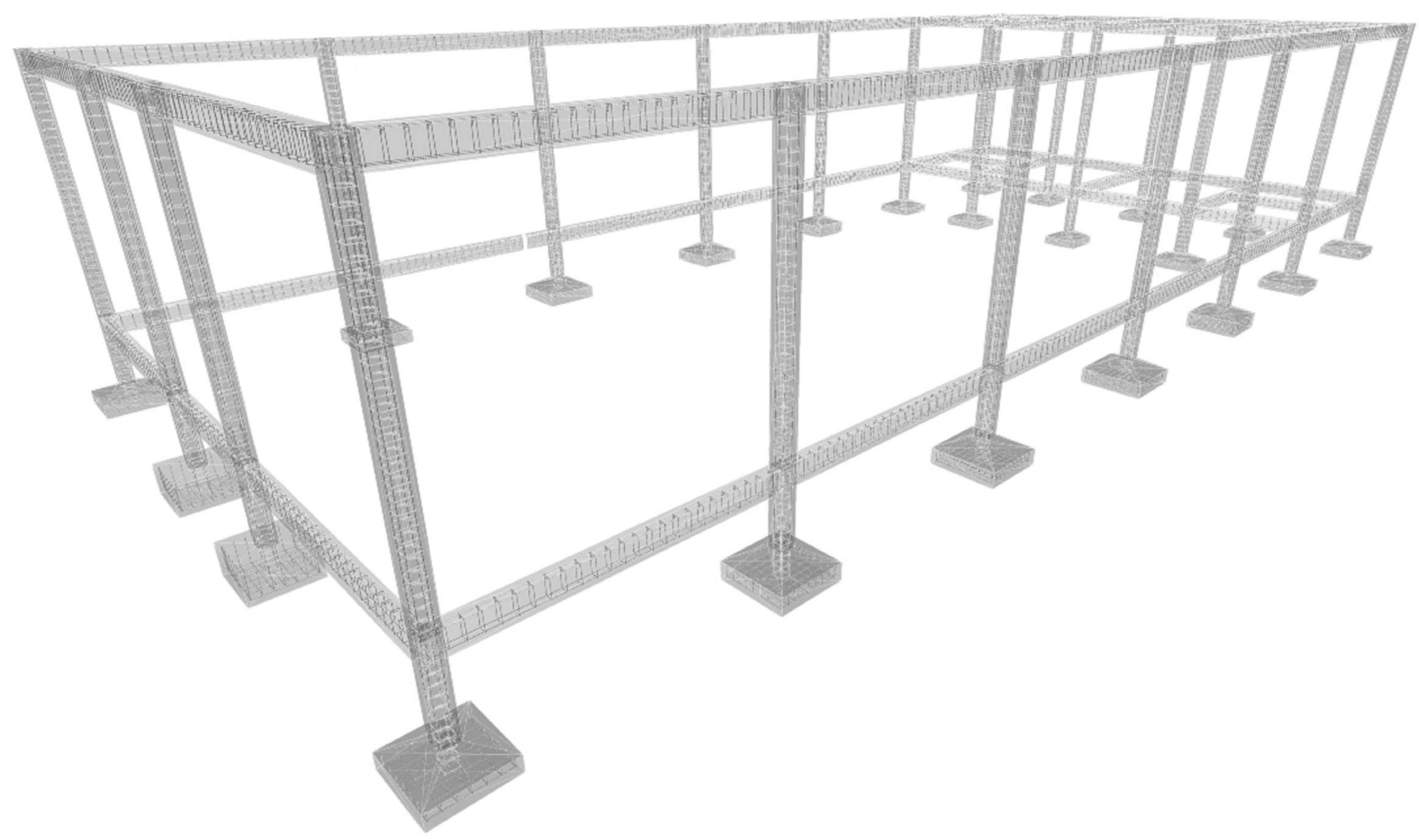
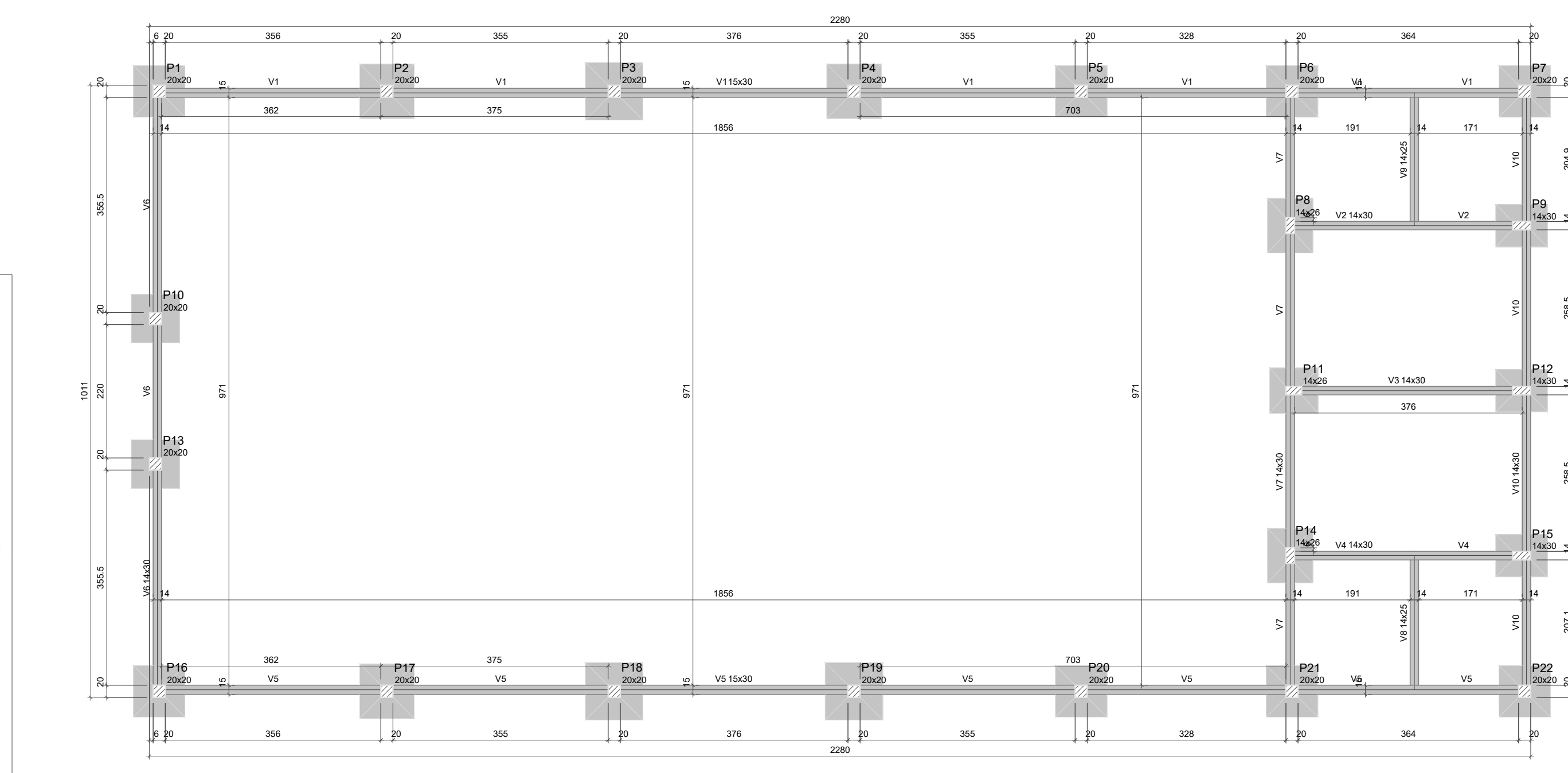
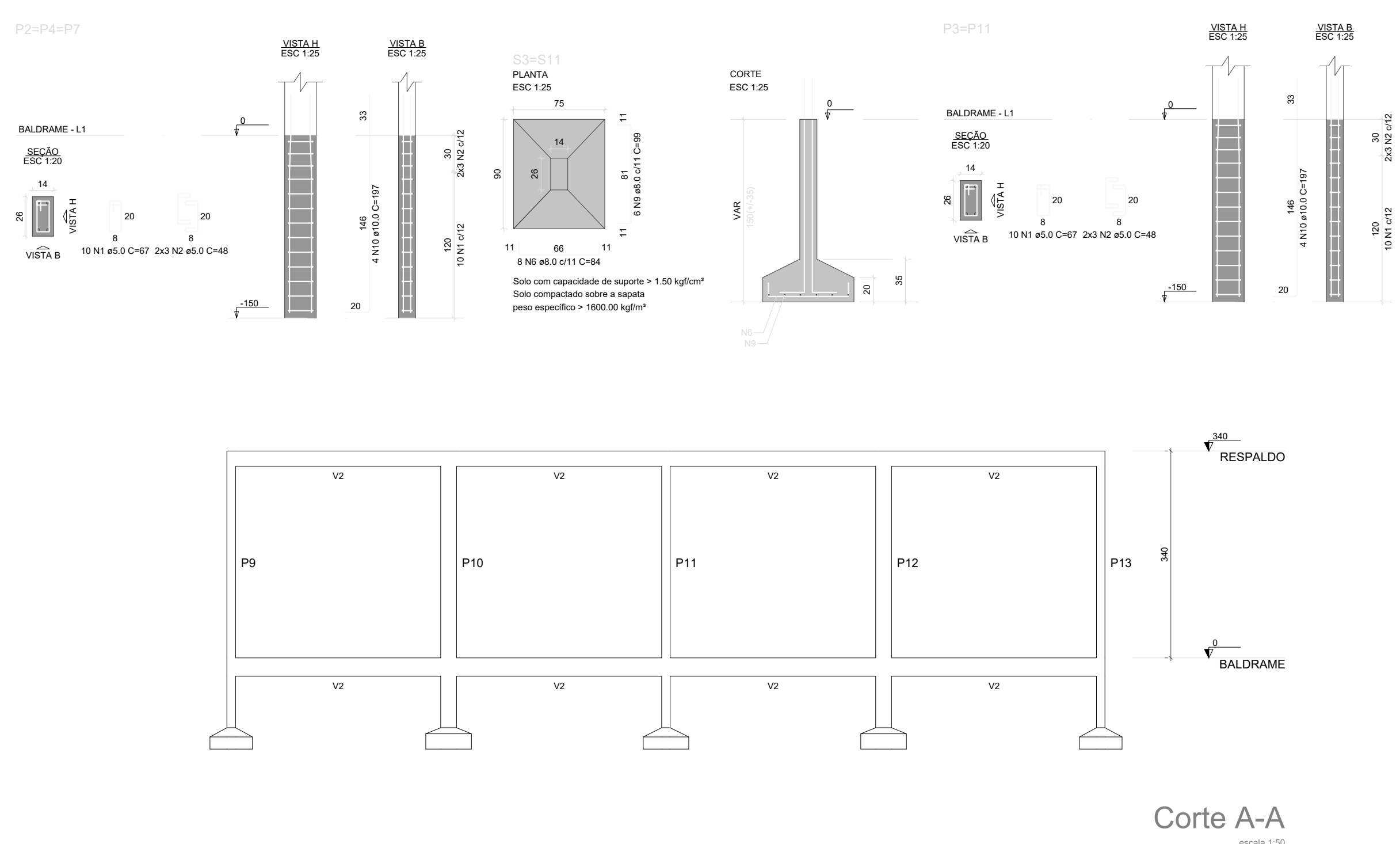
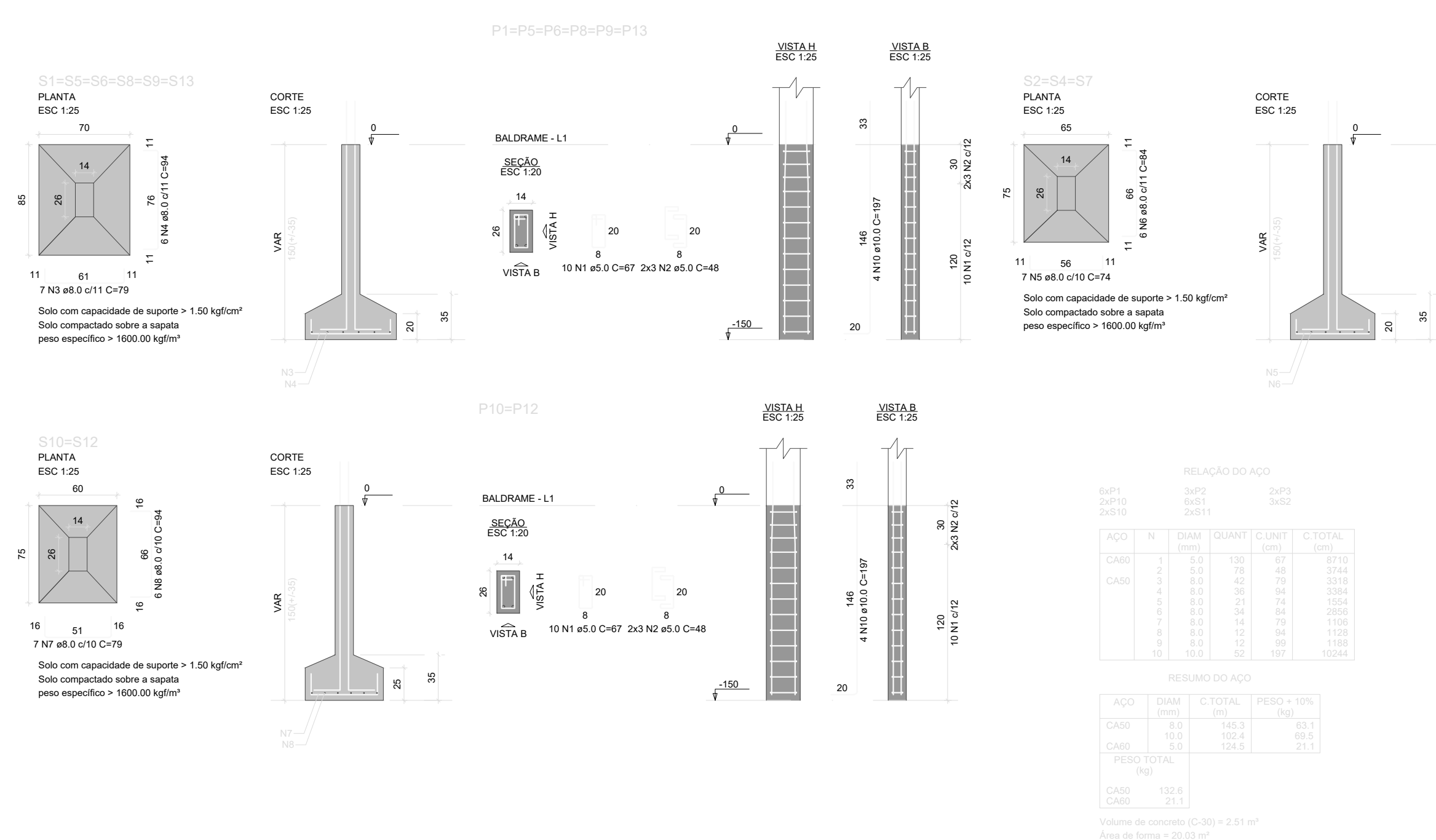
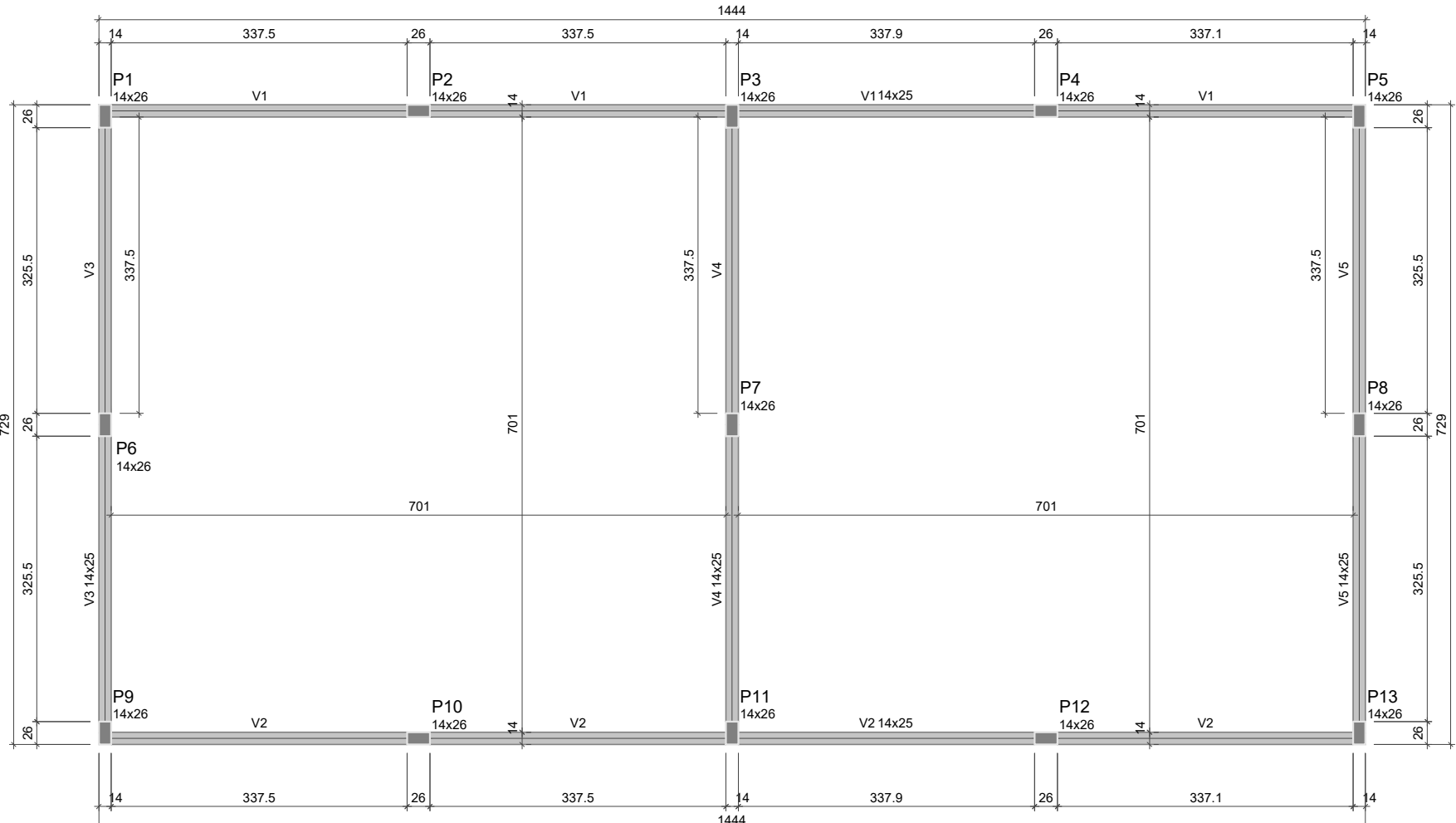
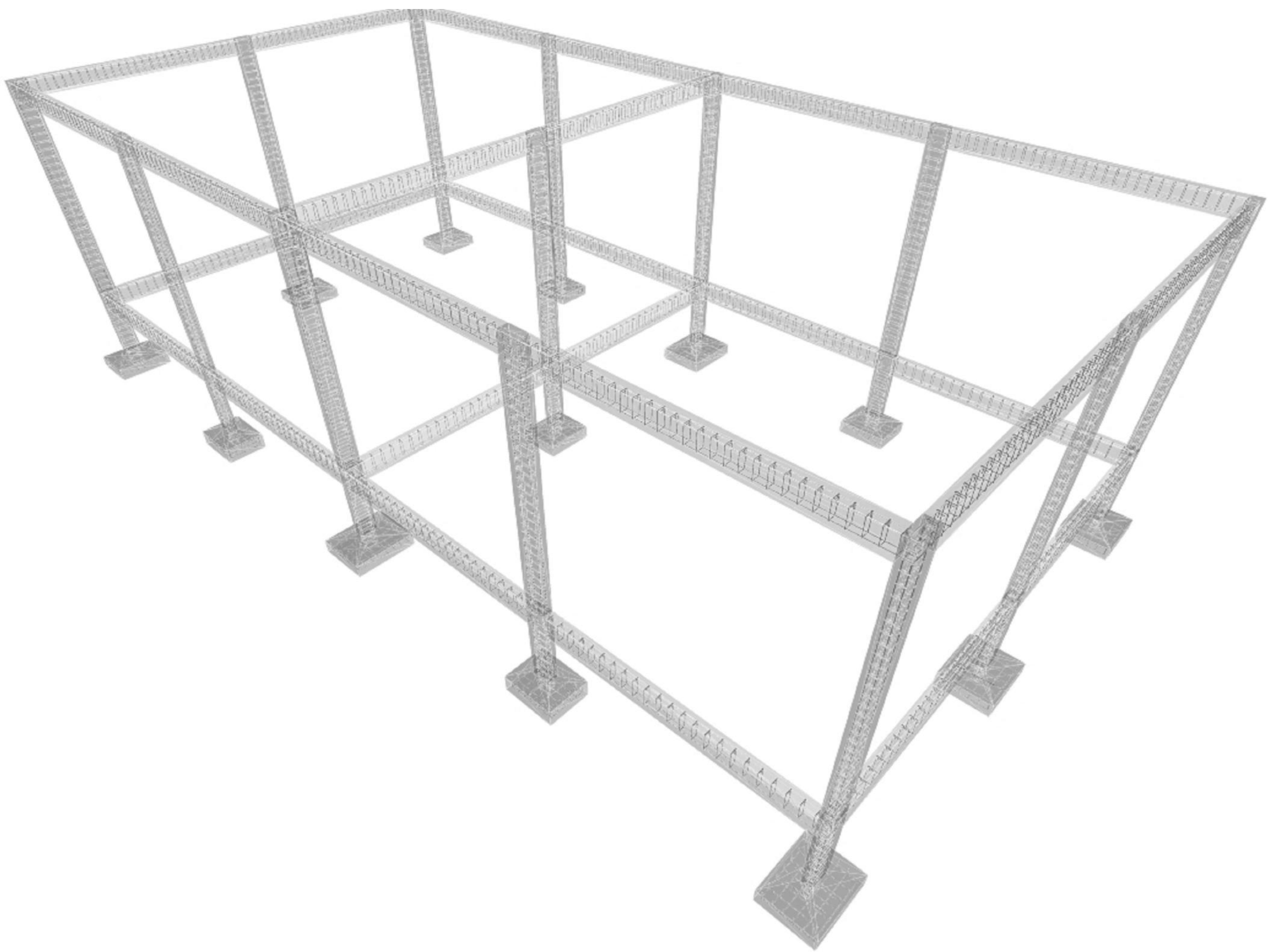


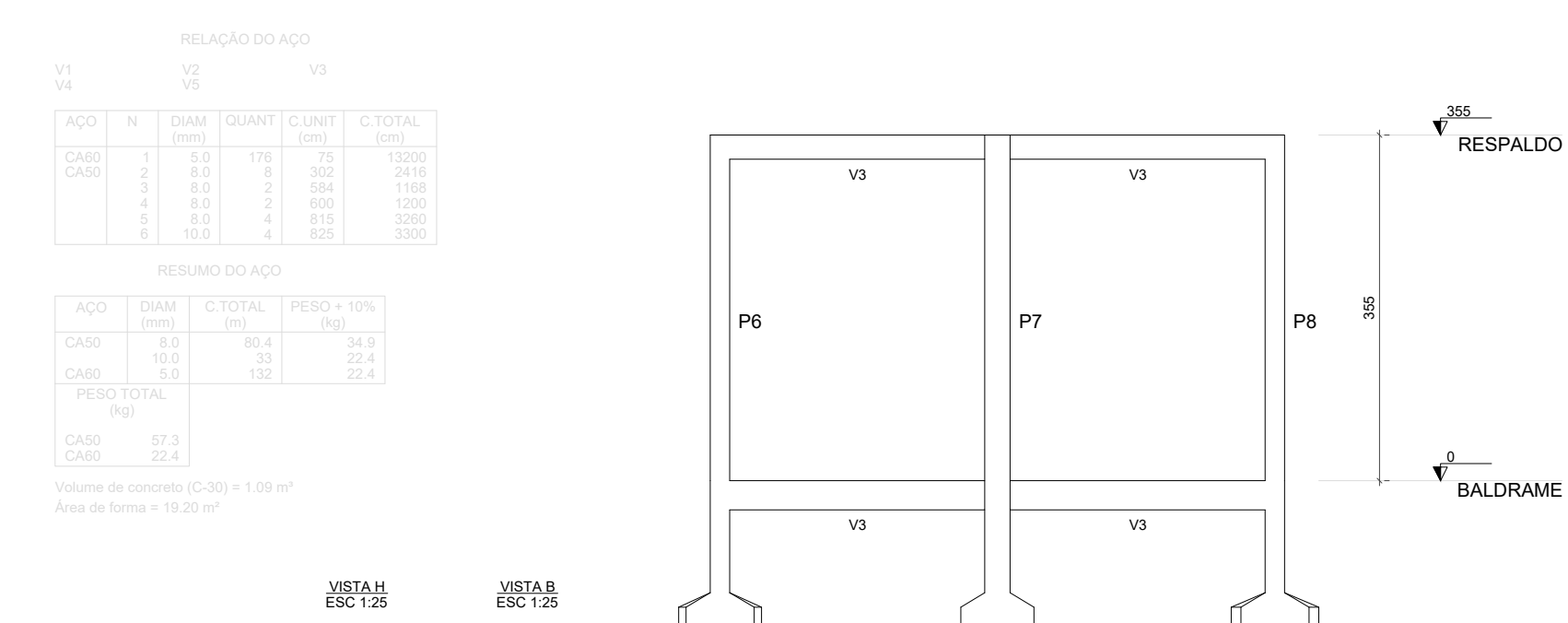
[illegible][illegible]



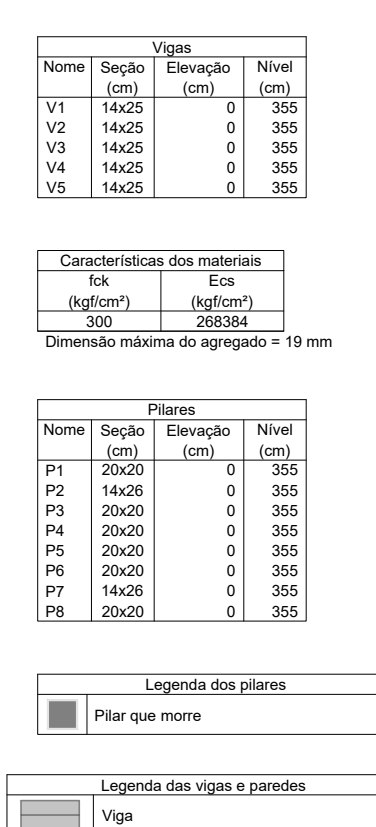
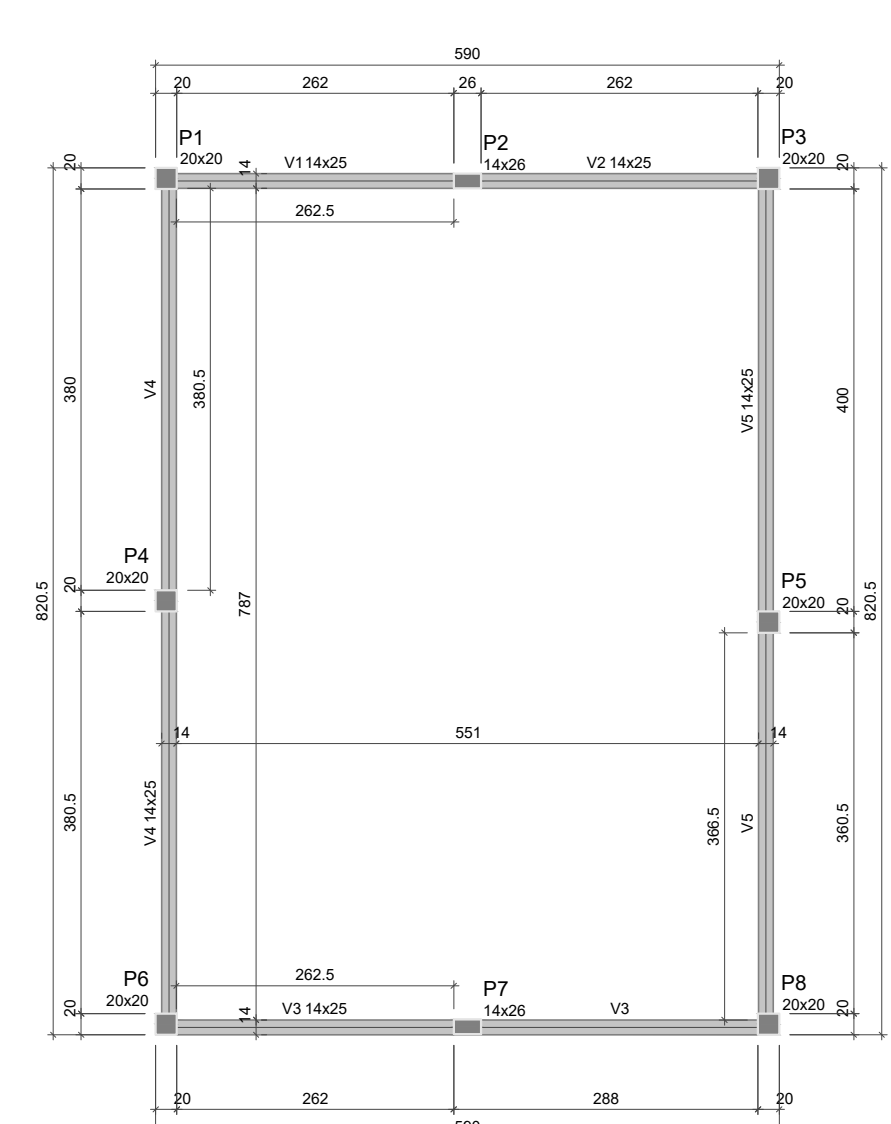
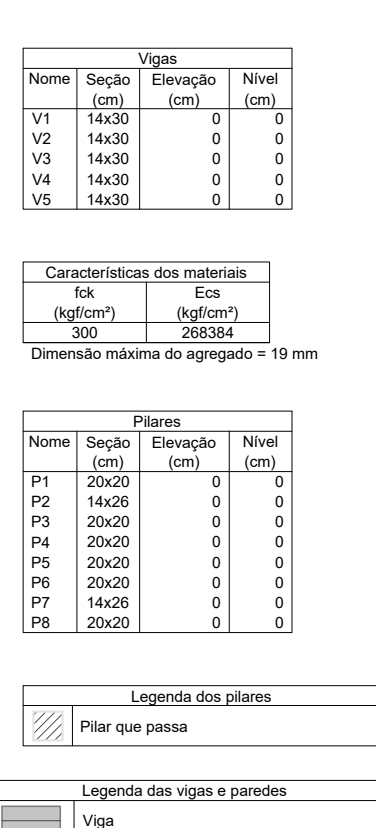
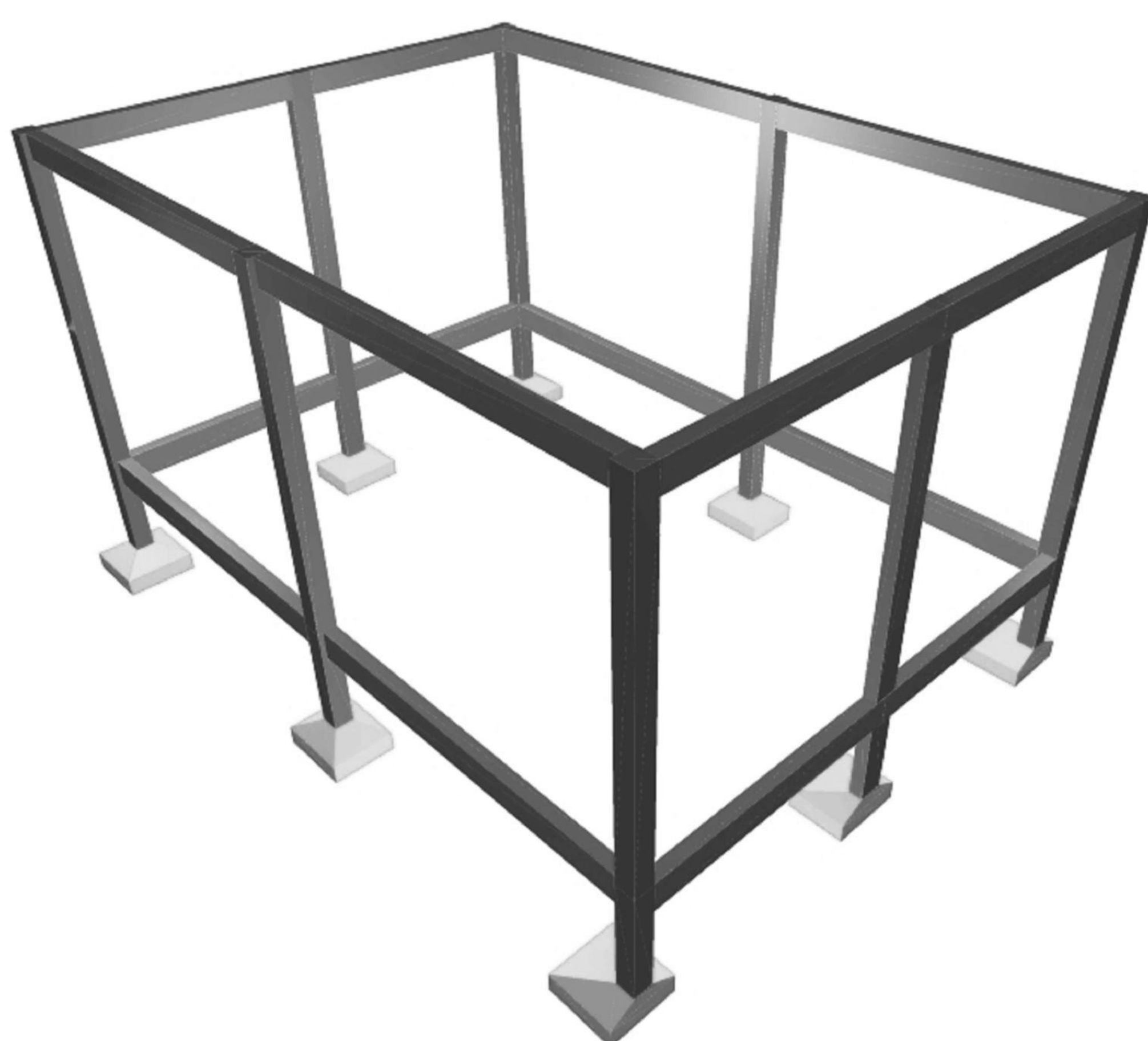
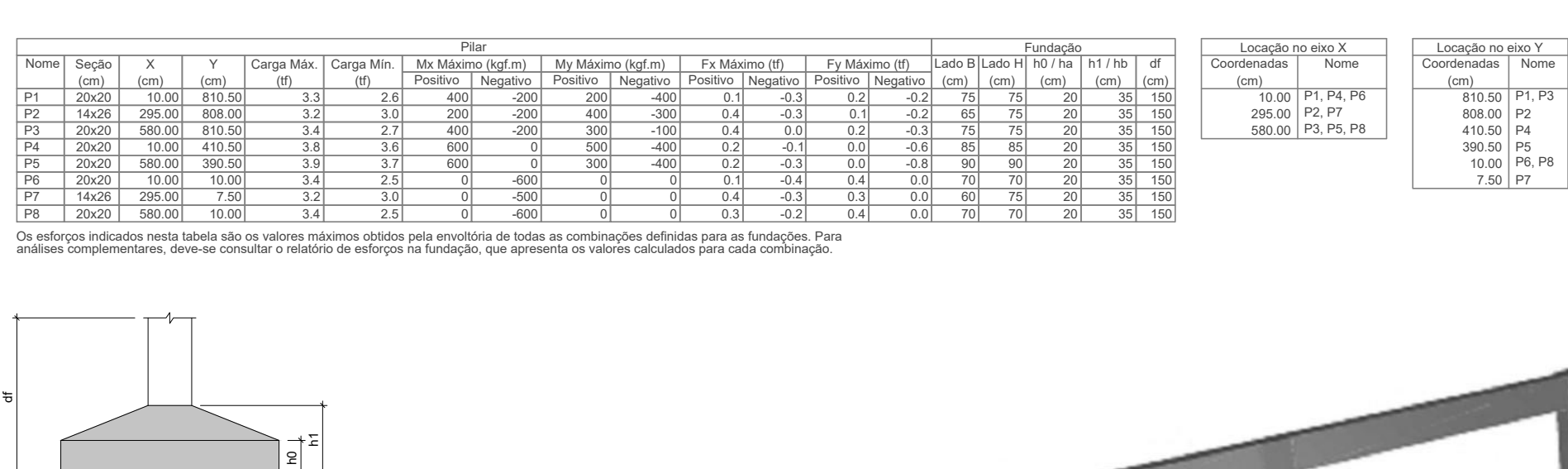
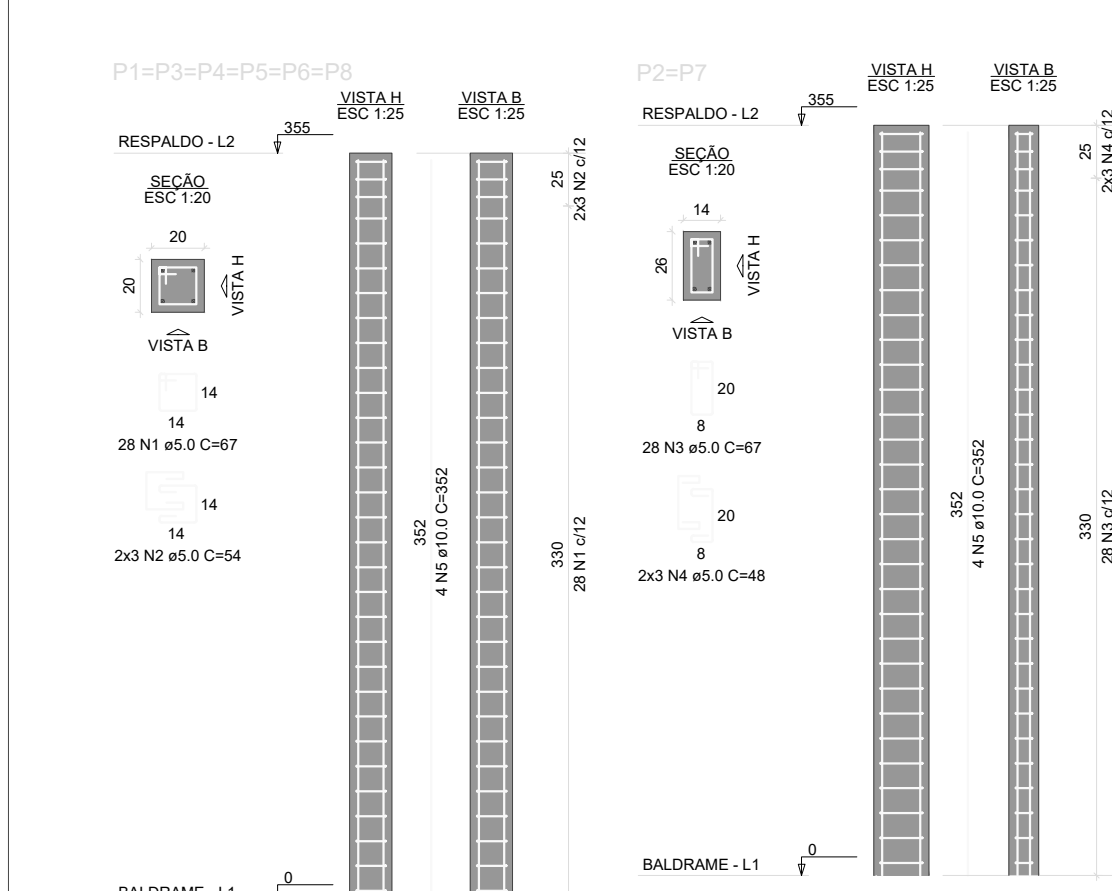


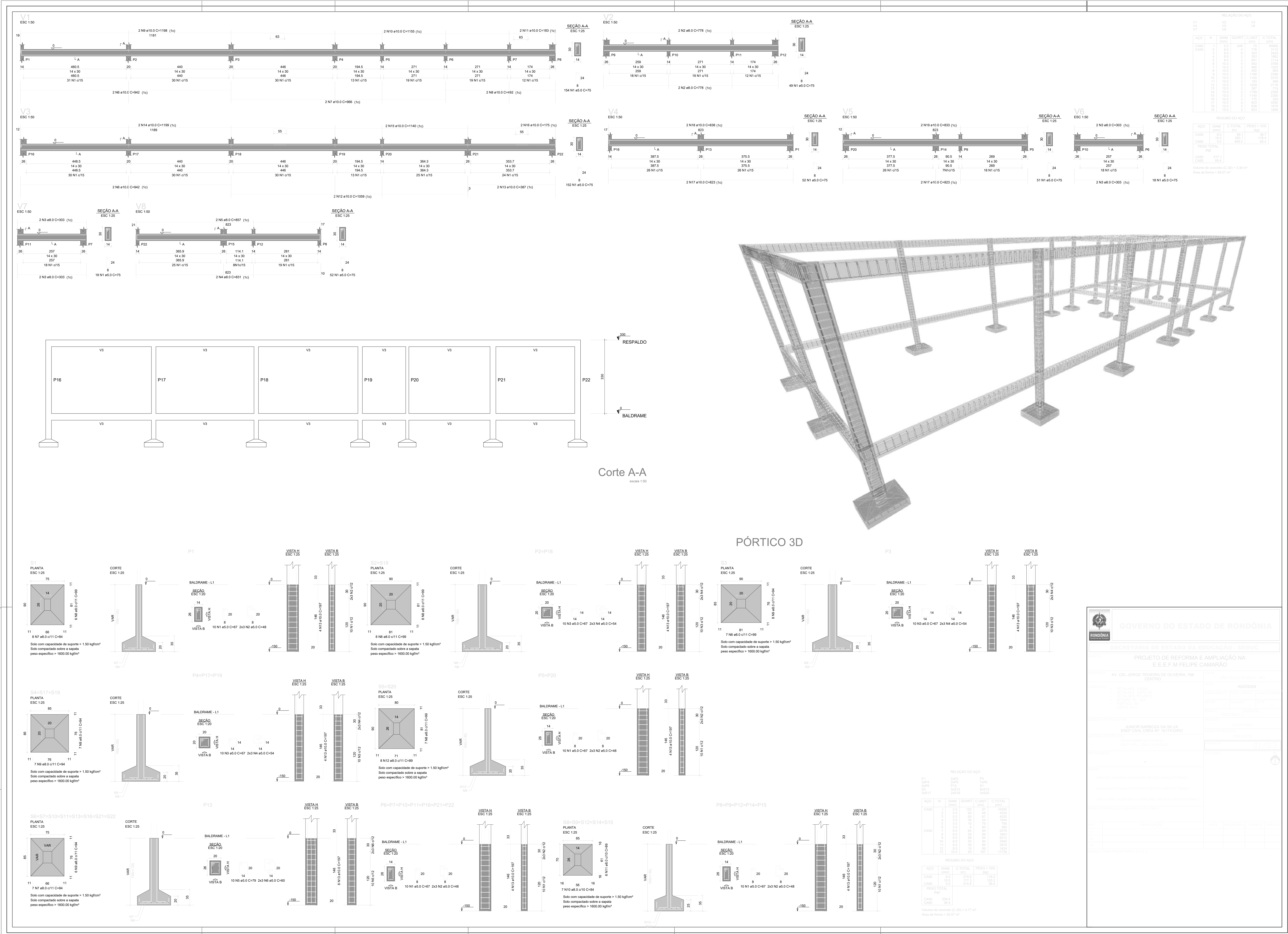
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[illegible]

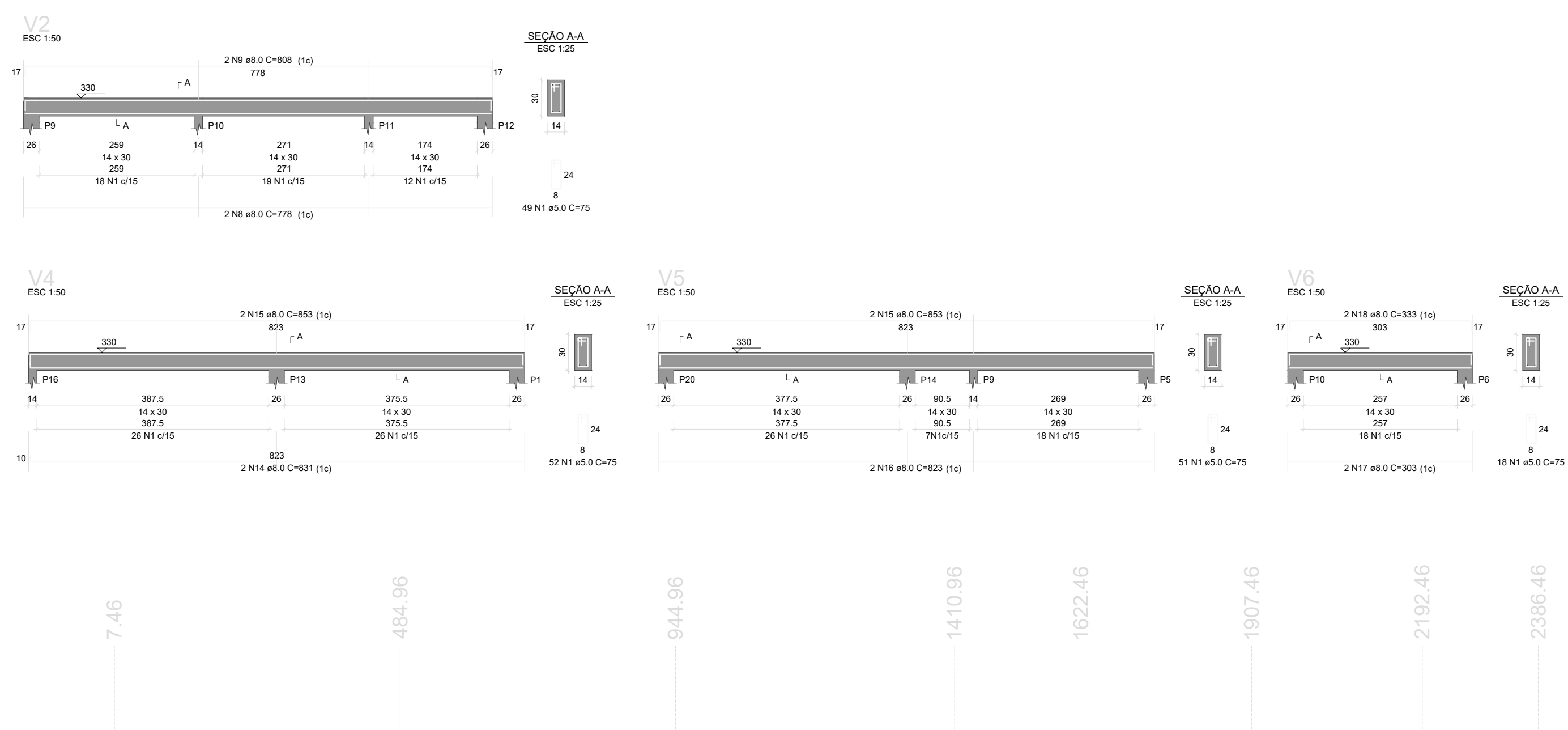
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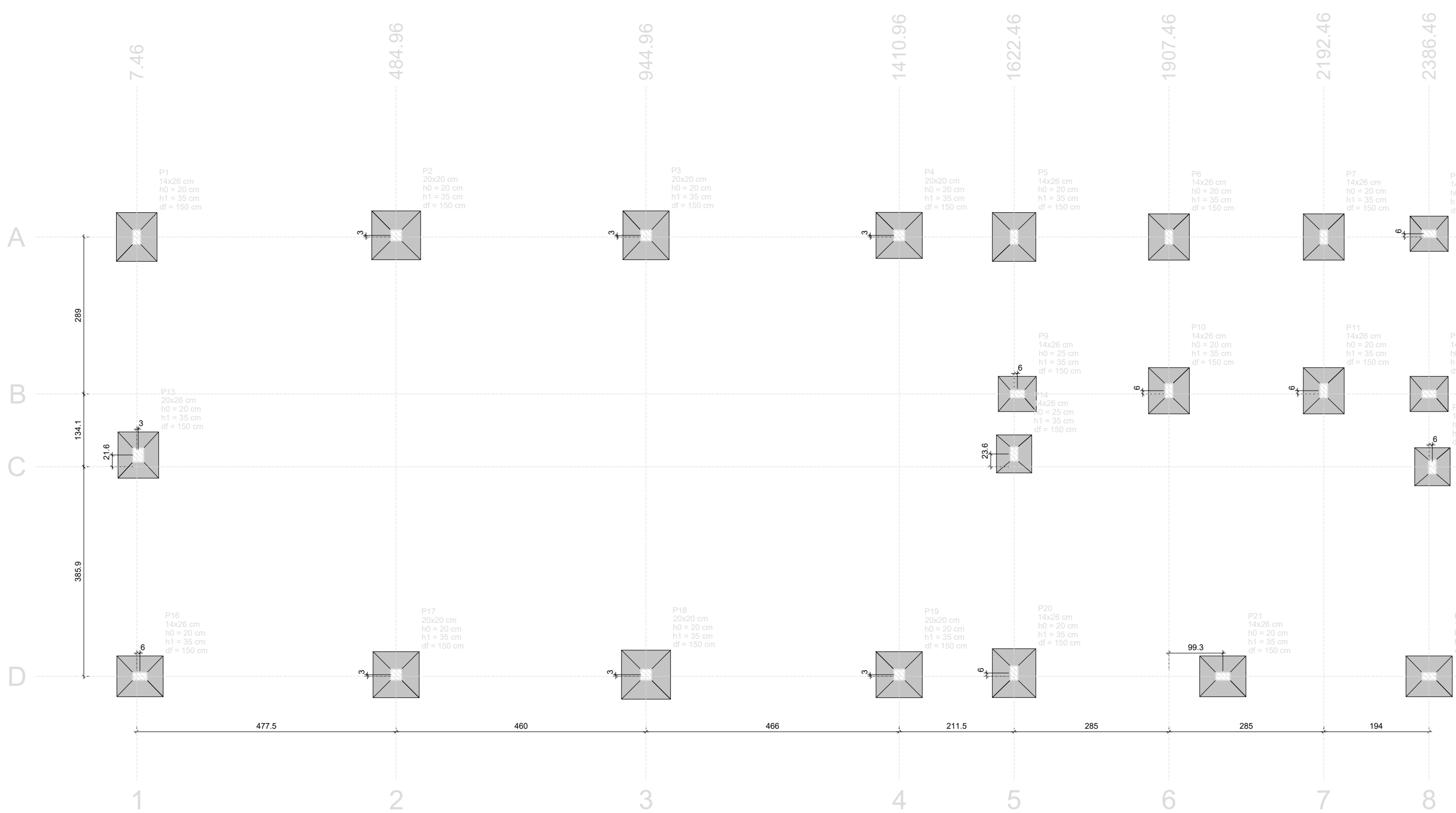
[illegible]








Os esforços indicados nesta tabela são os valores máximos obtidos pela envoltória de todas as combinações definidas para as fundações. Para análises complementares, deve-se consultar a relação da alínea na fundação, que apresenta os valores calculados para cada combinação.




Forma do pavimento BALDRAME (Nível 0)

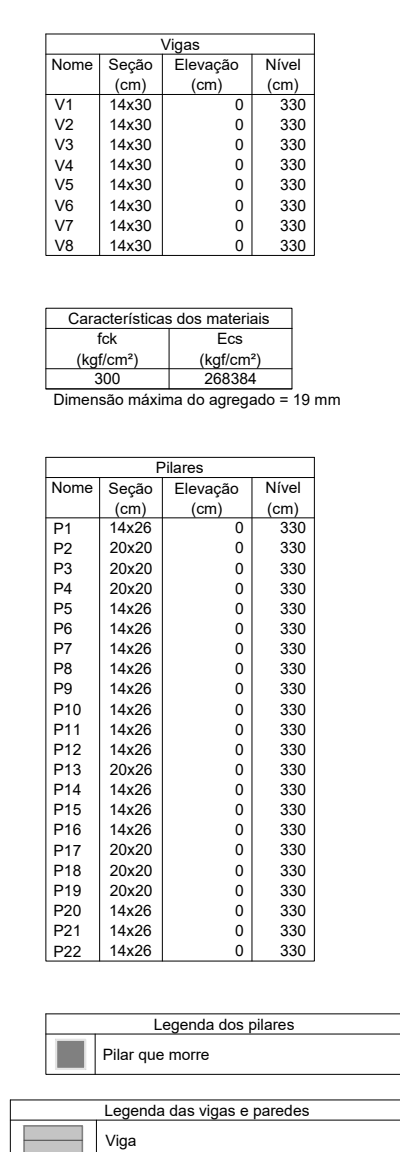
Legenda dos pilares

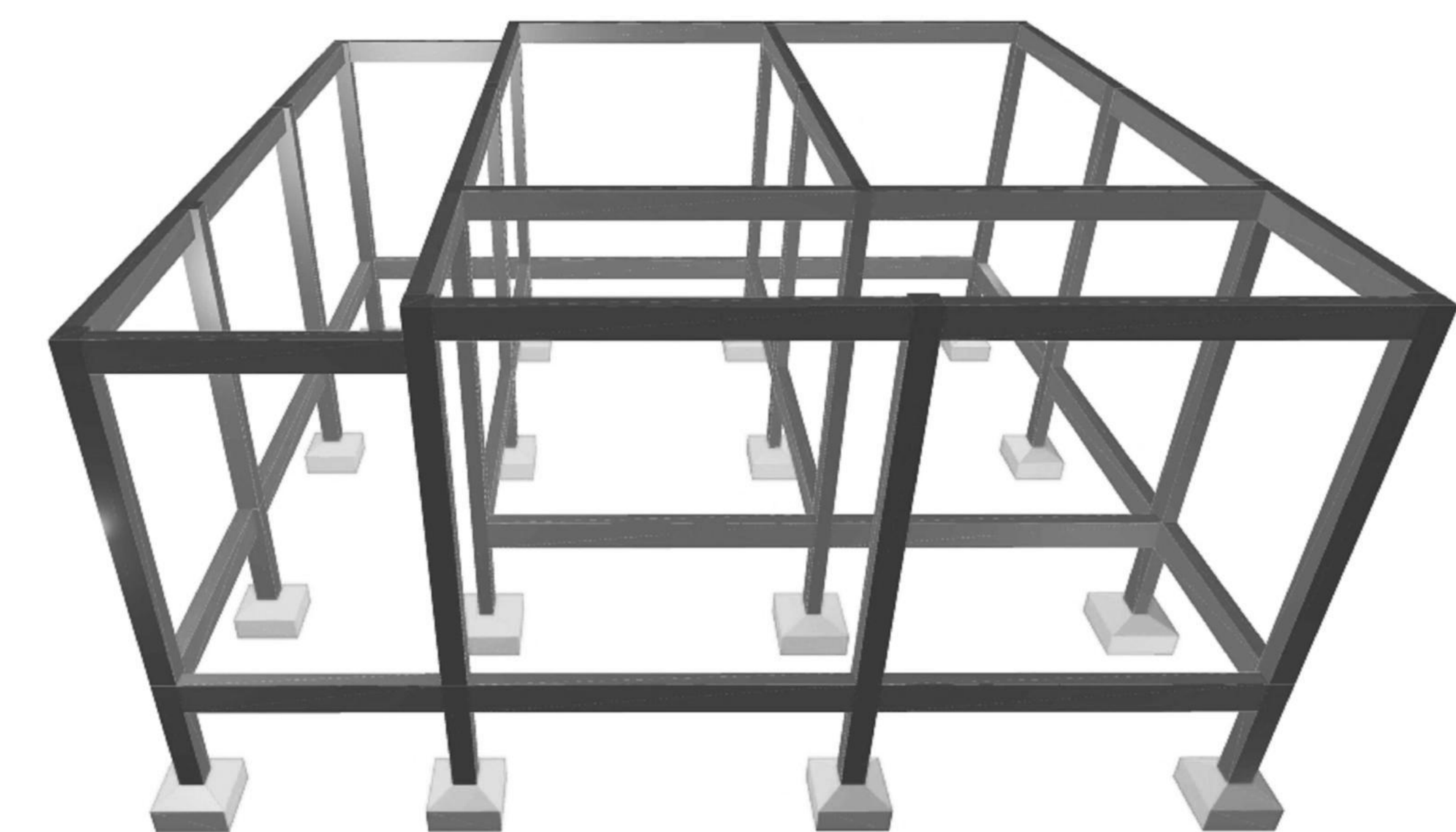
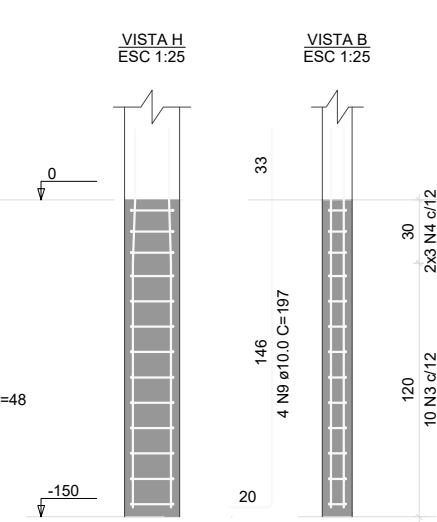
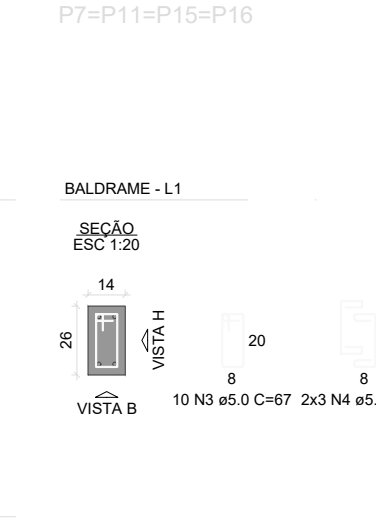
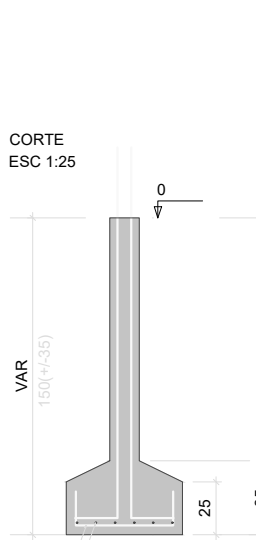
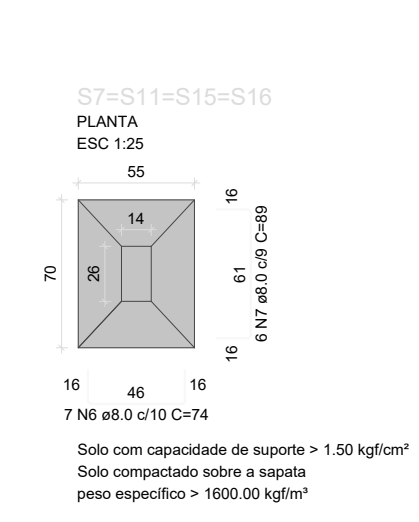
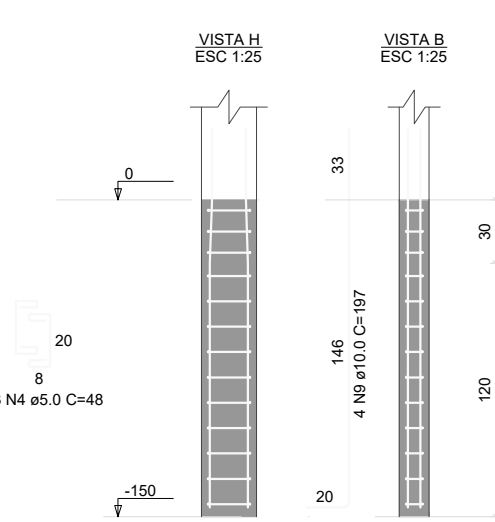
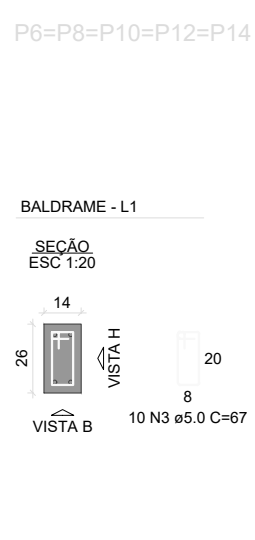
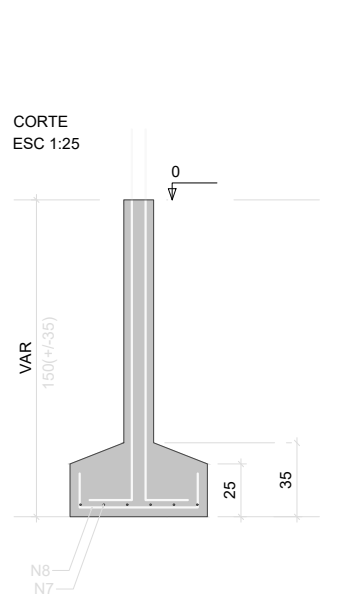
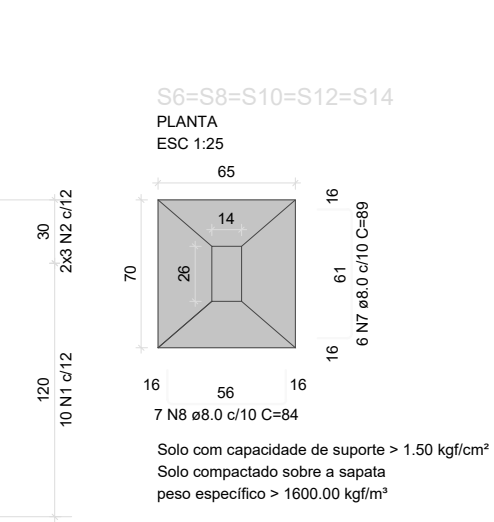
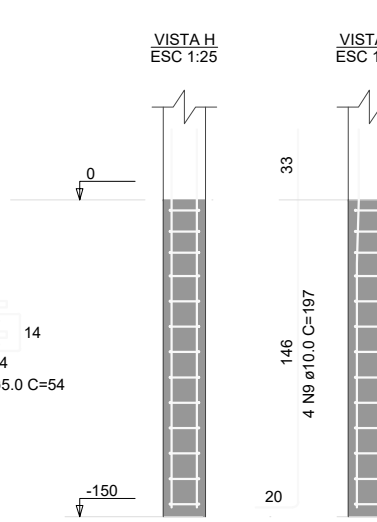
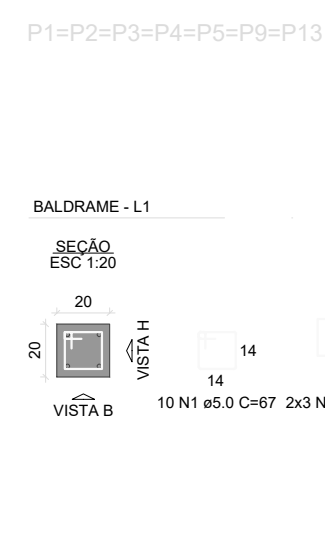
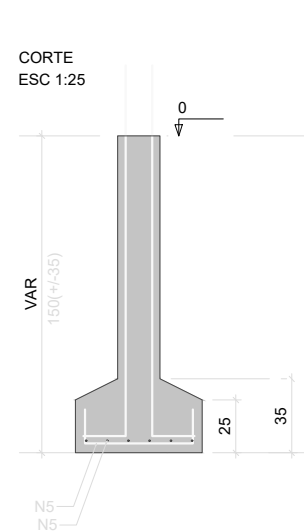
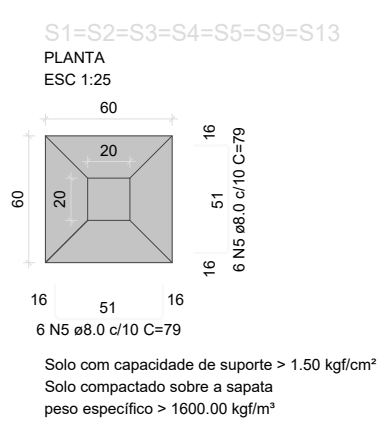
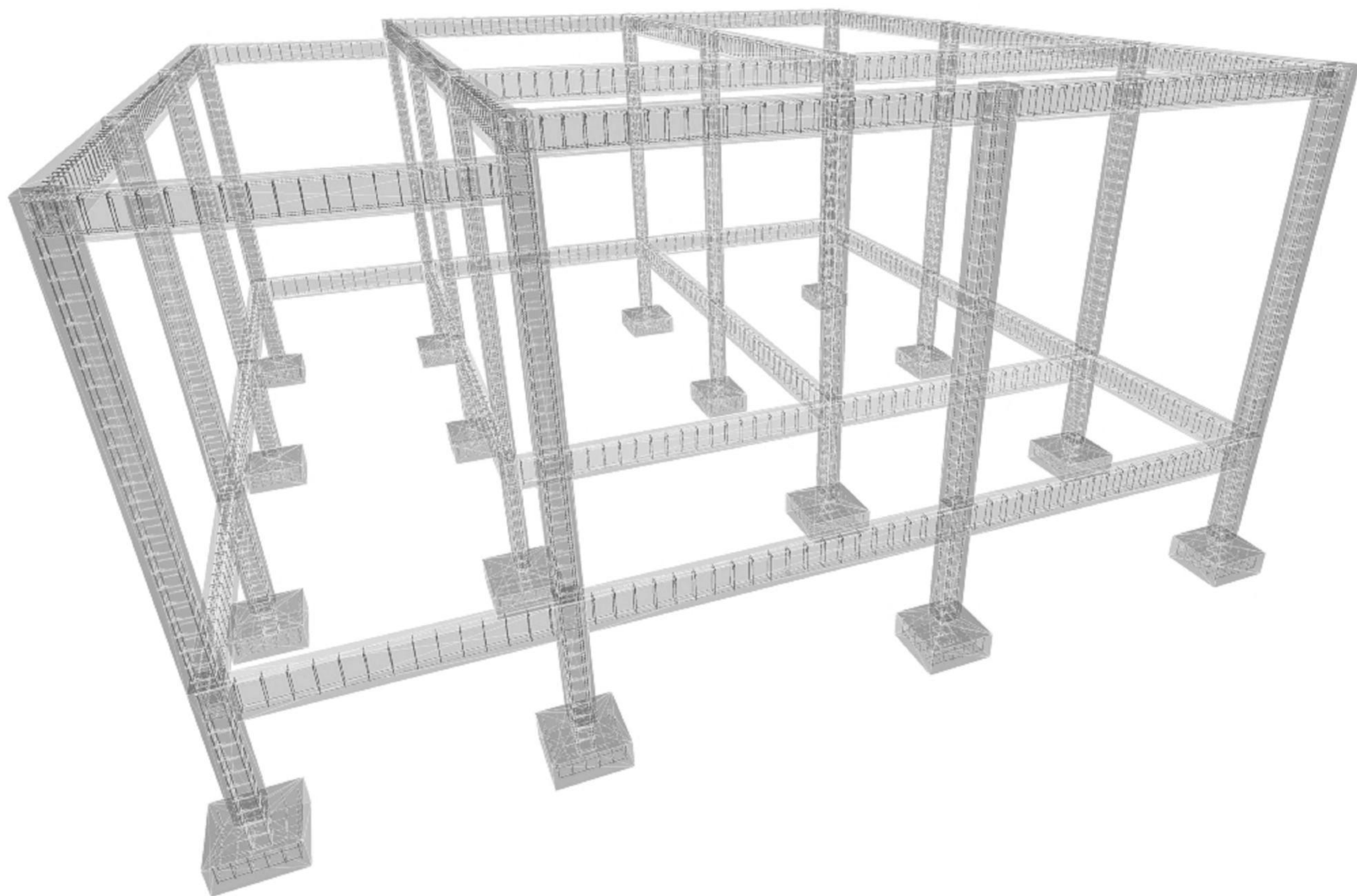
 Pilar que passa

Legenda das vigas e paredes

 Viga


[illegible]

550,  
sample 1.00[illegible]


[illegible][illegible]





Legenda dos pilares	
	Pilar que passa

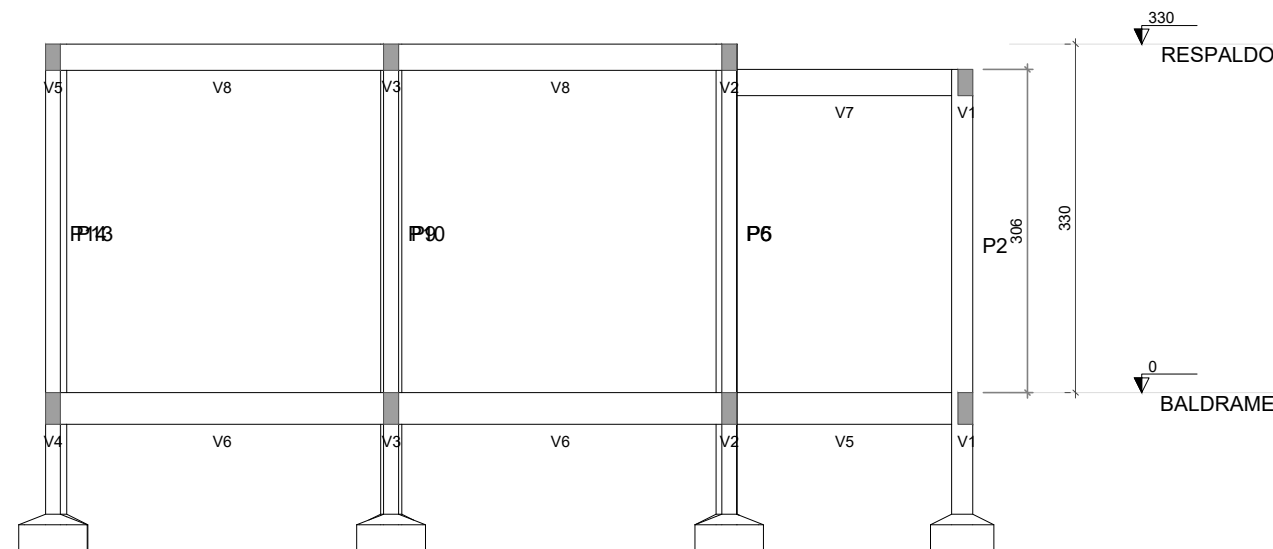
  

Legenda das vigas e paredes	
	Viga



Legenda dos pilares			
	Pilar que morre		

Os esforços indicados nesta tabela são os valores máximos obtidos pela envoltória de todas as combinações definidas para as fundações. Para análise simplificada, deve-se considerar a envoltória de esforços em fundação, um momento em qualquer ponto de uma das bordas.



Corte A-A

[illegible]










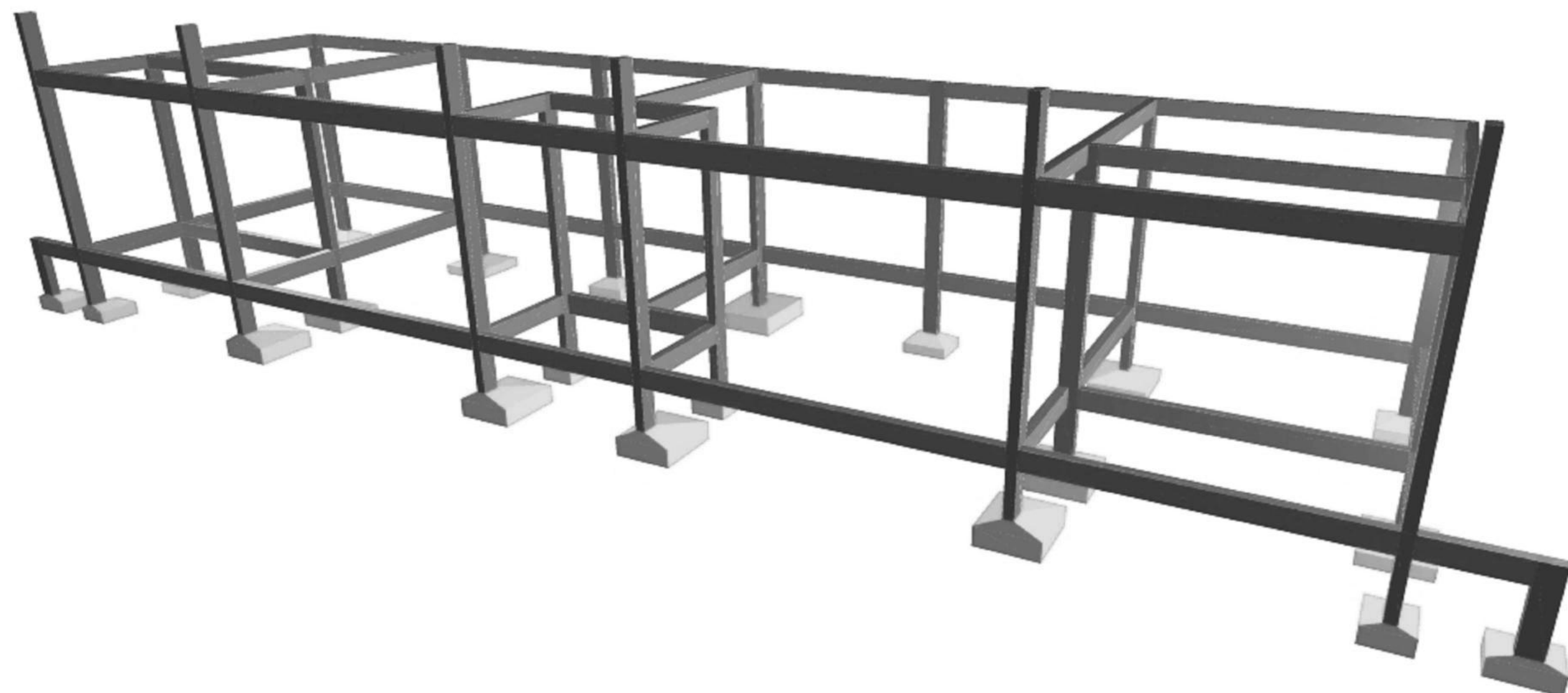
Características dos materiais	
Fck (kgf/cm <sup>2</sup> )	Fcd (kgf/cm <sup>2</sup> )
30,0	20,004

Dimensão máxima do aço usado = 12 mm

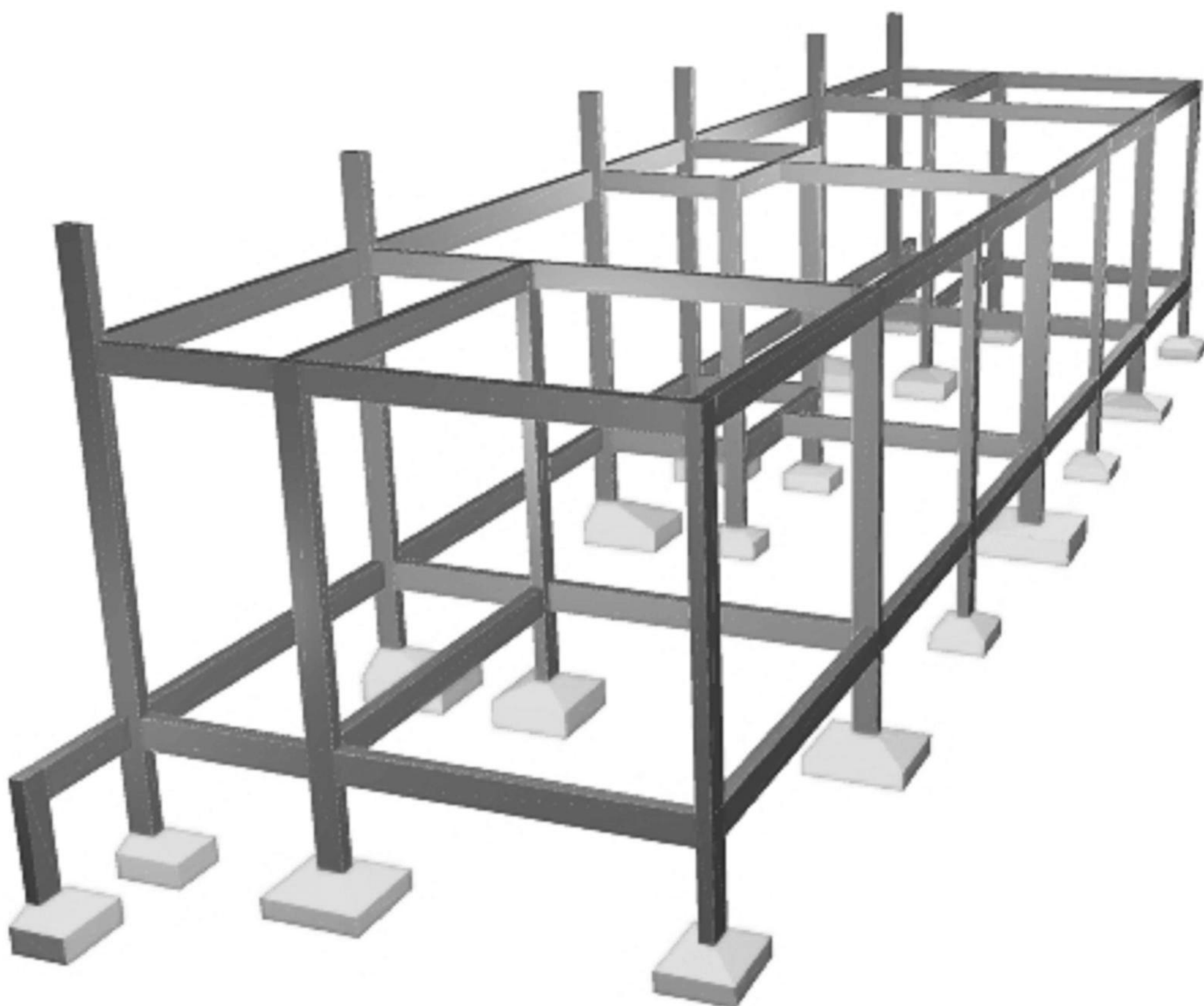
Legenda dos pilares	
	Pilar que morre
	Pilar que passa

Legenda das vigas e paredes	
	Viga



Forma do pavimento BALDRAME (Nível 0)




Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	14x25	0	225
V2	14x25	0	225
V3	14x25	0	225
V4	14x25	0	225
V5	14x30	0	225
V6	14x35	0	225
V7	14x30	0	225
V8	14x35	0	225
V9	14x30	0	225
V10	14x25	0	225
V11	14x25	0	225
V12	14x25	0	225
V13	14x25	0	225
V14	14x25	0	225
V15	14x25	0	225
V16	14x25	0	225

Características dos materiais	
fck (kgf/cm <sup>2</sup> )	Ecs (kgf/cm <sup>2</sup> )
300	268384

Dimensão máxima do agregado = 19

Pilares			
Nome	Seção (cm²)	Elevação (cm)	Nível (cm)
P1	14x25	0	335
P2	14x25	0	325
P3	14x25	0	335
P4	14x30	0	335
P5	14x25	0	335
P6	14x25	0	335
P7	14x25	0	325
P8	14x25	0	325
P9	14x25	0	335
P10	14x25	0	325
P11	14x25	0	325
P12	14x25	0	335
P13	14x25	0	325
P15	14x25	07	432
P16	14x25	07	432
P17	14x25	07	432
P18	14x25	07	432
P19	14x25	07	432
P20	14x25	07	432

Legenda dos pilares

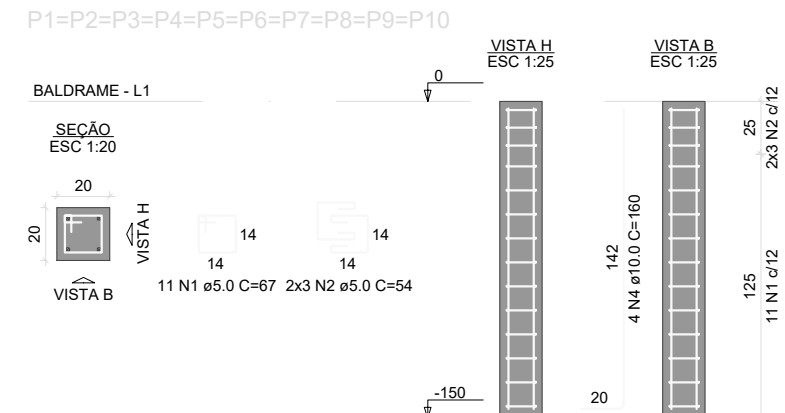
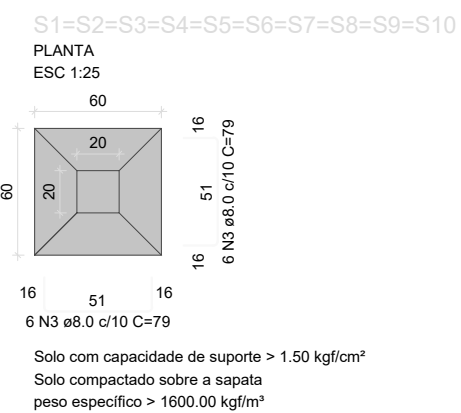
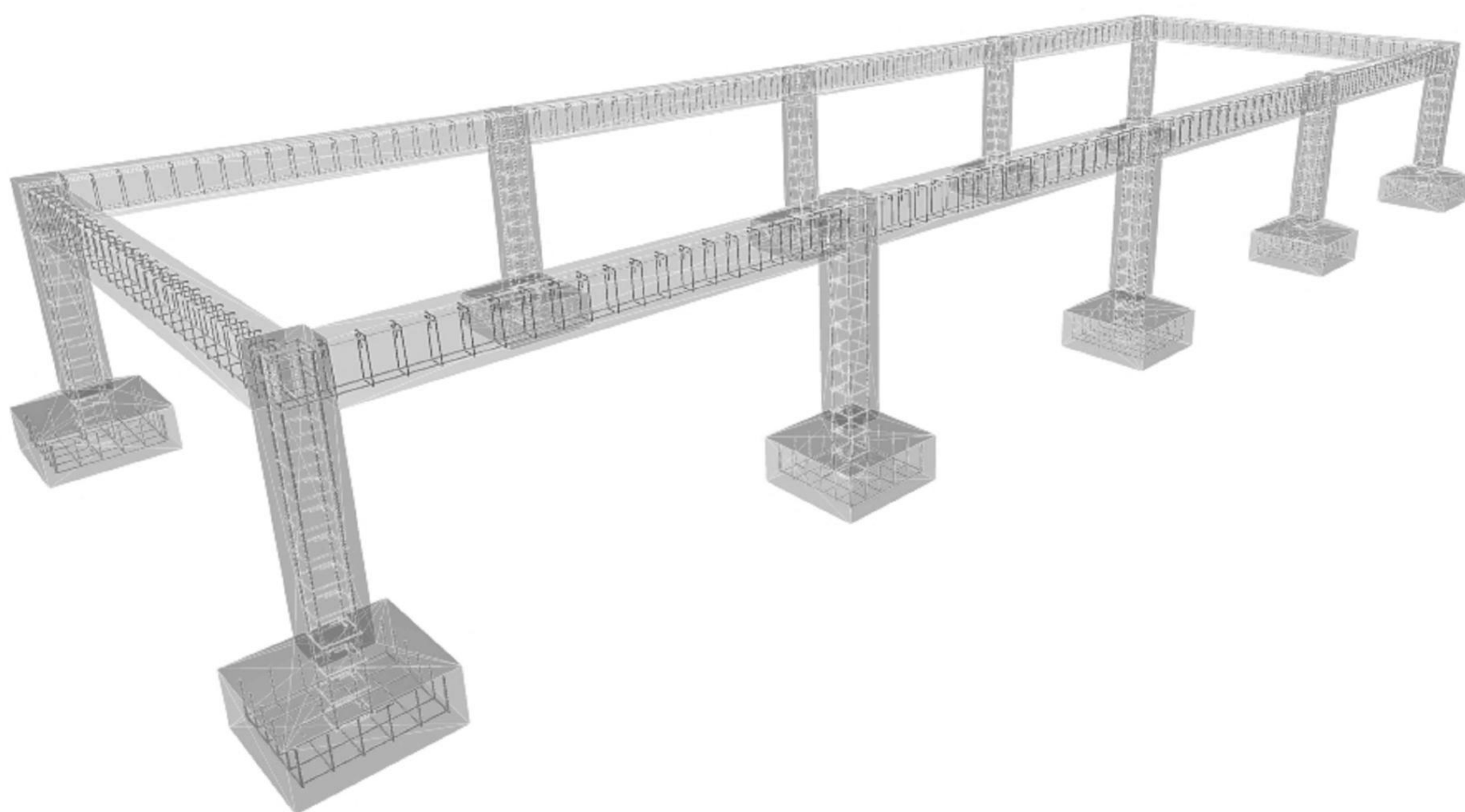
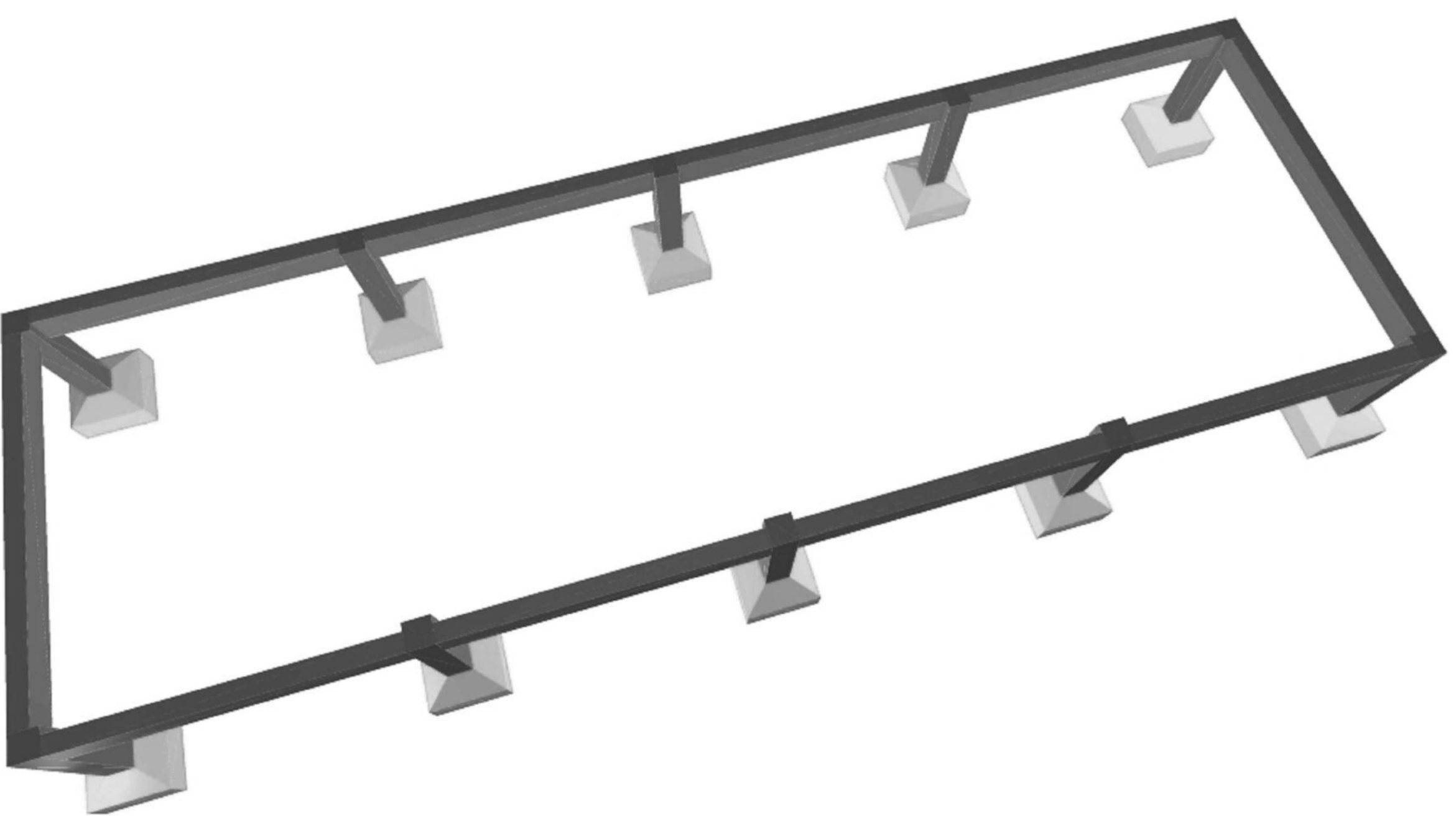
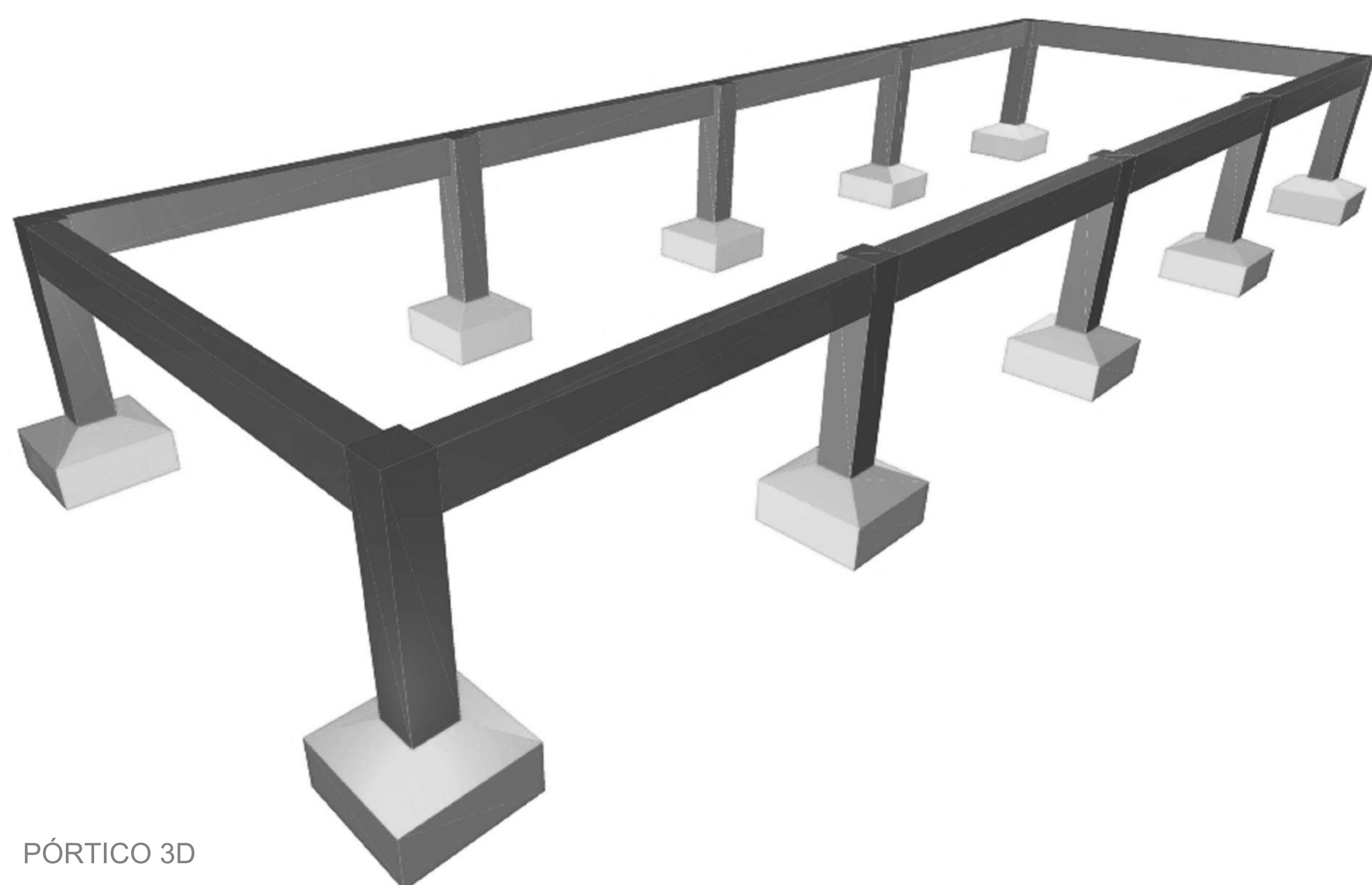
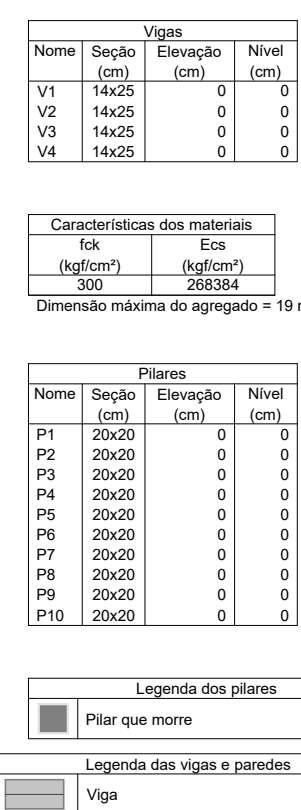
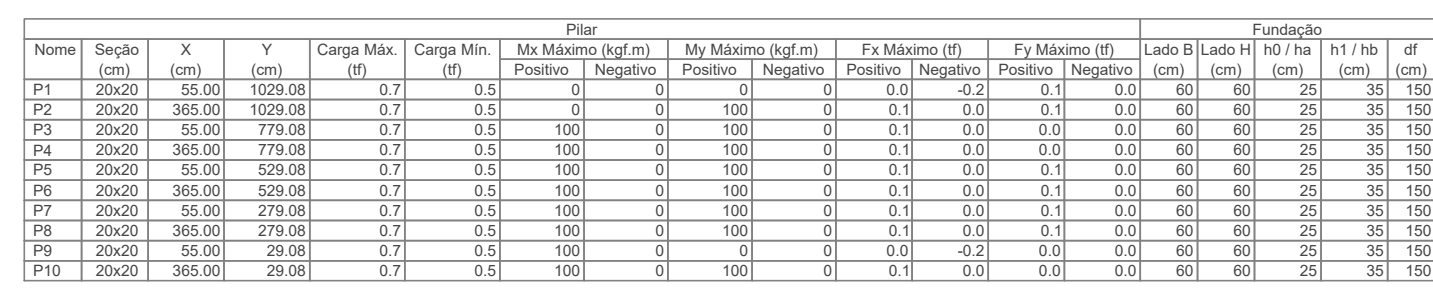
 Pilar que corre

Legenda das vigas e paredes

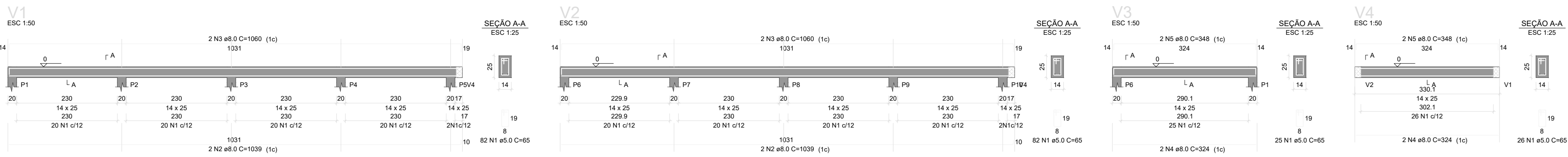
 Viga

Forma do pavimento RESPALDO (Nível 335)

[illegible]

[illegible]





RELACÃO DO AÇO

ACO	N	Q	Q <sub>MAX</sub>	Q <sub>MIN</sub>	Q <sub>AVG</sub>	Q <sub>TOTAL</sub>	Q <sub>RES</sub>
ACO	1	1	1	1	1	1	1
ACO	2	2	2	2	2	2	2
ACO	3	3	3	3	3	3	3
ACO	4	4	4	4	4	4	4
ACO	5	5	5	5	5	5	5
ACO	6	6	6	6	6	6	6
ACO	7	7	7	7	7	7	7
ACO	8	8	8	8	8	8	8
ACO	9	9	9	9	9	9	9
ACO	10	10	10	10	10	10	10
ACO	11	11	11	11	11	11	11
ACO	12	12	12	12	12	12	12
ACO	13	13	13	13	13	13	13
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ACO	17	17	17	17	17	17	17
ACO	18	18	18	18	18	18	18
ACO	19	19	19	19	19	19	19
ACO	20	20	20	20	20	20	20
ACO	21	21	21	21	21	21	21
ACO	22	22	22	22	22	22	22
ACO	23	23	23	23	23	23	23
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ACO	25	25	25	25	25	25	25
ACO	26	26	26	26	26	26	26
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ACO	39	39	39	39	39	39	39
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ACO	88	88	88	88	88	88	88
ACO	89	89	89	89	89	89	89
ACO	90	90	90	90	90	90	90
ACO	91	91	91	91	91	91	91
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ACO	97	97	97	97	97	97	97
ACO	98	98	98	98	98	98	98
ACO	99	99	99	99	99	99	99
ACO	100	100	100	100	100	100	100



Table with 10 columns: Nome, Seção, X, Y, V, Carga Min, Carga Max, Mx Máximo, My Máximo, Mx Mínimo, My Mínimo. The table contains data for various sections and loads.

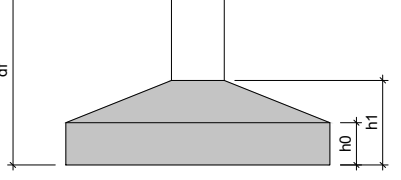


Table with 2 columns: Localização no eixo X, Localização no eixo Y. The table contains data for various sections and loads.

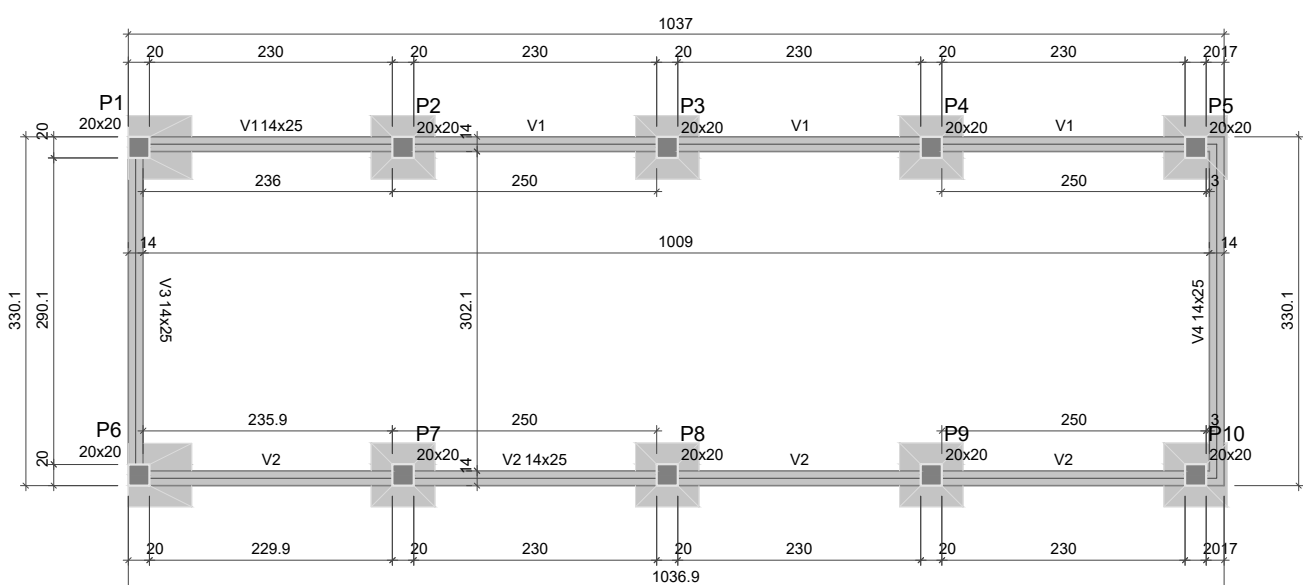
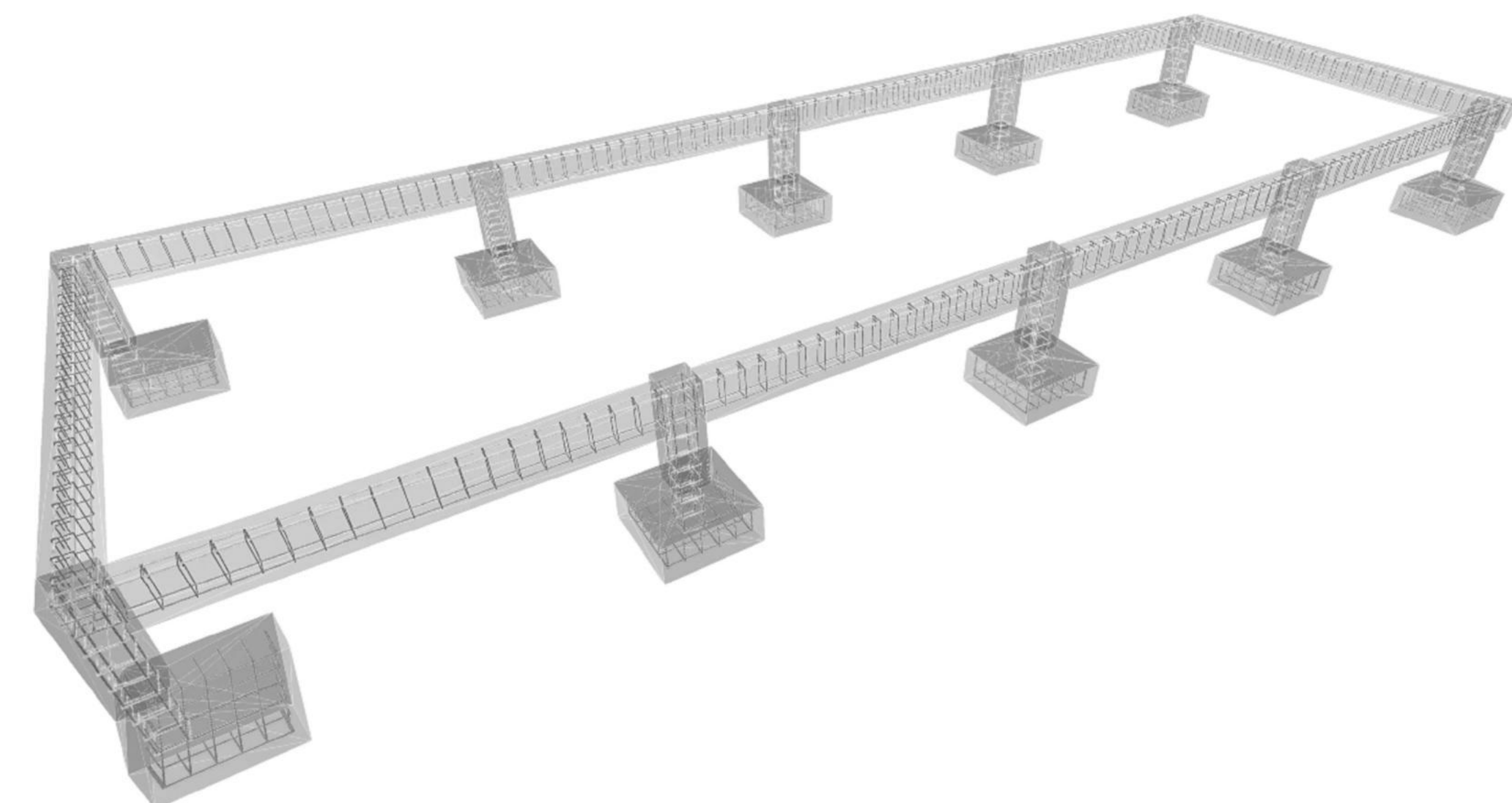
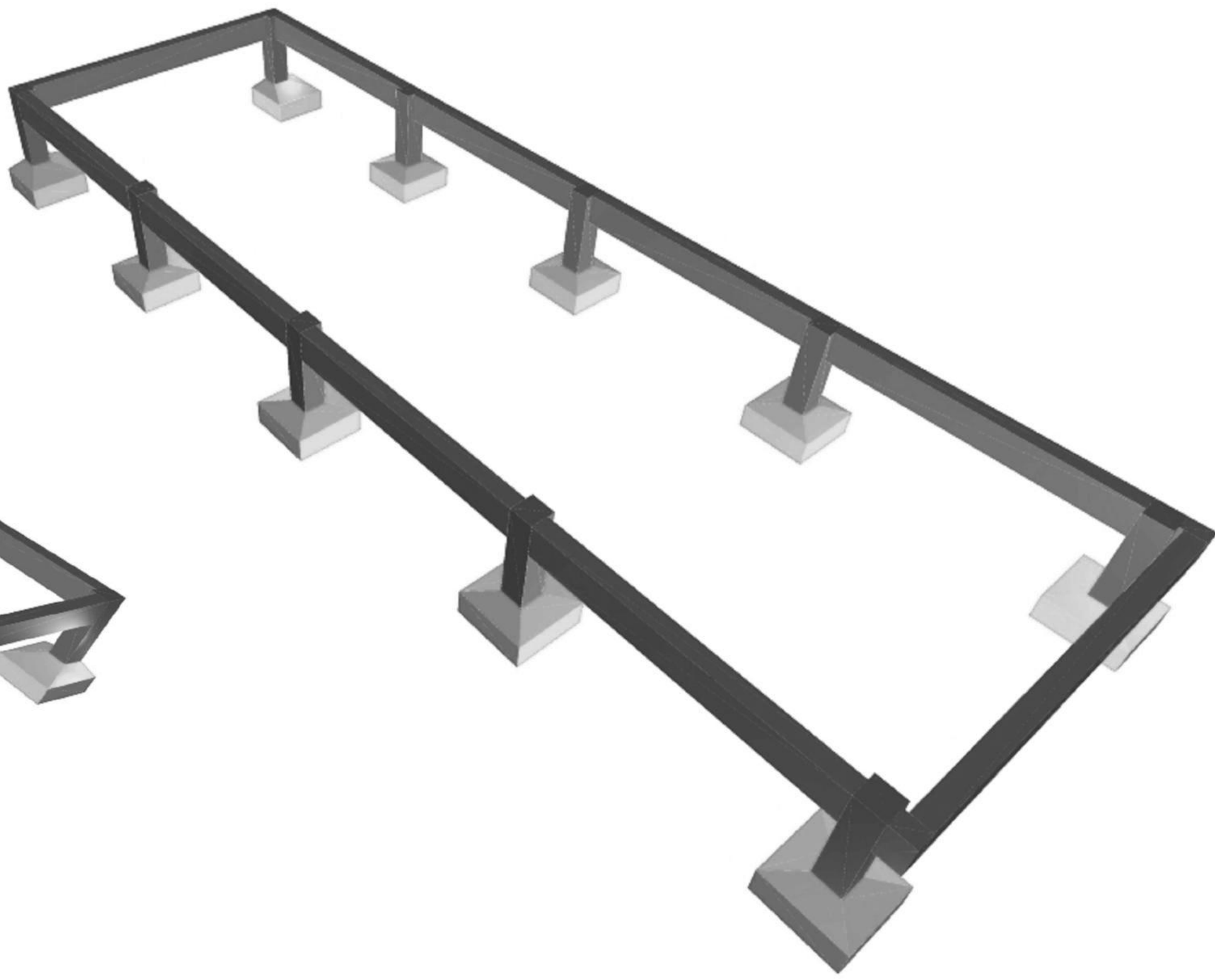
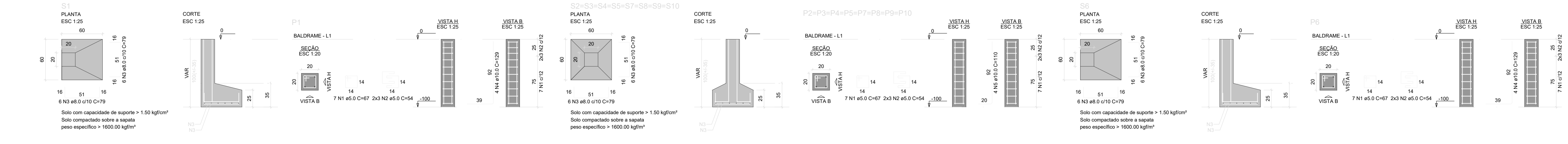


Table with 10 columns: Nome, Seção, X, Y, V, Carga Min, Carga Max, Mx Máximo, My Máximo, Mx Mínimo, My Mínimo. The table contains data for various sections and loads.

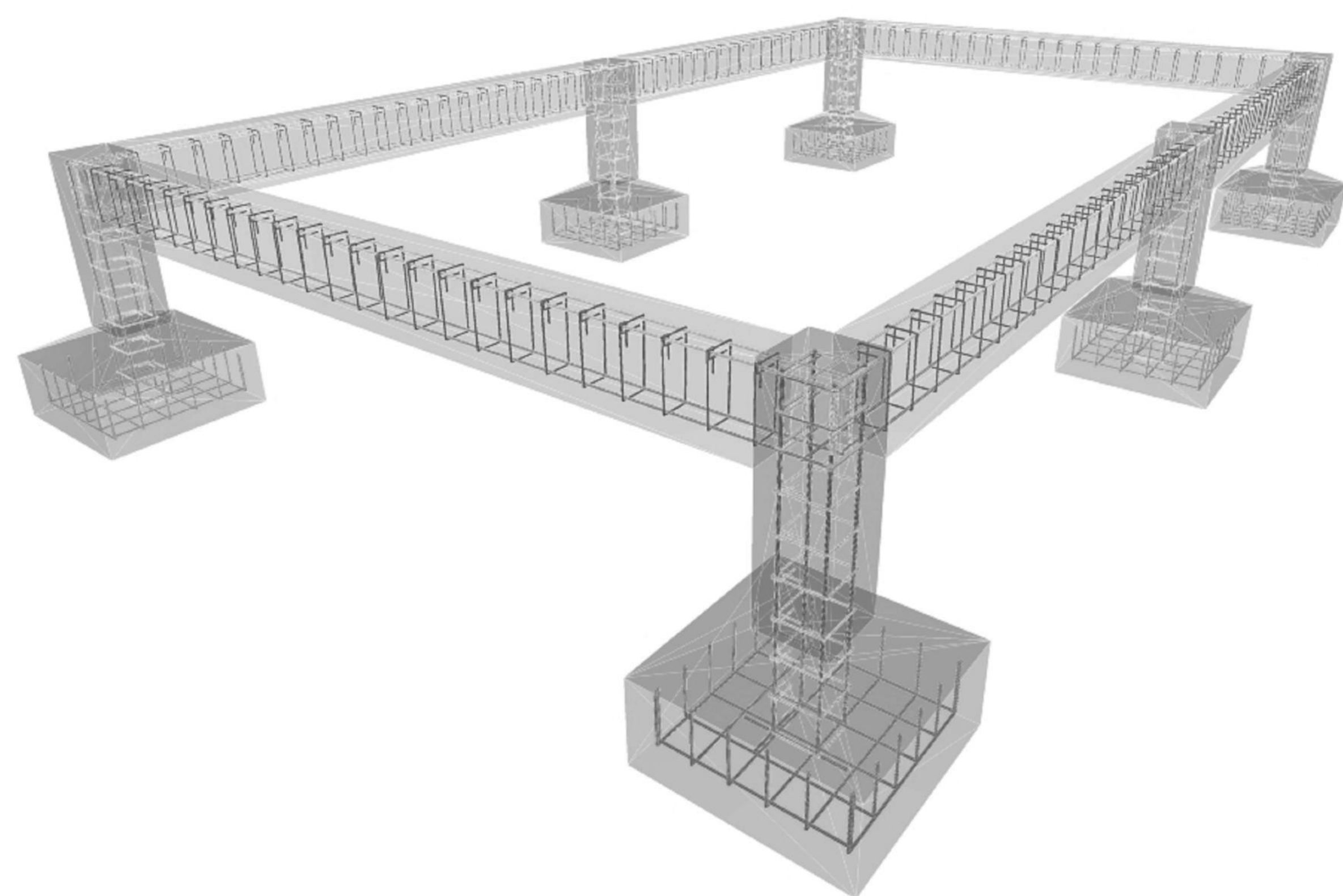
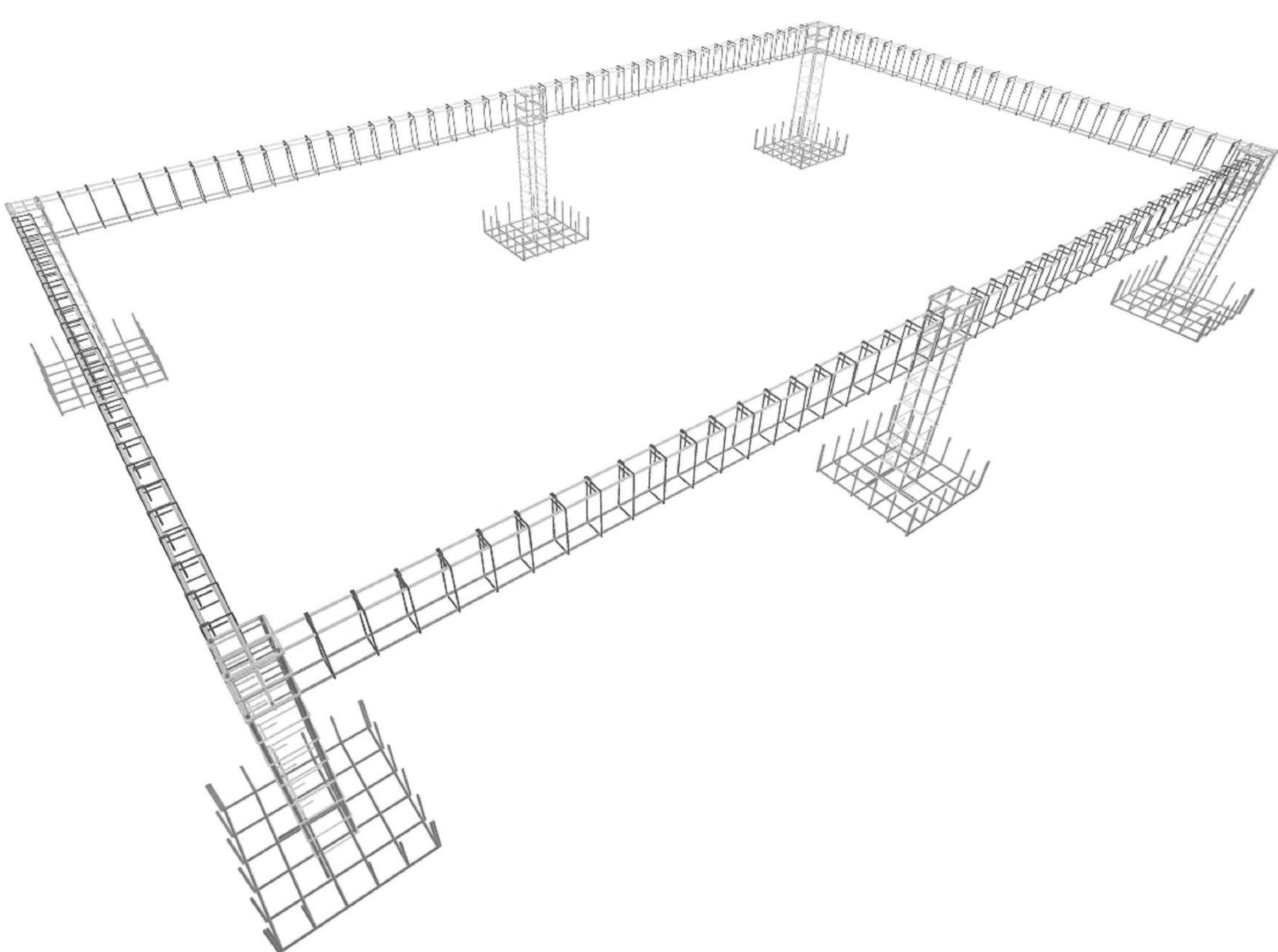
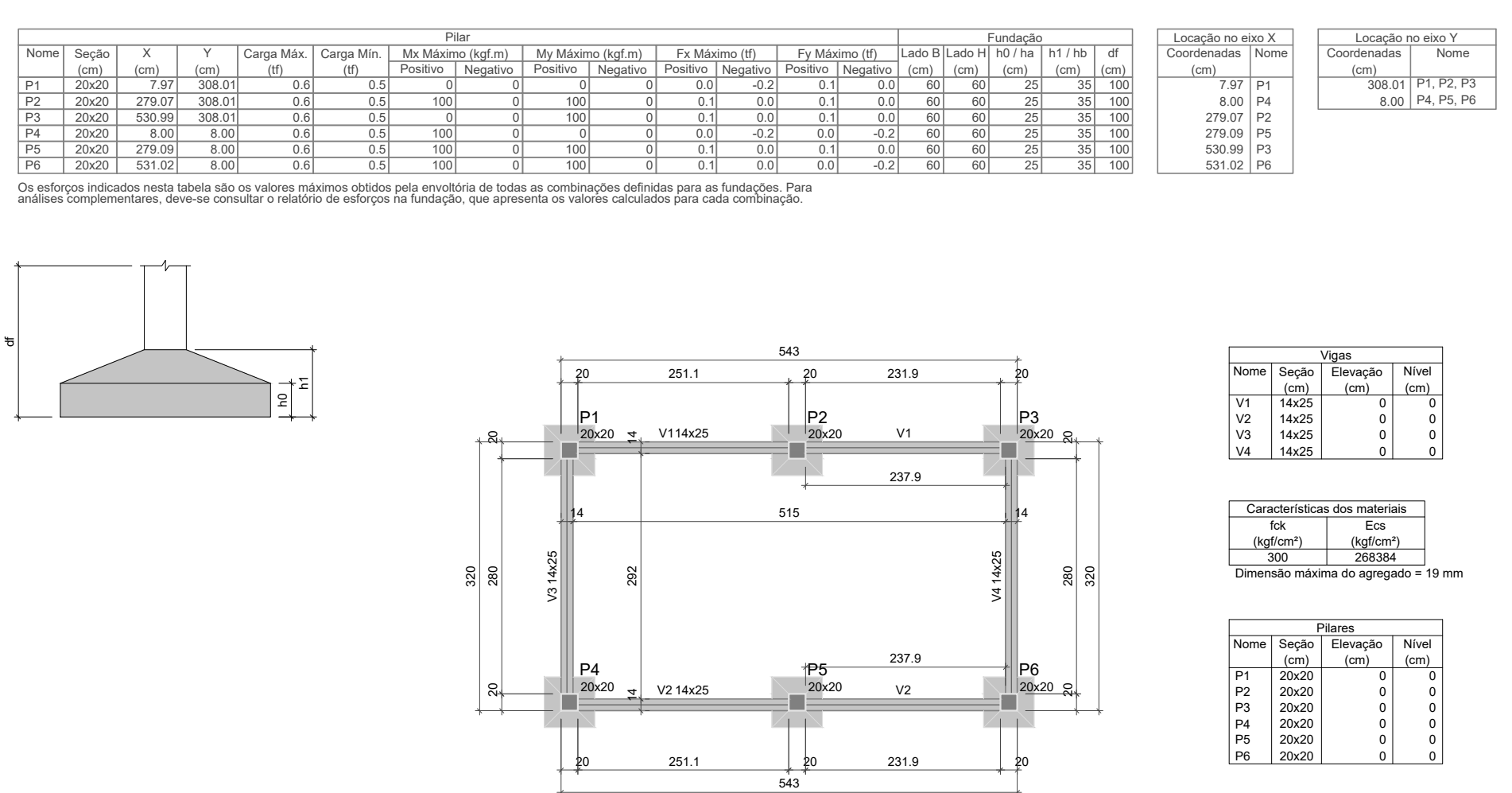
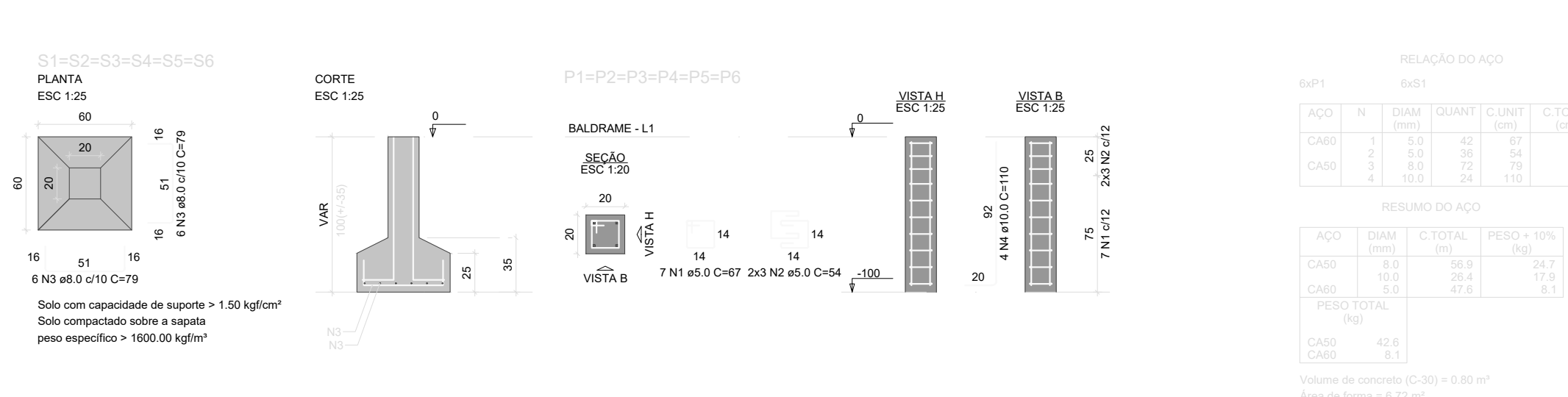
Table with 10 columns: Nome, Seção, X, Y, V, Carga Min, Carga Max, Mx Máximo, My Máximo, Mx Mínimo, My Mínimo. The table contains data for various sections and loads.

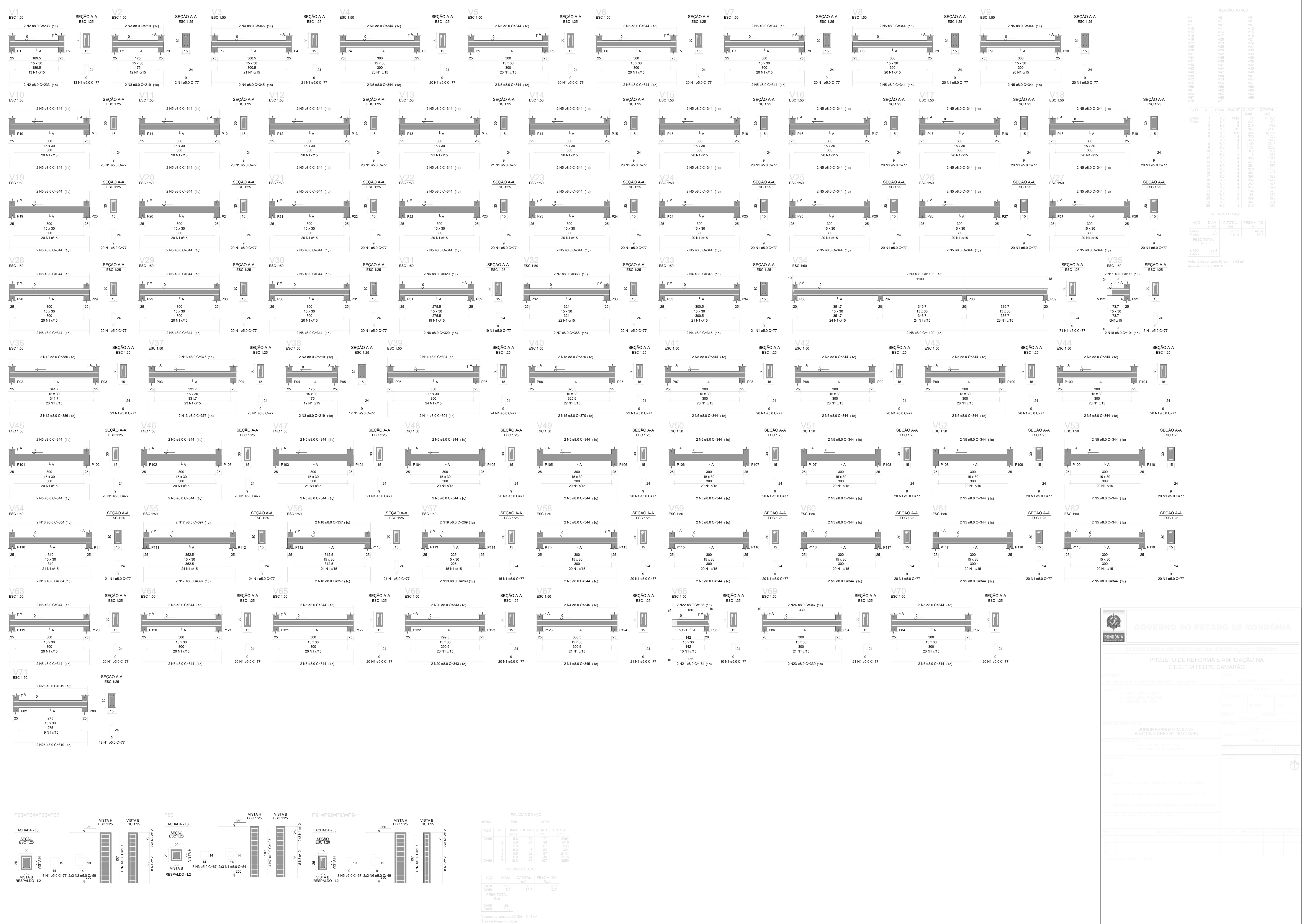


Form for the project, including fields for the project name, location, and other details. The project name is "GOVERNO DO ESTADO DE RONDÔNIA". The location is "SECRETARIA DE ESTADO DA REFORMA - BRASIL". The project is "PROJETO DE REFORMA E AMPLIAÇÃO NA E.E.F.M. FELIPE CAMARÁ".





[illegible]



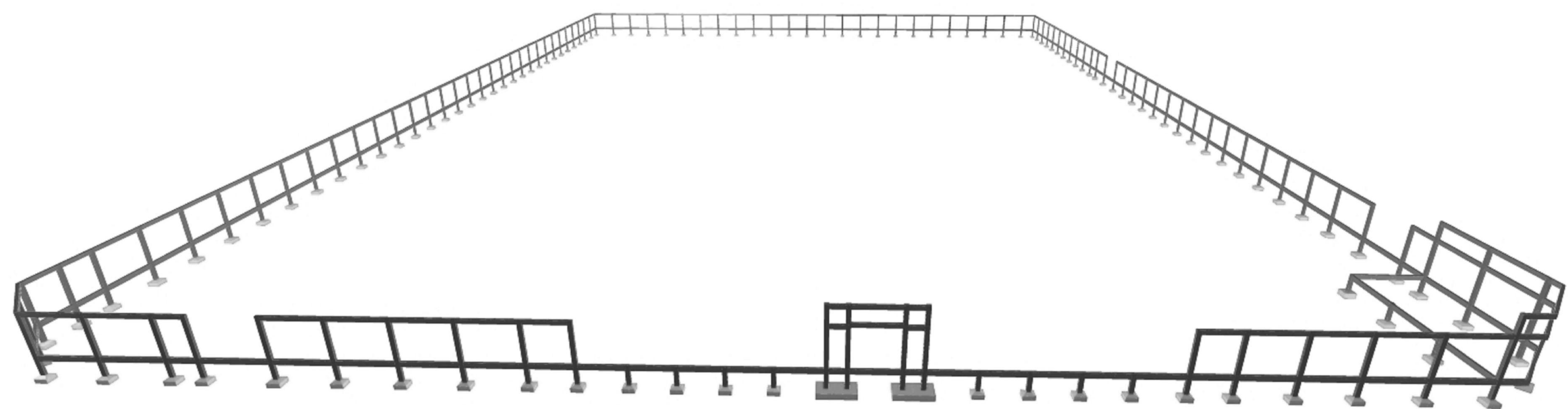
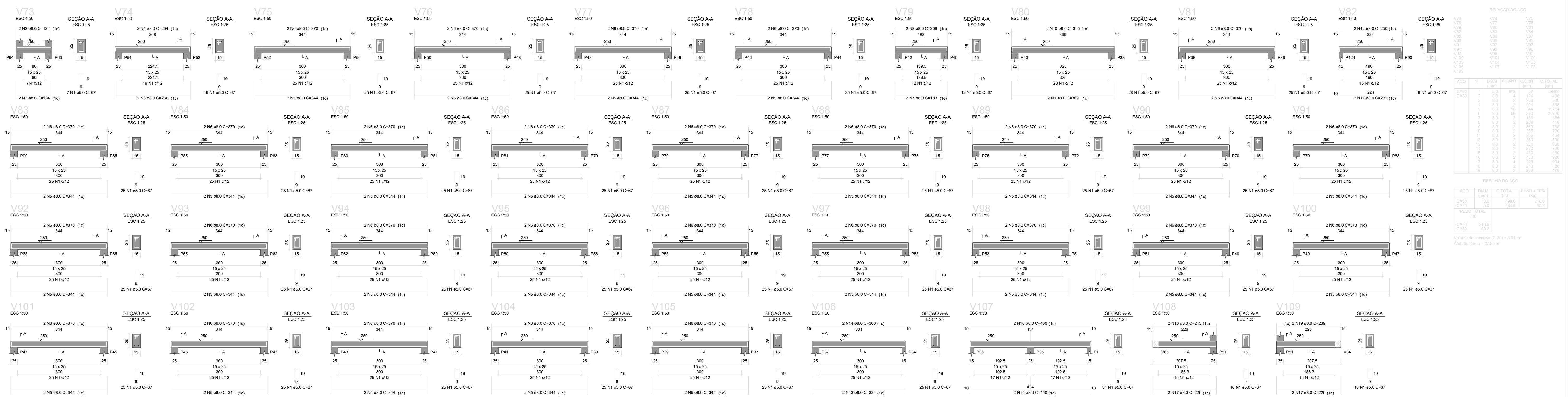


[illegible]

S1=S2=S3=S4=S5=S6=S7=S8=S9  
=S10=S11=S12=S13=S14=S15  
=S16=S17=S18=S19=S20=S21=S22=S23=S24  
=S25=S26=S27=S28=S29=S30=S31=S32=S33  
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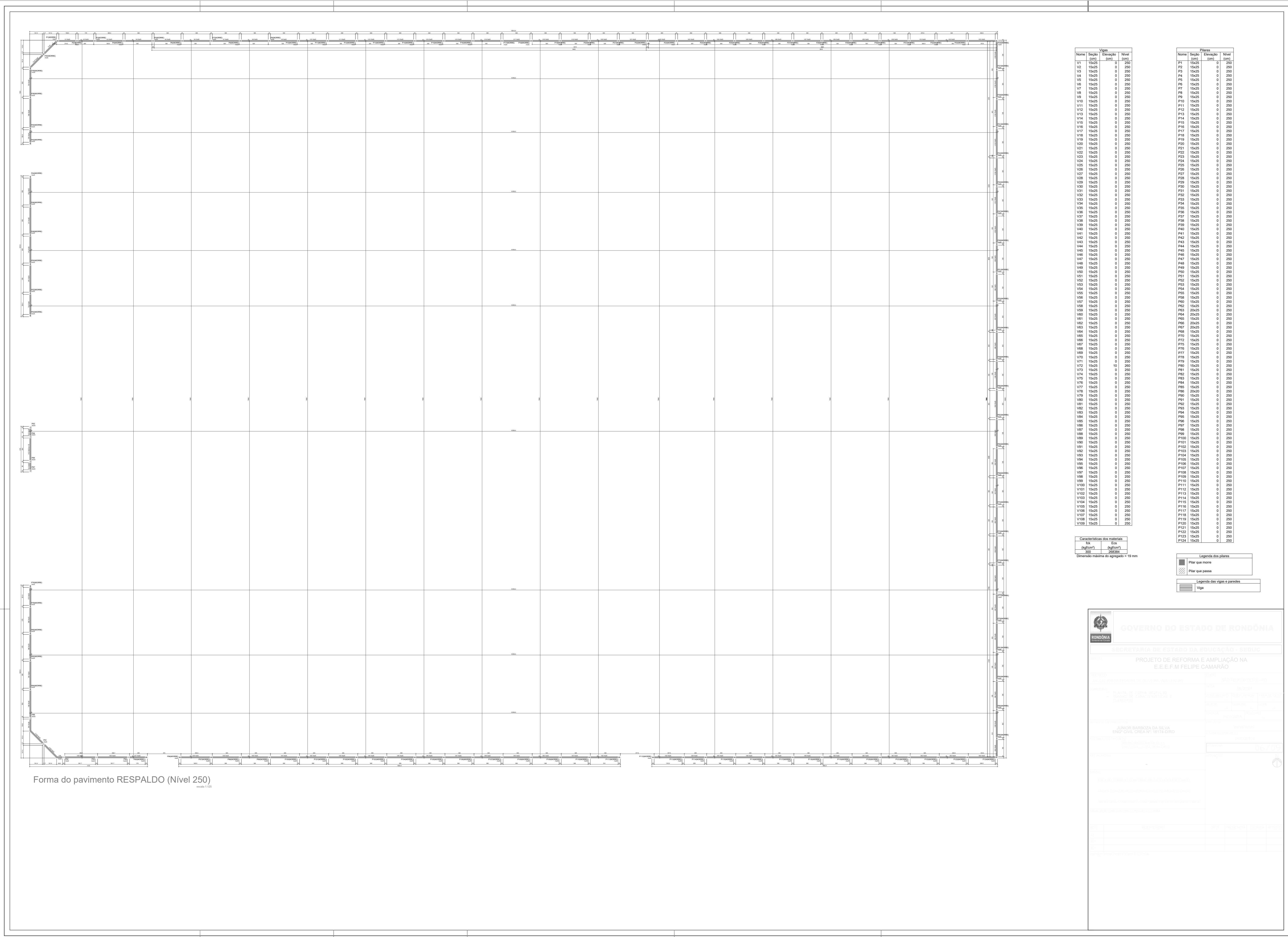






## PÓRTICO 3D

[illegible]





Características dos materiais	
$f_{ck}$ ( $\text{kgf/cm}^2$ )	$f_{ctk}$ ( $\text{kgf/cm}^2$ )
30	26,634

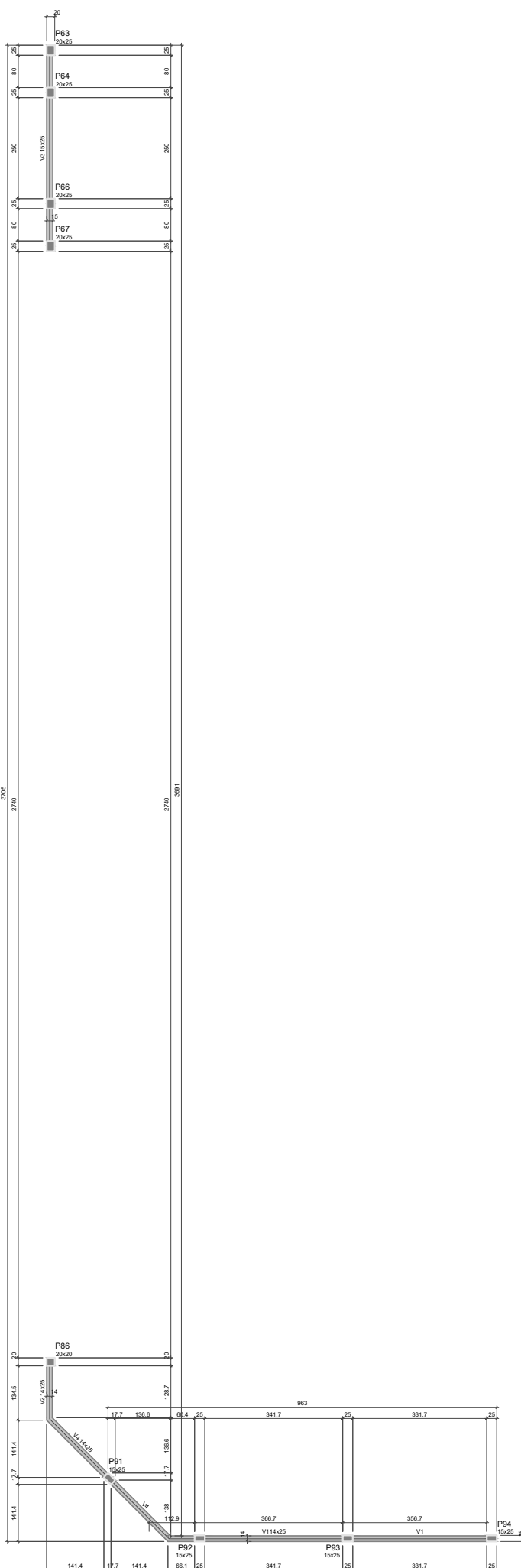
Dimensão máxima do agregado = 19 mm

[illegible]



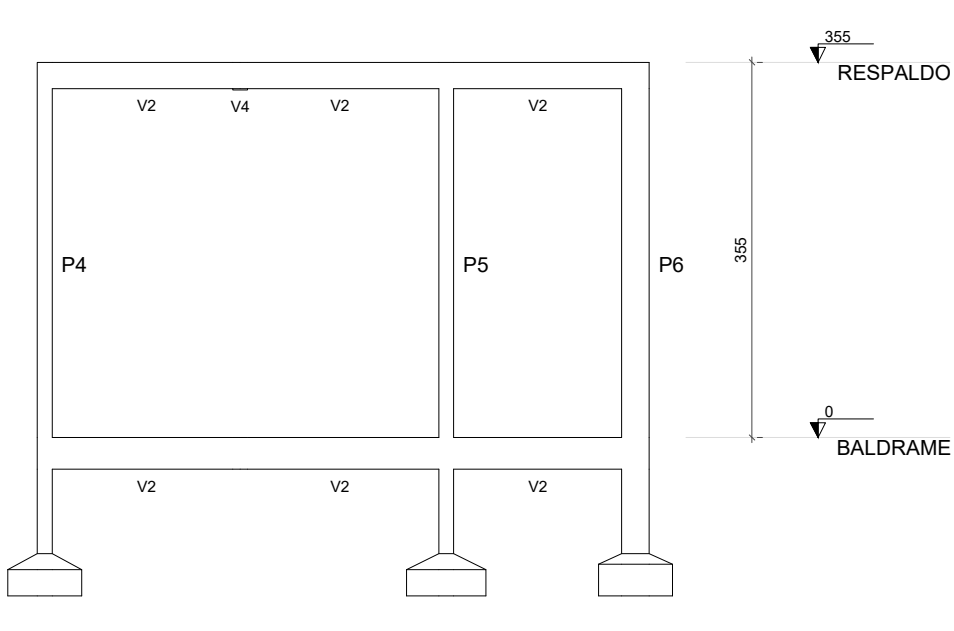
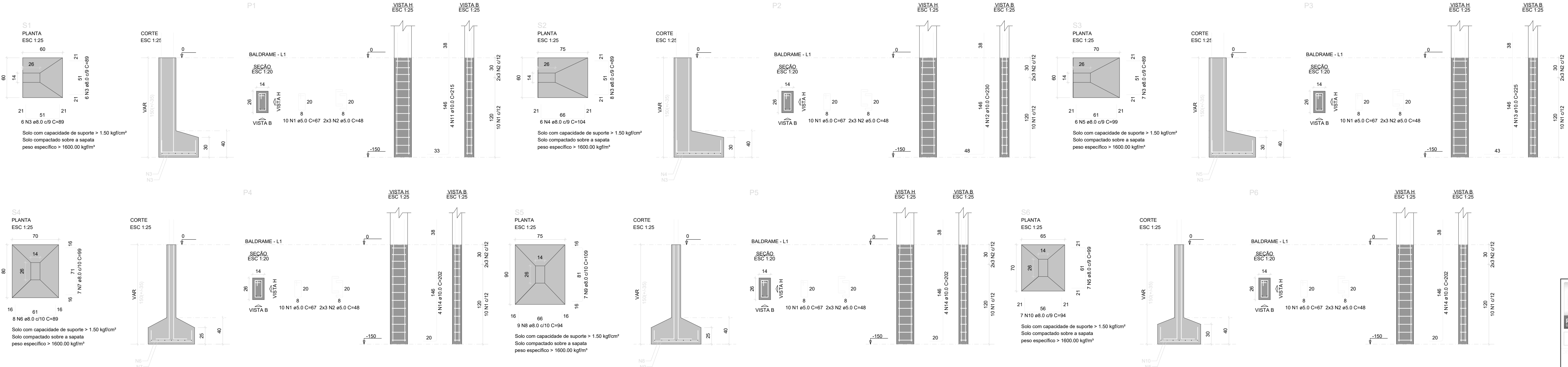
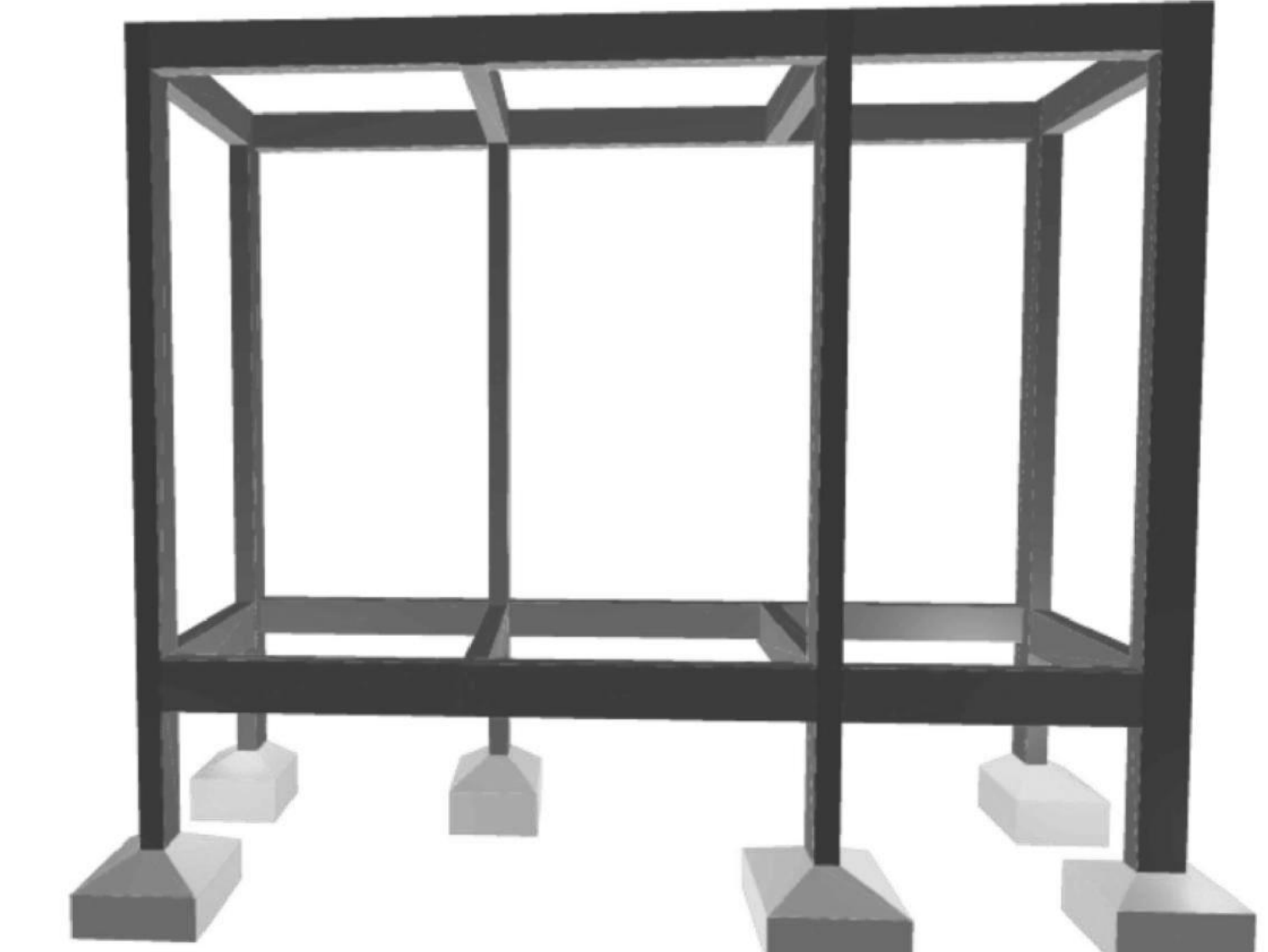
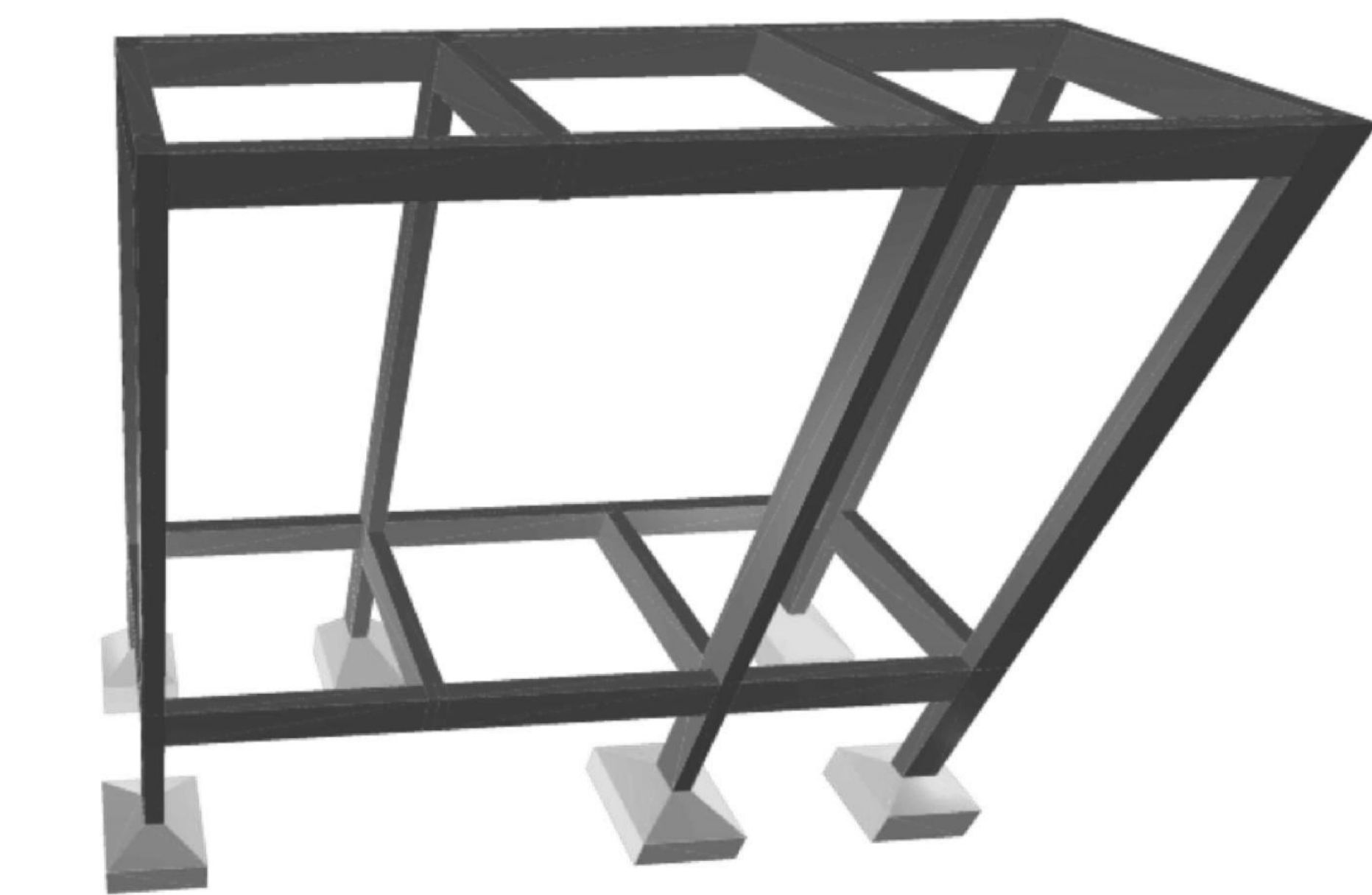
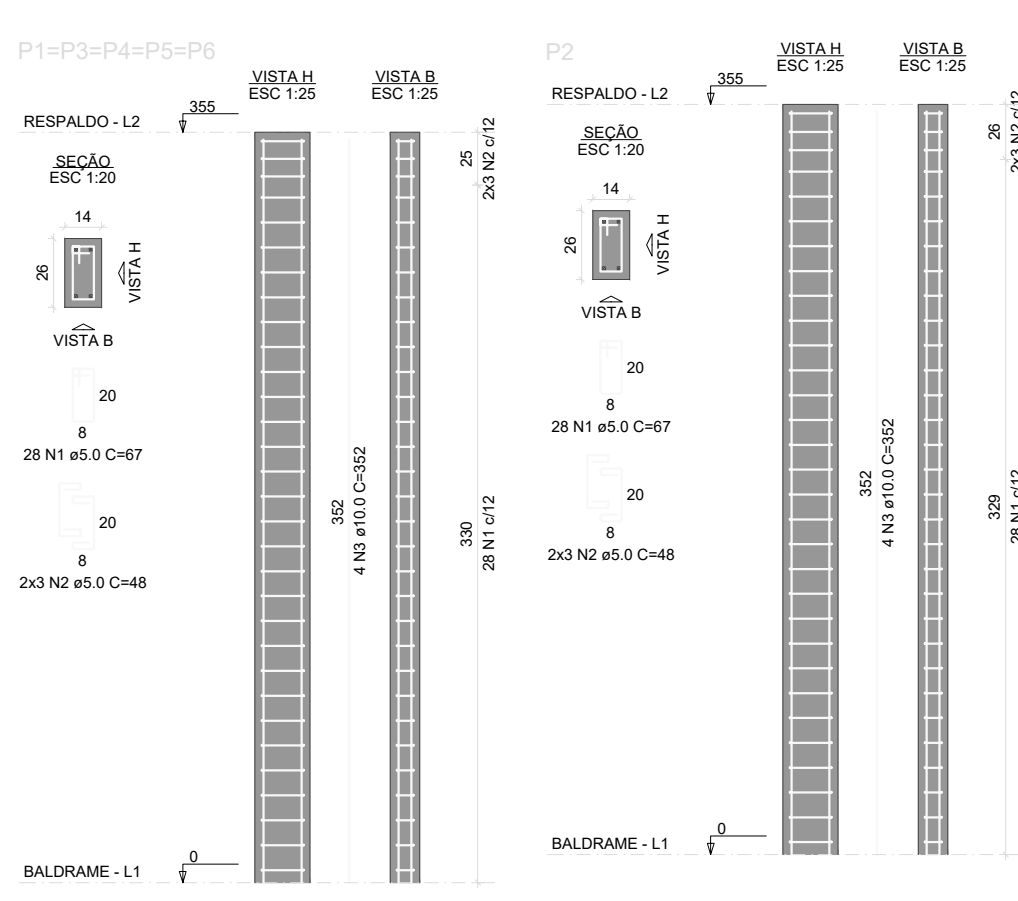


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Forma do pavimento FACHADA (Nível 360

[illegible]

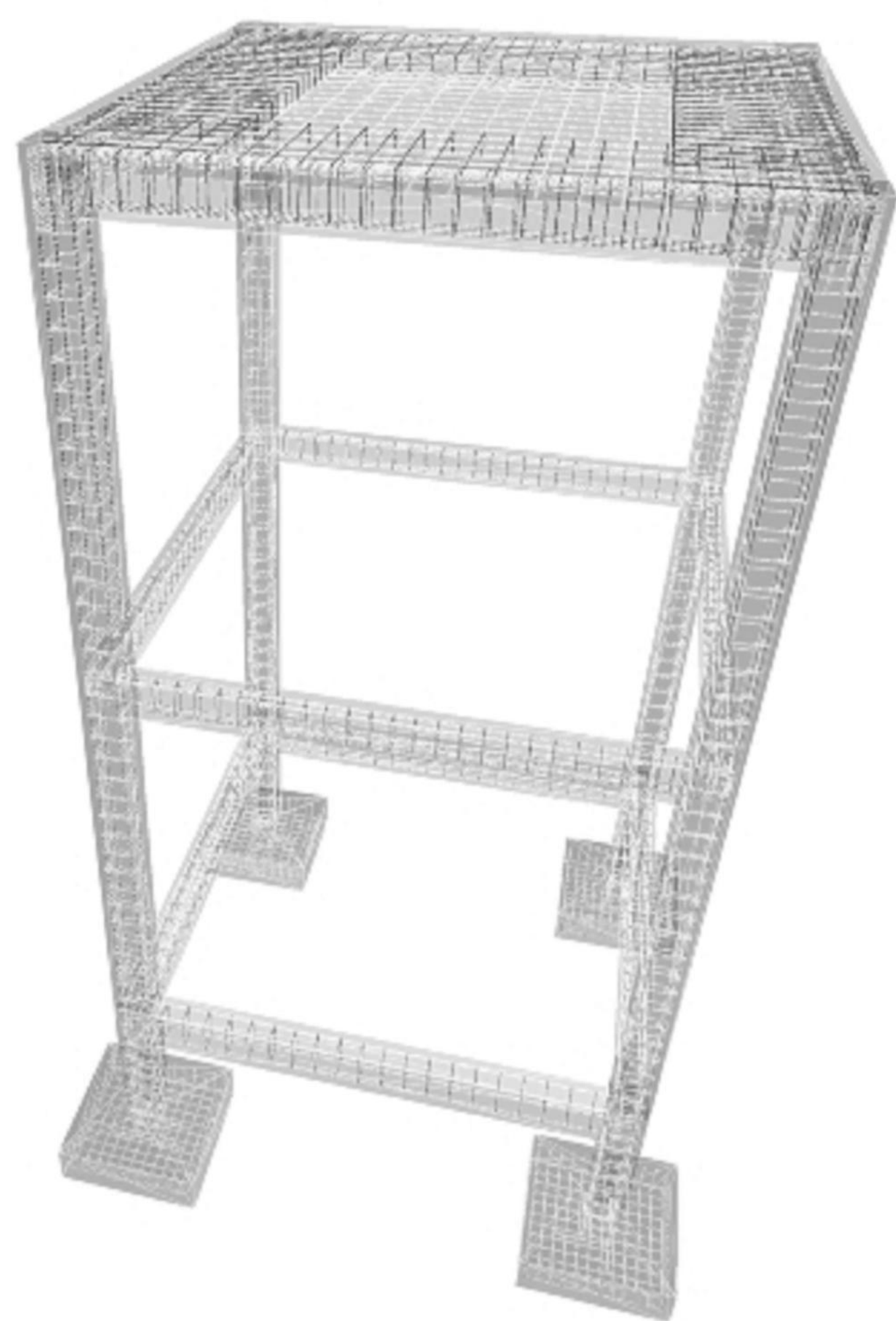


Corte A-A  
escala 1:50

[illegible]



[illegible]



The technical drawing shows a square frame assembly with the following dimensions and components:

- Overall Dimensions:** The total width and height are both 350 units.
- Inner Frame Dimensions:** The inner opening measures 300 units by 310 units.
- Component Labels:**
  - P1**: Top-left corner plate, labeled 20x25.
  - P2**: Top-right corner plate, labeled 20x25.
  - P3**: Bottom-left corner plate, labeled 20x25.
  - P4**: Bottom-right corner plate, labeled 20x25.
  - V1**: Top horizontal bar, labeled 20x30.
  - V2**: Bottom horizontal bar, labeled 20x30.
  - V3**: Left vertical bar, labeled 20x30.
  - V4**: Right vertical bar, labeled 20x30.
- Spacers:** Small rectangular spacers, labeled 20, are positioned between the corner plates and the bars.
- Dimensions:**
  - Horizontal segments: 25 (outer edge), 300 (inner opening), 25 (corner plate).
  - Vertical segments: 25 (outer edge), 310 (inner opening), 20 (bar thickness), 25 (corner plate).



Forma do pavimento  
BALDRAME (Nível 0)

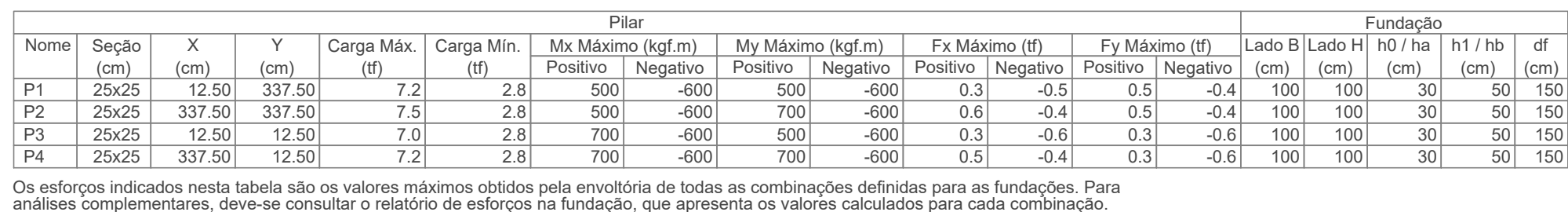
Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	20x30	0	0
V2	20x30	0	0
V3	20x30	0	0
V4	20x30	0	0

Características dos materiais	
fck (kgf/cm <sup>2</sup> )	Ecs (kgf/cm <sup>2</sup> )
250	241500

Dimensão máxima do agregado = 19 mm

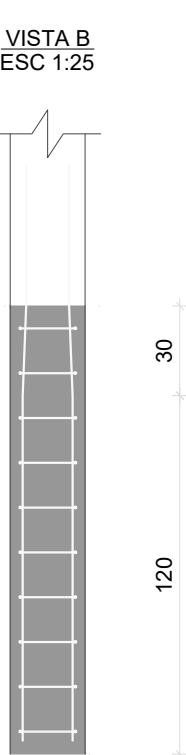
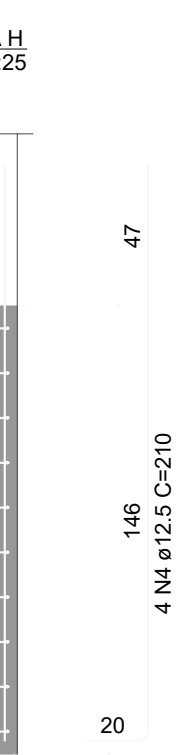
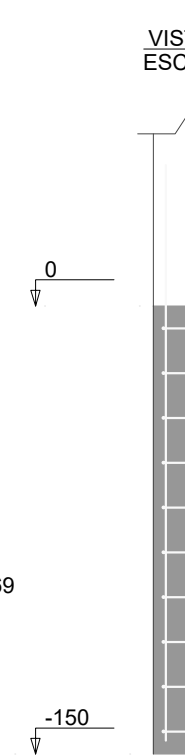
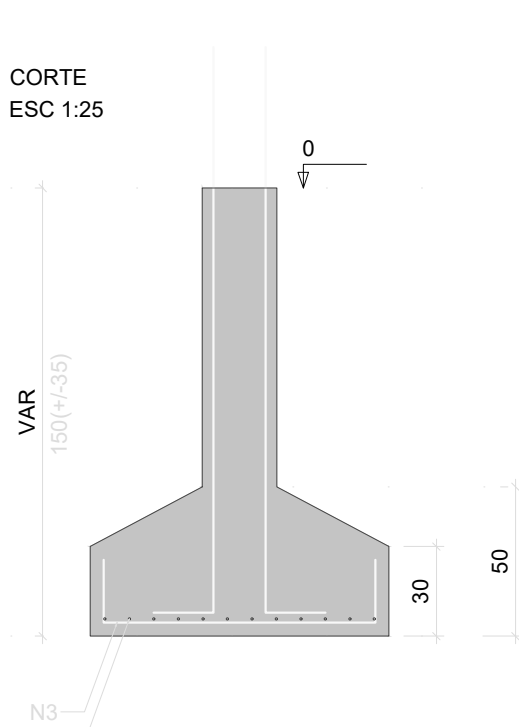
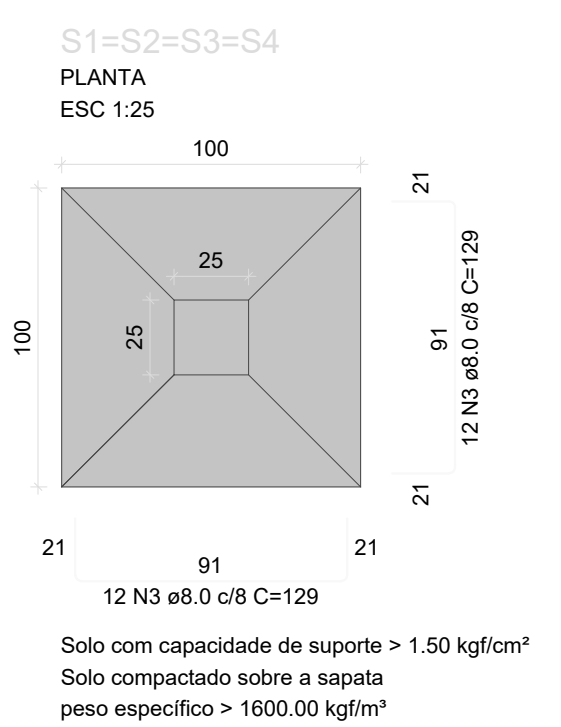
Pilares			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
P1	25x25	0	0
P2	25x25	0	0
P3	25x25	0	0
P4	25x25	0	0

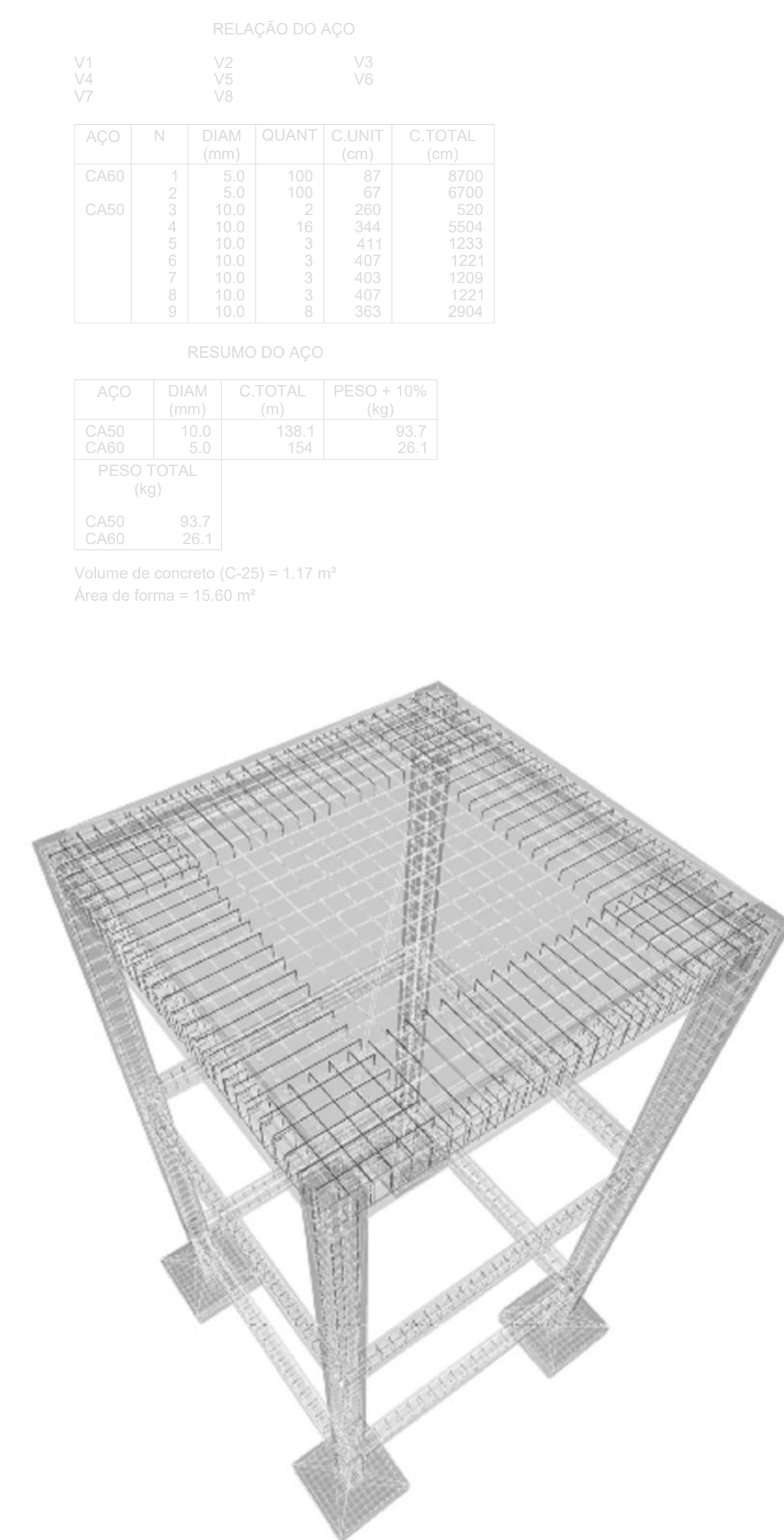
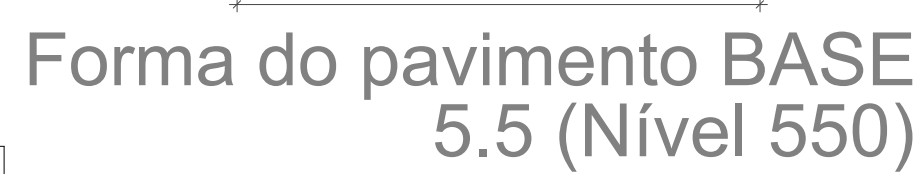
Legenda dos pilares	
	Pilar que passa
Legenda das vigas e paredes	
	Viga



Localização no eixo X	
Coordenadas (cm)	Nome
12.50	P1, P3
337.50	P2, P4

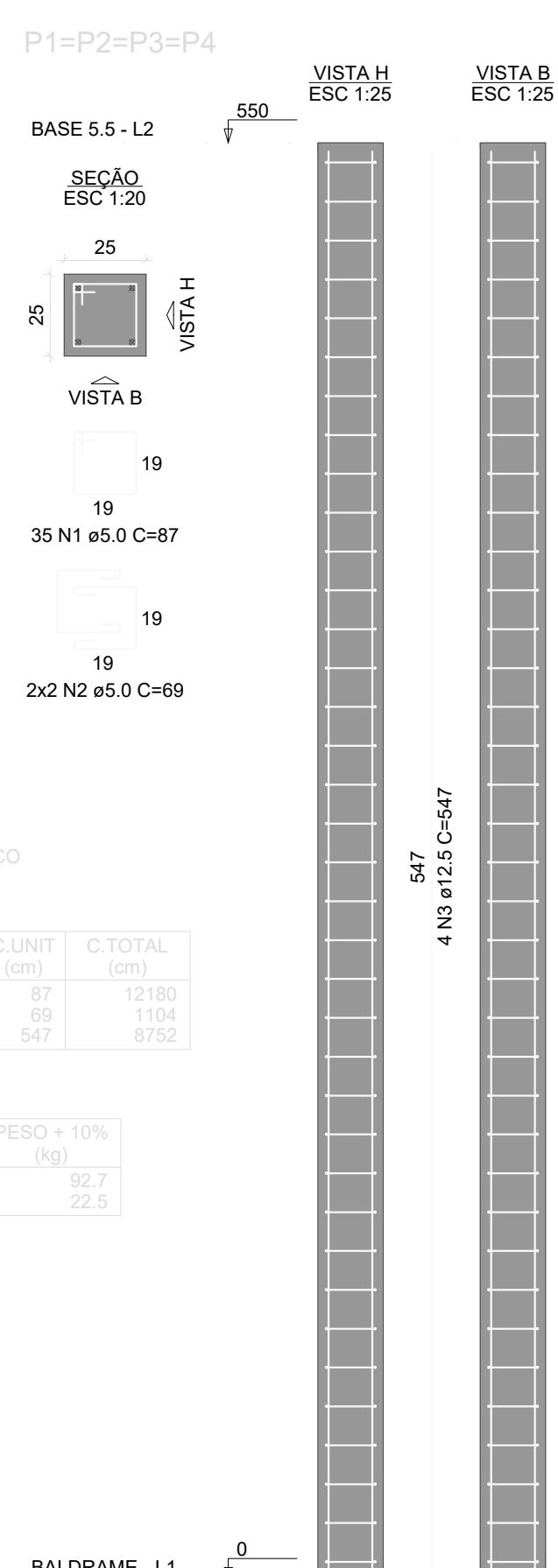
Localização no eixo Y	
Coordenadas (cm)	Nome
337.50	P1, P2
12.50	P3, P4





## PÓRTICO 3D

RESUMO DO AÇO			
AÇO	DIAM. (mm)	C TOTAL (m)	PESO + 10% (kg)
CA50	12,5	87,5	82,7
CA60	5,0	132,8	22,2



GOVERNO DO ESTADO DE RONDÔNIA  
GOVERNO: MARCOS JOSÉ ROCHA DOS SANTOS

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