



## LICITACIÓN PÚBLICA NACIONAL N° 027/16 – PROMEDU III

### PROVINCIA DE CORDOBA

### CIRCULAR CON CONSULTA N° 2

De acuerdo con lo previsto en la Cláusula 11. de las Instrucciones a los Oferentes, se emite la presente Circular con las siguientes disposiciones:

**Pregunta N° 1:**

Solicitamos aclarar los distintos tipos de hormigón pues se pide en página 10, H21 para fundaciones y H30 para columnas y vigas. Sin embargo en página 13, según estudio de suelo se solicita H13 para pozos y fundaciones y H30 para columnas y vigas. Y en planos se indica H21 para vigas columnas y losas.

Cuáles serían los tipos de hormigón para pozos romanos, cual para cabezales y vigas riostras, cual para columnas, vigas, losas, tabiques, aleros, etc.

**Respuesta:**

Corresponde utilizar según "Memoria de cálculo La Dormida. pdf" en el punto 9.1 (pág.20), hormigón H21 para todos los elementos Estructurales.

**Pregunta N° 2:**

Falta la sección de viga riostras VR y su cuantía.

**Respuesta:**

La sección de la VR será de 0,30 x 0,50 m (armadura superior 3 diám. 16, armadura inferior 3 diám. 16, estribos 1 diám. 6 cada 15 cm.).

**Pregunta N° 3:**

Las armaduras para los cabezales de 0,80 x 0,80 x 0,60 se usarán los indicados en los cabezales de 1,00 x 1,00 x 0,60.

**Respuesta:**

Las armaduras para los cabezales de 0,80 x 0,80 x 0,60 están indicadas en archivo "04-ESTRUCTURA LA DORMIDA. dwg" solapa fundaciones Plano N°04-01, arriba a la izquierda de la lámina.

**Pregunta N° 4:**

Solicitamos cuantías para las vigas, para las columnas, para las losas de 0,20; losas de 0,15; losas de 0,10; dinteles; etc.

**Respuesta:**

Remitirse a los archivos adjuntos

- 01-fundación columnas La Dormida-x.dwg;
- 03-Estructura Losas La Dormida-x.dwg;
- 02 Estructura Aulas La Dormida-x.dwg.

Ing. Francisco Puertas  
Coordinador Ejecutivo  
Préstamo BID

Programa Nacional de Escuelas  
Secretaría de Obras Públicas



**Pregunta N° 5:**

Solicitamos indicar la cantidad total de letras de A° I° de 0,20 de altura c/u a cotizar

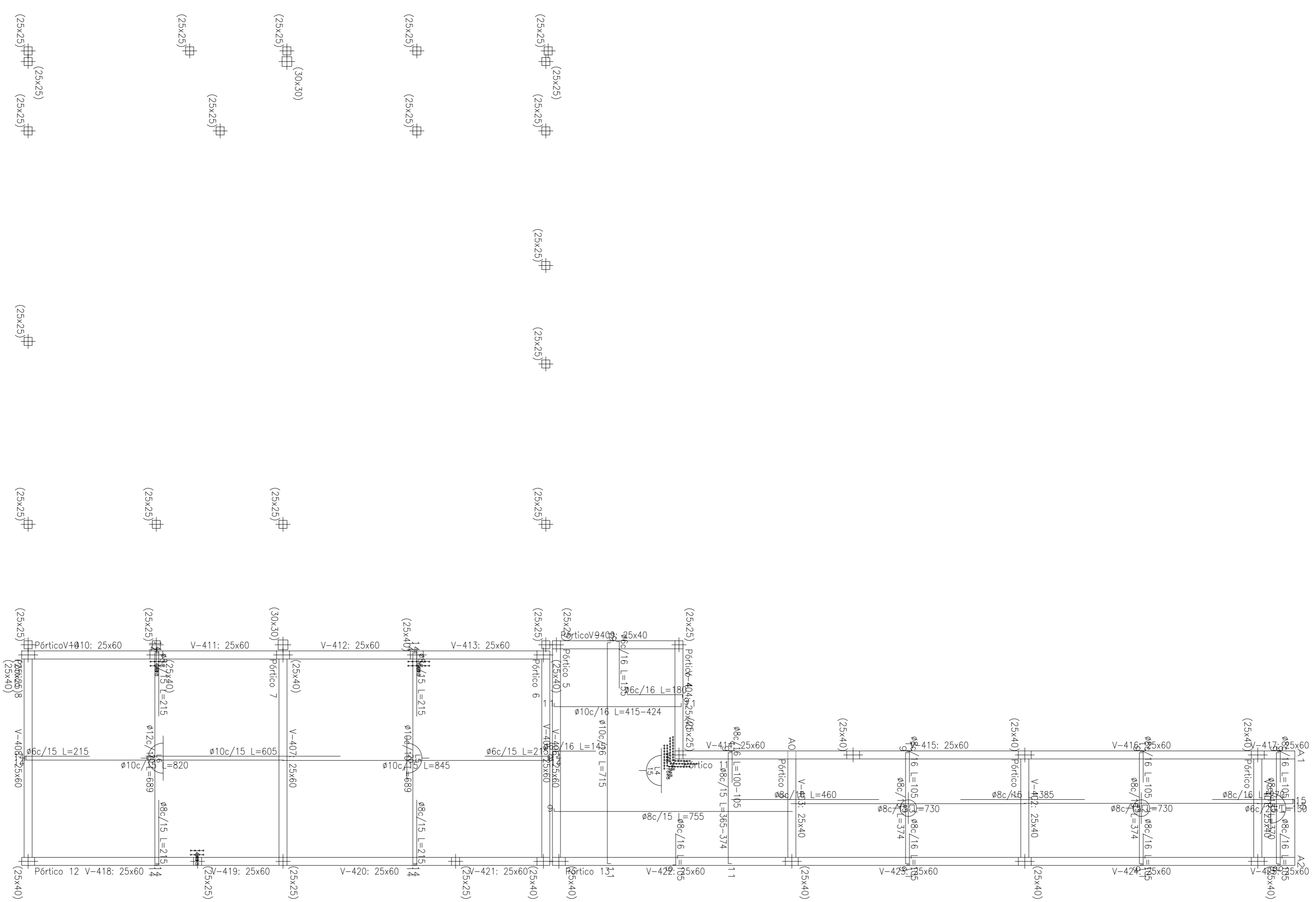
**Respuesta:**

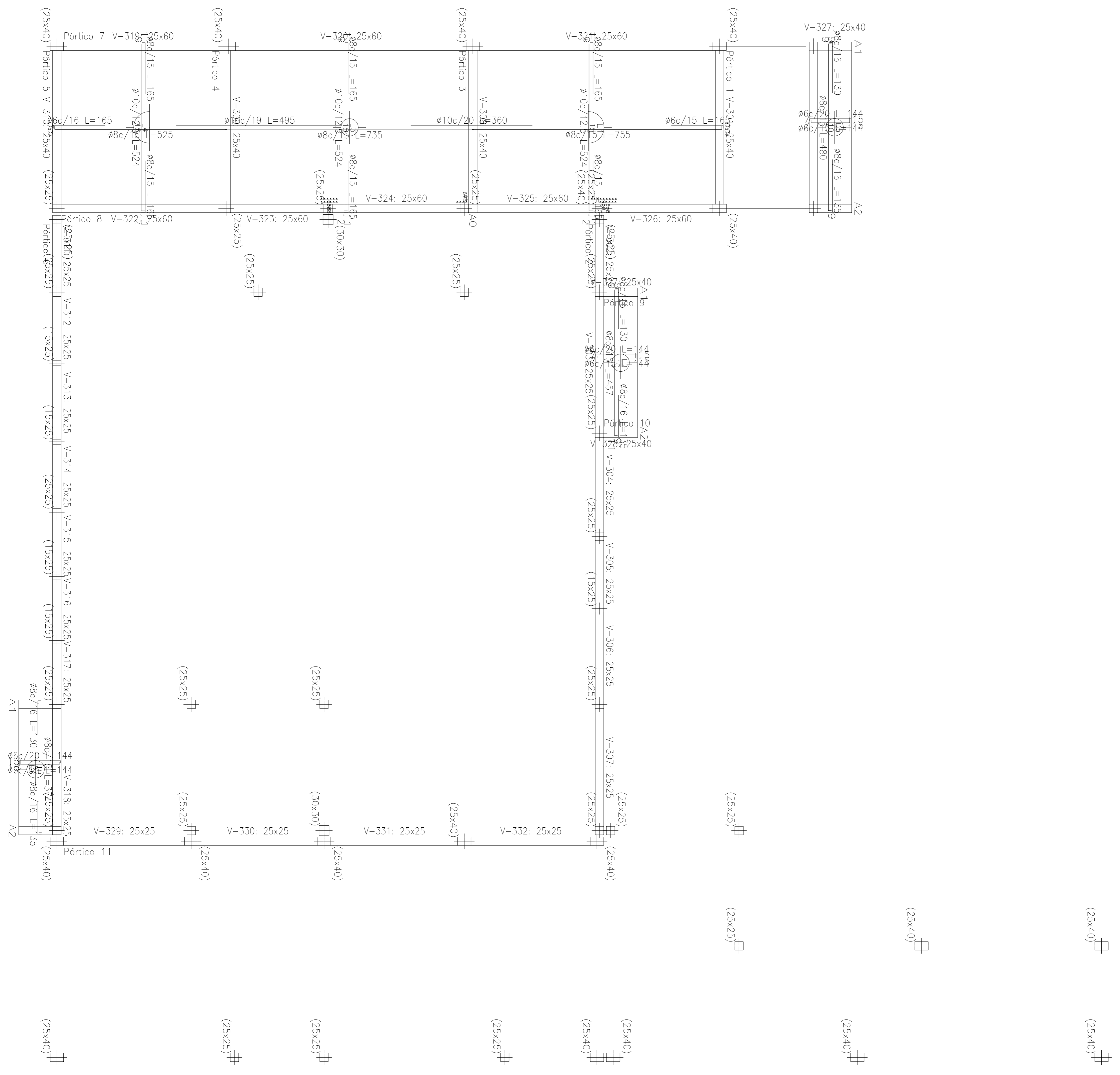
La cantidad de letras a cotizar es de 20 (veinte).

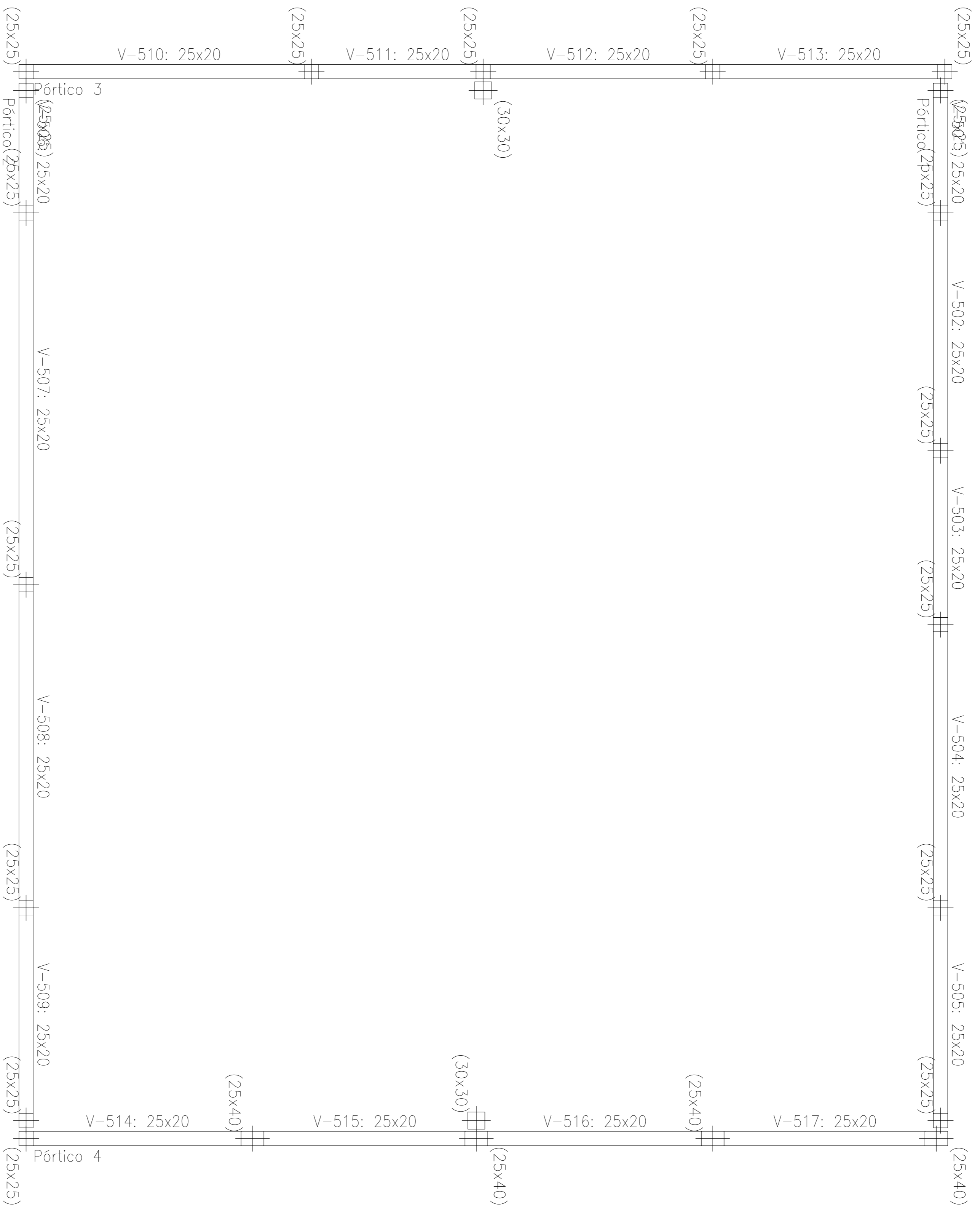
Córdoba, 19 de septiembre de 2016.

Ing. Francisco Puertas  
Coordinador Ejecutivo  
Préstamo BID  
Programa Nacional de Escuelas  
Secretaría de Obras Públicas

Estructura sobre HALL  
Replanteo  
Hormigón: H-21  
Acero en losas: AN-420  
Escala: 1:100



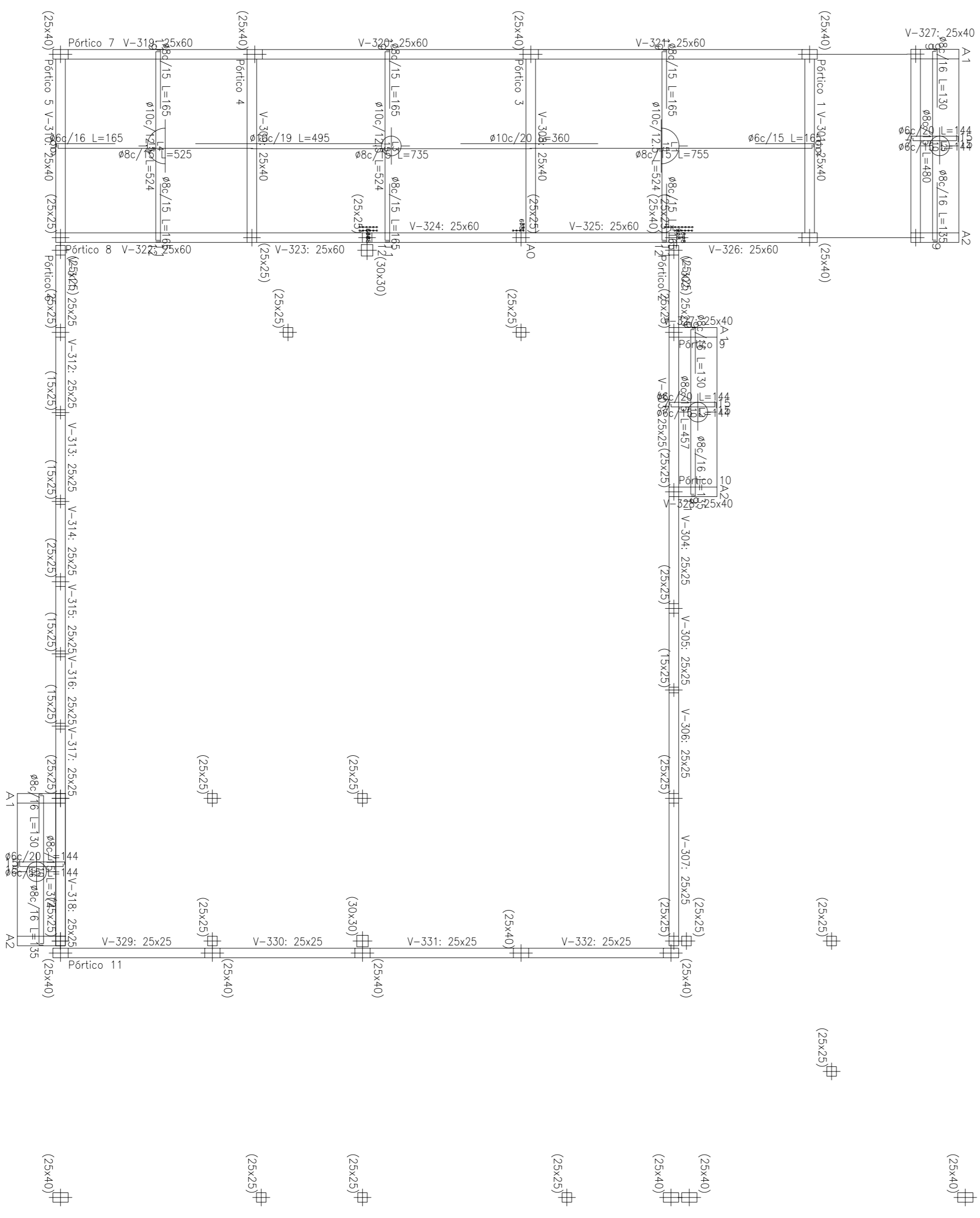




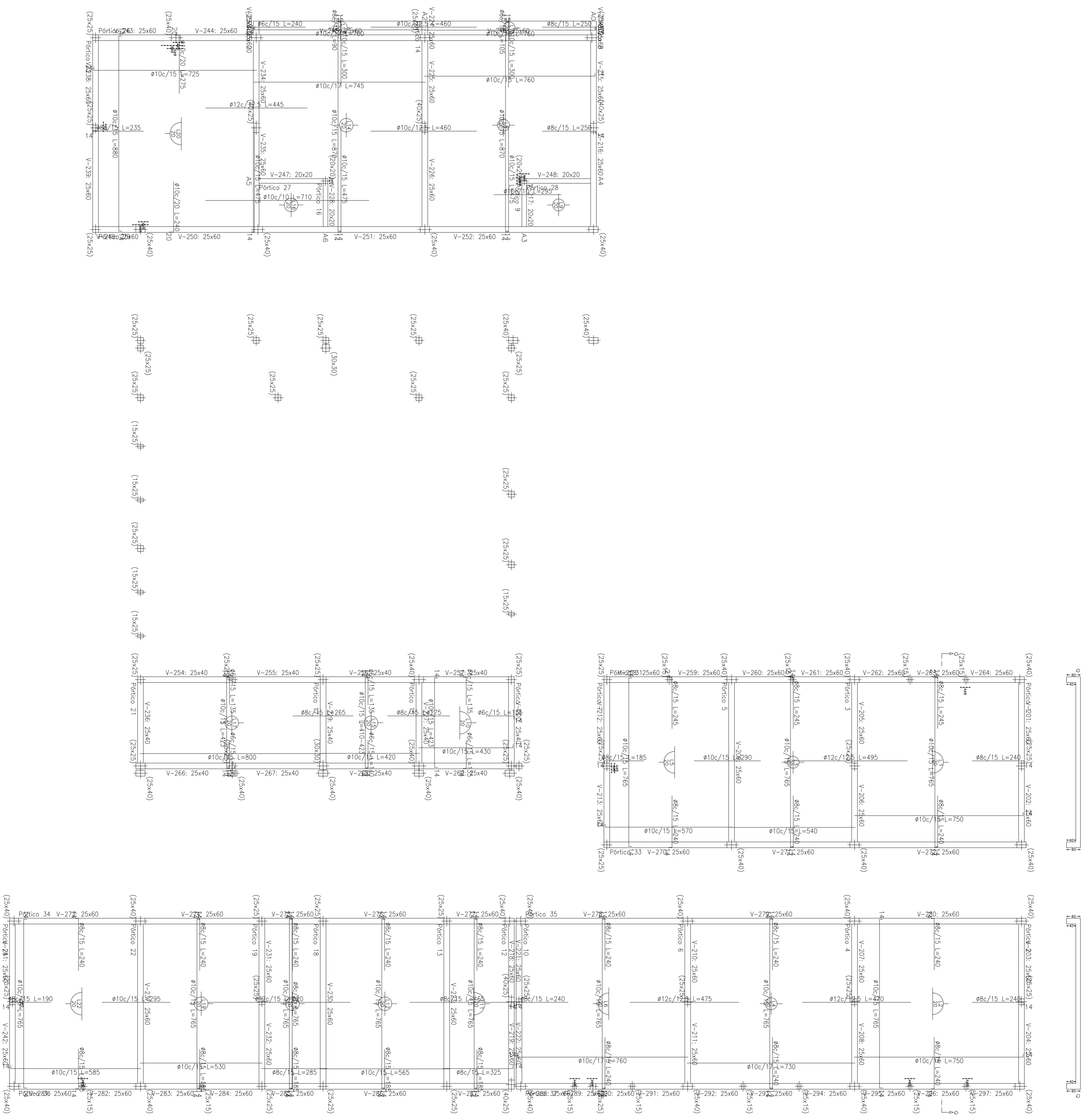
Coronamiento  
 Replanteo  
 Hornigón: H-21  
 Escala: 1:100



Estructura sobre circulación  
 Repetición H-21  
 Aceros en lazo: ADN-420  
 Escala: 1:100



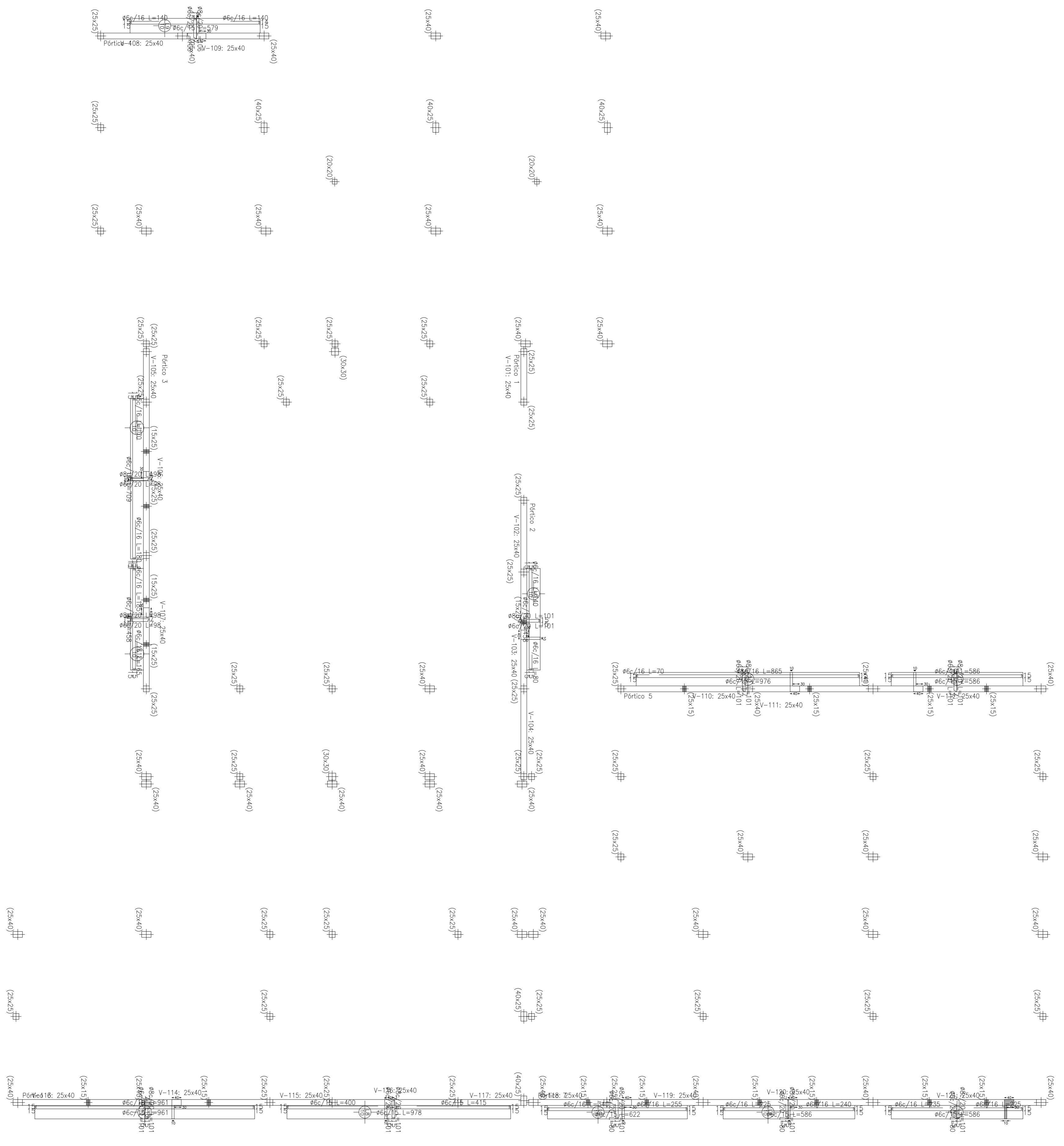
Estructura sobre cimientos  
 Repetición H-21  
 Aceros en losas AN-420  
 Escala: 1:100



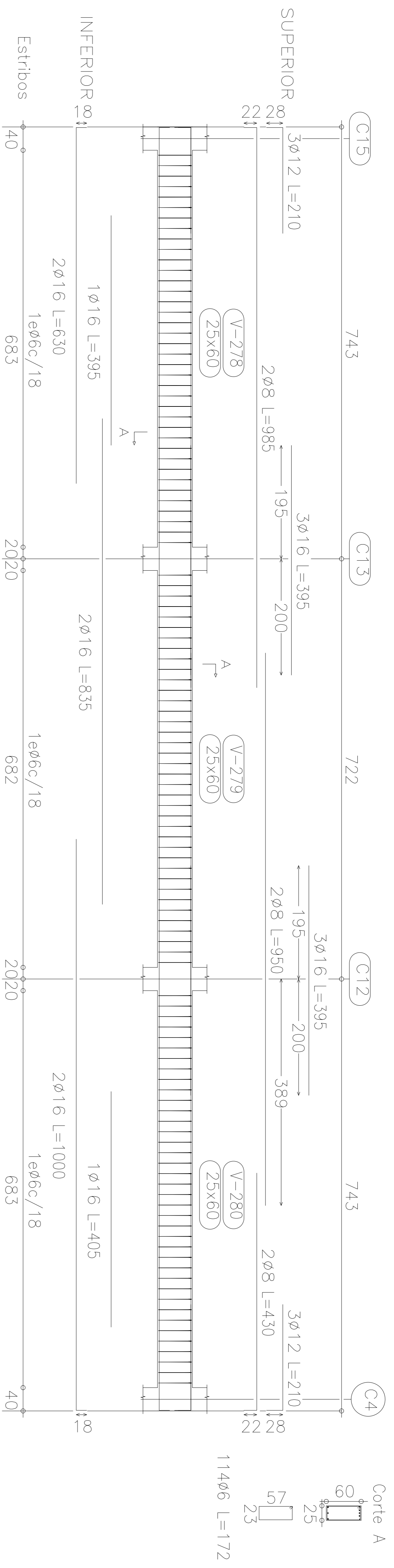




Planos  
 Estructura  
 Homólogo: H-21  
 Aceros en lasas: A81N-420  
 Escala: 1:100

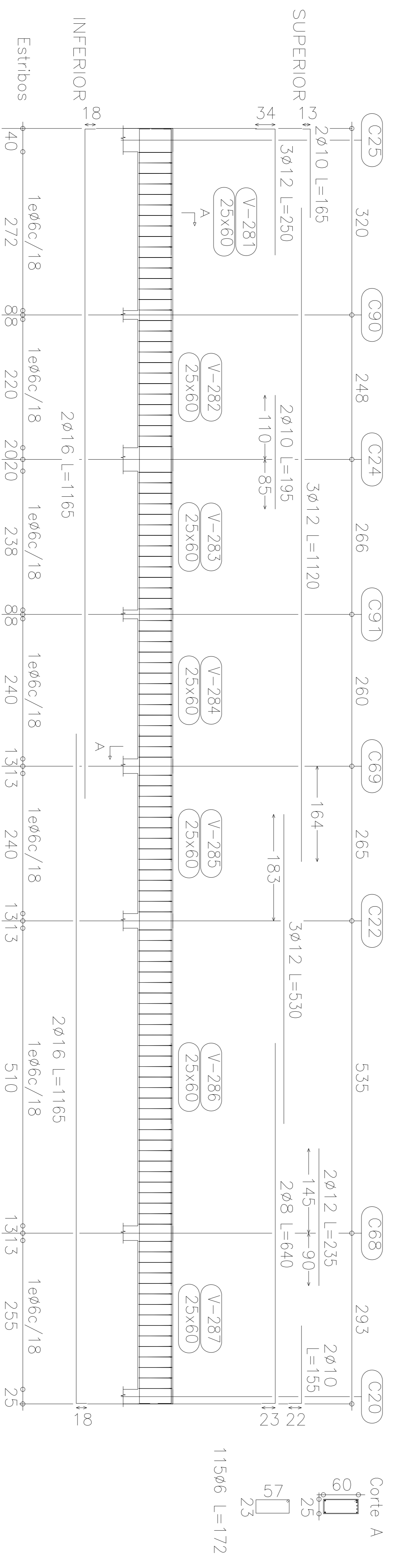


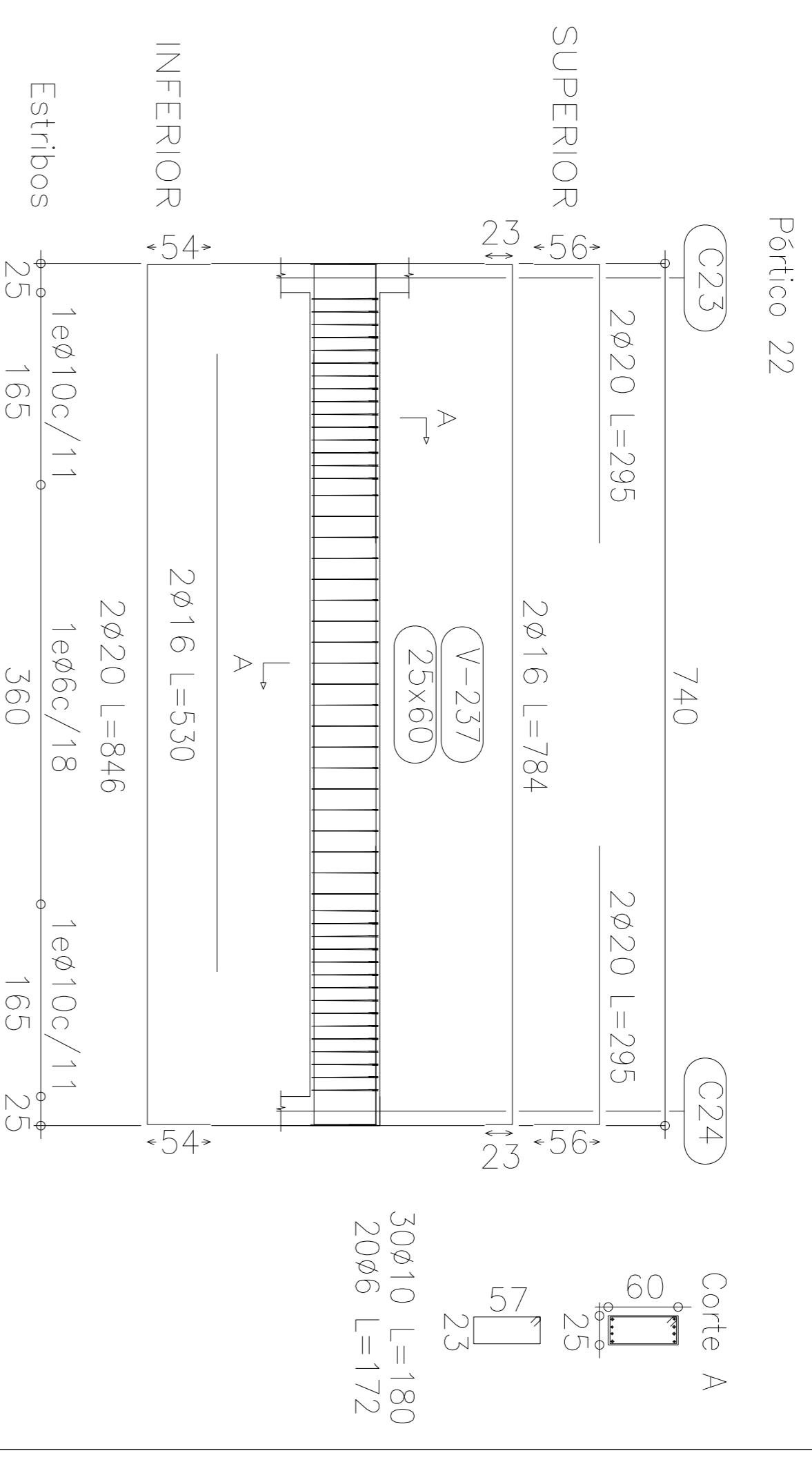
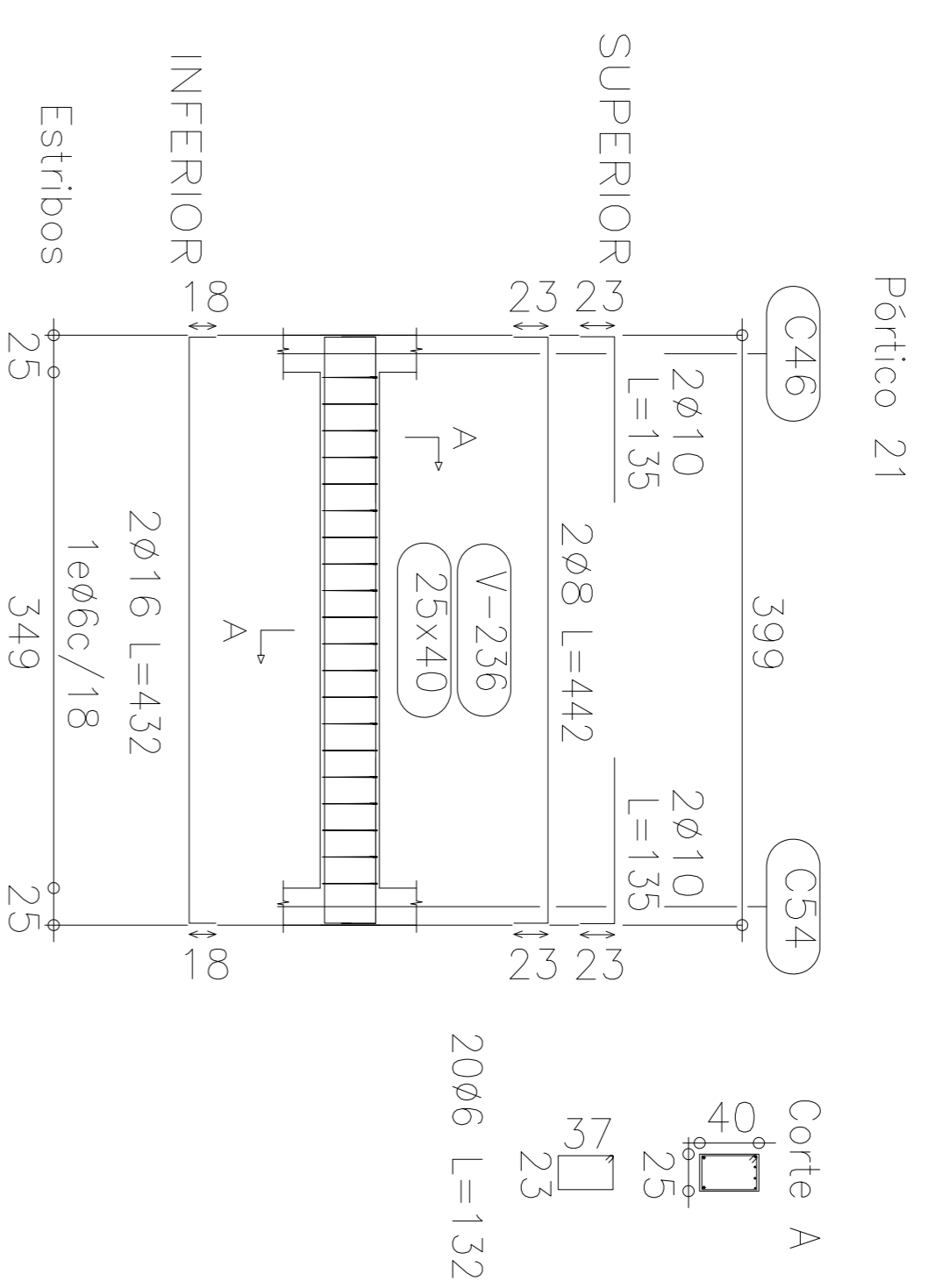
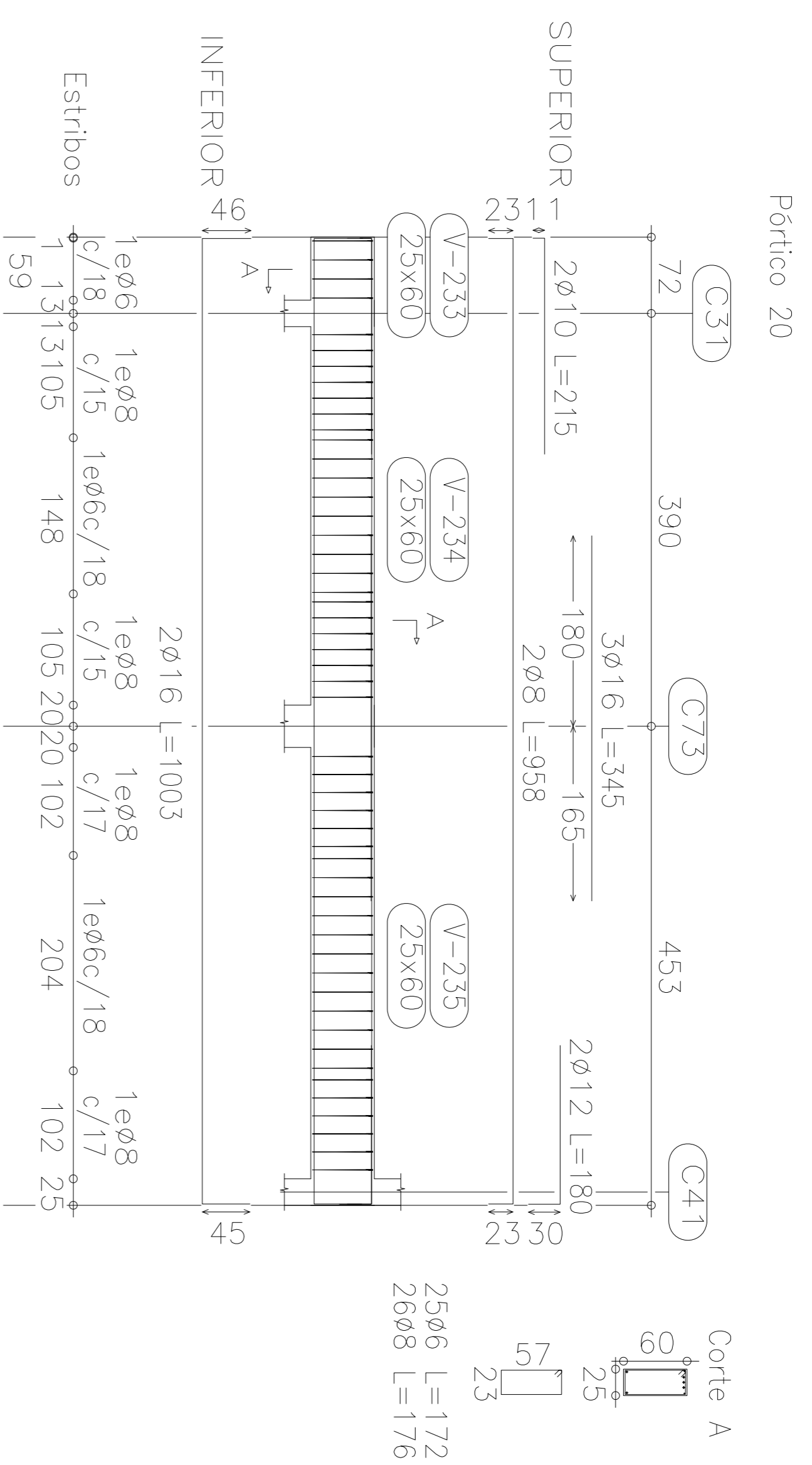
Pórtico 35



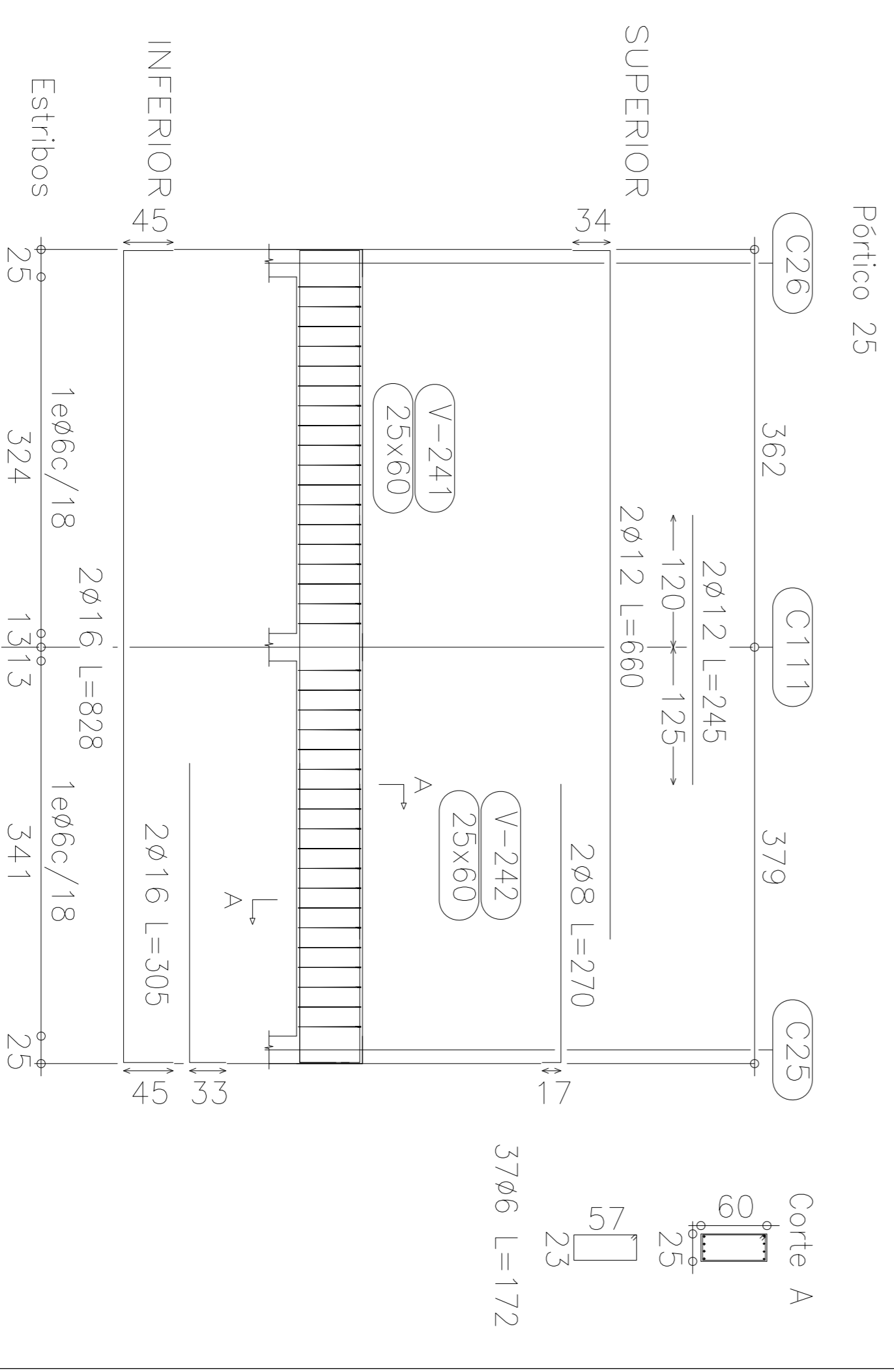
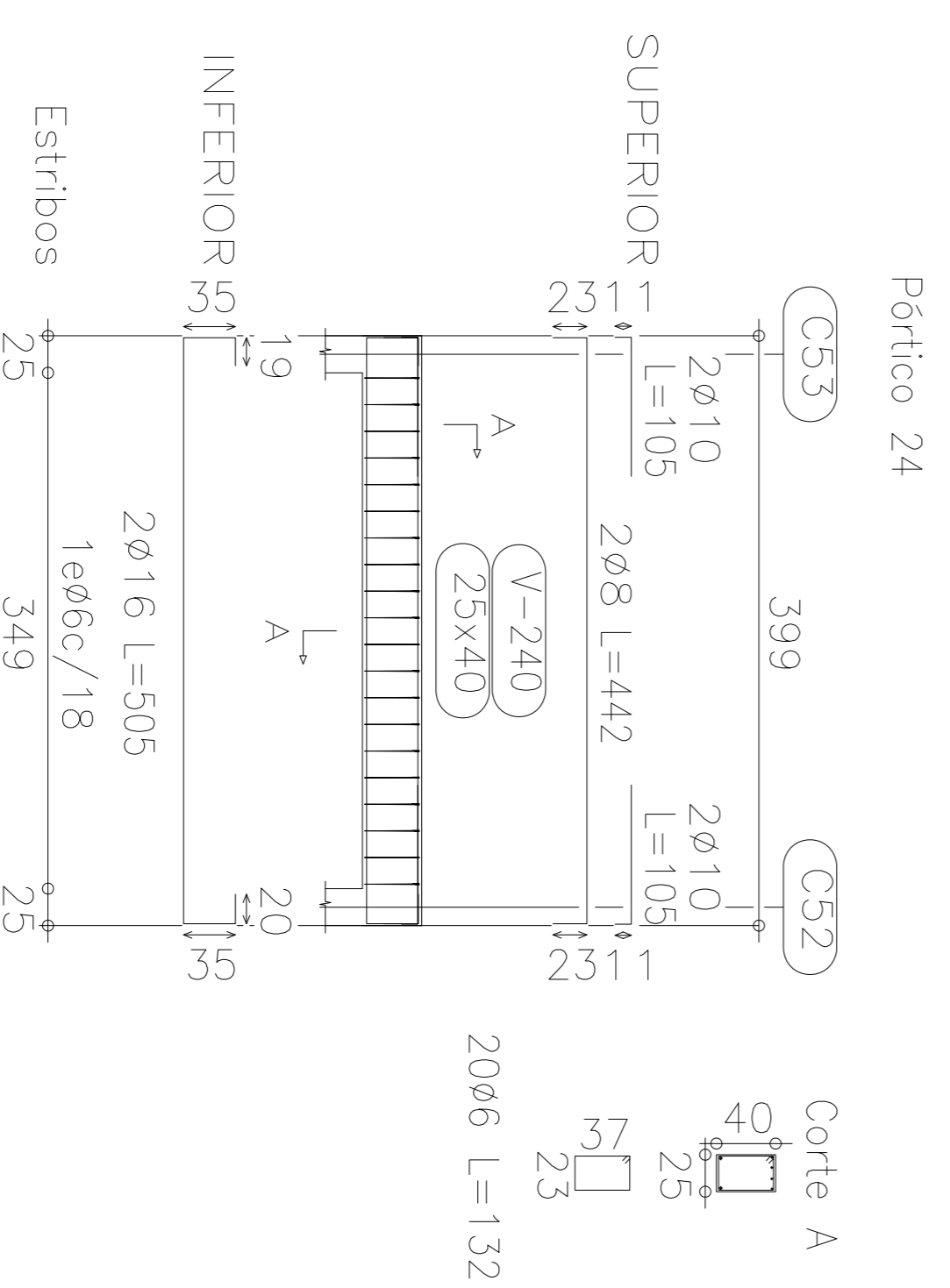
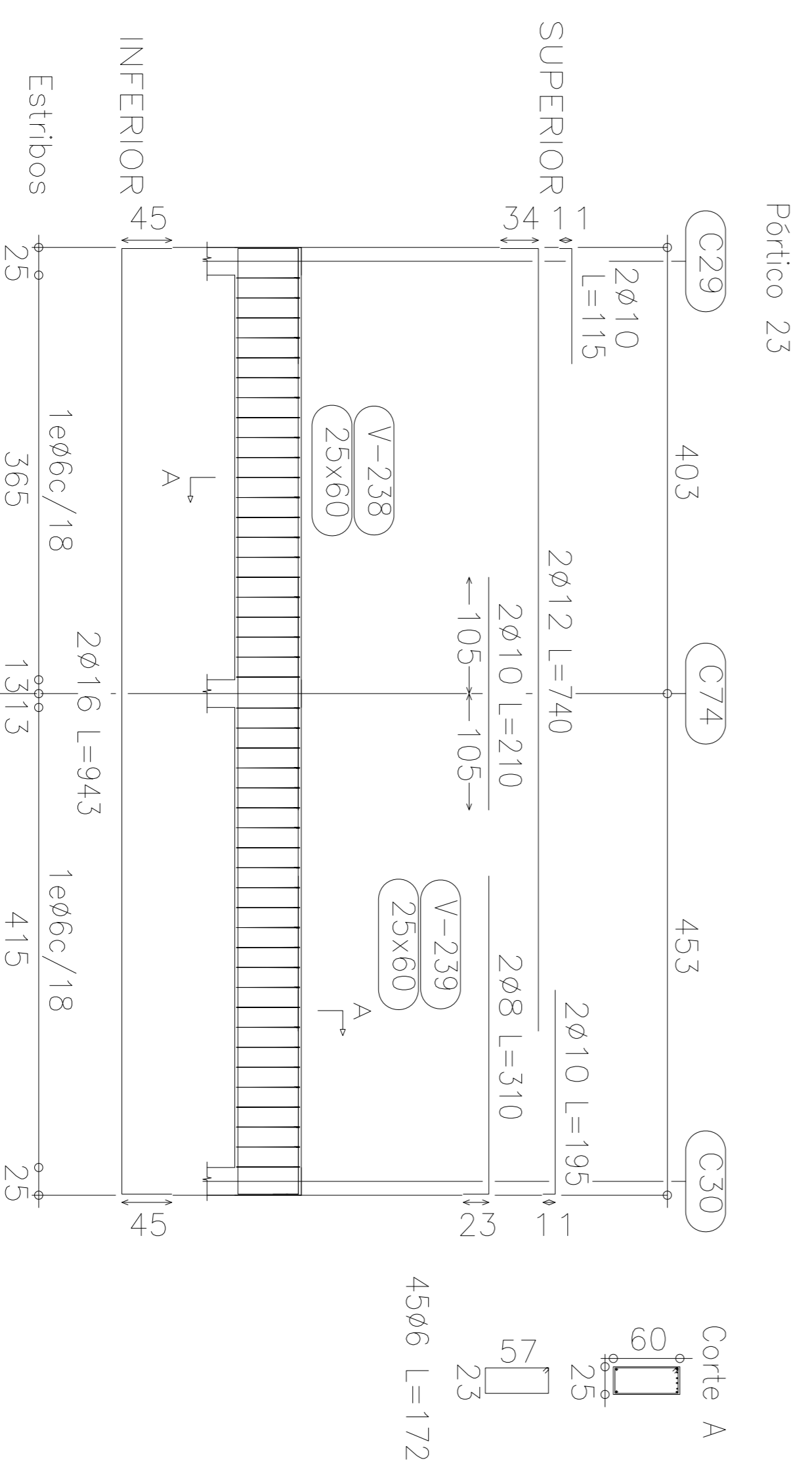
Estructura sobre culas  
 Despiece de vigas  
 Hormigón: H-21  
 Acero: ADN-420  
 Escala: 1:100

Pórtico 36

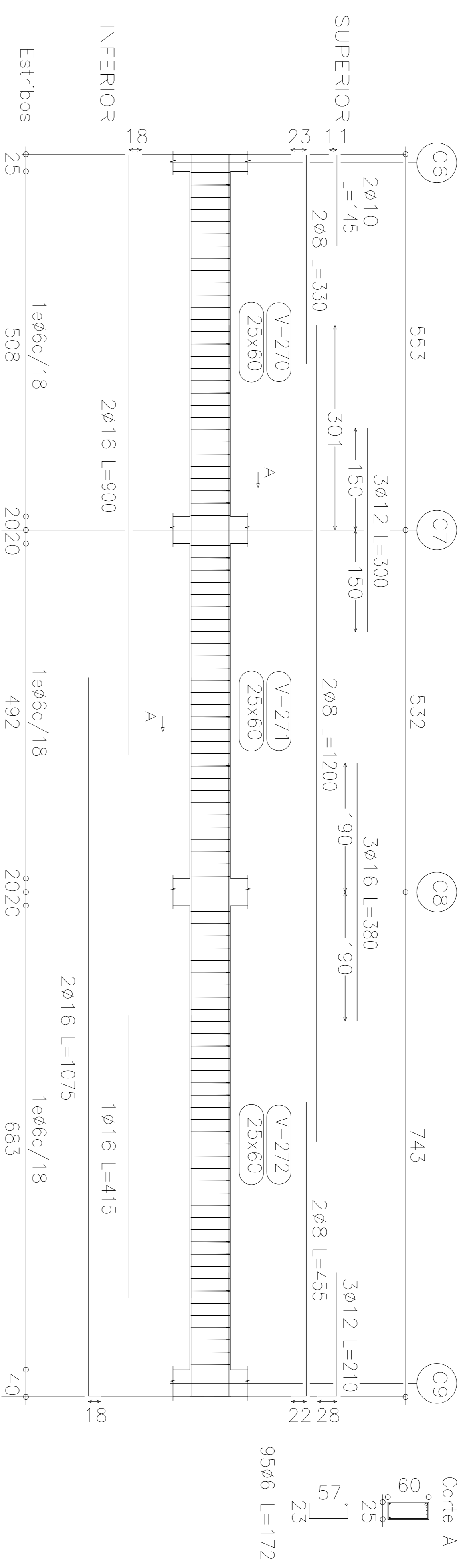




Estructura sobre oculas  
 Despiece de vigas  
 Hormigón: H-21  
 Acero: ADN-420  
 Escala: 1:100

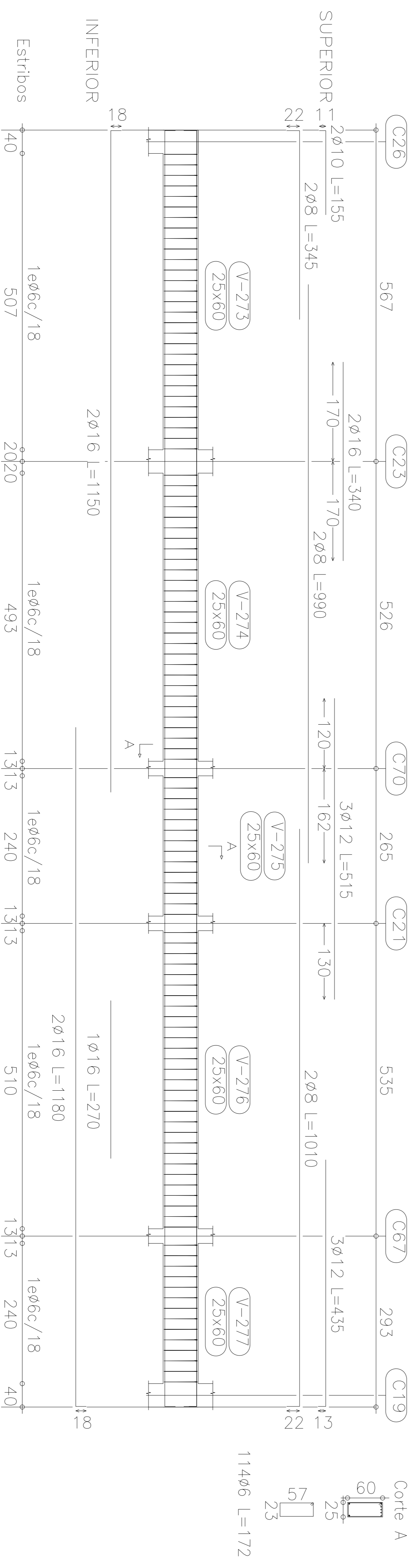


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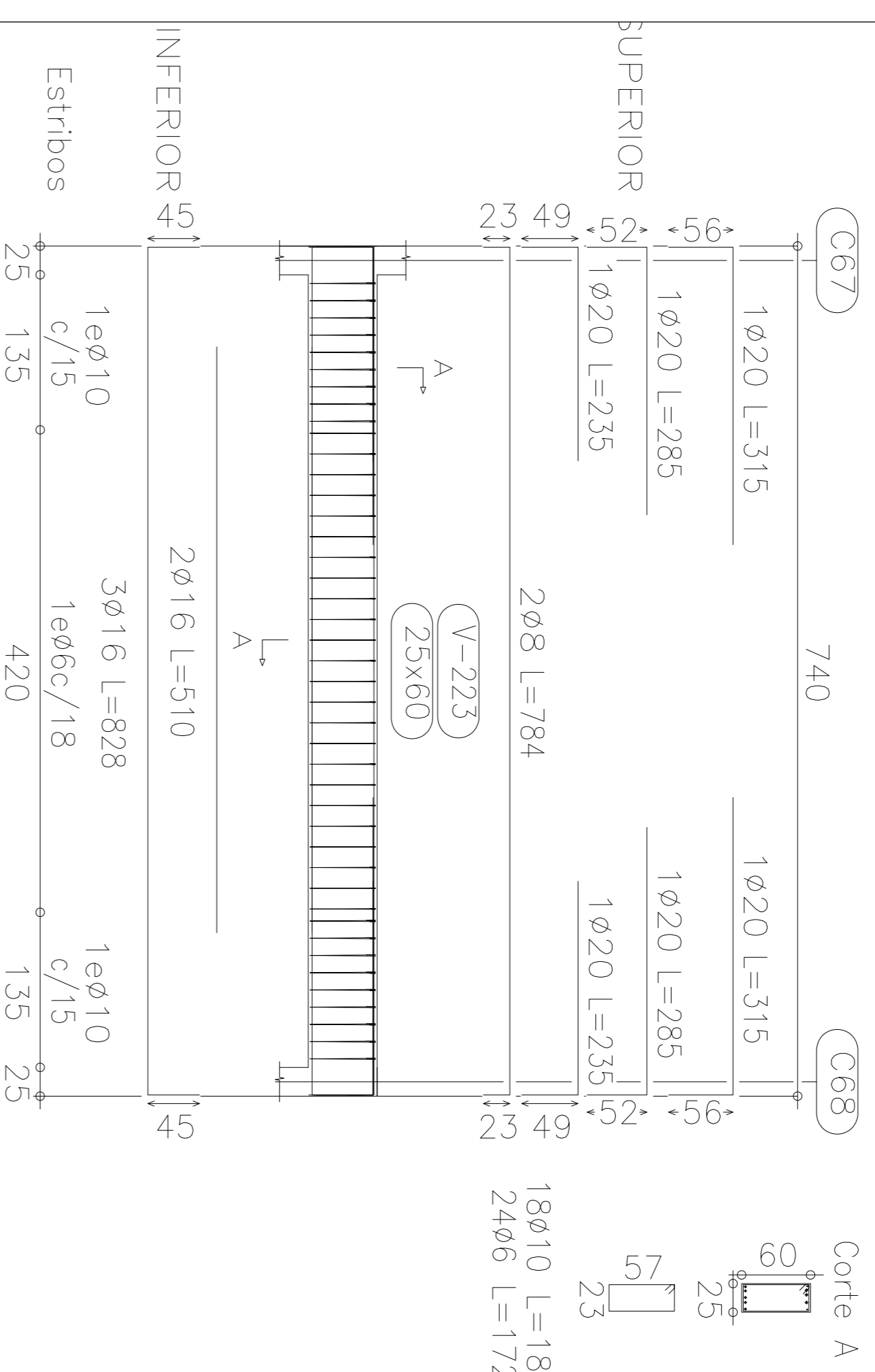


Estructura sobre aulias  
 Despiece de vigas  
 Hormigón: H-21  
 Acero: ADN-420  
 Escala: 1:100

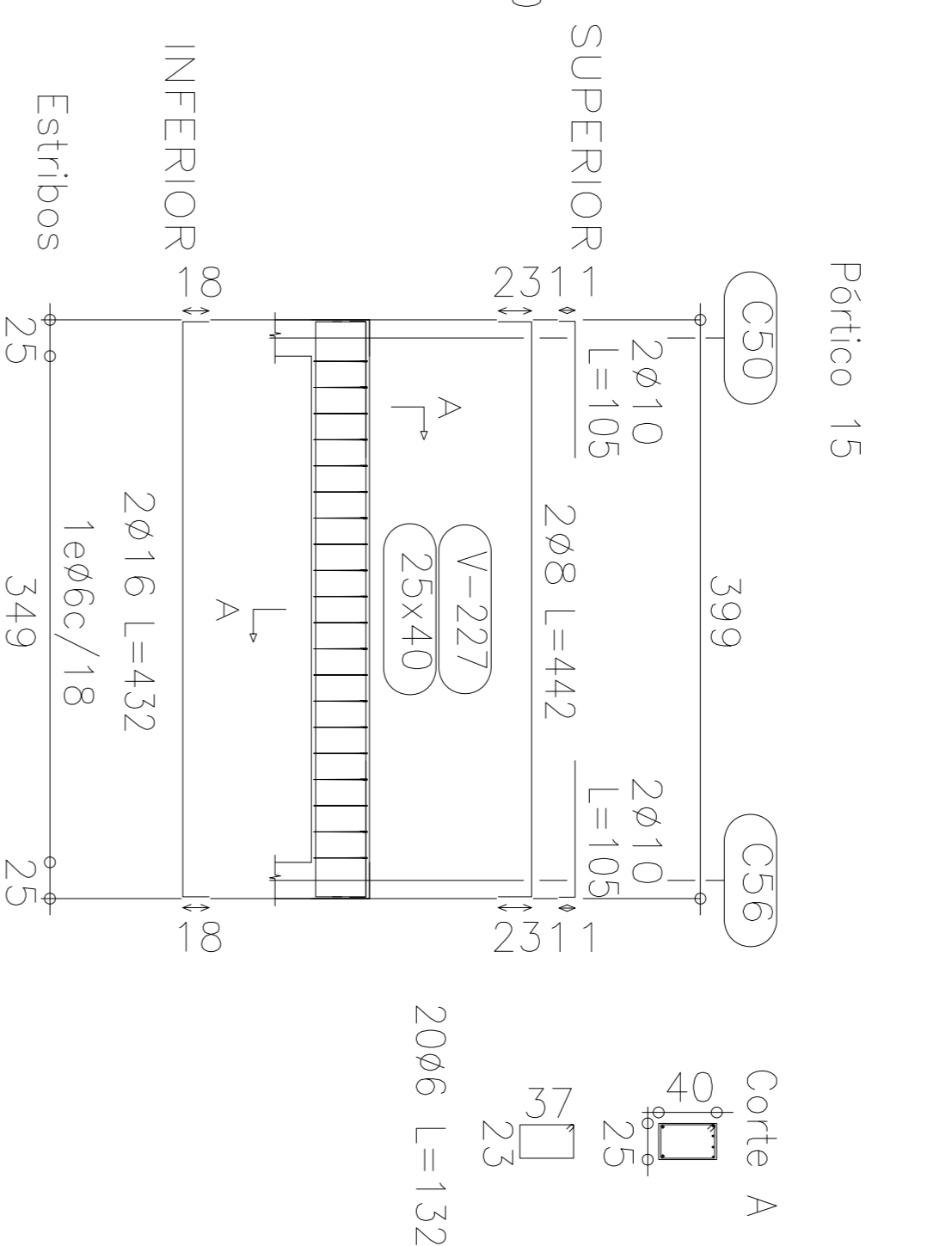
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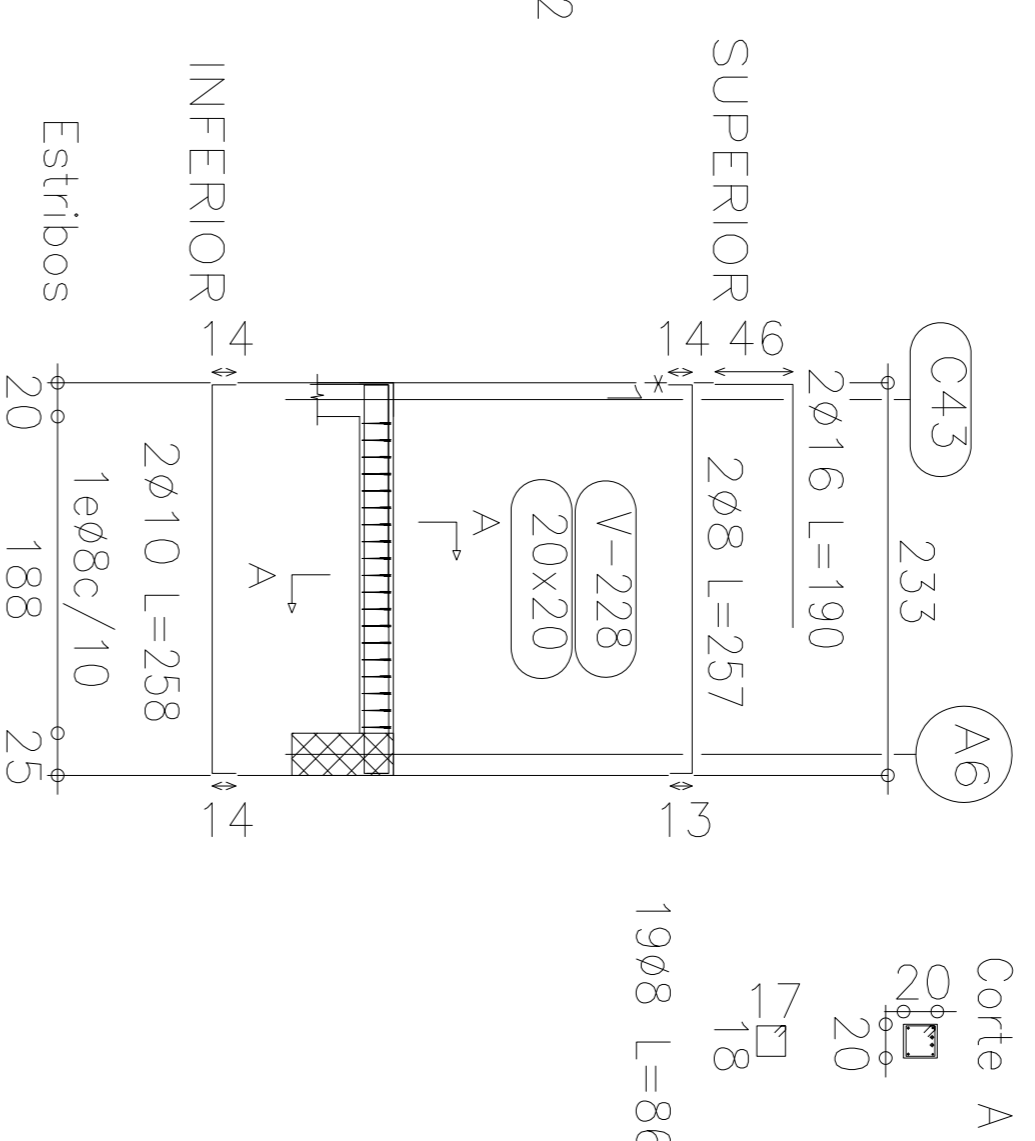
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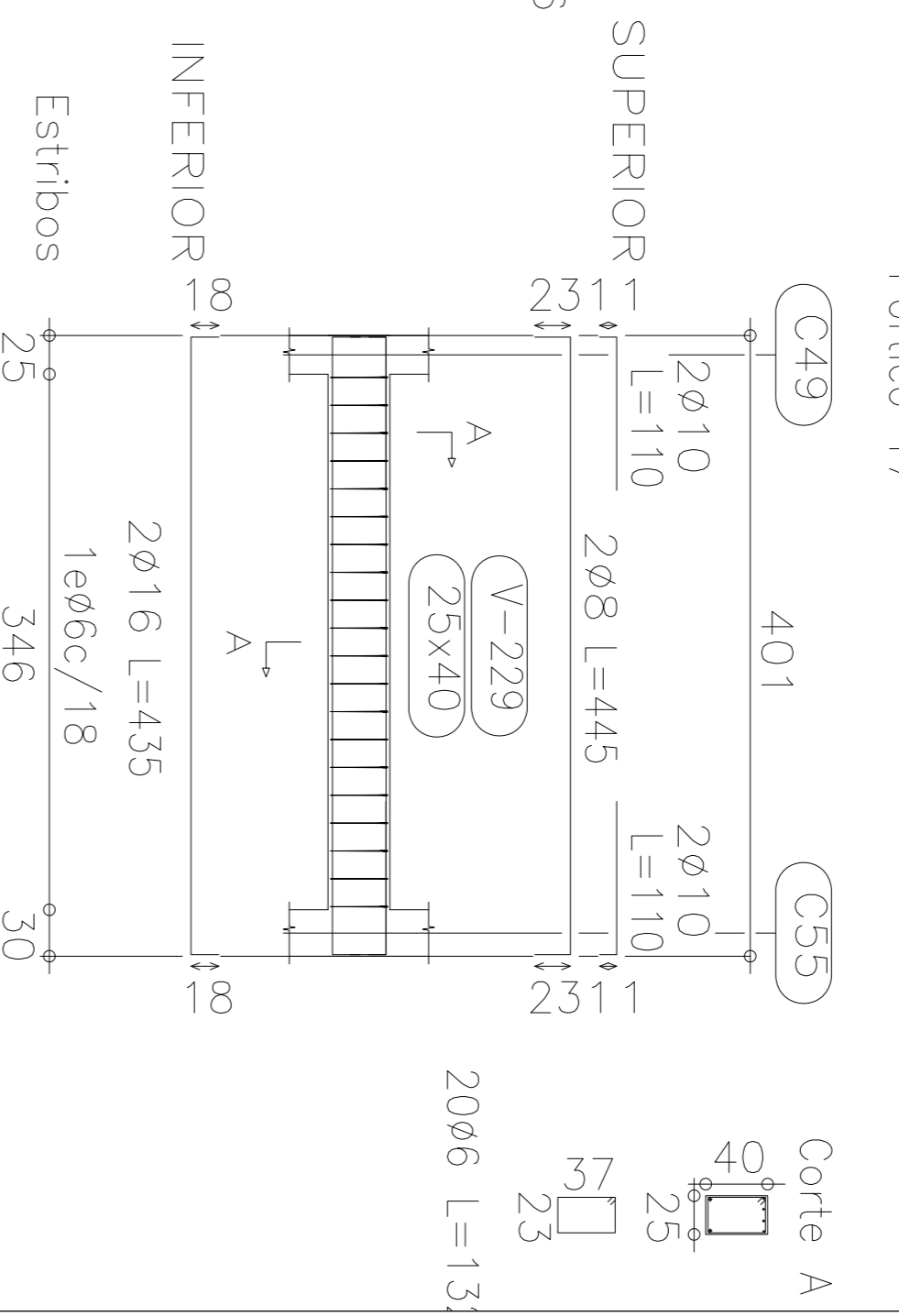
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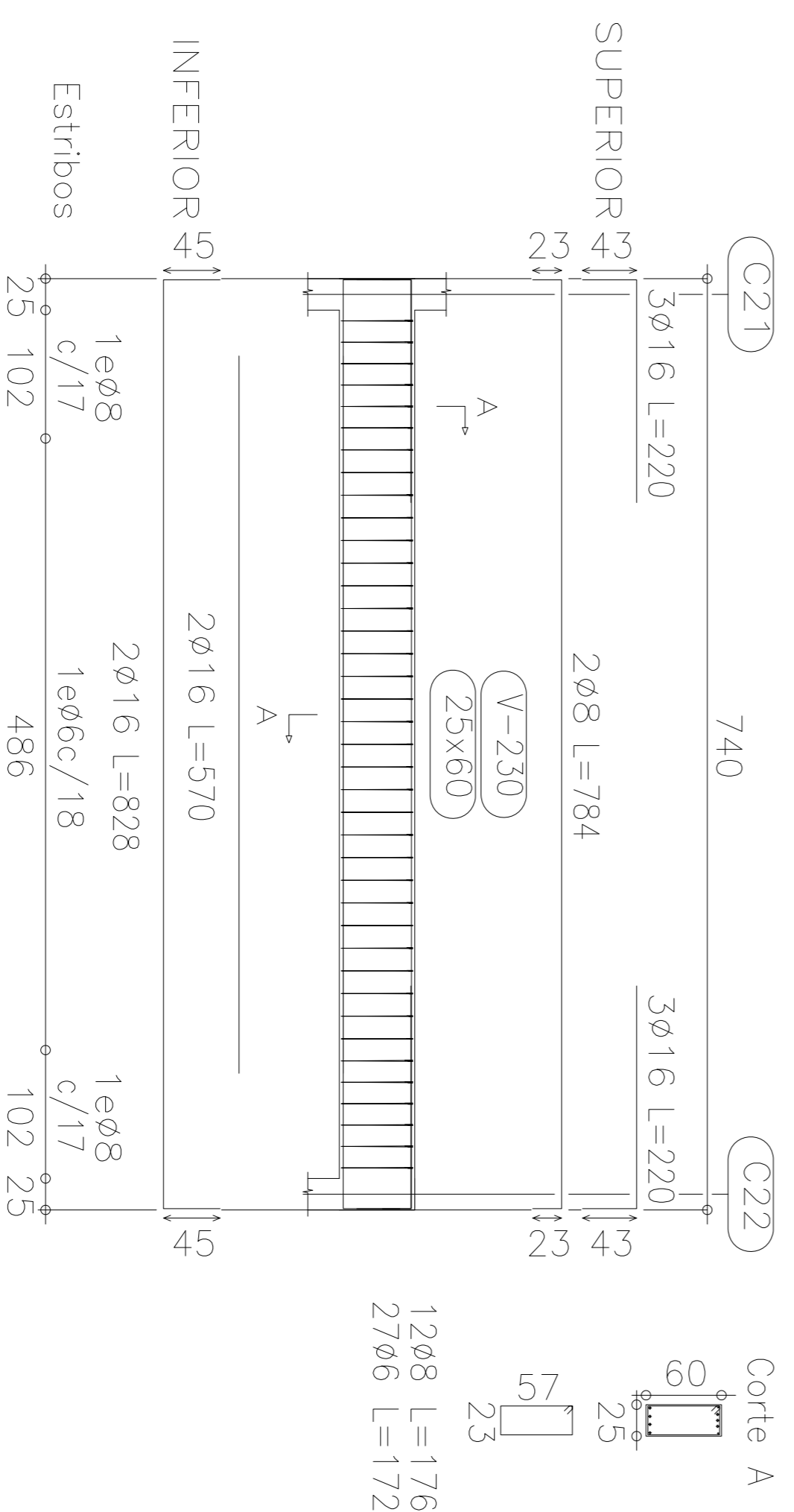
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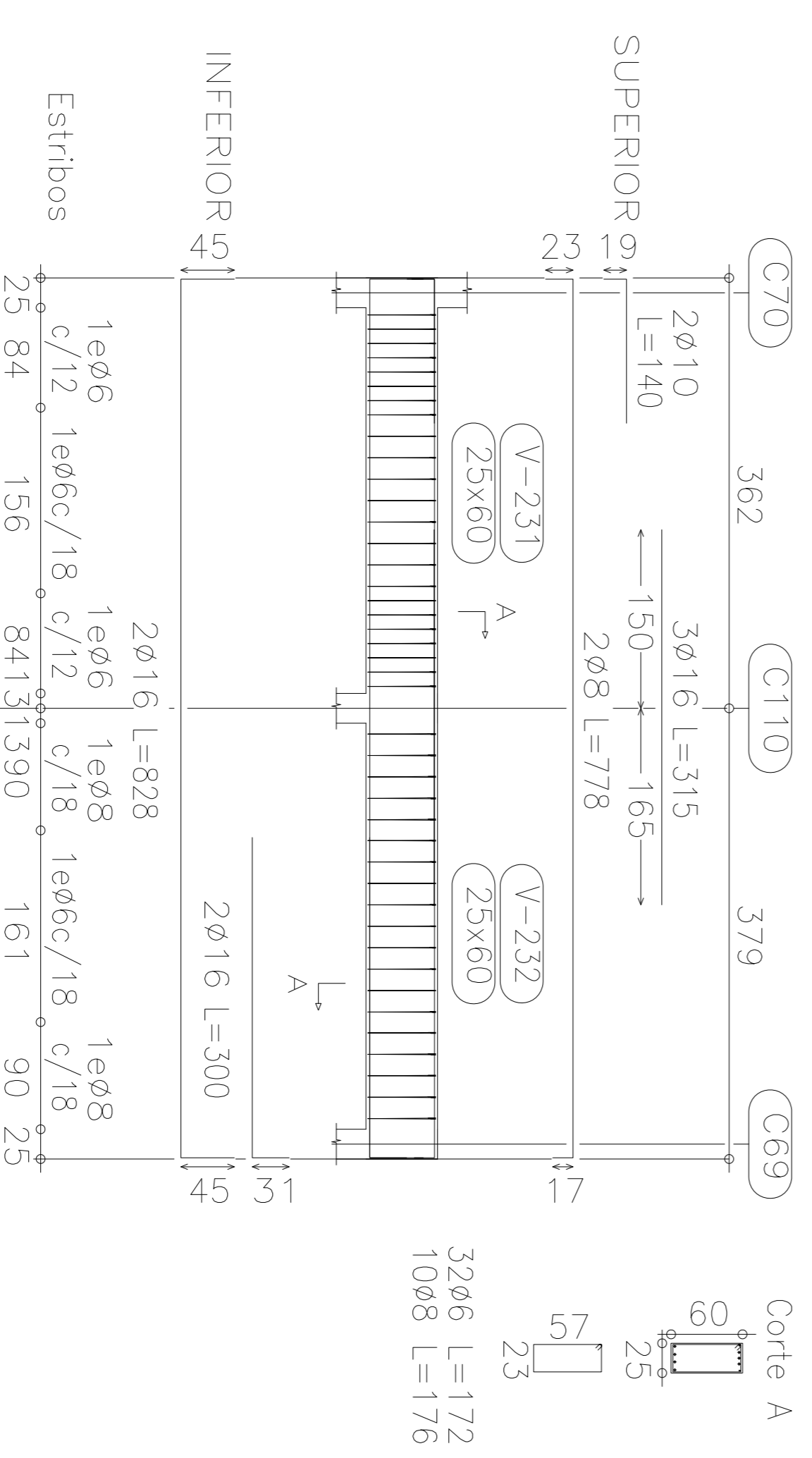
Pórtico 17



Pórtico 18

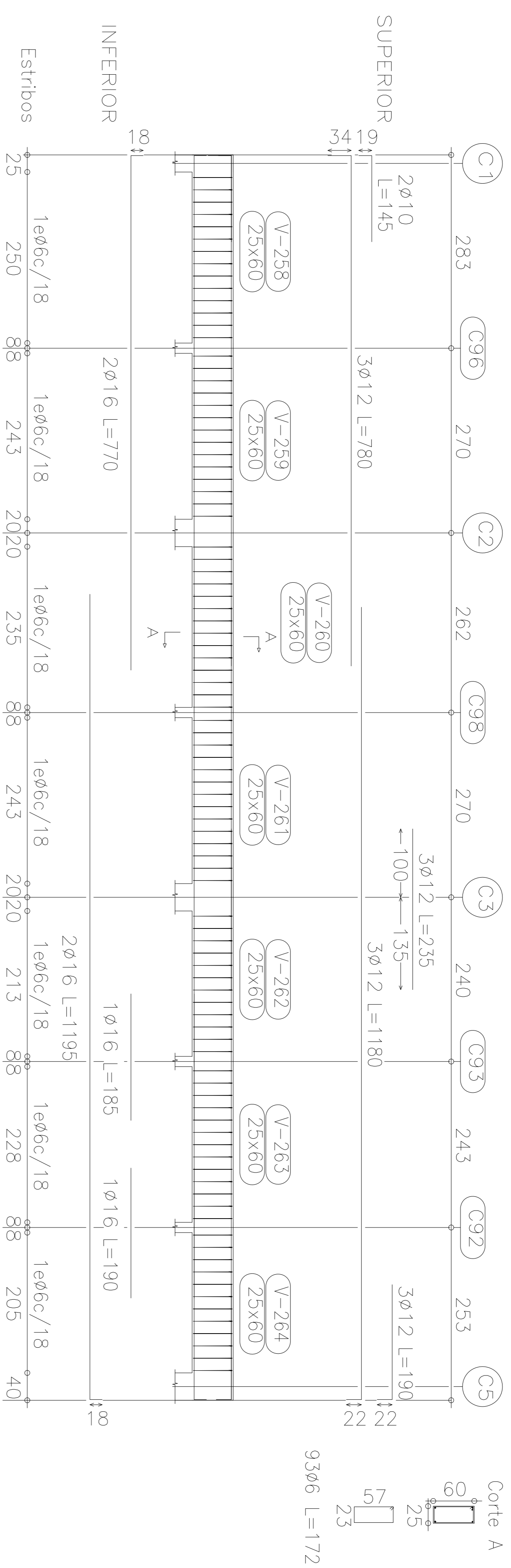


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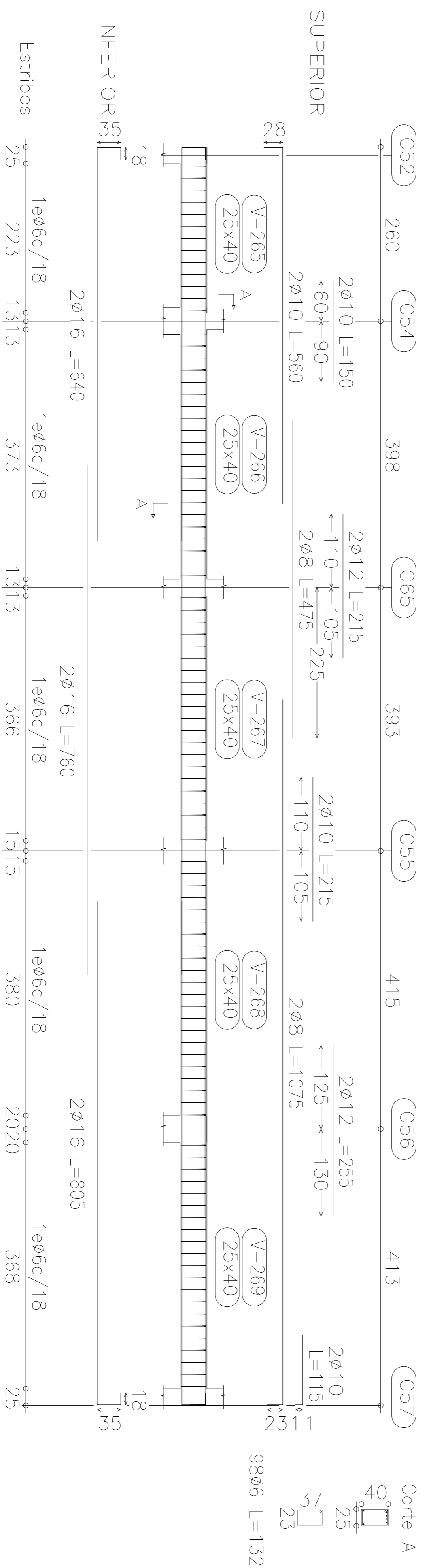
Estructura sobre aulos  
Despiece de vigas  
Hormigón: H-21  
Acero: ADN-420  
Escala: 1:100

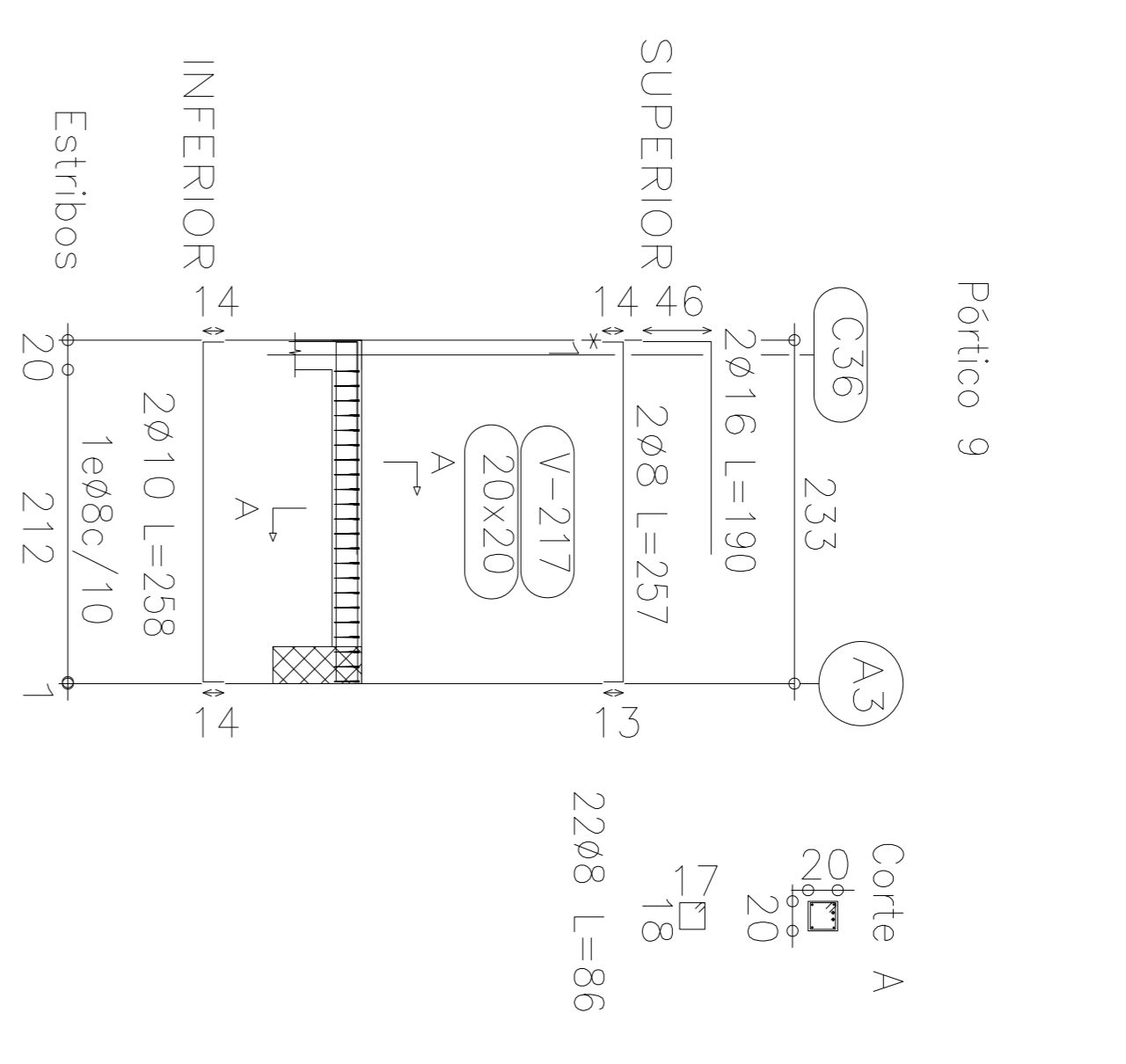
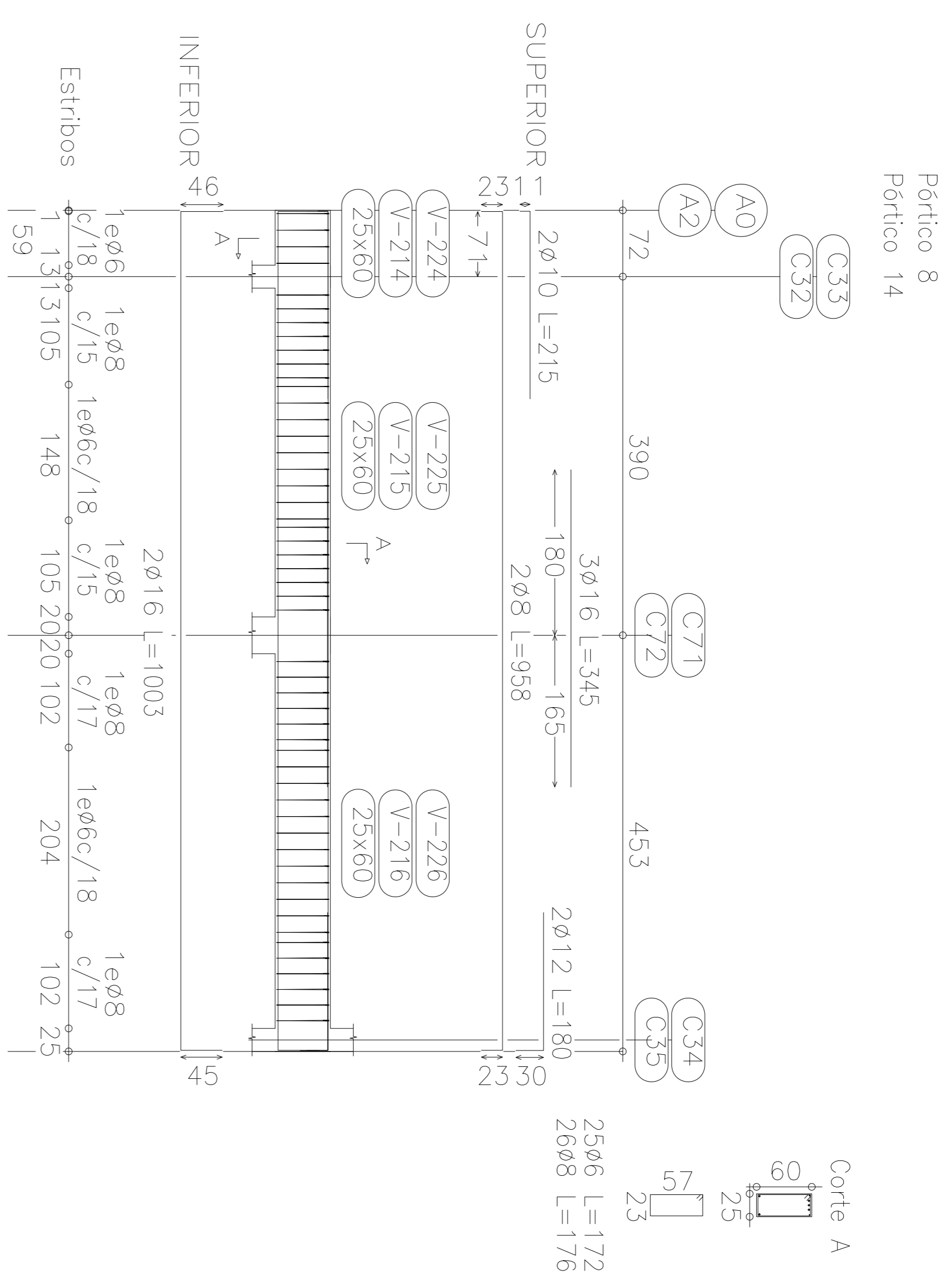
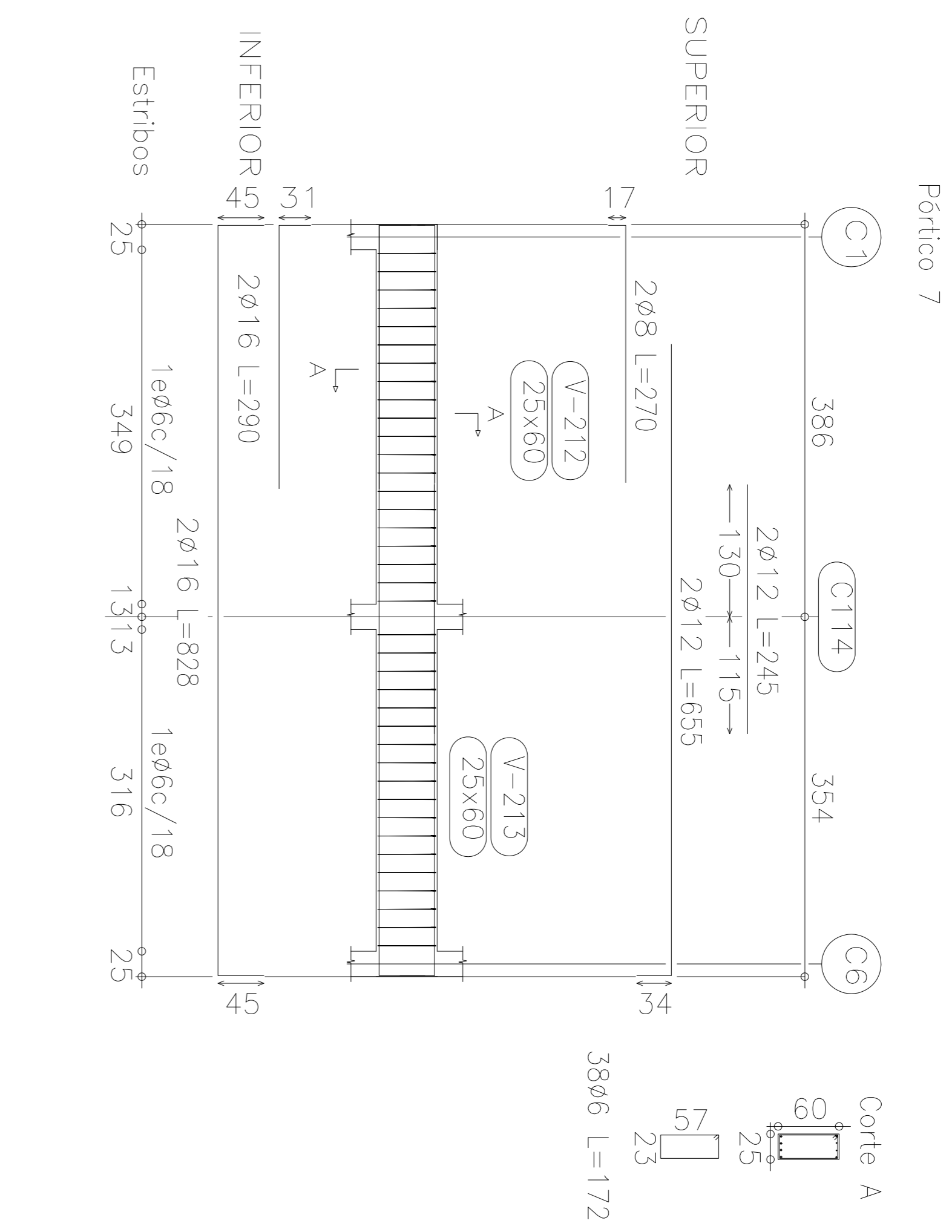
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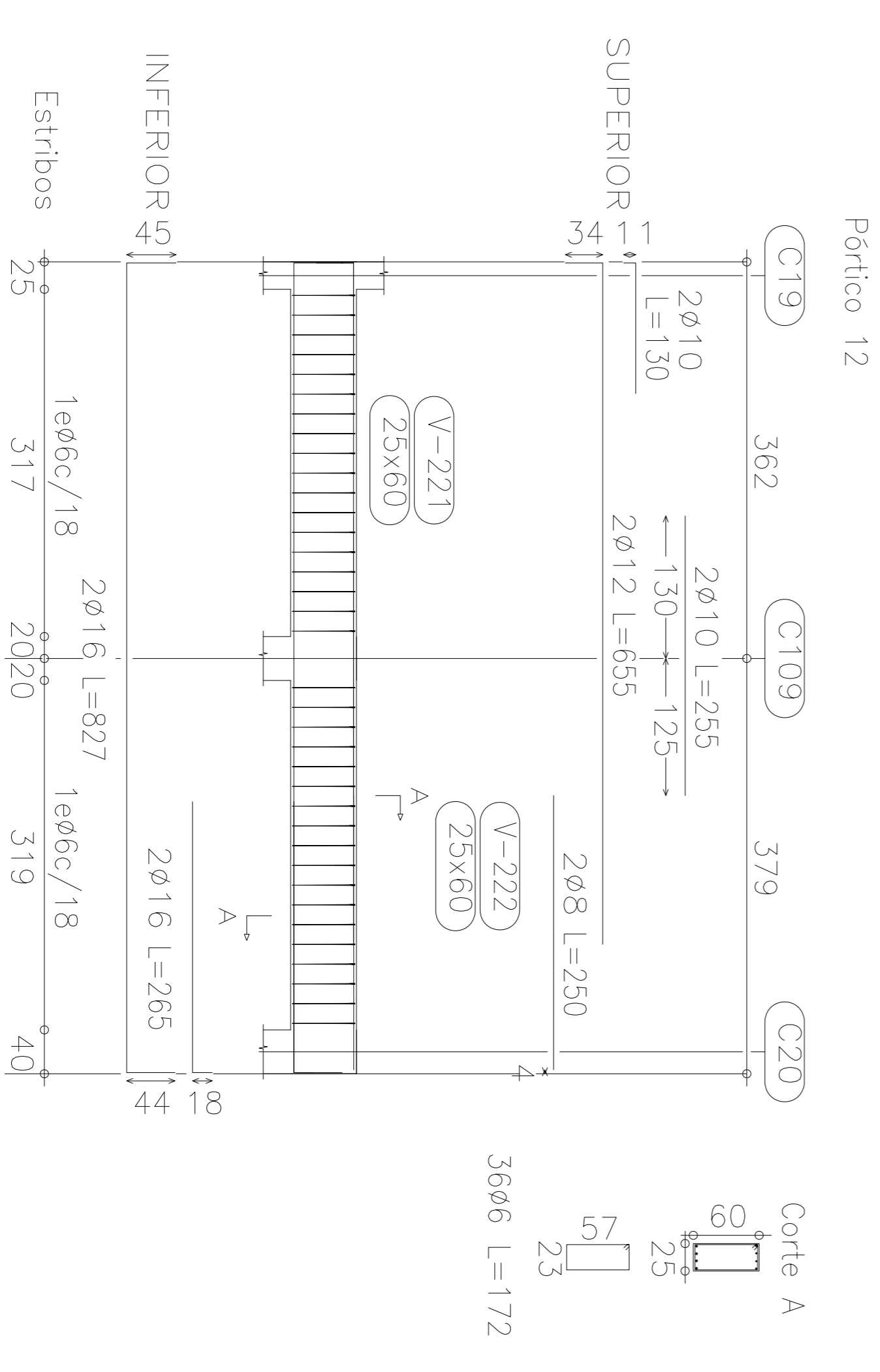
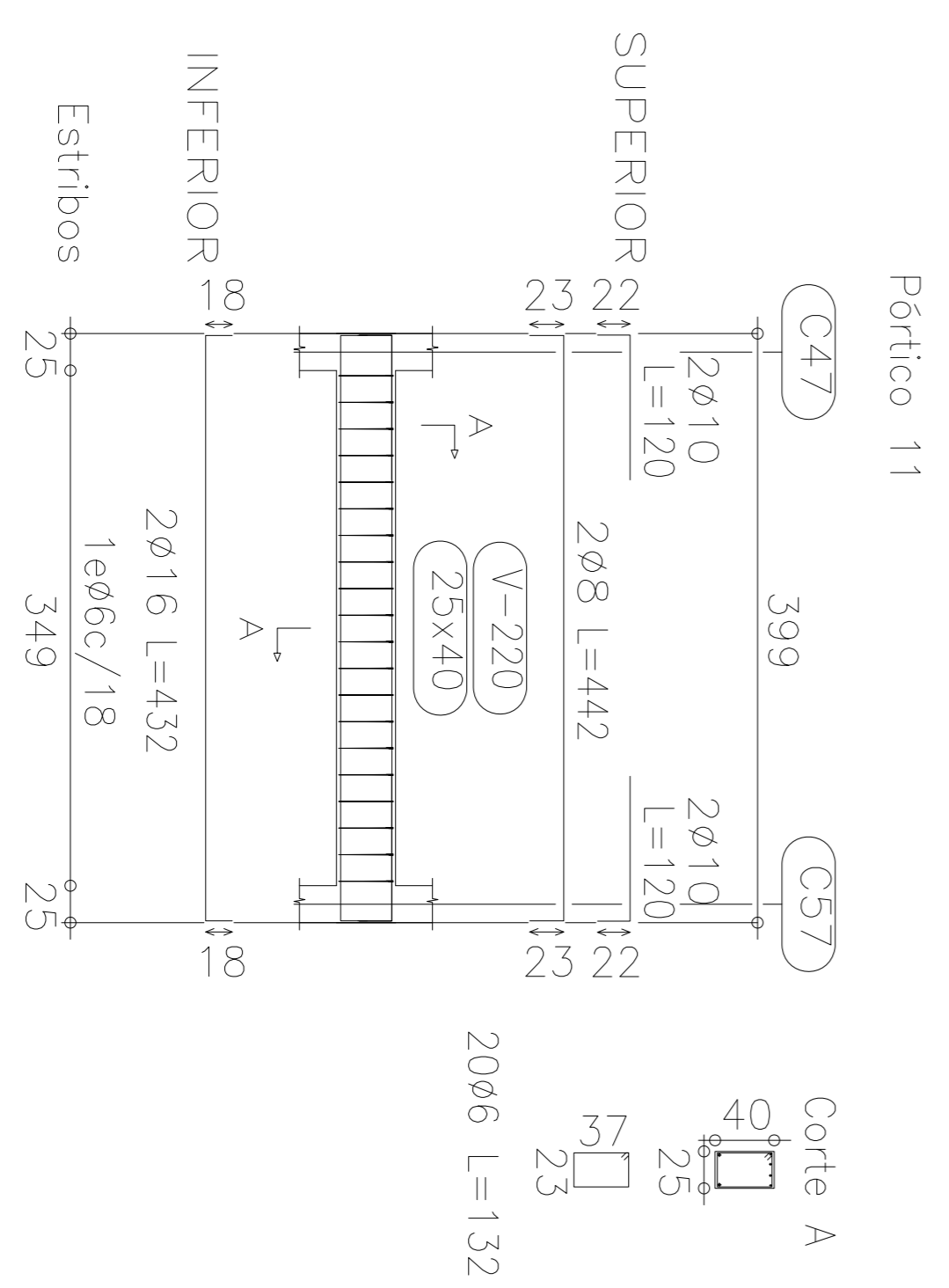
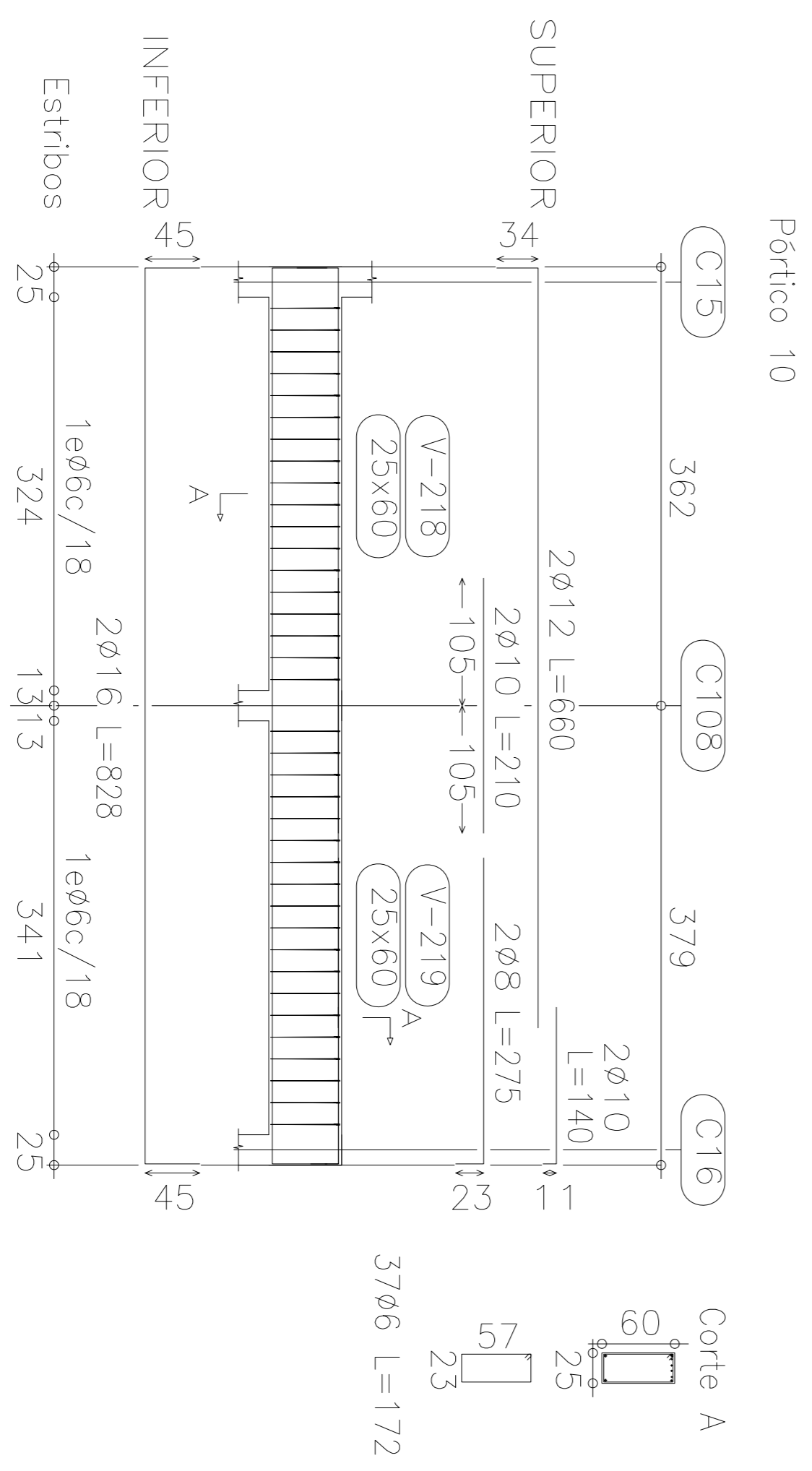
Estructura sobre cullas  
 Despiece de vigas  
 Hormigón: H-21  
 Acero: ADN-420  
 Escala: 1:100

Pórtico 32

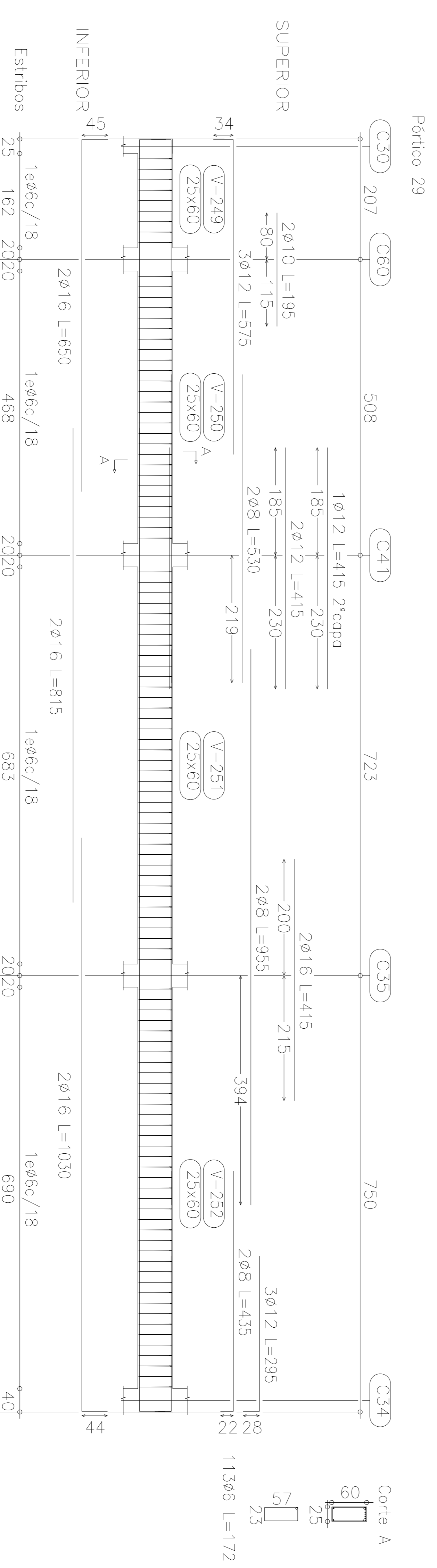
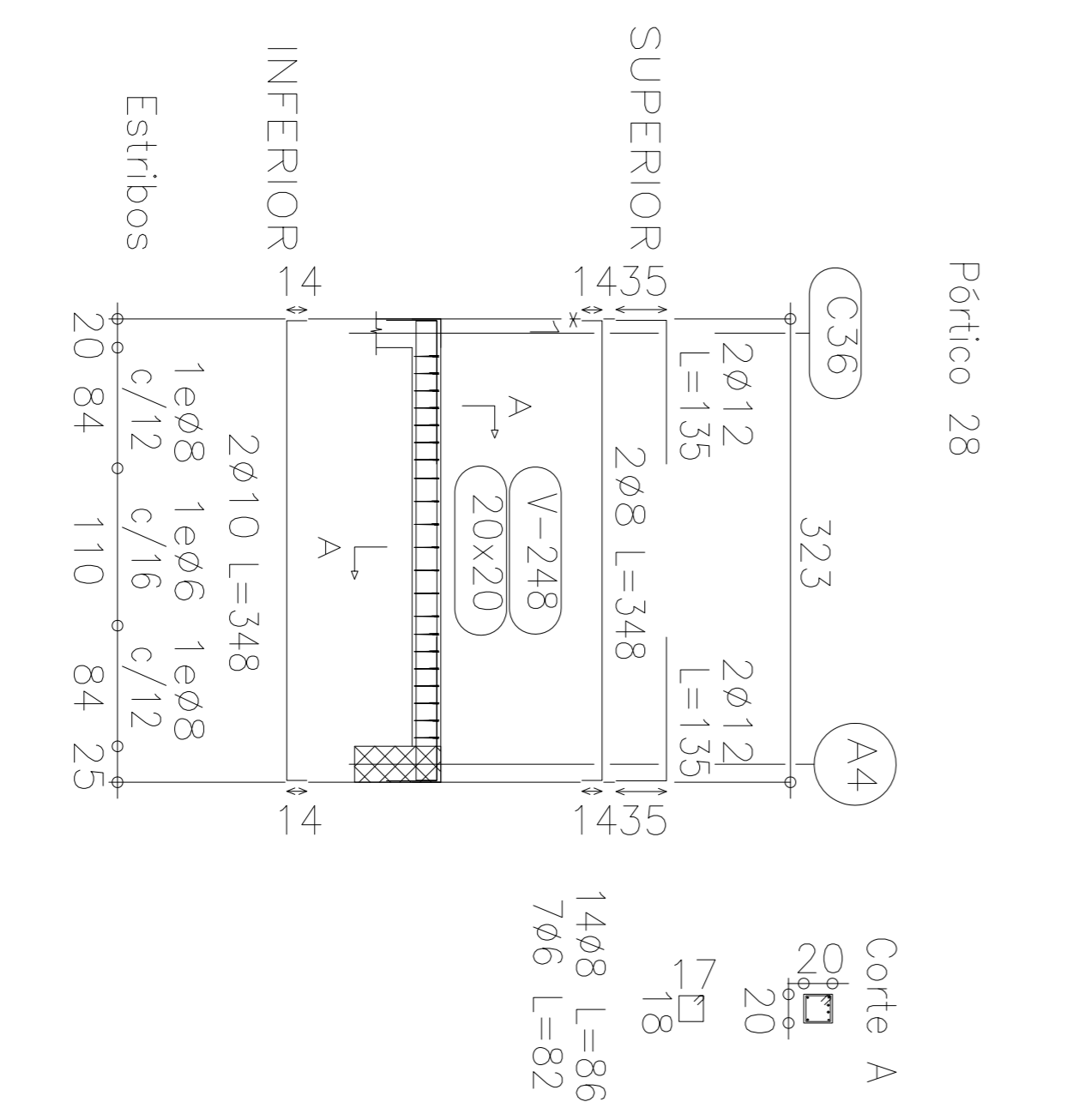
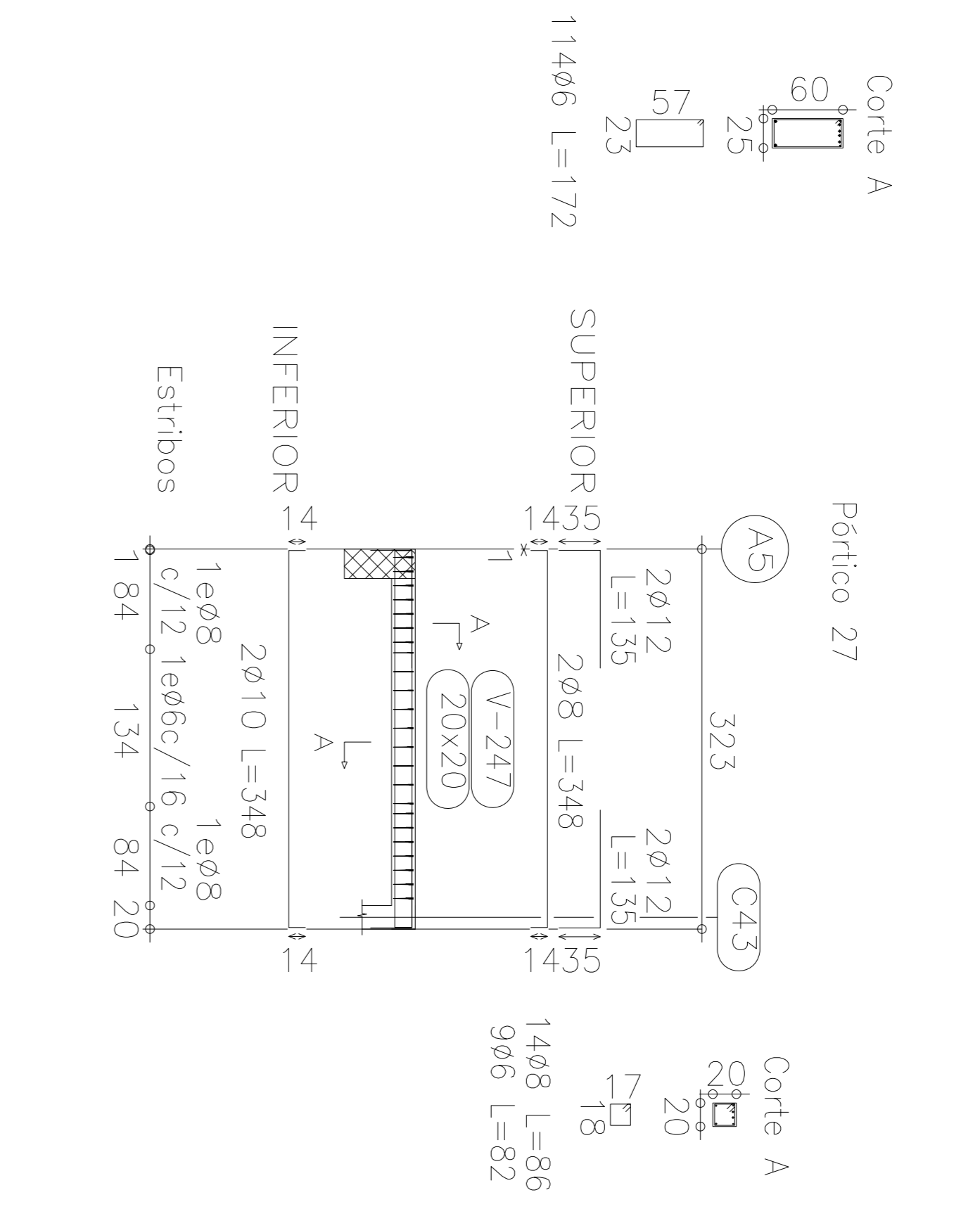
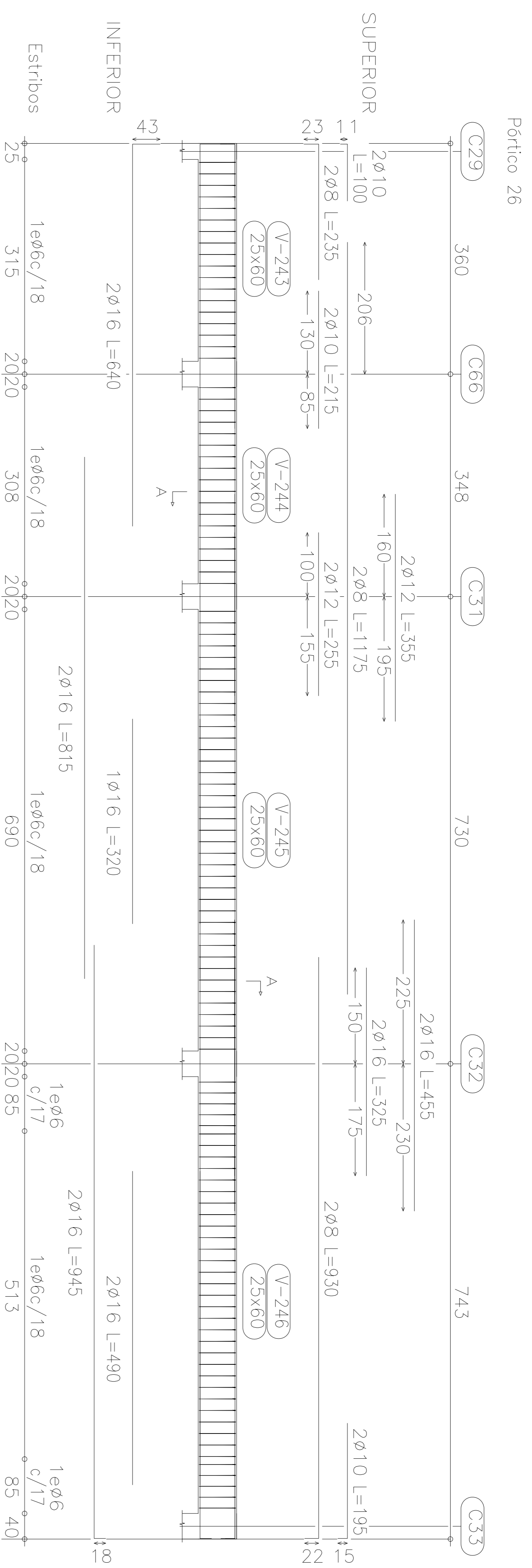




Estructura sobre aulios  
Despiece de vigas  
Hormigón: H-21  
Acero: ADN-420  
Escala: 1:100

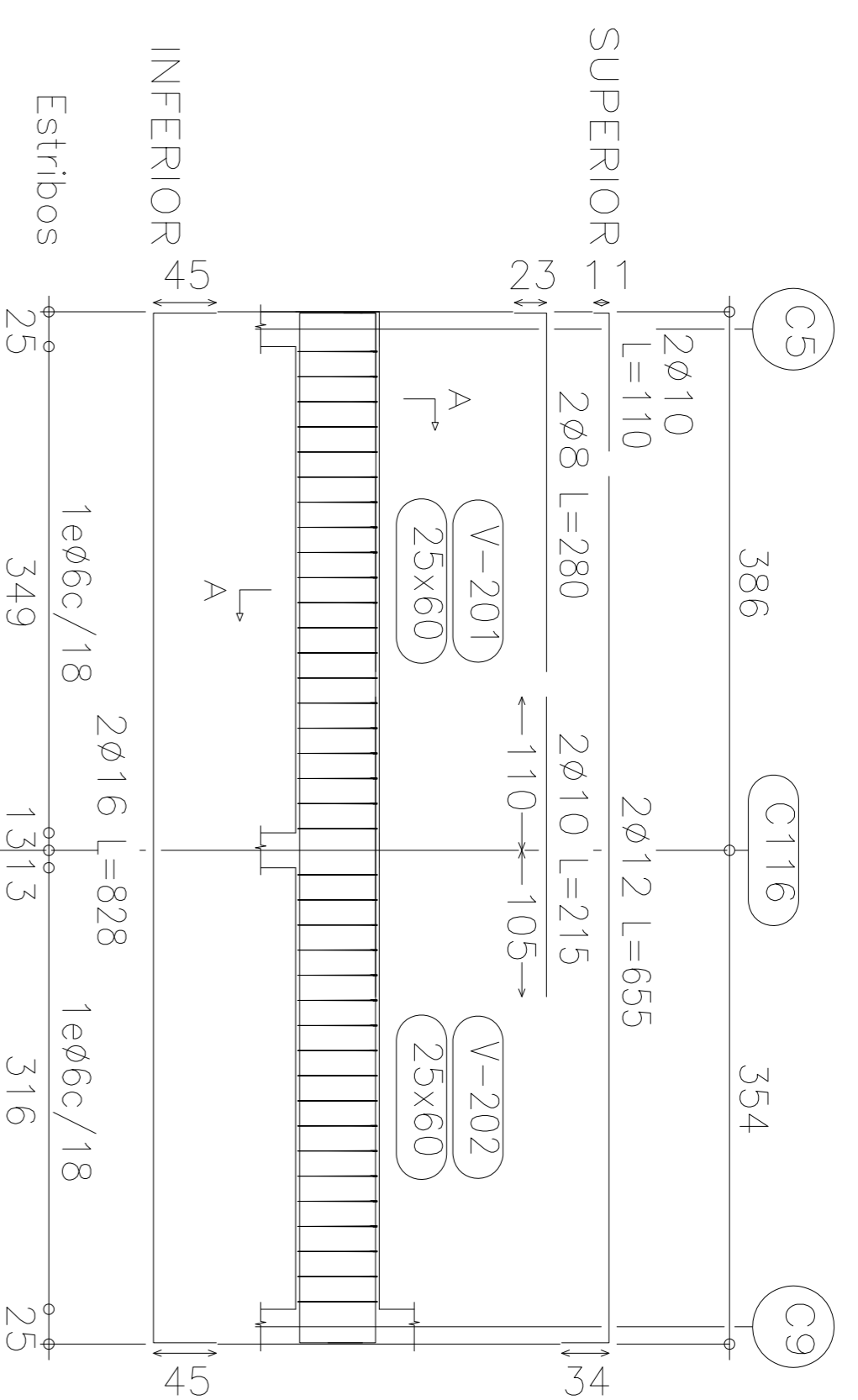




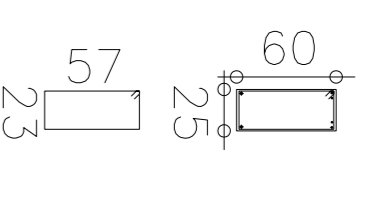


Estructura sobre aulos  
 Despiece de vigas  
 Hormigón: H-21  
 Acero: ADN-420  
 Escala: 1:100

Pórtico 1

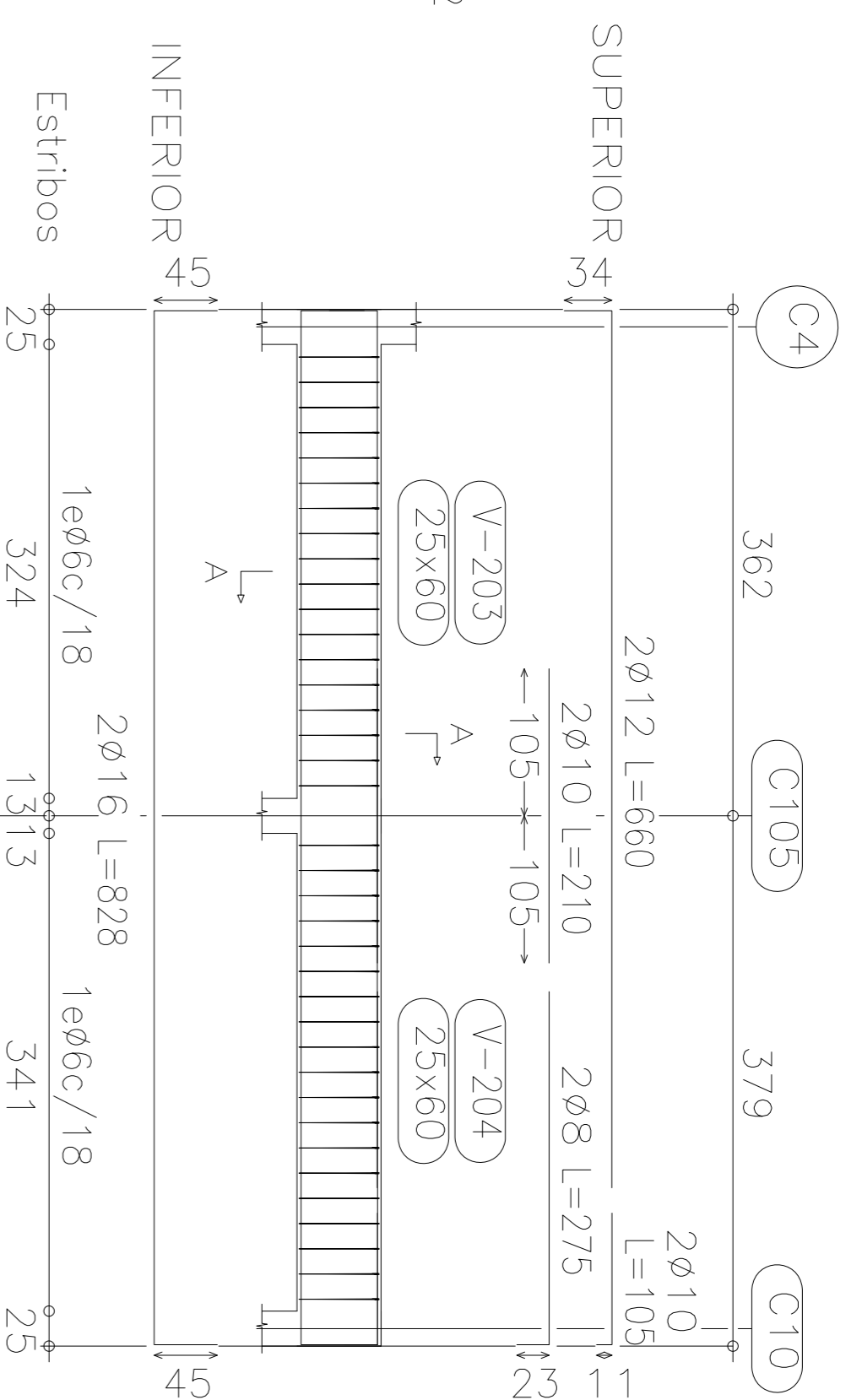


Corte A

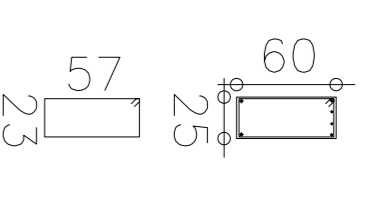


35φ6 L=172

Pórtico 2

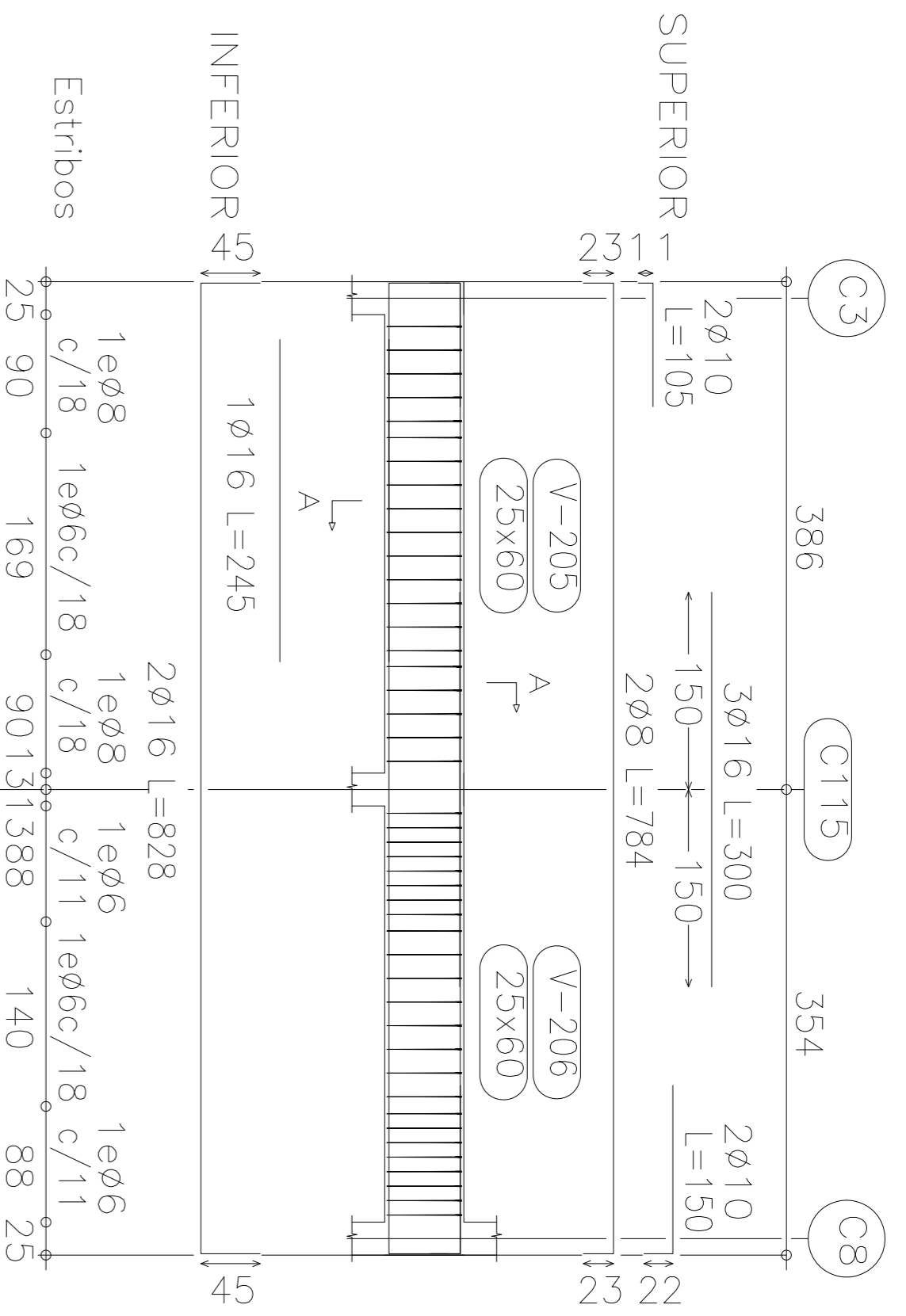


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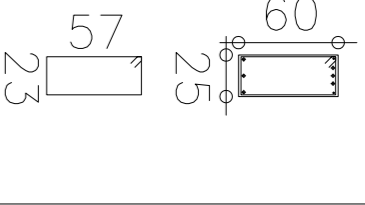


37φ6 L=172

Pórtico 3



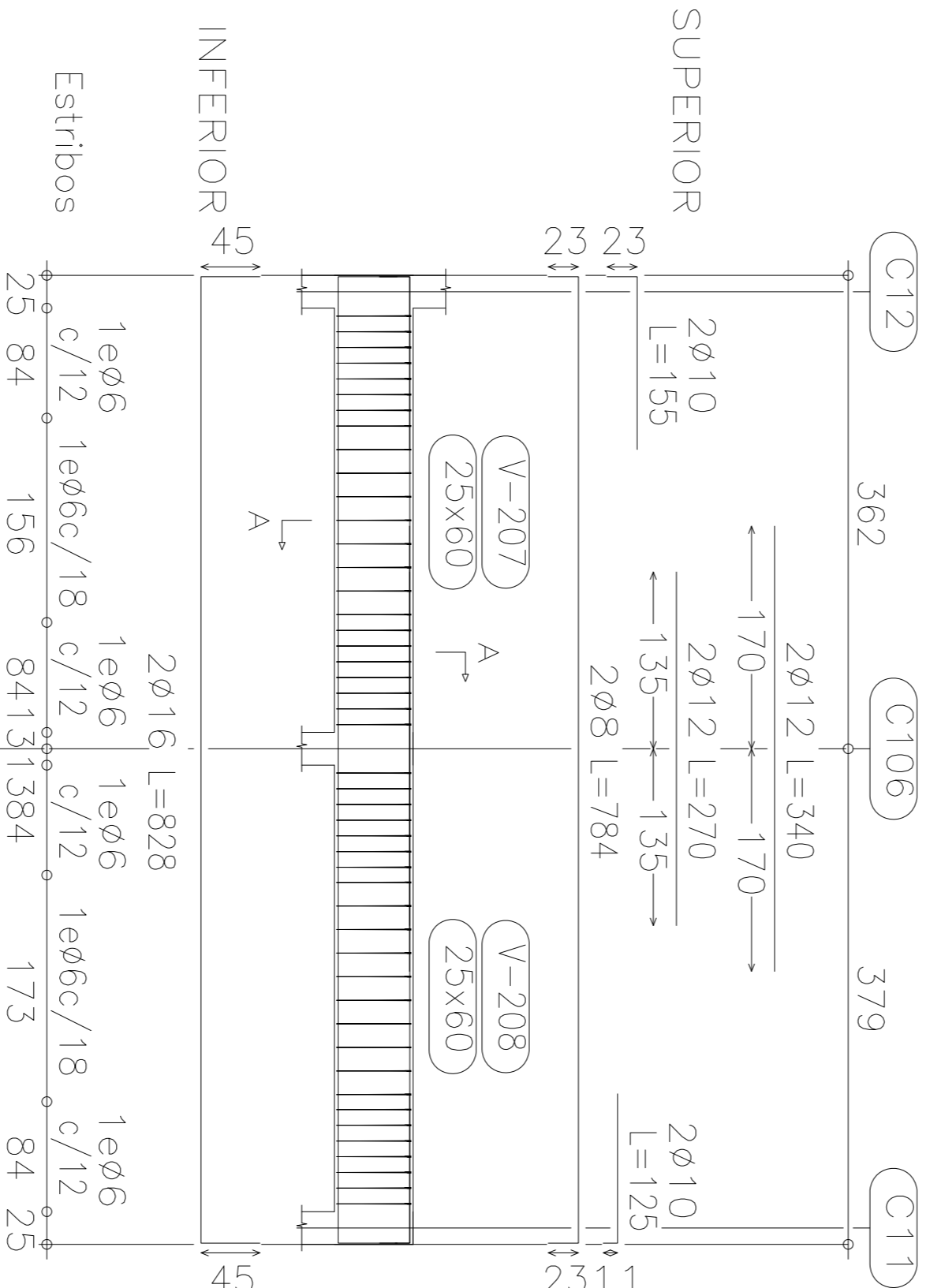
Corte A



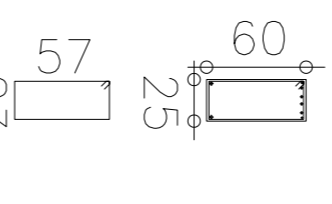
10φ8 L=176  
34φ6 L=172

Estructura sobre aulias  
Despiece de vigas  
Hormigón: H-21  
Acero: ADN-420  
Escala: 1:100

Pórtico 4

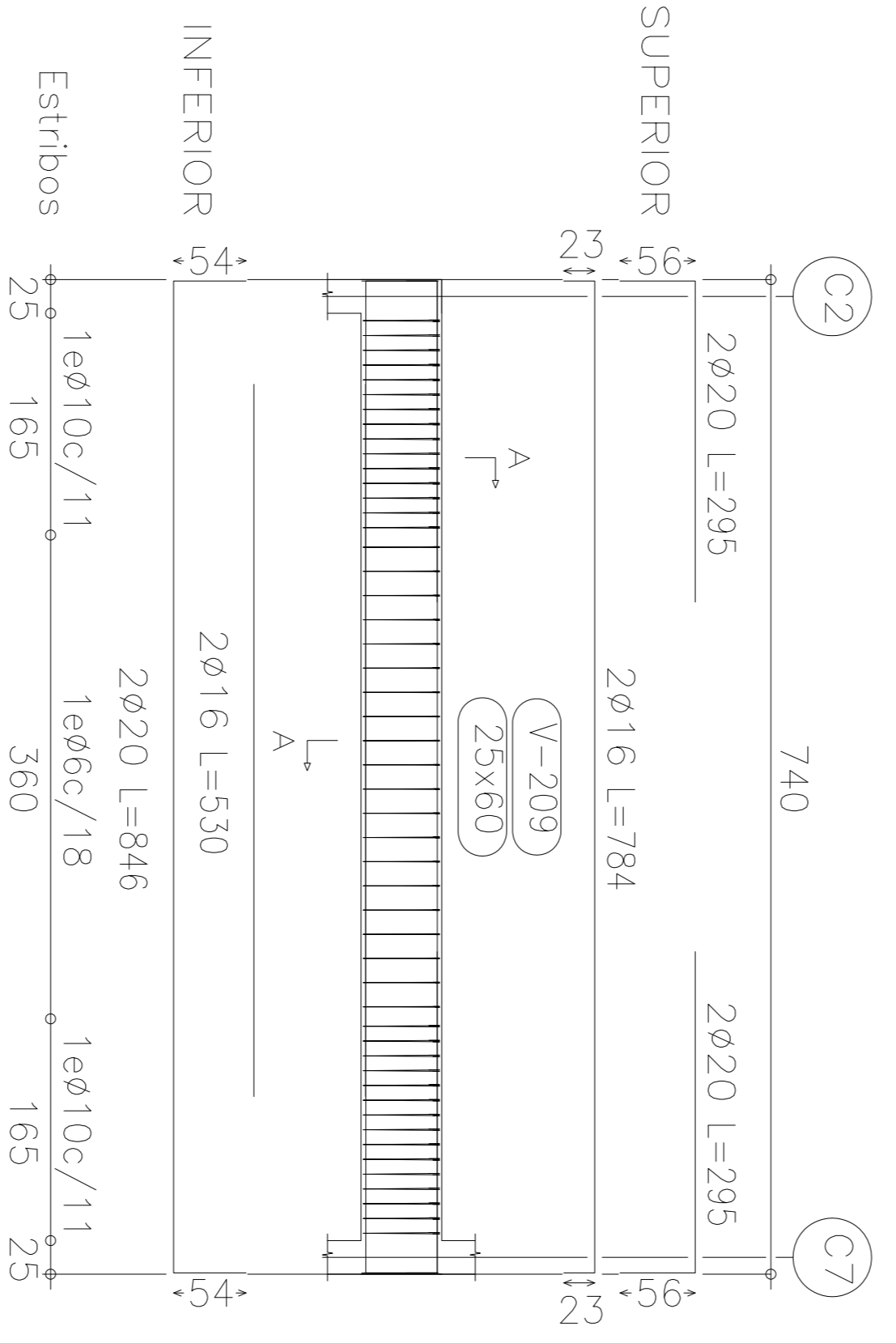


Corte A

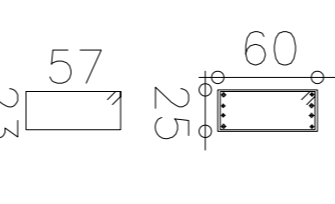


47φ6 L=172

Pórtico 5

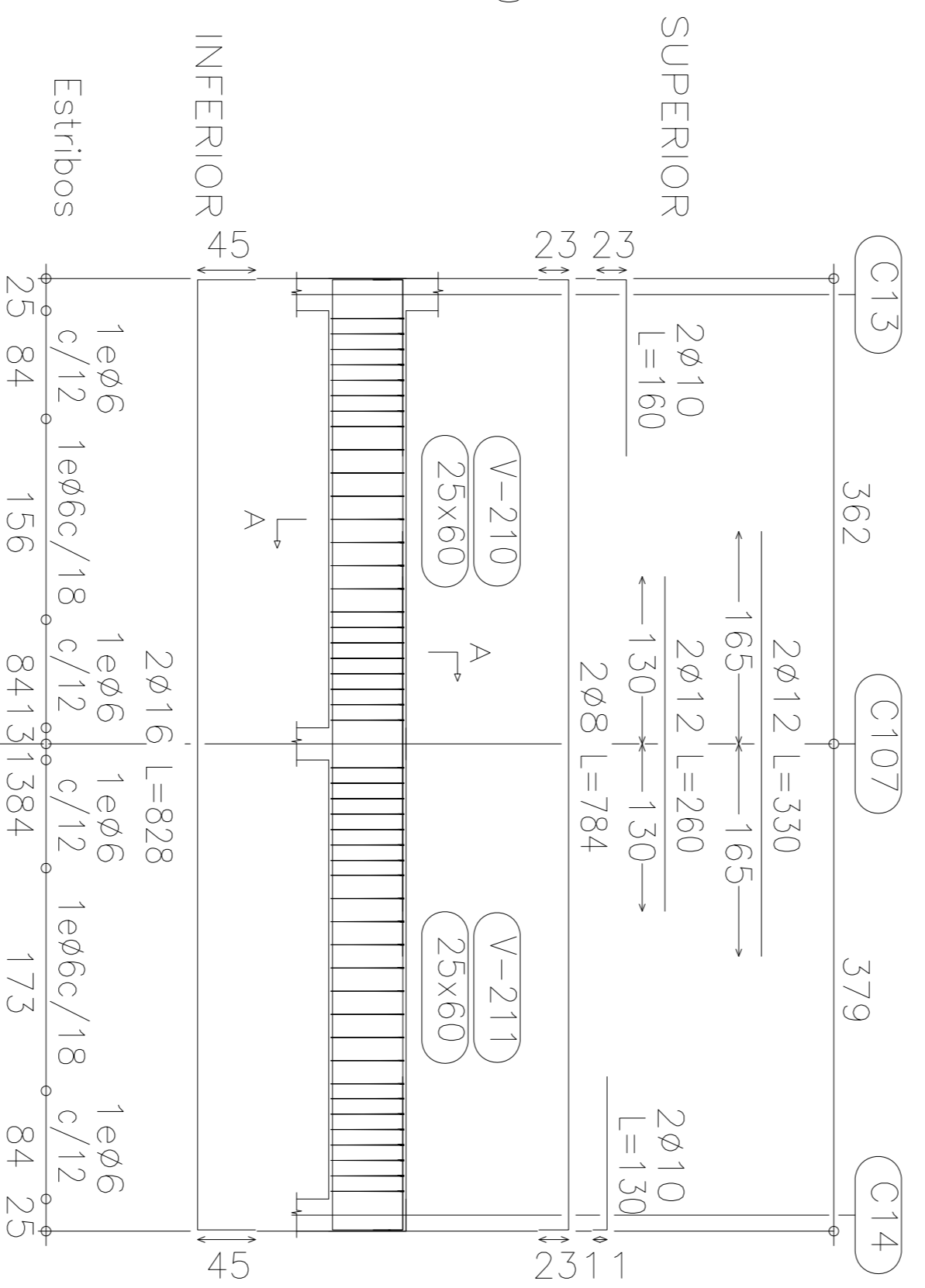


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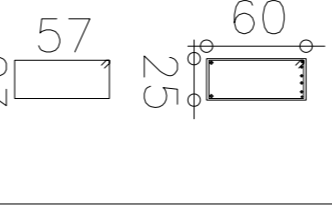


30φ10 L=180  
20φ6 L=172

Pórtico 6

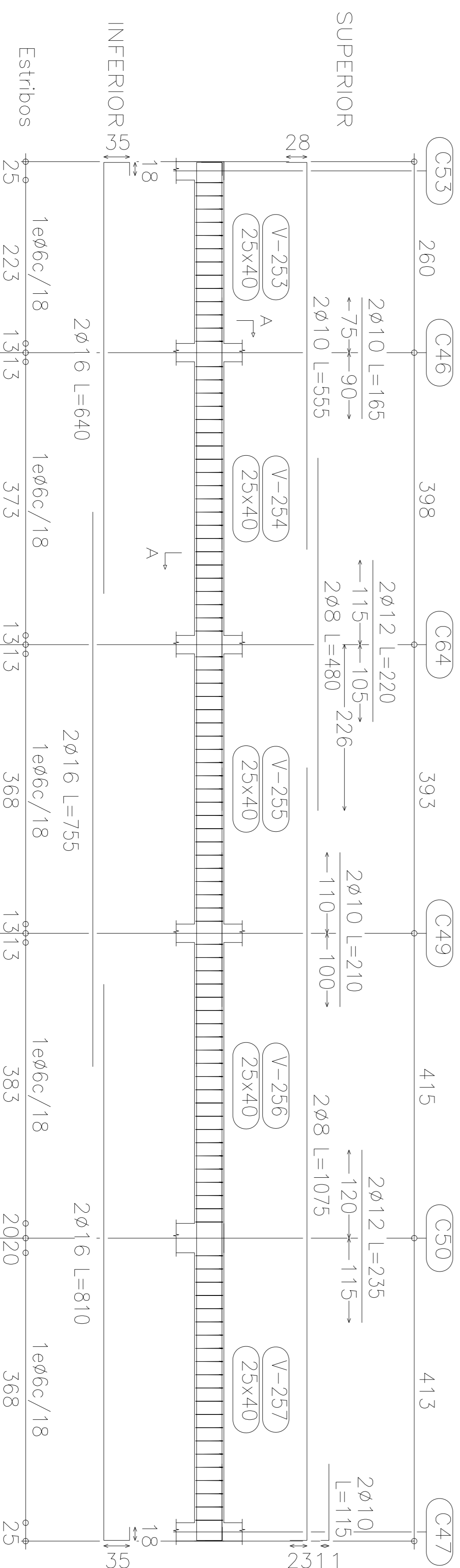


Corte A

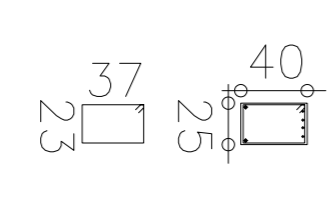


47φ6 L=172

Pórtico 30

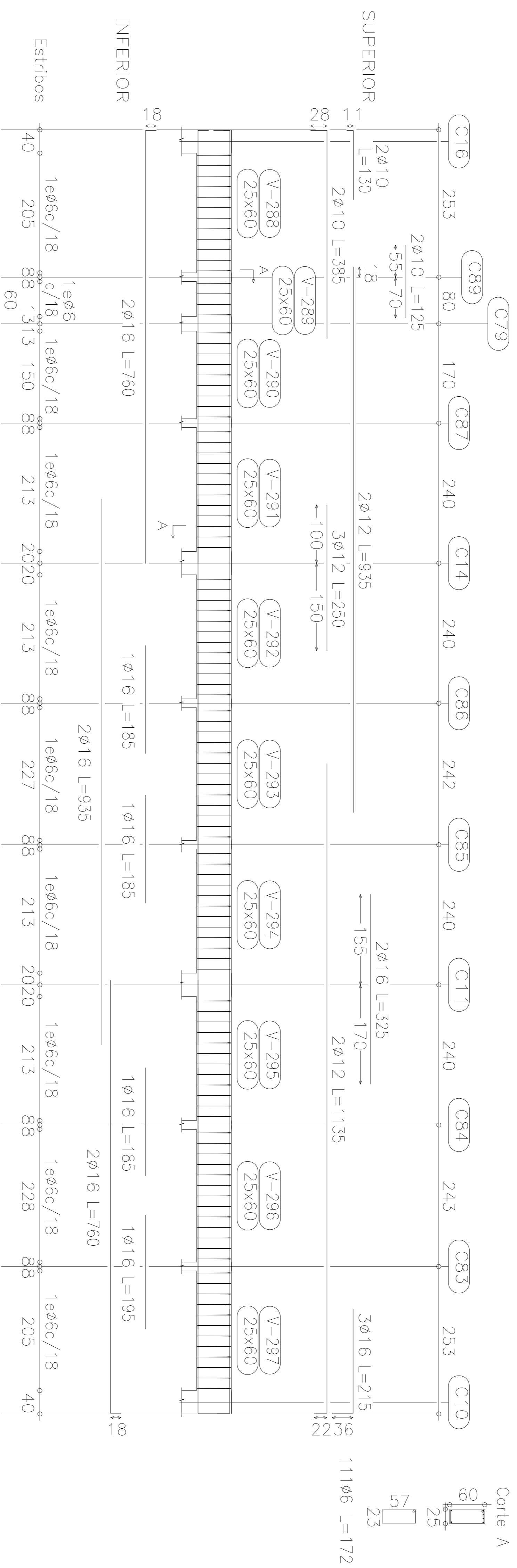


Corte A



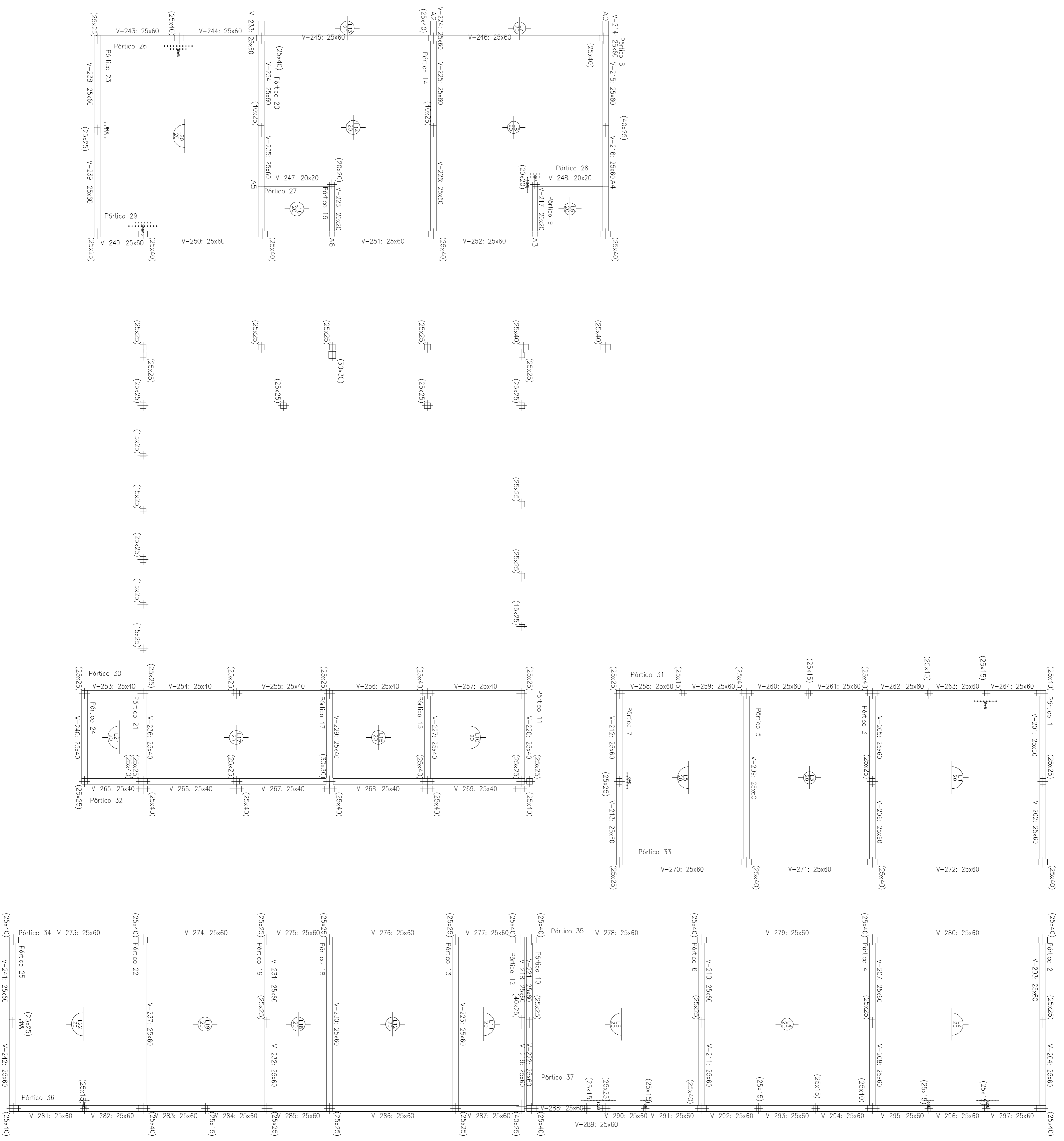
98φ6 L=132

Pórtico 37

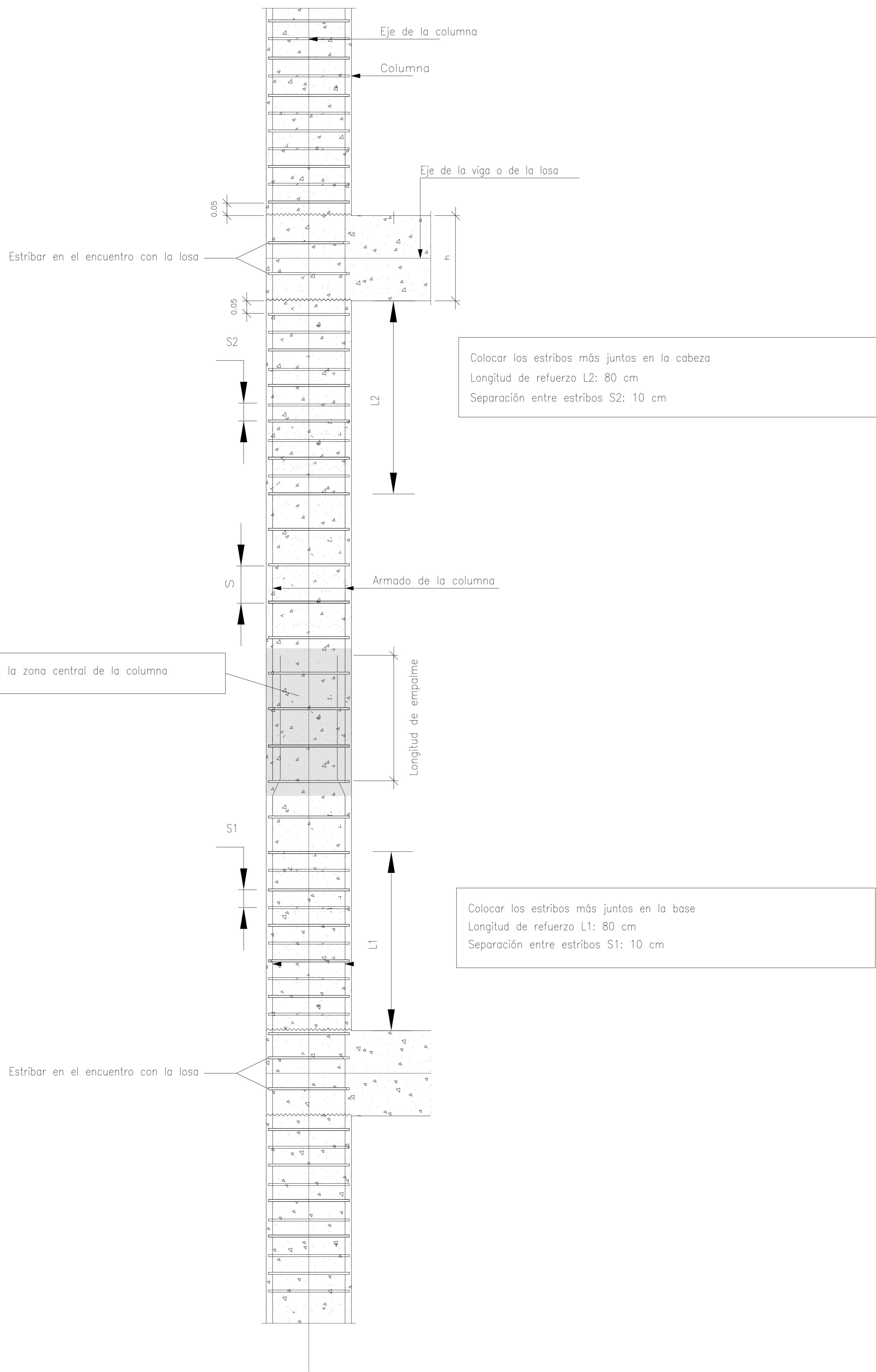


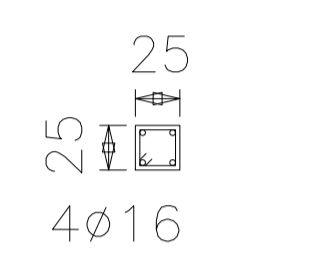
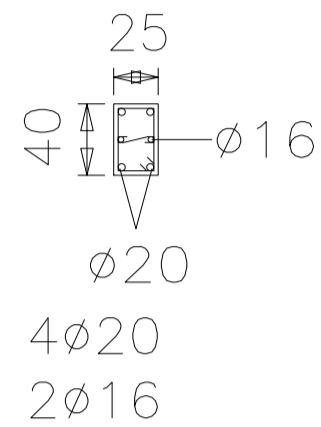
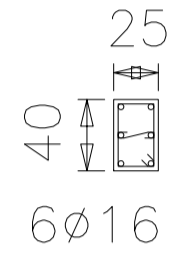
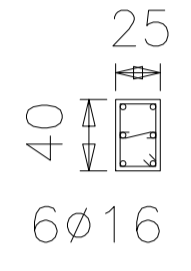
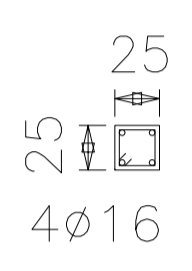
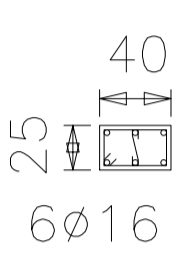
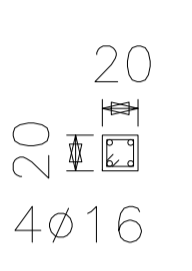
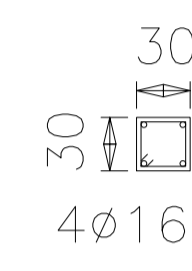
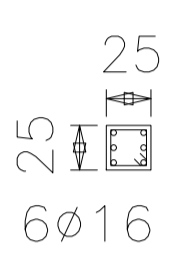
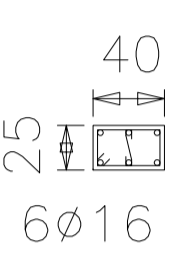
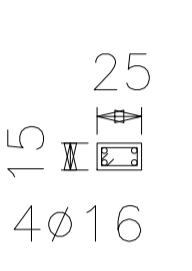


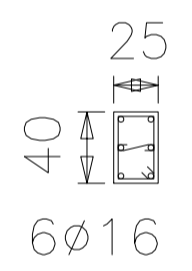



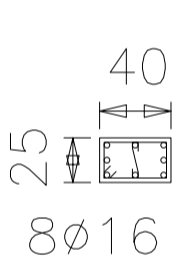

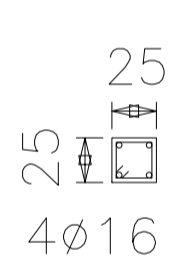

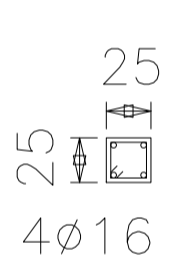


Estructura sobre pillos  
 Despiece de vigas  
 Hormigón: H-21  
 Acero: ADN-420  
 Escala: 1:100

Estructura sobre cúbos  
 Homólogo: H-21  
 Además en losas AN-420  
 Escala: 1:100



# Detalle de estribado de columnas



C1=C22=C29=C30 C52=C53=C69 C74=C79=C105 C106=C107=C108 C110=C111=C115 C116	C2=C24	C3=C5=C10=C11 C14=C16=C25 C26=C31=C32 C33=C50=C56 C66	C4=C7=C8=C9 C12=C13=C15 C19=C23=C34 C35=C41=C54 C60	C6=C21=C46 C47=C49=C57 C64=C65=C67 C70=C114	C20	C36=C43 C77	C38=C44=C58 C59=C62=C63 C103	C55	C68	C71=C72=C73 C109	C83=C84=C85 C86=C87=C89 C90=C91=C92 C93=C96=C98	
 <p>25 25 4ø16</p> <p>□ 22 22 ø6c/20 L=104</p>	 <p>25 40 40 ø20 4ø20 2ø16</p> <p>P3 22 P4 37 22 P3ø6c/10 L=136 P4ø6c/10 L=45</p>	 <p>25 40 40 6ø16</p> <p>P2 22 P3 37 22 P2ø6c/20 L=134 P3ø6c/20 L=45</p>	 <p>25 40 40 6ø16</p> <p>P2 22 P3 37 22 P2ø6c/20 L=134 P3ø6c/20 L=45</p>	 <p>25 25 4ø16</p> <p>□ 22 22 ø6c/20 L=104</p>	 <p>25 40 6ø16</p> <p>P2 P3 37 P2ø6c/10 L=134 P3ø6c/10 L=45</p>	 <p>20 20 4ø16</p> <p>□ 17 17 ø6c/20 L=84</p>	 <p>30 30 4ø16</p> <p>□ 27 27 ø6c/20 L=124</p>	 <p>25 25 6ø16</p> <p>□ 22 22 ø6c/10 L=104</p>	 <p>25 40 6ø16</p> <p>P2 P3 37 P2ø6c/20 L=134 P3ø6c/20 L=45</p>	 <p>15 25 4ø16</p> <p>□ 12 22 ø6c/10 L=84</p>		Estructura sobre aulas
	 <p>25 40 40 6ø16</p> <p>P2 22 P3 37 22 P2ø6c/20 L=134 P3ø6c/20 L=45</p>				 <p>25 40 8ø16</p> <p>P2 P3 37 P2ø6c/20 L=134 P3ø6c/20 L=45</p>		 <p>25 25 4ø16</p> <p>□ 22 22 ø6c/20 L=104</p>		 <p>25 25 4ø16</p> <p>□ 22 22 ø6c/20 L=104</p>			aleros
												Cimentación

Cuadro de columnas  
Desde la planta aleros  
Hasta la planta Estructura sobre aulas  
Hormigón: H-21  
Acero: ADN-420  
Escala: 1:100

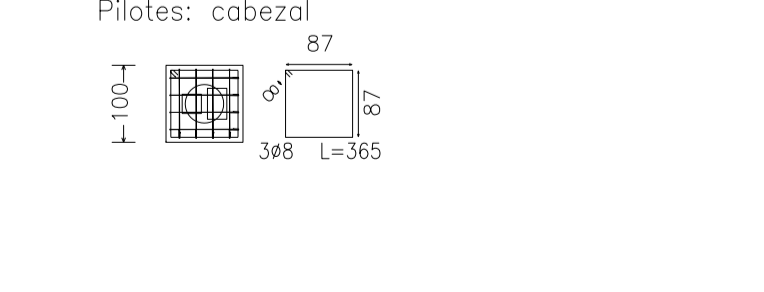
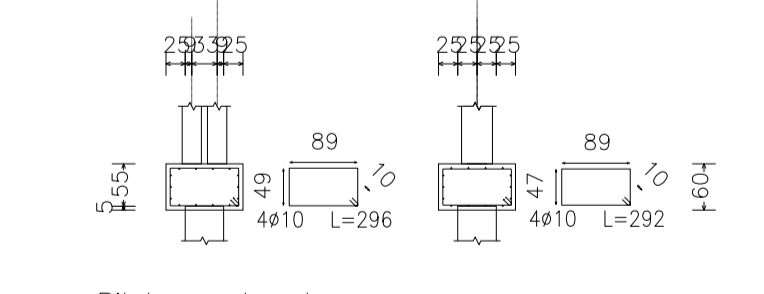
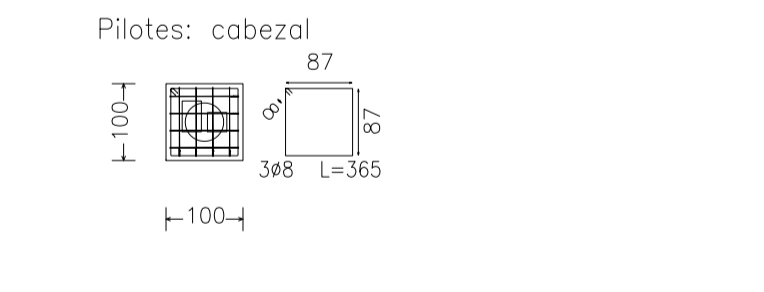
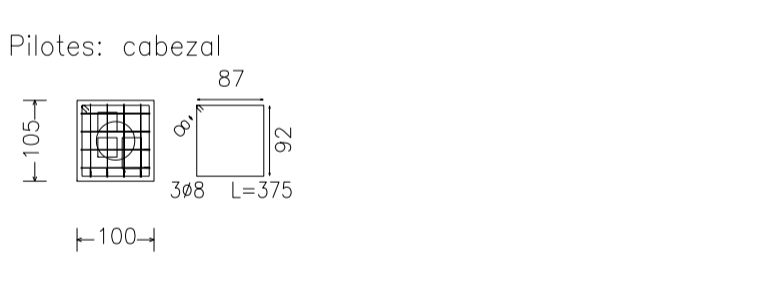
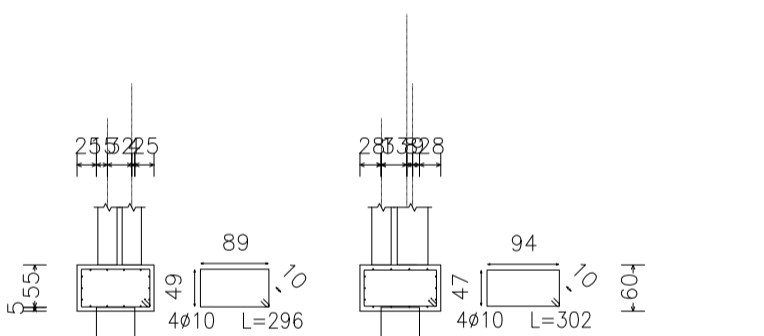
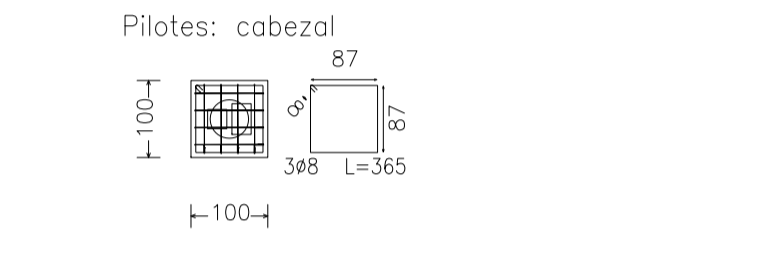
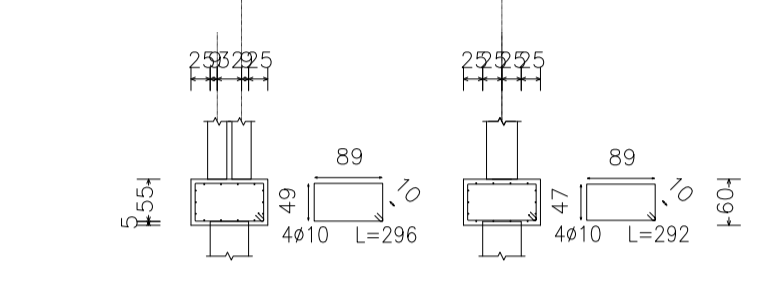
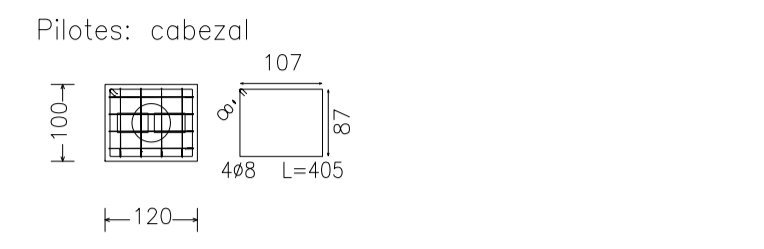
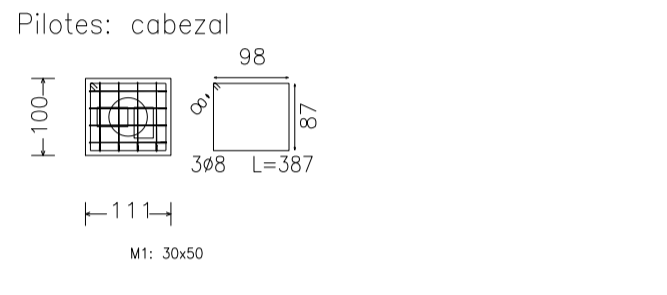
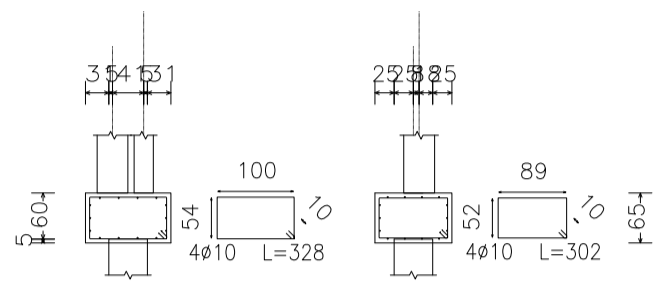
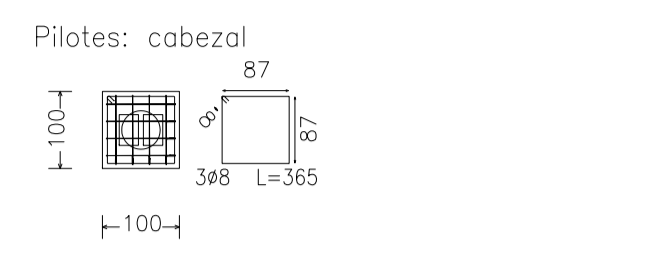
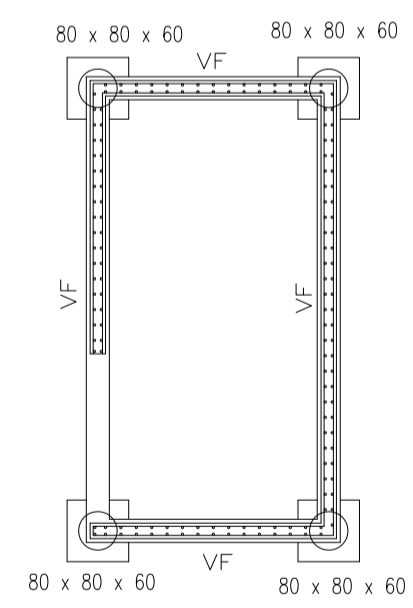
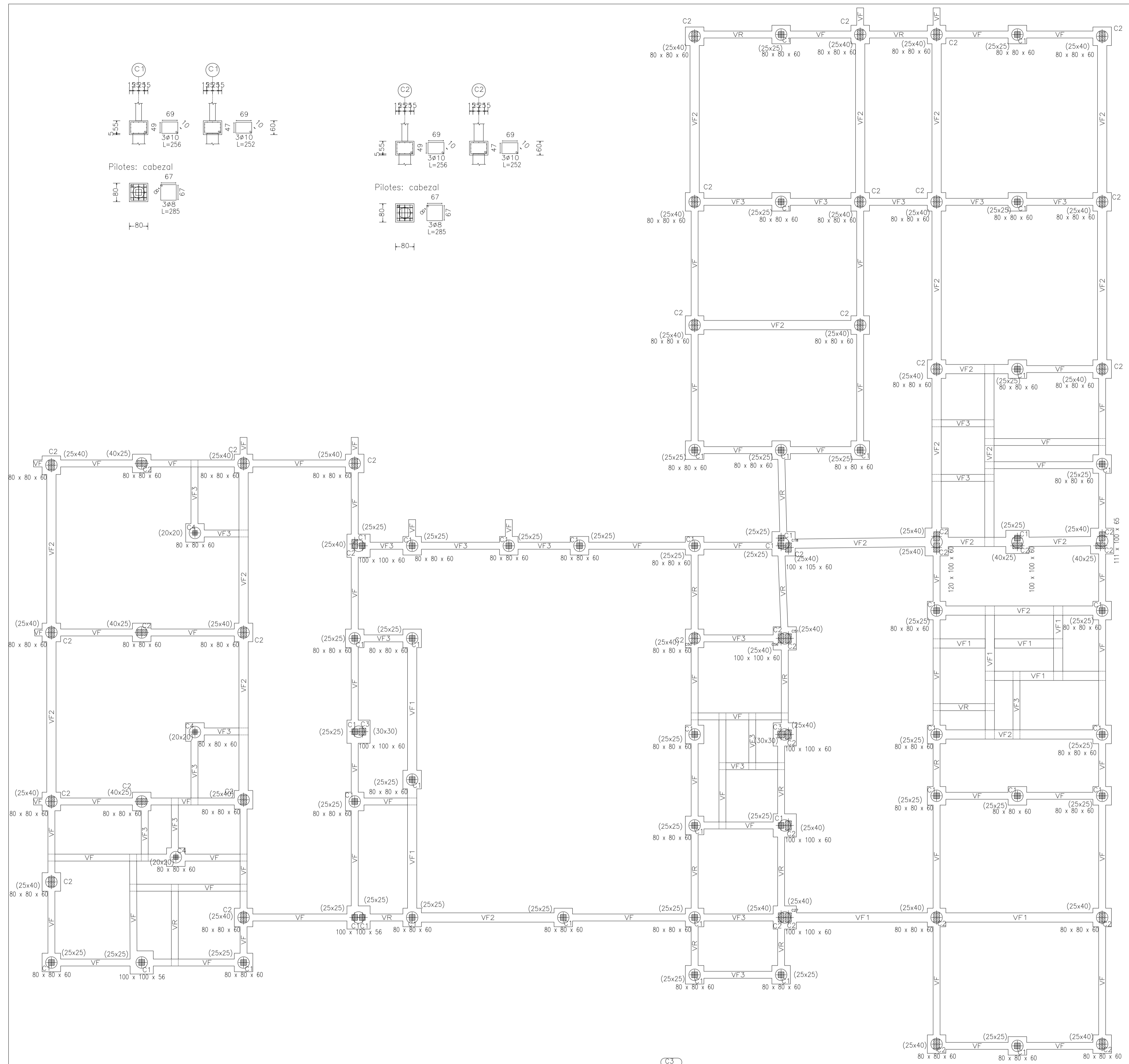
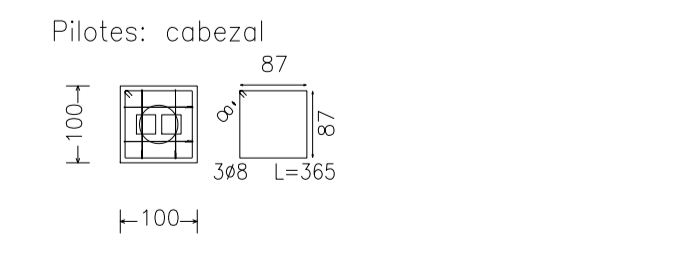
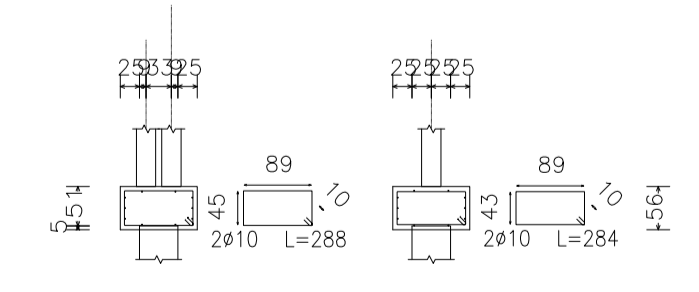
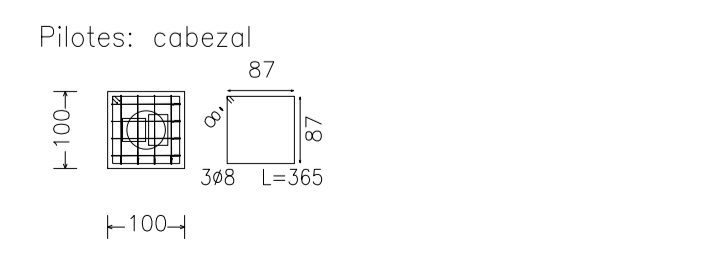
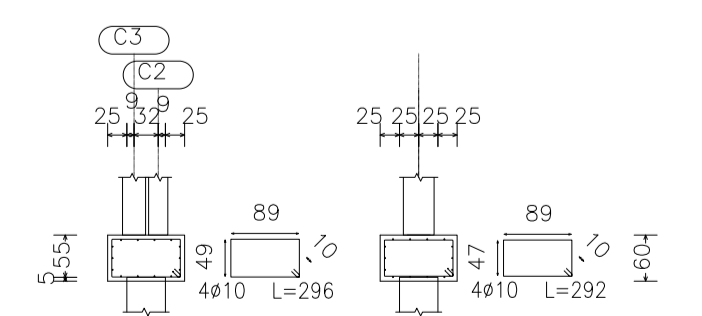


Tabla de vigas de Fundación			
<p>VF1 Arm. sup.: 4 ø16 Arm. inf.: 4 ø16 Estribos: 1xø8c/20</p>	<p>VF Arm. sup.: 3 ø16 Arm. inf.: 3 ø16 Estribos: 1xø6c/15</p>	<p>VF3 Arm. sup.: 2 ø12 Arm. inf.: 2 ø12 Estribos: 1xø6c/15</p>	<p>VF2 Arm. sup.: 4 ø20 Arm. inf.: 4 ø20 Arm. piel: 1x2 ø12 Estribos: 1xø8c/20</p>



Cimentación  
 Despiece cimentación  
 Hormigón: H-21  
 Aceros en cimentación: ADN-420  
 Escala: 1:100