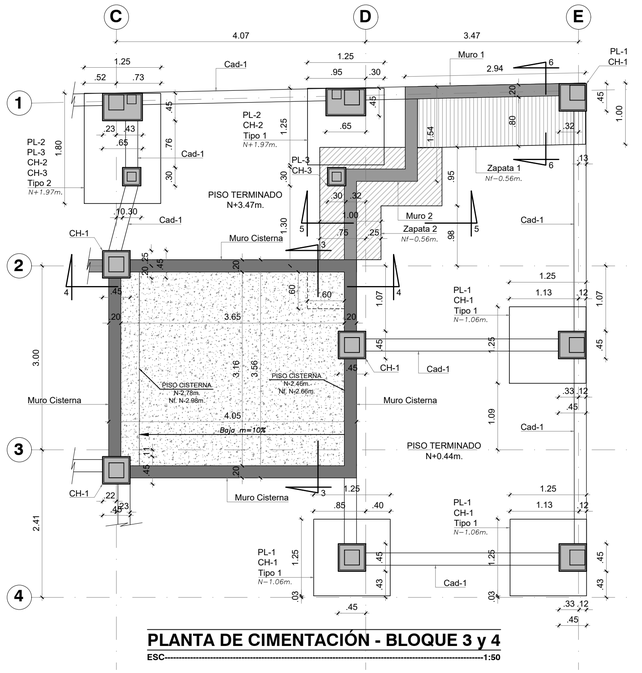
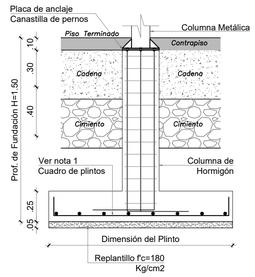



## PLANTA DE CIMENTACIÓN - BLOQUE 3 y 4

ESC----------1:50

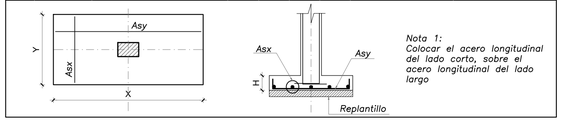


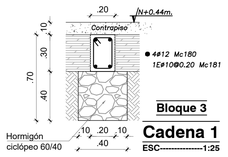

## DETALLE PLINTO TIPO

ESC----------1:25

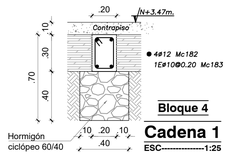
## CUADRO DE ARMADO DE PLINTOS

| TIPO | NIVEL FUNDACIÓN | UBICACIÓN | X | Y | H | CANT. | Asx | Asy |
|---|---|---|---|---|---|---|---|---|
| 1 | N−1.06m | BLOQUE 3 | 1.25 | 1.25 | 0.25 | 3 | 8ø12@0.15 Mc150 | 8ø12@0.15 Mc150 |
| | N+1.97m | BLOQUE 4 | 1.25 | 1.25 | 0.25 | 1 | 8ø12@0.15 Mc150 | 8ø12@0.15 Mc150 |
| 2 | N+1.97m | BLOQUE 4 | 1.25 | 1.80 | 0.30 | 1 | 8ø12@0.15 Mc151 | 12ø12@0.15 Mc150 |

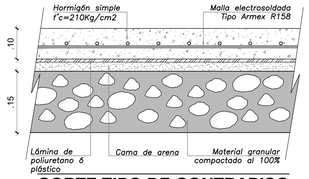



ESC----------1:25

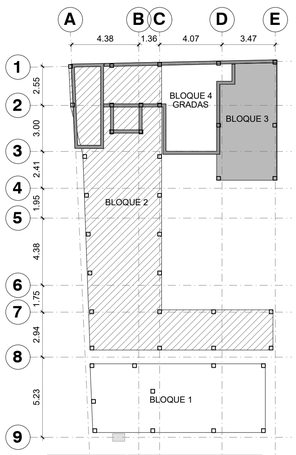



ESC----------1:25




## CORTE TIPO DE CONTRAPISO

ESC----------s/e



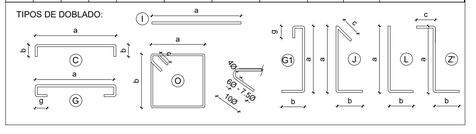

## UBICACIÓN DE BLOQUES

ESC----------1:100

## PLANILLA DE ACERO

| Mc | ø | TIPO | Nº | DIMENSIONES a | b | c | g | LONGITUD DESARR. | LONGITUD TOTAL | Observaciones |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | PLINTOS | | | | | |
| 150 | 12 | C | 76 | 1,15 | 2 x 0,20 | | | 1,55 | 117,80 | |
| 151 | 12 | C | 8 | 1,70 | 2 x 0,20 | | | 2,10 | 16,80 | |
| | | | | | COLUMNETAS | | | | | |
| 152 | 16 | L | 4 | 4,80 | 0,60 | | | 5,40 | 21,60 | |
| 153 | 14 | L | 8 | 4,80 | 0,60 | | | 5,40 | 43,20 | |
| 154 | 16 | L | 4 | 6,30 | 0,60 | | | 6,90 | 27,60 | |
| 155 | 14 | L | 8 | 6,30 | 0,60 | | | 6,90 | 55,20 | |
| 156 | 16 | L | 4 | 2,95 | 0,60 | | | 3,55 | 14,20 | |
| 157 | 14 | L | 8 | 2,95 | 0,60 | | | 3,55 | 28,40 | |
| 158 | 16 | L | 12 | 1,35 | 0,45 | | | 1,80 | 21,60 | |
| 159 | 14 | L | 24 | 1,35 | 0,45 | | | 1,80 | 43,20 | |
| 160 | 16 | L | 4 | 3,88 | 0,52 | | | 4,40 | 17,60 | |
| 161 | 14 | L | 8 | 3,88 | 0,52 | | | 4,40 | 35,20 | |
| 162 | 16 | L | 16 | 1,35 | 0,45 | | | 1,80 | 28,80 | |
| 163 | 16 | L | 40 | 1,35 | 0,45 | | | 1,80 | 72,00 | |
| 164 | 14 | L | 6 | 1,35 | 0,45 | | | 1,80 | 10,80 | |
| 165 | 14 | L | 6 | 3,88 | 0,45 | | | 4,33 | 25,98 | |
| 170 | 10 | O | 272 | 2 x 0,39 | 2 x 0,39 | 2 x 0,10 | | 1,76 | 478,72 | |
| 171 | 10 | G | 272 | 0,39 | | | 2 x 0,10 | 0,59 | 160,48 | |
| 172 | 10 | O | 32 | 2 x 0,59 | 2 x 0,39 | 2 x 0,10 | | 2,16 | 69,12 | |
| 173 | 10 | G | 64 | 0,39 | | | 2 x 0,10 | 0,59 | 37,76 | |
| 174 | 10 | O | 64 | 2 x 0,24 | 2 x 0,24 | 2 x 0,10 | | 1,16 | 74,24 | |
| | | | | | CADENAS | | | | | |
| 180 | 12 | I | 4 | 18,03 | | | | 18,03 | 72,11 | Long. Total |
| 181 | 10 | O | 84 | 2 x 0,15 | 2 x 0,25 | 2 x 0,075 | | 0,95 | 79,80 | |
| 182 | 12 | I | 4 | 3,00 | | | | 3,00 | 12,00 | Long. Total |
| 183 | 10 | O | 10 | 2 x 0,15 | 2 x 0,25 | 2 x 0,075 | | 0,95 | 9,50 | |
| | | | | | FOSA ASCENSOR | | | | | |
| 200 | 12 | C | 30 | 2,55 | 2 x 0,15 | | | 2,85 | 85,50 | |
| 201 | 12 | C | 16 | 2,86 | 2 x 0,15 | | | 3,16 | 50,56 | |
| 201a | 12 | C | 10 | 5,65 | 2 x 0,15 | | | 5,95 | 59,50 | |
| 201b | 12 | C | 28 | 0,90 | 2 x 0,15 | | | 1,20 | 33,60 | |
| 202 | 12 | C | 44 | 1,60 | 2 x 0,15 | | | 1,90 | 83,60 | |
| 203 | 12 | I | 16 | 5,45 | | | | 5,45 | 87,20 | Long. Total |
| 204 | 12 | G | 27 | 0,15 | | | 2 x 0,075 | 0,30 | 8,10 | |
| 205 | 12 | C | 72 | 0,30 | 2 x 0,35 | | | 1,00 | 72,00 | |
| 206 | 12 | C | 42 | 4,65 | 2 x 0,15 | | | 4,95 | 207,90 | |
| 207 | 12 | C | 44 | 7,00 | 2 x 0,15 | | | 7,30 | 321,20 | |

TIPOS DE DOBLADO:



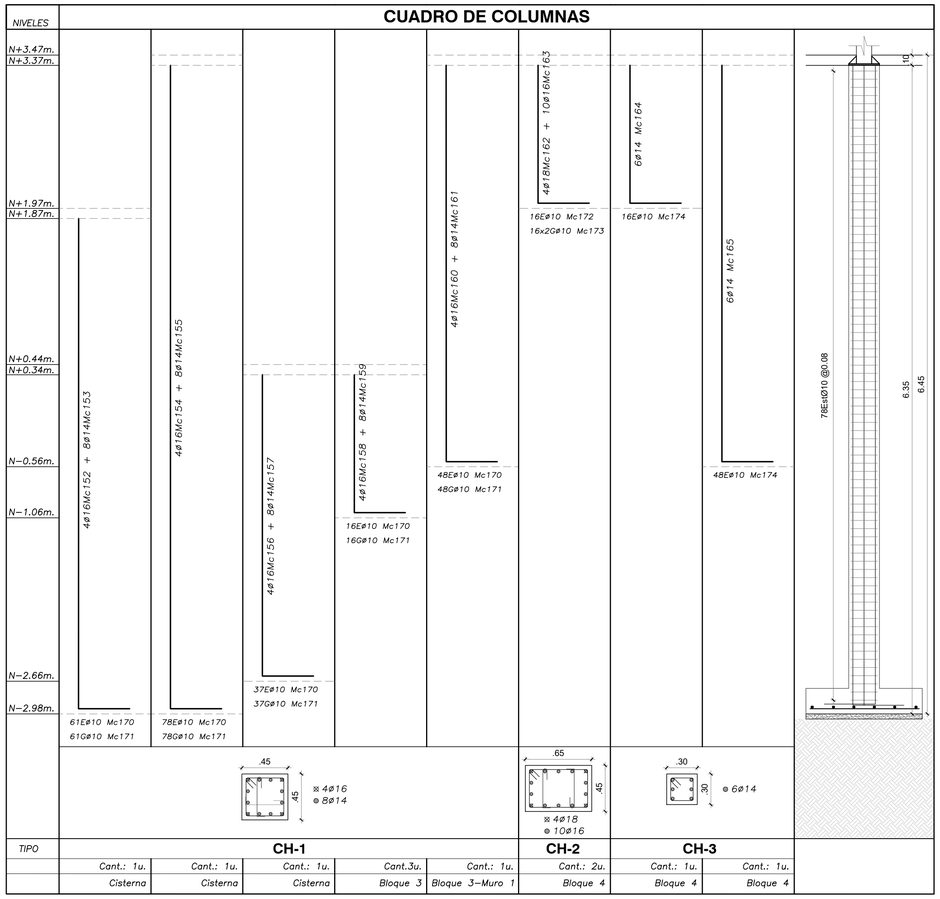

## RESUMEN DE MATERIALES

ACERO DE REFUERZO fy=4200 kg/cm2

| Øm.m | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 25 | Peso Total |
|---|---|---|---|---|---|---|---|---|---|---|
| W (kg/m) | 0,395 | 0,617 | 0,888 | 1,208 | 1,578 | 1,998 | 2,466 | 2,984 | 3,853 | (kg) |
| L (m) | - | 909,62 | 1.227,87 | 241,98 | 174,60 | 28,80 | - | - | - | 2.276,95 |
| Peso (kg) | - | 561,24 | 1.090,35 | 292,31 | 275,52 | 57,54 | - | - | - | |

| HORMIGÓN f'c=210 kg/cm2 | | MATERIALES ADICIONALES | |
|---|---|---|---|
| PLINTOS | 2.24 m3 | HORMIGON CICLÓPEO | 19.84 m3 |
| COLUMNETAS | 5.28 m3 | REPLANTILLO | 0.43 m3 |
| CADENAS | 1.12 m3 | | |
| FOSA Y MURO | 7.11 m3 | | |
| TOTAL HORMIGÓN f´c=210 kg/cm2 | 15.75 m3 | | |

## CUADRO DE COLUMNAS







SELLOS MUNICIPALES:

ARQUITECTURA E INGENIERÍA

PLANOS ESTRUCTURALES PROYECTO

"HOSTAL BOUTIQUE, BED & BREAKFAST DE LA PEÑA"

| | | | |
|---|---|---|---|
| PROFESIONAL | C. Catastral: 1010126003 | Archivo: | 02-Estructura Breakfast de la Peña.dwg |
| Ing. César Llano C.I. 1703567803 | No. Predio: 16373 | FECHA: | DICIEMBRE / 2020 |
| | COLABORÓ: ARQ. BYRON ESPINOSA byronesp@hotmail.com | ESCALAS: | INDICADAS |
| PROPIETARIO | CONTIENE: CIM. BLOQUE 3 CUADRO DE PLINTOS COLUMNETAS FOSA ASCENSOR - CORTES | LÁMINA: | E-02 de 06 |
| Andréa C. Vaca J. C.I. 1705233714 | | | |