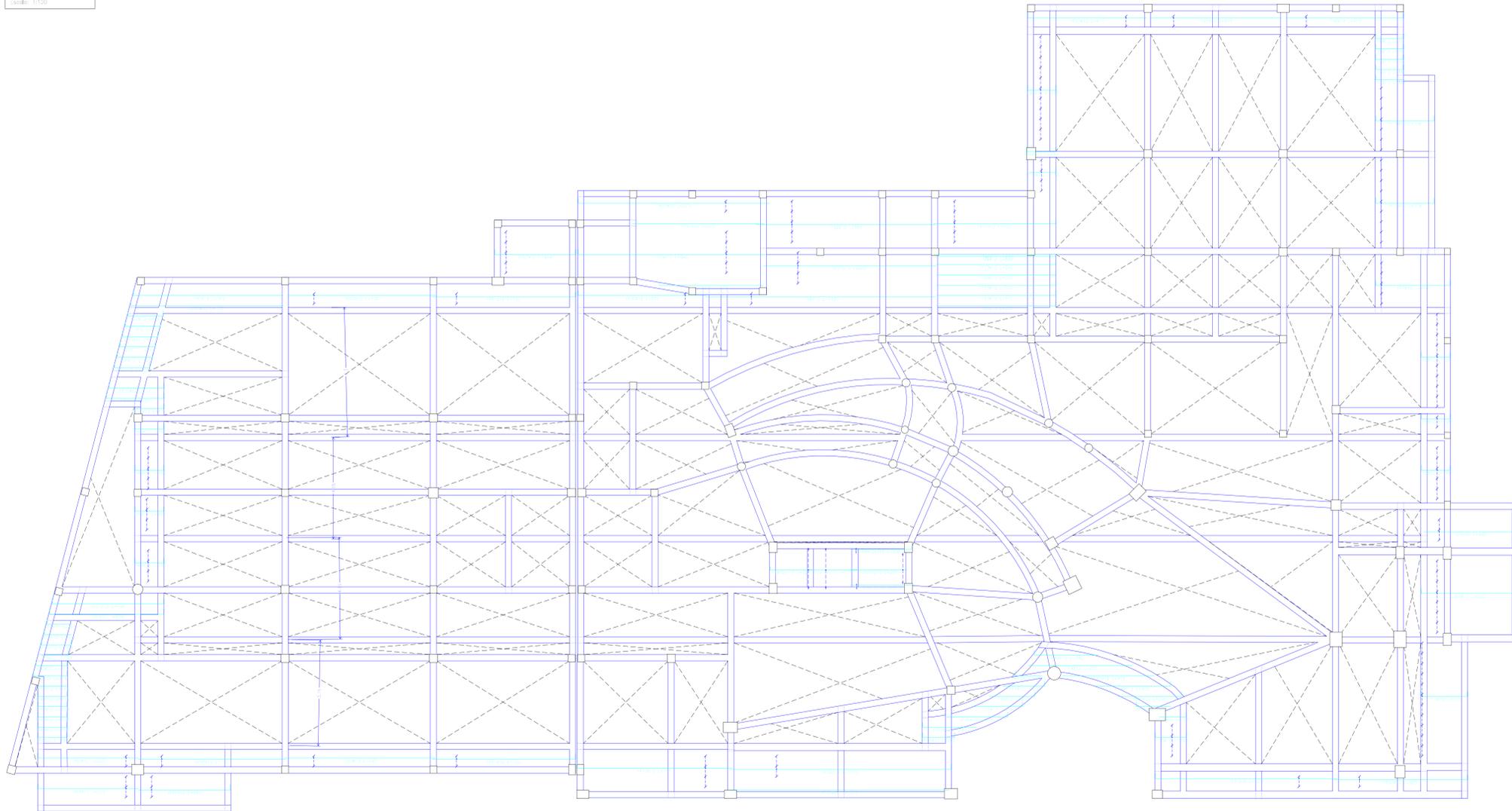


CUBIERTA
 Armadura longitudinal interior
 Homogen. H=25
 A=4000
 Escala: 1:100



Elemento	Pos.	Dim.	No.	Long.	Perim.	Vol.	Peso
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
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85							
86							
87							
88							
89							
90							
91							
92							
93							
94							
95							
96							
97							
98							
99							
100							

Resumen Acero	Long. total	Peso + 10%
Armadura longitudinal interior	107	100
A4-000	105.1	71
	112	81.8
	29.2	51
		1000

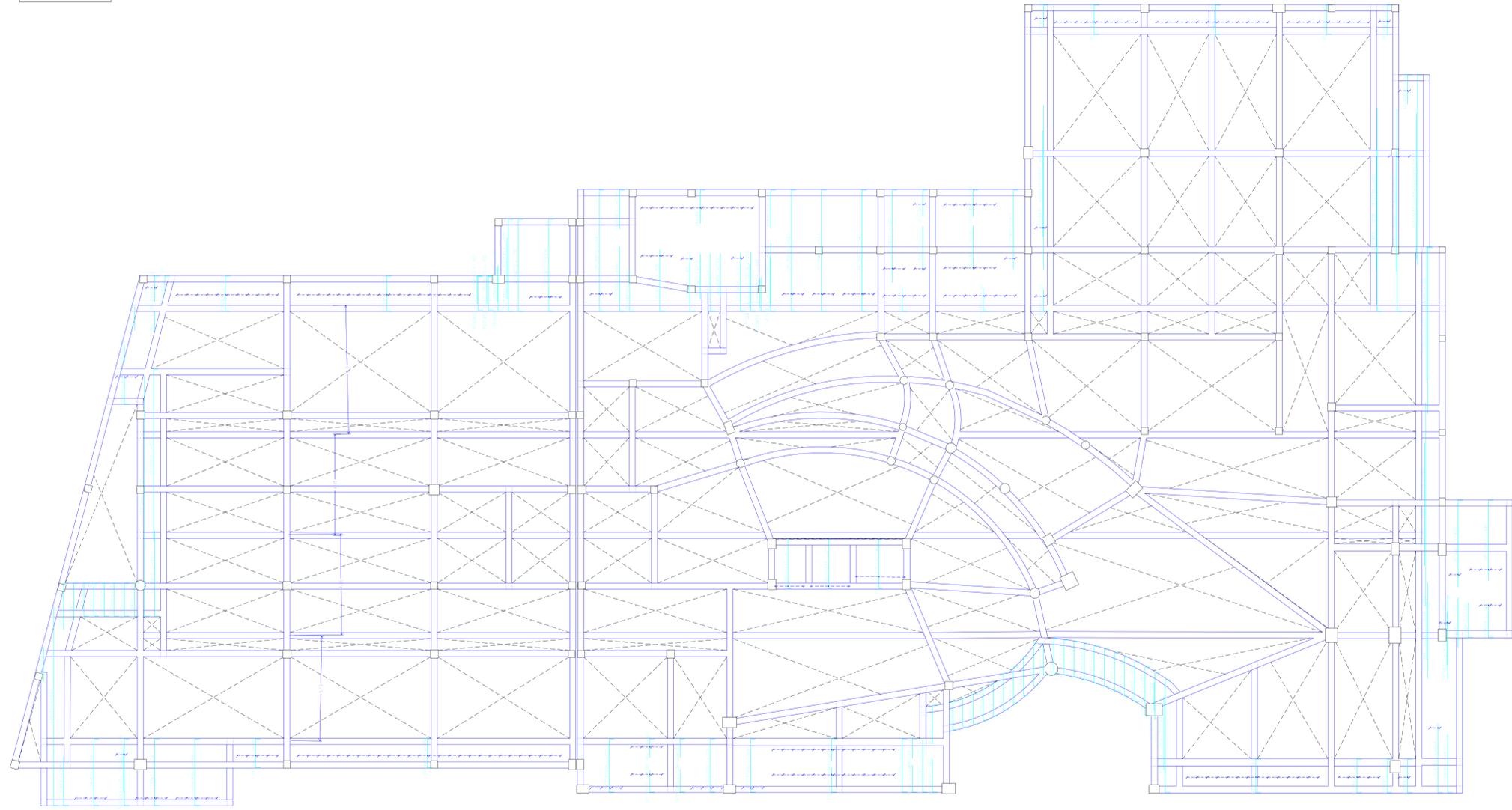
UNIVERSIDAD AUTÓNOMA "JUAN MISAEL SARACHO"
FACULTAD DE CIENCIAS Y TECNOLOGÍA
CARRERA: ING. CIVIL

UBICACION: BARRIO SAN BERNARDO-CERCADO-TARMA
PROYECTO: DISEÑO ESTRUCTURAL INSTITUTO DEPARTAMENTAL DE SALUD MENTAL-TARMA (FASE II)

CARACTER: PLANO DE ARMADURA DE LOSA RETICULAR
ESCALA: INDECAD
LAMINA: 67/73

VoBo **REALIZADO POR:** MERCADO AGUIRE ADONAY **FECHA:** OCTUBRE DE 2023

CUBIERTA
 Armadura transversal superior
 Homólogo: HA-25
 A1=200
 Escala: 1/100



Elemento	Pos.	Edm.	No.	Long. (cm)	Total (cm)	Peso (kg)
1	1	1	1	100	100	0.1
2	1	1	2	100	200	0.2
3	1	1	3	100	300	0.3
4	1	1	4	100	400	0.4
5	1	1	5	100	500	0.5
6	1	1	6	100	600	0.6
7	1	1	7	100	700	0.7
8	1	1	8	100	800	0.8
9	1	1	9	100	900	0.9
10	1	1	10	100	1000	1.0
11	1	1	11	100	1100	1.1
12	1	1	12	100	1200	1.2
13	1	1	13	100	1300	1.3
14	1	1	14	100	1400	1.4
15	1	1	15	100	1500	1.5
16	1	1	16	100	1600	1.6
17	1	1	17	100	1700	1.7
18	1	1	18	100	1800	1.8
19	1	1	19	100	1900	1.9
20	1	1	20	100	2000	2.0
21	1	1	21	100	2100	2.1
22	1	1	22	100	2200	2.2
23	1	1	23	100	2300	2.3
24	1	1	24	100	2400	2.4
25	1	1	25	100	2500	2.5
26	1	1	26	100	2600	2.6
27	1	1	27	100	2700	2.7
28	1	1	28	100	2800	2.8
29	1	1	29	100	2900	2.9
30	1	1	30	100	3000	3.0
31	1	1	31	100	3100	3.1
32	1	1	32	100	3200	3.2
33	1	1	33	100	3300	3.3
34	1	1	34	100	3400	3.4
35	1	1	35	100	3500	3.5
36	1	1	36	100	3600	3.6
37	1	1	37	100	3700	3.7
38	1	1	38	100	3800	3.8
39	1	1	39	100	3900	3.9
40	1	1	40	100	4000	4.0
41	1	1	41	100	4100	4.1
42	1	1	42	100	4200	4.2
43	1	1	43	100	4300	4.3
44	1	1	44	100	4400	4.4
45	1	1	45	100	4500	4.5
46	1	1	46	100	4600	4.6
47	1	1	47	100	4700	4.7
48	1	1	48	100	4800	4.8
49	1	1	49	100	4900	4.9
50	1	1	50	100	5000	5.0
51	1	1	51	100	5100	5.1
52	1	1	52	100	5200	5.2
53	1	1	53	100	5300	5.3
54	1	1	54	100	5400	5.4
55	1	1	55	100	5500	5.5
56	1	1	56	100	5600	5.6
57	1	1	57	100	5700	5.7
58	1	1	58	100	5800	5.8
59	1	1	59	100	5900	5.9
60	1	1	60	100	6000	6.0
61	1	1	61	100	6100	6.1
62	1	1	62	100	6200	6.2
63	1	1	63	100	6300	6.3
64	1	1	64	100	6400	6.4
65	1	1	65	100	6500	6.5
66	1	1	66	100	6600	6.6
67	1	1	67	100	6700	6.7
68	1	1	68	100	6800	6.8
69	1	1	69	100	6900	6.9
70	1	1	70	100	7000	7.0
71	1	1	71	100	7100	7.1
72	1	1	72	100	7200	7.2
73	1	1	73	100	7300	7.3
74	1	1	74	100	7400	7.4
75	1	1	75	100	7500	7.5
76	1	1	76	100	7600	7.6
77	1	1	77	100	7700	7.7
78	1	1	78	100	7800	7.8
79	1	1	79	100	7900	7.9
80	1	1	80	100	8000	8.0
81	1	1	81	100	8100	8.1
82	1	1	82	100	8200	8.2
83	1	1	83	100	8300	8.3
84	1	1	84	100	8400	8.4
85	1	1	85	100	8500	8.5
86	1	1	86	100	8600	8.6
87	1	1	87	100	8700	8.7
88	1	1	88	100	8800	8.8
89	1	1	89	100	8900	8.9
90	1	1	90	100	9000	9.0
91	1	1	91	100	9100	9.1
92	1	1	92	100	9200	9.2
93	1	1	93	100	9300	9.3
94	1	1	94	100	9400	9.4
95	1	1	95	100	9500	9.5
96	1	1	96	100	9600	9.6
97	1	1	97	100	9700	9.7
98	1	1	98	100	9800	9.8
99	1	1	99	100	9900	9.9
100	1	1	100	100	10000	10.0

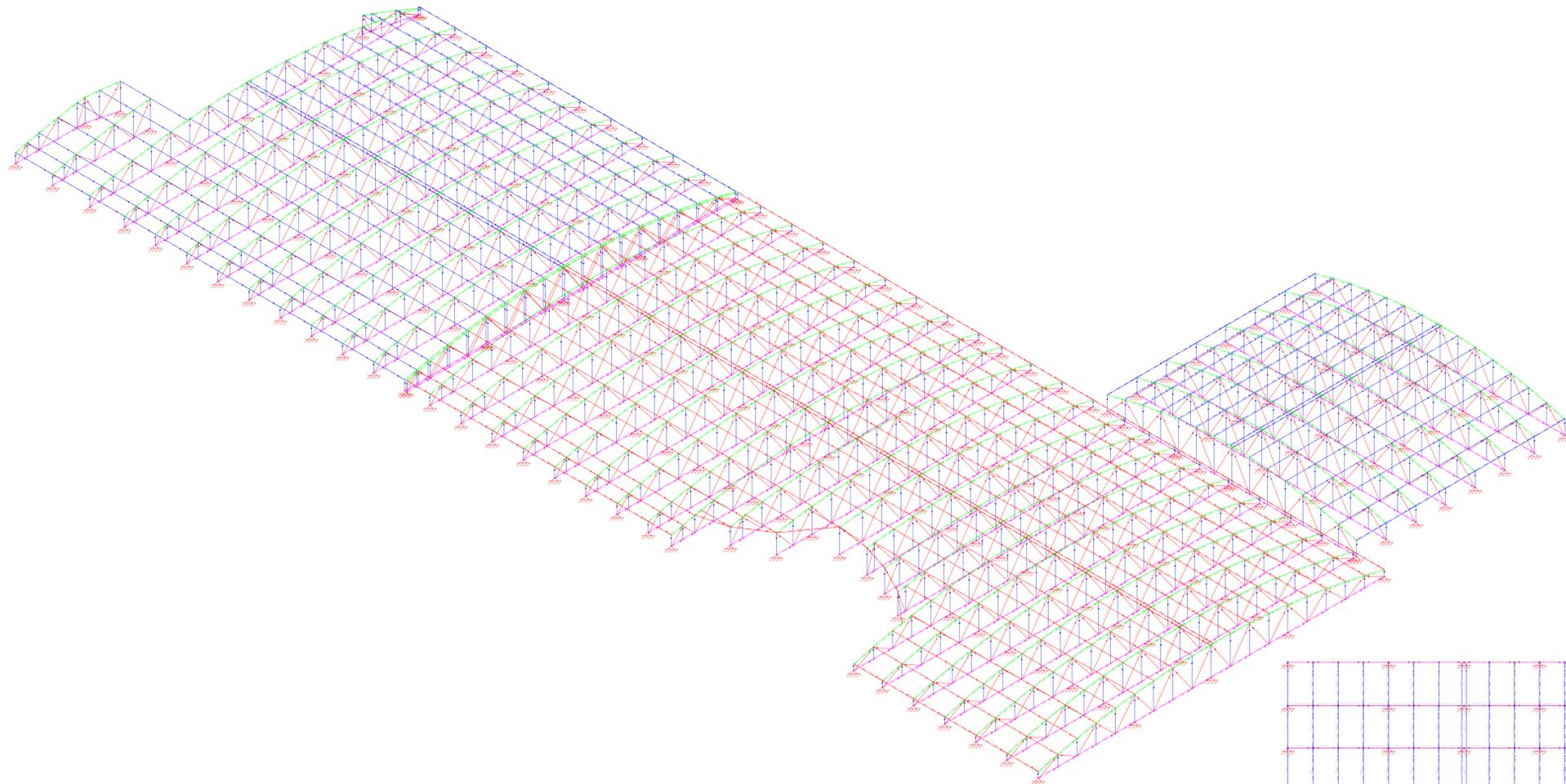
Resumen Acero	Long. total (m)	Peso (kg)	Total
CUBIERTA	170	180	
Armadura transversal superior			
#10	948.7	643	
#12	132.2	190	
#16	18.1	51	924

UNIVERSIDAD AUTÓNOMA "JUAN MISAEL SARACHO"
FACULTAD DE CIENCIAS Y TECNOLOGÍA
CARRERA: ING. CIVIL

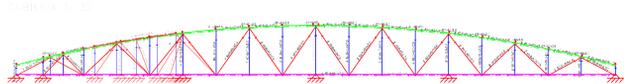
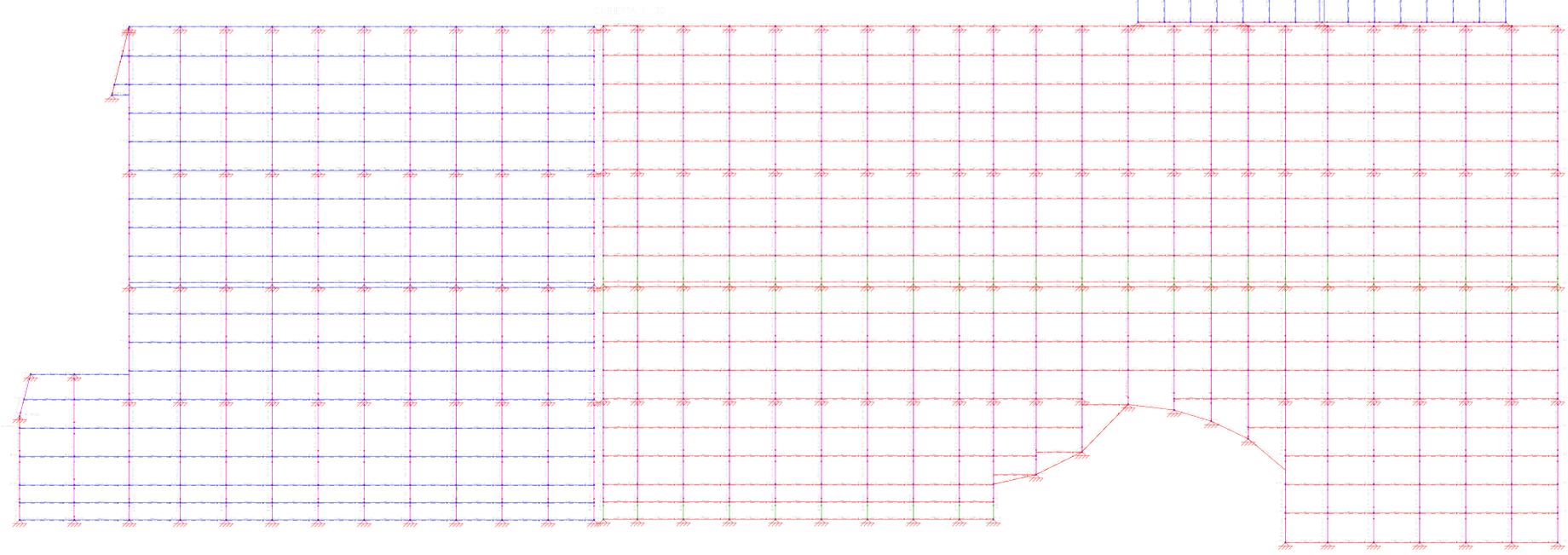
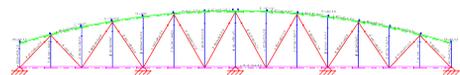
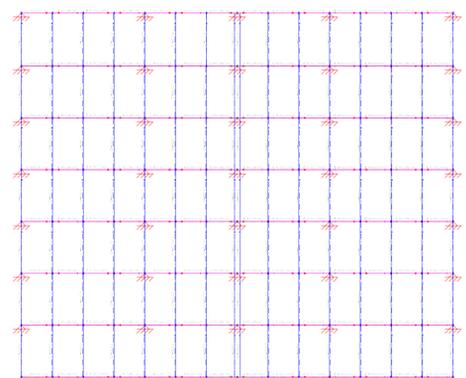
UBICACION: BARRIO SAN BERNARDO-CERCADO-TARMA
PROYECTO: DISEÑO ESTRUCTURAL INSTITUTO DEPARTAMENTAL DE SALUD MENTAL TARMA (FASE II)

CARACTER: PLANO DE ARMADURA DE LOSA RETICULAR
ESCALA: LAMINA INDECADADA
LAMINA: 70/73

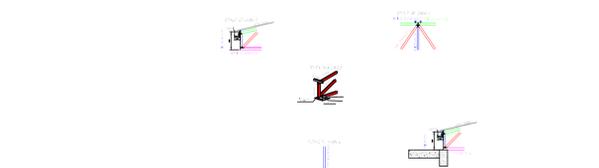
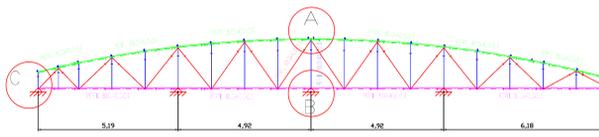
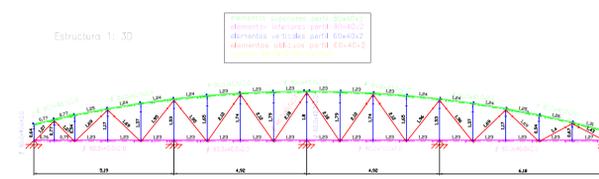
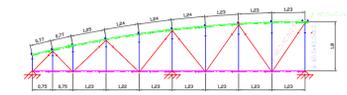
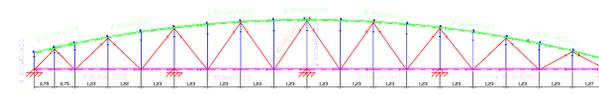
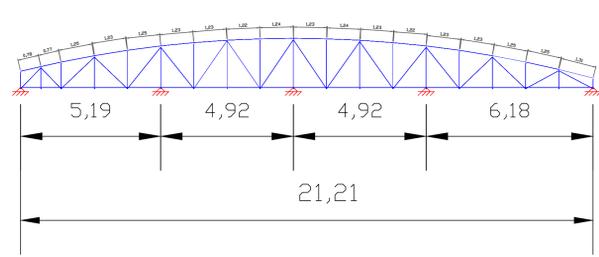
REALIZADO POR: MERCADO AGUIRRE ADONAY
FECHA: OCTUBRE DE 2023



DATOS GENERALES
 CUBIERTA 1
 Tipo de acero conformado: A61 3100-2007 (LRFD)
 Acero conformado: ASTM A 36 36 kg
 Escala: 1:100



UNIVERSIDAD AUTÓNOMA "JUAN MISAEL SARACHO" FACULTAD DE CIENCIAS Y TECNOLOGÍA CARRERA: ING. CIVIL				
UBICACION: BARRIO SAN BERNARDO-CERCADO-TARIMA		PROYECTO: DISEÑO ESTRUCTURAL DEL INSTITUTO DEPARTAMENTAL DE SALUD MENTAL DE TARIMA (FASE II)		
CARACTER: PLANO DE CUBIERTA METALICA		ESCALA: INDICADA	LAMINA: 72/73	
VoBo	REALIZADO POR: MERCADO AGUIBRE ADONAY	FECHA: NOVIEMBRE DE 2023		



Escalera 1

Tramo	Long. (m)	Elementos
Tramo 1	5,19	120
Tramo 2	4,92	120
Tramo 3	4,92	120
Tramo 4	6,18	120

Elemento	Pos.	Dir.	No.	Long. (cm)	Total (kg)
1	1	1	1	120	120
2	1	2	1	120	120
3	1	3	1	120	120
4	1	4	1	120	120
5	1	5	1	120	120
6	1	6	1	120	120
7	1	7	1	120	120
8	1	8	1	120	120
9	1	9	1	120	120
10	1	10	1	120	120
11	1	11	1	120	120
12	1	12	1	120	120
13	1	13	1	120	120
14	1	14	1	120	120
15	1	15	1	120	120
16	1	16	1	120	120
17	1	17	1	120	120
18	1	18	1	120	120
19	1	19	1	120	120
20	1	20	1	120	120
21	1	21	1	120	120
22	1	22	1	120	120
23	1	23	1	120	120
24	1	24	1	120	120
25	1	25	1	120	120
26	1	26	1	120	120
27	1	27	1	120	120
28	1	28	1	120	120
29	1	29	1	120	120
30	1	30	1	120	120
31	1	31	1	120	120
32	1	32	1	120	120
33	1	33	1	120	120
34	1	34	1	120	120
35	1	35	1	120	120
36	1	36	1	120	120
37	1	37	1	120	120
38	1	38	1	120	120
39	1	39	1	120	120
40	1	40	1	120	120
41	1	41	1	120	120
42	1	42	1	120	120
43	1	43	1	120	120
44	1	44	1	120	120
45	1	45	1	120	120
46	1	46	1	120	120
47	1	47	1	120	120
48	1	48	1	120	120
49	1	49	1	120	120
50	1	50	1	120	120
51	1	51	1	120	120
52	1	52	1	120	120
53	1	53	1	120	120
54	1	54	1	120	120
55	1	55	1	120	120
56	1	56	1	120	120
57	1	57	1	120	120
58	1	58	1	120	120
59	1	59	1	120	120
60	1	60	1	120	120
61	1	61	1	120	120
62	1	62	1	120	120
63	1	63	1	120	120
64	1	64	1	120	120
65	1	65	1	120	120
66	1	66	1	120	120
67	1	67	1	120	120
68	1	68	1	120	120
69	1	69	1	120	120
70	1	70	1	120	120
71	1	71	1	120	120
72	1	72	1	120	120
73	1	73	1	120	120
74	1	74	1	120	120
75	1	75	1	120	120
76	1	76	1	120	120
77	1	77	1	120	120
78	1	78	1	120	120
79	1	79	1	120	120
80	1	80	1	120	120
81	1	81	1	120	120
82	1	82	1	120	120
83	1	83	1	120	120
84	1	84	1	120	120
85	1	85	1	120	120
86	1	86	1	120	120
87	1	87	1	120	120
88	1	88	1	120	120
89	1	89	1	120	120
90	1	90	1	120	120
91	1	91	1	120	120
92	1	92	1	120	120
93	1	93	1	120	120
94	1	94	1	120	120
95	1	95	1	120	120
96	1	96	1	120	120
97	1	97	1	120	120
98	1	98	1	120	120
99	1	99	1	120	120
100	1	100	1	120	120

Resumen Acero Escalera 1

Elemento	Long. total (m)	Peso + 10% (kg)	Total
#16	248,4	58	

Escala 1:100

Escalera 2

Tramo	Long. (m)	Elementos
Tramo 1	5,19	120
Tramo 2	4,92	120
Tramo 3	4,92	120
Tramo 4	6,18	120

Elemento	Pos.	Dir.	No.	Long. (cm)	Total (kg)
1	1	1	1	120	120
2	1	2	1	120	120
3	1	3	1	120	120
4	1	4	1	120	120
5	1	5	1	120	120
6	1	6	1	120	120
7	1	7	1	120	120
8	1	8	1	120	120
9	1	9	1	120	120
10	1	10	1	120	120
11	1	11	1	120	120
12	1	12	1	120	120
13	1	13	1	120	120
14	1	14	1	120	120
15	1	15	1	120	120
16	1	16	1	120	120
17	1	17	1	120	120
18	1	18	1	120	120
19	1	19	1	120	120
20	1	20	1	120	120
21	1	21	1	120	120
22	1	22	1	120	120
23	1	23	1	120	120
24	1	24	1	120	120
25	1	25	1	120	120
26	1	26	1	120	120
27	1	27	1	120	120
28	1	28	1	120	120
29	1	29	1	120	120
30	1	30	1	120	120
31	1	31	1	120	120
32	1	32	1	120	120
33	1	33	1	120	120
34	1	34	1	120	120
35	1	35	1	120	120
36	1	36	1	120	120
37	1	37	1	120	120
38	1	38	1	120	120
39	1	39	1	120	120
40	1	40	1	120	120
41	1	41	1	120	120
42	1	42	1	120	120
43	1	43	1	120	120
44	1	44	1	120	120
45	1	45	1	120	120
46	1	46	1	120	120
47	1	47	1	120	120
48	1	48	1	120	120
49	1	49	1	120	120
50	1	50	1	120	120
51	1	51	1	120	120
52	1	52	1	120	120
53	1	53	1	120	120
54	1	54	1	120	120
55	1	55	1	120	120
56	1	56	1	120	120
57	1	57	1	120	120
58	1	58	1	120	120
59	1	59	1	120	120
60	1	60	1	120	120
61	1	61	1	120	120
62	1	62	1	120	120
63	1	63	1	120	120
64	1	64	1	120	120
65	1	65	1	120	120
66	1	66	1	120	120
67	1	67	1	120	120
68	1	68	1	120	120
69	1	69	1	120	120
70	1	70	1	120	120
71	1	71	1	120	120
72	1	72	1	120	120
73	1	73	1	120	120
74	1	74	1	120	120
75	1	75	1	120	120
76	1	76	1	120	120
77	1	77	1	120	120
78	1	78	1	120	120
79	1	79	1	120	120
80	1	80	1	120	120
81	1	81	1	120	120
82	1	82	1	120	120
83	1	83	1	120	120
84	1	84	1	120	120
85	1	85	1	120	120
86	1	86	1	120	120
87	1	87	1	120	120
88	1	88	1	120	120
89	1	89	1	120	120
90	1	90	1	120	120
91	1	91	1	120	120
92	1	92	1	120	120
93	1	93	1	120	120
94	1	94	1	120	120
95	1	95	1	120	120
96	1	96	1	120	120
97	1	97	1	120	120
98	1	98	1	120	120
99	1	99	1	120	120
100	1	100	1	120	120

Resumen Acero Escalera 2

Elemento	Long. total (m)	Peso + 10% (kg)	Total
#16	584,8	108,6	

Escala 1:100

Escalera 3

Tramo	Long. (m)	Elementos
Tramo 1	5,19	120
Tramo 2	4,92	120
Tramo 3	4,92	120
Tramo 4	6,18	120

Elemento	Pos.	Dir.	No.	Long. (cm)	Total (kg)
1	1	1	1	120	120
2	1	2	1	120	120
3	1	3	1	120	120
4	1	4	1	120	120
5	1	5	1	120	120
6	1	6	1	120	120
7	1	7	1	120	120
8	1	8	1	120	120
9	1	9	1	120	120
10	1	10	1	120	120
11	1	11	1	120	120
12	1	12	1	120	120
13	1	13	1	120	120
14	1	14	1	120	120
15	1	15	1	120	120
16	1	16	1	120	120
17	1	17	1	120	120
18	1	18	1	120	120
19	1	19	1	120	120
20	1	20	1	120	120
21	1	21	1	120	120
22	1	22	1	120	120
23	1	23	1		