI 55 NF 56 SEZ. Rp B= 0.600 H= 0.400 (pilastro)

PIL. NUM. 22

Copriferro: 3.0 cm

| NC | x          | Fx      | My     | Mz   | APOST | AANT | AINF | ASUP    | My.Res. | Mz.Res. | I.R. | Note |
|----|------------|---------|--------|------|-------|------|------|---------|---------|---------|------|------|
|    | cm         | kN      | kN*m   |      |       |      |      |         |         |         | Fx,M |      |
| 1A | 0-896.988  | 36.562  | 34.253 | 3.08 | 3.08  | 4.62 | 4.62 | 111.931 | 98.636  | 0.35    |      |      |
| 1B | 0-896.988  | 36.562  | -3.693 | 3.08 | 3.08  | 4.62 | 4.62 | 111.931 | 12.835  | 0.34    |      |      |
| 1C | 0-896.988  | -48.920 | 34.253 | 3.08 | 3.08  | 4.62 | 4.62 | 142.288 | 98.636  | 0.35    |      |      |
| 1D | 0-896.988  | -48.920 | -3.693 | 3.08 | 3.08  | 4.62 | 4.62 | 142.288 | 12.835  | 0.34    |      |      |
| 1E | 0-813.012  | 36.562  | 34.253 | 3.08 | 3.08  | 4.62 | 4.62 | 121.588 | 106.449 | 0.32    |      |      |
| 1F | 0-813.012  | 36.562  | -3.693 | 3.08 | 3.08  | 4.62 | 4.62 | 121.588 | 14.076  | 0.31    |      |      |
| 1G | 0-813.012  | -48.920 | 34.253 | 3.08 | 3.08  | 4.62 | 4.62 | 153.633 | 106.449 | 0.32    |      |      |
| 1H | 0-813.012  | -48.920 | -3.693 | 3.08 | 3.08  | 4.62 | 4.62 | 153.633 | 14.076  | 0.32    |      |      |
| 1I | 0-876.842  | 85.968  | 25.834 | 3.08 | 3.08  | 4.62 | 4.62 | 214.232 | 79.865  | 0.40    |      |      |
| 1J | 0-876.842  | 85.968  | 4.726  | 3.08 | 3.08  | 4.62 | 4.62 | 214.232 | 16.734  | 0.40    |      |      |
| 1K | 0-876.842  | -98.326 | 25.834 | 3.08 | 3.08  | 4.62 | 4.62 | 230.263 | 79.865  | 0.43    |      |      |
| 1L | 0-876.842  | -98.326 | 4.726  | 3.08 | 3.08  | 4.62 | 4.62 | 230.263 | 16.734  | 0.43    |      |      |
| 1M | 0-833.158  | 85.968  | 25.834 | 3.08 | 3.08  | 4.62 | 4.62 | 220.442 | 83.198  | 0.39    |      |      |
| 1N | 0-833.158  | 85.968  | 4.726  | 3.08 | 3.08  | 4.62 | 4.62 | 220.442 | 17.490  | 0.39    |      |      |
| 1O | 0-833.158  | -98.326 | 25.834 | 3.08 | 3.08  | 4.62 | 4.62 | 236.063 | 83.198  | 0.42    |      |      |
| 1P | 0-833.158  | -98.326 | 4.726  | 3.08 | 3.08  | 4.62 | 4.62 | 236.063 | 17.490  | 0.42    |      |      |
| 1A | 70-896.988 | 36.562  | 34.253 | 3.08 | 3.08  | 4.62 | 4.62 | 111.931 | 98.636  | 0.35    |      |      |
| 1B | 70-896.988 | 36.562  | -3.693 | 3.08 | 3.08  | 4.62 | 4.62 | 111.931 | 12.835  | 0.34    |      |      |
| 1C | 70-896.988 | -48.920 | 34.253 | 3.08 | 3.08  | 4.62 | 4.62 | 142.288 | 98.636  | 0.35    |      |      |
| 1D | 70-896.988 | -48.920 | -3.693 | 3.08 | 3.08  | 4.62 | 4.62 | 142.288 | 12.835  | 0.34    |      |      |
| 1E | 70-813.012 | 36.562  | 34.253 | 3.08 | 3.08  | 4.62 | 4.62 | 121.588 | 106.449 | 0.32    |      |      |
| 1F | 70-813.012 | 36.562  | -3.693 | 3.08 | 3.08  | 4.62 | 4.62 | 121.588 | 14.076  | 0.31    |      |      |
| 1G | 70-813.012 | -48.920 | 34.253 | 3.08 | 3.08  | 4.62 | 4.62 | 153.633 | 106.449 | 0.32    |      |      |
| 1H | 70-813.012 | -48.920 | -3.693 | 3.08 | 3.08  | 4.62 | 4.62 | 153.633 | 14.076  | 0.32    |      |      |
| 1I | 70-876.842 | 85.968  | 25.834 | 3.08 | 3.08  | 4.62 | 4.62 | 214.232 | 79.865  | 0.40    |      |      |

|    |             |         |        |      |      |      |      |         |        |      |
|----|-------------|---------|--------|------|------|------|------|---------|--------|------|
| 1J | 70-876.842  | 85.968  | 4.726  | 3.08 | 3.08 | 4.62 | 4.62 | 214.232 | 16.734 | 0.40 |
| 1K | 70-876.842  | -98.326 | 25.834 | 3.08 | 3.08 | 4.62 | 4.62 | 230.263 | 79.865 | 0.43 |
| 1L | 70-876.842  | -98.326 | 4.726  | 3.08 | 3.08 | 4.62 | 4.62 | 230.263 | 16.734 | 0.43 |
| 1M | 70-833.158  | 85.968  | 25.834 | 3.08 | 3.08 | 4.62 | 4.62 | 220.442 | 83.198 | 0.39 |
| 1N | 70-833.158  | 85.968  | 4.726  | 3.08 | 3.08 | 4.62 | 4.62 | 220.442 | 17.490 | 0.39 |
| 1O | 70-833.158  | -98.326 | 25.834 | 3.08 | 3.08 | 4.62 | 4.62 | 236.063 | 83.198 | 0.42 |
| 1P | 70-833.158  | -98.326 | 4.726  | 3.08 | 3.08 | 4.62 | 4.62 | 236.063 | 17.490 | 0.42 |
| 1A | 86-896.059  | 29.599  | 31.187 | 3.08 | 3.08 | 4.62 | 4.62 | 93.480  | 91.527 | 0.34 |
| 1B | 86-896.059  | 29.599  | -3.140 | 3.08 | 3.08 | 4.62 | 4.62 | 93.480  | 10.856 | 0.34 |
| 1C | 86-896.059  | -45.912 | 31.187 | 3.08 | 3.08 | 4.62 | 4.62 | 135.257 | 91.527 | 0.34 |
| 1D | 86-896.059  | -45.912 | -3.140 | 3.08 | 3.08 | 4.62 | 4.62 | 135.257 | 10.856 | 0.34 |
| 1E | 86-812.083  | 29.599  | 31.187 | 3.08 | 3.08 | 4.62 | 4.62 | 101.685 | 99.082 | 0.31 |
| 1F | 86-812.083  | 29.599  | -3.140 | 3.08 | 3.08 | 4.62 | 4.62 | 101.685 | 12.031 | 0.31 |
| 1G | 86-812.083  | -45.912 | 31.187 | 3.08 | 3.08 | 4.62 | 4.62 | 146.486 | 99.082 | 0.31 |
| 1H | 86-812.083  | -45.912 | -3.140 | 3.08 | 3.08 | 4.62 | 4.62 | 146.486 | 12.031 | 0.31 |
| 1I | 86-875.913  | 73.240  | 23.565 | 3.08 | 3.08 | 4.62 | 4.62 | 194.424 | 73.963 | 0.38 |
| 1J | 86-875.913  | 73.240  | 4.482  | 3.08 | 3.08 | 4.62 | 4.62 | 194.424 | 15.886 | 0.38 |
| 1K | 86-875.913  | -89.552 | 23.565 | 3.08 | 3.08 | 4.62 | 4.62 | 219.333 | 73.963 | 0.41 |
| 1L | 86-875.913  | -89.552 | 4.482  | 3.08 | 3.08 | 4.62 | 4.62 | 219.333 | 15.886 | 0.41 |
| 1M | 86-832.229  | 73.240  | 23.565 | 3.08 | 3.08 | 4.62 | 4.62 | 200.859 | 77.242 | 0.36 |
| 1N | 86-832.229  | 73.240  | 4.482  | 3.08 | 3.08 | 4.62 | 4.62 | 200.859 | 16.721 | 0.36 |
| 1O | 86-832.229  | -89.552 | 23.565 | 3.08 | 3.08 | 4.62 | 4.62 | 225.446 | 77.242 | 0.40 |
| 1P | 86-832.229  | -89.552 | 4.482  | 3.08 | 3.08 | 4.62 | 4.62 | 225.446 | 16.721 | 0.40 |
| 1A | 274-884.917 | -53.953 | -5.609 | 3.08 | 3.08 | 4.62 | 4.62 | 155.197 | 19.547 | 0.35 |
| 1B | 274-884.917 | -53.953 | 3.498  | 3.08 | 3.08 | 4.62 | 4.62 | 155.197 | 12.309 | 0.35 |
| 1C | 274-884.917 | -9.812  | -5.609 | 3.08 | 3.08 | 4.62 | 4.62 | 34.111  | 19.547 | 0.33 |
| 1D | 274-884.917 | -9.812  | 3.498  | 3.08 | 3.08 | 4.62 | 4.62 | 34.111  | 12.309 | 0.33 |
| 1E | 274-800.941 | -53.953 | -5.609 | 3.08 | 3.08 | 4.62 | 4.62 | 167.249 | 21.568 | 0.32 |
| 1F | 274-800.941 | -53.953 | 3.498  | 3.08 | 3.08 | 4.62 | 4.62 | 167.249 | 13.518 | 0.32 |
| 1G | 274-800.941 | -9.812  | -5.609 | 3.08 | 3.08 | 4.62 | 4.62 | 37.582  | 21.568 | 0.30 |
| 1H | 274-800.941 | -9.812  | 3.498  | 3.08 | 3.08 | 4.62 | 4.62 | 37.582  | 13.518 | 0.30 |
| 1I | 274-864.771 | -79.499 | -3.668 | 3.08 | 3.08 | 4.62 | 4.62 | 206.293 | 13.116 | 0.39 |
| 1J | 274-864.771 | -79.499 | 1.557  | 3.08 | 3.08 | 4.62 | 4.62 | 206.293 | 5.521  | 0.39 |
| 1K | 274-864.771 | 15.733  | -3.668 | 3.08 | 3.08 | 4.62 | 4.62 | 54.593  | 13.116 | 0.32 |
| 1L | 274-864.771 | 15.733  | 1.557  | 3.08 | 3.08 | 4.62 | 4.62 | 54.593  | 5.521  | 0.32 |
| 1M | 274-821.087 | -79.499 | -3.668 | 3.08 | 3.08 | 4.62 | 4.62 | 212.692 | 13.836 | 0.37 |
| 1N | 274-821.087 | -79.499 | 1.557  | 3.08 | 3.08 | 4.62 | 4.62 | 212.692 | 5.825  | 0.37 |
| 1O | 274-821.087 | 15.733  | -3.668 | 3.08 | 3.08 | 4.62 | 4.62 | 57.157  | 13.836 | 0.31 |
| 1P | 274-821.087 | 15.733  | 1.557  | 3.08 | 3.08 | 4.62 | 4.62 | 57.157  | 5.825  | 0.31 |
| 1A | 290-883.988 | -59.658 | -7.875 | 3.08 | 3.08 | 4.62 | 4.62 | 167.477 | 27.139 | 0.36 |
| 1B | 290-883.988 | -59.658 | 4.850  | 3.08 | 3.08 | 4.62 | 4.62 | 167.477 | 17.034 | 0.36 |
| 1C | 290-883.988 | -5.546  | -7.875 | 3.08 | 3.08 | 4.62 | 4.62 | 19.557  | 27.139 | 0.33 |
| 1D | 290-883.988 | -5.546  | 4.850  | 3.08 | 3.08 | 4.62 | 4.62 | 19.557  | 17.034 | 0.33 |
| 1E | 290-800.012 | -59.658 | -7.875 | 3.08 | 3.08 | 4.62 | 4.62 | 179.909 | 29.872 | 0.33 |
| 1F | 290-800.012 | -59.658 | 4.850  | 3.08 | 3.08 | 4.62 | 4.62 | 179.909 | 18.701 | 0.33 |
| 1G | 290-800.012 | -5.546  | -7.875 | 3.08 | 3.08 | 4.62 | 4.62 | 21.632  | 29.872 | 0.30 |
| 1H | 290-800.012 | -5.546  | 4.850  | 3.08 | 3.08 | 4.62 | 4.62 | 21.632  | 18.701 | 0.30 |
| 1I | 290-863.842 | -90.969 | -5.138 | 3.08 | 3.08 | 4.62 | 4.62 | 222.884 | 18.343 | 0.41 |
| 1J | 290-863.842 | -90.969 | 2.113  | 3.08 | 3.08 | 4.62 | 4.62 | 222.884 | 7.603  | 0.41 |
| 1K | 290-863.842 | 25.765  | -5.138 | 3.08 | 3.08 | 4.62 | 4.62 | 85.428  | 18.343 | 0.32 |
| 1L | 290-863.842 | 25.765  | 2.113  | 3.08 | 3.08 | 4.62 | 4.62 | 85.428  | 7.603  | 0.32 |
| 1M | 290-820.158 | -90.969 | -5.138 | 3.08 | 3.08 | 4.62 | 4.62 | 228.996 | 19.321 | 0.40 |
| 1N | 290-820.158 | -90.969 | 2.113  | 3.08 | 3.08 | 4.62 | 4.62 | 228.996 | 7.960  | 0.40 |
| 1O | 290-820.158 | 25.765  | -5.138 | 3.08 | 3.08 | 4.62 | 4.62 | 89.445  | 19.321 | 0.31 |
| 1P | 290-820.158 | 25.765  | 2.113  | 3.08 | 3.08 | 4.62 | 4.62 | 89.445  | 7.960  | 0.31 |

ASTA NUM. 28 NI 57 NF 58 SEZ. Rp B= 0.600 H= 0.400 (pilastro)

PILL. NUM. 23

Copriferro: 3.0 cm

| NC | x           | Fx      | My      | Mz | APOST | AANT | AINF | ASUP | My.Res. | Mz.Res. | I.R.  | Note |
|----|-------------|---------|---------|----|-------|------|------|------|---------|---------|-------|------|
|    | cm          | kN      | kN*m    |    |       |      |      |      | kN*m    |         | Fx, M |      |
| 1A | 0-1158.515  | 42.876  | 7.227   |    | 3.08  | 3.08 | 4.62 | 4.62 | 103.038 | 19.241  | 0.44  |      |
| 1B | 0-1158.515  | 42.876  | -29.187 |    | 3.08  | 3.08 | 4.62 | 4.62 | 103.038 | 69.915  | 0.44  |      |
| 1C | 0-1158.515  | -42.626 | 7.227   |    | 3.08  | 3.08 | 4.62 | 4.62 | 102.520 | 19.241  | 0.44  |      |
| 1D | 0-1158.515  | -42.626 | -29.187 |    | 3.08  | 3.08 | 4.62 | 4.62 | 102.520 | 69.915  | 0.44  |      |
| 1E | 0-1045.485  | 42.876  | 7.227   |    | 3.08  | 3.08 | 4.62 | 4.62 | 112.512 | 21.296  | 0.39  |      |
| 1F | 0-1045.485  | 42.876  | -29.187 |    | 3.08  | 3.08 | 4.62 | 4.62 | 112.512 | 76.324  | 0.39  |      |
| 1G | 0-1045.485  | -42.626 | 7.227   |    | 3.08  | 3.08 | 4.62 | 4.62 | 111.957 | 21.296  | 0.39  |      |
| 1H | 0-1045.485  | -42.626 | -29.187 |    | 3.08  | 3.08 | 4.62 | 4.62 | 111.957 | 76.324  | 0.39  |      |
| 1I | 0-1128.737  | 91.274  | -1.765  |    | 3.08  | 3.08 | 4.62 | 4.62 | 190.165 | 4.723   | 0.48  |      |
| 1J | 0-1128.737  | 91.274  | -20.195 |    | 3.08  | 3.08 | 4.62 | 4.62 | 190.165 | 51.790  | 0.48  |      |
| 1K | 0-1128.737  | -91.024 | -1.765  |    | 3.08  | 3.08 | 4.62 | 4.62 | 189.817 | 4.723   | 0.48  |      |
| 1L | 0-1128.737  | -91.024 | -20.195 |    | 3.08  | 3.08 | 4.62 | 4.62 | 189.817 | 51.790  | 0.48  |      |
| 1M | 0-1075.263  | 91.274  | -1.765  |    | 3.08  | 3.08 | 4.62 | 4.62 | 196.342 | 4.985   | 0.46  |      |
| 1N | 0-1075.263  | 91.274  | -20.195 |    | 3.08  | 3.08 | 4.62 | 4.62 | 196.342 | 54.104  | 0.46  |      |
| 1O | 0-1075.263  | -91.024 | -1.765  |    | 3.08  | 3.08 | 4.62 | 4.62 | 195.995 | 4.985   | 0.46  |      |
| 1P | 0-1075.263  | -91.024 | -20.195 |    | 3.08  | 3.08 | 4.62 | 4.62 | 195.995 | 54.104  | 0.46  |      |
| 1A | 70-1158.515 | 42.876  | 7.227   |    | 3.08  | 3.08 | 4.62 | 4.62 | 103.038 | 19.241  | 0.44  |      |
| 1B | 70-1158.515 | 42.876  | -29.187 |    | 3.08  | 3.08 | 4.62 | 4.62 | 103.038 | 69.915  | 0.44  |      |
| 1C | 70-1158.515 | -42.626 | 7.227   |    | 3.08  | 3.08 | 4.62 | 4.62 | 102.520 | 19.241  | 0.44  |      |
| 1D | 70-1158.515 | -42.626 | -29.187 |    | 3.08  | 3.08 | 4.62 | 4.62 | 102.520 | 69.915  | 0.44  |      |
| 1E | 70-1045.485 | 42.876  | 7.227   |    | 3.08  | 3.08 | 4.62 | 4.62 | 112.512 | 21.296  | 0.39  |      |
| 1F | 70-1045.485 | 42.876  | -29.187 |    | 3.08  | 3.08 | 4.62 | 4.62 | 112.512 | 76.324  | 0.39  |      |
| 1G | 70-1045.485 | -42.626 | 7.227   |    | 3.08  | 3.08 | 4.62 | 4.62 | 111.957 | 21.296  | 0.39  |      |
| 1H | 70-1045.485 | -42.626 | -29.187 |    | 3.08  | 3.08 | 4.62 | 4.62 | 111.957 | 76.324  | 0.39  |      |
| 1I | 70-1128.737 | 91.274  | -1.765  |    | 3.08  | 3.08 | 4.62 | 4.62 | 190.165 | 4.723   | 0.48  |      |
| 1J | 70-1128.737 | 91.274  | -20.195 |    | 3.08  | 3.08 | 4.62 | 4.62 | 190.165 | 51.790  | 0.48  |      |
| 1K | 70-1128.737 | -91.024 | -1.765  |    | 3.08  | 3.08 | 4.62 | 4.62 | 189.817 | 4.723   | 0.48  |      |
| 1L | 70-1128.737 | -91.024 | -20.195 |    | 3.08  | 3.08 | 4.62 | 4.62 | 189.817 | 51.790  | 0.48  |      |
| 1M | 70-1075.263 | 91.274  | -1.765  |    | 3.08  | 3.08 | 4.62 | 4.62 | 196.342 | 4.985   | 0.46  |      |
| 1N | 70-1075.263 | 91.274  | -20.195 |    | 3.08  | 3.08 | 4.62 | 4.62 | 196.342 | 54.104  | 0.46  |      |

|    |              |         |         |      |      |      |      |         |        |      |
|----|--------------|---------|---------|------|------|------|------|---------|--------|------|
| 1O | 70-1075.263  | -91.024 | -1.765  | 3.08 | 3.08 | 4.62 | 4.62 | 195.995 | 4.985  | 0.46 |
| 1P | 70-1075.263  | -91.024 | -20.195 | 3.08 | 3.08 | 4.62 | 4.62 | 195.995 | 54.104 | 0.46 |
| 1A | 86-1157.586  | 38.249  | 6.204   | 3.08 | 3.08 | 4.62 | 4.62 | 93.503  | 16.639 | 0.43 |
| 1B | 86-1157.586  | 38.249  | -26.679 | 3.08 | 3.08 | 4.62 | 4.62 | 93.503  | 64.705 | 0.43 |
| 1C | 86-1157.586  | -37.073 | 6.204   | 3.08 | 3.08 | 4.62 | 4.62 | 90.976  | 16.639 | 0.43 |
| 1D | 86-1157.586  | -37.073 | -26.679 | 3.08 | 3.08 | 4.62 | 4.62 | 90.976  | 64.705 | 0.43 |
| 1E | 86-1044.556  | 38.249  | 6.204   | 3.08 | 3.08 | 4.62 | 4.62 | 102.093 | 18.319 | 0.39 |
| 1F | 86-1044.556  | 38.249  | -26.679 | 3.08 | 3.08 | 4.62 | 4.62 | 102.093 | 70.744 | 0.39 |
| 1G | 86-1044.556  | -37.073 | 6.204   | 3.08 | 3.08 | 4.62 | 4.62 | 99.359  | 18.319 | 0.39 |
| 1H | 86-1044.556  | -37.073 | -26.679 | 3.08 | 3.08 | 4.62 | 4.62 | 99.359  | 70.744 | 0.39 |
| 1I | 86-1127.808  | 80.888  | -1.919  | 3.08 | 3.08 | 4.62 | 4.62 | 175.022 | 5.188  | 0.46 |
| 1J | 86-1127.808  | 80.888  | -18.556 | 3.08 | 3.08 | 4.62 | 4.62 | 175.022 | 47.988 | 0.46 |
| 1K | 86-1127.808  | -79.712 | -1.919  | 3.08 | 3.08 | 4.62 | 4.62 | 173.196 | 5.188  | 0.46 |
| 1L | 86-1127.808  | -79.712 | -18.556 | 3.08 | 3.08 | 4.62 | 4.62 | 173.196 | 47.988 | 0.46 |
| 1M | 86-1074.334  | 80.888  | -1.919  | 3.08 | 3.08 | 4.62 | 4.62 | 181.120 | 5.473  | 0.45 |
| 1N | 86-1074.334  | 80.888  | -18.556 | 3.08 | 3.08 | 4.62 | 4.62 | 181.120 | 50.162 | 0.45 |
| 1O | 86-1074.334  | -79.712 | -1.919  | 3.08 | 3.08 | 4.62 | 4.62 | 179.275 | 5.473  | 0.44 |
| 1P | 86-1074.334  | -79.712 | -18.556 | 3.08 | 3.08 | 4.62 | 4.62 | 179.275 | 50.162 | 0.44 |
| 1A | 274-1146.444 | -17.271 | -6.075  | 3.08 | 3.08 | 4.62 | 4.62 | 45.682  | 16.452 | 0.43 |
| 1B | 274-1146.444 | -17.271 | 3.421   | 3.08 | 3.08 | 4.62 | 4.62 | 45.682  | 9.245  | 0.43 |
| 1C | 274-1146.444 | 29.572  | -6.075  | 3.08 | 3.08 | 4.62 | 4.62 | 74.975  | 16.452 | 0.43 |
| 1D | 274-1146.444 | 29.572  | 3.421   | 3.08 | 3.08 | 4.62 | 4.62 | 74.975  | 9.245  | 0.43 |
| 1E | 274-1033.414 | -17.271 | -6.075  | 3.08 | 3.08 | 4.62 | 4.62 | 50.411  | 18.131 | 0.39 |
| 1F | 274-1033.414 | -17.271 | 3.421   | 3.08 | 3.08 | 4.62 | 4.62 | 50.411  | 10.326 | 0.39 |
| 1G | 274-1033.414 | 29.572  | -6.075  | 3.08 | 3.08 | 4.62 | 4.62 | 82.330  | 18.131 | 0.39 |
| 1H | 274-1033.414 | 29.572  | 3.421   | 3.08 | 3.08 | 4.62 | 4.62 | 82.330  | 10.326 | 0.39 |
| 1I | 274-1116.666 | -43.734 | -3.767  | 3.08 | 3.08 | 4.62 | 4.62 | 108.182 | 10.424 | 0.42 |
| 1J | 274-1116.666 | -43.734 | 1.113   | 3.08 | 3.08 | 4.62 | 4.62 | 108.182 | 2.934  | 0.42 |
| 1K | 274-1116.666 | 56.035  | -3.767  | 3.08 | 3.08 | 4.62 | 4.62 | 132.967 | 10.424 | 0.42 |
| 1L | 274-1116.666 | 56.035  | 1.113   | 3.08 | 3.08 | 4.62 | 4.62 | 132.967 | 2.934  | 0.42 |
| 1M | 274-1063.192 | -43.734 | -3.767  | 3.08 | 3.08 | 4.62 | 4.62 | 112.802 | 10.985 | 0.40 |
| 1N | 274-1063.192 | -43.734 | 1.113   | 3.08 | 3.08 | 4.62 | 4.62 | 112.802 | 3.060  | 0.40 |
| 1O | 274-1063.192 | 56.035  | -3.767  | 3.08 | 3.08 | 4.62 | 4.62 | 138.405 | 10.985 | 0.40 |
| 1P | 274-1063.192 | 56.035  | 1.113   | 3.08 | 3.08 | 4.62 | 4.62 | 138.405 | 3.060  | 0.40 |
| 1A | 290-1145.515 | -22.193 | -6.626  | 3.08 | 3.08 | 4.62 | 4.62 | 57.750  | 17.838 | 0.43 |
| 1B | 290-1145.515 | -22.193 | 6.402   | 3.08 | 3.08 | 4.62 | 4.62 | 57.750  | 17.228 | 0.43 |
| 1C | 290-1145.515 | 34.831  | -6.626  | 3.08 | 3.08 | 4.62 | 4.62 | 86.902  | 17.838 | 0.43 |
| 1D | 290-1145.515 | 34.831  | 6.402   | 3.08 | 3.08 | 4.62 | 4.62 | 86.902  | 17.228 | 0.43 |
| 1E | 290-1032.485 | -22.193 | -6.626  | 3.08 | 3.08 | 4.62 | 4.62 | 63.605  | 19.790 | 0.39 |
| 1F | 290-1032.485 | -22.193 | 6.402   | 3.08 | 3.08 | 4.62 | 4.62 | 63.605  | 19.124 | 0.39 |
| 1G | 290-1032.485 | 34.831  | -6.626  | 3.08 | 3.08 | 4.62 | 4.62 | 95.215  | 19.790 | 0.39 |
| 1H | 290-1032.485 | 34.831  | 6.402   | 3.08 | 3.08 | 4.62 | 4.62 | 95.215  | 19.124 | 0.39 |
| 1I | 290-1115.737 | -54.414 | -3.449  | 3.08 | 3.08 | 4.62 | 4.62 | 129.879 | 9.604  | 0.42 |
| 1J | 290-1115.737 | -54.414 | 3.224   | 3.08 | 3.08 | 4.62 | 4.62 | 129.879 | 8.928  | 0.42 |
| 1K | 290-1115.737 | 67.052  | -3.449  | 3.08 | 3.08 | 4.62 | 4.62 | 153.486 | 9.604  | 0.44 |
| 1L | 290-1115.737 | 67.052  | 3.224   | 3.08 | 3.08 | 4.62 | 4.62 | 153.486 | 8.928  | 0.44 |
| 1M | 290-1062.263 | -54.414 | -3.449  | 3.08 | 3.08 | 4.62 | 4.62 | 135.230 | 10.118 | 0.40 |
| 1N | 290-1062.263 | -54.414 | 3.224   | 3.08 | 3.08 | 4.62 | 4.62 | 135.230 | 9.418  | 0.40 |
| 1O | 290-1062.263 | 67.052  | -3.449  | 3.08 | 3.08 | 4.62 | 4.62 | 159.347 | 10.118 | 0.42 |
| 1P | 290-1062.263 | 67.052  | 3.224   | 3.08 | 3.08 | 4.62 | 4.62 | 159.347 | 9.418  | 0.42 |

ASTA NUM. 29 NI 59 NF 60 SEZ. Rp B= 0.600 H= 0.400 (pilastro)

PIL. NUM. 11

Copriferro: 3.0 cm

| NC | x           | Fx      | My      | Mz      | APOST | AANT | AINF | ASUP | My.Res. | Mz.Res. | I.R. | Note |
|----|-------------|---------|---------|---------|-------|------|------|------|---------|---------|------|------|
|    | cm          | kN      | kN*m    |         | cmq   |      |      |      | kN*m    |         | Fx,M |      |
| 1A | 0-1169.110  | 41.614  | 13.812  | 13.812  | 3.08  | 3.08 | 4.62 | 4.62 | 99.611  | 35.389  | 0.44 |      |
| 1B | 0-1169.110  | 41.614  | -28.326 | -28.326 | 3.08  | 3.08 | 4.62 | 4.62 | 99.611  | 67.591  | 0.44 |      |
| 1C | 0-1169.110  | -31.334 | 13.812  | 13.812  | 3.08  | 3.08 | 4.62 | 4.62 | 77.621  | 35.389  | 0.44 |      |
| 1D | 0-1169.110  | -31.334 | -28.326 | -28.326 | 3.08  | 3.08 | 4.62 | 4.62 | 77.621  | 67.591  | 0.44 |      |
| 1E | 0-1102.890  | 41.614  | 13.812  | 13.812  | 3.08  | 3.08 | 4.62 | 4.62 | 104.773 | 37.390  | 0.41 |      |
| 1F | 0-1102.890  | 41.614  | -28.326 | -28.326 | 3.08  | 3.08 | 4.62 | 4.62 | 104.773 | 71.084  | 0.41 |      |
| 1G | 0-1102.890  | -31.334 | 13.812  | 13.812  | 3.08  | 3.08 | 4.62 | 4.62 | 81.801  | 37.390  | 0.41 |      |
| 1H | 0-1102.890  | -31.334 | -28.326 | -28.326 | 3.08  | 3.08 | 4.62 | 4.62 | 81.801  | 71.084  | 0.41 |      |
| 1I | 0-1162.859  | 88.409  | 17.564  | 17.564  | 3.08  | 3.08 | 4.62 | 4.62 | 182.347 | 44.350  | 0.48 |      |
| 1J | 0-1162.859  | 88.409  | -32.078 | -32.078 | 3.08  | 3.08 | 4.62 | 4.62 | 182.347 | 75.555  | 0.48 |      |
| 1K | 0-1162.859  | -78.129 | 17.564  | 17.564  | 3.08  | 3.08 | 4.62 | 4.62 | 166.928 | 44.350  | 0.47 |      |
| 1L | 0-1162.859  | -78.129 | -32.078 | -32.078 | 3.08  | 3.08 | 4.62 | 4.62 | 166.928 | 75.555  | 0.47 |      |
| 1M | 0-1109.141  | 88.409  | 17.564  | 17.564  | 3.08  | 3.08 | 4.62 | 4.62 | 188.338 | 46.332  | 0.47 |      |
| 1N | 0-1109.141  | 88.409  | -32.078 | -32.078 | 3.08  | 3.08 | 4.62 | 4.62 | 188.338 | 78.633  | 0.47 |      |
| 1O | 0-1109.141  | -78.129 | 17.564  | 17.564  | 3.08  | 3.08 | 4.62 | 4.62 | 172.776 | 46.332  | 0.45 |      |
| 1P | 0-1109.141  | -78.129 | -32.078 | -32.078 | 3.08  | 3.08 | 4.62 | 4.62 | 172.776 | 78.633  | 0.45 |      |
| 1A | 70-1169.110 | 41.614  | 13.812  | 13.812  | 3.08  | 3.08 | 4.62 | 4.62 | 99.611  | 35.389  | 0.44 |      |
| 1B | 70-1169.110 | 41.614  | -28.326 | -28.326 | 3.08  | 3.08 | 4.62 | 4.62 | 99.611  | 67.591  | 0.44 |      |
| 1C | 70-1169.110 | -31.334 | 13.812  | 13.812  | 3.08  | 3.08 | 4.62 | 4.62 | 77.621  | 35.389  | 0.44 |      |
| 1D | 70-1169.110 | -31.334 | -28.326 | -28.326 | 3.08  | 3.08 | 4.62 | 4.62 | 77.621  | 67.591  | 0.44 |      |
| 1E | 70-1102.890 | 41.614  | 13.812  | 13.812  | 3.08  | 3.08 | 4.62 | 4.62 | 104.773 | 37.390  | 0.41 |      |
| 1F | 70-1102.890 | 41.614  | -28.326 | -28.326 | 3.08  | 3.08 | 4.62 | 4.62 | 104.773 | 71.084  | 0.41 |      |
| 1G | 70-1102.890 | -31.334 | 13.812  | 13.812  | 3.08  | 3.08 | 4.62 | 4.62 | 81.801  | 37.390  | 0.41 |      |
| 1H | 70-1102.890 | -31.334 | -28.326 | -28.326 | 3.08  | 3.08 | 4.62 | 4.62 | 81.801  | 71.084  | 0.41 |      |
| 1I | 70-1162.859 | 88.409  | 17.564  | 17.564  | 3.08  | 3.08 | 4.62 | 4.62 | 182.347 | 44.350  | 0.48 |      |
| 1J | 70-1162.859 | 88.409  | -32.078 | -32.078 | 3.08  | 3.08 | 4.62 | 4.62 | 182.347 | 75.555  | 0.48 |      |
| 1K | 70-1162.859 | -78.129 | 17.564  | 17.564  | 3.08  | 3.08 | 4.62 | 4.62 | 166.928 | 44.350  | 0.47 |      |
| 1L | 70-1162.859 | -78.129 | -32.078 | -32.078 | 3.08  | 3.08 | 4.62 | 4.62 | 166.928 | 75.555  | 0.47 |      |
| 1M | 70-1109.141 | 88.409  | 17.564  | 17.564  | 3.08  | 3.08 | 4.62 | 4.62 | 188.338 | 46.332  | 0.47 |      |
| 1N | 70-1109.141 | 88.409  | -32.078 | -32.078 | 3.08  | 3.08 | 4.62 | 4.62 | 188.338 | 78.633  | 0.47 |      |
| 1O | 70-1109.141 | -78.129 | 17.564  | 17.564  | 3.08  | 3.08 | 4.62 | 4.62 | 172.776 | 46.332  | 0.45 |      |
| 1P | 70-1109.141 | -78.129 | -32.078 | -32.078 | 3.08  | 3.08 | 4.62 | 4.62 | 172.776 | 78.633  | 0.45 |      |
| 1A | 86-1168.182 | 36.682  | 12.137  | 12.137  | 3.08  | 3.08 | 4.62 | 4.62 | 89.410  | 31.449  | 0.44 |      |
| 1B | 86-1168.182 | 36.682  | -25.718 | -25.718 | 3.08  | 3.08 | 4.62 | 4.62 | 89.410  | 62.150  | 0.44 |      |

|    |             |         |         |      |      |      |      |         |        |      |
|----|-------------|---------|---------|------|------|------|------|---------|--------|------|
| 1C | 86-1168.182 | -27.569 | 12.137  | 3.08 | 3.08 | 4.62 | 4.62 | 69.300  | 31.449 | 0.44 |
| 1D | 86-1168.182 | -27.569 | -25.718 | 3.08 | 3.08 | 4.62 | 4.62 | 69.300  | 62.150 | 0.44 |
| 1E | 86-1101.961 | 36.682  | 12.137  | 3.08 | 3.08 | 4.62 | 4.62 | 94.112  | 33.107 | 0.41 |
| 1F | 86-1101.961 | 36.682  | -25.718 | 3.08 | 3.08 | 4.62 | 4.62 | 94.112  | 65.422 | 0.41 |
| 1G | 86-1101.961 | -27.569 | 12.137  | 3.08 | 3.08 | 4.62 | 4.62 | 73.073  | 33.107 | 0.41 |
| 1H | 86-1101.961 | -27.569 | -25.718 | 3.08 | 3.08 | 4.62 | 4.62 | 73.073  | 65.422 | 0.41 |
| 1I | 86-1161.931 | 77.886  | 15.460  | 3.08 | 3.08 | 4.62 | 4.62 | 166.644 | 39.571 | 0.47 |
| 1J | 86-1161.931 | 77.886  | -29.041 | 3.08 | 3.08 | 4.62 | 4.62 | 166.644 | 69.436 | 0.47 |
| 1K | 86-1161.931 | -68.773 | 15.460  | 3.08 | 3.08 | 4.62 | 4.62 | 151.688 | 39.571 | 0.45 |
| 1L | 86-1161.931 | -68.773 | -29.041 | 3.08 | 3.08 | 4.62 | 4.62 | 151.688 | 69.436 | 0.45 |
| 1M | 86-1108.213 | 77.886  | 15.460  | 3.08 | 3.08 | 4.62 | 4.62 | 172.493 | 41.350 | 0.45 |
| 1N | 86-1108.213 | 77.886  | -29.041 | 3.08 | 3.08 | 4.62 | 4.62 | 172.493 | 72.321 | 0.45 |
| 1O | 86-1108.213 | -68.773 | 15.460  | 3.08 | 3.08 | 4.62 | 4.62 | 157.306 | 41.350 | 0.44 |
| 1P | 86-1108.213 | -68.773 | -29.041 | 3.08 | 3.08 | 4.62 | 4.62 | 157.306 | 72.321 | 0.44 |

|    |              |         |        |      |      |      |      |         |        |      |
|----|--------------|---------|--------|------|------|------|------|---------|--------|------|
| 1A | 274-1157.039 | -22.502 | -7.959 | 3.08 | 3.08 | 4.62 | 4.62 | 57.957  | 21.194 | 0.43 |
| 1B | 274-1157.039 | -22.502 | 5.574  | 3.08 | 3.08 | 4.62 | 4.62 | 57.957  | 14.947 | 0.43 |
| 1C | 274-1157.039 | 17.613  | -7.959 | 3.08 | 3.08 | 4.62 | 4.62 | 46.137  | 21.194 | 0.43 |
| 1D | 274-1157.039 | 17.613  | 5.574  | 3.08 | 3.08 | 4.62 | 4.62 | 46.137  | 14.947 | 0.43 |
| 1E | 274-1090.819 | -22.502 | -7.959 | 3.08 | 3.08 | 4.62 | 4.62 | 61.228  | 22.454 | 0.41 |
| 1F | 274-1090.819 | -22.502 | 5.574  | 3.08 | 3.08 | 4.62 | 4.62 | 61.228  | 15.863 | 0.41 |
| 1G | 274-1090.819 | 17.613  | -7.959 | 3.08 | 3.08 | 4.62 | 4.62 | 48.794  | 22.454 | 0.41 |
| 1H | 274-1090.819 | 17.613  | 5.574  | 3.08 | 3.08 | 4.62 | 4.62 | 48.794  | 15.863 | 0.41 |
| 1I | 274-1150.788 | -48.393 | -9.787 | 3.08 | 3.08 | 4.62 | 4.62 | 114.929 | 25.942 | 0.43 |
| 1J | 274-1150.788 | -48.393 | 7.401  | 3.08 | 3.08 | 4.62 | 4.62 | 114.929 | 19.833 | 0.43 |
| 1K | 274-1150.788 | 43.504  | -9.787 | 3.08 | 3.08 | 4.62 | 4.62 | 104.945 | 25.942 | 0.43 |
| 1L | 274-1150.788 | 43.504  | 7.401  | 3.08 | 3.08 | 4.62 | 4.62 | 104.945 | 19.833 | 0.43 |
| 1M | 274-1097.070 | -48.393 | -9.787 | 3.08 | 3.08 | 4.62 | 4.62 | 119.643 | 27.175 | 0.41 |
| 1N | 274-1097.070 | -48.393 | 7.401  | 3.08 | 3.08 | 4.62 | 4.62 | 119.643 | 20.792 | 0.41 |
| 1O | 274-1097.070 | 43.504  | -9.787 | 3.08 | 3.08 | 4.62 | 4.62 | 109.339 | 27.175 | 0.41 |
| 1P | 274-1097.070 | 43.504  | 7.401  | 3.08 | 3.08 | 4.62 | 4.62 | 109.339 | 20.792 | 0.41 |

|    |              |         |         |      |      |      |      |         |        |      |
|----|--------------|---------|---------|------|------|------|------|---------|--------|------|
| 1A | 290-1156.110 | -27.063 | -9.337  | 3.08 | 3.08 | 4.62 | 4.62 | 68.786  | 24.666 | 0.43 |
| 1B | 290-1156.110 | -27.063 | 8.478   | 3.08 | 3.08 | 4.62 | 4.62 | 68.786  | 22.565 | 0.43 |
| 1C | 290-1156.110 | 21.749  | -9.337  | 3.08 | 3.08 | 4.62 | 4.62 | 56.180  | 24.666 | 0.43 |
| 1D | 290-1156.110 | 21.749  | 8.478   | 3.08 | 3.08 | 4.62 | 4.62 | 56.180  | 22.565 | 0.43 |
| 1E | 290-1089.890 | -27.063 | -9.337  | 3.08 | 3.08 | 4.62 | 4.62 | 72.578  | 26.128 | 0.41 |
| 1F | 290-1089.890 | -27.063 | 8.478   | 3.08 | 3.08 | 4.62 | 4.62 | 72.578  | 23.774 | 0.41 |
| 1G | 290-1089.890 | 21.749  | -9.337  | 3.08 | 3.08 | 4.62 | 4.62 | 59.368  | 26.128 | 0.41 |
| 1H | 290-1089.890 | 21.749  | 8.478   | 3.08 | 3.08 | 4.62 | 4.62 | 59.368  | 23.774 | 0.41 |
| 1I | 290-1149.859 | -58.545 | -11.594 | 3.08 | 3.08 | 4.62 | 4.62 | 134.561 | 30.564 | 0.43 |
| 1J | 290-1149.859 | -58.545 | 10.735  | 3.08 | 3.08 | 4.62 | 4.62 | 134.561 | 28.393 | 0.43 |
| 1K | 290-1149.859 | 53.232  | -11.594 | 3.08 | 3.08 | 4.62 | 4.62 | 124.557 | 30.564 | 0.43 |
| 1L | 290-1149.859 | 53.232  | 10.735  | 3.08 | 3.08 | 4.62 | 4.62 | 124.557 | 28.393 | 0.43 |
| 1M | 290-1096.141 | -58.545 | -11.594 | 3.08 | 3.08 | 4.62 | 4.62 | 139.906 | 31.847 | 0.42 |
| 1N | 290-1096.141 | -58.545 | 10.735  | 3.08 | 3.08 | 4.62 | 4.62 | 139.906 | 29.726 | 0.42 |
| 1O | 290-1096.141 | 53.232  | -11.594 | 3.08 | 3.08 | 4.62 | 4.62 | 129.424 | 31.847 | 0.41 |
| 1P | 290-1096.141 | 53.232  | 10.735  | 3.08 | 3.08 | 4.62 | 4.62 | 129.424 | 29.726 | 0.41 |

ASTA NUM. 30 NI 61 NF 62 SEZ. Rp B= 0.600 H= 0.400 (pilastro)

PIL. NUM. 16

Copriferro: 3.0 cm

| NC | x                  | Fx      | My      | Mz | APOST | AANT | AINF | ASUP | My.Res. | Mz.Res. | I.R. | Note |
|----|--------------------|---------|---------|----|-------|------|------|------|---------|---------|------|------|
|    | cm                 | kN      | kN*m    |    | cmq   |      |      |      | kN*m    |         | Fx,M |      |
| 1A | 0-933.190          | 59.994  | 2.907   |    | 3.08  | 3.08 | 4.62 | 4.62 | 161.558 | 9.685   | 0.37 |      |
| 1B | 0-933.190          | 59.994  | -48.607 |    | 3.08  | 3.08 | 4.62 | 4.62 | 161.558 | 124.282 | 0.39 |      |
| 1C | 0-933.190          | -42.306 | 2.907   |    | 3.08  | 3.08 | 4.62 | 4.62 | 122.407 | 9.685   | 0.35 |      |
| 1D | 0-933.190          | -42.306 | -48.607 |    | 3.08  | 3.08 | 4.62 | 4.62 | 122.407 | 124.282 | 0.39 |      |
| 1E | 0-879.610          | 59.994  | 2.907   |    | 3.08  | 3.08 | 4.62 | 4.62 | 168.780 | 10.309  | 0.36 |      |
| 1F | 0-879.610          | 59.994  | -48.607 |    | 3.08  | 3.08 | 4.62 | 4.62 | 168.780 | 129.417 | 0.38 |      |
| 1G | 0-879.610          | -42.306 | 2.907   |    | 3.08  | 3.08 | 4.62 | 4.62 | 128.393 | 10.309  | 0.33 |      |
| 1H | 0-879.610          | -42.306 | -48.607 |    | 3.08  | 3.08 | 4.62 | 4.62 | 128.393 | 129.417 | 0.38 |      |
| 1I | 0-927.723          | 126.473 | -7.852  |    | 3.08  | 3.08 | 4.62 | 4.62 | 251.172 | 25.821  | 0.50 |      |
| 1J | 0-927.723          | 126.473 | -37.848 |    | 3.08  | 3.08 | 4.62 | 4.62 | 251.172 | 103.828 | 0.50 |      |
| 1K | 0-927.723-108.785  |         | -7.852  |    | 3.08  | 3.08 | 4.62 | 4.62 | 235.345 | 25.821  | 0.46 |      |
| 1L | 0-927.723-108.785  |         | -37.848 |    | 3.08  | 3.08 | 4.62 | 4.62 | 235.345 | 103.828 | 0.46 |      |
| 1M | 0-885.077          | 126.473 | -7.852  |    | 3.08  | 3.08 | 4.62 | 4.62 | 255.623 | 27.029  | 0.49 |      |
| 1N | 0-885.077          | 126.473 | -37.848 |    | 3.08  | 3.08 | 4.62 | 4.62 | 255.623 | 107.663 | 0.49 |      |
| 1O | 0-885.077-108.785  |         | -7.852  |    | 3.08  | 3.08 | 4.62 | 4.62 | 240.523 | 27.029  | 0.45 |      |
| 1P | 0-885.077-108.785  |         | -37.848 |    | 3.08  | 3.08 | 4.62 | 4.62 | 240.523 | 107.663 | 0.45 |      |
| 1A | 70-933.190         | 59.994  | 2.907   |    | 3.08  | 3.08 | 4.62 | 4.62 | 161.558 | 9.685   | 0.37 |      |
| 1B | 70-933.190         | 59.994  | -48.607 |    | 3.08  | 3.08 | 4.62 | 4.62 | 161.558 | 124.282 | 0.39 |      |
| 1C | 70-933.190         | -42.306 | 2.907   |    | 3.08  | 3.08 | 4.62 | 4.62 | 122.407 | 9.685   | 0.35 |      |
| 1D | 70-933.190         | -42.306 | -48.607 |    | 3.08  | 3.08 | 4.62 | 4.62 | 122.407 | 124.282 | 0.39 |      |
| 1E | 70-879.610         | 59.994  | 2.907   |    | 3.08  | 3.08 | 4.62 | 4.62 | 168.780 | 10.309  | 0.36 |      |
| 1F | 70-879.610         | 59.994  | -48.607 |    | 3.08  | 3.08 | 4.62 | 4.62 | 168.780 | 129.417 | 0.38 |      |
| 1G | 70-879.610         | -42.306 | 2.907   |    | 3.08  | 3.08 | 4.62 | 4.62 | 128.393 | 10.309  | 0.33 |      |
| 1H | 70-879.610         | -42.306 | -48.607 |    | 3.08  | 3.08 | 4.62 | 4.62 | 128.393 | 129.417 | 0.38 |      |
| 1I | 70-927.723         | 126.473 | -7.852  |    | 3.08  | 3.08 | 4.62 | 4.62 | 251.172 | 25.821  | 0.50 |      |
| 1J | 70-927.723         | 126.473 | -37.848 |    | 3.08  | 3.08 | 4.62 | 4.62 | 251.172 | 103.828 | 0.50 |      |
| 1K | 70-927.723-108.785 |         | -7.852  |    | 3.08  | 3.08 | 4.62 | 4.62 | 235.345 | 25.821  | 0.46 |      |
| 1L | 70-927.723-108.785 |         | -37.848 |    | 3.08  | 3.08 | 4.62 | 4.62 | 235.345 | 103.828 | 0.46 |      |
| 1M | 70-885.077         | 126.473 | -7.852  |    | 3.08  | 3.08 | 4.62 | 4.62 | 255.623 | 27.029  | 0.49 |      |
| 1N | 70-885.077         | 126.473 | -37.848 |    | 3.08  | 3.08 | 4.62 | 4.62 | 255.623 | 107.663 | 0.49 |      |
| 1O | 70-885.077-108.785 |         | -7.852  |    | 3.08  | 3.08 | 4.62 | 4.62 | 240.523 | 27.029  | 0.45 |      |
| 1P | 70-885.077-108.785 |         | -37.848 |    | 3.08  | 3.08 | 4.62 | 4.62 | 240.523 | 107.663 | 0.45 |      |
| 1A | 86-932.262         | 53.215  | 4.937   |    | 3.08  | 3.08 | 4.62 | 4.62 | 147.594 | 16.441  | 0.36 |      |
| 1B | 86-932.262         | 53.215  | -40.253 |    | 3.08  | 3.08 | 4.62 | 4.62 | 147.594 | 108.454 | 0.37 |      |
| 1C | 86-932.262         | -37.429 | 4.937   |    | 3.08  | 3.08 | 4.62 | 4.62 | 110.498 | 16.441  | 0.35 |      |
| 1D | 86-932.262         | -37.429 | -40.253 |    | 3.08  | 3.08 | 4.62 | 4.62 | 110.498 | 108.454 | 0.37 |      |
| 1E | 86-878.681         | 53.215  | 4.937   |    | 3.08  | 3.08 | 4.62 | 4.62 | 154.401 | 17.323  | 0.34 |      |
| 1F | 86-878.681         | 53.215  | -40.253 |    | 3.08  | 3.08 | 4.62 | 4.62 | 154.401 | 113.355 | 0.35 |      |
| 1G | 86-878.681         | -37.429 | 4.937   |    | 3.08  | 3.08 | 4.62 | 4.62 | 116.182 | 17.323  | 0.33 |      |

|    |             |         |         |      |      |      |      |         |         |      |
|----|-------------|---------|---------|------|------|------|------|---------|---------|------|
| 1H | 86-878.681  | -37.429 | -40.253 | 3.08 | 3.08 | 4.62 | 4.62 | 116.182 | 113.355 | 0.35 |
| 1I | 86-926.794  | 112.145 | -4.569  | 3.08 | 3.08 | 4.62 | 4.62 | 238.823 | 15.302  | 0.47 |
| 1J | 86-926.794  | 112.145 | -30.747 | 3.08 | 3.08 | 4.62 | 4.62 | 238.823 | 88.001  | 0.47 |
| 1K | 86-926.794  | -96.358 | -4.569  | 3.08 | 3.08 | 4.62 | 4.62 | 221.354 | 15.302  | 0.44 |
| 1L | 86-926.794  | -96.358 | -30.747 | 3.08 | 3.08 | 4.62 | 4.62 | 221.354 | 88.001  | 0.44 |
| 1M | 86-884.148  | 112.145 | -4.569  | 3.08 | 3.08 | 4.62 | 4.62 | 243.872 | 16.044  | 0.46 |
| 1N | 86-884.148  | 112.145 | -30.747 | 3.08 | 3.08 | 4.62 | 4.62 | 243.872 | 91.466  | 0.46 |
| 1O | 86-884.148  | -96.358 | -4.569  | 3.08 | 3.08 | 4.62 | 4.62 | 226.945 | 16.044  | 0.42 |
| 1P | 86-884.148  | -96.358 | -30.747 | 3.08 | 3.08 | 4.62 | 4.62 | 226.945 | 91.466  | 0.42 |
| 1A | 274-921.119 | -28.131 | 29.294  | 3.08 | 3.08 | 4.62 | 4.62 | 87.240  | 84.976  | 0.35 |
| 1B | 274-921.119 | -28.131 | 60.001  | 3.08 | 3.08 | 4.62 | 4.62 | 87.240  | 143.820 | 0.42 |
| 1C | 274-921.119 | 21.099  | 29.294  | 3.08 | 3.08 | 4.62 | 4.62 | 67.434  | 84.976  | 0.35 |
| 1D | 274-921.119 | 21.099  | 60.001  | 3.08 | 3.08 | 4.62 | 4.62 | 67.434  | 143.820 | 0.42 |
| 1E | 274-867.539 | -28.131 | 29.294  | 3.08 | 3.08 | 4.62 | 4.62 | 91.974  | 89.290  | 0.33 |
| 1F | 274-867.539 | -28.131 | 60.001  | 3.08 | 3.08 | 4.62 | 4.62 | 91.974  | 149.035 | 0.40 |
| 1G | 274-867.539 | 21.099  | 29.294  | 3.08 | 3.08 | 4.62 | 4.62 | 71.223  | 89.290  | 0.33 |
| 1H | 274-867.539 | 21.099  | 60.001  | 3.08 | 3.08 | 4.62 | 4.62 | 71.223  | 149.035 | 0.40 |
| 1I | 274-915.652 | -59.796 | 34.827  | 3.08 | 3.08 | 4.62 | 4.62 | 163.457 | 98.324  | 0.37 |
| 1J | 274-915.652 | -59.796 | 54.469  | 3.08 | 3.08 | 4.62 | 4.62 | 163.457 | 135.865 | 0.40 |
| 1K | 274-915.652 | 52.763  | 34.827  | 3.08 | 3.08 | 4.62 | 4.62 | 148.528 | 98.324  | 0.35 |
| 1L | 274-915.652 | 52.763  | 54.469  | 3.08 | 3.08 | 4.62 | 4.62 | 148.528 | 135.865 | 0.40 |
| 1M | 274-873.006 | -59.796 | 34.827  | 3.08 | 3.08 | 4.62 | 4.62 | 169.302 | 101.989 | 0.35 |
| 1N | 274-873.006 | -59.796 | 54.469  | 3.08 | 3.08 | 4.62 | 4.62 | 169.302 | 140.047 | 0.39 |
| 1O | 274-873.006 | 52.763  | 34.827  | 3.08 | 3.08 | 4.62 | 4.62 | 154.158 | 101.989 | 0.34 |
| 1P | 274-873.006 | 52.763  | 54.469  | 3.08 | 3.08 | 4.62 | 4.62 | 154.158 | 140.047 | 0.39 |
| 1A | 290-920.190 | -34.305 | 28.020  | 3.08 | 3.08 | 4.62 | 4.62 | 103.691 | 81.944  | 0.35 |
| 1B | 290-920.190 | -34.305 | 65.052  | 3.08 | 3.08 | 4.62 | 4.62 | 103.691 | 150.933 | 0.43 |
| 1C | 290-920.190 | 26.581  | 28.020  | 3.08 | 3.08 | 4.62 | 4.62 | 83.025  | 81.944  | 0.35 |
| 1D | 290-920.190 | 26.581  | 65.052  | 3.08 | 3.08 | 4.62 | 4.62 | 83.025  | 150.933 | 0.43 |
| 1E | 290-866.610 | -34.305 | 28.020  | 3.08 | 3.08 | 4.62 | 4.62 | 109.175 | 86.150  | 0.33 |
| 1F | 290-866.610 | -34.305 | 65.052  | 3.08 | 3.08 | 4.62 | 4.62 | 109.175 | 156.076 | 0.42 |
| 1G | 290-866.610 | 26.581  | 28.020  | 3.08 | 3.08 | 4.62 | 4.62 | 87.575  | 86.150  | 0.33 |
| 1H | 290-866.610 | 26.581  | 65.052  | 3.08 | 3.08 | 4.62 | 4.62 | 87.575  | 156.076 | 0.42 |
| 1I | 290-914.723 | -73.519 | 34.806  | 3.08 | 3.08 | 4.62 | 4.62 | 189.391 | 98.356  | 0.39 |
| 1J | 290-914.723 | -73.519 | 58.266  | 3.08 | 3.08 | 4.62 | 4.62 | 189.391 | 141.862 | 0.41 |
| 1K | 290-914.723 | 65.795  | 34.806  | 3.08 | 3.08 | 4.62 | 4.62 | 175.383 | 98.356  | 0.37 |
| 1L | 290-914.723 | 65.795  | 58.266  | 3.08 | 3.08 | 4.62 | 4.62 | 175.383 | 141.862 | 0.41 |
| 1M | 290-872.077 | -73.519 | 34.806  | 3.08 | 3.08 | 4.62 | 4.62 | 195.468 | 102.030 | 0.38 |
| 1N | 290-872.077 | -73.519 | 58.266  | 3.08 | 3.08 | 4.62 | 4.62 | 195.468 | 146.033 | 0.40 |
| 1O | 290-872.077 | 65.795  | 34.806  | 3.08 | 3.08 | 4.62 | 4.62 | 181.379 | 102.030 | 0.36 |
| 1P | 290-872.077 | 65.795  | 58.266  | 3.08 | 3.08 | 4.62 | 4.62 | 181.379 | 146.033 | 0.40 |

ASTA NUM. 31 NI 63 NF 64 SEZ. Rp B= 0.600 H= 0.400 (pilastro)

PIL. NUM. 17

Copriferro: 3.0 cm

| NC | x          | Fx      | My     | Mz   | APOST | AANT | AINF | ASUP    | My.Res. | Mz.Res. | I.R. | Note |
|----|------------|---------|--------|------|-------|------|------|---------|---------|---------|------|------|
|    | cm         | kN      | kN*m   |      |       |      | cmq  |         |         | kN*m    | Fx,M |      |
| 1A | 0-557.059  | 41.628  | 46.919 | 3.08 | 3.08  | 4.62 | 4.62 | 180.173 | 165.631 | 0.28    |      |      |
| 1B | 0-557.059  | 41.628  | 11.441 | 3.08 | 3.08  | 4.62 | 4.62 | 180.173 | 58.591  | 0.23    |      |      |
| 1C | 0-557.059  | -38.646 | 46.919 | 3.08 | 3.08  | 4.62 | 4.62 | 170.883 | 165.631 | 0.28    |      |      |
| 1D | 0-557.059  | -38.646 | 11.441 | 3.08 | 3.08  | 4.62 | 4.62 | 170.883 | 58.591  | 0.23    |      |      |
| 1E | 0-531.141  | 41.628  | 46.919 | 3.08 | 3.08  | 4.62 | 4.62 | 186.195 | 169.421 | 0.28    |      |      |
| 1F | 0-531.141  | 41.628  | 11.441 | 3.08 | 3.08  | 4.62 | 4.62 | 186.195 | 60.959  | 0.22    |      |      |
| 1G | 0-531.141  | -38.646 | 46.919 | 3.08 | 3.08  | 4.62 | 4.62 | 176.821 | 169.421 | 0.28    |      |      |
| 1H | 0-531.141  | -38.646 | 11.441 | 3.08 | 3.08  | 4.62 | 4.62 | 176.821 | 60.959  | 0.22    |      |      |
| 1I | 0-555.173  | 88.962  | 38.230 | 3.08 | 3.08  | 4.62 | 4.62 | 265.336 | 148.657 | 0.34    |      |      |
| 1J | 0-555.173  | 88.962  | 20.130 | 3.08 | 3.08  | 4.62 | 4.62 | 265.336 | 94.619  | 0.34    |      |      |
| 1K | 0-555.173  | -85.980 | 38.230 | 3.08 | 3.08  | 4.62 | 4.62 | 262.618 | 148.657 | 0.33    |      |      |
| 1L | 0-555.173  | -85.980 | 20.130 | 3.08 | 3.08  | 4.62 | 4.62 | 262.618 | 94.619  | 0.33    |      |      |
| 1M | 0-533.027  | 88.962  | 38.230 | 3.08 | 3.08  | 4.62 | 4.62 | 267.438 | 152.179 | 0.33    |      |      |
| 1N | 0-533.027  | 88.962  | 20.130 | 3.08 | 3.08  | 4.62 | 4.62 | 267.438 | 97.766  | 0.33    |      |      |
| 1O | 0-533.027  | -85.980 | 38.230 | 3.08 | 3.08  | 4.62 | 4.62 | 265.846 | 152.179 | 0.32    |      |      |
| 1P | 0-533.027  | -85.980 | 20.130 | 3.08 | 3.08  | 4.62 | 4.62 | 265.846 | 97.766  | 0.32    |      |      |
| 1A | 70-557.059 | 41.628  | 46.919 | 3.08 | 3.08  | 4.62 | 4.62 | 180.173 | 165.631 | 0.28    |      |      |
| 1B | 70-557.059 | 41.628  | 11.441 | 3.08 | 3.08  | 4.62 | 4.62 | 180.173 | 58.591  | 0.23    |      |      |
| 1C | 70-557.059 | -38.646 | 46.919 | 3.08 | 3.08  | 4.62 | 4.62 | 170.883 | 165.631 | 0.28    |      |      |
| 1D | 70-557.059 | -38.646 | 11.441 | 3.08 | 3.08  | 4.62 | 4.62 | 170.883 | 58.591  | 0.23    |      |      |
| 1E | 70-531.141 | 41.628  | 46.919 | 3.08 | 3.08  | 4.62 | 4.62 | 186.195 | 169.421 | 0.28    |      |      |
| 1F | 70-531.141 | 41.628  | 11.441 | 3.08 | 3.08  | 4.62 | 4.62 | 186.195 | 60.959  | 0.22    |      |      |
| 1G | 70-531.141 | -38.646 | 46.919 | 3.08 | 3.08  | 4.62 | 4.62 | 176.821 | 169.421 | 0.28    |      |      |
| 1H | 70-531.141 | -38.646 | 11.441 | 3.08 | 3.08  | 4.62 | 4.62 | 176.821 | 60.959  | 0.22    |      |      |
| 1I | 70-555.173 | 88.962  | 38.230 | 3.08 | 3.08  | 4.62 | 4.62 | 265.336 | 148.657 | 0.34    |      |      |
| 1J | 70-555.173 | 88.962  | 20.130 | 3.08 | 3.08  | 4.62 | 4.62 | 265.336 | 94.619  | 0.34    |      |      |
| 1K | 70-555.173 | -85.980 | 38.230 | 3.08 | 3.08  | 4.62 | 4.62 | 262.618 | 148.657 | 0.33    |      |      |
| 1L | 70-555.173 | -85.980 | 20.130 | 3.08 | 3.08  | 4.62 | 4.62 | 262.618 | 94.619  | 0.33    |      |      |
| 1M | 70-533.027 | 88.962  | 38.230 | 3.08 | 3.08  | 4.62 | 4.62 | 267.438 | 152.179 | 0.33    |      |      |
| 1N | 70-533.027 | 88.962  | 20.130 | 3.08 | 3.08  | 4.62 | 4.62 | 267.438 | 97.766  | 0.33    |      |      |
| 1O | 70-533.027 | -85.980 | 38.230 | 3.08 | 3.08  | 4.62 | 4.62 | 265.846 | 152.179 | 0.32    |      |      |
| 1P | 70-533.027 | -85.980 | 20.130 | 3.08 | 3.08  | 4.62 | 4.62 | 265.846 | 97.766  | 0.32    |      |      |
| 1A | 86-556.137 | 36.953  | 42.925 | 3.08 | 3.08  | 4.62 | 4.62 | 165.568 | 158.430 | 0.27    |      |      |
| 1B | 86-556.137 | 36.953  | 10.491 | 3.08 | 3.08  | 4.62 | 4.62 | 165.568 | 54.317  | 0.22    |      |      |
| 1C | 86-556.137 | -34.308 | 42.925 | 3.08 | 3.08  | 4.62 | 4.62 | 156.595 | 158.430 | 0.27    |      |      |
| 1D | 86-556.137 | -34.308 | 10.491 | 3.08 | 3.08  | 4.62 | 4.62 | 156.595 | 54.317  | 0.22    |      |      |
| 1E | 86-530.220 | 36.953  | 42.925 | 3.08 | 3.08  | 4.62 | 4.62 | 171.450 | 162.403 | 0.26    |      |      |
| 1F | 86-530.220 | 36.953  | 10.491 | 3.08 | 3.08  | 4.62 | 4.62 | 171.450 | 56.683  | 0.22    |      |      |
| 1G | 86-530.220 | -34.308 | 42.925 | 3.08 | 3.08  | 4.62 | 4.62 | 162.338 | 162.403 | 0.26    |      |      |
| 1H | 86-530.220 | -34.308 | 10.491 | 3.08 | 3.08  | 4.62 | 4.62 | 162.338 | 56.683  | 0.21    |      |      |
| 1I | 86-554.252 | 79.002  | 34.994 | 3.08 | 3.08  | 4.62 | 4.62 | 255.393 | 141.087 | 0.31    |      |      |
| 1J | 86-554.252 | 79.002  | 18.422 | 3.08 | 3.08  | 4.62 | 4.62 | 255.393 | 88.138  | 0.31    |      |      |
| 1K | 86-554.252 | -76.357 | 34.994 | 3.08 | 3.08  | 4.62 | 4.62 | 252.188 | 141.087 | 0.30    |      |      |
| 1L | 86-554.252 | -76.357 | 18.422 | 3.08 | 3.08  | 4.62 | 4.62 | 252.188 | 88.138  | 0.30    |      |      |

|    |             |         |        |      |      |      |      |         |         |      |
|----|-------------|---------|--------|------|------|------|------|---------|---------|------|
| 1M | 86-532.106  | 79.002  | 34.994 | 3.08 | 3.08 | 4.62 | 4.62 | 259.049 | 144.654 | 0.30 |
| 1N | 86-532.106  | 79.002  | 18.422 | 3.08 | 3.08 | 4.62 | 4.62 | 259.049 | 91.135  | 0.30 |
| 1O | 86-532.106  | -76.357 | 34.994 | 3.08 | 3.08 | 4.62 | 4.62 | 256.010 | 144.654 | 0.30 |
| 1P | 86-532.106  | -76.357 | 18.422 | 3.08 | 3.08 | 4.62 | 4.62 | 256.010 | 91.135  | 0.30 |
| 1A | 274-545.080 | -19.152 | -5.003 | 3.08 | 3.08 | 4.62 | 4.62 | 98.493  | 27.934  | 0.20 |
| 1B | 274-545.080 | -19.152 | -0.909 | 3.08 | 3.08 | 4.62 | 4.62 | 98.493  | 5.072   | 0.20 |
| 1C | 274-545.080 | 17.752  | -5.003 | 3.08 | 3.08 | 4.62 | 4.62 | 92.326  | 27.934  | 0.20 |
| 1D | 274-545.080 | 17.752  | -0.909 | 3.08 | 3.08 | 4.62 | 4.62 | 92.326  | 5.072   | 0.20 |
| 1E | 274-519.163 | -19.152 | -5.003 | 3.08 | 3.08 | 4.62 | 4.62 | 102.754 | 29.272  | 0.20 |
| 1F | 274-519.163 | -19.152 | -0.909 | 3.08 | 3.08 | 4.62 | 4.62 | 102.754 | 5.352   | 0.20 |
| 1G | 274-519.163 | 17.752  | -5.003 | 3.08 | 3.08 | 4.62 | 4.62 | 96.341  | 29.272  | 0.20 |
| 1H | 274-519.163 | 17.752  | -0.909 | 3.08 | 3.08 | 4.62 | 4.62 | 96.341  | 5.352   | 0.20 |
| 1I | 274-543.194 | -40.521 | -3.840 | 3.08 | 3.08 | 4.62 | 4.62 | 179.952 | 21.770  | 0.23 |
| 1J | 274-543.194 | -40.521 | -2.072 | 3.08 | 3.08 | 4.62 | 4.62 | 179.952 | 11.863  | 0.23 |
| 1K | 274-543.194 | 39.120  | -3.840 | 3.08 | 3.08 | 4.62 | 4.62 | 175.539 | 21.770  | 0.22 |
| 1L | 274-543.194 | 39.120  | -2.072 | 3.08 | 3.08 | 4.62 | 4.62 | 175.539 | 11.863  | 0.22 |
| 1M | 274-521.048 | -40.521 | -3.840 | 3.08 | 3.08 | 4.62 | 4.62 | 185.210 | 22.675  | 0.22 |
| 1N | 274-521.048 | -40.521 | -2.072 | 3.08 | 3.08 | 4.62 | 4.62 | 185.210 | 12.385  | 0.22 |
| 1O | 274-521.048 | 39.120  | -3.840 | 3.08 | 3.08 | 4.62 | 4.62 | 180.765 | 22.675  | 0.22 |
| 1P | 274-521.048 | 39.120  | -2.072 | 3.08 | 3.08 | 4.62 | 4.62 | 180.765 | 12.385  | 0.22 |
| 1A | 290-544.159 | -23.721 | -7.424 | 3.08 | 3.08 | 4.62 | 4.62 | 118.460 | 40.506  | 0.20 |
| 1B | 290-544.159 | -23.721 | -0.286 | 3.08 | 3.08 | 4.62 | 4.62 | 118.460 | 1.410   | 0.20 |
| 1C | 290-544.159 | 22.197  | -7.424 | 3.08 | 3.08 | 4.62 | 4.62 | 112.004 | 40.506  | 0.20 |
| 1D | 290-544.159 | 22.197  | -0.286 | 3.08 | 3.08 | 4.62 | 4.62 | 112.004 | 1.410   | 0.20 |
| 1E | 290-518.241 | -23.721 | -7.424 | 3.08 | 3.08 | 4.62 | 4.62 | 123.387 | 42.379  | 0.19 |
| 1F | 290-518.241 | -23.721 | -0.286 | 3.08 | 3.08 | 4.62 | 4.62 | 123.387 | 1.469   | 0.19 |
| 1G | 290-518.241 | 22.197  | -7.424 | 3.08 | 3.08 | 4.62 | 4.62 | 116.723 | 42.379  | 0.19 |
| 1H | 290-518.241 | 22.197  | -0.286 | 3.08 | 3.08 | 4.62 | 4.62 | 116.723 | 1.469   | 0.19 |
| 1I | 290-542.273 | -50.374 | -5.503 | 3.08 | 3.08 | 4.62 | 4.62 | 207.585 | 30.754  | 0.24 |
| 1J | 290-542.273 | -50.374 | -2.207 | 3.08 | 3.08 | 4.62 | 4.62 | 207.585 | 12.683  | 0.24 |
| 1K | 290-542.273 | 48.851  | -5.503 | 3.08 | 3.08 | 4.62 | 4.62 | 203.772 | 30.754  | 0.24 |
| 1L | 290-542.273 | 48.851  | -2.207 | 3.08 | 3.08 | 4.62 | 4.62 | 203.772 | 12.683  | 0.24 |
| 1M | 290-520.127 | -50.374 | -5.503 | 3.08 | 3.08 | 4.62 | 4.62 | 212.727 | 31.858  | 0.24 |
| 1N | 290-520.127 | -50.374 | -2.207 | 3.08 | 3.08 | 4.62 | 4.62 | 212.727 | 13.120  | 0.24 |
| 1O | 290-520.127 | 48.851  | -5.503 | 3.08 | 3.08 | 4.62 | 4.62 | 208.945 | 31.858  | 0.23 |
| 1P | 290-520.127 | 48.851  | -2.207 | 3.08 | 3.08 | 4.62 | 4.62 | 208.945 | 13.120  | 0.23 |



# VERIFICA PER MECCANISMI POTENZIALMENTE DUTTILI (PRESSOFLESSIONE)

Lavoro: **Aule\_revPS\_NTC+ Par\_04\_q=2-5** Intestazione lavoro:  
 Elemento: **PILASTRO** Gruppo: **1** Tabella: **Tabella pilastri**  
 Descrizione: **Pilastri I impalcato**  
 Rcm: **21.00** N/mm<sup>2</sup> fym: **380.0** N/mm<sup>2</sup> fatt. confidenza: **1.00**  
 Tensioni di calcolo: fcdm: **-14.81** N/mm<sup>2</sup> fydm: **380.0** N/mm<sup>2</sup>  
 Coefficienti parziali di sicurezza dei materiali:  $\gamma_c$ : **1.50**  $\gamma_s$ : **1.15**  $\gamma_{acc}$ : **0.85**  
 Coefficiente di fragilità a sforzo normale: **0.800**

**ASTA NUM. 64** NI 3 NF 4 SEZ. Rp B= 0.400 H= 0.600 (pilastro)  
**PIL. NUM. 13**  
 Copriferro: 3.0 cm

| NC | x          | Fx      | My      | Mz   | APOST | AANT | AINF | ASUP    | My.Res. | Mz.Res. | I.R. | Note |
|----|------------|---------|---------|------|-------|------|------|---------|---------|---------|------|------|
|    | cm         | kN      | kN*m    |      |       |      |      |         | kN*m    |         | Fx,M |      |
| 1A | 0-664.123  | 30.227  | 8.826   | 4.62 | 4.62  | 3.08 | 3.08 | 135.405 | 48.759  | 0.22    |      |      |
| 1B | 0-664.123  | 30.227  | -10.518 | 4.62 | 4.62  | 3.08 | 3.08 | 135.405 | 57.480  | 0.22    |      |      |
| 1C | 0-664.123  | -16.583 | 8.826   | 4.62 | 4.62  | 3.08 | 3.08 | 83.265  | 48.759  | 0.21    |      |      |
| 1D | 0-664.123  | -16.583 | -10.518 | 4.62 | 4.62  | 3.08 | 3.08 | 83.265  | 57.480  | 0.21    |      |      |
| 1E | 0-439.077  | 30.227  | 8.826   | 4.62 | 4.62  | 3.08 | 3.08 | 178.171 | 71.721  | 0.17    |      |      |
| 1F | 0-439.077  | 30.227  | -10.518 | 4.62 | 4.62  | 3.08 | 3.08 | 178.171 | 84.299  | 0.17    |      |      |
| 1G | 0-439.077  | -16.583 | 8.826   | 4.62 | 4.62  | 3.08 | 3.08 | 117.342 | 71.721  | 0.14    |      |      |
| 1H | 0-439.077  | -16.583 | -10.518 | 4.62 | 4.62  | 3.08 | 3.08 | 117.342 | 84.299  | 0.14    |      |      |
| 1I | 0-628.864  | 58.306  | 14.759  | 4.62 | 4.62  | 3.08 | 3.08 | 206.869 | 82.741  | 0.28    |      |      |
| 1J | 0-628.864  | 58.306  | -16.451 | 4.62 | 4.62  | 3.08 | 3.08 | 206.869 | 91.290  | 0.28    |      |      |
| 1K | 0-628.864  | -44.662 | 14.759  | 4.62 | 4.62  | 3.08 | 3.08 | 181.367 | 82.741  | 0.25    |      |      |
| 1L | 0-628.864  | -44.662 | -16.451 | 4.62 | 4.62  | 3.08 | 3.08 | 181.367 | 91.290  | 0.25    |      |      |
| 1M | 0-474.336  | 58.306  | 14.759  | 4.62 | 4.62  | 3.08 | 3.08 | 227.820 | 106.394 | 0.26    |      |      |
| 1N | 0-474.336  | 58.306  | -16.451 | 4.62 | 4.62  | 3.08 | 3.08 | 227.820 | 116.991 | 0.26    |      |      |
| 1O | 0-474.336  | -44.662 | 14.759  | 4.62 | 4.62  | 3.08 | 3.08 | 208.201 | 106.394 | 0.21    |      |      |
| 1P | 0-474.336  | -44.662 | -16.451 | 4.62 | 4.62  | 3.08 | 3.08 | 208.201 | 116.991 | 0.21    |      |      |
| 1A | 19-662.983 | 27.282  | 4.847   | 4.62 | 4.62  | 3.08 | 3.08 | 125.453 | 27.352  | 0.22    |      |      |
| 1B | 19-662.983 | 27.282  | -12.604 | 4.62 | 4.62  | 3.08 | 3.08 | 125.453 | 68.263  | 0.22    |      |      |
| 1C | 19-662.983 | -14.404 | 4.847   | 4.62 | 4.62  | 3.08 | 3.08 | 73.898  | 27.352  | 0.21    |      |      |
| 1D | 19-662.983 | -14.404 | -12.604 | 4.62 | 4.62  | 3.08 | 3.08 | 73.898  | 68.263  | 0.21    |      |      |
| 1E | 19-437.937 | 27.282  | 4.847   | 4.62 | 4.62  | 3.08 | 3.08 | 167.811 | 40.986  | 0.16    |      |      |
| 1F | 19-437.937 | 27.282  | -12.604 | 4.62 | 4.62  | 3.08 | 3.08 | 167.811 | 99.275  | 0.16    |      |      |
| 1G | 19-437.937 | -14.404 | 4.847   | 4.62 | 4.62  | 3.08 | 3.08 | 104.862 | 40.986  | 0.14    |      |      |
| 1H | 19-437.937 | -14.404 | -12.604 | 4.62 | 4.62  | 3.08 | 3.08 | 104.862 | 99.275  | 0.14    |      |      |
| 1I | 19-627.724 | 52.262  | 10.228  | 4.62 | 4.62  | 3.08 | 3.08 | 197.075 | 59.051  | 0.27    |      |      |
| 1J | 19-627.724 | 52.262  | -17.985 | 4.62 | 4.62  | 3.08 | 3.08 | 197.075 | 98.875  | 0.27    |      |      |
| 1K | 19-627.724 | -39.383 | 10.228  | 4.62 | 4.62  | 3.08 | 3.08 | 168.551 | 59.051  | 0.23    |      |      |
| 1L | 19-627.724 | -39.383 | -17.985 | 4.62 | 4.62  | 3.08 | 3.08 | 168.551 | 98.875  | 0.23    |      |      |
| 1M | 19-473.196 | 52.262  | 10.228  | 4.62 | 4.62  | 3.08 | 3.08 | 220.753 | 76.719  | 0.24    |      |      |
| 1N | 19-473.196 | 52.262  | -17.985 | 4.62 | 4.62  | 3.08 | 3.08 | 220.753 | 126.428 | 0.24    |      |      |
| 1O | 19-473.196 | -39.383 | 10.228  | 4.62 | 4.62  | 3.08 | 3.08 | 197.044 | 76.719  | 0.20    |      |      |
| 1P | 19-473.196 | -39.383 | -17.985 | 4.62 | 4.62  | 3.08 | 3.08 | 197.044 | 126.428 | 0.20    |      |      |
| 1A | 39-661.843 | 24.337  | 0.869   | 4.62 | 4.62  | 3.08 | 3.08 | 114.852 | 4.773   | 0.21    |      |      |
| 1B | 39-661.843 | 24.337  | -14.690 | 4.62 | 4.62  | 3.08 | 3.08 | 114.852 | 78.616  | 0.21    |      |      |
| 1C | 39-661.843 | -12.224 | 0.869   | 4.62 | 4.62  | 3.08 | 3.08 | 63.958  | 4.773   | 0.21    |      |      |
| 1D | 39-661.843 | -12.224 | -14.690 | 4.62 | 4.62  | 3.08 | 3.08 | 63.958  | 78.616  | 0.21    |      |      |
| 1E | 39-436.797 | 24.337  | 0.869   | 4.62 | 4.62  | 3.08 | 3.08 | 156.145 | 7.327   | 0.16    |      |      |
| 1F | 39-436.797 | 24.337  | -14.690 | 4.62 | 4.62  | 3.08 | 3.08 | 156.145 | 113.900 | 0.16    |      |      |
| 1G | 39-436.797 | -12.224 | 0.869   | 4.62 | 4.62  | 3.08 | 3.08 | 91.799  | 7.327   | 0.14    |      |      |
| 1H | 39-436.797 | -12.224 | -14.690 | 4.62 | 4.62  | 3.08 | 3.08 | 91.799  | 113.900 | 0.14    |      |      |
| 1I | 39-626.584 | 46.218  | 5.697   | 4.62 | 4.62  | 3.08 | 3.08 | 185.211 | 33.804  | 0.25    |      |      |
| 1J | 39-626.584 | 46.218  | -19.518 | 4.62 | 4.62  | 3.08 | 3.08 | 185.211 | 106.498 | 0.25    |      |      |
| 1K | 39-626.584 | -34.105 | 5.697   | 4.62 | 4.62  | 3.08 | 3.08 | 153.710 | 33.804  | 0.22    |      |      |
| 1L | 39-626.584 | -34.105 | -19.518 | 4.62 | 4.62  | 3.08 | 3.08 | 153.710 | 106.498 | 0.22    |      |      |
| 1M | 39-472.056 | 46.218  | 5.697   | 4.62 | 4.62  | 3.08 | 3.08 | 211.485 | 44.423  | 0.22    |      |      |
| 1N | 39-472.056 | 46.218  | -19.518 | 4.62 | 4.62  | 3.08 | 3.08 | 211.485 | 135.842 | 0.22    |      |      |
| 1O | 39-472.056 | -34.105 | 5.697   | 4.62 | 4.62  | 3.08 | 3.08 | 183.112 | 44.423  | 0.19    |      |      |
| 1P | 39-472.056 | -34.105 | -19.518 | 4.62 | 4.62  | 3.08 | 3.08 | 183.112 | 135.842 | 0.19    |      |      |
| 1A | 58-660.703 | 21.392  | -3.110  | 4.62 | 4.62  | 3.08 | 3.08 | 103.509 | 17.732  | 0.21    |      |      |
| 1B | 58-660.703 | 21.392  | -16.776 | 4.62 | 4.62  | 3.08 | 3.08 | 103.509 | 88.866  | 0.21    |      |      |
| 1C | 58-660.703 | -10.045 | -3.110  | 4.62 | 4.62  | 3.08 | 3.08 | 53.716  | 17.732  | 0.21    |      |      |
| 1D | 58-660.703 | -10.045 | -16.776 | 4.62 | 4.62  | 3.08 | 3.08 | 53.716  | 88.866  | 0.21    |      |      |
| 1E | 58-435.657 | 21.392  | -3.110  | 4.62 | 4.62  | 3.08 | 3.08 | 143.077 | 26.707  | 0.15    |      |      |
| 1F | 58-435.657 | 21.392  | -16.776 | 4.62 | 4.62  | 3.08 | 3.08 | 143.077 | 127.853 | 0.15    |      |      |
| 1G | 58-435.657 | -10.045 | -3.110  | 4.62 | 4.62  | 3.08 | 3.08 | 77.677  | 26.707  | 0.14    |      |      |
| 1H | 58-435.657 | -10.045 | -16.776 | 4.62 | 4.62  | 3.08 | 3.08 | 77.677  | 127.853 | 0.14    |      |      |
| 1I | 58-625.444 | 40.173  | 1.166   | 4.62 | 4.62  | 3.08 | 3.08 | 171.000 | 6.913   | 0.23    |      |      |
| 1J | 58-625.444 | 40.173  | -21.051 | 4.62 | 4.62  | 3.08 | 3.08 | 171.000 | 113.981 | 0.23    |      |      |
| 1K | 58-625.444 | -28.826 | 1.166   | 4.62 | 4.62  | 3.08 | 3.08 | 136.663 | 6.913   | 0.21    |      |      |
| 1L | 58-625.444 | -28.826 | -21.051 | 4.62 | 4.62  | 3.08 | 3.08 | 136.663 | 113.981 | 0.21    |      |      |
| 1M | 58-470.916 | 40.173  | 1.166   | 4.62 | 4.62  | 3.08 | 3.08 | 199.362 | 9.254   | 0.20    |      |      |
| 1N | 58-470.916 | 40.173  | -21.051 | 4.62 | 4.62  | 3.08 | 3.08 | 199.362 | 145.041 | 0.20    |      |      |
| 1O | 58-470.916 | -28.826 | 1.166   | 4.62 | 4.62  | 3.08 | 3.08 | 165.978 | 9.254   | 0.17    |      |      |
| 1P | 58-470.916 | -28.826 | -21.051 | 4.62 | 4.62  | 3.08 | 3.08 | 165.978 | 145.041 | 0.17    |      |      |
| 1A | 77-659.563 | 18.447  | -7.089  | 4.62 | 4.62  | 3.08 | 3.08 | 91.751  | 39.832  | 0.21    |      |      |
| 1B | 77-659.563 | 18.447  | -18.862 | 4.62 | 4.62  | 3.08 | 3.08 | 91.751  | 98.709  | 0.21    |      |      |
| 1C | 77-659.563 | -7.865  | -7.089  | 4.62 | 4.62  | 3.08 | 3.08 | 42.821  | 39.832  | 0.21    |      |      |
| 1D | 77-659.563 | -7.865  | -18.862 | 4.62 | 4.62  | 3.08 | 3.08 | 42.821  | 98.709  | 0.21    |      |      |
| 1E | 77-434.517 | 18.447  | -7.089  | 4.62 | 4.62  | 3.08 | 3.08 | 128.514 | 59.121  | 0.14    |      |      |
| 1F | 77-434.517 | 18.447  | -18.862 | 4.62 | 4.62  | 3.08 | 3.08 | 128.514 | 141.521 | 0.14    |      |      |
| 1G | 77-434.517 | -7.865  | -7.089  | 4.62 | 4.62  | 3.08 | 3.08 | 62.805  | 59.121  | 0.14    |      |      |
| 1H | 77-434.517 | -7.865  | -18.862 | 4.62 | 4.62  | 3.08 | 3.08 | 62.805  | 141.521 | 0.14    |      |      |

|    |             |         |         |      |      |      |      |         |         |      |
|----|-------------|---------|---------|------|------|------|------|---------|---------|------|
| 1I | 77-624.304  | 34.129  | -3.366  | 4.62 | 4.62 | 3.08 | 3.08 | 154.164 | 20.232  | 0.22 |
| 1J | 77-624.304  | 34.129  | -22.585 | 4.62 | 4.62 | 3.08 | 3.08 | 154.164 | 121.151 | 0.22 |
| 1K | 77-624.304  | -23.548 | -3.366  | 4.62 | 4.62 | 3.08 | 3.08 | 117.218 | 20.232  | 0.20 |
| 1L | 77-624.304  | -23.548 | -22.585 | 4.62 | 4.62 | 3.08 | 3.08 | 117.218 | 121.151 | 0.20 |
| 1M | 77-469.776  | 34.129  | -3.366  | 4.62 | 4.62 | 3.08 | 3.08 | 183.676 | 26.801  | 0.19 |
| 1N | 77-469.776  | 34.129  | -22.585 | 4.62 | 4.62 | 3.08 | 3.08 | 183.676 | 154.035 | 0.19 |
| 1O | 77-469.776  | -23.548 | -3.366  | 4.62 | 4.62 | 3.08 | 3.08 | 145.188 | 26.801  | 0.16 |
| 1P | 77-469.776  | -23.548 | -22.585 | 4.62 | 4.62 | 3.08 | 3.08 | 145.188 | 154.035 | 0.16 |
| 1A | 97-658.423  | 15.502  | -11.067 | 4.62 | 4.62 | 3.08 | 3.08 | 79.115  | 60.818  | 0.21 |
| 1B | 97-658.423  | 15.502  | -20.947 | 4.62 | 4.62 | 3.08 | 3.08 | 79.115  | 108.497 | 0.21 |
| 1C | 97-658.423  | -5.686  | -11.067 | 4.62 | 4.62 | 3.08 | 3.08 | 31.565  | 60.818  | 0.21 |
| 1D | 97-658.423  | -5.686  | -20.947 | 4.62 | 4.62 | 3.08 | 3.08 | 31.565  | 108.497 | 0.21 |
| 1E | 97-433.377  | 15.502  | -11.067 | 4.62 | 4.62 | 3.08 | 3.08 | 112.319 | 89.331  | 0.14 |
| 1F | 97-433.377  | 15.502  | -20.947 | 4.62 | 4.62 | 3.08 | 3.08 | 112.319 | 154.718 | 0.14 |
| 1G | 97-433.377  | -5.686  | -11.067 | 4.62 | 4.62 | 3.08 | 3.08 | 46.855  | 89.331  | 0.14 |
| 1H | 97-433.377  | -5.686  | -20.947 | 4.62 | 4.62 | 3.08 | 3.08 | 46.855  | 154.718 | 0.14 |
| 1I | 97-623.164  | 28.085  | -7.897  | 4.62 | 4.62 | 3.08 | 3.08 | 134.421 | 46.574  | 0.21 |
| 1J | 97-623.164  | 28.085  | -24.118 | 4.62 | 4.62 | 3.08 | 3.08 | 134.421 | 128.411 | 0.21 |
| 1K | 97-623.164  | -18.269 | -7.897  | 4.62 | 4.62 | 3.08 | 3.08 | 95.462  | 46.574  | 0.20 |
| 1L | 97-623.164  | -18.269 | -24.118 | 4.62 | 4.62 | 3.08 | 3.08 | 95.462  | 128.411 | 0.20 |
| 1M | 97-468.636  | 28.085  | -7.897  | 4.62 | 4.62 | 3.08 | 3.08 | 163.762 | 60.959  | 0.17 |
| 1N | 97-468.636  | 28.085  | -24.118 | 4.62 | 4.62 | 3.08 | 3.08 | 163.762 | 162.688 | 0.17 |
| 1O | 97-468.636  | -18.269 | -7.897  | 4.62 | 4.62 | 3.08 | 3.08 | 120.341 | 60.959  | 0.15 |
| 1P | 97-468.636  | -18.269 | -24.118 | 4.62 | 4.62 | 3.08 | 3.08 | 120.341 | 162.688 | 0.15 |
| 1A | 116-657.283 | 12.557  | -15.046 | 4.62 | 4.62 | 3.08 | 3.08 | 65.930  | 80.875  | 0.21 |
| 1B | 116-657.283 | 12.557  | -23.033 | 4.62 | 4.62 | 3.08 | 3.08 | 65.930  | 118.043 | 0.21 |
| 1C | 116-657.283 | -3.507  | -15.046 | 4.62 | 4.62 | 3.08 | 3.08 | 19.858  | 80.875  | 0.21 |
| 1D | 116-657.283 | -3.507  | -23.033 | 4.62 | 4.62 | 3.08 | 3.08 | 19.858  | 118.043 | 0.21 |
| 1E | 116-432.237 | 12.557  | -15.046 | 4.62 | 4.62 | 3.08 | 3.08 | 94.737  | 117.362 | 0.14 |
| 1F | 116-432.237 | 12.557  | -23.033 | 4.62 | 4.62 | 3.08 | 3.08 | 94.737  | 167.352 | 0.14 |
| 1G | 116-432.237 | -3.507  | -15.046 | 4.62 | 4.62 | 3.08 | 3.08 | 29.850  | 117.362 | 0.14 |
| 1H | 116-432.237 | -3.507  | -23.033 | 4.62 | 4.62 | 3.08 | 3.08 | 29.850  | 167.352 | 0.14 |
| 1I | 116-622.024 | 22.041  | -12.428 | 4.62 | 4.62 | 3.08 | 3.08 | 111.462 | 71.317  | 0.20 |
| 1J | 116-622.024 | 22.041  | -25.652 | 4.62 | 4.62 | 3.08 | 3.08 | 111.462 | 135.541 | 0.20 |
| 1K | 116-622.024 | -12.990 | -12.428 | 4.62 | 4.62 | 3.08 | 3.08 | 71.370  | 71.317  | 0.19 |
| 1L | 116-622.024 | -12.990 | -25.652 | 4.62 | 4.62 | 3.08 | 3.08 | 71.370  | 135.541 | 0.19 |
| 1M | 116-467.496 | 22.041  | -12.428 | 4.62 | 4.62 | 3.08 | 3.08 | 138.945 | 92.437  | 0.16 |
| 1N | 116-467.496 | 22.041  | -25.652 | 4.62 | 4.62 | 3.08 | 3.08 | 138.945 | 171.342 | 0.16 |
| 1O | 116-467.496 | -12.990 | -12.428 | 4.62 | 4.62 | 3.08 | 3.08 | 91.246  | 92.437  | 0.15 |
| 1P | 116-467.496 | -12.990 | -25.652 | 4.62 | 4.62 | 3.08 | 3.08 | 91.246  | 171.342 | 0.15 |
| 1A | 135-656.143 | 9.612   | -19.025 | 4.62 | 4.62 | 3.08 | 3.08 | 51.911  | 99.935  | 0.21 |
| 1B | 135-656.143 | 9.612   | -25.119 | 4.62 | 4.62 | 3.08 | 3.08 | 51.911  | 127.216 | 0.21 |
| 1C | 135-656.143 | -1.327  | -19.025 | 4.62 | 4.62 | 3.08 | 3.08 | 7.446   | 99.935  | 0.21 |
| 1D | 135-656.143 | -1.327  | -25.119 | 4.62 | 4.62 | 3.08 | 3.08 | 7.446   | 127.216 | 0.21 |
| 1E | 135-431.097 | 9.612   | -19.025 | 4.62 | 4.62 | 3.08 | 3.08 | 75.417  | 143.491 | 0.13 |
| 1F | 135-431.097 | 9.612   | -25.119 | 4.62 | 4.62 | 3.08 | 3.08 | 75.417  | 179.516 | 0.14 |
| 1G | 135-431.097 | -1.327  | -19.025 | 4.62 | 4.62 | 3.08 | 3.08 | 11.440  | 143.491 | 0.13 |
| 1H | 135-431.097 | -1.327  | -25.119 | 4.62 | 4.62 | 3.08 | 3.08 | 11.440  | 179.516 | 0.14 |
| 1I | 135-620.884 | 15.997  | -16.959 | 4.62 | 4.62 | 3.08 | 3.08 | 85.545  | 94.726  | 0.19 |
| 1J | 135-620.884 | 15.997  | -27.185 | 4.62 | 4.62 | 3.08 | 3.08 | 85.545  | 142.547 | 0.19 |
| 1K | 135-620.884 | -7.712  | -16.959 | 4.62 | 4.62 | 3.08 | 3.08 | 44.502  | 94.726  | 0.19 |
| 1L | 135-620.884 | -7.712  | -27.185 | 4.62 | 4.62 | 3.08 | 3.08 | 44.502  | 142.547 | 0.19 |
| 1M | 135-466.356 | 15.997  | -16.959 | 4.62 | 4.62 | 3.08 | 3.08 | 108.549 | 121.700 | 0.15 |
| 1N | 135-466.356 | 15.997  | -27.185 | 4.62 | 4.62 | 3.08 | 3.08 | 108.549 | 179.575 | 0.15 |
| 1O | 135-466.356 | -7.712  | -16.959 | 4.62 | 4.62 | 3.08 | 3.08 | 57.839  | 121.700 | 0.15 |
| 1P | 135-466.356 | -7.712  | -27.185 | 4.62 | 4.62 | 3.08 | 3.08 | 57.839  | 179.575 | 0.15 |
| 1A | 164-654.433 | 5.195   | -24.993 | 4.62 | 4.62 | 3.08 | 3.08 | 29.224  | 126.951 | 0.20 |
| 1B | 164-654.433 | 5.195   | -28.248 | 4.62 | 4.62 | 3.08 | 3.08 | 29.224  | 140.853 | 0.20 |
| 1C | 164-654.433 | 1.942   | -24.993 | 4.62 | 4.62 | 3.08 | 3.08 | 11.010  | 126.951 | 0.20 |
| 1D | 164-654.433 | 1.942   | -28.248 | 4.62 | 4.62 | 3.08 | 3.08 | 11.010  | 140.853 | 0.20 |
| 1E | 164-429.387 | 5.195   | -24.993 | 4.62 | 4.62 | 3.08 | 3.08 | 43.407  | 179.366 | 0.14 |
| 1F | 164-429.387 | 5.195   | -28.248 | 4.62 | 4.62 | 3.08 | 3.08 | 43.407  | 196.741 | 0.14 |
| 1G | 164-429.387 | 1.942   | -24.993 | 4.62 | 4.62 | 3.08 | 3.08 | 16.815  | 179.366 | 0.14 |
| 1H | 164-429.387 | 1.942   | -28.248 | 4.62 | 4.62 | 3.08 | 3.08 | 16.815  | 196.741 | 0.14 |
| 1I | 164-619.174 | 6.930   | -23.756 | 4.62 | 4.62 | 3.08 | 3.08 | 40.484  | 127.455 | 0.19 |
| 1J | 164-619.174 | 6.930   | -29.485 | 4.62 | 4.62 | 3.08 | 3.08 | 40.484  | 152.834 | 0.19 |
| 1K | 164-619.174 | 0.206   | -23.756 | 4.62 | 4.62 | 3.08 | 3.08 | 0.956   | 127.455 | 0.19 |
| 1L | 164-619.174 | 0.206   | -29.485 | 4.62 | 4.62 | 3.08 | 3.08 | 0.956   | 152.834 | 0.19 |
| 1M | 164-464.646 | 6.930   | -23.756 | 4.62 | 4.62 | 3.08 | 3.08 | 52.779  | 161.816 | 0.15 |
| 1N | 164-464.646 | 6.930   | -29.485 | 4.62 | 4.62 | 3.08 | 3.08 | 52.779  | 191.564 | 0.15 |
| 1O | 164-464.646 | 0.206   | -23.756 | 4.62 | 4.62 | 3.08 | 3.08 | 1.408   | 161.816 | 0.15 |
| 1P | 164-464.646 | 0.206   | -29.485 | 4.62 | 4.62 | 3.08 | 3.08 | 1.408   | 191.564 | 0.15 |
| 1A | 184-653.293 | 2.250   | -28.971 | 4.62 | 4.62 | 3.08 | 3.08 | 12.840  | 144.076 | 0.20 |
| 1B | 184-653.293 | 2.250   | -30.334 | 4.62 | 4.62 | 3.08 | 3.08 | 12.840  | 149.682 | 0.20 |
| 1C | 184-653.293 | 4.121   | -28.971 | 4.62 | 4.62 | 3.08 | 3.08 | 23.318  | 144.076 | 0.20 |
| 1D | 184-653.293 | 4.121   | -30.334 | 4.62 | 4.62 | 3.08 | 3.08 | 23.318  | 149.682 | 0.20 |
| 1E | 184-428.247 | 2.250   | -28.971 | 4.62 | 4.62 | 3.08 | 3.08 | 19.552  | 200.790 | 0.14 |
| 1F | 184-428.247 | 2.250   | -30.334 | 4.62 | 4.62 | 3.08 | 3.08 | 19.552  | 207.516 | 0.15 |
| 1G | 184-428.247 | 4.121   | -28.971 | 4.62 | 4.62 | 3.08 | 3.08 | 35.054  | 200.790 | 0.14 |
| 1H | 184-428.247 | 4.121   | -30.334 | 4.62 | 4.62 | 3.08 | 3.08 | 35.054  | 207.516 | 0.15 |
| 1I | 184-618.034 | 0.886   | -28.287 | 4.62 | 4.62 | 3.08 | 3.08 | 5.212   | 147.910 | 0.19 |
| 1J | 184-618.034 | 0.886   | -31.018 | 4.62 | 4.62 | 3.08 | 3.08 | 5.212   | 159.385 | 0.19 |
| 1K | 184-618.034 | 5.485   | -28.287 | 4.62 | 4.62 | 3.08 | 3.08 | 32.414  | 147.910 | 0.19 |
| 1L | 184-618.034 | 5.485   | -31.018 | 4.62 | 4.62 | 3.08 | 3.08 | 32.414  | 159.385 | 0.19 |
| 1M | 184-463.506 | 0.886   | -28.287 | 4.62 | 4.62 | 3.08 | 3.08 | 7.008   | 186.021 | 0.15 |
| 1N | 184-463.506 | 0.886   | -31.018 | 4.62 | 4.62 | 3.08 | 3.08 | 7.008   | 199.213 | 0.16 |
| 1O | 184-463.506 | 5.485   | -28.287 | 4.62 | 4.62 | 3.08 | 3.08 | 42.508  | 186.021 | 0.15 |
| 1P | 184-463.506 | 5.485   | -31.018 | 4.62 | 4.62 | 3.08 | 3.08 | 42.508  | 199.213 | 0.16 |
| 1A | 203-652.153 | -0.695  | -32.950 | 4.62 | 4.62 | 3.08 | 3.08 | 3.818   | 160.259 | 0.21 |
| 1B | 203-652.153 | -0.695  | -32.420 | 4.62 | 4.62 | 3.08 | 3.08 | 3.818   | 158.141 | 0.20 |
| 1C | 203-652.153 | 6.301   | -32.950 | 4.62 | 4.62 | 3.08 | 3.08 | 35.186  | 160.259 | 0.21 |
| 1D | 203-652.153 | 6.301   | -32.420 | 4.62 | 4.62 | 3.08 | 3.08 | 35.186  | 158.141 | 0.20 |

|    |             |         |         |      |      |      |      |         |         |      |
|----|-------------|---------|---------|------|------|------|------|---------|---------|------|
| 1E | 203-427.107 | -0.695  | -32.950 | 4.62 | 4.62 | 3.08 | 3.08 | 5.986   | 220.168 | 0.15 |
| 1F | 203-427.107 | -0.695  | -32.420 | 4.62 | 4.62 | 3.08 | 3.08 | 5.986   | 217.752 | 0.15 |
| 1G | 203-427.107 | 6.301   | -32.950 | 4.62 | 4.62 | 3.08 | 3.08 | 52.247  | 220.168 | 0.15 |
| 1H | 203-427.107 | 6.301   | -32.420 | 4.62 | 4.62 | 3.08 | 3.08 | 52.247  | 217.752 | 0.15 |
| 1I | 203-616.894 | -5.158  | -32.818 | 4.62 | 4.62 | 3.08 | 3.08 | 30.587  | 167.124 | 0.20 |
| 1J | 203-616.894 | -5.158  | -32.552 | 4.62 | 4.62 | 3.08 | 3.08 | 30.587  | 166.026 | 0.20 |
| 1K | 203-616.894 | 10.763  | -32.818 | 4.62 | 4.62 | 3.08 | 3.08 | 60.745  | 167.124 | 0.20 |
| 1L | 203-616.894 | 10.763  | -32.552 | 4.62 | 4.62 | 3.08 | 3.08 | 60.745  | 166.026 | 0.20 |
| 1M | 203-462.366 | -5.158  | -32.818 | 4.62 | 4.62 | 3.08 | 3.08 | 40.360  | 207.820 | 0.16 |
| 1N | 203-462.366 | -5.158  | -32.552 | 4.62 | 4.62 | 3.08 | 3.08 | 40.360  | 206.621 | 0.16 |
| 1O | 203-462.366 | 10.763  | -32.818 | 4.62 | 4.62 | 3.08 | 3.08 | 78.335  | 207.820 | 0.16 |
| 1P | 203-462.366 | 10.763  | -32.552 | 4.62 | 4.62 | 3.08 | 3.08 | 78.335  | 206.621 | 0.16 |
| 1A | 222-651.013 | -3.640  | -36.929 | 4.62 | 4.62 | 3.08 | 3.08 | 20.811  | 175.990 | 0.21 |
| 1B | 222-651.013 | -3.640  | -34.505 | 4.62 | 4.62 | 3.08 | 3.08 | 20.811  | 166.626 | 0.21 |
| 1C | 222-651.013 | 8.480   | -36.929 | 4.62 | 4.62 | 3.08 | 3.08 | 46.540  | 175.990 | 0.21 |
| 1D | 222-651.013 | 8.480   | -34.505 | 4.62 | 4.62 | 3.08 | 3.08 | 46.540  | 166.626 | 0.21 |
| 1E | 222-425.967 | -3.640  | -36.929 | 4.62 | 4.62 | 3.08 | 3.08 | 31.246  | 237.582 | 0.16 |
| 1F | 222-425.967 | -3.640  | -34.505 | 4.62 | 4.62 | 3.08 | 3.08 | 31.246  | 227.449 | 0.15 |
| 1G | 222-425.967 | 8.480   | -36.929 | 4.62 | 4.62 | 3.08 | 3.08 | 68.402  | 237.582 | 0.16 |
| 1H | 222-425.967 | 8.480   | -34.505 | 4.62 | 4.62 | 3.08 | 3.08 | 68.402  | 227.449 | 0.15 |
| 1I | 222-615.754 | -11.203 | -37.349 | 4.62 | 4.62 | 3.08 | 3.08 | 63.092  | 185.158 | 0.20 |
| 1J | 222-615.754 | -11.203 | -34.085 | 4.62 | 4.62 | 3.08 | 3.08 | 63.092  | 172.555 | 0.20 |
| 1K | 222-615.754 | 16.042  | -37.349 | 4.62 | 4.62 | 3.08 | 3.08 | 86.367  | 185.158 | 0.20 |
| 1L | 222-615.754 | 16.042  | -34.085 | 4.62 | 4.62 | 3.08 | 3.08 | 86.367  | 172.555 | 0.20 |
| 1M | 222-461.226 | -11.203 | -37.349 | 4.62 | 4.62 | 3.08 | 3.08 | 81.292  | 227.399 | 0.16 |
| 1N | 222-461.226 | -11.203 | -34.085 | 4.62 | 4.62 | 3.08 | 3.08 | 81.292  | 213.779 | 0.16 |
| 1O | 222-461.226 | 16.042  | -37.349 | 4.62 | 4.62 | 3.08 | 3.08 | 109.789 | 227.399 | 0.16 |
| 1P | 222-461.226 | 16.042  | -34.085 | 4.62 | 4.62 | 3.08 | 3.08 | 109.789 | 213.779 | 0.16 |
| 1A | 242-649.873 | -6.585  | -40.907 | 4.62 | 4.62 | 3.08 | 3.08 | 36.833  | 190.413 | 0.21 |
| 1B | 242-649.873 | -6.585  | -36.591 | 4.62 | 4.62 | 3.08 | 3.08 | 36.833  | 174.963 | 0.21 |
| 1C | 242-649.873 | 10.659  | -40.907 | 4.62 | 4.62 | 3.08 | 3.08 | 57.410  | 190.413 | 0.21 |
| 1D | 242-649.873 | 10.659  | -36.591 | 4.62 | 4.62 | 3.08 | 3.08 | 57.410  | 174.963 | 0.21 |
| 1E | 242-424.827 | -6.585  | -40.907 | 4.62 | 4.62 | 3.08 | 3.08 | 54.682  | 253.098 | 0.16 |
| 1F | 242-424.827 | -6.585  | -36.591 | 4.62 | 4.62 | 3.08 | 3.08 | 54.682  | 236.613 | 0.15 |
| 1G | 242-424.827 | 10.659  | -40.907 | 4.62 | 4.62 | 3.08 | 3.08 | 83.616  | 253.098 | 0.16 |
| 1H | 242-424.827 | 10.659  | -36.591 | 4.62 | 4.62 | 3.08 | 3.08 | 83.616  | 236.613 | 0.15 |
| 1I | 242-614.614 | -17.247 | -41.880 | 4.62 | 4.62 | 3.08 | 3.08 | 92.008  | 201.841 | 0.21 |
| 1J | 242-614.614 | -17.247 | -35.618 | 4.62 | 4.62 | 3.08 | 3.08 | 92.008  | 178.753 | 0.20 |
| 1K | 242-614.614 | 21.321  | -41.880 | 4.62 | 4.62 | 3.08 | 3.08 | 109.552 | 201.841 | 0.21 |
| 1L | 242-614.614 | 21.321  | -35.618 | 4.62 | 4.62 | 3.08 | 3.08 | 109.552 | 178.753 | 0.20 |
| 1M | 242-460.086 | -17.247 | -41.880 | 4.62 | 4.62 | 3.08 | 3.08 | 116.640 | 244.828 | 0.17 |
| 1N | 242-460.086 | -17.247 | -35.618 | 4.62 | 4.62 | 3.08 | 3.08 | 116.640 | 220.688 | 0.16 |
| 1O | 242-460.086 | 21.321  | -41.880 | 4.62 | 4.62 | 3.08 | 3.08 | 137.209 | 244.828 | 0.17 |
| 1P | 242-460.086 | 21.321  | -35.618 | 4.62 | 4.62 | 3.08 | 3.08 | 137.209 | 220.688 | 0.16 |
| 1A | 261-648.733 | -9.530  | -44.886 | 4.62 | 4.62 | 3.08 | 3.08 | 52.048  | 204.075 | 0.22 |
| 1B | 261-648.733 | -9.530  | -38.677 | 4.62 | 4.62 | 3.08 | 3.08 | 52.048  | 182.736 | 0.21 |
| 1C | 261-648.733 | 12.839  | -44.886 | 4.62 | 4.62 | 3.08 | 3.08 | 68.043  | 204.075 | 0.22 |
| 1D | 261-648.733 | 12.839  | -38.677 | 4.62 | 4.62 | 3.08 | 3.08 | 68.043  | 182.736 | 0.21 |
| 1E | 261-423.687 | -9.530  | -44.886 | 4.62 | 4.62 | 3.08 | 3.08 | 76.007  | 266.840 | 0.17 |
| 1F | 261-423.687 | -9.530  | -38.677 | 4.62 | 4.62 | 3.08 | 3.08 | 76.007  | 245.250 | 0.16 |
| 1G | 261-423.687 | 12.839  | -44.886 | 4.62 | 4.62 | 3.08 | 3.08 | 98.140  | 266.840 | 0.17 |
| 1H | 261-423.687 | 12.839  | -38.677 | 4.62 | 4.62 | 3.08 | 3.08 | 98.140  | 245.250 | 0.16 |
| 1I | 261-613.474 | -23.291 | -46.411 | 4.62 | 4.62 | 3.08 | 3.08 | 117.833 | 217.258 | 0.21 |
| 1J | 261-613.474 | -23.291 | -37.152 | 4.62 | 4.62 | 3.08 | 3.08 | 117.833 | 184.934 | 0.20 |
| 1K | 261-613.474 | 26.599  | -46.411 | 4.62 | 4.62 | 3.08 | 3.08 | 130.586 | 217.258 | 0.21 |
| 1L | 261-613.474 | 26.599  | -37.152 | 4.62 | 4.62 | 3.08 | 3.08 | 130.586 | 184.934 | 0.20 |
| 1M | 261-458.946 | -23.291 | -46.411 | 4.62 | 4.62 | 3.08 | 3.08 | 146.459 | 260.214 | 0.18 |
| 1N | 261-458.946 | -23.291 | -37.152 | 4.62 | 4.62 | 3.08 | 3.08 | 146.459 | 227.348 | 0.16 |
| 1O | 261-458.946 | 26.599  | -46.411 | 4.62 | 4.62 | 3.08 | 3.08 | 160.263 | 260.214 | 0.18 |
| 1P | 261-458.946 | 26.599  | -37.152 | 4.62 | 4.62 | 3.08 | 3.08 | 160.263 | 227.348 | 0.17 |
| 1A | 290-647.023 | -13.948 | -50.854 | 4.62 | 4.62 | 3.08 | 3.08 | 73.395  | 222.944 | 0.23 |
| 1B | 290-647.023 | -13.948 | -41.806 | 4.62 | 4.62 | 3.08 | 3.08 | 73.395  | 194.150 | 0.22 |
| 1C | 290-647.023 | 16.108  | -50.854 | 4.62 | 4.62 | 3.08 | 3.08 | 83.051  | 222.944 | 0.23 |
| 1D | 290-647.023 | 16.108  | -41.806 | 4.62 | 4.62 | 3.08 | 3.08 | 83.051  | 194.150 | 0.22 |
| 1E | 290-421.977 | -13.948 | -50.854 | 4.62 | 4.62 | 3.08 | 3.08 | 105.295 | 284.249 | 0.18 |
| 1F | 290-421.977 | -13.948 | -41.806 | 4.62 | 4.62 | 3.08 | 3.08 | 105.295 | 257.246 | 0.16 |
| 1G | 290-421.977 | 16.108  | -50.854 | 4.62 | 4.62 | 3.08 | 3.08 | 118.346 | 284.249 | 0.18 |
| 1H | 290-421.977 | 16.108  | -41.806 | 4.62 | 4.62 | 3.08 | 3.08 | 118.346 | 257.246 | 0.16 |
| 1I | 290-611.764 | -32.357 | -53.208 | 4.62 | 4.62 | 3.08 | 3.08 | 150.732 | 238.064 | 0.22 |
| 1J | 290-611.764 | -32.357 | -39.452 | 4.62 | 4.62 | 3.08 | 3.08 | 150.732 | 193.874 | 0.21 |
| 1K | 290-611.764 | 34.517  | -53.208 | 4.62 | 4.62 | 3.08 | 3.08 | 157.459 | 238.064 | 0.22 |
| 1L | 290-611.764 | 34.517  | -39.452 | 4.62 | 4.62 | 3.08 | 3.08 | 157.459 | 193.874 | 0.22 |
| 1M | 290-457.236 | -32.357 | -53.208 | 4.62 | 4.62 | 3.08 | 3.08 | 181.002 | 279.685 | 0.19 |
| 1N | 290-457.236 | -32.357 | -39.452 | 4.62 | 4.62 | 3.08 | 3.08 | 181.002 | 236.874 | 0.18 |
| 1O | 290-457.236 | 34.517  | -53.208 | 4.62 | 4.62 | 3.08 | 3.08 | 187.537 | 279.685 | 0.19 |
| 1P | 290-457.236 | 34.517  | -39.452 | 4.62 | 4.62 | 3.08 | 3.08 | 187.537 | 236.874 | 0.18 |

# VERIFICA PER MECCANISMI POTENZIALMENTE DUTTILI (PRESSOFLESSIONE)

Lavoro: **Aule\_revPS\_NTC+ Par\_04\_q=2-5** Intestazione lavoro:  
 Elemento: **PILASTRO** Gruppo: **4** Tabella: **Pil\_C21\_Aq50\_FC1.2**  
 Descrizione: **Pilastri II impalcato**  
 Spunt. I **20.0** cm Spunt. J **20.0** cm  
 Rcm: **21.00** N/mm<sup>2</sup> fym: **380.0** N/mm<sup>2</sup> fatt. confidenza: **1.20**  
 Tensioni di calcolo: fcdm: **-12.34** N/mm<sup>2</sup> fydm: **316.7** N/mm<sup>2</sup>  
 Coefficienti parziali di sicurezza dei materiali:  $\gamma_c$ : **1.50**  $\gamma_s$ : **1.15**  $\alpha_{cc}$ : **0.85**  
 Coefficiente di fragilità a sforzo normale: **0.800**

**ASTA NUM. 1** NI 64 NF 65 SEZ. Rp B= 0.600 H= 0.400 (pilastro)  
**PIL. NUM. 17**  
 Copriferro: 3.0 cm

| NC | x           | Fx      | My      | Mz   | APOST | AANT | AINF | ASUP    | My.Res. | Mz.Res. | I.R. | Note |
|----|-------------|---------|---------|------|-------|------|------|---------|---------|---------|------|------|
|    | cm          | kN      | kN*m    |      | cmq   |      |      |         | kN*m    |         | Fx,M |      |
| 1A | 0-393.244   | 4.387   | -10.812 | 3.08 | 3.08  | 4.62 | 4.62 | 34.314  | 75.340  | 0.15    |      |      |
| 1B | 0-393.244   | 4.387   | -13.932 | 3.08 | 3.08  | 4.62 | 4.62 | 34.314  | 92.860  | 0.15    |      |      |
| 1C | 0-393.244   | -4.260  | -10.812 | 3.08 | 3.08  | 4.62 | 4.62 | 33.339  | 75.340  | 0.15    |      |      |
| 1D | 0-393.244   | -4.260  | -13.932 | 3.08 | 3.08  | 4.62 | 4.62 | 33.339  | 92.860  | 0.15    |      |      |
| 1E | 0-374.956   | 4.387   | -10.812 | 3.08 | 3.08  | 4.62 | 4.62 | 35.944  | 78.433  | 0.14    |      |      |
| 1F | 0-374.956   | 4.387   | -13.932 | 3.08 | 3.08  | 4.62 | 4.62 | 35.944  | 96.500  | 0.14    |      |      |
| 1G | 0-374.956   | -4.260  | -10.812 | 3.08 | 3.08  | 4.62 | 4.62 | 34.927  | 78.433  | 0.14    |      |      |
| 1H | 0-374.956   | -4.260  | -13.932 | 3.08 | 3.08  | 4.62 | 4.62 | 34.927  | 96.500  | 0.14    |      |      |
| 1I | 0-391.109   | 9.370   | -11.627 | 3.08 | 3.08  | 4.62 | 4.62 | 70.254  | 80.468  | 0.15    |      |      |
| 1J | 0-391.109   | 9.370   | -13.116 | 3.08 | 3.08  | 4.62 | 4.62 | 70.254  | 88.789  | 0.15    |      |      |
| 1K | 0-391.109   | -9.242  | -11.627 | 3.08 | 3.08  | 4.62 | 4.62 | 69.382  | 80.468  | 0.15    |      |      |
| 1L | 0-391.109   | -9.242  | -13.116 | 3.08 | 3.08  | 4.62 | 4.62 | 69.382  | 88.789  | 0.15    |      |      |
| 1M | 0-377.091   | 9.370   | -11.627 | 3.08 | 3.08  | 4.62 | 4.62 | 72.621  | 82.807  | 0.14    |      |      |
| 1N | 0-377.091   | 9.370   | -13.116 | 3.08 | 3.08  | 4.62 | 4.62 | 72.621  | 91.482  | 0.14    |      |      |
| 1O | 0-377.091   | -9.242  | -11.627 | 3.08 | 3.08  | 4.62 | 4.62 | 71.725  | 82.807  | 0.14    |      |      |
| 1P | 0-377.091   | -9.242  | -13.116 | 3.08 | 3.08  | 4.62 | 4.62 | 71.725  | 91.482  | 0.14    |      |      |
| 1A | 13-392.509  | 3.968   | -11.075 | 3.08 | 3.08  | 4.62 | 4.62 | 31.282  | 77.011  | 0.15    |      |      |
| 1B | 13-392.509  | 3.968   | -13.390 | 3.08 | 3.08  | 4.62 | 4.62 | 31.282  | 90.041  | 0.15    |      |      |
| 1C | 13-392.509  | -3.847  | -11.075 | 3.08 | 3.08  | 4.62 | 4.62 | 30.353  | 77.011  | 0.15    |      |      |
| 1D | 13-392.509  | -3.847  | -13.390 | 3.08 | 3.08  | 4.62 | 4.62 | 30.353  | 90.041  | 0.15    |      |      |
| 1E | 13-374.220  | 3.968   | -11.075 | 3.08 | 3.08  | 4.62 | 4.62 | 32.646  | 80.163  | 0.14    |      |      |
| 1F | 13-374.220  | 3.968   | -13.390 | 3.08 | 3.08  | 4.62 | 4.62 | 32.646  | 93.609  | 0.14    |      |      |
| 1G | 13-374.220  | -3.847  | -11.075 | 3.08 | 3.08  | 4.62 | 4.62 | 31.800  | 80.163  | 0.14    |      |      |
| 1H | 13-374.220  | -3.847  | -13.390 | 3.08 | 3.08  | 4.62 | 4.62 | 31.800  | 93.609  | 0.14    |      |      |
| 1I | 13-390.374  | 8.464   | -11.674 | 3.08 | 3.08  | 4.62 | 4.62 | 64.118  | 80.864  | 0.15    |      |      |
| 1J | 13-390.374  | 8.464   | -12.791 | 3.08 | 3.08  | 4.62 | 4.62 | 64.118  | 87.104  | 0.15    |      |      |
| 1K | 13-390.374  | -8.344  | -11.674 | 3.08 | 3.08  | 4.62 | 4.62 | 63.274  | 80.864  | 0.15    |      |      |
| 1L | 13-390.374  | -8.344  | -12.791 | 3.08 | 3.08  | 4.62 | 4.62 | 63.274  | 87.104  | 0.15    |      |      |
| 1M | 13-376.355  | 8.464   | -11.674 | 3.08 | 3.08  | 4.62 | 4.62 | 66.312  | 83.221  | 0.14    |      |      |
| 1N | 13-376.355  | 8.464   | -12.791 | 3.08 | 3.08  | 4.62 | 4.62 | 66.312  | 89.766  | 0.14    |      |      |
| 1O | 13-376.355  | -8.344  | -11.674 | 3.08 | 3.08  | 4.62 | 4.62 | 65.443  | 83.221  | 0.14    |      |      |
| 1P | 13-376.355  | -8.344  | -12.791 | 3.08 | 3.08  | 4.62 | 4.62 | 65.443  | 89.766  | 0.14    |      |      |
| 1A | 25-391.773  | 3.534   | -10.779 | 3.08 | 3.08  | 4.62 | 4.62 | 27.980  | 75.390  | 0.15    |      |      |
| 1B | 25-391.773  | 3.534   | -12.290 | 3.08 | 3.08  | 4.62 | 4.62 | 27.980  | 84.009  | 0.15    |      |      |
| 1C | 25-391.773  | -3.448  | -10.779 | 3.08 | 3.08  | 4.62 | 4.62 | 27.304  | 75.390  | 0.15    |      |      |
| 1D | 25-391.773  | -3.448  | -12.290 | 3.08 | 3.08  | 4.62 | 4.62 | 27.304  | 84.009  | 0.15    |      |      |
| 1E | 25-373.484  | 3.534   | -10.779 | 3.08 | 3.08  | 4.62 | 4.62 | 29.327  | 78.497  | 0.14    |      |      |
| 1F | 25-373.484  | 3.534   | -12.290 | 3.08 | 3.08  | 4.62 | 4.62 | 29.327  | 87.410  | 0.14    |      |      |
| 1G | 25-373.484  | -3.448  | -10.779 | 3.08 | 3.08  | 4.62 | 4.62 | 28.623  | 78.497  | 0.14    |      |      |
| 1H | 25-373.484  | -3.448  | -12.290 | 3.08 | 3.08  | 4.62 | 4.62 | 28.623  | 87.410  | 0.14    |      |      |
| 1I | 25-389.638  | 7.545   | -11.162 | 3.08 | 3.08  | 4.62 | 4.62 | 57.725  | 78.003  | 0.15    |      |      |
| 1J | 25-389.638  | 7.545   | -11.907 | 3.08 | 3.08  | 4.62 | 4.62 | 57.725  | 82.192  | 0.15    |      |      |
| 1K | 25-389.638  | -7.459  | -11.162 | 3.08 | 3.08  | 4.62 | 4.62 | 57.106  | 78.003  | 0.15    |      |      |
| 1L | 25-389.638  | -7.459  | -11.907 | 3.08 | 3.08  | 4.62 | 4.62 | 57.106  | 82.192  | 0.15    |      |      |
| 1M | 25-375.619  | 7.545   | -11.162 | 3.08 | 3.08  | 4.62 | 4.62 | 59.734  | 80.439  | 0.14    |      |      |
| 1N | 25-375.619  | 7.545   | -11.907 | 3.08 | 3.08  | 4.62 | 4.62 | 59.734  | 84.748  | 0.14    |      |      |
| 1O | 25-375.619  | -7.459  | -11.162 | 3.08 | 3.08  | 4.62 | 4.62 | 59.096  | 80.439  | 0.14    |      |      |
| 1P | 25-375.619  | -7.459  | -11.907 | 3.08 | 3.08  | 4.62 | 4.62 | 59.096  | 84.748  | 0.14    |      |      |
| 1A | 325-374.116 | -6.862  | -3.696  | 3.08 | 3.08  | 4.62 | 4.62 | 55.009  | 29.972  | 0.14    |      |      |
| 1B | 325-374.116 | -6.862  | 14.117  | 3.08 | 3.08  | 4.62 | 4.62 | 55.009  | 97.700  | 0.14    |      |      |
| 1C | 325-374.116 | 6.126   | -3.696  | 3.08 | 3.08  | 4.62 | 4.62 | 49.445  | 29.972  | 0.14    |      |      |
| 1D | 325-374.116 | 6.126   | 14.117  | 3.08 | 3.08  | 4.62 | 4.62 | 49.445  | 97.700  | 0.14    |      |      |
| 1E | 325-355.827 | -6.862  | -3.696  | 3.08 | 3.08  | 4.62 | 4.62 | 57.502  | 31.438  | 0.13    |      |      |
| 1F | 325-355.827 | -6.862  | 14.117  | 3.08 | 3.08  | 4.62 | 4.62 | 57.502  | 101.699 | 0.14    |      |      |
| 1G | 325-355.827 | 6.126   | -3.696  | 3.08 | 3.08  | 4.62 | 4.62 | 51.838  | 31.438  | 0.13    |      |      |
| 1H | 325-355.827 | 6.126   | 14.117  | 3.08 | 3.08  | 4.62 | 4.62 | 51.838  | 101.699 | 0.14    |      |      |
| 1I | 325-371.981 | -14.512 | 1.121   | 3.08 | 3.08  | 4.62 | 4.62 | 107.824 | 9.347   | 0.14    |      |      |
| 1J | 325-371.981 | -14.512 | 9.300   | 3.08 | 3.08  | 4.62 | 4.62 | 107.824 | 69.454  | 0.14    |      |      |
| 1K | 325-371.981 | 13.776  | 1.121   | 3.08 | 3.08  | 4.62 | 4.62 | 103.098 | 9.347   | 0.14    |      |      |
| 1L | 325-371.981 | 13.776  | 9.300   | 3.08 | 3.08  | 4.62 | 4.62 | 103.098 | 69.454  | 0.14    |      |      |
| 1M | 325-357.962 | -14.512 | 1.121   | 3.08 | 3.08  | 4.62 | 4.62 | 111.418 | 9.742   | 0.13    |      |      |
| 1N | 325-357.962 | -14.512 | 9.300   | 3.08 | 3.08  | 4.62 | 4.62 | 111.418 | 71.789  | 0.13    |      |      |
| 1O | 325-357.962 | 13.776  | 1.121   | 3.08 | 3.08  | 4.62 | 4.62 | 106.569 | 9.742   | 0.13    |      |      |
| 1P | 325-357.962 | 13.776  | 9.300   | 3.08 | 3.08  | 4.62 | 4.62 | 106.569 | 71.789  | 0.13    |      |      |
| 1A | 350-372.644 | -7.715  | -3.664  | 3.08 | 3.08  | 4.62 | 4.62 | 61.432  | 29.836  | 0.14    |      |      |
| 1B | 350-372.644 | -7.715  | 15.759  | 3.08 | 3.08  | 4.62 | 4.62 | 61.432  | 106.756 | 0.15    |      |      |
| 1C | 350-372.644 | 6.937   | -3.664  | 3.08 | 3.08  | 4.62 | 4.62 | 55.777  | 29.836  | 0.14    |      |      |
| 1D | 350-372.644 | 6.937   | 15.759  | 3.08 | 3.08  | 4.62 | 4.62 | 55.777  | 106.756 | 0.15    |      |      |
| 1E | 350-354.356 | -7.715  | -3.664  | 3.08 | 3.08  | 4.62 | 4.62 | 64.359  | 31.302  | 0.13    |      |      |
| 1F | 350-354.356 | -7.715  | 15.759  | 3.08 | 3.08  | 4.62 | 4.62 | 64.359  | 110.890 | 0.14    |      |      |
| 1G | 350-354.356 | 6.937   | -3.664  | 3.08 | 3.08  | 4.62 | 4.62 | 58.317  | 31.302  | 0.13    |      |      |

|    |             |         |        |      |      |      |      |         |         |      |
|----|-------------|---------|--------|------|------|------|------|---------|---------|------|
| 1H | 350-354.356 | 6.937   | 15.759 | 3.08 | 3.08 | 4.62 | 4.62 | 58.317  | 110.890 | 0.14 |
| 1I | 350-370.509 | -16.337 | 1.586  | 3.08 | 3.08 | 4.62 | 4.62 | 119.600 | 13.245  | 0.14 |
| 1J | 350-370.509 | -16.337 | 10.509 | 3.08 | 3.08 | 4.62 | 4.62 | 119.600 | 77.354  | 0.14 |
| 1K | 350-370.509 | 15.559  | 1.586  | 3.08 | 3.08 | 4.62 | 4.62 | 114.794 | 13.245  | 0.14 |
| 1L | 350-370.509 | 15.559  | 10.509 | 3.08 | 3.08 | 4.62 | 4.62 | 114.794 | 77.354  | 0.14 |
| 1M | 350-356.491 | -16.337 | 1.586  | 3.08 | 3.08 | 4.62 | 4.62 | 123.510 | 13.783  | 0.13 |
| 1N | 350-356.491 | -16.337 | 10.509 | 3.08 | 3.08 | 4.62 | 4.62 | 123.510 | 79.903  | 0.13 |
| 1O | 350-356.491 | 15.559  | 1.586  | 3.08 | 3.08 | 4.62 | 4.62 | 118.583 | 13.783  | 0.13 |
| 1P | 350-356.491 | 15.559  | 10.509 | 3.08 | 3.08 | 4.62 | 4.62 | 118.583 | 79.903  | 0.13 |

ASTA NUM. 2 NI 62 NF 66 SEZ. Rp B= 0.600 H= 0.400 (pilastro)

PILL. NUM. 16

Copriferro: 3.0 cm

| NC | x           | Fx      | My      | Mz   | APOST | AANT | AINF | ASUP    | My.Res. | Mz.Res. | I.R. | Note |
|----|-------------|---------|---------|------|-------|------|------|---------|---------|---------|------|------|
|    | cm          | kN      | kN*m    |      | cmq   |      |      |         | kN*m    |         | Fx,M |      |
| 1A | 0-650.488   | 5.840   | -39.912 | 3.08 | 3.08  | 4.62 | 4.62 | 27.846  | 138.581 | 0.29    |      |      |
| 1B | 0-650.488   | 5.840   | -56.590 | 3.08 | 3.08  | 4.62 | 4.62 | 27.846  | 168.216 | 0.34    |      |      |
| 1C | 0-650.488   | -5.640  | -39.912 | 3.08 | 3.08  | 4.62 | 4.62 | 26.904  | 138.581 | 0.29    |      |      |
| 1D | 0-650.488   | -5.640  | -56.590 | 3.08 | 3.08  | 4.62 | 4.62 | 26.904  | 168.216 | 0.34    |      |      |
| 1E | 0-608.512   | 5.840   | -39.912 | 3.08 | 3.08  | 4.62 | 4.62 | 29.734  | 144.421 | 0.28    |      |      |
| 1F | 0-608.512   | 5.840   | -56.590 | 3.08 | 3.08  | 4.62 | 4.62 | 29.734  | 173.381 | 0.33    |      |      |
| 1G | 0-608.512   | -5.640  | -39.912 | 3.08 | 3.08  | 4.62 | 4.62 | 28.735  | 144.421 | 0.28    |      |      |
| 1H | 0-608.512   | -5.640  | -56.590 | 3.08 | 3.08  | 4.62 | 4.62 | 28.735  | 173.381 | 0.33    |      |      |
| 1I | 0-649.956   | 12.942  | -42.420 | 3.08 | 3.08  | 4.62 | 4.62 | 59.248  | 143.988 | 0.29    |      |      |
| 1J | 0-649.956   | 12.942  | -54.082 | 3.08 | 3.08  | 4.62 | 4.62 | 59.248  | 164.647 | 0.33    |      |      |
| 1K | 0-649.956   | -12.742 | -42.420 | 3.08 | 3.08  | 4.62 | 4.62 | 58.394  | 143.988 | 0.29    |      |      |
| 1L | 0-649.956   | -12.742 | -54.082 | 3.08 | 3.08  | 4.62 | 4.62 | 58.394  | 164.647 | 0.33    |      |      |
| 1M | 0-609.044   | 12.942  | -42.420 | 3.08 | 3.08  | 4.62 | 4.62 | 62.935  | 149.644 | 0.28    |      |      |
| 1N | 0-609.044   | 12.942  | -54.082 | 3.08 | 3.08  | 4.62 | 4.62 | 62.935  | 169.829 | 0.32    |      |      |
| 1O | 0-609.044   | -12.742 | -42.420 | 3.08 | 3.08  | 4.62 | 4.62 | 62.035  | 149.644 | 0.28    |      |      |
| 1P | 0-609.044   | -12.742 | -54.082 | 3.08 | 3.08  | 4.62 | 4.62 | 62.035  | 169.829 | 0.32    |      |      |
| 1A | 13-649.752  | 5.293   | -39.820 | 3.08 | 3.08  | 4.62 | 4.62 | 25.283  | 138.476 | 0.29    |      |      |
| 1B | 13-649.752  | 5.293   | -55.188 | 3.08 | 3.08  | 4.62 | 4.62 | 25.283  | 166.306 | 0.33    |      |      |
| 1C | 13-649.752  | -5.123  | -39.820 | 3.08 | 3.08  | 4.62 | 4.62 | 24.592  | 138.476 | 0.29    |      |      |
| 1D | 13-649.752  | -5.123  | -55.188 | 3.08 | 3.08  | 4.62 | 4.62 | 24.592  | 166.306 | 0.33    |      |      |
| 1E | 13-607.776  | 5.293   | -39.820 | 3.08 | 3.08  | 4.62 | 4.62 | 27.020  | 144.324 | 0.28    |      |      |
| 1F | 13-607.776  | 5.293   | -55.188 | 3.08 | 3.08  | 4.62 | 4.62 | 27.020  | 171.559 | 0.32    |      |      |
| 1G | 13-607.776  | -5.123  | -39.820 | 3.08 | 3.08  | 4.62 | 4.62 | 26.161  | 144.324 | 0.28    |      |      |
| 1H | 13-607.776  | -5.123  | -55.188 | 3.08 | 3.08  | 4.62 | 4.62 | 26.161  | 171.559 | 0.32    |      |      |
| 1I | 13-649.220  | 11.731  | -42.113 | 3.08 | 3.08  | 4.62 | 4.62 | 54.245  | 143.453 | 0.29    |      |      |
| 1J | 13-649.220  | 11.731  | -52.894 | 3.08 | 3.08  | 4.62 | 4.62 | 54.245  | 162.925 | 0.32    |      |      |
| 1K | 13-649.220  | -11.561 | -42.113 | 3.08 | 3.08  | 4.62 | 4.62 | 53.510  | 143.453 | 0.29    |      |      |
| 1L | 13-649.220  | -11.561 | -52.894 | 3.08 | 3.08  | 4.62 | 4.62 | 53.510  | 162.925 | 0.32    |      |      |
| 1M | 13-608.308  | 11.731  | -42.113 | 3.08 | 3.08  | 4.62 | 4.62 | 57.501  | 149.120 | 0.28    |      |      |
| 1N | 13-608.308  | 11.731  | -52.894 | 3.08 | 3.08  | 4.62 | 4.62 | 57.501  | 168.177 | 0.31    |      |      |
| 1O | 13-608.308  | -11.561 | -42.113 | 3.08 | 3.08  | 4.62 | 4.62 | 56.722  | 149.120 | 0.28    |      |      |
| 1P | 13-608.308  | -11.561 | -52.894 | 3.08 | 3.08  | 4.62 | 4.62 | 56.722  | 168.177 | 0.31    |      |      |
| 1A | 25-649.017  | 4.685   | -36.738 | 3.08 | 3.08  | 4.62 | 4.62 | 22.528  | 131.518 | 0.28    |      |      |
| 1B | 25-649.017  | 4.685   | -50.796 | 3.08 | 3.08  | 4.62 | 4.62 | 22.528  | 159.598 | 0.32    |      |      |
| 1C | 25-649.017  | -4.667  | -36.738 | 3.08 | 3.08  | 4.62 | 4.62 | 22.438  | 131.518 | 0.28    |      |      |
| 1D | 25-649.017  | -4.667  | -50.796 | 3.08 | 3.08  | 4.62 | 4.62 | 22.438  | 159.598 | 0.32    |      |      |
| 1E | 25-607.041  | 4.685   | -36.738 | 3.08 | 3.08  | 4.62 | 4.62 | 24.078  | 137.375 | 0.27    |      |      |
| 1F | 25-607.041  | 4.685   | -50.796 | 3.08 | 3.08  | 4.62 | 4.62 | 24.078  | 165.103 | 0.31    |      |      |
| 1G | 25-607.041  | -4.667  | -36.738 | 3.08 | 3.08  | 4.62 | 4.62 | 23.983  | 137.375 | 0.27    |      |      |
| 1H | 25-607.041  | -4.667  | -50.796 | 3.08 | 3.08  | 4.62 | 4.62 | 23.983  | 165.103 | 0.31    |      |      |
| 1I | 25-648.485  | 10.459  | -38.818 | 3.08 | 3.08  | 4.62 | 4.62 | 48.745  | 136.413 | 0.28    |      |      |
| 1J | 25-648.485  | 10.459  | -48.717 | 3.08 | 3.08  | 4.62 | 4.62 | 48.745  | 156.143 | 0.31    |      |      |
| 1K | 25-648.485  | -10.441 | -38.818 | 3.08 | 3.08  | 4.62 | 4.62 | 48.663  | 136.413 | 0.28    |      |      |
| 1L | 25-648.485  | -10.441 | -48.717 | 3.08 | 3.08  | 4.62 | 4.62 | 48.663  | 156.143 | 0.31    |      |      |
| 1M | 25-607.573  | 10.459  | -38.818 | 3.08 | 3.08  | 4.62 | 4.62 | 51.836  | 142.125 | 0.27    |      |      |
| 1N | 25-607.573  | 10.459  | -48.717 | 3.08 | 3.08  | 4.62 | 4.62 | 51.836  | 161.609 | 0.30    |      |      |
| 1O | 25-607.573  | -10.441 | -38.818 | 3.08 | 3.08  | 4.62 | 4.62 | 51.750  | 142.125 | 0.27    |      |      |
| 1P | 25-607.573  | -10.441 | -48.717 | 3.08 | 3.08  | 4.62 | 4.62 | 51.750  | 161.609 | 0.30    |      |      |
| 1A | 325-631.359 | -9.893  | 37.223  | 3.08 | 3.08  | 4.62 | 4.62 | 47.426  | 135.081 | 0.28    |      |      |
| 1B | 325-631.359 | -9.893  | 54.591  | 3.08 | 3.08  | 4.62 | 4.62 | 47.426  | 167.732 | 0.33    |      |      |
| 1C | 325-631.359 | 6.287   | 37.223  | 3.08 | 3.08  | 4.62 | 4.62 | 30.829  | 135.081 | 0.28    |      |      |
| 1D | 325-631.359 | 6.287   | 54.591  | 3.08 | 3.08  | 4.62 | 4.62 | 30.829  | 167.732 | 0.33    |      |      |
| 1E | 325-589.383 | -9.893  | 37.223  | 3.08 | 3.08  | 4.62 | 4.62 | 50.617  | 141.113 | 0.26    |      |      |
| 1F | 325-589.383 | -9.893  | 54.591  | 3.08 | 3.08  | 4.62 | 4.62 | 50.617  | 173.077 | 0.32    |      |      |
| 1G | 325-589.383 | 6.287   | 37.223  | 3.08 | 3.08  | 4.62 | 4.62 | 32.843  | 141.113 | 0.26    |      |      |
| 1H | 325-589.383 | 6.287   | 54.591  | 3.08 | 3.08  | 4.62 | 4.62 | 32.843  | 173.077 | 0.32    |      |      |
| 1I | 325-630.828 | -20.057 | 40.274  | 3.08 | 3.08  | 4.62 | 4.62 | 90.397  | 142.061 | 0.28    |      |      |
| 1J | 325-630.828 | -20.057 | 51.540  | 3.08 | 3.08  | 4.62 | 4.62 | 90.397  | 163.156 | 0.32    |      |      |
| 1K | 325-630.828 | 16.451  | 40.274  | 3.08 | 3.08  | 4.62 | 4.62 | 75.722  | 142.061 | 0.28    |      |      |
| 1L | 325-630.828 | 16.451  | 51.540  | 3.08 | 3.08  | 4.62 | 4.62 | 75.722  | 163.156 | 0.32    |      |      |
| 1M | 325-589.915 | -20.057 | 40.274  | 3.08 | 3.08  | 4.62 | 4.62 | 95.865  | 147.909 | 0.27    |      |      |
| 1N | 325-589.915 | -20.057 | 51.540  | 3.08 | 3.08  | 4.62 | 4.62 | 95.865  | 168.555 | 0.31    |      |      |
| 1O | 325-589.915 | 16.451  | 40.274  | 3.08 | 3.08  | 4.62 | 4.62 | 80.447  | 147.909 | 0.27    |      |      |
| 1P | 325-589.915 | 16.451  | 51.540  | 3.08 | 3.08  | 4.62 | 4.62 | 80.447  | 168.555 | 0.31    |      |      |
| 1A | 350-629.888 | -11.048 | 40.398  | 3.08 | 3.08  | 4.62 | 4.62 | 52.752  | 142.460 | 0.28    |      |      |
| 1B | 350-629.888 | -11.048 | 60.385  | 3.08 | 3.08  | 4.62 | 4.62 | 52.752  | 175.651 | 0.34    |      |      |
| 1C | 350-629.888 | 7.260   | 40.398  | 3.08 | 3.08  | 4.62 | 4.62 | 35.425  | 142.460 | 0.28    |      |      |
| 1D | 350-629.888 | 7.260   | 60.385  | 3.08 | 3.08  | 4.62 | 4.62 | 35.425  | 175.651 | 0.34    |      |      |
| 1E | 350-587.912 | -11.048 | 40.398  | 3.08 | 3.08  | 4.62 | 4.62 | 56.120  | 148.470 | 0.27    |      |      |
| 1F | 350-587.912 | -11.048 | 60.385  | 3.08 | 3.08  | 4.62 | 4.62 | 56.120  | 180.595 | 0.33    |      |      |
| 1G | 350-587.912 | 7.260   | 40.398  | 3.08 | 3.08  | 4.62 | 4.62 | 37.874  | 148.470 | 0.27    |      |      |
| 1H | 350-587.912 | 7.260   | 60.385  | 3.08 | 3.08  | 4.62 | 4.62 | 37.874  | 180.595 | 0.33    |      |      |
| 1I | 350-629.356 | -22.539 | 43.876  | 3.08 | 3.08  | 4.62 | 4.62 | 100.145 | 149.726 | 0.29    |      |      |
| 1J | 350-629.356 | -22.539 | 56.906  | 3.08 | 3.08  | 4.62 | 4.62 | 100.145 | 171.234 | 0.33    |      |      |
| 1K | 350-629.356 | 18.752  | 43.876  | 3.08 | 3.08  | 4.62 | 4.62 | 85.351  | 149.726 | 0.29    |      |      |
| 1L | 350-629.356 | 18.752  | 56.906  | 3.08 | 3.08  | 4.62 | 4.62 | 85.351  | 171.234 | 0.33    |      |      |

|    |             |         |        |      |      |      |      |         |         |      |
|----|-------------|---------|--------|------|------|------|------|---------|---------|------|
| 1M | 350-588.444 | -22.539 | 43.876 | 3.08 | 3.08 | 4.62 | 4.62 | 106.138 | 155.505 | 0.28 |
| 1N | 350-588.444 | -22.539 | 56.906 | 3.08 | 3.08 | 4.62 | 4.62 | 106.138 | 176.293 | 0.32 |
| 1O | 350-588.444 | 18.752  | 43.876 | 3.08 | 3.08 | 4.62 | 4.62 | 90.580  | 155.505 | 0.28 |
| 1P | 350-588.444 | 18.752  | 56.906 | 3.08 | 3.08 | 4.62 | 4.62 | 90.580  | 176.293 | 0.32 |

ASTA NUM. 3 NI 60 NF 67 SEZ. Rp B= 0.600 H= 0.400 (pilastro)

PIL. NUM. 11

Copriferro: 3.0 cm

| NC | x           | Fx      | My     | Mz   | APOST | AANT | AINF | ASUP   | My.Res. | Mz.Res. | I.R. | Note |
|----|-------------|---------|--------|------|-------|------|------|--------|---------|---------|------|------|
|    | cm          | kN      | kN*m   |      | cmq   |      |      |        | kN*m    |         | Fx,M |      |
| 1A | 0-820.535   | 8.960   | 7.939  | 3.08 | 3.08  | 4.62 | 4.62 | 33.605 | 29.381  | 0.31    |      |      |
| 1B | 0-820.535   | 8.960   | 3.144  | 3.08 | 3.08  | 4.62 | 4.62 | 33.605 | 11.921  | 0.31    |      |      |
| 1C | 0-820.535   | -8.312  | 7.939  | 3.08 | 3.08  | 4.62 | 4.62 | 31.347 | 29.381  | 0.31    |      |      |
| 1D | 0-820.535   | -8.312  | 3.144  | 3.08 | 3.08  | 4.62 | 4.62 | 31.347 | 11.921  | 0.31    |      |      |
| 1E | 0-768.665   | 8.960   | 7.939  | 3.08 | 3.08  | 4.62 | 4.62 | 35.815 | 31.270  | 0.29    |      |      |
| 1F | 0-768.665   | 8.960   | 3.144  | 3.08 | 3.08  | 4.62 | 4.62 | 35.815 | 12.751  | 0.29    |      |      |
| 1G | 0-768.665   | -8.312  | 7.939  | 3.08 | 3.08  | 4.62 | 4.62 | 33.283 | 31.270  | 0.29    |      |      |
| 1H | 0-768.665   | -8.312  | 3.144  | 3.08 | 3.08  | 4.62 | 4.62 | 33.283 | 12.751  | 0.29    |      |      |
| 1I | 0-817.805   | 20.160  | 7.496  | 3.08 | 3.08  | 4.62 | 4.62 | 72.101 | 27.894  | 0.31    |      |      |
| 1J | 0-817.805   | 20.160  | 3.587  | 3.08 | 3.08  | 4.62 | 4.62 | 72.101 | 13.581  | 0.31    |      |      |
| 1K | 0-817.805   | -19.511 | 7.496  | 3.08 | 3.08  | 4.62 | 4.62 | 69.990 | 27.894  | 0.31    |      |      |
| 1L | 0-817.805   | -19.511 | 3.587  | 3.08 | 3.08  | 4.62 | 4.62 | 69.990 | 13.581  | 0.31    |      |      |
| 1M | 0-771.395   | 20.160  | 7.496  | 3.08 | 3.08  | 4.62 | 4.62 | 75.869 | 29.503  | 0.29    |      |      |
| 1N | 0-771.395   | 20.160  | 3.587  | 3.08 | 3.08  | 4.62 | 4.62 | 75.869 | 14.420  | 0.29    |      |      |
| 1O | 0-771.395   | -19.511 | 7.496  | 3.08 | 3.08  | 4.62 | 4.62 | 73.800 | 29.503  | 0.29    |      |      |
| 1P | 0-771.395   | -19.511 | 3.587  | 3.08 | 3.08  | 4.62 | 4.62 | 73.800 | 14.420  | 0.29    |      |      |
| 1A | 13-819.799  | 8.254   | 7.587  | 3.08 | 3.08  | 4.62 | 4.62 | 31.162 | 28.154  | 0.31    |      |      |
| 1B | 13-819.799  | 8.254   | 3.349  | 3.08 | 3.08  | 4.62 | 4.62 | 31.162 | 12.734  | 0.31    |      |      |
| 1C | 13-819.799  | -7.629  | 7.587  | 3.08 | 3.08  | 4.62 | 4.62 | 28.848 | 28.154  | 0.31    |      |      |
| 1D | 13-819.799  | -7.629  | 3.349  | 3.08 | 3.08  | 4.62 | 4.62 | 28.848 | 12.734  | 0.31    |      |      |
| 1E | 13-767.929  | 8.254   | 7.587  | 3.08 | 3.08  | 4.62 | 4.62 | 33.087 | 29.975  | 0.29    |      |      |
| 1F | 13-767.929  | 8.254   | 3.349  | 3.08 | 3.08  | 4.62 | 4.62 | 33.087 | 13.499  | 0.29    |      |      |
| 1G | 13-767.929  | -7.629  | 7.587  | 3.08 | 3.08  | 4.62 | 4.62 | 30.757 | 29.975  | 0.29    |      |      |
| 1H | 13-767.929  | -7.629  | 3.349  | 3.08 | 3.08  | 4.62 | 4.62 | 30.757 | 13.499  | 0.29    |      |      |
| 1I | 13-817.069  | 18.546  | 7.474  | 3.08 | 3.08  | 4.62 | 4.62 | 66.873 | 27.842  | 0.31    |      |      |
| 1J | 13-817.069  | 18.546  | 3.461  | 3.08 | 3.08  | 4.62 | 4.62 | 66.873 | 13.100  | 0.31    |      |      |
| 1K | 13-817.069  | -17.920 | 7.474  | 3.08 | 3.08  | 4.62 | 4.62 | 64.799 | 27.842  | 0.31    |      |      |
| 1L | 13-817.069  | -17.920 | 3.461  | 3.08 | 3.08  | 4.62 | 4.62 | 64.799 | 13.100  | 0.31    |      |      |
| 1M | 13-770.659  | 18.546  | 7.474  | 3.08 | 3.08  | 4.62 | 4.62 | 70.542 | 29.450  | 0.29    |      |      |
| 1N | 13-770.659  | 18.546  | 3.461  | 3.08 | 3.08  | 4.62 | 4.62 | 70.542 | 13.915  | 0.29    |      |      |
| 1O | 13-770.659  | -17.920 | 7.474  | 3.08 | 3.08  | 4.62 | 4.62 | 68.370 | 29.450  | 0.29    |      |      |
| 1P | 13-770.659  | -17.920 | 3.461  | 3.08 | 3.08  | 4.62 | 4.62 | 68.370 | 13.915  | 0.29    |      |      |
| 1A | 25-819.064  | 7.501   | 6.940  | 3.08 | 3.08  | 4.62 | 4.62 | 28.396 | 25.850  | 0.31    |      |      |
| 1B | 25-819.064  | 7.501   | 3.259  | 3.08 | 3.08  | 4.62 | 4.62 | 28.396 | 12.395  | 0.31    |      |      |
| 1C | 25-819.064  | -6.993  | 6.940  | 3.08 | 3.08  | 4.62 | 4.62 | 26.496 | 25.850  | 0.31    |      |      |
| 1D | 25-819.064  | -6.993  | 3.259  | 3.08 | 3.08  | 4.62 | 4.62 | 26.496 | 12.395  | 0.31    |      |      |
| 1E | 25-767.194  | 7.501   | 6.940  | 3.08 | 3.08  | 4.62 | 4.62 | 30.279 | 27.544  | 0.29    |      |      |
| 1F | 25-767.194  | 7.501   | 3.259  | 3.08 | 3.08  | 4.62 | 4.62 | 30.279 | 13.138  | 0.29    |      |      |
| 1G | 25-767.194  | -6.993  | 6.940  | 3.08 | 3.08  | 4.62 | 4.62 | 28.266 | 27.544  | 0.29    |      |      |
| 1H | 25-767.194  | -6.993  | 3.259  | 3.08 | 3.08  | 4.62 | 4.62 | 28.266 | 13.138  | 0.29    |      |      |
| 1I | 25-816.334  | 16.884  | 7.159  | 3.08 | 3.08  | 4.62 | 4.62 | 61.379 | 26.727  | 0.31    |      |      |
| 1J | 25-816.334  | 16.884  | 3.041  | 3.08 | 3.08  | 4.62 | 4.62 | 61.379 | 11.574  | 0.31    |      |      |
| 1K | 25-816.334  | -16.377 | 7.159  | 3.08 | 3.08  | 4.62 | 4.62 | 59.662 | 26.727  | 0.31    |      |      |
| 1L | 25-816.334  | -16.377 | 3.041  | 3.08 | 3.08  | 4.62 | 4.62 | 59.662 | 11.574  | 0.31    |      |      |
| 1M | 25-769.924  | 16.884  | 7.159  | 3.08 | 3.08  | 4.62 | 4.62 | 64.792 | 28.282  | 0.29    |      |      |
| 1N | 25-769.924  | 16.884  | 3.041  | 3.08 | 3.08  | 4.62 | 4.62 | 64.792 | 12.299  | 0.29    |      |      |
| 1O | 25-769.924  | -16.377 | 7.159  | 3.08 | 3.08  | 4.62 | 4.62 | 62.993 | 28.282  | 0.29    |      |      |
| 1P | 25-769.924  | -16.377 | 3.041  | 3.08 | 3.08  | 4.62 | 4.62 | 62.993 | 12.299  | 0.29    |      |      |
| 1A | 325-801.406 | -10.580 | -8.574 | 3.08 | 3.08  | 4.62 | 4.62 | 40.386 | 32.198  | 0.30    |      |      |
| 1B | 325-801.406 | -10.580 | 1.104  | 3.08 | 3.08  | 4.62 | 4.62 | 40.386 | 4.146   | 0.30    |      |      |
| 1C | 325-801.406 | 8.264   | -8.574 | 3.08 | 3.08  | 4.62 | 4.62 | 31.895 | 32.198  | 0.30    |      |      |
| 1D | 325-801.406 | 8.264   | 1.104  | 3.08 | 3.08  | 4.62 | 4.62 | 31.895 | 4.146   | 0.30    |      |      |
| 1E | 325-749.536 | -10.580 | -8.574 | 3.08 | 3.08  | 4.62 | 4.62 | 42.921 | 34.322  | 0.28    |      |      |
| 1F | 325-749.536 | -10.580 | 1.104  | 3.08 | 3.08  | 4.62 | 4.62 | 42.921 | 4.470   | 0.28    |      |      |
| 1G | 325-749.536 | 8.264   | -8.574 | 3.08 | 3.08  | 4.62 | 4.62 | 33.921 | 34.322  | 0.28    |      |      |
| 1H | 325-749.536 | 8.264   | 1.104  | 3.08 | 3.08  | 4.62 | 4.62 | 33.921 | 4.470   | 0.28    |      |      |
| 1I | 325-798.676 | -22.982 | -0.417 | 3.08 | 3.08  | 4.62 | 4.62 | 82.741 | 1.402   | 0.30    |      |      |
| 1J | 325-798.676 | -22.982 | -7.052 | 3.08 | 3.08  | 4.62 | 4.62 | 82.741 | 26.906  | 0.30    |      |      |
| 1K | 325-798.676 | 20.666  | -0.417 | 3.08 | 3.08  | 4.62 | 4.62 | 75.186 | 1.402   | 0.30    |      |      |
| 1L | 325-798.676 | 20.666  | -7.052 | 3.08 | 3.08  | 4.62 | 4.62 | 75.186 | 26.906  | 0.30    |      |      |
| 1M | 325-752.266 | -22.982 | -0.417 | 3.08 | 3.08  | 4.62 | 4.62 | 87.268 | 1.481   | 0.28    |      |      |
| 1N | 325-752.266 | -22.982 | -7.052 | 3.08 | 3.08  | 4.62 | 4.62 | 87.268 | 28.506  | 0.28    |      |      |
| 1O | 325-752.266 | 20.666  | -0.417 | 3.08 | 3.08  | 4.62 | 4.62 | 79.369 | 1.481   | 0.28    |      |      |
| 1P | 325-752.266 | 20.666  | -7.052 | 3.08 | 3.08  | 4.62 | 4.62 | 79.369 | 28.506  | 0.28    |      |      |
| 1A | 350-799.935 | -12.040 | -9.572 | 3.08 | 3.08  | 4.62 | 4.62 | 45.642 | 35.820  | 0.30    |      |      |
| 1B | 350-799.935 | -12.040 | 1.219  | 3.08 | 3.08  | 4.62 | 4.62 | 45.642 | 4.642   | 0.30    |      |      |
| 1C | 350-799.935 | 9.582   | -9.572 | 3.08 | 3.08  | 4.62 | 4.62 | 36.773 | 35.820  | 0.30    |      |      |
| 1D | 350-799.935 | 9.582   | 1.219  | 3.08 | 3.08  | 4.62 | 4.62 | 36.773 | 4.642   | 0.30    |      |      |
| 1E | 350-748.065 | -12.040 | -9.572 | 3.08 | 3.08  | 4.62 | 4.62 | 48.646 | 38.152  | 0.28    |      |      |
| 1F | 350-748.065 | -12.040 | 1.219  | 3.08 | 3.08  | 4.62 | 4.62 | 48.646 | 4.946   | 0.28    |      |      |
| 1G | 350-748.065 | 9.582   | -9.572 | 3.08 | 3.08  | 4.62 | 4.62 | 39.231 | 38.152  | 0.28    |      |      |
| 1H | 350-748.065 | 9.582   | 1.219  | 3.08 | 3.08  | 4.62 | 4.62 | 39.231 | 4.946   | 0.28    |      |      |
| 1I | 350-797.205 | -26.258 | -0.754 | 3.08 | 3.08  | 4.62 | 4.62 | 93.243 | 2.760   | 0.30    |      |      |
| 1J | 350-797.205 | -26.258 | -7.599 | 3.08 | 3.08  | 4.62 | 4.62 | 93.243 | 28.965  | 0.30    |      |      |
| 1K | 350-797.205 | 23.800  | -0.754 | 3.08 | 3.08  | 4.62 | 4.62 | 85.499 | 2.760   | 0.30    |      |      |
| 1L | 350-797.205 | 23.800  | -7.599 | 3.08 | 3.08  | 4.62 | 4.62 | 85.499 | 28.965  | 0.30    |      |      |
| 1M | 350-750.795 | -26.258 | -0.754 | 3.08 | 3.08  | 4.62 | 4.62 | 98.092 | 2.960   | 0.28    |      |      |
| 1N | 350-750.795 | -26.258 | -7.599 | 3.08 | 3.08  | 4.62 | 4.62 | 98.092 | 30.674  | 0.28    |      |      |
| 1O | 350-750.795 | 23.800  | -0.754 | 3.08 | 3.08  | 4.62 | 4.62 | 90.159 | 2.960   | 0.28    |      |      |
| 1P | 350-750.795 | 23.800  | -7.599 | 3.08 | 3.08  | 4.62 | 4.62 | 90.159 | 30.674  | 0.28    |      |      |

ASTA NUM. 4 NI 58 NF 68 SEZ. Rp B= 0.600 H= 0.400 (pilastro)

PIL. NUM. 23

Copriferro: 3.0 cm

| NC | x           | Fx      | My      | Mz   | APOST | AANT | AINF | ASUP    | My.Res. | Mz.Res. | I.R. | Note |
|----|-------------|---------|---------|------|-------|------|------|---------|---------|---------|------|------|
|    | cm          | kN      | kN*m    |      |       |      |      |         | kN*m    |         | Fx,M |      |
| 1A | 0-818.186   | 0.822   | 12.433  | 3.08 | 3.08  | 4.62 | 4.62 | 2.965   | 44.598  | 0.31    |      |      |
| 1B | 0-818.186   | 0.822   | 3.778   | 3.08 | 3.08  | 4.62 | 4.62 | 2.965   | 14.314  | 0.31    |      |      |
| 1C | 0-818.186   | -18.400 | 12.433  | 3.08 | 3.08  | 4.62 | 4.62 | 66.309  | 44.598  | 0.31    |      |      |
| 1D | 0-818.186   | -18.400 | 3.778   | 3.08 | 3.08  | 4.62 | 4.62 | 66.309  | 14.314  | 0.31    |      |      |
| 1E | 0-723.014   | 0.822   | 12.433  | 3.08 | 3.08  | 4.62 | 4.62 | 3.382   | 49.960  | 0.27    |      |      |
| 1F | 0-723.014   | 0.822   | 3.778   | 3.08 | 3.08  | 4.62 | 4.62 | 3.382   | 16.222  | 0.27    |      |      |
| 1G | 0-723.014   | -18.400 | 12.433  | 3.08 | 3.08  | 4.62 | 4.62 | 74.061  | 49.960  | 0.27    |      |      |
| 1H | 0-723.014   | -18.400 | 3.778   | 3.08 | 3.08  | 4.62 | 4.62 | 74.061  | 16.222  | 0.27    |      |      |
| 1I | 0-792.749   | 11.539  | 10.054  | 3.08 | 3.08  | 4.62 | 4.62 | 44.203  | 37.834  | 0.30    |      |      |
| 1J | 0-792.749   | 11.539  | 6.157   | 3.08 | 3.08  | 4.62 | 4.62 | 44.203  | 23.736  | 0.30    |      |      |
| 1K | 0-792.749   | -29.117 | 10.054  | 3.08 | 3.08  | 4.62 | 4.62 | 102.364 | 37.834  | 0.30    |      |      |
| 1L | 0-792.749   | -29.117 | 6.157   | 3.08 | 3.08  | 4.62 | 4.62 | 102.364 | 23.736  | 0.30    |      |      |
| 1M | 0-748.451   | 11.539  | 10.054  | 3.08 | 3.08  | 4.62 | 4.62 | 46.698  | 39.923  | 0.28    |      |      |
| 1N | 0-748.451   | 11.539  | 6.157   | 3.08 | 3.08  | 4.62 | 4.62 | 46.698  | 25.113  | 0.28    |      |      |
| 1O | 0-748.451   | -29.117 | 10.054  | 3.08 | 3.08  | 4.62 | 4.62 | 107.563 | 39.923  | 0.28    |      |      |
| 1P | 0-748.451   | -29.117 | 6.157   | 3.08 | 3.08  | 4.62 | 4.62 | 107.563 | 25.113  | 0.28    |      |      |
| 1A | 13-817.450  | 0.167   | 11.709  | 3.08 | 3.08  | 4.62 | 4.62 | 0.342   | 42.373  | 0.31    |      |      |
| 1B | 13-817.450  | 0.167   | 4.285   | 3.08 | 3.08  | 4.62 | 4.62 | 0.342   | 16.273  | 0.31    |      |      |
| 1C | 13-817.450  | -17.480 | 11.709  | 3.08 | 3.08  | 4.62 | 4.62 | 63.301  | 42.373  | 0.31    |      |      |
| 1D | 13-817.450  | -17.480 | 4.285   | 3.08 | 3.08  | 4.62 | 4.62 | 63.301  | 16.273  | 0.31    |      |      |
| 1E | 13-722.279  | 0.167   | 11.709  | 3.08 | 3.08  | 4.62 | 4.62 | 0.435   | 47.341  | 0.27    |      |      |
| 1F | 13-722.279  | 0.167   | 4.285   | 3.08 | 3.08  | 4.62 | 4.62 | 0.435   | 18.296  | 0.27    |      |      |
| 1G | 13-722.279  | -17.480 | 11.709  | 3.08 | 3.08  | 4.62 | 4.62 | 70.905  | 47.341  | 0.27    |      |      |
| 1H | 13-722.279  | -17.480 | 4.285   | 3.08 | 3.08  | 4.62 | 4.62 | 70.905  | 18.296  | 0.27    |      |      |
| 1I | 13-792.013  | 10.011  | 9.666   | 3.08 | 3.08  | 4.62 | 4.62 | 38.731  | 36.494  | 0.30    |      |      |
| 1J | 13-792.013  | 10.011  | 6.327   | 3.08 | 3.08  | 4.62 | 4.62 | 38.731  | 24.404  | 0.30    |      |      |
| 1K | 13-792.013  | -27.324 | 9.666   | 3.08 | 3.08  | 4.62 | 4.62 | 97.090  | 36.494  | 0.30    |      |      |
| 1L | 13-792.013  | -27.324 | 6.327   | 3.08 | 3.08  | 4.62 | 4.62 | 97.090  | 24.404  | 0.30    |      |      |
| 1M | 13-747.715  | 10.011  | 9.666   | 3.08 | 3.08  | 4.62 | 4.62 | 40.932  | 38.521  | 0.28    |      |      |
| 1N | 13-747.715  | 10.011  | 6.327   | 3.08 | 3.08  | 4.62 | 4.62 | 40.932  | 25.816  | 0.28    |      |      |
| 1O | 13-747.715  | -27.324 | 9.666   | 3.08 | 3.08  | 4.62 | 4.62 | 101.914 | 38.521  | 0.28    |      |      |
| 1P | 13-747.715  | -27.324 | 6.327   | 3.08 | 3.08  | 4.62 | 4.62 | 101.914 | 25.816  | 0.28    |      |      |
| 1A | 25-816.714  | 0.043   | 10.552  | 3.08 | 3.08  | 4.62 | 4.62 | 0.000   | 38.498  | 0.31    |      |      |
| 1B | 25-816.714  | 0.043   | 4.357   | 3.08 | 3.08  | 4.62 | 4.62 | 0.000   | 16.565  | 0.31    |      |      |
| 1C | 25-816.714  | -16.029 | 10.552  | 3.08 | 3.08  | 4.62 | 4.62 | 58.453  | 38.498  | 0.31    |      |      |
| 1D | 25-816.714  | -16.029 | 4.357   | 3.08 | 3.08  | 4.62 | 4.62 | 58.453  | 16.565  | 0.31    |      |      |
| 1E | 25-721.543  | 0.043   | 10.552  | 3.08 | 3.08  | 4.62 | 4.62 | 0.000   | 43.191  | 0.27    |      |      |
| 1F | 25-721.543  | 0.043   | 4.357   | 3.08 | 3.08  | 4.62 | 4.62 | 0.000   | 18.627  | 0.27    |      |      |
| 1G | 25-721.543  | -16.029 | 10.552  | 3.08 | 3.08  | 4.62 | 4.62 | 65.565  | 43.191  | 0.27    |      |      |
| 1H | 25-721.543  | -16.029 | 4.357   | 3.08 | 3.08  | 4.62 | 4.62 | 65.565  | 18.627  | 0.27    |      |      |
| 1I | 25-791.278  | 9.013   | 8.845   | 3.08 | 3.08  | 4.62 | 4.62 | 35.019  | 33.578  | 0.30    |      |      |
| 1J | 25-791.278  | 9.013   | 6.064   | 3.08 | 3.08  | 4.62 | 4.62 | 35.019  | 23.426  | 0.30    |      |      |
| 1K | 25-791.278  | -25.000 | 8.845   | 3.08 | 3.08  | 4.62 | 4.62 | 89.895  | 33.578  | 0.30    |      |      |
| 1L | 25-791.278  | -25.000 | 6.064   | 3.08 | 3.08  | 4.62 | 4.62 | 89.895  | 23.426  | 0.30    |      |      |
| 1M | 25-746.980  | 9.013   | 8.845   | 3.08 | 3.08  | 4.62 | 4.62 | 37.034  | 35.467  | 0.28    |      |      |
| 1N | 25-746.980  | 9.013   | 6.064   | 3.08 | 3.08  | 4.62 | 4.62 | 37.034  | 24.790  | 0.28    |      |      |
| 1O | 25-746.980  | -25.000 | 8.845   | 3.08 | 3.08  | 4.62 | 4.62 | 94.555  | 35.467  | 0.28    |      |      |
| 1P | 25-746.980  | -25.000 | 6.064   | 3.08 | 3.08  | 4.62 | 4.62 | 94.555  | 24.790  | 0.28    |      |      |
| 1A | 325-799.057 | -2.938  | -17.224 | 3.08 | 3.08  | 4.62 | 4.62 | 11.484  | 60.999  | 0.30    |      |      |
| 1B | 325-799.057 | -2.938  | 6.107   | 3.08 | 3.08  | 4.62 | 4.62 | 11.484  | 23.365  | 0.30    |      |      |
| 1C | 325-799.057 | 18.798  | -17.224 | 3.08 | 3.08  | 4.62 | 4.62 | 69.099  | 60.999  | 0.30    |      |      |
| 1D | 325-799.057 | 18.798  | 6.107   | 3.08 | 3.08  | 4.62 | 4.62 | 69.099  | 23.365  | 0.30    |      |      |
| 1E | 325-703.886 | -2.938  | -17.224 | 3.08 | 3.08  | 4.62 | 4.62 | 13.028  | 68.176  | 0.26    |      |      |
| 1F | 325-703.886 | -2.938  | 6.107   | 3.08 | 3.08  | 4.62 | 4.62 | 13.028  | 26.453  | 0.26    |      |      |
| 1G | 325-703.886 | 18.798  | -17.224 | 3.08 | 3.08  | 4.62 | 4.62 | 77.370  | 68.176  | 0.26    |      |      |
| 1H | 325-703.886 | 18.798  | 6.107   | 3.08 | 3.08  | 4.62 | 4.62 | 77.370  | 26.453  | 0.26    |      |      |
| 1I | 325-773.620 | -14.922 | -10.860 | 3.08 | 3.08  | 4.62 | 4.62 | 57.512  | 41.590  | 0.29    |      |      |
| 1J | 325-773.620 | -14.922 | -0.257  | 3.08 | 3.08  | 4.62 | 4.62 | 57.512  | 0.757   | 0.29    |      |      |
| 1K | 325-773.620 | 30.782  | -10.860 | 3.08 | 3.08  | 4.62 | 4.62 | 109.656 | 41.590  | 0.29    |      |      |
| 1L | 325-773.620 | 30.782  | -0.257  | 3.08 | 3.08  | 4.62 | 4.62 | 109.656 | 0.757   | 0.29    |      |      |
| 1M | 325-729.323 | -14.922 | -10.860 | 3.08 | 3.08  | 4.62 | 4.62 | 60.764  | 43.767  | 0.27    |      |      |
| 1N | 325-729.323 | -14.922 | -0.257  | 3.08 | 3.08  | 4.62 | 4.62 | 60.764  | 0.823   | 0.27    |      |      |
| 1O | 325-729.323 | 30.782  | -10.860 | 3.08 | 3.08  | 4.62 | 4.62 | 115.284 | 43.767  | 0.27    |      |      |
| 1P | 325-729.323 | 30.782  | -0.257  | 3.08 | 3.08  | 4.62 | 4.62 | 115.284 | 0.823   | 0.27    |      |      |
| 1A | 350-797.586 | -3.717  | -19.105 | 3.08 | 3.08  | 4.62 | 4.62 | 14.617  | 66.924  | 0.30    |      |      |
| 1B | 350-797.586 | -3.717  | 6.687   | 3.08 | 3.08  | 4.62 | 4.62 | 14.617  | 25.584  | 0.30    |      |      |
| 1C | 350-797.586 | 21.169  | -19.105 | 3.08 | 3.08  | 4.62 | 4.62 | 76.940  | 66.924  | 0.30    |      |      |
| 1D | 350-797.586 | 21.169  | 6.687   | 3.08 | 3.08  | 4.62 | 4.62 | 76.940  | 25.584  | 0.30    |      |      |
| 1E | 350-702.414 | -3.717  | -19.105 | 3.08 | 3.08  | 4.62 | 4.62 | 16.547  | 74.656  | 0.26    |      |      |
| 1F | 350-702.414 | -3.717  | 6.687   | 3.08 | 3.08  | 4.62 | 4.62 | 16.547  | 28.930  | 0.26    |      |      |
| 1G | 350-702.414 | 21.169  | -19.105 | 3.08 | 3.08  | 4.62 | 4.62 | 86.220  | 74.656  | 0.26    |      |      |
| 1H | 350-702.414 | 21.169  | 6.687   | 3.08 | 3.08  | 4.62 | 4.62 | 86.220  | 28.930  | 0.26    |      |      |
| 1I | 350-772.149 | -17.447 | -12.068 | 3.08 | 3.08  | 4.62 | 4.62 | 66.598  | 45.775  | 0.29    |      |      |
| 1J | 350-772.149 | -17.447 | -0.350  | 3.08 | 3.08  | 4.62 | 4.62 | 66.598  | 1.163   | 0.29    |      |      |
| 1K | 350-772.149 | 34.900  | -12.068 | 3.08 | 3.08  | 4.62 | 4.62 | 122.100 | 45.775  | 0.29    |      |      |
| 1L | 350-772.149 | 34.900  | -0.350  | 3.08 | 3.08  | 4.62 | 4.62 | 122.100 | 1.163   | 0.29    |      |      |
| 1M | 350-727.851 | -17.447 | -12.068 | 3.08 | 3.08  | 4.62 | 4.62 | 70.292  | 48.328  | 0.27    |      |      |
| 1N | 350-727.851 | -17.447 | -0.350  | 3.08 | 3.08  | 4.62 | 4.62 | 70.292  | 1.259   | 0.27    |      |      |
| 1O | 350-727.851 | 34.900  | -12.068 | 3.08 | 3.08  | 4.62 | 4.62 | 128.066 | 48.328  | 0.27    |      |      |
| 1P | 350-727.851 | 34.900  | -0.350  | 3.08 | 3.08  | 4.62 | 4.62 | 128.066 | 1.259   | 0.27    |      |      |

ASTA NUM. 5 NI 56 NF 69 SEZ. Rp B= 0.600 H= 0.400 (pilastro)

PIL. NUM. 22

Copriferro: 3.0 cm

| NC | x | Fx | My | Mz | APOST | AANT | AINF | ASUP | My.Res. | Mz.Res. | I.R. | Note |
|----|---|----|----|----|-------|------|------|------|---------|---------|------|------|
|----|---|----|----|----|-------|------|------|------|---------|---------|------|------|

|    | cm          | kN      | kN*m    |      | cmq  |      | kN*m | Fx, M               |
|----|-------------|---------|---------|------|------|------|------|---------------------|
| 1A | 0-636.707   | 55.968  | -3.133  | 3.08 | 3.08 | 4.62 | 4.62 | 200.714 15.271 0.28 |
| 1B | 0-636.707   | 55.968  | -11.351 | 3.08 | 3.08 | 4.62 | 4.62 | 200.714 51.622 0.28 |
| 1C | 0-636.707   | 40.446  | -3.133  | 3.08 | 3.08 | 4.62 | 4.62 | 160.112 15.271 0.25 |
| 1D | 0-636.707   | 40.446  | -11.351 | 3.08 | 3.08 | 4.62 | 4.62 | 160.112 51.622 0.25 |
| 1E | 0-565.293   | 55.968  | -3.133  | 3.08 | 3.08 | 4.62 | 4.62 | 215.430 17.082 0.26 |
| 1F | 0-565.293   | 55.968  | -11.351 | 3.08 | 3.08 | 4.62 | 4.62 | 215.430 57.430 0.26 |
| 1G | 0-565.293   | 40.446  | -3.133  | 3.08 | 3.08 | 4.62 | 4.62 | 174.721 17.082 0.23 |
| 1H | 0-565.293   | 40.446  | -11.351 | 3.08 | 3.08 | 4.62 | 4.62 | 174.721 57.430 0.23 |
| 1I | 0-618.286   | 65.141  | -5.469  | 3.08 | 3.08 | 4.62 | 4.62 | 222.940 26.952 0.29 |
| 1J | 0-618.286   | 65.141  | -9.014  | 3.08 | 3.08 | 4.62 | 4.62 | 222.940 43.071 0.29 |
| 1K | 0-618.286   | 31.273  | -5.469  | 3.08 | 3.08 | 4.62 | 4.62 | 133.836 26.952 0.23 |
| 1L | 0-618.286   | 31.273  | -9.014  | 3.08 | 3.08 | 4.62 | 4.62 | 133.836 43.071 0.23 |
| 1M | 0-583.714   | 65.141  | -5.469  | 3.08 | 3.08 | 4.62 | 4.62 | 229.706 28.490 0.28 |
| 1N | 0-583.714   | 65.141  | -9.014  | 3.08 | 3.08 | 4.62 | 4.62 | 229.706 45.271 0.28 |
| 1O | 0-583.714   | 31.273  | -5.469  | 3.08 | 3.08 | 4.62 | 4.62 | 140.258 28.490 0.22 |
| 1P | 0-583.714   | 31.273  | -9.014  | 3.08 | 3.08 | 4.62 | 4.62 | 140.258 45.271 0.22 |
| 1A | 13-635.972  | 54.578  | -3.669  | 3.08 | 3.08 | 4.62 | 4.62 | 197.712 17.791 0.28 |
| 1B | 13-635.972  | 54.578  | -10.646 | 3.08 | 3.08 | 4.62 | 4.62 | 197.712 48.753 0.28 |
| 1C | 13-635.972  | 40.384  | -3.669  | 3.08 | 3.08 | 4.62 | 4.62 | 160.066 17.791 0.25 |
| 1D | 13-635.972  | 40.384  | -10.646 | 3.08 | 3.08 | 4.62 | 4.62 | 160.066 48.753 0.25 |
| 1E | 13-564.557  | 54.578  | -3.669  | 3.08 | 3.08 | 4.62 | 4.62 | 212.503 20.039 0.26 |
| 1F | 13-564.557  | 54.578  | -10.646 | 3.08 | 3.08 | 4.62 | 4.62 | 212.503 54.301 0.26 |
| 1G | 13-564.557  | 40.384  | -3.669  | 3.08 | 3.08 | 4.62 | 4.62 | 174.692 20.039 0.23 |
| 1H | 13-564.557  | 40.384  | -10.646 | 3.08 | 3.08 | 4.62 | 4.62 | 174.692 54.301 0.23 |
| 1I | 13-617.550  | 62.979  | -5.666  | 3.08 | 3.08 | 4.62 | 4.62 | 219.030 27.920 0.29 |
| 1J | 13-617.550  | 62.979  | -8.650  | 3.08 | 3.08 | 4.62 | 4.62 | 219.030 41.505 0.29 |
| 1K | 13-617.550  | 31.982  | -5.666  | 3.08 | 3.08 | 4.62 | 4.62 | 136.445 27.920 0.23 |
| 1L | 13-617.550  | 31.982  | -8.650  | 3.08 | 3.08 | 4.62 | 4.62 | 136.445 41.505 0.23 |
| 1M | 13-582.978  | 62.979  | -5.666  | 3.08 | 3.08 | 4.62 | 4.62 | 225.911 29.508 0.28 |
| 1N | 13-582.978  | 62.979  | -8.650  | 3.08 | 3.08 | 4.62 | 4.62 | 225.911 43.622 0.28 |
| 1O | 13-582.978  | 31.982  | -5.666  | 3.08 | 3.08 | 4.62 | 4.62 | 142.964 29.508 0.22 |
| 1P | 13-582.978  | 31.982  | -8.650  | 3.08 | 3.08 | 4.62 | 4.62 | 142.964 43.622 0.22 |
| 1A | 25-635.236  | 50.284  | -3.869  | 3.08 | 3.08 | 4.62 | 4.62 | 187.457 18.788 0.27 |
| 1B | 25-635.236  | 50.284  | -9.605  | 3.08 | 3.08 | 4.62 | 4.62 | 187.457 44.396 0.27 |
| 1C | 25-635.236  | 37.419  | -3.869  | 3.08 | 3.08 | 4.62 | 4.62 | 151.124 18.788 0.25 |
| 1D | 25-635.236  | 37.419  | -9.605  | 3.08 | 3.08 | 4.62 | 4.62 | 151.124 44.396 0.25 |
| 1E | 25-563.821  | 50.284  | -3.869  | 3.08 | 3.08 | 4.62 | 4.62 | 202.520 21.144 0.25 |
| 1F | 25-563.821  | 50.284  | -9.605  | 3.08 | 3.08 | 4.62 | 4.62 | 202.520 49.539 0.25 |
| 1G | 25-563.821  | 37.419  | -3.869  | 3.08 | 3.08 | 4.62 | 4.62 | 165.424 21.144 0.23 |
| 1H | 25-563.821  | 37.419  | -9.605  | 3.08 | 3.08 | 4.62 | 4.62 | 165.424 49.539 0.23 |
| 1I | 25-616.815  | 57.915  | -5.526  | 3.08 | 3.08 | 4.62 | 4.62 | 208.909 27.286 0.28 |
| 1J | 25-616.815  | 57.915  | -7.949  | 3.08 | 3.08 | 4.62 | 4.62 | 208.909 38.406 0.28 |
| 1K | 25-616.815  | 29.788  | -5.526  | 3.08 | 3.08 | 4.62 | 4.62 | 128.829 27.286 0.23 |
| 1L | 25-616.815  | 29.788  | -7.949  | 3.08 | 3.08 | 4.62 | 4.62 | 128.829 38.406 0.23 |
| 1M | 25-582.243  | 57.915  | -5.526  | 3.08 | 3.08 | 4.62 | 4.62 | 215.997 28.845 0.27 |
| 1N | 25-582.243  | 57.915  | -7.949  | 3.08 | 3.08 | 4.62 | 4.62 | 215.997 40.529 0.27 |
| 1O | 25-582.243  | 29.788  | -5.526  | 3.08 | 3.08 | 4.62 | 4.62 | 135.093 28.845 0.22 |
| 1P | 25-582.243  | 29.788  | -7.949  | 3.08 | 3.08 | 4.62 | 4.62 | 135.093 40.529 0.22 |
| 1A | 325-617.579 | -52.760 | -8.673  | 3.08 | 3.08 | 4.62 | 4.62 | 197.145 41.607 0.27 |
| 1B | 325-617.579 | -52.760 | 15.374  | 3.08 | 3.08 | 4.62 | 4.62 | 197.145 69.196 0.27 |
| 1C | 325-617.579 | -33.743 | -8.673  | 3.08 | 3.08 | 4.62 | 4.62 | 142.497 41.607 0.24 |
| 1D | 325-617.579 | -33.743 | 15.374  | 3.08 | 3.08 | 4.62 | 4.62 | 142.497 69.196 0.24 |
| 1E | 325-546.164 | -52.760 | -8.673  | 3.08 | 3.08 | 4.62 | 4.62 | 212.411 46.452 0.25 |
| 1F | 325-546.164 | -52.760 | 15.374  | 3.08 | 3.08 | 4.62 | 4.62 | 212.411 76.859 0.25 |
| 1G | 325-546.164 | -33.743 | -8.673  | 3.08 | 3.08 | 4.62 | 4.62 | 156.774 46.452 0.22 |
| 1H | 325-546.164 | -33.743 | 15.374  | 3.08 | 3.08 | 4.62 | 4.62 | 156.774 76.859 0.22 |
| 1I | 325-599.157 | -63.634 | -2.174  | 3.08 | 3.08 | 4.62 | 4.62 | 223.895 11.264 0.28 |
| 1J | 325-599.157 | -63.634 | 8.875   | 3.08 | 3.08 | 4.62 | 4.62 | 223.895 43.704 0.28 |
| 1K | 325-599.157 | -22.869 | -2.174  | 3.08 | 3.08 | 4.62 | 4.62 | 105.817 11.264 0.23 |
| 1L | 325-599.157 | -22.869 | 8.875   | 3.08 | 3.08 | 4.62 | 4.62 | 105.817 43.704 0.23 |
| 1M | 325-564.586 | -63.634 | -2.174  | 3.08 | 3.08 | 4.62 | 4.62 | 230.850 11.982 0.28 |
| 1N | 325-564.586 | -63.634 | 8.875   | 3.08 | 3.08 | 4.62 | 4.62 | 230.850 46.018 0.28 |
| 1O | 325-564.586 | -22.869 | -2.174  | 3.08 | 3.08 | 4.62 | 4.62 | 111.335 11.982 0.21 |
| 1P | 325-564.586 | -22.869 | 8.875   | 3.08 | 3.08 | 4.62 | 4.62 | 111.335 46.018 0.21 |
| 1A | 350-616.107 | -58.444 | -9.410  | 3.08 | 3.08 | 4.62 | 4.62 | 210.174 44.809 0.28 |
| 1B | 350-616.107 | -58.444 | 17.119  | 3.08 | 3.08 | 4.62 | 4.62 | 210.174 76.020 0.28 |
| 1C | 350-616.107 | -36.770 | -9.410  | 3.08 | 3.08 | 4.62 | 4.62 | 152.666 44.809 0.24 |
| 1D | 350-616.107 | -36.770 | 17.119  | 3.08 | 3.08 | 4.62 | 4.62 | 152.666 76.020 0.24 |
| 1E | 350-544.693 | -58.444 | -9.410  | 3.08 | 3.08 | 4.62 | 4.62 | 225.108 50.171 0.26 |
| 1F | 350-544.693 | -58.444 | 17.119  | 3.08 | 3.08 | 4.62 | 4.62 | 225.108 84.143 0.26 |
| 1G | 350-544.693 | -36.770 | -9.410  | 3.08 | 3.08 | 4.62 | 4.62 | 167.511 50.171 0.22 |
| 1H | 350-544.693 | -36.770 | 17.119  | 3.08 | 3.08 | 4.62 | 4.62 | 167.511 84.143 0.22 |
| 1I | 350-597.686 | -70.860 | -2.231  | 3.08 | 3.08 | 4.62 | 4.62 | 236.572 11.602 0.30 |
| 1J | 350-597.686 | -70.860 | 9.941   | 3.08 | 3.08 | 4.62 | 4.62 | 236.572 48.465 0.30 |
| 1K | 350-597.686 | -24.354 | -2.231  | 3.08 | 3.08 | 4.62 | 4.62 | 111.900 11.602 0.22 |
| 1L | 350-597.686 | -24.354 | 9.941   | 3.08 | 3.08 | 4.62 | 4.62 | 111.900 48.465 0.22 |
| 1M | 350-563.114 | -70.860 | -2.231  | 3.08 | 3.08 | 4.62 | 4.62 | 243.036 12.340 0.29 |
| 1N | 350-563.114 | -70.860 | 9.941   | 3.08 | 3.08 | 4.62 | 4.62 | 243.036 51.165 0.29 |
| 1O | 350-563.114 | -24.354 | -2.231  | 3.08 | 3.08 | 4.62 | 4.62 | 117.678 12.340 0.21 |
| 1P | 350-563.114 | -24.354 | 9.941   | 3.08 | 3.08 | 4.62 | 4.62 | 117.678 51.165 0.21 |

ASTA NUM. 6 NI 54 NF 70 SEZ. Rp B= 0.600 H= 0.400 (pilastro)

PIL. NUM. 21

Copriferro: 3.0 cm

| NC | x         | Fx     | My      | Mz | APOST | AANT | AINF | ASUP | My.Res. | Mz.Res. | I.R.  | Note |
|----|-----------|--------|---------|----|-------|------|------|------|---------|---------|-------|------|
|    | cm        | kN     | kN*m    |    | cmq   |      |      |      | kN*m    |         | Fx, M |      |
| 1A | 0-647.675 | 49.921 | -8.161  |    | 3.08  | 3.08 | 4.62 | 4.62 | 184.080 | 37.606  | 0.27  |      |
| 1B | 0-647.675 | 49.921 | -32.259 |    | 3.08  | 3.08 | 4.62 | 4.62 | 184.080 | 120.433 | 0.27  |      |



|    |             |         |         |      |      |      |      |         |         |      |
|----|-------------|---------|---------|------|------|------|------|---------|---------|------|
| 1C | 0-647.675   | 24.307  | -8.161  | 3.08 | 3.08 | 4.62 | 4.62 | 104.289 | 37.606  | 0.24 |
| 1D | 0-647.675   | 24.307  | -32.259 | 3.08 | 3.08 | 4.62 | 4.62 | 104.289 | 120.433 | 0.27 |
| 1E | 0-602.925   | 49.921  | -8.161  | 3.08 | 3.08 | 4.62 | 4.62 | 193.173 | 40.209  | 0.26 |
| 1F | 0-602.925   | 49.921  | -32.259 | 3.08 | 3.08 | 4.62 | 4.62 | 193.173 | 126.607 | 0.26 |
| 1G | 0-602.925   | 24.307  | -8.161  | 3.08 | 3.08 | 4.62 | 4.62 | 110.889 | 40.209  | 0.23 |
| 1H | 0-602.925   | 24.307  | -32.259 | 3.08 | 3.08 | 4.62 | 4.62 | 110.889 | 126.607 | 0.25 |
| 1I | 0-648.893   | 64.070  | -14.779 | 3.08 | 3.08 | 4.62 | 4.62 | 215.096 | 64.036  | 0.30 |
| 1J | 0-648.893   | 64.070  | -25.641 | 3.08 | 3.08 | 4.62 | 4.62 | 215.096 | 101.372 | 0.30 |
| 1K | 0-648.893   | 10.158  | -14.779 | 3.08 | 3.08 | 4.62 | 4.62 | 47.382  | 64.036  | 0.24 |
| 1L | 0-648.893   | 10.158  | -25.641 | 3.08 | 3.08 | 4.62 | 4.62 | 47.382  | 101.372 | 0.25 |
| 1M | 0-601.707   | 64.070  | -14.779 | 3.08 | 3.08 | 4.62 | 4.62 | 224.203 | 68.397  | 0.29 |
| 1N | 0-601.707   | 64.070  | -25.641 | 3.08 | 3.08 | 4.62 | 4.62 | 224.203 | 107.378 | 0.29 |
| 1O | 0-601.707   | 10.158  | -14.779 | 3.08 | 3.08 | 4.62 | 4.62 | 50.891  | 68.397  | 0.23 |
| 1P | 0-601.707   | 10.158  | -25.641 | 3.08 | 3.08 | 4.62 | 4.62 | 50.891  | 107.378 | 0.24 |
| 1A | 13-646.939  | 48.281  | -8.814  | 3.08 | 3.08 | 4.62 | 4.62 | 180.007 | 40.451  | 0.27 |
| 1B | 13-646.939  | 48.281  | -30.996 | 3.08 | 3.08 | 4.62 | 4.62 | 180.007 | 117.128 | 0.27 |
| 1C | 13-646.939  | 24.849  | -8.814  | 3.08 | 3.08 | 4.62 | 4.62 | 106.392 | 40.451  | 0.24 |
| 1D | 13-646.939  | 24.849  | -30.996 | 3.08 | 3.08 | 4.62 | 4.62 | 106.392 | 117.128 | 0.26 |
| 1E | 13-602.189  | 48.281  | -8.814  | 3.08 | 3.08 | 4.62 | 4.62 | 189.079 | 43.225  | 0.26 |
| 1F | 13-602.189  | 48.281  | -30.996 | 3.08 | 3.08 | 4.62 | 4.62 | 189.079 | 123.258 | 0.26 |
| 1G | 13-602.189  | 24.849  | -8.814  | 3.08 | 3.08 | 4.62 | 4.62 | 113.104 | 43.225  | 0.23 |
| 1H | 13-602.189  | 24.849  | -30.996 | 3.08 | 3.08 | 4.62 | 4.62 | 113.104 | 123.258 | 0.25 |
| 1I | 13-648.157  | 61.222  | -14.906 | 3.08 | 3.08 | 4.62 | 4.62 | 209.647 | 64.581  | 0.29 |
| 1J | 13-648.157  | 61.222  | -24.905 | 3.08 | 3.08 | 4.62 | 4.62 | 209.647 | 99.123  | 0.29 |
| 1K | 13-648.157  | 11.908  | -14.906 | 3.08 | 3.08 | 4.62 | 4.62 | 55.093  | 64.581  | 0.24 |
| 1L | 13-648.157  | 11.908  | -24.905 | 3.08 | 3.08 | 4.62 | 4.62 | 55.093  | 99.123  | 0.25 |
| 1M | 13-600.971  | 61.222  | -14.906 | 3.08 | 3.08 | 4.62 | 4.62 | 218.898 | 68.976  | 0.28 |
| 1N | 13-600.971  | 61.222  | -24.905 | 3.08 | 3.08 | 4.62 | 4.62 | 218.898 | 105.105 | 0.28 |
| 1O | 13-600.971  | 11.908  | -14.906 | 3.08 | 3.08 | 4.62 | 4.62 | 58.977  | 68.976  | 0.23 |
| 1P | 13-600.971  | 11.908  | -24.905 | 3.08 | 3.08 | 4.62 | 4.62 | 58.977  | 105.105 | 0.24 |
| 1A | 25-646.204  | 44.445  | -8.246  | 3.08 | 3.08 | 4.62 | 4.62 | 169.814 | 38.055  | 0.26 |
| 1B | 25-646.204  | 44.445  | -28.514 | 3.08 | 3.08 | 4.62 | 4.62 | 169.814 | 110.241 | 0.26 |
| 1C | 25-646.204  | 23.195  | -8.246  | 3.08 | 3.08 | 4.62 | 4.62 | 100.341 | 38.055  | 0.24 |
| 1D | 25-646.204  | 23.195  | -28.514 | 3.08 | 3.08 | 4.62 | 4.62 | 100.341 | 110.241 | 0.26 |
| 1E | 25-601.454  | 44.445  | -8.246  | 3.08 | 3.08 | 4.62 | 4.62 | 178.764 | 40.690  | 0.25 |
| 1F | 25-601.454  | 44.445  | -28.514 | 3.08 | 3.08 | 4.62 | 4.62 | 178.764 | 116.233 | 0.25 |
| 1G | 25-601.454  | 23.195  | -8.246  | 3.08 | 3.08 | 4.62 | 4.62 | 106.761 | 40.690  | 0.23 |
| 1H | 25-601.454  | 23.195  | -28.514 | 3.08 | 3.08 | 4.62 | 4.62 | 106.761 | 116.233 | 0.25 |
| 1I | 25-647.422  | 56.178  | -13.812 | 3.08 | 3.08 | 4.62 | 4.62 | 199.097 | 60.440  | 0.28 |
| 1J | 25-647.422  | 56.178  | -22.948 | 3.08 | 3.08 | 4.62 | 4.62 | 199.097 | 92.896  | 0.28 |
| 1K | 25-647.422  | 11.462  | -13.812 | 3.08 | 3.08 | 4.62 | 4.62 | 53.218  | 60.440  | 0.24 |
| 1L | 25-647.422  | 11.462  | -22.948 | 3.08 | 3.08 | 4.62 | 4.62 | 53.218  | 92.896  | 0.25 |
| 1M | 25-600.236  | 56.178  | -13.812 | 3.08 | 3.08 | 4.62 | 4.62 | 208.513 | 64.617  | 0.27 |
| 1N | 25-600.236  | 56.178  | -22.948 | 3.08 | 3.08 | 4.62 | 4.62 | 208.513 | 98.729  | 0.27 |
| 1O | 25-600.236  | 11.462  | -13.812 | 3.08 | 3.08 | 4.62 | 4.62 | 56.974  | 64.617  | 0.23 |
| 1P | 25-600.236  | 11.462  | -22.948 | 3.08 | 3.08 | 4.62 | 4.62 | 56.974  | 98.729  | 0.23 |
| 1A | 325-628.547 | -47.621 | 5.373   | 3.08 | 3.08 | 4.62 | 4.62 | 181.908 | 26.070  | 0.26 |
| 1B | 325-628.547 | -47.621 | 31.067  | 3.08 | 3.08 | 4.62 | 4.62 | 181.908 | 119.778 | 0.26 |
| 1C | 325-628.547 | -16.499 | 5.373   | 3.08 | 3.08 | 4.62 | 4.62 | 76.173  | 26.070  | 0.24 |
| 1D | 325-628.547 | -16.499 | 31.067  | 3.08 | 3.08 | 4.62 | 4.62 | 76.173  | 119.778 | 0.26 |
| 1E | 325-583.796 | -47.621 | 5.373   | 3.08 | 3.08 | 4.62 | 4.62 | 191.273 | 28.003  | 0.25 |
| 1F | 325-583.796 | -47.621 | 31.067  | 3.08 | 3.08 | 4.62 | 4.62 | 191.273 | 126.139 | 0.25 |
| 1G | 325-583.796 | -16.499 | 5.373   | 3.08 | 3.08 | 4.62 | 4.62 | 81.417  | 28.003  | 0.22 |
| 1H | 325-583.796 | -16.499 | 31.067  | 3.08 | 3.08 | 4.62 | 4.62 | 81.417  | 126.139 | 0.25 |
| 1I | 325-629.765 | -64.880 | 12.432  | 3.08 | 3.08 | 4.62 | 4.62 | 220.255 | 56.567  | 0.29 |
| 1J | 325-629.765 | -64.880 | 24.008  | 3.08 | 3.08 | 4.62 | 4.62 | 220.255 | 98.503  | 0.29 |
| 1K | 325-629.765 | 0.760   | 12.432  | 3.08 | 3.08 | 4.62 | 4.62 | 3.627   | 56.567  | 0.24 |
| 1L | 325-629.765 | 0.760   | 24.008  | 3.08 | 3.08 | 4.62 | 4.62 | 3.627   | 98.503  | 0.24 |
| 1M | 325-582.578 | -64.880 | 12.432  | 3.08 | 3.08 | 4.62 | 4.62 | 229.467 | 60.455  | 0.28 |
| 1N | 325-582.578 | -64.880 | 24.008  | 3.08 | 3.08 | 4.62 | 4.62 | 229.467 | 104.650 | 0.28 |
| 1O | 325-582.578 | 0.760   | 12.432  | 3.08 | 3.08 | 4.62 | 4.62 | 3.923   | 60.455  | 0.22 |
| 1P | 325-582.578 | 0.760   | 24.008  | 3.08 | 3.08 | 4.62 | 4.62 | 3.923   | 104.650 | 0.23 |
| 1A | 350-627.075 | -53.097 | 5.287   | 3.08 | 3.08 | 4.62 | 4.62 | 196.027 | 25.727  | 0.27 |
| 1B | 350-627.075 | -53.097 | 34.813  | 3.08 | 3.08 | 4.62 | 4.62 | 196.027 | 129.820 | 0.27 |
| 1C | 350-627.075 | -17.611 | 5.287   | 3.08 | 3.08 | 4.62 | 4.62 | 80.958  | 25.727  | 0.24 |
| 1D | 350-627.075 | -17.611 | 34.813  | 3.08 | 3.08 | 4.62 | 4.62 | 80.958  | 129.820 | 0.27 |
| 1E | 350-582.325 | -53.097 | 5.287   | 3.08 | 3.08 | 4.62 | 4.62 | 205.276 | 27.643  | 0.26 |
| 1F | 350-582.325 | -53.097 | 34.813  | 3.08 | 3.08 | 4.62 | 4.62 | 205.276 | 136.300 | 0.26 |
| 1G | 350-582.325 | -17.611 | 5.287   | 3.08 | 3.08 | 4.62 | 4.62 | 86.486  | 27.643  | 0.22 |
| 1H | 350-582.325 | -17.611 | 34.813  | 3.08 | 3.08 | 4.62 | 4.62 | 86.486  | 136.300 | 0.26 |
| 1I | 350-628.293 | -72.773 | 13.399  | 3.08 | 3.08 | 4.62 | 4.62 | 233.960 | 60.421  | 0.31 |
| 1J | 350-628.293 | -72.773 | 26.701  | 3.08 | 3.08 | 4.62 | 4.62 | 233.960 | 107.156 | 0.31 |
| 1K | 350-628.293 | 2.065   | 13.399  | 3.08 | 3.08 | 4.62 | 4.62 | 10.260  | 60.421  | 0.24 |
| 1L | 350-628.293 | 2.065   | 26.701  | 3.08 | 3.08 | 4.62 | 4.62 | 10.260  | 107.156 | 0.25 |
| 1M | 350-581.107 | -72.773 | 13.399  | 3.08 | 3.08 | 4.62 | 4.62 | 242.525 | 64.732  | 0.30 |
| 1N | 350-581.107 | -72.773 | 26.701  | 3.08 | 3.08 | 4.62 | 4.62 | 242.525 | 113.607 | 0.30 |
| 1O | 350-581.107 | 2.065   | 13.399  | 3.08 | 3.08 | 4.62 | 4.62 | 11.067  | 64.732  | 0.22 |
| 1P | 350-581.107 | 2.065   | 26.701  | 3.08 | 3.08 | 4.62 | 4.62 | 11.067  | 113.607 | 0.23 |

ASTA NUM. 7 NI 52 NF 71 SEZ. Rp B= 0.600 H= 0.400 (pilastro)

PIL. NUM. 27

Copriferro: 3.0 cm

| NC | x         | Fx     | My    | Mz   | APOST | AANT | AINF | ASUP   | My.Res. | Mz.Res. | I.R.  | Note |
|----|-----------|--------|-------|------|-------|------|------|--------|---------|---------|-------|------|
|    | cm        | kN     | kN*m  |      | cmq   |      |      |        | kN*m    |         | Fx, M |      |
| 1A | 0-785.051 | 14.654 | 7.949 | 3.08 | 3.08  | 4.62 | 4.62 | 55.917 | 30.687  | 0.29    |       |      |
| 1B | 0-785.051 | 14.654 | 3.792 | 3.08 | 3.08  | 4.62 | 4.62 | 55.917 | 14.988  | 0.29    |       |      |
| 1C | 0-785.051 | -6.210 | 7.949 | 3.08 | 3.08  | 4.62 | 4.62 | 24.670 | 30.687  | 0.29    |       |      |
| 1D | 0-785.051 | -6.210 | 3.792 | 3.08 | 3.08  | 4.62 | 4.62 | 24.670 | 14.988  | 0.29    |       |      |
| 1E | 0-730.149 | 14.654 | 7.949 | 3.08 | 3.08  | 4.62 | 4.62 | 59.686 | 32.741  | 0.27    |       |      |
| 1F | 0-730.149 | 14.654 | 3.792 | 3.08 | 3.08  | 4.62 | 4.62 | 59.686 | 16.124  | 0.27    |       |      |
| 1G | 0-730.149 | -6.210 | 7.949 | 3.08 | 3.08  | 4.62 | 4.62 | 26.394 | 32.741  | 0.27    |       |      |

|    |             |         |        |      |      |      |      |         |        |      |
|----|-------------|---------|--------|------|------|------|------|---------|--------|------|
| 1H | 0-730.149   | -6.210  | 3.792  | 3.08 | 3.08 | 4.62 | 4.62 | 26.394  | 16.124 | 0.27 |
| 1I | 0-778.457   | 24.924  | 8.037  | 3.08 | 3.08 | 4.62 | 4.62 | 90.954  | 31.259 | 0.29 |
| 1J | 0-778.457   | 24.924  | 3.705  | 3.08 | 3.08 | 4.62 | 4.62 | 90.954  | 14.763 | 0.29 |
| 1K | 0-778.457   | -16.480 | 8.037  | 3.08 | 3.08 | 4.62 | 4.62 | 62.715  | 31.259 | 0.29 |
| 1L | 0-778.457   | -16.480 | 3.705  | 3.08 | 3.08 | 4.62 | 4.62 | 62.715  | 14.763 | 0.29 |
| 1M | 0-736.743   | 24.924  | 8.037  | 3.08 | 3.08 | 4.62 | 4.62 | 95.448  | 32.803 | 0.28 |
| 1N | 0-736.743   | 24.924  | 3.705  | 3.08 | 3.08 | 4.62 | 4.62 | 95.448  | 15.609 | 0.28 |
| 1O | 0-736.743   | -16.480 | 8.037  | 3.08 | 3.08 | 4.62 | 4.62 | 65.981  | 32.803 | 0.28 |
| 1P | 0-736.743   | -16.480 | 3.705  | 3.08 | 3.08 | 4.62 | 4.62 | 65.981  | 15.609 | 0.28 |
| 1A | 13-784.315  | 13.751  | 7.617  | 3.08 | 3.08 | 4.62 | 4.62 | 52.733  | 29.487 | 0.29 |
| 1B | 13-784.315  | 13.751  | 3.978  | 3.08 | 3.08 | 4.62 | 4.62 | 52.733  | 15.747 | 0.29 |
| 1C | 13-784.315  | -5.424  | 7.617  | 3.08 | 3.08 | 4.62 | 4.62 | 21.579  | 29.487 | 0.29 |
| 1D | 13-784.315  | -5.424  | 3.978  | 3.08 | 3.08 | 4.62 | 4.62 | 21.579  | 15.747 | 0.29 |
| 1E | 13-729.413  | 13.751  | 7.617  | 3.08 | 3.08 | 4.62 | 4.62 | 56.291  | 31.599 | 0.27 |
| 1F | 13-729.413  | 13.751  | 3.978  | 3.08 | 3.08 | 4.62 | 4.62 | 56.291  | 16.934 | 0.27 |
| 1G | 13-729.413  | -5.424  | 7.617  | 3.08 | 3.08 | 4.62 | 4.62 | 23.202  | 31.599 | 0.27 |
| 1H | 13-729.413  | -5.424  | 3.978  | 3.08 | 3.08 | 4.62 | 4.62 | 23.202  | 16.934 | 0.27 |
| 1I | 13-777.721  | 23.217  | 7.804  | 3.08 | 3.08 | 4.62 | 4.62 | 85.496  | 30.424 | 0.29 |
| 1J | 13-777.721  | 23.217  | 3.791  | 3.08 | 3.08 | 4.62 | 4.62 | 85.496  | 15.128 | 0.29 |
| 1K | 13-777.721  | -14.890 | 7.804  | 3.08 | 3.08 | 4.62 | 4.62 | 57.114  | 30.424 | 0.29 |
| 1L | 13-777.721  | -14.890 | 3.791  | 3.08 | 3.08 | 4.62 | 4.62 | 57.114  | 15.128 | 0.29 |
| 1M | 13-736.007  | 23.217  | 7.804  | 3.08 | 3.08 | 4.62 | 4.62 | 89.772  | 31.923 | 0.28 |
| 1N | 13-736.007  | 23.217  | 3.791  | 3.08 | 3.08 | 4.62 | 4.62 | 89.772  | 15.992 | 0.28 |
| 1O | 13-736.007  | -14.890 | 7.804  | 3.08 | 3.08 | 4.62 | 4.62 | 60.131  | 31.923 | 0.28 |
| 1P | 13-736.007  | -14.890 | 3.791  | 3.08 | 3.08 | 4.62 | 4.62 | 60.131  | 15.992 | 0.28 |
| 1A | 25-783.580  | 12.613  | 6.992  | 3.08 | 3.08 | 4.62 | 4.62 | 48.651  | 27.180 | 0.29 |
| 1B | 25-783.580  | 12.613  | 3.872  | 3.08 | 3.08 | 4.62 | 4.62 | 48.651  | 15.340 | 0.29 |
| 1C | 25-783.580  | -4.873  | 6.992  | 3.08 | 3.08 | 4.62 | 4.62 | 19.381  | 27.180 | 0.29 |
| 1D | 25-783.580  | -4.873  | 3.872  | 3.08 | 3.08 | 4.62 | 4.62 | 19.381  | 15.340 | 0.29 |
| 1E | 25-728.678  | 12.613  | 6.992  | 3.08 | 3.08 | 4.62 | 4.62 | 52.103  | 29.149 | 0.27 |
| 1F | 25-728.678  | 12.613  | 3.872  | 3.08 | 3.08 | 4.62 | 4.62 | 52.103  | 16.500 | 0.27 |
| 1G | 25-728.678  | -4.873  | 6.992  | 3.08 | 3.08 | 4.62 | 4.62 | 20.863  | 29.149 | 0.27 |
| 1H | 25-728.678  | -4.873  | 3.872  | 3.08 | 3.08 | 4.62 | 4.62 | 20.863  | 16.500 | 0.27 |
| 1I | 25-776.986  | 21.276  | 7.279  | 3.08 | 3.08 | 4.62 | 4.62 | 79.138  | 28.487 | 0.29 |
| 1J | 25-776.986  | 21.276  | 3.585  | 3.08 | 3.08 | 4.62 | 4.62 | 79.138  | 14.305 | 0.29 |
| 1K | 25-776.986  | -13.536 | 7.279  | 3.08 | 3.08 | 4.62 | 4.62 | 52.418  | 28.487 | 0.29 |
| 1L | 25-776.986  | -13.536 | 3.585  | 3.08 | 3.08 | 4.62 | 4.62 | 52.418  | 14.305 | 0.29 |
| 1M | 25-735.272  | 21.276  | 7.279  | 3.08 | 3.08 | 4.62 | 4.62 | 83.153  | 30.034 | 0.28 |
| 1N | 25-735.272  | 21.276  | 3.585  | 3.08 | 3.08 | 4.62 | 4.62 | 83.153  | 15.132 | 0.28 |
| 1O | 25-735.272  | -13.536 | 7.279  | 3.08 | 3.08 | 4.62 | 4.62 | 55.197  | 30.034 | 0.28 |
| 1P | 25-735.272  | -13.536 | 3.585  | 3.08 | 3.08 | 4.62 | 4.62 | 55.197  | 15.132 | 0.28 |
| 1A | 325-765.922 | -14.700 | -8.006 | 3.08 | 3.08 | 4.62 | 4.62 | 57.244  | 31.631 | 0.29 |
| 1B | 325-765.922 | -14.700 | 1.328  | 3.08 | 3.08 | 4.62 | 4.62 | 57.244  | 5.298  | 0.29 |
| 1C | 325-765.922 | 8.354   | -8.006 | 3.08 | 3.08 | 4.62 | 4.62 | 33.565  | 31.631 | 0.29 |
| 1D | 325-765.922 | 8.354   | 1.328  | 3.08 | 3.08 | 4.62 | 4.62 | 33.565  | 5.298  | 0.29 |
| 1E | 325-711.021 | -14.700 | -8.006 | 3.08 | 3.08 | 4.62 | 4.62 | 61.355  | 33.812 | 0.27 |
| 1F | 325-711.021 | -14.700 | 1.328  | 3.08 | 3.08 | 4.62 | 4.62 | 61.355  | 5.687  | 0.27 |
| 1G | 325-711.021 | 8.354   | -8.006 | 3.08 | 3.08 | 4.62 | 4.62 | 36.089  | 33.812 | 0.27 |
| 1H | 325-711.021 | 8.354   | 1.328  | 3.08 | 3.08 | 4.62 | 4.62 | 36.089  | 5.687  | 0.27 |
| 1I | 325-759.328 | -25.318 | -5.322 | 3.08 | 3.08 | 4.62 | 4.62 | 94.247  | 21.587 | 0.29 |
| 1J | 325-759.328 | -25.318 | -1.356 | 3.08 | 3.08 | 4.62 | 4.62 | 94.247  | 5.472  | 0.29 |
| 1K | 325-759.328 | 18.972  | -5.322 | 3.08 | 3.08 | 4.62 | 4.62 | 72.986  | 21.587 | 0.29 |
| 1L | 325-759.328 | 18.972  | -1.356 | 3.08 | 3.08 | 4.62 | 4.62 | 72.986  | 5.472  | 0.29 |
| 1M | 325-717.615 | -25.318 | -5.322 | 3.08 | 3.08 | 4.62 | 4.62 | 98.845  | 22.814 | 0.27 |
| 1N | 325-717.615 | -25.318 | -1.356 | 3.08 | 3.08 | 4.62 | 4.62 | 98.845  | 5.790  | 0.27 |
| 1O | 325-717.615 | 18.972  | -5.322 | 3.08 | 3.08 | 4.62 | 4.62 | 76.667  | 22.814 | 0.27 |
| 1P | 325-717.615 | 18.972  | -1.356 | 3.08 | 3.08 | 4.62 | 4.62 | 76.667  | 5.790  | 0.27 |
| 1A | 350-764.451 | -16.741 | -8.964 | 3.08 | 3.08 | 4.62 | 4.62 | 64.709  | 35.138 | 0.29 |
| 1B | 350-764.451 | -16.741 | 1.408  | 3.08 | 3.08 | 4.62 | 4.62 | 64.709  | 5.602  | 0.29 |
| 1C | 350-764.451 | 9.691   | -8.964 | 3.08 | 3.08 | 4.62 | 4.62 | 38.841  | 35.138 | 0.29 |
| 1D | 350-764.451 | 9.691   | 1.408  | 3.08 | 3.08 | 4.62 | 4.62 | 38.841  | 5.602  | 0.29 |
| 1E | 350-709.549 | -16.741 | -8.964 | 3.08 | 3.08 | 4.62 | 4.62 | 69.284  | 37.696 | 0.27 |
| 1F | 350-709.549 | -16.741 | 1.408  | 3.08 | 3.08 | 4.62 | 4.62 | 69.284  | 6.143  | 0.27 |
| 1G | 350-709.549 | 9.691   | -8.964 | 3.08 | 3.08 | 4.62 | 4.62 | 41.719  | 37.696 | 0.27 |
| 1H | 350-709.549 | 9.691   | 1.408  | 3.08 | 3.08 | 4.62 | 4.62 | 41.719  | 6.143  | 0.27 |
| 1I | 350-757.857 | -28.966 | -6.080 | 3.08 | 3.08 | 4.62 | 4.62 | 105.942 | 24.504 | 0.28 |
| 1J | 350-757.857 | -28.966 | -1.476 | 3.08 | 3.08 | 4.62 | 4.62 | 105.942 | 5.973  | 0.28 |
| 1K | 350-757.857 | 21.916  | -6.080 | 3.08 | 3.08 | 4.62 | 4.62 | 83.106  | 24.504 | 0.28 |
| 1L | 350-757.857 | 21.916  | -1.476 | 3.08 | 3.08 | 4.62 | 4.62 | 83.106  | 5.973  | 0.28 |
| 1M | 350-716.143 | -28.966 | -6.080 | 3.08 | 3.08 | 4.62 | 4.62 | 111.198 | 25.898 | 0.27 |
| 1N | 350-716.143 | -28.966 | -1.476 | 3.08 | 3.08 | 4.62 | 4.62 | 111.198 | 6.362  | 0.27 |
| 1O | 350-716.143 | 21.916  | -6.080 | 3.08 | 3.08 | 4.62 | 4.62 | 87.397  | 25.898 | 0.27 |
| 1P | 350-716.143 | 21.916  | -1.476 | 3.08 | 3.08 | 4.62 | 4.62 | 87.397  | 6.362  | 0.27 |

ASTA NUM. 8 NI 50 NF 72 SEZ. Rp B= 0.600 H= 0.400 (pilastro)

PIL. NUM. 26

Copriferro: 3.0 cm

| NC | x         | Fx      | My     | Mz   | APOST | AANT | AINF | ASUP   | My.Res. | Mz.Res. | I.R. | Note |
|----|-----------|---------|--------|------|-------|------|------|--------|---------|---------|------|------|
|    | cm        | kN      | kN*m   |      |       | cmq  |      |        | kN*m    |         | Fx,M |      |
| 1A | 0-795.632 | 9.407   | -5.048 | 3.08 | 3.08  | 4.62 | 4.62 | 36.312 | 19.568  | 0.30    |      |      |
| 1B | 0-795.632 | 9.407   | -9.568 | 3.08 | 3.08  | 4.62 | 4.62 | 36.312 | 35.987  | 0.30    |      |      |
| 1C | 0-795.632 | -8.931  | -5.048 | 3.08 | 3.08  | 4.62 | 4.62 | 34.521 | 19.568  | 0.30    |      |      |
| 1D | 0-795.632 | -8.931  | -9.568 | 3.08 | 3.08  | 4.62 | 4.62 | 34.521 | 35.987  | 0.30    |      |      |
| 1E | 0-741.768 | 9.407   | -5.048 | 3.08 | 3.08  | 4.62 | 4.62 | 38.857 | 20.971  | 0.28    |      |      |
| 1F | 0-741.768 | 9.407   | -9.568 | 3.08 | 3.08  | 4.62 | 4.62 | 38.857 | 38.439  | 0.28    |      |      |
| 1G | 0-741.768 | -8.931  | -5.048 | 3.08 | 3.08  | 4.62 | 4.62 | 36.955 | 20.971  | 0.28    |      |      |
| 1H | 0-741.768 | -8.931  | -9.568 | 3.08 | 3.08  | 4.62 | 4.62 | 36.955 | 38.439  | 0.28    |      |      |
| 1I | 0-786.280 | 21.326  | -5.089 | 3.08 | 3.08  | 4.62 | 4.62 | 78.459 | 19.959  | 0.30    |      |      |
| 1J | 0-786.280 | 21.326  | -9.527 | 3.08 | 3.08  | 4.62 | 4.62 | 78.459 | 36.243  | 0.30    |      |      |
| 1K | 0-786.280 | -20.849 | -5.089 | 3.08 | 3.08  | 4.62 | 4.62 | 76.873 | 19.959  | 0.30    |      |      |
| 1L | 0-786.280 | -20.849 | -9.527 | 3.08 | 3.08  | 4.62 | 4.62 | 76.873 | 36.243  | 0.30    |      |      |

|    |             |         |        |      |      |      |      |        |        |      |
|----|-------------|---------|--------|------|------|------|------|--------|--------|------|
| 1M | 0-751.120   | 21.326  | -5.089 | 3.08 | 3.08 | 4.62 | 4.62 | 81.752 | 20.881 | 0.28 |
| 1N | 0-751.120   | 21.326  | -9.527 | 3.08 | 3.08 | 4.62 | 4.62 | 81.752 | 37.837 | 0.28 |
| 1O | 0-751.120   | -20.849 | -5.089 | 3.08 | 3.08 | 4.62 | 4.62 | 80.111 | 20.881 | 0.28 |
| 1P | 0-751.120   | -20.849 | -9.527 | 3.08 | 3.08 | 4.62 | 4.62 | 80.111 | 37.837 | 0.28 |
| 1A | 13-794.896  | 8.684   | -5.230 | 3.08 | 3.08 | 4.62 | 4.62 | 33.618 | 20.283 | 0.30 |
| 1B | 13-794.896  | 8.684   | -9.205 | 3.08 | 3.08 | 4.62 | 4.62 | 33.618 | 34.724 | 0.30 |
| 1C | 13-794.896  | -8.211  | -5.230 | 3.08 | 3.08 | 4.62 | 4.62 | 31.951 | 20.283 | 0.30 |
| 1D | 13-794.896  | -8.211  | -9.205 | 3.08 | 3.08 | 4.62 | 4.62 | 31.951 | 34.724 | 0.30 |
| 1E | 13-741.032  | 8.684   | -5.230 | 3.08 | 3.08 | 4.62 | 4.62 | 35.998 | 21.733 | 0.28 |
| 1F | 13-741.032  | 8.684   | -9.205 | 3.08 | 3.08 | 4.62 | 4.62 | 35.998 | 37.104 | 0.28 |
| 1G | 13-741.032  | -8.211  | -5.230 | 3.08 | 3.08 | 4.62 | 4.62 | 34.088 | 21.733 | 0.28 |
| 1H | 13-741.032  | -8.211  | -9.205 | 3.08 | 3.08 | 4.62 | 4.62 | 34.088 | 37.104 | 0.28 |
| 1I | 13-785.544  | 19.659  | -5.177 | 3.08 | 3.08 | 4.62 | 4.62 | 73.095 | 20.318 | 0.30 |
| 1J | 13-785.544  | 19.659  | -9.257 | 3.08 | 3.08 | 4.62 | 4.62 | 73.095 | 35.305 | 0.30 |
| 1K | 13-785.544  | -19.187 | -5.177 | 3.08 | 3.08 | 4.62 | 4.62 | 71.500 | 20.318 | 0.30 |
| 1L | 13-785.544  | -19.187 | -9.257 | 3.08 | 3.08 | 4.62 | 4.62 | 71.500 | 35.305 | 0.30 |
| 1M | 13-750.384  | 19.659  | -5.177 | 3.08 | 3.08 | 4.62 | 4.62 | 76.040 | 21.255 | 0.28 |
| 1N | 13-750.384  | 19.659  | -9.257 | 3.08 | 3.08 | 4.62 | 4.62 | 76.040 | 36.865 | 0.28 |
| 1O | 13-750.384  | -19.187 | -5.177 | 3.08 | 3.08 | 4.62 | 4.62 | 74.378 | 21.255 | 0.28 |
| 1P | 13-750.384  | -19.187 | -9.257 | 3.08 | 3.08 | 4.62 | 4.62 | 74.378 | 36.865 | 0.28 |
| 1A | 25-794.161  | 7.952   | -5.048 | 3.08 | 3.08 | 4.62 | 4.62 | 30.996 | 19.604 | 0.30 |
| 1B | 25-794.161  | 7.952   | -8.479 | 3.08 | 3.08 | 4.62 | 4.62 | 30.996 | 32.134 | 0.30 |
| 1C | 25-794.161  | -7.500  | -5.048 | 3.08 | 3.08 | 4.62 | 4.62 | 29.267 | 19.604 | 0.30 |
| 1D | 25-794.161  | -7.500  | -8.479 | 3.08 | 3.08 | 4.62 | 4.62 | 29.267 | 32.134 | 0.30 |
| 1E | 25-740.297  | 7.952   | -5.048 | 3.08 | 3.08 | 4.62 | 4.62 | 33.068 | 21.012 | 0.28 |
| 1F | 25-740.297  | 7.952   | -8.479 | 3.08 | 3.08 | 4.62 | 4.62 | 33.068 | 34.362 | 0.28 |
| 1G | 25-740.297  | -7.500  | -5.048 | 3.08 | 3.08 | 4.62 | 4.62 | 31.350 | 21.012 | 0.28 |
| 1H | 25-740.297  | -7.500  | -8.479 | 3.08 | 3.08 | 4.62 | 4.62 | 31.350 | 34.362 | 0.28 |
| 1I | 25-784.809  | 17.985  | -4.902 | 3.08 | 3.08 | 4.62 | 4.62 | 67.463 | 19.265 | 0.29 |
| 1J | 25-784.809  | 17.985  | -8.625 | 3.08 | 3.08 | 4.62 | 4.62 | 67.463 | 33.036 | 0.29 |
| 1K | 25-784.809  | -17.532 | -4.902 | 3.08 | 3.08 | 4.62 | 4.62 | 65.904 | 19.265 | 0.29 |
| 1L | 25-784.809  | -17.532 | -8.625 | 3.08 | 3.08 | 4.62 | 4.62 | 65.904 | 33.036 | 0.29 |
| 1M | 25-749.649  | 17.985  | -4.902 | 3.08 | 3.08 | 4.62 | 4.62 | 70.346 | 20.161 | 0.28 |
| 1N | 25-749.649  | 17.985  | -8.625 | 3.08 | 3.08 | 4.62 | 4.62 | 70.346 | 34.511 | 0.28 |
| 1O | 25-749.649  | -17.532 | -4.902 | 3.08 | 3.08 | 4.62 | 4.62 | 68.730 | 20.161 | 0.28 |
| 1P | 25-749.649  | -17.532 | -8.625 | 3.08 | 3.08 | 4.62 | 4.62 | 68.730 | 34.511 | 0.28 |
| 1A | 325-776.503 | -9.604  | -0.691 | 3.08 | 3.08 | 4.62 | 4.62 | 37.931 | 2.563  | 0.29 |
| 1B | 325-776.503 | -9.604  | 8.949  | 3.08 | 3.08 | 4.62 | 4.62 | 37.931 | 34.567 | 0.29 |
| 1C | 325-776.503 | 9.577   | -0.691 | 3.08 | 3.08 | 4.62 | 4.62 | 37.828 | 2.563  | 0.29 |
| 1D | 325-776.503 | 9.577   | 8.949  | 3.08 | 3.08 | 4.62 | 4.62 | 37.828 | 34.567 | 0.29 |
| 1E | 325-722.639 | -9.604  | -0.691 | 3.08 | 3.08 | 4.62 | 4.62 | 40.646 | 2.792  | 0.27 |
| 1F | 325-722.639 | -9.604  | 8.949  | 3.08 | 3.08 | 4.62 | 4.62 | 40.646 | 36.998 | 0.27 |
| 1G | 325-722.639 | 9.577   | -0.691 | 3.08 | 3.08 | 4.62 | 4.62 | 40.536 | 2.792  | 0.27 |
| 1H | 325-722.639 | 9.577   | 8.949  | 3.08 | 3.08 | 4.62 | 4.62 | 40.536 | 36.998 | 0.27 |
| 1I | 325-767.151 | -22.199 | 1.705  | 3.08 | 3.08 | 4.62 | 4.62 | 83.155 | 6.892  | 0.29 |
| 1J | 325-767.151 | -22.199 | 6.554  | 3.08 | 3.08 | 4.62 | 4.62 | 83.155 | 26.056 | 0.29 |
| 1K | 325-767.151 | 22.172  | 1.705  | 3.08 | 3.08 | 4.62 | 4.62 | 83.064 | 6.892  | 0.29 |
| 1L | 325-767.151 | 22.172  | 6.554  | 3.08 | 3.08 | 4.62 | 4.62 | 83.064 | 26.056 | 0.29 |
| 1M | 325-731.991 | -22.199 | 1.705  | 3.08 | 3.08 | 4.62 | 4.62 | 86.700 | 7.187  | 0.28 |
| 1N | 325-731.991 | -22.199 | 6.554  | 3.08 | 3.08 | 4.62 | 4.62 | 86.700 | 27.269 | 0.28 |
| 1O | 325-731.991 | 22.172  | 1.705  | 3.08 | 3.08 | 4.62 | 4.62 | 86.607 | 7.187  | 0.28 |
| 1P | 325-731.991 | 22.172  | 6.554  | 3.08 | 3.08 | 4.62 | 4.62 | 86.607 | 27.269 | 0.28 |
| 1A | 350-775.032 | -11.060 | -0.690 | 3.08 | 3.08 | 4.62 | 4.62 | 43.370 | 2.569  | 0.29 |
| 1B | 350-775.032 | -11.060 | 10.038 | 3.08 | 3.08 | 4.62 | 4.62 | 43.370 | 38.588 | 0.29 |
| 1C | 350-775.032 | 11.008  | -0.690 | 3.08 | 3.08 | 4.62 | 4.62 | 43.178 | 2.569  | 0.29 |
| 1D | 350-775.032 | 11.008  | 10.038 | 3.08 | 3.08 | 4.62 | 4.62 | 43.178 | 38.588 | 0.29 |
| 1E | 350-721.168 | -11.060 | -0.690 | 3.08 | 3.08 | 4.62 | 4.62 | 46.464 | 2.799  | 0.27 |
| 1F | 350-721.168 | -11.060 | 10.038 | 3.08 | 3.08 | 4.62 | 4.62 | 46.464 | 41.265 | 0.27 |
| 1G | 350-721.168 | 11.008  | -0.690 | 3.08 | 3.08 | 4.62 | 4.62 | 46.260 | 2.799  | 0.27 |
| 1H | 350-721.168 | 11.008  | 10.038 | 3.08 | 3.08 | 4.62 | 4.62 | 46.260 | 41.265 | 0.27 |
| 1I | 350-765.680 | -25.540 | 1.893  | 3.08 | 3.08 | 4.62 | 4.62 | 94.279 | 7.695  | 0.29 |
| 1J | 350-765.680 | -25.540 | 7.455  | 3.08 | 3.08 | 4.62 | 4.62 | 94.279 | 29.561 | 0.29 |
| 1K | 350-765.680 | 25.489  | 1.893  | 3.08 | 3.08 | 4.62 | 4.62 | 94.114 | 7.695  | 0.29 |
| 1L | 350-765.680 | 25.489  | 7.455  | 3.08 | 3.08 | 4.62 | 4.62 | 94.114 | 29.561 | 0.29 |
| 1M | 350-730.520 | -25.540 | 1.893  | 3.08 | 3.08 | 4.62 | 4.62 | 98.062 | 8.011  | 0.27 |
| 1N | 350-730.520 | -25.540 | 7.455  | 3.08 | 3.08 | 4.62 | 4.62 | 98.062 | 30.918 | 0.27 |
| 1O | 350-730.520 | 25.489  | 1.893  | 3.08 | 3.08 | 4.62 | 4.62 | 97.891 | 8.011  | 0.27 |
| 1P | 350-730.520 | 25.489  | 7.455  | 3.08 | 3.08 | 4.62 | 4.62 | 97.891 | 30.918 | 0.27 |

ASTA NUM. 9 NI 48 NF 73 SEZ. Rp B= 0.400 H= 0.600 (pilastro)

PIL. NUM. 10

Copriferro: 3.0 cm

| NC | x         | Fx      | My      | Mz   | APOST | AANT | AINF | ASUP    | My.Res. | Mz.Res. | I.R. | Note |
|----|-----------|---------|---------|------|-------|------|------|---------|---------|---------|------|------|
|    | cm        | kN      | kN*m    |      | cmq   |      |      |         | kN*m    |         | Fx,M |      |
| 1A | 0-622.842 | -28.444 | -7.869  | 4.62 | 4.62  | 3.08 | 3.08 | 113.096 | 38.717  | 0.25    |      |      |
| 1B | 0-622.842 | -28.444 | -10.300 | 4.62 | 4.62  | 3.08 | 3.08 | 113.096 | 49.911  | 0.25    |      |      |
| 1C | 0-622.842 | -44.754 | -7.869  | 4.62 | 4.62  | 3.08 | 3.08 | 152.338 | 38.717  | 0.29    |      |      |
| 1D | 0-622.842 | -44.754 | -10.300 | 4.62 | 4.62  | 3.08 | 3.08 | 152.338 | 49.911  | 0.29    |      |      |
| 1E | 0-589.358 | -28.444 | -7.869  | 4.62 | 4.62  | 3.08 | 3.08 | 117.747 | 40.827  | 0.24    |      |      |
| 1F | 0-589.358 | -28.444 | -10.300 | 4.62 | 4.62  | 3.08 | 3.08 | 117.747 | 52.577  | 0.24    |      |      |
| 1G | 0-589.358 | -44.754 | -7.869  | 4.62 | 4.62  | 3.08 | 3.08 | 157.056 | 40.827  | 0.28    |      |      |
| 1H | 0-589.358 | -44.754 | -10.300 | 4.62 | 4.62  | 3.08 | 3.08 | 157.056 | 52.577  | 0.28    |      |      |
| 1I | 0-619.077 | -19.966 | -8.173  | 4.62 | 4.62  | 3.08 | 3.08 | 85.968  | 40.386  | 0.23    |      |      |
| 1J | 0-619.077 | -19.966 | -9.997  | 4.62 | 4.62  | 3.08 | 3.08 | 85.968  | 48.797  | 0.23    |      |      |
| 1K | 0-619.077 | -53.232 | -8.173  | 4.62 | 4.62  | 3.08 | 3.08 | 167.289 | 40.386  | 0.32    |      |      |
| 1L | 0-619.077 | -53.232 | -9.997  | 4.62 | 4.62  | 3.08 | 3.08 | 167.289 | 48.797  | 0.32    |      |      |
| 1M | 0-593.123 | -19.966 | -8.173  | 4.62 | 4.62  | 3.08 | 3.08 | 89.061  | 42.075  | 0.22    |      |      |
| 1N | 0-593.123 | -19.966 | -9.997  | 4.62 | 4.62  | 3.08 | 3.08 | 89.061  | 50.812  | 0.22    |      |      |
| 1O | 0-593.123 | -53.232 | -8.173  | 4.62 | 4.62  | 3.08 | 3.08 | 170.658 | 42.075  | 0.31    |      |      |
| 1P | 0-593.123 | -53.232 | -9.997  | 4.62 | 4.62  | 3.08 | 3.08 | 170.658 | 50.812  | 0.31    |      |      |

|    |            |         |        |      |      |      |      |         |        |      |
|----|------------|---------|--------|------|------|------|------|---------|--------|------|
| 1A | 13-622.107 | -28.521 | -8.133 | 4.62 | 4.62 | 3.08 | 3.08 | 113.420 | 40.007 | 0.25 |
| 1B | 13-622.107 | -28.521 | -9.877 | 4.62 | 4.62 | 3.08 | 3.08 | 113.420 | 48.020 | 0.25 |
| 1C | 13-622.107 | -43.571 | -8.133 | 4.62 | 4.62 | 3.08 | 3.08 | 150.125 | 40.007 | 0.29 |
| 1D | 13-622.107 | -43.571 | -9.877 | 4.62 | 4.62 | 3.08 | 3.08 | 150.125 | 48.020 | 0.29 |
| 1E | 13-588.622 | -28.521 | -8.133 | 4.62 | 4.62 | 3.08 | 3.08 | 118.082 | 42.183 | 0.24 |
| 1F | 13-588.622 | -28.521 | -9.877 | 4.62 | 4.62 | 3.08 | 3.08 | 118.082 | 50.600 | 0.24 |
| 1G | 13-588.622 | -43.571 | -8.133 | 4.62 | 4.62 | 3.08 | 3.08 | 154.884 | 42.183 | 0.28 |
| 1H | 13-588.622 | -43.571 | -9.877 | 4.62 | 4.62 | 3.08 | 3.08 | 154.884 | 50.600 | 0.28 |
| 1I | 13-618.341 | -20.686 | -8.265 | 4.62 | 4.62 | 3.08 | 3.08 | 88.609  | 40.869 | 0.23 |
| 1J | 13-618.341 | -20.686 | -9.744 | 4.62 | 4.62 | 3.08 | 3.08 | 88.609  | 47.683 | 0.23 |
| 1K | 13-618.341 | -51.406 | -8.265 | 4.62 | 4.62 | 3.08 | 3.08 | 164.574 | 40.869 | 0.31 |
| 1L | 13-618.341 | -51.406 | -9.744 | 4.62 | 4.62 | 3.08 | 3.08 | 164.574 | 47.683 | 0.31 |
| 1M | 13-592.387 | -20.686 | -8.265 | 4.62 | 4.62 | 3.08 | 3.08 | 91.774  | 42.443 | 0.23 |
| 1N | 13-592.387 | -20.686 | -9.744 | 4.62 | 4.62 | 3.08 | 3.08 | 91.774  | 49.660 | 0.23 |
| 1O | 13-592.387 | -51.406 | -8.265 | 4.62 | 4.62 | 3.08 | 3.08 | 168.017 | 42.443 | 0.31 |
| 1P | 13-592.387 | -51.406 | -9.744 | 4.62 | 4.62 | 3.08 | 3.08 | 168.017 | 49.660 | 0.31 |

|    |            |         |        |      |      |      |      |         |        |      |
|----|------------|---------|--------|------|------|------|------|---------|--------|------|
| 1A | 25-621.371 | -26.387 | -8.076 | 4.62 | 4.62 | 3.08 | 3.08 | 107.094 | 39.784 | 0.25 |
| 1B | 25-621.371 | -26.387 | -9.133 | 4.62 | 4.62 | 3.08 | 3.08 | 107.094 | 44.619 | 0.25 |
| 1C | 25-621.371 | -40.176 | -8.076 | 4.62 | 4.62 | 3.08 | 3.08 | 143.170 | 39.784 | 0.28 |
| 1D | 25-621.371 | -40.176 | -9.133 | 4.62 | 4.62 | 3.08 | 3.08 | 143.170 | 44.619 | 0.28 |
| 1E | 25-587.886 | -26.387 | -8.076 | 4.62 | 4.62 | 3.08 | 3.08 | 111.654 | 41.951 | 0.24 |
| 1F | 25-587.886 | -26.387 | -9.133 | 4.62 | 4.62 | 3.08 | 3.08 | 111.654 | 47.041 | 0.24 |
| 1G | 25-587.886 | -40.176 | -8.076 | 4.62 | 4.62 | 3.08 | 3.08 | 147.997 | 41.951 | 0.27 |
| 1H | 25-587.886 | -40.176 | -9.133 | 4.62 | 4.62 | 3.08 | 3.08 | 147.997 | 47.041 | 0.27 |
| 1I | 25-617.606 | -19.195 | -8.037 | 4.62 | 4.62 | 3.08 | 3.08 | 83.361  | 39.833 | 0.23 |
| 1J | 25-617.606 | -19.195 | -9.172 | 4.62 | 4.62 | 3.08 | 3.08 | 83.361  | 45.061 | 0.23 |
| 1K | 25-617.606 | -47.368 | -8.037 | 4.62 | 4.62 | 3.08 | 3.08 | 157.895 | 39.833 | 0.30 |
| 1L | 25-617.606 | -47.368 | -9.172 | 4.62 | 4.62 | 3.08 | 3.08 | 157.895 | 45.061 | 0.30 |
| 1M | 25-591.652 | -19.195 | -8.037 | 4.62 | 4.62 | 3.08 | 3.08 | 86.394  | 41.505 | 0.22 |
| 1N | 25-591.652 | -19.195 | -9.172 | 4.62 | 4.62 | 3.08 | 3.08 | 86.394  | 46.944 | 0.22 |
| 1O | 25-591.652 | -47.368 | -8.037 | 4.62 | 4.62 | 3.08 | 3.08 | 161.483 | 41.505 | 0.29 |
| 1P | 25-591.652 | -47.368 | -9.172 | 4.62 | 4.62 | 3.08 | 3.08 | 161.483 | 46.944 | 0.29 |

|    |             |        |        |      |      |      |      |         |        |      |
|----|-------------|--------|--------|------|------|------|------|---------|--------|------|
| 1A | 325-603.714 | 24.832 | -6.711 | 4.62 | 4.62 | 3.08 | 3.08 | 104.495 | 34.197 | 0.24 |
| 1B | 325-603.714 | 24.832 | 8.713  | 4.62 | 4.62 | 3.08 | 3.08 | 104.495 | 43.842 | 0.24 |
| 1C | 325-603.714 | 41.291 | -6.711 | 4.62 | 4.62 | 3.08 | 3.08 | 148.068 | 34.197 | 0.28 |
| 1D | 325-603.714 | 41.291 | 8.713  | 4.62 | 4.62 | 3.08 | 3.08 | 148.068 | 43.842 | 0.28 |
| 1E | 325-570.229 | 24.832 | -6.711 | 4.62 | 4.62 | 3.08 | 3.08 | 109.154 | 36.151 | 0.23 |
| 1F | 325-570.229 | 24.832 | 8.713  | 4.62 | 4.62 | 3.08 | 3.08 | 109.154 | 46.301 | 0.23 |
| 1G | 325-570.229 | 41.291 | -6.711 | 4.62 | 4.62 | 3.08 | 3.08 | 153.002 | 36.151 | 0.27 |
| 1H | 325-570.229 | 41.291 | 8.713  | 4.62 | 4.62 | 3.08 | 3.08 | 153.002 | 46.301 | 0.27 |
| 1I | 325-599.948 | 16.582 | -2.566 | 4.62 | 4.62 | 3.08 | 3.08 | 75.678  | 13.371 | 0.23 |
| 1J | 325-599.948 | 16.582 | 4.567  | 4.62 | 4.62 | 3.08 | 3.08 | 75.678  | 23.749 | 0.23 |
| 1K | 325-599.948 | 49.541 | -2.566 | 4.62 | 4.62 | 3.08 | 3.08 | 164.025 | 13.371 | 0.30 |
| 1L | 325-599.948 | 49.541 | 4.567  | 4.62 | 4.62 | 3.08 | 3.08 | 164.025 | 23.749 | 0.30 |
| 1M | 325-573.995 | 16.582 | -2.566 | 4.62 | 4.62 | 3.08 | 3.08 | 78.557  | 14.001 | 0.22 |
| 1N | 325-573.995 | 16.582 | 4.567  | 4.62 | 4.62 | 3.08 | 3.08 | 78.557  | 24.696 | 0.22 |
| 1O | 325-573.995 | 49.541 | -2.566 | 4.62 | 4.62 | 3.08 | 3.08 | 167.588 | 14.001 | 0.30 |
| 1P | 325-573.995 | 49.541 | 4.567  | 4.62 | 4.62 | 3.08 | 3.08 | 167.588 | 24.696 | 0.30 |

|    |             |        |        |      |      |      |      |         |        |      |
|----|-------------|--------|--------|------|------|------|------|---------|--------|------|
| 1A | 350-602.242 | 26.889 | -6.918 | 4.62 | 4.62 | 3.08 | 3.08 | 111.217 | 35.306 | 0.24 |
| 1B | 350-602.242 | 26.889 | 9.879  | 4.62 | 4.62 | 3.08 | 3.08 | 111.217 | 49.532 | 0.24 |
| 1C | 350-602.242 | 45.869 | -6.918 | 4.62 | 4.62 | 3.08 | 3.08 | 157.308 | 35.306 | 0.29 |
| 1D | 350-602.242 | 45.869 | 9.879  | 4.62 | 4.62 | 3.08 | 3.08 | 157.308 | 49.532 | 0.29 |
| 1E | 350-568.758 | 26.889 | -6.918 | 4.62 | 4.62 | 3.08 | 3.08 | 116.000 | 37.322 | 0.23 |
| 1F | 350-568.758 | 26.889 | 9.879  | 4.62 | 4.62 | 3.08 | 3.08 | 116.000 | 52.275 | 0.23 |
| 1G | 350-568.758 | 45.869 | -6.918 | 4.62 | 4.62 | 3.08 | 3.08 | 162.087 | 37.322 | 0.28 |
| 1H | 350-568.758 | 45.869 | 9.879  | 4.62 | 4.62 | 3.08 | 3.08 | 162.087 | 52.275 | 0.28 |
| 1I | 350-598.477 | 17.352 | -2.430 | 4.62 | 4.62 | 3.08 | 3.08 | 78.798  | 12.757 | 0.22 |
| 1J | 350-598.477 | 17.352 | 5.392  | 4.62 | 4.62 | 3.08 | 3.08 | 78.798  | 27.942 | 0.22 |
| 1K | 350-598.477 | 55.406 | -2.430 | 4.62 | 4.62 | 3.08 | 3.08 | 173.039 | 12.757 | 0.32 |
| 1L | 350-598.477 | 55.406 | 5.392  | 4.62 | 4.62 | 3.08 | 3.08 | 173.039 | 27.942 | 0.32 |
| 1M | 350-572.523 | 17.352 | -2.430 | 4.62 | 4.62 | 3.08 | 3.08 | 81.622  | 13.264 | 0.22 |
| 1N | 350-572.523 | 17.352 | 5.392  | 4.62 | 4.62 | 3.08 | 3.08 | 81.622  | 29.188 | 0.22 |
| 1O | 350-572.523 | 55.406 | -2.430 | 4.62 | 4.62 | 3.08 | 3.08 | 176.345 | 13.264 | 0.31 |
| 1P | 350-572.523 | 55.406 | 5.392  | 4.62 | 4.62 | 3.08 | 3.08 | 176.345 | 29.188 | 0.31 |

ASTA NUM. 10 NI 46 NF 74 SEZ. Rp B= 0.400 H= 0.600 (pilastro)

PILL. NUM. 9

Copriferro: 3.0 cm

| NC | x          | Fx      | My     | Mz   | APOST | AANT | AINF | ASUP    | My.Res. | Mz.Res. | I.R.  | Note |
|----|------------|---------|--------|------|-------|------|------|---------|---------|---------|-------|------|
|    | cm         | kN      | kN*m   |      |       |      |      |         | kN*m    |         | Fx, M |      |
| 1A | 0-366.452  | 12.627  | 10.655 | 4.62 | 4.62  | 3.08 | 3.08 | 90.782  | 83.512  | 0.14    |       |      |
| 1B | 0-366.452  | 12.627  | 4.186  | 4.62 | 4.62  | 3.08 | 3.08 | 90.782  | 35.115  | 0.14    |       |      |
| 1C | 0-366.452  | -7.721  | 10.655 | 4.62 | 4.62  | 3.08 | 3.08 | 59.774  | 83.512  | 0.14    |       |      |
| 1D | 0-366.452  | -7.721  | 4.186  | 4.62 | 4.62  | 3.08 | 3.08 | 59.774  | 35.115  | 0.14    |       |      |
| 1E | 0-274.948  | 12.627  | 10.655 | 4.62 | 4.62  | 3.08 | 3.08 | 113.565 | 107.206 | 0.11    |       |      |
| 1F | 0-274.948  | 12.627  | 4.186  | 4.62 | 4.62  | 3.08 | 3.08 | 113.565 | 46.144  | 0.11    |       |      |
| 1G | 0-274.948  | -7.721  | 10.655 | 4.62 | 4.62  | 3.08 | 3.08 | 76.704  | 107.206 | 0.10    |       |      |
| 1H | 0-274.948  | -7.721  | 4.186  | 4.62 | 4.62  | 3.08 | 3.08 | 76.704  | 46.144  | 0.10    |       |      |
| 1I | 0-379.962  | 24.470  | 13.309 | 4.62 | 4.62  | 3.08 | 3.08 | 142.821 | 98.227  | 0.17    |       |      |
| 1J | 0-379.962  | 24.470  | 1.532  | 4.62 | 4.62  | 3.08 | 3.08 | 142.821 | 12.659  | 0.17    |       |      |
| 1K | 0-379.962  | -19.564 | 13.309 | 4.62 | 4.62  | 3.08 | 3.08 | 123.285 | 98.227  | 0.16    |       |      |
| 1L | 0-379.962  | -19.564 | 1.532  | 4.62 | 4.62  | 3.08 | 3.08 | 123.285 | 12.659  | 0.16    |       |      |
| 1M | 0-261.438  | 24.470  | 13.309 | 4.62 | 4.62  | 3.08 | 3.08 | 173.865 | 134.547 | 0.14    |       |      |
| 1N | 0-261.438  | 24.470  | 1.532  | 4.62 | 4.62  | 3.08 | 3.08 | 173.865 | 18.354  | 0.14    |       |      |
| 1O | 0-261.438  | -19.564 | 13.309 | 4.62 | 4.62  | 3.08 | 3.08 | 155.811 | 134.547 | 0.13    |       |      |
| 1P | 0-261.438  | -19.564 | 1.532  | 4.62 | 4.62  | 3.08 | 3.08 | 155.811 | 18.354  | 0.13    |       |      |
| 1A | 13-365.716 | 11.732  | 10.242 | 4.62 | 4.62  | 3.08 | 3.08 | 85.587  | 80.756  | 0.14    |       |      |
| 1B | 13-365.716 | 11.732  | 4.466  | 4.62 | 4.62  | 3.08 | 3.08 | 85.587  | 37.462  | 0.14    |       |      |
| 1C | 13-365.716 | -6.914  | 10.242 | 4.62 | 4.62  | 3.08 | 3.08 | 54.427  | 80.756  | 0.14    |       |      |
| 1D | 13-365.716 | -6.914  | 4.466  | 4.62 | 4.62  | 3.08 | 3.08 | 54.427  | 37.462  | 0.14    |       |      |
| 1E | 13-274.212 | 11.732  | 10.242 | 4.62 | 4.62  | 3.08 | 3.08 | 107.702 | 103.863 | 0.11    |       |      |

|    |             |         |        |      |      |      |      |         |         |      |
|----|-------------|---------|--------|------|------|------|------|---------|---------|------|
| 1F | 13-274.212  | 11.732  | 4.466  | 4.62 | 4.62 | 3.08 | 3.08 | 107.702 | 49.190  | 0.11 |
| 1G | 13-274.212  | -6.914  | 10.242 | 4.62 | 4.62 | 3.08 | 3.08 | 69.967  | 103.863 | 0.10 |
| 1H | 13-274.212  | -6.914  | 4.466  | 4.62 | 4.62 | 3.08 | 3.08 | 69.967  | 49.190  | 0.10 |
| 1I | 13-379.226  | 22.601  | 12.898 | 4.62 | 4.62 | 3.08 | 3.08 | 136.028 | 95.892  | 0.17 |
| 1J | 13-379.226  | 22.601  | 1.810  | 4.62 | 4.62 | 3.08 | 3.08 | 136.028 | 14.983  | 0.17 |
| 1K | 13-379.226  | -17.784 | 12.898 | 4.62 | 4.62 | 3.08 | 3.08 | 115.316 | 95.892  | 0.15 |
| 1L | 13-379.226  | -17.784 | 1.810  | 4.62 | 4.62 | 3.08 | 3.08 | 115.316 | 14.983  | 0.15 |
| 1M | 13-260.702  | 22.601  | 12.898 | 4.62 | 4.62 | 3.08 | 3.08 | 167.939 | 131.423 | 0.13 |
| 1N | 13-260.702  | 22.601  | 1.810  | 4.62 | 4.62 | 3.08 | 3.08 | 167.939 | 21.666  | 0.13 |
| 1O | 13-260.702  | -17.784 | 12.898 | 4.62 | 4.62 | 3.08 | 3.08 | 147.838 | 131.423 | 0.12 |
| 1P | 13-260.702  | -17.784 | 1.810  | 4.62 | 4.62 | 3.08 | 3.08 | 147.838 | 21.666  | 0.12 |
| 1A | 25-364.981  | 10.658  | 9.563  | 4.62 | 4.62 | 3.08 | 3.08 | 79.272  | 76.048  | 0.14 |
| 1B | 25-364.981  | 10.658  | 4.479  | 4.62 | 4.62 | 3.08 | 3.08 | 79.272  | 37.640  | 0.14 |
| 1C | 25-364.981  | -6.286  | 9.563  | 4.62 | 4.62 | 3.08 | 3.08 | 50.031  | 76.048  | 0.14 |
| 1D | 25-364.981  | -6.286  | 4.479  | 4.62 | 4.62 | 3.08 | 3.08 | 50.031  | 37.640  | 0.14 |
| 1E | 25-273.477  | 10.658  | 9.563  | 4.62 | 4.62 | 3.08 | 3.08 | 100.248 | 98.082  | 0.11 |
| 1F | 25-273.477  | 10.658  | 4.479  | 4.62 | 4.62 | 3.08 | 3.08 | 100.248 | 49.451  | 0.11 |
| 1G | 25-273.477  | -6.286  | 9.563  | 4.62 | 4.62 | 3.08 | 3.08 | 64.552  | 98.082  | 0.10 |
| 1H | 25-273.477  | -6.286  | 4.479  | 4.62 | 4.62 | 3.08 | 3.08 | 64.552  | 49.451  | 0.10 |
| 1I | 25-378.491  | 20.554  | 12.220 | 4.62 | 4.62 | 3.08 | 3.08 | 127.899 | 91.622  | 0.16 |
| 1J | 25-378.491  | 20.554  | 1.822  | 4.62 | 4.62 | 3.08 | 3.08 | 127.899 | 15.116  | 0.16 |
| 1K | 25-378.491  | -16.182 | 12.220 | 4.62 | 4.62 | 3.08 | 3.08 | 107.645 | 91.622  | 0.15 |
| 1L | 25-378.491  | -16.182 | 1.822  | 4.62 | 4.62 | 3.08 | 3.08 | 107.645 | 15.116  | 0.15 |
| 1M | 25-259.967  | 20.554  | 12.220 | 4.62 | 4.62 | 3.08 | 3.08 | 160.443 | 126.137 | 0.13 |
| 1N | 25-259.967  | 20.554  | 1.822  | 4.62 | 4.62 | 3.08 | 3.08 | 160.443 | 21.872  | 0.13 |
| 1O | 25-259.967  | -16.182 | 12.220 | 4.62 | 4.62 | 3.08 | 3.08 | 139.840 | 126.137 | 0.12 |
| 1P | 25-259.967  | -16.182 | 1.822  | 4.62 | 4.62 | 3.08 | 3.08 | 139.840 | 21.872  | 0.12 |
| 1A | 325-347.323 | -15.105 | -6.736 | 4.62 | 4.62 | 3.08 | 3.08 | 109.046 | 57.810  | 0.14 |
| 1B | 325-347.323 | -15.105 | 4.791  | 4.62 | 4.62 | 3.08 | 3.08 | 109.046 | 42.114  | 0.14 |
| 1C | 325-347.323 | 8.801   | -6.736 | 4.62 | 4.62 | 3.08 | 3.08 | 70.262  | 57.810  | 0.13 |
| 1D | 325-347.323 | 8.801   | 4.791  | 4.62 | 4.62 | 3.08 | 3.08 | 70.262  | 42.114  | 0.13 |
| 1E | 325-255.819 | -15.105 | -6.736 | 4.62 | 4.62 | 3.08 | 3.08 | 135.213 | 76.392  | 0.11 |
| 1F | 325-255.819 | -15.105 | 4.791  | 4.62 | 4.62 | 3.08 | 3.08 | 135.213 | 55.939  | 0.11 |
| 1G | 325-255.819 | 8.801   | -6.736 | 4.62 | 4.62 | 3.08 | 3.08 | 90.664  | 76.392  | 0.10 |
| 1H | 325-255.819 | 8.801   | 4.791  | 4.62 | 4.62 | 3.08 | 3.08 | 90.664  | 55.939  | 0.10 |
| 1I | 325-360.833 | -28.570 | -4.057 | 4.62 | 4.62 | 3.08 | 3.08 | 160.564 | 34.574  | 0.18 |
| 1J | 325-360.833 | -28.570 | 2.111  | 4.62 | 4.62 | 3.08 | 3.08 | 160.564 | 18.328  | 0.18 |
| 1K | 325-360.833 | 22.266  | -4.057 | 4.62 | 4.62 | 3.08 | 3.08 | 139.079 | 34.574  | 0.16 |
| 1L | 325-360.833 | 22.266  | 2.111  | 4.62 | 4.62 | 3.08 | 3.08 | 139.079 | 18.328  | 0.16 |
| 1M | 325-242.309 | -28.570 | -4.057 | 4.62 | 4.62 | 3.08 | 3.08 | 189.537 | 50.492  | 0.15 |
| 1N | 325-242.309 | -28.570 | 2.111  | 4.62 | 4.62 | 3.08 | 3.08 | 189.537 | 27.030  | 0.15 |
| 1O | 325-242.309 | 22.266  | -4.057 | 4.62 | 4.62 | 3.08 | 3.08 | 172.472 | 50.492  | 0.13 |
| 1P | 325-242.309 | 22.266  | 2.111  | 4.62 | 4.62 | 3.08 | 3.08 | 172.472 | 27.030  | 0.13 |
| 1A | 350-345.852 | -17.074 | -7.828 | 4.62 | 4.62 | 3.08 | 3.08 | 119.675 | 66.702  | 0.14 |
| 1B | 350-345.852 | -17.074 | 5.083  | 4.62 | 4.62 | 3.08 | 3.08 | 119.675 | 44.617  | 0.14 |
| 1C | 350-345.852 | 10.236  | -7.828 | 4.62 | 4.62 | 3.08 | 3.08 | 80.169  | 66.702  | 0.13 |
| 1D | 350-345.852 | 10.236  | 5.083  | 4.62 | 4.62 | 3.08 | 3.08 | 80.169  | 44.617  | 0.13 |
| 1E | 350-254.348 | -17.074 | -7.828 | 4.62 | 4.62 | 3.08 | 3.08 | 146.443 | 87.840  | 0.12 |
| 1F | 350-254.348 | -17.074 | 5.083  | 4.62 | 4.62 | 3.08 | 3.08 | 146.443 | 59.450  | 0.12 |
| 1G | 350-254.348 | 10.236  | -7.828 | 4.62 | 4.62 | 3.08 | 3.08 | 102.718 | 87.840  | 0.10 |
| 1H | 350-254.348 | 10.236  | 5.083  | 4.62 | 4.62 | 3.08 | 3.08 | 102.718 | 59.450  | 0.10 |
| 1I | 350-359.362 | -32.486 | -5.147 | 4.62 | 4.62 | 3.08 | 3.08 | 171.216 | 43.521  | 0.19 |
| 1J | 350-359.362 | -32.486 | 2.402  | 4.62 | 4.62 | 3.08 | 3.08 | 171.216 | 20.849  | 0.19 |
| 1K | 350-359.362 | 25.648  | -5.147 | 4.62 | 4.62 | 3.08 | 3.08 | 151.756 | 43.521  | 0.17 |
| 1L | 350-359.362 | 25.648  | 2.402  | 4.62 | 4.62 | 3.08 | 3.08 | 151.756 | 20.849  | 0.17 |
| 1M | 350-240.838 | -32.486 | -5.147 | 4.62 | 4.62 | 3.08 | 3.08 | 193.783 | 63.262  | 0.17 |
| 1N | 350-240.838 | -32.486 | 2.402  | 4.62 | 4.62 | 3.08 | 3.08 | 193.783 | 30.869  | 0.17 |
| 1O | 350-240.838 | 25.648  | -5.147 | 4.62 | 4.62 | 3.08 | 3.08 | 183.065 | 63.262  | 0.14 |
| 1P | 350-240.838 | 25.648  | 2.402  | 4.62 | 4.62 | 3.08 | 3.08 | 183.065 | 30.869  | 0.14 |

ASTA NUM. 12 NI 42 NF 76 SEZ. Rp B= 0.300 H= 0.600 (pilastro)

PIL. NUM. 7

Copriferro: 3.0 cm

| NC | x          | Fx    | My      | Mz   | APOST | AANT | AINF | ASUP   | My.Res. | Mz.Res. | I.R. | Note |
|----|------------|-------|---------|------|-------|------|------|--------|---------|---------|------|------|
|    | cm         | kN    | kN*m    |      | cmq   |      |      |        | kN*m    |         | Fx,M |      |
| 1A | 0-478.787  | 8.634 | 31.179  | 4.62 | 4.62  | 3.08 | 3.08 | 38.854 | 126.359 | 0.25    |      |      |
| 1B | 0-478.787  | 8.634 | -17.065 | 4.62 | 4.62  | 3.08 | 3.08 | 38.854 | 77.143  | 0.23    |      |      |
| 1C | 0-478.787  | 7.222 | 31.179  | 4.62 | 4.62  | 3.08 | 3.08 | 33.188 | 126.359 | 0.25    |      |      |
| 1D | 0-478.787  | 7.222 | -17.065 | 4.62 | 4.62  | 3.08 | 3.08 | 33.188 | 77.143  | 0.23    |      |      |
| 1E | 0-450.013  | 8.634 | 31.179  | 4.62 | 4.62  | 3.08 | 3.08 | 40.990 | 132.292 | 0.24    |      |      |
| 1F | 0-450.013  | 8.634 | -17.065 | 4.62 | 4.62  | 3.08 | 3.08 | 40.990 | 81.401  | 0.22    |      |      |
| 1G | 0-450.013  | 7.222 | 31.179  | 4.62 | 4.62  | 3.08 | 3.08 | 35.073 | 132.292 | 0.24    |      |      |
| 1H | 0-450.013  | 7.222 | -17.065 | 4.62 | 4.62  | 3.08 | 3.08 | 35.073 | 81.401  | 0.22    |      |      |
| 1I | 0-477.716  | 8.695 | 27.070  | 4.62 | 4.62  | 3.08 | 3.08 | 39.168 | 113.555 | 0.24    |      |      |
| 1J | 0-477.716  | 8.695 | -12.956 | 4.62 | 4.62  | 3.08 | 3.08 | 39.168 | 60.677  | 0.23    |      |      |
| 1K | 0-477.716  | 7.161 | 27.070  | 4.62 | 4.62  | 3.08 | 3.08 | 33.003 | 113.555 | 0.24    |      |      |
| 1L | 0-477.716  | 7.161 | -12.956 | 4.62 | 4.62  | 3.08 | 3.08 | 33.003 | 60.677  | 0.23    |      |      |
| 1M | 0-451.084  | 8.695 | 27.070  | 4.62 | 4.62  | 3.08 | 3.08 | 41.155 | 118.717 | 0.23    |      |      |
| 1N | 0-451.084  | 8.695 | -12.956 | 4.62 | 4.62  | 3.08 | 3.08 | 41.155 | 63.886  | 0.22    |      |      |
| 1O | 0-451.084  | 7.161 | 27.070  | 4.62 | 4.62  | 3.08 | 3.08 | 34.737 | 118.717 | 0.23    |      |      |
| 1P | 0-451.084  | 7.161 | -12.956 | 4.62 | 4.62  | 3.08 | 3.08 | 34.737 | 63.886  | 0.22    |      |      |
| 1A | 13-478.233 | 8.487 | 29.216  | 4.62 | 4.62  | 3.08 | 3.08 | 38.315 | 120.365 | 0.24    |      |      |
| 1B | 13-478.233 | 8.487 | -15.309 | 4.62 | 4.62  | 3.08 | 3.08 | 38.315 | 70.343  | 0.23    |      |      |
| 1C | 13-478.233 | 7.176 | 29.216  | 4.62 | 4.62  | 3.08 | 3.08 | 33.035 | 120.365 | 0.24    |      |      |
| 1D | 13-478.233 | 7.176 | -15.309 | 4.62 | 4.62  | 3.08 | 3.08 | 33.035 | 70.343  | 0.23    |      |      |
| 1E | 13-449.459 | 8.487 | 29.216  | 4.62 | 4.62  | 3.08 | 3.08 | 40.431 | 126.184 | 0.23    |      |      |
| 1F | 13-449.459 | 8.487 | -15.309 | 4.62 | 4.62  | 3.08 | 3.08 | 40.431 | 74.273  | 0.22    |      |      |
| 1G | 13-449.459 | 7.176 | 29.216  | 4.62 | 4.62  | 3.08 | 3.08 | 34.916 | 126.184 | 0.23    |      |      |
| 1H | 13-449.459 | 7.176 | -15.309 | 4.62 | 4.62  | 3.08 | 3.08 | 34.916 | 74.273  | 0.22    |      |      |
| 1I | 13-477.162 | 8.615 | 25.436  | 4.62 | 4.62  | 3.08 | 3.08 | 38.892 | 108.097 | 0.24    |      |      |
| 1J | 13-477.162 | 8.615 | -11.530 | 4.62 | 4.62  | 3.08 | 3.08 | 38.892 | 54.756  | 0.23    |      |      |

|    |             |        |         |      |      |      |      |        |         |      |
|----|-------------|--------|---------|------|------|------|------|--------|---------|------|
| 1K | 13-477.162  | 7.049  | 25.436  | 4.62 | 4.62 | 3.08 | 3.08 | 32.572 | 108.097 | 0.24 |
| 1L | 13-477.162  | 7.049  | -11.530 | 4.62 | 4.62 | 3.08 | 3.08 | 32.572 | 54.756  | 0.23 |
| 1M | 13-450.530  | 8.615  | 25.436  | 4.62 | 4.62 | 3.08 | 3.08 | 40.870 | 113.220 | 0.22 |
| 1N | 13-450.530  | 8.615  | -11.530 | 4.62 | 4.62 | 3.08 | 3.08 | 40.870 | 57.570  | 0.22 |
| 1O | 13-450.530  | 7.049  | 25.436  | 4.62 | 4.62 | 3.08 | 3.08 | 34.290 | 113.220 | 0.22 |
| 1P | 13-450.530  | 7.049  | -11.530 | 4.62 | 4.62 | 3.08 | 3.08 | 34.290 | 57.570  | 0.22 |
| 1A | 25-477.680  | 7.954  | 26.834  | 4.62 | 4.62 | 3.08 | 3.08 | 36.238 | 112.767 | 0.24 |
| 1B | 25-477.680  | 7.954  | -13.972 | 4.62 | 4.62 | 3.08 | 3.08 | 36.238 | 64.935  | 0.23 |
| 1C | 25-477.680  | 6.746  | 26.834  | 4.62 | 4.62 | 3.08 | 3.08 | 31.276 | 112.767 | 0.24 |
| 1D | 25-477.680  | 6.746  | -13.972 | 4.62 | 4.62 | 3.08 | 3.08 | 31.276 | 64.935  | 0.23 |
| 1E | 25-448.906  | 7.954  | 26.834  | 4.62 | 4.62 | 3.08 | 3.08 | 38.265 | 118.352 | 0.23 |
| 1F | 25-448.906  | 7.954  | -13.972 | 4.62 | 4.62 | 3.08 | 3.08 | 38.265 | 68.619  | 0.22 |
| 1G | 25-448.906  | 6.746  | 26.834  | 4.62 | 4.62 | 3.08 | 3.08 | 33.078 | 118.352 | 0.23 |
| 1H | 25-448.906  | 6.746  | -13.972 | 4.62 | 4.62 | 3.08 | 3.08 | 33.078 | 68.619  | 0.22 |
| 1I | 25-476.609  | 8.149  | 23.384  | 4.62 | 4.62 | 3.08 | 3.08 | 37.089 | 100.996 | 0.23 |
| 1J | 25-476.609  | 8.149  | -10.521 | 4.62 | 4.62 | 3.08 | 3.08 | 37.089 | 50.411  | 0.23 |
| 1K | 25-476.609  | 6.552  | 23.384  | 4.62 | 4.62 | 3.08 | 3.08 | 30.637 | 100.996 | 0.23 |
| 1L | 25-476.609  | 6.552  | -10.521 | 4.62 | 4.62 | 3.08 | 3.08 | 30.637 | 50.411  | 0.23 |
| 1M | 25-449.977  | 8.149  | 23.384  | 4.62 | 4.62 | 3.08 | 3.08 | 38.997 | 105.881 | 0.22 |
| 1N | 25-449.977  | 8.149  | -10.521 | 4.62 | 4.62 | 3.08 | 3.08 | 38.997 | 53.140  | 0.22 |
| 1O | 25-449.977  | 6.552  | 23.384  | 4.62 | 4.62 | 3.08 | 3.08 | 32.150 | 105.881 | 0.22 |
| 1P | 25-449.977  | 6.552  | -10.521 | 4.62 | 4.62 | 3.08 | 3.08 | 32.150 | 53.140  | 0.22 |
| 1A | 325-464.394 | -4.824 | -30.321 | 4.62 | 4.62 | 3.08 | 3.08 | 23.687 | 126.606 | 0.24 |
| 1B | 325-464.394 | -4.824 | 18.129  | 4.62 | 4.62 | 3.08 | 3.08 | 23.687 | 83.459  | 0.22 |
| 1C | 325-464.394 | -3.583 | -30.321 | 4.62 | 4.62 | 3.08 | 3.08 | 17.964 | 126.606 | 0.24 |
| 1D | 325-464.394 | -3.583 | 18.129  | 4.62 | 4.62 | 3.08 | 3.08 | 17.964 | 83.459  | 0.22 |
| 1E | 325-435.620 | -4.824 | -30.321 | 4.62 | 4.62 | 3.08 | 3.08 | 25.144 | 132.737 | 0.23 |
| 1F | 325-435.620 | -4.824 | 18.129  | 4.62 | 4.62 | 3.08 | 3.08 | 25.144 | 88.137  | 0.21 |
| 1G | 325-435.620 | -3.583 | -30.321 | 4.62 | 4.62 | 3.08 | 3.08 | 19.098 | 132.737 | 0.23 |
| 1H | 325-435.620 | -3.583 | 18.129  | 4.62 | 4.62 | 3.08 | 3.08 | 19.098 | 88.137  | 0.21 |
| 1I | 325-463.323 | -3.026 | -25.870 | 4.62 | 4.62 | 3.08 | 3.08 | 15.277 | 112.217 | 0.23 |
| 1J | 325-463.323 | -3.026 | 13.677  | 4.62 | 4.62 | 3.08 | 3.08 | 15.277 | 65.471  | 0.22 |
| 1K | 325-463.323 | -5.380 | -25.870 | 4.62 | 4.62 | 3.08 | 3.08 | 26.275 | 112.217 | 0.23 |
| 1L | 325-463.323 | -5.380 | 13.677  | 4.62 | 4.62 | 3.08 | 3.08 | 26.275 | 65.471  | 0.22 |
| 1M | 325-436.691 | -3.026 | -25.870 | 4.62 | 4.62 | 3.08 | 3.08 | 16.191 | 117.514 | 0.22 |
| 1N | 325-436.691 | -3.026 | 13.677  | 4.62 | 4.62 | 3.08 | 3.08 | 16.191 | 69.001  | 0.21 |
| 1O | 325-436.691 | -5.380 | -25.870 | 4.62 | 4.62 | 3.08 | 3.08 | 27.742 | 117.514 | 0.22 |
| 1P | 325-436.691 | -5.380 | 13.677  | 4.62 | 4.62 | 3.08 | 3.08 | 27.742 | 69.001  | 0.21 |
| 1A | 350-463.287 | -5.504 | -34.666 | 4.62 | 4.62 | 3.08 | 3.08 | 26.830 | 139.812 | 0.25 |
| 1B | 350-463.287 | -5.504 | 21.222  | 4.62 | 4.62 | 3.08 | 3.08 | 26.830 | 95.532  | 0.22 |
| 1C | 350-463.287 | -4.058 | -34.666 | 4.62 | 4.62 | 3.08 | 3.08 | 20.276 | 139.812 | 0.25 |
| 1D | 350-463.287 | -4.058 | 21.222  | 4.62 | 4.62 | 3.08 | 3.08 | 20.276 | 95.532  | 0.22 |
| 1E | 350-434.513 | -5.504 | -34.666 | 4.62 | 4.62 | 3.08 | 3.08 | 28.451 | 146.173 | 0.24 |
| 1F | 350-434.513 | -5.504 | 21.222  | 4.62 | 4.62 | 3.08 | 3.08 | 28.451 | 100.617 | 0.21 |
| 1G | 350-434.513 | -4.058 | -34.666 | 4.62 | 4.62 | 3.08 | 3.08 | 21.538 | 146.173 | 0.24 |
| 1H | 350-434.513 | -4.058 | 21.222  | 4.62 | 4.62 | 3.08 | 3.08 | 21.538 | 100.617 | 0.21 |
| 1I | 350-462.216 | -3.572 | -29.556 | 4.62 | 4.62 | 3.08 | 3.08 | 17.995 | 124.636 | 0.24 |
| 1J | 350-462.216 | -3.572 | 16.112  | 4.62 | 4.62 | 3.08 | 3.08 | 17.995 | 75.659  | 0.22 |
| 1K | 350-462.216 | -5.990 | -29.556 | 4.62 | 4.62 | 3.08 | 3.08 | 29.047 | 124.636 | 0.24 |
| 1L | 350-462.216 | -5.990 | 16.112  | 4.62 | 4.62 | 3.08 | 3.08 | 29.047 | 75.659  | 0.22 |
| 1M | 350-435.584 | -3.572 | -29.556 | 4.62 | 4.62 | 3.08 | 3.08 | 19.047 | 130.280 | 0.23 |
| 1N | 350-435.584 | -3.572 | 16.112  | 4.62 | 4.62 | 3.08 | 3.08 | 19.047 | 79.670  | 0.21 |
| 1O | 350-435.584 | -5.990 | -29.556 | 4.62 | 4.62 | 3.08 | 3.08 | 30.646 | 130.280 | 0.23 |
| 1P | 350-435.584 | -5.990 | 16.112  | 4.62 | 4.62 | 3.08 | 3.08 | 30.646 | 79.670  | 0.21 |

ASTA NUM. 20 NI 26 NF 84 SEZ. Rp B= 0.600 H= 0.300 (pilastro)

PIL. NUM. 24

Copriferro: 3.0 cm

| NC | x          | Fx      | My     | Mz   | APOST | AANT | AINF | ASUP    | My.Res. | Mz.Res. | I.R. | Note |
|----|------------|---------|--------|------|-------|------|------|---------|---------|---------|------|------|
|    | cm         | kN      | kN*m   |      | cmq   |      |      |         | kN*m    |         | Fx,M |      |
| 1A | 0-599.251  | 9.030   | -5.976 | 3.08 | 3.08  | 4.62 | 4.62 | 35.337  | 22.797  | 0.29    |      |      |
| 1B | 0-599.251  | 9.030   | -9.056 | 3.08 | 3.08  | 4.62 | 4.62 | 35.337  | 33.243  | 0.29    |      |      |
| 1C | 0-599.251  | -24.242 | -5.976 | 3.08 | 3.08  | 4.62 | 4.62 | 86.040  | 22.797  | 0.29    |      |      |
| 1D | 0-599.251  | -24.242 | -9.056 | 3.08 | 3.08  | 4.62 | 4.62 | 86.040  | 33.243  | 0.29    |      |      |
| 1E | 0-490.949  | 9.030   | -5.976 | 3.08 | 3.08  | 4.62 | 4.62 | 42.536  | 27.438  | 0.24    |      |      |
| 1F | 0-490.949  | 9.030   | -9.056 | 3.08 | 3.08  | 4.62 | 4.62 | 42.536  | 39.622  | 0.24    |      |      |
| 1G | 0-490.949  | -24.242 | -5.976 | 3.08 | 3.08  | 4.62 | 4.62 | 101.532 | 27.438  | 0.24    |      |      |
| 1H | 0-490.949  | -24.242 | -9.056 | 3.08 | 3.08  | 4.62 | 4.62 | 101.532 | 39.622  | 0.24    |      |      |
| 1I | 0-572.693  | 24.812  | -6.837 | 3.08 | 3.08  | 4.62 | 4.62 | 91.183  | 26.951  | 0.28    |      |      |
| 1J | 0-572.693  | 24.812  | -8.195 | 3.08 | 3.08  | 4.62 | 4.62 | 91.183  | 31.651  | 0.28    |      |      |
| 1K | 0-572.693  | -40.024 | -6.837 | 3.08 | 3.08  | 4.62 | 4.62 | 133.130 | 26.951  | 0.30    |      |      |
| 1L | 0-572.693  | -40.024 | -8.195 | 3.08 | 3.08  | 4.62 | 4.62 | 133.130 | 31.651  | 0.30    |      |      |
| 1M | 0-517.507  | 24.812  | -6.837 | 3.08 | 3.08  | 4.62 | 4.62 | 99.214  | 29.559  | 0.25    |      |      |
| 1N | 0-517.507  | 24.812  | -8.195 | 3.08 | 3.08  | 4.62 | 4.62 | 99.214  | 34.662  | 0.25    |      |      |
| 1O | 0-517.507  | -40.024 | -6.837 | 3.08 | 3.08  | 4.62 | 4.62 | 143.080 | 29.559  | 0.28    |      |      |
| 1P | 0-517.507  | -40.024 | -8.195 | 3.08 | 3.08  | 4.62 | 4.62 | 143.080 | 34.662  | 0.28    |      |      |
| 1A | 13-598.701 | 7.807   | -6.107 | 3.08 | 3.08  | 4.62 | 4.62 | 30.861  | 23.288  | 0.29    |      |      |
| 1B | 13-598.701 | 7.807   | -8.721 | 3.08 | 3.08  | 4.62 | 4.62 | 30.861  | 32.162  | 0.29    |      |      |
| 1C | 13-598.701 | -22.787 | -6.107 | 3.08 | 3.08  | 4.62 | 4.62 | 81.660  | 23.288  | 0.29    |      |      |
| 1D | 13-598.701 | -22.787 | -8.721 | 3.08 | 3.08  | 4.62 | 4.62 | 81.660  | 32.162  | 0.29    |      |      |
| 1E | 13-490.399 | 7.807   | -6.107 | 3.08 | 3.08  | 4.62 | 4.62 | 37.229  | 28.016  | 0.24    |      |      |
| 1F | 13-490.399 | 7.807   | -8.721 | 3.08 | 3.08  | 4.62 | 4.62 | 37.229  | 38.384  | 0.24    |      |      |
| 1G | 13-490.399 | -22.787 | -6.107 | 3.08 | 3.08  | 4.62 | 4.62 | 96.673  | 28.016  | 0.24    |      |      |
| 1H | 13-490.399 | -22.787 | -8.721 | 3.08 | 3.08  | 4.62 | 4.62 | 96.673  | 38.384  | 0.24    |      |      |
| 1I | 13-572.143 | 22.311  | -6.839 | 3.08 | 3.08  | 4.62 | 4.62 | 83.382  | 26.984  | 0.28    |      |      |
| 1J | 13-572.143 | 22.311  | -7.989 | 3.08 | 3.08  | 4.62 | 4.62 | 83.382  | 30.954  | 0.28    |      |      |
| 1K | 13-572.143 | -37.291 | -6.839 | 3.08 | 3.08  | 4.62 | 4.62 | 126.440 | 26.984  | 0.29    |      |      |
| 1L | 13-572.143 | -37.291 | -7.989 | 3.08 | 3.08  | 4.62 | 4.62 | 126.440 | 30.954  | 0.29    |      |      |
| 1M | 13-516.957 | 22.311  | -6.839 | 3.08 | 3.08  | 4.62 | 4.62 | 90.887  | 29.597  | 0.25    |      |      |
| 1N | 13-516.957 | 22.311  | -7.989 | 3.08 | 3.08  | 4.62 | 4.62 | 90.887  | 33.915  | 0.25    |      |      |
| 1O | 13-516.957 | -37.291 | -6.839 | 3.08 | 3.08  | 4.62 | 4.62 | 136.214 | 29.597  | 0.27    |      |      |

|    |             |         |        |      |      |      |      |         |        |      |
|----|-------------|---------|--------|------|------|------|------|---------|--------|------|
| 1P | 13-516.957  | -37.291 | -7.989 | 3.08 | 3.08 | 4.62 | 4.62 | 136.214 | 33.915 | 0.27 |
| 1A | 25-598.151  | 7.048   | -5.830 | 3.08 | 3.08 | 4.62 | 4.62 | 27.988  | 22.310 | 0.29 |
| 1B | 25-598.151  | 7.048   | -7.977 | 3.08 | 3.08 | 4.62 | 4.62 | 27.988  | 29.813 | 0.29 |
| 1C | 25-598.151  | -20.867 | -5.830 | 3.08 | 3.08 | 4.62 | 4.62 | 75.714  | 22.310 | 0.29 |
| 1D | 25-598.151  | -20.867 | -7.977 | 3.08 | 3.08 | 4.62 | 4.62 | 75.714  | 29.813 | 0.29 |
| 1E | 25-489.849  | 7.048   | -5.830 | 3.08 | 3.08 | 4.62 | 4.62 | 33.808  | 26.878 | 0.24 |
| 1F | 25-489.849  | 7.048   | -7.977 | 3.08 | 3.08 | 4.62 | 4.62 | 33.808  | 35.533 | 0.24 |
| 1G | 25-489.849  | -20.867 | -5.830 | 3.08 | 3.08 | 4.62 | 4.62 | 89.894  | 26.878 | 0.24 |
| 1H | 25-489.849  | -20.867 | -7.977 | 3.08 | 3.08 | 4.62 | 4.62 | 89.894  | 35.533 | 0.24 |
| 1I | 25-571.593  | 20.274  | -6.434 | 3.08 | 3.08 | 4.62 | 4.62 | 76.818  | 25.528 | 0.28 |
| 1J | 25-571.593  | 20.274  | -7.374 | 3.08 | 3.08 | 4.62 | 4.62 | 76.818  | 28.930 | 0.28 |
| 1K | 25-571.593  | -34.093 | -6.434 | 3.08 | 3.08 | 4.62 | 4.62 | 118.149 | 25.528 | 0.29 |
| 1L | 25-571.593  | -34.093 | -7.374 | 3.08 | 3.08 | 4.62 | 4.62 | 118.149 | 28.930 | 0.29 |
| 1M | 25-516.407  | 20.274  | -6.434 | 3.08 | 3.08 | 4.62 | 4.62 | 83.865  | 28.026 | 0.25 |
| 1N | 25-516.407  | 20.274  | -7.374 | 3.08 | 3.08 | 4.62 | 4.62 | 83.865  | 31.591 | 0.25 |
| 1O | 25-516.407  | -34.093 | -6.434 | 3.08 | 3.08 | 4.62 | 4.62 | 127.661 | 28.026 | 0.27 |
| 1P | 25-516.407  | -34.093 | -7.374 | 3.08 | 3.08 | 4.62 | 4.62 | 127.661 | 31.591 | 0.27 |
| 1A | 325-584.951 | -11.173 | 0.816  | 3.08 | 3.08 | 4.62 | 4.62 | 44.070  | 3.221  | 0.28 |
| 1B | 325-584.951 | -11.173 | 9.858  | 3.08 | 3.08 | 4.62 | 4.62 | 44.070  | 36.620 | 0.28 |
| 1C | 325-584.951 | 25.196  | 0.816  | 3.08 | 3.08 | 4.62 | 4.62 | 90.738  | 3.221  | 0.28 |
| 1D | 325-584.951 | 25.196  | 9.858  | 3.08 | 3.08 | 4.62 | 4.62 | 90.738  | 36.620 | 0.28 |
| 1E | 325-476.649 | -11.173 | 0.816  | 3.08 | 3.08 | 4.62 | 4.62 | 53.260  | 4.006  | 0.23 |
| 1F | 325-476.649 | -11.173 | 9.858  | 3.08 | 3.08 | 4.62 | 4.62 | 53.260  | 43.580 | 0.23 |
| 1G | 325-476.649 | 25.196  | 0.816  | 3.08 | 3.08 | 4.62 | 4.62 | 107.364 | 4.006  | 0.23 |
| 1H | 325-476.649 | 25.196  | 9.858  | 3.08 | 3.08 | 4.62 | 4.62 | 107.364 | 43.580 | 0.23 |
| 1I | 325-558.393 | -28.620 | 3.298  | 3.08 | 3.08 | 4.62 | 4.62 | 104.693 | 13.949 | 0.27 |
| 1J | 325-558.393 | -28.620 | 7.375  | 3.08 | 3.08 | 4.62 | 4.62 | 104.693 | 29.554 | 0.27 |
| 1K | 325-558.393 | 42.643  | 3.298  | 3.08 | 3.08 | 4.62 | 4.62 | 141.827 | 13.949 | 0.30 |
| 1L | 325-558.393 | 42.643  | 7.375  | 3.08 | 3.08 | 4.62 | 4.62 | 141.827 | 29.554 | 0.30 |
| 1M | 325-503.207 | -28.620 | 3.298  | 3.08 | 3.08 | 4.62 | 4.62 | 113.889 | 15.332 | 0.25 |
| 1N | 325-503.207 | -28.620 | 7.375  | 3.08 | 3.08 | 4.62 | 4.62 | 113.889 | 32.343 | 0.25 |
| 1O | 325-503.207 | 42.643  | 3.298  | 3.08 | 3.08 | 4.62 | 4.62 | 152.208 | 15.332 | 0.28 |
| 1P | 325-503.207 | 42.643  | 7.375  | 3.08 | 3.08 | 4.62 | 4.62 | 152.208 | 32.343 | 0.28 |
| 1A | 350-583.851 | -13.155 | 0.962  | 3.08 | 3.08 | 4.62 | 4.62 | 51.367  | 3.876  | 0.28 |
| 1B | 350-583.851 | -13.155 | 10.936 | 3.08 | 3.08 | 4.62 | 4.62 | 51.367  | 40.151 | 0.28 |
| 1C | 350-583.851 | 28.571  | 0.962  | 3.08 | 3.08 | 4.62 | 4.62 | 100.780 | 3.876  | 0.28 |
| 1D | 350-583.851 | 28.571  | 10.936 | 3.08 | 3.08 | 4.62 | 4.62 | 100.780 | 40.151 | 0.28 |
| 1E | 350-475.549 | -13.155 | 0.962  | 3.08 | 3.08 | 4.62 | 4.62 | 61.771  | 4.763  | 0.23 |
| 1F | 350-475.549 | -13.155 | 10.936 | 3.08 | 3.08 | 4.62 | 4.62 | 61.771  | 47.681 | 0.23 |
| 1G | 350-475.549 | 28.571  | 0.962  | 3.08 | 3.08 | 4.62 | 4.62 | 118.822 | 4.763  | 0.24 |
| 1H | 350-475.549 | 28.571  | 10.936 | 3.08 | 3.08 | 4.62 | 4.62 | 118.822 | 47.681 | 0.24 |
| 1I | 350-557.293 | -33.158 | 3.701  | 3.08 | 3.08 | 4.62 | 4.62 | 117.919 | 15.532 | 0.28 |
| 1J | 350-557.293 | -33.158 | 8.197  | 3.08 | 3.08 | 4.62 | 4.62 | 117.919 | 32.445 | 0.28 |
| 1K | 350-557.293 | 48.574  | 3.701  | 3.08 | 3.08 | 4.62 | 4.62 | 155.025 | 15.532 | 0.31 |
| 1L | 350-557.293 | 48.574  | 8.197  | 3.08 | 3.08 | 4.62 | 4.62 | 155.025 | 32.445 | 0.31 |
| 1M | 350-502.107 | -33.158 | 3.701  | 3.08 | 3.08 | 4.62 | 4.62 | 127.687 | 17.195 | 0.26 |
| 1N | 350-502.107 | -33.158 | 8.197  | 3.08 | 3.08 | 4.62 | 4.62 | 127.687 | 35.608 | 0.26 |
| 1O | 350-502.107 | 48.574  | 3.701  | 3.08 | 3.08 | 4.62 | 4.62 | 165.217 | 17.195 | 0.29 |
| 1P | 350-502.107 | 48.574  | 8.197  | 3.08 | 3.08 | 4.62 | 4.62 | 165.217 | 35.608 | 0.29 |

ASTA NUM. 27 NI 12 NF 91 SEZ. Rp B= 0.400 H= 0.600 (pilastro)

PIL. NUM. 15

Copriferro: 3.0 cm

| NC | x          | Fx      | My     | Mz   | APOST | AANT | AINF | ASUP   | My.Res. | Mz.Res. | I.R. | Note |
|----|------------|---------|--------|------|-------|------|------|--------|---------|---------|------|------|
|    | cm         | kN      | kN*m   |      | cmq   |      |      |        | kN*m    |         | Fx,M |      |
| 1A | 0-771.910  | -11.177 | 33.572 | 4.62 | 4.62  | 3.08 | 3.08 | 42.798 | 118.232 | 0.29    |      |      |
| 1B | 0-771.910  | -11.177 | -0.058 | 4.62 | 4.62  | 3.08 | 3.08 | 42.798 | 0.000   | 0.29    |      |      |
| 1C | 0-771.910  | -13.424 | 33.572 | 4.62 | 4.62  | 3.08 | 3.08 | 50.477 | 118.232 | 0.29    |      |      |
| 1D | 0-771.910  | -13.424 | -0.058 | 4.62 | 4.62  | 3.08 | 3.08 | 50.477 | 0.000   | 0.29    |      |      |
| 1E | 0-703.890  | -11.177 | 33.572 | 4.62 | 4.62  | 3.08 | 3.08 | 46.448 | 127.664 | 0.26    |      |      |
| 1F | 0-703.890  | -11.177 | -0.058 | 4.62 | 4.62  | 3.08 | 3.08 | 46.448 | 0.000   | 0.26    |      |      |
| 1G | 0-703.890  | -13.424 | 33.572 | 4.62 | 4.62  | 3.08 | 3.08 | 54.853 | 127.664 | 0.26    |      |      |
| 1H | 0-703.890  | -13.424 | -0.058 | 4.62 | 4.62  | 3.08 | 3.08 | 54.853 | 0.000   | 0.26    |      |      |
| 1I | 0-770.944  | -9.836  | 27.639 | 4.62 | 4.62  | 3.08 | 3.08 | 38.047 | 100.235 | 0.29    |      |      |
| 1J | 0-770.944  | -9.836  | 5.875  | 4.62 | 4.62  | 3.08 | 3.08 | 38.047 | 23.774  | 0.29    |      |      |
| 1K | 0-770.944  | -14.765 | 27.639 | 4.62 | 4.62  | 3.08 | 3.08 | 55.060 | 100.235 | 0.29    |      |      |
| 1L | 0-770.944  | -14.765 | 5.875  | 4.62 | 4.62  | 3.08 | 3.08 | 55.060 | 23.774  | 0.29    |      |      |
| 1M | 0-704.856  | -9.836  | 27.639 | 4.62 | 4.62  | 3.08 | 3.08 | 41.362 | 108.294 | 0.26    |      |      |
| 1N | 0-704.856  | -9.836  | 5.875  | 4.62 | 4.62  | 3.08 | 3.08 | 41.362 | 25.869  | 0.26    |      |      |
| 1O | 0-704.856  | -14.765 | 27.639 | 4.62 | 4.62  | 3.08 | 3.08 | 59.624 | 108.294 | 0.26    |      |      |
| 1P | 0-704.856  | -14.765 | 5.875  | 4.62 | 4.62  | 3.08 | 3.08 | 59.624 | 25.869  | 0.26    |      |      |
| 1A | 13-771.174 | -11.012 | 31.962 | 4.62 | 4.62  | 3.08 | 3.08 | 42.251 | 113.526 | 0.29    |      |      |
| 1B | 13-771.174 | -11.012 | 1.029  | 4.62 | 4.62  | 3.08 | 3.08 | 42.251 | 4.022   | 0.29    |      |      |
| 1C | 13-771.174 | -13.250 | 31.962 | 4.62 | 4.62  | 3.08 | 3.08 | 49.923 | 113.526 | 0.29    |      |      |
| 1D | 13-771.174 | -13.250 | 1.029  | 4.62 | 4.62  | 3.08 | 3.08 | 49.923 | 4.022   | 0.29    |      |      |
| 1E | 13-703.154 | -11.012 | 31.962 | 4.62 | 4.62  | 3.08 | 3.08 | 45.858 | 122.679 | 0.26    |      |      |
| 1F | 13-703.154 | -11.012 | 1.029  | 4.62 | 4.62  | 3.08 | 3.08 | 45.858 | 4.418   | 0.26    |      |      |
| 1G | 13-703.154 | -13.250 | 31.962 | 4.62 | 4.62  | 3.08 | 3.08 | 54.264 | 122.679 | 0.26    |      |      |
| 1H | 13-703.154 | -13.250 | 1.029  | 4.62 | 4.62  | 3.08 | 3.08 | 54.264 | 4.418   | 0.26    |      |      |
| 1I | 13-770.208 | -9.679  | 26.505 | 4.62 | 4.62  | 3.08 | 3.08 | 37.511 | 96.878  | 0.29    |      |      |
| 1J | 13-770.208 | -9.679  | 6.486  | 4.62 | 4.62  | 3.08 | 3.08 | 37.511 | 26.137  | 0.29    |      |      |
| 1K | 13-770.208 | -14.582 | 26.505 | 4.62 | 4.62  | 3.08 | 3.08 | 54.495 | 96.878  | 0.29    |      |      |
| 1L | 13-770.208 | -14.582 | 6.486  | 4.62 | 4.62  | 3.08 | 3.08 | 54.495 | 26.137  | 0.29    |      |      |
| 1M | 13-704.120 | -9.679  | 26.505 | 4.62 | 4.62  | 3.08 | 3.08 | 40.789 | 104.560 | 0.26    |      |      |
| 1N | 13-704.120 | -9.679  | 6.486  | 4.62 | 4.62  | 3.08 | 3.08 | 40.789 | 28.562  | 0.26    |      |      |
| 1O | 13-704.120 | -14.582 | 26.505 | 4.62 | 4.62  | 3.08 | 3.08 | 59.025 | 104.560 | 0.26    |      |      |
| 1P | 13-704.120 | -14.582 | 6.486  | 4.62 | 4.62  | 3.08 | 3.08 | 59.025 | 28.562  | 0.26    |      |      |
| 1A | 25-770.439 | -10.167 | 29.310 | 4.62 | 4.62  | 3.08 | 3.08 | 39.267 | 105.518 | 0.29    |      |      |
| 1B | 25-770.439 | -10.167 | 1.073  | 4.62 | 4.62  | 3.08 | 3.08 | 39.267 | 4.221   | 0.29    |      |      |
| 1C | 25-770.439 | -12.396 | 29.310 | 4.62 | 4.62  | 3.08 | 3.08 | 47.014 | 105.518 | 0.29    |      |      |

|    |            |         |        |      |      |      |      |        |         |      |
|----|------------|---------|--------|------|------|------|------|--------|---------|------|
| 1D | 25-770.439 | -12.396 | 1.073  | 4.62 | 4.62 | 3.08 | 3.08 | 47.014 | 4.221   | 0.29 |
| 1E | 25-702.419 | -10.167 | 29.310 | 4.62 | 4.62 | 3.08 | 3.08 | 42.783 | 114.177 | 0.26 |
| 1F | 25-702.419 | -10.167 | 1.073  | 4.62 | 4.62 | 3.08 | 3.08 | 42.783 | 4.636   | 0.26 |
| 1G | 25-702.419 | -12.396 | 29.310 | 4.62 | 4.62 | 3.08 | 3.08 | 51.151 | 114.177 | 0.26 |
| 1H | 25-702.419 | -12.396 | 1.073  | 4.62 | 4.62 | 3.08 | 3.08 | 51.151 | 4.636   | 0.26 |
| 1I | 25-769.473 | -8.843  | 24.328 | 4.62 | 4.62 | 3.08 | 3.08 | 34.474 | 89.951  | 0.29 |
| 1J | 25-769.473 | -8.843  | 6.055  | 4.62 | 4.62 | 3.08 | 3.08 | 34.474 | 24.543  | 0.29 |
| 1K | 25-769.473 | -13.720 | 24.328 | 4.62 | 4.62 | 3.08 | 3.08 | 51.630 | 89.951  | 0.29 |
| 1L | 25-769.473 | -13.720 | 6.055  | 4.62 | 4.62 | 3.08 | 3.08 | 51.630 | 24.543  | 0.29 |
| 1M | 25-703.385 | -8.843  | 24.328 | 4.62 | 4.62 | 3.08 | 3.08 | 37.525 | 97.305  | 0.26 |
| 1N | 25-703.385 | -8.843  | 6.055  | 4.62 | 4.62 | 3.08 | 3.08 | 37.525 | 26.712  | 0.26 |
| 1O | 25-703.385 | -13.720 | 24.328 | 4.62 | 4.62 | 3.08 | 3.08 | 55.967 | 97.305  | 0.26 |
| 1P | 25-703.385 | -13.720 | 6.055  | 4.62 | 4.62 | 3.08 | 3.08 | 55.967 | 26.712  | 0.26 |

|    |             |        |         |      |      |      |      |        |         |      |
|----|-------------|--------|---------|------|------|------|------|--------|---------|------|
| 1A | 325-752.781 | 10.106 | -34.344 | 4.62 | 4.62 | 3.08 | 3.08 | 39.902 | 123.054 | 0.28 |
| 1B | 325-752.781 | 10.106 | 2.121   | 4.62 | 4.62 | 3.08 | 3.08 | 39.902 | 8.790   | 0.28 |
| 1C | 325-752.781 | 8.097  | -34.344 | 4.62 | 4.62 | 3.08 | 3.08 | 32.363 | 123.054 | 0.28 |
| 1D | 325-752.781 | 8.097  | 2.121   | 4.62 | 4.62 | 3.08 | 3.08 | 32.363 | 8.790   | 0.28 |
| 1E | 325-684.761 | 10.106 | -34.344 | 4.62 | 4.62 | 3.08 | 3.08 | 43.558 | 132.911 | 0.26 |
| 1F | 325-684.761 | 10.106 | 2.121   | 4.62 | 4.62 | 3.08 | 3.08 | 43.558 | 9.701   | 0.26 |
| 1G | 325-684.761 | 8.097  | -34.344 | 4.62 | 4.62 | 3.08 | 3.08 | 35.417 | 132.911 | 0.26 |
| 1H | 325-684.761 | 8.097  | 2.121   | 4.62 | 4.62 | 3.08 | 3.08 | 35.417 | 9.701   | 0.26 |
| 1I | 325-751.815 | 11.227 | -27.920 | 4.62 | 4.62 | 3.08 | 3.08 | 43.884 | 103.346 | 0.28 |
| 1J | 325-751.815 | 11.227 | -4.303  | 4.62 | 4.62 | 3.08 | 3.08 | 43.884 | 17.926  | 0.28 |
| 1K | 325-751.815 | 6.976  | -27.920 | 4.62 | 4.62 | 3.08 | 3.08 | 28.225 | 103.346 | 0.28 |
| 1L | 325-751.815 | 6.976  | -4.303  | 4.62 | 4.62 | 3.08 | 3.08 | 28.225 | 17.926  | 0.28 |
| 1M | 325-685.727 | 11.227 | -27.920 | 4.62 | 4.62 | 3.08 | 3.08 | 47.773 | 111.826 | 0.26 |
| 1N | 325-685.727 | 11.227 | -4.303  | 4.62 | 4.62 | 3.08 | 3.08 | 47.773 | 19.560  | 0.26 |
| 1O | 325-685.727 | 6.976  | -27.920 | 4.62 | 4.62 | 3.08 | 3.08 | 30.824 | 111.826 | 0.26 |
| 1P | 325-685.727 | 6.976  | -4.303  | 4.62 | 4.62 | 3.08 | 3.08 | 30.824 | 19.560  | 0.26 |

|    |             |        |         |      |      |      |      |        |         |      |
|----|-------------|--------|---------|------|------|------|------|--------|---------|------|
| 1A | 350-751.310 | 11.116 | -38.606 | 4.62 | 4.62 | 3.08 | 3.08 | 43.659 | 135.574 | 0.28 |
| 1B | 350-751.310 | 11.116 | 3.252   | 4.62 | 4.62 | 3.08 | 3.08 | 43.659 | 13.537  | 0.28 |
| 1C | 350-751.310 | 9.125  | -38.606 | 4.62 | 4.62 | 3.08 | 3.08 | 36.326 | 135.574 | 0.28 |
| 1D | 350-751.310 | 9.125  | 3.252   | 4.62 | 4.62 | 3.08 | 3.08 | 36.326 | 13.537  | 0.28 |
| 1E | 350-683.290 | 11.116 | -38.606 | 4.62 | 4.62 | 3.08 | 3.08 | 47.496 | 146.412 | 0.26 |
| 1F | 350-683.290 | 11.116 | 3.252   | 4.62 | 4.62 | 3.08 | 3.08 | 47.496 | 14.936  | 0.26 |
| 1G | 350-683.290 | 9.125  | -38.606 | 4.62 | 4.62 | 3.08 | 3.08 | 39.706 | 146.412 | 0.26 |
| 1H | 350-683.290 | 9.125  | 3.252   | 4.62 | 4.62 | 3.08 | 3.08 | 39.706 | 14.936  | 0.26 |
| 1I | 350-750.344 | 12.220 | -31.231 | 4.62 | 4.62 | 3.08 | 3.08 | 47.542 | 113.934 | 0.28 |
| 1J | 350-750.344 | 12.220 | -4.123  | 4.62 | 4.62 | 3.08 | 3.08 | 47.542 | 17.199  | 0.28 |
| 1K | 350-750.344 | 8.021  | -31.231 | 4.62 | 4.62 | 3.08 | 3.08 | 32.173 | 113.934 | 0.28 |
| 1L | 350-750.344 | 8.021  | -4.123  | 4.62 | 4.62 | 3.08 | 3.08 | 32.173 | 17.199  | 0.28 |
| 1M | 350-684.256 | 12.220 | -31.231 | 4.62 | 4.62 | 3.08 | 3.08 | 51.706 | 123.098 | 0.26 |
| 1N | 350-684.256 | 12.220 | -4.123  | 4.62 | 4.62 | 3.08 | 3.08 | 51.706 | 18.882  | 0.26 |
| 1O | 350-684.256 | 8.021  | -31.231 | 4.62 | 4.62 | 3.08 | 3.08 | 35.129 | 123.098 | 0.26 |
| 1P | 350-684.256 | 8.021  | -4.123  | 4.62 | 4.62 | 3.08 | 3.08 | 35.129 | 18.882  | 0.26 |

ASTA NUM. 28 NI 10 NF 92 SEZ. Rp B= 0.400 H= 0.600 (pilastro)

PIL. NUM. 14

Copriferro: 3.0 cm

| NC | x          | Fx      | My      | Mz   | APOST | AANT | AINF | ASUP   | My.Res. | Mz.Res. | I.R.  | Note |
|----|------------|---------|---------|------|-------|------|------|--------|---------|---------|-------|------|
|    | cm         | kN      | kN*m    |      | cmq   |      |      |        | kN*m    |         | Fx, M |      |
| 1A | 0-737.118  | -7.520  | 7.634   | 4.62 | 4.62  | 3.08 | 3.08 | 30.908 | 32.032  | 0.28    |       |      |
| 1B | 0-737.118  | -7.520  | -19.042 | 4.62 | 4.62  | 3.08 | 3.08 | 30.908 | 75.077  | 0.28    |       |      |
| 1C | 0-737.118  | -11.758 | 7.634   | 4.62 | 4.62  | 3.08 | 3.08 | 46.642 | 32.032  | 0.28    |       |      |
| 1D | 0-737.118  | -11.758 | -19.042 | 4.62 | 4.62  | 3.08 | 3.08 | 46.642 | 75.077  | 0.28    |       |      |
| 1E | 0-602.282  | -7.520  | 7.634   | 4.62 | 4.62  | 3.08 | 3.08 | 37.285 | 38.838  | 0.23    |       |      |
| 1F | 0-602.282  | -7.520  | -19.042 | 4.62 | 4.62  | 3.08 | 3.08 | 37.285 | 89.953  | 0.23    |       |      |
| 1G | 0-602.282  | -11.758 | 7.634   | 4.62 | 4.62  | 3.08 | 3.08 | 56.008 | 38.838  | 0.23    |       |      |
| 1H | 0-602.282  | -11.758 | -19.042 | 4.62 | 4.62  | 3.08 | 3.08 | 56.008 | 89.953  | 0.23    |       |      |
| 1I | 0-739.029  | -5.149  | 3.874   | 4.62 | 4.62  | 3.08 | 3.08 | 21.459 | 16.388  | 0.28    |       |      |
| 1J | 0-739.029  | -5.149  | -15.282 | 4.62 | 4.62  | 3.08 | 3.08 | 21.459 | 61.366  | 0.28    |       |      |
| 1K | 0-739.029  | -14.129 | 3.874   | 4.62 | 4.62  | 3.08 | 3.08 | 54.974 | 16.388  | 0.28    |       |      |
| 1L | 0-739.029  | -14.129 | -15.282 | 4.62 | 4.62  | 3.08 | 3.08 | 54.974 | 61.366  | 0.28    |       |      |
| 1M | 0-600.371  | -5.149  | 3.874   | 4.62 | 4.62  | 3.08 | 3.08 | 26.153 | 20.123  | 0.23    |       |      |
| 1N | 0-600.371  | -5.149  | -15.282 | 4.62 | 4.62  | 3.08 | 3.08 | 26.153 | 74.074  | 0.23    |       |      |
| 1O | 0-600.371  | -14.129 | 3.874   | 4.62 | 4.62  | 3.08 | 3.08 | 65.901 | 20.123  | 0.23    |       |      |
| 1P | 0-600.371  | -14.129 | -15.282 | 4.62 | 4.62  | 3.08 | 3.08 | 65.901 | 74.074  | 0.23    |       |      |
| 1A | 13-736.382 | -7.424  | 6.656   | 4.62 | 4.62  | 3.08 | 3.08 | 30.561 | 28.033  | 0.28    |       |      |
| 1B | 13-736.382 | -7.424  | -17.918 | 4.62 | 4.62  | 3.08 | 3.08 | 30.561 | 71.256  | 0.28    |       |      |
| 1C | 13-736.382 | -11.589 | 6.656   | 4.62 | 4.62  | 3.08 | 3.08 | 46.066 | 28.033  | 0.28    |       |      |
| 1D | 13-736.382 | -11.589 | -17.918 | 4.62 | 4.62  | 3.08 | 3.08 | 46.066 | 71.256  | 0.28    |       |      |
| 1E | 13-601.546 | -7.424  | 6.656   | 4.62 | 4.62  | 3.08 | 3.08 | 36.879 | 34.041  | 0.23    |       |      |
| 1F | 13-601.546 | -7.424  | -17.918 | 4.62 | 4.62  | 3.08 | 3.08 | 36.879 | 85.329  | 0.23    |       |      |
| 1G | 13-601.546 | -11.589 | 6.656   | 4.62 | 4.62  | 3.08 | 3.08 | 55.349 | 34.041  | 0.23    |       |      |
| 1H | 13-601.546 | -11.589 | -17.918 | 4.62 | 4.62  | 3.08 | 3.08 | 55.349 | 85.329  | 0.23    |       |      |
| 1I | 13-738.293 | -5.088  | 3.206   | 4.62 | 4.62  | 3.08 | 3.08 | 21.233 | 13.583  | 0.28    |       |      |
| 1J | 13-738.293 | -5.088  | -14.468 | 4.62 | 4.62  | 3.08 | 3.08 | 21.233 | 58.370  | 0.28    |       |      |
| 1K | 13-738.293 | -13.924 | 3.206   | 4.62 | 4.62  | 3.08 | 3.08 | 54.307 | 13.583  | 0.28    |       |      |
| 1L | 13-738.293 | -13.924 | -14.468 | 4.62 | 4.62  | 3.08 | 3.08 | 54.307 | 58.370  | 0.28    |       |      |
| 1M | 13-599.635 | -5.088  | 3.206   | 4.62 | 4.62  | 3.08 | 3.08 | 25.886 | 16.722  | 0.23    |       |      |
| 1N | 13-599.635 | -5.088  | -14.468 | 4.62 | 4.62  | 3.08 | 3.08 | 25.886 | 70.710  | 0.23    |       |      |
| 1O | 13-599.635 | -13.924 | 3.206   | 4.62 | 4.62  | 3.08 | 3.08 | 65.134 | 16.722  | 0.23    |       |      |
| 1P | 13-599.635 | -13.924 | -14.468 | 4.62 | 4.62  | 3.08 | 3.08 | 65.134 | 70.710  | 0.23    |       |      |
| 1A | 25-735.647 | -6.797  | 5.970   | 4.62 | 4.62  | 3.08 | 3.08 | 28.110 | 25.188  | 0.28    |       |      |
| 1B | 25-735.647 | -6.797  | -16.502 | 4.62 | 4.62  | 3.08 | 3.08 | 28.110 | 66.155  | 0.28    |       |      |
| 1C | 25-735.647 | -10.888 | 5.970   | 4.62 | 4.62  | 3.08 | 3.08 | 43.672 | 25.188  | 0.28    |       |      |
| 1D | 25-735.647 | -10.888 | -16.502 | 4.62 | 4.62  | 3.08 | 3.08 | 43.672 | 66.155  | 0.28    |       |      |
| 1E | 25-600.811 | -6.797  | 5.970   | 4.62 | 4.62  | 3.08 | 3.08 | 33.962 | 30.763  | 0.23    |       |      |
| 1F | 25-600.811 | -6.797  | -16.502 | 4.62 | 4.62  | 3.08 | 3.08 | 33.962 | 79.356  | 0.23    |       |      |
| 1G | 25-600.811 | -10.888 | 5.970   | 4.62 | 4.62  | 3.08 | 3.08 | 52.394 | 30.763  | 0.23    |       |      |
| 1H | 25-600.811 | -10.888 | -16.502 | 4.62 | 4.62  | 3.08 | 3.08 | 52.394 | 79.356  | 0.23    |       |      |



|    |             |         |         |      |      |      |      |        |        |      |
|----|-------------|---------|---------|------|------|------|------|--------|--------|------|
| 1I | 25-737.558  | -4.497  | 2.829   | 4.62 | 4.62 | 3.08 | 3.08 | 18.806 | 12.017 | 0.28 |
| 1J | 25-737.558  | -4.497  | -13.362 | 4.62 | 4.62 | 3.08 | 3.08 | 18.806 | 54.375 | 0.28 |
| 1K | 25-737.558  | -13.188 | 2.829   | 4.62 | 4.62 | 3.08 | 3.08 | 51.762 | 12.017 | 0.28 |
| 1L | 25-737.558  | -13.188 | -13.362 | 4.62 | 4.62 | 3.08 | 3.08 | 51.762 | 54.375 | 0.28 |
| 1M | 25-598.900  | -4.497  | 2.829   | 4.62 | 4.62 | 3.08 | 3.08 | 23.090 | 14.825 | 0.23 |
| 1N | 25-598.900  | -4.497  | -13.362 | 4.62 | 4.62 | 3.08 | 3.08 | 23.090 | 65.824 | 0.23 |
| 1O | 25-598.900  | -13.188 | 2.829   | 4.62 | 4.62 | 3.08 | 3.08 | 62.162 | 14.825 | 0.23 |
| 1P | 25-598.900  | -13.188 | -13.362 | 4.62 | 4.62 | 3.08 | 3.08 | 62.162 | 65.824 | 0.23 |
| 1A | 325-717.989 | 8.257   | -10.499 | 4.62 | 4.62 | 3.08 | 3.08 | 34.496 | 44.399 | 0.27 |
| 1B | 325-717.989 | 8.257   | 17.483  | 4.62 | 4.62 | 3.08 | 3.08 | 34.496 | 71.303 | 0.27 |
| 1C | 325-717.989 | 5.918   | -10.499 | 4.62 | 4.62 | 3.08 | 3.08 | 25.164 | 44.399 | 0.27 |
| 1D | 325-717.989 | 5.918   | 17.483  | 4.62 | 4.62 | 3.08 | 3.08 | 25.164 | 71.303 | 0.27 |
| 1E | 325-583.153 | 8.257   | -10.499 | 4.62 | 4.62 | 3.08 | 3.08 | 41.922 | 54.061 | 0.22 |
| 1F | 325-583.153 | 8.257   | 17.483  | 4.62 | 4.62 | 3.08 | 3.08 | 41.922 | 85.821 | 0.22 |
| 1G | 325-583.153 | 5.918   | -10.499 | 4.62 | 4.62 | 3.08 | 3.08 | 30.754 | 54.061 | 0.22 |
| 1H | 325-583.153 | 5.918   | 17.483  | 4.62 | 4.62 | 3.08 | 3.08 | 30.754 | 85.821 | 0.22 |
| 1I | 325-719.900 | 9.696   | -6.203  | 4.62 | 4.62 | 3.08 | 3.08 | 40.022 | 26.739 | 0.27 |
| 1J | 325-719.900 | 9.696   | 13.188  | 4.62 | 4.62 | 3.08 | 3.08 | 40.022 | 54.944 | 0.27 |
| 1K | 325-719.900 | 4.479   | -6.203  | 4.62 | 4.62 | 3.08 | 3.08 | 19.190 | 26.739 | 0.27 |
| 1L | 325-719.900 | 4.479   | 13.188  | 4.62 | 4.62 | 3.08 | 3.08 | 19.190 | 54.944 | 0.27 |
| 1M | 325-581.242 | 9.696   | -6.203  | 4.62 | 4.62 | 3.08 | 3.08 | 48.597 | 32.858 | 0.22 |
| 1N | 325-581.242 | 9.696   | 13.188  | 4.62 | 4.62 | 3.08 | 3.08 | 48.597 | 66.848 | 0.22 |
| 1O | 325-581.242 | 4.479   | -6.203  | 4.62 | 4.62 | 3.08 | 3.08 | 23.554 | 32.858 | 0.22 |
| 1P | 325-581.242 | 4.479   | 13.188  | 4.62 | 4.62 | 3.08 | 3.08 | 23.554 | 66.848 | 0.22 |
| 1A | 350-716.518 | 8.980   | -12.163 | 4.62 | 4.62 | 3.08 | 3.08 | 37.416 | 51.157 | 0.27 |
| 1B | 350-716.518 | 8.980   | 20.024  | 4.62 | 4.62 | 3.08 | 3.08 | 37.416 | 80.599 | 0.27 |
| 1C | 350-716.518 | 6.788   | -12.163 | 4.62 | 4.62 | 3.08 | 3.08 | 28.794 | 51.157 | 0.27 |
| 1D | 350-716.518 | 6.788   | 20.024  | 4.62 | 4.62 | 3.08 | 3.08 | 28.794 | 80.599 | 0.27 |
| 1E | 350-581.682 | 8.980   | -12.163 | 4.62 | 4.62 | 3.08 | 3.08 | 45.257 | 62.004 | 0.22 |
| 1F | 350-581.682 | 8.980   | 20.024  | 4.62 | 4.62 | 3.08 | 3.08 | 45.257 | 96.904 | 0.22 |
| 1G | 350-581.682 | 6.788   | -12.163 | 4.62 | 4.62 | 3.08 | 3.08 | 34.978 | 62.004 | 0.22 |
| 1H | 350-581.682 | 6.788   | 20.024  | 4.62 | 4.62 | 3.08 | 3.08 | 34.978 | 96.904 | 0.22 |
| 1I | 350-718.429 | 10.348  | -7.248  | 4.62 | 4.62 | 3.08 | 3.08 | 42.590 | 31.223 | 0.27 |
| 1J | 350-718.429 | 10.348  | 15.108  | 4.62 | 4.62 | 3.08 | 3.08 | 42.590 | 62.331 | 0.27 |
| 1K | 350-718.429 | 5.420   | -7.248  | 4.62 | 4.62 | 3.08 | 3.08 | 23.067 | 31.223 | 0.27 |
| 1L | 350-718.429 | 5.420   | 15.108  | 4.62 | 4.62 | 3.08 | 3.08 | 23.067 | 62.331 | 0.27 |
| 1M | 350-579.771 | 10.348  | -7.248  | 4.62 | 4.62 | 3.08 | 3.08 | 51.676 | 38.323 | 0.22 |
| 1N | 350-579.771 | 10.348  | 15.108  | 4.62 | 4.62 | 3.08 | 3.08 | 51.676 | 75.671 | 0.22 |
| 1O | 350-579.771 | 5.420   | -7.248  | 4.62 | 4.62 | 3.08 | 3.08 | 28.431 | 38.323 | 0.22 |
| 1P | 350-579.771 | 5.420   | 15.108  | 4.62 | 4.62 | 3.08 | 3.08 | 28.431 | 75.671 | 0.22 |

ASTA NUM. 29 NI 8 NF 93 SEZ. Rp B= 0.400 H= 0.600 (pilastro)

PILL. NUM. 20

Copriferro: 3.0 cm

| NC | x          | Fx    | My      | Mz   | APOST | AANT | AINF | ASUP   | My.Res. | Mz.Res. | I.R.  | Note |
|----|------------|-------|---------|------|-------|------|------|--------|---------|---------|-------|------|
|    | cm         | kN    | kN*m    |      |       | cmq  |      |        | kN*m    |         | Fx, M |      |
| 1A | 0-390.470  | 3.710 | 40.003  | 4.62 | 4.62  | 3.08 | 3.08 | 28.876 | 219.580 | 0.18    |       |      |
| 1B | 0-390.470  | 3.710 | -15.777 | 4.62 | 4.62  | 3.08 | 3.08 | 28.876 | 111.100 | 0.15    |       |      |
| 1C | 0-390.470  | 1.977 | 40.003  | 4.62 | 4.62  | 3.08 | 3.08 | 15.715 | 219.580 | 0.18    |       |      |
| 1D | 0-390.470  | 1.977 | -15.777 | 4.62 | 4.62  | 3.08 | 3.08 | 15.715 | 111.100 | 0.15    |       |      |
| 1E | 0-347.730  | 3.710 | 40.003  | 4.62 | 4.62  | 3.08 | 3.08 | 32.114 | 233.190 | 0.17    |       |      |
| 1F | 0-347.730  | 3.710 | -15.777 | 4.62 | 4.62  | 3.08 | 3.08 | 32.114 | 122.490 | 0.13    |       |      |
| 1G | 0-347.730  | 1.977 | 40.003  | 4.62 | 4.62  | 3.08 | 3.08 | 17.527 | 233.190 | 0.17    |       |      |
| 1H | 0-347.730  | 1.977 | -15.777 | 4.62 | 4.62  | 3.08 | 3.08 | 17.527 | 122.490 | 0.13    |       |      |
| 1I | 0-384.369  | 4.506 | 29.034  | 4.62 | 4.62  | 3.08 | 3.08 | 35.128 | 181.530 | 0.16    |       |      |
| 1J | 0-384.369  | 4.506 | -4.808  | 4.62 | 4.62  | 3.08 | 3.08 | 35.128 | 38.345  | 0.14    |       |      |
| 1K | 0-384.369  | 1.181 | 29.034  | 4.62 | 4.62  | 3.08 | 3.08 | 9.543  | 181.530 | 0.16    |       |      |
| 1L | 0-384.369  | 1.181 | -4.808  | 4.62 | 4.62  | 3.08 | 3.08 | 9.543  | 38.345  | 0.14    |       |      |
| 1M | 0-353.831  | 4.506 | 29.034  | 4.62 | 4.62  | 3.08 | 3.08 | 37.979 | 192.028 | 0.15    |       |      |
| 1N | 0-353.831  | 4.506 | -4.808  | 4.62 | 4.62  | 3.08 | 3.08 | 37.979 | 41.517  | 0.13    |       |      |
| 1O | 0-353.831  | 1.181 | 29.034  | 4.62 | 4.62  | 3.08 | 3.08 | 10.416 | 192.028 | 0.15    |       |      |
| 1P | 0-353.831  | 1.181 | -4.808  | 4.62 | 4.62  | 3.08 | 3.08 | 10.416 | 41.517  | 0.13    |       |      |
| 1A | 13-389.734 | 3.687 | 37.756  | 4.62 | 4.62  | 3.08 | 3.08 | 28.756 | 212.763 | 0.18    |       |      |
| 1B | 13-389.734 | 3.687 | -13.914 | 4.62 | 4.62  | 3.08 | 3.08 | 28.756 | 99.868  | 0.15    |       |      |
| 1C | 13-389.734 | 1.928 | 37.756  | 4.62 | 4.62  | 3.08 | 3.08 | 15.358 | 212.763 | 0.18    |       |      |
| 1D | 13-389.734 | 1.928 | -13.914 | 4.62 | 4.62  | 3.08 | 3.08 | 15.358 | 99.868  | 0.15    |       |      |
| 1E | 13-346.994 | 3.687 | 37.756  | 4.62 | 4.62  | 3.08 | 3.08 | 31.987 | 226.757 | 0.17    |       |      |
| 1F | 13-346.994 | 3.687 | -13.914 | 4.62 | 4.62  | 3.08 | 3.08 | 31.987 | 110.379 | 0.13    |       |      |
| 1G | 13-346.994 | 1.928 | 37.756  | 4.62 | 4.62  | 3.08 | 3.08 | 17.131 | 226.757 | 0.17    |       |      |
| 1H | 13-346.994 | 1.928 | -13.914 | 4.62 | 4.62  | 3.08 | 3.08 | 17.131 | 110.379 | 0.13    |       |      |
| 1I | 13-383.633 | 4.505 | 27.580  | 4.62 | 4.62  | 3.08 | 3.08 | 35.191 | 175.318 | 0.16    |       |      |
| 1J | 13-383.633 | 4.505 | -3.737  | 4.62 | 4.62  | 3.08 | 3.08 | 35.191 | 30.174  | 0.14    |       |      |
| 1K | 13-383.633 | 1.110 | 27.580  | 4.62 | 4.62  | 3.08 | 3.08 | 8.939  | 175.318 | 0.16    |       |      |
| 1L | 13-383.633 | 1.110 | -3.737  | 4.62 | 4.62  | 3.08 | 3.08 | 8.939  | 30.174  | 0.14    |       |      |
| 1M | 13-353.095 | 4.505 | 27.580  | 4.62 | 4.62  | 3.08 | 3.08 | 38.051 | 185.765 | 0.15    |       |      |
| 1N | 13-353.095 | 4.505 | -3.737  | 4.62 | 4.62  | 3.08 | 3.08 | 38.051 | 32.592  | 0.13    |       |      |
| 1O | 13-353.095 | 1.110 | 27.580  | 4.62 | 4.62  | 3.08 | 3.08 | 9.779  | 185.765 | 0.15    |       |      |
| 1P | 13-353.095 | 1.110 | -3.737  | 4.62 | 4.62  | 3.08 | 3.08 | 9.779  | 32.592  | 0.13    |       |      |
| 1A | 25-388.999 | 3.521 | 34.743  | 4.62 | 4.62  | 3.08 | 3.08 | 27.560 | 202.700 | 0.17    |       |      |
| 1B | 25-388.999 | 3.521 | -12.817 | 4.62 | 4.62  | 3.08 | 3.08 | 27.560 | 93.272  | 0.15    |       |      |
| 1C | 25-388.999 | 1.737 | 34.743  | 4.62 | 4.62  | 3.08 | 3.08 | 13.835 | 202.700 | 0.17    |       |      |
| 1D | 25-388.999 | 1.737 | -12.817 | 4.62 | 4.62  | 3.08 | 3.08 | 13.835 | 93.272  | 0.15    |       |      |
| 1E | 25-346.258 | 3.521 | 34.743  | 4.62 | 4.62  | 3.08 | 3.08 | 30.813 | 217.058 | 0.16    |       |      |
| 1F | 25-346.258 | 3.521 | -12.817 | 4.62 | 4.62  | 3.08 | 3.08 | 30.813 | 103.055 | 0.13    |       |      |
| 1G | 25-346.258 | 1.737 | 34.743  | 4.62 | 4.62  | 3.08 | 3.08 | 15.576 | 217.058 | 0.16    |       |      |
| 1H | 25-346.258 | 1.737 | -12.817 | 4.62 | 4.62  | 3.08 | 3.08 | 15.576 | 103.055 | 0.13    |       |      |
| 1I | 25-382.898 | 4.363 | 25.359  | 4.62 | 4.62  | 3.08 | 3.08 | 34.193 | 165.172 | 0.15    |       |      |
| 1J | 25-382.898 | 4.363 | -3.434  | 4.62 | 4.62  | 3.08 | 3.08 | 34.193 | 27.814  | 0.14    |       |      |
| 1K | 25-382.898 | 0.896 | 25.359  | 4.62 | 4.62  | 3.08 | 3.08 | 7.227  | 165.172 | 0.15    |       |      |
| 1L | 25-382.898 | 0.896 | -3.434  | 4.62 | 4.62  | 3.08 | 3.08 | 7.227  | 27.814  | 0.14    |       |      |
| 1M | 25-352.360 | 4.363 | 25.359  | 4.62 | 4.62  | 3.08 | 3.08 | 36.989 | 175.454 | 0.14    |       |      |

|    |             |        |         |      |      |      |      |        |         |      |
|----|-------------|--------|---------|------|------|------|------|--------|---------|------|
| 1N | 25-352.360  | 4.363  | -3.434  | 4.62 | 4.62 | 3.08 | 3.08 | 36.989 | 30.182  | 0.13 |
| 1O | 25-352.360  | 0.896  | 25.359  | 4.62 | 4.62 | 3.08 | 3.08 | 7.844  | 175.454 | 0.14 |
| 1P | 25-352.360  | 0.896  | -3.434  | 4.62 | 4.62 | 3.08 | 3.08 | 7.844  | 30.182  | 0.13 |
| 1A | 325-371.342 | -0.458 | -37.584 | 4.62 | 4.62 | 3.08 | 3.08 | 3.702  | 218.110 | 0.17 |
| 1B | 325-371.342 | -0.458 | 13.498  | 4.62 | 4.62 | 3.08 | 3.08 | 3.702  | 101.445 | 0.14 |
| 1C | 325-371.342 | -2.845 | -37.584 | 4.62 | 4.62 | 3.08 | 3.08 | 23.417 | 218.110 | 0.17 |
| 1D | 325-371.342 | -2.845 | 13.498  | 4.62 | 4.62 | 3.08 | 3.08 | 23.417 | 101.445 | 0.14 |
| 1E | 325-328.601 | -0.458 | -37.584 | 4.62 | 4.62 | 3.08 | 3.08 | 4.210  | 232.530 | 0.16 |
| 1F | 325-328.601 | -0.458 | 13.498  | 4.62 | 4.62 | 3.08 | 3.08 | 4.210  | 112.669 | 0.12 |
| 1G | 325-328.601 | -2.845 | -37.584 | 4.62 | 4.62 | 3.08 | 3.08 | 26.394 | 232.530 | 0.16 |
| 1H | 325-328.601 | -2.845 | 13.498  | 4.62 | 4.62 | 3.08 | 3.08 | 26.394 | 112.669 | 0.12 |
| 1I | 325-365.240 | 0.933  | -27.941 | 4.62 | 4.62 | 3.08 | 3.08 | 7.883  | 183.132 | 0.15 |
| 1J | 325-365.240 | 0.933  | 3.856   | 4.62 | 4.62 | 3.08 | 3.08 | 7.883  | 32.507  | 0.14 |
| 1K | 325-365.240 | -4.235 | -27.941 | 4.62 | 4.62 | 3.08 | 3.08 | 34.771 | 183.132 | 0.15 |
| 1L | 325-365.240 | -4.235 | 3.856   | 4.62 | 4.62 | 3.08 | 3.08 | 34.771 | 32.507  | 0.14 |
| 1M | 325-334.702 | 0.933  | -27.941 | 4.62 | 4.62 | 3.08 | 3.08 | 8.685  | 194.219 | 0.14 |
| 1N | 325-334.702 | 0.933  | 3.856   | 4.62 | 4.62 | 3.08 | 3.08 | 8.685  | 35.404  | 0.13 |
| 1O | 325-334.702 | -4.235 | -27.941 | 4.62 | 4.62 | 3.08 | 3.08 | 37.757 | 194.219 | 0.14 |
| 1P | 325-334.702 | -4.235 | 3.856   | 4.62 | 4.62 | 3.08 | 3.08 | 37.757 | 35.404  | 0.13 |
| 1A | 350-369.870 | -0.647 | -42.844 | 4.62 | 4.62 | 3.08 | 3.08 | 5.347  | 233.969 | 0.18 |
| 1B | 350-369.870 | -0.647 | 16.458  | 4.62 | 4.62 | 3.08 | 3.08 | 5.347  | 120.517 | 0.14 |
| 1C | 350-369.870 | -3.084 | -42.844 | 4.62 | 4.62 | 3.08 | 3.08 | 25.446 | 233.969 | 0.18 |
| 1D | 350-369.870 | -3.084 | 16.458  | 4.62 | 4.62 | 3.08 | 3.08 | 25.446 | 120.517 | 0.14 |
| 1E | 350-327.130 | -0.647 | -42.844 | 4.62 | 4.62 | 3.08 | 3.08 | 6.109  | 247.183 | 0.17 |
| 1F | 350-327.130 | -0.647 | 16.458  | 4.62 | 4.62 | 3.08 | 3.08 | 6.109  | 133.249 | 0.12 |
| 1G | 350-327.130 | -3.084 | -42.844 | 4.62 | 4.62 | 3.08 | 3.08 | 28.659 | 247.183 | 0.17 |
| 1H | 350-327.130 | -3.084 | 16.458  | 4.62 | 4.62 | 3.08 | 3.08 | 28.659 | 133.249 | 0.12 |
| 1I | 350-363.769 | 0.790  | -31.616 | 4.62 | 4.62 | 3.08 | 3.08 | 6.701  | 199.299 | 0.16 |
| 1J | 350-363.769 | 0.790  | 5.230   | 4.62 | 4.62 | 3.08 | 3.08 | 6.701  | 43.684  | 0.14 |
| 1K | 350-363.769 | -4.520 | -31.616 | 4.62 | 4.62 | 3.08 | 3.08 | 37.118 | 199.299 | 0.16 |
| 1L | 350-363.769 | -4.520 | 5.230   | 4.62 | 4.62 | 3.08 | 3.08 | 37.118 | 43.684  | 0.14 |
| 1M | 350-333.231 | 0.790  | -31.616 | 4.62 | 4.62 | 3.08 | 3.08 | 7.336  | 210.196 | 0.15 |
| 1N | 350-333.231 | 0.790  | 5.230   | 4.62 | 4.62 | 3.08 | 3.08 | 7.336  | 47.499  | 0.13 |
| 1O | 350-333.231 | -4.520 | -31.616 | 4.62 | 4.62 | 3.08 | 3.08 | 40.290 | 210.196 | 0.15 |
| 1P | 350-333.231 | -4.520 | 5.230   | 4.62 | 4.62 | 3.08 | 3.08 | 40.290 | 47.499  | 0.13 |

# VERIFICA PER MECCANISMI POTENZIALMENTE DUTTILI (PRESSOFLESSIONE)

Lavoro: **Aule\_revPS\_NTC+ Par\_04\_q=2-5** Intestazione lavoro:  
 Elemento: **PILASTRO** Gruppo: **4** Tabella: **Tabella pilastri**  
 Descrizione: **Pilastri II impalcato**  
 Rcm: **21.00** N/mm<sup>2</sup> fym: **380.0** N/mm<sup>2</sup> fatt. confidenza: **1.00**  
 Tensioni di calcolo: fcdm: **-14.81** N/mm<sup>2</sup> fydm: **380.0** N/mm<sup>2</sup>  
 Coefficienti parziali di sicurezza dei materiali:  $\gamma_c$ : **1.50**  $\gamma_s$ : **1.15**  $\gamma_{acc}$ : **0.85**  
 Coefficiente di fragilità a sforzo normale: **0.800**

**ASTA NUM. 96** NI 4 NF 95 SEZ. Rp B= 0.400 H= 0.600 (pilastro)  
**PIL. NUM. 13**  
 Copriferro: 3.0 cm

| NC | x          | Fx      | My     | Mz   | APOST | AANT | AINF | ASUP    | My.Res. | Mz.Res. | I.R. | Note |
|----|------------|---------|--------|------|-------|------|------|---------|---------|---------|------|------|
|    | cm         | kN      | kN*m   |      | cmq   |      |      |         | kN*m    |         | Fx,M |      |
| 1A | 0-458.077  | 2.797   | 79.393 | 4.62 | 4.62  | 3.08 | 3.08 | 22.572  | 321.164 | 0.25    |      |      |
| 1B | 0-458.077  | 2.797   | 63.607 | 4.62 | 4.62  | 3.08 | 3.08 | 22.572  | 301.127 | 0.21    |      |      |
| 1C | 0-458.077  | -16.125 | 79.393 | 4.62 | 4.62  | 3.08 | 3.08 | 110.867 | 321.164 | 0.25    |      |      |
| 1D | 0-458.077  | -16.125 | 63.607 | 4.62 | 4.62  | 3.08 | 3.08 | 110.867 | 301.127 | 0.21    |      |      |
| 1E | 0-294.123  | 2.797   | 79.393 | 4.62 | 4.62  | 3.08 | 3.08 | 34.654  | 292.603 | 0.27    |      |      |
| 1F | 0-294.123  | 2.797   | 63.607 | 4.62 | 4.62  | 3.08 | 3.08 | 34.654  | 316.187 | 0.20    |      |      |
| 1G | 0-294.123  | -16.125 | 79.393 | 4.62 | 4.62  | 3.08 | 3.08 | 154.461 | 292.603 | 0.27    |      |      |
| 1H | 0-294.123  | -16.125 | 63.607 | 4.62 | 4.62  | 3.08 | 3.08 | 154.461 | 316.187 | 0.20    |      |      |
| 1I | 0-425.527  | 15.239  | 75.845 | 4.62 | 4.62  | 3.08 | 3.08 | 112.424 | 322.355 | 0.24    |      |      |
| 1J | 0-425.527  | 15.239  | 67.155 | 4.62 | 4.62  | 3.08 | 3.08 | 112.424 | 313.722 | 0.21    |      |      |
| 1K | 0-425.527  | -28.567 | 75.845 | 4.62 | 4.62  | 3.08 | 3.08 | 175.581 | 322.355 | 0.24    |      |      |
| 1L | 0-425.527  | -28.567 | 67.155 | 4.62 | 4.62  | 3.08 | 3.08 | 175.581 | 313.722 | 0.21    |      |      |
| 1M | 0-326.673  | 15.239  | 75.845 | 4.62 | 4.62  | 3.08 | 3.08 | 137.875 | 310.070 | 0.24    |      |      |
| 1N | 0-326.673  | 15.239  | 67.155 | 4.62 | 4.62  | 3.08 | 3.08 | 137.875 | 319.375 | 0.21    |      |      |
| 1O | 0-326.673  | -28.567 | 75.845 | 4.62 | 4.62  | 3.08 | 3.08 | 201.647 | 310.070 | 0.24    |      |      |
| 1P | 0-326.673  | -28.567 | 67.155 | 4.62 | 4.62  | 3.08 | 3.08 | 201.647 | 319.375 | 0.21    |      |      |
| 1A | 23-456.704 | 2.352   | 69.069 | 4.62 | 4.62  | 3.08 | 3.08 | 19.165  | 309.836 | 0.22    |      |      |
| 1B | 23-456.704 | 2.352   | 55.284 | 4.62 | 4.62  | 3.08 | 3.08 | 19.165  | 284.819 | 0.19    |      |      |
| 1C | 23-456.704 | -13.957 | 69.069 | 4.62 | 4.62  | 3.08 | 3.08 | 98.834  | 309.836 | 0.22    |      |      |
| 1D | 23-456.704 | -13.957 | 55.284 | 4.62 | 4.62  | 3.08 | 3.08 | 98.834  | 284.819 | 0.19    |      |      |
| 1E | 23-292.750 | 2.352   | 69.069 | 4.62 | 4.62  | 3.08 | 3.08 | 29.564  | 308.456 | 0.22    |      |      |
| 1F | 23-292.750 | 2.352   | 55.284 | 4.62 | 4.62  | 3.08 | 3.08 | 29.564  | 322.241 | 0.17    |      |      |
| 1G | 23-292.750 | -13.957 | 69.069 | 4.62 | 4.62  | 3.08 | 3.08 | 140.075 | 308.456 | 0.22    |      |      |
| 1H | 23-292.750 | -13.957 | 55.284 | 4.62 | 4.62  | 3.08 | 3.08 | 140.075 | 322.241 | 0.17    |      |      |
| 1I | 23-424.154 | 13.073  | 65.932 | 4.62 | 4.62  | 3.08 | 3.08 | 99.536  | 312.376 | 0.21    |      |      |
| 1J | 23-424.154 | 13.073  | 58.421 | 4.62 | 4.62  | 3.08 | 3.08 | 99.536  | 300.240 | 0.19    |      |      |
| 1K | 23-424.154 | -24.679 | 65.932 | 4.62 | 4.62  | 3.08 | 3.08 | 160.671 | 312.376 | 0.21    |      |      |
| 1L | 23-424.154 | -24.679 | 58.421 | 4.62 | 4.62  | 3.08 | 3.08 | 160.671 | 300.240 | 0.19    |      |      |
| 1M | 23-325.300 | 13.073  | 65.932 | 4.62 | 4.62  | 3.08 | 3.08 | 123.306 | 320.073 | 0.21    |      |      |
| 1N | 23-325.300 | 13.073  | 58.421 | 4.62 | 4.62  | 3.08 | 3.08 | 123.306 | 322.423 | 0.18    |      |      |
| 1O | 23-325.300 | -24.679 | 65.932 | 4.62 | 4.62  | 3.08 | 3.08 | 188.029 | 320.073 | 0.21    |      |      |
| 1P | 23-325.300 | -24.679 | 58.421 | 4.62 | 4.62  | 3.08 | 3.08 | 188.029 | 322.423 | 0.18    |      |      |
| 1A | 47-455.330 | 1.906   | 58.746 | 4.62 | 4.62  | 3.08 | 3.08 | 15.541  | 292.718 | 0.20    |      |      |
| 1B | 47-455.330 | 1.906   | 46.961 | 4.62 | 4.62  | 3.08 | 3.08 | 15.541  | 263.035 | 0.18    |      |      |
| 1C | 47-455.330 | -11.789 | 58.746 | 4.62 | 4.62  | 3.08 | 3.08 | 85.909  | 292.718 | 0.20    |      |      |
| 1D | 47-455.330 | -11.789 | 46.961 | 4.62 | 4.62  | 3.08 | 3.08 | 85.909  | 263.035 | 0.18    |      |      |
| 1E | 47-291.376 | 1.906   | 58.746 | 4.62 | 4.62  | 3.08 | 3.08 | 24.173  | 320.311 | 0.18    |      |      |
| 1F | 47-291.376 | 1.906   | 46.961 | 4.62 | 4.62  | 3.08 | 3.08 | 24.173  | 315.525 | 0.15    |      |      |
| 1G | 47-291.376 | -11.789 | 58.746 | 4.62 | 4.62  | 3.08 | 3.08 | 123.795 | 320.311 | 0.18    |      |      |
| 1H | 47-291.376 | -11.789 | 46.961 | 4.62 | 4.62  | 3.08 | 3.08 | 123.795 | 315.525 | 0.15    |      |      |
| 1I | 47-422.780 | 10.908  | 56.019 | 4.62 | 4.62  | 3.08 | 3.08 | 85.647  | 295.858 | 0.19    |      |      |
| 1J | 47-422.780 | 10.908  | 49.688 | 4.62 | 4.62  | 3.08 | 3.08 | 85.647  | 280.989 | 0.18    |      |      |
| 1K | 47-422.780 | -20.791 | 56.019 | 4.62 | 4.62  | 3.08 | 3.08 | 143.231 | 295.858 | 0.19    |      |      |
| 1L | 47-422.780 | -20.791 | 49.688 | 4.62 | 4.62  | 3.08 | 3.08 | 143.231 | 280.989 | 0.18    |      |      |
| 1M | 47-323.926 | 10.908  | 56.019 | 4.62 | 4.62  | 3.08 | 3.08 | 106.917 | 321.006 | 0.17    |      |      |
| 1N | 47-323.926 | 10.908  | 49.688 | 4.62 | 4.62  | 3.08 | 3.08 | 106.917 | 311.163 | 0.16    |      |      |
| 1O | 47-323.926 | -20.791 | 56.019 | 4.62 | 4.62  | 3.08 | 3.08 | 170.922 | 321.006 | 0.17    |      |      |
| 1P | 47-323.926 | -20.791 | 49.688 | 4.62 | 4.62  | 3.08 | 3.08 | 170.922 | 311.163 | 0.16    |      |      |
| 1A | 70-453.957 | 1.461   | 48.422 | 4.62 | 4.62  | 3.08 | 3.08 | 11.974  | 267.798 | 0.18    |      |      |
| 1B | 70-453.957 | 1.461   | 38.638 | 4.62 | 4.62  | 3.08 | 3.08 | 11.974  | 234.839 | 0.16    |      |      |
| 1C | 70-453.957 | -9.621  | 48.422 | 4.62 | 4.62  | 3.08 | 3.08 | 72.306  | 267.798 | 0.18    |      |      |
| 1D | 70-453.957 | -9.621  | 38.638 | 4.62 | 4.62  | 3.08 | 3.08 | 72.306  | 234.839 | 0.16    |      |      |
| 1E | 70-290.003 | 1.461   | 48.422 | 4.62 | 4.62  | 3.08 | 3.08 | 18.745  | 318.383 | 0.15    |      |      |
| 1F | 70-290.003 | 1.461   | 38.638 | 4.62 | 4.62  | 3.08 | 3.08 | 18.745  | 296.495 | 0.13    |      |      |
| 1G | 70-290.003 | -9.621  | 48.422 | 4.62 | 4.62  | 3.08 | 3.08 | 105.618 | 318.383 | 0.15    |      |      |
| 1H | 70-290.003 | -9.621  | 38.638 | 4.62 | 4.62  | 3.08 | 3.08 | 105.618 | 296.495 | 0.13    |      |      |
| 1I | 70-421.407 | 8.742   | 46.106 | 4.62 | 4.62  | 3.08 | 3.08 | 70.950  | 271.335 | 0.17    |      |      |
| 1J | 70-421.407 | 8.742   | 40.954 | 4.62 | 4.62  | 3.08 | 3.08 | 70.950  | 254.446 | 0.16    |      |      |
| 1K | 70-421.407 | -16.903 | 46.106 | 4.62 | 4.62  | 3.08 | 3.08 | 123.118 | 271.335 | 0.17    |      |      |
| 1L | 70-421.407 | -16.903 | 40.954 | 4.62 | 4.62  | 3.08 | 3.08 | 123.118 | 254.446 | 0.16    |      |      |
| 1M | 70-322.553 | 8.742   | 46.106 | 4.62 | 4.62  | 3.08 | 3.08 | 89.335  | 304.217 | 0.15    |      |      |
| 1N | 70-322.553 | 8.742   | 40.954 | 4.62 | 4.62  | 3.08 | 3.08 | 89.335  | 290.784 | 0.14    |      |      |
| 1O | 70-322.553 | -16.903 | 46.106 | 4.62 | 4.62  | 3.08 | 3.08 | 149.772 | 304.217 | 0.15    |      |      |
| 1P | 70-322.553 | -16.903 | 40.954 | 4.62 | 4.62  | 3.08 | 3.08 | 149.772 | 290.784 | 0.14    |      |      |
| 1A | 93-452.584 | 1.015   | 38.098 | 4.62 | 4.62  | 3.08 | 3.08 | 8.308   | 233.191 | 0.16    |      |      |
| 1B | 93-452.584 | 1.015   | 30.315 | 4.62 | 4.62  | 3.08 | 3.08 | 8.308   | 199.346 | 0.15    |      |      |
| 1C | 93-452.584 | -7.454  | 38.098 | 4.62 | 4.62  | 3.08 | 3.08 | 57.623  | 233.191 | 0.16    |      |      |
| 1D | 93-452.584 | -7.454  | 30.315 | 4.62 | 4.62  | 3.08 | 3.08 | 57.623  | 199.346 | 0.15    |      |      |
| 1E | 93-288.630 | 1.015   | 38.098 | 4.62 | 4.62  | 3.08 | 3.08 | 13.122  | 295.415 | 0.13    |      |      |
| 1F | 93-288.630 | 1.015   | 30.315 | 4.62 | 4.62  | 3.08 | 3.08 | 13.122  | 265.621 | 0.11    |      |      |
| 1G | 93-288.630 | -7.454  | 38.098 | 4.62 | 4.62  | 3.08 | 3.08 | 85.715  | 295.415 | 0.13    |      |      |
| 1H | 93-288.630 | -7.454  | 30.315 | 4.62 | 4.62  | 3.08 | 3.08 | 85.715  | 265.621 | 0.11    |      |      |

|    |             |         |         |      |      |      |      |         |         |      |
|----|-------------|---------|---------|------|------|------|------|---------|---------|------|
| 1I | 93-420.034  | 6.577   | 36.193  | 4.62 | 4.62 | 3.08 | 3.08 | 55.184  | 236.671 | 0.15 |
| 1J | 93-420.034  | 6.577   | 32.221  | 4.62 | 4.62 | 3.08 | 3.08 | 55.184  | 219.321 | 0.15 |
| 1K | 93-420.034  | -13.015 | 36.193  | 4.62 | 4.62 | 3.08 | 3.08 | 99.975  | 236.671 | 0.15 |
| 1L | 93-420.034  | -13.015 | 32.221  | 4.62 | 4.62 | 3.08 | 3.08 | 99.975  | 219.321 | 0.15 |
| 1M | 93-321.180  | 6.577   | 36.193  | 4.62 | 4.62 | 3.08 | 3.08 | 70.135  | 275.376 | 0.13 |
| 1N | 93-321.180  | 6.577   | 32.221  | 4.62 | 4.62 | 3.08 | 3.08 | 70.135  | 259.059 | 0.12 |
| 1O | 93-321.180  | -13.015 | 36.193  | 4.62 | 4.62 | 3.08 | 3.08 | 123.944 | 275.376 | 0.13 |
| 1P | 93-321.180  | -13.015 | 32.221  | 4.62 | 4.62 | 3.08 | 3.08 | 123.944 | 259.059 | 0.12 |
| 1A | 117-451.210 | 0.570   | 27.775  | 4.62 | 4.62 | 3.08 | 3.08 | 4.527   | 187.239 | 0.15 |
| 1B | 117-451.210 | 0.570   | 21.992  | 4.62 | 4.62 | 3.08 | 3.08 | 4.527   | 155.593 | 0.14 |
| 1C | 117-451.210 | -5.286  | 27.775  | 4.62 | 4.62 | 3.08 | 3.08 | 42.102  | 187.239 | 0.15 |
| 1D | 117-451.210 | -5.286  | 21.992  | 4.62 | 4.62 | 3.08 | 3.08 | 42.102  | 155.593 | 0.14 |
| 1E | 117-287.256 | 0.570   | 27.775  | 4.62 | 4.62 | 3.08 | 3.08 | 7.290   | 253.700 | 0.11 |
| 1F | 117-287.256 | 0.570   | 21.992  | 4.62 | 4.62 | 3.08 | 3.08 | 7.290   | 219.028 | 0.10 |
| 1G | 117-287.256 | -5.286  | 27.775  | 4.62 | 4.62 | 3.08 | 3.08 | 63.741  | 253.700 | 0.11 |
| 1H | 117-287.256 | -5.286  | 21.992  | 4.62 | 4.62 | 3.08 | 3.08 | 63.741  | 219.028 | 0.10 |
| 1I | 117-418.660 | 4.411   | 26.279  | 4.62 | 4.62 | 3.08 | 3.08 | 38.228  | 190.013 | 0.14 |
| 1J | 117-418.660 | 4.411   | 23.487  | 4.62 | 4.62 | 3.08 | 3.08 | 38.228  | 174.459 | 0.13 |
| 1K | 117-418.660 | -9.127  | 26.279  | 4.62 | 4.62 | 3.08 | 3.08 | 74.122  | 190.013 | 0.14 |
| 1L | 117-418.660 | -9.127  | 23.487  | 4.62 | 4.62 | 3.08 | 3.08 | 74.122  | 174.459 | 0.13 |
| 1M | 117-319.806 | 4.411   | 26.279  | 4.62 | 4.62 | 3.08 | 3.08 | 49.093  | 229.587 | 0.11 |
| 1N | 117-319.806 | 4.411   | 23.487  | 4.62 | 4.62 | 3.08 | 3.08 | 49.093  | 212.857 | 0.11 |
| 1O | 117-319.806 | -9.127  | 26.279  | 4.62 | 4.62 | 3.08 | 3.08 | 93.330  | 229.587 | 0.11 |
| 1P | 117-319.806 | -9.127  | 23.487  | 4.62 | 4.62 | 3.08 | 3.08 | 93.330  | 212.857 | 0.11 |
| 1A | 140-449.837 | 0.124   | 17.451  | 4.62 | 4.62 | 3.08 | 3.08 | 0.692   | 128.671 | 0.14 |
| 1B | 140-449.837 | 0.124   | 13.669  | 4.62 | 4.62 | 3.08 | 3.08 | 0.692   | 104.188 | 0.14 |
| 1C | 140-449.837 | -3.118  | 17.451  | 4.62 | 4.62 | 3.08 | 3.08 | 25.594  | 128.671 | 0.14 |
| 1D | 140-449.837 | -3.118  | 13.669  | 4.62 | 4.62 | 3.08 | 3.08 | 25.594  | 104.188 | 0.14 |
| 1E | 140-285.883 | 0.124   | 17.451  | 4.62 | 4.62 | 3.08 | 3.08 | 1.353   | 186.054 | 0.09 |
| 1F | 140-285.883 | 0.124   | 13.669  | 4.62 | 4.62 | 3.08 | 3.08 | 1.353   | 153.345 | 0.09 |
| 1G | 140-285.883 | -3.118  | 17.451  | 4.62 | 4.62 | 3.08 | 3.08 | 39.501  | 186.054 | 0.09 |
| 1H | 140-285.883 | -3.118  | 13.669  | 4.62 | 4.62 | 3.08 | 3.08 | 39.501  | 153.345 | 0.09 |
| 1I | 140-417.287 | 2.245   | 16.366  | 4.62 | 4.62 | 3.08 | 3.08 | 20.029  | 129.880 | 0.13 |
| 1J | 140-417.287 | 2.245   | 14.754  | 4.62 | 4.62 | 3.08 | 3.08 | 20.029  | 118.955 | 0.13 |
| 1K | 140-417.287 | -5.239  | 16.366  | 4.62 | 4.62 | 3.08 | 3.08 | 44.957  | 129.880 | 0.13 |
| 1L | 140-417.287 | -5.239  | 14.754  | 4.62 | 4.62 | 3.08 | 3.08 | 44.957  | 118.955 | 0.13 |
| 1M | 140-318.433 | 2.245   | 16.366  | 4.62 | 4.62 | 3.08 | 3.08 | 26.033  | 162.512 | 0.10 |
| 1N | 140-318.433 | 2.245   | 14.754  | 4.62 | 4.62 | 3.08 | 3.08 | 26.033  | 149.416 | 0.10 |
| 1O | 140-318.433 | -5.239  | 16.366  | 4.62 | 4.62 | 3.08 | 3.08 | 57.571  | 162.512 | 0.10 |
| 1P | 140-318.433 | -5.239  | 14.754  | 4.62 | 4.62 | 3.08 | 3.08 | 57.571  | 149.416 | 0.10 |
| 1A | 163-448.464 | -0.321  | 7.127   | 4.62 | 4.62 | 3.08 | 3.08 | 2.428   | 57.670  | 0.14 |
| 1B | 163-448.464 | -0.321  | 5.346   | 4.62 | 4.62 | 3.08 | 3.08 | 2.428   | 43.896  | 0.14 |
| 1C | 163-448.464 | -0.950  | 7.127   | 4.62 | 4.62 | 3.08 | 3.08 | 7.820   | 57.670  | 0.14 |
| 1D | 163-448.464 | -0.950  | 5.346   | 4.62 | 4.62 | 3.08 | 3.08 | 7.820   | 43.896  | 0.14 |
| 1E | 163-284.510 | -0.321  | 7.127   | 4.62 | 4.62 | 3.08 | 3.08 | 4.072   | 87.792  | 0.09 |
| 1F | 163-284.510 | -0.321  | 5.346   | 4.62 | 4.62 | 3.08 | 3.08 | 4.072   | 67.524  | 0.09 |
| 1G | 163-284.510 | -0.950  | 7.127   | 4.62 | 4.62 | 3.08 | 3.08 | 12.440  | 87.792  | 0.09 |
| 1H | 163-284.510 | -0.950  | 5.346   | 4.62 | 4.62 | 3.08 | 3.08 | 12.440  | 67.524  | 0.09 |
| 1I | 163-415.914 | 0.080   | 6.453   | 4.62 | 4.62 | 3.08 | 3.08 | 0.360   | 56.365  | 0.13 |
| 1J | 163-415.914 | 0.080   | 6.020   | 4.62 | 4.62 | 3.08 | 3.08 | 0.360   | 52.912  | 0.13 |
| 1K | 163-415.914 | -1.351  | 6.453   | 4.62 | 4.62 | 3.08 | 3.08 | 12.093  | 56.365  | 0.13 |
| 1L | 163-415.914 | -1.351  | 6.020   | 4.62 | 4.62 | 3.08 | 3.08 | 12.093  | 52.912  | 0.13 |
| 1M | 163-317.060 | 0.080   | 6.453   | 4.62 | 4.62 | 3.08 | 3.08 | 0.604   | 72.559  | 0.10 |
| 1N | 163-317.060 | 0.080   | 6.020   | 4.62 | 4.62 | 3.08 | 3.08 | 0.604   | 68.185  | 0.10 |
| 1O | 163-317.060 | -1.351  | 6.453   | 4.62 | 4.62 | 3.08 | 3.08 | 15.827  | 72.559  | 0.10 |
| 1P | 163-317.060 | -1.351  | 6.020   | 4.62 | 4.62 | 3.08 | 3.08 | 15.827  | 68.185  | 0.10 |
| 1A | 198-446.404 | -0.989  | -8.358  | 4.62 | 4.62 | 3.08 | 3.08 | 8.204   | 67.299  | 0.14 |
| 1B | 198-446.404 | -0.989  | -7.139  | 4.62 | 4.62 | 3.08 | 3.08 | 8.204   | 58.010  | 0.14 |
| 1C | 198-446.404 | 2.302   | -8.358  | 4.62 | 4.62 | 3.08 | 3.08 | 19.193  | 67.299  | 0.14 |
| 1D | 198-446.404 | 2.302   | -7.139  | 4.62 | 4.62 | 3.08 | 3.08 | 19.193  | 58.010  | 0.14 |
| 1E | 198-282.450 | -0.989  | -8.358  | 4.62 | 4.62 | 3.08 | 3.08 | 13.069  | 101.766 | 0.09 |
| 1F | 198-282.450 | -0.989  | -7.139  | 4.62 | 4.62 | 3.08 | 3.08 | 13.069  | 88.496  | 0.09 |
| 1G | 198-282.450 | 2.302   | -8.358  | 4.62 | 4.62 | 3.08 | 3.08 | 29.981  | 101.766 | 0.09 |
| 1H | 198-282.450 | 2.302   | -7.139  | 4.62 | 4.62 | 3.08 | 3.08 | 29.981  | 88.496  | 0.09 |
| 1I | 198-413.854 | -3.168  | -8.417  | 4.62 | 4.62 | 3.08 | 3.08 | 28.214  | 72.507  | 0.13 |
| 1J | 198-413.854 | -3.168  | -7.080  | 4.62 | 4.62 | 3.08 | 3.08 | 28.214  | 61.837  | 0.13 |
| 1K | 198-413.854 | 4.481   | -8.417  | 4.62 | 4.62 | 3.08 | 3.08 | 39.231  | 72.507  | 0.13 |
| 1L | 198-413.854 | 4.481   | -7.080  | 4.62 | 4.62 | 3.08 | 3.08 | 39.231  | 61.837  | 0.13 |
| 1M | 198-315.000 | -3.168  | -8.417  | 4.62 | 4.62 | 3.08 | 3.08 | 36.572  | 92.864  | 0.10 |
| 1N | 198-315.000 | -3.168  | -7.080  | 4.62 | 4.62 | 3.08 | 3.08 | 36.572  | 79.530  | 0.10 |
| 1O | 198-315.000 | 4.481   | -8.417  | 4.62 | 4.62 | 3.08 | 3.08 | 50.519  | 92.864  | 0.10 |
| 1P | 198-315.000 | 4.481   | -7.080  | 4.62 | 4.62 | 3.08 | 3.08 | 50.519  | 79.530  | 0.10 |
| 1A | 222-445.030 | -1.435  | -18.682 | 4.62 | 4.62 | 3.08 | 3.08 | 12.000  | 137.593 | 0.14 |
| 1B | 222-445.030 | -1.435  | -15.462 | 4.62 | 4.62 | 3.08 | 3.08 | 12.000  | 117.166 | 0.14 |
| 1C | 222-445.030 | 4.470   | -18.682 | 4.62 | 4.62 | 3.08 | 3.08 | 36.521  | 137.593 | 0.14 |
| 1D | 222-445.030 | 4.470   | -15.462 | 4.62 | 4.62 | 3.08 | 3.08 | 36.521  | 117.166 | 0.14 |
| 1E | 222-281.076 | -1.435  | -18.682 | 4.62 | 4.62 | 3.08 | 3.08 | 19.002  | 198.224 | 0.09 |
| 1F | 222-281.076 | -1.435  | -15.462 | 4.62 | 4.62 | 3.08 | 3.08 | 19.002  | 171.688 | 0.09 |
| 1G | 222-281.076 | 4.470   | -18.682 | 4.62 | 4.62 | 3.08 | 3.08 | 55.973  | 198.224 | 0.09 |
| 1H | 222-281.076 | 4.470   | -15.462 | 4.62 | 4.62 | 3.08 | 3.08 | 55.973  | 171.688 | 0.09 |
| 1I | 222-412.480 | -5.334  | -18.330 | 4.62 | 4.62 | 3.08 | 3.08 | 46.222  | 144.323 | 0.13 |
| 1J | 222-412.480 | -5.334  | -15.813 | 4.62 | 4.62 | 3.08 | 3.08 | 46.222  | 127.372 | 0.13 |
| 1K | 222-412.480 | 8.369   | -18.330 | 4.62 | 4.62 | 3.08 | 3.08 | 69.565  | 144.323 | 0.13 |
| 1L | 222-412.480 | 8.369   | -15.813 | 4.62 | 4.62 | 3.08 | 3.08 | 69.565  | 127.372 | 0.13 |
| 1M | 222-313.626 | -5.334  | -18.330 | 4.62 | 4.62 | 3.08 | 3.08 | 59.346  | 179.943 | 0.10 |
| 1N | 222-313.626 | -5.334  | -15.813 | 4.62 | 4.62 | 3.08 | 3.08 | 59.346  | 159.990 | 0.10 |
| 1O | 222-313.626 | 8.369   | -18.330 | 4.62 | 4.62 | 3.08 | 3.08 | 88.155  | 179.943 | 0.10 |
| 1P | 222-313.626 | 8.369   | -15.813 | 4.62 | 4.62 | 3.08 | 3.08 | 88.155  | 159.990 | 0.10 |
| 1A | 245-443.657 | -1.880  | -29.005 | 4.62 | 4.62 | 3.08 | 3.08 | 15.740  | 195.844 | 0.15 |
| 1B | 245-443.657 | -1.880  | -23.785 | 4.62 | 4.62 | 3.08 | 3.08 | 15.740  | 168.168 | 0.14 |
| 1C | 245-443.657 | 6.638   | -29.005 | 4.62 | 4.62 | 3.08 | 3.08 | 52.929  | 195.844 | 0.15 |
| 1D | 245-443.657 | 6.638   | -23.785 | 4.62 | 4.62 | 3.08 | 3.08 | 52.929  | 168.168 | 0.14 |

|    |             |         |         |      |      |      |      |         |         |      |
|----|-------------|---------|---------|------|------|------|------|---------|---------|------|
| 1E | 245-279.703 | -1.880  | -29.005 | 4.62 | 4.62 | 3.08 | 3.08 | 24.836  | 263.813 | 0.11 |
| 1F | 245-279.703 | -1.880  | -23.785 | 4.62 | 4.62 | 3.08 | 3.08 | 24.836  | 234.700 | 0.10 |
| 1G | 245-279.703 | 6.638   | -29.005 | 4.62 | 4.62 | 3.08 | 3.08 | 79.663  | 263.813 | 0.11 |
| 1H | 245-279.703 | 6.638   | -23.785 | 4.62 | 4.62 | 3.08 | 3.08 | 79.663  | 234.700 | 0.10 |
| 1I | 245-411.107 | -7.500  | -28.243 | 4.62 | 4.62 | 3.08 | 3.08 | 63.246  | 203.034 | 0.14 |
| 1J | 245-411.107 | -7.500  | -24.547 | 4.62 | 4.62 | 3.08 | 3.08 | 63.246  | 182.947 | 0.13 |
| 1K | 245-411.107 | 12.257  | -28.243 | 4.62 | 4.62 | 3.08 | 3.08 | 96.817  | 203.034 | 0.14 |
| 1L | 245-411.107 | 12.257  | -24.547 | 4.62 | 4.62 | 3.08 | 3.08 | 96.817  | 182.947 | 0.13 |
| 1M | 245-312.253 | -7.500  | -28.243 | 4.62 | 4.62 | 3.08 | 3.08 | 80.501  | 243.884 | 0.12 |
| 1N | 245-312.253 | -7.500  | -24.547 | 4.62 | 4.62 | 3.08 | 3.08 | 80.501  | 222.973 | 0.11 |
| 1O | 245-312.253 | 12.257  | -28.243 | 4.62 | 4.62 | 3.08 | 3.08 | 121.000 | 243.884 | 0.12 |
| 1P | 245-312.253 | 12.257  | -24.547 | 4.62 | 4.62 | 3.08 | 3.08 | 121.000 | 222.973 | 0.11 |
| 1A | 268-442.284 | -2.326  | -39.329 | 4.62 | 4.62 | 3.08 | 3.08 | 19.574  | 241.359 | 0.16 |
| 1B | 268-442.284 | -2.326  | -32.108 | 4.62 | 4.62 | 3.08 | 3.08 | 19.574  | 211.141 | 0.15 |
| 1C | 268-442.284 | 8.805   | -39.329 | 4.62 | 4.62 | 3.08 | 3.08 | 68.406  | 241.359 | 0.16 |
| 1D | 268-442.284 | 8.805   | -32.108 | 4.62 | 4.62 | 3.08 | 3.08 | 68.406  | 211.141 | 0.15 |
| 1E | 268-278.330 | -2.326  | -39.329 | 4.62 | 4.62 | 3.08 | 3.08 | 30.568  | 303.006 | 0.13 |
| 1F | 268-278.330 | -2.326  | -32.108 | 4.62 | 4.62 | 3.08 | 3.08 | 30.568  | 278.526 | 0.12 |
| 1G | 268-278.330 | 8.805   | -39.329 | 4.62 | 4.62 | 3.08 | 3.08 | 101.536 | 303.006 | 0.13 |
| 1H | 268-278.330 | 8.805   | -32.108 | 4.62 | 4.62 | 3.08 | 3.08 | 101.536 | 278.526 | 0.12 |
| 1I | 268-409.734 | -9.665  | -38.156 | 4.62 | 4.62 | 3.08 | 3.08 | 79.246  | 248.192 | 0.15 |
| 1J | 268-409.734 | -9.665  | -33.280 | 4.62 | 4.62 | 3.08 | 3.08 | 79.246  | 227.853 | 0.15 |
| 1K | 268-409.734 | 16.145  | -38.156 | 4.62 | 4.62 | 3.08 | 3.08 | 121.367 | 248.192 | 0.15 |
| 1L | 268-409.734 | 16.145  | -33.280 | 4.62 | 4.62 | 3.08 | 3.08 | 121.367 | 227.853 | 0.15 |
| 1M | 268-310.880 | -9.665  | -38.156 | 4.62 | 4.62 | 3.08 | 3.08 | 100.066 | 286.576 | 0.13 |
| 1N | 268-310.880 | -9.665  | -33.280 | 4.62 | 4.62 | 3.08 | 3.08 | 100.066 | 268.305 | 0.12 |
| 1O | 268-310.880 | 16.145  | -38.156 | 4.62 | 4.62 | 3.08 | 3.08 | 148.837 | 286.576 | 0.13 |
| 1P | 268-310.880 | 16.145  | -33.280 | 4.62 | 4.62 | 3.08 | 3.08 | 148.837 | 268.305 | 0.12 |
| 1A | 292-440.910 | -2.771  | -49.653 | 4.62 | 4.62 | 3.08 | 3.08 | 23.233  | 275.289 | 0.18 |
| 1B | 292-440.910 | -2.771  | -40.431 | 4.62 | 4.62 | 3.08 | 3.08 | 23.233  | 245.914 | 0.16 |
| 1C | 292-440.910 | 10.973  | -49.653 | 4.62 | 4.62 | 3.08 | 3.08 | 83.029  | 275.289 | 0.18 |
| 1D | 292-440.910 | 10.973  | -40.431 | 4.62 | 4.62 | 3.08 | 3.08 | 83.029  | 245.914 | 0.16 |
| 1E | 292-276.956 | -2.771  | -49.653 | 4.62 | 4.62 | 3.08 | 3.08 | 36.391  | 322.409 | 0.15 |
| 1F | 292-276.956 | -2.771  | -40.431 | 4.62 | 4.62 | 3.08 | 3.08 | 36.391  | 306.376 | 0.13 |
| 1G | 292-276.956 | 10.973  | -49.653 | 4.62 | 4.62 | 3.08 | 3.08 | 121.899 | 322.409 | 0.15 |
| 1H | 292-276.956 | 10.973  | -40.431 | 4.62 | 4.62 | 3.08 | 3.08 | 121.899 | 306.376 | 0.13 |
| 1I | 292-408.360 | -11.831 | -48.069 | 4.62 | 4.62 | 3.08 | 3.08 | 94.517  | 281.198 | 0.17 |
| 1J | 292-408.360 | -11.831 | -42.014 | 4.62 | 4.62 | 3.08 | 3.08 | 94.517  | 262.686 | 0.16 |
| 1K | 292-408.360 | 20.033  | -48.069 | 4.62 | 4.62 | 3.08 | 3.08 | 142.980 | 281.198 | 0.17 |
| 1L | 292-408.360 | 20.033  | -42.014 | 4.62 | 4.62 | 3.08 | 3.08 | 142.980 | 262.686 | 0.16 |
| 1M | 292-309.506 | -11.831 | -48.069 | 4.62 | 4.62 | 3.08 | 3.08 | 118.473 | 312.299 | 0.15 |
| 1N | 292-309.506 | -11.831 | -42.014 | 4.62 | 4.62 | 3.08 | 3.08 | 118.473 | 298.620 | 0.14 |
| 1O | 292-309.506 | 20.033  | -48.069 | 4.62 | 4.62 | 3.08 | 3.08 | 171.794 | 312.299 | 0.15 |
| 1P | 292-309.506 | 20.033  | -42.014 | 4.62 | 4.62 | 3.08 | 3.08 | 171.794 | 298.620 | 0.14 |
| 1A | 315-439.537 | -3.217  | -59.976 | 4.62 | 4.62 | 3.08 | 3.08 | 26.999  | 299.203 | 0.20 |
| 1B | 315-439.537 | -3.217  | -48.754 | 4.62 | 4.62 | 3.08 | 3.08 | 26.999  | 273.223 | 0.18 |
| 1C | 315-439.537 | 13.141  | -59.976 | 4.62 | 4.62 | 3.08 | 3.08 | 97.044  | 299.203 | 0.20 |
| 1D | 315-439.537 | 13.141  | -48.754 | 4.62 | 4.62 | 3.08 | 3.08 | 97.044  | 273.223 | 0.18 |
| 1E | 315-275.583 | -3.217  | -59.976 | 4.62 | 4.62 | 3.08 | 3.08 | 41.960  | 315.716 | 0.19 |
| 1F | 315-275.583 | -3.217  | -48.754 | 4.62 | 4.62 | 3.08 | 3.08 | 41.960  | 322.259 | 0.15 |
| 1G | 315-275.583 | 13.141  | -59.976 | 4.62 | 4.62 | 3.08 | 3.08 | 140.094 | 315.716 | 0.19 |
| 1H | 315-275.583 | 13.141  | -48.754 | 4.62 | 4.62 | 3.08 | 3.08 | 140.094 | 322.259 | 0.15 |
| 1I | 315-406.987 | -13.996 | -57.983 | 4.62 | 4.62 | 3.08 | 3.08 | 108.778 | 303.871 | 0.19 |
| 1J | 315-406.987 | -13.996 | -50.747 | 4.62 | 4.62 | 3.08 | 3.08 | 108.778 | 288.555 | 0.18 |
| 1K | 315-406.987 | 23.921  | -57.983 | 4.62 | 4.62 | 3.08 | 3.08 | 161.728 | 303.871 | 0.19 |
| 1L | 315-406.987 | 23.921  | -50.747 | 4.62 | 4.62 | 3.08 | 3.08 | 161.728 | 288.555 | 0.18 |
| 1M | 315-308.133 | -13.996 | -57.983 | 4.62 | 4.62 | 3.08 | 3.08 | 135.203 | 322.291 | 0.18 |
| 1N | 315-308.133 | -13.996 | -50.747 | 4.62 | 4.62 | 3.08 | 3.08 | 135.203 | 317.299 | 0.16 |
| 1O | 315-308.133 | 23.921  | -57.983 | 4.62 | 4.62 | 3.08 | 3.08 | 190.310 | 322.291 | 0.18 |
| 1P | 315-308.133 | 23.921  | -50.747 | 4.62 | 4.62 | 3.08 | 3.08 | 190.310 | 317.299 | 0.16 |
| 1A | 350-437.477 | -3.885  | -75.462 | 4.62 | 4.62 | 3.08 | 3.08 | 32.434  | 320.822 | 0.24 |
| 1B | 350-437.477 | -3.885  | -61.238 | 4.62 | 4.62 | 3.08 | 3.08 | 32.434  | 302.000 | 0.20 |
| 1C | 350-437.477 | 16.393  | -75.462 | 4.62 | 4.62 | 3.08 | 3.08 | 116.605 | 320.822 | 0.24 |
| 1D | 350-437.477 | 16.393  | -61.238 | 4.62 | 4.62 | 3.08 | 3.08 | 116.605 | 302.000 | 0.20 |
| 1E | 350-273.523 | -3.885  | -75.462 | 4.62 | 4.62 | 3.08 | 3.08 | 50.449  | 289.811 | 0.26 |
| 1F | 350-273.523 | -3.885  | -61.238 | 4.62 | 4.62 | 3.08 | 3.08 | 50.449  | 313.424 | 0.20 |
| 1G | 350-273.523 | 16.393  | -75.462 | 4.62 | 4.62 | 3.08 | 3.08 | 163.768 | 289.811 | 0.26 |
| 1H | 350-273.523 | 16.393  | -61.238 | 4.62 | 4.62 | 3.08 | 3.08 | 163.768 | 313.424 | 0.20 |
| 1I | 350-404.927 | -17.245 | -72.852 | 4.62 | 4.62 | 3.08 | 3.08 | 128.819 | 322.436 | 0.23 |
| 1J | 350-404.927 | -17.245 | -63.848 | 4.62 | 4.62 | 3.08 | 3.08 | 128.819 | 313.645 | 0.20 |
| 1K | 350-404.927 | 29.752  | -72.852 | 4.62 | 4.62 | 3.08 | 3.08 | 184.820 | 322.436 | 0.23 |
| 1L | 350-404.927 | 29.752  | -63.848 | 4.62 | 4.62 | 3.08 | 3.08 | 184.820 | 313.645 | 0.20 |
| 1M | 350-306.073 | -17.245 | -72.852 | 4.62 | 4.62 | 3.08 | 3.08 | 157.308 | 307.538 | 0.24 |
| 1N | 350-306.073 | -17.245 | -63.848 | 4.62 | 4.62 | 3.08 | 3.08 | 157.308 | 318.564 | 0.20 |
| 1O | 350-306.073 | 29.752  | -72.852 | 4.62 | 4.62 | 3.08 | 3.08 | 210.891 | 307.538 | 0.24 |
| 1P | 350-306.073 | 29.752  | -63.848 | 4.62 | 4.62 | 3.08 | 3.08 | 210.891 | 318.564 | 0.20 |

# VERIFICA PER MECCANISMI POTENZIALMENTE DUTTILI (PRESSOFLESSIONE)

Lavoro: **Aule\_revPS\_NTC+ Par\_04\_q=2-5** Intestazione lavoro:  
 Elemento: **PILASTRO** Gruppo: **5** Tabella: **Pil\_C21\_Aq50\_FC1.2**  
 Descrizione: **Pilastri III impalcato**  
 Spunt. I **20.0** cm Spunt. J **20.0** cm  
 Rcm: **21.00** N/mm<sup>2</sup> fym: **380.0** N/mm<sup>2</sup> fatt. confidenza: **1.20**  
 Tensioni di calcolo: fcdm: **-12.34** N/mm<sup>2</sup> fydm: **316.7** N/mm<sup>2</sup>  
 Coefficienti parziali di sicurezza dei materiali:  $\gamma_c$ : **1.50**  $\gamma_s$ : **1.15**  $\gamma_{cc}$ : **0.85**  
 Coefficiente di fragilità a sforzo normale: **0.800**

**ASTA NUM. 1** NI 65 NF 97 SEZ. Rp B= 0.600 H= 0.400 (pilastro)  
**PIL. NUM. 17**  
 Copriferro: 3.0 cm

| NC | x           | Fx      | My      | Mz | APOST | AANT | AINF | ASUP | My.Res. | Mz.Res. | I.R. | Note |
|----|-------------|---------|---------|----|-------|------|------|------|---------|---------|------|------|
|    | cm          | kN      | kN*m    |    | cmq   |      |      |      | kN*m    |         | Fx,M |      |
| 1A | 0-217.983   | 12.817  | 5.788   |    | 3.08  | 3.08 | 4.62 | 4.62 | 150.911 | 73.137  | 0.08 |      |
| 1B | 0-217.983   | 12.817  | -14.183 |    | 3.08  | 3.08 | 4.62 | 4.62 | 150.911 | 143.720 | 0.10 |      |
| 1C | 0-217.983   | -12.751 | 5.788   |    | 3.08  | 3.08 | 4.62 | 4.62 | 150.301 | 73.137  | 0.08 |      |
| 1D | 0-217.983   | -12.751 | -14.183 |    | 3.08  | 3.08 | 4.62 | 4.62 | 150.301 | 143.720 | 0.10 |      |
| 1E | 0-207.617   | 12.817  | 5.788   |    | 3.08  | 3.08 | 4.62 | 4.62 | 156.683 | 76.230  | 0.08 |      |
| 1F | 0-207.617   | 12.817  | -14.183 |    | 3.08  | 3.08 | 4.62 | 4.62 | 156.683 | 147.964 | 0.10 |      |
| 1G | 0-207.617   | -12.751 | 5.788   |    | 3.08  | 3.08 | 4.62 | 4.62 | 156.065 | 76.230  | 0.08 |      |
| 1H | 0-207.617   | -12.751 | -14.183 |    | 3.08  | 3.08 | 4.62 | 4.62 | 156.065 | 147.964 | 0.10 |      |
| 1I | 0-217.069   | 27.820  | 0.498   |    | 3.08  | 3.08 | 4.62 | 4.62 | 244.954 | 7.053   | 0.11 |      |
| 1J | 0-217.069   | 27.820  | -8.893  |    | 3.08  | 3.08 | 4.62 | 4.62 | 244.954 | 104.172 | 0.11 |      |
| 1K | 0-217.069   | -27.753 | 0.498   |    | 3.08  | 3.08 | 4.62 | 4.62 | 244.706 | 7.053   | 0.11 |      |
| 1L | 0-217.069   | -27.753 | -8.893  |    | 3.08  | 3.08 | 4.62 | 4.62 | 244.706 | 104.172 | 0.11 |      |
| 1M | 0-208.531   | 27.820  | 0.498   |    | 3.08  | 3.08 | 4.62 | 4.62 | 249.040 | 7.396   | 0.11 |      |
| 1N | 0-208.531   | 27.820  | -8.893  |    | 3.08  | 3.08 | 4.62 | 4.62 | 249.040 | 107.442 | 0.11 |      |
| 1O | 0-208.531   | -27.753 | 0.498   |    | 3.08  | 3.08 | 4.62 | 4.62 | 248.802 | 7.396   | 0.11 |      |
| 1P | 0-208.531   | -27.753 | -8.893  |    | 3.08  | 3.08 | 4.62 | 4.62 | 248.802 | 107.442 | 0.11 |      |
| 1A | 12-217.247  | 11.812  | 4.143   |    | 3.08  | 3.08 | 4.62 | 4.62 | 141.939 | 54.845  | 0.08 |      |
| 1B | 12-217.247  | 11.812  | -12.350 |    | 3.08  | 3.08 | 4.62 | 4.62 | 141.939 | 131.891 | 0.09 |      |
| 1C | 12-217.247  | -11.666 | 4.143   |    | 3.08  | 3.08 | 4.62 | 4.62 | 140.523 | 54.845  | 0.08 |      |
| 1D | 12-217.247  | -11.666 | -12.350 |    | 3.08  | 3.08 | 4.62 | 4.62 | 140.523 | 131.891 | 0.09 |      |
| 1E | 12-206.881  | 11.812  | 4.143   |    | 3.08  | 3.08 | 4.62 | 4.62 | 147.623 | 57.289  | 0.08 |      |
| 1F | 12-206.881  | 11.812  | -12.350 |    | 3.08  | 3.08 | 4.62 | 4.62 | 147.623 | 136.173 | 0.09 |      |
| 1G | 12-206.881  | -11.666 | 4.143   |    | 3.08  | 3.08 | 4.62 | 4.62 | 146.193 | 57.289  | 0.08 |      |
| 1H | 12-206.881  | -11.666 | -12.350 |    | 3.08  | 3.08 | 4.62 | 4.62 | 146.193 | 136.173 | 0.09 |      |
| 1I | 12-216.334  | 25.605  | -0.224  |    | 3.08  | 3.08 | 4.62 | 4.62 | 236.384 | 3.061   | 0.11 |      |
| 1J | 12-216.334  | 25.605  | -7.984  |    | 3.08  | 3.08 | 4.62 | 4.62 | 236.384 | 95.975  | 0.11 |      |
| 1K | 12-216.334  | -25.459 | -0.224  |    | 3.08  | 3.08 | 4.62 | 4.62 | 235.748 | 3.061   | 0.11 |      |
| 1L | 12-216.334  | -25.459 | -7.984  |    | 3.08  | 3.08 | 4.62 | 4.62 | 235.748 | 95.975  | 0.11 |      |
| 1M | 12-207.795  | 25.605  | -0.224  |    | 3.08  | 3.08 | 4.62 | 4.62 | 240.795 | 3.162   | 0.11 |      |
| 1N | 12-207.795  | 25.605  | -7.984  |    | 3.08  | 3.08 | 4.62 | 4.62 | 240.795 | 99.119  | 0.11 |      |
| 1O | 12-207.795  | -25.459 | -0.224  |    | 3.08  | 3.08 | 4.62 | 4.62 | 240.178 | 3.162   | 0.11 |      |
| 1P | 12-207.795  | -25.459 | -7.984  |    | 3.08  | 3.08 | 4.62 | 4.62 | 240.178 | 99.119  | 0.11 |      |
| 1A | 25-216.511  | 10.790  | 2.874   |    | 3.08  | 3.08 | 4.62 | 4.62 | 132.211 | 39.481  | 0.08 |      |
| 1B | 25-216.511  | 10.790  | -10.141 |    | 3.08  | 3.08 | 4.62 | 4.62 | 132.211 | 115.211 | 0.09 |      |
| 1C | 25-216.511  | -10.600 | 2.874   |    | 3.08  | 3.08 | 4.62 | 4.62 | 130.290 | 39.481  | 0.08 |      |
| 1D | 25-216.511  | -10.600 | -10.141 |    | 3.08  | 3.08 | 4.62 | 4.62 | 130.290 | 115.211 | 0.09 |      |
| 1E | 25-206.146  | 10.790  | 2.874   |    | 3.08  | 3.08 | 4.62 | 4.62 | 137.625 | 41.323  | 0.08 |      |
| 1F | 25-206.146  | 10.790  | -10.141 |    | 3.08  | 3.08 | 4.62 | 4.62 | 137.625 | 119.369 | 0.08 |      |
| 1G | 25-206.146  | -10.600 | 2.874   |    | 3.08  | 3.08 | 4.62 | 4.62 | 135.647 | 41.323  | 0.08 |      |
| 1H | 25-206.146  | -10.600 | -10.141 |    | 3.08  | 3.08 | 4.62 | 4.62 | 135.647 | 119.369 | 0.08 |      |
| 1I | 25-215.598  | 23.372  | -0.569  |    | 3.08  | 3.08 | 4.62 | 4.62 | 226.320 | 8.174   | 0.10 |      |
| 1J | 25-215.598  | 23.372  | -6.698  |    | 3.08  | 3.08 | 4.62 | 4.62 | 226.320 | 83.333  | 0.10 |      |
| 1K | 25-215.598  | -23.182 | -0.569  |    | 3.08  | 3.08 | 4.62 | 4.62 | 225.358 | 8.174   | 0.10 |      |
| 1L | 25-215.598  | -23.182 | -6.698  |    | 3.08  | 3.08 | 4.62 | 4.62 | 225.358 | 83.333  | 0.10 |      |
| 1M | 25-207.059  | 23.372  | -0.569  |    | 3.08  | 3.08 | 4.62 | 4.62 | 231.020 | 8.545   | 0.10 |      |
| 1N | 25-207.059  | 23.372  | -6.698  |    | 3.08  | 3.08 | 4.62 | 4.62 | 231.020 | 86.185  | 0.10 |      |
| 1O | 25-207.059  | -23.182 | -0.569  |    | 3.08  | 3.08 | 4.62 | 4.62 | 230.080 | 8.545   | 0.10 |      |
| 1P | 25-207.059  | -23.182 | -6.698  |    | 3.08  | 3.08 | 4.62 | 4.62 | 230.080 | 86.185  | 0.10 |      |
| 1A | 325-198.854 | -13.753 | -27.578 |    | 3.08  | 3.08 | 4.62 | 4.62 | 170.505 | 193.654 | 0.14 |      |
| 1B | 325-198.854 | -13.753 | 42.886  |    | 3.08  | 3.08 | 4.62 | 4.62 | 170.505 | 159.856 | 0.27 |      |
| 1C | 325-198.854 | 15.004  | -27.578 |    | 3.08  | 3.08 | 4.62 | 4.62 | 181.386 | 193.654 | 0.14 |      |
| 1D | 325-198.854 | 15.004  | 42.886  |    | 3.08  | 3.08 | 4.62 | 4.62 | 181.386 | 159.856 | 0.27 |      |
| 1E | 325-188.489 | -13.753 | -27.578 |    | 3.08  | 3.08 | 4.62 | 4.62 | 177.176 | 192.739 | 0.14 |      |
| 1F | 325-188.489 | -13.753 | 42.886  |    | 3.08  | 3.08 | 4.62 | 4.62 | 177.176 | 152.714 | 0.28 |      |
| 1G | 325-188.489 | 15.004  | -27.578 |    | 3.08  | 3.08 | 4.62 | 4.62 | 188.164 | 192.739 | 0.14 |      |
| 1H | 325-188.489 | 15.004  | 42.886  |    | 3.08  | 3.08 | 4.62 | 4.62 | 188.164 | 152.714 | 0.28 |      |
| 1I | 325-197.941 | -30.209 | -8.850  |    | 3.08  | 3.08 | 4.62 | 4.62 | 261.404 | 111.331 | 0.12 |      |
| 1J | 325-197.941 | -30.209 | 24.159  |    | 3.08  | 3.08 | 4.62 | 4.62 | 261.404 | 191.568 | 0.13 |      |
| 1K | 325-197.941 | 31.459  | -8.850  |    | 3.08  | 3.08 | 4.62 | 4.62 | 264.695 | 111.331 | 0.12 |      |
| 1L | 325-197.941 | 31.459  | 24.159  |    | 3.08  | 3.08 | 4.62 | 4.62 | 264.695 | 191.568 | 0.13 |      |
| 1M | 325-189.402 | -30.209 | -8.850  |    | 3.08  | 3.08 | 4.62 | 4.62 | 264.973 | 115.013 | 0.11 |      |
| 1N | 325-189.402 | -30.209 | 24.159  |    | 3.08  | 3.08 | 4.62 | 4.62 | 264.973 | 193.381 | 0.12 |      |
| 1O | 325-189.402 | 31.459  | -8.850  |    | 3.08  | 3.08 | 4.62 | 4.62 | 267.292 | 115.013 | 0.12 |      |
| 1P | 325-189.402 | 31.459  | 24.159  |    | 3.08  | 3.08 | 4.62 | 4.62 | 267.292 | 193.381 | 0.12 |      |
| 1A | 350-197.383 | -15.816 | -30.491 |    | 3.08  | 3.08 | 4.62 | 4.62 | 189.007 | 190.878 | 0.16 |      |
| 1B | 350-197.383 | -15.816 | 46.929  |    | 3.08  | 3.08 | 4.62 | 4.62 | 189.007 | 146.740 | 0.32 |      |
| 1C | 350-197.383 | 17.120  | -30.491 |    | 3.08  | 3.08 | 4.62 | 4.62 | 199.041 | 190.878 | 0.16 |      |
| 1D | 350-197.383 | 17.120  | 46.929  |    | 3.08  | 3.08 | 4.62 | 4.62 | 199.041 | 146.740 | 0.32 |      |
| 1E | 350-187.017 | -15.816 | -30.491 |    | 3.08  | 3.08 | 4.62 | 4.62 | 195.873 | 188.089 | 0.16 |      |
| 1F | 350-187.017 | -15.816 | 46.929  |    | 3.08  | 3.08 | 4.62 | 4.62 | 195.873 | 139.336 | 0.34 |      |
| 1G | 350-187.017 | 17.120  | -30.491 |    | 3.08  | 3.08 | 4.62 | 4.62 | 205.765 | 188.089 | 0.16 |      |

|    |             |         |        |      |      |      |      |         |         |      |
|----|-------------|---------|--------|------|------|------|------|---------|---------|------|
| 1H | 350-187.017 | 17.120  | 46.929 | 3.08 | 3.08 | 4.62 | 4.62 | 205.765 | 139.336 | 0.34 |
| 1I | 350-196.469 | -34.692 | -9.916 | 3.08 | 3.08 | 4.62 | 4.62 | 268.583 | 121.570 | 0.13 |
| 1J | 350-196.469 | -34.692 | 26.354 | 3.08 | 3.08 | 4.62 | 4.62 | 268.583 | 193.782 | 0.14 |
| 1K | 350-196.469 | 35.995  | -9.916 | 3.08 | 3.08 | 4.62 | 4.62 | 268.730 | 121.570 | 0.13 |
| 1L | 350-196.469 | 35.995  | 26.354 | 3.08 | 3.08 | 4.62 | 4.62 | 268.730 | 193.782 | 0.14 |
| 1M | 350-187.931 | -34.692 | -9.916 | 3.08 | 3.08 | 4.62 | 4.62 | 268.701 | 125.402 | 0.13 |
| 1N | 350-187.931 | -34.692 | 26.354 | 3.08 | 3.08 | 4.62 | 4.62 | 268.701 | 193.533 | 0.14 |
| 1O | 350-187.931 | 35.995  | -9.916 | 3.08 | 3.08 | 4.62 | 4.62 | 268.264 | 125.402 | 0.13 |
| 1P | 350-187.931 | 35.995  | 26.354 | 3.08 | 3.08 | 4.62 | 4.62 | 268.264 | 193.533 | 0.14 |

ASTA NUM. 2 NI 66 NF 98 SEZ. Rp B= 0.600 H= 0.400 (pilastro)

PIL. NUM. 16

Copriferro: 3.0 cm

| NC | x           | Fx      | My      | Mz   | APOST | AANT | AINF | ASUP    | My.Res. | Mz.Res. | I.R. | Note |
|----|-------------|---------|---------|------|-------|------|------|---------|---------|---------|------|------|
|    | cm          | kN      | kN*m    |      | cmq   |      |      |         | kN*m    |         | Fx,M |      |
| 1A | 0-361.773   | 20.362  | -32.701 | 3.08 | 3.08  | 4.62 | 4.62 | 145.974 | 171.210 | 0.19    |      |      |
| 1B | 0-361.773   | 20.362  | -49.550 | 3.08 | 3.08  | 4.62 | 4.62 | 145.974 | 193.739 | 0.26    |      |      |
| 1C | 0-361.773   | -14.612 | -32.701 | 3.08 | 3.08  | 4.62 | 4.62 | 111.063 | 171.210 | 0.19    |      |      |
| 1D | 0-361.773   | -14.612 | -49.550 | 3.08 | 3.08  | 4.62 | 4.62 | 111.063 | 193.739 | 0.26    |      |      |
| 1E | 0-331.627   | 20.362  | -32.701 | 3.08 | 3.08  | 4.62 | 4.62 | 156.037 | 177.710 | 0.18    |      |      |
| 1F | 0-331.627   | 20.362  | -49.550 | 3.08 | 3.08  | 4.62 | 4.62 | 156.037 | 192.137 | 0.26    |      |      |
| 1G | 0-331.627   | -14.612 | -32.701 | 3.08 | 3.08  | 4.62 | 4.62 | 119.528 | 177.710 | 0.18    |      |      |
| 1H | 0-331.627   | -14.612 | -49.550 | 3.08 | 3.08  | 4.62 | 4.62 | 119.528 | 192.137 | 0.26    |      |      |
| 1I | 0-365.427   | 42.938  | -35.191 | 3.08 | 3.08  | 4.62 | 4.62 | 235.574 | 175.984 | 0.20    |      |      |
| 1J | 0-365.427   | 42.938  | -47.061 | 3.08 | 3.08  | 4.62 | 4.62 | 235.574 | 193.510 | 0.24    |      |      |
| 1K | 0-365.427   | -37.187 | -35.191 | 3.08 | 3.08  | 4.62 | 4.62 | 218.771 | 175.984 | 0.20    |      |      |
| 1L | 0-365.427   | -37.187 | -47.061 | 3.08 | 3.08  | 4.62 | 4.62 | 218.771 | 193.510 | 0.24    |      |      |
| 1M | 0-327.973   | 42.938  | -35.191 | 3.08 | 3.08  | 4.62 | 4.62 | 247.144 | 183.567 | 0.19    |      |      |
| 1N | 0-327.973   | 42.938  | -47.061 | 3.08 | 3.08  | 4.62 | 4.62 | 247.144 | 193.172 | 0.24    |      |      |
| 1O | 0-327.973   | -37.187 | -35.191 | 3.08 | 3.08  | 4.62 | 4.62 | 231.537 | 183.567 | 0.19    |      |      |
| 1P | 0-327.973   | -37.187 | -47.061 | 3.08 | 3.08  | 4.62 | 4.62 | 231.537 | 193.172 | 0.24    |      |      |
| 1A | 12-361.037  | 18.862  | -32.716 | 3.08 | 3.08  | 4.62 | 4.62 | 137.423 | 171.400 | 0.19    |      |      |
| 1B | 12-361.037  | 18.862  | -48.484 | 3.08 | 3.08  | 4.62 | 4.62 | 137.423 | 193.783 | 0.25    |      |      |
| 1C | 12-361.037  | -13.188 | -32.716 | 3.08 | 3.08  | 4.62 | 4.62 | 101.881 | 171.400 | 0.19    |      |      |
| 1D | 12-361.037  | -13.188 | -48.484 | 3.08 | 3.08  | 4.62 | 4.62 | 101.881 | 193.783 | 0.25    |      |      |
| 1E | 12-330.891  | 18.862  | -32.716 | 3.08 | 3.08  | 4.62 | 4.62 | 147.437 | 177.901 | 0.18    |      |      |
| 1F | 12-330.891  | 18.862  | -48.484 | 3.08 | 3.08  | 4.62 | 4.62 | 147.437 | 192.702 | 0.25    |      |      |
| 1G | 12-330.891  | -13.188 | -32.716 | 3.08 | 3.08  | 4.62 | 4.62 | 109.815 | 177.901 | 0.18    |      |      |
| 1H | 12-330.891  | -13.188 | -48.484 | 3.08 | 3.08  | 4.62 | 4.62 | 109.815 | 192.702 | 0.25    |      |      |
| 1I | 12-364.691  | 39.535  | -35.066 | 3.08 | 3.08  | 4.62 | 4.62 | 226.322 | 175.871 | 0.20    |      |      |
| 1J | 12-364.691  | 39.535  | -46.133 | 3.08 | 3.08  | 4.62 | 4.62 | 226.322 | 193.247 | 0.24    |      |      |
| 1K | 12-364.691  | -33.862 | -35.066 | 3.08 | 3.08  | 4.62 | 4.62 | 207.527 | 175.871 | 0.20    |      |      |
| 1L | 12-364.691  | -33.862 | -46.133 | 3.08 | 3.08  | 4.62 | 4.62 | 207.527 | 193.247 | 0.24    |      |      |
| 1M | 12-327.237  | 39.535  | -35.066 | 3.08 | 3.08  | 4.62 | 4.62 | 238.654 | 183.480 | 0.19    |      |      |
| 1N | 12-327.237  | 39.535  | -46.133 | 3.08 | 3.08  | 4.62 | 4.62 | 238.654 | 193.464 | 0.24    |      |      |
| 1O | 12-327.237  | -33.862 | -35.066 | 3.08 | 3.08  | 4.62 | 4.62 | 220.784 | 183.480 | 0.19    |      |      |
| 1P | 12-327.237  | -33.862 | -46.133 | 3.08 | 3.08  | 4.62 | 4.62 | 220.784 | 193.464 | 0.24    |      |      |
| 1A | 25-360.302  | 17.209  | -30.626 | 3.08 | 3.08  | 4.62 | 4.62 | 127.812 | 166.366 | 0.18    |      |      |
| 1B | 25-360.302  | 17.209  | -45.313 | 3.08 | 3.08  | 4.62 | 4.62 | 127.812 | 193.143 | 0.23    |      |      |
| 1C | 25-360.302  | -11.919 | -30.626 | 3.08 | 3.08  | 4.62 | 4.62 | 93.598  | 166.366 | 0.18    |      |      |
| 1D | 25-360.302  | -11.919 | -45.313 | 3.08 | 3.08  | 4.62 | 4.62 | 93.598  | 193.143 | 0.23    |      |      |
| 1E | 25-330.156  | 17.209  | -30.626 | 3.08 | 3.08  | 4.62 | 4.62 | 137.161 | 173.189 | 0.18    |      |      |
| 1F | 25-330.156  | 17.209  | -45.313 | 3.08 | 3.08  | 4.62 | 4.62 | 137.161 | 193.728 | 0.23    |      |      |
| 1G | 25-330.156  | -11.919 | -30.626 | 3.08 | 3.08  | 4.62 | 4.62 | 100.842 | 173.189 | 0.18    |      |      |
| 1H | 25-330.156  | -11.919 | -45.313 | 3.08 | 3.08  | 4.62 | 4.62 | 100.842 | 193.728 | 0.23    |      |      |
| 1I | 25-363.956  | 35.979  | -32.837 | 3.08 | 3.08  | 4.62 | 4.62 | 215.243 | 171.065 | 0.19    |      |      |
| 1J | 25-363.956  | 35.979  | -43.102 | 3.08 | 3.08  | 4.62 | 4.62 | 215.243 | 189.799 | 0.23    |      |      |
| 1K | 25-363.956  | -30.690 | -32.837 | 3.08 | 3.08  | 4.62 | 4.62 | 195.496 | 171.065 | 0.19    |      |      |
| 1L | 25-363.956  | -30.690 | -43.102 | 3.08 | 3.08  | 4.62 | 4.62 | 195.496 | 189.799 | 0.23    |      |      |
| 1M | 25-326.502  | 35.979  | -32.837 | 3.08 | 3.08  | 4.62 | 4.62 | 228.238 | 179.118 | 0.18    |      |      |
| 1N | 25-326.502  | 35.979  | -43.102 | 3.08 | 3.08  | 4.62 | 4.62 | 228.238 | 193.731 | 0.22    |      |      |
| 1O | 25-326.502  | -30.690 | -32.837 | 3.08 | 3.08  | 4.62 | 4.62 | 209.043 | 179.118 | 0.18    |      |      |
| 1P | 25-326.502  | -30.690 | -43.102 | 3.08 | 3.08  | 4.62 | 4.62 | 209.043 | 193.731 | 0.22    |      |      |
| 1A | 325-342.644 | -22.481 | 19.533  | 3.08 | 3.08  | 4.62 | 4.62 | 164.024 | 132.137 | 0.15    |      |      |
| 1B | 325-342.644 | -22.481 | 30.785  | 3.08 | 3.08  | 4.62 | 4.62 | 164.024 | 170.741 | 0.18    |      |      |
| 1C | 325-342.644 | 18.551  | 19.533  | 3.08 | 3.08  | 4.62 | 4.62 | 141.450 | 132.137 | 0.15    |      |      |
| 1D | 325-342.644 | 18.551  | 30.785  | 3.08 | 3.08  | 4.62 | 4.62 | 141.450 | 170.741 | 0.18    |      |      |
| 1E | 325-312.498 | -22.481 | 19.533  | 3.08 | 3.08  | 4.62 | 4.62 | 175.399 | 140.209 | 0.14    |      |      |
| 1F | 325-312.498 | -22.481 | 30.785  | 3.08 | 3.08  | 4.62 | 4.62 | 175.399 | 177.640 | 0.17    |      |      |
| 1G | 325-312.498 | 18.551  | 19.533  | 3.08 | 3.08  | 4.62 | 4.62 | 152.035 | 140.209 | 0.14    |      |      |
| 1H | 325-312.498 | 18.551  | 30.785  | 3.08 | 3.08  | 4.62 | 4.62 | 152.035 | 177.640 | 0.17    |      |      |
| 1I | 325-346.298 | -49.370 | 20.657  | 3.08 | 3.08  | 4.62 | 4.62 | 255.410 | 136.107 | 0.19    |      |      |
| 1J | 325-346.298 | -49.370 | 29.662  | 3.08 | 3.08  | 4.62 | 4.62 | 255.410 | 166.980 | 0.19    |      |      |
| 1K | 325-346.298 | 45.440  | 20.657  | 3.08 | 3.08  | 4.62 | 4.62 | 247.375 | 136.107 | 0.18    |      |      |
| 1L | 325-346.298 | 45.440  | 29.662  | 3.08 | 3.08  | 4.62 | 4.62 | 247.375 | 166.980 | 0.18    |      |      |
| 1M | 325-308.844 | -49.370 | 20.657  | 3.08 | 3.08  | 4.62 | 4.62 | 265.147 | 146.126 | 0.19    |      |      |
| 1N | 325-308.844 | -49.370 | 29.662  | 3.08 | 3.08  | 4.62 | 4.62 | 265.147 | 175.786 | 0.19    |      |      |
| 1O | 325-308.844 | 45.440  | 20.657  | 3.08 | 3.08  | 4.62 | 4.62 | 258.254 | 146.126 | 0.18    |      |      |
| 1P | 325-308.844 | 45.440  | 29.662  | 3.08 | 3.08  | 4.62 | 4.62 | 258.254 | 175.786 | 0.18    |      |      |
| 1A | 350-341.173 | -25.634 | 21.609  | 3.08 | 3.08  | 4.62 | 4.62 | 180.858 | 141.366 | 0.15    |      |      |
| 1B | 350-341.173 | -25.634 | 35.023  | 3.08 | 3.08  | 4.62 | 4.62 | 180.858 | 180.557 | 0.19    |      |      |
| 1C | 350-341.173 | 21.244  | 21.609  | 3.08 | 3.08  | 4.62 | 4.62 | 157.710 | 141.366 | 0.15    |      |      |
| 1D | 350-341.173 | 21.244  | 35.023  | 3.08 | 3.08  | 4.62 | 4.62 | 157.710 | 180.557 | 0.19    |      |      |
| 1E | 350-311.027 | -25.634 | 21.609  | 3.08 | 3.08  | 4.62 | 4.62 | 192.588 | 149.429 | 0.14    |      |      |
| 1F | 350-311.027 | -25.634 | 35.023  | 3.08 | 3.08  | 4.62 | 4.62 | 192.588 | 186.700 | 0.19    |      |      |
| 1G | 350-311.027 | 21.244  | 21.609  | 3.08 | 3.08  | 4.62 | 4.62 | 168.955 | 149.429 | 0.14    |      |      |
| 1H | 350-311.027 | 21.244  | 35.023  | 3.08 | 3.08  | 4.62 | 4.62 | 168.955 | 186.700 | 0.19    |      |      |
| 1I | 350-344.827 | -56.329 | 23.011  | 3.08 | 3.08  | 4.62 | 4.62 | 266.724 | 145.926 | 0.21    |      |      |
| 1J | 350-344.827 | -56.329 | 33.621  | 3.08 | 3.08  | 4.62 | 4.62 | 266.724 | 176.892 | 0.21    |      |      |
| 1K | 350-344.827 | 51.938  | 23.011  | 3.08 | 3.08  | 4.62 | 4.62 | 260.290 | 145.926 | 0.20    |      |      |
| 1L | 350-344.827 | 51.938  | 33.621  | 3.08 | 3.08  | 4.62 | 4.62 | 260.290 | 176.892 | 0.20    |      |      |

|    |             |         |        |      |      |      |      |         |         |      |
|----|-------------|---------|--------|------|------|------|------|---------|---------|------|
| 1M | 350-307.373 | -56.329 | 23.011 | 3.08 | 3.08 | 4.62 | 4.62 | 268.729 | 155.847 | 0.21 |
| 1N | 350-307.373 | -56.329 | 33.621 | 3.08 | 3.08 | 4.62 | 4.62 | 268.729 | 184.836 | 0.21 |
| 1O | 350-307.373 | 51.938  | 23.011 | 3.08 | 3.08 | 4.62 | 4.62 | 267.779 | 155.847 | 0.19 |
| 1P | 350-307.373 | 51.938  | 33.621 | 3.08 | 3.08 | 4.62 | 4.62 | 267.779 | 184.836 | 0.19 |

ASTA NUM. 3 NI 67 NF 99 SEZ. Rp B= 0.600 H= 0.400 (pilastro)

PIL. NUM. 11

Copriferro: 3.0 cm

| NC | x           | Fx      | My      | Mz   | APOST | AANT | AINF | ASUP    | My.Res. | Mz.Res. | I.R. | Note |
|----|-------------|---------|---------|------|-------|------|------|---------|---------|---------|------|------|
|    | cm          | kN      | kN*m    |      | cmq   |      |      |         | kN*m    |         | Fx,M |      |
| 1A | 0-465.093   | 17.621  | 5.869   | 3.08 | 3.08  | 4.62 | 4.62 | 105.142 | 37.654  | 0.17    |      |      |
| 1B | 0-465.093   | 17.621  | -0.924  | 3.08 | 3.08  | 4.62 | 4.62 | 105.142 | 6.146   | 0.17    |      |      |
| 1C | 0-465.093   | -10.952 | 5.869   | 3.08 | 3.08  | 4.62 | 4.62 | 69.158  | 37.654  | 0.17    |      |      |
| 1D | 0-465.093   | -10.952 | -0.924  | 3.08 | 3.08  | 4.62 | 4.62 | 69.158  | 6.146   | 0.17    |      |      |
| 1E | 0-427.507   | 17.621  | 5.869   | 3.08 | 3.08  | 4.62 | 4.62 | 112.993 | 40.736  | 0.16    |      |      |
| 1F | 0-427.507   | 17.621  | -0.924  | 3.08 | 3.08  | 4.62 | 4.62 | 112.993 | 6.658   | 0.16    |      |      |
| 1G | 0-427.507   | -10.952 | 5.869   | 3.08 | 3.08  | 4.62 | 4.62 | 74.505  | 40.736  | 0.16    |      |      |
| 1H | 0-427.507   | -10.952 | -0.924  | 3.08 | 3.08  | 4.62 | 4.62 | 74.505  | 6.658   | 0.16    |      |      |
| 1I | 0-464.141   | 35.985  | 6.185   | 3.08 | 3.08  | 4.62 | 4.62 | 184.822 | 39.626  | 0.19    |      |      |
| 1J | 0-464.141   | 35.985  | -1.240  | 3.08 | 3.08  | 4.62 | 4.62 | 184.822 | 8.292   | 0.19    |      |      |
| 1K | 0-464.141   | -29.316 | 6.185   | 3.08 | 3.08  | 4.62 | 4.62 | 159.424 | 39.626  | 0.18    |      |      |
| 1L | 0-464.141   | -29.316 | -1.240  | 3.08 | 3.08  | 4.62 | 4.62 | 159.424 | 8.292   | 0.18    |      |      |
| 1M | 0-428.459   | 35.985  | 6.185   | 3.08 | 3.08  | 4.62 | 4.62 | 194.989 | 42.677  | 0.18    |      |      |
| 1N | 0-428.459   | 35.985  | -1.240  | 3.08 | 3.08  | 4.62 | 4.62 | 194.989 | 8.942   | 0.18    |      |      |
| 1O | 0-428.459   | -29.316 | 6.185   | 3.08 | 3.08  | 4.62 | 4.62 | 169.172 | 42.677  | 0.17    |      |      |
| 1P | 0-428.459   | -29.316 | -1.240  | 3.08 | 3.08  | 4.62 | 4.62 | 169.172 | 8.942   | 0.17    |      |      |
| 1A | 12-464.357  | 16.454  | 5.294   | 3.08 | 3.08  | 4.62 | 4.62 | 99.218  | 34.216  | 0.17    |      |      |
| 1B | 12-464.357  | 16.454  | -0.419  | 3.08 | 3.08  | 4.62 | 4.62 | 99.218  | 2.610   | 0.17    |      |      |
| 1C | 12-464.357  | -9.910  | 5.294   | 3.08 | 3.08  | 4.62 | 4.62 | 63.183  | 34.216  | 0.17    |      |      |
| 1D | 12-464.357  | -9.910  | -0.419  | 3.08 | 3.08  | 4.62 | 4.62 | 63.183  | 2.610   | 0.17    |      |      |
| 1E | 12-426.771  | 16.454  | 5.294   | 3.08 | 3.08  | 4.62 | 4.62 | 106.735 | 37.059  | 0.16    |      |      |
| 1F | 12-426.771  | 16.454  | -0.419  | 3.08 | 3.08  | 4.62 | 4.62 | 106.735 | 2.885   | 0.16    |      |      |
| 1G | 12-426.771  | -9.910  | 5.294   | 3.08 | 3.08  | 4.62 | 4.62 | 68.280  | 37.059  | 0.16    |      |      |
| 1H | 12-426.771  | -9.910  | -0.419  | 3.08 | 3.08  | 4.62 | 4.62 | 68.280  | 2.885   | 0.16    |      |      |
| 1I | 12-463.405  | 33.426  | 5.812   | 3.08 | 3.08  | 4.62 | 4.62 | 175.732 | 37.439  | 0.19    |      |      |
| 1J | 12-463.405  | 33.426  | -0.936  | 3.08 | 3.08  | 4.62 | 4.62 | 175.732 | 6.198   | 0.19    |      |      |
| 1K | 12-463.405  | -26.881 | 5.812   | 3.08 | 3.08  | 4.62 | 4.62 | 149.313 | 37.439  | 0.18    |      |      |
| 1L | 12-463.405  | -26.881 | -0.936  | 3.08 | 3.08  | 4.62 | 4.62 | 149.313 | 6.198   | 0.18    |      |      |
| 1M | 12-427.723  | 33.426  | 5.812   | 3.08 | 3.08  | 4.62 | 4.62 | 185.827 | 40.350  | 0.18    |      |      |
| 1N | 12-427.723  | 33.426  | -0.936  | 3.08 | 3.08  | 4.62 | 4.62 | 185.827 | 6.769   | 0.18    |      |      |
| 1O | 12-427.723  | -26.881 | 5.812   | 3.08 | 3.08  | 4.62 | 4.62 | 158.823 | 40.350  | 0.17    |      |      |
| 1P | 12-427.723  | -26.881 | -0.936  | 3.08 | 3.08  | 4.62 | 4.62 | 158.823 | 6.769   | 0.17    |      |      |
| 1A | 25-463.622  | 15.038  | 4.581   | 3.08 | 3.08  | 4.62 | 4.62 | 91.996  | 29.978  | 0.17    |      |      |
| 1B | 25-463.622  | 15.038  | -0.054  | 3.08 | 3.08  | 4.62 | 4.62 | 91.996  | 0.057   | 0.17    |      |      |
| 1C | 25-463.622  | -9.117  | 4.581   | 3.08 | 3.08  | 4.62 | 4.62 | 58.561  | 29.978  | 0.17    |      |      |
| 1D | 25-463.622  | -9.117  | -0.054  | 3.08 | 3.08  | 4.62 | 4.62 | 58.561  | 0.057   | 0.17    |      |      |
| 1E | 25-426.036  | 15.038  | 4.581   | 3.08 | 3.08  | 4.62 | 4.62 | 98.884  | 32.353  | 0.16    |      |      |
| 1F | 25-426.036  | 15.038  | -0.054  | 3.08 | 3.08  | 4.62 | 4.62 | 98.884  | 0.097   | 0.16    |      |      |
| 1G | 25-426.036  | -9.117  | 4.581   | 3.08 | 3.08  | 4.62 | 4.62 | 63.345  | 32.353  | 0.16    |      |      |
| 1H | 25-426.036  | -9.117  | -0.054  | 3.08 | 3.08  | 4.62 | 4.62 | 63.345  | 0.097   | 0.16    |      |      |
| 1I | 25-462.670  | 30.617  | 5.299   | 3.08 | 3.08  | 4.62 | 4.62 | 165.069 | 34.362  | 0.19    |      |      |
| 1J | 25-462.670  | 30.617  | -0.773  | 3.08 | 3.08  | 4.62 | 4.62 | 165.069 | 5.081   | 0.19    |      |      |
| 1K | 25-462.670  | -24.696 | 5.299   | 3.08 | 3.08  | 4.62 | 4.62 | 139.836 | 34.362  | 0.18    |      |      |
| 1L | 25-462.670  | -24.696 | -0.773  | 3.08 | 3.08  | 4.62 | 4.62 | 139.836 | 5.081   | 0.18    |      |      |
| 1M | 25-426.988  | 30.617  | 5.299   | 3.08 | 3.08  | 4.62 | 4.62 | 174.991 | 37.071  | 0.17    |      |      |
| 1N | 25-426.988  | 30.617  | -0.773  | 3.08 | 3.08  | 4.62 | 4.62 | 174.991 | 5.551   | 0.17    |      |      |
| 1O | 25-426.988  | -24.696 | 5.299   | 3.08 | 3.08  | 4.62 | 4.62 | 148.966 | 37.071  | 0.17    |      |      |
| 1P | 25-426.988  | -24.696 | -0.773  | 3.08 | 3.08  | 4.62 | 4.62 | 148.966 | 5.551   | 0.17    |      |      |
| 1A | 325-445.964 | -18.952 | -12.547 | 3.08 | 3.08  | 4.62 | 4.62 | 115.951 | 76.824  | 0.17    |      |      |
| 1B | 325-445.964 | -18.952 | 8.700   | 3.08 | 3.08  | 4.62 | 4.62 | 115.951 | 55.975  | 0.17    |      |      |
| 1C | 325-445.964 | 9.903   | -12.547 | 3.08 | 3.08  | 4.62 | 4.62 | 65.541  | 76.824  | 0.17    |      |      |
| 1D | 325-445.964 | 9.903   | 8.700   | 3.08 | 3.08  | 4.62 | 4.62 | 65.541  | 55.975  | 0.17    |      |      |
| 1E | 325-408.378 | -18.952 | -12.547 | 3.08 | 3.08  | 4.62 | 4.62 | 124.808 | 82.559  | 0.15    |      |      |
| 1F | 325-408.378 | -18.952 | 8.700   | 3.08 | 3.08  | 4.62 | 4.62 | 124.808 | 60.367  | 0.15    |      |      |
| 1G | 325-408.378 | 9.903   | -12.547 | 3.08 | 3.08  | 4.62 | 4.62 | 71.035  | 82.559  | 0.15    |      |      |
| 1H | 325-408.378 | 9.903   | 8.700   | 3.08 | 3.08  | 4.62 | 4.62 | 71.035  | 60.367  | 0.15    |      |      |
| 1I | 325-445.012 | -36.799 | -7.007  | 3.08 | 3.08  | 4.62 | 4.62 | 193.009 | 46.092  | 0.19    |      |      |
| 1J | 325-445.012 | -36.799 | 3.161   | 3.08 | 3.08  | 4.62 | 4.62 | 193.009 | 21.873  | 0.19    |      |      |
| 1K | 325-445.012 | 27.750  | -7.007  | 3.08 | 3.08  | 4.62 | 4.62 | 157.885 | 46.092  | 0.18    |      |      |
| 1L | 325-445.012 | 27.750  | 3.161   | 3.08 | 3.08  | 4.62 | 4.62 | 157.885 | 21.873  | 0.18    |      |      |
| 1M | 325-409.330 | -36.799 | -7.007  | 3.08 | 3.08  | 4.62 | 4.62 | 203.515 | 49.759  | 0.18    |      |      |
| 1N | 325-409.330 | -36.799 | 3.161   | 3.08 | 3.08  | 4.62 | 4.62 | 203.515 | 23.605  | 0.18    |      |      |
| 1O | 325-409.330 | 27.750  | -7.007  | 3.08 | 3.08  | 4.62 | 4.62 | 168.034 | 49.759  | 0.17    |      |      |
| 1P | 325-409.330 | 27.750  | 3.161   | 3.08 | 3.08  | 4.62 | 4.62 | 168.034 | 23.605  | 0.17    |      |      |
| 1A | 350-444.493 | -21.535 | -13.834 | 3.08 | 3.08  | 4.62 | 4.62 | 129.169 | 83.460  | 0.17    |      |      |
| 1B | 350-444.493 | -21.535 | 9.569   | 3.08 | 3.08  | 4.62 | 4.62 | 129.169 | 60.931  | 0.17    |      |      |
| 1C | 350-444.493 | 11.738  | -13.834 | 3.08 | 3.08  | 4.62 | 4.62 | 76.586  | 83.460  | 0.17    |      |      |
| 1D | 350-444.493 | 11.738  | 9.569   | 3.08 | 3.08  | 4.62 | 4.62 | 76.586  | 60.931  | 0.17    |      |      |
| 1E | 350-406.907 | -21.535 | -13.834 | 3.08 | 3.08  | 4.62 | 4.62 | 138.869 | 89.793  | 0.15    |      |      |
| 1F | 350-406.907 | -21.535 | 9.569   | 3.08 | 3.08  | 4.62 | 4.62 | 138.869 | 65.859  | 0.15    |      |      |
| 1G | 350-406.907 | 11.738  | -13.834 | 3.08 | 3.08  | 4.62 | 4.62 | 82.920  | 89.793  | 0.15    |      |      |
| 1H | 350-406.907 | 11.738  | 9.569   | 3.08 | 3.08  | 4.62 | 4.62 | 82.920  | 65.859  | 0.15    |      |      |
| 1I | 350-443.541 | -42.167 | -7.894  | 3.08 | 3.08  | 4.62 | 4.62 | 210.445 | 51.541  | 0.20    |      |      |
| 1J | 350-443.541 | -42.167 | 3.629   | 3.08 | 3.08  | 4.62 | 4.62 | 210.445 | 24.978  | 0.20    |      |      |
| 1K | 350-443.541 | 32.370  | -7.894  | 3.08 | 3.08  | 4.62 | 4.62 | 177.200 | 51.541  | 0.18    |      |      |
| 1L | 350-443.541 | 32.370  | 3.629   | 3.08 | 3.08  | 4.62 | 4.62 | 177.200 | 24.978  | 0.18    |      |      |
| 1M | 350-407.859 | -42.167 | -7.894  | 3.08 | 3.08  | 4.62 | 4.62 | 220.679 | 55.577  | 0.19    |      |      |
| 1N | 350-407.859 | -42.167 | 3.629   | 3.08 | 3.08  | 4.62 | 4.62 | 220.679 | 27.103  | 0.19    |      |      |
| 1O | 350-407.859 | 32.370  | -7.894  | 3.08 | 3.08  | 4.62 | 4.62 | 187.789 | 55.577  | 0.17    |      |      |
| 1P | 350-407.859 | 32.370  | 3.629   | 3.08 | 3.08  | 4.62 | 4.62 | 187.789 | 27.103  | 0.17    |      |      |



ASTA NUM. 4 NI 68 NF 100 SEZ. Rp B= 0.600 H= 0.400 (pilaastro)

PIL. NUM. 23

Copriferro: 3.0 cm

| NC | x           | Fx      | My      | Mz | APOST | AANT | AINF | ASUP | My.Res. | Mz.Res. | I.R. | Note |
|----|-------------|---------|---------|----|-------|------|------|------|---------|---------|------|------|
|    | cm          | kN      | kN*m    |    |       | cmq  |      |      | kN*m    |         | Fx,M |      |
| 1A | 0-470.879   | 9.819   | 21.695  |    | 3.08  | 3.08 | 4.62 | 4.62 | 61.846  | 113.836 | 0.19 |      |
| 1B | 0-470.879   | 9.819   | -15.406 |    | 3.08  | 3.08 | 4.62 | 4.62 | 61.846  | 86.998  | 0.18 |      |
| 1C | 0-470.879   | -23.785 | 21.695  |    | 3.08  | 3.08 | 4.62 | 4.62 | 133.686 | 113.836 | 0.19 |      |
| 1D | 0-470.879   | -23.785 | -15.406 |    | 3.08  | 3.08 | 4.62 | 4.62 | 133.686 | 86.998  | 0.18 |      |
| 1E | 0-391.721   | 9.819   | 21.695  |    | 3.08  | 3.08 | 4.62 | 4.62 | 73.202  | 129.614 | 0.17 |      |
| 1F | 0-391.721   | 9.819   | -15.406 |    | 3.08  | 3.08 | 4.62 | 4.62 | 73.202  | 100.976 | 0.15 |      |
| 1G | 0-391.721   | -23.785 | 21.695  |    | 3.08  | 3.08 | 4.62 | 4.62 | 154.707 | 129.614 | 0.17 |      |
| 1H | 0-391.721   | -23.785 | -15.406 |    | 3.08  | 3.08 | 4.62 | 4.62 | 154.707 | 100.976 | 0.15 |      |
| 1I | 0-449.480   | 29.234  | 11.109  |    | 3.08  | 3.08 | 4.62 | 4.62 | 162.966 | 68.764  | 0.18 |      |
| 1J | 0-449.480   | 29.234  | -4.819  |    | 3.08  | 3.08 | 4.62 | 4.62 | 162.966 | 32.267  | 0.18 |      |
| 1K | 0-449.480   | -43.200 | 11.109  |    | 3.08  | 3.08 | 4.62 | 4.62 | 211.787 | 68.764  | 0.20 |      |
| 1L | 0-449.480   | -43.200 | -4.819  |    | 3.08  | 3.08 | 4.62 | 4.62 | 211.787 | 32.267  | 0.20 |      |
| 1M | 0-413.120   | 29.234  | 11.109  |    | 3.08  | 3.08 | 4.62 | 4.62 | 173.347 | 73.931  | 0.17 |      |
| 1N | 0-413.120   | 29.234  | -4.819  |    | 3.08  | 3.08 | 4.62 | 4.62 | 173.347 | 34.968  | 0.17 |      |
| 1O | 0-413.120   | -43.200 | 11.109  |    | 3.08  | 3.08 | 4.62 | 4.62 | 222.045 | 73.931  | 0.19 |      |
| 1P | 0-413.120   | -43.200 | -4.819  |    | 3.08  | 3.08 | 4.62 | 4.62 | 222.045 | 34.968  | 0.19 |      |
| 1A | 12-470.143  | 8.612   | 18.880  |    | 3.08  | 3.08 | 4.62 | 4.62 | 54.941  | 102.544 | 0.18 |      |
| 1B | 12-470.143  | 8.612   | -12.666 |    | 3.08  | 3.08 | 4.62 | 4.62 | 54.941  | 74.049  | 0.18 |      |
| 1C | 12-470.143  | -22.396 | 18.880  |    | 3.08  | 3.08 | 4.62 | 4.62 | 127.536 | 102.544 | 0.18 |      |
| 1D | 12-470.143  | -22.396 | -12.666 |    | 3.08  | 3.08 | 4.62 | 4.62 | 127.536 | 74.049  | 0.18 |      |
| 1E | 12-390.985  | 8.612   | 18.880  |    | 3.08  | 3.08 | 4.62 | 4.62 | 65.053  | 117.792 | 0.16 |      |
| 1F | 12-390.985  | 8.612   | -12.666 |    | 3.08  | 3.08 | 4.62 | 4.62 | 65.053  | 86.284  | 0.15 |      |
| 1G | 12-390.985  | -22.396 | 18.880  |    | 3.08  | 3.08 | 4.62 | 4.62 | 147.823 | 117.792 | 0.16 |      |
| 1H | 12-390.985  | -22.396 | -12.666 |    | 3.08  | 3.08 | 4.62 | 4.62 | 147.823 | 86.284  | 0.15 |      |
| 1I | 12-448.744  | 26.513  | 9.861   |    | 3.08  | 3.08 | 4.62 | 4.62 | 151.479 | 62.048  | 0.17 |      |
| 1J | 12-448.744  | 26.513  | -3.647  |    | 3.08  | 3.08 | 4.62 | 4.62 | 151.479 | 24.817  | 0.17 |      |
| 1K | 12-448.744  | -40.297 | 9.861   |    | 3.08  | 3.08 | 4.62 | 4.62 | 203.377 | 62.048  | 0.20 |      |
| 1L | 12-448.744  | -40.297 | -3.647  |    | 3.08  | 3.08 | 4.62 | 4.62 | 203.377 | 24.817  | 0.20 |      |
| 1M | 12-412.384  | 26.513  | 9.861   |    | 3.08  | 3.08 | 4.62 | 4.62 | 161.564 | 66.824  | 0.16 |      |
| 1N | 12-412.384  | 26.513  | -3.647  |    | 3.08  | 3.08 | 4.62 | 4.62 | 161.564 | 26.945  | 0.16 |      |
| 1O | 12-412.384  | -40.297 | 9.861   |    | 3.08  | 3.08 | 4.62 | 4.62 | 213.824 | 66.824  | 0.19 |      |
| 1P | 12-412.384  | -40.297 | -3.647  |    | 3.08  | 3.08 | 4.62 | 4.62 | 213.824 | 26.945  | 0.19 |      |
| 1A | 25-469.408  | 7.768   | 15.915  |    | 3.08  | 3.08 | 4.62 | 4.62 | 49.942  | 89.588  | 0.18 |      |
| 1B | 25-469.408  | 7.768   | -10.074 |    | 3.08  | 3.08 | 4.62 | 4.62 | 49.942  | 60.762  | 0.18 |      |
| 1C | 25-469.408  | -20.644 | 15.915  |    | 3.08  | 3.08 | 4.62 | 4.62 | 119.341 | 89.588  | 0.18 |      |
| 1D | 25-469.408  | -20.644 | -10.074 |    | 3.08  | 3.08 | 4.62 | 4.62 | 119.341 | 60.762  | 0.18 |      |
| 1E | 25-390.250  | 7.768   | 15.915  |    | 3.08  | 3.08 | 4.62 | 4.62 | 59.228  | 103.798 | 0.15 |      |
| 1F | 25-390.250  | 7.768   | -10.074 |    | 3.08  | 3.08 | 4.62 | 4.62 | 59.228  | 71.396  | 0.15 |      |
| 1G | 25-390.250  | -20.644 | 15.915  |    | 3.08  | 3.08 | 4.62 | 4.62 | 138.820 | 103.798 | 0.15 |      |
| 1H | 25-390.250  | -20.644 | -10.074 |    | 3.08  | 3.08 | 4.62 | 4.62 | 138.820 | 71.396  | 0.15 |      |
| 1I | 25-448.009  | 24.155  | 8.464   |    | 3.08  | 3.08 | 4.62 | 4.62 | 140.979 | 54.393  | 0.17 |      |
| 1J | 25-448.009  | 24.155  | -2.624  |    | 3.08  | 3.08 | 4.62 | 4.62 | 140.979 | 18.061  | 0.17 |      |
| 1K | 25-448.009  | -37.031 | 8.464   |    | 3.08  | 3.08 | 4.62 | 4.62 | 192.957 | 54.393  | 0.19 |      |
| 1L | 25-448.009  | -37.031 | -2.624  |    | 3.08  | 3.08 | 4.62 | 4.62 | 192.957 | 18.061  | 0.19 |      |
| 1M | 25-411.649  | 24.155  | 8.464   |    | 3.08  | 3.08 | 4.62 | 4.62 | 150.673 | 58.652  | 0.16 |      |
| 1N | 25-411.649  | 24.155  | -2.624  |    | 3.08  | 3.08 | 4.62 | 4.62 | 150.673 | 19.655  | 0.16 |      |
| 1O | 25-411.649  | -37.031 | 8.464   |    | 3.08  | 3.08 | 4.62 | 4.62 | 203.597 | 58.652  | 0.18 |      |
| 1P | 25-411.649  | -37.031 | -2.624  |    | 3.08  | 3.08 | 4.62 | 4.62 | 203.597 | 19.655  | 0.18 |      |
| 1A | 325-451.750 | -12.490 | -55.242 |    | 3.08  | 3.08 | 4.62 | 4.62 | 79.827  | 191.678 | 0.29 |      |
| 1B | 325-451.750 | -12.490 | 52.117  |    | 3.08  | 3.08 | 4.62 | 4.62 | 79.827  | 188.212 | 0.28 |      |
| 1C | 325-451.750 | 21.406  | -55.242 |    | 3.08  | 3.08 | 4.62 | 4.62 | 126.979 | 191.678 | 0.29 |      |
| 1D | 325-451.750 | 21.406  | 52.117  |    | 3.08  | 3.08 | 4.62 | 4.62 | 126.979 | 188.212 | 0.28 |      |
| 1E | 325-372.592 | -12.490 | -55.242 |    | 3.08  | 3.08 | 4.62 | 4.62 | 94.688  | 192.376 | 0.29 |      |
| 1F | 325-372.592 | -12.490 | 52.117  |    | 3.08  | 3.08 | 4.62 | 4.62 | 94.688  | 193.563 | 0.27 |      |
| 1G | 325-372.592 | 21.406  | -55.242 |    | 3.08  | 3.08 | 4.62 | 4.62 | 148.174 | 192.376 | 0.29 |      |
| 1H | 325-372.592 | 21.406  | 52.117  |    | 3.08  | 3.08 | 4.62 | 4.62 | 148.174 | 193.563 | 0.27 |      |
| 1I | 325-430.351 | -32.436 | -25.058 |    | 3.08  | 3.08 | 4.62 | 4.62 | 181.253 | 133.991 | 0.19 |      |
| 1J | 325-430.351 | -32.436 | 21.934  |    | 3.08  | 3.08 | 4.62 | 4.62 | 181.253 | 122.408 | 0.18 |      |
| 1K | 325-430.351 | 41.352  | -25.058 |    | 3.08  | 3.08 | 4.62 | 4.62 | 211.759 | 133.991 | 0.20 |      |
| 1L | 325-430.351 | 41.352  | 21.934  |    | 3.08  | 3.08 | 4.62 | 4.62 | 211.759 | 122.408 | 0.20 |      |
| 1M | 325-393.991 | -32.436 | -25.058 |    | 3.08  | 3.08 | 4.62 | 4.62 | 192.447 | 141.729 | 0.18 |      |
| 1N | 325-393.991 | -32.436 | 21.934  |    | 3.08  | 3.08 | 4.62 | 4.62 | 192.447 | 130.062 | 0.17 |      |
| 1O | 325-393.991 | 41.352  | -25.058 |    | 3.08  | 3.08 | 4.62 | 4.62 | 222.486 | 141.729 | 0.19 |      |
| 1P | 325-393.991 | 41.352  | 21.934  |    | 3.08  | 3.08 | 4.62 | 4.62 | 222.486 | 130.062 | 0.19 |      |
| 1A | 350-450.279 | -14.541 | -61.022 |    | 3.08  | 3.08 | 4.62 | 4.62 | 91.644  | 193.777 | 0.31 |      |
| 1B | 350-450.279 | -14.541 | 57.449  |    | 3.08  | 3.08 | 4.62 | 4.62 | 91.644  | 193.385 | 0.30 |      |
| 1C | 350-450.279 | 24.547  | -61.022 |    | 3.08  | 3.08 | 4.62 | 4.62 | 142.239 | 193.777 | 0.31 |      |
| 1D | 350-450.279 | 24.547  | 57.449  |    | 3.08  | 3.08 | 4.62 | 4.62 | 142.239 | 193.385 | 0.30 |      |
| 1E | 350-371.121 | -14.541 | -61.022 |    | 3.08  | 3.08 | 4.62 | 4.62 | 108.223 | 187.565 | 0.33 |      |
| 1F | 350-371.121 | -14.541 | 57.449  |    | 3.08  | 3.08 | 4.62 | 4.62 | 108.223 | 190.789 | 0.30 |      |
| 1G | 350-371.121 | 24.547  | -61.022 |    | 3.08  | 3.08 | 4.62 | 4.62 | 165.011 | 187.565 | 0.33 |      |
| 1H | 350-371.121 | 24.547  | 57.449  |    | 3.08  | 3.08 | 4.62 | 4.62 | 165.011 | 190.789 | 0.30 |      |
| 1I | 350-428.880 | -37.515 | -27.703 |    | 3.08  | 3.08 | 4.62 | 4.62 | 200.102 | 143.083 | 0.19 |      |
| 1J | 350-428.880 | -37.515 | 24.129  |    | 3.08  | 3.08 | 4.62 | 4.62 | 200.102 | 130.985 | 0.19 |      |
| 1K | 350-428.880 | 47.521  | -27.703 |    | 3.08  | 3.08 | 4.62 | 4.62 | 228.877 | 143.083 | 0.21 |      |
| 1L | 350-428.880 | 47.521  | 24.129  |    | 3.08  | 3.08 | 4.62 | 4.62 | 228.877 | 130.985 | 0.21 |      |
| 1M | 350-392.520 | -37.515 | -27.703 |    | 3.08  | 3.08 | 4.62 | 4.62 | 211.099 | 150.789 | 0.18 |      |
| 1N | 350-392.520 | -37.515 | 24.129  |    | 3.08  | 3.08 | 4.62 | 4.62 | 211.099 | 138.746 | 0.18 |      |
| 1O | 350-392.520 | 47.521  | -27.703 |    | 3.08  | 3.08 | 4.62 | 4.62 | 238.880 | 150.789 | 0.20 |      |
| 1P | 350-392.520 | 47.521  | 24.129  |    | 3.08  | 3.08 | 4.62 | 4.62 | 238.880 | 138.746 | 0.20 |      |

ASTA NUM. 5 NI 69 NF 101 SEZ. Rp B= 0.600 H= 0.400 (pilaastro)

PIL. NUM. 22

Copriferro: 3.0 cm

| NC | x | Fx | My | Mz | APOST | AANT | AINF | ASUP | My.Res. | Mz.Res. | I.R. | Note |
|----|---|----|----|----|-------|------|------|------|---------|---------|------|------|
|----|---|----|----|----|-------|------|------|------|---------|---------|------|------|

|    | cm          | kN      | kN*m    |      | cmq  |      | kN*m | Fx, M                |
|----|-------------|---------|---------|------|------|------|------|----------------------|
| 1A | 0-372.132   | 53.709  | 15.946  | 3.08 | 3.08 | 4.62 | 4.62 | 256.534 107.831 0.21 |
| 1B | 0-372.132   | 53.709  | -19.668 | 3.08 | 3.08 | 4.62 | 4.62 | 256.534 125.545 0.21 |
| 1C | 0-372.132   | 22.239  | 15.946  | 3.08 | 3.08 | 4.62 | 4.62 | 152.823 107.831 0.15 |
| 1D | 0-372.132   | 22.239  | -19.668 | 3.08 | 3.08 | 4.62 | 4.62 | 152.823 125.545 0.16 |
| 1E | 0-307.668   | 53.709  | 15.946  | 3.08 | 3.08 | 4.62 | 4.62 | 268.440 123.853 0.20 |
| 1F | 0-307.668   | 53.709  | -19.668 | 3.08 | 3.08 | 4.62 | 4.62 | 268.440 142.176 0.20 |
| 1G | 0-307.668   | 22.239  | 15.946  | 3.08 | 3.08 | 4.62 | 4.62 | 175.996 123.853 0.13 |
| 1H | 0-307.668   | 22.239  | -19.668 | 3.08 | 3.08 | 4.62 | 4.62 | 175.996 142.176 0.14 |
| 1I | 0-355.037   | 72.160  | 5.717   | 3.08 | 3.08 | 4.62 | 4.62 | 266.535 47.049 0.27  |
| 1J | 0-355.037   | 72.160  | -9.439  | 3.08 | 3.08 | 4.62 | 4.62 | 266.535 73.219 0.27  |
| 1K | 0-355.037   | 3.788   | 5.717   | 3.08 | 3.08 | 4.62 | 4.62 | 32.846 47.049 0.13   |
| 1L | 0-355.037   | 3.788   | -9.439  | 3.08 | 3.08 | 4.62 | 4.62 | 32.846 73.219 0.13   |
| 1M | 0-324.763   | 72.160  | 5.717   | 3.08 | 3.08 | 4.62 | 4.62 | 261.754 51.035 0.28  |
| 1N | 0-324.763   | 72.160  | -9.439  | 3.08 | 3.08 | 4.62 | 4.62 | 261.754 78.960 0.28  |
| 1O | 0-324.763   | 3.788   | 5.717   | 3.08 | 3.08 | 4.62 | 4.62 | 35.832 51.035 0.12   |
| 1P | 0-324.763   | 3.788   | -9.439  | 3.08 | 3.08 | 4.62 | 4.62 | 35.832 78.960 0.12   |
| 1A | 12-371.397  | 51.987  | 13.251  | 3.08 | 3.08 | 4.62 | 4.62 | 253.703 93.394 0.20  |
| 1B | 12-371.397  | 51.987  | -16.903 | 3.08 | 3.08 | 4.62 | 4.62 | 253.703 112.810 0.20 |
| 1C | 12-371.397  | 22.974  | 13.251  | 3.08 | 3.08 | 4.62 | 4.62 | 156.923 93.394 0.15  |
| 1D | 12-371.397  | 22.974  | -16.903 | 3.08 | 3.08 | 4.62 | 4.62 | 156.923 112.810 0.15 |
| 1E | 12-306.932  | 51.987  | 13.251  | 3.08 | 3.08 | 4.62 | 4.62 | 267.839 108.446 0.19 |
| 1F | 12-306.932  | 51.987  | -16.903 | 3.08 | 3.08 | 4.62 | 4.62 | 267.839 129.118 0.19 |
| 1G | 12-306.932  | 22.974  | 13.251  | 3.08 | 3.08 | 4.62 | 4.62 | 180.379 108.446 0.13 |
| 1H | 12-306.932  | 22.974  | -16.903 | 3.08 | 3.08 | 4.62 | 4.62 | 180.379 129.118 0.13 |
| 1I | 12-354.301  | 68.986  | 4.567   | 3.08 | 3.08 | 4.62 | 4.62 | 267.913 38.416 0.26  |
| 1J | 12-354.301  | 68.986  | -8.219  | 3.08 | 3.08 | 4.62 | 4.62 | 267.913 65.075 0.26  |
| 1K | 12-354.301  | 5.974   | 4.567   | 3.08 | 3.08 | 4.62 | 4.62 | 50.836 38.416 0.13   |
| 1L | 12-354.301  | 5.974   | -8.219  | 3.08 | 3.08 | 4.62 | 4.62 | 50.836 65.075 0.13   |
| 1M | 12-324.027  | 68.986  | 4.567   | 3.08 | 3.08 | 4.62 | 4.62 | 264.353 41.746 0.26  |
| 1N | 12-324.027  | 68.986  | -8.219  | 3.08 | 3.08 | 4.62 | 4.62 | 264.353 70.324 0.26  |
| 1O | 12-324.027  | 5.974   | 4.567   | 3.08 | 3.08 | 4.62 | 4.62 | 55.278 41.746 0.12   |
| 1P | 12-324.027  | 5.974   | -8.219  | 3.08 | 3.08 | 4.62 | 4.62 | 55.278 70.324 0.12   |
| 1A | 25-370.661  | 48.288  | 10.697  | 3.08 | 3.08 | 4.62 | 4.62 | 246.642 78.493 0.20  |
| 1B | 25-370.661  | 48.288  | -13.997 | 3.08 | 3.08 | 4.62 | 4.62 | 246.642 97.759 0.20  |
| 1C | 25-370.661  | 21.733  | 10.697  | 3.08 | 3.08 | 4.62 | 4.62 | 150.581 78.493 0.14  |
| 1D | 25-370.661  | 21.733  | -13.997 | 3.08 | 3.08 | 4.62 | 4.62 | 150.581 97.759 0.14  |
| 1E | 25-306.196  | 48.288  | 10.697  | 3.08 | 3.08 | 4.62 | 4.62 | 264.081 91.810 0.18  |
| 1F | 25-306.196  | 48.288  | -13.997 | 3.08 | 3.08 | 4.62 | 4.62 | 264.081 113.177 0.18 |
| 1G | 25-306.196  | 21.733  | 10.697  | 3.08 | 3.08 | 4.62 | 4.62 | 173.721 91.810 0.13  |
| 1H | 25-306.196  | 21.733  | -13.997 | 3.08 | 3.08 | 4.62 | 4.62 | 173.721 113.177 0.13 |
| 1I | 25-353.566  | 63.836  | 3.558   | 3.08 | 3.08 | 4.62 | 4.62 | 268.729 30.508 0.24  |
| 1J | 25-353.566  | 63.836  | -6.858  | 3.08 | 3.08 | 4.62 | 4.62 | 268.729 55.686 0.24  |
| 1K | 25-353.566  | 6.185   | 3.558   | 3.08 | 3.08 | 4.62 | 4.62 | 52.623 30.508 0.13   |
| 1L | 25-353.566  | 6.185   | -6.858  | 3.08 | 3.08 | 4.62 | 4.62 | 52.623 55.686 0.13   |
| 1M | 25-323.292  | 63.836  | 3.558   | 3.08 | 3.08 | 4.62 | 4.62 | 267.528 33.083 0.24  |
| 1N | 25-323.292  | 63.836  | -6.858  | 3.08 | 3.08 | 4.62 | 4.62 | 267.528 60.134 0.24  |
| 1O | 25-323.292  | 6.185   | 3.558   | 3.08 | 3.08 | 4.62 | 4.62 | 57.074 33.083 0.12   |
| 1P | 25-323.292  | 6.185   | -6.858  | 3.08 | 3.08 | 4.62 | 4.62 | 57.074 60.134 0.12   |
| 1A | 325-353.004 | -40.472 | -50.596 | 3.08 | 3.08 | 4.62 | 4.62 | 232.804 193.194 0.26 |
| 1B | 325-353.004 | -40.472 | 55.748  | 3.08 | 3.08 | 4.62 | 4.62 | 232.804 189.852 0.29 |
| 1C | 325-353.004 | -8.049  | -50.596 | 3.08 | 3.08 | 4.62 | 4.62 | 67.154 193.194 0.26  |
| 1D | 325-353.004 | -8.049  | 55.748  | 3.08 | 3.08 | 4.62 | 4.62 | 67.154 189.852 0.29  |
| 1E | 325-288.539 | -40.472 | -50.596 | 3.08 | 3.08 | 4.62 | 4.62 | 253.898 182.806 0.28 |
| 1F | 325-288.539 | -40.472 | 55.748  | 3.08 | 3.08 | 4.62 | 4.62 | 253.898 173.300 0.32 |
| 1G | 325-288.539 | -8.049  | -50.596 | 3.08 | 3.08 | 4.62 | 4.62 | 80.471 182.806 0.28  |
| 1H | 325-288.539 | -8.049  | 55.748  | 3.08 | 3.08 | 4.62 | 4.62 | 80.471 173.300 0.32  |
| 1I | 325-335.908 | -59.763 | -20.657 | 3.08 | 3.08 | 4.62 | 4.62 | 268.652 138.779 0.22 |
| 1J | 325-335.908 | -59.763 | 25.809  | 3.08 | 3.08 | 4.62 | 4.62 | 268.652 158.046 0.22 |
| 1K | 325-335.908 | 11.242  | -20.657 | 3.08 | 3.08 | 4.62 | 4.62 | 94.553 138.779 0.15  |
| 1L | 325-335.908 | 11.242  | 25.809  | 3.08 | 3.08 | 4.62 | 4.62 | 94.553 158.046 0.16  |
| 1M | 325-305.634 | -59.763 | -20.657 | 3.08 | 3.08 | 4.62 | 4.62 | 267.806 147.036 0.22 |
| 1N | 325-305.634 | -59.763 | 25.809  | 3.08 | 3.08 | 4.62 | 4.62 | 267.806 165.838 0.22 |
| 1O | 325-305.634 | 11.242  | -20.657 | 3.08 | 3.08 | 4.62 | 4.62 | 102.491 147.036 0.14 |
| 1P | 325-305.634 | 11.242  | 25.809  | 3.08 | 3.08 | 4.62 | 4.62 | 102.491 165.838 0.16 |
| 1A | 350-351.532 | -45.893 | -55.845 | 3.08 | 3.08 | 4.62 | 4.62 | 246.857 189.550 0.29 |
| 1B | 350-351.532 | -45.893 | 61.419  | 3.08 | 3.08 | 4.62 | 4.62 | 246.857 183.108 0.34 |
| 1C | 350-351.532 | -8.555  | -55.845 | 3.08 | 3.08 | 4.62 | 4.62 | 71.265 189.550 0.29  |
| 1D | 350-351.532 | -8.555  | 61.419  | 3.08 | 3.08 | 4.62 | 4.62 | 71.265 183.108 0.34  |
| 1E | 350-287.068 | -45.893 | -55.845 | 3.08 | 3.08 | 4.62 | 4.62 | 265.154 172.537 0.32 |
| 1F | 350-287.068 | -45.893 | 61.419  | 3.08 | 3.08 | 4.62 | 4.62 | 265.154 160.893 0.38 |
| 1G | 350-287.068 | -8.555  | -55.845 | 3.08 | 3.08 | 4.62 | 4.62 | 85.365 172.537 0.32  |
| 1H | 350-287.068 | -8.555  | 61.419  | 3.08 | 3.08 | 4.62 | 4.62 | 85.365 160.893 0.38  |
| 1I | 350-334.437 | -68.087 | -22.816 | 3.08 | 3.08 | 4.62 | 4.62 | 266.469 147.847 0.26 |
| 1J | 350-334.437 | -68.087 | 28.390  | 3.08 | 3.08 | 4.62 | 4.62 | 266.469 166.262 0.26 |
| 1K | 350-334.437 | 13.639  | -22.816 | 3.08 | 3.08 | 4.62 | 4.62 | 111.982 147.847 0.15 |
| 1L | 350-334.437 | 13.639  | 28.390  | 3.08 | 3.08 | 4.62 | 4.62 | 111.982 166.262 0.17 |
| 1M | 350-304.163 | -68.087 | -22.816 | 3.08 | 3.08 | 4.62 | 4.62 | 261.248 156.017 0.26 |
| 1N | 350-304.163 | -68.087 | 28.390  | 3.08 | 3.08 | 4.62 | 4.62 | 261.248 173.657 0.26 |
| 1O | 350-304.163 | 13.639  | -22.816 | 3.08 | 3.08 | 4.62 | 4.62 | 121.297 156.017 0.15 |
| 1P | 350-304.163 | 13.639  | 28.390  | 3.08 | 3.08 | 4.62 | 4.62 | 121.297 173.657 0.16 |

ASTA NUM. 6 NI 70 NF 102 SEZ. Rp B= 0.600 H= 0.400 (pilastro)

PIL. NUM. 21

Copriferro: 3.0 cm

| NC | x         | Fx     | My      | Mz   | APOST | AANT | AINF | ASUP    | My.Res. | Mz.Res. | I.R.  | Note |
|----|-----------|--------|---------|------|-------|------|------|---------|---------|---------|-------|------|
|    | cm        | kN     | kN*m    |      | cmq   |      |      |         | kN*m    |         | Fx, M |      |
| 1A | 0-348.110 | 47.256 | -8.273  | 3.08 | 3.08  | 4.62 | 4.62 | 250.760 | 66.465  | 0.19    |       |      |
| 1B | 0-348.110 | 47.256 | -24.678 | 3.08 | 3.08  | 4.62 | 4.62 | 250.760 | 151.173 | 0.19    |       |      |

|    |             |         |         |      |      |      |      |         |         |      |
|----|-------------|---------|---------|------|------|------|------|---------|---------|------|
| 1C | 0-348.110   | -3.638  | -8.273  | 3.08 | 3.08 | 4.62 | 4.62 | 32.184  | 66.465  | 0.13 |
| 1D | 0-348.110   | -3.638  | -24.678 | 3.08 | 3.08 | 4.62 | 4.62 | 32.184  | 151.173 | 0.16 |
| 1E | 0-319.090   | 47.256  | -8.273  | 3.08 | 3.08 | 4.62 | 4.62 | 258.830 | 71.662  | 0.18 |
| 1F | 0-319.090   | 47.256  | -24.678 | 3.08 | 3.08 | 4.62 | 4.62 | 258.830 | 158.597 | 0.18 |
| 1G | 0-319.090   | -3.638  | -8.273  | 3.08 | 3.08 | 4.62 | 4.62 | 35.046  | 71.662  | 0.12 |
| 1H | 0-319.090   | -3.638  | -24.678 | 3.08 | 3.08 | 4.62 | 4.62 | 35.046  | 158.597 | 0.16 |
| 1I | 0-350.238   | 76.645  | -13.200 | 3.08 | 3.08 | 4.62 | 4.62 | 262.741 | 97.609  | 0.29 |
| 1J | 0-350.238   | 76.645  | -19.750 | 3.08 | 3.08 | 4.62 | 4.62 | 262.741 | 131.186 | 0.29 |
| 1K | 0-350.238   | -33.026 | -13.200 | 3.08 | 3.08 | 4.62 | 4.62 | 209.439 | 97.609  | 0.16 |
| 1L | 0-350.238   | -33.026 | -19.750 | 3.08 | 3.08 | 4.62 | 4.62 | 209.439 | 131.186 | 0.16 |
| 1M | 0-316.962   | 76.645  | -13.200 | 3.08 | 3.08 | 4.62 | 4.62 | 255.213 | 105.511 | 0.30 |
| 1N | 0-316.962   | 76.645  | -19.750 | 3.08 | 3.08 | 4.62 | 4.62 | 255.213 | 139.934 | 0.30 |
| 1O | 0-316.962   | -33.026 | -13.200 | 3.08 | 3.08 | 4.62 | 4.62 | 221.616 | 105.511 | 0.15 |
| 1P | 0-316.962   | -33.026 | -19.750 | 3.08 | 3.08 | 4.62 | 4.62 | 221.616 | 139.934 | 0.15 |
| 1A | 12-347.374  | 45.076  | -9.276  | 3.08 | 3.08 | 4.62 | 4.62 | 246.236 | 73.492  | 0.18 |
| 1B | 12-347.374  | 45.076  | -23.238 | 3.08 | 3.08 | 4.62 | 4.62 | 246.236 | 146.141 | 0.18 |
| 1C | 12-347.374  | -1.902  | -9.276  | 3.08 | 3.08 | 4.62 | 4.62 | 17.141  | 73.492  | 0.13 |
| 1D | 12-347.374  | -1.902  | -23.238 | 3.08 | 3.08 | 4.62 | 4.62 | 17.141  | 146.141 | 0.16 |
| 1E | 12-318.354  | 45.076  | -9.276  | 3.08 | 3.08 | 4.62 | 4.62 | 254.776 | 79.123  | 0.18 |
| 1F | 12-318.354  | 45.076  | -23.238 | 3.08 | 3.08 | 4.62 | 4.62 | 254.776 | 153.689 | 0.18 |
| 1G | 12-318.354  | -1.902  | -9.276  | 3.08 | 3.08 | 4.62 | 4.62 | 18.725  | 79.123  | 0.12 |
| 1H | 12-318.354  | -1.902  | -23.238 | 3.08 | 3.08 | 4.62 | 4.62 | 18.725  | 153.689 | 0.15 |
| 1I | 12-349.502  | 72.173  | -13.499 | 3.08 | 3.08 | 4.62 | 4.62 | 265.868 | 99.535  | 0.27 |
| 1J | 12-349.502  | 72.173  | -19.014 | 3.08 | 3.08 | 4.62 | 4.62 | 265.868 | 128.057 | 0.27 |
| 1K | 12-349.502  | -28.999 | -13.499 | 3.08 | 3.08 | 4.62 | 4.62 | 193.443 | 99.535  | 0.15 |
| 1L | 12-349.502  | -28.999 | -19.014 | 3.08 | 3.08 | 4.62 | 4.62 | 193.443 | 128.057 | 0.15 |
| 1M | 12-316.226  | 72.173  | -13.499 | 3.08 | 3.08 | 4.62 | 4.62 | 259.863 | 107.521 | 0.28 |
| 1N | 12-316.226  | 72.173  | -19.014 | 3.08 | 3.08 | 4.62 | 4.62 | 259.863 | 136.807 | 0.28 |
| 1O | 12-316.226  | -28.999 | -13.499 | 3.08 | 3.08 | 4.62 | 4.62 | 205.987 | 107.521 | 0.14 |
| 1P | 12-316.226  | -28.999 | -19.014 | 3.08 | 3.08 | 4.62 | 4.62 | 205.987 | 136.807 | 0.14 |
| 1A | 25-346.639  | 42.004  | -9.404  | 3.08 | 3.08 | 4.62 | 4.62 | 238.980 | 74.490  | 0.18 |
| 1B | 25-346.639  | 42.004  | -20.923 | 3.08 | 3.08 | 4.62 | 4.62 | 238.980 | 137.144 | 0.18 |
| 1C | 25-346.639  | -1.058  | -9.404  | 3.08 | 3.08 | 4.62 | 4.62 | 9.540   | 74.490  | 0.13 |
| 1D | 25-346.639  | -1.058  | -20.923 | 3.08 | 3.08 | 4.62 | 4.62 | 9.540   | 137.144 | 0.15 |
| 1E | 25-317.619  | 42.004  | -9.404  | 3.08 | 3.08 | 4.62 | 4.62 | 248.166 | 80.194  | 0.17 |
| 1F | 25-317.619  | 42.004  | -20.923 | 3.08 | 3.08 | 4.62 | 4.62 | 248.166 | 144.801 | 0.17 |
| 1G | 25-317.619  | -1.058  | -9.404  | 3.08 | 3.08 | 4.62 | 4.62 | 10.412  | 80.194  | 0.12 |
| 1H | 25-317.619  | -1.058  | -20.923 | 3.08 | 3.08 | 4.62 | 4.62 | 10.412  | 144.801 | 0.14 |
| 1I | 25-348.767  | 66.809  | -12.923 | 3.08 | 3.08 | 4.62 | 4.62 | 268.261 | 96.288  | 0.25 |
| 1J | 25-348.767  | 66.809  | -17.404 | 3.08 | 3.08 | 4.62 | 4.62 | 268.261 | 120.594 | 0.25 |
| 1K | 25-348.767  | -25.863 | -12.923 | 3.08 | 3.08 | 4.62 | 4.62 | 179.205 | 96.288  | 0.14 |
| 1L | 25-348.767  | -25.863 | -17.404 | 3.08 | 3.08 | 4.62 | 4.62 | 179.205 | 120.594 | 0.14 |
| 1M | 25-315.491  | 66.809  | -12.923 | 3.08 | 3.08 | 4.62 | 4.62 | 264.641 | 104.159 | 0.25 |
| 1N | 25-315.491  | 66.809  | -17.404 | 3.08 | 3.08 | 4.62 | 4.62 | 264.641 | 129.266 | 0.25 |
| 1O | 25-315.491  | -25.863 | -12.923 | 3.08 | 3.08 | 4.62 | 4.62 | 191.904 | 104.159 | 0.13 |
| 1P | 25-315.491  | -25.863 | -17.404 | 3.08 | 3.08 | 4.62 | 4.62 | 191.904 | 129.266 | 0.13 |
| 1A | 325-328.981 | -31.707 | -12.479 | 3.08 | 3.08 | 4.62 | 4.62 | 212.131 | 98.111  | 0.15 |
| 1B | 325-328.981 | -31.707 | 34.626  | 3.08 | 3.08 | 4.62 | 4.62 | 212.131 | 182.274 | 0.19 |
| 1C | 325-328.981 | 19.213  | -12.479 | 3.08 | 3.08 | 4.62 | 4.62 | 150.111 | 98.111  | 0.13 |
| 1D | 325-328.981 | 19.213  | 34.626  | 3.08 | 3.08 | 4.62 | 4.62 | 150.111 | 182.274 | 0.19 |
| 1E | 325-299.961 | -31.707 | -12.479 | 3.08 | 3.08 | 4.62 | 4.62 | 223.333 | 105.423 | 0.14 |
| 1F | 325-299.961 | -31.707 | 34.626  | 3.08 | 3.08 | 4.62 | 4.62 | 223.333 | 188.249 | 0.18 |
| 1G | 325-299.961 | 19.213  | -12.479 | 3.08 | 3.08 | 4.62 | 4.62 | 161.109 | 105.423 | 0.12 |
| 1H | 325-299.961 | 19.213  | 34.626  | 3.08 | 3.08 | 4.62 | 4.62 | 161.109 | 188.249 | 0.18 |
| 1I | 325-331.109 | -61.907 | 0.896   | 3.08 | 3.08 | 4.62 | 4.62 | 268.605 | 8.413   | 0.23 |
| 1J | 325-331.109 | -61.907 | 21.251  | 3.08 | 3.08 | 4.62 | 4.62 | 268.605 | 142.522 | 0.23 |
| 1K | 325-331.109 | 49.412  | 0.896   | 3.08 | 3.08 | 4.62 | 4.62 | 259.494 | 8.413   | 0.19 |
| 1L | 325-331.109 | 49.412  | 21.251  | 3.08 | 3.08 | 4.62 | 4.62 | 259.494 | 142.522 | 0.19 |
| 1M | 325-297.833 | -61.907 | 0.896   | 3.08 | 3.08 | 4.62 | 4.62 | 265.569 | 9.332   | 0.23 |
| 1N | 325-297.833 | -61.907 | 21.251  | 3.08 | 3.08 | 4.62 | 4.62 | 265.569 | 151.732 | 0.23 |
| 1O | 325-297.833 | 49.412  | 0.896   | 3.08 | 3.08 | 4.62 | 4.62 | 267.255 | 9.332   | 0.18 |
| 1P | 325-297.833 | 49.412  | 21.251  | 3.08 | 3.08 | 4.62 | 4.62 | 267.255 | 151.732 | 0.18 |
| 1A | 350-327.510 | -36.959 | -13.610 | 3.08 | 3.08 | 4.62 | 4.62 | 230.993 | 105.332 | 0.16 |
| 1B | 350-327.510 | -36.959 | 38.381  | 3.08 | 3.08 | 4.62 | 4.62 | 230.993 | 189.169 | 0.20 |
| 1C | 350-327.510 | 21.793  | -13.610 | 3.08 | 3.08 | 4.62 | 4.62 | 165.743 | 105.332 | 0.13 |
| 1D | 350-327.510 | 21.793  | 38.381  | 3.08 | 3.08 | 4.62 | 4.62 | 165.743 | 189.169 | 0.20 |
| 1E | 350-298.490 | -36.959 | -13.610 | 3.08 | 3.08 | 4.62 | 4.62 | 241.317 | 112.964 | 0.15 |
| 1F | 350-298.490 | -36.959 | 38.381  | 3.08 | 3.08 | 4.62 | 4.62 | 241.317 | 193.491 | 0.20 |
| 1G | 350-298.490 | 21.793  | -13.610 | 3.08 | 3.08 | 4.62 | 4.62 | 177.249 | 112.964 | 0.12 |
| 1H | 350-298.490 | 21.793  | 38.381  | 3.08 | 3.08 | 4.62 | 4.62 | 177.249 | 193.491 | 0.20 |
| 1I | 350-329.638 | -71.742 | 1.173   | 3.08 | 3.08 | 4.62 | 4.62 | 263.081 | 11.039  | 0.27 |
| 1J | 350-329.638 | -71.742 | 23.597  | 3.08 | 3.08 | 4.62 | 4.62 | 263.081 | 152.015 | 0.27 |
| 1K | 350-329.638 | 56.576  | 1.173   | 3.08 | 3.08 | 4.62 | 4.62 | 268.137 | 11.039  | 0.21 |
| 1L | 350-329.638 | 56.576  | 23.597  | 3.08 | 3.08 | 4.62 | 4.62 | 268.137 | 152.015 | 0.21 |
| 1M | 350-296.362 | -71.742 | 1.173   | 3.08 | 3.08 | 4.62 | 4.62 | 255.095 | 12.331  | 0.28 |
| 1N | 350-296.362 | -71.742 | 23.597  | 3.08 | 3.08 | 4.62 | 4.62 | 255.095 | 161.030 | 0.28 |
| 1O | 350-296.362 | 56.576  | 1.173   | 3.08 | 3.08 | 4.62 | 4.62 | 268.323 | 12.331  | 0.21 |
| 1P | 350-296.362 | 56.576  | 23.597  | 3.08 | 3.08 | 4.62 | 4.62 | 268.323 | 161.030 | 0.21 |

ASTA NUM. 7 NI 71 NF 103 SEZ. Rp B= 0.600 H= 0.400 (pilastró)

PIL. NUM. 27

Copriferro: 3.0 cm

| NC | x         | Fx      | My     | Mz   | APOST | AANT | AINF | ASUP    | My.Res. | Mz.Res. | I.R.  | Note |
|----|-----------|---------|--------|------|-------|------|------|---------|---------|---------|-------|------|
|    | cm        | kN      | kN*m   |      | cmq   |      |      |         | kN*m    |         | Fx, M |      |
| 1A | 0-447.542 | 17.135  | 4.550  | 3.08 | 3.08  | 4.62 | 4.62 | 106.097 | 30.803  | 0.17    |       |      |
| 1B | 0-447.542 | 17.135  | -1.881 | 3.08 | 3.08  | 4.62 | 4.62 | 106.097 | 12.993  | 0.17    |       |      |
| 1C | 0-447.542 | -16.421 | 4.550  | 3.08 | 3.08  | 4.62 | 4.62 | 102.274 | 30.803  | 0.17    |       |      |
| 1D | 0-447.542 | -16.421 | -1.881 | 3.08 | 3.08  | 4.62 | 4.62 | 102.274 | 12.993  | 0.17    |       |      |
| 1E | 0-404.858 | 17.135  | 4.550  | 3.08 | 3.08  | 4.62 | 4.62 | 115.552 | 33.747  | 0.15    |       |      |
| 1F | 0-404.858 | 17.135  | -1.881 | 3.08 | 3.08  | 4.62 | 4.62 | 115.552 | 14.406  | 0.15    |       |      |
| 1G | 0-404.858 | -16.421 | 4.550  | 3.08 | 3.08  | 4.62 | 4.62 | 111.464 | 33.747  | 0.15    |       |      |

|    |             |         |         |      |      |      |      |         |        |      |
|----|-------------|---------|---------|------|------|------|------|---------|--------|------|
| 1H | 0-404.858   | -16.421 | -1.881  | 3.08 | 3.08 | 4.62 | 4.62 | 111.464 | 14.406 | 0.15 |
| 1I | 0-443.468   | 32.727  | 3.938   | 3.08 | 3.08 | 4.62 | 4.62 | 178.595 | 27.053 | 0.18 |
| 1J | 0-443.468   | 32.727  | -1.269  | 3.08 | 3.08 | 4.62 | 4.62 | 178.595 | 8.834  | 0.18 |
| 1K | 0-443.468   | -32.013 | 3.938   | 3.08 | 3.08 | 4.62 | 4.62 | 175.832 | 27.053 | 0.18 |
| 1L | 0-443.468   | -32.013 | -1.269  | 3.08 | 3.08 | 4.62 | 4.62 | 175.832 | 8.834  | 0.18 |
| 1M | 0-408.932   | 32.727  | 3.938   | 3.08 | 3.08 | 4.62 | 4.62 | 188.847 | 29.249 | 0.17 |
| 1N | 0-408.932   | 32.727  | -1.269  | 3.08 | 3.08 | 4.62 | 4.62 | 188.847 | 9.645  | 0.17 |
| 1O | 0-408.932   | -32.013 | 3.938   | 3.08 | 3.08 | 4.62 | 4.62 | 186.049 | 29.249 | 0.17 |
| 1P | 0-408.932   | -32.013 | -1.269  | 3.08 | 3.08 | 4.62 | 4.62 | 186.049 | 9.645  | 0.17 |
| 1A | 12-446.806  | 15.994  | 3.938   | 3.08 | 3.08 | 4.62 | 4.62 | 100.104 | 26.861 | 0.17 |
| 1B | 12-446.806  | 15.994  | -1.303  | 3.08 | 3.08 | 4.62 | 4.62 | 100.104 | 9.018  | 0.17 |
| 1C | 12-446.806  | -15.015 | 3.938   | 3.08 | 3.08 | 4.62 | 4.62 | 94.897  | 26.861 | 0.17 |
| 1D | 12-446.806  | -15.015 | -1.303  | 3.08 | 3.08 | 4.62 | 4.62 | 94.897  | 9.018  | 0.17 |
| 1E | 12-404.122  | 15.994  | 3.938   | 3.08 | 3.08 | 4.62 | 4.62 | 109.158 | 29.586 | 0.15 |
| 1F | 12-404.122  | 15.994  | -1.303  | 3.08 | 3.08 | 4.62 | 4.62 | 109.158 | 10.046 | 0.15 |
| 1G | 12-404.122  | -15.015 | 3.938   | 3.08 | 3.08 | 4.62 | 4.62 | 103.391 | 29.586 | 0.15 |
| 1H | 12-404.122  | -15.015 | -1.303  | 3.08 | 3.08 | 4.62 | 4.62 | 103.391 | 10.046 | 0.15 |
| 1I | 12-442.732  | 30.395  | 3.596   | 3.08 | 3.08 | 4.62 | 4.62 | 169.590 | 24.805 | 0.18 |
| 1J | 12-442.732  | 30.395  | -0.961  | 3.08 | 3.08 | 4.62 | 4.62 | 169.590 | 6.697  | 0.18 |
| 1K | 12-442.732  | -29.416 | 3.596   | 3.08 | 3.08 | 4.62 | 4.62 | 165.565 | 24.805 | 0.18 |
| 1L | 12-442.732  | -29.416 | -0.961  | 3.08 | 3.08 | 4.62 | 4.62 | 165.565 | 6.697  | 0.18 |
| 1M | 12-408.196  | 30.395  | 3.596   | 3.08 | 3.08 | 4.62 | 4.62 | 179.725 | 26.847 | 0.17 |
| 1N | 12-408.196  | 30.395  | -0.961  | 3.08 | 3.08 | 4.62 | 4.62 | 179.725 | 7.278  | 0.17 |
| 1O | 12-408.196  | -29.416 | 3.596   | 3.08 | 3.08 | 4.62 | 4.62 | 175.618 | 26.847 | 0.17 |
| 1P | 12-408.196  | -29.416 | -0.961  | 3.08 | 3.08 | 4.62 | 4.62 | 175.618 | 7.278  | 0.17 |
| 1A | 25-446.071  | 14.795  | 3.260   | 3.08 | 3.08 | 4.62 | 4.62 | 93.814  | 22.492 | 0.17 |
| 1B | 25-446.071  | 14.795  | -0.792  | 3.08 | 3.08 | 4.62 | 4.62 | 93.814  | 5.436  | 0.17 |
| 1C | 25-446.071  | -13.669 | 3.260   | 3.08 | 3.08 | 4.62 | 4.62 | 87.498  | 22.492 | 0.17 |
| 1D | 25-446.071  | -13.669 | -0.792  | 3.08 | 3.08 | 4.62 | 4.62 | 87.498  | 5.436  | 0.17 |
| 1E | 25-403.387  | 14.795  | 3.260   | 3.08 | 3.08 | 4.62 | 4.62 | 102.237 | 24.685 | 0.15 |
| 1F | 25-403.387  | 14.795  | -0.792  | 3.08 | 3.08 | 4.62 | 4.62 | 102.237 | 6.047  | 0.15 |
| 1G | 25-403.387  | -13.669 | 3.260   | 3.08 | 3.08 | 4.62 | 4.62 | 95.582  | 24.685 | 0.15 |
| 1H | 25-403.387  | -13.669 | -0.792  | 3.08 | 3.08 | 4.62 | 4.62 | 95.582  | 6.047  | 0.15 |
| 1I | 25-441.997  | 28.005  | 3.188   | 3.08 | 3.08 | 4.62 | 4.62 | 159.802 | 22.200 | 0.18 |
| 1J | 25-441.997  | 28.005  | -0.719  | 3.08 | 3.08 | 4.62 | 4.62 | 159.802 | 4.937  | 0.18 |
| 1K | 25-441.997  | -26.879 | 3.188   | 3.08 | 3.08 | 4.62 | 4.62 | 154.890 | 22.200 | 0.17 |
| 1L | 25-441.997  | -26.879 | -0.719  | 3.08 | 3.08 | 4.62 | 4.62 | 154.890 | 4.937  | 0.17 |
| 1M | 25-407.461  | 28.005  | 3.188   | 3.08 | 3.08 | 4.62 | 4.62 | 169.729 | 23.908 | 0.16 |
| 1N | 25-407.461  | 28.005  | -0.719  | 3.08 | 3.08 | 4.62 | 4.62 | 169.729 | 5.398  | 0.16 |
| 1O | 25-407.461  | -26.879 | 3.188   | 3.08 | 3.08 | 4.62 | 4.62 | 164.687 | 23.908 | 0.16 |
| 1P | 25-407.461  | -26.879 | -0.719  | 3.08 | 3.08 | 4.62 | 4.62 | 164.687 | 5.398  | 0.16 |
| 1A | 325-428.413 | -13.989 | -13.010 | 3.08 | 3.08 | 4.62 | 4.62 | 92.540  | 81.759 | 0.16 |
| 1B | 325-428.413 | -13.989 | 11.478  | 3.08 | 3.08 | 4.62 | 4.62 | 92.540  | 73.701 | 0.16 |
| 1C | 325-428.413 | 18.656  | -13.010 | 3.08 | 3.08 | 4.62 | 4.62 | 118.359 | 81.759 | 0.16 |
| 1D | 325-428.413 | 18.656  | 11.478  | 3.08 | 3.08 | 4.62 | 4.62 | 118.359 | 73.701 | 0.16 |
| 1E | 325-385.729 | -13.989 | -13.010 | 3.08 | 3.08 | 4.62 | 4.62 | 101.246 | 89.209 | 0.15 |
| 1F | 325-385.729 | -13.989 | 11.478  | 3.08 | 3.08 | 4.62 | 4.62 | 101.246 | 80.530 | 0.14 |
| 1G | 325-385.729 | 18.656  | -13.010 | 3.08 | 3.08 | 4.62 | 4.62 | 128.990 | 89.209 | 0.15 |
| 1H | 325-385.729 | 18.656  | 11.478  | 3.08 | 3.08 | 4.62 | 4.62 | 128.990 | 80.530 | 0.14 |
| 1I | 325-424.339 | -29.358 | -6.613  | 3.08 | 3.08 | 4.62 | 4.62 | 170.542 | 45.655 | 0.17 |
| 1J | 325-424.339 | -29.358 | 5.081   | 3.08 | 3.08 | 4.62 | 4.62 | 170.542 | 35.839 | 0.17 |
| 1K | 325-424.339 | 34.025  | -6.613  | 3.08 | 3.08 | 4.62 | 4.62 | 189.090 | 45.655 | 0.18 |
| 1L | 325-424.339 | 34.025  | 5.081   | 3.08 | 3.08 | 4.62 | 4.62 | 189.090 | 35.839 | 0.18 |
| 1M | 325-389.803 | -29.358 | -6.613  | 3.08 | 3.08 | 4.62 | 4.62 | 181.157 | 49.352 | 0.16 |
| 1N | 325-389.803 | -29.358 | 5.081   | 3.08 | 3.08 | 4.62 | 4.62 | 181.157 | 38.815 | 0.16 |
| 1O | 325-389.803 | 34.025  | -6.613  | 3.08 | 3.08 | 4.62 | 4.62 | 199.836 | 49.352 | 0.17 |
| 1P | 325-389.803 | 34.025  | 5.081   | 3.08 | 3.08 | 4.62 | 4.62 | 199.836 | 38.815 | 0.17 |
| 1A | 350-426.942 | -16.447 | -14.300 | 3.08 | 3.08 | 4.62 | 4.62 | 106.660 | 88.695 | 0.16 |
| 1B | 350-426.942 | -16.447 | 12.567  | 3.08 | 3.08 | 4.62 | 4.62 | 106.660 | 79.802 | 0.16 |
| 1C | 350-426.942 | 21.291  | -14.300 | 3.08 | 3.08 | 4.62 | 4.62 | 132.287 | 88.695 | 0.16 |
| 1D | 350-426.942 | 21.291  | 12.567  | 3.08 | 3.08 | 4.62 | 4.62 | 132.287 | 79.802 | 0.16 |
| 1E | 350-384.258 | -16.447 | -14.300 | 3.08 | 3.08 | 4.62 | 4.62 | 116.654 | 96.620 | 0.15 |
| 1F | 350-384.258 | -16.447 | 12.567  | 3.08 | 3.08 | 4.62 | 4.62 | 116.654 | 86.968 | 0.14 |
| 1G | 350-384.258 | 21.291  | -14.300 | 3.08 | 3.08 | 4.62 | 4.62 | 144.111 | 96.620 | 0.15 |
| 1H | 350-384.258 | 21.291  | 12.567  | 3.08 | 3.08 | 4.62 | 4.62 | 144.111 | 86.968 | 0.15 |
| 1I | 350-422.868 | -34.197 | -7.363  | 3.08 | 3.08 | 4.62 | 4.62 | 190.174 | 50.534 | 0.18 |
| 1J | 350-422.868 | -34.197 | 5.631   | 3.08 | 3.08 | 4.62 | 4.62 | 190.174 | 39.598 | 0.18 |
| 1K | 350-422.868 | 39.041  | -7.363  | 3.08 | 3.08 | 4.62 | 4.62 | 206.823 | 50.534 | 0.19 |
| 1L | 350-422.868 | 39.041  | 5.631   | 3.08 | 3.08 | 4.62 | 4.62 | 206.823 | 39.598 | 0.19 |
| 1M | 350-388.332 | -34.197 | -7.363  | 3.08 | 3.08 | 4.62 | 4.62 | 200.939 | 54.569 | 0.17 |
| 1N | 350-388.332 | -34.197 | 5.631   | 3.08 | 3.08 | 4.62 | 4.62 | 200.939 | 42.852 | 0.17 |
| 1O | 350-388.332 | 39.041  | -7.363  | 3.08 | 3.08 | 4.62 | 4.62 | 217.296 | 54.569 | 0.18 |
| 1P | 350-388.332 | 39.041  | 5.631   | 3.08 | 3.08 | 4.62 | 4.62 | 217.296 | 42.852 | 0.18 |

ASTA NUM. 8 NI 72 NF 104 SEZ. Rp B= 0.600 H= 0.400 (pilastro)

PIL. NUM. 26

Copriferro: 3.0 cm

| NC | x         | Fx      | My     | Mz   | APOST | AANT | AINF | ASUP    | My.Res. | Mz.Res. | I.R. | Note |
|----|-----------|---------|--------|------|-------|------|------|---------|---------|---------|------|------|
|    | cm        | kN      | kN*m   |      |       | cmq  |      |         | kN*m    |         | Fx,M |      |
| 1A | 0-452.828 | 12.261  | 1.315  | 3.08 | 3.08  | 4.62 | 4.62 | 78.337  | 8.973   | 0.17    |      |      |
| 1B | 0-452.828 | 12.261  | -5.725 | 3.08 | 3.08  | 4.62 | 4.62 | 78.337  | 37.723  | 0.17    |      |      |
| 1C | 0-452.828 | -15.097 | 1.315  | 3.08 | 3.08  | 4.62 | 4.62 | 94.241  | 8.973   | 0.17    |      |      |
| 1D | 0-452.828 | -15.097 | -5.725 | 3.08 | 3.08  | 4.62 | 4.62 | 94.241  | 37.723  | 0.17    |      |      |
| 1E | 0-410.572 | 12.261  | 1.315  | 3.08 | 3.08  | 4.62 | 4.62 | 85.520  | 9.972   | 0.15    |      |      |
| 1F | 0-410.572 | 12.261  | -5.725 | 3.08 | 3.08  | 4.62 | 4.62 | 85.520  | 41.331  | 0.15    |      |      |
| 1G | 0-410.572 | -15.097 | 1.315  | 3.08 | 3.08  | 4.62 | 4.62 | 102.466 | 9.972   | 0.15    |      |      |
| 1H | 0-410.572 | -15.097 | -5.725 | 3.08 | 3.08  | 4.62 | 4.62 | 102.466 | 41.331  | 0.15    |      |      |
| 1I | 0-445.707 | 30.122  | 1.307  | 3.08 | 3.08  | 4.62 | 4.62 | 167.649 | 9.072   | 0.18    |      |      |
| 1J | 0-445.707 | 30.122  | -5.717 | 3.08 | 3.08  | 4.62 | 4.62 | 167.649 | 38.239  | 0.18    |      |      |
| 1K | 0-445.707 | -32.959 | 1.307  | 3.08 | 3.08  | 4.62 | 4.62 | 178.851 | 9.072   | 0.18    |      |      |
| 1L | 0-445.707 | -32.959 | -5.717 | 3.08 | 3.08  | 4.62 | 4.62 | 178.851 | 38.239  | 0.18    |      |      |

|    |             |         |         |      |      |      |      |         |         |      |
|----|-------------|---------|---------|------|------|------|------|---------|---------|------|
| 1M | 0-417.693   | 30.122  | 1.307   | 3.08 | 3.08 | 4.62 | 4.62 | 175.705 | 9.731   | 0.17 |
| 1N | 0-417.693   | 30.122  | -5.717  | 3.08 | 3.08 | 4.62 | 4.62 | 175.705 | 40.626  | 0.17 |
| 1O | 0-417.693   | -32.959 | 1.307   | 3.08 | 3.08 | 4.62 | 4.62 | 187.052 | 9.731   | 0.18 |
| 1P | 0-417.693   | -32.959 | -5.717  | 3.08 | 3.08 | 4.62 | 4.62 | 187.052 | 40.626  | 0.18 |
| 1A | 12-452.092  | 11.249  | 0.734   | 3.08 | 3.08 | 4.62 | 4.62 | 72.713  | 4.922   | 0.17 |
| 1B | 12-452.092  | 11.249  | -5.082  | 3.08 | 3.08 | 4.62 | 4.62 | 72.713  | 33.759  | 0.17 |
| 1C | 12-452.092  | -14.020 | 0.734   | 3.08 | 3.08 | 4.62 | 4.62 | 88.430  | 4.922   | 0.17 |
| 1D | 12-452.092  | -14.020 | -5.082  | 3.08 | 3.08 | 4.62 | 4.62 | 88.430  | 33.759  | 0.17 |
| 1E | 12-409.836  | 11.249  | 0.734   | 3.08 | 3.08 | 4.62 | 4.62 | 79.306  | 5.486   | 0.15 |
| 1F | 12-409.836  | 11.249  | -5.082  | 3.08 | 3.08 | 4.62 | 4.62 | 79.306  | 37.046  | 0.15 |
| 1G | 12-409.836  | -14.020 | 0.734   | 3.08 | 3.08 | 4.62 | 4.62 | 96.378  | 5.486   | 0.15 |
| 1H | 12-409.836  | -14.020 | -5.082  | 3.08 | 3.08 | 4.62 | 4.62 | 96.378  | 37.046  | 0.15 |
| 1I | 12-444.971  | 27.773  | 0.964   | 3.08 | 3.08 | 4.62 | 4.62 | 157.994 | 6.680   | 0.18 |
| 1J | 12-444.971  | 27.773  | -5.312  | 3.08 | 3.08 | 4.62 | 4.62 | 157.994 | 35.742  | 0.18 |
| 1K | 12-444.971  | -30.544 | 0.964   | 3.08 | 3.08 | 4.62 | 4.62 | 169.568 | 6.680   | 0.18 |
| 1L | 12-444.971  | -30.544 | -5.312  | 3.08 | 3.08 | 4.62 | 4.62 | 169.568 | 35.742  | 0.18 |
| 1M | 12-416.957  | 27.773  | 0.964   | 3.08 | 3.08 | 4.62 | 4.62 | 165.867 | 7.120   | 0.17 |
| 1N | 12-416.957  | 27.773  | -5.312  | 3.08 | 3.08 | 4.62 | 4.62 | 165.867 | 37.999  | 0.17 |
| 1O | 12-416.957  | -30.544 | 0.964   | 3.08 | 3.08 | 4.62 | 4.62 | 177.668 | 7.120   | 0.17 |
| 1P | 12-416.957  | -30.544 | -5.312  | 3.08 | 3.08 | 4.62 | 4.62 | 177.668 | 37.999  | 0.17 |
| 1A | 25-451.357  | 10.369  | 0.276   | 3.08 | 3.08 | 4.62 | 4.62 | 67.614  | 1.674   | 0.17 |
| 1B | 25-451.357  | 10.369  | -4.317  | 3.08 | 3.08 | 4.62 | 4.62 | 67.614  | 29.060  | 0.17 |
| 1C | 25-451.357  | -12.811 | 0.276   | 3.08 | 3.08 | 4.62 | 4.62 | 81.730  | 1.674   | 0.17 |
| 1D | 25-451.357  | -12.811 | -4.317  | 3.08 | 3.08 | 4.62 | 4.62 | 81.730  | 29.060  | 0.17 |
| 1E | 25-409.100  | 10.369  | 0.276   | 3.08 | 3.08 | 4.62 | 4.62 | 73.785  | 1.894   | 0.15 |
| 1F | 25-409.100  | 10.369  | -4.317  | 3.08 | 3.08 | 4.62 | 4.62 | 73.785  | 31.776  | 0.15 |
| 1G | 25-409.100  | -12.811 | 0.276   | 3.08 | 3.08 | 4.62 | 4.62 | 89.194  | 1.894   | 0.15 |
| 1H | 25-409.100  | -12.811 | -4.317  | 3.08 | 3.08 | 4.62 | 4.62 | 89.194  | 31.776  | 0.15 |
| 1I | 25-444.236  | 25.555  | 0.743   | 3.08 | 3.08 | 4.62 | 4.62 | 148.328 | 5.094   | 0.17 |
| 1J | 25-444.236  | 25.555  | -4.785  | 3.08 | 3.08 | 4.62 | 4.62 | 148.328 | 32.407  | 0.17 |
| 1K | 25-444.236  | -27.997 | 0.743   | 3.08 | 3.08 | 4.62 | 4.62 | 159.160 | 5.094   | 0.18 |
| 1L | 25-444.236  | -27.997 | -4.785  | 3.08 | 3.08 | 4.62 | 4.62 | 159.160 | 32.407  | 0.18 |
| 1M | 25-416.222  | 25.555  | 0.743   | 3.08 | 3.08 | 4.62 | 4.62 | 156.031 | 5.473   | 0.16 |
| 1N | 25-416.222  | 25.555  | -4.785  | 3.08 | 3.08 | 4.62 | 4.62 | 156.031 | 34.485  | 0.16 |
| 1O | 25-416.222  | -27.997 | 0.743   | 3.08 | 3.08 | 4.62 | 4.62 | 167.072 | 5.473   | 0.17 |
| 1P | 25-416.222  | -27.997 | -4.785  | 3.08 | 3.08 | 4.62 | 4.62 | 167.072 | 34.485  | 0.17 |
| 1A | 325-433.700 | -10.754 | -10.718 | 3.08 | 3.08 | 4.62 | 4.62 | 72.484  | 68.760  | 0.16 |
| 1B | 325-433.700 | -10.754 | 14.051  | 3.08 | 3.08 | 4.62 | 4.62 | 72.484  | 86.295  | 0.16 |
| 1C | 325-433.700 | 16.206  | -10.718 | 3.08 | 3.08 | 4.62 | 4.62 | 103.898 | 68.760  | 0.16 |
| 1D | 325-433.700 | 16.206  | 14.051  | 3.08 | 3.08 | 4.62 | 4.62 | 103.898 | 86.295  | 0.16 |
| 1E | 325-391.443 | -10.754 | -10.718 | 3.08 | 3.08 | 4.62 | 4.62 | 79.371  | 75.078  | 0.15 |
| 1F | 325-391.443 | -10.754 | 14.051  | 3.08 | 3.08 | 4.62 | 4.62 | 79.371  | 93.853  | 0.15 |
| 1G | 325-391.443 | 16.206  | -10.718 | 3.08 | 3.08 | 4.62 | 4.62 | 113.420 | 75.078  | 0.15 |
| 1H | 325-391.443 | 16.206  | 14.051  | 3.08 | 3.08 | 4.62 | 4.62 | 113.420 | 93.853  | 0.15 |
| 1I | 325-426.578 | -27.666 | -4.543  | 3.08 | 3.08 | 4.62 | 4.62 | 162.619 | 32.061  | 0.17 |
| 1J | 325-426.578 | -27.666 | 7.877   | 3.08 | 3.08 | 4.62 | 4.62 | 162.619 | 53.285  | 0.17 |
| 1K | 325-426.578 | 33.118  | -4.543  | 3.08 | 3.08 | 4.62 | 4.62 | 184.995 | 32.061  | 0.18 |
| 1L | 325-426.578 | 33.118  | 7.877   | 3.08 | 3.08 | 4.62 | 4.62 | 184.995 | 53.285  | 0.18 |
| 1M | 325-398.564 | -27.666 | -4.543  | 3.08 | 3.08 | 4.62 | 4.62 | 170.951 | 34.210  | 0.16 |
| 1N | 325-398.564 | -27.666 | 7.877   | 3.08 | 3.08 | 4.62 | 4.62 | 170.951 | 56.624  | 0.16 |
| 1O | 325-398.564 | 33.118  | -4.543  | 3.08 | 3.08 | 4.62 | 4.62 | 193.626 | 34.210  | 0.17 |
| 1P | 325-398.564 | 33.118  | 7.877   | 3.08 | 3.08 | 4.62 | 4.62 | 193.626 | 56.624  | 0.17 |
| 1A | 350-432.228 | -12.646 | -11.757 | 3.08 | 3.08 | 4.62 | 4.62 | 83.974  | 74.659  | 0.16 |
| 1B | 350-432.228 | -12.646 | 15.459  | 3.08 | 3.08 | 4.62 | 4.62 | 83.974  | 93.577  | 0.16 |
| 1C | 350-432.228 | 18.492  | -11.757 | 3.08 | 3.08 | 4.62 | 4.62 | 116.613 | 74.659  | 0.16 |
| 1D | 350-432.228 | 18.492  | 15.459  | 3.08 | 3.08 | 4.62 | 4.62 | 116.613 | 93.577  | 0.16 |
| 1E | 350-389.972 | -12.646 | -11.757 | 3.08 | 3.08 | 4.62 | 4.62 | 91.976  | 81.259  | 0.15 |
| 1F | 350-389.972 | -12.646 | 15.459  | 3.08 | 3.08 | 4.62 | 4.62 | 91.976  | 101.635 | 0.15 |
| 1G | 350-389.972 | 18.492  | -11.757 | 3.08 | 3.08 | 4.62 | 4.62 | 127.057 | 81.259  | 0.15 |
| 1H | 350-389.972 | 18.492  | 15.459  | 3.08 | 3.08 | 4.62 | 4.62 | 127.057 | 101.635 | 0.15 |
| 1I | 350-425.107 | -32.232 | -5.107  | 3.08 | 3.08 | 4.62 | 4.62 | 182.005 | 35.953  | 0.18 |
| 1J | 350-425.107 | -32.232 | 8.809   | 3.08 | 3.08 | 4.62 | 4.62 | 182.005 | 59.055  | 0.18 |
| 1K | 350-425.107 | 38.079  | -5.107  | 3.08 | 3.08 | 4.62 | 4.62 | 203.065 | 35.953  | 0.19 |
| 1L | 350-425.107 | 38.079  | 8.809   | 3.08 | 3.08 | 4.62 | 4.62 | 203.065 | 59.055  | 0.19 |
| 1M | 350-397.093 | -32.232 | -5.107  | 3.08 | 3.08 | 4.62 | 4.62 | 190.647 | 38.333  | 0.17 |
| 1N | 350-397.093 | -32.232 | 8.809   | 3.08 | 3.08 | 4.62 | 4.62 | 190.647 | 62.569  | 0.17 |
| 1O | 350-397.093 | 38.079  | -5.107  | 3.08 | 3.08 | 4.62 | 4.62 | 211.510 | 38.333  | 0.18 |
| 1P | 350-397.093 | 38.079  | 8.809   | 3.08 | 3.08 | 4.62 | 4.62 | 211.510 | 62.569  | 0.18 |

ASTA NUM. 9 NI 73 NF 105 SEZ. Rp B= 0.400 H= 0.600 (pilastro)

PIL. NUM. 10

Copriferro: 3.0 cm

| NC | x         | Fx      | My     | Mz   | APOST | AANT | AINF | ASUP    | My.Res. | Mz.Res. | I.R. | Note |
|----|-----------|---------|--------|------|-------|------|------|---------|---------|---------|------|------|
|    | cm        | kN      | kN*m   |      | cmq   |      |      |         | kN*m    |         | Fx,M |      |
| 1A | 0-349.255 | -18.520 | 8.436  | 4.62 | 4.62  | 3.08 | 3.08 | 125.831 | 70.780  | 0.15    |      |      |
| 1B | 0-349.255 | -18.520 | -0.964 | 4.62 | 4.62  | 3.08 | 3.08 | 125.831 | 8.576   | 0.15    |      |      |
| 1C | 0-349.255 | -39.916 | 8.436  | 4.62 | 4.62  | 3.08 | 3.08 | 187.632 | 70.780  | 0.21    |      |      |
| 1D | 0-349.255 | -39.916 | -0.964 | 4.62 | 4.62  | 3.08 | 3.08 | 187.632 | 8.576   | 0.21    |      |      |
| 1E | 0-325.345 | -18.520 | 8.436  | 4.62 | 4.62  | 3.08 | 3.08 | 132.009 | 75.329  | 0.14    |      |      |
| 1F | 0-325.345 | -18.520 | -0.964 | 4.62 | 4.62  | 3.08 | 3.08 | 132.009 | 9.228   | 0.14    |      |      |
| 1G | 0-325.345 | -39.916 | 8.436  | 4.62 | 4.62  | 3.08 | 3.08 | 191.867 | 75.329  | 0.21    |      |      |
| 1H | 0-325.345 | -39.916 | -0.964 | 4.62 | 4.62  | 3.08 | 3.08 | 191.867 | 9.228   | 0.21    |      |      |
| 1I | 0-348.256 | -7.818  | 6.253  | 4.62 | 4.62  | 3.08 | 3.08 | 63.226  | 53.926  | 0.13    |      |      |
| 1J | 0-348.256 | -7.818  | 1.218  | 4.62 | 4.62  | 3.08 | 3.08 | 63.226  | 10.980  | 0.13    |      |      |
| 1K | 0-348.256 | -50.618 | 6.253  | 4.62 | 4.62  | 3.08 | 3.08 | 192.899 | 53.926  | 0.26    |      |      |
| 1L | 0-348.256 | -50.618 | 1.218  | 4.62 | 4.62  | 3.08 | 3.08 | 192.899 | 10.980  | 0.26    |      |      |
| 1M | 0-326.344 | -7.818  | 6.253  | 4.62 | 4.62  | 3.08 | 3.08 | 66.928  | 57.158  | 0.12    |      |      |
| 1N | 0-326.344 | -7.818  | 1.218  | 4.62 | 4.62  | 3.08 | 3.08 | 66.928  | 11.674  | 0.12    |      |      |
| 1O | 0-326.344 | -50.618 | 6.253  | 4.62 | 4.62  | 3.08 | 3.08 | 190.701 | 57.158  | 0.27    |      |      |
| 1P | 0-326.344 | -50.618 | 1.218  | 4.62 | 4.62  | 3.08 | 3.08 | 190.701 | 11.674  | 0.27    |      |      |

|    |             |         |         |      |      |      |      |         |         |      |
|----|-------------|---------|---------|------|------|------|------|---------|---------|------|
| 1A | 12-348.520  | -18.911 | 7.407   | 4.62 | 4.62 | 3.08 | 3.08 | 127.826 | 62.942  | 0.15 |
| 1B | 12-348.520  | -18.911 | -0.034  | 4.62 | 4.62 | 3.08 | 3.08 | 127.826 | 0.000   | 0.15 |
| 1C | 12-348.520  | -38.759 | 7.407   | 4.62 | 4.62 | 3.08 | 3.08 | 185.907 | 62.942  | 0.21 |
| 1D | 12-348.520  | -38.759 | -0.034  | 4.62 | 4.62 | 3.08 | 3.08 | 185.907 | 0.000   | 0.21 |
| 1E | 12-324.609  | -18.911 | 7.407   | 4.62 | 4.62 | 3.08 | 3.08 | 134.034 | 67.197  | 0.14 |
| 1F | 12-324.609  | -18.911 | -0.034  | 4.62 | 4.62 | 3.08 | 3.08 | 134.034 | 0.016   | 0.14 |
| 1G | 12-324.609  | -38.759 | 7.407   | 4.62 | 4.62 | 3.08 | 3.08 | 190.287 | 67.197  | 0.20 |
| 1H | 12-324.609  | -38.759 | -0.034  | 4.62 | 4.62 | 3.08 | 3.08 | 190.287 | 0.016   | 0.20 |
| 1I | 12-347.520  | -8.986  | 5.714   | 4.62 | 4.62 | 3.08 | 3.08 | 71.500  | 49.641  | 0.13 |
| 1J | 12-347.520  | -8.986  | 1.659   | 4.62 | 4.62 | 3.08 | 3.08 | 71.500  | 14.984  | 0.13 |
| 1K | 12-347.520  | -48.683 | 5.714   | 4.62 | 4.62 | 3.08 | 3.08 | 193.546 | 49.641  | 0.25 |
| 1L | 12-347.520  | -48.683 | 1.659   | 4.62 | 4.62 | 3.08 | 3.08 | 193.546 | 14.984  | 0.25 |
| 1M | 12-325.608  | -8.986  | 5.714   | 4.62 | 4.62 | 3.08 | 3.08 | 75.585  | 52.780  | 0.12 |
| 1N | 12-325.608  | -8.986  | 1.659   | 4.62 | 4.62 | 3.08 | 3.08 | 75.585  | 15.914  | 0.12 |
| 1O | 12-325.608  | -48.683 | 5.714   | 4.62 | 4.62 | 3.08 | 3.08 | 192.116 | 52.780  | 0.25 |
| 1P | 12-325.608  | -48.683 | 1.659   | 4.62 | 4.62 | 3.08 | 3.08 | 192.116 | 15.914  | 0.25 |
| 1A | 25-347.784  | -17.769 | 6.181   | 4.62 | 4.62 | 3.08 | 3.08 | 122.621 | 53.407  | 0.14 |
| 1B | 25-347.784  | -17.769 | 0.699   | 4.62 | 4.62 | 3.08 | 3.08 | 122.621 | 6.174   | 0.14 |
| 1C | 25-347.784  | -36.069 | 6.181   | 4.62 | 4.62 | 3.08 | 3.08 | 181.266 | 53.407  | 0.20 |
| 1D | 25-347.784  | -36.069 | 0.699   | 4.62 | 4.62 | 3.08 | 3.08 | 181.266 | 6.174   | 0.20 |
| 1E | 25-323.873  | -17.769 | 6.181   | 4.62 | 4.62 | 3.08 | 3.08 | 128.792 | 56.939  | 0.14 |
| 1F | 25-323.873  | -17.769 | 0.699   | 4.62 | 4.62 | 3.08 | 3.08 | 128.792 | 6.674   | 0.14 |
| 1G | 25-323.873  | -36.069 | 6.181   | 4.62 | 4.62 | 3.08 | 3.08 | 185.998 | 56.939  | 0.19 |
| 1H | 25-323.873  | -36.069 | 0.699   | 4.62 | 4.62 | 3.08 | 3.08 | 185.998 | 6.674   | 0.19 |
| 1I | 25-346.784  | -8.623  | 4.978   | 4.62 | 4.62 | 3.08 | 3.08 | 69.129  | 43.617  | 0.13 |
| 1J | 25-346.784  | -8.623  | 1.902   | 4.62 | 4.62 | 3.08 | 3.08 | 69.129  | 17.168  | 0.13 |
| 1K | 25-346.784  | -45.216 | 4.978   | 4.62 | 4.62 | 3.08 | 3.08 | 193.640 | 43.617  | 0.23 |
| 1L | 25-346.784  | -45.216 | 1.902   | 4.62 | 4.62 | 3.08 | 3.08 | 193.640 | 17.168  | 0.23 |
| 1M | 25-324.873  | -8.623  | 4.978   | 4.62 | 4.62 | 3.08 | 3.08 | 73.117  | 46.426  | 0.12 |
| 1N | 25-324.873  | -8.623  | 1.902   | 4.62 | 4.62 | 3.08 | 3.08 | 73.117  | 18.344  | 0.12 |
| 1O | 25-324.873  | -45.216 | 4.978   | 4.62 | 4.62 | 3.08 | 3.08 | 193.620 | 46.426  | 0.23 |
| 1P | 25-324.873  | -45.216 | 1.902   | 4.62 | 4.62 | 3.08 | 3.08 | 193.620 | 18.344  | 0.23 |
| 1A | 325-330.127 | 9.622   | -23.250 | 4.62 | 4.62 | 3.08 | 3.08 | 79.149  | 172.751 | 0.13 |
| 1B | 325-330.127 | 9.622   | 18.298  | 4.62 | 4.62 | 3.08 | 3.08 | 79.149  | 144.150 | 0.13 |
| 1C | 325-330.127 | 28.476  | -23.250 | 4.62 | 4.62 | 3.08 | 3.08 | 167.541 | 172.751 | 0.17 |
| 1D | 325-330.127 | 28.476  | 18.298  | 4.62 | 4.62 | 3.08 | 3.08 | 167.541 | 144.150 | 0.17 |
| 1E | 325-306.216 | 9.622   | -23.250 | 4.62 | 4.62 | 3.08 | 3.08 | 84.130  | 182.178 | 0.13 |
| 1F | 325-306.216 | 9.622   | 18.298  | 4.62 | 4.62 | 3.08 | 3.08 | 84.130  | 152.811 | 0.12 |
| 1G | 325-306.216 | 28.476  | -23.250 | 4.62 | 4.62 | 3.08 | 3.08 | 173.378 | 182.178 | 0.16 |
| 1H | 325-306.216 | 28.476  | 18.298  | 4.62 | 4.62 | 3.08 | 3.08 | 173.378 | 152.811 | 0.16 |
| 1I | 325-329.127 | 0.097   | -12.694 | 4.62 | 4.62 | 3.08 | 3.08 | 0.632   | 106.772 | 0.12 |
| 1J | 325-329.127 | 0.097   | 7.742   | 4.62 | 4.62 | 3.08 | 3.08 | 0.632   | 69.096  | 0.12 |
| 1K | 325-329.127 | 38.002  | -12.694 | 4.62 | 4.62 | 3.08 | 3.08 | 188.264 | 106.772 | 0.20 |
| 1L | 325-329.127 | 38.002  | 7.742   | 4.62 | 4.62 | 3.08 | 3.08 | 188.264 | 69.096  | 0.20 |
| 1M | 325-307.216 | 0.097   | -12.694 | 4.62 | 4.62 | 3.08 | 3.08 | 0.699   | 113.234 | 0.12 |
| 1N | 325-307.216 | 0.097   | 7.742   | 4.62 | 4.62 | 3.08 | 3.08 | 0.699   | 73.558  | 0.12 |
| 1O | 325-307.216 | 38.002  | -12.694 | 4.62 | 4.62 | 3.08 | 3.08 | 192.334 | 113.234 | 0.20 |
| 1P | 325-307.216 | 38.002  | 7.742   | 4.62 | 4.62 | 3.08 | 3.08 | 192.334 | 73.558  | 0.20 |
| 1A | 350-328.655 | 10.373  | -25.505 | 4.62 | 4.62 | 3.08 | 3.08 | 84.439  | 184.943 | 0.14 |
| 1B | 350-328.655 | 10.373  | 19.962  | 4.62 | 4.62 | 3.08 | 3.08 | 84.439  | 154.742 | 0.13 |
| 1C | 350-328.655 | 32.323  | -25.505 | 4.62 | 4.62 | 3.08 | 3.08 | 177.519 | 184.943 | 0.18 |
| 1D | 350-328.655 | 32.323  | 19.962  | 4.62 | 4.62 | 3.08 | 3.08 | 177.519 | 154.742 | 0.18 |
| 1E | 350-304.745 | 10.373  | -25.505 | 4.62 | 4.62 | 3.08 | 3.08 | 89.878  | 194.543 | 0.13 |
| 1F | 350-304.745 | 10.373  | 19.962  | 4.62 | 4.62 | 3.08 | 3.08 | 89.878  | 163.826 | 0.12 |
| 1G | 350-304.745 | 32.323  | -25.505 | 4.62 | 4.62 | 3.08 | 3.08 | 182.794 | 194.543 | 0.18 |
| 1H | 350-304.745 | 32.323  | 19.962  | 4.62 | 4.62 | 3.08 | 3.08 | 182.794 | 163.826 | 0.18 |
| 1I | 350-327.656 | -0.709  | -13.970 | 4.62 | 4.62 | 3.08 | 3.08 | 6.669   | 116.272 | 0.12 |
| 1J | 350-327.656 | -0.709  | 8.426   | 4.62 | 4.62 | 3.08 | 3.08 | 6.669   | 74.768  | 0.12 |
| 1K | 350-327.656 | 43.405  | -13.970 | 4.62 | 4.62 | 3.08 | 3.08 | 193.748 | 116.272 | 0.22 |
| 1L | 350-327.656 | 43.405  | 8.426   | 4.62 | 4.62 | 3.08 | 3.08 | 193.748 | 74.768  | 0.22 |
| 1M | 350-305.744 | -0.709  | -13.970 | 4.62 | 4.62 | 3.08 | 3.08 | 7.144   | 123.208 | 0.11 |
| 1N | 350-305.744 | -0.709  | 8.426   | 4.62 | 4.62 | 3.08 | 3.08 | 7.144   | 79.598  | 0.11 |
| 1O | 350-305.744 | 43.405  | -13.970 | 4.62 | 4.62 | 3.08 | 3.08 | 193.361 | 123.208 | 0.22 |
| 1P | 350-305.744 | 43.405  | 8.426   | 4.62 | 4.62 | 3.08 | 3.08 | 193.361 | 79.598  | 0.22 |

ASTA NUM. 10 NI 74 NF 106 SEZ. Rp B= 0.400 H= 0.600 (pilastro)

PILL. NUM. 9

Copriferro: 3.0 cm

| NC | x          | Fx      | My     | Mz   | APOST | AANT | AINF | ASUP    | My.Res. | Mz.Res. | I.R.  | Note |
|----|------------|---------|--------|------|-------|------|------|---------|---------|---------|-------|------|
|    | cm         | kN      | kN*m   |      |       |      |      |         | kN*m    |         | Fx, M |      |
| 1A | 0-205.067  | 21.258  | 4.029  | 4.62 | 4.62  | 3.08 | 3.08 | 181.235 | 58.517  | 0.12    |       |      |
| 1B | 0-205.067  | 21.258  | -4.878 | 4.62 | 4.62  | 3.08 | 3.08 | 181.235 | 69.804  | 0.12    |       |      |
| 1C | 0-205.067  | -12.558 | 4.029  | 4.62 | 4.62  | 3.08 | 3.08 | 138.409 | 58.517  | 0.09    |       |      |
| 1D | 0-205.067  | -12.558 | -4.878 | 4.62 | 4.62  | 3.08 | 3.08 | 138.409 | 69.804  | 0.09    |       |      |
| 1E | 0-150.533  | 21.258  | 4.029  | 4.62 | 4.62  | 3.08 | 3.08 | 193.440 | 77.532  | 0.11    |       |      |
| 1F | 0-150.533  | 21.258  | -4.878 | 4.62 | 4.62  | 3.08 | 3.08 | 193.440 | 91.924  | 0.11    |       |      |
| 1G | 0-150.533  | -12.558 | 4.029  | 4.62 | 4.62  | 3.08 | 3.08 | 164.854 | 77.532  | 0.08    |       |      |
| 1H | 0-150.533  | -12.558 | -4.878 | 4.62 | 4.62  | 3.08 | 3.08 | 164.854 | 91.924  | 0.08    |       |      |
| 1I | 0-214.181  | 40.399  | 3.647  | 4.62 | 4.62  | 3.08 | 3.08 | 175.887 | 51.308  | 0.23    |       |      |
| 1J | 0-214.181  | 40.399  | -4.496 | 4.62 | 4.62  | 3.08 | 3.08 | 175.887 | 62.227  | 0.23    |       |      |
| 1K | 0-214.181  | -31.699 | 3.647  | 4.62 | 4.62  | 3.08 | 3.08 | 192.428 | 51.308  | 0.16    |       |      |
| 1L | 0-214.181  | -31.699 | -4.496 | 4.62 | 4.62  | 3.08 | 3.08 | 192.428 | 62.227  | 0.16    |       |      |
| 1M | 0-141.419  | 40.399  | 3.647  | 4.62 | 4.62  | 3.08 | 3.08 | 122.262 | 74.962  | 0.33    |       |      |
| 1N | 0-141.419  | 40.399  | -4.496 | 4.62 | 4.62  | 3.08 | 3.08 | 122.262 | 90.391  | 0.33    |       |      |
| 1O | 0-141.419  | -31.699 | 3.647  | 4.62 | 4.62  | 3.08 | 3.08 | 154.726 | 74.962  | 0.20    |       |      |
| 1P | 0-141.419  | -31.699 | -4.496 | 4.62 | 4.62  | 3.08 | 3.08 | 154.726 | 90.391  | 0.20    |       |      |
| 1A | 12-204.331 | 19.984  | 3.020  | 4.62 | 4.62  | 3.08 | 3.08 | 177.115 | 44.860  | 0.11    |       |      |
| 1B | 12-204.331 | 19.984  | -4.280 | 4.62 | 4.62  | 3.08 | 3.08 | 177.115 | 62.097  | 0.11    |       |      |
| 1C | 12-204.331 | -11.416 | 3.020  | 4.62 | 4.62  | 3.08 | 3.08 | 130.376 | 44.860  | 0.09    |       |      |
| 1D | 12-204.331 | -11.416 | -4.280 | 4.62 | 4.62  | 3.08 | 3.08 | 130.376 | 62.097  | 0.09    |       |      |
| 1E | 12-149.797 | 19.984  | 3.020  | 4.62 | 4.62  | 3.08 | 3.08 | 193.772 | 59.942  | 0.10    |       |      |

|    |             |         |         |      |      |      |      |         |         |      |
|----|-------------|---------|---------|------|------|------|------|---------|---------|------|
| 1F | 12-149.797  | 19.984  | -4.280  | 4.62 | 4.62 | 3.08 | 3.08 | 193.772 | 82.209  | 0.10 |
| 1G | 12-149.797  | -11.416 | 3.020   | 4.62 | 4.62 | 3.08 | 3.08 | 157.360 | 59.942  | 0.07 |
| 1H | 12-149.797  | -11.416 | -4.280  | 4.62 | 4.62 | 3.08 | 3.08 | 157.360 | 82.209  | 0.07 |
| 1I | 12-213.445  | 37.736  | 2.939   | 4.62 | 4.62 | 3.08 | 3.08 | 182.110 | 42.046  | 0.21 |
| 1J | 12-213.445  | 37.736  | -4.198  | 4.62 | 4.62 | 3.08 | 3.08 | 182.110 | 58.573  | 0.21 |
| 1K | 12-213.445  | -29.168 | 2.939   | 4.62 | 4.62 | 3.08 | 3.08 | 193.750 | 42.046  | 0.15 |
| 1L | 12-213.445  | -29.168 | -4.198  | 4.62 | 4.62 | 3.08 | 3.08 | 193.750 | 58.573  | 0.15 |
| 1M | 12-140.683  | 37.736  | 2.939   | 4.62 | 4.62 | 3.08 | 3.08 | 130.277 | 61.952  | 0.29 |
| 1N | 12-140.683  | 37.736  | -4.198  | 4.62 | 4.62 | 3.08 | 3.08 | 130.277 | 85.469  | 0.29 |
| 1O | 12-140.683  | -29.168 | 2.939   | 4.62 | 4.62 | 3.08 | 3.08 | 164.926 | 61.952  | 0.18 |
| 1P | 12-140.683  | -29.168 | -4.198  | 4.62 | 4.62 | 3.08 | 3.08 | 164.926 | 85.469  | 0.18 |
| 1A | 25-203.596  | 18.444  | 2.102   | 4.62 | 4.62 | 3.08 | 3.08 | 171.379 | 31.941  | 0.11 |
| 1B | 25-203.596  | 18.444  | -3.590  | 4.62 | 4.62 | 3.08 | 3.08 | 171.379 | 53.013  | 0.11 |
| 1C | 25-203.596  | -10.540 | 2.102   | 4.62 | 4.62 | 3.08 | 3.08 | 123.756 | 31.941  | 0.09 |
| 1D | 25-203.596  | -10.540 | -3.590  | 4.62 | 4.62 | 3.08 | 3.08 | 123.756 | 53.013  | 0.09 |
| 1E | 25-149.062  | 18.444  | 2.102   | 4.62 | 4.62 | 3.08 | 3.08 | 192.350 | 42.888  | 0.10 |
| 1F | 25-149.062  | 18.444  | -3.590  | 4.62 | 4.62 | 3.08 | 3.08 | 192.350 | 70.588  | 0.10 |
| 1G | 25-149.062  | -10.540 | 2.102   | 4.62 | 4.62 | 3.08 | 3.08 | 150.953 | 42.888  | 0.07 |
| 1H | 25-149.062  | -10.540 | -3.590  | 4.62 | 4.62 | 3.08 | 3.08 | 150.953 | 70.588  | 0.07 |
| 1I | 25-212.710  | 34.807  | 2.322   | 4.62 | 4.62 | 3.08 | 3.08 | 187.866 | 33.595  | 0.19 |
| 1J | 25-212.710  | 34.807  | -3.809  | 4.62 | 4.62 | 3.08 | 3.08 | 187.866 | 53.794  | 0.19 |
| 1K | 25-212.710  | -26.903 | 2.322   | 4.62 | 4.62 | 3.08 | 3.08 | 193.245 | 33.595  | 0.14 |
| 1L | 25-212.710  | -26.903 | -3.809  | 4.62 | 4.62 | 3.08 | 3.08 | 193.245 | 53.794  | 0.14 |
| 1M | 25-139.948  | 34.807  | 2.322   | 4.62 | 4.62 | 3.08 | 3.08 | 140.586 | 50.069  | 0.25 |
| 1N | 25-139.948  | 34.807  | -3.809  | 4.62 | 4.62 | 3.08 | 3.08 | 140.586 | 78.715  | 0.25 |
| 1O | 25-139.948  | -26.903 | 2.322   | 4.62 | 4.62 | 3.08 | 3.08 | 173.852 | 50.069  | 0.15 |
| 1P | 25-139.948  | -26.903 | -3.809  | 4.62 | 4.62 | 3.08 | 3.08 | 173.852 | 78.715  | 0.15 |
| 1A | 325-185.938 | -18.519 | -19.927 | 4.62 | 4.62 | 3.08 | 3.08 | 178.425 | 224.965 | 0.10 |
| 1B | 325-185.938 | -18.519 | 12.967  | 4.62 | 4.62 | 3.08 | 3.08 | 178.425 | 171.527 | 0.10 |
| 1C | 325-185.938 | 10.481  | -19.927 | 4.62 | 4.62 | 3.08 | 3.08 | 131.152 | 224.965 | 0.09 |
| 1D | 325-185.938 | 10.481  | 12.967  | 4.62 | 4.62 | 3.08 | 3.08 | 131.152 | 171.527 | 0.08 |
| 1E | 325-131.404 | -18.519 | -19.927 | 4.62 | 4.62 | 3.08 | 3.08 | 193.469 | 260.865 | 0.10 |
| 1F | 325-131.404 | -18.519 | 12.967  | 4.62 | 4.62 | 3.08 | 3.08 | 193.469 | 215.022 | 0.10 |
| 1G | 325-131.404 | 10.481  | -19.927 | 4.62 | 4.62 | 3.08 | 3.08 | 161.175 | 260.865 | 0.08 |
| 1H | 325-131.404 | 10.481  | 12.967  | 4.62 | 4.62 | 3.08 | 3.08 | 161.175 | 215.022 | 0.07 |
| 1I | 325-195.052 | -35.486 | -12.484 | 4.62 | 4.62 | 3.08 | 3.08 | 179.518 | 161.021 | 0.20 |
| 1J | 325-195.052 | -35.486 | 5.524   | 4.62 | 4.62 | 3.08 | 3.08 | 179.518 | 81.571  | 0.20 |
| 1K | 325-195.052 | 27.449  | -12.484 | 4.62 | 4.62 | 3.08 | 3.08 | 193.489 | 161.021 | 0.14 |
| 1L | 325-195.052 | 27.449  | 5.524   | 4.62 | 4.62 | 3.08 | 3.08 | 193.489 | 81.571  | 0.14 |
| 1M | 325-122.290 | -35.486 | -12.484 | 4.62 | 4.62 | 3.08 | 3.08 | 120.369 | 219.152 | 0.29 |
| 1N | 325-122.290 | -35.486 | 5.524   | 4.62 | 4.62 | 3.08 | 3.08 | 120.369 | 122.043 | 0.29 |
| 1O | 325-122.290 | 27.449  | -12.484 | 4.62 | 4.62 | 3.08 | 3.08 | 154.542 | 219.152 | 0.18 |
| 1P | 325-122.290 | 27.449  | 5.524   | 4.62 | 4.62 | 3.08 | 3.08 | 154.542 | 122.043 | 0.18 |
| 1A | 350-184.467 | -21.333 | -21.671 | 4.62 | 4.62 | 3.08 | 3.08 | 188.362 | 235.555 | 0.11 |
| 1B | 350-184.467 | -21.333 | 14.438  | 4.62 | 4.62 | 3.08 | 3.08 | 188.362 | 186.020 | 0.11 |
| 1C | 350-184.467 | 12.499  | -21.671 | 4.62 | 4.62 | 3.08 | 3.08 | 147.252 | 235.555 | 0.09 |
| 1D | 350-184.467 | 12.499  | 14.438  | 4.62 | 4.62 | 3.08 | 3.08 | 147.252 | 186.020 | 0.08 |
| 1E | 350-129.933 | -21.333 | -21.671 | 4.62 | 4.62 | 3.08 | 3.08 | 187.657 | 267.418 | 0.11 |
| 1F | 350-129.933 | -21.333 | 14.438  | 4.62 | 4.62 | 3.08 | 3.08 | 187.657 | 229.205 | 0.11 |
| 1G | 350-129.933 | 12.499  | -21.671 | 4.62 | 4.62 | 3.08 | 3.08 | 175.903 | 267.418 | 0.08 |
| 1H | 350-129.933 | 12.499  | 14.438  | 4.62 | 4.62 | 3.08 | 3.08 | 175.903 | 229.205 | 0.07 |
| 1I | 350-193.581 | -41.078 | -13.627 | 4.62 | 4.62 | 3.08 | 3.08 | 161.954 | 172.692 | 0.25 |
| 1J | 350-193.581 | -41.078 | 6.393   | 4.62 | 4.62 | 3.08 | 3.08 | 161.954 | 93.463  | 0.25 |
| 1K | 350-193.581 | 32.244  | -13.627 | 4.62 | 4.62 | 3.08 | 3.08 | 186.721 | 172.692 | 0.17 |
| 1L | 350-193.581 | 32.244  | 6.393   | 4.62 | 4.62 | 3.08 | 3.08 | 186.721 | 93.463  | 0.17 |
| 1M | 350-120.819 | -41.078 | -13.627 | 4.62 | 4.62 | 3.08 | 3.08 | 102.815 | 230.929 | 0.40 |
| 1N | 350-120.819 | -41.078 | 6.393   | 4.62 | 4.62 | 3.08 | 3.08 | 102.815 | 138.855 | 0.40 |
| 1O | 350-120.819 | 32.244  | -13.627 | 4.62 | 4.62 | 3.08 | 3.08 | 130.948 | 230.929 | 0.25 |
| 1P | 350-120.819 | 32.244  | 6.393   | 4.62 | 4.62 | 3.08 | 3.08 | 130.948 | 138.855 | 0.25 |

ASTA NUM. 12 NI 76 NF 108 SEZ. Rp B= 0.300 H= 0.600 (pilastro)

PIL. NUM. 7

Copriferro: 3.0 cm

| NC | x          | Fx     | My      | Mz   | APOST | AANT | AINF | ASUP    | My.Res. | Mz.Res. | I.R. | Note |
|----|------------|--------|---------|------|-------|------|------|---------|---------|---------|------|------|
|    | cm         | kN     | kN*m    |      | cmq   |      |      |         | kN*m    |         | Fx,M |      |
| 1A | 0-195.663  | 10.749 | 42.313  | 4.62 | 4.62  | 3.08 | 3.08 | 89.204  | 212.998 | 0.20    |      |      |
| 1B | 0-195.663  | 10.749 | -30.427 | 4.62 | 4.62  | 3.08 | 3.08 | 89.204  | 206.428 | 0.15    |      |      |
| 1C | 0-195.663  | 7.344  | 42.313  | 4.62 | 4.62  | 3.08 | 3.08 | 69.909  | 212.998 | 0.20    |      |      |
| 1D | 0-195.663  | 7.344  | -30.427 | 4.62 | 4.62  | 3.08 | 3.08 | 69.909  | 206.428 | 0.15    |      |      |
| 1E | 0-179.737  | 10.749 | 42.313  | 4.62 | 4.62  | 3.08 | 3.08 | 93.417  | 209.837 | 0.20    |      |      |
| 1F | 0-179.737  | 10.749 | -30.427 | 4.62 | 4.62  | 3.08 | 3.08 | 93.417  | 212.190 | 0.14    |      |      |
| 1G | 0-179.737  | 7.344  | 42.313  | 4.62 | 4.62  | 3.08 | 3.08 | 74.164  | 209.837 | 0.20    |      |      |
| 1H | 0-179.737  | 7.344  | -30.427 | 4.62 | 4.62  | 3.08 | 3.08 | 74.164  | 212.190 | 0.14    |      |      |
| 1I | 0-192.826  | 12.909 | 35.418  | 4.62 | 4.62  | 3.08 | 3.08 | 98.806  | 214.457 | 0.17    |      |      |
| 1J | 0-192.826  | 12.909 | -23.532 | 4.62 | 4.62  | 3.08 | 3.08 | 98.806  | 186.952 | 0.13    |      |      |
| 1K | 0-192.826  | 5.184  | 35.418  | 4.62 | 4.62  | 3.08 | 3.08 | 54.228  | 214.457 | 0.17    |      |      |
| 1L | 0-192.826  | 5.184  | -23.532 | 4.62 | 4.62  | 3.08 | 3.08 | 54.228  | 186.952 | 0.13    |      |      |
| 1M | 0-182.574  | 12.909 | 35.418  | 4.62 | 4.62  | 3.08 | 3.08 | 101.305 | 214.704 | 0.16    |      |      |
| 1N | 0-182.574  | 12.909 | -23.532 | 4.62 | 4.62  | 3.08 | 3.08 | 101.305 | 191.695 | 0.13    |      |      |
| 1O | 0-182.574  | 5.184  | 35.418  | 4.62 | 4.62  | 3.08 | 3.08 | 56.662  | 214.704 | 0.16    |      |      |
| 1P | 0-182.574  | 5.184  | -23.532 | 4.62 | 4.62  | 3.08 | 3.08 | 56.662  | 191.695 | 0.12    |      |      |
| 1A | 12-195.110 | 10.411 | 39.423  | 4.62 | 4.62  | 3.08 | 3.08 | 87.739  | 214.398 | 0.18    |      |      |
| 1B | 12-195.110 | 10.411 | -27.715 | 4.62 | 4.62  | 3.08 | 3.08 | 87.739  | 199.649 | 0.14    |      |      |
| 1C | 12-195.110 | 7.288  | 39.423  | 4.62 | 4.62  | 3.08 | 3.08 | 69.671  | 214.398 | 0.18    |      |      |
| 1D | 12-195.110 | 7.288  | -27.715 | 4.62 | 4.62  | 3.08 | 3.08 | 69.671  | 199.649 | 0.14    |      |      |
| 1E | 12-179.183 | 10.411 | 39.423  | 4.62 | 4.62  | 3.08 | 3.08 | 91.999  | 212.475 | 0.19    |      |      |
| 1F | 12-179.183 | 10.411 | -27.715 | 4.62 | 4.62  | 3.08 | 3.08 | 91.999  | 206.044 | 0.13    |      |      |
| 1G | 12-179.183 | 7.288  | 39.423  | 4.62 | 4.62  | 3.08 | 3.08 | 73.935  | 212.475 | 0.19    |      |      |
| 1H | 12-179.183 | 7.288  | -27.715 | 4.62 | 4.62  | 3.08 | 3.08 | 73.935  | 206.044 | 0.13    |      |      |
| 1I | 12-192.273 | 12.392 | 33.056  | 4.62 | 4.62  | 3.08 | 3.08 | 97.021  | 213.157 | 0.16    |      |      |
| 1J | 12-192.273 | 12.392 | -21.347 | 4.62 | 4.62  | 3.08 | 3.08 | 97.021  | 178.358 | 0.13    |      |      |

|    |             |         |         |      |      |      |      |         |         |      |
|----|-------------|---------|---------|------|------|------|------|---------|---------|------|
| 1K | 12-192.273  | 5.308   | 33.056  | 4.62 | 4.62 | 3.08 | 3.08 | 55.399  | 213.157 | 0.16 |
| 1L | 12-192.273  | 5.308   | -21.347 | 4.62 | 4.62 | 3.08 | 3.08 | 55.399  | 178.358 | 0.12 |
| 1M | 12-182.020  | 12.392  | 33.056  | 4.62 | 4.62 | 3.08 | 3.08 | 99.582  | 214.311 | 0.15 |
| 1N | 12-182.020  | 12.392  | -21.347 | 4.62 | 4.62 | 3.08 | 3.08 | 99.582  | 183.391 | 0.12 |
| 1O | 12-182.020  | 5.308   | 33.056  | 4.62 | 4.62 | 3.08 | 3.08 | 57.877  | 214.311 | 0.15 |
| 1P | 12-182.020  | 5.308   | -21.347 | 4.62 | 4.62 | 3.08 | 3.08 | 57.877  | 183.391 | 0.12 |
| 1A | 25-194.556  | 9.286   | 36.180  | 4.62 | 4.62 | 3.08 | 3.08 | 82.074  | 214.579 | 0.17 |
| 1B | 25-194.556  | 9.286   | -25.357 | 4.62 | 4.62 | 3.08 | 3.08 | 82.074  | 192.638 | 0.13 |
| 1C | 25-194.556  | 6.445   | 36.180  | 4.62 | 4.62 | 3.08 | 3.08 | 63.818  | 214.579 | 0.17 |
| 1D | 25-194.556  | 6.445   | -25.357 | 4.62 | 4.62 | 3.08 | 3.08 | 63.818  | 192.638 | 0.13 |
| 1E | 25-178.629  | 9.286   | 36.180  | 4.62 | 4.62 | 3.08 | 3.08 | 86.419  | 214.368 | 0.17 |
| 1F | 25-178.629  | 9.286   | -25.357 | 4.62 | 4.62 | 3.08 | 3.08 | 86.419  | 199.597 | 0.13 |
| 1G | 25-178.629  | 6.445   | 36.180  | 4.62 | 4.62 | 3.08 | 3.08 | 67.958  | 214.368 | 0.17 |
| 1H | 25-178.629  | 6.445   | -25.357 | 4.62 | 4.62 | 3.08 | 3.08 | 67.958  | 199.597 | 0.13 |
| 1I | 25-191.719  | 11.087  | 30.339  | 4.62 | 4.62 | 3.08 | 3.08 | 91.763  | 207.662 | 0.15 |
| 1J | 25-191.719  | 11.087  | -19.517 | 4.62 | 4.62 | 3.08 | 3.08 | 91.763  | 170.142 | 0.12 |
| 1K | 25-191.719  | 4.645   | 30.339  | 4.62 | 4.62 | 3.08 | 3.08 | 49.798  | 207.662 | 0.15 |
| 1L | 25-191.719  | 4.645   | -19.517 | 4.62 | 4.62 | 3.08 | 3.08 | 49.798  | 170.142 | 0.11 |
| 1M | 25-181.467  | 11.087  | 30.339  | 4.62 | 4.62 | 3.08 | 3.08 | 94.458  | 211.381 | 0.14 |
| 1N | 25-181.467  | 11.087  | -19.517 | 4.62 | 4.62 | 3.08 | 3.08 | 94.458  | 175.376 | 0.12 |
| 1O | 25-181.467  | 4.645   | 30.339  | 4.62 | 4.62 | 3.08 | 3.08 | 52.102  | 211.381 | 0.14 |
| 1P | 25-181.467  | 4.645   | -19.517 | 4.62 | 4.62 | 3.08 | 3.08 | 52.102  | 175.376 | 0.11 |
| 1A | 325-181.271 | -17.714 | -41.665 | 4.62 | 4.62 | 3.08 | 3.08 | 114.177 | 210.866 | 0.20 |
| 1B | 325-181.271 | -17.714 | 31.232  | 4.62 | 4.62 | 3.08 | 3.08 | 114.177 | 213.216 | 0.16 |
| 1C | 325-181.271 | -13.790 | -41.665 | 4.62 | 4.62 | 3.08 | 3.08 | 104.517 | 210.866 | 0.20 |
| 1D | 325-181.271 | -13.790 | 31.232  | 4.62 | 4.62 | 3.08 | 3.08 | 104.517 | 213.216 | 0.15 |
| 1E | 325-165.344 | -17.714 | -41.665 | 4.62 | 4.62 | 3.08 | 3.08 | 116.131 | 206.423 | 0.20 |
| 1F | 325-165.344 | -17.714 | 31.232  | 4.62 | 4.62 | 3.08 | 3.08 | 116.131 | 214.678 | 0.15 |
| 1G | 325-165.344 | -13.790 | -41.665 | 4.62 | 4.62 | 3.08 | 3.08 | 108.313 | 206.423 | 0.20 |
| 1H | 325-165.344 | -13.790 | 31.232  | 4.62 | 4.62 | 3.08 | 3.08 | 108.313 | 214.678 | 0.15 |
| 1I | 325-178.433 | -20.226 | -34.851 | 4.62 | 4.62 | 3.08 | 3.08 | 115.905 | 214.682 | 0.17 |
| 1J | 325-178.433 | -20.226 | 24.419  | 4.62 | 4.62 | 3.08 | 3.08 | 115.905 | 196.677 | 0.17 |
| 1K | 325-178.433 | -11.277 | -34.851 | 4.62 | 4.62 | 3.08 | 3.08 | 96.091  | 214.682 | 0.16 |
| 1L | 325-178.433 | -11.277 | 24.419  | 4.62 | 4.62 | 3.08 | 3.08 | 96.091  | 196.677 | 0.12 |
| 1M | 325-168.181 | -20.226 | -34.851 | 4.62 | 4.62 | 3.08 | 3.08 | 115.082 | 214.004 | 0.18 |
| 1N | 325-168.181 | -20.226 | 24.419  | 4.62 | 4.62 | 3.08 | 3.08 | 115.082 | 201.347 | 0.18 |
| 1O | 325-168.181 | -11.277 | -34.851 | 4.62 | 4.62 | 3.08 | 3.08 | 98.881  | 214.004 | 0.16 |
| 1P | 325-168.181 | -11.277 | 24.419  | 4.62 | 4.62 | 3.08 | 3.08 | 98.881  | 201.347 | 0.12 |
| 1A | 350-180.163 | -19.177 | -47.798 | 4.62 | 4.62 | 3.08 | 3.08 | 116.124 | 203.473 | 0.23 |
| 1B | 350-180.163 | -19.177 | 36.302  | 4.62 | 4.62 | 3.08 | 3.08 | 116.124 | 214.432 | 0.17 |
| 1C | 350-180.163 | -14.688 | -47.798 | 4.62 | 4.62 | 3.08 | 3.08 | 107.403 | 203.473 | 0.23 |
| 1D | 350-180.163 | -14.688 | 36.302  | 4.62 | 4.62 | 3.08 | 3.08 | 107.403 | 214.432 | 0.17 |
| 1E | 350-164.237 | -19.177 | -47.798 | 4.62 | 4.62 | 3.08 | 3.08 | 115.567 | 197.734 | 0.24 |
| 1F | 350-164.237 | -19.177 | 36.302  | 4.62 | 4.62 | 3.08 | 3.08 | 115.567 | 212.324 | 0.17 |
| 1G | 350-164.237 | -14.688 | -47.798 | 4.62 | 4.62 | 3.08 | 3.08 | 111.005 | 197.734 | 0.24 |
| 1H | 350-164.237 | -14.688 | 36.302  | 4.62 | 4.62 | 3.08 | 3.08 | 111.005 | 212.324 | 0.17 |
| 1I | 350-177.326 | -22.049 | -39.930 | 4.62 | 4.62 | 3.08 | 3.08 | 114.353 | 211.675 | 0.19 |
| 1J | 350-177.326 | -22.049 | 28.434  | 4.62 | 4.62 | 3.08 | 3.08 | 114.353 | 208.576 | 0.19 |
| 1K | 350-177.326 | -11.817 | -39.930 | 4.62 | 4.62 | 3.08 | 3.08 | 98.592  | 211.675 | 0.19 |
| 1L | 350-177.326 | -11.817 | 28.434  | 4.62 | 4.62 | 3.08 | 3.08 | 98.592  | 208.576 | 0.14 |
| 1M | 350-167.074 | -22.049 | -39.930 | 4.62 | 4.62 | 3.08 | 3.08 | 112.553 | 209.138 | 0.20 |
| 1N | 350-167.074 | -22.049 | 28.434  | 4.62 | 4.62 | 3.08 | 3.08 | 112.553 | 212.531 | 0.20 |
| 1O | 350-167.074 | -11.817 | -39.930 | 4.62 | 4.62 | 3.08 | 3.08 | 101.320 | 209.138 | 0.19 |
| 1P | 350-167.074 | -11.817 | 28.434  | 4.62 | 4.62 | 3.08 | 3.08 | 101.320 | 212.531 | 0.13 |

ASTA NUM. 20 NI 84 NF 116 SEZ. Rp B= 0.600 H= 0.300 (pilastro)

PIL. NUM. 24

Copriferro: 3.0 cm

| NC | x          | Fx      | My      | Mz   | APOST | AANT | AINF | ASUP    | My.Res. | Mz.Res. | I.R. | Note |
|----|------------|---------|---------|------|-------|------|------|---------|---------|---------|------|------|
|    | cm         | kN      | kN*m    |      | cmq   |      |      |         | kN*m    |         | Fx,M |      |
| 1A | 0-316.966  | 18.903  | 4.128   | 3.08 | 3.08  | 4.62 | 4.62 | 118.135 | 29.178  | 0.16    |      |      |
| 1B | 0-316.966  | 18.903  | -12.754 | 3.08 | 3.08  | 4.62 | 4.62 | 118.135 | 73.389  | 0.17    |      |      |
| 1C | 0-316.966  | -31.623 | 4.128   | 3.08 | 3.08  | 4.62 | 4.62 | 168.202 | 29.178  | 0.19    |      |      |
| 1D | 0-316.966  | -31.623 | -12.754 | 3.08 | 3.08  | 4.62 | 4.62 | 168.202 | 73.389  | 0.19    |      |      |
| 1E | 0-239.634  | 18.903  | 4.128   | 3.08 | 3.08  | 4.62 | 4.62 | 145.043 | 37.332  | 0.13    |      |      |
| 1F | 0-239.634  | 18.903  | -12.754 | 3.08 | 3.08  | 4.62 | 4.62 | 145.043 | 87.607  | 0.15    |      |      |
| 1G | 0-239.634  | -31.623 | 4.128   | 3.08 | 3.08  | 4.62 | 4.62 | 193.683 | 37.332  | 0.16    |      |      |
| 1H | 0-239.634  | -31.623 | -12.754 | 3.08 | 3.08  | 4.62 | 4.62 | 193.683 | 87.607  | 0.16    |      |      |
| 1I | 0-297.351  | 43.907  | -0.659  | 3.08 | 3.08  | 4.62 | 4.62 | 202.629 | 5.291   | 0.22    |      |      |
| 1J | 0-297.351  | 43.907  | -7.967  | 3.08 | 3.08  | 4.62 | 4.62 | 202.629 | 54.078  | 0.22    |      |      |
| 1K | 0-297.351  | -56.627 | -0.659  | 3.08 | 3.08  | 4.62 | 4.62 | 214.706 | 5.291   | 0.26    |      |      |
| 1L | 0-297.351  | -56.627 | -7.967  | 3.08 | 3.08  | 4.62 | 4.62 | 214.706 | 54.078  | 0.26    |      |      |
| 1M | 0-259.249  | 43.907  | -0.659  | 3.08 | 3.08  | 4.62 | 4.62 | 212.218 | 6.068   | 0.21    |      |      |
| 1N | 0-259.249  | 43.907  | -7.967  | 3.08 | 3.08  | 4.62 | 4.62 | 212.218 | 60.260  | 0.21    |      |      |
| 1O | 0-259.249  | -56.627 | -0.659  | 3.08 | 3.08  | 4.62 | 4.62 | 212.703 | 6.068   | 0.27    |      |      |
| 1P | 0-259.249  | -56.627 | -7.967  | 3.08 | 3.08  | 4.62 | 4.62 | 212.703 | 60.260  | 0.27    |      |      |
| 1A | 12-316.416 | 17.135  | 2.978   | 3.08 | 3.08  | 4.62 | 4.62 | 109.485 | 21.693  | 0.16    |      |      |
| 1B | 12-316.416 | 17.135  | -11.478 | 3.08 | 3.08  | 4.62 | 4.62 | 109.485 | 68.223  | 0.17    |      |      |
| 1C | 12-316.416 | -29.688 | 2.978   | 3.08 | 3.08  | 4.62 | 4.62 | 162.241 | 21.693  | 0.18    |      |      |
| 1D | 12-316.416 | -29.688 | -11.478 | 3.08 | 3.08  | 4.62 | 4.62 | 162.241 | 68.223  | 0.18    |      |      |
| 1E | 12-239.084 | 17.135  | 2.978   | 3.08 | 3.08  | 4.62 | 4.62 | 135.579 | 28.019  | 0.13    |      |      |
| 1F | 12-239.084 | 17.135  | -11.478 | 3.08 | 3.08  | 4.62 | 4.62 | 135.579 | 82.371  | 0.14    |      |      |
| 1G | 12-239.084 | -29.688 | 2.978   | 3.08 | 3.08  | 4.62 | 4.62 | 188.476 | 28.019  | 0.16    |      |      |
| 1H | 12-239.084 | -29.688 | -11.478 | 3.08 | 3.08  | 4.62 | 4.62 | 188.476 | 82.371  | 0.16    |      |      |
| 1I | 12-296.801 | 40.304  | -1.126  | 3.08 | 3.08  | 4.62 | 4.62 | 196.047 | 9.029   | 0.21    |      |      |
| 1J | 12-296.801 | 40.304  | -7.375  | 3.08 | 3.08  | 4.62 | 4.62 | 196.047 | 50.847  | 0.21    |      |      |
| 1K | 12-296.801 | -52.857 | -1.126  | 3.08 | 3.08  | 4.62 | 4.62 | 213.986 | 9.029   | 0.25    |      |      |
| 1L | 12-296.801 | -52.857 | -7.375  | 3.08 | 3.08  | 4.62 | 4.62 | 213.986 | 50.847  | 0.25    |      |      |
| 1M | 12-258.699 | 40.304  | -1.126  | 3.08 | 3.08  | 4.62 | 4.62 | 206.559 | 10.378  | 0.20    |      |      |
| 1N | 12-258.699 | 40.304  | -7.375  | 3.08 | 3.08  | 4.62 | 4.62 | 206.559 | 56.837  | 0.20    |      |      |
| 1O | 12-258.699 | -52.857 | -1.126  | 3.08 | 3.08  | 4.62 | 4.62 | 214.244 | 10.378  | 0.25    |      |      |



|    |             |         |         |      |      |      |      |         |         |      |
|----|-------------|---------|---------|------|------|------|------|---------|---------|------|
| 1P | 12-258.699  | -52.857 | -7.375  | 3.08 | 3.08 | 4.62 | 4.62 | 214.244 | 56.837  | 0.25 |
| 1A | 25-315.866  | 15.700  | 2.079   | 3.08 | 3.08 | 4.62 | 4.62 | 102.088 | 15.394  | 0.15 |
| 1B | 25-315.866  | 15.700  | -9.952  | 3.08 | 3.08 | 4.62 | 4.62 | 102.088 | 61.438  | 0.16 |
| 1C | 25-315.866  | -27.419 | 2.079   | 3.08 | 3.08 | 4.62 | 4.62 | 154.620 | 15.394  | 0.18 |
| 1D | 25-315.866  | -27.419 | -9.952  | 3.08 | 3.08 | 4.62 | 4.62 | 154.620 | 61.438  | 0.18 |
| 1E | 25-238.534  | 15.700  | 2.079   | 3.08 | 3.08 | 4.62 | 4.62 | 127.372 | 20.180  | 0.12 |
| 1F | 25-238.534  | 15.700  | -9.952  | 3.08 | 3.08 | 4.62 | 4.62 | 127.372 | 75.219  | 0.13 |
| 1G | 25-238.534  | -27.419 | 2.079   | 3.08 | 3.08 | 4.62 | 4.62 | 181.561 | 20.180  | 0.15 |
| 1H | 25-238.534  | -27.419 | -9.952  | 3.08 | 3.08 | 4.62 | 4.62 | 181.561 | 75.219  | 0.15 |
| 1I | 25-296.251  | 37.035  | -1.342  | 3.08 | 3.08 | 4.62 | 4.62 | 189.065 | 10.804  | 0.20 |
| 1J | 25-296.251  | 37.035  | -6.531  | 3.08 | 3.08 | 4.62 | 4.62 | 189.065 | 46.016  | 0.20 |
| 1K | 25-296.251  | -48.754 | -1.342  | 3.08 | 3.08 | 4.62 | 4.62 | 210.336 | 10.804  | 0.23 |
| 1L | 25-296.251  | -48.754 | -6.531  | 3.08 | 3.08 | 4.62 | 4.62 | 210.336 | 46.016  | 0.23 |
| 1M | 25-258.149  | 37.035  | -1.342  | 3.08 | 3.08 | 4.62 | 4.62 | 200.423 | 12.300  | 0.18 |
| 1N | 25-258.149  | 37.035  | -6.531  | 3.08 | 3.08 | 4.62 | 4.62 | 200.423 | 51.605  | 0.18 |
| 1O | 25-258.149  | -48.754 | -1.342  | 3.08 | 3.08 | 4.62 | 4.62 | 214.677 | 12.300  | 0.23 |
| 1P | 25-258.149  | -48.754 | -6.531  | 3.08 | 3.08 | 4.62 | 4.62 | 214.677 | 51.605  | 0.23 |
| 1A | 325-302.666 | -18.723 | -19.497 | 3.08 | 3.08 | 4.62 | 4.62 | 121.531 | 96.998  | 0.20 |
| 1B | 325-302.666 | -18.723 | 26.682  | 3.08 | 3.08 | 4.62 | 4.62 | 121.531 | 110.464 | 0.24 |
| 1C | 325-302.666 | 27.042  | -19.497 | 3.08 | 3.08 | 4.62 | 4.62 | 157.456 | 96.998  | 0.20 |
| 1D | 325-302.666 | 27.042  | 26.682  | 3.08 | 3.08 | 4.62 | 4.62 | 157.456 | 110.464 | 0.24 |
| 1E | 325-225.334 | -18.723 | -19.497 | 3.08 | 3.08 | 4.62 | 4.62 | 150.235 | 109.751 | 0.18 |
| 1F | 325-225.334 | -18.723 | 26.682  | 3.08 | 3.08 | 4.62 | 4.62 | 150.235 | 115.356 | 0.23 |
| 1G | 325-225.334 | 27.042  | -19.497 | 3.08 | 3.08 | 4.62 | 4.62 | 185.459 | 109.751 | 0.18 |
| 1H | 325-225.334 | 27.042  | 26.682  | 3.08 | 3.08 | 4.62 | 4.62 | 185.459 | 115.356 | 0.23 |
| 1I | 325-283.051 | -41.416 | -6.534  | 3.08 | 3.08 | 4.62 | 4.62 | 201.938 | 47.836  | 0.21 |
| 1J | 325-283.051 | -41.416 | 13.719  | 3.08 | 3.08 | 4.62 | 4.62 | 201.938 | 82.857  | 0.21 |
| 1K | 325-283.051 | 49.735  | -6.534  | 3.08 | 3.08 | 4.62 | 4.62 | 213.701 | 47.836  | 0.23 |
| 1L | 325-283.051 | 49.735  | 13.719  | 3.08 | 3.08 | 4.62 | 4.62 | 213.701 | 82.857  | 0.23 |
| 1M | 325-244.949 | -41.416 | -6.534  | 3.08 | 3.08 | 4.62 | 4.62 | 212.111 | 53.885  | 0.20 |
| 1N | 325-244.949 | -41.416 | 13.719  | 3.08 | 3.08 | 4.62 | 4.62 | 212.111 | 90.173  | 0.20 |
| 1O | 325-244.949 | 49.735  | -6.534  | 3.08 | 3.08 | 4.62 | 4.62 | 214.335 | 53.885  | 0.23 |
| 1P | 325-244.949 | 49.735  | 13.719  | 3.08 | 3.08 | 4.62 | 4.62 | 214.335 | 90.173  | 0.23 |
| 1A | 350-301.566 | -21.926 | -21.546 | 3.08 | 3.08 | 4.62 | 4.62 | 136.986 | 101.772 | 0.21 |
| 1B | 350-301.566 | -21.926 | 29.484  | 3.08 | 3.08 | 4.62 | 4.62 | 136.986 | 114.193 | 0.26 |
| 1C | 350-301.566 | 31.246  | -21.546 | 3.08 | 3.08 | 4.62 | 4.62 | 171.835 | 101.772 | 0.21 |
| 1D | 350-301.566 | 31.246  | 29.484  | 3.08 | 3.08 | 4.62 | 4.62 | 171.835 | 114.193 | 0.26 |
| 1E | 350-224.234 | -21.926 | -21.546 | 3.08 | 3.08 | 4.62 | 4.62 | 166.254 | 113.593 | 0.19 |
| 1F | 350-224.234 | -21.926 | 29.484  | 3.08 | 3.08 | 4.62 | 4.62 | 166.254 | 112.681 | 0.26 |
| 1G | 350-224.234 | 31.246  | -21.546 | 3.08 | 3.08 | 4.62 | 4.62 | 198.130 | 113.593 | 0.19 |
| 1H | 350-224.234 | 31.246  | 29.484  | 3.08 | 3.08 | 4.62 | 4.62 | 198.130 | 112.681 | 0.26 |
| 1I | 350-281.951 | -48.288 | -7.218  | 3.08 | 3.08 | 4.62 | 4.62 | 212.932 | 52.109  | 0.23 |
| 1J | 350-281.951 | -48.288 | 15.156  | 3.08 | 3.08 | 4.62 | 4.62 | 212.932 | 88.108  | 0.23 |
| 1K | 350-281.951 | 57.608  | -7.218  | 3.08 | 3.08 | 4.62 | 4.62 | 214.244 | 52.109  | 0.27 |
| 1L | 350-281.951 | 57.608  | 15.156  | 3.08 | 3.08 | 4.62 | 4.62 | 214.244 | 88.108  | 0.27 |
| 1M | 350-243.849 | -48.288 | -7.218  | 3.08 | 3.08 | 4.62 | 4.62 | 214.602 | 58.563  | 0.22 |
| 1N | 350-243.849 | -48.288 | 15.156  | 3.08 | 3.08 | 4.62 | 4.62 | 214.602 | 95.288  | 0.22 |
| 1O | 350-243.849 | 57.608  | -7.218  | 3.08 | 3.08 | 4.62 | 4.62 | 209.677 | 58.563  | 0.27 |
| 1P | 350-243.849 | 57.608  | 15.156  | 3.08 | 3.08 | 4.62 | 4.62 | 209.677 | 95.288  | 0.27 |

ASTA NUM. 27 NI 91 NF 123 SEZ. Rp B= 0.400 H= 0.600 (pilastro)

PIL. NUM. 15

Copriferro: 3.0 cm

| NC | x          | Fx      | My     | Mz   | APOST | AANT | AINF | ASUP    | My.Res. | Mz.Res. | I.R. | Note |
|----|------------|---------|--------|------|-------|------|------|---------|---------|---------|------|------|
|    | cm         | kN      | kN*m   |      |       |      |      |         | kN*m    |         | Fx,M |      |
| 1A | 0-409.655  | -3.619  | 32.869 | 4.62 | 4.62  | 3.08 | 3.08 | 26.918  | 189.174 | 0.17    |      |      |
| 1B | 0-409.655  | -3.619  | -6.519 | 4.62 | 4.62  | 3.08 | 3.08 | 26.918  | 48.125  | 0.15    |      |      |
| 1C | 0-409.655  | -15.075 | 32.869 | 4.62 | 4.62  | 3.08 | 3.08 | 95.753  | 189.174 | 0.17    |      |      |
| 1D | 0-409.655  | -15.075 | -6.519 | 4.62 | 4.62  | 3.08 | 3.08 | 95.753  | 48.125  | 0.16    |      |      |
| 1E | 0-369.745  | -3.619  | 32.869 | 4.62 | 4.62  | 3.08 | 3.08 | 29.708  | 202.117 | 0.16    |      |      |
| 1F | 0-369.745  | -3.619  | -6.519 | 4.62 | 4.62  | 3.08 | 3.08 | 29.708  | 53.010  | 0.14    |      |      |
| 1G | 0-369.745  | -15.075 | 32.869 | 4.62 | 4.62  | 3.08 | 3.08 | 103.776 | 202.117 | 0.16    |      |      |
| 1H | 0-369.745  | -15.075 | -6.519 | 4.62 | 4.62  | 3.08 | 3.08 | 103.776 | 53.010  | 0.15    |      |      |
| 1I | 0-412.021  | 3.874   | 27.376 | 4.62 | 4.62  | 3.08 | 3.08 | 28.587  | 165.565 | 0.17    |      |      |
| 1J | 0-412.021  | 3.874   | -1.026 | 4.62 | 4.62  | 3.08 | 3.08 | 28.587  | 7.722   | 0.15    |      |      |
| 1K | 0-412.021  | -22.568 | 27.376 | 4.62 | 4.62  | 3.08 | 3.08 | 128.646 | 165.565 | 0.18    |      |      |
| 1L | 0-412.021  | -22.568 | -1.026 | 4.62 | 4.62  | 3.08 | 3.08 | 128.646 | 7.722   | 0.18    |      |      |
| 1M | 0-367.379  | 3.874   | 27.376 | 4.62 | 4.62  | 3.08 | 3.08 | 31.755  | 179.817 | 0.15    |      |      |
| 1N | 0-367.379  | 3.874   | -1.026 | 4.62 | 4.62  | 3.08 | 3.08 | 31.755  | 8.696   | 0.14    |      |      |
| 1O | 0-367.379  | -22.568 | 27.376 | 4.62 | 4.62  | 3.08 | 3.08 | 138.683 | 179.817 | 0.16    |      |      |
| 1P | 0-367.379  | -22.568 | -1.026 | 4.62 | 4.62  | 3.08 | 3.08 | 138.683 | 8.696   | 0.16    |      |      |
| 1A | 12-408.919 | -3.992  | 31.432 | 4.62 | 4.62  | 3.08 | 3.08 | 29.637  | 183.735 | 0.17    |      |      |
| 1B | 12-408.919 | -3.992  | -5.395 | 4.62 | 4.62  | 3.08 | 3.08 | 29.637  | 40.359  | 0.15    |      |      |
| 1C | 12-408.919 | -14.398 | 31.432 | 4.62 | 4.62  | 3.08 | 3.08 | 92.392  | 183.735 | 0.17    |      |      |
| 1D | 12-408.919 | -14.398 | -5.395 | 4.62 | 4.62  | 3.08 | 3.08 | 92.392  | 40.359  | 0.16    |      |      |
| 1E | 12-369.009 | -3.992  | 31.432 | 4.62 | 4.62  | 3.08 | 3.08 | 32.546  | 196.778 | 0.16    |      |      |
| 1F | 12-369.009 | -3.992  | -5.395 | 4.62 | 4.62  | 3.08 | 3.08 | 32.546  | 44.390  | 0.14    |      |      |
| 1G | 12-369.009 | -14.398 | 31.432 | 4.62 | 4.62  | 3.08 | 3.08 | 100.339 | 196.778 | 0.16    |      |      |
| 1H | 12-369.009 | -14.398 | -5.395 | 4.62 | 4.62  | 3.08 | 3.08 | 100.339 | 44.390  | 0.14    |      |      |
| 1I | 12-411.285 | 2.813   | 26.242 | 4.62 | 4.62  | 3.08 | 3.08 | 21.074  | 160.646 | 0.16    |      |      |
| 1J | 12-411.285 | 2.813   | -0.205 | 4.62 | 4.62  | 3.08 | 3.08 | 21.074  | 1.301   | 0.15    |      |      |
| 1K | 12-411.285 | -21.203 | 26.242 | 4.62 | 4.62  | 3.08 | 3.08 | 123.392 | 160.646 | 0.17    |      |      |
| 1L | 12-411.285 | -21.203 | -0.205 | 4.62 | 4.62  | 3.08 | 3.08 | 123.392 | 1.301   | 0.17    |      |      |
| 1M | 12-366.643 | 2.813   | 26.242 | 4.62 | 4.62  | 3.08 | 3.08 | 23.453  | 174.766 | 0.15    |      |      |
| 1N | 12-366.643 | 2.813   | -0.205 | 4.62 | 4.62  | 3.08 | 3.08 | 23.453  | 1.514   | 0.14    |      |      |
| 1O | 12-366.643 | -21.203 | 26.242 | 4.62 | 4.62  | 3.08 | 3.08 | 133.390 | 174.766 | 0.16    |      |      |
| 1P | 12-366.643 | -21.203 | -0.205 | 4.62 | 4.62  | 3.08 | 3.08 | 133.390 | 1.514   | 0.16    |      |      |
| 1A | 25-408.184 | -3.759  | 29.371 | 4.62 | 4.62  | 3.08 | 3.08 | 28.019  | 175.429 | 0.17    |      |      |
| 1B | 25-408.184 | -3.759  | -4.896 | 4.62 | 4.62  | 3.08 | 3.08 | 28.019  | 36.818  | 0.15    |      |      |
| 1C | 25-408.184 | -13.113 | 29.371 | 4.62 | 4.62  | 3.08 | 3.08 | 85.692  | 175.429 | 0.17    |      |      |

|    |             |         |         |      |      |      |      |         |         |      |
|----|-------------|---------|---------|------|------|------|------|---------|---------|------|
| 1D | 25-408.184  | -13.113 | -4.896  | 4.62 | 4.62 | 3.08 | 3.08 | 85.692  | 36.818  | 0.15 |
| 1E | 25-368.274  | -3.759  | 29.371  | 4.62 | 4.62 | 3.08 | 3.08 | 30.919  | 188.408 | 0.16 |
| 1F | 25-368.274  | -3.759  | -4.896  | 4.62 | 4.62 | 3.08 | 3.08 | 30.919  | 40.654  | 0.14 |
| 1G | 25-368.274  | -13.113 | 29.371  | 4.62 | 4.62 | 3.08 | 3.08 | 93.240  | 188.408 | 0.16 |
| 1H | 25-368.274  | -13.113 | -4.896  | 4.62 | 4.62 | 3.08 | 3.08 | 93.240  | 40.654  | 0.14 |
| 1I | 25-410.550  | 2.359   | 24.484  | 4.62 | 4.62 | 3.08 | 3.08 | 17.720  | 152.577 | 0.16 |
| 1J | 25-410.550  | 2.359   | -0.008  | 4.62 | 4.62 | 3.08 | 3.08 | 17.720  | 0.000   | 0.15 |
| 1K | 25-410.550  | -19.231 | 24.484  | 4.62 | 4.62 | 3.08 | 3.08 | 115.222 | 152.577 | 0.17 |
| 1L | 25-410.550  | -19.231 | -0.008  | 4.62 | 4.62 | 3.08 | 3.08 | 115.222 | 0.000   | 0.17 |
| 1M | 25-365.908  | 2.359   | 24.484  | 4.62 | 4.62 | 3.08 | 3.08 | 19.882  | 166.425 | 0.15 |
| 1N | 25-365.908  | 2.359   | -0.008  | 4.62 | 4.62 | 3.08 | 3.08 | 19.882  | 0.000   | 0.14 |
| 1O | 25-365.908  | -19.231 | 24.484  | 4.62 | 4.62 | 3.08 | 3.08 | 125.059 | 166.425 | 0.15 |
| 1P | 25-365.908  | -19.231 | -0.008  | 4.62 | 4.62 | 3.08 | 3.08 | 125.059 | 0.000   | 0.15 |
| 1A | 325-390.526 | 1.851   | -20.103 | 4.62 | 4.62 | 3.08 | 3.08 | 14.699  | 135.775 | 0.15 |
| 1B | 325-390.526 | 1.851   | 7.084   | 4.62 | 4.62 | 3.08 | 3.08 | 14.699  | 54.440  | 0.15 |
| 1C | 325-390.526 | 17.713  | -20.103 | 4.62 | 4.62 | 3.08 | 3.08 | 112.526 | 135.775 | 0.16 |
| 1D | 325-390.526 | 17.713  | 7.084   | 4.62 | 4.62 | 3.08 | 3.08 | 112.526 | 54.440  | 0.16 |
| 1E | 325-350.616 | 1.851   | -20.103 | 4.62 | 4.62 | 3.08 | 3.08 | 16.387  | 147.939 | 0.14 |
| 1F | 325-350.616 | 1.851   | 7.084   | 4.62 | 4.62 | 3.08 | 3.08 | 16.387  | 60.056  | 0.13 |
| 1G | 325-350.616 | 17.713  | -20.103 | 4.62 | 4.62 | 3.08 | 3.08 | 121.651 | 147.939 | 0.15 |
| 1H | 325-350.616 | 17.713  | 7.084   | 4.62 | 4.62 | 3.08 | 3.08 | 121.651 | 60.056  | 0.15 |
| 1I | 325-392.892 | -8.532  | -17.725 | 4.62 | 4.62 | 3.08 | 3.08 | 61.402  | 121.909 | 0.15 |
| 1J | 325-392.892 | -8.532  | 4.705   | 4.62 | 4.62 | 3.08 | 3.08 | 61.402  | 36.765  | 0.15 |
| 1K | 325-392.892 | 28.096  | -17.725 | 4.62 | 4.62 | 3.08 | 3.08 | 151.925 | 121.909 | 0.18 |
| 1L | 325-392.892 | 28.096  | 4.705   | 4.62 | 4.62 | 3.08 | 3.08 | 151.925 | 36.765  | 0.18 |
| 1M | 325-348.250 | -8.532  | -17.725 | 4.62 | 4.62 | 3.08 | 3.08 | 68.248  | 134.520 | 0.13 |
| 1N | 325-348.250 | -8.532  | 4.705   | 4.62 | 4.62 | 3.08 | 3.08 | 68.248  | 41.291  | 0.13 |
| 1O | 325-348.250 | 28.096  | -17.725 | 4.62 | 4.62 | 3.08 | 3.08 | 162.118 | 134.520 | 0.17 |
| 1P | 325-348.250 | 28.096  | 4.705   | 4.62 | 4.62 | 3.08 | 3.08 | 162.118 | 41.291  | 0.17 |
| 1A | 350-389.055 | 1.711   | -23.601 | 4.62 | 4.62 | 3.08 | 3.08 | 13.615  | 154.598 | 0.15 |
| 1B | 350-389.055 | 1.711   | 8.707   | 4.62 | 4.62 | 3.08 | 3.08 | 13.615  | 66.013  | 0.15 |
| 1C | 350-389.055 | 19.675  | -23.601 | 4.62 | 4.62 | 3.08 | 3.08 | 121.737 | 154.598 | 0.16 |
| 1D | 350-389.055 | 19.675  | 8.707   | 4.62 | 4.62 | 3.08 | 3.08 | 121.737 | 66.013  | 0.16 |
| 1E | 350-349.145 | 1.711   | -23.601 | 4.62 | 4.62 | 3.08 | 3.08 | 15.208  | 167.677 | 0.14 |
| 1F | 350-349.145 | 1.711   | 8.707   | 4.62 | 4.62 | 3.08 | 3.08 | 15.208  | 72.862  | 0.13 |
| 1G | 350-349.145 | 19.675  | -23.601 | 4.62 | 4.62 | 3.08 | 3.08 | 131.124 | 167.677 | 0.15 |
| 1H | 350-349.145 | 19.675  | 8.707   | 4.62 | 4.62 | 3.08 | 3.08 | 131.124 | 72.862  | 0.15 |
| 1I | 350-391.421 | -10.047 | -20.617 | 4.62 | 4.62 | 3.08 | 3.08 | 71.048  | 138.337 | 0.15 |
| 1J | 350-391.421 | -10.047 | 5.723   | 4.62 | 4.62 | 3.08 | 3.08 | 71.048  | 44.393  | 0.15 |
| 1K | 350-391.421 | 31.433  | -20.617 | 4.62 | 4.62 | 3.08 | 3.08 | 161.734 | 138.337 | 0.19 |
| 1L | 350-391.421 | 31.433  | 5.723   | 4.62 | 4.62 | 3.08 | 3.08 | 161.734 | 44.393  | 0.19 |
| 1M | 350-346.779 | -10.047 | -20.617 | 4.62 | 4.62 | 3.08 | 3.08 | 78.750  | 152.214 | 0.14 |
| 1N | 350-346.779 | -10.047 | 5.723   | 4.62 | 4.62 | 3.08 | 3.08 | 78.750  | 49.813  | 0.13 |
| 1O | 350-346.779 | 31.433  | -20.617 | 4.62 | 4.62 | 3.08 | 3.08 | 171.423 | 152.214 | 0.18 |
| 1P | 350-346.779 | 31.433  | 5.723   | 4.62 | 4.62 | 3.08 | 3.08 | 171.423 | 49.813  | 0.18 |

ASTA NUM. 28 NI 92 NF 124 SEZ. Rp B= 0.400 H= 0.600 (pilastro)

PIL. NUM. 14

Copriferro: 3.0 cm

| NC | x          | Fx      | My      | Mz   | APOST | AANT | AINF | ASUP    | My.Res. | Mz.Res. | I.R.  | Note |
|----|------------|---------|---------|------|-------|------|------|---------|---------|---------|-------|------|
|    | cm         | kN      | kN*m    |      | cmq   |      |      |         | kN*m    |         | Fx, M |      |
| 1A | 0-389.990  | -0.207  | 15.648  | 4.62 | 4.62  | 3.08 | 3.08 | 1.393   | 110.445 | 0.15    |       |      |
| 1B | 0-389.990  | -0.207  | -13.191 | 4.62 | 4.62  | 3.08 | 3.08 | 1.393   | 95.434  | 0.15    |       |      |
| 1C | 0-389.990  | -16.389 | 15.648  | 4.62 | 4.62  | 3.08 | 3.08 | 106.241 | 110.445 | 0.15    |       |      |
| 1D | 0-389.990  | -16.389 | -13.191 | 4.62 | 4.62  | 3.08 | 3.08 | 106.241 | 95.434  | 0.15    |       |      |
| 1E | 0-291.410  | -0.207  | 15.648  | 4.62 | 4.62  | 3.08 | 3.08 | 1.978   | 140.519 | 0.11    |       |      |
| 1F | 0-291.410  | -0.207  | -13.191 | 4.62 | 4.62  | 3.08 | 3.08 | 1.978   | 122.254 | 0.11    |       |      |
| 1G | 0-291.410  | -16.389 | 15.648  | 4.62 | 4.62  | 3.08 | 3.08 | 130.949 | 140.519 | 0.13    |       |      |
| 1H | 0-291.410  | -16.389 | -13.191 | 4.62 | 4.62  | 3.08 | 3.08 | 130.949 | 122.254 | 0.13    |       |      |
| 1I | 0-389.248  | 9.582   | 12.531  | 4.62 | 4.62  | 3.08 | 3.08 | 68.527  | 91.391  | 0.15    |       |      |
| 1J | 0-389.248  | 9.582   | -10.073 | 4.62 | 4.62  | 3.08 | 3.08 | 68.527  | 75.197  | 0.15    |       |      |
| 1K | 0-389.248  | -26.177 | 12.531  | 4.62 | 4.62  | 3.08 | 3.08 | 146.599 | 91.391  | 0.18    |       |      |
| 1L | 0-389.248  | -26.177 | -10.073 | 4.62 | 4.62  | 3.08 | 3.08 | 146.599 | 75.197  | 0.18    |       |      |
| 1M | 0-292.152  | 9.582   | 12.531  | 4.62 | 4.62  | 3.08 | 3.08 | 87.171  | 116.858 | 0.11    |       |      |
| 1N | 0-292.152  | 9.582   | -10.073 | 4.62 | 4.62  | 3.08 | 3.08 | 87.171  | 97.042  | 0.11    |       |      |
| 1O | 0-292.152  | -26.177 | 12.531  | 4.62 | 4.62  | 3.08 | 3.08 | 170.528 | 116.858 | 0.15    |       |      |
| 1P | 0-292.152  | -26.177 | -10.073 | 4.62 | 4.62  | 3.08 | 3.08 | 170.528 | 97.042  | 0.15    |       |      |
| 1A | 12-389.254 | -0.797  | 14.651  | 4.62 | 4.62  | 3.08 | 3.08 | 6.315   | 104.551 | 0.15    |       |      |
| 1B | 12-389.254 | -0.797  | -12.304 | 4.62 | 4.62  | 3.08 | 3.08 | 6.315   | 89.930  | 0.15    |       |      |
| 1C | 12-389.254 | -15.512 | 14.651  | 4.62 | 4.62  | 3.08 | 3.08 | 101.893 | 104.551 | 0.15    |       |      |
| 1D | 12-389.254 | -15.512 | -12.304 | 4.62 | 4.62  | 3.08 | 3.08 | 101.893 | 89.930  | 0.15    |       |      |
| 1E | 12-290.674 | -0.797  | 14.651  | 4.62 | 4.62  | 3.08 | 3.08 | 8.536   | 133.453 | 0.11    |       |      |
| 1F | 12-290.674 | -0.797  | -12.304 | 4.62 | 4.62  | 3.08 | 3.08 | 8.536   | 115.563 | 0.11    |       |      |
| 1G | 12-290.674 | -15.512 | 14.651  | 4.62 | 4.62  | 3.08 | 3.08 | 126.383 | 133.453 | 0.12    |       |      |
| 1H | 12-290.674 | -15.512 | -12.304 | 4.62 | 4.62  | 3.08 | 3.08 | 126.383 | 115.563 | 0.12    |       |      |
| 1I | 12-388.512 | 8.107   | 11.685  | 4.62 | 4.62  | 3.08 | 3.08 | 59.420  | 86.066  | 0.15    |       |      |
| 1J | 12-388.512 | 8.107   | -9.338  | 4.62 | 4.62  | 3.08 | 3.08 | 59.420  | 70.461  | 0.15    |       |      |
| 1K | 12-388.512 | -24.417 | 11.685  | 4.62 | 4.62  | 3.08 | 3.08 | 140.683 | 86.066  | 0.17    |       |      |
| 1L | 12-388.512 | -24.417 | -9.338  | 4.62 | 4.62  | 3.08 | 3.08 | 140.683 | 70.461  | 0.17    |       |      |
| 1M | 12-291.416 | 8.107   | 11.685  | 4.62 | 4.62  | 3.08 | 3.08 | 76.098  | 110.381 | 0.11    |       |      |
| 1N | 12-291.416 | 8.107   | -9.338  | 4.62 | 4.62  | 3.08 | 3.08 | 76.098  | 91.016  | 0.11    |       |      |
| 1O | 12-291.416 | -24.417 | 11.685  | 4.62 | 4.62  | 3.08 | 3.08 | 165.207 | 110.381 | 0.15    |       |      |
| 1P | 12-291.416 | -24.417 | -9.338  | 4.62 | 4.62  | 3.08 | 3.08 | 165.207 | 91.016  | 0.15    |       |      |
| 1A | 25-388.519 | -0.817  | 13.435  | 4.62 | 4.62  | 3.08 | 3.08 | 6.428   | 97.285  | 0.15    |       |      |
| 1B | 25-388.519 | -0.817  | -11.635 | 4.62 | 4.62  | 3.08 | 3.08 | 6.428   | 85.737  | 0.15    |       |      |
| 1C | 25-388.519 | -14.064 | 13.435  | 4.62 | 4.62  | 3.08 | 3.08 | 94.493  | 97.285  | 0.15    |       |      |
| 1D | 25-388.519 | -14.064 | -11.635 | 4.62 | 4.62  | 3.08 | 3.08 | 94.493  | 85.737  | 0.15    |       |      |
| 1E | 25-289.939 | -0.817  | 13.435  | 4.62 | 4.62  | 3.08 | 3.08 | 8.786   | 124.649 | 0.11    |       |      |
| 1F | 25-289.939 | -0.817  | -11.635 | 4.62 | 4.62  | 3.08 | 3.08 | 8.786   | 110.455 | 0.11    |       |      |
| 1G | 25-289.939 | -14.064 | 13.435  | 4.62 | 4.62  | 3.08 | 3.08 | 118.177 | 124.649 | 0.12    |       |      |
| 1H | 25-289.939 | -14.064 | -11.635 | 4.62 | 4.62  | 3.08 | 3.08 | 118.177 | 110.455 | 0.12    |       |      |

|    |             |         |         |      |      |      |      |         |         |      |
|----|-------------|---------|---------|------|------|------|------|---------|---------|------|
| 1I | 25-387.777  | 7.204   | 10.620  | 4.62 | 4.62 | 3.08 | 3.08 | 53.577  | 79.152  | 0.15 |
| 1J | 25-387.777  | 7.204   | -8.821  | 4.62 | 4.62 | 3.08 | 3.08 | 53.577  | 67.009  | 0.15 |
| 1K | 25-387.777  | -22.085 | 10.620  | 4.62 | 4.62 | 3.08 | 3.08 | 132.053 | 79.152  | 0.17 |
| 1L | 25-387.777  | -22.085 | -8.821  | 4.62 | 4.62 | 3.08 | 3.08 | 132.053 | 67.009  | 0.17 |
| 1M | 25-290.681  | 7.204   | 10.620  | 4.62 | 4.62 | 3.08 | 3.08 | 68.930  | 101.898 | 0.11 |
| 1N | 25-290.681  | 7.204   | -8.821  | 4.62 | 4.62 | 3.08 | 3.08 | 68.930  | 86.750  | 0.11 |
| 1O | 25-290.681  | -22.085 | 10.620  | 4.62 | 4.62 | 3.08 | 3.08 | 157.100 | 101.898 | 0.14 |
| 1P | 25-290.681  | -22.085 | -8.821  | 4.62 | 4.62 | 3.08 | 3.08 | 157.100 | 86.750  | 0.14 |
| 1A | 325-370.861 | -1.283  | -15.765 | 4.62 | 4.62 | 3.08 | 3.08 | 10.710  | 115.980 | 0.14 |
| 1B | 325-370.861 | -1.283  | 4.403   | 4.62 | 4.62 | 3.08 | 3.08 | 10.710  | 36.460  | 0.14 |
| 1C | 325-370.861 | 20.686  | -15.765 | 4.62 | 4.62 | 3.08 | 3.08 | 130.232 | 115.980 | 0.16 |
| 1D | 325-370.861 | 20.686  | 4.403   | 4.62 | 4.62 | 3.08 | 3.08 | 130.232 | 36.460  | 0.16 |
| 1E | 325-272.281 | -1.283  | -15.765 | 4.62 | 4.62 | 3.08 | 3.08 | 14.616  | 149.090 | 0.11 |
| 1F | 325-272.281 | -1.283  | 4.403   | 4.62 | 4.62 | 3.08 | 3.08 | 14.616  | 48.868  | 0.10 |
| 1G | 325-272.281 | 20.686  | -15.765 | 4.62 | 4.62 | 3.08 | 3.08 | 157.096 | 149.090 | 0.13 |
| 1H | 325-272.281 | 20.686  | 4.403   | 4.62 | 4.62 | 3.08 | 3.08 | 157.096 | 48.868  | 0.13 |
| 1I | 325-370.119 | -14.469 | -14.934 | 4.62 | 4.62 | 3.08 | 3.08 | 100.492 | 110.967 | 0.14 |
| 1J | 325-370.119 | -14.469 | 3.572   | 4.62 | 4.62 | 3.08 | 3.08 | 100.492 | 29.902  | 0.14 |
| 1K | 325-370.119 | 33.872  | -14.934 | 4.62 | 4.62 | 3.08 | 3.08 | 172.159 | 110.967 | 0.20 |
| 1L | 325-370.119 | 33.872  | 3.572   | 4.62 | 4.62 | 3.08 | 3.08 | 172.159 | 29.902  | 0.20 |
| 1M | 325-273.023 | -14.469 | -14.934 | 4.62 | 4.62 | 3.08 | 3.08 | 125.777 | 142.624 | 0.11 |
| 1N | 325-273.023 | -14.469 | 3.572   | 4.62 | 4.62 | 3.08 | 3.08 | 125.777 | 40.042  | 0.11 |
| 1O | 325-273.023 | 33.872  | -14.934 | 4.62 | 4.62 | 3.08 | 3.08 | 192.500 | 142.624 | 0.18 |
| 1P | 325-273.023 | 33.872  | 3.572   | 4.62 | 4.62 | 3.08 | 3.08 | 192.500 | 40.042  | 0.18 |
| 1A | 350-369.390 | -1.894  | -17.979 | 4.62 | 4.62 | 3.08 | 3.08 | 15.914  | 129.663 | 0.14 |
| 1B | 350-369.390 | -1.894  | 5.959   | 4.62 | 4.62 | 3.08 | 3.08 | 15.914  | 48.755  | 0.14 |
| 1C | 350-369.390 | 23.011  | -17.979 | 4.62 | 4.62 | 3.08 | 3.08 | 139.908 | 129.663 | 0.16 |
| 1D | 350-369.390 | 23.011  | 5.959   | 4.62 | 4.62 | 3.08 | 3.08 | 139.908 | 48.755  | 0.16 |
| 1E | 350-270.810 | -1.894  | -17.979 | 4.62 | 4.62 | 3.08 | 3.08 | 21.536  | 165.465 | 0.11 |
| 1F | 350-270.810 | -1.894  | 5.959   | 4.62 | 4.62 | 3.08 | 3.08 | 21.536  | 64.997  | 0.10 |
| 1G | 350-270.810 | 23.011  | -17.979 | 4.62 | 4.62 | 3.08 | 3.08 | 166.337 | 165.465 | 0.14 |
| 1H | 350-270.810 | 23.011  | 5.959   | 4.62 | 4.62 | 3.08 | 3.08 | 166.337 | 64.997  | 0.14 |
| 1I | 350-368.648 | -16.846 | -16.844 | 4.62 | 4.62 | 3.08 | 3.08 | 113.149 | 123.208 | 0.15 |
| 1J | 350-368.648 | -16.846 | 4.825   | 4.62 | 4.62 | 3.08 | 3.08 | 113.149 | 40.049  | 0.15 |
| 1K | 350-368.648 | 37.963  | -16.844 | 4.62 | 4.62 | 3.08 | 3.08 | 180.776 | 123.208 | 0.21 |
| 1L | 350-368.648 | 37.963  | 4.825   | 4.62 | 4.62 | 3.08 | 3.08 | 180.776 | 40.049  | 0.21 |
| 1M | 350-271.552 | -16.846 | -16.844 | 4.62 | 4.62 | 3.08 | 3.08 | 139.546 | 157.251 | 0.12 |
| 1N | 350-271.552 | -16.846 | 4.825   | 4.62 | 4.62 | 3.08 | 3.08 | 139.546 | 53.394  | 0.12 |
| 1O | 350-271.552 | 37.963  | -16.844 | 4.62 | 4.62 | 3.08 | 3.08 | 193.569 | 157.251 | 0.20 |
| 1P | 350-271.552 | 37.963  | 4.825   | 4.62 | 4.62 | 3.08 | 3.08 | 193.569 | 53.394  | 0.20 |

ASTA NUM. 29 NI 93 NF 125 SEZ. Rp B= 0.400 H= 0.600 (pilastro)

PILL. NUM. 20

Copriferro: 3.0 cm

| NC | x          | Fx      | My      | Mz   | APOST | AANT | AINF | ASUP    | My.Res. | Mz.Res. | I.R.  | Note |
|----|------------|---------|---------|------|-------|------|------|---------|---------|---------|-------|------|
|    | cm         | kN      | kN*m    |      |       | cmq  |      |         | kN*m    |         | Fx, M |      |
| 1A | 0-184.452  | 2.002   | 55.608  | 4.62 | 4.62  | 3.08 | 3.08 | 32.652  | 233.958 | 0.24    |       |      |
| 1B | 0-184.452  | 2.002   | -27.770 | 4.62 | 4.62  | 3.08 | 3.08 | 32.652  | 260.253 | 0.11    |       |      |
| 1C | 0-184.452  | -6.136  | 55.608  | 4.62 | 4.62  | 3.08 | 3.08 | 88.202  | 233.958 | 0.24    |       |      |
| 1D | 0-184.452  | -6.136  | -27.770 | 4.62 | 4.62  | 3.08 | 3.08 | 88.202  | 260.253 | 0.11    |       |      |
| 1E | 0-145.748  | 2.002   | 55.608  | 4.62 | 4.62  | 3.08 | 3.08 | 40.768  | 198.072 | 0.28    |       |      |
| 1F | 0-145.748  | 2.002   | -27.770 | 4.62 | 4.62  | 3.08 | 3.08 | 40.768  | 268.355 | 0.10    |       |      |
| 1G | 0-145.748  | -6.136  | 55.608  | 4.62 | 4.62  | 3.08 | 3.08 | 106.393 | 198.072 | 0.28    |       |      |
| 1H | 0-145.748  | -6.136  | -27.770 | 4.62 | 4.62  | 3.08 | 3.08 | 106.393 | 268.355 | 0.10    |       |      |
| 1I | 0-181.407  | 7.099   | 38.738  | 4.62 | 4.62  | 3.08 | 3.08 | 100.577 | 264.189 | 0.15    |       |      |
| 1J | 0-181.407  | 7.099   | -10.900 | 4.62 | 4.62  | 3.08 | 3.08 | 100.577 | 153.467 | 0.07    |       |      |
| 1K | 0-181.407  | -11.233 | 38.738  | 4.62 | 4.62  | 3.08 | 3.08 | 139.383 | 264.189 | 0.15    |       |      |
| 1L | 0-181.407  | -11.233 | -10.900 | 4.62 | 4.62  | 3.08 | 3.08 | 139.383 | 153.467 | 0.08    |       |      |
| 1M | 0-148.793  | 7.099   | 38.738  | 4.62 | 4.62  | 3.08 | 3.08 | 116.772 | 248.408 | 0.16    |       |      |
| 1N | 0-148.793  | 7.099   | -10.900 | 4.62 | 4.62  | 3.08 | 3.08 | 116.772 | 177.675 | 0.06    |       |      |
| 1O | 0-148.793  | -11.233 | 38.738  | 4.62 | 4.62  | 3.08 | 3.08 | 156.560 | 248.408 | 0.16    |       |      |
| 1P | 0-148.793  | -11.233 | -10.900 | 4.62 | 4.62  | 3.08 | 3.08 | 156.560 | 177.675 | 0.07    |       |      |
| 1A | 12-183.716 | 1.719   | 52.004  | 4.62 | 4.62  | 3.08 | 3.08 | 28.455  | 240.176 | 0.22    |       |      |
| 1B | 12-183.716 | 1.719   | -24.592 | 4.62 | 4.62  | 3.08 | 3.08 | 28.455  | 249.375 | 0.10    |       |      |
| 1C | 12-183.716 | -5.737  | 52.004  | 4.62 | 4.62  | 3.08 | 3.08 | 83.696  | 240.176 | 0.22    |       |      |
| 1D | 12-183.716 | -5.737  | -24.592 | 4.62 | 4.62  | 3.08 | 3.08 | 83.696  | 249.375 | 0.10    |       |      |
| 1E | 12-145.012 | 1.719   | 52.004  | 4.62 | 4.62  | 3.08 | 3.08 | 35.504  | 208.236 | 0.25    |       |      |
| 1F | 12-145.012 | 1.719   | -24.592 | 4.62 | 4.62  | 3.08 | 3.08 | 35.504  | 267.869 | 0.09    |       |      |
| 1G | 12-145.012 | -5.737  | 52.004  | 4.62 | 4.62  | 3.08 | 3.08 | 101.479 | 208.236 | 0.25    |       |      |
| 1H | 12-145.012 | -5.737  | -24.592 | 4.62 | 4.62  | 3.08 | 3.08 | 101.479 | 267.869 | 0.09    |       |      |
| 1I | 12-180.671 | 6.393   | 36.547  | 4.62 | 4.62  | 3.08 | 3.08 | 92.765  | 266.718 | 0.14    |       |      |
| 1J | 12-180.671 | 6.393   | -9.135  | 4.62 | 4.62  | 3.08 | 3.08 | 92.765  | 133.790 | 0.07    |       |      |
| 1K | 12-180.671 | -10.411 | 36.547  | 4.62 | 4.62  | 3.08 | 3.08 | 133.078 | 266.718 | 0.14    |       |      |
| 1L | 12-180.671 | -10.411 | -9.135  | 4.62 | 4.62  | 3.08 | 3.08 | 133.078 | 133.790 | 0.08    |       |      |
| 1M | 12-148.057 | 6.393   | 36.547  | 4.62 | 4.62  | 3.08 | 3.08 | 108.455 | 253.375 | 0.14    |       |      |
| 1N | 12-148.057 | 6.393   | -9.135  | 4.62 | 4.62  | 3.08 | 3.08 | 108.455 | 156.609 | 0.06    |       |      |
| 1O | 12-148.057 | -10.411 | 36.547  | 4.62 | 4.62  | 3.08 | 3.08 | 150.472 | 253.375 | 0.14    |       |      |
| 1P | 12-148.057 | -10.411 | -9.135  | 4.62 | 4.62  | 3.08 | 3.08 | 150.472 | 156.609 | 0.07    |       |      |
| 1A | 25-182.981 | 1.667   | 47.549  | 4.62 | 4.62  | 3.08 | 3.08 | 27.730  | 248.589 | 0.19    |       |      |
| 1B | 25-182.981 | 1.667   | -22.265 | 4.62 | 4.62  | 3.08 | 3.08 | 27.730  | 239.430 | 0.09    |       |      |
| 1C | 25-182.981 | -5.107  | 47.549  | 4.62 | 4.62  | 3.08 | 3.08 | 76.313  | 248.589 | 0.19    |       |      |
| 1D | 25-182.981 | -5.107  | -22.265 | 4.62 | 4.62  | 3.08 | 3.08 | 76.313  | 239.430 | 0.09    |       |      |
| 1E | 25-144.277 | 1.667   | 47.549  | 4.62 | 4.62  | 3.08 | 3.08 | 34.648  | 222.152 | 0.21    |       |      |
| 1F | 25-144.277 | 1.667   | -22.265 | 4.62 | 4.62  | 3.08 | 3.08 | 34.648  | 262.325 | 0.08    |       |      |
| 1G | 25-144.277 | -5.107  | 47.549  | 4.62 | 4.62  | 3.08 | 3.08 | 92.800  | 222.152 | 0.21    |       |      |
| 1H | 25-144.277 | -5.107  | -22.265 | 4.62 | 4.62  | 3.08 | 3.08 | 92.800  | 262.325 | 0.08    |       |      |
| 1I | 25-179.936 | 5.918   | 33.504  | 4.62 | 4.62  | 3.08 | 3.08 | 87.370  | 268.642 | 0.12    |       |      |
| 1J | 25-179.936 | 5.918   | -8.220  | 4.62 | 4.62  | 3.08 | 3.08 | 87.370  | 123.191 | 0.07    |       |      |
| 1K | 25-179.936 | -9.358  | 33.504  | 4.62 | 4.62  | 3.08 | 3.08 | 124.152 | 268.642 | 0.12    |       |      |
| 1L | 25-179.936 | -9.358  | -8.220  | 4.62 | 4.62  | 3.08 | 3.08 | 124.152 | 123.191 | 0.08    |       |      |
| 1M | 25-147.322 | 5.918   | 33.504  | 4.62 | 4.62  | 3.08 | 3.08 | 102.564 | 260.123 | 0.13    |       |      |

|    |             |        |         |      |      |      |      |         |         |      |
|----|-------------|--------|---------|------|------|------|------|---------|---------|------|
| 1N | 25-147.322  | 5.918  | -8.220  | 4.62 | 4.62 | 3.08 | 3.08 | 102.564 | 144.963 | 0.06 |
| 1O | 25-147.322  | -9.358 | 33.504  | 4.62 | 4.62 | 3.08 | 3.08 | 141.620 | 260.123 | 0.13 |
| 1P | 25-147.322  | -9.358 | -8.220  | 4.62 | 4.62 | 3.08 | 3.08 | 141.620 | 144.963 | 0.07 |
| 1A | 325-165.323 | 0.413  | -59.372 | 4.62 | 4.62 | 3.08 | 3.08 | 7.695   | 208.002 | 0.29 |
| 1B | 325-165.323 | 0.413  | 33.588  | 4.62 | 4.62 | 3.08 | 3.08 | 7.695   | 266.551 | 0.13 |
| 1C | 325-165.323 | 10.011 | -59.372 | 4.62 | 4.62 | 3.08 | 3.08 | 137.426 | 208.002 | 0.29 |
| 1D | 325-165.323 | 10.011 | 33.588  | 4.62 | 4.62 | 3.08 | 3.08 | 137.426 | 266.551 | 0.13 |
| 1E | 325-126.619 | 0.413  | -59.372 | 4.62 | 4.62 | 3.08 | 3.08 | 10.180  | 166.637 | 0.36 |
| 1F | 325-126.619 | 0.413  | 33.588  | 4.62 | 4.62 | 3.08 | 3.08 | 10.180  | 246.596 | 0.14 |
| 1G | 325-126.619 | 10.011 | -59.372 | 4.62 | 4.62 | 3.08 | 3.08 | 160.444 | 166.637 | 0.36 |
| 1H | 325-126.619 | 10.011 | 33.588  | 4.62 | 4.62 | 3.08 | 3.08 | 160.444 | 246.596 | 0.14 |
| 1I | 325-162.278 | -5.487 | -39.510 | 4.62 | 4.62 | 3.08 | 3.08 | 89.391  | 254.594 | 0.16 |
| 1J | 325-162.278 | -5.487 | 13.726  | 4.62 | 4.62 | 3.08 | 3.08 | 89.391  | 195.891 | 0.07 |
| 1K | 325-162.278 | 15.912 | -39.510 | 4.62 | 4.62 | 3.08 | 3.08 | 177.301 | 254.594 | 0.16 |
| 1L | 325-162.278 | 15.912 | 13.726  | 4.62 | 4.62 | 3.08 | 3.08 | 177.301 | 195.891 | 0.09 |
| 1M | 325-129.664 | -5.487 | -39.510 | 4.62 | 4.62 | 3.08 | 3.08 | 106.811 | 232.920 | 0.17 |
| 1N | 325-129.664 | -5.487 | 13.726  | 4.62 | 4.62 | 3.08 | 3.08 | 106.811 | 223.507 | 0.06 |
| 1O | 325-129.664 | 15.912 | -39.510 | 4.62 | 4.62 | 3.08 | 3.08 | 191.880 | 232.920 | 0.17 |
| 1P | 325-129.664 | 15.912 | 13.726  | 4.62 | 4.62 | 3.08 | 3.08 | 191.880 | 223.507 | 0.08 |
| 1A | 350-163.852 | 0.078  | -67.431 | 4.62 | 4.62 | 3.08 | 3.08 | 1.238   | 185.814 | 0.36 |
| 1B | 350-163.852 | 0.078  | 39.093  | 4.62 | 4.62 | 3.08 | 3.08 | 1.238   | 256.354 | 0.15 |
| 1C | 350-163.852 | 11.040 | -67.431 | 4.62 | 4.62 | 3.08 | 3.08 | 146.765 | 185.814 | 0.36 |
| 1D | 350-163.852 | 11.040 | 39.093  | 4.62 | 4.62 | 3.08 | 3.08 | 146.765 | 256.354 | 0.15 |
| 1E | 350-125.148 | 0.078  | -67.431 | 4.62 | 4.62 | 3.08 | 3.08 | 1.715   | 149.877 | 0.45 |
| 1F | 350-125.148 | 0.078  | 39.093  | 4.62 | 4.62 | 3.08 | 3.08 | 1.715   | 230.534 | 0.17 |
| 1G | 350-125.148 | 11.040 | -67.431 | 4.62 | 4.62 | 3.08 | 3.08 | 169.313 | 149.877 | 0.45 |
| 1H | 350-125.148 | 11.040 | 39.093  | 4.62 | 4.62 | 3.08 | 3.08 | 169.313 | 230.534 | 0.17 |
| 1I | 350-160.807 | -6.669 | -44.744 | 4.62 | 4.62 | 3.08 | 3.08 | 105.164 | 241.884 | 0.18 |
| 1J | 350-160.807 | -6.669 | 16.406  | 4.62 | 4.62 | 3.08 | 3.08 | 105.164 | 219.079 | 0.07 |
| 1K | 350-160.807 | 17.786 | -44.744 | 4.62 | 4.62 | 3.08 | 3.08 | 185.558 | 241.884 | 0.18 |
| 1L | 350-160.807 | 17.786 | 16.406  | 4.62 | 4.62 | 3.08 | 3.08 | 185.558 | 219.079 | 0.10 |
| 1M | 350-128.193 | -6.669 | -44.744 | 4.62 | 4.62 | 3.08 | 3.08 | 124.173 | 212.713 | 0.21 |
| 1N | 350-128.193 | -6.669 | 16.406  | 4.62 | 4.62 | 3.08 | 3.08 | 124.173 | 244.808 | 0.07 |
| 1O | 350-128.193 | 17.786 | -44.744 | 4.62 | 4.62 | 3.08 | 3.08 | 193.649 | 212.713 | 0.21 |
| 1P | 350-128.193 | 17.786 | 16.406  | 4.62 | 4.62 | 3.08 | 3.08 | 193.649 | 244.808 | 0.09 |

# VERIFICA PER MECCANISMI POTENZIALMENTE DUTTILI (PRESSOFLESSIONE)

Lavoro: **Aule\_revPS\_NTC+ Par\_04\_q=2-5** Intestazione lavoro:  
 Elemento: **PILASTRO** Gruppo: **5** Tabella: **Tabella pilastri**  
 Descrizione: **Pilastri III impalcato**  
 Rcm: **21.00** N/mm<sup>2</sup> fym: **380.0** N/mm<sup>2</sup> fatt. confidenza: **1.00**  
 Tensioni di calcolo: fcdm: **-14.81** N/mm<sup>2</sup> fydm: **380.0** N/mm<sup>2</sup>  
 Coefficienti parziali di sicurezza dei materiali:  $\gamma_c$ : **1.50**  $\gamma_s$ : **1.15** acc: **0.85**  
 Coefficiente di fragilità a sforzo normale: **0.800**

**ASTA NUM. 96** NI 95 NF 127 SEZ. Rp B= 0.400 H= 0.600 (pilastro)

**PIL. NUM. 13**

Copriferro: 3.0 cm

| NC | x          | Fx      | My     | Mz   | APOST | AANT | AINF | ASUP    | My.Res. | Mz.Res. | I.R. | Note |
|----|------------|---------|--------|------|-------|------|------|---------|---------|---------|------|------|
|    | cm         | kN      | kN*m   |      | cmq   |      |      |         | kN*m    |         | Fx,M |      |
| 1A | 0-251.733  | 7.171   | 61.005 | 4.62 | 4.62  | 3.08 | 3.08 | 93.184  | 305.570 | 0.20    |      |      |
| 1B | 0-251.733  | 7.171   | 52.315 | 4.62 | 4.62  | 3.08 | 3.08 | 93.184  | 318.781 | 0.16    |      |      |
| 1C | 0-251.733  | -19.799 | 61.005 | 4.62 | 4.62  | 3.08 | 3.08 | 191.592 | 305.570 | 0.20    |      |      |
| 1D | 0-251.733  | -19.799 | 52.315 | 4.62 | 4.62  | 3.08 | 3.08 | 191.592 | 318.781 | 0.16    |      |      |
| 1E | 0-146.667  | 7.171   | 61.005 | 4.62 | 4.62  | 3.08 | 3.08 | 142.640 | 220.953 | 0.28    |      |      |
| 1F | 0-146.667  | 7.171   | 52.315 | 4.62 | 4.62  | 3.08 | 3.08 | 142.640 | 250.940 | 0.21    |      |      |
| 1G | 0-146.667  | -19.799 | 61.005 | 4.62 | 4.62  | 3.08 | 3.08 | 232.539 | 220.953 | 0.28    |      |      |
| 1H | 0-146.667  | -19.799 | 52.315 | 4.62 | 4.62  | 3.08 | 3.08 | 232.539 | 250.940 | 0.21    |      |      |
| 1I | 0-224.706  | 24.931  | 61.275 | 4.62 | 4.62  | 3.08 | 3.08 | 221.078 | 291.306 | 0.21    |      |      |
| 1J | 0-224.706  | 24.931  | 52.045 | 4.62 | 4.62  | 3.08 | 3.08 | 221.078 | 310.307 | 0.17    |      |      |
| 1K | 0-224.706  | -37.559 | 61.275 | 4.62 | 4.62  | 3.08 | 3.08 | 223.775 | 291.306 | 0.21    |      |      |
| 1L | 0-224.706  | -37.559 | 52.045 | 4.62 | 4.62  | 3.08 | 3.08 | 223.775 | 310.307 | 0.17    |      |      |
| 1M | 0-173.694  | 24.931  | 61.275 | 4.62 | 4.62  | 3.08 | 3.08 | 231.804 | 253.131 | 0.24    |      |      |
| 1N | 0-173.694  | 24.931  | 52.045 | 4.62 | 4.62  | 3.08 | 3.08 | 231.804 | 279.191 | 0.19    |      |      |
| 1O | 0-173.694  | -37.559 | 61.275 | 4.62 | 4.62  | 3.08 | 3.08 | 191.408 | 253.131 | 0.24    |      |      |
| 1P | 0-173.694  | -37.559 | 52.045 | 4.62 | 4.62  | 3.08 | 3.08 | 191.408 | 279.191 | 0.20    |      |      |
| 1A | 23-250.360 | 6.052   | 53.161 | 4.62 | 4.62  | 3.08 | 3.08 | 80.957  | 317.460 | 0.17    |      |      |
| 1B | 23-250.360 | 6.052   | 46.237 | 4.62 | 4.62  | 3.08 | 3.08 | 80.957  | 322.460 | 0.14    |      |      |
| 1C | 23-250.360 | -16.928 | 53.161 | 4.62 | 4.62  | 3.08 | 3.08 | 176.317 | 317.460 | 0.17    |      |      |
| 1D | 23-250.360 | -16.928 | 46.237 | 4.62 | 4.62  | 3.08 | 3.08 | 176.317 | 322.460 | 0.14    |      |      |
| 1E | 23-145.294 | 6.052   | 53.161 | 4.62 | 4.62  | 3.08 | 3.08 | 126.649 | 245.885 | 0.22    |      |      |
| 1F | 23-145.294 | 6.052   | 46.237 | 4.62 | 4.62  | 3.08 | 3.08 | 126.649 | 271.632 | 0.17    |      |      |
| 1G | 23-145.294 | -16.928 | 53.161 | 4.62 | 4.62  | 3.08 | 3.08 | 224.420 | 245.885 | 0.22    |      |      |
| 1H | 23-145.294 | -16.928 | 46.237 | 4.62 | 4.62  | 3.08 | 3.08 | 224.420 | 271.632 | 0.17    |      |      |
| 1I | 23-223.333 | 21.181  | 53.548 | 4.62 | 4.62  | 3.08 | 3.08 | 208.820 | 306.732 | 0.17    |      |      |
| 1J | 23-223.333 | 21.181  | 45.850 | 4.62 | 4.62  | 3.08 | 3.08 | 208.820 | 319.445 | 0.14    |      |      |
| 1K | 23-223.333 | -32.057 | 53.548 | 4.62 | 4.62  | 3.08 | 3.08 | 231.803 | 306.732 | 0.17    |      |      |
| 1L | 23-223.333 | -32.057 | 45.850 | 4.62 | 4.62  | 3.08 | 3.08 | 231.803 | 319.445 | 0.14    |      |      |
| 1M | 23-172.321 | 21.181  | 53.548 | 4.62 | 4.62  | 3.08 | 3.08 | 227.819 | 274.600 | 0.19    |      |      |
| 1N | 23-172.321 | 21.181  | 45.850 | 4.62 | 4.62  | 3.08 | 3.08 | 227.819 | 294.426 | 0.16    |      |      |
| 1O | 23-172.321 | -32.057 | 53.548 | 4.62 | 4.62  | 3.08 | 3.08 | 212.768 | 274.600 | 0.19    |      |      |
| 1P | 23-172.321 | -32.057 | 45.850 | 4.62 | 4.62  | 3.08 | 3.08 | 212.768 | 294.426 | 0.16    |      |      |
| 1A | 47-248.986 | 4.933   | 45.317 | 4.62 | 4.62  | 3.08 | 3.08 | 68.111  | 322.484 | 0.14    |      |      |
| 1B | 47-248.986 | 4.933   | 40.158 | 4.62 | 4.62  | 3.08 | 3.08 | 68.111  | 315.585 | 0.13    |      |      |
| 1C | 47-248.986 | -14.056 | 45.317 | 4.62 | 4.62  | 3.08 | 3.08 | 157.515 | 322.484 | 0.14    |      |      |
| 1D | 47-248.986 | -14.056 | 40.158 | 4.62 | 4.62  | 3.08 | 3.08 | 157.515 | 315.585 | 0.13    |      |      |
| 1E | 47-143.920 | 4.933   | 45.317 | 4.62 | 4.62  | 3.08 | 3.08 | 108.486 | 272.934 | 0.17    |      |      |
| 1F | 47-143.920 | 4.933   | 40.158 | 4.62 | 4.62  | 3.08 | 3.08 | 108.486 | 288.355 | 0.14    |      |      |
| 1G | 47-143.920 | -14.056 | 45.317 | 4.62 | 4.62  | 3.08 | 3.08 | 211.281 | 272.934 | 0.17    |      |      |
| 1H | 47-143.920 | -14.056 | 40.158 | 4.62 | 4.62  | 3.08 | 3.08 | 211.281 | 288.355 | 0.14    |      |      |
| 1I | 47-221.959 | 17.431  | 45.820 | 4.62 | 4.62  | 3.08 | 3.08 | 191.447 | 319.152 | 0.14    |      |      |
| 1J | 47-221.959 | 17.431  | 39.654 | 4.62 | 4.62  | 3.08 | 3.08 | 191.447 | 322.378 | 0.12    |      |      |
| 1K | 47-221.959 | -26.554 | 45.820 | 4.62 | 4.62  | 3.08 | 3.08 | 226.137 | 319.152 | 0.14    |      |      |
| 1L | 47-221.959 | -26.554 | 39.654 | 4.62 | 4.62  | 3.08 | 3.08 | 226.137 | 322.378 | 0.12    |      |      |
| 1M | 47-170.947 | 17.431  | 45.820 | 4.62 | 4.62  | 3.08 | 3.08 | 214.763 | 293.497 | 0.16    |      |      |
| 1N | 47-170.947 | 17.431  | 39.654 | 4.62 | 4.62  | 3.08 | 3.08 | 214.763 | 310.158 | 0.13    |      |      |
| 1O | 47-170.947 | -26.554 | 45.820 | 4.62 | 4.62  | 3.08 | 3.08 | 228.778 | 293.497 | 0.16    |      |      |
| 1P | 47-170.947 | -26.554 | 39.654 | 4.62 | 4.62  | 3.08 | 3.08 | 228.778 | 310.158 | 0.13    |      |      |
| 1A | 70-247.613 | 3.814   | 37.473 | 4.62 | 4.62  | 3.08 | 3.08 | 54.366  | 309.900 | 0.12    |      |      |
| 1B | 70-247.613 | 3.814   | 34.079 | 4.62 | 4.62  | 3.08 | 3.08 | 54.366  | 300.156 | 0.11    |      |      |
| 1C | 70-247.613 | -11.185 | 37.473 | 4.62 | 4.62  | 3.08 | 3.08 | 134.645 | 309.900 | 0.12    |      |      |
| 1D | 70-247.613 | -11.185 | 34.079 | 4.62 | 4.62  | 3.08 | 3.08 | 134.645 | 300.156 | 0.11    |      |      |
| 1E | 70-142.547 | 3.814   | 37.473 | 4.62 | 4.62  | 3.08 | 3.08 | 88.363  | 295.940 | 0.13    |      |      |
| 1F | 70-142.547 | 3.814   | 34.079 | 4.62 | 4.62  | 3.08 | 3.08 | 88.363  | 307.042 | 0.11    |      |      |
| 1G | 70-142.547 | -11.185 | 37.473 | 4.62 | 4.62  | 3.08 | 3.08 | 191.357 | 295.940 | 0.13    |      |      |
| 1H | 70-142.547 | -11.185 | 34.079 | 4.62 | 4.62  | 3.08 | 3.08 | 191.357 | 307.042 | 0.11    |      |      |
| 1I | 70-220.586 | 13.682  | 38.093 | 4.62 | 4.62  | 3.08 | 3.08 | 167.352 | 320.903 | 0.12    |      |      |
| 1J | 70-220.586 | 13.682  | 33.459 | 4.62 | 4.62  | 3.08 | 3.08 | 167.352 | 310.116 | 0.11    |      |      |
| 1K | 70-220.586 | -21.052 | 38.093 | 4.62 | 4.62  | 3.08 | 3.08 | 209.350 | 320.903 | 0.12    |      |      |
| 1L | 70-220.586 | -21.052 | 33.459 | 4.62 | 4.62  | 3.08 | 3.08 | 209.350 | 310.116 | 0.11    |      |      |
| 1M | 70-169.574 | 13.682  | 38.093 | 4.62 | 4.62  | 3.08 | 3.08 | 194.071 | 313.134 | 0.12    |      |      |
| 1N | 70-169.574 | 13.682  | 33.459 | 4.62 | 4.62  | 3.08 | 3.08 | 194.071 | 321.167 | 0.10    |      |      |
| 1O | 70-169.574 | -21.052 | 38.093 | 4.62 | 4.62  | 3.08 | 3.08 | 228.419 | 313.134 | 0.12    |      |      |
| 1P | 70-169.574 | -21.052 | 33.459 | 4.62 | 4.62  | 3.08 | 3.08 | 228.419 | 321.167 | 0.10    |      |      |
| 1A | 93-246.240 | 2.695   | 29.629 | 4.62 | 4.62  | 3.08 | 3.08 | 39.638  | 284.048 | 0.10    |      |      |
| 1B | 93-246.240 | 2.695   | 28.001 | 4.62 | 4.62  | 3.08 | 3.08 | 39.638  | 276.601 | 0.10    |      |      |
| 1C | 93-246.240 | -8.313  | 29.629 | 4.62 | 4.62  | 3.08 | 3.08 | 107.144 | 284.048 | 0.10    |      |      |
| 1D | 93-246.240 | -8.313  | 28.001 | 4.62 | 4.62  | 3.08 | 3.08 | 107.144 | 276.601 | 0.10    |      |      |
| 1E | 93-141.174 | 2.695   | 29.629 | 4.62 | 4.62  | 3.08 | 3.08 | 65.891  | 318.200 | 0.09    |      |      |
| 1F | 93-141.174 | 2.695   | 28.001 | 4.62 | 4.62  | 3.08 | 3.08 | 65.891  | 320.983 | 0.09    |      |      |

|    |             |         |         |      |      |      |      |         |         |      |
|----|-------------|---------|---------|------|------|------|------|---------|---------|------|
| 1G | 93-141.174  | -8.313  | 29.629  | 4.62 | 4.62 | 3.08 | 3.08 | 161.925 | 318.200 | 0.09 |
| 1H | 93-141.174  | -8.313  | 28.001  | 4.62 | 4.62 | 3.08 | 3.08 | 161.925 | 320.983 | 0.09 |
| 1I | 93-219.213  | 9.932   | 30.365  | 4.62 | 4.62 | 3.08 | 3.08 | 134.946 | 300.863 | 0.10 |
| 1J | 93-219.213  | 9.932   | 27.264  | 4.62 | 4.62 | 3.08 | 3.08 | 134.946 | 288.236 | 0.09 |
| 1K | 93-219.213  | -15.549 | 30.365  | 4.62 | 4.62 | 3.08 | 3.08 | 181.241 | 300.863 | 0.10 |
| 1L | 93-219.213  | -15.549 | 27.264  | 4.62 | 4.62 | 3.08 | 3.08 | 181.241 | 288.236 | 0.09 |
| 1M | 93-168.201  | 9.932   | 30.365  | 4.62 | 4.62 | 3.08 | 3.08 | 162.209 | 322.456 | 0.09 |
| 1N | 93-168.201  | 9.932   | 27.264  | 4.62 | 4.62 | 3.08 | 3.08 | 162.209 | 316.000 | 0.09 |
| 1O | 93-168.201  | -15.549 | 30.365  | 4.62 | 4.62 | 3.08 | 3.08 | 206.614 | 322.456 | 0.09 |
| 1P | 93-168.201  | -15.549 | 27.264  | 4.62 | 4.62 | 3.08 | 3.08 | 206.614 | 316.000 | 0.09 |
| 1A | 117-244.866 | 1.576   | 21.785  | 4.62 | 4.62 | 3.08 | 3.08 | 23.791  | 241.432 | 0.09 |
| 1B | 117-244.866 | 1.576   | 21.922  | 4.62 | 4.62 | 3.08 | 3.08 | 23.791  | 242.363 | 0.09 |
| 1C | 117-244.866 | -5.442  | 21.785  | 4.62 | 4.62 | 3.08 | 3.08 | 75.197  | 241.432 | 0.09 |
| 1D | 117-244.866 | -5.442  | 21.922  | 4.62 | 4.62 | 3.08 | 3.08 | 75.197  | 242.363 | 0.09 |
| 1E | 117-139.800 | 1.576   | 21.785  | 4.62 | 4.62 | 3.08 | 3.08 | 40.768  | 312.599 | 0.07 |
| 1F | 117-139.800 | 1.576   | 21.922  | 4.62 | 4.62 | 3.08 | 3.08 | 40.768  | 313.158 | 0.07 |
| 1G | 117-139.800 | -5.442  | 21.785  | 4.62 | 4.62 | 3.08 | 3.08 | 120.197 | 312.599 | 0.07 |
| 1H | 117-139.800 | -5.442  | 21.922  | 4.62 | 4.62 | 3.08 | 3.08 | 120.197 | 313.158 | 0.07 |
| 1I | 117-217.839 | 6.182   | 22.638  | 4.62 | 4.62 | 3.08 | 3.08 | 92.882  | 264.115 | 0.09 |
| 1J | 117-217.839 | 6.182   | 21.069  | 4.62 | 4.62 | 3.08 | 3.08 | 92.882  | 253.740 | 0.08 |
| 1K | 117-217.839 | -10.047 | 22.638  | 4.62 | 4.62 | 3.08 | 3.08 | 136.732 | 264.115 | 0.09 |
| 1L | 117-217.839 | -10.047 | 21.069  | 4.62 | 4.62 | 3.08 | 3.08 | 136.732 | 253.740 | 0.08 |
| 1M | 117-166.827 | 6.182   | 22.638  | 4.62 | 4.62 | 3.08 | 3.08 | 115.561 | 298.581 | 0.08 |
| 1N | 117-166.827 | 6.182   | 21.069  | 4.62 | 4.62 | 3.08 | 3.08 | 115.561 | 290.128 | 0.07 |
| 1O | 117-166.827 | -10.047 | 22.638  | 4.62 | 4.62 | 3.08 | 3.08 | 164.275 | 298.581 | 0.08 |
| 1P | 117-166.827 | -10.047 | 21.069  | 4.62 | 4.62 | 3.08 | 3.08 | 164.275 | 290.128 | 0.07 |
| 1A | 140-243.493 | 0.457   | 13.941  | 4.62 | 4.62 | 3.08 | 3.08 | 6.878   | 177.262 | 0.08 |
| 1B | 140-243.493 | 0.457   | 15.843  | 4.62 | 4.62 | 3.08 | 3.08 | 6.878   | 195.155 | 0.08 |
| 1C | 140-243.493 | -2.570  | 13.941  | 4.62 | 4.62 | 3.08 | 3.08 | 38.295  | 177.262 | 0.08 |
| 1D | 140-243.493 | -2.570  | 15.843  | 4.62 | 4.62 | 3.08 | 3.08 | 38.295  | 195.155 | 0.08 |
| 1E | 140-138.427 | 0.457   | 13.941  | 4.62 | 4.62 | 3.08 | 3.08 | 12.307  | 259.618 | 0.05 |
| 1F | 140-138.427 | 0.457   | 15.843  | 4.62 | 4.62 | 3.08 | 3.08 | 12.307  | 277.471 | 0.06 |
| 1G | 140-138.427 | -2.570  | 13.941  | 4.62 | 4.62 | 3.08 | 3.08 | 64.261  | 259.618 | 0.05 |
| 1H | 140-138.427 | -2.570  | 15.843  | 4.62 | 4.62 | 3.08 | 3.08 | 64.261  | 277.471 | 0.06 |
| 1I | 140-216.466 | 2.432   | 14.911  | 4.62 | 4.62 | 3.08 | 3.08 | 40.624  | 203.423 | 0.07 |
| 1J | 140-216.466 | 2.432   | 14.873  | 4.62 | 4.62 | 3.08 | 3.08 | 40.624  | 203.054 | 0.07 |
| 1K | 140-216.466 | -4.544  | 14.911  | 4.62 | 4.62 | 3.08 | 3.08 | 71.702  | 203.423 | 0.07 |
| 1L | 140-216.466 | -4.544  | 14.873  | 4.62 | 4.62 | 3.08 | 3.08 | 71.702  | 203.054 | 0.07 |
| 1M | 140-165.454 | 2.432   | 14.911  | 4.62 | 4.62 | 3.08 | 3.08 | 52.068  | 243.345 | 0.06 |
| 1N | 140-165.454 | 2.432   | 14.873  | 4.62 | 4.62 | 3.08 | 3.08 | 52.068  | 242.971 | 0.06 |
| 1O | 140-165.454 | -4.544  | 14.911  | 4.62 | 4.62 | 3.08 | 3.08 | 90.353  | 243.345 | 0.06 |
| 1P | 140-165.454 | -4.544  | 14.873  | 4.62 | 4.62 | 3.08 | 3.08 | 90.353  | 242.971 | 0.06 |
| 1A | 163-242.120 | -0.662  | 6.097   | 4.62 | 4.62 | 3.08 | 3.08 | 10.208  | 88.204  | 0.08 |
| 1B | 163-242.120 | -0.662  | 9.764   | 4.62 | 4.62 | 3.08 | 3.08 | 10.208  | 133.001 | 0.08 |
| 1C | 163-242.120 | 0.301   | 6.097   | 4.62 | 4.62 | 3.08 | 3.08 | 4.454   | 88.204  | 0.08 |
| 1D | 163-242.120 | 0.301   | 9.764   | 4.62 | 4.62 | 3.08 | 3.08 | 4.454   | 133.001 | 0.08 |
| 1E | 163-137.054 | -0.662  | 6.097   | 4.62 | 4.62 | 3.08 | 3.08 | 17.960  | 144.452 | 0.04 |
| 1F | 163-137.054 | -0.662  | 9.764   | 4.62 | 4.62 | 3.08 | 3.08 | 17.960  | 208.372 | 0.05 |
| 1G | 163-137.054 | 0.301   | 6.097   | 4.62 | 4.62 | 3.08 | 3.08 | 8.133   | 144.452 | 0.04 |
| 1H | 163-137.054 | 0.301   | 9.764   | 4.62 | 4.62 | 3.08 | 3.08 | 8.133   | 208.372 | 0.05 |
| 1I | 163-215.093 | -1.318  | 7.183   | 4.62 | 4.62 | 3.08 | 3.08 | 22.657  | 113.209 | 0.07 |
| 1J | 163-215.093 | -1.318  | 8.678   | 4.62 | 4.62 | 3.08 | 3.08 | 22.657  | 133.046 | 0.07 |
| 1K | 163-215.093 | 0.958   | 7.183   | 4.62 | 4.62 | 3.08 | 3.08 | 16.556  | 113.209 | 0.07 |
| 1L | 163-215.093 | 0.958   | 8.678   | 4.62 | 4.62 | 3.08 | 3.08 | 16.556  | 133.046 | 0.07 |
| 1M | 163-164.081 | -1.318  | 7.183   | 4.62 | 4.62 | 3.08 | 3.08 | 29.570  | 142.535 | 0.05 |
| 1N | 163-164.081 | -1.318  | 8.678   | 4.62 | 4.62 | 3.08 | 3.08 | 29.570  | 166.334 | 0.05 |
| 1O | 163-164.081 | 0.958   | 7.183   | 4.62 | 4.62 | 3.08 | 3.08 | 21.722  | 142.535 | 0.05 |
| 1P | 163-164.081 | 0.958   | 8.678   | 4.62 | 4.62 | 3.08 | 3.08 | 21.722  | 166.334 | 0.05 |
| 1A | 198-240.060 | -2.340  | -5.669  | 4.62 | 4.62 | 3.08 | 3.08 | 35.487  | 83.209  | 0.08 |
| 1B | 198-240.060 | -2.340  | 0.646   | 4.62 | 4.62 | 3.08 | 3.08 | 35.487  | 10.017  | 0.08 |
| 1C | 198-240.060 | 4.608   | -5.669  | 4.62 | 4.62 | 3.08 | 3.08 | 66.216  | 83.209  | 0.08 |
| 1D | 198-240.060 | 4.608   | 0.646   | 4.62 | 4.62 | 3.08 | 3.08 | 66.216  | 10.017  | 0.08 |
| 1E | 198-134.994 | -2.340  | -5.669  | 4.62 | 4.62 | 3.08 | 3.08 | 60.383  | 137.638 | 0.04 |
| 1F | 198-134.994 | -2.340  | 0.646   | 4.62 | 4.62 | 3.08 | 3.08 | 60.383  | 18.042  | 0.04 |
| 1G | 198-134.994 | 4.608   | -5.669  | 4.62 | 4.62 | 3.08 | 3.08 | 108.127 | 137.638 | 0.04 |
| 1H | 198-134.994 | 4.608   | 0.646   | 4.62 | 4.62 | 3.08 | 3.08 | 108.127 | 18.042  | 0.04 |
| 1I | 198-213.033 | -6.943  | -4.408  | 4.62 | 4.62 | 3.08 | 3.08 | 104.077 | 73.676  | 0.07 |
| 1J | 198-213.033 | -6.943  | -0.615  | 4.62 | 4.62 | 3.08 | 3.08 | 104.077 | 10.780  | 0.07 |
| 1K | 198-213.033 | 9.212   | -4.408  | 4.62 | 4.62 | 3.08 | 3.08 | 130.318 | 73.676  | 0.07 |
| 1L | 198-213.033 | 9.212   | -0.615  | 4.62 | 4.62 | 3.08 | 3.08 | 130.318 | 10.780  | 0.07 |
| 1M | 198-162.021 | -6.943  | -4.408  | 4.62 | 4.62 | 3.08 | 3.08 | 129.433 | 94.382  | 0.05 |
| 1N | 198-162.021 | -6.943  | -0.615  | 4.62 | 4.62 | 3.08 | 3.08 | 129.433 | 14.219  | 0.05 |
| 1O | 198-162.021 | 9.212   | -4.408  | 4.62 | 4.62 | 3.08 | 3.08 | 158.257 | 94.382  | 0.06 |
| 1P | 198-162.021 | 9.212   | -0.615  | 4.62 | 4.62 | 3.08 | 3.08 | 158.257 | 14.219  | 0.06 |
| 1A | 222-238.686 | -3.459  | -13.513 | 4.62 | 4.62 | 3.08 | 3.08 | 51.394  | 175.722 | 0.08 |
| 1B | 222-238.686 | -3.459  | -5.432  | 4.62 | 4.62 | 3.08 | 3.08 | 51.394  | 80.447  | 0.07 |
| 1C | 222-238.686 | 7.480   | -13.513 | 4.62 | 4.62 | 3.08 | 3.08 | 100.735 | 175.722 | 0.08 |
| 1D | 222-238.686 | 7.480   | -5.432  | 4.62 | 4.62 | 3.08 | 3.08 | 100.735 | 80.447  | 0.07 |
| 1E | 222-133.620 | -3.459  | -13.513 | 4.62 | 4.62 | 3.08 | 3.08 | 85.892  | 260.219 | 0.05 |
| 1F | 222-133.620 | -3.459  | -5.432  | 4.62 | 4.62 | 3.08 | 3.08 | 85.892  | 133.913 | 0.04 |
| 1G | 222-133.620 | 7.480   | -13.513 | 4.62 | 4.62 | 3.08 | 3.08 | 156.635 | 260.219 | 0.05 |
| 1H | 222-133.620 | 7.480   | -5.432  | 4.62 | 4.62 | 3.08 | 3.08 | 156.635 | 133.913 | 0.05 |
| 1I | 222-211.659 | -10.693 | -12.135 | 4.62 | 4.62 | 3.08 | 3.08 | 145.996 | 177.451 | 0.07 |
| 1J | 222-211.659 | -10.693 | -6.810  | 4.62 | 4.62 | 3.08 | 3.08 | 145.996 | 109.579 | 0.07 |
| 1K | 222-211.659 | 14.714  | -12.135 | 4.62 | 4.62 | 3.08 | 3.08 | 179.176 | 177.451 | 0.08 |
| 1L | 222-211.659 | 14.714  | -6.810  | 4.62 | 4.62 | 3.08 | 3.08 | 179.176 | 109.579 | 0.08 |
| 1M | 222-160.647 | -10.693 | -12.135 | 4.62 | 4.62 | 3.08 | 3.08 | 174.700 | 217.031 | 0.06 |
| 1N | 222-160.647 | -10.693 | -6.810  | 4.62 | 4.62 | 3.08 | 3.08 | 174.700 | 138.737 | 0.06 |
| 1O | 222-160.647 | 14.714  | -12.135 | 4.62 | 4.62 | 3.08 | 3.08 | 205.803 | 217.031 | 0.07 |
| 1P | 222-160.647 | 14.714  | -6.810  | 4.62 | 4.62 | 3.08 | 3.08 | 205.803 | 138.737 | 0.07 |
| 1A | 245-237.313 | -4.578  | -21.357 | 4.62 | 4.62 | 3.08 | 3.08 | 66.504  | 243.138 | 0.09 |
| 1B | 245-237.313 | -4.578  | -11.511 | 4.62 | 4.62 | 3.08 | 3.08 | 66.504  | 155.165 | 0.07 |

|    |             |         |         |      |      |      |      |         |         |      |
|----|-------------|---------|---------|------|------|------|------|---------|---------|------|
| 1C | 245-237.313 | 10.351  | -21.357 | 4.62 | 4.62 | 3.08 | 3.08 | 131.177 | 243.138 | 0.09 |
| 1D | 245-237.313 | 10.351  | -11.511 | 4.62 | 4.62 | 3.08 | 3.08 | 131.177 | 155.165 | 0.08 |
| 1E | 245-132.247 | -4.578  | -21.357 | 4.62 | 4.62 | 3.08 | 3.08 | 109.361 | 315.693 | 0.07 |
| 1F | 245-132.247 | -4.578  | -11.511 | 4.62 | 4.62 | 3.08 | 3.08 | 109.361 | 238.178 | 0.05 |
| 1G | 245-132.247 | 10.351  | -21.357 | 4.62 | 4.62 | 3.08 | 3.08 | 191.121 | 315.693 | 0.07 |
| 1H | 245-132.247 | 10.351  | -11.511 | 4.62 | 4.62 | 3.08 | 3.08 | 191.121 | 238.178 | 0.05 |
| 1I | 245-210.286 | -14.443 | -19.862 | 4.62 | 4.62 | 3.08 | 3.08 | 177.934 | 250.276 | 0.08 |
| 1J | 245-210.286 | -14.443 | -13.006 | 4.62 | 4.62 | 3.08 | 3.08 | 177.934 | 187.909 | 0.08 |
| 1K | 245-210.286 | 20.217  | -19.862 | 4.62 | 4.62 | 3.08 | 3.08 | 209.969 | 250.276 | 0.10 |
| 1L | 245-210.286 | 20.217  | -13.006 | 4.62 | 4.62 | 3.08 | 3.08 | 209.969 | 187.909 | 0.10 |
| 1M | 245-159.274 | -14.443 | -19.862 | 4.62 | 4.62 | 3.08 | 3.08 | 204.918 | 288.570 | 0.07 |
| 1N | 245-159.274 | -14.443 | -13.006 | 4.62 | 4.62 | 3.08 | 3.08 | 204.918 | 228.645 | 0.07 |
| 1O | 245-159.274 | 20.217  | -19.862 | 4.62 | 4.62 | 3.08 | 3.08 | 229.724 | 288.570 | 0.09 |
| 1P | 245-159.274 | 20.217  | -13.006 | 4.62 | 4.62 | 3.08 | 3.08 | 229.724 | 228.645 | 0.09 |
| 1A | 268-235.940 | -5.697  | -29.201 | 4.62 | 4.62 | 3.08 | 3.08 | 80.873  | 287.625 | 0.10 |
| 1B | 268-235.940 | -5.697  | -17.590 | 4.62 | 4.62 | 3.08 | 3.08 | 80.873  | 215.079 | 0.08 |
| 1C | 268-235.940 | 13.223  | -29.201 | 4.62 | 4.62 | 3.08 | 3.08 | 156.755 | 287.625 | 0.10 |
| 1D | 268-235.940 | 13.223  | -17.590 | 4.62 | 4.62 | 3.08 | 3.08 | 156.755 | 215.079 | 0.08 |
| 1E | 268-130.874 | -5.697  | -29.201 | 4.62 | 4.62 | 3.08 | 3.08 | 130.971 | 313.716 | 0.09 |
| 1F | 268-130.874 | -5.697  | -17.590 | 4.62 | 4.62 | 3.08 | 3.08 | 130.971 | 297.495 | 0.06 |
| 1G | 268-130.874 | 13.223  | -29.201 | 4.62 | 4.62 | 3.08 | 3.08 | 214.034 | 313.716 | 0.09 |
| 1H | 268-130.874 | 13.223  | -17.590 | 4.62 | 4.62 | 3.08 | 3.08 | 214.034 | 297.495 | 0.06 |
| 1I | 268-208.913 | -18.193 | -27.590 | 4.62 | 4.62 | 3.08 | 3.08 | 201.266 | 295.473 | 0.09 |
| 1J | 268-208.913 | -18.193 | -19.201 | 4.62 | 4.62 | 3.08 | 3.08 | 201.266 | 246.254 | 0.09 |
| 1K | 268-208.913 | 25.719  | -27.590 | 4.62 | 4.62 | 3.08 | 3.08 | 227.913 | 295.473 | 0.11 |
| 1L | 268-208.913 | 25.719  | -19.201 | 4.62 | 4.62 | 3.08 | 3.08 | 227.913 | 246.254 | 0.11 |
| 1M | 268-157.901 | -18.193 | -27.590 | 4.62 | 4.62 | 3.08 | 3.08 | 223.680 | 321.736 | 0.09 |
| 1N | 268-157.901 | -18.193 | -19.201 | 4.62 | 4.62 | 3.08 | 3.08 | 223.680 | 285.399 | 0.08 |
| 1O | 268-157.901 | 25.719  | -27.590 | 4.62 | 4.62 | 3.08 | 3.08 | 225.773 | 321.736 | 0.11 |
| 1P | 268-157.901 | 25.719  | -19.201 | 4.62 | 4.62 | 3.08 | 3.08 | 225.773 | 285.399 | 0.11 |
| 1A | 292-234.566 | -6.816  | -37.045 | 4.62 | 4.62 | 3.08 | 3.08 | 94.751  | 313.785 | 0.12 |
| 1B | 292-234.566 | -6.816  | -23.668 | 4.62 | 4.62 | 3.08 | 3.08 | 94.751  | 259.895 | 0.09 |
| 1C | 292-234.566 | 16.094  | -37.045 | 4.62 | 4.62 | 3.08 | 3.08 | 177.829 | 313.785 | 0.12 |
| 1D | 292-234.566 | 16.094  | -23.668 | 4.62 | 4.62 | 3.08 | 3.08 | 177.829 | 259.895 | 0.09 |
| 1E | 292-129.500 | -6.816  | -37.045 | 4.62 | 4.62 | 3.08 | 3.08 | 150.219 | 285.145 | 0.13 |
| 1F | 292-129.500 | -6.816  | -23.668 | 4.62 | 4.62 | 3.08 | 3.08 | 150.219 | 322.487 | 0.07 |
| 1G | 292-129.500 | 16.094  | -37.045 | 4.62 | 4.62 | 3.08 | 3.08 | 228.483 | 285.145 | 0.13 |
| 1H | 292-129.500 | 16.094  | -23.668 | 4.62 | 4.62 | 3.08 | 3.08 | 228.483 | 322.487 | 0.07 |
| 1I | 292-207.539 | -21.943 | -35.317 | 4.62 | 4.62 | 3.08 | 3.08 | 217.554 | 319.828 | 0.11 |
| 1J | 292-207.539 | -21.943 | -25.396 | 4.62 | 4.62 | 3.08 | 3.08 | 217.554 | 286.197 | 0.10 |
| 1K | 292-207.539 | 31.222  | -35.317 | 4.62 | 4.62 | 3.08 | 3.08 | 230.291 | 319.828 | 0.14 |
| 1L | 292-207.539 | 31.222  | -25.396 | 4.62 | 4.62 | 3.08 | 3.08 | 230.291 | 286.197 | 0.14 |
| 1M | 292-156.527 | -21.943 | -35.317 | 4.62 | 4.62 | 3.08 | 3.08 | 232.246 | 312.747 | 0.11 |
| 1N | 292-156.527 | -21.943 | -25.396 | 4.62 | 4.62 | 3.08 | 3.08 | 232.246 | 316.081 | 0.09 |
| 1O | 292-156.527 | 31.222  | -35.317 | 4.62 | 4.62 | 3.08 | 3.08 | 203.549 | 312.747 | 0.15 |
| 1P | 292-156.527 | 31.222  | -25.396 | 4.62 | 4.62 | 3.08 | 3.08 | 203.549 | 316.081 | 0.15 |
| 1A | 315-233.193 | -7.935  | -44.889 | 4.62 | 4.62 | 3.08 | 3.08 | 107.835 | 321.877 | 0.14 |
| 1B | 315-233.193 | -7.935  | -29.747 | 4.62 | 4.62 | 3.08 | 3.08 | 107.835 | 291.353 | 0.10 |
| 1C | 315-233.193 | 18.966  | -44.889 | 4.62 | 4.62 | 3.08 | 3.08 | 194.843 | 321.877 | 0.14 |
| 1D | 315-233.193 | 18.966  | -29.747 | 4.62 | 4.62 | 3.08 | 3.08 | 194.843 | 291.353 | 0.10 |
| 1E | 315-128.127 | -7.935  | -44.889 | 4.62 | 4.62 | 3.08 | 3.08 | 167.191 | 254.501 | 0.18 |
| 1F | 315-128.127 | -7.935  | -29.747 | 4.62 | 4.62 | 3.08 | 3.08 | 167.191 | 310.073 | 0.10 |
| 1G | 315-128.127 | 18.966  | -44.889 | 4.62 | 4.62 | 3.08 | 3.08 | 230.904 | 254.501 | 0.18 |
| 1H | 315-128.127 | 18.966  | -29.747 | 4.62 | 4.62 | 3.08 | 3.08 | 230.904 | 310.073 | 0.10 |
| 1I | 315-206.166 | -25.693 | -43.044 | 4.62 | 4.62 | 3.08 | 3.08 | 228.648 | 318.513 | 0.14 |
| 1J | 315-206.166 | -25.693 | -31.592 | 4.62 | 4.62 | 3.08 | 3.08 | 228.648 | 311.068 | 0.11 |
| 1K | 315-206.166 | 36.724  | -43.044 | 4.62 | 4.62 | 3.08 | 3.08 | 217.739 | 318.513 | 0.17 |
| 1L | 315-206.166 | 36.724  | -31.592 | 4.62 | 4.62 | 3.08 | 3.08 | 217.739 | 311.068 | 0.17 |
| 1M | 315-155.154 | -25.693 | -43.044 | 4.62 | 4.62 | 3.08 | 3.08 | 224.526 | 289.095 | 0.15 |
| 1N | 315-155.154 | -25.693 | -31.592 | 4.62 | 4.62 | 3.08 | 3.08 | 224.526 | 319.856 | 0.11 |
| 1O | 315-155.154 | 36.724  | -43.044 | 4.62 | 4.62 | 3.08 | 3.08 | 176.813 | 289.095 | 0.21 |
| 1P | 315-155.154 | 36.724  | -31.592 | 4.62 | 4.62 | 3.08 | 3.08 | 176.813 | 319.856 | 0.21 |
| 1A | 350-231.133 | -9.613  | -56.655 | 4.62 | 4.62 | 3.08 | 3.08 | 126.499 | 304.298 | 0.19 |
| 1B | 350-231.133 | -9.613  | -38.865 | 4.62 | 4.62 | 3.08 | 3.08 | 126.499 | 318.926 | 0.12 |
| 1C | 350-231.133 | 23.273  | -56.655 | 4.62 | 4.62 | 3.08 | 3.08 | 213.761 | 304.298 | 0.19 |
| 1D | 350-231.133 | 23.273  | -38.865 | 4.62 | 4.62 | 3.08 | 3.08 | 213.761 | 318.926 | 0.12 |
| 1E | 350-126.067 | -9.613  | -56.655 | 4.62 | 4.62 | 3.08 | 3.08 | 188.537 | 207.020 | 0.27 |
| 1F | 350-126.067 | -9.613  | -38.865 | 4.62 | 4.62 | 3.08 | 3.08 | 188.537 | 275.591 | 0.14 |
| 1G | 350-126.067 | 23.273  | -56.655 | 4.62 | 4.62 | 3.08 | 3.08 | 213.689 | 207.020 | 0.27 |
| 1H | 350-126.067 | 23.273  | -38.865 | 4.62 | 4.62 | 3.08 | 3.08 | 213.689 | 275.591 | 0.14 |
| 1I | 350-204.106 | -31.318 | -54.635 | 4.62 | 4.62 | 3.08 | 3.08 | 229.405 | 293.665 | 0.19 |
| 1J | 350-204.106 | -31.318 | -40.885 | 4.62 | 4.62 | 3.08 | 3.08 | 229.405 | 320.587 | 0.14 |
| 1K | 350-204.106 | 44.978  | -54.635 | 4.62 | 4.62 | 3.08 | 3.08 | 188.421 | 293.665 | 0.24 |
| 1L | 350-204.106 | 44.978  | -40.885 | 4.62 | 4.62 | 3.08 | 3.08 | 188.421 | 320.587 | 0.24 |
| 1M | 350-153.094 | -31.318 | -54.635 | 4.62 | 4.62 | 3.08 | 3.08 | 199.902 | 250.840 | 0.22 |
| 1N | 350-153.094 | -31.318 | -40.885 | 4.62 | 4.62 | 3.08 | 3.08 | 199.902 | 293.961 | 0.16 |
| 1O | 350-153.094 | 44.978  | -54.635 | 4.62 | 4.62 | 3.08 | 3.08 | 141.458 | 250.840 | 0.32 |
| 1P | 350-153.094 | 44.978  | -40.885 | 4.62 | 4.62 | 3.08 | 3.08 | 141.458 | 293.961 | 0.32 |

ASTA NUM. 6 NI 105 NF 134 SEZ. Rp B= 0.400 H= 0.600 (pilastro)

PIL. NUM. 10

Copriferro: 3.0 cm

| NC | x          | Fx      | My      | Mz | APOST | AANT | AINF | ASUP | My.Res. | Mz.Res. | I.R.  | Note |
|----|------------|---------|---------|----|-------|------|------|------|---------|---------|-------|------|
|    | cm         | kN      | kN*m    |    | cmq   |      |      |      | kN*m    |         | Fx, M |      |
| 1A | 0-166.022  | -20.924 | 37.729  |    | 4.62  | 4.62 | 3.08 | 3.08 | 193.186 | 260.177 | 0.14  |      |
| 1B | 0-166.022  | -20.924 | -41.722 |    | 4.62  | 4.62 | 3.08 | 3.08 | 193.186 | 251.744 | 0.17  |      |
| 1C | 0-166.022  | -34.956 | 37.729  |    | 4.62  | 4.62 | 3.08 | 3.08 | 162.953 | 260.177 | 0.21  |      |
| 1D | 0-166.022  | -34.956 | -41.722 |    | 4.62  | 4.62 | 3.08 | 3.08 | 162.953 | 251.744 | 0.21  |      |
| 1E | 0-153.179  | -20.924 | 37.729  |    | 4.62  | 4.62 | 3.08 | 3.08 | 193.752 | 253.569 | 0.15  |      |
| 1F | 0-153.179  | -20.924 | -41.722 |    | 4.62  | 4.62 | 3.08 | 3.08 | 193.752 | 243.998 | 0.17  |      |
| 1G | 0-153.179  | -34.956 | 37.729  |    | 4.62  | 4.62 | 3.08 | 3.08 | 152.313 | 253.569 | 0.23  |      |
| 1H | 0-153.179  | -34.956 | -41.722 |    | 4.62  | 4.62 | 3.08 | 3.08 | 152.313 | 243.998 | 0.23  |      |
| 1I | 0-166.336  | -14.215 | 17.218  |    | 4.62  | 4.62 | 3.08 | 3.08 | 166.796 | 220.824 | 0.09  |      |
| 1J | 0-166.336  | -14.215 | -21.210 |    | 4.62  | 4.62 | 3.08 | 3.08 | 166.796 | 244.429 | 0.09  |      |
| 1K | 0-166.336  | -41.666 | 17.218  |    | 4.62  | 4.62 | 3.08 | 3.08 | 139.584 | 220.824 | 0.30  |      |
| 1L | 0-166.336  | -41.666 | -21.210 |    | 4.62  | 4.62 | 3.08 | 3.08 | 139.584 | 244.429 | 0.30  |      |
| 1M | 0-152.864  | -14.215 | 17.218  |    | 4.62  | 4.62 | 3.08 | 3.08 | 173.373 | 230.773 | 0.08  |      |
| 1N | 0-152.864  | -14.215 | -21.210 |    | 4.62  | 4.62 | 3.08 | 3.08 | 173.373 | 252.871 | 0.08  |      |
| 1O | 0-152.864  | -41.666 | 17.218  |    | 4.62  | 4.62 | 3.08 | 3.08 | 128.179 | 230.773 | 0.32  |      |
| 1P | 0-152.864  | -41.666 | -21.210 |    | 4.62  | 4.62 | 3.08 | 3.08 | 128.179 | 252.871 | 0.32  |      |
| 1A | 2-165.875  | -32.186 | 35.474  |    | 4.62  | 4.62 | 3.08 | 3.08 | 172.825 | 264.106 | 0.19  |      |
| 1B | 2-165.875  | -32.186 | -39.818 |    | 4.62  | 4.62 | 3.08 | 3.08 | 172.825 | 255.839 | 0.19  |      |
| 1C | 2-165.875  | -44.919 | 35.474  |    | 4.62  | 4.62 | 3.08 | 3.08 | 129.026 | 264.106 | 0.35  |      |
| 1D | 2-165.875  | -44.919 | -39.818 |    | 4.62  | 4.62 | 3.08 | 3.08 | 129.026 | 255.839 | 0.35  |      |
| 1E | 2-153.032  | -32.186 | 35.474  |    | 4.62  | 4.62 | 3.08 | 3.08 | 163.093 | 258.684 | 0.20  |      |
| 1F | 2-153.032  | -32.186 | -39.818 |    | 4.62  | 4.62 | 3.08 | 3.08 | 163.093 | 248.464 | 0.20  |      |
| 1G | 2-153.032  | -44.919 | 35.474  |    | 4.62  | 4.62 | 3.08 | 3.08 | 118.877 | 258.684 | 0.38  |      |
| 1H | 2-153.032  | -44.919 | -39.818 |    | 4.62  | 4.62 | 3.08 | 3.08 | 118.877 | 248.464 | 0.38  |      |
| 1I | 2-166.189  | -26.091 | 16.038  |    | 4.62  | 4.62 | 3.08 | 3.08 | 190.143 | 212.291 | 0.14  |      |
| 1J | 2-166.189  | -26.091 | -20.383 |    | 4.62  | 4.62 | 3.08 | 3.08 | 190.143 | 240.292 | 0.14  |      |
| 1K | 2-166.189  | -51.014 | 16.038  |    | 4.62  | 4.62 | 3.08 | 3.08 | 113.384 | 212.291 | 0.45  |      |
| 1L | 2-166.189  | -51.014 | -20.383 |    | 4.62  | 4.62 | 3.08 | 3.08 | 113.384 | 240.292 | 0.45  |      |
| 1M | 2-152.718  | -26.091 | 16.038  |    | 4.62  | 4.62 | 3.08 | 3.08 | 184.884 | 222.557 | 0.14  |      |
| 1N | 2-152.718  | -26.091 | -20.383 |    | 4.62  | 4.62 | 3.08 | 3.08 | 184.884 | 249.085 | 0.14  |      |
| 1O | 2-152.718  | -51.014 | 16.038  |    | 4.62  | 4.62 | 3.08 | 3.08 | 104.461 | 222.557 | 0.49  |      |
| 1P | 2-152.718  | -51.014 | -20.383 |    | 4.62  | 4.62 | 3.08 | 3.08 | 104.461 | 249.085 | 0.49  |      |
| 1A | 5-165.729  | -29.297 | 33.453  |    | 4.62  | 4.62 | 3.08 | 3.08 | 182.117 | 266.798 | 0.16  |      |
| 1B | 5-165.729  | -29.297 | -37.680 |    | 4.62  | 4.62 | 3.08 | 3.08 | 182.117 | 260.143 | 0.16  |      |
| 1C | 5-165.729  | -40.731 | 33.453  |    | 4.62  | 4.62 | 3.08 | 3.08 | 142.260 | 266.798 | 0.29  |      |
| 1D | 5-165.729  | -40.731 | -37.680 |    | 4.62  | 4.62 | 3.08 | 3.08 | 142.260 | 260.143 | 0.29  |      |
| 1E | 5-152.886  | -29.297 | 33.453  |    | 4.62  | 4.62 | 3.08 | 3.08 | 174.199 | 262.749 | 0.17  |      |
| 1F | 5-152.886  | -29.297 | -37.680 |    | 4.62  | 4.62 | 3.08 | 3.08 | 174.199 | 253.514 | 0.17  |      |
| 1G | 5-152.886  | -40.731 | 33.453  |    | 4.62  | 4.62 | 3.08 | 3.08 | 131.177 | 262.749 | 0.31  |      |
| 1H | 5-152.886  | -40.731 | -37.680 |    | 4.62  | 4.62 | 3.08 | 3.08 | 131.177 | 253.514 | 0.31  |      |
| 1I | 5-166.043  | -23.817 | 15.094  |    | 4.62  | 4.62 | 3.08 | 3.08 | 193.179 | 204.895 | 0.12  |      |
| 1J | 5-166.043  | -23.817 | -19.321 |    | 4.62  | 4.62 | 3.08 | 3.08 | 193.179 | 234.480 | 0.12  |      |
| 1K | 5-166.043  | -46.212 | 15.094  |    | 4.62  | 4.62 | 3.08 | 3.08 | 125.507 | 204.895 | 0.37  |      |
| 1L | 5-166.043  | -46.212 | -19.321 |    | 4.62  | 4.62 | 3.08 | 3.08 | 125.507 | 234.480 | 0.37  |      |
| 1M | 5-152.571  | -23.817 | 15.094  |    | 4.62  | 4.62 | 3.08 | 3.08 | 190.411 | 215.332 | 0.13  |      |
| 1N | 5-152.571  | -23.817 | -19.321 |    | 4.62  | 4.62 | 3.08 | 3.08 | 190.411 | 243.703 | 0.13  |      |
| 1O | 5-152.571  | -46.212 | 15.094  |    | 4.62  | 4.62 | 3.08 | 3.08 | 114.945 | 215.332 | 0.40  |      |
| 1P | 5-152.571  | -46.212 | -19.321 |    | 4.62  | 4.62 | 3.08 | 3.08 | 114.945 | 243.703 | 0.40  |      |
| 1A | 65-162.214 | 40.023  | -15.045 |    | 4.62  | 4.62 | 3.08 | 3.08 | 141.731 | 207.387 | 0.28  |      |
| 1B | 65-162.214 | 40.023  | 13.634  |    | 4.62  | 4.62 | 3.08 | 3.08 | 141.731 | 195.086 | 0.28  |      |
| 1C | 65-162.214 | 59.765  | -15.045 |    | 4.62  | 4.62 | 3.08 | 3.08 | 96.146  | 207.387 | 0.62  |      |
| 1D | 65-162.214 | 59.765  | 13.634  |    | 4.62  | 4.62 | 3.08 | 3.08 | 96.146  | 195.086 | 0.62  |      |
| 1E | 65-149.371 | 40.023  | -15.045 |    | 4.62  | 4.62 | 3.08 | 3.08 | 130.419 | 217.519 | 0.31  |      |
| 1F | 65-149.371 | 40.023  | 13.634  |    | 4.62  | 4.62 | 3.08 | 3.08 | 130.419 | 205.408 | 0.31  |      |
| 1G | 65-149.371 | 59.765  | -15.045 |    | 4.62  | 4.62 | 3.08 | 3.08 | 90.429  | 217.519 | 0.66  |      |
| 1H | 65-149.371 | 59.765  | 13.634  |    | 4.62  | 4.62 | 3.08 | 3.08 | 90.429  | 205.408 | 0.66  |      |
| 1I | 65-162.529 | 30.753  | -7.579  |    | 4.62  | 4.62 | 3.08 | 3.08 | 175.555 | 125.314 | 0.18  |      |
| 1J | 65-162.529 | 30.753  | 6.169   |    | 4.62  | 4.62 | 3.08 | 3.08 | 175.555 | 105.311 | 0.18  |      |
| 1K | 65-162.529 | 69.035  | -7.579  |    | 4.62  | 4.62 | 3.08 | 3.08 | 86.881  | 125.314 | 0.79  |      |
| 1L | 65-162.529 | 69.035  | 6.169   |    | 4.62  | 4.62 | 3.08 | 3.08 | 86.881  | 105.311 | 0.79  |      |
| 1M | 65-149.057 | 30.753  | -7.579  |    | 4.62  | 4.62 | 3.08 | 3.08 | 165.536 | 134.418 | 0.19  |      |
| 1N | 65-149.057 | 30.753  | 6.169   |    | 4.62  | 4.62 | 3.08 | 3.08 | 165.536 | 113.389 | 0.19  |      |
| 1O | 65-149.057 | 69.035  | -7.579  |    | 4.62  | 4.62 | 3.08 | 3.08 | 82.476  | 134.418 | 0.84  |      |
| 1P | 65-149.057 | 69.035  | 6.169   |    | 4.62  | 4.62 | 3.08 | 3.08 | 82.476  | 113.389 | 0.84  |      |
| 1A | 70-161.922 | 31.650  | -18.851 |    | 4.62  | 4.62 | 3.08 | 3.08 | 171.972 | 234.540 | 0.18  |      |
| 1B | 70-161.922 | 31.650  | 18.145  |    | 4.62  | 4.62 | 3.08 | 3.08 | 171.972 | 230.186 | 0.18  |      |
| 1C | 70-161.922 | 53.990  | -18.851 |    | 4.62  | 4.62 | 3.08 | 3.08 | 104.634 | 234.540 | 0.52  |      |
| 1D | 70-161.922 | 53.990  | 18.145  |    | 4.62  | 4.62 | 3.08 | 3.08 | 104.634 | 230.186 | 0.52  |      |
| 1E | 70-149.079 | 31.650  | -18.851 |    | 4.62  | 4.62 | 3.08 | 3.08 | 161.892 | 243.552 | 0.20  |      |
| 1F | 70-149.079 | 31.650  | 18.145  |    | 4.62  | 4.62 | 3.08 | 3.08 | 161.892 | 239.464 | 0.20  |      |
| 1G | 70-149.079 | 53.990  | -18.851 |    | 4.62  | 4.62 | 3.08 | 3.08 | 97.475  | 243.552 | 0.55  |      |
| 1H | 70-149.079 | 53.990  | 18.145  |    | 4.62  | 4.62 | 3.08 | 3.08 | 97.475  | 239.464 | 0.55  |      |
| 1I | 70-162.236 | 21.151  | -9.234  |    | 4.62  | 4.62 | 3.08 | 3.08 | 193.639 | 147.262 | 0.11  |      |
| 1J | 70-162.236 | 21.151  | 8.528   |    | 4.62  | 4.62 | 3.08 | 3.08 | 193.639 | 138.107 | 0.11  |      |
| 1K | 70-162.236 | 64.489  | -9.234  |    | 4.62  | 4.62 | 3.08 | 3.08 | 90.845  | 147.262 | 0.71  |      |
| 1L | 70-162.236 | 64.489  | 8.528   |    | 4.62  | 4.62 | 3.08 | 3.08 | 90.845  | 138.107 | 0.71  |      |
| 1M | 70-148.764 | 21.151  | -9.234  |    | 4.62  | 4.62 | 3.08 | 3.08 | 193.336 | 157.335 | 0.11  |      |
| 1N | 70-148.764 | 21.151  | 8.528   |    | 4.62  | 4.62 | 3.08 | 3.08 | 193.336 | 147.914 | 0.11  |      |
| 1O | 70-148.764 | 64.489  | -9.234  |    | 4.62  | 4.62 | 3.08 | 3.08 | 85.770  | 157.335 | 0.75  |      |
| 1P | 70-148.764 | 64.489  | 8.528   |    | 4.62  | 4.62 | 3.08 | 3.08 | 85.770  | 147.914 | 0.75  |      |

ASTA NUM. 7 NI 99 NF 133 SEZ. Rp B= 0.600 H= 0.400 (pilastro)

PIL. NUM. 11

Copriferro: 3.0 cm



| NC | x          | Fx      | My      | Mz   | APOST | AANT | AINF | ASUP    | My.Res. | Mz.Res. | I.R.  | Note |
|----|------------|---------|---------|------|-------|------|------|---------|---------|---------|-------|------|
|    | cm         | kN      | kN*m    |      |       | cmq  |      |         | kN*m    |         | Fx, M |      |
| 1A | 0-231.483  | -0.053  | 27.390  | 3.08 | 3.08  | 4.62 | 4.62 | 0.426   | 189.748 | 0.14    |       |      |
| 1B | 0-231.483  | -0.053  | -20.368 | 3.08 | 3.08  | 4.62 | 4.62 | 0.426   | 169.112 | 0.12    |       |      |
| 1C | 0-231.483  | -20.525 | 27.390  | 3.08 | 3.08  | 4.62 | 4.62 | 201.795 | 189.748 | 0.14    |       |      |
| 1D | 0-231.483  | -20.525 | -20.368 | 3.08 | 3.08  | 4.62 | 4.62 | 201.795 | 169.112 | 0.12    |       |      |
| 1E | 0-210.117  | -0.053  | 27.390  | 3.08 | 3.08  | 4.62 | 4.62 | 0.500   | 193.638 | 0.14    |       |      |
| 1F | 0-210.117  | -0.053  | -20.368 | 3.08 | 3.08  | 4.62 | 4.62 | 0.500   | 176.467 | 0.12    |       |      |
| 1G | 0-210.117  | -20.525 | 27.390  | 3.08 | 3.08  | 4.62 | 4.62 | 213.782 | 193.638 | 0.14    |       |      |
| 1H | 0-210.117  | -20.525 | -20.368 | 3.08 | 3.08  | 4.62 | 4.62 | 213.782 | 176.467 | 0.12    |       |      |
| 1I | 0-232.129  | 6.650   | 17.163  | 3.08 | 3.08  | 4.62 | 4.62 | 82.414  | 154.788 | 0.11    |       |      |
| 1J | 0-232.129  | 6.650   | -10.141 | 3.08 | 3.08  | 4.62 | 4.62 | 82.414  | 109.418 | 0.09    |       |      |
| 1K | 0-232.129  | -27.228 | 17.163  | 3.08 | 3.08  | 4.62 | 4.62 | 235.381 | 154.788 | 0.12    |       |      |
| 1L | 0-232.129  | -27.228 | -10.141 | 3.08 | 3.08  | 4.62 | 4.62 | 235.381 | 109.418 | 0.12    |       |      |
| 1M | 0-209.471  | 6.650   | 17.163  | 3.08 | 3.08  | 4.62 | 4.62 | 90.280  | 163.388 | 0.11    |       |      |
| 1N | 0-209.471  | 6.650   | -10.141 | 3.08 | 3.08  | 4.62 | 4.62 | 90.280  | 118.010 | 0.09    |       |      |
| 1O | 0-209.471  | -27.228 | 17.163  | 3.08 | 3.08  | 4.62 | 4.62 | 246.413 | 163.388 | 0.11    |       |      |
| 1P | 0-209.471  | -27.228 | -10.141 | 3.08 | 3.08  | 4.62 | 4.62 | 246.413 | 118.010 | 0.11    |       |      |
| 1A | 2-231.337  | -3.413  | 27.363  | 3.08 | 3.08  | 4.62 | 4.62 | 44.774  | 189.727 | 0.14    |       |      |
| 1B | 2-231.337  | -3.413  | -17.640 | 3.08 | 3.08  | 4.62 | 4.62 | 44.774  | 157.406 | 0.11    |       |      |
| 1C | 2-231.337  | -22.207 | 27.363  | 3.08 | 3.08  | 4.62 | 4.62 | 211.639 | 189.727 | 0.14    |       |      |
| 1D | 2-231.337  | -22.207 | -17.640 | 3.08 | 3.08  | 4.62 | 4.62 | 211.639 | 157.406 | 0.11    |       |      |
| 1E | 2-209.970  | -3.413  | 27.363  | 3.08 | 3.08  | 4.62 | 4.62 | 49.099  | 193.635 | 0.14    |       |      |
| 1F | 2-209.970  | -3.413  | -17.640 | 3.08 | 3.08  | 4.62 | 4.62 | 49.099  | 165.424 | 0.11    |       |      |
| 1G | 2-209.970  | -22.207 | 27.363  | 3.08 | 3.08  | 4.62 | 4.62 | 223.400 | 193.635 | 0.14    |       |      |
| 1H | 2-209.970  | -22.207 | -17.640 | 3.08 | 3.08  | 4.62 | 4.62 | 223.400 | 165.424 | 0.11    |       |      |
| 1I | 2-231.982  | 2.504   | 17.640  | 3.08 | 3.08  | 4.62 | 4.62 | 33.222  | 157.171 | 0.11    |       |      |
| 1J | 2-231.982  | 2.504   | -7.917  | 3.08 | 3.08  | 4.62 | 4.62 | 33.222  | 90.068  | 0.09    |       |      |
| 1K | 2-231.982  | -28.124 | 17.640  | 3.08 | 3.08  | 4.62 | 4.62 | 239.031 | 157.171 | 0.12    |       |      |
| 1L | 2-231.982  | -28.124 | -7.917  | 3.08 | 3.08  | 4.62 | 4.62 | 239.031 | 90.068  | 0.12    |       |      |
| 1M | 2-209.325  | 2.504   | 17.640  | 3.08 | 3.08  | 4.62 | 4.62 | 36.722  | 165.673 | 0.11    |       |      |
| 1N | 2-209.325  | 2.504   | -7.917  | 3.08 | 3.08  | 4.62 | 4.62 | 36.722  | 97.879  | 0.08    |       |      |
| 1O | 2-209.325  | -28.124 | 17.640  | 3.08 | 3.08  | 4.62 | 4.62 | 249.743 | 165.673 | 0.11    |       |      |
| 1P | 2-209.325  | -28.124 | -7.917  | 3.08 | 3.08  | 4.62 | 4.62 | 249.743 | 97.879  | 0.11    |       |      |
| 1A | 5-231.190  | -3.411  | 25.535  | 3.08 | 3.08  | 4.62 | 4.62 | 44.785  | 185.467 | 0.14    |       |      |
| 1B | 5-231.190  | -3.411  | -16.713 | 3.08 | 3.08  | 4.62 | 4.62 | 44.785  | 152.857 | 0.11    |       |      |
| 1C | 5-231.190  | -20.529 | 25.535  | 3.08 | 3.08  | 4.62 | 4.62 | 201.975 | 185.467 | 0.14    |       |      |
| 1D | 5-231.190  | -20.529 | -16.713 | 3.08 | 3.08  | 4.62 | 4.62 | 201.975 | 152.857 | 0.11    |       |      |
| 1E | 5-209.824  | -3.411  | 25.535  | 3.08 | 3.08  | 4.62 | 4.62 | 49.114  | 191.402 | 0.13    |       |      |
| 1F | 5-209.824  | -3.411  | -16.713 | 3.08 | 3.08  | 4.62 | 4.62 | 49.114  | 161.058 | 0.10    |       |      |
| 1G | 5-209.824  | -20.529 | 25.535  | 3.08 | 3.08  | 4.62 | 4.62 | 213.975 | 191.402 | 0.13    |       |      |
| 1H | 5-209.824  | -20.529 | -16.713 | 3.08 | 3.08  | 4.62 | 4.62 | 213.975 | 161.058 | 0.10    |       |      |
| 1I | 5-231.836  | 1.718   | 16.316  | 3.08 | 3.08  | 4.62 | 4.62 | 23.128  | 150.546 | 0.11    |       |      |
| 1J | 5-231.836  | 1.718   | -7.493  | 3.08 | 3.08  | 4.62 | 4.62 | 23.128  | 86.126  | 0.09    |       |      |
| 1K | 5-231.836  | -25.658 | 16.316  | 3.08 | 3.08  | 4.62 | 4.62 | 228.743 | 150.546 | 0.11    |       |      |
| 1L | 5-231.836  | -25.658 | -7.493  | 3.08 | 3.08  | 4.62 | 4.62 | 228.743 | 86.126  | 0.11    |       |      |
| 1M | 5-209.179  | 1.718   | 16.316  | 3.08 | 3.08  | 4.62 | 4.62 | 25.498  | 159.313 | 0.10    |       |      |
| 1N | 5-209.179  | 1.718   | -7.493  | 3.08 | 3.08  | 4.62 | 4.62 | 25.498  | 93.698  | 0.08    |       |      |
| 1O | 5-209.179  | -25.658 | 16.316  | 3.08 | 3.08  | 4.62 | 4.62 | 240.305 | 159.313 | 0.11    |       |      |
| 1P | 5-209.179  | -25.658 | -7.493  | 3.08 | 3.08  | 4.62 | 4.62 | 240.305 | 93.698  | 0.11    |       |      |
| 1A | 65-227.676 | -3.380  | -18.332 | 3.08 | 3.08  | 4.62 | 4.62 | 45.042  | 161.954 | 0.11    |       |      |
| 1B | 65-227.676 | -3.380  | 5.539   | 3.08 | 3.08  | 4.62 | 4.62 | 45.042  | 67.835  | 0.09    |       |      |
| 1C | 65-227.676 | 19.760  | -18.332 | 3.08 | 3.08  | 4.62 | 4.62 | 199.121 | 161.954 | 0.11    |       |      |
| 1D | 65-227.676 | 19.760  | 5.539   | 3.08 | 3.08  | 4.62 | 4.62 | 199.121 | 67.835  | 0.10    |       |      |
| 1E | 65-206.310 | -3.380  | -18.332 | 3.08 | 3.08  | 4.62 | 4.62 | 49.466  | 169.880 | 0.11    |       |      |
| 1F | 65-206.310 | -3.380  | 5.539   | 3.08 | 3.08  | 4.62 | 4.62 | 49.466  | 73.836  | 0.08    |       |      |
| 1G | 65-206.310 | 19.760  | -18.332 | 3.08 | 3.08  | 4.62 | 4.62 | 211.358 | 169.880 | 0.11    |       |      |
| 1H | 65-206.310 | 19.760  | 5.539   | 3.08 | 3.08  | 4.62 | 4.62 | 211.358 | 73.836  | 0.09    |       |      |
| 1I | 65-228.321 | -17.131 | -15.458 | 3.08 | 3.08  | 4.62 | 4.62 | 180.679 | 147.185 | 0.10    |       |      |
| 1J | 65-228.321 | -17.131 | 2.665   | 3.08 | 3.08  | 4.62 | 4.62 | 180.679 | 34.992  | 0.09    |       |      |
| 1K | 65-228.321 | 33.511  | -15.458 | 3.08 | 3.08  | 4.62 | 4.62 | 258.037 | 147.185 | 0.13    |       |      |
| 1L | 65-228.321 | 33.511  | 2.665   | 3.08 | 3.08  | 4.62 | 4.62 | 258.037 | 34.992  | 0.13    |       |      |
| 1M | 65-205.664 | -17.131 | -15.458 | 3.08 | 3.08  | 4.62 | 4.62 | 193.934 | 156.186 | 0.10    |       |      |
| 1N | 65-205.664 | -17.131 | 2.665   | 3.08 | 3.08  | 4.62 | 4.62 | 193.934 | 38.610  | 0.09    |       |      |
| 1O | 65-205.664 | 33.511  | -15.458 | 3.08 | 3.08  | 4.62 | 4.62 | 266.612 | 156.186 | 0.13    |       |      |
| 1P | 65-205.664 | 33.511  | 2.665   | 3.08 | 3.08  | 4.62 | 4.62 | 266.612 | 38.610  | 0.13    |       |      |
| 1A | 70-227.383 | -6.738  | -20.187 | 3.08 | 3.08  | 4.62 | 4.62 | 84.935  | 169.811 | 0.12    |       |      |
| 1B | 70-227.383 | -6.738  | 9.194   | 3.08 | 3.08  | 4.62 | 4.62 | 84.935  | 103.105 | 0.09    |       |      |
| 1C | 70-227.383 | 19.756  | -20.187 | 3.08 | 3.08  | 4.62 | 4.62 | 199.258 | 169.811 | 0.12    |       |      |
| 1D | 70-227.383 | 19.756  | 9.194   | 3.08 | 3.08  | 4.62 | 4.62 | 199.258 | 103.105 | 0.10    |       |      |
| 1E | 70-206.017 | -6.738  | -20.187 | 3.08 | 3.08  | 4.62 | 4.62 | 92.670  | 177.251 | 0.11    |       |      |
| 1F | 70-206.017 | -6.738  | 9.194   | 3.08 | 3.08  | 4.62 | 4.62 | 92.670  | 111.183 | 0.08    |       |      |
| 1G | 70-206.017 | 19.756  | -20.187 | 3.08 | 3.08  | 4.62 | 4.62 | 211.510 | 177.251 | 0.11    |       |      |
| 1H | 70-206.017 | 19.756  | 9.194   | 3.08 | 3.08  | 4.62 | 4.62 | 211.510 | 111.183 | 0.09    |       |      |
| 1I | 70-228.029 | -22.062 | -16.305 | 3.08 | 3.08  | 4.62 | 4.62 | 212.605 | 151.917 | 0.11    |       |      |
| 1J | 70-228.029 | -22.062 | 5.313   | 3.08 | 3.08  | 4.62 | 4.62 | 212.605 | 65.326  | 0.10    |       |      |
| 1K | 70-228.029 | 35.080  | -16.305 | 3.08 | 3.08  | 4.62 | 4.62 | 262.069 | 151.917 | 0.13    |       |      |
| 1L | 70-228.029 | 35.080  | 5.313   | 3.08 | 3.08  | 4.62 | 4.62 | 262.069 | 65.326  | 0.13    |       |      |
| 1M | 70-205.372 | -22.062 | -16.305 | 3.08 | 3.08  | 4.62 | 4.62 | 225.250 | 160.788 | 0.10    |       |      |
| 1N | 70-205.372 | -22.062 | 5.313   | 3.08 | 3.08  | 4.62 | 4.62 | 225.250 | 71.528  | 0.10    |       |      |
| 1O | 70-205.372 | 35.080  | -16.305 | 3.08 | 3.08  | 4.62 | 4.62 | 268.037 | 160.788 | 0.13    |       |      |
| 1P | 70-205.372 | 35.080  | 5.313   | 3.08 | 3.08  | 4.62 | 4.62 | 268.037 | 71.528  | 0.13    |       |      |

ASTA NUM. 8 NI 115 NF 136 SEZ. Rp B= 0.600 H= 0.300 (pilastro)

PIL. NUM. 12

Copriferro: 3.0 cm

| NC | x  | Fx      | My     | Mz    | APOST | AANT | AINF | ASUP | My.Res. | Mz.Res. | I.R.  | Note |
|----|----|---------|--------|-------|-------|------|------|------|---------|---------|-------|------|
|    | cm | kN      | kN*m   |       |       | cmq  |      |      | kN*m    |         | Fx, M |      |
| 1A | 0  | -97.170 | 32.314 | 5.610 | 3.08  | 3.08 | 4.62 | 4.62 | 189.363 | 91.679  | 0.17  |      |

|    |   |          |        |        |      |      |      |      |         |         |      |
|----|---|----------|--------|--------|------|------|------|------|---------|---------|------|
| 1B | 0 | -97.170  | 32.314 | -7.706 | 3.08 | 3.08 | 4.62 | 4.62 | 189.363 | 106.270 | 0.17 |
| 1C | 0 | -97.170  | 9.446  | 5.610  | 3.08 | 3.08 | 4.62 | 4.62 | 165.688 | 91.679  | 0.06 |
| 1D | 0 | -97.170  | 9.446  | -7.706 | 3.08 | 3.08 | 4.62 | 4.62 | 165.688 | 106.270 | 0.07 |
| 1E | 0 | -70.590  | 32.314 | 5.610  | 3.08 | 3.08 | 4.62 | 4.62 | 158.409 | 106.355 | 0.20 |
| 1F | 0 | -70.590  | 32.314 | -7.706 | 3.08 | 3.08 | 4.62 | 4.62 | 158.409 | 116.115 | 0.20 |
| 1G | 0 | -70.590  | 9.446  | 5.610  | 3.08 | 3.08 | 4.62 | 4.62 | 194.840 | 106.355 | 0.05 |
| 1H | 0 | -70.590  | 9.446  | -7.706 | 3.08 | 3.08 | 4.62 | 4.62 | 194.840 | 116.115 | 0.07 |
| 1I | 0 | -103.947 | 39.462 | 2.526  | 3.08 | 3.08 | 4.62 | 4.62 | 178.063 | 49.927  | 0.22 |
| 1J | 0 | -103.947 | 39.462 | -4.623 | 3.08 | 3.08 | 4.62 | 4.62 | 178.063 | 78.463  | 0.22 |
| 1K | 0 | -103.947 | 2.298  | 2.526  | 3.08 | 3.08 | 4.62 | 4.62 | 50.484  | 49.927  | 0.05 |
| 1L | 0 | -103.947 | 2.298  | -4.623 | 3.08 | 3.08 | 4.62 | 4.62 | 50.484  | 78.463  | 0.06 |
| 1M | 0 | -63.813  | 39.462 | 2.526  | 3.08 | 3.08 | 4.62 | 4.62 | 132.036 | 72.569  | 0.30 |
| 1N | 0 | -63.813  | 39.462 | -4.623 | 3.08 | 3.08 | 4.62 | 4.62 | 132.036 | 102.387 | 0.30 |
| 1O | 0 | -63.813  | 2.298  | 2.526  | 3.08 | 3.08 | 4.62 | 4.62 | 77.849  | 72.569  | 0.03 |
| 1P | 0 | -63.813  | 2.298  | -4.623 | 3.08 | 3.08 | 4.62 | 4.62 | 77.849  | 102.387 | 0.05 |

|    |   |          |        |        |      |      |      |      |         |         |      |
|----|---|----------|--------|--------|------|------|------|------|---------|---------|------|
| 1A | 2 | -97.060  | 39.755 | 4.702  | 3.08 | 3.08 | 4.62 | 4.62 | 169.928 | 82.831  | 0.23 |
| 1B | 2 | -97.060  | 39.755 | -8.015 | 3.08 | 3.08 | 4.62 | 4.62 | 169.928 | 107.917 | 0.23 |
| 1C | 2 | -97.060  | 18.669 | 4.702  | 3.08 | 3.08 | 4.62 | 4.62 | 214.716 | 82.831  | 0.09 |
| 1D | 2 | -97.060  | 18.669 | -8.015 | 3.08 | 3.08 | 4.62 | 4.62 | 214.716 | 107.917 | 0.09 |
| 1E | 2 | -70.480  | 39.755 | 4.702  | 3.08 | 3.08 | 4.62 | 4.62 | 139.048 | 98.645  | 0.29 |
| 1F | 2 | -70.480  | 39.755 | -8.015 | 3.08 | 3.08 | 4.62 | 4.62 | 139.048 | 115.877 | 0.29 |
| 1G | 2 | -70.480  | 18.669 | 4.702  | 3.08 | 3.08 | 4.62 | 4.62 | 203.565 | 98.645  | 0.09 |
| 1H | 2 | -70.480  | 18.669 | -8.015 | 3.08 | 3.08 | 4.62 | 4.62 | 203.565 | 115.877 | 0.09 |
| 1I | 2 | -103.836 | 46.322 | 1.736  | 3.08 | 3.08 | 4.62 | 4.62 | 161.008 | 36.374  | 0.29 |
| 1J | 2 | -103.836 | 46.322 | -5.049 | 3.08 | 3.08 | 4.62 | 4.62 | 161.008 | 83.021  | 0.29 |
| 1K | 2 | -103.836 | 12.103 | 1.736  | 3.08 | 3.08 | 4.62 | 4.62 | 182.828 | 36.374  | 0.07 |
| 1L | 2 | -103.836 | 12.103 | -5.049 | 3.08 | 3.08 | 4.62 | 4.62 | 182.828 | 83.021  | 0.07 |
| 1M | 2 | -63.703  | 46.322 | 1.736  | 3.08 | 3.08 | 4.62 | 4.62 | 121.750 | 54.834  | 0.38 |
| 1N | 2 | -63.703  | 46.322 | -5.049 | 3.08 | 3.08 | 4.62 | 4.62 | 121.750 | 106.247 | 0.38 |
| 1O | 2 | -63.703  | 12.103 | 1.736  | 3.08 | 3.08 | 4.62 | 4.62 | 214.700 | 54.834  | 0.06 |
| 1P | 2 | -63.703  | 12.103 | -5.049 | 3.08 | 3.08 | 4.62 | 4.62 | 214.700 | 106.247 | 0.06 |

|    |   |          |        |        |      |      |      |      |         |         |      |
|----|---|----------|--------|--------|------|------|------|------|---------|---------|------|
| 1A | 5 | -96.949  | 36.086 | 4.605  | 3.08 | 3.08 | 4.62 | 4.62 | 180.182 | 81.827  | 0.20 |
| 1B | 5 | -96.949  | 36.086 | -7.512 | 3.08 | 3.08 | 4.62 | 4.62 | 180.182 | 105.301 | 0.20 |
| 1C | 5 | -96.949  | 16.783 | 4.605  | 3.08 | 3.08 | 4.62 | 4.62 | 213.343 | 81.827  | 0.08 |
| 1D | 5 | -96.949  | 16.783 | -7.512 | 3.08 | 3.08 | 4.62 | 4.62 | 213.343 | 105.301 | 0.08 |
| 1E | 5 | -70.369  | 36.086 | 4.605  | 3.08 | 3.08 | 4.62 | 4.62 | 147.297 | 97.744  | 0.24 |
| 1F | 5 | -70.369  | 36.086 | -7.512 | 3.08 | 3.08 | 4.62 | 4.62 | 147.297 | 116.128 | 0.24 |
| 1G | 5 | -70.369  | 16.783 | 4.605  | 3.08 | 3.08 | 4.62 | 4.62 | 209.238 | 97.744  | 0.08 |
| 1H | 5 | -70.369  | 16.783 | -7.512 | 3.08 | 3.08 | 4.62 | 4.62 | 209.238 | 116.128 | 0.08 |
| 1I | 5 | -103.726 | 42.072 | 1.758  | 3.08 | 3.08 | 4.62 | 4.62 | 170.969 | 36.796  | 0.25 |
| 1J | 5 | -103.726 | 42.072 | -4.665 | 3.08 | 3.08 | 4.62 | 4.62 | 170.969 | 79.035  | 0.25 |
| 1K | 5 | -103.726 | 10.797 | 1.758  | 3.08 | 3.08 | 4.62 | 4.62 | 172.274 | 36.796  | 0.06 |
| 1L | 5 | -103.726 | 10.797 | -4.665 | 3.08 | 3.08 | 4.62 | 4.62 | 172.274 | 79.035  | 0.06 |
| 1M | 5 | -63.593  | 42.072 | 1.758  | 3.08 | 3.08 | 4.62 | 4.62 | 127.448 | 55.446  | 0.33 |
| 1N | 5 | -63.593  | 42.072 | -4.665 | 3.08 | 3.08 | 4.62 | 4.62 | 127.448 | 102.941 | 0.33 |
| 1O | 5 | -63.593  | 10.797 | 1.758  | 3.08 | 3.08 | 4.62 | 4.62 | 212.377 | 55.446  | 0.05 |
| 1P | 5 | -63.593  | 10.797 | -4.665 | 3.08 | 3.08 | 4.62 | 4.62 | 212.377 | 102.941 | 0.05 |

|    |    |          |         |       |      |      |      |      |         |         |      |
|----|----|----------|---------|-------|------|------|------|------|---------|---------|------|
| 1A | 65 | -94.301  | -51.970 | 2.281 | 3.08 | 3.08 | 4.62 | 4.62 | 140.966 | 49.727  | 0.37 |
| 1B | 65 | -94.301  | -51.970 | 4.541 | 3.08 | 3.08 | 4.62 | 4.62 | 140.966 | 82.519  | 0.37 |
| 1C | 65 | -94.301  | -28.499 | 2.281 | 3.08 | 3.08 | 4.62 | 4.62 | 195.339 | 49.727  | 0.15 |
| 1D | 65 | -94.301  | -28.499 | 4.541 | 3.08 | 3.08 | 4.62 | 4.62 | 195.339 | 82.519  | 0.15 |
| 1E | 65 | -67.721  | -51.970 | 2.281 | 3.08 | 3.08 | 4.62 | 4.62 | 118.695 | 64.608  | 0.44 |
| 1F | 65 | -67.721  | -51.970 | 4.541 | 3.08 | 3.08 | 4.62 | 4.62 | 118.695 | 98.877  | 0.44 |
| 1G | 65 | -67.721  | -28.499 | 2.281 | 3.08 | 3.08 | 4.62 | 4.62 | 167.056 | 64.608  | 0.17 |
| 1H | 65 | -67.721  | -28.499 | 4.541 | 3.08 | 3.08 | 4.62 | 4.62 | 167.056 | 98.877  | 0.17 |
| 1I | 65 | -101.077 | -59.928 | 2.263 | 3.08 | 3.08 | 4.62 | 4.62 | 135.135 | 46.626  | 0.44 |
| 1J | 65 | -101.077 | -59.928 | 4.558 | 3.08 | 3.08 | 4.62 | 4.62 | 135.135 | 79.173  | 0.44 |
| 1K | 65 | -101.077 | -20.541 | 2.263 | 3.08 | 3.08 | 4.62 | 4.62 | 214.322 | 46.626  | 0.10 |
| 1L | 65 | -101.077 | -20.541 | 4.558 | 3.08 | 3.08 | 4.62 | 4.62 | 214.322 | 79.173  | 0.10 |
| 1M | 65 | -60.944  | -59.928 | 2.263 | 3.08 | 3.08 | 4.62 | 4.62 | 107.563 | 69.380  | 0.56 |
| 1N | 65 | -60.944  | -59.928 | 4.558 | 3.08 | 3.08 | 4.62 | 4.62 | 107.563 | 103.786 | 0.56 |
| 1O | 65 | -60.944  | -20.541 | 2.263 | 3.08 | 3.08 | 4.62 | 4.62 | 188.551 | 69.380  | 0.11 |
| 1P | 65 | -60.944  | -20.541 | 4.558 | 3.08 | 3.08 | 4.62 | 4.62 | 188.551 | 103.786 | 0.11 |

|    |    |          |         |       |      |      |      |      |         |         |      |
|----|----|----------|---------|-------|------|------|------|------|---------|---------|------|
| 1A | 70 | -94.080  | -48.198 | 1.276 | 3.08 | 3.08 | 4.62 | 4.62 | 147.387 | 30.273  | 0.33 |
| 1B | 70 | -94.080  | -48.198 | 4.734 | 3.08 | 3.08 | 4.62 | 4.62 | 147.387 | 84.766  | 0.33 |
| 1C | 70 | -94.080  | -21.162 | 1.276 | 3.08 | 3.08 | 4.62 | 4.62 | 211.714 | 30.273  | 0.10 |
| 1D | 70 | -94.080  | -21.162 | 4.734 | 3.08 | 3.08 | 4.62 | 4.62 | 211.714 | 84.766  | 0.10 |
| 1E | 70 | -67.500  | -48.198 | 1.276 | 3.08 | 3.08 | 4.62 | 4.62 | 122.785 | 40.476  | 0.39 |
| 1F | 70 | -67.500  | -48.198 | 4.734 | 3.08 | 3.08 | 4.62 | 4.62 | 122.785 | 100.941 | 0.39 |
| 1G | 70 | -67.500  | -21.162 | 1.276 | 3.08 | 3.08 | 4.62 | 4.62 | 193.017 | 40.476  | 0.11 |
| 1H | 70 | -67.500  | -21.162 | 4.734 | 3.08 | 3.08 | 4.62 | 4.62 | 193.017 | 100.941 | 0.11 |
| 1I | 70 | -100.857 | -57.318 | 1.495 | 3.08 | 3.08 | 4.62 | 4.62 | 138.442 | 32.665  | 0.41 |
| 1J | 70 | -100.857 | -57.318 | 4.516 | 3.08 | 3.08 | 4.62 | 4.62 | 138.442 | 78.810  | 0.41 |
| 1K | 70 | -100.857 | -12.042 | 1.495 | 3.08 | 3.08 | 4.62 | 4.62 | 185.006 | 32.665  | 0.07 |
| 1L | 70 | -100.857 | -12.042 | 4.516 | 3.08 | 3.08 | 4.62 | 4.62 | 185.006 | 78.810  | 0.07 |
| 1M | 70 | -60.723  | -57.318 | 1.495 | 3.08 | 3.08 | 4.62 | 4.62 | 109.105 | 50.453  | 0.53 |
| 1N | 70 | -60.723  | -57.318 | 4.516 | 3.08 | 3.08 | 4.62 | 4.62 | 109.105 | 103.539 | 0.53 |
| 1O | 70 | -60.723  | -12.042 | 1.495 | 3.08 | 3.08 | 4.62 | 4.62 | 214.590 | 50.453  | 0.06 |
| 1P | 70 | -60.723  | -12.042 | 4.516 | 3.08 | 3.08 | 4.62 | 4.62 | 214.590 | 103.539 | 0.06 |

ASTA NUM. 9 NI 118 NF 140 SEZ. Rp B= 0.600 H= 0.300 (pilastro)

PIL. NUM. 25

Copriferro: 3.0 cm

| NC | x  | Fx       | My      | Mz     | APOST | AANT | AINF | ASUP | My.Res. | Mz.Res. | I.R.  | Note |
|----|----|----------|---------|--------|-------|------|------|------|---------|---------|-------|------|
|    | cm | kN       | kN*m    |        |       | cmq  |      |      | kN*m    |         | Fx, M |      |
| 1A | 0  | -100.404 | -3.585  | 8.651  | 3.08  | 3.08 | 4.62 | 4.62 | 77.265  | 109.588 | 0.08  |      |
| 1B | 0  | -100.404 | -3.585  | -6.685 | 3.08  | 3.08 | 4.62 | 4.62 | 77.265  | 98.548  | 0.07  |      |
| 1C | 0  | -100.404 | -27.595 | 8.651  | 3.08  | 3.08 | 4.62 | 4.62 | 201.327 | 109.588 | 0.14  |      |
| 1D | 0  | -100.404 | -27.595 | -6.685 | 3.08  | 3.08 | 4.62 | 4.62 | 201.327 | 98.548  | 0.14  |      |
| 1E | 0  | -69.936  | -3.585  | 8.651  | 3.08  | 3.08 | 4.62 | 4.62 | 104.705 | 114.480 | 0.08  |      |
| 1F | 0  | -69.936  | -3.585  | -6.685 | 3.08  | 3.08 | 4.62 | 4.62 | 104.705 | 113.409 | 0.06  |      |

|    |    |          |         |        |      |      |      |      |         |         |      |
|----|----|----------|---------|--------|------|------|------|------|---------|---------|------|
| 1G | 0  | -69.936  | -27.595 | 8.651  | 3.08 | 3.08 | 4.62 | 4.62 | 173.917 | 114.480 | 0.16 |
| 1H | 0  | -69.936  | -27.595 | -6.685 | 3.08 | 3.08 | 4.62 | 4.62 | 173.917 | 113.409 | 0.16 |
| 1I | 0  | -116.449 | 7.504   | 4.550  | 3.08 | 3.08 | 4.62 | 4.62 | 125.360 | 71.914  | 0.06 |
| 1J | 0  | -116.449 | 7.504   | -2.584 | 3.08 | 3.08 | 4.62 | 4.62 | 125.360 | 46.270  | 0.06 |
| 1K | 0  | -116.449 | -38.684 | 4.550  | 3.08 | 3.08 | 4.62 | 4.62 | 189.429 | 71.914  | 0.20 |
| 1L | 0  | -116.449 | -38.684 | -2.584 | 3.08 | 3.08 | 4.62 | 4.62 | 189.429 | 46.270  | 0.20 |
| 1M | 0  | -53.891  | 7.504   | 4.550  | 3.08 | 3.08 | 4.62 | 4.62 | 198.068 | 108.799 | 0.04 |
| 1N | 0  | -53.891  | 7.504   | -2.584 | 3.08 | 3.08 | 4.62 | 4.62 | 198.068 | 82.303  | 0.04 |
| 1O | 0  | -53.891  | -38.684 | 4.550  | 3.08 | 3.08 | 4.62 | 4.62 | 122.483 | 108.799 | 0.32 |
| 1P | 0  | -53.891  | -38.684 | -2.584 | 3.08 | 3.08 | 4.62 | 4.62 | 122.483 | 82.303  | 0.32 |
| 1A | 2  | -100.294 | -11.237 | 8.913  | 3.08 | 3.08 | 4.62 | 4.62 | 179.200 | 110.769 | 0.08 |
| 1B | 2  | -100.294 | -11.237 | -5.723 | 3.08 | 3.08 | 4.62 | 4.62 | 179.200 | 91.104  | 0.06 |
| 1C | 2  | -100.294 | -33.338 | 8.913  | 3.08 | 3.08 | 4.62 | 4.62 | 189.390 | 110.769 | 0.18 |
| 1D | 2  | -100.294 | -33.338 | -5.723 | 3.08 | 3.08 | 4.62 | 4.62 | 189.390 | 91.104  | 0.18 |
| 1E | 2  | -69.826  | -11.237 | 8.913  | 3.08 | 3.08 | 4.62 | 4.62 | 208.822 | 113.629 | 0.08 |
| 1F | 2  | -69.826  | -11.237 | -5.723 | 3.08 | 3.08 | 4.62 | 4.62 | 208.822 | 107.619 | 0.05 |
| 1G | 2  | -69.826  | -33.338 | 8.913  | 3.08 | 3.08 | 4.62 | 4.62 | 154.133 | 113.629 | 0.22 |
| 1H | 2  | -69.826  | -33.338 | -5.723 | 3.08 | 3.08 | 4.62 | 4.62 | 154.133 | 107.619 | 0.22 |
| 1I | 2  | -116.338 | -1.062  | 4.981  | 3.08 | 3.08 | 4.62 | 4.62 | 21.894  | 76.530  | 0.07 |
| 1J | 2  | -116.338 | -1.062  | -1.791 | 3.08 | 3.08 | 4.62 | 4.62 | 21.894  | 33.797  | 0.06 |
| 1K | 2  | -116.338 | -43.513 | 4.981  | 3.08 | 3.08 | 4.62 | 4.62 | 179.655 | 76.530  | 0.24 |
| 1L | 2  | -116.338 | -43.513 | -1.791 | 3.08 | 3.08 | 4.62 | 4.62 | 179.655 | 33.797  | 0.24 |
| 1M | 2  | -53.781  | -1.062  | 4.981  | 3.08 | 3.08 | 4.62 | 4.62 | 45.456  | 112.287 | 0.04 |
| 1N | 2  | -53.781  | -1.062  | -1.791 | 3.08 | 3.08 | 4.62 | 4.62 | 45.456  | 64.064  | 0.03 |
| 1O | 2  | -53.781  | -43.513 | 4.981  | 3.08 | 3.08 | 4.62 | 4.62 | 115.922 | 112.287 | 0.38 |
| 1P | 2  | -53.781  | -43.513 | -1.791 | 3.08 | 3.08 | 4.62 | 4.62 | 115.922 | 64.064  | 0.38 |
| 1A | 5  | -100.183 | -9.958  | 8.360  | 3.08 | 3.08 | 4.62 | 4.62 | 167.846 | 108.337 | 0.08 |
| 1B | 5  | -100.183 | -9.958  | -5.578 | 3.08 | 3.08 | 4.62 | 4.62 | 167.846 | 89.877  | 0.06 |
| 1C | 5  | -100.183 | -30.152 | 8.360  | 3.08 | 3.08 | 4.62 | 4.62 | 195.601 | 108.337 | 0.15 |
| 1D | 5  | -100.183 | -30.152 | -5.578 | 3.08 | 3.08 | 4.62 | 4.62 | 195.601 | 89.877  | 0.15 |
| 1E | 5  | -69.715  | -9.958  | 8.360  | 3.08 | 3.08 | 4.62 | 4.62 | 200.085 | 115.136 | 0.07 |
| 1F | 5  | -69.715  | -9.958  | -5.578 | 3.08 | 3.08 | 4.62 | 4.62 | 200.085 | 106.637 | 0.05 |
| 1G | 5  | -69.715  | -30.152 | 8.360  | 3.08 | 3.08 | 4.62 | 4.62 | 164.198 | 115.136 | 0.18 |
| 1H | 5  | -69.715  | -30.152 | -5.578 | 3.08 | 3.08 | 4.62 | 4.62 | 164.198 | 106.637 | 0.18 |
| 1I | 5  | -116.228 | -0.697  | 4.596  | 3.08 | 3.08 | 4.62 | 4.62 | 14.470  | 72.510  | 0.06 |
| 1J | 5  | -116.228 | -0.697  | -1.814 | 3.08 | 3.08 | 4.62 | 4.62 | 14.470  | 34.210  | 0.06 |
| 1K | 5  | -116.228 | -39.413 | 4.596  | 3.08 | 3.08 | 4.62 | 4.62 | 188.186 | 72.510  | 0.21 |
| 1L | 5  | -116.228 | -39.413 | -1.814 | 3.08 | 3.08 | 4.62 | 4.62 | 188.186 | 34.210  | 0.21 |
| 1M | 5  | -53.671  | -0.697  | 4.596  | 3.08 | 3.08 | 4.62 | 4.62 | 30.756  | 109.349 | 0.04 |
| 1N | 5  | -53.671  | -0.697  | -1.814 | 3.08 | 3.08 | 4.62 | 4.62 | 30.756  | 64.770  | 0.03 |
| 1O | 5  | -53.671  | -39.413 | 4.596  | 3.08 | 3.08 | 4.62 | 4.62 | 121.202 | 109.349 | 0.33 |
| 1P | 5  | -53.671  | -39.413 | -1.814 | 3.08 | 3.08 | 4.62 | 4.62 | 121.202 | 64.770  | 0.33 |
| 1A | 65 | -97.535  | 20.721  | -4.915 | 3.08 | 3.08 | 4.62 | 4.62 | 213.467 | 84.841  | 0.10 |
| 1B | 65 | -97.535  | 20.721  | -2.093 | 3.08 | 3.08 | 4.62 | 4.62 | 213.467 | 44.973  | 0.10 |
| 1C | 65 | -97.535  | 46.329  | -4.915 | 3.08 | 3.08 | 4.62 | 4.62 | 154.648 | 84.841  | 0.30 |
| 1D | 65 | -97.535  | 46.329  | -2.093 | 3.08 | 3.08 | 4.62 | 4.62 | 154.648 | 44.973  | 0.30 |
| 1E | 65 | -67.067  | 20.721  | -4.915 | 3.08 | 3.08 | 4.62 | 4.62 | 193.937 | 102.902 | 0.11 |
| 1F | 65 | -67.067  | 20.721  | -2.093 | 3.08 | 3.08 | 4.62 | 4.62 | 193.937 | 60.982  | 0.11 |
| 1G | 65 | -67.067  | 46.329  | -4.915 | 3.08 | 3.08 | 4.62 | 4.62 | 124.743 | 102.902 | 0.37 |
| 1H | 65 | -67.067  | 46.329  | -2.093 | 3.08 | 3.08 | 4.62 | 4.62 | 124.743 | 60.982  | 0.37 |
| 1I | 65 | -113.579 | 8.050   | -4.647 | 3.08 | 3.08 | 4.62 | 4.62 | 134.494 | 74.232  | 0.06 |
| 1J | 65 | -113.579 | 8.050   | -2.361 | 3.08 | 3.08 | 4.62 | 4.62 | 134.494 | 43.772  | 0.06 |
| 1K | 65 | -113.579 | 59.000  | -4.647 | 3.08 | 3.08 | 4.62 | 4.62 | 146.121 | 74.232  | 0.40 |
| 1L | 65 | -113.579 | 59.000  | -2.361 | 3.08 | 3.08 | 4.62 | 4.62 | 146.121 | 43.772  | 0.40 |
| 1M | 65 | -51.022  | 8.050   | -4.647 | 3.08 | 3.08 | 4.62 | 4.62 | 207.451 | 111.680 | 0.04 |
| 1N | 65 | -51.022  | 8.050   | -2.361 | 3.08 | 3.08 | 4.62 | 4.62 | 207.451 | 80.491  | 0.04 |
| 1O | 65 | -51.022  | 59.000  | -4.647 | 3.08 | 3.08 | 4.62 | 4.62 | 102.334 | 111.680 | 0.58 |
| 1P | 65 | -51.022  | 59.000  | -2.361 | 3.08 | 3.08 | 4.62 | 4.62 | 102.334 | 80.491  | 0.58 |
| 1A | 70 | -97.314  | 14.348  | -5.206 | 3.08 | 3.08 | 4.62 | 4.62 | 202.516 | 87.864  | 0.07 |
| 1B | 70 | -97.314  | 14.348  | -0.986 | 3.08 | 3.08 | 4.62 | 4.62 | 202.516 | 23.150  | 0.07 |
| 1C | 70 | -97.314  | 43.772  | -5.206 | 3.08 | 3.08 | 4.62 | 4.62 | 160.171 | 87.864  | 0.27 |
| 1D | 70 | -97.314  | 43.772  | -0.986 | 3.08 | 3.08 | 4.62 | 4.62 | 160.171 | 23.150  | 0.27 |
| 1E | 70 | -66.846  | 14.348  | -5.206 | 3.08 | 3.08 | 4.62 | 4.62 | 213.204 | 105.512 | 0.07 |
| 1F | 70 | -66.846  | 14.348  | -0.986 | 3.08 | 3.08 | 4.62 | 4.62 | 213.204 | 32.542  | 0.07 |
| 1G | 70 | -66.846  | 43.772  | -5.206 | 3.08 | 3.08 | 4.62 | 4.62 | 128.117 | 105.512 | 0.34 |
| 1H | 70 | -66.846  | 43.772  | -0.986 | 3.08 | 3.08 | 4.62 | 4.62 | 128.117 | 32.542  | 0.34 |
| 1I | 70 | -113.359 | -0.151  | -4.602 | 3.08 | 3.08 | 4.62 | 4.62 | 3.107   | 73.831  | 0.06 |
| 1J | 70 | -113.359 | -0.151  | -1.591 | 3.08 | 3.08 | 4.62 | 4.62 | 3.107   | 31.095  | 0.05 |
| 1K | 70 | -113.359 | 58.271  | -4.602 | 3.08 | 3.08 | 4.62 | 4.62 | 147.077 | 73.831  | 0.40 |
| 1L | 70 | -113.359 | 58.271  | -1.591 | 3.08 | 3.08 | 4.62 | 4.62 | 147.077 | 31.095  | 0.40 |
| 1M | 70 | -50.801  | -0.151  | -4.602 | 3.08 | 3.08 | 4.62 | 4.62 | 7.173   | 111.476 | 0.04 |
| 1N | 70 | -50.801  | -0.151  | -1.591 | 3.08 | 3.08 | 4.62 | 4.62 | 7.173   | 61.144  | 0.03 |
| 1O | 70 | -50.801  | 58.271  | -4.602 | 3.08 | 3.08 | 4.62 | 4.62 | 102.565 | 111.476 | 0.57 |
| 1P | 70 | -50.801  | 58.271  | -1.591 | 3.08 | 3.08 | 4.62 | 4.62 | 102.565 | 61.144  | 0.57 |

ASTA NUM. 10 NI 104 NF 138 SEZ. Rp B= 0.600 H= 0.400 (pilastro)

PIL. NUM. 26

Copriferro: 3.0 cm

| NC | x  | Fx       | My     | Mz      | APOST | AANT | AINF | ASUP | My.Res. | Mz.Res. | I.R. | Note |
|----|----|----------|--------|---------|-------|------|------|------|---------|---------|------|------|
|    | cm | kN       | kN*m   |         |       |      |      |      |         | kN*m    | Fx,M |      |
| 1A | 0  | -225.520 | 23.683 | 22.677  | 3.08  | 3.08 | 4.62 | 4.62 | 222.553 | 179.105 | 0.13 |      |
| 1B | 0  | -225.520 | 23.683 | -29.627 | 3.08  | 3.08 | 4.62 | 4.62 | 222.553 | 193.699 | 0.15 |      |
| 1C | 0  | -225.520 | 2.319  | 22.677  | 3.08  | 3.08 | 4.62 | 4.62 | 31.809  | 179.105 | 0.13 |      |
| 1D | 0  | -225.520 | 2.319  | -29.627 | 3.08  | 3.08 | 4.62 | 4.62 | 31.809  | 193.699 | 0.15 |      |
| 1E | 0  | -201.880 | 23.683 | 22.677  | 3.08  | 3.08 | 4.62 | 4.62 | 235.394 | 186.544 | 0.12 |      |
| 1F | 0  | -201.880 | 23.683 | -29.627 | 3.08  | 3.08 | 4.62 | 4.62 | 235.394 | 192.661 | 0.15 |      |
| 1G | 0  | -201.880 | 2.319  | 22.677  | 3.08  | 3.08 | 4.62 | 4.62 | 35.307  | 186.544 | 0.12 |      |
| 1H | 0  | -201.880 | 2.319  | -29.627 | 3.08  | 3.08 | 4.62 | 4.62 | 35.307  | 192.661 | 0.15 |      |
| 1I | 0  | -222.899 | 32.012 | 8.834   | 3.08  | 3.08 | 4.62 | 4.62 | 256.085 | 101.616 | 0.12 |      |
| 1J | 0  | -222.899 | 32.012 | -15.784 | 3.08  | 3.08 | 4.62 | 4.62 | 256.085 | 151.078 | 0.12 |      |
| 1K | 0  | -222.899 | -6.010 | 8.834   | 3.08  | 3.08 | 4.62 | 4.62 | 78.047  | 101.616 | 0.09 |      |

|    |            |         |         |      |      |      |      |         |         |      |
|----|------------|---------|---------|------|------|------|------|---------|---------|------|
| 1L | 0-222.899  | -6.010  | -15.784 | 3.08 | 3.08 | 4.62 | 4.62 | 78.047  | 151.078 | 0.10 |
| 1M | 0-204.501  | 32.012  | 8.834   | 3.08 | 3.08 | 4.62 | 4.62 | 263.487 | 108.493 | 0.12 |
| 1N | 0-204.501  | 32.012  | -15.784 | 3.08 | 3.08 | 4.62 | 4.62 | 263.487 | 158.429 | 0.12 |
| 1O | 0-204.501  | -6.010  | 8.834   | 3.08 | 3.08 | 4.62 | 4.62 | 84.315  | 108.493 | 0.08 |
| 1P | 0-204.501  | -6.010  | -15.784 | 3.08 | 3.08 | 4.62 | 4.62 | 84.315  | 158.429 | 0.10 |
| 1A | 2-225.373  | 25.967  | 19.867  | 3.08 | 3.08 | 4.62 | 4.62 | 233.365 | 169.257 | 0.12 |
| 1B | 2-225.373  | 25.967  | -29.484 | 3.08 | 3.08 | 4.62 | 4.62 | 233.365 | 193.668 | 0.15 |
| 1C | 2-225.373  | 6.319   | 19.867  | 3.08 | 3.08 | 4.62 | 4.62 | 80.834  | 169.257 | 0.12 |
| 1D | 2-225.373  | 6.319   | -29.484 | 3.08 | 3.08 | 4.62 | 4.62 | 80.834  | 193.668 | 0.15 |
| 1E | 2-201.734  | 25.967  | 19.867  | 3.08 | 3.08 | 4.62 | 4.62 | 245.406 | 177.617 | 0.11 |
| 1F | 2-201.734  | 25.967  | -29.484 | 3.08 | 3.08 | 4.62 | 4.62 | 245.406 | 192.766 | 0.15 |
| 1G | 2-201.734  | 6.319   | 19.867  | 3.08 | 3.08 | 4.62 | 4.62 | 89.212  | 177.617 | 0.11 |
| 1H | 2-201.734  | 6.319   | -29.484 | 3.08 | 3.08 | 4.62 | 4.62 | 89.212  | 192.766 | 0.15 |
| 1I | 2-222.752  | 33.395  | 6.771   | 3.08 | 3.08 | 4.62 | 4.62 | 259.891 | 81.820  | 0.13 |
| 1J | 2-222.752  | 33.395  | -16.388 | 3.08 | 3.08 | 4.62 | 4.62 | 259.891 | 154.362 | 0.13 |
| 1K | 2-222.752  | -1.109  | 6.771   | 3.08 | 3.08 | 4.62 | 4.62 | 15.543  | 81.820  | 0.08 |
| 1L | 2-222.752  | -1.109  | -16.388 | 3.08 | 3.08 | 4.62 | 4.62 | 15.543  | 154.362 | 0.11 |
| 1M | 2-204.355  | 33.395  | 6.771   | 3.08 | 3.08 | 4.62 | 4.62 | 266.738 | 87.907  | 0.13 |
| 1N | 2-204.355  | 33.395  | -16.388 | 3.08 | 3.08 | 4.62 | 4.62 | 266.738 | 161.621 | 0.13 |
| 1O | 2-204.355  | -1.109  | 6.771   | 3.08 | 3.08 | 4.62 | 4.62 | 16.986  | 87.907  | 0.08 |
| 1P | 2-204.355  | -1.109  | -16.388 | 3.08 | 3.08 | 4.62 | 4.62 | 16.986  | 161.621 | 0.10 |
| 1A | 5-225.227  | 24.062  | 18.836  | 3.08 | 3.08 | 4.62 | 4.62 | 224.597 | 165.057 | 0.11 |
| 1B | 5-225.227  | 24.062  | -27.564 | 3.08 | 3.08 | 4.62 | 4.62 | 224.597 | 191.725 | 0.14 |
| 1C | 5-225.227  | 6.129   | 18.836  | 3.08 | 3.08 | 4.62 | 4.62 | 78.699  | 165.057 | 0.11 |
| 1D | 5-225.227  | 6.129   | -27.564 | 3.08 | 3.08 | 4.62 | 4.62 | 78.699  | 191.725 | 0.14 |
| 1E | 5-201.588  | 24.062  | 18.836  | 3.08 | 3.08 | 4.62 | 4.62 | 237.323 | 173.738 | 0.11 |
| 1F | 5-201.588  | 24.062  | -27.564 | 3.08 | 3.08 | 4.62 | 4.62 | 237.323 | 193.747 | 0.14 |
| 1G | 5-201.588  | 6.129   | 18.836  | 3.08 | 3.08 | 4.62 | 4.62 | 86.899  | 173.738 | 0.11 |
| 1H | 5-201.588  | 6.129   | -27.564 | 3.08 | 3.08 | 4.62 | 4.62 | 86.899  | 193.747 | 0.14 |
| 1I | 5-222.606  | 30.589  | 6.485   | 3.08 | 3.08 | 4.62 | 4.62 | 251.940 | 79.119  | 0.12 |
| 1J | 5-222.606  | 30.589  | -15.214 | 3.08 | 3.08 | 4.62 | 4.62 | 251.940 | 148.004 | 0.12 |
| 1K | 5-222.606  | -0.397  | 6.485   | 3.08 | 3.08 | 4.62 | 4.62 | 5.461   | 79.119  | 0.08 |
| 1L | 5-222.606  | -0.397  | -15.214 | 3.08 | 3.08 | 4.62 | 4.62 | 5.461   | 148.004 | 0.10 |
| 1M | 5-204.208  | 30.589  | 6.485   | 3.08 | 3.08 | 4.62 | 4.62 | 259.817 | 84.878  | 0.12 |
| 1N | 5-204.208  | 30.589  | -15.214 | 3.08 | 3.08 | 4.62 | 4.62 | 259.817 | 155.436 | 0.12 |
| 1O | 5-204.208  | -0.397  | 6.485   | 3.08 | 3.08 | 4.62 | 4.62 | 6.005   | 84.878  | 0.08 |
| 1P | 5-204.208  | -0.397  | -15.214 | 3.08 | 3.08 | 4.62 | 4.62 | 6.005   | 155.436 | 0.10 |
| 1A | 65-221.712 | -21.657 | -5.915  | 3.08 | 3.08 | 4.62 | 4.62 | 213.778 | 73.433  | 0.10 |
| 1B | 65-221.712 | -21.657 | 18.517  | 3.08 | 3.08 | 4.62 | 4.62 | 213.778 | 164.948 | 0.11 |
| 1C | 65-221.712 | 1.586   | -5.915  | 3.08 | 3.08 | 4.62 | 4.62 | 22.317  | 73.433  | 0.08 |
| 1D | 65-221.712 | 1.586   | 18.517  | 3.08 | 3.08 | 4.62 | 4.62 | 22.317  | 164.948 | 0.11 |
| 1E | 65-198.073 | -21.657 | -5.915  | 3.08 | 3.08 | 4.62 | 4.62 | 227.326 | 80.768  | 0.10 |
| 1F | 65-198.073 | -21.657 | 18.517  | 3.08 | 3.08 | 4.62 | 4.62 | 227.326 | 173.777 | 0.11 |
| 1G | 65-198.073 | 1.586   | -5.915  | 3.08 | 3.08 | 4.62 | 4.62 | 24.847  | 80.768  | 0.07 |
| 1H | 65-198.073 | 1.586   | 18.517  | 3.08 | 3.08 | 4.62 | 4.62 | 24.847  | 173.777 | 0.11 |
| 1I | 65-219.092 | -36.763 | -0.361  | 3.08 | 3.08 | 4.62 | 4.62 | 267.592 | 4.999   | 0.14 |
| 1J | 65-219.092 | -36.763 | 12.963  | 3.08 | 3.08 | 4.62 | 4.62 | 267.592 | 135.393 | 0.14 |
| 1K | 65-219.092 | 16.691  | -0.361  | 3.08 | 3.08 | 4.62 | 4.62 | 182.608 | 4.999   | 0.09 |
| 1L | 65-219.092 | 16.691  | 12.963  | 3.08 | 3.08 | 4.62 | 4.62 | 182.608 | 135.393 | 0.10 |
| 1M | 65-200.694 | -36.763 | -0.361  | 3.08 | 3.08 | 4.62 | 4.62 | 268.731 | 5.507   | 0.14 |
| 1N | 65-200.694 | -36.763 | 12.963  | 3.08 | 3.08 | 4.62 | 4.62 | 268.731 | 143.079 | 0.14 |
| 1O | 65-200.694 | 16.691  | -0.361  | 3.08 | 3.08 | 4.62 | 4.62 | 193.742 | 5.507   | 0.09 |
| 1P | 65-200.694 | 16.691  | 12.963  | 3.08 | 3.08 | 4.62 | 4.62 | 193.742 | 143.079 | 0.09 |
| 1A | 70-221.420 | -21.278 | -9.755  | 3.08 | 3.08 | 4.62 | 4.62 | 211.770 | 110.115 | 0.10 |
| 1B | 70-221.420 | -21.278 | 20.579  | 3.08 | 3.08 | 4.62 | 4.62 | 211.770 | 173.336 | 0.12 |
| 1C | 70-221.420 | 5.396   | -9.755  | 3.08 | 3.08 | 4.62 | 4.62 | 71.355  | 110.115 | 0.09 |
| 1D | 70-221.420 | 5.396   | 20.579  | 3.08 | 3.08 | 4.62 | 4.62 | 71.355  | 173.336 | 0.12 |
| 1E | 70-197.780 | -21.278 | -9.755  | 3.08 | 3.08 | 4.62 | 4.62 | 225.423 | 119.598 | 0.09 |
| 1F | 70-197.780 | -21.278 | 20.579  | 3.08 | 3.08 | 4.62 | 4.62 | 225.423 | 181.490 | 0.11 |
| 1G | 70-197.780 | 5.396   | -9.755  | 3.08 | 3.08 | 4.62 | 4.62 | 78.878  | 119.598 | 0.08 |
| 1H | 70-197.780 | 5.396   | 20.579  | 3.08 | 3.08 | 4.62 | 4.62 | 78.878  | 181.490 | 0.11 |
| 1I | 70-218.799 | -38.187 | -2.709  | 3.08 | 3.08 | 4.62 | 4.62 | 268.437 | 36.990  | 0.14 |
| 1J | 70-218.799 | -38.187 | 13.533  | 3.08 | 3.08 | 4.62 | 4.62 | 268.437 | 139.284 | 0.14 |
| 1K | 70-218.799 | 22.305  | -2.709  | 3.08 | 3.08 | 4.62 | 4.62 | 218.980 | 36.990  | 0.10 |
| 1L | 70-218.799 | 22.305  | 13.533  | 3.08 | 3.08 | 4.62 | 4.62 | 218.980 | 139.284 | 0.10 |
| 1M | 70-200.401 | -38.187 | -2.709  | 3.08 | 3.08 | 4.62 | 4.62 | 268.354 | 40.158  | 0.14 |
| 1N | 70-200.401 | -38.187 | 13.533  | 3.08 | 3.08 | 4.62 | 4.62 | 268.354 | 146.961 | 0.14 |
| 1O | 70-200.401 | 22.305  | -2.709  | 3.08 | 3.08 | 4.62 | 4.62 | 229.396 | 40.158  | 0.10 |
| 1P | 70-200.401 | 22.305  | 13.533  | 3.08 | 3.08 | 4.62 | 4.62 | 229.396 | 146.961 | 0.10 |

ASTA NUM. 11 NI 103 NF 137 SEZ. Rp B= 0.600 H= 0.400 (pilastro)

PIL. NUM. 27

Copriferro: 3.0 cm

| NC | x         | Fx     | My      | Mz   | APOST | AANT | AINF | ASUP    | My.Res. | Mz.Res. | I.R. | Note |
|----|-----------|--------|---------|------|-------|------|------|---------|---------|---------|------|------|
|    | cm        | kN     | kN*m    |      |       |      |      |         | kN*m    |         | Fx,M |      |
| 1A | 0-221.175 | 21.034 | 29.781  | 3.08 | 3.08  | 4.62 | 4.62 | 210.487 | 193.783 | 0.15    |      |      |
| 1B | 0-221.175 | 21.034 | -23.255 | 3.08 | 3.08  | 4.62 | 4.62 | 210.487 | 182.203 | 0.13    |      |      |
| 1C | 0-221.175 | 4.088  | 29.781  | 3.08 | 3.08  | 4.62 | 4.62 | 55.404  | 193.783 | 0.15    |      |      |
| 1D | 0-221.175 | 4.088  | -23.255 | 3.08 | 3.08  | 4.62 | 4.62 | 55.404  | 182.203 | 0.13    |      |      |
| 1E | 0-197.825 | 21.034 | 29.781  | 3.08 | 3.08  | 4.62 | 4.62 | 224.031 | 191.888 | 0.16    |      |      |
| 1F | 0-197.825 | 21.034 | -23.255 | 3.08 | 3.08  | 4.62 | 4.62 | 224.031 | 189.356 | 0.12    |      |      |
| 1G | 0-197.825 | 4.088  | 29.781  | 3.08 | 3.08  | 4.62 | 4.62 | 61.328  | 191.888 | 0.16    |      |      |
| 1H | 0-197.825 | 4.088  | -23.255 | 3.08 | 3.08  | 4.62 | 4.62 | 61.328  | 189.356 | 0.12    |      |      |
| 1I | 0-220.445 | 28.962 | 15.944  | 3.08 | 3.08  | 4.62 | 4.62 | 247.501 | 152.901 | 0.12    |      |      |
| 1J | 0-220.445 | 28.962 | -9.418  | 3.08 | 3.08  | 4.62 | 4.62 | 247.501 | 107.587 | 0.12    |      |      |
| 1K | 0-220.445 | -3.840 | 15.944  | 3.08 | 3.08  | 4.62 | 4.62 | 52.416  | 152.901 | 0.10    |      |      |
| 1L | 0-220.445 | -3.840 | -9.418  | 3.08 | 3.08  | 4.62 | 4.62 | 52.416  | 107.587 | 0.09    |      |      |
| 1M | 0-198.555 | 28.962 | 15.944  | 3.08 | 3.08  | 4.62 | 4.62 | 257.487 | 161.730 | 0.11    |      |      |
| 1N | 0-198.555 | 28.962 | -9.418  | 3.08 | 3.08  | 4.62 | 4.62 | 257.487 | 116.277 | 0.11    |      |      |
| 1O | 0-198.555 | -3.840 | 15.944  | 3.08 | 3.08  | 4.62 | 4.62 | 57.658  | 161.730 | 0.10    |      |      |
| 1P | 0-198.555 | -3.840 | -9.418  | 3.08 | 3.08  | 4.62 | 4.62 | 57.658  | 116.277 | 0.08    |      |      |

|    |           |        |         |      |      |      |      |         |         |      |
|----|-----------|--------|---------|------|------|------|------|---------|---------|------|
| 1A | 2-221.029 | 23.763 | 29.414  | 3.08 | 3.08 | 4.62 | 4.62 | 225.342 | 193.765 | 0.15 |
| 1B | 2-221.029 | 23.763 | -20.627 | 3.08 | 3.08 | 4.62 | 4.62 | 225.342 | 173.645 | 0.12 |
| 1C | 2-221.029 | 8.483  | 29.414  | 3.08 | 3.08 | 4.62 | 4.62 | 106.318 | 193.765 | 0.15 |
| 1D | 2-221.029 | 8.483  | -20.627 | 3.08 | 3.08 | 4.62 | 4.62 | 106.318 | 173.645 | 0.12 |
| 1E | 2-197.678 | 23.763 | 29.414  | 3.08 | 3.08 | 4.62 | 4.62 | 238.102 | 192.268 | 0.15 |
| 1F | 2-197.678 | 23.763 | -20.627 | 3.08 | 3.08 | 4.62 | 4.62 | 238.102 | 181.685 | 0.11 |
| 1G | 2-197.678 | 8.483  | 29.414  | 3.08 | 3.08 | 4.62 | 4.62 | 116.908 | 192.268 | 0.15 |
| 1H | 2-197.678 | 8.483  | -20.627 | 3.08 | 3.08 | 4.62 | 4.62 | 116.908 | 181.685 | 0.11 |
| 1I | 2-220.298 | 30.933 | 16.322  | 3.08 | 3.08 | 4.62 | 4.62 | 253.996 | 154.962 | 0.12 |
| 1J | 2-220.298 | 30.933 | -7.535  | 3.08 | 3.08 | 4.62 | 4.62 | 253.996 | 90.234  | 0.12 |
| 1K | 2-220.298 | 1.313  | 16.322  | 3.08 | 3.08 | 4.62 | 4.62 | 18.678  | 154.962 | 0.11 |
| 1L | 2-220.298 | 1.313  | -7.535  | 3.08 | 3.08 | 4.62 | 4.62 | 18.678  | 90.234  | 0.08 |
| 1M | 2-198.409 | 30.933 | 16.322  | 3.08 | 3.08 | 4.62 | 4.62 | 263.159 | 163.714 | 0.12 |
| 1N | 2-198.409 | 30.933 | -7.535  | 3.08 | 3.08 | 4.62 | 4.62 | 263.159 | 98.202  | 0.12 |
| 1O | 2-198.409 | 1.313  | 16.322  | 3.08 | 3.08 | 4.62 | 4.62 | 20.647  | 163.714 | 0.10 |
| 1P | 2-198.409 | 1.313  | -7.535  | 3.08 | 3.08 | 4.62 | 4.62 | 20.647  | 98.202  | 0.08 |

|    |           |        |         |      |      |      |      |         |         |      |
|----|-----------|--------|---------|------|------|------|------|---------|---------|------|
| 1A | 5-220.883 | 21.743 | 27.539  | 3.08 | 3.08 | 4.62 | 4.62 | 214.721 | 192.780 | 0.14 |
| 1B | 5-220.883 | 21.743 | -19.506 | 3.08 | 3.08 | 4.62 | 4.62 | 214.721 | 169.397 | 0.12 |
| 1C | 5-220.883 | 8.129  | 27.539  | 3.08 | 3.08 | 4.62 | 4.62 | 102.538 | 192.780 | 0.14 |
| 1D | 5-220.883 | 8.129  | -19.506 | 3.08 | 3.08 | 4.62 | 4.62 | 102.538 | 169.397 | 0.12 |
| 1E | 5-197.532 | 21.743 | 27.539  | 3.08 | 3.08 | 4.62 | 4.62 | 228.106 | 193.603 | 0.14 |
| 1F | 5-197.532 | 21.743 | -19.506 | 3.08 | 3.08 | 4.62 | 4.62 | 228.106 | 177.812 | 0.11 |
| 1G | 5-197.532 | 8.129  | 27.539  | 3.08 | 3.08 | 4.62 | 4.62 | 112.842 | 193.603 | 0.14 |
| 1H | 5-197.532 | 8.129  | -19.506 | 3.08 | 3.08 | 4.62 | 4.62 | 112.842 | 177.812 | 0.11 |
| 1I | 5-220.152 | 28.154 | 15.192  | 3.08 | 3.08 | 4.62 | 4.62 | 244.730 | 148.840 | 0.12 |
| 1J | 5-220.152 | 28.154 | -7.159  | 3.08 | 3.08 | 4.62 | 4.62 | 244.730 | 86.557  | 0.12 |
| 1K | 5-220.152 | 1.718  | 15.192  | 3.08 | 3.08 | 4.62 | 4.62 | 24.335  | 148.840 | 0.10 |
| 1L | 5-220.152 | 1.718  | -7.159  | 3.08 | 3.08 | 4.62 | 4.62 | 24.335  | 86.557  | 0.08 |
| 1M | 5-198.263 | 28.154 | 15.192  | 3.08 | 3.08 | 4.62 | 4.62 | 255.046 | 157.818 | 0.11 |
| 1N | 5-198.263 | 28.154 | -7.159  | 3.08 | 3.08 | 4.62 | 4.62 | 255.046 | 94.299  | 0.11 |
| 1O | 5-198.263 | 1.718  | 15.192  | 3.08 | 3.08 | 4.62 | 4.62 | 26.880  | 157.818 | 0.10 |
| 1P | 5-198.263 | 1.718  | -7.159  | 3.08 | 3.08 | 4.62 | 4.62 | 26.880  | 94.299  | 0.08 |

|    |            |         |         |      |      |      |      |         |         |      |
|----|------------|---------|---------|------|------|------|------|---------|---------|------|
| 1A | 65-217.368 | -26.742 | -17.443 | 3.08 | 3.08 | 4.62 | 4.62 | 240.623 | 161.673 | 0.11 |
| 1B | 65-217.368 | -26.742 | 7.395   | 3.08 | 3.08 | 4.62 | 4.62 | 240.623 | 89.843  | 0.11 |
| 1C | 65-217.368 | -0.370  | -17.443 | 3.08 | 3.08 | 4.62 | 4.62 | 5.178   | 161.673 | 0.11 |
| 1D | 65-217.368 | -0.370  | 7.395   | 3.08 | 3.08 | 4.62 | 4.62 | 5.178   | 89.843  | 0.08 |
| 1E | 65-194.017 | -26.742 | -17.443 | 3.08 | 3.08 | 4.62 | 4.62 | 252.233 | 170.790 | 0.11 |
| 1F | 65-194.017 | -26.742 | 7.395   | 3.08 | 3.08 | 4.62 | 4.62 | 252.233 | 98.492  | 0.11 |
| 1G | 65-194.017 | -0.370  | -17.443 | 3.08 | 3.08 | 4.62 | 4.62 | 5.872   | 170.790 | 0.10 |
| 1H | 65-194.017 | -0.370  | 7.395   | 3.08 | 3.08 | 4.62 | 4.62 | 5.872   | 98.492  | 0.08 |
| 1I | 65-216.637 | -38.534 | -11.916 | 3.08 | 3.08 | 4.62 | 4.62 | 268.650 | 129.013 | 0.14 |
| 1J | 65-216.637 | -38.534 | 1.869   | 3.08 | 3.08 | 4.62 | 4.62 | 268.650 | 26.303  | 0.14 |
| 1K | 65-216.637 | 11.422  | -11.916 | 3.08 | 3.08 | 4.62 | 4.62 | 138.450 | 129.013 | 0.09 |
| 1L | 65-216.637 | 11.422  | 1.869   | 3.08 | 3.08 | 4.62 | 4.62 | 138.450 | 26.303  | 0.08 |
| 1M | 65-194.748 | -38.534 | -11.916 | 3.08 | 3.08 | 4.62 | 4.62 | 267.467 | 138.337 | 0.14 |
| 1N | 65-194.748 | -38.534 | 1.869   | 3.08 | 3.08 | 4.62 | 4.62 | 267.467 | 29.151  | 0.14 |
| 1O | 65-194.748 | 11.422  | -11.916 | 3.08 | 3.08 | 4.62 | 4.62 | 150.618 | 138.337 | 0.09 |
| 1P | 65-194.748 | 11.422  | 1.869   | 3.08 | 3.08 | 4.62 | 4.62 | 150.618 | 29.151  | 0.08 |

|    |            |         |         |      |      |      |      |         |         |      |
|----|------------|---------|---------|------|------|------|------|---------|---------|------|
| 1A | 70-217.075 | -26.033 | -19.684 | 3.08 | 3.08 | 4.62 | 4.62 | 237.842 | 171.454 | 0.11 |
| 1B | 70-217.075 | -26.033 | 11.144  | 3.08 | 3.08 | 4.62 | 4.62 | 237.842 | 123.032 | 0.11 |
| 1C | 70-217.075 | 3.671   | -19.684 | 3.08 | 3.08 | 4.62 | 4.62 | 50.974  | 171.454 | 0.11 |
| 1D | 70-217.075 | 3.671   | 11.144  | 3.08 | 3.08 | 4.62 | 4.62 | 50.974  | 123.032 | 0.09 |
| 1E | 70-193.725 | -26.033 | -19.684 | 3.08 | 3.08 | 4.62 | 4.62 | 249.762 | 179.842 | 0.11 |
| 1F | 70-193.725 | -26.033 | 11.144  | 3.08 | 3.08 | 4.62 | 4.62 | 249.762 | 132.928 | 0.10 |
| 1G | 70-193.725 | 3.671   | -19.684 | 3.08 | 3.08 | 4.62 | 4.62 | 56.564  | 179.842 | 0.11 |
| 1H | 70-193.725 | 3.671   | 11.144  | 3.08 | 3.08 | 4.62 | 4.62 | 56.564  | 132.928 | 0.08 |
| 1I | 70-216.345 | -39.342 | -12.668 | 3.08 | 3.08 | 4.62 | 4.62 | 268.739 | 134.481 | 0.15 |
| 1J | 70-216.345 | -39.342 | 4.128   | 3.08 | 3.08 | 4.62 | 4.62 | 268.739 | 54.876  | 0.15 |
| 1K | 70-216.345 | 16.980  | -12.668 | 3.08 | 3.08 | 4.62 | 4.62 | 186.375 | 134.481 | 0.09 |
| 1L | 70-216.345 | 16.980  | 4.128   | 3.08 | 3.08 | 4.62 | 4.62 | 186.375 | 54.876  | 0.09 |
| 1M | 70-194.455 | -39.342 | -12.668 | 3.08 | 3.08 | 4.62 | 4.62 | 266.711 | 143.828 | 0.15 |
| 1N | 70-194.455 | -39.342 | 4.128   | 3.08 | 3.08 | 4.62 | 4.62 | 266.711 | 60.175  | 0.15 |
| 1O | 70-194.455 | 16.980  | -12.668 | 3.08 | 3.08 | 4.62 | 4.62 | 199.886 | 143.828 | 0.09 |
| 1P | 70-194.455 | 16.980  | 4.128   | 3.08 | 3.08 | 4.62 | 4.62 | 199.886 | 60.175  | 0.08 |

ASTA NUM. 12 NI 117 NF 139 SEZ. Rp B= 0.600 H= 0.300 (pilastro)

PIL. NUM. 28

Copriferro: 3.0 cm

| NC | x  | Fx       | My      | Mz     | APOST | AANT | AINF | ASUP | My.Res. | Mz.Res. | I.R. | Note |
|----|----|----------|---------|--------|-------|------|------|------|---------|---------|------|------|
|    | cm | kN       | kN*m    |        | cmq   |      |      |      | kN*m    |         | Fx,M |      |
| 1A | 0  | -98.217  | -9.666  | 6.042  | 3.08  | 3.08 | 4.62 | 4.62 | 166.880 | 94.793  | 0.06 |      |
| 1B | 0  | -98.217  | -9.666  | -7.943 | 3.08  | 3.08 | 4.62 | 4.62 | 166.880 | 107.073 | 0.07 |      |
| 1C | 0  | -98.217  | -25.058 | 6.042  | 3.08  | 3.08 | 4.62 | 4.62 | 205.737 | 94.793  | 0.12 |      |
| 1D | 0  | -98.217  | -25.058 | -7.943 | 3.08  | 3.08 | 4.62 | 4.62 | 205.737 | 107.073 | 0.12 |      |
| 1E | 0  | -66.343  | -9.666  | 6.042  | 3.08  | 3.08 | 4.62 | 4.62 | 201.613 | 111.678 | 0.05 |      |
| 1F | 0  | -66.343  | -9.666  | -7.943 | 3.08  | 3.08 | 4.62 | 4.62 | 201.613 | 115.167 | 0.07 |      |
| 1G | 0  | -66.343  | -25.058 | 6.042  | 3.08  | 3.08 | 4.62 | 4.62 | 178.608 | 111.678 | 0.14 |      |
| 1H | 0  | -66.343  | -25.058 | -7.943 | 3.08  | 3.08 | 4.62 | 4.62 | 178.608 | 115.167 | 0.14 |      |
| 1I | 0  | -109.347 | -1.485  | 2.408  | 3.08  | 3.08 | 4.62 | 4.62 | 31.986  | 45.973  | 0.05 |      |
| 1J | 0  | -109.347 | -1.485  | -4.308 | 3.08  | 3.08 | 4.62 | 4.62 | 31.986  | 72.331  | 0.06 |      |
| 1K | 0  | -109.347 | -33.239 | 2.408  | 3.08  | 3.08 | 4.62 | 4.62 | 194.969 | 45.973  | 0.17 |      |
| 1L | 0  | -109.347 | -33.239 | -4.308 | 3.08  | 3.08 | 4.62 | 4.62 | 194.969 | 72.331  | 0.17 |      |
| 1M | 0  | -55.213  | -1.485  | 2.408  | 3.08  | 3.08 | 4.62 | 4.62 | 60.228  | 77.469  | 0.03 |      |
| 1N | 0  | -55.213  | -1.485  | -4.308 | 3.08  | 3.08 | 4.62 | 4.62 | 60.228  | 105.594 | 0.04 |      |
| 1O | 0  | -55.213  | -33.239 | 2.408  | 3.08  | 3.08 | 4.62 | 4.62 | 133.989 | 77.469  | 0.25 |      |
| 1P | 0  | -55.213  | -33.239 | -4.308 | 3.08  | 3.08 | 4.62 | 4.62 | 133.989 | 105.594 | 0.25 |      |
| 1A | 2  | -98.107  | -17.417 | 5.129  | 3.08  | 3.08 | 4.62 | 4.62 | 213.925 | 86.704  | 0.08 |      |
| 1B | 2  | -98.107  | -17.417 | -8.226 | 3.08  | 3.08 | 4.62 | 4.62 | 213.925 | 108.527 | 0.08 |      |
| 1C | 2  | -98.107  | -31.554 | 5.129  | 3.08  | 3.08 | 4.62 | 4.62 | 191.418 | 86.704  | 0.16 |      |
| 1D | 2  | -98.107  | -31.554 | -8.226 | 3.08  | 3.08 | 4.62 | 4.62 | 191.418 | 108.527 | 0.16 |      |

|    |   |          |         |        |      |      |      |      |         |         |      |
|----|---|----------|---------|--------|------|------|------|------|---------|---------|------|
| 1E | 2 | -66.233  | -17.417 | 5.129  | 3.08 | 3.08 | 4.62 | 4.62 | 203.998 | 105.276 | 0.09 |
| 1F | 2 | -66.233  | -17.417 | -8.226 | 3.08 | 3.08 | 4.62 | 4.62 | 203.998 | 114.380 | 0.09 |
| 1G | 2 | -66.233  | -31.554 | 5.129  | 3.08 | 3.08 | 4.62 | 4.62 | 154.350 | 105.276 | 0.20 |
| 1H | 2 | -66.233  | -31.554 | -8.226 | 3.08 | 3.08 | 4.62 | 4.62 | 154.350 | 114.380 | 0.20 |
| 1I | 2 | -109.237 | -9.918  | 1.638  | 3.08 | 3.08 | 4.62 | 4.62 | 159.031 | 33.015  | 0.06 |
| 1J | 2 | -109.237 | -9.918  | -4.735 | 3.08 | 3.08 | 4.62 | 4.62 | 159.031 | 77.161  | 0.06 |
| 1K | 2 | -109.237 | -39.053 | 1.638  | 3.08 | 3.08 | 4.62 | 4.62 | 184.458 | 33.015  | 0.21 |
| 1L | 2 | -109.237 | -39.053 | -4.735 | 3.08 | 3.08 | 4.62 | 4.62 | 184.458 | 77.161  | 0.21 |
| 1M | 2 | -55.103  | -9.918  | 1.638  | 3.08 | 3.08 | 4.62 | 4.62 | 214.174 | 58.762  | 0.05 |
| 1N | 2 | -55.103  | -9.918  | -4.735 | 3.08 | 3.08 | 4.62 | 4.62 | 214.174 | 109.487 | 0.05 |
| 1O | 2 | -55.103  | -39.053 | 1.638  | 3.08 | 3.08 | 4.62 | 4.62 | 123.219 | 58.762  | 0.32 |
| 1P | 2 | -55.103  | -39.053 | -4.735 | 3.08 | 3.08 | 4.62 | 4.62 | 123.219 | 109.487 | 0.32 |

|    |   |          |         |        |      |      |      |      |         |         |      |
|----|---|----------|---------|--------|------|------|------|------|---------|---------|------|
| 1A | 5 | -97.996  | -15.669 | 5.014  | 3.08 | 3.08 | 4.62 | 4.62 | 208.381 | 85.609  | 0.08 |
| 1B | 5 | -97.996  | -15.669 | -7.712 | 3.08 | 3.08 | 4.62 | 4.62 | 208.381 | 105.951 | 0.08 |
| 1C | 5 | -97.996  | -28.552 | 5.014  | 3.08 | 3.08 | 4.62 | 4.62 | 197.662 | 85.609  | 0.14 |
| 1D | 5 | -97.996  | -28.552 | -7.712 | 3.08 | 3.08 | 4.62 | 4.62 | 197.662 | 105.951 | 0.14 |
| 1E | 5 | -66.122  | -15.669 | 5.014  | 3.08 | 3.08 | 4.62 | 4.62 | 209.536 | 104.379 | 0.07 |
| 1F | 5 | -66.122  | -15.669 | -7.712 | 3.08 | 3.08 | 4.62 | 4.62 | 209.536 | 115.583 | 0.07 |
| 1G | 5 | -66.122  | -28.552 | 5.014  | 3.08 | 3.08 | 4.62 | 4.62 | 164.363 | 104.379 | 0.17 |
| 1H | 5 | -66.122  | -28.552 | -7.712 | 3.08 | 3.08 | 4.62 | 4.62 | 164.363 | 115.583 | 0.17 |
| 1I | 5 | -109.126 | -8.853  | 1.666  | 3.08 | 3.08 | 4.62 | 4.62 | 147.837 | 33.550  | 0.06 |
| 1J | 5 | -109.126 | -8.853  | -4.364 | 3.08 | 3.08 | 4.62 | 4.62 | 147.837 | 73.083  | 0.06 |
| 1K | 5 | -109.126 | -35.369 | 1.666  | 3.08 | 3.08 | 4.62 | 4.62 | 190.942 | 33.550  | 0.19 |
| 1L | 5 | -109.126 | -35.369 | -4.364 | 3.08 | 3.08 | 4.62 | 4.62 | 190.942 | 73.083  | 0.19 |
| 1M | 5 | -54.992  | -8.853  | 1.666  | 3.08 | 3.08 | 4.62 | 4.62 | 208.846 | 59.586  | 0.04 |
| 1N | 5 | -54.992  | -8.853  | -4.364 | 3.08 | 3.08 | 4.62 | 4.62 | 208.846 | 106.300 | 0.04 |
| 1O | 5 | -54.992  | -35.369 | 1.666  | 3.08 | 3.08 | 4.62 | 4.62 | 129.312 | 59.586  | 0.27 |
| 1P | 5 | -54.992  | -35.369 | -4.364 | 3.08 | 3.08 | 4.62 | 4.62 | 129.312 | 106.300 | 0.27 |

|    |    |          |        |       |      |      |      |      |         |         |      |
|----|----|----------|--------|-------|------|------|------|------|---------|---------|------|
| 1A | 65 | -95.348  | 26.267 | 2.245 | 3.08 | 3.08 | 4.62 | 4.62 | 201.182 | 48.638  | 0.13 |
| 1B | 65 | -95.348  | 26.267 | 4.629 | 3.08 | 3.08 | 4.62 | 4.62 | 201.182 | 82.939  | 0.13 |
| 1C | 65 | -95.348  | 43.494 | 2.245 | 3.08 | 3.08 | 4.62 | 4.62 | 158.760 | 48.638  | 0.27 |
| 1D | 65 | -95.348  | 43.494 | 4.629 | 3.08 | 3.08 | 4.62 | 4.62 | 158.760 | 82.939  | 0.27 |
| 1E | 65 | -63.474  | 26.267 | 2.245 | 3.08 | 3.08 | 4.62 | 4.62 | 168.826 | 66.991  | 0.16 |
| 1F | 65 | -63.474  | 26.267 | 4.629 | 3.08 | 3.08 | 4.62 | 4.62 | 168.826 | 102.683 | 0.16 |
| 1G | 65 | -63.474  | 43.494 | 2.245 | 3.08 | 3.08 | 4.62 | 4.62 | 125.236 | 66.991  | 0.35 |
| 1H | 65 | -63.474  | 43.494 | 4.629 | 3.08 | 3.08 | 4.62 | 4.62 | 125.236 | 102.683 | 0.35 |
| 1I | 65 | -106.478 | 16.712 | 2.338 | 3.08 | 3.08 | 4.62 | 4.62 | 207.085 | 45.861  | 0.08 |
| 1J | 65 | -106.478 | 16.712 | 4.536 | 3.08 | 3.08 | 4.62 | 4.62 | 207.085 | 76.281  | 0.08 |
| 1K | 65 | -106.478 | 53.049 | 2.338 | 3.08 | 3.08 | 4.62 | 4.62 | 149.997 | 45.861  | 0.35 |
| 1L | 65 | -106.478 | 53.049 | 4.536 | 3.08 | 3.08 | 4.62 | 4.62 | 149.997 | 76.281  | 0.35 |
| 1M | 65 | -52.344  | 16.712 | 2.338 | 3.08 | 3.08 | 4.62 | 4.62 | 191.874 | 78.685  | 0.09 |
| 1N | 65 | -52.344  | 16.712 | 4.536 | 3.08 | 3.08 | 4.62 | 4.62 | 191.874 | 109.814 | 0.09 |
| 1O | 65 | -52.344  | 53.049 | 2.338 | 3.08 | 3.08 | 4.62 | 4.62 | 106.487 | 78.685  | 0.50 |
| 1P | 65 | -52.344  | 53.049 | 4.536 | 3.08 | 3.08 | 4.62 | 4.62 | 106.487 | 109.814 | 0.50 |

ASTA NUM. 13 NI 124 NF 143 SEZ. Rp B= 0.400 H= 0.600 (pilastro)  
 PILL. NUM. 14  
 Copriferro: 3.0 cm

| NC | x  | Fx       | My      | Mz      | APOST | AANT | AINF | ASUP | My.Res. | Mz.Res. | I.R. | Note |
|----|----|----------|---------|---------|-------|------|------|------|---------|---------|------|------|
|    | cm | kN       | kN*m    |         | cmq   |      |      |      | kN*m    |         | Fx,M |      |
| 1A | 0  | -167.323 | 5.164   | 36.862  | 4.62  | 4.62 | 3.08 | 3.08 | 82.873  | 262.316 | 0.14 |      |
| 1B | 0  | -167.323 | 5.164   | -53.208 | 4.62  | 4.62 | 3.08 | 3.08 | 82.873  | 227.911 | 0.23 |      |
| 1C | 0  | -167.323 | -11.204 | 36.862  | 4.62  | 4.62 | 3.08 | 3.08 | 146.225 | 262.316 | 0.14 |      |
| 1D | 0  | -167.323 | -11.204 | -53.208 | 4.62  | 4.62 | 3.08 | 3.08 | 146.225 | 227.911 | 0.23 |      |
| 1E | 0  | -94.677  | 5.164   | 36.862  | 4.62  | 4.62 | 3.08 | 3.08 | 128.280 | 194.798 | 0.19 |      |
| 1F | 0  | -94.677  | 5.164   | -53.208 | 4.62  | 4.62 | 3.08 | 3.08 | 128.280 | 145.524 | 0.37 |      |
| 1G | 0  | -94.677  | -11.204 | 36.862  | 4.62  | 4.62 | 3.08 | 3.08 | 189.756 | 194.798 | 0.19 |      |
| 1H | 0  | -94.677  | -11.204 | -53.208 | 4.62  | 4.62 | 3.08 | 3.08 | 189.756 | 145.524 | 0.37 |      |
| 1I | 0  | -164.383 | 14.123  | 12.420  | 4.62  | 4.62 | 3.08 | 3.08 | 167.221 | 181.561 | 0.08 |      |
| 1J | 0  | -164.383 | 14.123  | -28.766 | 4.62  | 4.62 | 3.08 | 3.08 | 167.221 | 268.474 | 0.11 |      |
| 1K | 0  | -164.383 | -20.163 | 12.420  | 4.62  | 4.62 | 3.08 | 3.08 | 191.852 | 181.561 | 0.11 |      |
| 1L | 0  | -164.383 | -20.163 | -28.766 | 4.62  | 4.62 | 3.08 | 3.08 | 191.852 | 268.474 | 0.11 |      |
| 1M | 0  | -97.617  | 14.123  | 12.420  | 4.62  | 4.62 | 3.08 | 3.08 | 193.004 | 244.196 | 0.07 |      |
| 1N | 0  | -97.617  | 14.123  | -28.766 | 4.62  | 4.62 | 3.08 | 3.08 | 193.004 | 236.192 | 0.12 |      |
| 1O | 0  | -97.617  | -20.163 | 12.420  | 4.62  | 4.62 | 3.08 | 3.08 | 165.398 | 244.196 | 0.12 |      |
| 1P | 0  | -97.617  | -20.163 | -28.766 | 4.62  | 4.62 | 3.08 | 3.08 | 165.398 | 236.192 | 0.12 |      |
| 1A | 4  | -167.112 | 3.776   | 32.202  | 4.62  | 4.62 | 3.08 | 3.08 | 63.596  | 268.146 | 0.12 |      |
| 1B | 4  | -167.112 | 3.776   | -51.309 | 4.62  | 4.62 | 3.08 | 3.08 | 63.596  | 232.187 | 0.22 |      |
| 1C | 4  | -167.112 | -12.169 | 32.202  | 4.62  | 4.62 | 3.08 | 3.08 | 153.485 | 268.146 | 0.12 |      |
| 1D | 4  | -167.112 | -12.169 | -51.309 | 4.62  | 4.62 | 3.08 | 3.08 | 153.485 | 232.187 | 0.22 |      |
| 1E | 4  | -94.466  | 3.776   | 32.202  | 4.62  | 4.62 | 3.08 | 3.08 | 102.174 | 216.611 | 0.15 |      |
| 1F | 4  | -94.466  | 3.776   | -51.309 | 4.62  | 4.62 | 3.08 | 3.08 | 102.174 | 149.023 | 0.34 |      |
| 1G | 4  | -94.466  | -12.169 | 32.202  | 4.62  | 4.62 | 3.08 | 3.08 | 193.513 | 216.611 | 0.15 |      |
| 1H | 4  | -94.466  | -12.169 | -51.309 | 4.62  | 4.62 | 3.08 | 3.08 | 193.513 | 149.023 | 0.34 |      |
| 1I | 4  | -164.172 | 12.504  | 9.465   | 4.62  | 4.62 | 3.08 | 3.08 | 157.311 | 148.592 | 0.08 |      |

|    |             |         |         |      |      |      |      |         |         |      |
|----|-------------|---------|---------|------|------|------|------|---------|---------|------|
| 1J | 4-164.172   | 12.504  | -28.572 | 4.62 | 4.62 | 3.08 | 3.08 | 157.311 | 268.394 | 0.11 |
| 1K | 4-164.172   | -20.897 | 9.465   | 4.62 | 4.62 | 3.08 | 3.08 | 193.350 | 148.592 | 0.11 |
| 1L | 4-164.172   | -20.897 | -28.572 | 4.62 | 4.62 | 3.08 | 3.08 | 193.350 | 268.394 | 0.11 |
| 1M | 4 -97.406   | 12.504  | 9.465   | 4.62 | 4.62 | 3.08 | 3.08 | 193.470 | 213.139 | 0.06 |
| 1N | 4 -97.406   | 12.504  | -28.572 | 4.62 | 4.62 | 3.08 | 3.08 | 193.470 | 236.647 | 0.12 |
| 1O | 4 -97.406   | -20.897 | 9.465   | 4.62 | 4.62 | 3.08 | 3.08 | 160.540 | 213.139 | 0.13 |
| 1P | 4 -97.406   | -20.897 | -28.572 | 4.62 | 4.62 | 3.08 | 3.08 | 160.540 | 236.647 | 0.13 |
| 1A | 7-166.902   | 4.219   | 29.690  | 4.62 | 4.62 | 3.08 | 3.08 | 70.114  | 268.651 | 0.11 |
| 1B | 7-166.902   | 4.219   | -47.263 | 4.62 | 4.62 | 3.08 | 3.08 | 70.114  | 240.138 | 0.20 |
| 1C | 7-166.902   | -11.304 | 29.690  | 4.62 | 4.62 | 3.08 | 3.08 | 147.220 | 268.651 | 0.11 |
| 1D | 7-166.902   | -11.304 | -47.263 | 4.62 | 4.62 | 3.08 | 3.08 | 147.220 | 240.138 | 0.20 |
| 1E | 7 -94.256   | 4.219   | 29.690  | 4.62 | 4.62 | 3.08 | 3.08 | 111.421 | 229.406 | 0.13 |
| 1F | 7 -94.256   | 4.219   | -47.263 | 4.62 | 4.62 | 3.08 | 3.08 | 111.421 | 158.079 | 0.30 |
| 1G | 7 -94.256   | -11.304 | 29.690  | 4.62 | 4.62 | 3.08 | 3.08 | 190.549 | 229.406 | 0.13 |
| 1H | 7 -94.256   | -11.304 | -47.263 | 4.62 | 4.62 | 3.08 | 3.08 | 190.549 | 158.079 | 0.30 |
| 1I | 7-163.962   | 12.716  | 8.658   | 4.62 | 4.62 | 3.08 | 3.08 | 158.833 | 138.616 | 0.08 |
| 1J | 7-163.962   | 12.716  | -26.231 | 4.62 | 4.62 | 3.08 | 3.08 | 158.833 | 265.209 | 0.10 |
| 1K | 7-163.962   | -19.802 | 8.658   | 4.62 | 4.62 | 3.08 | 3.08 | 190.957 | 138.616 | 0.10 |
| 1L | 7-163.962   | -19.802 | -26.231 | 4.62 | 4.62 | 3.08 | 3.08 | 190.957 | 265.209 | 0.10 |
| 1M | 7 -97.196   | 12.716  | 8.658   | 4.62 | 4.62 | 3.08 | 3.08 | 193.668 | 202.368 | 0.07 |
| 1N | 7 -97.196   | 12.716  | -26.231 | 4.62 | 4.62 | 3.08 | 3.08 | 193.668 | 244.907 | 0.11 |
| 1O | 7 -97.196   | -19.802 | 8.658   | 4.62 | 4.62 | 3.08 | 3.08 | 167.088 | 202.368 | 0.12 |
| 1P | 7 -97.196   | -19.802 | -26.231 | 4.62 | 4.62 | 3.08 | 3.08 | 167.088 | 244.907 | 0.12 |
| 1A | 93-161.844  | 14.835  | -30.612 | 4.62 | 4.62 | 3.08 | 3.08 | 172.283 | 268.467 | 0.11 |
| 1B | 93-161.844  | 14.835  | 49.845  | 4.62 | 4.62 | 3.08 | 3.08 | 172.283 | 231.891 | 0.21 |
| 1C | 93-161.844  | 9.450   | -30.612 | 4.62 | 4.62 | 3.08 | 3.08 | 134.237 | 268.467 | 0.11 |
| 1D | 93-161.844  | 9.450   | 49.845  | 4.62 | 4.62 | 3.08 | 3.08 | 134.237 | 231.891 | 0.21 |
| 1E | 93 -89.198  | 14.835  | -30.612 | 4.62 | 4.62 | 3.08 | 3.08 | 186.821 | 215.502 | 0.14 |
| 1F | 93 -89.198  | 14.835  | 49.845  | 4.62 | 4.62 | 3.08 | 3.08 | 186.821 | 146.095 | 0.34 |
| 1G | 93 -89.198  | 9.450   | -30.612 | 4.62 | 4.62 | 3.08 | 3.08 | 182.720 | 215.502 | 0.14 |
| 1H | 93 -89.198  | 9.450   | 49.845  | 4.62 | 4.62 | 3.08 | 3.08 | 182.720 | 146.095 | 0.34 |
| 1I | 93-158.904  | 17.799  | -10.726 | 4.62 | 4.62 | 3.08 | 3.08 | 186.365 | 167.496 | 0.10 |
| 1J | 93-158.904  | 17.799  | 29.959  | 4.62 | 4.62 | 3.08 | 3.08 | 186.365 | 268.510 | 0.11 |
| 1K | 93-158.904  | 6.487   | -10.726 | 4.62 | 4.62 | 3.08 | 3.08 | 103.880 | 167.496 | 0.06 |
| 1L | 93-158.904  | 6.487   | 29.959  | 4.62 | 4.62 | 3.08 | 3.08 | 103.880 | 268.510 | 0.11 |
| 1M | 93 -92.138  | 17.799  | -10.726 | 4.62 | 4.62 | 3.08 | 3.08 | 173.318 | 234.526 | 0.10 |
| 1N | 93 -92.138  | 17.799  | 29.959  | 4.62 | 4.62 | 3.08 | 3.08 | 173.318 | 224.354 | 0.13 |
| 1O | 93 -92.138  | 6.487   | -10.726 | 4.62 | 4.62 | 3.08 | 3.08 | 150.578 | 234.526 | 0.05 |
| 1P | 93 -92.138  | 6.487   | 29.959  | 4.62 | 4.62 | 3.08 | 3.08 | 150.578 | 224.354 | 0.13 |
| 1A | 100-161.423 | 13.890  | -37.784 | 4.62 | 4.62 | 3.08 | 3.08 | 167.345 | 257.919 | 0.15 |
| 1B | 100-161.423 | 13.890  | 55.790  | 4.62 | 4.62 | 3.08 | 3.08 | 167.345 | 214.340 | 0.26 |
| 1C | 100-161.423 | 9.350   | -37.784 | 4.62 | 4.62 | 3.08 | 3.08 | 133.530 | 257.919 | 0.15 |
| 1D | 100-161.423 | 9.350   | 55.790  | 4.62 | 4.62 | 3.08 | 3.08 | 133.530 | 214.340 | 0.26 |
| 1E | 100 -88.777 | 13.890  | -37.784 | 4.62 | 4.62 | 3.08 | 3.08 | 190.305 | 180.567 | 0.21 |
| 1F | 100 -88.777 | 13.890  | 55.790  | 4.62 | 4.62 | 3.08 | 3.08 | 190.305 | 134.915 | 0.41 |
| 1G | 100 -88.777 | 9.350   | -37.784 | 4.62 | 4.62 | 3.08 | 3.08 | 182.317 | 180.567 | 0.21 |
| 1H | 100 -88.777 | 9.350   | 55.790  | 4.62 | 4.62 | 3.08 | 3.08 | 182.317 | 134.915 | 0.41 |
| 1I | 100-158.483 | 16.392  | -14.488 | 4.62 | 4.62 | 3.08 | 3.08 | 181.080 | 205.597 | 0.09 |
| 1J | 100-158.483 | 16.392  | 32.494  | 4.62 | 4.62 | 3.08 | 3.08 | 181.080 | 266.178 | 0.12 |
| 1K | 100-158.483 | 6.848   | -14.488 | 4.62 | 4.62 | 3.08 | 3.08 | 108.511 | 205.597 | 0.07 |
| 1L | 100-158.483 | 6.848   | 32.494  | 4.62 | 4.62 | 3.08 | 3.08 | 108.511 | 266.178 | 0.12 |
| 1M | 100 -91.717 | 16.392  | -14.488 | 4.62 | 4.62 | 3.08 | 3.08 | 181.154 | 264.212 | 0.09 |
| 1N | 100 -91.717 | 16.392  | 32.494  | 4.62 | 4.62 | 3.08 | 3.08 | 181.154 | 210.244 | 0.15 |
| 1O | 100 -91.717 | 6.848   | -14.488 | 4.62 | 4.62 | 3.08 | 3.08 | 155.617 | 264.212 | 0.05 |
| 1P | 100 -91.717 | 6.848   | 32.494  | 4.62 | 4.62 | 3.08 | 3.08 | 155.617 | 210.244 | 0.15 |

ASTA NUM. 14 NI 123 NF 142 SEZ. Rp B= 0.400 H= 0.600 (pilastro)

PIL. NUM. 15

Copriferro: 3.0 cm

| NC | x         | Fx      | My      | Mz   | APOST | AANT | AINF | ASUP    | My.Res. | Mz.Res. | I.R.  | Note |
|----|-----------|---------|---------|------|-------|------|------|---------|---------|---------|-------|------|
|    | cm        | kN      | kN*m    |      |       |      |      |         | kN*m    |         | Fx, M |      |
| 1A | 0-179.697 | 0.127   | 63.813  | 4.62 | 4.62  | 3.08 | 3.08 | 1.972   | 209.858 | 0.30    |       |      |
| 1B | 0-179.697 | 0.127   | -49.637 | 4.62 | 4.62  | 3.08 | 3.08 | 1.972   | 242.607 | 0.20    |       |      |
| 1C | 0-179.697 | -11.037 | 63.813  | 4.62 | 4.62  | 3.08 | 3.08 | 138.670 | 209.858 | 0.30    |       |      |
| 1D | 0-179.697 | -11.037 | -49.637 | 4.62 | 4.62  | 3.08 | 3.08 | 138.670 | 242.607 | 0.20    |       |      |
| 1E | 0-160.703 | 0.127   | 63.813  | 4.62 | 4.62  | 3.08 | 3.08 | 2.261   | 191.587 | 0.33    |       |      |
| 1F | 0-160.703 | 0.127   | -49.637 | 4.62 | 4.62  | 3.08 | 3.08 | 2.261   | 231.612 | 0.21    |       |      |
| 1G | 0-160.703 | -11.037 | 63.813  | 4.62 | 4.62  | 3.08 | 3.08 | 148.428 | 191.587 | 0.33    |       |      |
| 1H | 0-160.703 | -11.037 | -49.637 | 4.62 | 4.62  | 3.08 | 3.08 | 148.428 | 231.612 | 0.21    |       |      |
| 1I | 0-182.440 | 7.094   | 33.524  | 4.62 | 4.62  | 3.08 | 3.08 | 100.068 | 268.721 | 0.12    |       |      |
| 1J | 0-182.440 | 7.094   | -19.348 | 4.62 | 4.62  | 3.08 | 3.08 | 100.068 | 223.723 | 0.09    |       |      |
| 1K | 0-182.440 | -18.004 | 33.524  | 4.62 | 4.62  | 3.08 | 3.08 | 177.765 | 268.721 | 0.12    |       |      |
| 1L | 0-182.440 | -18.004 | -19.348 | 4.62 | 4.62  | 3.08 | 3.08 | 177.765 | 223.723 | 0.10    |       |      |
| 1M | 0-157.960 | 7.094   | 33.524  | 4.62 | 4.62  | 3.08 | 3.08 | 111.703 | 264.524 | 0.13    |       |      |
| 1N | 0-157.960 | 7.094   | -19.348 | 4.62 | 4.62  | 3.08 | 3.08 | 111.703 | 240.150 | 0.08    |       |      |
| 1O | 0-157.960 | -18.004 | 33.524  | 4.62 | 4.62  | 3.08 | 3.08 | 187.463 | 264.524 | 0.13    |       |      |
| 1P | 0-157.960 | -18.004 | -19.348 | 4.62 | 4.62  | 3.08 | 3.08 | 187.463 | 240.150 | 0.10    |       |      |
| 1A | 4-179.486 | -1.545  | 61.392  | 4.62 | 4.62  | 3.08 | 3.08 | 26.244  | 216.052 | 0.28    |       |      |
| 1B | 4-179.486 | -1.545  | -43.567 | 4.62 | 4.62  | 3.08 | 3.08 | 26.244  | 254.860 | 0.17    |       |      |
| 1C | 4-179.486 | -12.499 | 61.392  | 4.62 | 4.62  | 3.08 | 3.08 | 149.631 | 216.052 | 0.28    |       |      |
| 1D | 4-179.486 | -12.499 | -43.567 | 4.62 | 4.62  | 3.08 | 3.08 | 149.631 | 254.860 | 0.17    |       |      |
| 1E | 4-160.492 | -1.545  | 61.392  | 4.62 | 4.62  | 3.08 | 3.08 | 29.235  | 197.653 | 0.31    |       |      |
| 1F | 4-160.492 | -1.545  | -43.567 | 4.62 | 4.62  | 3.08 | 3.08 | 29.235  | 244.330 | 0.18    |       |      |
| 1G | 4-160.492 | -12.499 | 61.392  | 4.62 | 4.62  | 3.08 | 3.08 | 159.183 | 197.653 | 0.31    |       |      |
| 1H | 4-160.492 | -12.499 | -43.567 | 4.62 | 4.62  | 3.08 | 3.08 | 159.183 | 244.330 | 0.18    |       |      |
| 1I | 4-182.230 | 5.245   | 33.291  | 4.62 | 4.62  | 3.08 | 3.08 | 78.311  | 268.736 | 0.12    |       |      |
| 1J | 4-182.230 | 5.245   | -15.466 | 4.62 | 4.62  | 3.08 | 3.08 | 78.311  | 196.318 | 0.08    |       |      |
| 1K | 4-182.230 | -19.289 | 33.291  | 4.62 | 4.62  | 3.08 | 3.08 | 182.655 | 268.736 | 0.12    |       |      |
| 1L | 4-182.230 | -19.289 | -15.466 | 4.62 | 4.62  | 3.08 | 3.08 | 182.655 | 196.318 | 0.11    |       |      |
| 1M | 4-157.749 | 5.245   | 33.291  | 4.62 | 4.62  | 3.08 | 3.08 | 88.158  | 264.821 | 0.13    |       |      |
| 1N | 4-157.749 | 5.245   | -15.466 | 4.62 | 4.62  | 3.08 | 3.08 | 88.158  | 214.227 | 0.07    |       |      |

|    |             |         |         |      |      |      |      |         |         |      |
|----|-------------|---------|---------|------|------|------|------|---------|---------|------|
| 1O | 4-157.749   | -19.289 | 33.291  | 4.62 | 4.62 | 3.08 | 3.08 | 191.673 | 264.821 | 0.13 |
| 1P | 4-157.749   | -19.289 | -15.466 | 4.62 | 4.62 | 3.08 | 3.08 | 191.673 | 214.227 | 0.10 |
| 1A | 7-179.276   | -0.779  | 56.134  | 4.62 | 4.62 | 3.08 | 3.08 | 13.455  | 230.310 | 0.24 |
| 1B | 7-179.276   | -0.779  | -40.335 | 4.62 | 4.62 | 3.08 | 3.08 | 13.455  | 260.895 | 0.15 |
| 1C | 7-179.276   | -11.524 | 56.134  | 4.62 | 4.62 | 3.08 | 3.08 | 142.662 | 230.310 | 0.24 |
| 1D | 7-179.276   | -11.524 | -40.335 | 4.62 | 4.62 | 3.08 | 3.08 | 142.662 | 260.895 | 0.15 |
| 1E | 7-160.282   | -0.779  | 56.134  | 4.62 | 4.62 | 3.08 | 3.08 | 15.090  | 212.154 | 0.26 |
| 1F | 7-160.282   | -0.779  | -40.335 | 4.62 | 4.62 | 3.08 | 3.08 | 15.090  | 251.615 | 0.16 |
| 1G | 7-160.282   | -11.524 | 56.134  | 4.62 | 4.62 | 3.08 | 3.08 | 152.393 | 212.154 | 0.26 |
| 1H | 7-160.282   | -11.524 | -40.335 | 4.62 | 4.62 | 3.08 | 3.08 | 152.393 | 251.615 | 0.16 |
| 1I | 7-182.019   | 5.832   | 30.219  | 4.62 | 4.62 | 3.08 | 3.08 | 85.507  | 267.278 | 0.11 |
| 1J | 7-182.019   | 5.832   | -14.421 | 4.62 | 4.62 | 3.08 | 3.08 | 85.507  | 187.571 | 0.08 |
| 1K | 7-182.019   | -18.136 | 30.219  | 4.62 | 4.62 | 3.08 | 3.08 | 178.455 | 267.278 | 0.11 |
| 1L | 7-182.019   | -18.136 | -14.421 | 4.62 | 4.62 | 3.08 | 3.08 | 178.455 | 187.571 | 0.10 |
| 1M | 7-157.538   | 5.832   | 30.219  | 4.62 | 4.62 | 3.08 | 3.08 | 96.219  | 268.236 | 0.11 |
| 1N | 7-157.538   | 5.832   | -14.421 | 4.62 | 4.62 | 3.08 | 3.08 | 96.219  | 205.766 | 0.07 |
| 1O | 7-157.538   | -18.136 | 30.219  | 4.62 | 4.62 | 3.08 | 3.08 | 188.081 | 268.236 | 0.11 |
| 1P | 7-157.538   | -18.136 | -14.421 | 4.62 | 4.62 | 3.08 | 3.08 | 188.081 | 205.766 | 0.10 |
| 1A | 93-174.218  | 17.588  | -70.077 | 4.62 | 4.62 | 3.08 | 3.08 | 179.387 | 189.495 | 0.37 |
| 1B | 93-174.218  | 17.588  | 37.230  | 4.62 | 4.62 | 3.08 | 3.08 | 179.387 | 264.148 | 0.14 |
| 1C | 93-174.218  | 11.872  | -70.077 | 4.62 | 4.62 | 3.08 | 3.08 | 147.745 | 189.495 | 0.37 |
| 1D | 93-174.218  | 11.872  | 37.230  | 4.62 | 4.62 | 3.08 | 3.08 | 147.745 | 264.148 | 0.14 |
| 1E | 93-155.224  | 17.588  | -70.077 | 4.62 | 4.62 | 3.08 | 3.08 | 187.093 | 171.871 | 0.41 |
| 1F | 93-155.224  | 17.588  | 37.230  | 4.62 | 4.62 | 3.08 | 3.08 | 187.093 | 255.910 | 0.15 |
| 1G | 93-155.224  | 11.872  | -70.077 | 4.62 | 4.62 | 3.08 | 3.08 | 157.658 | 171.871 | 0.41 |
| 1H | 93-155.224  | 11.872  | 37.230  | 4.62 | 4.62 | 3.08 | 3.08 | 157.658 | 255.910 | 0.15 |
| 1I | 93-176.962  | 19.935  | -43.491 | 4.62 | 4.62 | 3.08 | 3.08 | 186.727 | 253.767 | 0.17 |
| 1J | 93-176.962  | 19.935  | 10.644  | 4.62 | 4.62 | 3.08 | 3.08 | 186.727 | 153.590 | 0.11 |
| 1K | 93-176.962  | 9.525   | -43.491 | 4.62 | 4.62 | 3.08 | 3.08 | 127.124 | 253.767 | 0.17 |
| 1L | 93-176.962  | 9.525   | 10.644  | 4.62 | 4.62 | 3.08 | 3.08 | 127.124 | 153.590 | 0.07 |
| 1M | 93-152.481  | 19.935  | -43.491 | 4.62 | 4.62 | 3.08 | 3.08 | 193.663 | 239.424 | 0.18 |
| 1N | 93-152.481  | 19.935  | 10.644  | 4.62 | 4.62 | 3.08 | 3.08 | 193.663 | 171.652 | 0.10 |
| 1O | 93-152.481  | 9.525   | -43.491 | 4.62 | 4.62 | 3.08 | 3.08 | 140.149 | 239.424 | 0.18 |
| 1P | 93-152.481  | 9.525   | 10.644  | 4.62 | 4.62 | 3.08 | 3.08 | 140.149 | 171.652 | 0.07 |
| 1A | 100-173.797 | 16.682  | -77.756 | 4.62 | 4.62 | 3.08 | 3.08 | 175.742 | 173.159 | 0.45 |
| 1B | 100-173.797 | 16.682  | 46.532  | 4.62 | 4.62 | 3.08 | 3.08 | 175.742 | 245.688 | 0.19 |
| 1C | 100-173.797 | 11.384  | -77.756 | 4.62 | 4.62 | 3.08 | 3.08 | 144.305 | 173.159 | 0.45 |
| 1D | 100-173.797 | 11.384  | 46.532  | 4.62 | 4.62 | 3.08 | 3.08 | 144.305 | 245.688 | 0.19 |
| 1E | 100-154.803 | 16.682  | -77.756 | 4.62 | 4.62 | 3.08 | 3.08 | 183.854 | 157.873 | 0.49 |
| 1F | 100-154.803 | 16.682  | 46.532  | 4.62 | 4.62 | 3.08 | 3.08 | 183.854 | 234.246 | 0.20 |
| 1G | 100-154.803 | 11.384  | -77.756 | 4.62 | 4.62 | 3.08 | 3.08 | 154.327 | 157.873 | 0.49 |
| 1H | 100-154.803 | 11.384  | 46.532  | 4.62 | 4.62 | 3.08 | 3.08 | 154.327 | 234.246 | 0.20 |
| 1I | 100-176.540 | 18.673  | -46.795 | 4.62 | 4.62 | 3.08 | 3.08 | 182.608 | 246.668 | 0.19 |
| 1J | 100-176.540 | 18.673  | 15.571  | 4.62 | 4.62 | 3.08 | 3.08 | 182.608 | 201.137 | 0.10 |
| 1K | 100-176.540 | 9.393   | -46.795 | 4.62 | 4.62 | 3.08 | 3.08 | 126.120 | 246.668 | 0.19 |
| 1L | 100-176.540 | 9.393   | 15.571  | 4.62 | 4.62 | 3.08 | 3.08 | 126.120 | 201.137 | 0.08 |
| 1M | 100-152.060 | 18.673  | -46.795 | 4.62 | 4.62 | 3.08 | 3.08 | 191.921 | 231.965 | 0.20 |
| 1N | 100-152.060 | 18.673  | 15.571  | 4.62 | 4.62 | 3.08 | 3.08 | 191.921 | 219.524 | 0.10 |
| 1O | 100-152.060 | 9.393   | -46.795 | 4.62 | 4.62 | 3.08 | 3.08 | 139.168 | 231.965 | 0.20 |
| 1P | 100-152.060 | 9.393   | 15.571  | 4.62 | 4.62 | 3.08 | 3.08 | 139.168 | 219.524 | 0.07 |

ASTA NUM. 15 NI 98 NF 141 SEZ. Rp B= 0.600 H= 0.400 (pilastro)

PIL. NUM. 16

Copriferro: 3.0 cm

| NC | x         | Fx      | My      | Mz | APOST | AANT | AINF | ASUP | My.Res. | Mz.Res. | I.R. | Note |
|----|-----------|---------|---------|----|-------|------|------|------|---------|---------|------|------|
|    | cm        | kN      | kN*m    |    | cmq   |      |      |      | kN*m    |         | Fx,M |      |
| 1A | 0-179.318 | 13.618  | 0.950   |    | 3.08  | 3.08 | 4.62 | 4.62 | 182.207 | 16.455  | 0.07 |      |
| 1B | 0-179.318 | 13.618  | -57.980 |    | 3.08  | 3.08 | 4.62 | 4.62 | 182.207 | 107.681 | 0.54 |      |
| 1C | 0-179.318 | -6.506  | 0.950   |    | 3.08  | 3.08 | 4.62 | 4.62 | 101.282 | 16.455  | 0.07 |      |
| 1D | 0-179.318 | -6.506  | -57.980 |    | 3.08  | 3.08 | 4.62 | 4.62 | 101.282 | 107.681 | 0.54 |      |
| 1E | 0-158.282 | 13.618  | 0.950   |    | 3.08  | 3.08 | 4.62 | 4.62 | 198.031 | 18.520  | 0.07 |      |
| 1F | 0-158.282 | 13.618  | -57.980 |    | 3.08  | 3.08 | 4.62 | 4.62 | 198.031 | 96.587  | 0.60 |      |
| 1G | 0-158.282 | -6.506  | 0.950   |    | 3.08  | 3.08 | 4.62 | 4.62 | 112.730 | 18.520  | 0.06 |      |
| 1H | 0-158.282 | -6.506  | -57.980 |    | 3.08  | 3.08 | 4.62 | 4.62 | 112.730 | 96.587  | 0.60 |      |
| 1I | 0-186.697 | 24.465  | -15.291 |    | 3.08  | 3.08 | 4.62 | 4.62 | 247.239 | 163.356 | 0.10 |      |
| 1J | 0-186.697 | 24.465  | -41.739 |    | 3.08  | 3.08 | 4.62 | 4.62 | 247.239 | 155.074 | 0.27 |      |
| 1K | 0-186.697 | -17.353 | -15.291 |    | 3.08  | 3.08 | 4.62 | 4.62 | 207.658 | 163.356 | 0.09 |      |
| 1L | 0-186.697 | -17.353 | -41.739 |    | 3.08  | 3.08 | 4.62 | 4.62 | 207.658 | 155.074 | 0.27 |      |
| 1M | 0-150.903 | 24.465  | -15.291 |    | 3.08  | 3.08 | 4.62 | 4.62 | 266.233 | 179.649 | 0.09 |      |
| 1N | 0-150.903 | 24.465  | -41.739 |    | 3.08  | 3.08 | 4.62 | 4.62 | 266.233 | 126.292 | 0.33 |      |
| 1O | 0-150.903 | -17.353 | -15.291 |    | 3.08  | 3.08 | 4.62 | 4.62 | 233.146 | 179.649 | 0.09 |      |
| 1P | 0-150.903 | -17.353 | -41.739 |    | 3.08  | 3.08 | 4.62 | 4.62 | 233.146 | 126.292 | 0.33 |      |
| 1A | 4-179.107 | 14.444  | -7.252  |    | 3.08  | 3.08 | 4.62 | 4.62 | 189.822 | 103.209 | 0.08 |      |
| 1B | 4-179.107 | 14.444  | -62.526 |    | 3.08  | 3.08 | 4.62 | 4.62 | 189.822 | 100.498 | 0.62 |      |
| 1C | 4-179.107 | -4.371  | -7.252  |    | 3.08  | 3.08 | 4.62 | 4.62 | 71.449  | 103.209 | 0.07 |      |
| 1D | 4-179.107 | -4.371  | -62.526 |    | 3.08  | 3.08 | 4.62 | 4.62 | 71.449  | 100.498 | 0.62 |      |
| 1E | 4-158.071 | 14.444  | -7.252  |    | 3.08  | 3.08 | 4.62 | 4.62 | 205.544 | 113.475 | 0.07 |      |
| 1F | 4-158.071 | 14.444  | -62.526 |    | 3.08  | 3.08 | 4.62 | 4.62 | 205.544 | 91.162  | 0.69 |      |
| 1G | 4-158.071 | -4.371  | -7.252  |    | 3.08  | 3.08 | 4.62 | 4.62 | 79.841  | 113.475 | 0.06 |      |
| 1H | 4-158.071 | -4.371  | -62.526 |    | 3.08  | 3.08 | 4.62 | 4.62 | 79.841  | 91.162  | 0.69 |      |
| 1I | 4-186.487 | 25.663  | -22.493 |    | 3.08  | 3.08 | 4.62 | 4.62 | 252.083 | 190.880 | 0.12 |      |
| 1J | 4-186.487 | 25.663  | -47.285 |    | 3.08  | 3.08 | 4.62 | 4.62 | 252.083 | 137.911 | 0.34 |      |
| 1K | 4-186.487 | -15.590 | -22.493 |    | 3.08  | 3.08 | 4.62 | 4.62 | 194.402 | 190.880 | 0.12 |      |
| 1L | 4-186.487 | -15.590 | -47.285 |    | 3.08  | 3.08 | 4.62 | 4.62 | 194.402 | 137.911 | 0.34 |      |
| 1M | 4-150.692 | 25.663  | -22.493 |    | 3.08  | 3.08 | 4.62 | 4.62 | 267.969 | 192.170 | 0.12 |      |
| 1N | 4-150.692 | 25.663  | -47.285 |    | 3.08  | 3.08 | 4.62 | 4.62 | 267.969 | 110.879 | 0.43 |      |
| 1O | 4-150.692 | -15.590 | -22.493 |    | 3.08  | 3.08 | 4.62 | 4.62 | 220.763 | 192.170 | 0.12 |      |
| 1P | 4-150.692 | -15.590 | -47.285 |    | 3.08  | 3.08 | 4.62 | 4.62 | 220.763 | 110.879 | 0.43 |      |
| 1A | 7-178.897 | 12.968  | -5.539  |    | 3.08  | 3.08 | 4.62 | 4.62 | 176.348 | 83.094  | 0.07 |      |
| 1B | 7-178.897 | 12.968  | -57.157 |    | 3.08  | 3.08 | 4.62 | 4.62 | 176.348 | 108.927 | 0.52 |      |



|    |           |         |         |      |      |      |      |         |         |      |
|----|-----------|---------|---------|------|------|------|------|---------|---------|------|
| 1C | 7-178.897 | -4.539  | -5.539  | 3.08 | 3.08 | 4.62 | 4.62 | 73.861  | 83.094  | 0.07 |
| 1D | 7-178.897 | -4.539  | -57.157 | 3.08 | 3.08 | 4.62 | 4.62 | 73.861  | 108.927 | 0.52 |
| 1E | 7-157.861 | 12.968  | -5.539  | 3.08 | 3.08 | 4.62 | 4.62 | 192.166 | 92.131  | 0.07 |
| 1F | 7-157.861 | 12.968  | -57.157 | 3.08 | 3.08 | 4.62 | 4.62 | 192.166 | 97.494  | 0.59 |
| 1G | 7-157.861 | -4.539  | -5.539  | 3.08 | 3.08 | 4.62 | 4.62 | 82.689  | 92.131  | 0.06 |
| 1H | 7-157.861 | -4.539  | -57.157 | 3.08 | 3.08 | 4.62 | 4.62 | 82.689  | 97.494  | 0.59 |
| 1I | 7-186.276 | 24.559  | -19.779 | 3.08 | 3.08 | 4.62 | 4.62 | 247.855 | 182.869 | 0.11 |
| 1J | 7-186.276 | 24.559  | -42.916 | 3.08 | 3.08 | 4.62 | 4.62 | 247.855 | 151.026 | 0.28 |
| 1K | 7-186.276 | -16.131 | -19.779 | 3.08 | 3.08 | 4.62 | 4.62 | 198.842 | 182.869 | 0.11 |
| 1L | 7-186.276 | -16.131 | -42.916 | 3.08 | 3.08 | 4.62 | 4.62 | 198.842 | 151.026 | 0.28 |
| 1M | 7-150.481 | 24.559  | -19.779 | 3.08 | 3.08 | 4.62 | 4.62 | 266.680 | 193.702 | 0.10 |
| 1N | 7-150.481 | 24.559  | -42.916 | 3.08 | 3.08 | 4.62 | 4.62 | 266.680 | 122.466 | 0.35 |
| 1O | 7-150.481 | -16.131 | -19.779 | 3.08 | 3.08 | 4.62 | 4.62 | 224.993 | 193.702 | 0.10 |
| 1P | 7-150.481 | -16.131 | -42.916 | 3.08 | 3.08 | 4.62 | 4.62 | 224.993 | 122.466 | 0.35 |

|    |            |         |        |      |      |      |      |         |         |      |
|----|------------|---------|--------|------|------|------|------|---------|---------|------|
| 1A | 93-173.839 | -22.475 | 35.571 | 3.08 | 3.08 | 4.62 | 4.62 | 245.857 | 166.556 | 0.21 |
| 1B | 93-173.839 | -22.475 | 71.705 | 3.08 | 3.08 | 4.62 | 4.62 | 245.857 | 88.566  | 0.81 |
| 1C | 93-173.839 | -8.576  | 35.571 | 3.08 | 3.08 | 4.62 | 4.62 | 131.112 | 166.556 | 0.21 |
| 1D | 93-173.839 | -8.576  | 71.705 | 3.08 | 3.08 | 4.62 | 4.62 | 131.112 | 88.566  | 0.81 |
| 1E | 93-152.803 | -22.475 | 35.571 | 3.08 | 3.08 | 4.62 | 4.62 | 258.225 | 149.625 | 0.24 |
| 1F | 93-152.803 | -22.475 | 71.705 | 3.08 | 3.08 | 4.62 | 4.62 | 258.225 | 81.871  | 0.88 |
| 1G | 93-152.803 | -8.576  | 35.571 | 3.08 | 3.08 | 4.62 | 4.62 | 145.638 | 149.625 | 0.24 |
| 1H | 93-152.803 | -8.576  | 71.705 | 3.08 | 3.08 | 4.62 | 4.62 | 145.638 | 81.871  | 0.88 |
| 1I | 93-181.219 | -1.954  | 45.339 | 3.08 | 3.08 | 4.62 | 4.62 | 33.198  | 139.751 | 0.32 |
| 1J | 93-181.219 | -1.954  | 61.936 | 3.08 | 3.08 | 4.62 | 4.62 | 33.198  | 102.364 | 0.60 |
| 1K | 93-181.219 | -29.096 | 45.339 | 3.08 | 3.08 | 4.62 | 4.62 | 265.487 | 139.751 | 0.32 |
| 1L | 93-181.219 | -29.096 | 61.936 | 3.08 | 3.08 | 4.62 | 4.62 | 265.487 | 102.364 | 0.60 |
| 1M | 93-145.424 | -1.954  | 45.339 | 3.08 | 3.08 | 4.62 | 4.62 | 41.082  | 111.597 | 0.41 |
| 1N | 93-145.424 | -1.954  | 61.936 | 3.08 | 3.08 | 4.62 | 4.62 | 41.082  | 86.732  | 0.71 |
| 1O | 93-145.424 | -29.096 | 45.339 | 3.08 | 3.08 | 4.62 | 4.62 | 267.112 | 111.597 | 0.41 |
| 1P | 93-145.424 | -29.096 | 61.936 | 3.08 | 3.08 | 4.62 | 4.62 | 267.112 | 86.732  | 0.71 |

|    |             |         |        |      |      |      |      |         |         |      |
|----|-------------|---------|--------|------|------|------|------|---------|---------|------|
| 1A | 100-173.418 | -23.125 | 29.082 | 3.08 | 3.08 | 4.62 | 4.62 | 248.996 | 186.257 | 0.16 |
| 1B | 100-173.418 | -23.125 | 72.528 | 3.08 | 3.08 | 4.62 | 4.62 | 248.996 | 87.758  | 0.83 |
| 1C | 100-173.418 | -6.609  | 29.082 | 3.08 | 3.08 | 4.62 | 4.62 | 105.678 | 186.257 | 0.16 |
| 1D | 100-173.418 | -6.609  | 72.528 | 3.08 | 3.08 | 4.62 | 4.62 | 105.678 | 87.758  | 0.83 |
| 1E | 100-152.382 | -23.125 | 29.082 | 3.08 | 3.08 | 4.62 | 4.62 | 260.928 | 174.640 | 0.17 |
| 1F | 100-152.382 | -23.125 | 72.528 | 3.08 | 3.08 | 4.62 | 4.62 | 260.928 | 81.234  | 0.89 |
| 1G | 100-152.382 | -6.609  | 29.082 | 3.08 | 3.08 | 4.62 | 4.62 | 117.958 | 174.640 | 0.17 |
| 1H | 100-152.382 | -6.609  | 72.528 | 3.08 | 3.08 | 4.62 | 4.62 | 117.958 | 81.234  | 0.89 |
| 1I | 100-180.797 | -1.861  | 40.851 | 3.08 | 3.08 | 4.62 | 4.62 | 31.839  | 153.651 | 0.27 |
| 1J | 100-180.797 | -1.861  | 60.759 | 3.08 | 3.08 | 4.62 | 4.62 | 31.839  | 103.891 | 0.58 |
| 1K | 100-180.797 | -27.873 | 40.851 | 3.08 | 3.08 | 4.62 | 4.62 | 262.244 | 153.651 | 0.27 |
| 1L | 100-180.797 | -27.873 | 60.759 | 3.08 | 3.08 | 4.62 | 4.62 | 262.244 | 103.891 | 0.58 |
| 1M | 100-145.003 | -1.861  | 40.851 | 3.08 | 3.08 | 4.62 | 4.62 | 39.303  | 123.976 | 0.33 |
| 1N | 100-145.003 | -1.861  | 60.759 | 3.08 | 3.08 | 4.62 | 4.62 | 39.303  | 87.649  | 0.69 |
| 1O | 100-145.003 | -27.873 | 40.851 | 3.08 | 3.08 | 4.62 | 4.62 | 268.195 | 123.976 | 0.33 |
| 1P | 100-145.003 | -27.873 | 60.759 | 3.08 | 3.08 | 4.62 | 4.62 | 268.195 | 87.649  | 0.69 |

ASTA NUM. 16 NI 97 NF 146 SEZ. Rp B= 0.600 H= 0.400 (pilastro)

PIL. NUM. 17

Copriferro: 3.0 cm

| NC | x  | Fx      | My      | Mz      | APOST | AANT | AINF | ASUP | My.Res. | Mz.Res. | I.R.  | Note |
|----|----|---------|---------|---------|-------|------|------|------|---------|---------|-------|------|
|    | cm | kN      | kN*m    |         |       |      |      |      | kN*m    |         | Fx, M |      |
| 1A | 0  | -97.233 | 9.537   | 49.549  | 3.08  | 3.08 | 4.62 | 4.62 | 214.286 | 78.402  | 0.63  |      |
| 1B | 0  | -97.233 | 9.537   | -51.637 | 3.08  | 3.08 | 4.62 | 4.62 | 214.286 | 76.860  | 0.67  |      |
| 1C | 0  | -97.233 | -5.879  | 49.549  | 3.08  | 3.08 | 4.62 | 4.62 | 154.202 | 78.402  | 0.63  |      |
| 1D | 0  | -97.233 | -5.879  | -51.637 | 3.08  | 3.08 | 4.62 | 4.62 | 154.202 | 76.860  | 0.67  |      |
| 1E | 0  | -91.147 | 9.537   | 49.549  | 3.08  | 3.08 | 4.62 | 4.62 | 222.119 | 76.038  | 0.65  |      |
| 1F | 0  | -91.147 | 9.537   | -51.637 | 3.08  | 3.08 | 4.62 | 4.62 | 222.119 | 74.667  | 0.69  |      |
| 1G | 0  | -91.147 | -5.879  | 49.549  | 3.08  | 3.08 | 4.62 | 4.62 | 161.951 | 76.038  | 0.65  |      |
| 1H | 0  | -91.147 | -5.879  | -51.637 | 3.08  | 3.08 | 4.62 | 4.62 | 161.951 | 74.667  | 0.69  |      |
| 1I | 0  | -97.483 | 17.337  | 22.850  | 3.08  | 3.08 | 4.62 | 4.62 | 268.649 | 148.667 | 0.15  |      |
| 1J | 0  | -97.483 | 17.337  | -24.938 | 3.08  | 3.08 | 4.62 | 4.62 | 268.649 | 136.681 | 0.18  |      |
| 1K | 0  | -97.483 | -13.678 | 22.850  | 3.08  | 3.08 | 4.62 | 4.62 | 253.929 | 148.667 | 0.15  |      |
| 1L | 0  | -97.483 | -13.678 | -24.938 | 3.08  | 3.08 | 4.62 | 4.62 | 253.929 | 136.681 | 0.18  |      |
| 1M | 0  | -90.897 | 17.337  | 22.850  | 3.08  | 3.08 | 4.62 | 4.62 | 268.338 | 139.113 | 0.16  |      |
| 1N | 0  | -90.897 | 17.337  | -24.938 | 3.08  | 3.08 | 4.62 | 4.62 | 268.338 | 127.334 | 0.20  |      |
| 1O | 0  | -90.897 | -13.678 | 22.850  | 3.08  | 3.08 | 4.62 | 4.62 | 260.211 | 139.113 | 0.16  |      |
| 1P | 0  | -90.897 | -13.678 | -24.938 | 3.08  | 3.08 | 4.62 | 4.62 | 260.211 | 127.334 | 0.20  |      |
| 1A | 4  | -97.022 | 9.198   | 47.471  | 3.08  | 3.08 | 4.62 | 4.62 | 210.097 | 80.045  | 0.59  |      |
| 1B | 4  | -97.022 | 9.198   | -49.578 | 3.08  | 3.08 | 4.62 | 4.62 | 210.097 | 78.296  | 0.63  |      |
| 1C | 4  | -97.022 | -5.051  | 47.471  | 3.08  | 3.08 | 4.62 | 4.62 | 137.029 | 80.045  | 0.59  |      |
| 1D | 4  | -97.022 | -5.051  | -49.578 | 3.08  | 3.08 | 4.62 | 4.62 | 137.029 | 78.296  | 0.63  |      |
| 1E | 4  | -90.937 | 9.198   | 47.471  | 3.08  | 3.08 | 4.62 | 4.62 | 218.031 | 77.488  | 0.61  |      |
| 1F | 4  | -90.937 | 9.198   | -49.578 | 3.08  | 3.08 | 4.62 | 4.62 | 218.031 | 75.938  | 0.65  |      |
| 1G | 4  | -90.937 | -5.051  | 47.471  | 3.08  | 3.08 | 4.62 | 4.62 | 144.422 | 77.488  | 0.61  |      |
| 1H | 4  | -90.937 | -5.051  | -49.578 | 3.08  | 3.08 | 4.62 | 4.62 | 144.422 | 75.938  | 0.65  |      |
| 1I | 4  | -97.273 | 16.380  | 21.860  | 3.08  | 3.08 | 4.62 | 4.62 | 267.689 | 154.378 | 0.14  |      |
| 1J | 4  | -97.273 | 16.380  | -23.967 | 3.08  | 3.08 | 4.62 | 4.62 | 267.689 | 141.899 | 0.17  |      |
| 1K | 4  | -97.273 | -12.233 | 21.860  | 3.08  | 3.08 | 4.62 | 4.62 | 242.974 | 154.378 | 0.14  |      |
| 1L | 4  | -97.273 | -12.233 | -23.967 | 3.08  | 3.08 | 4.62 | 4.62 | 242.974 | 141.899 | 0.17  |      |
| 1M | 4  | -90.686 | 16.380  | 21.860  | 3.08  | 3.08 | 4.62 | 4.62 | 268.730 | 144.875 | 0.15  |      |
| 1N | 4  | -90.686 | 16.380  | -23.967 | 3.08  | 3.08 | 4.62 | 4.62 | 268.730 | 132.249 | 0.18  |      |
| 1O | 4  | -90.686 | -12.233 | 21.860  | 3.08  | 3.08 | 4.62 | 4.62 | 250.140 | 144.875 | 0.15  |      |
| 1P | 4  | -90.686 | -12.233 | -23.967 | 3.08  | 3.08 | 4.62 | 4.62 | 250.140 | 132.249 | 0.18  |      |
| 1A | 7  | -96.812 | 8.479   | 45.400  | 3.08  | 3.08 | 4.62 | 4.62 | 200.252 | 81.902  | 0.55  |      |
| 1B | 7  | -96.812 | 8.479   | -47.512 | 3.08  | 3.08 | 4.62 | 4.62 | 200.252 | 79.918  | 0.59  |      |
| 1C | 7  | -96.812 | -4.603  | 45.400  | 3.08  | 3.08 | 4.62 | 4.62 | 127.339 | 81.902  | 0.55  |      |
| 1D | 7  | -96.812 | -4.603  | -47.512 | 3.08  | 3.08 | 4.62 | 4.62 | 127.339 | 79.918  | 0.59  |      |
| 1E | 7  | -90.726 | 8.479   | 45.400  | 3.08  | 3.08 | 4.62 | 4.62 | 208.327 | 79.122  | 0.57  |      |
| 1F | 7  | -90.726 | 8.479   | -47.512 | 3.08  | 3.08 | 4.62 | 4.62 | 208.327 | 77.370  | 0.61  |      |
| 1G | 7  | -90.726 | -4.603  | 45.400  | 3.08  | 3.08 | 4.62 | 4.62 | 134.174 | 79.122  | 0.57  |      |

|    |     |         |         |         |      |      |      |      |         |         |      |
|----|-----|---------|---------|---------|------|------|------|------|---------|---------|------|
| 1H | 7   | -90.726 | -4.603  | -47.512 | 3.08 | 3.08 | 4.62 | 4.62 | 134.174 | 77.370  | 0.61 |
| 1I | 7   | -97.063 | 15.044  | 20.877  | 3.08 | 3.08 | 4.62 | 4.62 | 262.680 | 160.206 | 0.13 |
| 1J | 7   | -97.063 | 15.044  | -22.989 | 3.08 | 3.08 | 4.62 | 4.62 | 262.680 | 147.257 | 0.16 |
| 1K | 7   | -97.063 | -11.168 | 20.877  | 3.08 | 3.08 | 4.62 | 4.62 | 233.210 | 160.206 | 0.13 |
| 1L | 7   | -97.063 | -11.168 | -22.989 | 3.08 | 3.08 | 4.62 | 4.62 | 233.210 | 147.257 | 0.16 |
| 1M | 7   | -90.476 | 15.044  | 20.877  | 3.08 | 3.08 | 4.62 | 4.62 | 267.324 | 150.817 | 0.14 |
| 1N | 7   | -90.476 | 15.044  | -22.989 | 3.08 | 3.08 | 4.62 | 4.62 | 267.324 | 137.618 | 0.17 |
| 1O | 7   | -90.476 | -11.168 | 20.877  | 3.08 | 3.08 | 4.62 | 4.62 | 240.984 | 150.817 | 0.14 |
| 1P | 7   | -90.476 | -11.168 | -22.989 | 3.08 | 3.08 | 4.62 | 4.62 | 240.984 | 137.618 | 0.17 |
| 1A | 93  | -91.764 | -8.783  | -4.314  | 3.08 | 3.08 | 4.62 | 4.62 | 211.271 | 115.536 | 0.04 |
| 1B | 93  | -91.764 | -8.783  | 2.081   | 3.08 | 3.08 | 4.62 | 4.62 | 211.271 | 63.784  | 0.04 |
| 1C | 93  | -91.764 | 6.147   | -4.314  | 3.08 | 3.08 | 4.62 | 4.62 | 166.566 | 115.536 | 0.04 |
| 1D | 93  | -91.764 | 6.147   | 2.081   | 3.08 | 3.08 | 4.62 | 4.62 | 166.566 | 63.784  | 0.04 |
| 1E | 93  | -85.678 | -8.783  | -4.314  | 3.08 | 3.08 | 4.62 | 4.62 | 219.649 | 121.374 | 0.04 |
| 1F | 93  | -85.678 | -8.783  | 2.081   | 3.08 | 3.08 | 4.62 | 4.62 | 219.649 | 67.726  | 0.04 |
| 1G | 93  | -85.678 | 6.147   | -4.314  | 3.08 | 3.08 | 4.62 | 4.62 | 175.066 | 121.374 | 0.04 |
| 1H | 93  | -85.678 | 6.147   | 2.081   | 3.08 | 3.08 | 4.62 | 4.62 | 175.066 | 67.726  | 0.04 |
| 1I | 93  | -92.014 | -17.030 | -2.714  | 3.08 | 3.08 | 4.62 | 4.62 | 268.686 | 79.928  | 0.06 |
| 1J | 93  | -92.014 | -17.030 | 0.480   | 3.08 | 3.08 | 4.62 | 4.62 | 268.686 | 16.184  | 0.06 |
| 1K | 93  | -92.014 | 14.395  | -2.714  | 3.08 | 3.08 | 4.62 | 4.62 | 263.438 | 79.928  | 0.05 |
| 1L | 93  | -92.014 | 14.395  | 0.480   | 3.08 | 3.08 | 4.62 | 4.62 | 263.438 | 16.184  | 0.05 |
| 1M | 93  | -85.427 | -17.030 | -2.714  | 3.08 | 3.08 | 4.62 | 4.62 | 267.232 | 84.889  | 0.06 |
| 1N | 93  | -85.427 | -17.030 | 0.480   | 3.08 | 3.08 | 4.62 | 4.62 | 267.232 | 17.311  | 0.06 |
| 1O | 93  | -85.427 | 14.395  | -2.714  | 3.08 | 3.08 | 4.62 | 4.62 | 267.707 | 84.889  | 0.05 |
| 1P | 93  | -85.427 | 14.395  | 0.480   | 3.08 | 3.08 | 4.62 | 4.62 | 267.707 | 17.311  | 0.05 |
| 1A | 100 | -91.343 | -9.841  | -8.450  | 3.08 | 3.08 | 4.62 | 4.62 | 225.593 | 172.984 | 0.05 |
| 1B | 100 | -91.343 | -9.841  | 6.220   | 3.08 | 3.08 | 4.62 | 4.62 | 225.593 | 147.691 | 0.04 |
| 1C | 100 | -91.343 | 7.423   | -8.450  | 3.08 | 3.08 | 4.62 | 4.62 | 190.792 | 172.984 | 0.05 |
| 1D | 100 | -91.343 | 7.423   | 6.220   | 3.08 | 3.08 | 4.62 | 4.62 | 190.792 | 147.691 | 0.04 |
| 1E | 100 | -85.257 | -9.841  | -8.450  | 3.08 | 3.08 | 4.62 | 4.62 | 233.572 | 178.078 | 0.05 |
| 1F | 100 | -85.257 | -9.841  | 6.220   | 3.08 | 3.08 | 4.62 | 4.62 | 233.572 | 153.649 | 0.04 |
| 1G | 100 | -85.257 | 7.423   | -8.450  | 3.08 | 3.08 | 4.62 | 4.62 | 199.516 | 178.078 | 0.05 |
| 1H | 100 | -85.257 | 7.423   | 6.220   | 3.08 | 3.08 | 4.62 | 4.62 | 199.516 | 153.649 | 0.04 |
| 1I | 100 | -91.593 | -19.323 | -4.672  | 3.08 | 3.08 | 4.62 | 4.62 | 264.837 | 122.484 | 0.07 |
| 1J | 100 | -91.593 | -19.323 | 2.442   | 3.08 | 3.08 | 4.62 | 4.62 | 264.837 | 73.407  | 0.07 |
| 1K | 100 | -91.593 | 16.905  | -4.672  | 3.08 | 3.08 | 4.62 | 4.62 | 268.702 | 122.484 | 0.06 |
| 1L | 100 | -91.593 | 16.905  | 2.442   | 3.08 | 3.08 | 4.62 | 4.62 | 268.702 | 73.407  | 0.06 |
| 1M | 100 | -85.007 | -19.323 | -4.672  | 3.08 | 3.08 | 4.62 | 4.62 | 260.158 | 128.950 | 0.07 |
| 1N | 100 | -85.007 | -19.323 | 2.442   | 3.08 | 3.08 | 4.62 | 4.62 | 260.158 | 78.201  | 0.07 |
| 1O | 100 | -85.007 | 16.905  | -4.672  | 3.08 | 3.08 | 4.62 | 4.62 | 267.311 | 128.950 | 0.06 |
| 1P | 100 | -85.007 | 16.905  | 2.442   | 3.08 | 3.08 | 4.62 | 4.62 | 267.311 | 78.201  | 0.06 |

ASTA NUM. 17 NI 107 NF 148 SEZ. Rp B= 0.600 H= 0.300 (pilastro)

PILL. NUM. 8

Copriferro: 3.0 cm

| NC | x  | Fx      | My     | Mz     | APOST | AANT | AINF | ASUP | My.Res. | Mz.Res. | I.R. | Note |
|----|----|---------|--------|--------|-------|------|------|------|---------|---------|------|------|
|    | cm | kN      | kN*m   |        |       |      | cmq  |      | kN*m    |         | Fx,M |      |
| 1A | 0  | -44.813 | 6.504  | 0.107  | 3.08  | 3.08 | 4.62 | 4.62 | 201.322 | 5.654   | 0.03 |      |
| 1B | 0  | -44.813 | 6.504  | -7.248 | 3.08  | 3.08 | 4.62 | 4.62 | 201.322 | 102.176 | 0.07 |      |
| 1C | 0  | -44.813 | -4.208 | 0.107  | 3.08  | 3.08 | 4.62 | 4.62 | 162.329 | 5.654   | 0.03 |      |
| 1D | 0  | -44.813 | -4.208 | -7.248 | 3.08  | 3.08 | 4.62 | 4.62 | 162.329 | 102.176 | 0.07 |      |
| 1E | 0  | -17.067 | 6.504  | 0.107  | 3.08  | 3.08 | 4.62 | 4.62 | 177.648 | 14.756  | 0.04 |      |
| 1F | 0  | -17.067 | 6.504  | -7.248 | 3.08  | 3.08 | 4.62 | 4.62 | 177.648 | 52.972  | 0.14 |      |
| 1G | 0  | -17.067 | -4.208 | 0.107  | 3.08  | 3.08 | 4.62 | 4.62 | 207.581 | 14.756  | 0.02 |      |
| 1H | 0  | -17.067 | -4.208 | -7.248 | 3.08  | 3.08 | 4.62 | 4.62 | 207.581 | 52.972  | 0.14 |      |
| 1I | 0  | -60.973 | 11.353 | -0.191 | 3.08  | 3.08 | 4.62 | 4.62 | 214.589 | 7.502   | 0.05 |      |
| 1J | 0  | -60.973 | 11.353 | -6.950 | 3.08  | 3.08 | 4.62 | 4.62 | 214.589 | 115.855 | 0.06 |      |
| 1K | 0  | -60.973 | -9.057 | -0.191 | 3.08  | 3.08 | 4.62 | 4.62 | 203.072 | 7.502   | 0.04 |      |
| 1L | 0  | -60.973 | -9.057 | -6.950 | 3.08  | 3.08 | 4.62 | 4.62 | 203.072 | 115.855 | 0.06 |      |
| 1M | 0  | -0.907  | 11.353 | -0.191 | 3.08  | 3.08 | 4.62 | 4.62 | 81.307  | 83.583  | 0.14 |      |
| 1N | 0  | -0.907  | 11.353 | -6.950 | 3.08  | 3.08 | 4.62 | 4.62 | 81.307  | 38.125  | 0.18 |      |
| 1O | 0  | -0.907  | -9.057 | -0.191 | 3.08  | 3.08 | 4.62 | 4.62 | 81.748  | 83.583  | 0.11 |      |
| 1P | 0  | -0.907  | -9.057 | -6.950 | 3.08  | 3.08 | 4.62 | 4.62 | 81.748  | 38.125  | 0.18 |      |
| 1A | 1  | -44.758 | 10.198 | -0.782 | 3.08  | 3.08 | 4.62 | 4.62 | 211.217 | 37.809  | 0.05 |      |
| 1B | 1  | -44.758 | 10.198 | -7.950 | 3.08  | 3.08 | 4.62 | 4.62 | 211.217 | 95.838  | 0.08 |      |
| 1C | 1  | -44.758 | 0.723  | -0.782 | 3.08  | 3.08 | 4.62 | 4.62 | 37.723  | 37.809  | 0.02 |      |
| 1D | 1  | -44.758 | 0.723  | -7.950 | 3.08  | 3.08 | 4.62 | 4.62 | 37.723  | 95.838  | 0.08 |      |
| 1E | 1  | -17.012 | 10.198 | -0.782 | 3.08  | 3.08 | 4.62 | 4.62 | 134.308 | 80.169  | 0.08 |      |
| 1F | 1  | -17.012 | 10.198 | -7.950 | 3.08  | 3.08 | 4.62 | 4.62 | 134.308 | 51.102  | 0.16 |      |
| 1G | 1  | -17.012 | 0.723  | -0.782 | 3.08  | 3.08 | 4.62 | 4.62 | 89.664  | 80.169  | 0.01 |      |
| 1H | 1  | -17.012 | 0.723  | -7.950 | 3.08  | 3.08 | 4.62 | 4.62 | 89.664  | 51.102  | 0.16 |      |
| 1I | 1  | -60.918 | 14.439 | -1.070 | 3.08  | 3.08 | 4.62 | 4.62 | 209.527 | 37.959  | 0.07 |      |
| 1J | 1  | -60.918 | 14.439 | -7.663 | 3.08  | 3.08 | 4.62 | 4.62 | 209.527 | 114.044 | 0.07 |      |
| 1K | 1  | -60.918 | -3.519 | -1.070 | 3.08  | 3.08 | 4.62 | 4.62 | 115.327 | 37.959  | 0.03 |      |
| 1L | 1  | -60.918 | -3.519 | -7.663 | 3.08  | 3.08 | 4.62 | 4.62 | 115.327 | 114.044 | 0.07 |      |
| 1M | 1  | -0.852  | 14.439 | -1.070 | 3.08  | 3.08 | 4.62 | 4.62 | 80.856  | 41.681  | 0.18 |      |
| 1N | 1  | -0.852  | 14.439 | -7.663 | 3.08  | 3.08 | 4.62 | 4.62 | 80.856  | 38.030  | 0.20 |      |
| 1O | 1  | -0.852  | -3.519 | -1.070 | 3.08  | 3.08 | 4.62 | 4.62 | 84.972  | 41.681  | 0.04 |      |
| 1P | 1  | -0.852  | -3.519 | -7.663 | 3.08  | 3.08 | 4.62 | 4.62 | 84.972  | 38.030  | 0.20 |      |
| 1A | 3  | -44.703 | 8.963  | -0.762 | 3.08  | 3.08 | 4.62 | 4.62 | 214.488 | 36.982  | 0.04 |      |
| 1B | 3  | -44.703 | 8.963  | -7.743 | 3.08  | 3.08 | 4.62 | 4.62 | 214.488 | 97.598  | 0.08 |      |
| 1C | 3  | -44.703 | 0.725  | -0.762 | 3.08  | 3.08 | 4.62 | 4.62 | 37.911  | 36.982  | 0.02 |      |
| 1D | 3  | -44.703 | 0.725  | -7.743 | 3.08  | 3.08 | 4.62 | 4.62 | 37.911  | 97.598  | 0.08 |      |
| 1E | 3  | -16.957 | 8.963  | -0.762 | 3.08  | 3.08 | 4.62 | 4.62 | 144.566 | 78.983  | 0.06 |      |
| 1F | 3  | -16.957 | 8.963  | -7.743 | 3.08  | 3.08 | 4.62 | 4.62 | 144.566 | 51.527  | 0.15 |      |
| 1G | 3  | -16.957 | 0.725  | -0.762 | 3.08  | 3.08 | 4.62 | 4.62 | 90.214  | 78.983  | 0.01 |      |
| 1H | 3  | -16.957 | 0.725  | -7.743 | 3.08  | 3.08 | 4.62 | 4.62 | 90.214  | 51.527  | 0.15 |      |
| 1I | 3  | -60.863 | 12.597 | -1.038 | 3.08  | 3.08 | 4.62 | 4.62 | 214.027 | 37.014  | 0.06 |      |
| 1J | 3  | -60.863 | 12.597 | -7.467 | 3.08  | 3.08 | 4.62 | 4.62 | 214.027 | 114.670 | 0.07 |      |
| 1K | 3  | -60.863 | -2.909 | -1.038 | 3.08  | 3.08 | 4.62 | 4.62 | 98.947  | 37.014  | 0.03 |      |
| 1L | 3  | -60.863 | -2.909 | -7.467 | 3.08  | 3.08 | 4.62 | 4.62 | 98.947  | 114.670 | 0.07 |      |

|    |    |         |         |        |      |      |      |      |         |         |      |
|----|----|---------|---------|--------|------|------|------|------|---------|---------|------|
| 1M | 3  | -0.797  | 12.597  | -1.038 | 3.08 | 3.08 | 4.62 | 4.62 | 80.948  | 41.514  | 0.16 |
| 1N | 3  | -0.797  | 12.597  | -7.467 | 3.08 | 3.08 | 4.62 | 4.62 | 80.948  | 38.009  | 0.20 |
| 1O | 3  | -0.797  | -2.909  | -1.038 | 3.08 | 3.08 | 4.62 | 4.62 | 85.728  | 41.514  | 0.03 |
| 1P | 3  | -0.797  | -2.909  | -7.467 | 3.08 | 3.08 | 4.62 | 4.62 | 85.728  | 38.009  | 0.20 |
| 1A | 33 | -43.383 | -20.671 | -0.271 | 3.08 | 3.08 | 4.62 | 4.62 | 154.334 | 14.740  | 0.13 |
| 1B | 33 | -43.383 | -20.671 | -2.776 | 3.08 | 3.08 | 4.62 | 4.62 | 154.334 | 96.676  | 0.13 |
| 1C | 33 | -43.383 | 0.795   | -0.271 | 3.08 | 3.08 | 4.62 | 4.62 | 42.397  | 14.740  | 0.02 |
| 1D | 33 | -43.383 | 0.795   | -2.776 | 3.08 | 3.08 | 4.62 | 4.62 | 42.397  | 96.676  | 0.03 |
| 1E | 33 | -15.637 | -20.671 | -0.271 | 3.08 | 3.08 | 4.62 | 4.62 | 98.875  | 37.551  | 0.21 |
| 1F | 33 | -15.637 | -20.671 | -2.776 | 3.08 | 3.08 | 4.62 | 4.62 | 98.875  | 95.886  | 0.21 |
| 1G | 33 | -15.637 | 0.795   | -0.271 | 3.08 | 3.08 | 4.62 | 4.62 | 104.021 | 37.551  | 0.01 |
| 1H | 33 | -15.637 | 0.795   | -2.776 | 3.08 | 3.08 | 4.62 | 4.62 | 104.021 | 95.886  | 0.03 |
| 1I | 33 | -59.543 | -31.607 | -0.286 | 3.08 | 3.08 | 4.62 | 4.62 | 144.189 | 11.359  | 0.22 |
| 1J | 33 | -59.543 | -31.607 | -2.761 | 3.08 | 3.08 | 4.62 | 4.62 | 144.189 | 80.593  | 0.22 |
| 1K | 33 | -59.543 | 11.731  | -0.286 | 3.08 | 3.08 | 4.62 | 4.62 | 214.637 | 11.359  | 0.05 |
| 1L | 33 | -59.543 | 11.731  | -2.761 | 3.08 | 3.08 | 4.62 | 4.62 | 214.637 | 80.593  | 0.05 |
| 1M | 33 | 0.523   | -31.607 | -0.286 | 3.08 | 3.08 | 4.62 | 4.62 | 79.265  | 30.388  | 0.40 |
| 1N | 33 | 0.523   | -31.607 | -2.761 | 3.08 | 3.08 | 4.62 | 4.62 | 79.265  | 36.614  | 0.40 |
| 1O | 33 | 0.523   | 11.731  | -0.286 | 3.08 | 3.08 | 4.62 | 4.62 | 78.689  | 30.388  | 0.15 |
| 1P | 33 | 0.523   | 11.731  | -2.761 | 3.08 | 3.08 | 4.62 | 4.62 | 78.689  | 36.614  | 0.15 |
| 1A | 35 | -43.273 | -18.213 | 0.679  | 3.08 | 3.08 | 4.62 | 4.62 | 167.040 | 34.390  | 0.11 |
| 1B | 35 | -43.273 | -18.213 | -1.452 | 3.08 | 3.08 | 4.62 | 4.62 | 167.040 | 64.439  | 0.11 |
| 1C | 35 | -43.273 | 5.729   | 0.679  | 3.08 | 3.08 | 4.62 | 4.62 | 193.953 | 34.390  | 0.03 |
| 1D | 35 | -43.273 | 5.729   | -1.452 | 3.08 | 3.08 | 4.62 | 4.62 | 193.953 | 64.439  | 0.03 |
| 1E | 35 | -15.527 | -18.213 | 0.679  | 3.08 | 3.08 | 4.62 | 4.62 | 101.932 | 77.624  | 0.18 |
| 1F | 35 | -15.527 | -18.213 | -1.452 | 3.08 | 3.08 | 4.62 | 4.62 | 101.932 | 112.641 | 0.18 |
| 1G | 35 | -15.527 | 5.729   | 0.679  | 3.08 | 3.08 | 4.62 | 4.62 | 181.113 | 77.624  | 0.03 |
| 1H | 35 | -15.527 | 5.729   | -1.452 | 3.08 | 3.08 | 4.62 | 4.62 | 181.113 | 112.641 | 0.03 |
| 1I | 35 | -59.433 | -30.363 | 0.686  | 3.08 | 3.08 | 4.62 | 4.62 | 147.645 | 26.133  | 0.21 |
| 1J | 35 | -59.433 | -30.363 | -1.459 | 3.08 | 3.08 | 4.62 | 4.62 | 147.645 | 50.348  | 0.21 |
| 1K | 35 | -59.433 | 17.879  | 0.686  | 3.08 | 3.08 | 4.62 | 4.62 | 195.631 | 26.133  | 0.09 |
| 1L | 35 | -59.433 | 17.879  | -1.459 | 3.08 | 3.08 | 4.62 | 4.62 | 195.631 | 50.348  | 0.09 |
| 1M | 35 | 0.633   | -30.363 | 0.686  | 3.08 | 3.08 | 4.62 | 4.62 | 79.176  | 33.551  | 0.38 |
| 1N | 35 | 0.633   | -30.363 | -1.459 | 3.08 | 3.08 | 4.62 | 4.62 | 79.176  | 35.535  | 0.38 |
| 1O | 35 | 0.633   | 17.879  | 0.686  | 3.08 | 3.08 | 4.62 | 4.62 | 78.877  | 33.551  | 0.23 |
| 1P | 35 | 0.633   | 17.879  | -1.459 | 3.08 | 3.08 | 4.62 | 4.62 | 78.877  | 35.535  | 0.23 |



Lavoro: **Aule\_revPS\_NTC+ Par\_04\_q=2-5** Intestazione lavoro:

Elem.: **PARETE** Gruppo: **1** Tabella: **Tabella pareti interattive s=40cm**

Descrizione: **Pareti I Impalcato**

Rck: **35.00** N/mm<sup>2</sup> fyk: **450.00** N/mm<sup>2</sup> Copriferro: **3.0** cm

Verifica in ottemperanza alle **NTC2008**

Rete di base: Diametro barre verticali: **16** mm Passo: **20** cm  
 Diametro barre orizzontali: **16** mm Passo: **20** cm  
 Armatura aggiuntiva zone confinate: Diametro barre verticali: **20** mm Passo: **20** cm  
 Diametro barre orizzontali: **8** mm Passo: **10** cm

Parete num. **1** Descrizione: Parete interattiva n. **1**  
 Larghezza: **300.0** cm, spessore: **40.0** cm, altezza: **290.0** cm

| P<br>o<br>s | c.<br>c. | Fx        | V       | Myfp   | Mzp      | campo | Indici di resistenza |        |          | Nota |
|-------------|----------|-----------|---------|--------|----------|-------|----------------------|--------|----------|------|
|             |          |           |         |        |          |       | Fx,M                 | Bielle | VEd/VRsd |      |
|             |          | kN        |         | kN * m |          |       |                      |        |          |      |
| I           | 1A       | 251.720   | 264.912 | 52.161 | 112.200  | 2     | 0.14                 | 0.07   | 0.07     |      |
| I           | 1B       | -911.880  | 264.912 | 52.161 | 415.720  | 4     | 0.07                 | 0.07   | 0.07     |      |
| I           | 1C       | 251.720   | 264.912 | 23.230 | 112.200  | 2     | 0.10                 | 0.07   | 0.07     |      |
| I           | 1D       | -911.880  | 264.912 | 23.230 | 415.720  | 4     | 0.06                 | 0.07   | 0.07     |      |
| I           | 1I       | 343.520   | 485.370 | 67.680 | 1046.520 | 2     | 0.29                 | 0.13   | 0.13     |      |
| I           | 1J       | -1003.680 | 485.370 | 67.680 | 1443.640 | 3     | 0.16                 | 0.12   | 0.13     |      |
| I           | 1K       | 343.520   | 485.370 | 32.534 | 1046.520 | 2     | 0.29                 | 0.13   | 0.13     |      |
| I           | 1L       | -1003.680 | 485.370 | 32.534 | 1443.640 | 3     | 0.15                 | 0.12   | 0.13     |      |
| ½           | 1A       | 307.080   | 290.700 | 52.161 | 112.200  | 2     | 0.15                 | 0.08   | 0.08     |      |
| ½           | 1B       | -1000.880 | 290.700 | 52.161 | 415.720  | 4     | 0.07                 | 0.07   | 0.08     |      |
| ½           | 1C       | 307.080   | 290.700 | 23.230 | 112.200  | 2     | 0.11                 | 0.08   | 0.08     |      |
| ½           | 1D       | -1000.880 | 290.700 | 23.230 | 415.720  | 4     | 0.06                 | 0.07   | 0.08     |      |
| ½           | 1I       | 420.860   | 451.119 | 67.680 | 1046.520 | 2     | 0.31                 | 0.12   | 0.12     |      |
| ½           | 1J       | -1114.660 | 451.119 | 67.680 | 1443.640 | 3     | 0.16                 | 0.11   | 0.12     |      |
| ½           | 1K       | 420.860   | 451.119 | 32.534 | 1046.520 | 2     | 0.31                 | 0.12   | 0.12     |      |
| ½           | 1L       | -1114.660 | 451.119 | 32.534 | 1443.640 | 3     | 0.14                 | 0.11   | 0.12     |      |
| 0           | 1A       | 362.440   | 316.488 | 52.161 | 112.200  | 2     | 0.17                 | 0.08   | 0.08     |      |
| 0           | 1B       | -1089.880 | 316.488 | 52.161 | 415.720  | 4     | 0.07                 | 0.08   | 0.08     |      |
| 0           | 1C       | 362.440   | 316.488 | 23.230 | 112.200  | 2     | 0.12                 | 0.08   | 0.08     |      |
| 0           | 1D       | -1089.880 | 316.488 | 23.230 | 415.720  | 4     | 0.07                 | 0.08   | 0.08     |      |
| 0           | 1I       | 498.200   | 416.868 | 67.680 | 1046.520 | 2     | 0.33                 | 0.11   | 0.11     |      |
| 0           | 1J       | -1225.640 | 416.868 | 67.680 | 1443.640 | 3     | 0.16                 | 0.10   | 0.11     |      |
| 0           | 1K       | 498.200   | 416.868 | 32.534 | 1046.520 | 2     | 0.33                 | 0.11   | 0.11     |      |
| 0           | 1L       | -1225.640 | 416.868 | 32.534 | 1443.640 | 3     | 0.14                 | 0.10   | 0.11     |      |

Verifica a scorrimento a quota 0 cm: Ved= 316.488, Vdd= 998.196, Vfd= 71.319 non è necessaria armatura inclinata

Verifica a scorrimento a quota 290 cm: Ved= 485.370, Vdd= 998.196, Vfd= 546.109 non è necessaria armatura inclinata

Lavoro: **Aule\_revPS\_NTC+ Par\_04\_q=2-5** Intestazione lavoro:

Elem.: **GUSCIO (parete)** Gruppo: **1** Tabella: **Tabella Muri da 40cm**

Descrizione: **Pareti I Impalcato**

Rck: **35.00** N/mm<sup>2</sup> fyk: **450.0** N/mm<sup>2</sup> Copriferro: **3.0** cm

Spessore: **40.0** cm Coeff. di partecipazione Mxy: **0.50** Coeff. di partecipazione Sxy: **0.50**

Diam. vertic.: **12** mm Passo vertic.: **20** cm ρ vertic.: **0.28** % Diam. agg. vertic.: **12** mm Passo agg. vertic.: **20** cm

Diam. orizz.: **12** mm Passo orizz.: **20** cm ρ orizz.: **0.28** % Diam. agg. orizz.: **12** mm Passo agg. orizz.: **20** cm

Le armature longitudinali aggiuntive, riferite al proprio passo, vanno aggiunte all'armatura di base: vedere riga riassuntiva

| El. comb.   | Nxx      | Mxx        | Nyy      | Myy        | V        | Ao        | Av        | Indice di resistenza |        | Note |
|---|----------|------------|----------|------------|----------|-----------|-----------|----------------------|--------|------|
|   |          |            |          |            |          |           |           | N, M                 | Bielle |      |
|   | kN/20 cm | kN*m/20 cm | kN/20 cm | kN*m/20 cm | kN/20 cm | cmq/20 cm | cmq/20 cm |                      |        |      |
| 227 1A  | -0.475   | -0.111     | -18.255  | -0.888     | 16.419   | 2.26      | 2.26      | 0.02                 | 0.08   |      |
| 227 1B  | -16.083  | -0.111     | -36.353  | -0.888     | 16.419   | 2.26      | 2.26      | 0.03                 | 0.08   |      |
| 227 1C  | -0.475   | 0.276      | -18.255  | 0.493      | 16.419   | 2.26      | 2.26      | 0.02                 | 0.08   |      |
| 227 1D  | -16.083  | 0.276      | -36.353  | 0.493      | 16.419   | 2.26      | 2.26      | 0.03                 | 0.08   |      |
| 227 1I  | 0.214    | -0.335     | -16.749  | -1.721     | 16.845   | 2.26      | 2.26      | 0.02                 | 0.08   |      |
| 227 1J  | -16.772  | -0.335     | -37.859  | -1.721     | 16.845   | 2.26      | 2.26      | 0.04                 | 0.08   |      |
| 227 1K  | 0.214    | 0.500      | -16.749  | 1.327      | 16.845   | 2.26      | 2.26      | 0.03                 | 0.08   |      |
| 227 1L  | -16.772  | 0.500      | -37.859  | 1.327      | 16.845   | 2.26      | 2.26      | 0.03                 | 0.08   |      |
| Spess.= 40.0 cm Ao= -- Av= -- ( e arm. base nelle due direzioni ) |          |            |          |            |          |           |           |                      |        |      |
| 234 1A  | -1.066   | -0.143     | -19.915  | -0.554     | 12.961   | 2.26      | 2.26      | 0.02                 | 0.06   |      |
| 234 1B  | -15.265  | -0.143     | -37.924  | -0.554     | 12.961   | 2.26      | 2.26      | 0.03                 | 0.06   |      |
| 234 1C  | -1.066   | 0.632      | -19.915  | 2.113      | 12.961   | 2.26      | 2.26      | 0.03                 | 0.06   |      |
| 234 1D  | -15.265  | 0.632      | -37.924  | 2.113      | 12.961   | 2.26      | 2.26      | 0.04                 | 0.06   |      |
| 234 1I  | -0.965   | -0.608     | -19.859  | -2.182     | 11.830   | 2.26      | 2.26      | 0.03                 | 0.06   |      |
| 234 1J  | -15.366  | -0.608     | -37.980  | -2.182     | 11.830   | 2.26      | 2.26      | 0.04                 | 0.06   |      |
| 234 1K  | -0.965   | 1.097      | -19.859  | 3.741      | 11.830   | 2.26      | 2.26      | 0.06                 | 0.06   |      |
| 234 1L  | -15.366  | 1.097      | -37.980  | 3.741      | 11.830   | 2.26      | 2.26      | 0.05                 | 0.06   |      |
| Spess.= 40.0 cm Ao= -- Av= -- ( e arm. base nelle due direzioni ) |          |            |          |            |          |           |           |                      |        |      |
| 248 1A  | 1.162    | -0.133     | -18.457  | -0.157     | 10.944   | 2.26      | 2.26      | 0.02                 | 0.05   |      |
| 248 1B  | -12.683  | -0.133     | -40.888  | -0.157     | 10.944   | 2.26      | 2.26      | 0.03                 | 0.05   |      |
| 248 1C  | 1.162    | 0.912      | -18.457  | 4.121      | 10.944   | 2.26      | 2.26      | 0.08                 | 0.05   |      |
| 248 1D  | -12.683  | 0.912      | -40.888  | 4.121      | 10.944   | 2.26      | 2.26      | 0.05                 | 0.05   |      |
| 248 1I  | 0.426    | -0.746     | -21.892  | -2.802     | 7.881    | 2.26      | 2.26      | 0.05                 | 0.04   |      |
| 248 1J  | -11.947  | -0.746     | -37.452  | -2.802     | 7.881    | 2.26      | 2.26      | 0.04                 | 0.04   |      |
| 248 1K  | 0.426    | 1.525      | -21.892  | 6.766      | 7.881    | 2.26      | 2.26      | 0.19                 | 0.04   |      |
| 248 1L  | -11.947  | 1.525      | -37.452  | 6.766      | 7.881    | 2.26      | 2.26      | 0.10                 | 0.04   |      |
| Spess.= 40.0 cm Ao= -- Av= -- ( e arm. base nelle due direzioni ) |          |            |          |            |          |           |           |                      |        |      |

**VERIFICA PER MECCANISMI POTENZIALMENTE DUTTILI (PRESSOFLESSIONE)**

Lavoro: **Aule\_revPS\_NTC+ Par\_04\_q=2-5** Intestazione lavoro:  
 Elemento: **PILASTRO** Gruppo: **1** Tabella: **Pil\_C21\_Aq50\_FC1.2**  
 Descrizione: **Pilastri I impalcato**  
 Spunt. I **20.0** cm Spunt. J **20.0** cm  
 Rcm: **21.00** N/mm<sup>2</sup> fym: **380.0** N/mm<sup>2</sup> fatt. confidenza: **1.20**  
 Tensioni di calcolo: fcdm: **-12.34** N/mm<sup>2</sup> fydm: **316.7** N/mm<sup>2</sup>  
 Coefficienti parziali di sicurezza dei materiali:  $\gamma_c$ : **1.50**  $\gamma_s$ : **1.15**  $\gamma_{acc}$ : **0.85**  
 Coefficiente di fragilità a sforzo normale: **0.800**

**ASTA NUM. 3** NI 7 NF 8 SEZ. Rp B= 0.400 H= 0.600 (pilastro)  
**PIL. NUM. 20**  
 Copriferro: 3.0 cm

| NC | x           | Fx      | My      | Mz   | APOST | AANT | AINF | ASUP    | My.Res. | Mz.Res. | I.R. | Note |
|----|-------------|---------|---------|------|-------|------|------|---------|---------|---------|------|------|
|    | cm          | kN      | kN*m    |      | cmq   |      |      |         | kN*m    |         | Fx,M |      |
| 1A | 0-594.456   | 11.601  | 71.770  | 4.62 | 4.62  | 3.08 | 3.08 | 55.991  | 238.578 | 0.30    |      |      |
| 1B | 0-594.456   | 11.601  | -60.128 | 4.62 | 4.62  | 3.08 | 3.08 | 55.991  | 218.035 | 0.28    |      |      |
| 1C | 0-594.456   | -24.169 | 71.770  | 4.62 | 4.62  | 3.08 | 3.08 | 103.549 | 238.578 | 0.30    |      |      |
| 1D | 0-594.456   | -24.169 | -60.128 | 4.62 | 4.62  | 3.08 | 3.08 | 103.549 | 218.035 | 0.28    |      |      |
| 1E | 0-532.744   | 11.601  | 71.770  | 4.62 | 4.62  | 3.08 | 3.08 | 61.550  | 250.009 | 0.29    |      |      |
| 1F | 0-532.744   | 11.601  | -60.128 | 4.62 | 4.62  | 3.08 | 3.08 | 61.550  | 231.008 | 0.26    |      |      |
| 1G | 0-532.744   | -24.169 | 71.770  | 4.62 | 4.62  | 3.08 | 3.08 | 112.544 | 250.009 | 0.29    |      |      |
| 1H | 0-532.744   | -24.169 | -60.128 | 4.62 | 4.62  | 3.08 | 3.08 | 112.544 | 231.008 | 0.26    |      |      |
| 1I | 0-580.640   | 34.808  | 46.381  | 4.62 | 4.62  | 3.08 | 3.08 | 136.543 | 188.608 | 0.25    |      |      |
| 1J | 0-580.640   | 34.808  | -34.739 | 4.62 | 4.62  | 3.08 | 3.08 | 136.543 | 152.957 | 0.25    |      |      |
| 1K | 0-580.640   | -47.376 | 46.381  | 4.62 | 4.62  | 3.08 | 3.08 | 163.046 | 188.608 | 0.29    |      |      |
| 1L | 0-580.640   | -47.376 | -34.739 | 4.62 | 4.62  | 3.08 | 3.08 | 163.046 | 152.957 | 0.29    |      |      |
| 1M | 0-546.560   | 34.808  | 46.381  | 4.62 | 4.62  | 3.08 | 3.08 | 141.845 | 196.305 | 0.25    |      |      |
| 1N | 0-546.560   | 34.808  | -34.739 | 4.62 | 4.62  | 3.08 | 3.08 | 141.845 | 160.179 | 0.25    |      |      |
| 1O | 0-546.560   | -47.376 | 46.381  | 4.62 | 4.62  | 3.08 | 3.08 | 167.928 | 196.305 | 0.28    |      |      |
| 1P | 0-546.560   | -47.376 | -34.739 | 4.62 | 4.62  | 3.08 | 3.08 | 167.928 | 160.179 | 0.28    |      |      |
| 1A | 70-594.456  | 11.601  | 71.770  | 4.62 | 4.62  | 3.08 | 3.08 | 55.991  | 238.578 | 0.30    |      |      |
| 1B | 70-594.456  | 11.601  | -60.128 | 4.62 | 4.62  | 3.08 | 3.08 | 55.991  | 218.035 | 0.28    |      |      |
| 1C | 70-594.456  | -24.169 | 71.770  | 4.62 | 4.62  | 3.08 | 3.08 | 103.549 | 238.578 | 0.30    |      |      |
| 1D | 70-594.456  | -24.169 | -60.128 | 4.62 | 4.62  | 3.08 | 3.08 | 103.549 | 218.035 | 0.28    |      |      |
| 1E | 70-532.744  | 11.601  | 71.770  | 4.62 | 4.62  | 3.08 | 3.08 | 61.550  | 250.009 | 0.29    |      |      |
| 1F | 70-532.744  | 11.601  | -60.128 | 4.62 | 4.62  | 3.08 | 3.08 | 61.550  | 231.008 | 0.26    |      |      |
| 1G | 70-532.744  | -24.169 | 71.770  | 4.62 | 4.62  | 3.08 | 3.08 | 112.544 | 250.009 | 0.29    |      |      |
| 1H | 70-532.744  | -24.169 | -60.128 | 4.62 | 4.62  | 3.08 | 3.08 | 112.544 | 231.008 | 0.26    |      |      |
| 1I | 70-580.640  | 34.808  | 46.381  | 4.62 | 4.62  | 3.08 | 3.08 | 136.543 | 188.608 | 0.25    |      |      |
| 1J | 70-580.640  | 34.808  | -34.739 | 4.62 | 4.62  | 3.08 | 3.08 | 136.543 | 152.957 | 0.25    |      |      |
| 1K | 70-580.640  | -47.376 | 46.381  | 4.62 | 4.62  | 3.08 | 3.08 | 163.046 | 188.608 | 0.29    |      |      |
| 1L | 70-580.640  | -47.376 | -34.739 | 4.62 | 4.62  | 3.08 | 3.08 | 163.046 | 152.957 | 0.29    |      |      |
| 1M | 70-546.560  | 34.808  | 46.381  | 4.62 | 4.62  | 3.08 | 3.08 | 141.845 | 196.305 | 0.25    |      |      |
| 1N | 70-546.560  | 34.808  | -34.739 | 4.62 | 4.62  | 3.08 | 3.08 | 141.845 | 160.179 | 0.25    |      |      |
| 1O | 70-546.560  | -47.376 | 46.381  | 4.62 | 4.62  | 3.08 | 3.08 | 167.928 | 196.305 | 0.28    |      |      |
| 1P | 70-546.560  | -47.376 | -34.739 | 4.62 | 4.62  | 3.08 | 3.08 | 167.928 | 160.179 | 0.28    |      |      |
| 1A | 86-593.527  | 10.289  | 61.845  | 4.62 | 4.62  | 3.08 | 3.08 | 50.331  | 221.618 | 0.28    |      |      |
| 1B | 86-593.527  | 10.289  | -52.867 | 4.62 | 4.62  | 3.08 | 3.08 | 50.331  | 202.364 | 0.26    |      |      |
| 1C | 86-593.527  | -21.778 | 61.845  | 4.62 | 4.62  | 3.08 | 3.08 | 95.529  | 221.618 | 0.28    |      |      |
| 1D | 86-593.527  | -21.778 | -52.867 | 4.62 | 4.62  | 3.08 | 3.08 | 95.529  | 202.364 | 0.26    |      |      |
| 1E | 86-531.816  | 10.289  | 61.845  | 4.62 | 4.62  | 3.08 | 3.08 | 55.562  | 234.411 | 0.26    |      |      |
| 1F | 86-531.816  | 10.289  | -52.867 | 4.62 | 4.62  | 3.08 | 3.08 | 55.562  | 215.924 | 0.24    |      |      |
| 1G | 86-531.816  | -21.778 | 61.845  | 4.62 | 4.62  | 3.08 | 3.08 | 104.133 | 234.411 | 0.26    |      |      |
| 1H | 86-531.816  | -21.778 | -52.867 | 4.62 | 4.62  | 3.08 | 3.08 | 104.133 | 215.924 | 0.24    |      |      |
| 1I | 86-579.711  | 31.097  | 39.753  | 4.62 | 4.62  | 3.08 | 3.08 | 126.832 | 169.446 | 0.25    |      |      |
| 1J | 86-579.711  | 31.097  | -30.776 | 4.62 | 4.62  | 3.08 | 3.08 | 126.832 | 139.222 | 0.25    |      |      |
| 1K | 86-579.711  | -42.586 | 39.753  | 4.62 | 4.62  | 3.08 | 3.08 | 154.234 | 169.446 | 0.28    |      |      |
| 1L | 86-579.711  | -42.586 | -30.776 | 4.62 | 4.62  | 3.08 | 3.08 | 154.234 | 139.222 | 0.28    |      |      |
| 1M | 86-545.631  | 31.097  | 39.753  | 4.62 | 4.62  | 3.08 | 3.08 | 132.114 | 176.988 | 0.24    |      |      |
| 1N | 86-545.631  | 31.097  | -30.776 | 4.62 | 4.62  | 3.08 | 3.08 | 132.114 | 146.217 | 0.24    |      |      |
| 1O | 86-545.631  | -42.586 | 39.753  | 4.62 | 4.62  | 3.08 | 3.08 | 159.364 | 176.988 | 0.27    |      |      |
| 1P | 86-545.631  | -42.586 | -30.776 | 4.62 | 4.62  | 3.08 | 3.08 | 159.364 | 146.217 | 0.27    |      |      |
| 1A | 274-582.385 | -5.450  | -57.259 | 4.62 | 4.62  | 3.08 | 3.08 | 28.460  | 214.575 | 0.27    |      |      |
| 1B | 274-582.385 | -5.450  | 34.263  | 4.62 | 4.62  | 3.08 | 3.08 | 28.460  | 150.979 | 0.23    |      |      |
| 1C | 274-582.385 | 6.919   | -57.259 | 4.62 | 4.62  | 3.08 | 3.08 | 35.576  | 214.575 | 0.27    |      |      |
| 1D | 274-582.385 | 6.919   | 34.263  | 4.62 | 4.62  | 3.08 | 3.08 | 35.576  | 150.979 | 0.23    |      |      |
| 1E | 274-520.673 | -5.450  | -57.259 | 4.62 | 4.62  | 3.08 | 3.08 | 31.673  | 227.999 | 0.25    |      |      |
| 1F | 274-520.673 | -5.450  | 34.263  | 4.62 | 4.62  | 3.08 | 3.08 | 31.673  | 164.389 | 0.21    |      |      |
| 1G | 274-520.673 | 6.919   | -57.259 | 4.62 | 4.62  | 3.08 | 3.08 | 39.522  | 227.999 | 0.25    |      |      |
| 1H | 274-520.673 | 6.919   | 34.263  | 4.62 | 4.62  | 3.08 | 3.08 | 39.522  | 164.389 | 0.21    |      |      |
| 1I | 274-568.569 | -13.433 | -39.780 | 4.62 | 4.62  | 3.08 | 3.08 | 66.124  | 171.934 | 0.23    |      |      |
| 1J | 274-568.569 | -13.433 | 16.785  | 4.62 | 4.62  | 3.08 | 3.08 | 66.124  | 84.649  | 0.21    |      |      |
| 1K | 274-568.569 | 14.901  | -39.780 | 4.62 | 4.62  | 3.08 | 3.08 | 72.328  | 171.934 | 0.23    |      |      |
| 1L | 274-568.569 | 14.901  | 16.785  | 4.62 | 4.62  | 3.08 | 3.08 | 72.328  | 84.649  | 0.21    |      |      |
| 1M | 274-534.489 | -13.433 | -39.780 | 4.62 | 4.62  | 3.08 | 3.08 | 69.768  | 179.664 | 0.22    |      |      |

**VERIFICA PER MECCANISMI POTENZIALMENTE DUTTILI (PRESSOFLESSIONE)**

Lavoro: **Aule\_revPS\_NTC+ Par\_04\_q=2-5** Intestazione lavoro:  
 Elemento: **TRAVE** Gruppo: **2** Tabella: **Travi\_C21\_Aq50\_FC1.2**  
 Descrizione: **Travi I impalcato**  
 Spunt. I **20.0** cm Spunt. J **20.0** cm  
 Rcm: **21.00** N/mm<sup>2</sup> fym: **380.0** N/mm<sup>2</sup> fatt. confidenza: **1.20**  
 Tensioni di calcolo: fcdm: **-12.34** N/mm<sup>2</sup> fydm: **316.7** N/mm<sup>2</sup>  
 Coefficienti parziali di sicurezza dei materiali:  $\gamma_c$ : **1.50**  $\gamma_s$ : **1.15**  $\gamma_{acc}$ : **0.85**

**ASTA NUM. 2** NI 42 NF 40 SEZ. Rp B= 0.300 H= 0.700 (trave)

categoria: p.p. y Permanente Congresso qy tot.  
 qy medio: 17.04 15.15 10.88 43.07 kN/m

Copriferro sup.: 3.0 cm, copriferro inf.: 3.0 cm, copriferro lat: 3.0 cm

| NC | x   | Fx     | Mz       | APOST | AANT | AINF | ASUP  | Mz.Res. | I.R. | Note |
|----|-----|--------|----------|-------|------|------|-------|---------|------|------|
|    | cm  | kN     | kN*m     | cmq   |      |      |       | kN*m    | Fx,M |      |
| 1A | 0   | -0.000 | -81.689  | 2.26  | 2.26 | 2.26 | 11.31 | 225.421 | 0.36 |      |
| 1B | 0   | -0.000 | -141.831 | 2.26  | 2.26 | 2.26 | 11.31 | 225.421 | 0.63 |      |
| 1C | 0   | -0.000 | -81.689  | 2.26  | 2.26 | 2.26 | 11.31 | 225.421 | 0.36 |      |
| 1D | 0   | -0.000 | -141.831 | 2.26  | 2.26 | 2.26 | 11.31 | 225.421 | 0.63 |      |
| 1E | 0   | -0.000 | -81.689  | 2.26  | 2.26 | 2.26 | 11.31 | 225.421 | 0.36 |      |
| 1F | 0   | -0.000 | -141.831 | 2.26  | 2.26 | 2.26 | 11.31 | 225.421 | 0.63 |      |
| 1G | 0   | -0.000 | -81.689  | 2.26  | 2.26 | 2.26 | 11.31 | 225.421 | 0.36 |      |
| 1H | 0   | -0.000 | -141.831 | 2.26  | 2.26 | 2.26 | 11.31 | 225.421 | 0.63 |      |
| 1I | 0   | -0.000 | -97.184  | 2.26  | 2.26 | 2.26 | 11.31 | 225.421 | 0.43 |      |
| 1J | 0   | -0.000 | -126.336 | 2.26  | 2.26 | 2.26 | 11.31 | 225.421 | 0.56 |      |
| 1K | 0   | -0.000 | -97.184  | 2.26  | 2.26 | 2.26 | 11.31 | 225.421 | 0.43 |      |
| 1L | 0   | -0.000 | -126.336 | 2.26  | 2.26 | 2.26 | 11.31 | 225.421 | 0.56 |      |
| 1M | 0   | -0.000 | -97.184  | 2.26  | 2.26 | 2.26 | 11.31 | 225.421 | 0.43 |      |
| 1N | 0   | -0.000 | -126.336 | 2.26  | 2.26 | 2.26 | 11.31 | 225.421 | 0.56 |      |
| 1O | 0   | -0.000 | -97.184  | 2.26  | 2.26 | 2.26 | 11.31 | 225.421 | 0.43 |      |
| 1P | 0   | -0.000 | -126.336 | 2.26  | 2.26 | 2.26 | 11.31 | 225.421 | 0.56 |      |
| 1A | 310 | -0.000 | 65.605   | 2.26  | 2.26 | 5.65 | 2.26  | 114.910 | 0.57 |      |
| 1B | 310 | -0.000 | 65.605   | 2.26  | 2.26 | 5.65 | 2.26  | 114.910 | 0.57 |      |
| 1C | 310 | -0.000 | 65.605   | 2.26  | 2.26 | 5.65 | 2.26  | 114.910 | 0.57 |      |
| 1D | 310 | -0.000 | 65.605   | 2.26  | 2.26 | 5.65 | 2.26  | 114.910 | 0.57 |      |
| 1E | 310 | -0.000 | 65.605   | 2.26  | 2.26 | 5.65 | 2.26  | 114.910 | 0.57 |      |
| 1F | 310 | -0.000 | 65.605   | 2.26  | 2.26 | 5.65 | 2.26  | 114.910 | 0.57 |      |
| 1G | 310 | -0.000 | 65.605   | 2.26  | 2.26 | 5.65 | 2.26  | 114.910 | 0.57 |      |
| 1H | 310 | -0.000 | 65.605   | 2.26  | 2.26 | 5.65 | 2.26  | 114.910 | 0.57 |      |
| 1I | 310 | -0.000 | 65.442   | 2.26  | 2.26 | 5.65 | 2.26  | 114.910 | 0.57 |      |
| 1J | 310 | -0.000 | 65.605   | 2.26  | 2.26 | 5.65 | 2.26  | 114.910 | 0.57 |      |
| 1K | 310 | -0.000 | 65.442   | 2.26  | 2.26 | 5.65 | 2.26  | 114.910 | 0.57 |      |
| 1L | 310 | -0.000 | 65.605   | 2.26  | 2.26 | 5.65 | 2.26  | 114.910 | 0.57 |      |
| 1M | 310 | -0.000 | 65.442   | 2.26  | 2.26 | 5.65 | 2.26  | 114.910 | 0.57 |      |
| 1N | 310 | -0.000 | 65.605   | 2.26  | 2.26 | 5.65 | 2.26  | 114.910 | 0.57 |      |
| 1O | 310 | -0.000 | 65.442   | 2.26  | 2.26 | 5.65 | 2.26  | 114.910 | 0.57 |      |
| 1P | 310 | -0.000 | 65.605   | 2.26  | 2.26 | 5.65 | 2.26  | 114.910 | 0.57 |      |
| 1A | 620 | -0.000 | -142.618 | 3.39  | 2.26 | 2.26 | 10.18 | 213.410 | 0.67 |      |
| 1B | 620 | -0.000 | -76.662  | 3.39  | 2.26 | 2.26 | 10.18 | 213.410 | 0.36 |      |
| 1C | 620 | -0.000 | -142.618 | 3.39  | 2.26 | 2.26 | 10.18 | 213.410 | 0.67 |      |
| 1D | 620 | -0.000 | -76.662  | 3.39  | 2.26 | 2.26 | 10.18 | 213.410 | 0.36 |      |
| 1E | 620 | -0.000 | -142.618 | 3.39  | 2.26 | 2.26 | 10.18 | 213.410 | 0.67 |      |
| 1F | 620 | -0.000 | -76.662  | 3.39  | 2.26 | 2.26 | 10.18 | 213.410 | 0.36 |      |
| 1G | 620 | -0.000 | -142.618 | 3.39  | 2.26 | 2.26 | 10.18 | 213.410 | 0.67 |      |
| 1H | 620 | -0.000 | -76.662  | 3.39  | 2.26 | 2.26 | 10.18 | 213.410 | 0.36 |      |
| 1I | 620 | -0.000 | -127.050 | 3.39  | 2.26 | 2.26 | 10.18 | 213.410 | 0.60 |      |
| 1J | 620 | -0.000 | -92.230  | 3.39  | 2.26 | 2.26 | 10.18 | 213.410 | 0.43 |      |
| 1K | 620 | -0.000 | -127.050 | 3.39  | 2.26 | 2.26 | 10.18 | 213.410 | 0.60 |      |
| 1L | 620 | -0.000 | -92.230  | 3.39  | 2.26 | 2.26 | 10.18 | 213.410 | 0.43 |      |
| 1M | 620 | -0.000 | -127.050 | 3.39  | 2.26 | 2.26 | 10.18 | 213.410 | 0.60 |      |
| 1N | 620 | -0.000 | -92.230  | 3.39  | 2.26 | 2.26 | 10.18 | 213.410 | 0.43 |      |
| 1O | 620 | -0.000 | -127.050 | 3.39  | 2.26 | 2.26 | 10.18 | 213.410 | 0.60 |      |
| 1P | 620 | -0.000 | -92.230  | 3.39  | 2.26 | 2.26 | 10.18 | 213.410 | 0.43 |      |

**ASTA NUM. 6** NI 34 NF 36 SEZ. Rp B= 0.300 H= 0.400 (trave)

categoria: p.p. y Permanente qy tot.  
 qy medio: 2.94 5.00 7.94 kN/m

Copriferro sup.: 3.0 cm, copriferro inf.: 3.0 cm, copriferro lat: 3.0 cm

| NC | x  | Fx | Mz   | APOST | AANT | AINF | ASUP | Mz.Res. | I.R. | Note |
|----|----|----|------|-------|------|------|------|---------|------|------|
|    | cm | kN | kN*m | cmq   |      |      |      | kN*m    | Fx,M |      |



**AMV s.r.l.**  
**Via San Lorenzo, 106 Tel. 0481/779903**  
**34077 Ronchi dei Legionari (GO)**

Lavoro: **Aule\_revPS\_NTC+ Par\_04\_q=2-5 per fond** Intestazione lavoro:  
 Elemento: **PILASTRO** Gruppo: **9** Tabella: **Tabella pilastri**  
 Descrizione: **Pali di fondazione**  
 Rck: **30.00** N/mm<sup>2</sup> fyk: **450.0** N/mm<sup>2</sup> Copriferro di calcolo: **3.0** cm Copriferro di disegno: **3.0** cm  
 Verifica in ottemperanza alle NTC2008  
 Diametro staffe: **8** mm Numero braccia: **2**  
 ρ min.: **1.000** % Passo max. armatura longitudinale: **50.0** cm

**ASTA NUM. 1** NI 2030 NF 1032 SEZ. Cp D= 0.600 (pilastro)

| NC  | x   | αMy | αMz | Fx       | Fy      | Fz      | Mx    | My      | Mz      | Arm.distr. | campo | Indice di resistenza |            | aswta | aswto | PASSO |
|-----|-----|-----|-----|----------|---------|---------|-------|---------|---------|------------|-------|----------------------|------------|-------|-------|-------|
| --- | --- | --- | --- | ---      | ---     | ---     | ---   | ---     | ---     | ---        | ---   | Fx, My, Mz           | Fy, Fz, Mx | ---   | ---   | ---   |
| cm  | cm  |     |     | kN       | kN      | kN      | kN*m  | kN*m    | kN*m    | cmq        | cm    |                      |            | cmq/m | cm    | cm    |
| 1A  | 0   | --  | --  | -327.566 | -14.572 | 12.432  | 0.000 | 13.715  | 16.508  | 28.27      | 4     | 0.09                 | 0.02       | 0.19  | 0.00  | 9.6   |
| 1B  | 0   | --  | --  | -327.566 | 23.588  | 12.432  | 0.000 | 13.715  | -10.236 | 28.27      | 5     | 0.08                 | 0.03       | 0.27  | 0.00  | 9.6   |
| 1C  | 0   | --  | --  | -327.566 | -14.572 | -19.634 | 0.000 | -8.705  | 16.508  | 28.27      | 4     | 0.08                 | 0.03       | 0.24  | 0.00  | 9.6   |
| 1D  | 0   | --  | --  | -327.566 | 23.588  | -19.634 | 0.000 | -8.705  | -10.236 | 28.27      | 6     | 0.08                 | 0.04       | 0.31  | 0.00  | 9.6   |
| 1E  | 0   | --  | --  | -137.034 | -14.572 | 12.432  | 0.000 | 13.715  | 16.508  | 28.27      | 4     | 0.06                 | 0.02       | 0.19  | 0.00  | 9.6   |
| 1F  | 0   | --  | --  | -137.034 | 23.588  | 12.432  | 0.000 | 13.715  | -10.236 | 28.27      | 4     | 0.05                 | 0.03       | 0.27  | 0.00  | 9.6   |
| 1G  | 0   | --  | --  | -137.034 | -14.572 | -19.634 | 0.000 | -8.705  | 16.508  | 28.27      | 4     | 0.05                 | 0.03       | 0.24  | 0.00  | 9.6   |
| 1H  | 0   | --  | --  | -137.034 | 23.588  | -19.634 | 0.000 | -8.705  | -10.236 | 28.27      | 4     | 0.04                 | 0.04       | 0.31  | 0.00  | 9.6   |
| 1I  | 0   | --  | --  | -283.011 | -9.559  | 33.359  | 0.000 | 28.336  | 12.979  | 28.27      | 4     | 0.09                 | 0.04       | 0.35  | 0.00  | 9.6   |
| 1J  | 0   | --  | --  | -283.011 | 18.575  | 33.359  | 0.000 | 28.336  | -6.707  | 28.27      | 4     | 0.09                 | 0.05       | 0.38  | 0.00  | 9.6   |
| 1K  | 0   | --  | --  | -283.011 | -9.559  | -40.561 | 0.000 | -23.326 | 12.979  | 28.27      | 4     | 0.09                 | 0.05       | 0.42  | 0.00  | 9.6   |
| 1L  | 0   | --  | --  | -283.011 | 18.575  | -40.561 | 0.000 | -23.326 | -6.707  | 28.27      | 4     | 0.08                 | 0.06       | 0.44  | 0.00  | 9.6   |
| 1M  | 0   | --  | --  | -181.589 | -9.559  | 33.359  | 0.000 | 28.336  | 12.979  | 28.27      | 4     | 0.08                 | 0.04       | 0.35  | 0.00  | 9.6   |
| 1N  | 0   | --  | --  | -181.589 | 18.575  | 33.359  | 0.000 | 28.336  | -6.707  | 28.27      | 4     | 0.08                 | 0.05       | 0.38  | 0.00  | 9.6   |
| 1O  | 0   | --  | --  | -181.589 | -9.559  | -40.561 | 0.000 | -23.326 | 12.979  | 28.27      | 4     | 0.07                 | 0.05       | 0.42  | 0.00  | 9.6   |
| 1P  | 0   | --  | --  | -181.589 | 18.575  | -40.561 | 0.000 | -23.326 | -6.707  | 28.27      | 4     | 0.07                 | 0.06       | 0.44  | 0.00  | 9.6   |
| 2   | 0   | --  | --  | -315.300 | 6.208   | -5.350  | 0.000 | 3.722   | 4.319   | 28.27      | 6     | 0.07                 | 0.01       | 0.08  | 0.00  | 9.6   |

armatura distribuita= 28.27 staffe = 2 d 8 / 9.6 n. spille: 7

|    |     |    |    |          |         |         |       |         |         |       |   |      |      |      |      |     |
|----|-----|----|----|----------|---------|---------|-------|---------|---------|-------|---|------|------|------|------|-----|
| 1A | 100 | -- | -- | -320.566 | -14.572 | 12.432  | 0.000 | 33.353  | 40.099  | 28.27 | 4 | 0.13 | 0.02 | 0.19 | 0.00 | 9.6 |
| 1B | 100 | -- | -- | -320.566 | 23.588  | 12.432  | 0.000 | 33.353  | -24.809 | 28.27 | 4 | 0.12 | 0.03 | 0.27 | 0.00 | 9.6 |
| 1C | 100 | -- | -- | -320.566 | -14.572 | -19.634 | 0.000 | -21.139 | 40.099  | 28.27 | 4 | 0.12 | 0.03 | 0.24 | 0.00 | 9.6 |
| 1D | 100 | -- | -- | -320.566 | 23.588  | -19.634 | 0.000 | -21.139 | -24.809 | 28.27 | 4 | 0.10 | 0.04 | 0.31 | 0.00 | 9.6 |
| 1E | 100 | -- | -- | -130.034 | -14.572 | 12.432  | 0.000 | 33.353  | 40.099  | 28.27 | 3 | 0.14 | 0.02 | 0.19 | 0.00 | 9.6 |
| 1F | 100 | -- | -- | -130.034 | 23.588  | 12.432  | 0.000 | 33.353  | -24.809 | 28.27 | 3 | 0.10 | 0.03 | 0.27 | 0.00 | 9.6 |
| 1G | 100 | -- | -- | -130.034 | -14.572 | -19.634 | 0.000 | -21.139 | 40.099  | 28.27 | 3 | 0.12 | 0.03 | 0.24 | 0.00 | 9.6 |
| 1H | 100 | -- | -- | -130.034 | 23.588  | -19.634 | 0.000 | -21.139 | -24.809 | 28.27 | 3 | 0.08 | 0.04 | 0.31 | 0.00 | 9.6 |
| 1I | 100 | -- | -- | -276.011 | -9.559  | 33.359  | 0.000 | 68.908  | 31.559  | 28.27 | 3 | 0.19 | 0.04 | 0.35 | 0.00 | 9.6 |
| 1J | 100 | -- | -- | -276.011 | 18.575  | 33.359  | 0.000 | 68.908  | -16.269 | 28.27 | 3 | 0.17 | 0.05 | 0.38 | 0.00 | 9.6 |
| 1K | 100 | -- | -- | -276.011 | -9.559  | -40.561 | 0.000 | -56.694 | 31.559  | 28.27 | 3 | 0.16 | 0.05 | 0.42 | 0.00 | 9.6 |
| 1L | 100 | -- | -- | -276.011 | 18.575  | -40.561 | 0.000 | -56.694 | -16.269 | 28.27 | 3 | 0.14 | 0.06 | 0.44 | 0.00 | 9.6 |
| 1M | 100 | -- | -- | -174.589 | -9.559  | 33.359  | 0.000 | 68.908  | 31.559  | 28.27 | 3 | 0.20 | 0.04 | 0.35 | 0.00 | 9.6 |
| 1N | 100 | -- | -- | -174.589 | 18.575  | 33.359  | 0.000 | 68.908  | -16.269 | 28.27 | 3 | 0.19 | 0.05 | 0.38 | 0.00 | 9.6 |
| 1O | 100 | -- | -- | -174.589 | -9.559  | -40.561 | 0.000 | -56.694 | 31.559  | 28.27 | 3 | 0.17 | 0.05 | 0.42 | 0.00 | 9.6 |
| 1P | 100 | -- | -- | -174.589 | 18.575  | -40.561 | 0.000 | -56.694 | -16.269 | 28.27 | 3 | 0.15 | 0.06 | 0.44 | 0.00 | 9.6 |
| 2  | 100 | -- | -- | -306.300 | 6.208   | -5.350  | 0.000 | 9.072   | 10.530  | 28.27 | 5 | 0.07 | 0.01 | 0.08 | 0.00 | 9.6 |

armatura distribuita= 28.27 staffe = 2 d 8 / 9.6 n. spille: 7

**ASTA NUM. 2** NI 2029 NF 1026 SEZ. Cp D= 0.600 (pilastro)

| NC  | x   | αMy | αMz | Fx       | Fy      | Fz      | Mx    | My      | Mz     | Arm.distr. | campo | Indice di resistenza |            | aswta | aswto | PASSO |
|-----|-----|-----|-----|----------|---------|---------|-------|---------|--------|------------|-------|----------------------|------------|-------|-------|-------|
| --- | --- | --- | --- | ---      | ---     | ---     | ---   | ---     | ---    | ---        | ---   | Fx, My, Mz           | Fy, Fz, Mx | ---   | ---   | ---   |
| cm  | cm  |     |     | kN       | kN      | kN      | kN*m  | kN*m    | kN*m   | cmq        | cm    |                      |            | cmq/m | cm    | cm    |
| 1A  | 0   | --  | --  | -349.510 | -13.619 | 9.585   | 0.000 | 13.276  | 20.283 | 28.27      | 4     | 0.09                 | 0.02       | 0.17  | 0.00  | 9.6   |
| 1B  | 0   | --  | --  | -349.510 | 29.013  | 9.585   | 0.000 | 13.276  | -9.573 | 28.27      | 5     | 0.09                 | 0.04       | 0.30  | 0.00  | 9.6   |
| 1C  | 0   | --  | --  | -349.510 | -13.619 | -19.009 | 0.000 | -6.720  | 20.283 | 28.27      | 4     | 0.09                 | 0.03       | 0.23  | 0.00  | 9.6   |
| 1D  | 0   | --  | --  | -349.510 | 29.013  | -19.009 | 0.000 | -6.720  | -9.573 | 28.27      | 6     | 0.08                 | 0.04       | 0.35  | 0.00  | 9.6   |
| 1E  | 0   | --  | --  | -87.290  | -13.619 | 9.585   | 0.000 | 13.276  | 20.283 | 28.27      | 3     | 0.06                 | 0.02       | 0.17  | 0.00  | 9.6   |
| 1F  | 0   | --  | --  | -87.290  | 29.013  | 9.585   | 0.000 | 13.276  | -9.573 | 28.27      | 3     | 0.04                 | 0.04       | 0.30  | 0.00  | 9.6   |
| 1G  | 0   | --  | --  | -87.290  | -13.619 | -19.009 | 0.000 | -6.720  | 20.283 | 28.27      | 3     | 0.05                 | 0.03       | 0.23  | 0.00  | 9.6   |
| 1H  | 0   | --  | --  | -87.290  | 29.013  | -19.009 | 0.000 | -6.720  | -9.573 | 28.27      | 4     | 0.03                 | 0.04       | 0.35  | 0.00  | 9.6   |
| 1I  | 0   | --  | --  | -377.580 | -14.004 | 28.324  | 0.000 | 26.370  | 20.535 | 28.27      | 4     | 0.11                 | 0.04       | 0.31  | 0.00  | 9.6   |
| 1J  | 0   | --  | --  | -377.580 | 29.398  | 28.324  | 0.000 | 26.370  | -9.825 | 28.27      | 4     | 0.11                 | 0.05       | 0.41  | 0.00  | 9.6   |
| 1K  | 0   | --  | --  | -377.580 | -14.004 | -37.748 | 0.000 | -19.814 | 20.535 | 28.27      | 4     | 0.11                 | 0.05       | 0.40  | 0.00  | 9.6   |
| 1L  | 0   | --  | --  | -377.580 | 29.398  | -37.748 | 0.000 | -19.814 | -9.825 | 28.27      | 4     | 0.10                 | 0.06       | 0.48  | 0.00  | 9.6   |
| 1M  | 0   | --  | --  | -59.220  | -14.004 | 28.324  | 0.000 | 26.370  | 20.535 | 28.27      | 3     | 0.10                 | 0.04       | 0.31  | 0.00  | 9.6   |
| 1N  | 0   | --  | --  | -59.220  | 29.398  | 28.324  | 0.000 | 26.370  | -9.825 | 28.27      | 3     | 0.08                 | 0.05       | 0.41  | 0.00  | 9.6   |
| 1O  | 0   | --  | --  | -59.220  | -14.004 | -37.748 | 0.000 | -19.814 | 20.535 | 28.27      | 3     | 0.08                 | 0.05       | 0.40  | 0.00  | 9.6   |
| 1P  | 0   | --  | --  | -59.220  | 29.398  | -37.748 | 0.000 | -19.814 | -9.825 | 28.27      | 3     | 0.06                 | 0.06       | 0.48  | 0.00  | 9.6   |
| 2   | 0   | --  | --  | -294.800 | 10.800  | -6.883  | 0.000 | 4.788   | 7.513  | 28.27      | 6     | 0.07                 | 0.02       | 0.13  | 0.00  | 9.6   |

armatura distribuita= 28.27 staffe = 2 d 8 / 9.6 n. spille: 7

**AMV s.r.l.**  
**Via San Lorenzo, 106 Tel. 0481/779903**  
**34077 Ronchi dei Legionari (GO)**

Lavoro: **Aule\_revPS\_NTC+ Par\_04\_q=2-5 per fond** Intestazione lavoro:  
 Elem.: **GUSCIO (piastra)** Gruppo: **7** Tabella: **Tabella gusci**  
 Descrizione: **Platee Pareti**  
 Rck: **35.00** N/mm<sup>2</sup> fyk: **450.0** N/mm<sup>2</sup> Copriferro sup.: **4.0** cm Copriferro inf.: **4.0** cm  
 Coeff. di partecipazione Mxy: **0.50** Coeff. di partecipazione Sxy: **0.50**  
 dxx base sup.: **12** mm dxx base inf.: **12** mm pxx: **20** cm dxx agg.: **20** mm pxx agg.: **20** cm  
 dyy base sup.: **12** mm dyy base inf.: **12** mm pyy: **20** cm dyy agg.: **20** mm pyy agg.: **20** cm  
 Orientamento armature: **rif.\_globale** Angolo di posa delle armature: **0.00** gradi  
 Diametro staffe: **8** mm Numero braccia: **2**

Le armature longitudinali aggiuntive, riferite al proprio passo, vanno aggiunte all'armatura di base: vedere riga riassuntiva  
 L'armatura trasversale viene inserita se necessaria (Vz/Vrd1 > 1); vedere righe riassuntive

| El. comb.  | Nxx      | Mxx        | Nyy      | Myy        | Vz(Mxx) | Vz(Myy) | Axx inf.    |             | Axx sup.    |             | Ayy inf. |      | Ayy sup. |  | Indice di resistenza |  |
|--|----------|------------|----------|------------|---------|---------|-------------|-------------|-------------|-------------|----------|------|----------|--|----------------------|--|
|  |          |            |          |            |         |         | cmq / 20 cm | cmq / 20 cm | cmq / 20 cm | cmq / 20 cm | N, M     | txy  | Vz/Vrd1  |  |                      |  |
|  | kN/20 cm | kN*m/20 cm | kN/20 cm | kN*m/20 cm | kN/m    |         |             |             |             |             |          |      |          |  |                      |  |
| 1 1A   | 0.000    | -7.753     | 0.000    | -7.470     | 5.856   | 44.354  | 1.13        | 1.13        | 1.13        | 1.13        | 0.14     | 0.00 | 0.11     |  |                      |  |
| 1 1B   | 0.000    | -7.753     | 0.000    | -7.470     | 5.856   | 44.354  | 1.13        | 1.13        | 1.13        | 1.13        | 0.14     | 0.00 | 0.11     |  |                      |  |
| 1 1C   | 0.000    | 1.828      | 0.000    | 1.488      | 5.634   | 75.863  | 1.13        | 1.13        | 1.13        | 1.13        | 0.03     | 0.00 | 0.19     |  |                      |  |
| 1 1D   | 0.000    | 1.828      | 0.000    | 1.488      | 5.634   | 75.863  | 1.13        | 1.13        | 1.13        | 1.13        | 0.03     | 0.00 | 0.19     |  |                      |  |
| 1 1I   | 0.000    | -11.558    | 0.000    | -10.495    | 1.385   | 53.928  | 1.13        | 1.13        | 1.13        | 1.13        | 0.21     | 0.00 | 0.14     |  |                      |  |
| 1 1J   | 0.000    | -11.558    | 0.000    | -10.495    | 1.385   | 53.928  | 1.13        | 1.13        | 1.13        | 1.13        | 0.21     | 0.00 | 0.14     |  |                      |  |
| 1 1K   | 0.000    | 5.633      | 0.000    | 4.514      | 25.777  | 140.854 | 1.13        | 1.13        | 1.13        | 1.13        | 0.10     | 0.00 | 0.36     |  |                      |  |
| 1 1L   | 0.000    | 5.633      | 0.000    | 4.514      | 25.777  | 140.854 | 1.13        | 1.13        | 1.13        | 1.13        | 0.10     | 0.00 | 0.36     |  |                      |  |
| 1 2  | 0.000    | -4.235     | 0.000    | -4.241     | 12.353  | 10.960  | 1.13        | 1.13        | 1.13        | 1.13        | 0.08     | 0.00 | 0.03     |  |                      |  |
| Spess.= 130.0 cm Axxinf= -- Axxsup= -- Ayyinf= -- Ayysep= -- (e arm. base nelle due direz.)                                  |          |            |          |            |         |         |             |             |             |             |          |      |          |  |                      |  |
| 2 1A   | 0.000    | -40.805    | 0.000    | -27.979    | 47.828  | 61.903  | 1.13        | 1.13        | 1.13        | 1.13        | 0.74     | 0.00 | 0.16     |  |                      |  |
| 2 1B   | 0.000    | -40.805    | 0.000    | -27.979    | 47.828  | 61.903  | 1.13        | 1.13        | 1.13        | 1.13        | 0.74     | 0.00 | 0.16     |  |                      |  |
| 2 1C   | 0.000    | 11.942     | 0.000    | 3.464      | 31.913  | 32.626  | 1.13        | 1.13        | 1.13        | 1.13        | 0.22     | 0.00 | 0.08     |  |                      |  |
| 2 1D   | 0.000    | 11.942     | 0.000    | 3.464      | 31.913  | 32.626  | 1.13        | 1.13        | 1.13        | 1.13        | 0.22     | 0.00 | 0.08     |  |                      |  |
| 2 1I   | 0.000    | -62.233    | 0.000    | -42.824    | 66.653  | 79.707  | 1.13        | 4.27        | 1.13        | 1.13        | 0.78     | 0.00 | 0.20     |  |                      |  |
| 2 1J   | 0.000    | -62.233    | 0.000    | -42.824    | 66.653  | 79.707  | 1.13        | 4.27        | 1.13        | 1.13        | 0.78     | 0.00 | 0.20     |  |                      |  |
| 2 1K   | 0.000    | 33.370     | 0.000    | 18.310     | 97.827  | 82.158  | 1.13        | 1.13        | 1.13        | 1.13        | 0.61     | 0.00 | 0.25     |  |                      |  |
| 2 1L   | 0.000    | 33.370     | 0.000    | 18.310     | 97.827  | 82.158  | 1.13        | 1.13        | 1.13        | 1.13        | 0.61     | 0.00 | 0.25     |  |                      |  |
| 2 2  | 0.000    | -20.725    | 0.000    | -18.076    | 3.657   | 47.724  | 1.13        | 1.13        | 1.13        | 1.13        | 0.38     | 0.00 | 0.12     |  |                      |  |
| Spess.= 130.0 cm Axxinf= -- Axxsup= 1 d 20/20 Ayyinf= -- Ayysep= -- (e arm. base nelle due direz.)                           |          |            |          |            |         |         |             |             |             |             |          |      |          |  |                      |  |
| 3 1A   | 0.000    | -28.930    | 0.000    | -16.095    | 31.496  | 18.664  | 1.13        | 1.13        | 1.13        | 1.13        | 0.53     | 0.00 | 0.08     |  |                      |  |
| 3 1B   | 0.000    | -28.930    | 0.000    | -16.095    | 31.496  | 18.664  | 1.13        | 1.13        | 1.13        | 1.13        | 0.53     | 0.00 | 0.08     |  |                      |  |
| 3 1C   | 0.000    | 45.413     | 0.000    | 6.039      | 83.117  | 219.388 | 1.13        | 1.13        | 1.13        | 1.13        | 0.83     | 0.00 | 0.56     |  |                      |  |
| 3 1D   | 0.000    | 45.413     | 0.000    | 6.039      | 83.117  | 219.388 | 1.13        | 1.13        | 1.13        | 1.13        | 0.83     | 0.00 | 0.56     |  |                      |  |
| 3 1I   | 0.000    | -45.434    | 0.000    | -21.214    | 26.615  | 53.205  | 1.13        | 1.13        | 1.13        | 1.13        | 0.83     | 0.00 | 0.14     |  |                      |  |
| 3 1J   | 0.000    | -45.434    | 0.000    | -21.214    | 26.615  | 53.205  | 1.13        | 1.13        | 1.13        | 1.13        | 0.83     | 0.00 | 0.14     |  |                      |  |
| 3 1K   | 0.000    | 61.917     | 0.000    | 11.159     | 198.223 | 203.597 | 4.27        | 1.13        | 1.13        | 1.13        | 0.30     | 0.00 | 0.52     |  |                      |  |
| 3 1L   | 0.000    | 61.917     | 0.000    | 11.159     | 198.223 | 203.597 | 4.27        | 1.13        | 1.13        | 1.13        | 0.30     | 0.00 | 0.52     |  |                      |  |
| 3 2  | 0.000    | 11.660     | 0.000    | -9.845     | 0.963   | 133.236 | 1.13        | 1.13        | 1.13        | 1.13        | 0.21     | 0.00 | 0.34     |  |                      |  |
| Spess.= 130.0 cm Axxinf= 1 d 20/20 Axxsup= -- Ayyinf= -- Ayysep= -- (e arm. base nelle due direz.)                           |          |            |          |            |         |         |             |             |             |             |          |      |          |  |                      |  |
| 4 1A   | 0.000    | -68.442    | 0.000    | -24.329    | 538.244 | 318.587 | 1.13        | 4.27        | 1.13        | 1.13        | 0.44     | 0.00 | 1.37     |  |                      |  |
| 4 1B   | 0.000    | -68.442    | 0.000    | -24.329    | 538.244 | 318.587 | 1.13        | 4.27        | 1.13        | 1.13        | 0.44     | 0.00 | 1.37     |  |                      |  |
| 4 1C   | 0.000    | 95.814     | 0.000    | 59.350     | 52.708  | 79.795  | 4.27        | 1.13        | 4.27        | 1.13        | 0.47     | 0.00 | 0.20     |  |                      |  |
| 4 1D   | 0.000    | 95.814     | 0.000    | 59.350     | 52.708  | 79.795  | 4.27        | 1.13        | 4.27        | 1.13        | 0.47     | 0.00 | 0.20     |  |                      |  |
| 4 1I   | 0.000    | -100.399   | 0.000    | -37.491    | 631.502 | 582.948 | 1.13        | 4.27        | 1.13        | 1.13        | 0.68     | 0.00 | 1.61     |  |                      |  |
| 4 1J   | 0.000    | -100.399   | 0.000    | -37.491    | 631.502 | 582.948 | 1.13        | 4.27        | 1.13        | 1.13        | 0.68     | 0.00 | 1.61     |  |                      |  |
| 4 1K   | 0.000    | 127.771    | 0.000    | 72.512     | 143.589 | 444.630 | 4.27        | 1.13        | 4.27        | 1.13        | 0.63     | 0.00 | 1.13     |  |                      |  |
| 4 1L   | 0.000    | 127.771    | 0.000    | 72.512     | 143.589 | 444.630 | 4.27        | 1.13        | 4.27        | 1.13        | 0.63     | 0.00 | 1.13     |  |                      |  |
| 4 2  | 0.000    | 18.335     | 0.000    | 19.880     | 12.698  | 309.079 | 1.13        | 1.13        | 1.13        | 1.13        | 0.36     | 0.00 | 0.79     |  |                      |  |
| Spess.= 130.0 cm Axxinf= 1 d 20/20 Axxsup= 1 d 20/20 Ayyinf= 1 d 20/20 Ayysep= -- (e arm. base nelle due direz.)             |          |            |          |            |         |         |             |             |             |             |          |      |          |  |                      |  |
| Armatura a taglio //y Vz(Mxx): Aswx= 5.69 cmq/m passox= 17 cm; Armatura a taglio //x Vz(Myy): Aswy= 5.25 cmq/m passoy= 19 cm |          |            |          |            |         |         |             |             |             |             |          |      |          |  |                      |  |
| 5 1A   | 0.000    | -41.002    | 0.000    | -23.906    | 10.496  | 196.820 | 1.13        | 1.13        | 1.13        | 1.13        | 0.75     | 0.00 | 0.50     |  |                      |  |
| 5 1B   | 0.000    | -41.002    | 0.000    | -23.906    | 10.496  | 196.820 | 1.13        | 1.13        | 1.13        | 1.13        | 0.75     | 0.00 | 0.50     |  |                      |  |
| 5 1C   | 0.000    | -2.316     | 0.000    | 35.912     | 52.384  | 9.492   | 1.13        | 1.13        | 1.13        | 1.13        | 0.66     | 0.00 | 0.13     |  |                      |  |
| 5 1D   | 0.000    | -2.316     | 0.000    | 35.912     | 52.384  | 9.492   | 1.13        | 1.13        | 1.13        | 1.13        | 0.66     | 0.00 | 0.13     |  |                      |  |
| 5 1I   | 0.000    | -65.656    | 0.000    | -44.868    | 46.951  | 352.768 | 1.13        | 4.27        | 1.13        | 1.13        | 0.82     | 0.00 | 0.90     |  |                      |  |
| 5 1J   | 0.000    | -65.656    | 0.000    | -44.868    | 46.951  | 352.768 | 1.13        | 4.27        | 1.13        | 1.13        | 0.82     | 0.00 | 0.90     |  |                      |  |
| 5 1K   | 0.000    | 22.338     | 0.000    | 56.874     | 87.514  | 71.383  | 1.13        | 1.13        | 4.27        | 1.13        | 0.41     | 0.00 | 0.22     |  |                      |  |
| 5 1L   | 0.000    | 22.338     | 0.000    | 56.874     | 87.514  | 71.383  | 1.13        | 1.13        | 4.27        | 1.13        | 0.41     | 0.00 | 0.22     |  |                      |  |
| 5 2  | 0.000    | -30.631    | 0.000    | 8.723      | 93.413  | 85.363  | 1.13        | 1.13        | 1.13        | 1.13        | 0.56     | 0.00 | 0.24     |  |                      |  |
| Spess.= 130.0 cm Axxinf= -- Axxsup= 1 d 20/20 Ayyinf= 1 d 20/20 Ayysep= -- (e arm. base nelle due direz.)                    |          |            |          |            |         |         |             |             |             |             |          |      |          |  |                      |  |
| 6 1A   | 0.000    | -17.228    | 0.000    | -19.839    | 62.594  | 131.371 | 1.13        | 1.13        | 1.13        | 1.13        | 0.36     | 0.00 | 0.33     |  |                      |  |
| 6 1B   | 0.000    | -17.228    | 0.000    | -19.839    | 62.594  | 131.371 | 1.13        | 1.13        | 1.13        | 1.13        | 0.36     | 0.00 | 0.33     |  |                      |  |
| 6 1C   | 0.000    | -13.002    | 0.000    | 38.938     | 78.017  | 51.981  | 1.13        | 1.13        | 1.13        | 1.13        | 0.71     | 0.00 | 0.20     |  |                      |  |
| 6 1D   | 0.000    | -13.002    | 0.000    | 38.938     | 78.017  | 51.981  | 1.13        | 1.13        | 1.13        | 1.13        | 0.71     | 0.00 | 0.20     |  |                      |  |

# VERIFICA PER MECCANISMI POTENZIALMENTE DUTTILI (PRESSOFLESSIONE)

Lavoro: **Aule\_revPS\_NTC+ Par\_04\_q=2-5** Intestazione lavoro:  
 Elemento: **PILASTRO** Gruppo: **7** Tabella: **Tabella pilastri**  
 Descrizione: **Pilastri Copertura**  
 Rcm: **21.00** N/mm<sup>2</sup> fym: **380.0** N/mm<sup>2</sup> fatt. confidenza: **1.00**  
 Tensioni di calcolo: fcdm: **-14.81** N/mm<sup>2</sup> fydm: **380.0** N/mm<sup>2</sup>  
 Coefficienti parziali di sicurezza dei materiali:  $\gamma_c$ : **1.50**  $\gamma_s$ : **1.15**  $\gamma_{cc}$ : **0.85**  
 Coefficiente di fragilità a sforzo normale: **0.800**

**ASTA NUM. 18** NI 127 NF 144 SEZ. Rp B= 0.400 H= 0.600 (pilastro)  
**PIL. NUM. 13**  
 Copriferro: 3.0 cm

| NC | x          | Fx      | My     | Mz   | APOST | AANT | AINF | ASUP    | My.Res. | Mz.Res. | I.R. | Note |
|----|------------|---------|--------|------|-------|------|------|---------|---------|---------|------|------|
|    | cm         | kN      | kN*m   |      | cmq   |      |      |         | kN*m    |         | Fx,M |      |
| 1A | 0-115.390  | -4.261  | 52.526 | 4.62 | 4.62  | 3.08 | 3.08 | 115.238 | 204.843 | 0.26    |      |      |
| 1B | 0-115.390  | -4.261  | 3.754  | 4.62 | 4.62  | 3.08 | 3.08 | 115.238 | 110.637 | 0.04    |      |      |
| 1C | 0-115.390  | -10.069 | 52.526 | 4.62 | 4.62  | 3.08 | 3.08 | 201.453 | 204.843 | 0.26    |      |      |
| 1D | 0-115.390  | -10.069 | 3.754  | 4.62 | 4.62  | 3.08 | 3.08 | 201.453 | 110.637 | 0.05    |      |      |
| 1E | 0 -44.790  | -4.261  | 52.526 | 4.62 | 4.62  | 3.08 | 3.08 | 209.076 | 123.547 | 0.43    |      |      |
| 1F | 0 -44.790  | -4.261  | 3.754  | 4.62 | 4.62  | 3.08 | 3.08 | 209.076 | 232.528 | 0.02    |      |      |
| 1G | 0 -44.790  | -10.069 | 52.526 | 4.62 | 4.62  | 3.08 | 3.08 | 185.194 | 123.547 | 0.43    |      |      |
| 1H | 0 -44.790  | -10.069 | 3.754  | 4.62 | 4.62  | 3.08 | 3.08 | 185.194 | 232.528 | 0.05    |      |      |
| 1I | 0-103.147  | -1.130  | 38.387 | 4.62 | 4.62  | 3.08 | 3.08 | 39.684  | 242.538 | 0.16    |      |      |
| 1J | 0-103.147  | -1.130  | 17.893 | 4.62 | 4.62  | 3.08 | 3.08 | 39.684  | 321.226 | 0.06    |      |      |
| 1K | 0-103.147  | -13.200 | 38.387 | 4.62 | 4.62  | 3.08 | 3.08 | 230.192 | 242.538 | 0.16    |      |      |
| 1L | 0-103.147  | -13.200 | 17.893 | 4.62 | 4.62  | 3.08 | 3.08 | 230.192 | 321.226 | 0.06    |      |      |
| 1M | 0 -57.033  | -1.130  | 38.387 | 4.62 | 4.62  | 3.08 | 3.08 | 68.133  | 154.650 | 0.25    |      |      |
| 1N | 0 -57.033  | -1.130  | 17.893 | 4.62 | 4.62  | 3.08 | 3.08 | 68.133  | 273.411 | 0.07    |      |      |
| 1O | 0 -57.033  | -13.200 | 38.387 | 4.62 | 4.62  | 3.08 | 3.08 | 180.493 | 154.650 | 0.25    |      |      |
| 1P | 0 -57.033  | -13.200 | 17.893 | 4.62 | 4.62  | 3.08 | 3.08 | 180.493 | 273.411 | 0.07    |      |      |
| 1A | 7-114.997  | -2.810  | 43.427 | 4.62 | 4.62  | 3.08 | 3.08 | 81.729  | 239.681 | 0.18    |      |      |
| 1B | 7-114.997  | -2.810  | 0.564  | 4.62 | 4.62  | 3.08 | 3.08 | 81.729  | 18.484  | 0.04    |      |      |
| 1C | 7-114.997  | -9.092  | 43.427 | 4.62 | 4.62  | 3.08 | 3.08 | 192.106 | 239.681 | 0.18    |      |      |
| 1D | 7-114.997  | -9.092  | 0.564  | 4.62 | 4.62  | 3.08 | 3.08 | 192.106 | 18.484  | 0.05    |      |      |
| 1E | 7 -44.397  | -2.810  | 43.427 | 4.62 | 4.62  | 3.08 | 3.08 | 169.480 | 130.760 | 0.33    |      |      |
| 1F | 7 -44.397  | -2.810  | 0.564  | 4.62 | 4.62  | 3.08 | 3.08 | 169.480 | 46.682  | 0.02    |      |      |
| 1G | 7 -44.397  | -9.092  | 43.427 | 4.62 | 4.62  | 3.08 | 3.08 | 199.739 | 130.760 | 0.33    |      |      |
| 1H | 7 -44.397  | -9.092  | 0.564  | 4.62 | 4.62  | 3.08 | 3.08 | 199.739 | 46.682  | 0.05    |      |      |
| 1I | 7-102.754  | 0.660   | 30.951 | 4.62 | 4.62  | 3.08 | 3.08 | 23.739  | 278.525 | 0.11    |      |      |
| 1J | 7-102.754  | 0.660   | 13.040 | 4.62 | 4.62  | 3.08 | 3.08 | 23.739  | 290.722 | 0.04    |      |      |
| 1K | 7-102.754  | -12.563 | 30.951 | 4.62 | 4.62  | 3.08 | 3.08 | 227.490 | 278.525 | 0.11    |      |      |
| 1L | 7-102.754  | -12.563 | 13.040 | 4.62 | 4.62  | 3.08 | 3.08 | 227.490 | 290.722 | 0.06    |      |      |
| 1M | 7 -56.640  | 0.660   | 30.951 | 4.62 | 4.62  | 3.08 | 3.08 | 41.890  | 177.226 | 0.17    |      |      |
| 1N | 7 -56.640  | 0.660   | 13.040 | 4.62 | 4.62  | 3.08 | 3.08 | 41.890  | 310.887 | 0.04    |      |      |
| 1O | 7 -56.640  | -12.563 | 30.951 | 4.62 | 4.62  | 3.08 | 3.08 | 187.389 | 177.226 | 0.17    |      |      |
| 1P | 7 -56.640  | -12.563 | 13.040 | 4.62 | 4.62  | 3.08 | 3.08 | 187.389 | 310.887 | 0.07    |      |      |
| 1A | 13-114.605 | -1.360  | 34.327 | 4.62 | 4.62  | 3.08 | 3.08 | 42.623  | 279.238 | 0.12    |      |      |
| 1B | 13-114.605 | -1.360  | -2.626 | 4.62 | 4.62  | 3.08 | 3.08 | 42.623  | 80.942  | 0.04    |      |      |
| 1C | 13-114.605 | -8.115  | 34.327 | 4.62 | 4.62  | 3.08 | 3.08 | 181.066 | 279.238 | 0.12    |      |      |
| 1D | 13-114.605 | -8.115  | -2.626 | 4.62 | 4.62  | 3.08 | 3.08 | 181.066 | 80.942  | 0.04    |      |      |
| 1E | 13 -44.005 | -1.360  | 34.327 | 4.62 | 4.62  | 3.08 | 3.08 | 99.763  | 143.309 | 0.24    |      |      |
| 1F | 13 -44.005 | -1.360  | -2.626 | 4.62 | 4.62  | 3.08 | 3.08 | 99.763  | 182.857 | 0.01    |      |      |
| 1G | 13 -44.005 | -8.115  | 34.327 | 4.62 | 4.62  | 3.08 | 3.08 | 213.811 | 143.309 | 0.24    |      |      |
| 1H | 13 -44.005 | -8.115  | -2.626 | 4.62 | 4.62  | 3.08 | 3.08 | 213.811 | 182.857 | 0.04    |      |      |
| 1I | 13-102.362 | 2.450   | 23.514 | 4.62 | 4.62  | 3.08 | 3.08 | 80.271  | 311.097 | 0.08    |      |      |
| 1J | 13-102.362 | 2.450   | 8.187  | 4.62 | 4.62  | 3.08 | 3.08 | 80.271  | 225.549 | 0.04    |      |      |
| 1K | 13-102.362 | -11.926 | 23.514 | 4.62 | 4.62  | 3.08 | 3.08 | 224.420 | 311.097 | 0.08    |      |      |
| 1L | 13-102.362 | -11.926 | 8.187  | 4.62 | 4.62  | 3.08 | 3.08 | 224.420 | 225.549 | 0.05    |      |      |
| 1M | 13 -56.248 | 2.450   | 23.514 | 4.62 | 4.62  | 3.08 | 3.08 | 131.053 | 220.001 | 0.11    |      |      |
| 1N | 13 -56.248 | 2.450   | 8.187  | 4.62 | 4.62  | 3.08 | 3.08 | 131.053 | 306.079 | 0.03    |      |      |
| 1O | 13 -56.248 | -11.926 | 23.514 | 4.62 | 4.62  | 3.08 | 3.08 | 194.472 | 220.001 | 0.11    |      |      |
| 1P | 13 -56.248 | -11.926 | 8.187  | 4.62 | 4.62  | 3.08 | 3.08 | 194.472 | 306.079 | 0.06    |      |      |
| 1A | 20-114.212 | 0.090   | 25.228 | 4.62 | 4.62  | 3.08 | 3.08 | 2.751   | 314.554 | 0.08    |      |      |
| 1B | 20-114.212 | 0.090   | -5.816 | 4.62 | 4.62  | 3.08 | 3.08 | 2.751   | 161.280 | 0.04    |      |      |
| 1C | 20-114.212 | -7.138  | 25.228 | 4.62 | 4.62  | 3.08 | 3.08 | 168.153 | 314.554 | 0.08    |      |      |
| 1D | 20-114.212 | -7.138  | -5.816 | 4.62 | 4.62  | 3.08 | 3.08 | 168.153 | 161.280 | 0.04    |      |      |
| 1E | 20 -43.612 | 0.090   | 25.228 | 4.62 | 4.62  | 3.08 | 3.08 | 7.639   | 170.097 | 0.15    |      |      |
| 1F | 20 -43.612 | 0.090   | -5.816 | 4.62 | 4.62  | 3.08 | 3.08 | 7.639   | 296.594 | 0.02    |      |      |
| 1G | 20 -43.612 | -7.138  | 25.228 | 4.62 | 4.62  | 3.08 | 3.08 | 225.416 | 170.097 | 0.15    |      |      |
| 1H | 20 -43.612 | -7.138  | -5.816 | 4.62 | 4.62  | 3.08 | 3.08 | 225.416 | 296.594 | 0.03    |      |      |
| 1I | 20-101.969 | 4.241   | 16.078 | 4.62 | 4.62  | 3.08 | 3.08 | 126.495 | 313.644 | 0.05    |      |      |
| 1J | 20-101.969 | 4.241   | 3.334  | 4.62 | 4.62  | 3.08 | 3.08 | 126.495 | 111.130 | 0.03    |      |      |
| 1K | 20-101.969 | -11.289 | 16.078 | 4.62 | 4.62  | 3.08 | 3.08 | 220.923 | 313.644 | 0.05    |      |      |
| 1L | 20-101.969 | -11.289 | 3.334  | 4.62 | 4.62  | 3.08 | 3.08 | 220.923 | 111.130 | 0.05    |      |      |
| 1M | 20 -55.855 | 4.241   | 16.078 | 4.62 | 4.62  | 3.08 | 3.08 | 188.108 | 284.340 | 0.06    |      |      |
| 1N | 20 -55.855 | 4.241   | 3.334  | 4.62 | 4.62  | 3.08 | 3.08 | 188.108 | 182.902 | 0.02    |      |      |
| 1O | 20 -55.855 | -11.289 | 16.078 | 4.62 | 4.62  | 3.08 | 3.08 | 201.665 | 284.340 | 0.06    |      |      |
| 1P | 20 -55.855 | -11.289 | 3.334  | 4.62 | 4.62  | 3.08 | 3.08 | 201.665 | 182.902 | 0.06    |      |      |
| 1A | 27-113.819 | 1.541   | 16.128 | 4.62 | 4.62  | 3.08 | 3.08 | 48.244  | 303.301 | 0.05    |      |      |
| 1B | 27-113.819 | 1.541   | -9.005 | 4.62 | 4.62  | 3.08 | 3.08 | 48.244  | 223.932 | 0.04    |      |      |
| 1C | 27-113.819 | -6.161  | 16.128 | 4.62 | 4.62  | 3.08 | 3.08 | 153.142 | 303.301 | 0.05    |      |      |
| 1D | 27-113.819 | -6.161  | -9.005 | 4.62 | 4.62  | 3.08 | 3.08 | 153.142 | 223.932 | 0.04    |      |      |
| 1E | 27 -43.219 | 1.541   | 16.128 | 4.62 | 4.62  | 3.08 | 3.08 | 112.012 | 242.008 | 0.07    |      |      |
| 1F | 27 -43.219 | 1.541   | -9.005 | 4.62 | 4.62  | 3.08 | 3.08 | 112.012 | 318.631 | 0.03    |      |      |
| 1G | 27 -43.219 | -6.161  | 16.128 | 4.62 | 4.62  | 3.08 | 3.08 | 231.952 | 242.008 | 0.07    |      |      |
| 1H | 27 -43.219 | -6.161  | -9.005 | 4.62 | 4.62  | 3.08 | 3.08 | 231.952 | 318.631 | 0.03    |      |      |
| 1I | 27-101.576 | 6.031   | 8.642  | 4.62 | 4.62  | 3.08 | 3.08 | 162.792 | 234.771 | 0.04    |      |      |

|    |            |         |         |      |      |      |      |         |         |      |
|----|------------|---------|---------|------|------|------|------|---------|---------|------|
| 1J | 27-101.576 | 6.031   | -1.519  | 4.62 | 4.62 | 3.08 | 3.08 | 162.792 | 54.577  | 0.04 |
| 1K | 27-101.576 | -10.652 | 8.642   | 4.62 | 4.62 | 3.08 | 3.08 | 216.932 | 234.771 | 0.05 |
| 1L | 27-101.576 | -10.652 | -1.519  | 4.62 | 4.62 | 3.08 | 3.08 | 216.932 | 54.577  | 0.05 |
| 1M | 27 -55.462 | 6.031   | 8.642   | 4.62 | 4.62 | 3.08 | 3.08 | 219.636 | 312.589 | 0.03 |
| 1N | 27 -55.462 | 6.031   | -1.519  | 4.62 | 4.62 | 3.08 | 3.08 | 219.636 | 94.957  | 0.03 |
| 1O | 27 -55.462 | -10.652 | 8.642   | 4.62 | 4.62 | 3.08 | 3.08 | 208.743 | 312.589 | 0.05 |
| 1P | 27 -55.462 | -10.652 | -1.519  | 4.62 | 4.62 | 3.08 | 3.08 | 208.743 | 94.957  | 0.05 |
| 1A | 33-113.427 | 2.991   | 7.028   | 4.62 | 4.62 | 3.08 | 3.08 | 87.270  | 188.176 | 0.04 |
| 1B | 33-113.427 | 2.991   | -12.195 | 4.62 | 4.62 | 3.08 | 3.08 | 87.270  | 268.908 | 0.05 |
| 1C | 33-113.427 | -5.184  | 7.028   | 4.62 | 4.62 | 3.08 | 3.08 | 135.829 | 188.176 | 0.04 |
| 1D | 33-113.427 | -5.184  | -12.195 | 4.62 | 4.62 | 3.08 | 3.08 | 135.829 | 268.908 | 0.05 |
| 1E | 33 -42.827 | 2.991   | 7.028   | 4.62 | 4.62 | 3.08 | 3.08 | 179.655 | 317.015 | 0.02 |
| 1F | 33 -42.827 | 2.991   | -12.195 | 4.62 | 4.62 | 3.08 | 3.08 | 179.655 | 285.736 | 0.04 |
| 1G | 33 -42.827 | -5.184  | 7.028   | 4.62 | 4.62 | 3.08 | 3.08 | 226.879 | 317.015 | 0.02 |
| 1H | 33 -42.827 | -5.184  | -12.195 | 4.62 | 4.62 | 3.08 | 3.08 | 226.879 | 285.736 | 0.04 |
| 1I | 33-101.184 | 7.822   | 1.205   | 4.62 | 4.62 | 3.08 | 3.08 | 189.890 | 43.866  | 0.04 |
| 1J | 33-101.184 | 7.822   | -6.372  | 4.62 | 4.62 | 3.08 | 3.08 | 189.890 | 190.476 | 0.04 |
| 1K | 33-101.184 | -10.015 | 1.205   | 4.62 | 4.62 | 3.08 | 3.08 | 212.376 | 43.866  | 0.05 |
| 1L | 33-101.184 | -10.015 | -6.372  | 4.62 | 4.62 | 3.08 | 3.08 | 212.376 | 190.476 | 0.05 |
| 1M | 33 -55.070 | 7.822   | 1.205   | 4.62 | 4.62 | 3.08 | 3.08 | 232.026 | 77.612  | 0.03 |
| 1N | 33 -55.070 | 7.822   | -6.372  | 4.62 | 4.62 | 3.08 | 3.08 | 232.026 | 278.929 | 0.03 |
| 1O | 33 -55.070 | -10.015 | 1.205   | 4.62 | 4.62 | 3.08 | 3.08 | 215.461 | 77.612  | 0.05 |
| 1P | 33 -55.070 | -10.015 | -6.372  | 4.62 | 4.62 | 3.08 | 3.08 | 215.461 | 278.929 | 0.05 |
| 1A | 40-113.034 | 4.442   | -2.071  | 4.62 | 4.62 | 3.08 | 3.08 | 121.101 | 65.956  | 0.04 |
| 1B | 40-113.034 | 4.442   | -15.385 | 4.62 | 4.62 | 3.08 | 3.08 | 121.101 | 298.919 | 0.05 |
| 1C | 40-113.034 | -4.208  | -2.071  | 4.62 | 4.62 | 3.08 | 3.08 | 115.985 | 65.956  | 0.04 |
| 1D | 40-113.034 | -4.208  | -15.385 | 4.62 | 4.62 | 3.08 | 3.08 | 115.985 | 298.919 | 0.05 |
| 1E | 40 -42.434 | 4.442   | -2.071  | 4.62 | 4.62 | 3.08 | 3.08 | 216.789 | 155.776 | 0.02 |
| 1F | 40 -42.434 | 4.442   | -15.385 | 4.62 | 4.62 | 3.08 | 3.08 | 216.789 | 247.711 | 0.06 |
| 1G | 40 -42.434 | -4.208  | -2.071  | 4.62 | 4.62 | 3.08 | 3.08 | 212.521 | 155.776 | 0.02 |
| 1H | 40 -42.434 | -4.208  | -15.385 | 4.62 | 4.62 | 3.08 | 3.08 | 212.521 | 247.711 | 0.06 |
| 1I | 40-100.791 | 9.612   | -6.231  | 4.62 | 4.62 | 3.08 | 3.08 | 209.287 | 187.848 | 0.05 |
| 1J | 40-100.791 | 9.612   | -11.225 | 4.62 | 4.62 | 3.08 | 3.08 | 209.287 | 273.775 | 0.05 |
| 1K | 40-100.791 | -9.378  | -6.231  | 4.62 | 4.62 | 3.08 | 3.08 | 207.175 | 187.848 | 0.05 |
| 1L | 40-100.791 | -9.378  | -11.225 | 4.62 | 4.62 | 3.08 | 3.08 | 207.175 | 273.775 | 0.05 |
| 1M | 40 -54.677 | 9.612   | -6.231  | 4.62 | 4.62 | 3.08 | 3.08 | 219.108 | 276.894 | 0.04 |
| 1N | 40 -54.677 | 9.612   | -11.225 | 4.62 | 4.62 | 3.08 | 3.08 | 219.108 | 319.445 | 0.04 |
| 1O | 40 -54.677 | -9.378  | -6.231  | 4.62 | 4.62 | 3.08 | 3.08 | 221.498 | 276.894 | 0.04 |
| 1P | 40 -54.677 | -9.378  | -11.225 | 4.62 | 4.62 | 3.08 | 3.08 | 221.498 | 319.445 | 0.04 |
| 1A | 47-112.641 | 5.892   | -11.171 | 4.62 | 4.62 | 3.08 | 3.08 | 149.580 | 257.392 | 0.04 |
| 1B | 47-112.641 | 5.892   | -18.575 | 4.62 | 4.62 | 3.08 | 3.08 | 149.580 | 317.399 | 0.06 |
| 1C | 47-112.641 | -3.231  | -11.171 | 4.62 | 4.62 | 3.08 | 3.08 | 93.718  | 257.392 | 0.04 |
| 1D | 47-112.641 | -3.231  | -18.575 | 4.62 | 4.62 | 3.08 | 3.08 | 93.718  | 317.399 | 0.06 |
| 1E | 47 -42.041 | 5.892   | -11.171 | 4.62 | 4.62 | 3.08 | 3.08 | 232.250 | 294.598 | 0.04 |
| 1F | 47 -42.041 | 5.892   | -18.575 | 4.62 | 4.62 | 3.08 | 3.08 | 232.250 | 209.969 | 0.09 |
| 1G | 47 -42.041 | -3.231  | -11.171 | 4.62 | 4.62 | 3.08 | 3.08 | 189.302 | 294.598 | 0.04 |
| 1H | 47 -42.041 | -3.231  | -18.575 | 4.62 | 4.62 | 3.08 | 3.08 | 189.302 | 209.969 | 0.09 |
| 1I | 47-100.398 | 11.402  | -13.667 | 4.62 | 4.62 | 3.08 | 3.08 | 222.704 | 298.938 | 0.05 |
| 1J | 47-100.398 | 11.402  | -16.078 | 4.62 | 4.62 | 3.08 | 3.08 | 222.704 | 314.985 | 0.05 |
| 1K | 47-100.398 | -8.741  | -13.667 | 4.62 | 4.62 | 3.08 | 3.08 | 201.244 | 298.938 | 0.05 |
| 1L | 47-100.398 | -8.741  | -16.078 | 4.62 | 4.62 | 3.08 | 3.08 | 201.244 | 314.985 | 0.05 |
| 1M | 47 -54.284 | 11.402  | -13.667 | 4.62 | 4.62 | 3.08 | 3.08 | 195.905 | 301.198 | 0.06 |
| 1N | 47 -54.284 | 11.402  | -16.078 | 4.62 | 4.62 | 3.08 | 3.08 | 195.905 | 280.673 | 0.06 |
| 1O | 47 -54.284 | -8.741  | -13.667 | 4.62 | 4.62 | 3.08 | 3.08 | 226.577 | 301.198 | 0.05 |
| 1P | 47 -54.284 | -8.741  | -16.078 | 4.62 | 4.62 | 3.08 | 3.08 | 226.577 | 280.673 | 0.06 |
| 1A | 57-112.052 | 8.067   | -24.820 | 4.62 | 4.62 | 3.08 | 3.08 | 182.760 | 314.324 | 0.08 |
| 1B | 57-112.052 | 8.067   | -23.359 | 4.62 | 4.62 | 3.08 | 3.08 | 182.760 | 318.602 | 0.07 |
| 1C | 57-112.052 | -1.765  | -24.820 | 4.62 | 4.62 | 3.08 | 3.08 | 55.493  | 314.324 | 0.08 |
| 1D | 57-112.052 | -1.765  | -23.359 | 4.62 | 4.62 | 3.08 | 3.08 | 55.493  | 318.602 | 0.07 |
| 1E | 57 -41.452 | 8.067   | -24.820 | 4.62 | 4.62 | 3.08 | 3.08 | 206.980 | 166.161 | 0.15 |
| 1F | 57 -41.452 | 8.067   | -23.359 | 4.62 | 4.62 | 3.08 | 3.08 | 206.980 | 173.270 | 0.13 |
| 1G | 57 -41.452 | -1.765  | -24.820 | 4.62 | 4.62 | 3.08 | 3.08 | 128.810 | 166.161 | 0.15 |
| 1H | 57 -41.452 | -1.765  | -23.359 | 4.62 | 4.62 | 3.08 | 3.08 | 128.810 | 173.270 | 0.13 |
| 1I | 57 -99.809 | 14.088  | -24.822 | 4.62 | 4.62 | 3.08 | 3.08 | 232.139 | 302.641 | 0.08 |
| 1J | 57 -99.809 | 14.088  | -23.358 | 4.62 | 4.62 | 3.08 | 3.08 | 232.139 | 309.284 | 0.08 |
| 1K | 57 -99.809 | -7.786  | -24.822 | 4.62 | 4.62 | 3.08 | 3.08 | 190.784 | 302.641 | 0.08 |
| 1L | 57 -99.809 | -7.786  | -23.358 | 4.62 | 4.62 | 3.08 | 3.08 | 190.784 | 309.284 | 0.08 |
| 1M | 57 -53.695 | 14.088  | -24.822 | 4.62 | 4.62 | 3.08 | 3.08 | 159.873 | 202.281 | 0.12 |
| 1N | 57 -53.695 | 14.088  | -23.358 | 4.62 | 4.62 | 3.08 | 3.08 | 159.873 | 212.720 | 0.11 |
| 1O | 57 -53.695 | -7.786  | -24.822 | 4.62 | 4.62 | 3.08 | 3.08 | 231.552 | 202.281 | 0.12 |
| 1P | 57 -53.695 | -7.786  | -23.358 | 4.62 | 4.62 | 3.08 | 3.08 | 231.552 | 212.720 | 0.11 |
| 1A | 63-111.660 | 9.518   | -33.920 | 4.62 | 4.62 | 3.08 | 3.08 | 199.287 | 277.448 | 0.12 |
| 1B | 63-111.660 | 9.518   | -26.549 | 4.62 | 4.62 | 3.08 | 3.08 | 199.287 | 307.651 | 0.09 |
| 1C | 63-111.660 | -0.788  | -33.920 | 4.62 | 4.62 | 3.08 | 3.08 | 26.059  | 277.448 | 0.12 |
| 1D | 63-111.660 | -0.788  | -26.549 | 4.62 | 4.62 | 3.08 | 3.08 | 26.059  | 307.651 | 0.09 |
| 1E | 63 -41.060 | 9.518   | -33.920 | 4.62 | 4.62 | 3.08 | 3.08 | 180.235 | 139.655 | 0.24 |
| 1F | 63 -41.060 | 9.518   | -26.549 | 4.62 | 4.62 | 3.08 | 3.08 | 180.235 | 158.314 | 0.17 |
| 1G | 63 -41.060 | -0.788  | -33.920 | 4.62 | 4.62 | 3.08 | 3.08 | 66.215  | 139.655 | 0.24 |
| 1H | 63 -41.060 | -0.788  | -26.549 | 4.62 | 4.62 | 3.08 | 3.08 | 66.215  | 158.314 | 0.17 |
| 1I | 63 -99.417 | 15.878  | -32.258 | 4.62 | 4.62 | 3.08 | 3.08 | 227.117 | 269.273 | 0.12 |
| 1J | 63 -99.417 | 15.878  | -28.211 | 4.62 | 4.62 | 3.08 | 3.08 | 227.117 | 286.187 | 0.10 |
| 1K | 63 -99.417 | -7.149  | -32.258 | 4.62 | 4.62 | 3.08 | 3.08 | 182.632 | 269.273 | 0.12 |
| 1L | 63 -99.417 | -7.149  | -28.211 | 4.62 | 4.62 | 3.08 | 3.08 | 182.632 | 286.187 | 0.10 |
| 1M | 63 -53.303 | 15.878  | -32.258 | 4.62 | 4.62 | 3.08 | 3.08 | 139.410 | 164.997 | 0.20 |
| 1N | 63 -53.303 | 15.878  | -28.211 | 4.62 | 4.62 | 3.08 | 3.08 | 139.410 | 181.612 | 0.16 |
| 1O | 63 -53.303 | -7.149  | -32.258 | 4.62 | 4.62 | 3.08 | 3.08 | 232.538 | 164.997 | 0.20 |
| 1P | 63 -53.303 | -7.149  | -28.211 | 4.62 | 4.62 | 3.08 | 3.08 | 232.538 | 181.612 | 0.16 |
| 1A | 70-111.267 | 10.968  | -43.019 | 4.62 | 4.62 | 3.08 | 3.08 | 212.044 | 235.117 | 0.18 |
| 1B | 70-111.267 | 10.968  | -29.739 | 4.62 | 4.62 | 3.08 | 3.08 | 212.044 | 293.858 | 0.10 |
| 1C | 70-111.267 | 0.189   | -43.019 | 4.62 | 4.62 | 3.08 | 3.08 | 6.254   | 235.117 | 0.18 |
| 1D | 70-111.267 | 0.189   | -29.739 | 4.62 | 4.62 | 3.08 | 3.08 | 6.254   | 293.858 | 0.10 |
| 1E | 70 -40.667 | 10.968  | -43.019 | 4.62 | 4.62 | 3.08 | 3.08 | 155.465 | 127.395 | 0.34 |

|    |             |         |         |         |      |      |      |      |         |         |      |
|----|-------------|---------|---------|---------|------|------|------|------|---------|---------|------|
| 1F | 70          | -40.667 | 10.968  | -29.739 | 4.62 | 4.62 | 3.08 | 3.08 | 155.465 | 147.899 | 0.20 |
| 1G | 70          | -40.667 | 0.189   | -43.019 | 4.62 | 4.62 | 3.08 | 3.08 | 17.262  | 127.395 | 0.34 |
| 1H | 70          | -40.667 | 0.189   | -29.739 | 4.62 | 4.62 | 3.08 | 3.08 | 17.262  | 147.899 | 0.20 |
| 1I | 70          | -99.024 | 17.669  | -39.695 | 4.62 | 4.62 | 3.08 | 3.08 | 217.559 | 228.060 | 0.17 |
| 1J | 70          | -99.024 | 17.669  | -33.063 | 4.62 | 4.62 | 3.08 | 3.08 | 217.559 | 264.037 | 0.13 |
| 1K | 70          | -99.024 | -6.512  | -39.695 | 4.62 | 4.62 | 3.08 | 3.08 | 173.442 | 228.060 | 0.17 |
| 1L | 70          | -99.024 | -6.512  | -33.063 | 4.62 | 4.62 | 3.08 | 3.08 | 173.442 | 264.037 | 0.13 |
| 1M | 70          | -52.910 | 17.669  | -39.695 | 4.62 | 4.62 | 3.08 | 3.08 | 124.856 | 146.017 | 0.27 |
| 1N | 70          | -52.910 | 17.669  | -33.063 | 4.62 | 4.62 | 3.08 | 3.08 | 124.856 | 161.646 | 0.20 |
| 1O | 70          | -52.910 | -6.512  | -39.695 | 4.62 | 4.62 | 3.08 | 3.08 | 227.895 | 146.017 | 0.27 |
| 1P | 70          | -52.910 | -6.512  | -33.063 | 4.62 | 4.62 | 3.08 | 3.08 | 227.895 | 161.646 | 0.20 |
| 1A | 77-110.874  | 12.419  | -52.119 |         | 4.62 | 4.62 | 3.08 | 3.08 | 221.744 | 199.562 | 0.26 |
| 1B | 77-110.874  | 12.419  | -32.928 |         | 4.62 | 4.62 | 3.08 | 3.08 | 221.744 | 280.324 | 0.12 |
| 1C | 77-110.874  | 1.166   | -52.119 |         | 4.62 | 4.62 | 3.08 | 3.08 | 38.150  | 199.562 | 0.26 |
| 1D | 77-110.874  | 1.166   | -32.928 |         | 4.62 | 4.62 | 3.08 | 3.08 | 38.150  | 280.324 | 0.12 |
| 1E | 77 -40.274  | 12.419  | -52.119 |         | 4.62 | 4.62 | 3.08 | 3.08 | 134.591 | 120.389 | 0.43 |
| 1F | 77 -40.274  | 12.419  | -32.928 |         | 4.62 | 4.62 | 3.08 | 3.08 | 134.591 | 140.288 | 0.23 |
| 1G | 77 -40.274  | 1.166   | -52.119 |         | 4.62 | 4.62 | 3.08 | 3.08 | 94.442  | 120.389 | 0.43 |
| 1H | 77 -40.274  | 1.166   | -32.928 |         | 4.62 | 4.62 | 3.08 | 3.08 | 94.442  | 140.288 | 0.23 |
| 1I | 77 -98.631  | 19.459  | -47.131 |         | 4.62 | 4.62 | 3.08 | 3.08 | 205.084 | 196.961 | 0.24 |
| 1J | 77 -98.631  | 19.459  | -37.917 |         | 4.62 | 4.62 | 3.08 | 3.08 | 205.084 | 236.220 | 0.16 |
| 1K | 77 -98.631  | -5.875  | -47.131 |         | 4.62 | 4.62 | 3.08 | 3.08 | 163.122 | 196.961 | 0.24 |
| 1L | 77 -98.631  | -5.875  | -37.917 |         | 4.62 | 4.62 | 3.08 | 3.08 | 163.122 | 236.220 | 0.16 |
| 1M | 77 -52.517  | 19.459  | -47.131 |         | 4.62 | 4.62 | 3.08 | 3.08 | 114.570 | 134.986 | 0.35 |
| 1N | 77 -52.517  | 19.459  | -37.917 |         | 4.62 | 4.62 | 3.08 | 3.08 | 114.570 | 148.874 | 0.25 |
| 1O | 77 -52.517  | -5.875  | -47.131 |         | 4.62 | 4.62 | 3.08 | 3.08 | 221.656 | 134.986 | 0.35 |
| 1P | 77 -52.517  | -5.875  | -37.917 |         | 4.62 | 4.62 | 3.08 | 3.08 | 221.656 | 148.874 | 0.25 |
| 1A | 83-110.482  | 13.869  | -61.218 |         | 4.62 | 4.62 | 3.08 | 3.08 | 229.078 | 175.405 | 0.35 |
| 1B | 83-110.482  | 13.869  | -36.118 |         | 4.62 | 4.62 | 3.08 | 3.08 | 229.078 | 268.161 | 0.13 |
| 1C | 83-110.482  | 2.143   | -61.218 |         | 4.62 | 4.62 | 3.08 | 3.08 | 66.823  | 175.405 | 0.35 |
| 1D | 83-110.482  | 2.143   | -36.118 |         | 4.62 | 4.62 | 3.08 | 3.08 | 66.823  | 268.161 | 0.13 |
| 1E | 83 -39.882  | 13.869  | -61.218 |         | 4.62 | 4.62 | 3.08 | 3.08 | 120.575 | 115.868 | 0.53 |
| 1F | 83 -39.882  | 13.869  | -36.118 |         | 4.62 | 4.62 | 3.08 | 3.08 | 120.575 | 134.510 | 0.27 |
| 1G | 83 -39.882  | 2.143   | -61.218 |         | 4.62 | 4.62 | 3.08 | 3.08 | 152.354 | 115.868 | 0.53 |
| 1H | 83 -39.882  | 2.143   | -36.118 |         | 4.62 | 4.62 | 3.08 | 3.08 | 152.354 | 134.510 | 0.27 |
| 1I | 83 -98.239  | 21.250  | -54.567 |         | 4.62 | 4.62 | 3.08 | 3.08 | 191.360 | 175.092 | 0.31 |
| 1J | 83 -98.239  | 21.250  | -42.770 |         | 4.62 | 4.62 | 3.08 | 3.08 | 191.360 | 212.571 | 0.20 |
| 1K | 83 -98.239  | -5.238  | -54.567 |         | 4.62 | 4.62 | 3.08 | 3.08 | 151.566 | 175.092 | 0.31 |
| 1L | 83 -98.239  | -5.238  | -42.770 |         | 4.62 | 4.62 | 3.08 | 3.08 | 151.566 | 212.571 | 0.20 |
| 1M | 83 -52.125  | 21.250  | -54.567 |         | 4.62 | 4.62 | 3.08 | 3.08 | 106.958 | 127.820 | 0.43 |
| 1N | 83 -52.125  | 21.250  | -42.770 |         | 4.62 | 4.62 | 3.08 | 3.08 | 106.958 | 140.069 | 0.31 |
| 1O | 83 -52.125  | -5.238  | -54.567 |         | 4.62 | 4.62 | 3.08 | 3.08 | 213.600 | 127.820 | 0.43 |
| 1P | 83 -52.125  | -5.238  | -42.770 |         | 4.62 | 4.62 | 3.08 | 3.08 | 213.600 | 140.069 | 0.31 |
| 1A | 90-110.089  | 15.319  | -70.318 |         | 4.62 | 4.62 | 3.08 | 3.08 | 232.343 | 159.488 | 0.44 |
| 1B | 90-110.089  | 15.319  | -39.308 |         | 4.62 | 4.62 | 3.08 | 3.08 | 232.343 | 250.739 | 0.16 |
| 1C | 90-110.089  | 3.120   | -70.318 |         | 4.62 | 4.62 | 3.08 | 3.08 | 92.771  | 159.488 | 0.44 |
| 1D | 90-110.089  | 3.120   | -39.308 |         | 4.62 | 4.62 | 3.08 | 3.08 | 92.771  | 250.739 | 0.16 |
| 1E | 90 -39.489  | 15.319  | -70.318 |         | 4.62 | 4.62 | 3.08 | 3.08 | 110.717 | 112.712 | 0.62 |
| 1F | 90 -39.489  | 15.319  | -39.308 |         | 4.62 | 4.62 | 3.08 | 3.08 | 110.717 | 129.971 | 0.30 |
| 1G | 90 -39.489  | 3.120   | -70.318 |         | 4.62 | 4.62 | 3.08 | 3.08 | 192.024 | 112.712 | 0.62 |
| 1H | 90 -39.489  | 3.120   | -39.308 |         | 4.62 | 4.62 | 3.08 | 3.08 | 192.024 | 129.971 | 0.30 |
| 1I | 90 -97.846  | 23.040  | -62.004 |         | 4.62 | 4.62 | 3.08 | 3.08 | 177.656 | 160.266 | 0.39 |
| 1J | 90 -97.846  | 23.040  | -47.623 |         | 4.62 | 4.62 | 3.08 | 3.08 | 177.656 | 194.124 | 0.25 |
| 1K | 90 -97.846  | -4.601  | -62.004 |         | 4.62 | 4.62 | 3.08 | 3.08 | 138.681 | 160.266 | 0.39 |
| 1L | 90 -97.846  | -4.601  | -47.623 |         | 4.62 | 4.62 | 3.08 | 3.08 | 138.681 | 194.124 | 0.25 |
| 1M | 90 -51.732  | 23.040  | -62.004 |         | 4.62 | 4.62 | 3.08 | 3.08 | 101.146 | 122.809 | 0.50 |
| 1N | 90 -51.732  | 23.040  | -47.623 |         | 4.62 | 4.62 | 3.08 | 3.08 | 101.146 | 133.674 | 0.36 |
| 1O | 90 -51.732  | -4.601  | -62.004 |         | 4.62 | 4.62 | 3.08 | 3.08 | 203.183 | 122.809 | 0.50 |
| 1P | 90 -51.732  | -4.601  | -47.623 |         | 4.62 | 4.62 | 3.08 | 3.08 | 203.183 | 133.674 | 0.36 |
| 1A | 100-109.500 | 17.495  | -83.967 |         | 4.62 | 4.62 | 3.08 | 3.08 | 227.094 | 144.475 | 0.58 |
| 1B | 100-109.500 | 17.495  | -44.093 |         | 4.62 | 4.62 | 3.08 | 3.08 | 227.094 | 227.176 | 0.19 |
| 1C | 100-109.500 | 4.585   | -83.967 |         | 4.62 | 4.62 | 3.08 | 3.08 | 127.163 | 144.475 | 0.58 |
| 1D | 100-109.500 | 4.585   | -44.093 |         | 4.62 | 4.62 | 3.08 | 3.08 | 127.163 | 227.176 | 0.19 |
| 1E | 100 -38.900 | 17.495  | -83.967 |         | 4.62 | 4.62 | 3.08 | 3.08 | 100.566 | 109.440 | 0.77 |
| 1F | 100 -38.900 | 17.495  | -44.093 |         | 4.62 | 4.62 | 3.08 | 3.08 | 100.566 | 124.751 | 0.35 |
| 1G | 100 -38.900 | 4.585   | -83.967 |         | 4.62 | 4.62 | 3.08 | 3.08 | 225.180 | 109.440 | 0.77 |
| 1H | 100 -38.900 | 4.585   | -44.093 |         | 4.62 | 4.62 | 3.08 | 3.08 | 225.180 | 124.751 | 0.35 |
| 1I | 100 -97.257 | 25.726  | -73.158 |         | 4.62 | 4.62 | 3.08 | 3.08 | 158.561 | 145.827 | 0.50 |
| 1J | 100 -97.257 | 25.726  | -54.902 |         | 4.62 | 4.62 | 3.08 | 3.08 | 158.561 | 173.053 | 0.32 |
| 1K | 100 -97.257 | -3.646  | -73.158 |         | 4.62 | 4.62 | 3.08 | 3.08 | 116.636 | 145.827 | 0.50 |
| 1L | 100 -97.257 | -3.646  | -54.902 |         | 4.62 | 4.62 | 3.08 | 3.08 | 116.636 | 173.053 | 0.32 |
| 1M | 100 -51.143 | 25.726  | -73.158 |         | 4.62 | 4.62 | 3.08 | 3.08 | 94.660  | 117.605 | 0.62 |
| 1N | 100 -51.143 | 25.726  | -54.902 |         | 4.62 | 4.62 | 3.08 | 3.08 | 94.660  | 126.809 | 0.43 |
| 1O | 100 -51.143 | -3.646  | -73.158 |         | 4.62 | 4.62 | 3.08 | 3.08 | 181.743 | 117.605 | 0.62 |
| 1P | 100 -51.143 | -3.646  | -54.902 |         | 4.62 | 4.62 | 3.08 | 3.08 | 181.743 | 126.809 | 0.43 |