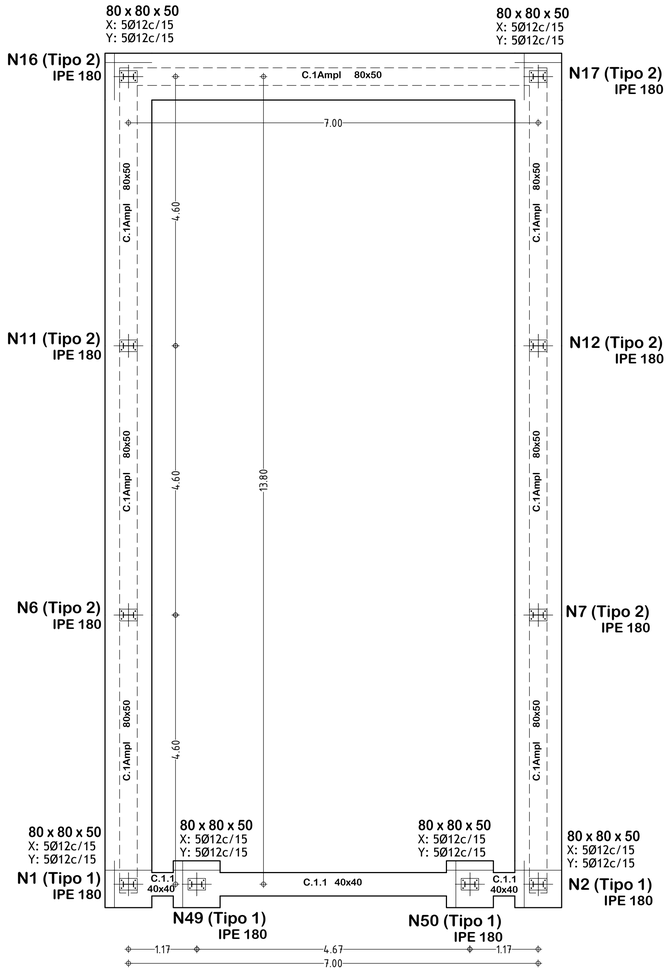
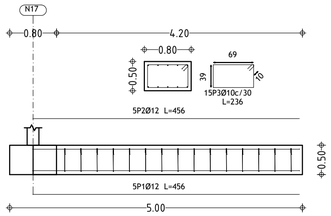
## CIMENTACIÓN
E:1/50

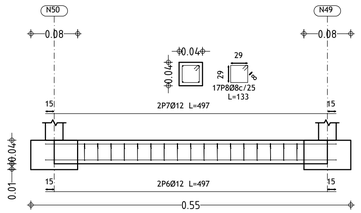



## VIGAS
E:1/100

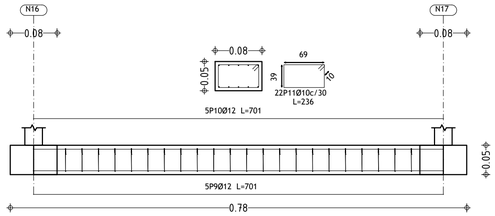
C [N17-(7.00, 4.20)], C [(7.00, 4.20)-(7.00, -0.40)],
C [(7.00, -0.40)-N2], C [N16-(0.00, 4.20)],
C [(0.00, 4.20)-(0.00, -0.40)] y C [(0.00, -0.40)-N1]




C [N50-N49]

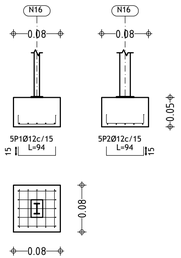



C [N16-N17]

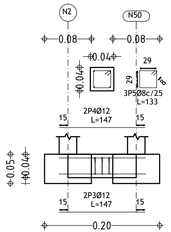



## ZAPATAS
E:1/100

N16, N17, N2, N50, N49 y N1

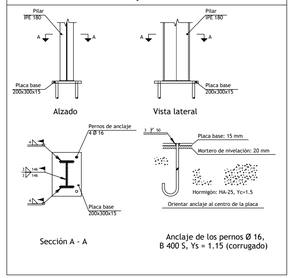



C [N2-N50] y C [N49-N1]

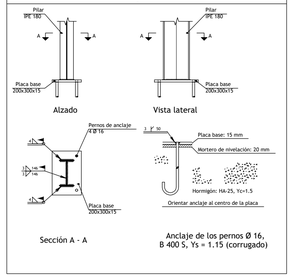



## ANCLAJES
E:1/20

### Tipo 1




### Tipo 2




## CARACTERISTICAS

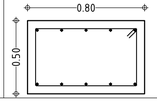
| Elemento | Pos. | Diám. | No. | Long. (cm) | Total (cm) | B 500 S, Ys=1.15 (kg) |
|---|---|---|---|---|---|---|
| C [N17-(7.00, 4.20)] | 1 | Ø12 | 5 | 456 | 2280 | 20.2 |
| C [(7.00, 4.20)-(7.00, -0.40)] | 2 | Ø12 | 5 | 456 | 2280 | 20.2 |
| C [(7.00, -0.40)-N2] | 3 | Ø10 | 15 | 236 | 3540 | 21.8 |
| C [N16-(0.00, 4.20)] | | | | | | |
| C [(0.00, 4.20)-(0.00, -0.40)] | | | | Total+10%: | (x6): | 68.4<br>410.4 |
| C [(0.00, -0.40)-N1] | | | | | | |
| | | | | | Ø10: | 144.0 |
| | | | | | Ø12: | 266.4 |
| | | | | | Total: | 410.4 |

| Resumen Acero<br>Elemento, Viga y Placa de anclaje | | Long. total (m) | Peso+10% (kg) | Total |
|---|---|---|---|---|
| B 500 S, Ys=1.15 | Ø8 | 30.6 | 13 | |
| | Ø10 | 264.3 | 179 | |
| | Ø12 | 431.7 | 422 | 614 |

| Elemento | Pos. | Diám. | No. | Long. (cm) | Total (cm) | B 500 S, Ys=1.15 (kg) |
|---|---|---|---|---|---|---|
| N16=N17=N2=N50=N49=N1 | 1 | Ø12 | 5 | 94 | 470 | 4.2 |
| | 2 | Ø12 | 5 | 94 | 470 | 4.2 |
| | | | | | Total+10%: | 9.2 |
| | | | | | (x6): | 55.2 |
| C [N2-N50]=C [N49-N1] | 3 | Ø12 | 2 | 147 | 294 | 2.6 |
| | 4 | Ø12 | 2 | 147 | 294 | 2.6 |
| | 5 | Ø8 | 3 | 133 | 399 | 1.6 |
| | | | | | Total+10%: | 7.5 |
| | | | | | (x2): | 15.0 |
| C [N50-N49] | 6 | Ø12 | 2 | 497 | 994 | 8.8 |
| | 7 | Ø12 | 2 | 497 | 994 | 8.8 |
| | 8 | Ø8 | 17 | 133 | 2261 | 8.9 |
| | | | | | Total+10%: | 29.2 |
| C [N16-N17] | 9 | Ø12 | 5 | 701 | 3505 | 31.1 |
| | 10 | Ø12 | 5 | 701 | 3505 | 31.1 |
| | 11 | Ø10 | 22 | 236 | 5192 | 32.0 |
| | | | | | Total+10%: | 103.6 |
| | | | | | Ø8: | 13.4 |
| | | | | | Ø10: | 35.2 |
| | | | | | Ø12: | 154.4 |
| | | | | | Total: | 203.0 |

### CUADRO DE VIGAS DE ATADO

C.1.1
Arm. sup.: 2Ø12
Arm. inf.: 2Ø12
Estribos: 1xØ8c/25




C.1Ampl
Arm. sup.: 5Ø12
Arm. inf.: 5Ø12
Estribos: 1xØ10c/30

| Cuadro de arranques | | |
|---|---|---|
| Referencias | Pernos de Placas de Anclaje | Dimensión de Placas de Anclaje |
| N16, N17, N2, N50, N49 y N1 | 4 Pernos Ø 16 | Placa base (200x300x15) |

| CUADRO DE ELEMENTOS DE CIMENTACIÓN | | | | |
|---|---|---|---|---|
| Referencias | Dimensiones (cm) | Canto (cm) | Armado inf. X | Armado inf. Y |
| N1, N2, N16, N17, N49 y N50 | 80x80 | 50 | 5Ø12c/15 | 5Ø12c/15 |

INSTITUTO TECNOLÓGICO AGRARIO
Junta de Castilla y León
Consejería de Agricultura, Ganadería y Desarrollo Rural

**PROYECTO DE MODERNIZACIÓN DE REGADÍO EN LAS COMUNIDADES DE REGANTES DEL CANAL DE INES Y DEL CANAL DE EZA. FASE I (SORIA)**

Título Plano:
**NAVE DE VÁLVULAS CIMENTACIÓN**

Plano nº:
**NV-2**

Vº Bº:
MIGUEL ANGEL GARCIA TURIENZO
SUBDIRECTOR DE INFRAESTRUCTURAS AGRARIAS

Autor:
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Ingeniero Agrónomo, Jefe de la UT Soria.

Escala: Var.

Fecha: ENERO 2024