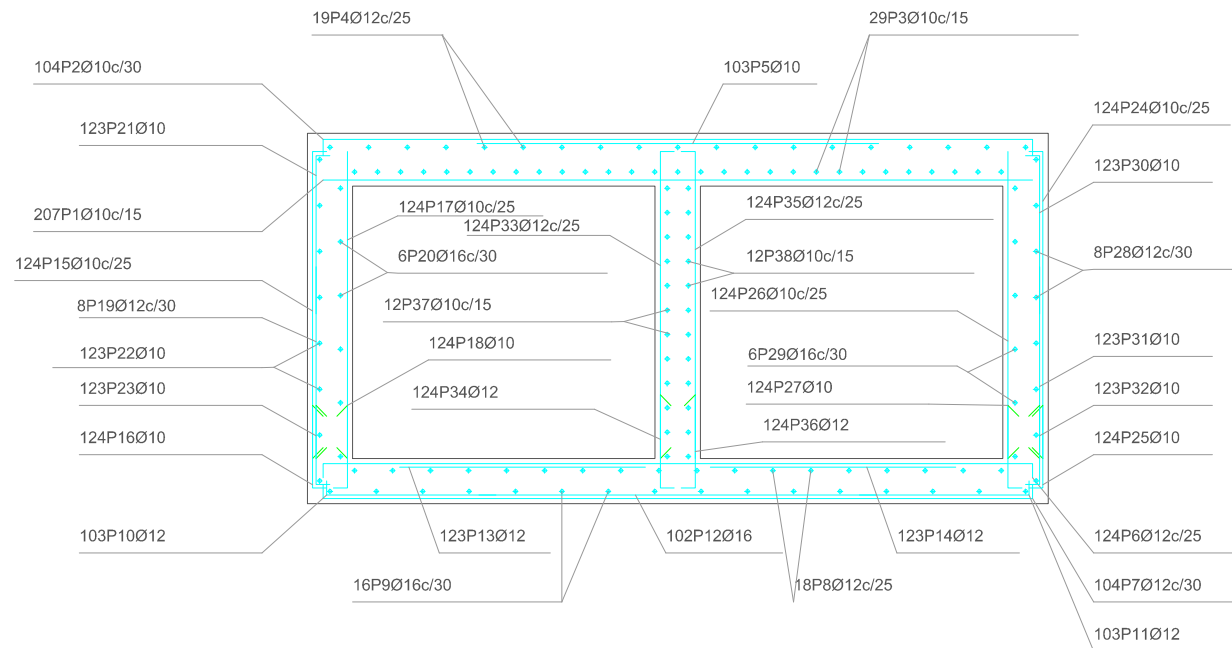


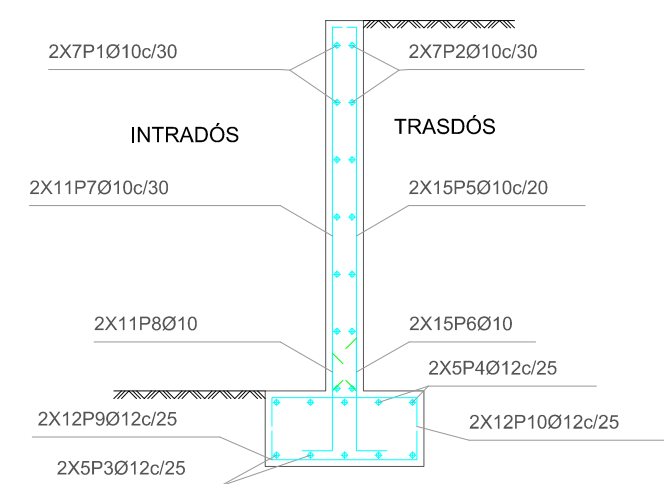
Marco bicelular

E: 1/50



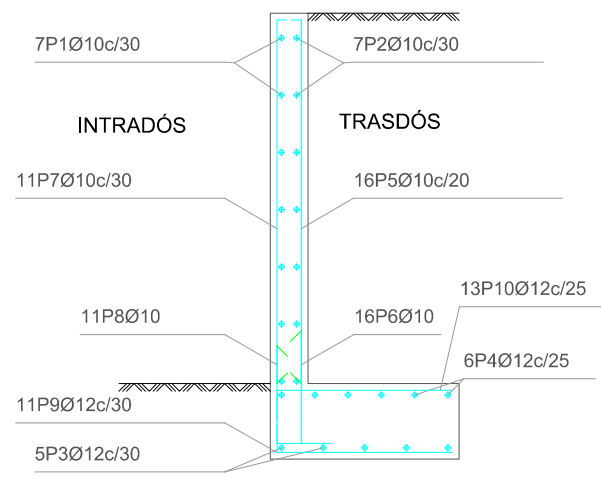
Aleta inicial izquierda y derecha

E: 1/50



Aleta final izquierda y derecha

E: 1/50

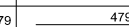


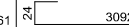


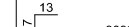
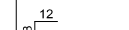
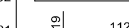
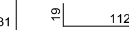
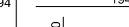
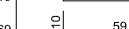
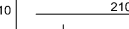
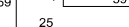
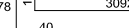

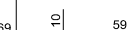
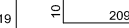
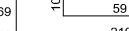
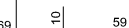
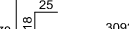
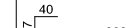

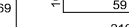
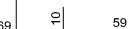
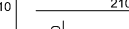
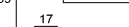
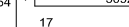








Despiece

| Aleta inicial izquierda y Aleta inicial derecha | | | | | | | | | |
|-------------------------------------------------|------|-------------|-------------|------------|--------------------------------|-----------|---------|--------|--|
| POSICIÓN | Ø mm | NÚM. PIEZAS | LONGITUD m | FORMA L=cm | LONGITUD TOTAL m | PESO kg/m | PESO kg | | |
| 1 | 10 | 14 (2x7) | 0,87 - 3,06 | 56 - 275 | 16 | 29,61 | 0,62 | 18,26 | |
| 2 | 10 | 14 (2x7) | 0,89 - 3,06 | 58 - 275 | 16 | 29,79 | 0,62 | 18,37 | |
| 3 | 12 | 10 (2x5) | 2,99 | 275 | 12 | 29,88 | 0,89 | 26,53 | |
| 4 | 12 | 10 (2x5) | 2,99 | 275 | 12 | 29,88 | 0,89 | 26,53 | |
| 5 | 10 | 30 (2x15) | 0,62 - 2,24 | 49 - 212 | 13 | 45,70 | 0,62 | 28,17 | |
| 6 | 10 | 30 (2x15) | 0,99 | 79 | 20 | 29,58 | 0,62 | 18,24 | |
| 7 | 10 | 22 (2x11) | 0,62 - 2,24 | 49 - 212 | 13 | 33,44 | 0,62 | 20,61 | |
| 8 | 10 | 22 (2x11) | 0,89 | 69 | 20 | 19,49 | 0,62 | 12,02 | |
| 9 | 12 | 24 (2x12) | 1,27 | 97 | 15 | 30,43 | 0,89 | 27,02 | |
| 10 | 12 | 24 (2x12) | 1,27 | 97 | 15 | 30,43 | 0,89 | 27,02 | |
| | | | | | Ø10 | 187,61 | 0,62 | 115,67 | |
| | | | | | Ø12 | 120,62 | 0,89 | 107,10 | |
| B 500 S, Ys=1,15 | | | | | Peso total | | 222,77 | | |
| | | | | | Peso total con mermas (10,00%) | | 245,05 | | |

| Aleta final izquierda | | | | | | | | | |
|-----------------------|------|-------------|-------------|------------|--------------------------------|-----------|---------|-------|--|
| POSICIÓN | Ø mm | NÚM. PIEZAS | LONGITUD m | FORMA L=cm | LONGITUD TOTAL m | PESO kg/m | PESO kg | | |
| 1 | 10 | 7 | 3,22 - 3,23 | 291 - 292 | 16 | 22,60 | 0,62 | 13,93 | |
| 2 | 10 | 7 | 3,23 | 292 | 16 | 22,61 | 0,62 | 13,94 | |
| 3 | 12 | 5 | 3,16 | 292 | 12 | 15,79 | 0,89 | 14,02 | |
| 4 | 12 | 6 | 3,16 | 292 | 12 | 18,95 | 0,89 | 16,82 | |
| 5 | 10 | 16 | 2,09 - 2,24 | 197 - 212 | 13 | 34,80 | 0,62 | 21,45 | |
| 6 | 10 | 16 | 0,99 | 79 | 20 | 15,78 | 0,62 | 9,73 | |
| 7 | 10 | 11 | 2,09 - 2,24 | 197 - 212 | 13 | 23,92 | 0,62 | 14,75 | |
| 8 | 10 | 11 | 0,89 | 69 | 20 | 9,75 | 0,62 | 6,01 | |
| 9 | 12 | 11 | 1,37 | 117 | 15 | 15,11 | 0,89 | 13,42 | |
| 10 | 12 | 13 | 1,32 | 117 | 15 | 17,21 | 0,89 | 15,28 | |
| | | | | | Ø10 | 129,46 | 0,62 | 79,81 | |
| | | | | | Ø12 | 67,06 | 0,89 | 59,54 | |
| B 500 S, Ys=1,15 | | | | | Peso total | | 139,35 | | |
| | | | | | Peso total con mermas (10,00%) | | 153,29 | | |

Módulo

| POSICIÓN | Ø mm | NÚM. PIEZAS | LONGITUD m | FORMA L=cm | LONGITUD TOTAL m | PESO kg/m | PESO kg Nº | |
|------------------|------|-------------|------------|---------------------------------------------------------------------------------------|------------------|--------------------------------|---------------|---------|
| 1 | 10 | 207 | 4,79 |  | 990,70 | 0,62 | 610,81 | |
| 2 | 10 | 104 | 5,17 |  | 537,41 | 0,62 | 331,34 | |
| 3 | 10 | 29 | 31,58 |  | 915,70 | 0,62 | 564,57 | |
| 4 | 12 | 19 | 31,61 |  | 600,67 | 0,89 | 533,29 | |
| 5 | 10 | 103 | 2,66 |  | 273,58 | 0,62 | 168,67 | |
| 6 | 12 | 104 | 5,10 |  | 530,82 | 0,89 | 471,28 | |
| 7 | 12 | 104 | 5,14 |  | 534,98 | 0,89 | 474,97 | |
| 8 | 12 | 15 | 31,52 |  | 472,77 | 0,89 | 419,74 | |
| 9 | 12 | 19 | 31,52 |  | 598,84 | 0,89 | 531,67 | |
| 10 | 12 | 103 | 1,31 |  | 134,53 | 0,89 | 119,44 | |
| 11 | 12 | 103 | 1,31 |  | 134,53 | 0,89 | 119,44 | |
| 12 | 12 | 103 | 1,94 |  | 200,04 | 0,89 | 177,60 | |
| 13 | 10 | 124 | 2,19 |  | 271,93 | 0,62 | 167,66 | |
| 14 | 10 | 124 | 0,69 |  | 85,06 | 0,62 | 52,45 | |
| 15 | 10 | 124 | 2,10 |  | 260,15 | 0,62 | 160,39 | |
| 16 | 10 | 124 | 0,69 |  | 85,06 | 0,62 | 52,45 | |
| 17 | 12 | 8 | 31,78 |  | 254,22 | 0,89 | 225,71 | |
| 18 | 16 | 6 | 32,05 |  | 192,32 | 1,58 | 303,55 | |
| 19 | 10 | 123 | 1,05 |  | 129,26 | 0,62 | 79,69 | |
| 20 | 10 | 123 | 0,69 |  | 84,38 | 0,62 | 52,02 | |
| 21 | 10 | 124 | 2,19 |  | 271,93 | 0,62 | 167,66 | |
| 22 | 10 | 124 | 0,69 |  | 85,06 | 0,62 | 52,45 | |
| 23 | 10 | 124 | 2,10 |  | 260,15 | 0,62 | 160,39 | |
| 24 | 10 | 124 | 0,69 |  | 85,06 | 0,62 | 52,45 | |
| 25 | 12 | 8 | 31,78 |  | 254,22 | 0,89 | 225,71 | |
| 26 | 16 | 6 | 32,05 |  | 192,32 | 1,58 | 303,55 | |
| 27 | 10 | 123 | 1,05 |  | 129,26 | 0,62 | 79,69 | |
| 28 | 10 | 123 | 0,69 |  | 84,38 | 0,62 | 52,02 | |
| 29 | 10 | 124 | 2,10 |  | 260,15 | 0,62 | 160,39 | |
| 30 | 10 | 124 | 0,69 |  | 85,06 | 0,62 | 52,45 | |
| 31 | 10 | 124 | 2,10 |  | 260,15 | 0,62 | 160,39 | |
| 32 | 10 | 124 | 0,69 |  | 85,06 | 0,62 | 52,45 | |
| 33 | 10 | 12 | 31,64 |  | 379,68 | 0,62 | 234,09 | |
| 34 | 10 | 12 | 31,64 |  | 379,68 | 0,62 | 234,09 | |
| | | | | | Ø10 | 5998,85 | 0,62 | 3698,57 |
| | | | | | Ø12 | 3715,62 | 0,89 | 3298,85 |
| | | | | | Ø16 | 384,64 | 1,58 | 607,10 |
| B 500 S, Ys=1,15 | | | | | | Peso total | 7604,52 | |
| | | | | | | Peso total con mermas (10,00%) | 8364,97 | |

| CUADRO DE CARACTERÍSTICAS SEGUN EHE-08 / IAP 11 | | | | | |
|-------------------------------------------------|------------------------|-----------------|-----------------|-----------------------------|--|
| MATERIAL | LOCALIZACIÓN | DESIGNACIÓN | NÚM. DE CONTROL | COEFICIENTE DE CONSERVACIÓN | |
| HORMIGÓN | VIGAS PREFABRICADAS | HA-25/Ø12/17/16 | ESTRIBO | Ys=1,15 | |
| | RESTO DE OBRA | HA-25/Ø12/16 | ESTRIBO | Ys=1,15 | |
| ACERO PASIVO | ARMADURAS | B-500 S | NORMAL | Ys=1,15 | |
| ACERO ACTIVO | VIGAS PREFABRICADAS | Y 1880 S7 | NORMAL | Ys=1,15 | |
| EJECUCIÓN | ESTRUCTURA DE HORMIGÓN | - | INTENSO | S/NORMA | |

NOTAS GENERALES:

- EL HORMIGÓN DEBERÁ CUMPLIR CON LOS REQUISITOS DE LIMITACIÓN DEL CONTENIDO DE AGUA Y CEMENTO INDICADOS EN LA TABLA 37.3.2.a DE LA EHE-08.
- TABLA DE LONGITUDES DE SOLAPO Y ANCLAJE PARA ARMADURAS PASIVAS:

| *HA-25 (B-500SD) | SOLAPO (La) (cm) | | ANCLAJE (Lb) (cm) | |
|------------------|------------------|-------|-------------------|-------|
| Ø (mm) | La I | La 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 | 484 | 188 | 247 |

(*) EN EL CALCULO DE LAS LONGITUDES DE ANCLAJE Y SOLAPE SE HA TENIDO EN CUENTA QUE SE TRATE DE ZONA SISMICA, AUMENTANDO EN 10% LA LONGITUD DE ANCLAJE SEGUN EL ART. 69.5 DE LA EHE-08.

LOS SUBINDICES I Y II EN LAS LONGITUDES DE SOLAPO Y ANCLAJE DE LAS TABLAS SE REFEREN A LA POSICIÓN DE LA BARRA A ANCLAR O SOLAPAR, RESPECTO A LA DIRECCIÓN DEL HORMIGONADO, SEGUN EL ARTICULO 69.5 DE LA EHE-08.

- RECUBRIMIENTOS NOMINALES (r nom.)



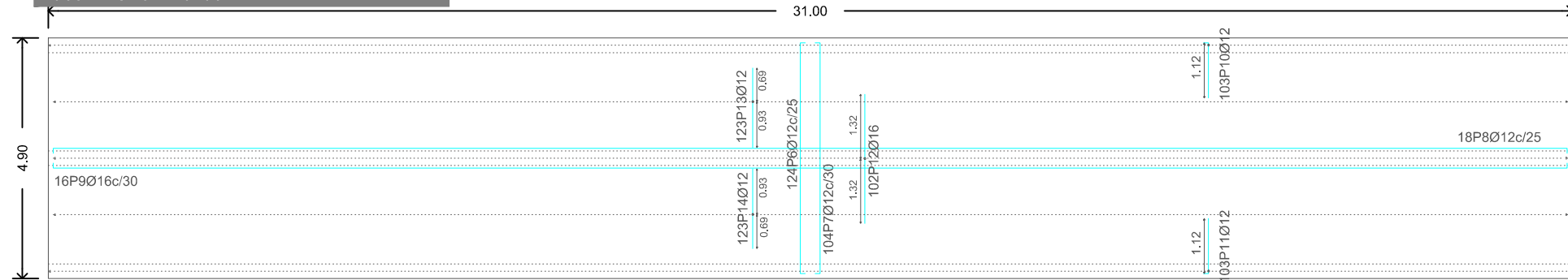
VIGAS PREFABRICADAS..... r nom. = 3.0 cm.
RESTO DE OBRA..... r nom. = 4.0 cm.

DONDE:

- SE HA CONSIDERADO UNA VIDA UTIL DE 100 AÑOS SEGUN TABLA 5 DE LA EHE-08,
- Y UN TIPO DE CEMENTO ACORDE CON EL RECUBRIMIENTO CONSIDERADO SEGUN LAS TABLAS 37.2.4.1.a Y 37.2.4.1.b DE LA EHE-08

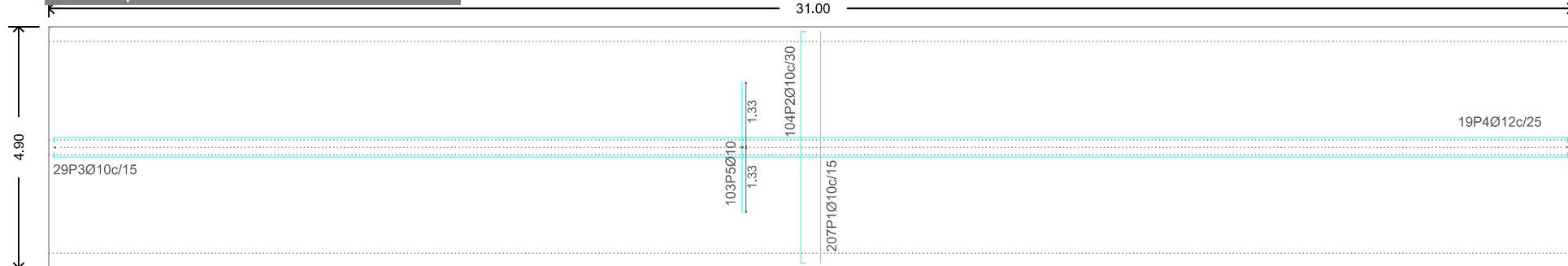
Losa inferior marco

E: 1/125



Losa superior marco

E: 1/125



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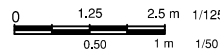


ESCUELA TÉCNICA SUPERIOR
DE INGENIEROS DE CAMINOS,
CANALES Y PUERTOS

AUTOR DEL PROYECTO

MIGUEL ANGEL ROSELL ESTEVE

ESCALA



TÍTULO DEL PROYECTO

VARIANTE DE LA CARRETERA CV-575 ENTRE LAS
CARRETERAS CV-573 Y CV-600. TÉRMINO MUNICIPAL DE
LLOC NOU D'EN FENOLLET (VALENCIA)

Nº DE PLANO:

9

Nº DE HOJA:

2 de 2

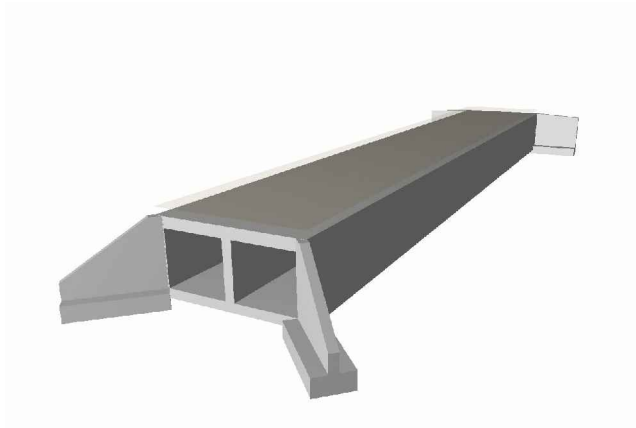
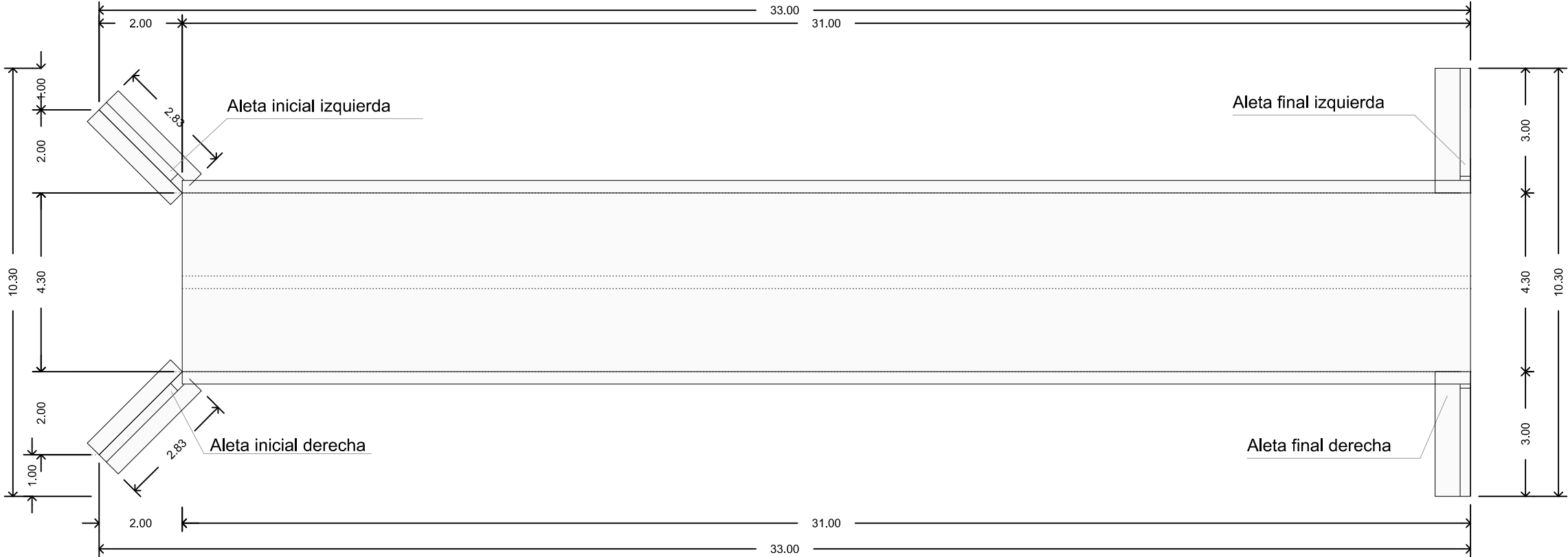
DOCUMENTO:

TÍTULO DEL PLANO:

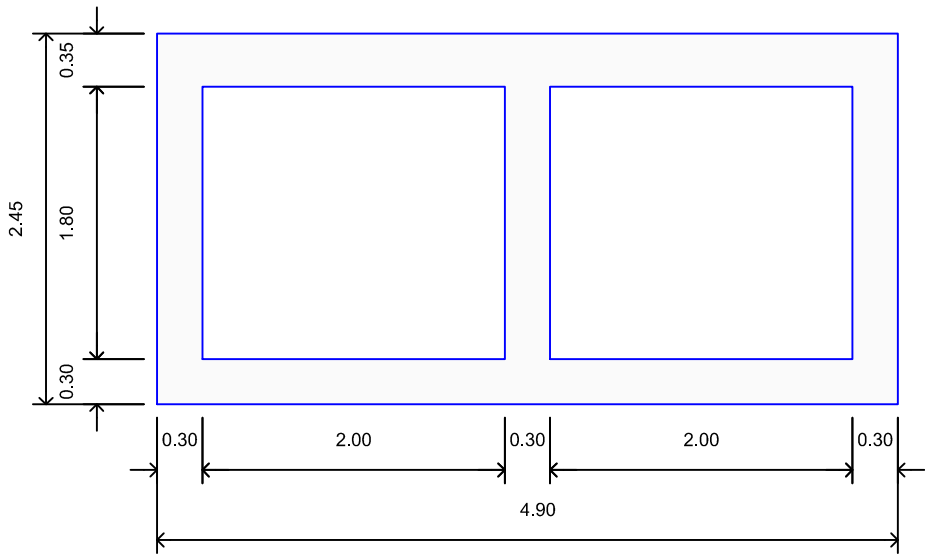
ESTRUCTURAS
Marco 2x2x1.8. Armadura

FECHA:

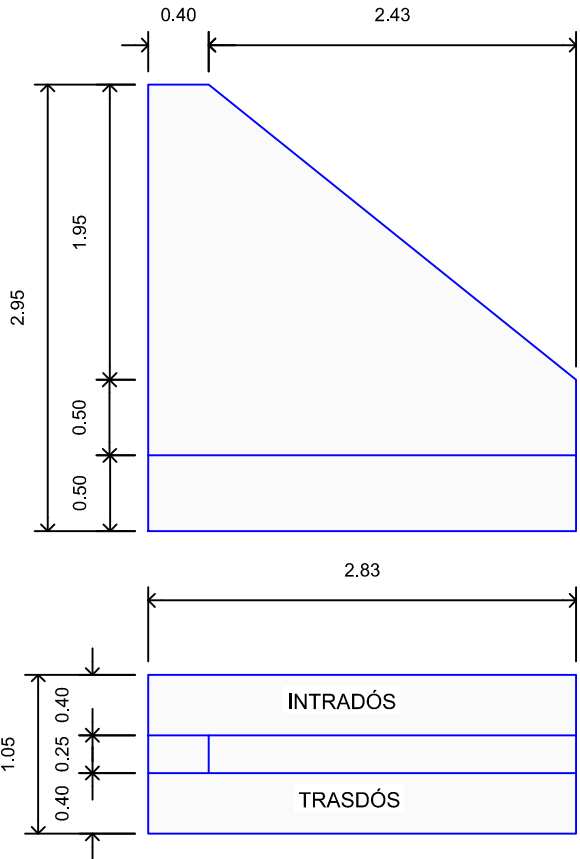
SEPTIEMBRE 2014



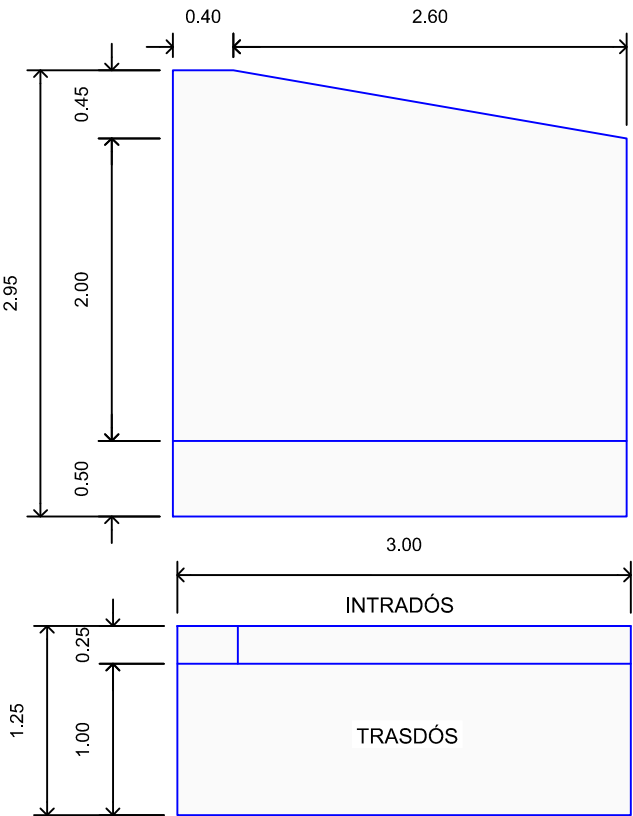
SECCION TRANSVERSAL E: 1/50



Aleta inicial izquierda y derecha E: 1/50



Aleta final derecha E: 1/50



Aleta final izquierda E: 1/50

