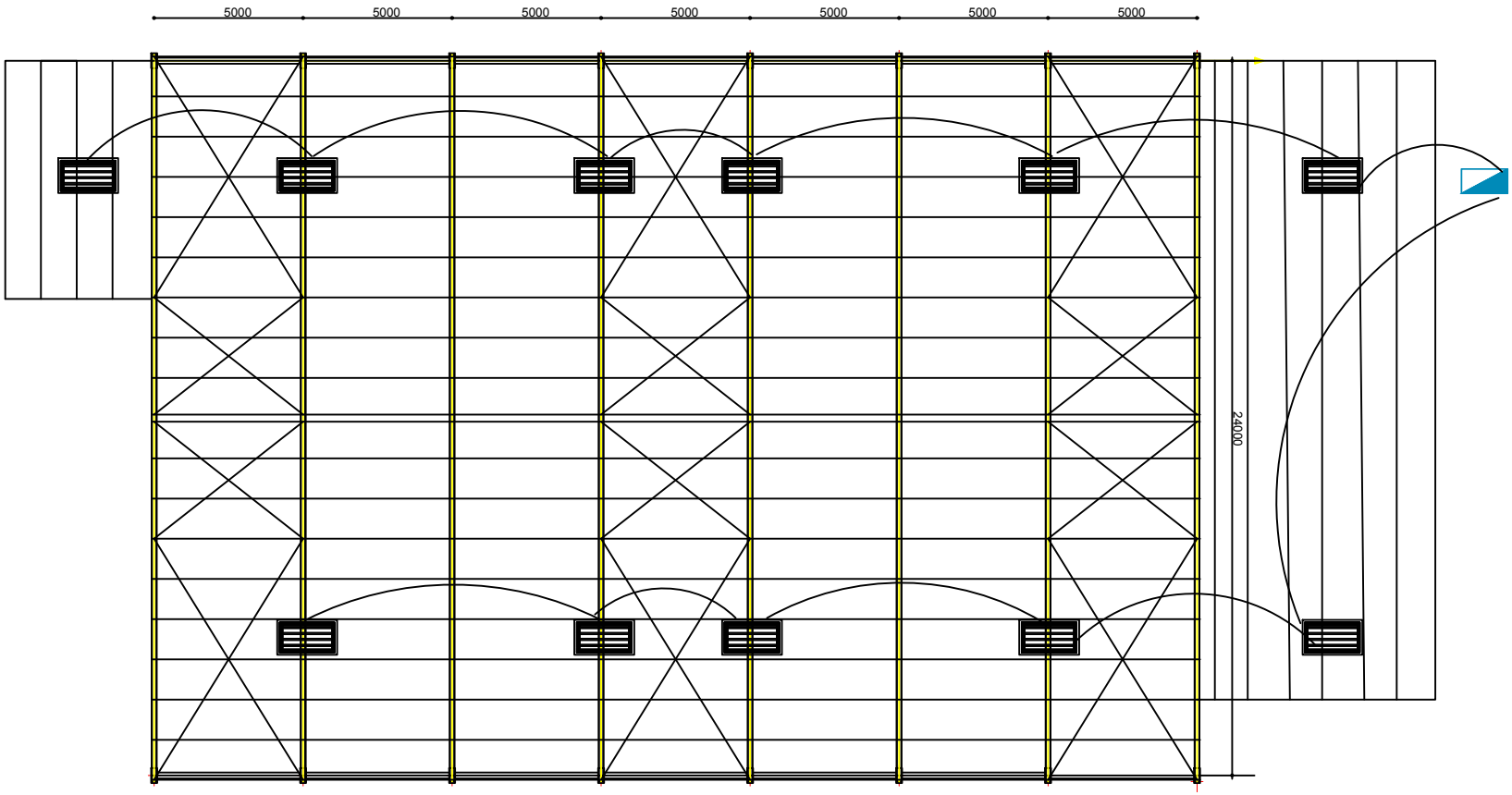
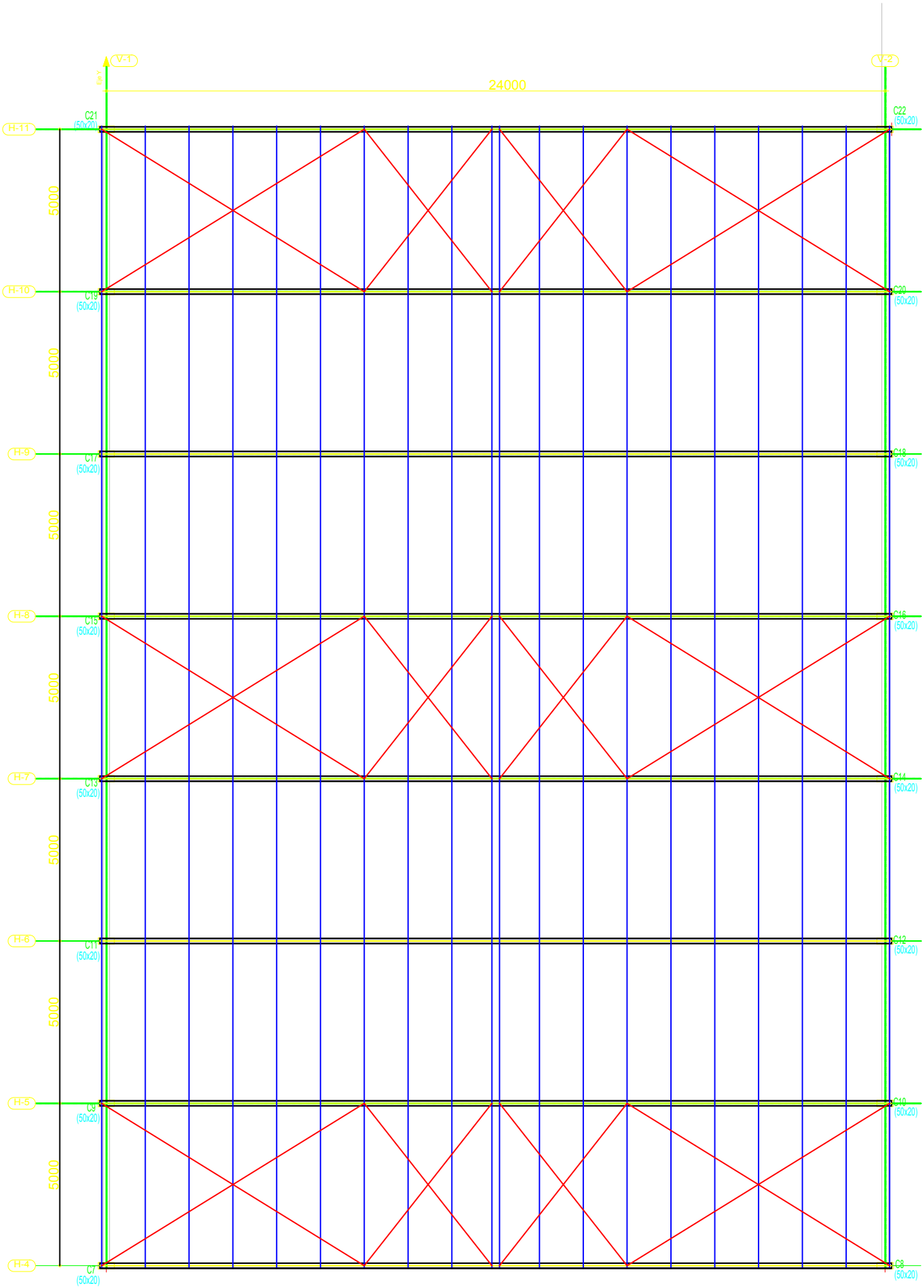
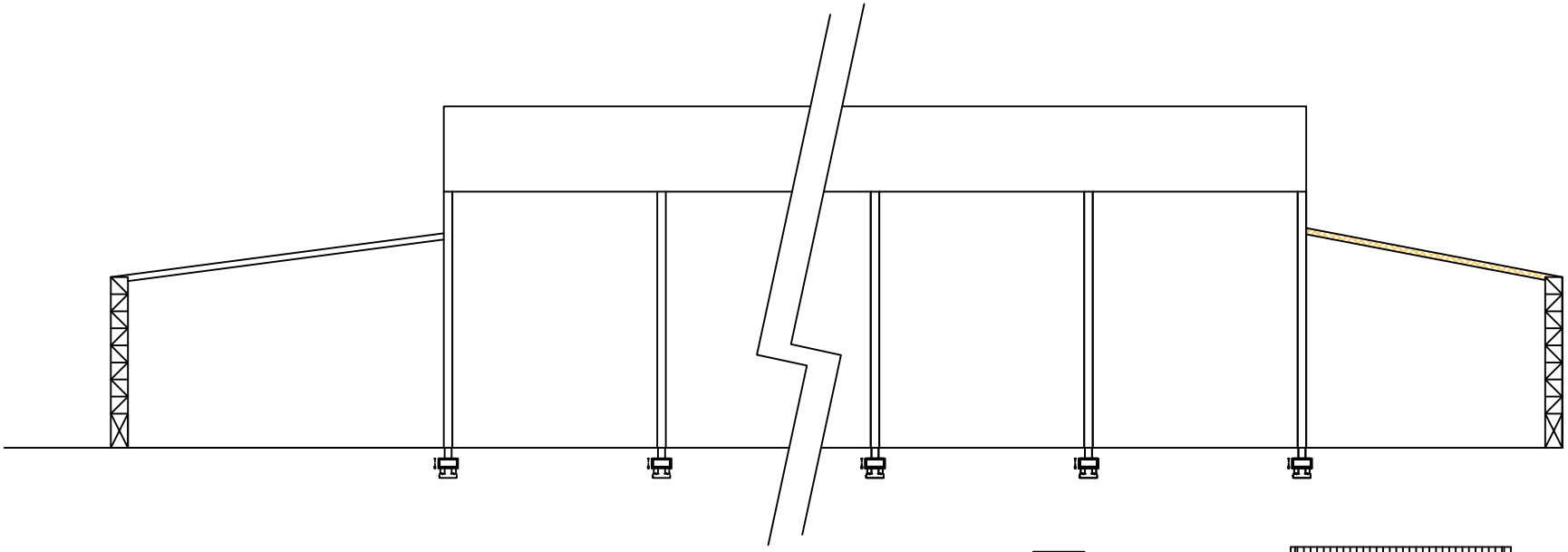
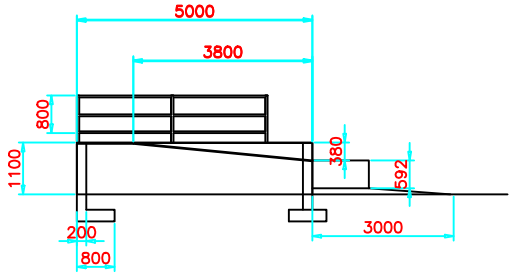


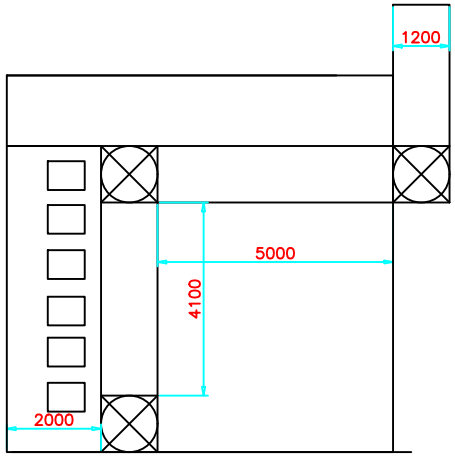
INSTALACIONES ELÉCTRICAS.

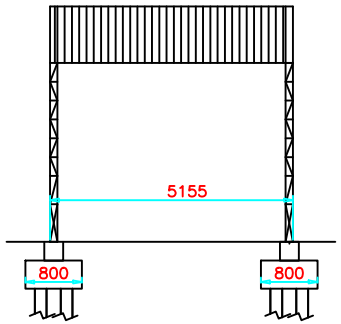
REFLECTORES TIPO LED DE 150 WATT
CONDUCTORES MULTIFILARES DE 2MM2
ELECTRODUCTO ANTILLAMA
CAJA DE CONEXIÓN Y TABLERO DE DISTRIBUCIÓN
UNA LLAVE POR CADA DOS REFLECTORES

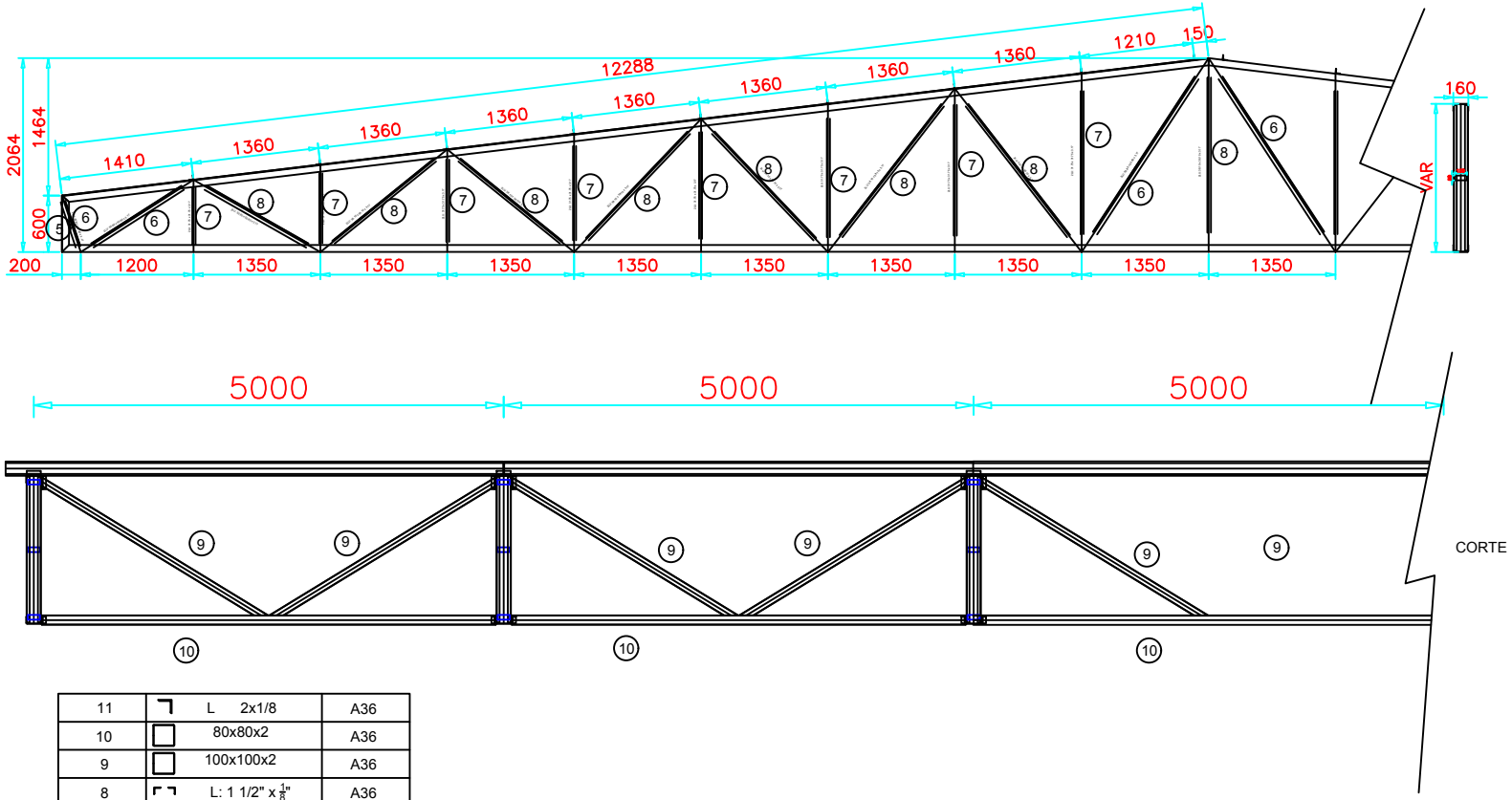

V-1
V-2
24000
H-11
H-10
H-9
H-8
H-7
H-6
H-5
H-4
5000
5000
5000
5000
5000
5000
C21
(50x20)
C22
(50x20)
C19
(50x20)
C20
(50x20)
C17
(50x20)
C18
(50x20)
C15
(50x20)
C16
(50x20)
C13
(50x20)
C14
(50x20)
C11
(50x20)
C12
(50x20)
C9
(50x20)
C10
(50x20)
C7
(50x20)
C8
(50x20)



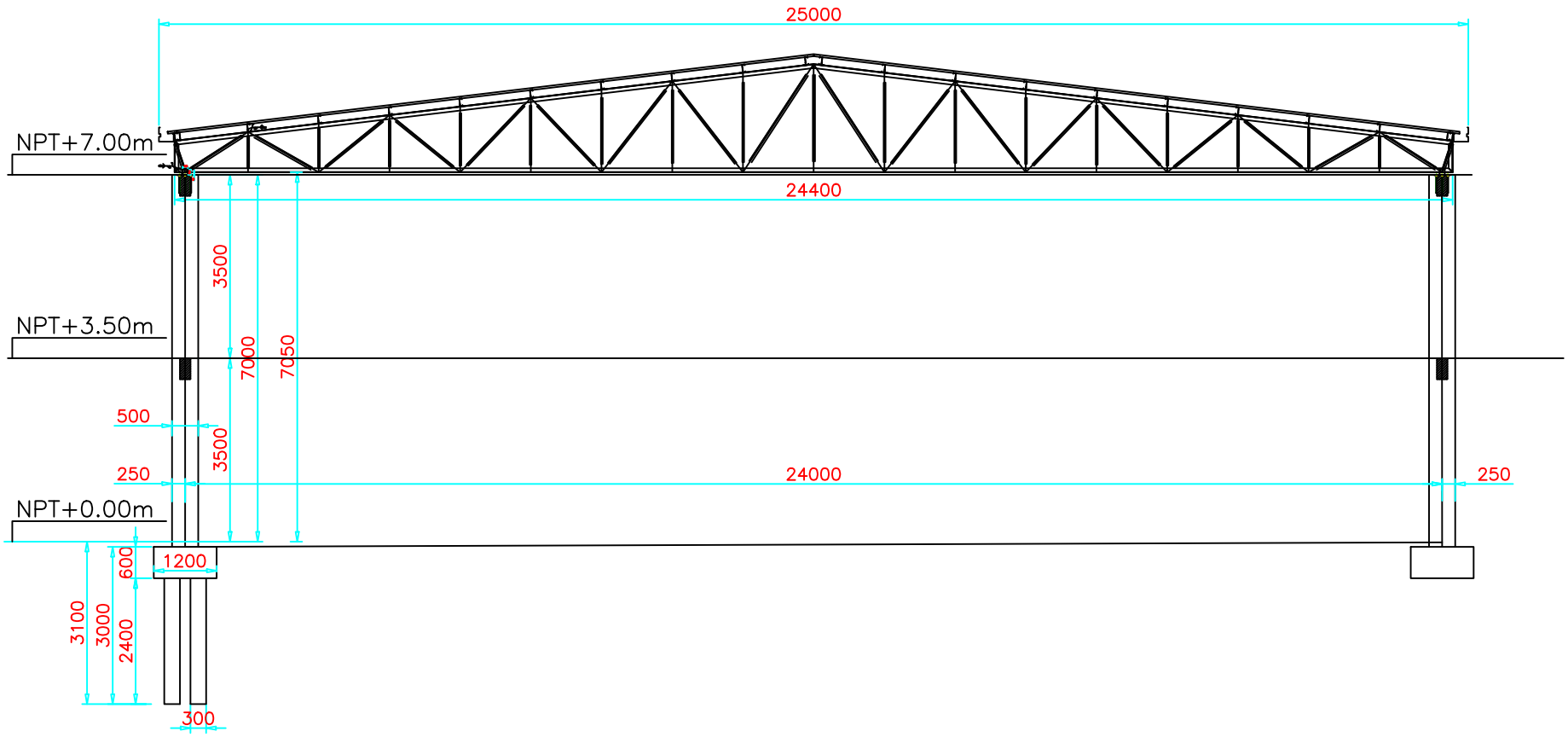

5000
3800
800
1100
380
592
3000
200
800

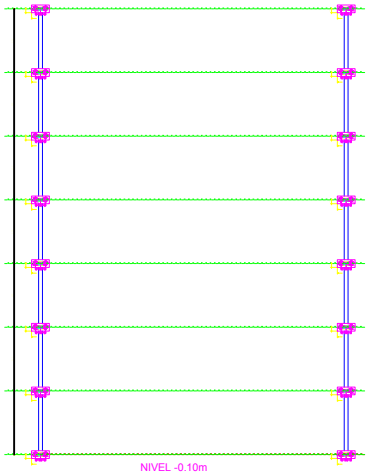

1200
5000
4100
2000


5155
800
800

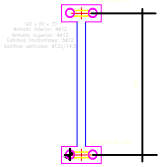


posicion	dimensiones	material
11	L 2x1/8	A36
10	80x80x2	A36
9	100x100x2	A36
8	L: 1 1/2" x $\frac{1}{8}$"	A36
7	L: 1 1/4" x $\frac{1}{8}$"	A36
6	L: 2" x $\frac{1}{8}$"	A36
5	160x75x4.0	A36
4	P: 2" x $\frac{1}{8}$"	A36
3	150x50x17x2.0	A36
2	VAR: 1/2"	APE
1	150x50x17x2.0	A36

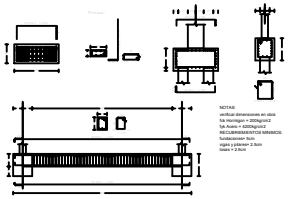

25000
NPT+7.00m
24400
3500
NPT+3.50m
7000
7050
500
3500
250
24000
250
NPT+0.00m
1200
600
3100
3000
2400
300

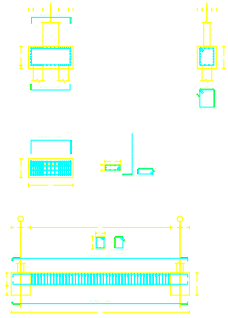


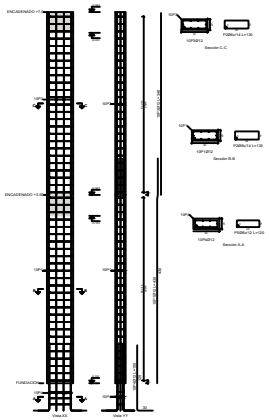
NIVEL -0.10m



NOTAS:
verificar dimensiones en obra
fck Hormigon = 200kg/cm2
fyk Acero = 4200kg/cm2
RECUBRIEMIENTOS MINIMOS:
fundacionesr= 5cm
vigas y pilares= 2.5cm
losas = 2.5cm







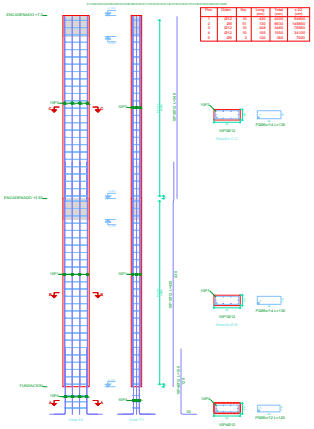
Pos.	Diam.	No.	Long. Unit.	Long. Total	Long. Total
					Redondeo
1	ø12	10	120	1200	1200
2	ø12	10	120	1200	1200
3	ø6	5	120	600	600
4	ø6	5	120	600	600
5	ø6	5	120	600	600
6	ø6	5	120	600	600
7	ø6	5	120	600	600
8	ø6	5	120	600	600
9	ø6	5	120	600	600
10	ø6	5	120	600	600
11	ø6	5	120	600	600
12	ø6	5	120	600	600
13	ø6	5	120	600	600
14	ø6	5	120	600	600
15	ø6	5	120	600	600
16	ø6	5	120	600	600
17	ø6	5	120	600	600
18	ø6	5	120	600	600
19	ø6	5	120	600	600
20	ø6	5	120	600	600
21	ø6	5	120	600	600
22	ø6	5	120	600	600
23	ø6	5	120	600	600
24	ø6	5	120	600	600
25	ø6	5	120	600	600
26	ø6	5	120	600	600
27	ø6	5	120	600	600
28	ø6	5	120	600	600
29	ø6	5	120	600	600
30	ø6	5	120	600	600
31	ø6	5	120	600	600
32	ø6	5	120	600	600
33	ø6	5	120	600	600
34	ø6	5	120	600	600
35	ø6	5	120	600	600
36	ø6	5	120	600	600
37	ø6	5	120	600	600
38	ø6	5	120	600	600
39	ø6	5	120	600	600
40	ø6	5	120	600	600
41	ø6	5	120	600	600
42	ø6	5	120	600	600
43	ø6	5	120	600	600
44	ø6	5	120	600	600

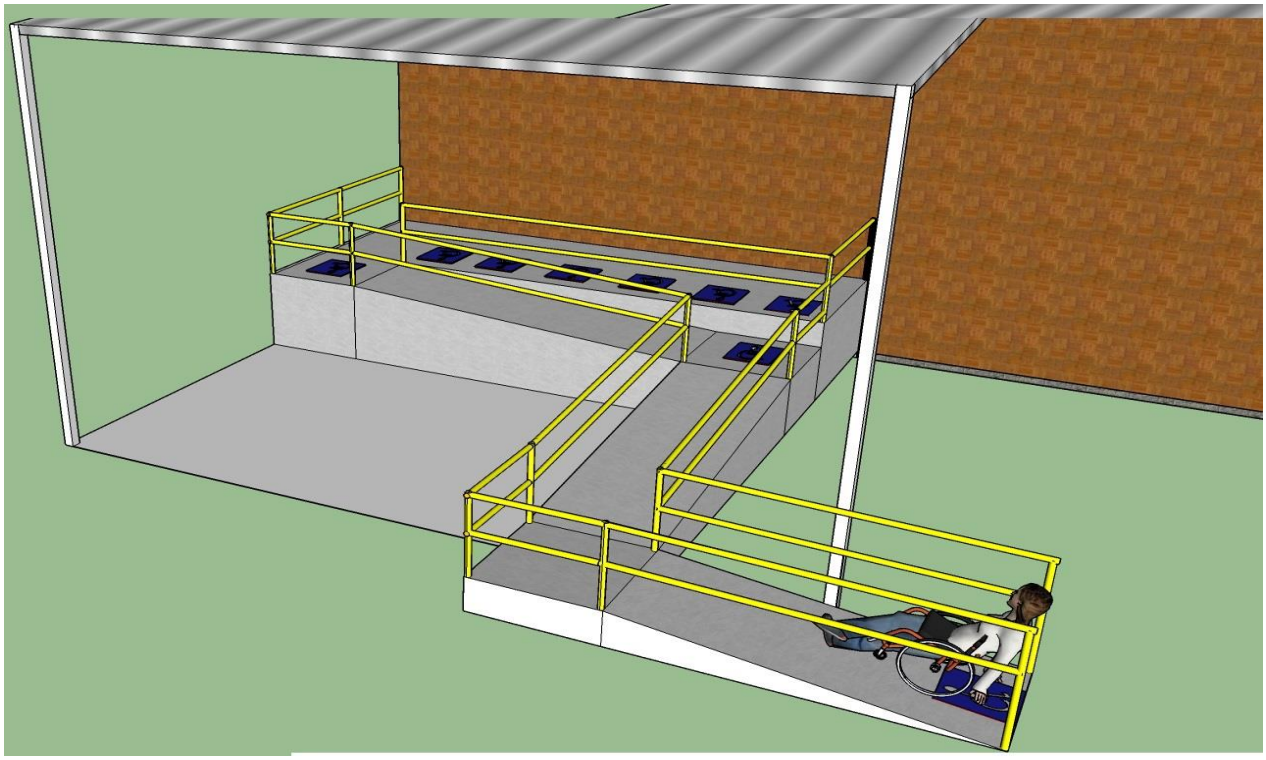
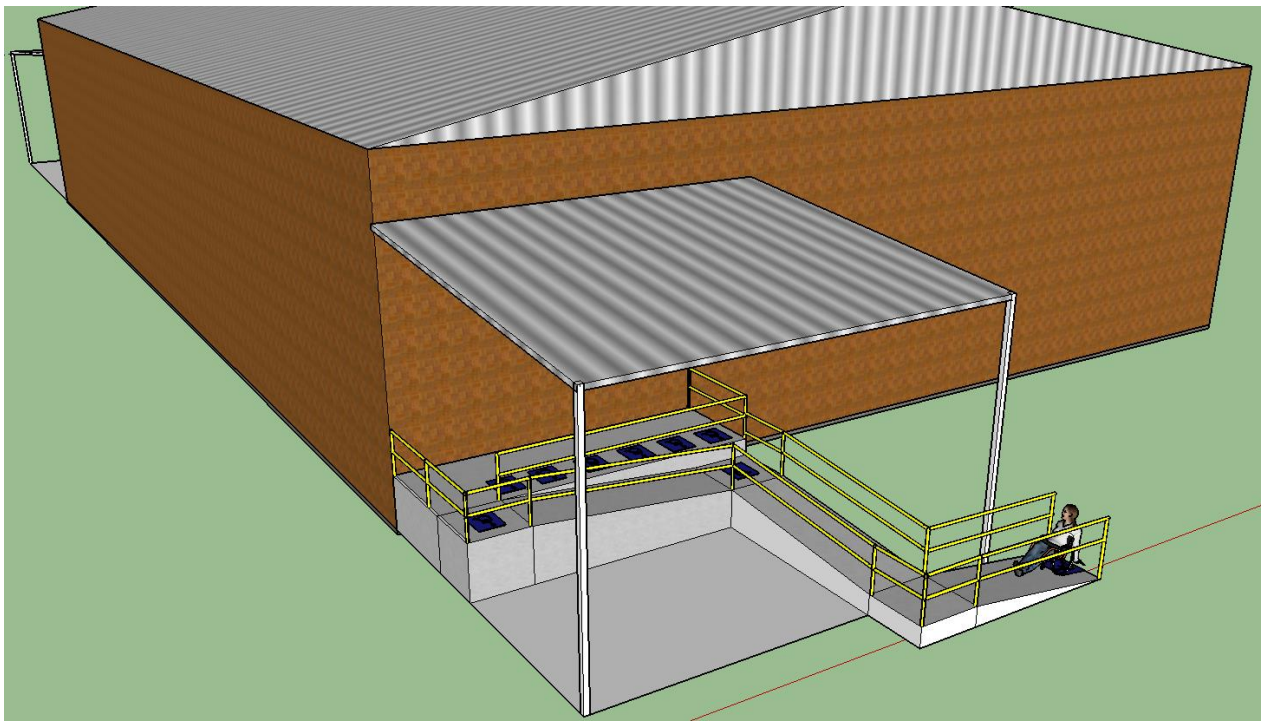
Resumen Acero Columnas		Long. total (m)	Peso+10% (kg)	Total
ADN 420	Ø6	1537.6	376	
	Ø12	2052.6	2005	2381

Plano	Dimensiones (cm)	Hormigon		Acero ADN 420			
		Vol. H-30 Desperdicio: 2 cm		Longitudinal Pulg	Estribos Pulg	Total Pulg	Total Kg
		Desperdicio (cm)	Total (m3)				
ENCADENADO +1.7	30x30	0.00	0.00	32.0	0.0	32.0	19.68
ENCADENADO +0.55		0.00	0.00	32.0	0.0	32.0	19.68
Total (m3)		0.00	0.00	64.0	0.0	64.0	39.36

Resumen Acero Columnas		Long. total (m)	Peso+10% (kg)	Total
ADN 420	Ø6	1537.6	376	
	Ø12	2052.6	2005	2381

Plano	Dimensiones (cm)	Hormigon		Acero ADN 420			
		Vol. H-30 Desperdicio: 2 cm		Longitudinal Pulg	Estribos Pulg	Total Pulg	Total Kg
		Desperdicio (cm)	Total (m3)				
ENCADENADO +1.7	30x30	0.00	0.00	32.0	0.0	32.0	19.68
ENCADENADO +0.55		0.00	0.00	32.0	0.0	32.0	19.68
Total (m3)		0.00	0.00	64.0	0.0	64.0	39.36



DESPIESE DE PILARES

PERSPECTIVA DE RAMPA INCLUSIVA. PENDIENTE DE 10 %