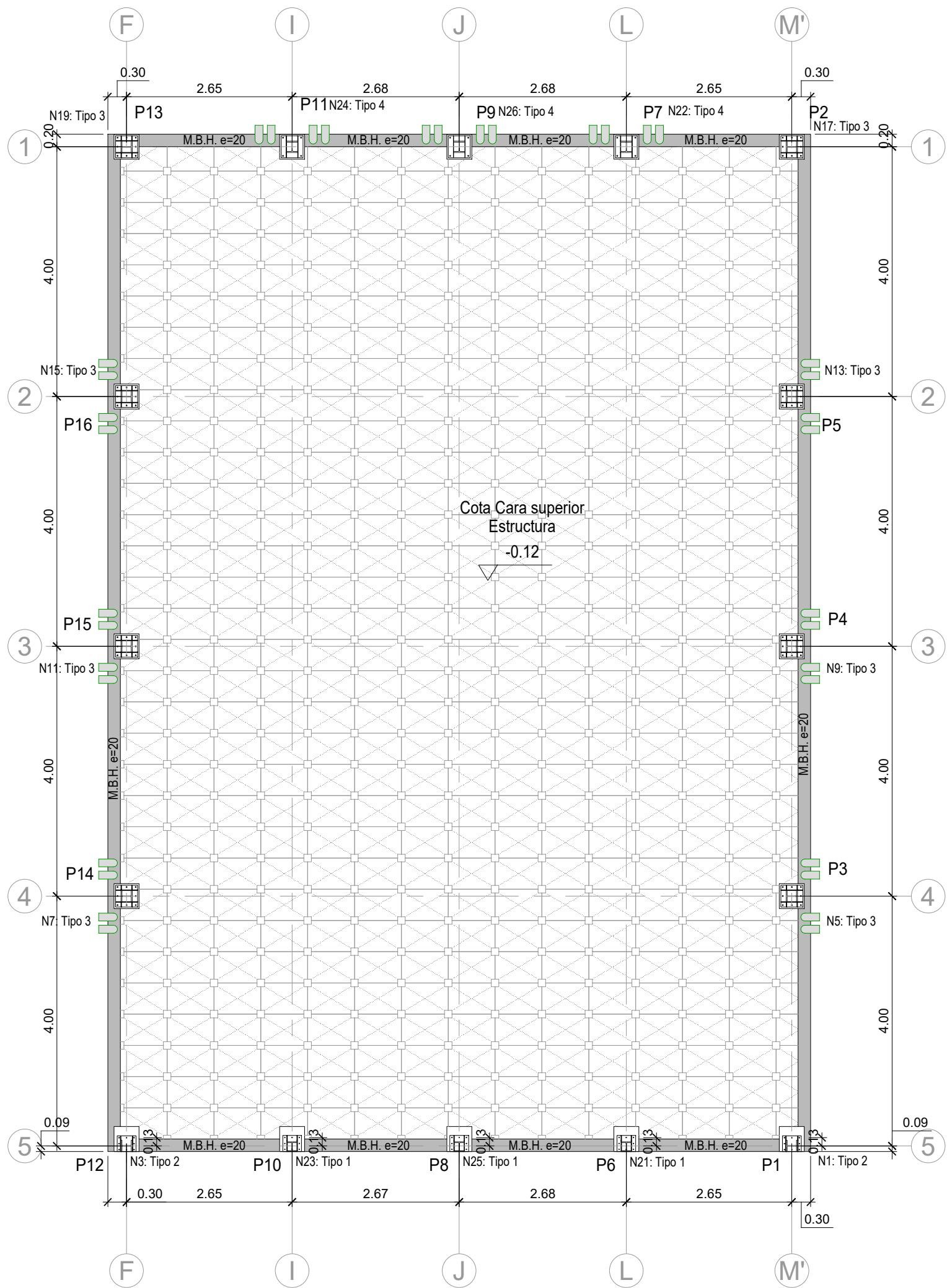
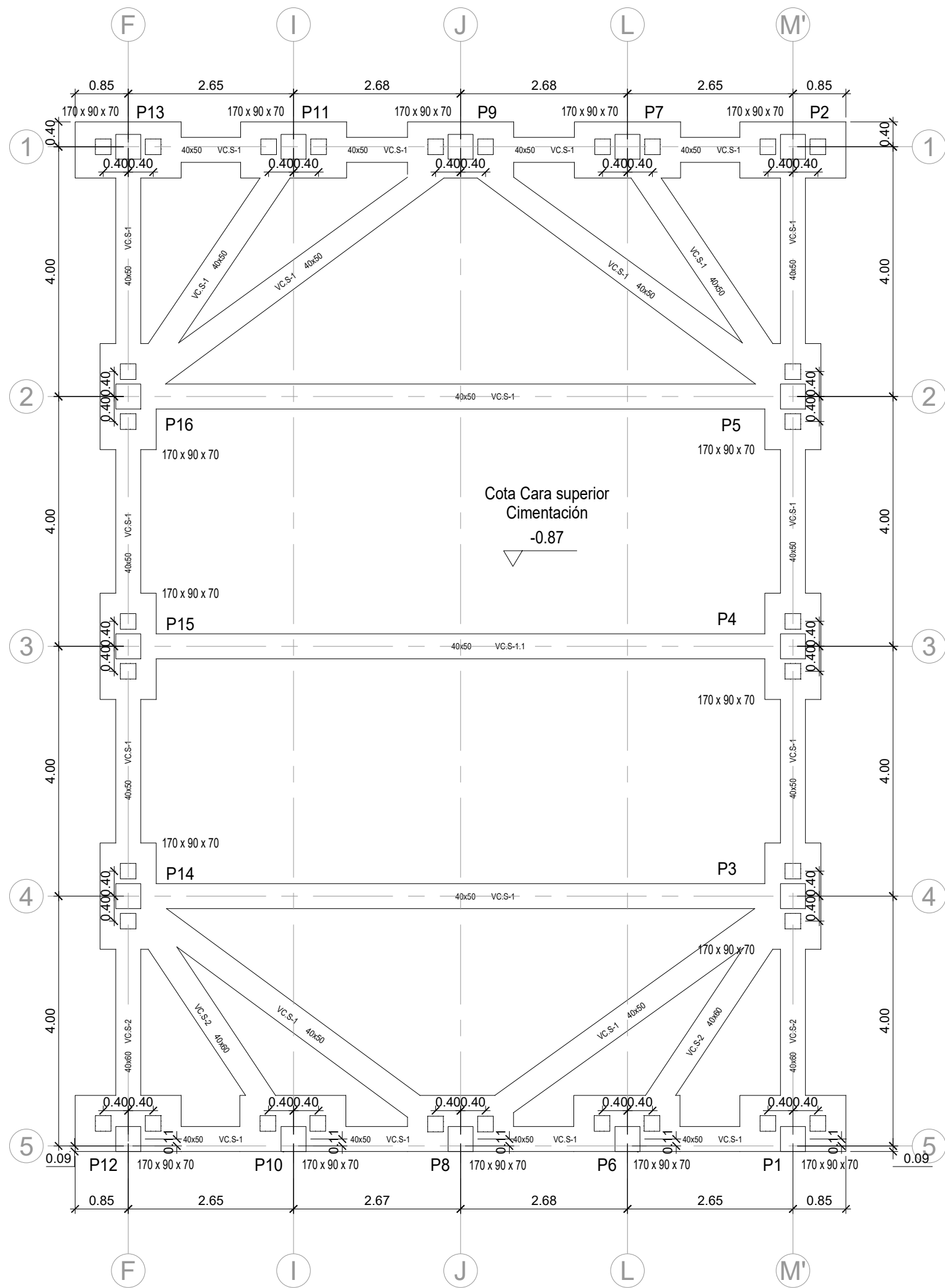




| Resumen Acero<br>Elemento y Viga | Long. total<br>(m) | Peso+10%<br>(kg) | Total |
|----------------------------------|--------------------|------------------|-------|
| B 500 S, Ys=1.15                 | Ø8                 | 621.5            | 270   |
|                                  | Ø10                | 745.3            | 505   |
|                                  | Ø12                | 1110.1           | 1084  |
|                                  | Ø16                | 1190.0           | 2066  |
|                                  | Ø20                | 174.2            | 472   |
|                                  |                    |                  | 4397  |

| Cuadro de arranques                                                          |                  |
|------------------------------------------------------------------------------|------------------|
| Referencias                                                                  | Armados Esquinas |
| P12, P10, P8, P6, P1, P3, P4,<br>P5, P2, P7, P9, P11, P13, P16,<br>P15 y P14 | 8Ø12             |

P1=P2=P3=P4=P5=P6=P7  
P8=P9=P10=P11=P12=P13  
P14=P15=P16

Ø12

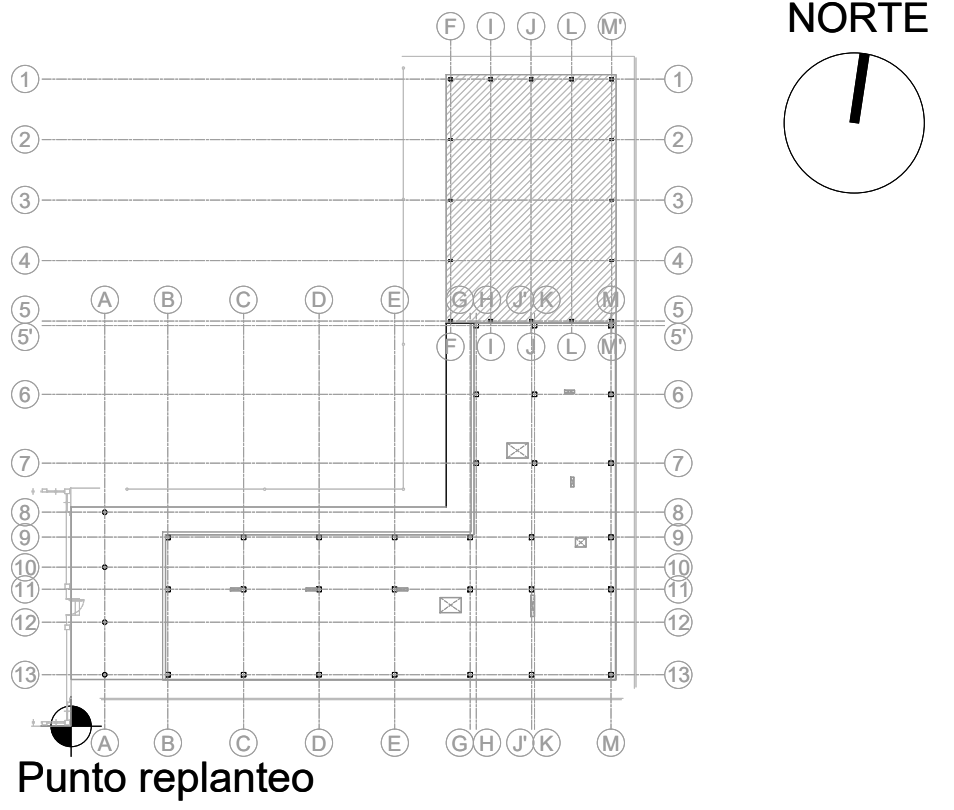
2Ø8(48) 1Ø8(143)

Arm. Long.: 8Ø12  
Arranque: 8Ø12  
Estribos: Ø8

| Intervalo<br>(cm) | Nº | Separación<br>(cm) |
|-------------------|----|--------------------|
| 0 a 62            | 10 | 6                  |
| Arranque          | 3  | -                  |

Fin Pilar-0.25

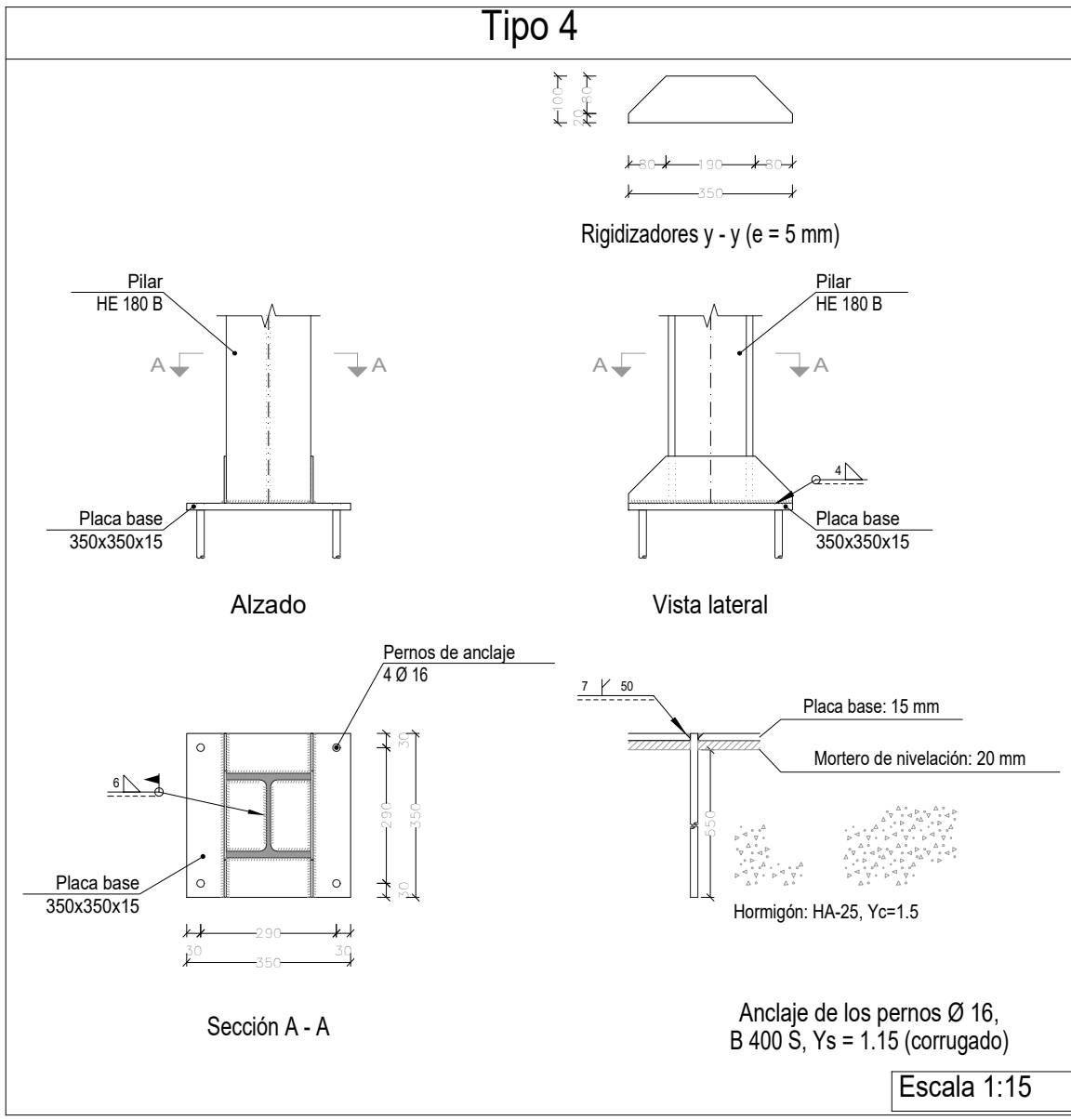
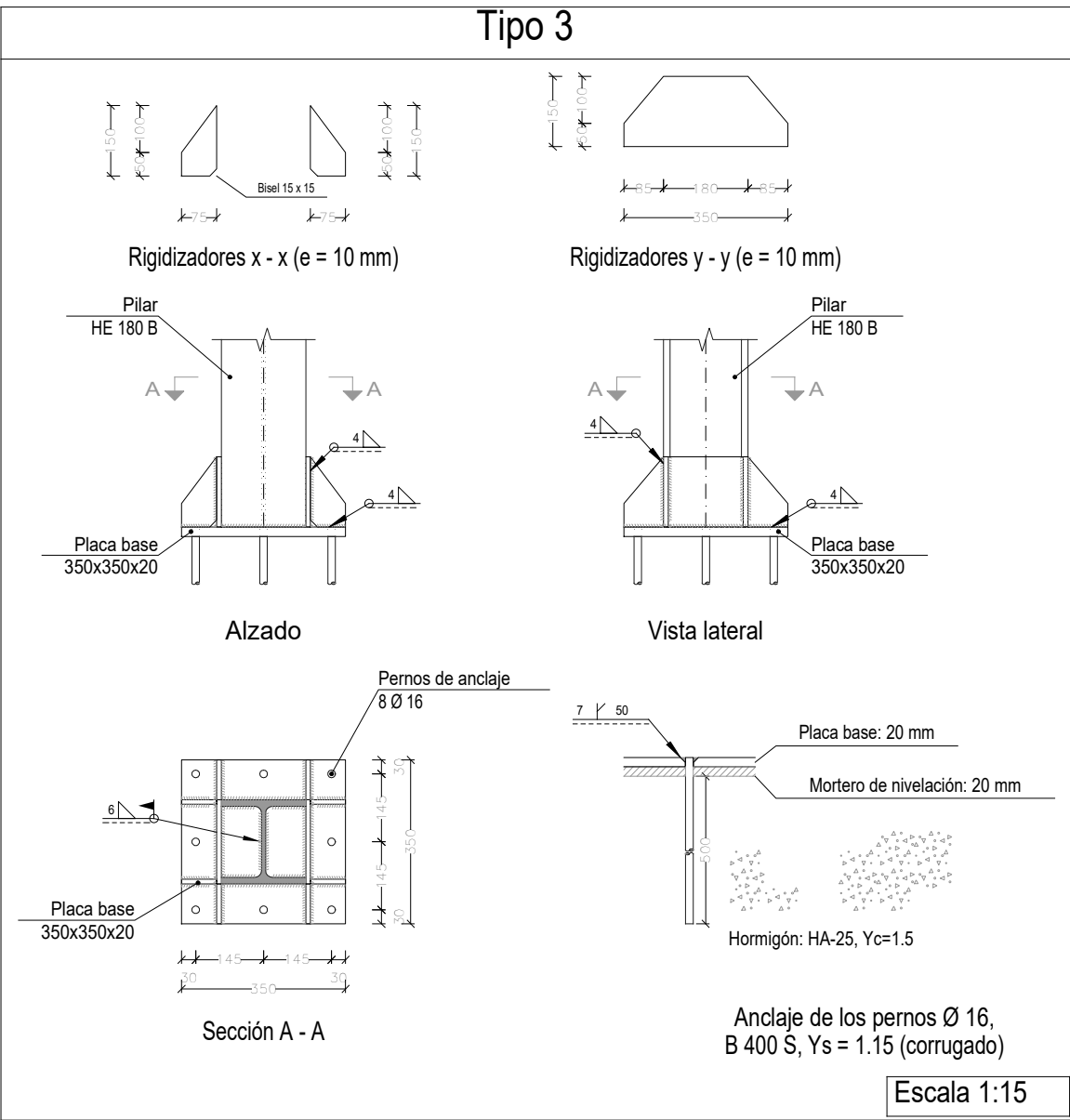
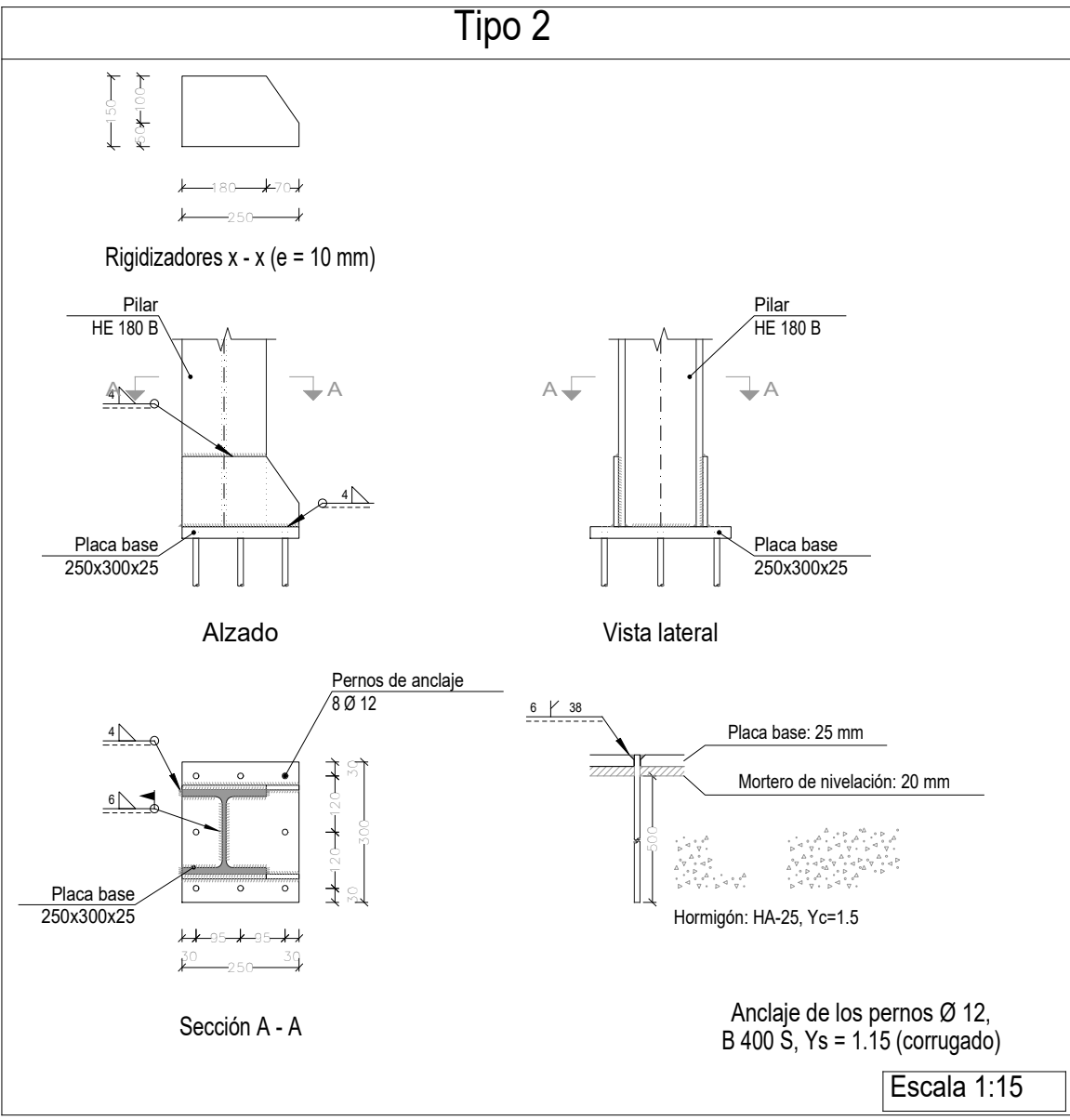
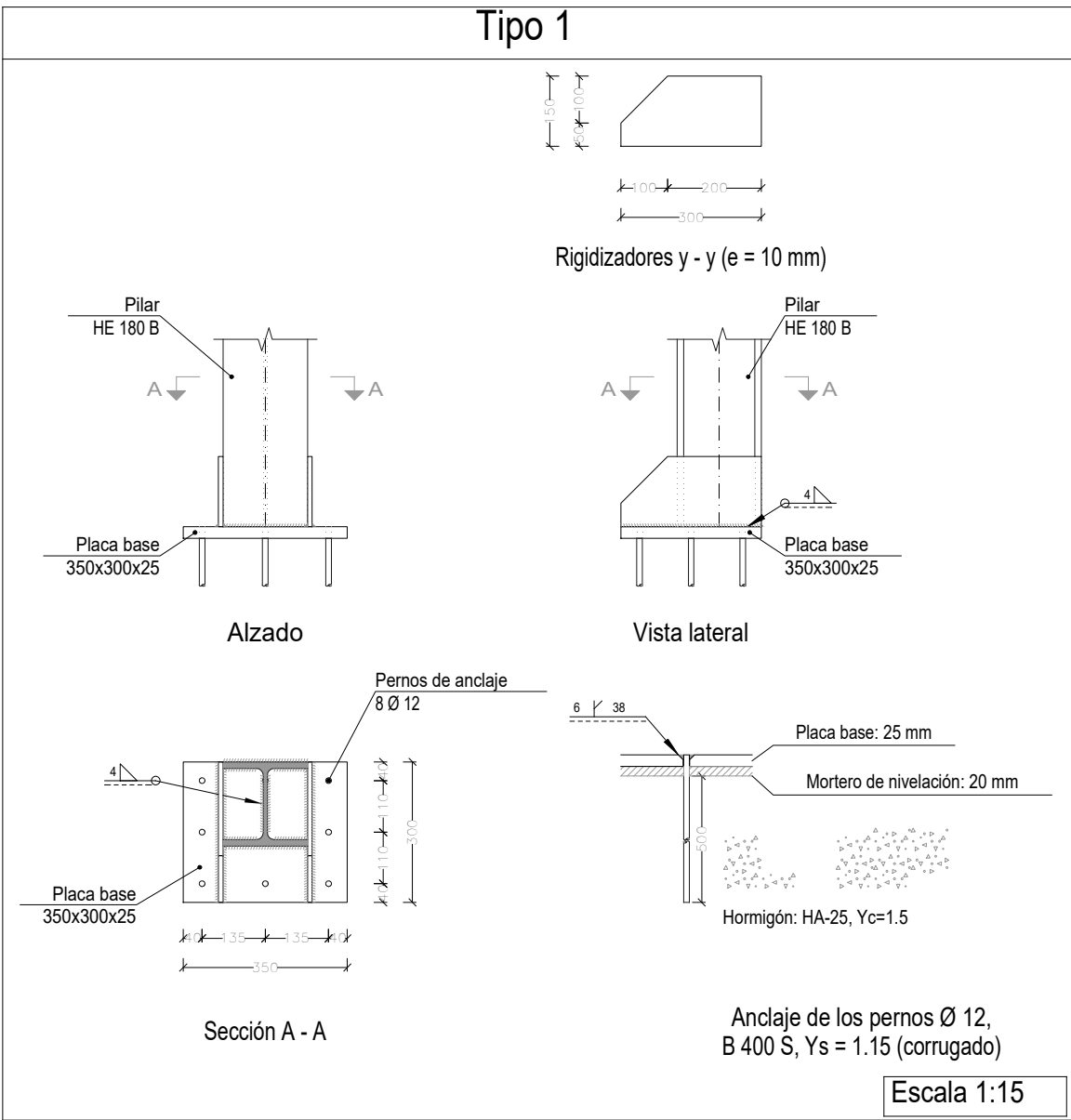
Cime -0.87



| *HA-25<br>(B=500sd) | SOLAPO (Ls)<br>(cm) |       | ANCLAJE (Lb)<br>(cm) |       |
|---------------------|---------------------|-------|----------------------|-------|
| Ø (mm)              | Ls I                | Ls II | Lb I                 | Lb II |
| 10                  | 70                  | 92    | 35                   | 46    |
| 12                  | 84                  | 110   | 42                   | 55    |
| 14                  | 98                  | 128   | 49                   | 64    |
| 16                  | 112                 | 146   | 56                   | 73    |
| 20                  | 160                 | 208   | 80                   | 104   |
| 25                  | 238                 | 312   | 119                  | 156   |
| 32                  | 372                 | 494   | 186                  | 247   |

Ventilación cámara forjado sanitario: 2Ø125  
separación máxima entre ventilaciones: 5.00ml.

| CUADRO DE VIGAS CENTRADORAS |                                                                                           |  |
|-----------------------------|-------------------------------------------------------------------------------------------|--|
|                             | VC-S-2<br>Arm. sup.: 4Ø20<br>Arm. inf.: 4Ø20<br>Arm. piel: 1x2Ø12<br>Estribos: 1xØ8c/30   |  |
|                             | VC-S-1.1<br>Arm. sup.: 4Ø16<br>Arm. inf.: 4Ø16<br>Arm. piel: 1x2Ø12<br>Estribos: 1xØ8c/20 |  |



NOTA:  
Ver Red de Saneamiento y Red de Toma de Tierra en planos de instalaciones correspondientes.

EN LOS HORMIGONES ARMADOS DE AMBIENTE XS1 SE DEBE EMPLEAR CEMENTOS TIPO CEM III/A, CEM III/B, CEM IV, CEM II/B-S, B-P, B-V, A-D U HORMIGÓN CON ADICIÓN DE MICRO SÍLICE SUPERIOR AL 6% O DE CENIZAS VOLANTES SUPERIOR AL 20 %.

| MATERIAL               | LOCALIZACION           | DESIGNACION   | NIVEL DE CONTROL | COEFICIENTE PONDERACION                      |
|------------------------|------------------------|---------------|------------------|----------------------------------------------|
| HORMIGON               | LOSA Y VIGAS           | HA-30/F12/XC3 | ESTADISTICO      | Yc=1.50                                      |
| PILARES                | HA-30/F12/XC3          |               |                  |                                              |
| CIMENTACION Y MUROS    | HA-25/B/20/XC2         |               |                  |                                              |
| ACERO PASIVO           | ARMADURAS              | B-500 S       | NORMAL           | Ys=1.15                                      |
| MALLAS ELECTROSOLDADAS | B-500 SD               |               |                  |                                              |
| ACERO ESTRUCTURAL      | TODA LA OBRA           | S-275 JR      | NORMAL           | Ys=1.05                                      |
| EJECUCION              | ESTRUCTURA DE HORMIGON |               | NORMAL           | PESO PROPIO Yf=1.35<br>RESTO Yf=1.50         |
|                        | ESTRUCTURA DE ACERO    |               |                  | C.PERMANENTES Yf=1.35<br>SOBRECARGAS Yf=1.50 |