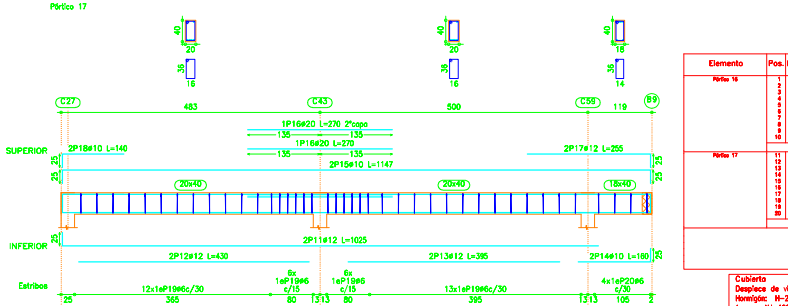
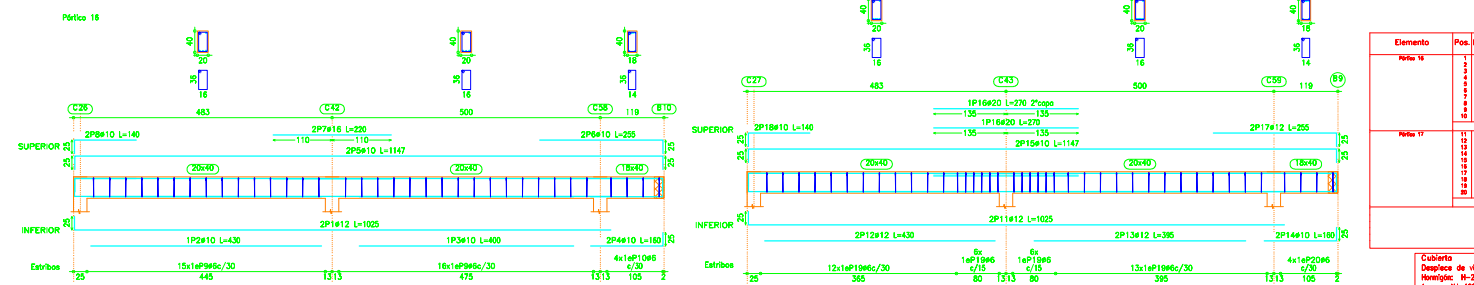
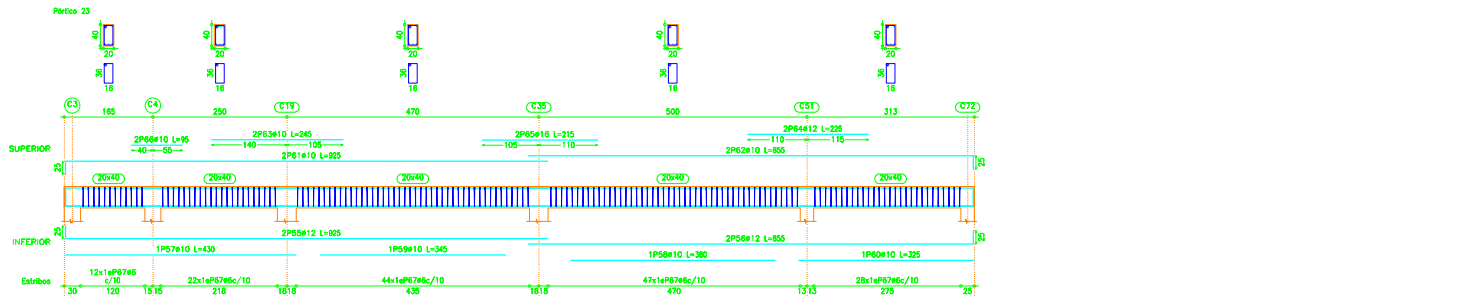
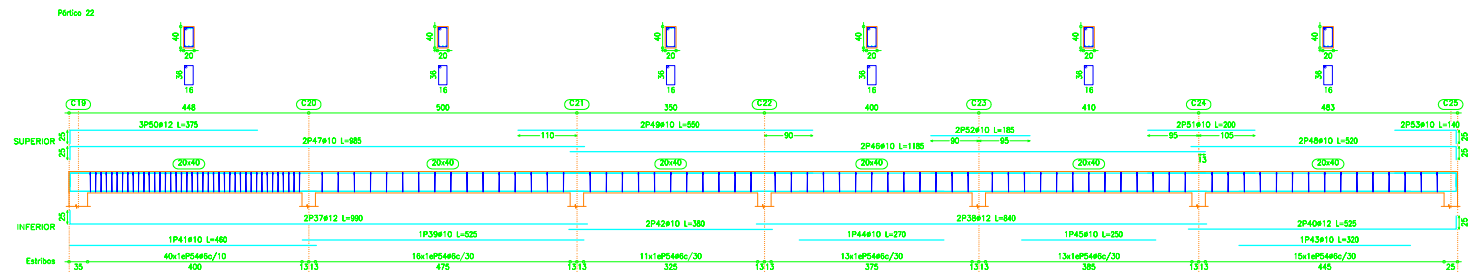
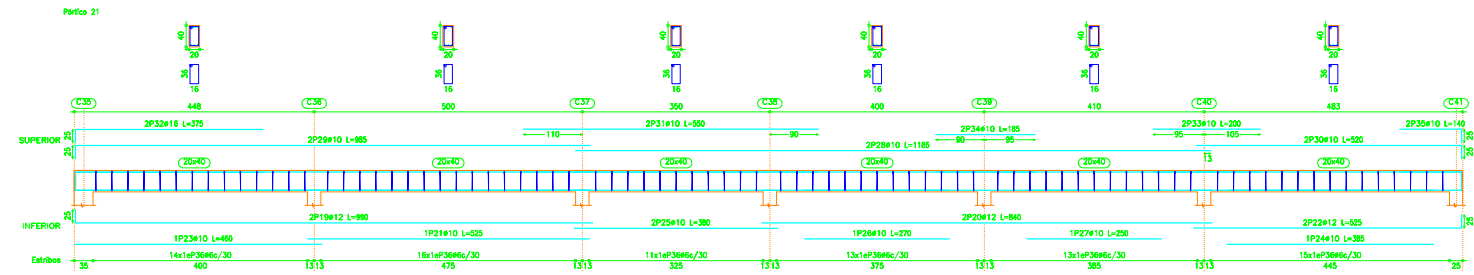
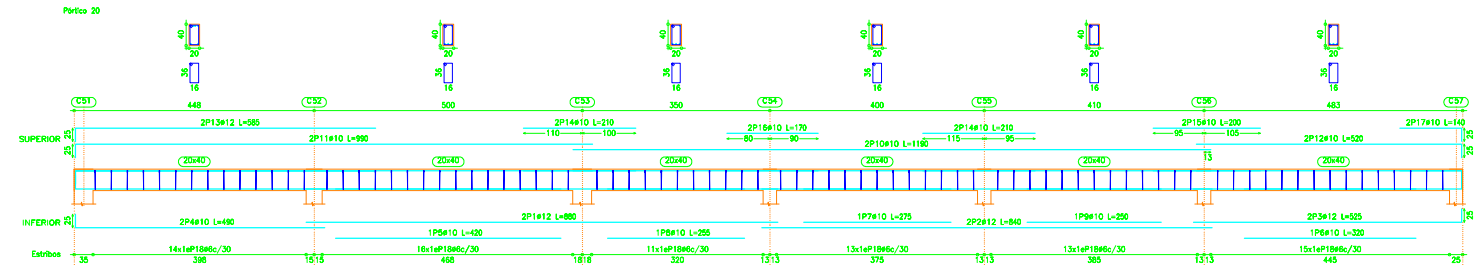
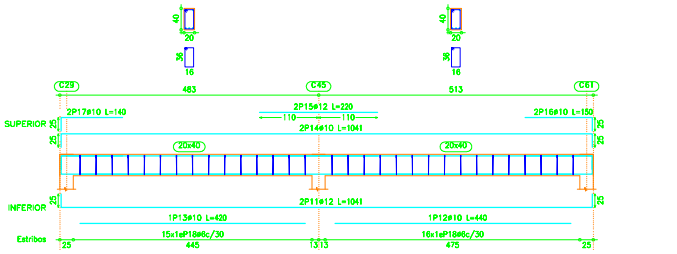
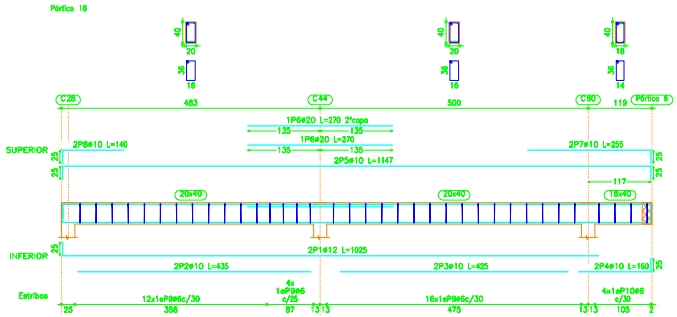




Elemento	Pos.	Dím.	No.	Long. (cm)	Total AN-400CH (kg)
Pérfico 20	1	20	1	110	110
	2	20	1	110	110
	3	20	1	110	110
	4	20	1	110	110
	5	20	1	110	110
	6	20	1	110	110
	7	20	1	110	110
	8	20	1	110	110
	9	20	1	110	110
	10	20	1	110	110
Pérfico 21	1	20	1	110	110
	2	20	1	110	110
	3	20	1	110	110
	4	20	1	110	110
	5	20	1	110	110
	6	20	1	110	110
	7	20	1	110	110
	8	20	1	110	110
	9	20	1	110	110
	10	20	1	110	110
Pérfico 22	1	20	1	110	110
	2	20	1	110	110
	3	20	1	110	110
	4	20	1	110	110
	5	20	1	110	110
	6	20	1	110	110
	7	20	1	110	110
	8	20	1	110	110
	9	20	1	110	110
	10	20	1	110	110
Pérfico 23	1	20	1	110	110
	2	20	1	110	110
	3	20	1	110	110
	4	20	1	110	110
	5	20	1	110	110
	6	20	1	110	110
	7	20	1	110	110
	8	20	1	110	110
	9	20	1	110	110
	10	20	1	110	110
Pérfico 16	1	20	1	110	110
	2	20	1	110	110
	3	20	1	110	110
	4	20	1	110	110
	5	20	1	110	110
	6	20	1	110	110
	7	20	1	110	110
	8	20	1	110	110
	9	20	1	110	110
	10	20	1	110	110
Pérfico 17	1	20	1	110	110
	2	20	1	110	110
	3	20	1	110	110
	4	20	1	110	110
	5	20	1	110	110
	6	20	1	110	110
	7	20	1	110	110
	8	20	1	110	110
	9	20	1	110	110
	10	20	1	110	110

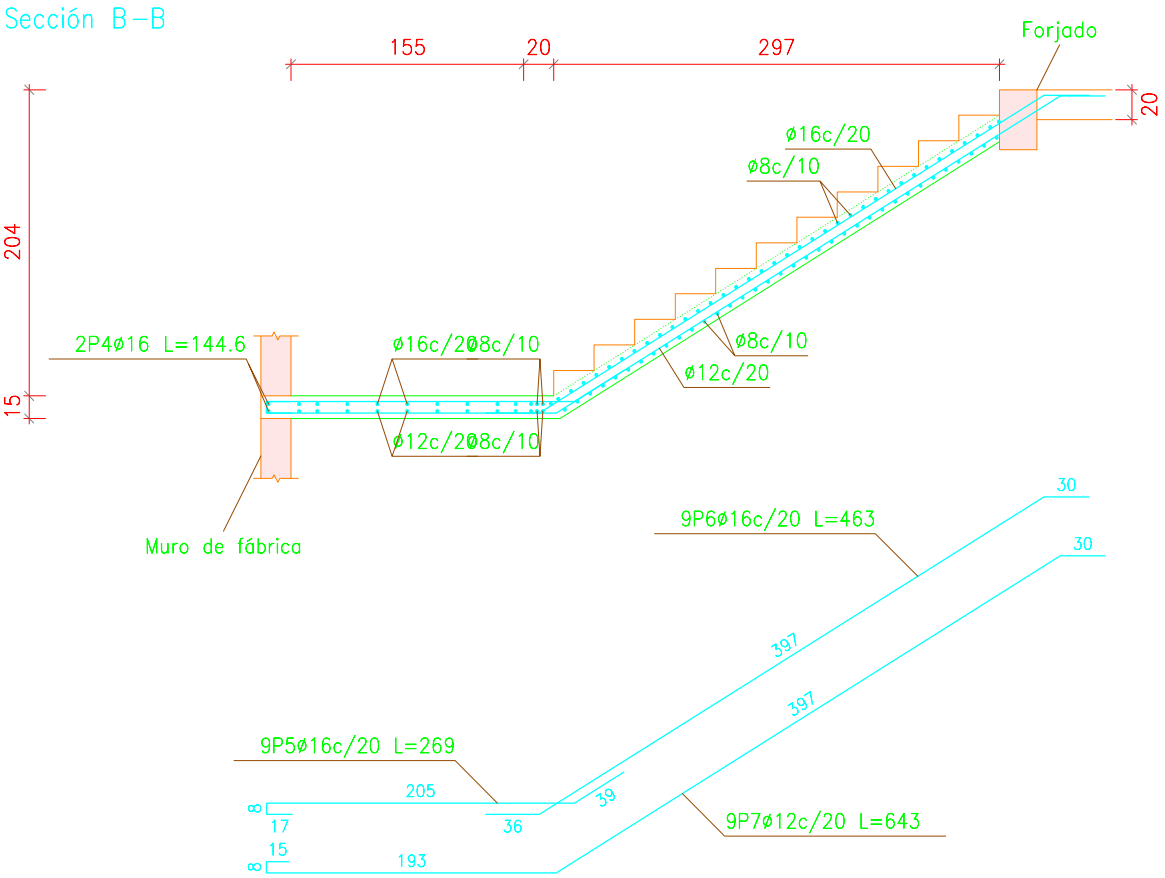
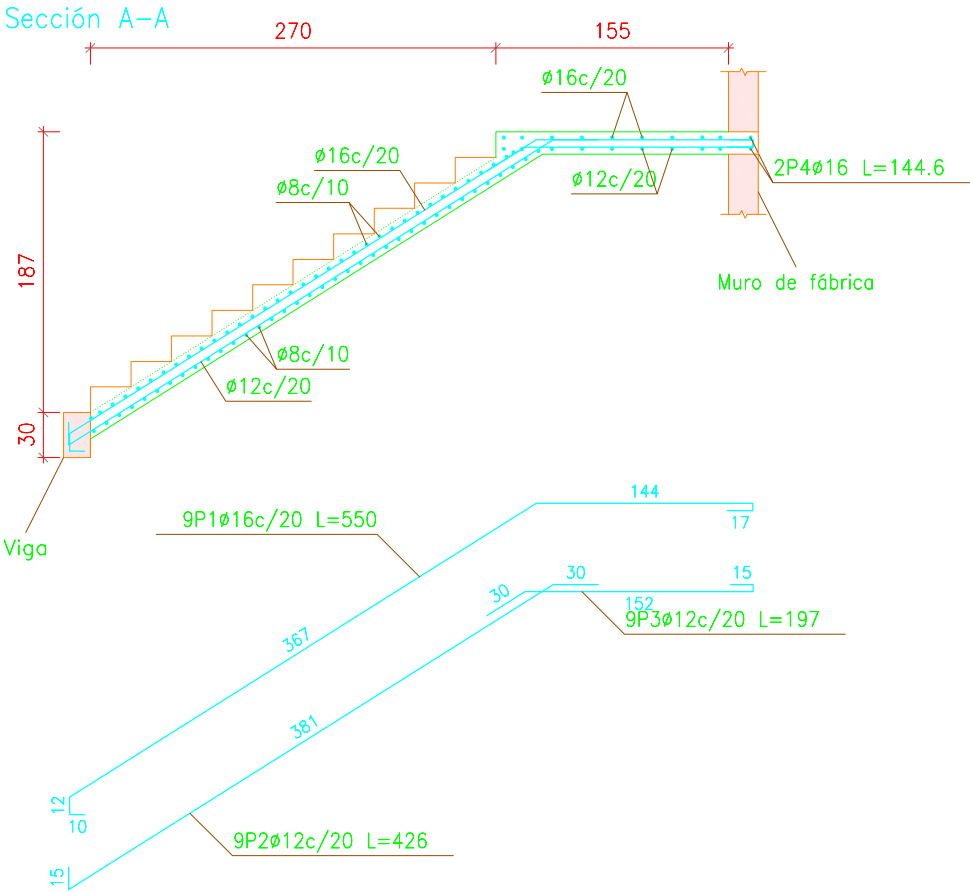
Cubierta
Desplazo de vigas
Hormigón: H-21, Control Normal
Acero: A4-400, Control Normal
Escala: 1:50



Elemento	Pos.	Dím.	No.	Long. (cm)	Total AN-400CH (kg)
Pérfico 18	1	20	1	110	110
	2	20	1	110	110
	3	20	1	110	110
	4	20	1	110	110
	5	20	1	110	110
	6	20	1	110	110
	7	20	1	110	110
	8	20	1	110	110
	9	20	1	110	110
	10	20	1	110	110
Pérfico 19	1	20	1	110	110
	2	20	1	110	110
	3	20	1	110	110
	4	20	1	110	110
	5	20	1	110	110
	6	20	1	110	110
	7	20	1	110	110
	8	20	1	110	110
	9	20	1	110	110
	10	20	1	110	110
Pérfico 16	1	20	1	110	110
	2	20	1	110	110
	3	20	1	110	110
	4	20	1	110	110
	5	20	1	110	110
	6	20	1	110	110
	7	20	1	110	110
	8	20	1	110	110
	9	20	1	110	110
	10	20	1	110	110
Pérfico 17	1	20	1	110	110
	2	20	1	110	110
	3	20	1	110	110
	4	20	1	110	110
	5	20	1	110	110
	6	20	1	110	110
	7	20	1	110	110
	8	20	1	110	110
	9	20	1	110	110
	10	20	1	110	110

Cubierta
Desplazo de vigas
Hormigón: H-21, Control Normal
Acero: A4-400, Control Normal
Escala: 1:50

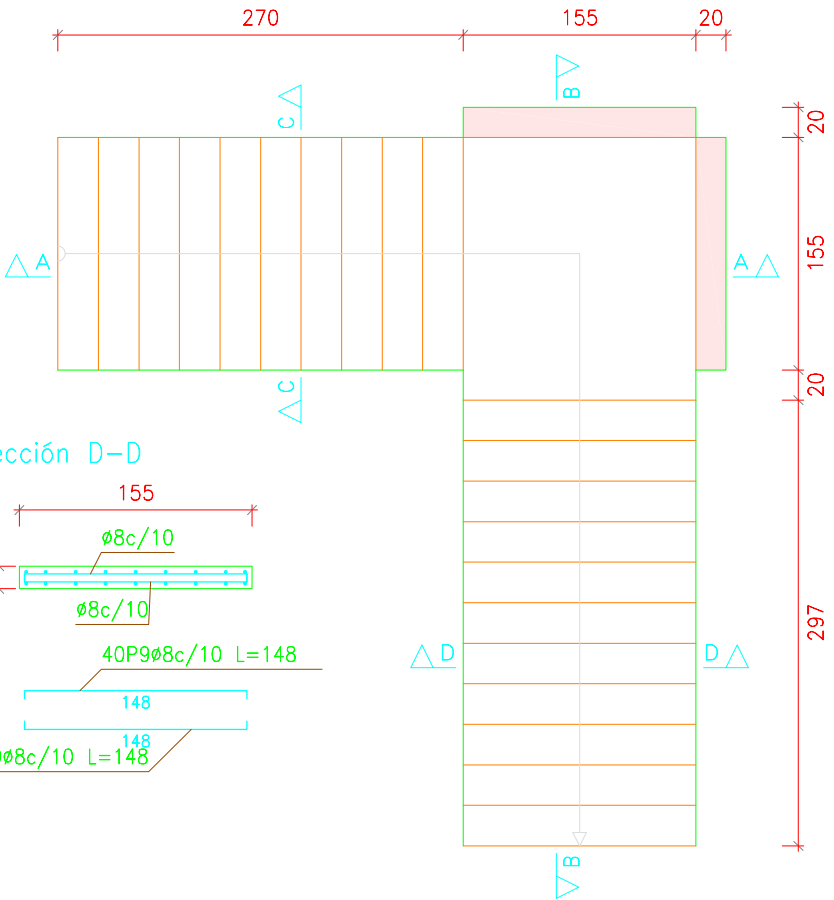
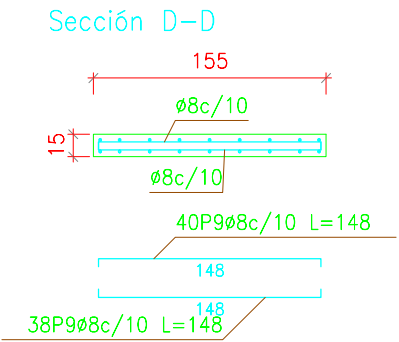
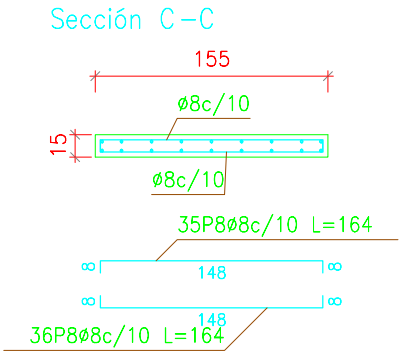
ARMADURA ESCALERA Escala 1:25



ESCALERA N1	
Ámbito	1.550 m
Epesor	0.15 m
Huella	0.270 m
Contrahuella	0.170 m
Desnivel que salva	3.91 m
Nº de escalones	23
Puerta final	Losa
Puerta inicial	cimientos
Peso propio	3.88 kN/m2
Peldaños	1.76 kN/m2
Salida	0.60 kN/m2
Barandillas	0.80 kN/m
Sobrecarga de uso	3.00 kN/m2
Hormigón	H-21 , Control Normal
Acero	AH-400 , Control Normal
Rec. geométrico	3.0 cm

Resumen Acero	Long. total (m)	Peso+10% (kg)	Total
AH-400CN Ø8	231.9	101	
Ø12	113.9	111	
Ø16	121.2	210	422

Elemento	Pos.	Diám.	No.	Long. (cm)	Total (cm)	Total (kg)
HUGO-ESCALERA N1						
1	Ø16	9	356	2850	76.1	
2	Ø12	9	426	3834	94.9	
3	Ø12	9	187	1773	45.7	
4	Ø16	9	142	560	8.2	
5	Ø16	9	289	2421	38.2	
6	Ø16	9	463	4187	63.8	
7	Ø12	9	643	5287	51.4	
8	Ø8	71	164	11644	45.8	
9	Ø8	76	148	11644	45.8	
Total=100%					422.3	
Ø8:					193.7	
Ø12:					111.2	
Ø16:					210.4	
Total:					422.3	



PROYECTO:
DISEÑO ESTRUCTURAL CENTRO DE SALUD DISTRITO 4 BERMEJO

CONCEPTO:
ESCALERA

ESTUDIANTE:
HUGO FERNANDO NEIVES FERNANDEZ

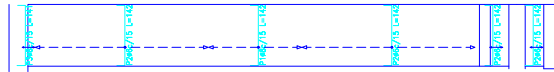
Vo Bo:

PLANO:
11/17



Elemento	Pos.	Diám.	No.	Long. (cm)	Tota (cm)	Total (kg)
Resumen Acero						
descanso 1						
Armadura longitudinal inferior						
AH-400CH						
#6	9.9	2				
#12	115.1	112				114

descanso 1
Armadura longitudinal inferior
Homolog: H-21 , Control Normal
AH-400 , Control Normal
Escala: 1:50



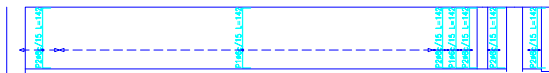
Elemento	Pos.	Diám.	No.	Long. (cm)	Tota (cm)	Total (kg)
Resumen Acero						
descanso 1						
Armadura transversal inferior						
AH-400CH						
#6	65.2	17				
#8	19.9	9				26

descanso 1
Armadura transversal inferior
Homolog: H-21 , Control Normal
AH-400 , Control Normal
Escala: 1:50



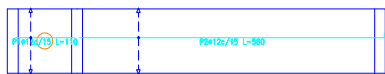
Elemento	Pos.	Diám.	No.	Long. (cm)	Tota (cm)	Total (kg)
Resumen Acero						
descanso 1						
Armadura longitudinal superior						
AH-400CH						
#12	213.2	208				

descanso 1
Armadura longitudinal superior
Homolog: H-21 , Control Normal
AH-400 , Control Normal
Escala: 1:50



Elemento	Pos.	Diám.	No.	Long. (cm)	Tota (cm)	Total (kg)
Resumen Acero						
descanso 1						
Armadura transversal superior						
AH-400CH						
#6	69.8	17				
#8	18.5	8				25

descanso 1
Armadura transversal superior
Homolog: H-21 , Control Normal
AH-400 , Control Normal
Escala: 1:50



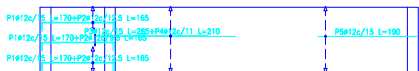
Elemento	Pos.	Diám.	No.	Long. (cm)	Tota (cm)	Total (kg)
Resumen Acero						
descanso 3						
Armadura longitudinal inferior						
AH-400CH						
#12	62.1	61				

descanso 3
Armadura longitudinal inferior
Homolog: H-21 , Control Normal
AH-400 , Control Normal
Escala: 1:50



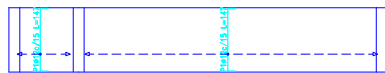
Elemento	Pos.	Diám.	No.	Long. (cm)	Tota (cm)	Total (kg)
Resumen Acero						
descanso 3						
Armadura transversal inferior						
AH-400CH						
#12	64.7	63				

descanso 3
Armadura transversal inferior
Homolog: H-21 , Control Normal
AH-400 , Control Normal
Escala: 1:50



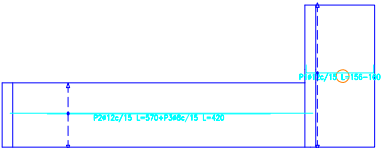
Elemento	Pos.	Diám.	No.	Long. (cm)	Tota (cm)	Total (kg)
Resumen Acero						
descanso 3						
Armadura longitudinal superior						
AH-400CH						
#12	101.3	99				

descanso 3
Armadura longitudinal superior
Homolog: H-21 , Control Normal
AH-400 , Control Normal
Escala: 1:50



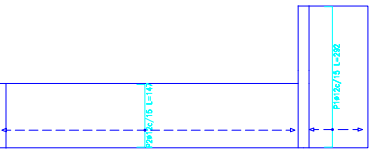
Elemento	Pos.	Diám.	No.	Long. (cm)	Tota (cm)	Total (kg)
Resumen Acero						
descanso 3						
Armadura transversal superior						
AH-400CH						
#12	64.7	63				

descanso 3
Armadura transversal superior
Homolog: H-21 , Control Normal
AH-400 , Control Normal
Escala: 1:50



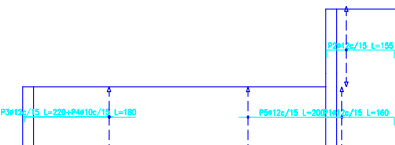
Elemento	Pos.	Diám.	No.	Long. (cm)	Tota (cm)	Total (kg)
Resumen Acero						
descanso 2						
Armadura longitudinal inferior						
AH-400CH						
#6	37.8	16				
#12	80.9	79				95

descanso 2
Armadura longitudinal inferior
Homolog: H-21 , Control Normal
AH-400 , Control Normal
Escala: 1:50



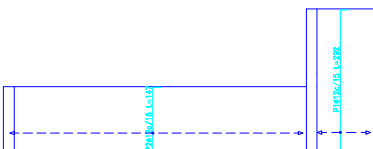
Elemento	Pos.	Diám.	No.	Long. (cm)	Tota (cm)	Total (kg)
Resumen Acero						
descanso 2						
Armadura transversal inferior						
AH-400CH						
#12	74.8	73				

descanso 2
Armadura transversal inferior
Homolog: H-21 , Control Normal
AH-400 , Control Normal
Escala: 1:50



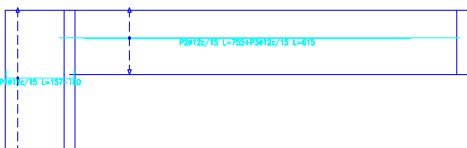
Elemento	Pos.	Diám.	No.	Long. (cm)	Tota (cm)	Total (kg)
Resumen Acero						
descanso 2						
Armadura longitudinal superior						
AH-400CH						
#12	67.7	66				77

descanso 2
Armadura longitudinal superior
Homolog: H-21 , Control Normal
AH-400 , Control Normal
Escala: 1:50



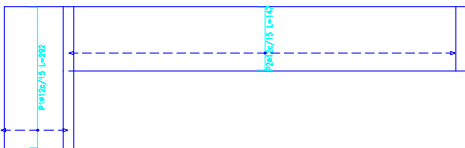
Elemento	Pos.	Diám.	No.	Long. (cm)	Tota (cm)	Total (kg)
Resumen Acero						
descanso 2						
Armadura transversal superior						
AH-400CH						
#12	74.8	73				

descanso 2
Armadura transversal superior
Homolog: H-21 , Control Normal
AH-400 , Control Normal
Escala: 1:50



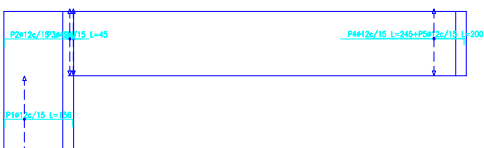
Elemento	Pos.	Diám.	No.	Long. (cm)	Tota (cm)	Total (kg)
Resumen Acero						
descanso 4						
Armadura longitudinal inferior						
AH-400CH						
#12	153.1	150				

descanso 4
Armadura longitudinal inferior
Homolog: H-21 , Control Normal
AH-400 , Control Normal
Escala: 1:50



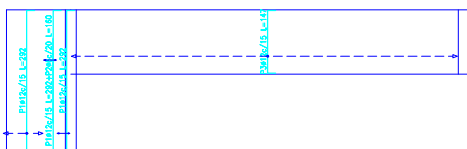
Elemento	Pos.	Diám.	No.	Long. (cm)	Tota (cm)	Total (kg)
Resumen Acero						
descanso 4						
Armadura transversal inferior						
AH-400CH						
#12	86.3	95				

descanso 4
Armadura transversal inferior
Homolog: H-21 , Control Normal
AH-400 , Control Normal
Escala: 1:50



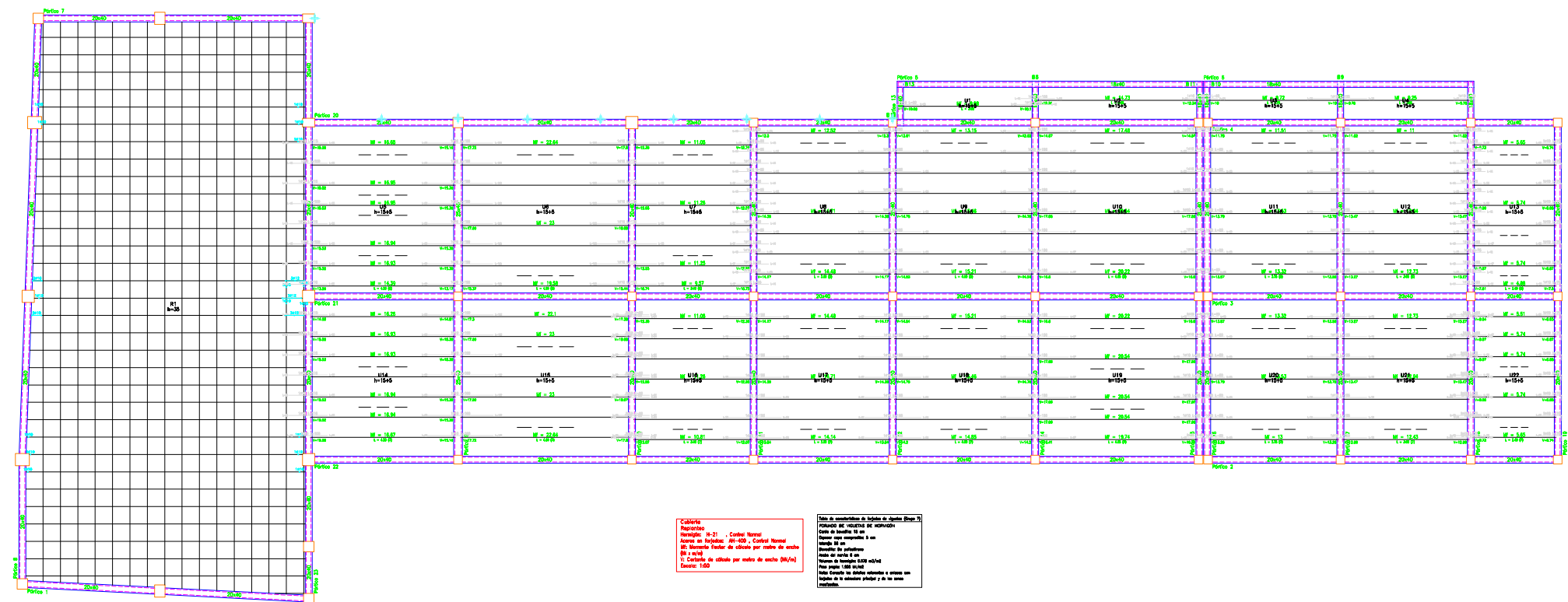
Elemento	Pos.	Diám.	No.	Long. (cm)	Tota (cm)	Total (kg)
Resumen Acero						
descanso 4						
Armadura longitudinal superior						
AH-400CH						
#12	74.1	72				

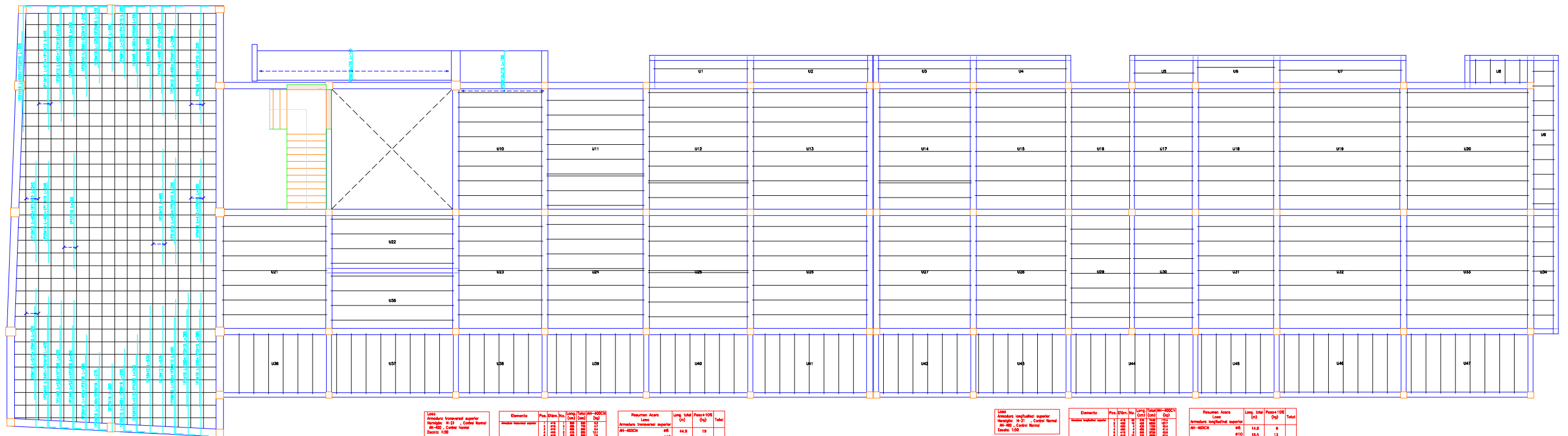
descanso 4
Armadura longitudinal superior
Homolog: H-21 , Control Normal
AH-400 , Control Normal
Escala: 1:50



Elemento	Pos.	Diám.	No.	Long. (cm)	Tota (cm)	Total (kg)
Resumen Acero						
descanso 4						
Armadura transversal superior						
AH-400CH						
#6	3.2	1				
#12	68.3	98				97

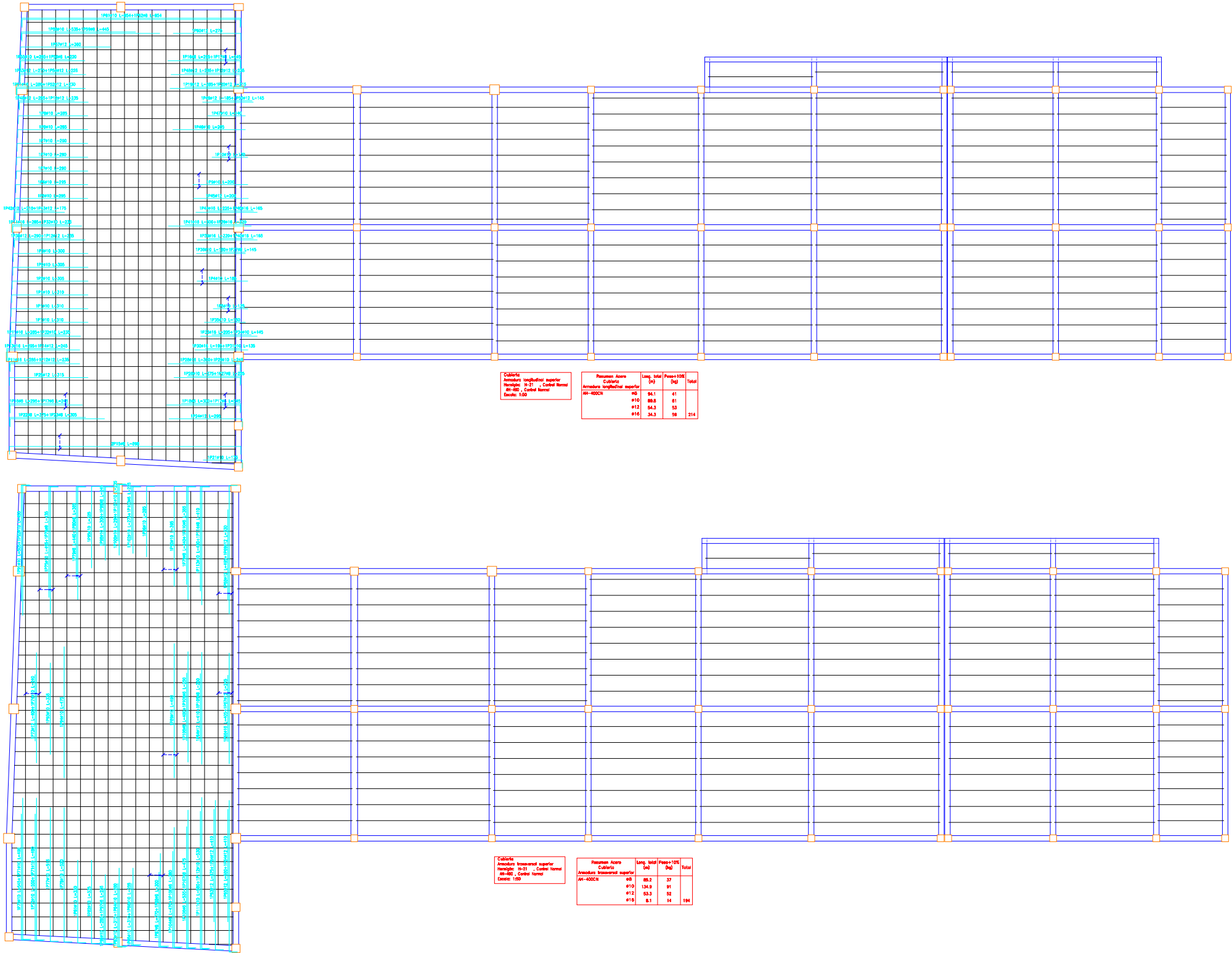
descanso 4
Armadura transversal superior
Homolog: H-21 , Control Normal
AH-400 , Control Normal
Escala: 1:50





Resumen Acero Lose		Long. total (m)	Peso+10% (kg)	Total
Armadura longitudinal superior				
AH-600CM	#8	14.8	6	
	#10	18.5	13	
	#12	198.5	192	
	#16	516.7	897	
	#20	233.0	632	1740

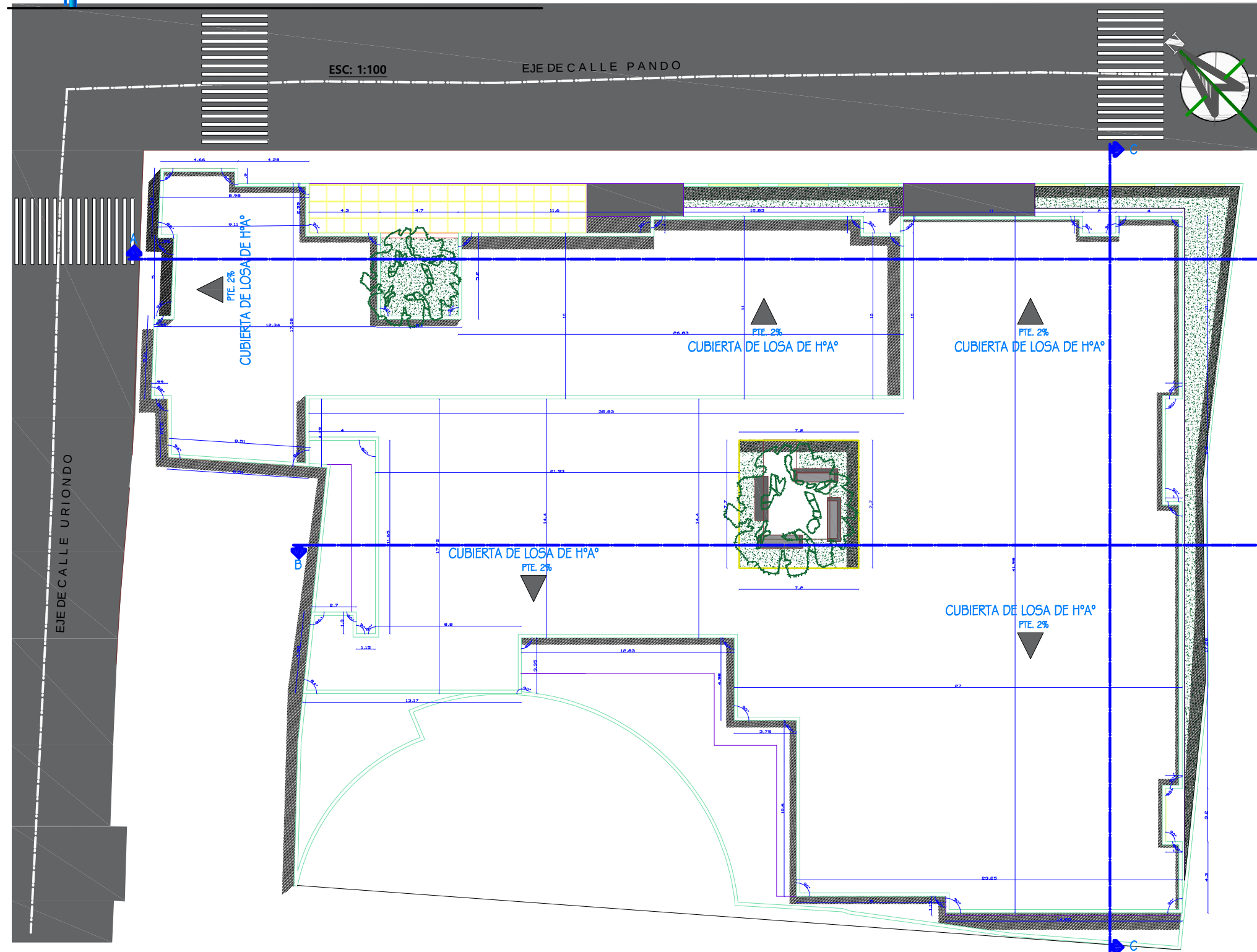
PROYECTO:	
DISEÑO ESTRUCTURAL CENTRO DE SALUD DISTRITO 4 BERMEJO	
CONCEPTO:	
ARMADURA LONGITUDINAL Y TRANSVERSAL SUPERIOR 1RA LOSA	
ESTUDIANTE:	
HUGO FERNANDO NIEVES FERNANDEZ	
Vo Bo:	PLANO: 15/17



Elemento	Peso	Dim.	Long.	Vol.	Peso
Reinforcement upper	1.00	1.00	1.00	1.00	1.00
Reinforcement lower	1.00	1.00	1.00	1.00	1.00

PLANO DE SITIO Y TECHOS

ESC. 1:100



EJECUTO:

RESPONSABLE DEL PROYECTO:

FINANCIAMIENTO:

LAMINA:

NUMERO:

1 / 5

FECHA: MAYO 2017

ESCALA: INDICADA

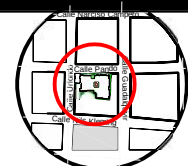
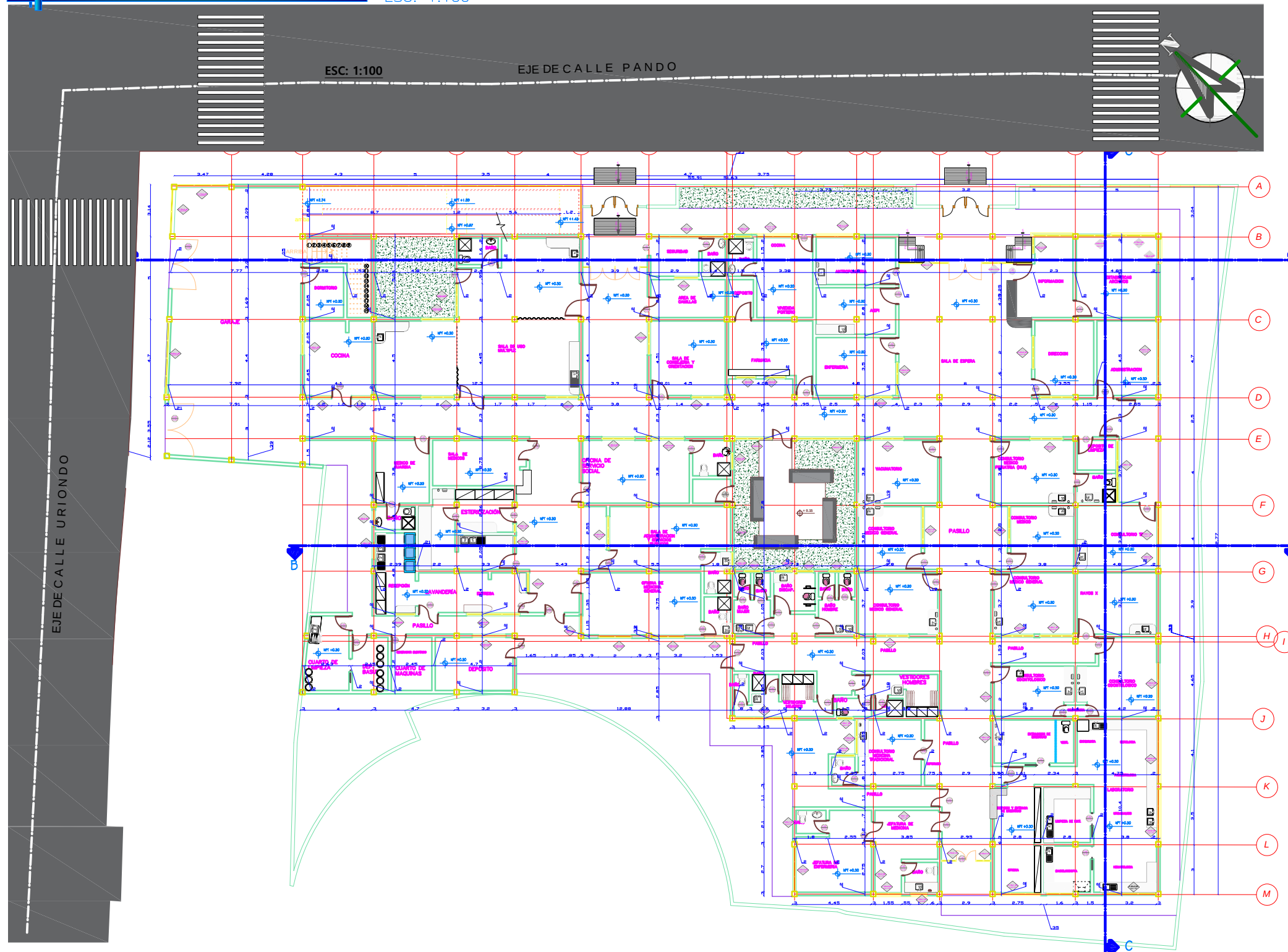


PLANO DE SITIO
Y TECHOS

ESTUDIO TESA CONSTRUCCION
CENTRO DE SALUD DISTRITO 4 -
BERMEJO

PLANTA BAJA ACOTADA

ESC. 1:100



EJECUTO:

RESPONSABLE DEL PROYECTO:

FINANCIAMIENTO:

LAMINA:

NUMERO:

2 / 5

FECHA: MAYO 2017

ESCALA: INDICADA



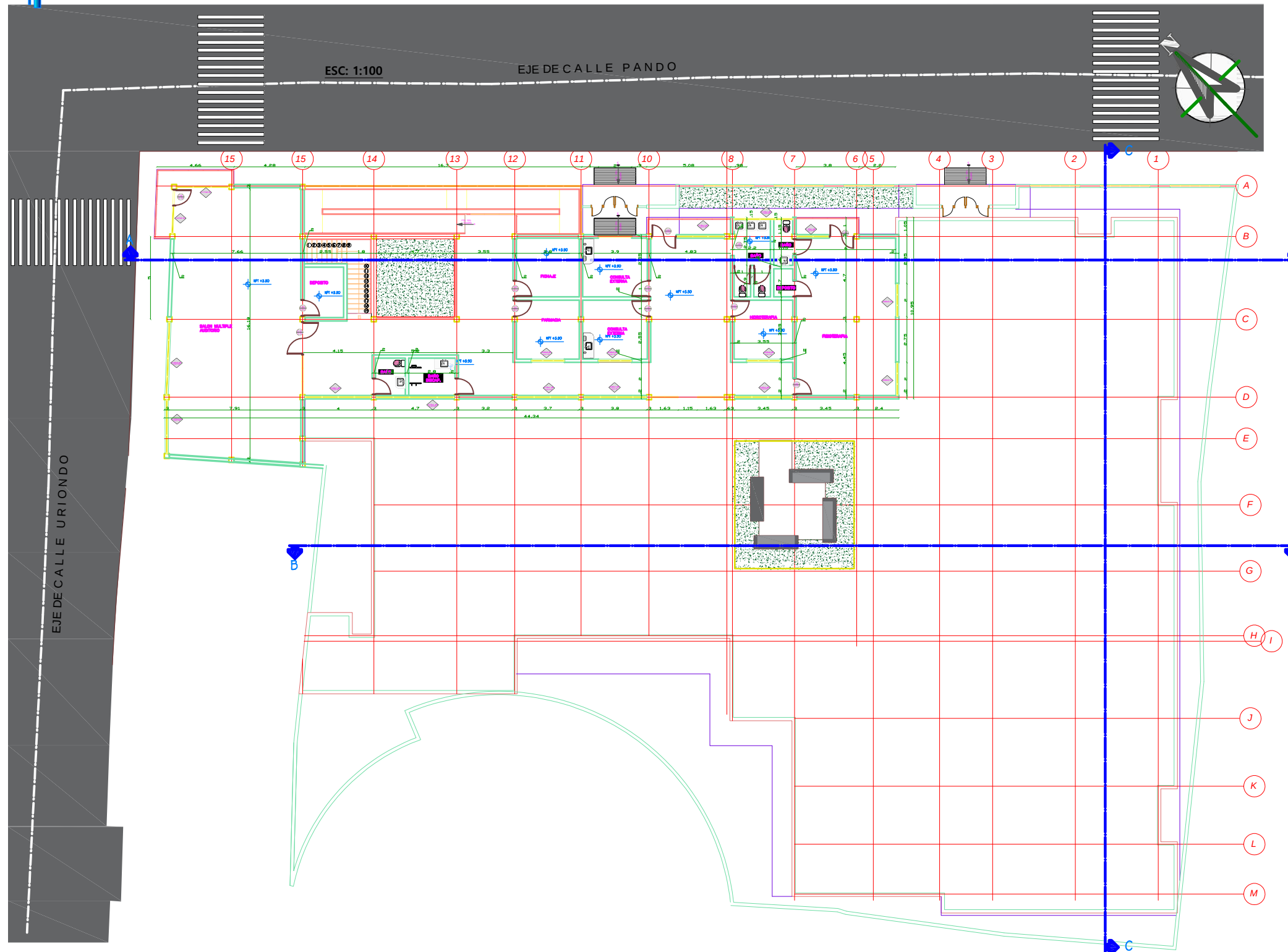
PLANTA BAJA
ACOTADA

ESTUDIO TESA CONSTRUCCION
CENTRO DE SALUD DISTRITO 4 -
BERMEJO



PLANTA ALTA ACOTADA

ESC. 1:100



EJECUTO:

RESPONSABLE DEL PROYECTO:

FINANCIAMIENTO:

LAMINA:

NUMERO:

3/5

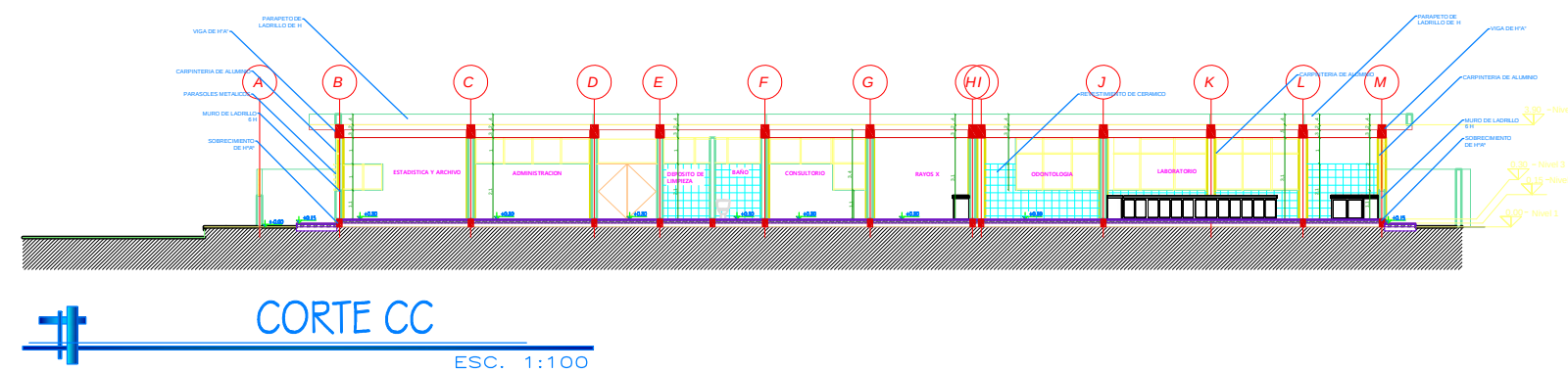
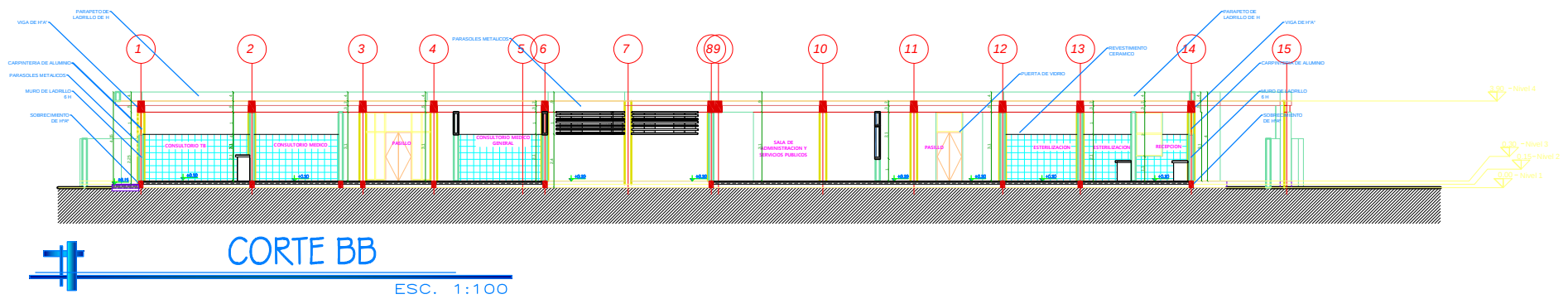
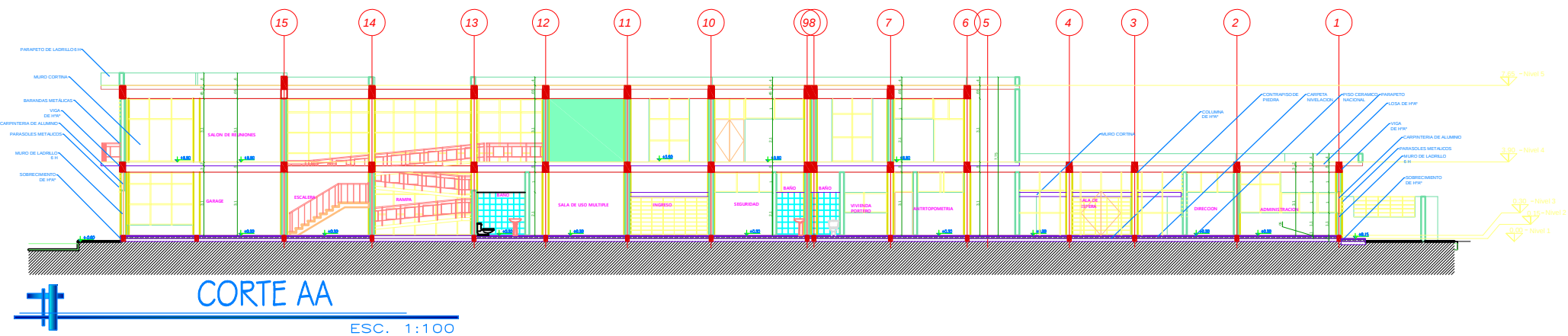
FECHA: MAYO 2017

ESCALA: INDICADA



PLANTA ALTA
ACOTADA

ESTUDIO TESA CONSTRUCCION
CENTRO DE SALUD DISTRITO 4 -
BERMEJO



	EJECUTO: 	RESPONSABLE DEL PROYECTO: 	FINANCIAMIENTO: GOBIERNO AUTONOMO MUNICIPAL DE BERMEJO	LAMINA: CORTES	NUMERO: 4/5 FECHA: MAYO 2017 ESCALA: INDICADA	ESTUDIO TESA CONSTRUCCION CENTRO DE SALUD DISTRITO 4 - BERMEJO
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