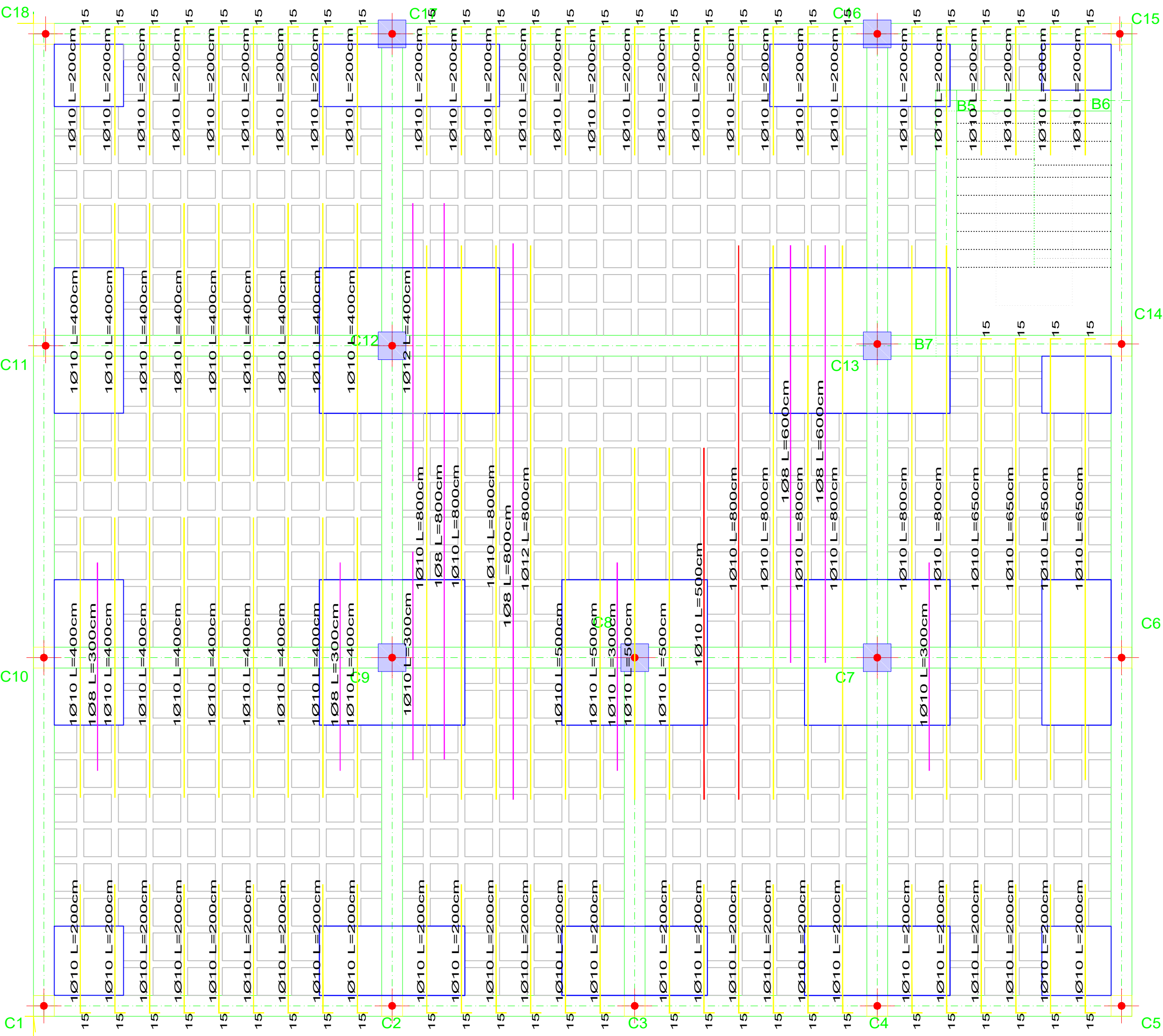


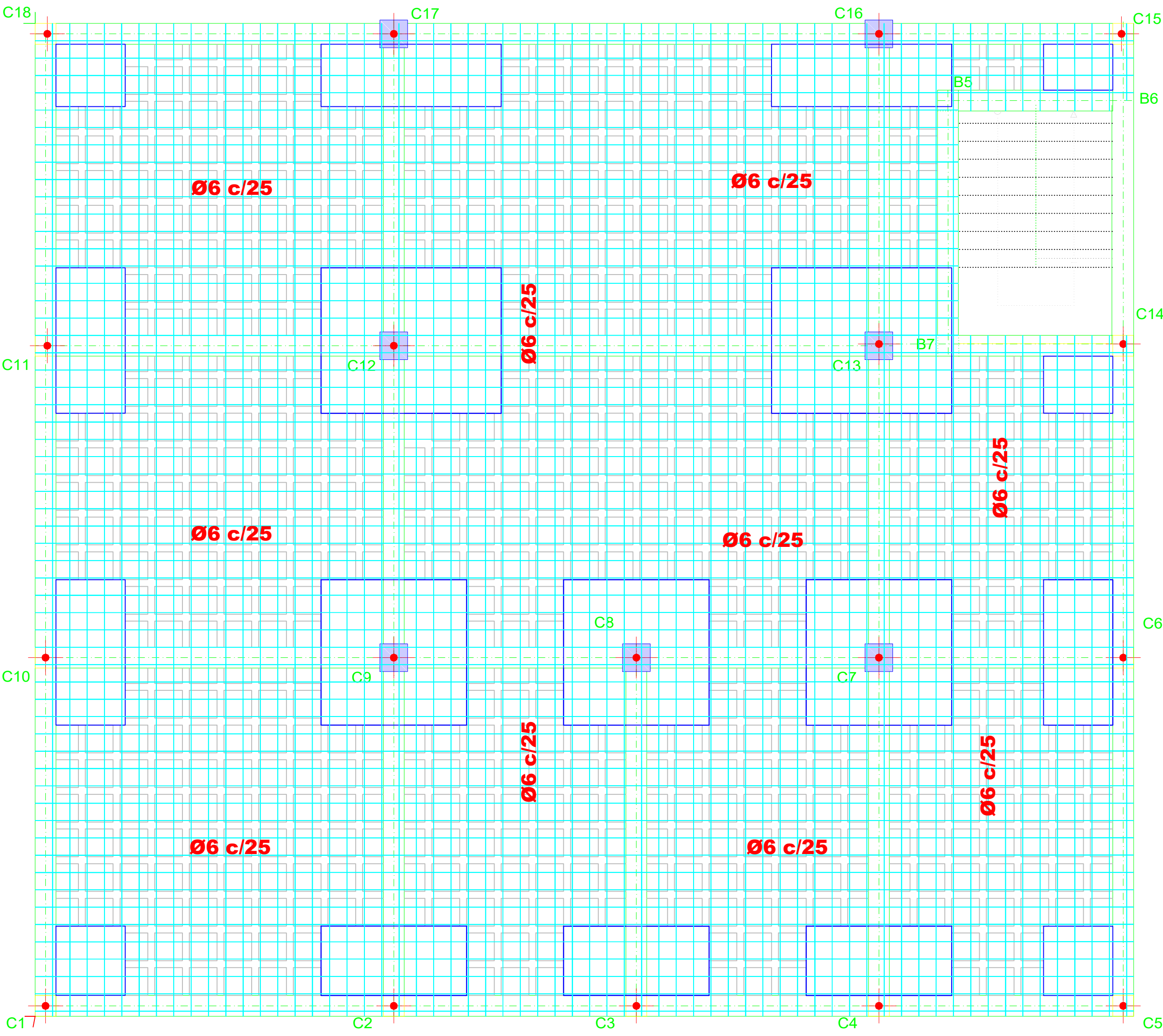
Resumen Acero	Long. total	Peso c/100	Total
PLANTA BAJA	(m)	(kg)	
Repartido	Φ8	1742.2	447.1
	Φ8	47.0	35.7
	Φ10	302.0	255.4
	Φ12	13.0	12.7
			689

REPLANTEO Y REFUERZOS DE LOSA CASETONADA

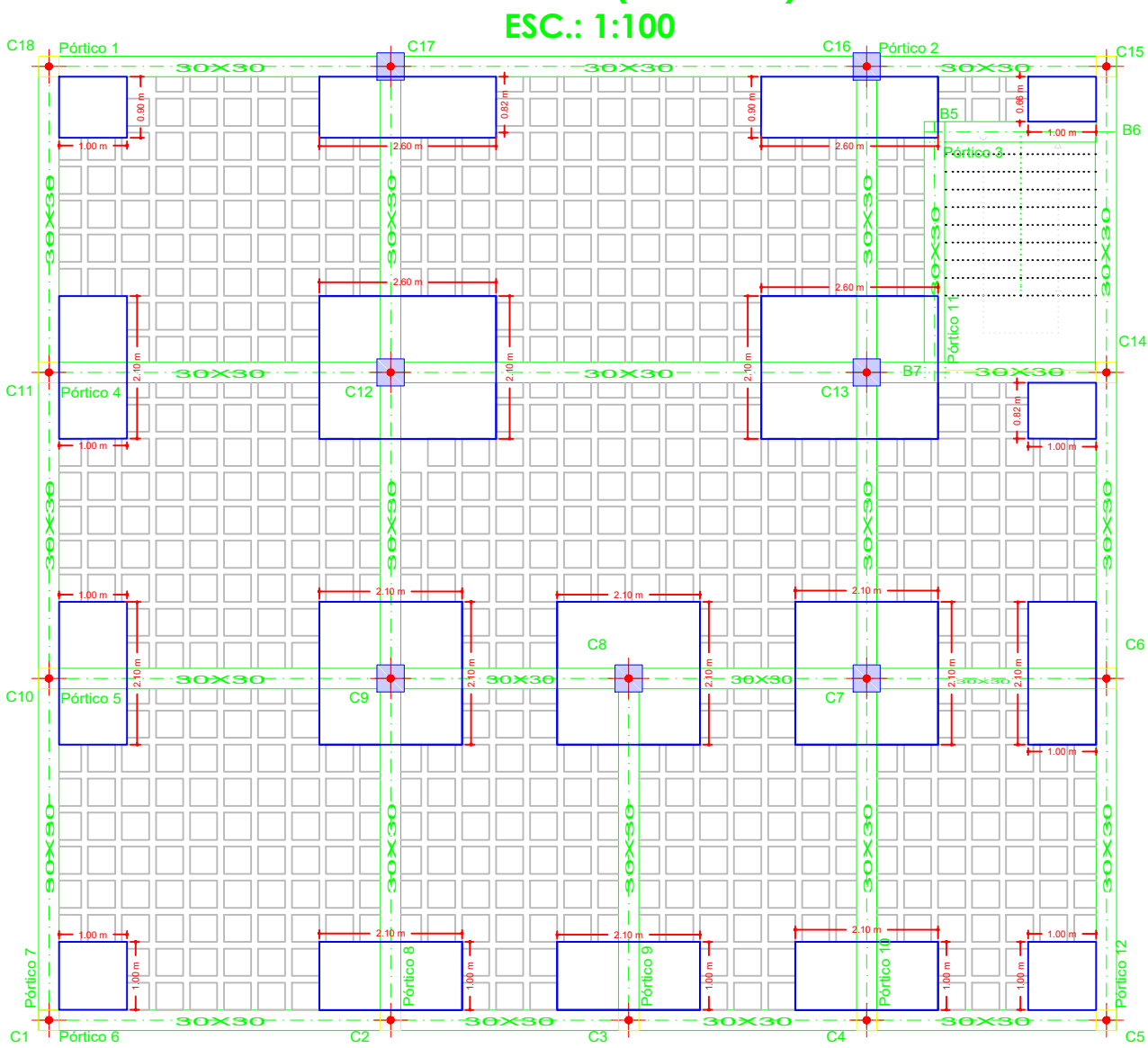
DISPOSICION DE REFUERZO TRANSVERSAL SUPERIOR
NIVEL +7.20 m (2da LOSA)
ESC.: 1:50



ARMADURA DE COMPRESION
NIVEL +7.20 m (2da LOSA)
ESC.: 1:50

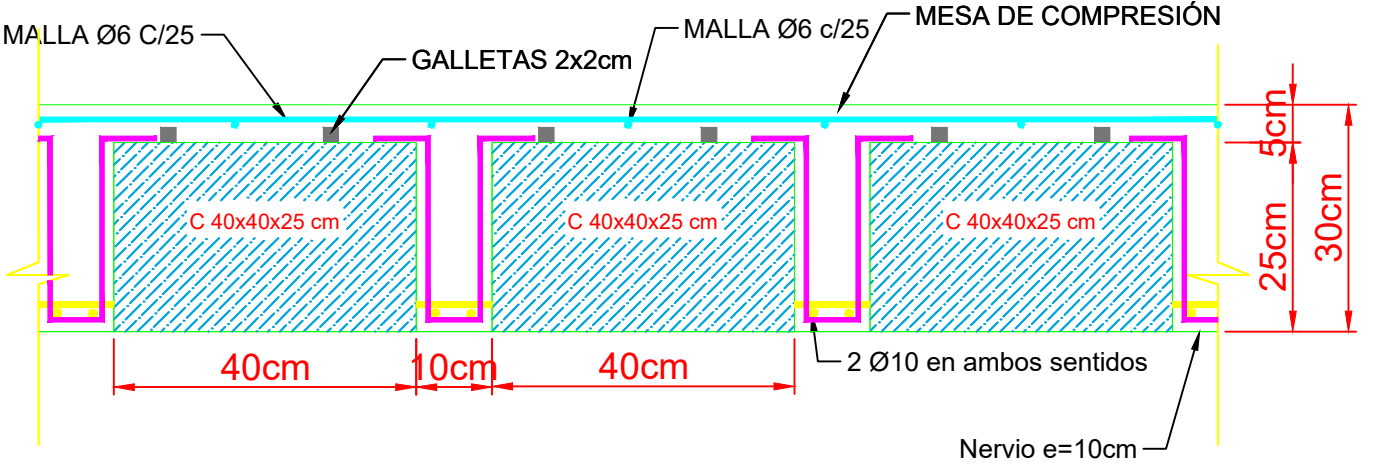


DISPOSICIÓN DE CASETONES
NIVEL +7.20 m (2da LOSA)
ESC.: 1:100

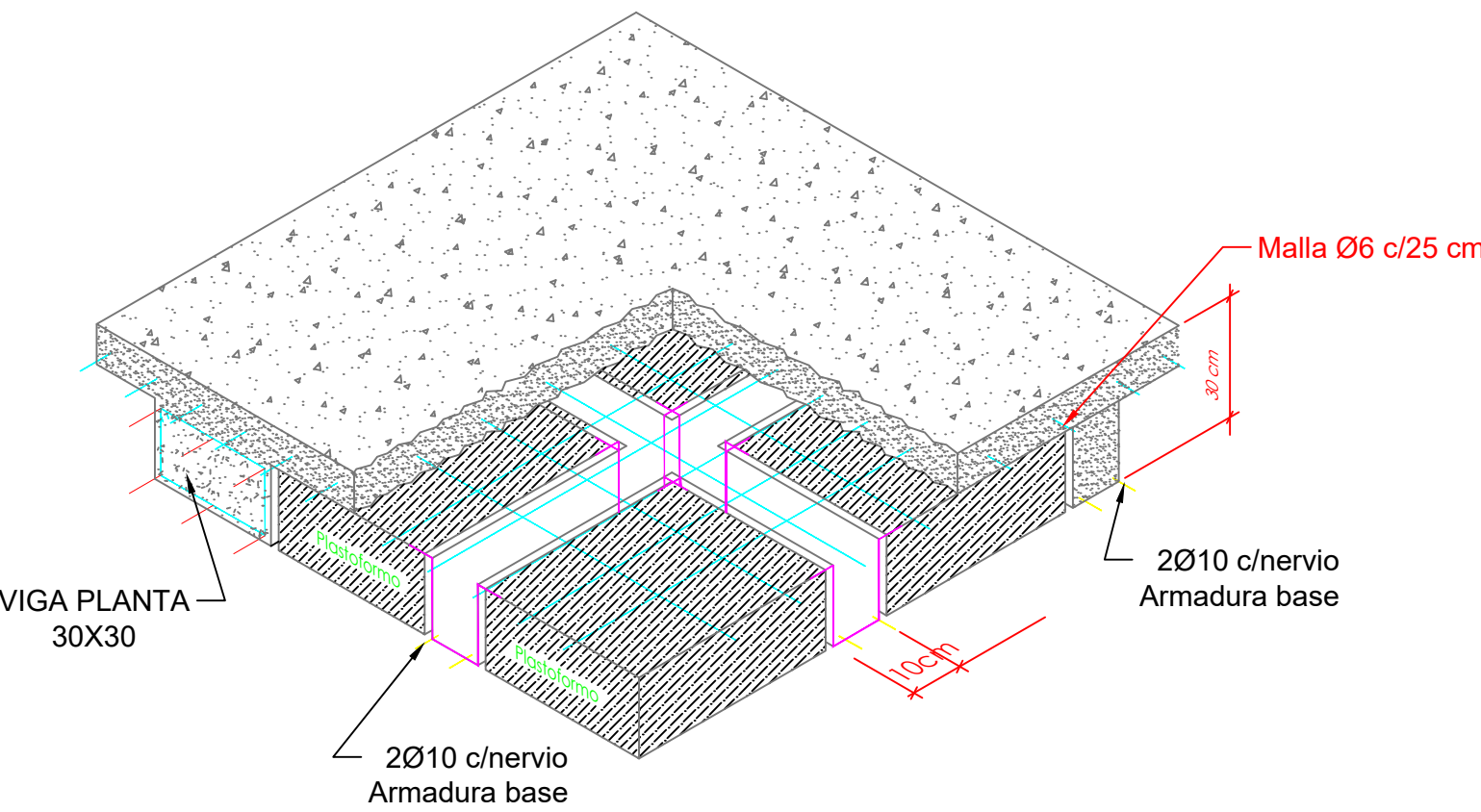


- DIAMETRO Ø6 mm
- DIAMETRO Ø8 mm
- DIAMETRO Ø10 mm
- DIAMETRO Ø12 mm
- DIAMETRO Ø16 mm
- DIAMETRO Ø20 mm
- DIAMETRO Ø25 mm

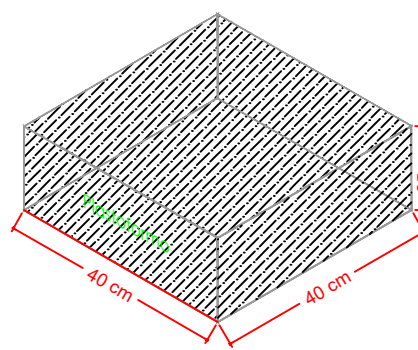
DETALLE LOSA RETICULAR (LR 30cm)
ESCALA 1:10



DETALLE LOSA NERVADA
sin escala



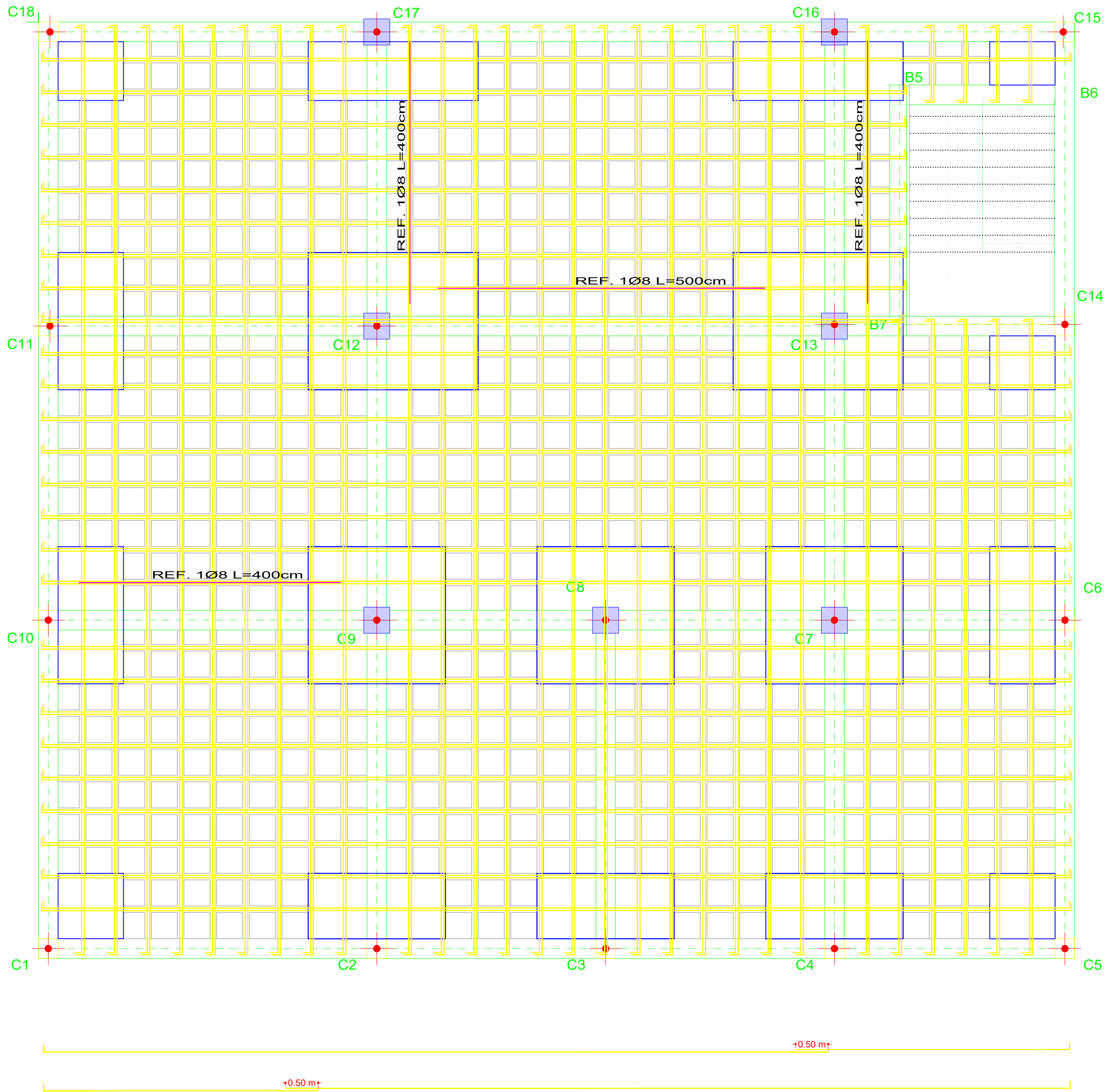
MEDIDAS DE CASETON



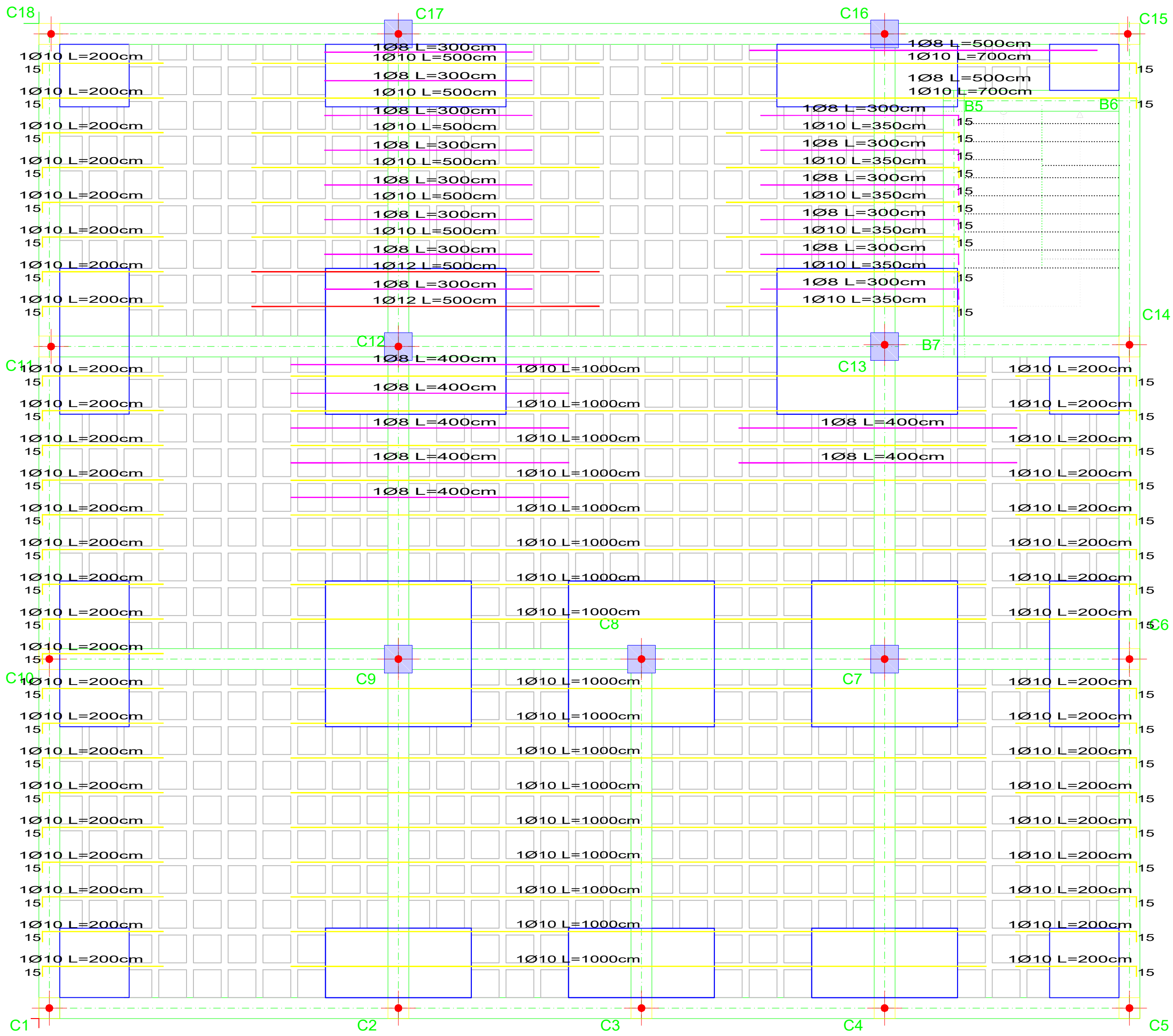
REPLANTEO Y REFUERZOS DE LOSA CASETONADA

Resumen de la	Long. total	Peso total	
PLANTA BAJA	(m)	(kg)	
Replanteo	48	403	
W=500cm	48	2016.7	1331.2
W=100cm	10.0	5.8	1423

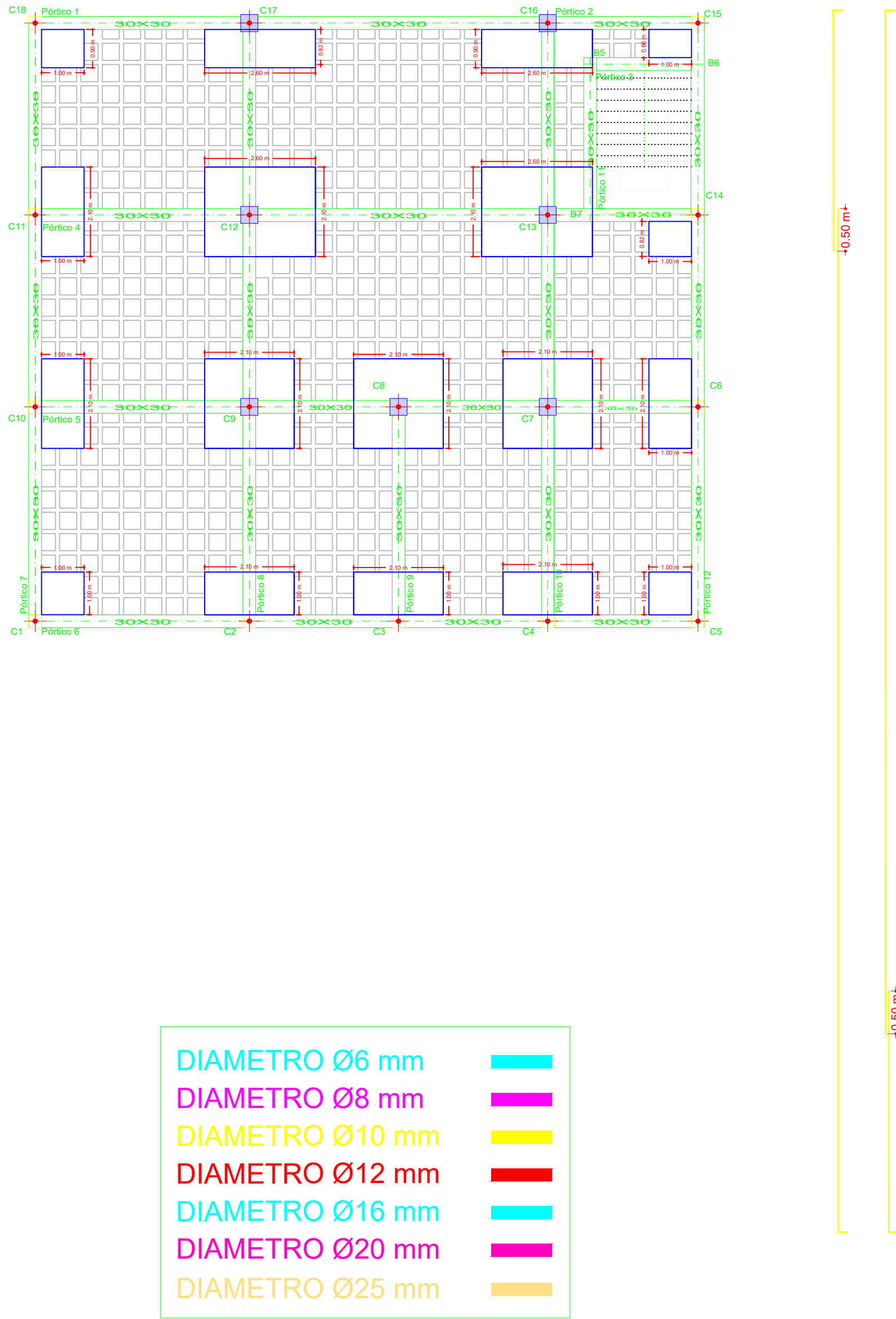
DISPOSICION DE ARMADURA BASE Y REFUERZO
LONGITUDINAL Y TRANSVERSAL EN NERVIOS 2Ø10 C/50 cm
NIVEL +10.80 m (3ra LOSA)
ESC.: 1:50



DISPOSICION DE REFUERZO LONGITUDINAL SUPERIOR
NIVEL +10.80 m (3ra LOSA)
ESC.: 1:50

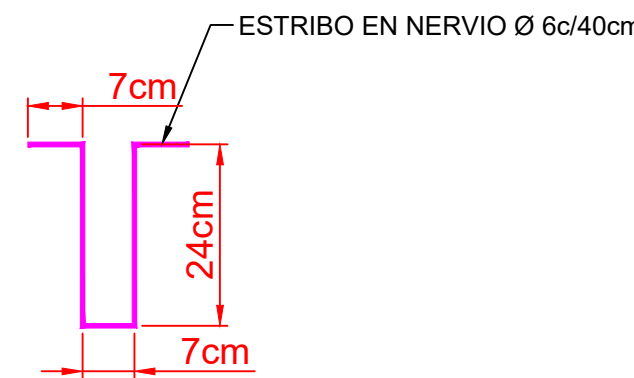
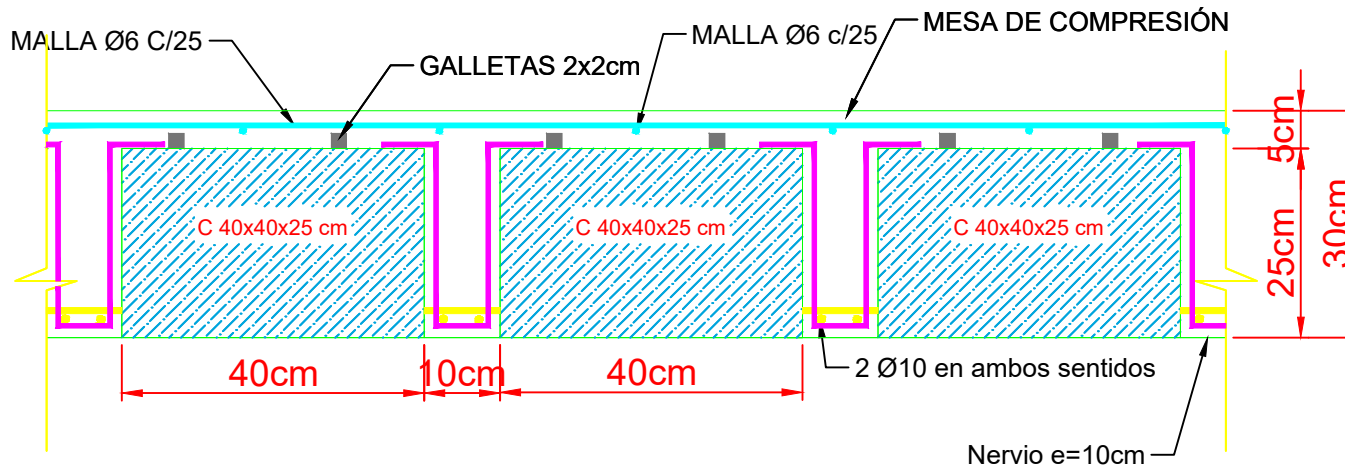


DISPOSICIÓN DE CASETONES
NIVEL +10.80 m (3ra LOSA)
ESC.: 1:100

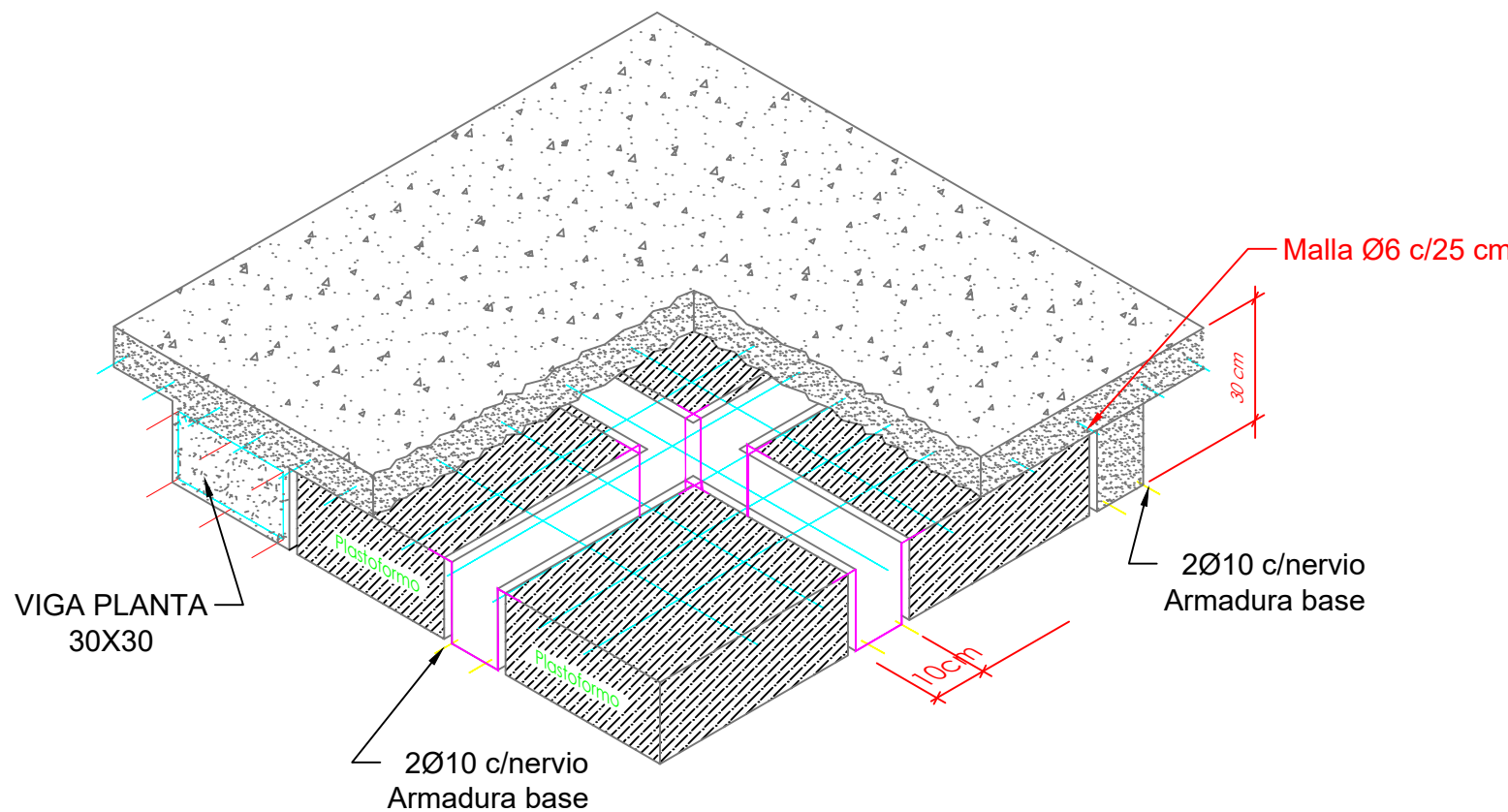


DIAMETRO Ø6 mm	
DIAMETRO Ø8 mm	
DIAMETRO Ø10 mm	
DIAMETRO Ø12 mm	
DIAMETRO Ø16 mm	
DIAMETRO Ø20 mm	
DIAMETRO Ø25 mm	

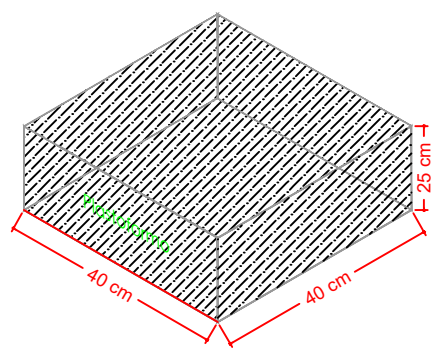
DETALLE LOSA RETICULAR (LR 30cm)
ESCALA 1:10



DETALLE LOSA NERVADA
sin escala



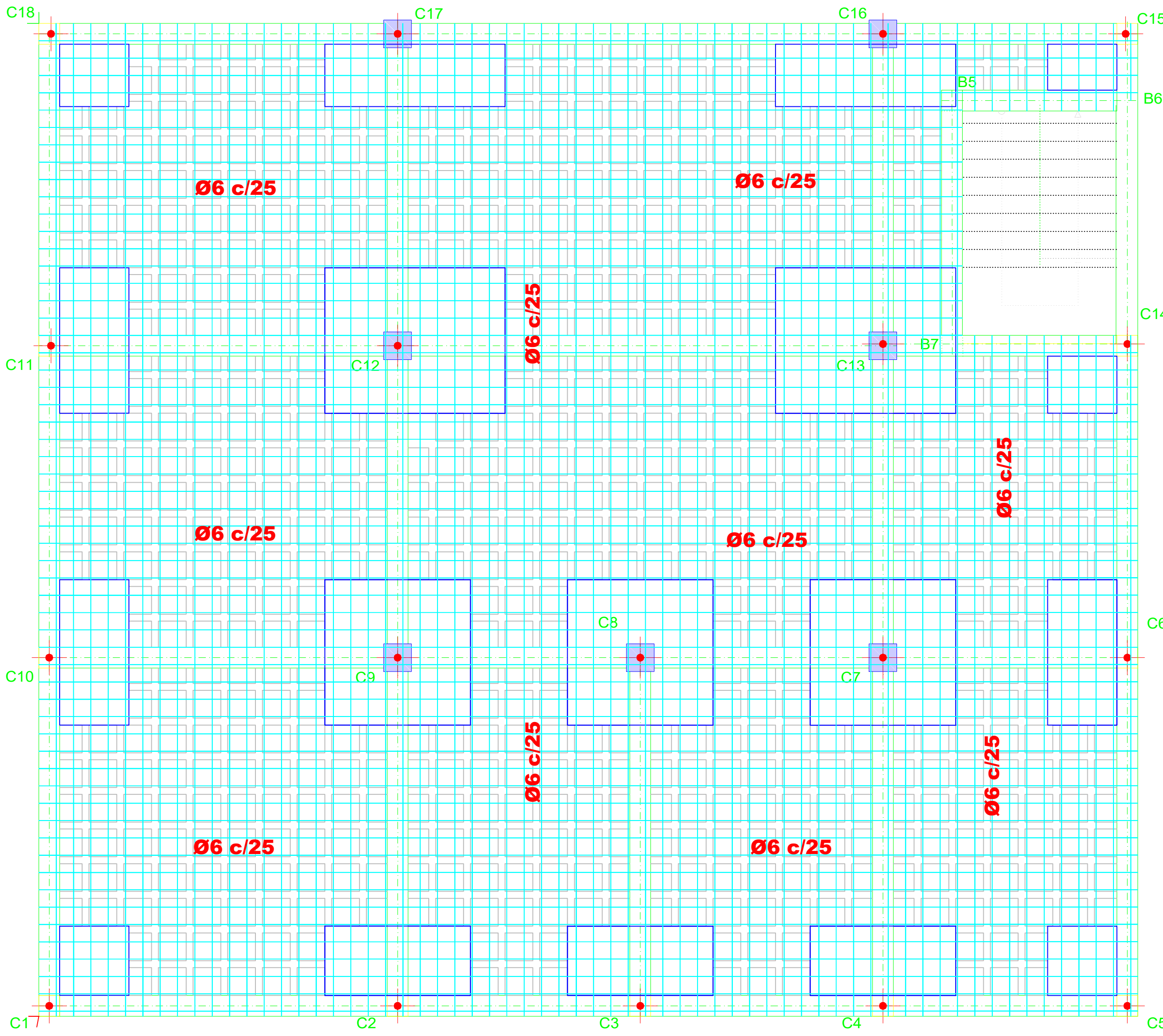
MEDIDAS DE CASETON



	UNIVERSIDAD AUTONOMA JUAN MISAEL SARACHO	
	FACULTAD DE CIENCIAS Y TECNOLOGIA	
	CARRERA DE INGENIERIA CIVIL	
PROYECTO: DISEÑO ESTRUCTURAL AMPLIACION DE LA INFRAESTRUCTURA EN EL CENTRO EXPERIMENTAL DE CHOCLOCA CECH - FCAF (U.A.J.M.S.).		
TITULO: CUADRO DE LOSA CASETONADA		
CARACTER: PLANOS ESTRUCTURALES	UNIVERSITARIO: JUAN GABRIEL MONTAÑO APARICIO	
VºBº:	ESCALA: INDICADA	PLANO: 17/21
FECHA: NOVIEMBRE / 2019		

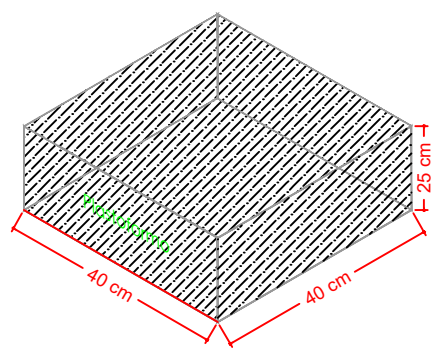
REPLANTEO Y REFUERZOS DE LOSA CASETONADA

ARMADURA DE COMPRESION
NIVEL +10.80 m (3ra LOSA)
ESC.: 1:50



DIAMETRO Ø6 mm	
DIAMETRO Ø8 mm	
DIAMETRO Ø10 mm	
DIAMETRO Ø12 mm	
DIAMETRO Ø16 mm	
DIAMETRO Ø20 mm	
DIAMETRO Ø25 mm	

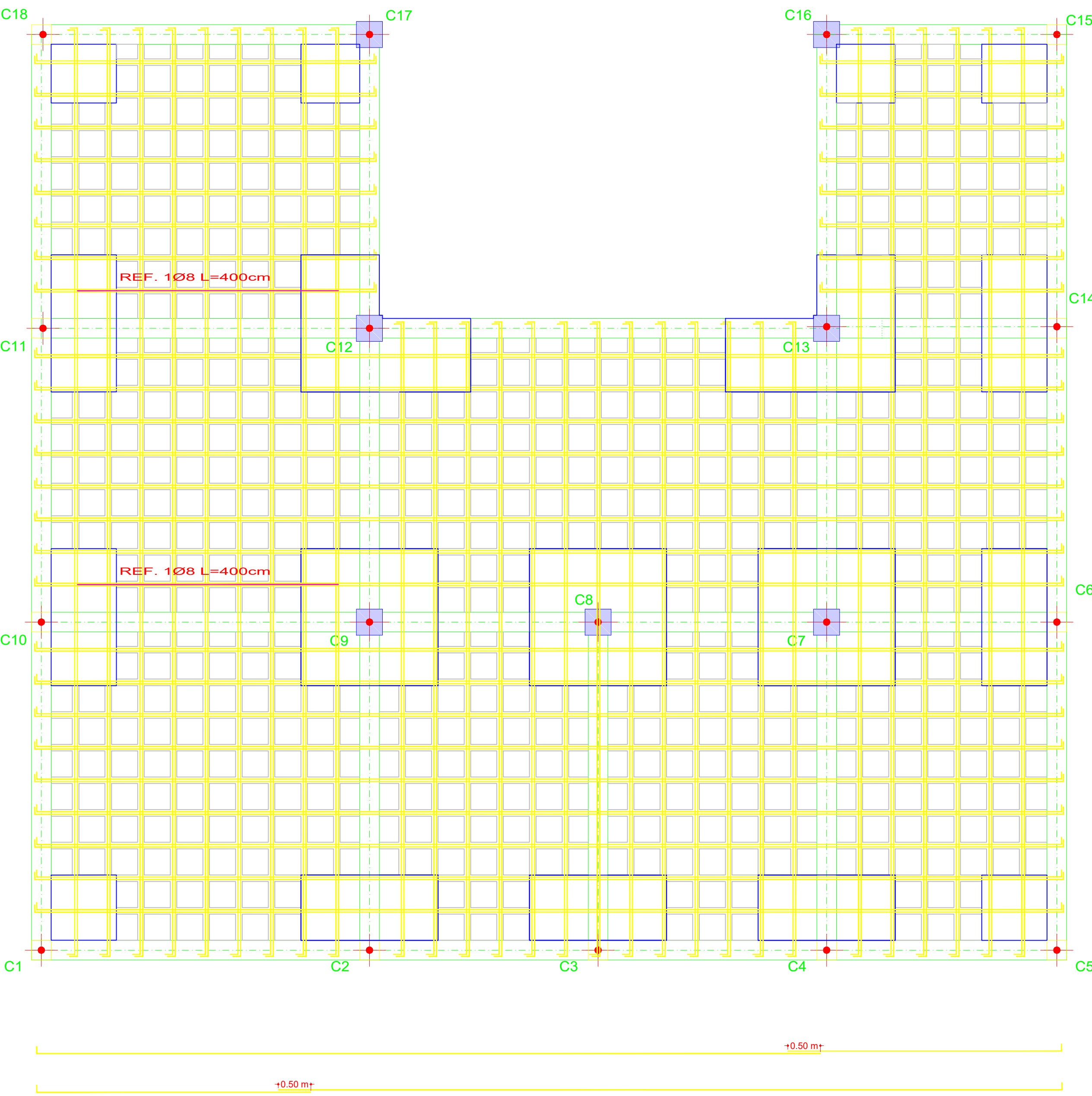
MEDIDAS DE CASETON



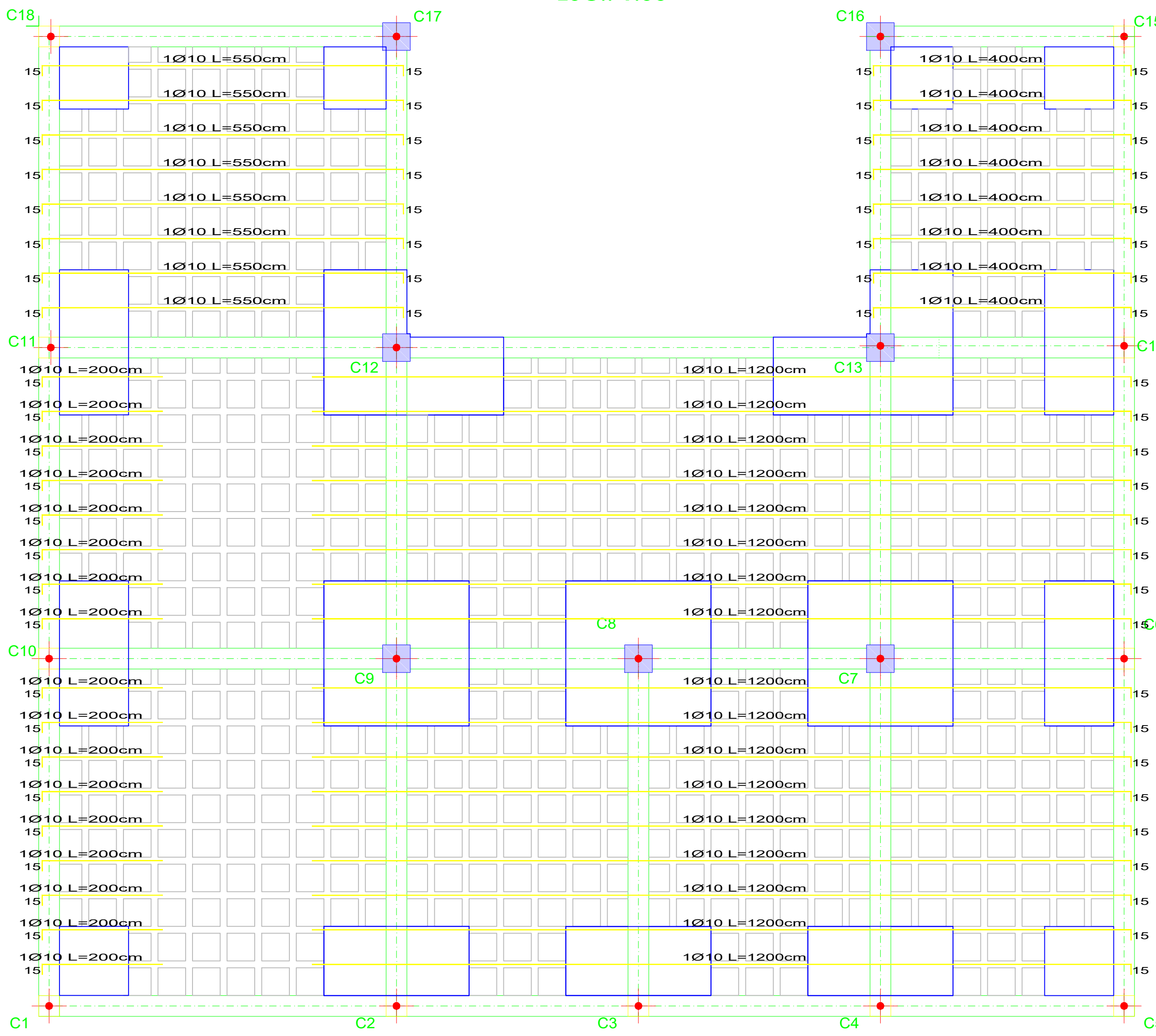
REPLANTEO Y REFUERZOS DE LOSA CASETONADA

Resumen de la PLANTA BAJA Representación	Long. total (m)	Resistencia (kg)	Total
W=5000N #10	8.0 1323.0	13 1300.4	1313

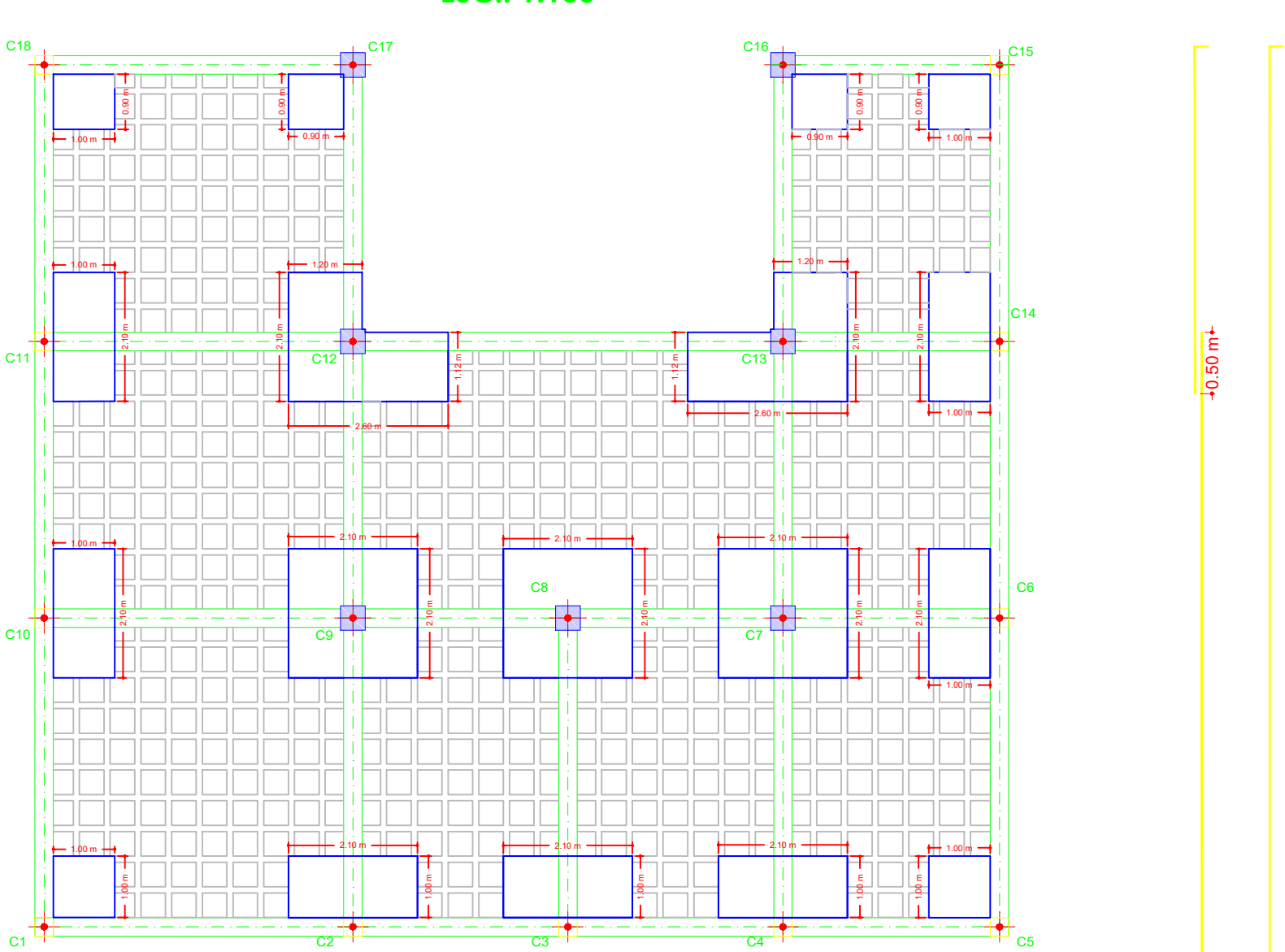
DISPOSICION DE ARMADURA BASE Y REFUERZO
LONGITUDINAL Y TRANSVERSAL EN NERVIOS 2Ø10 C/50 cm
NIVEL +14.40 m (4ta LOSA)
ESC.: 1:50



DISPOSICION DE REFUERZO LONGITUDINAL SUPERIOR
NIVEL +14.40 m (4ta LOSA)
ESC.: 1:50

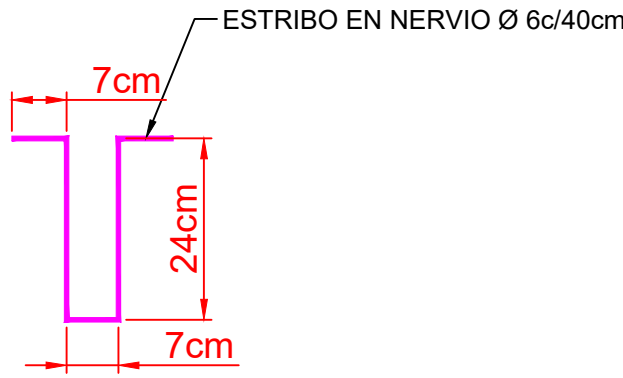
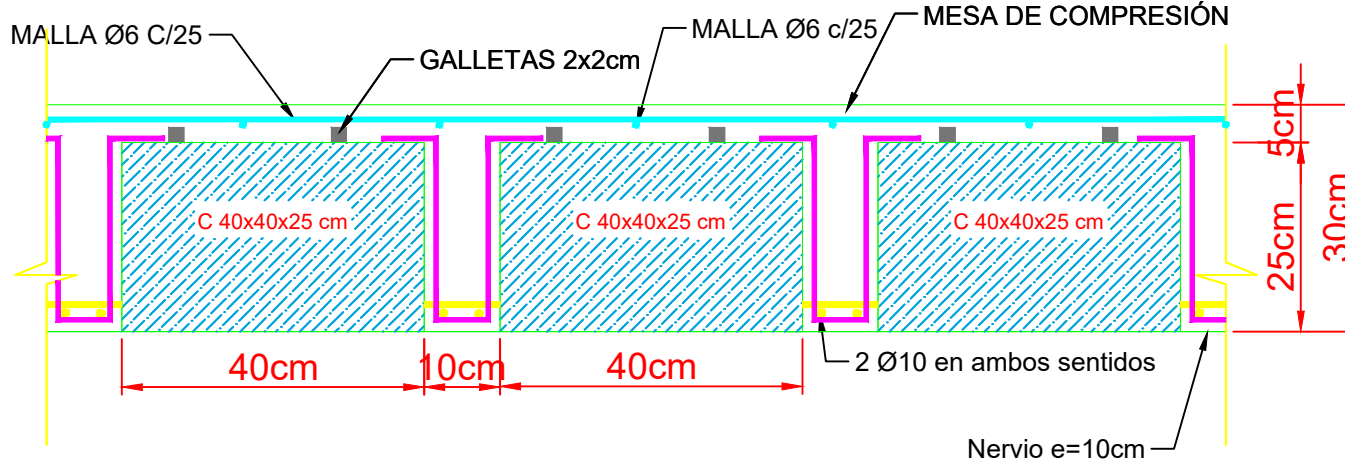


DISPOSICIÓN DE CASETONES
NIVELES +14.40 m (4ta LOSA)
ESC.: 1:100

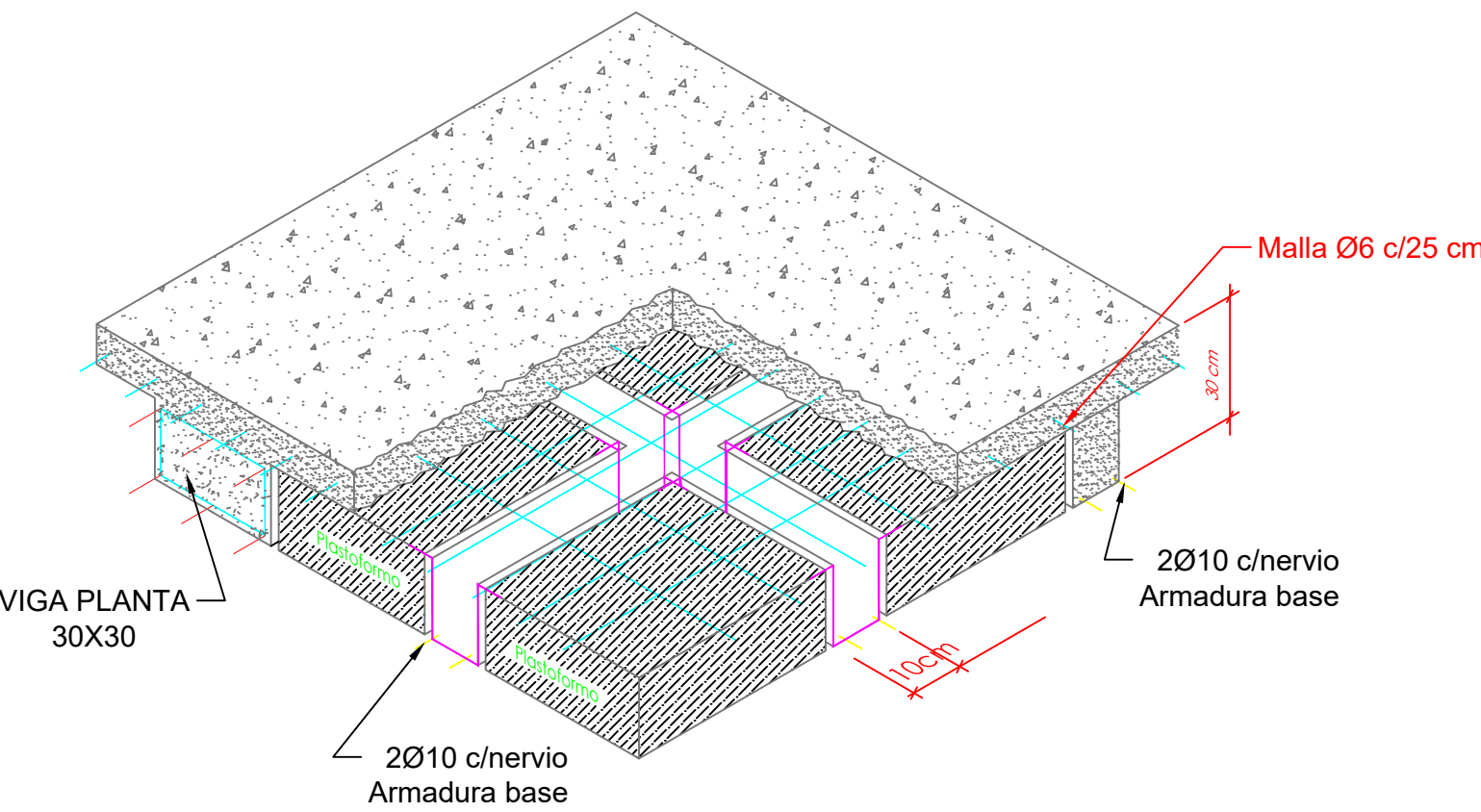


- DIAMETRO Ø6 mm
- DIAMETRO Ø8 mm
- DIAMETRO Ø10 mm
- DIAMETRO Ø12 mm
- DIAMETRO Ø16 mm
- DIAMETRO Ø20 mm
- DIAMETRO Ø25 mm

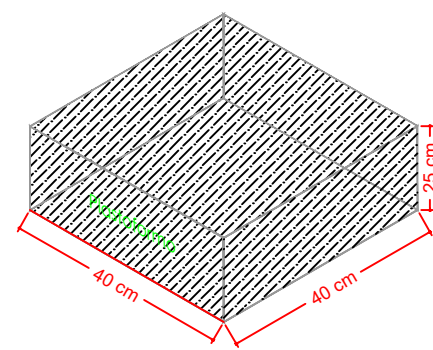
DETALLE LOSA RETICULAR (LR 30cm)
ESCALA 1:10



DETALLE LOSA NERVADA
sin escala



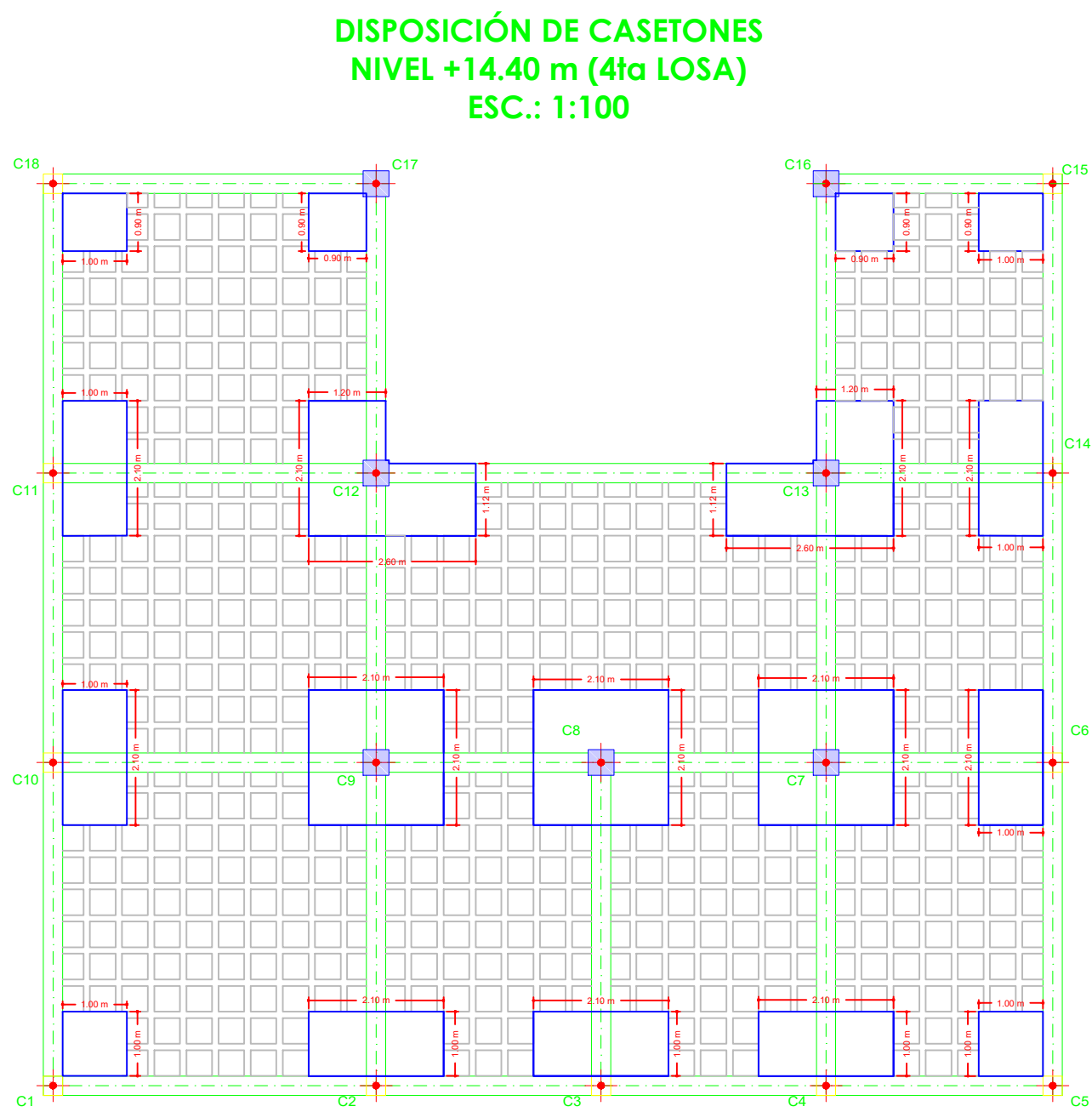
MEDIDAS DE CASETON



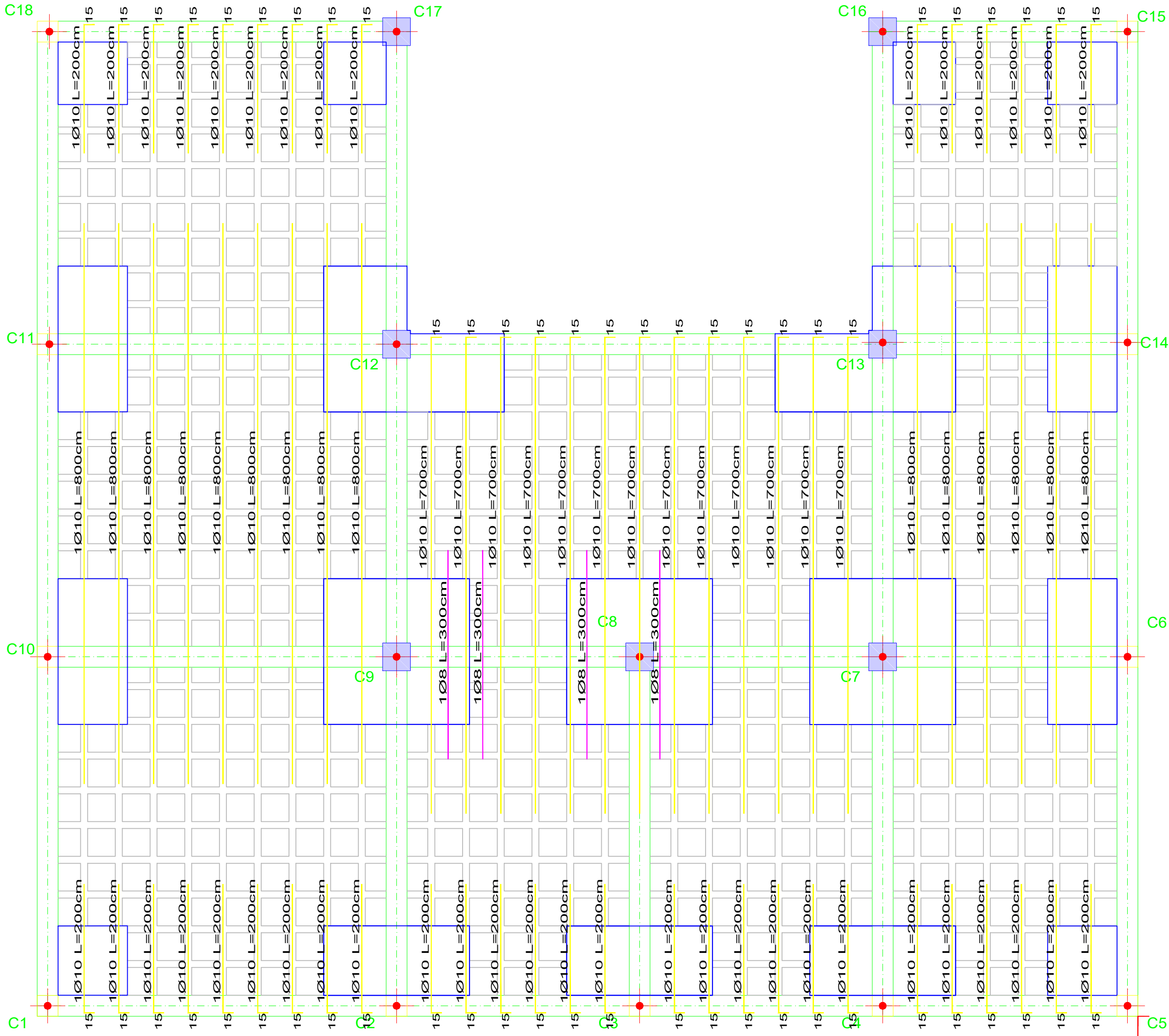
	UNIVERSIDAD AUTONOMA JUAN MISAE SARACHO		
	FACULTAD DE CIENCIAS Y TECNOLOGIA		
	CARRERA DE INGENIERIA CIVIL		
PROYECTO: DISEÑO ESTRUCTURAL AMPLIACION DE LA INFRAESTRUCTURA EN EL CENTRO EXPERIMENTAL DE CHOCLOCA CECH - FCAF (U.A.J.M.S.)			
TITULO: CUADRO DE LOSA CASETONADA			
CARACTER: PLANOS ESTRUCTURALES	UNIVERSITARIO: JUAN GABRIEL MONTAÑO APARICIO		
VºBº:	ESCALA: INDICADA	PLANO: 19/21	
	FECHA: NOVIEMBRE / 2019		

REPLANTEO Y REFUERZOS DE LOSA CASETONADA

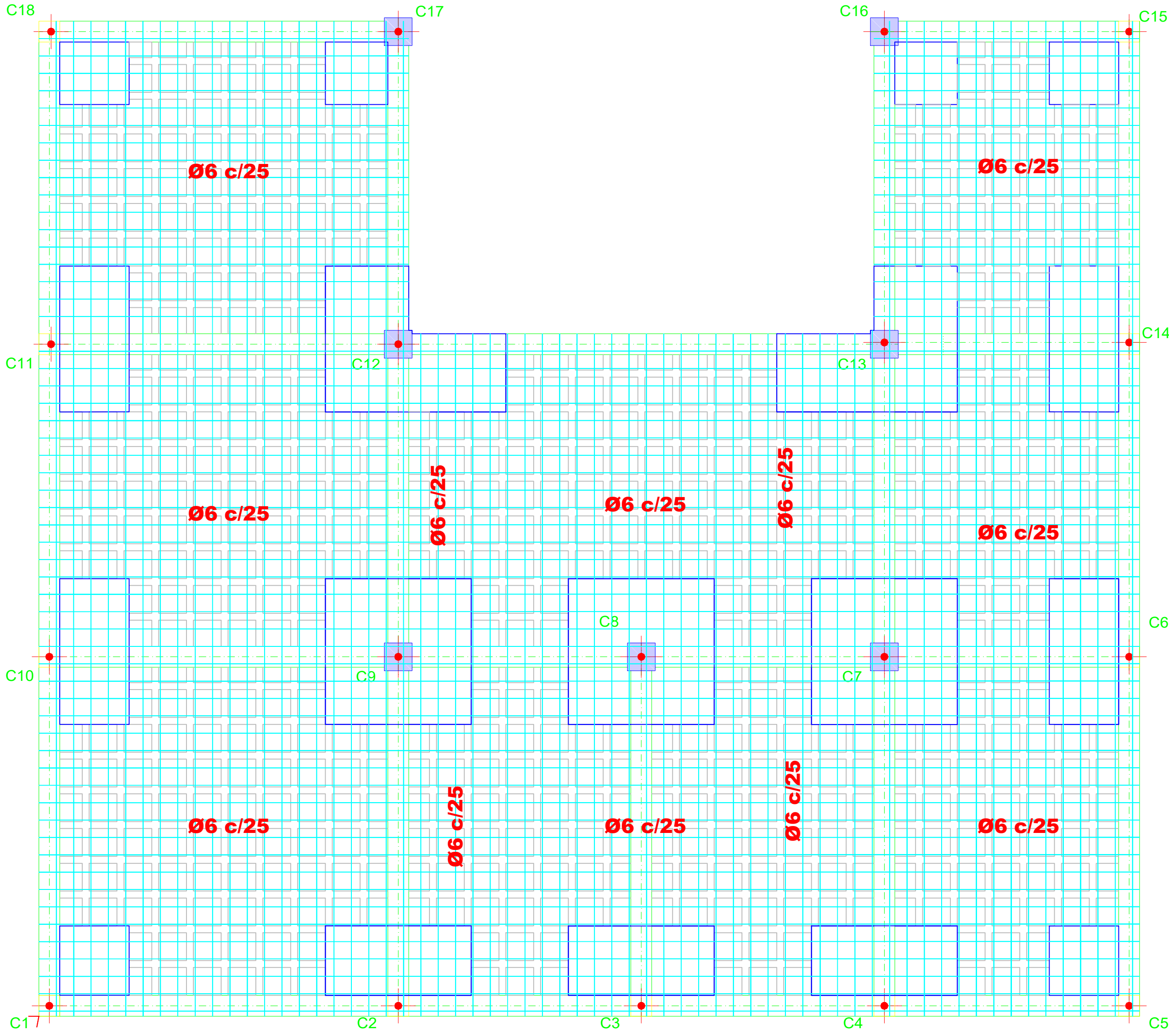
Resumen de la PLANTA BAJA		Long. total (m)	Resistencia (kg)	Total
W=5000N	Ø8	1582.4	405.8	
	Ø8	12.5	5.3	
	Ø10	281.0	191.3	602



DISPOSICION DE REFUERZO TRANSVERSAL SUPERIOR
NIVEL +14.40 m (4ta LOSA)
ESC.: 1:50

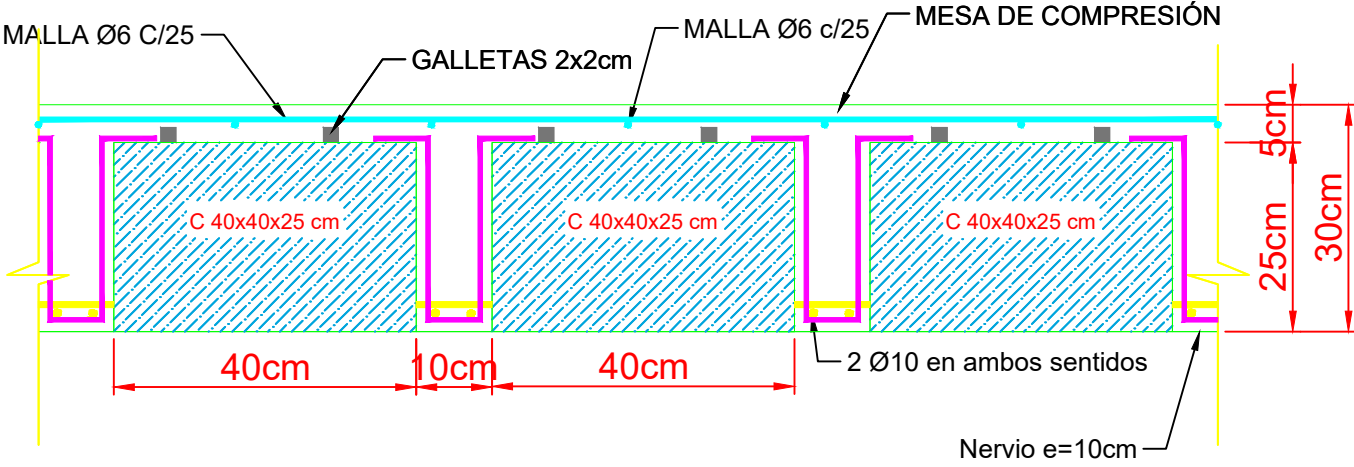


ARMADURA DE COMPRESION
NIVEL +14.40 m (4ta LOSA)
ESC.: 1:50

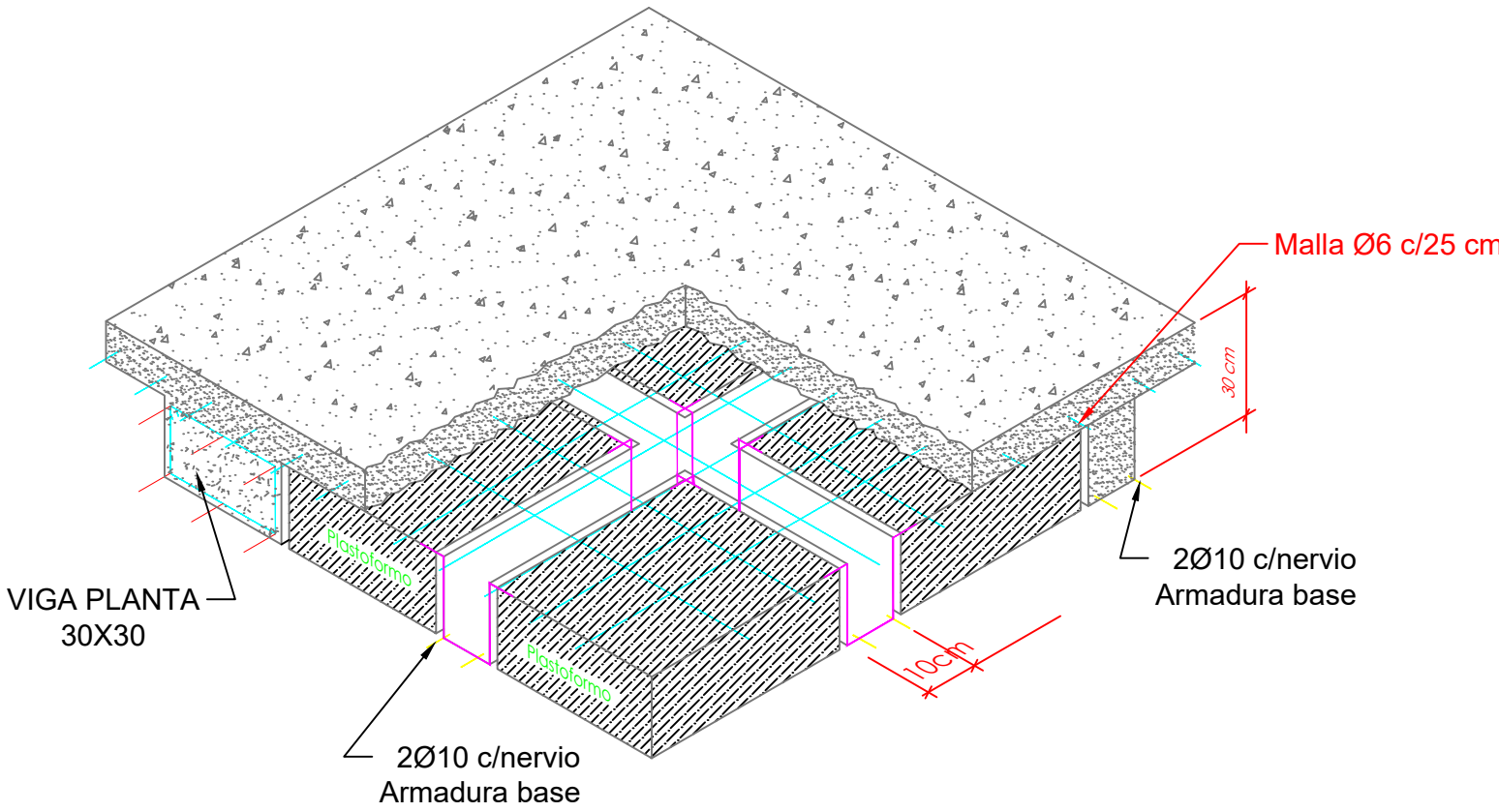


- DIAMETRO Ø6 mm
DIAMETRO Ø8 mm
DIAMETRO Ø10 mm
DIAMETRO Ø12 mm
DIAMETRO Ø16 mm
DIAMETRO Ø20 mm
DIAMETRO Ø25 mm

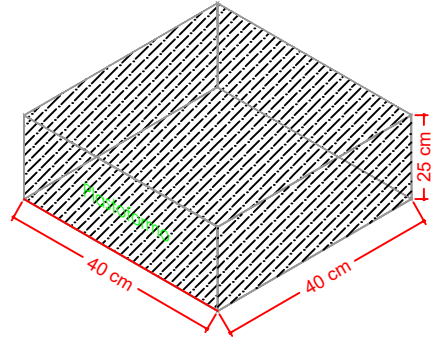
DETALLE LOSA RETICULAR (LR 30cm)
ESCALA 1:10



DETALLE LOSA NERVADA
sin escala

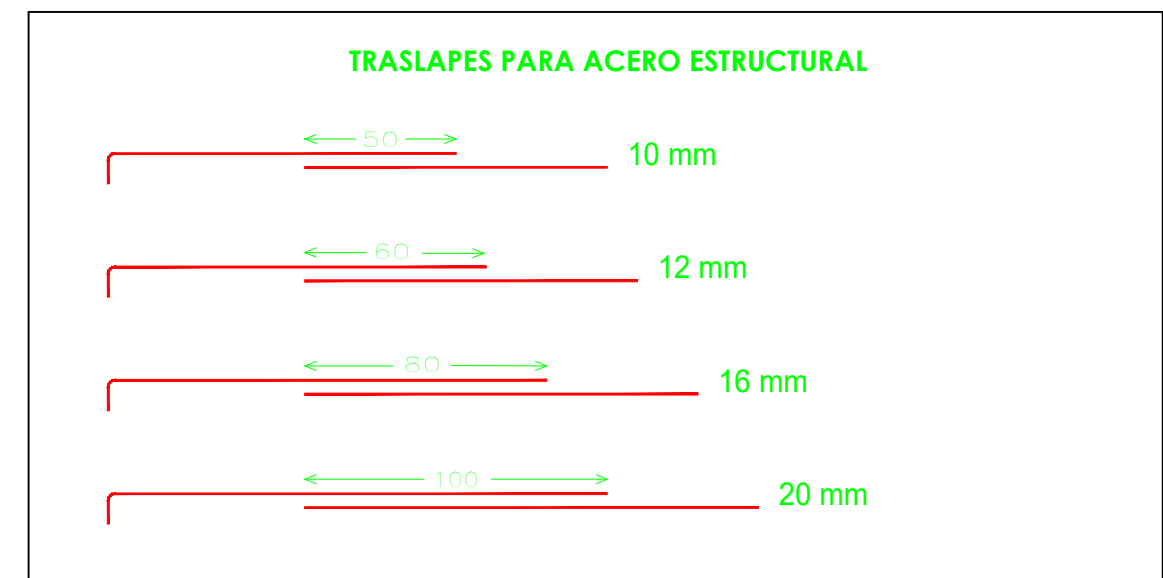
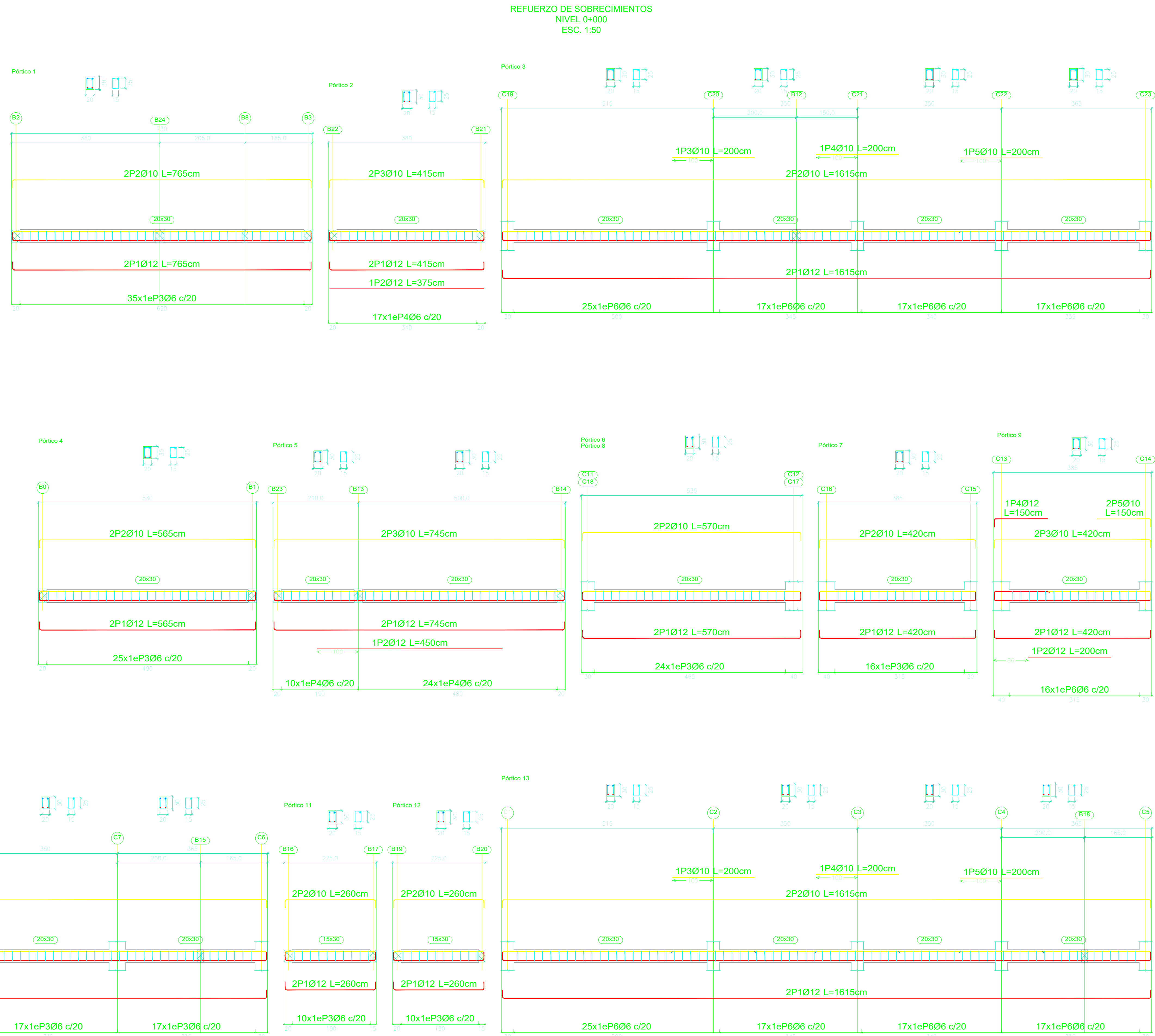


MEDIDAS DE CASETON



	UNIVERSIDAD AUTONOMA JUAN MISAEL SARACHO		
	FACULTAD DE CIENCIAS Y TECNOLOGIA		
	CARRERA DE INGENIERIA CIVIL		
PROYECTO: DISEÑO ESTRUCTURAL AMPLIACION DE LA INFRAESTRUCTURA EN EL CENTRO EXPERIMENTAL DE CHOCLOCA CECH - FCAF (U.A.J.M.S.)			
TITULO: CUADRO DE LOSA CASETONADA			
CARACTER: PLANOS ESTRUCTURALES	UNIVERSITARIO: JUAN GABRIEL MONTAÑO APARICIO		
	V'B':		PLANO: 20/21
ESCALA: INDICADA			
FECHA: NOVIEMBRE / 2019			

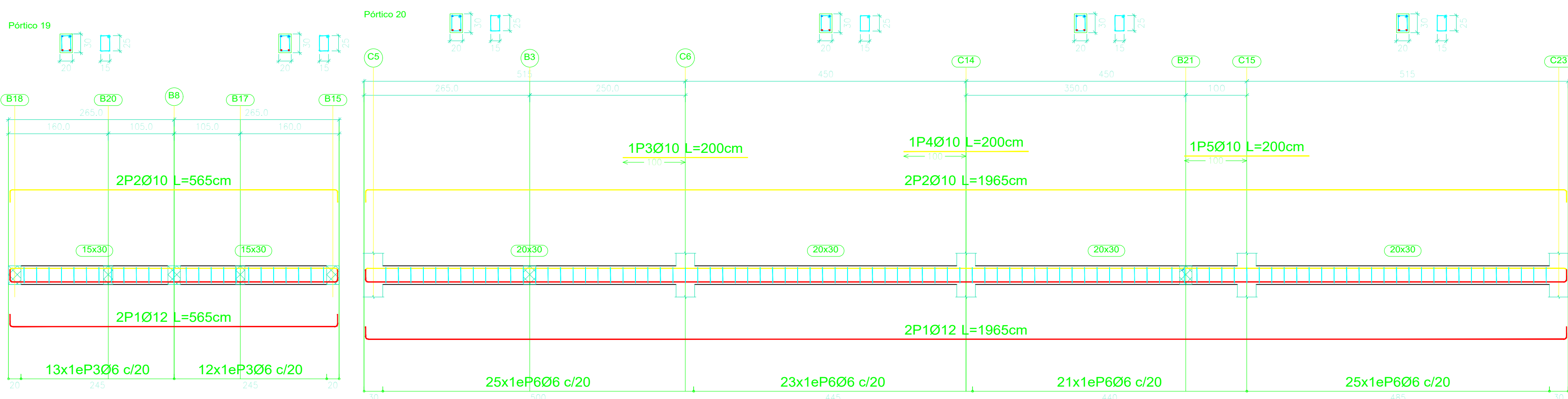
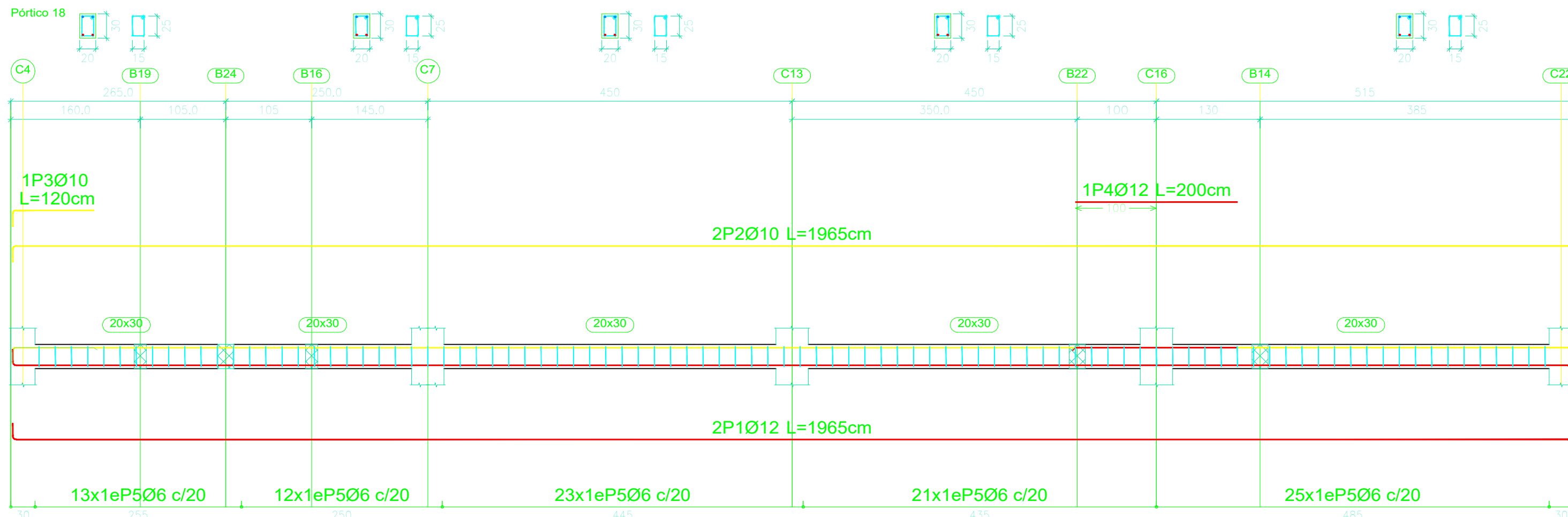
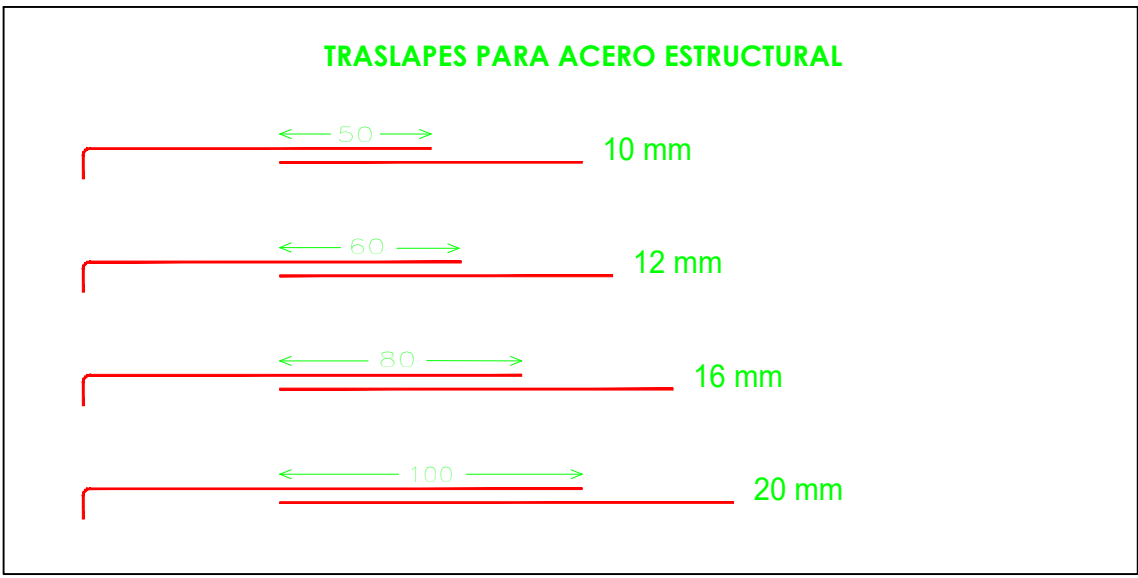
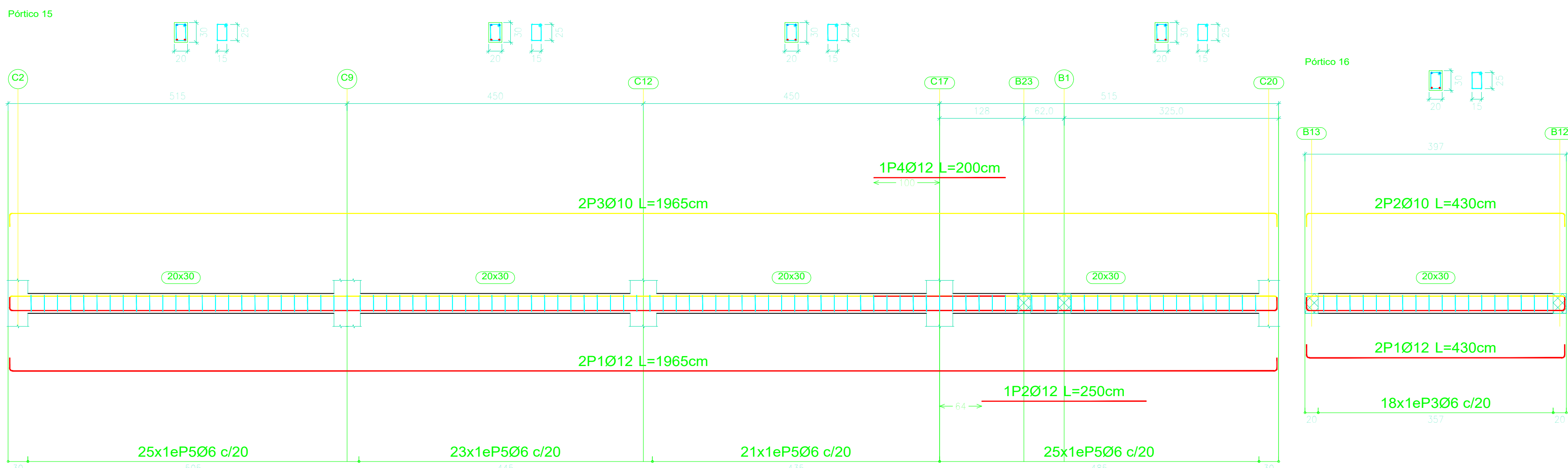
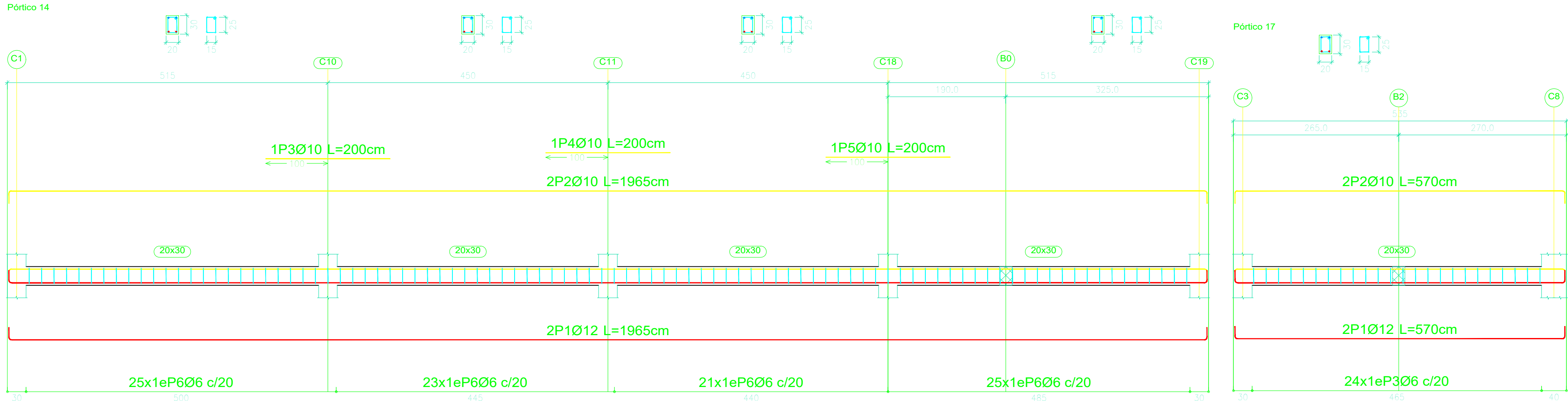
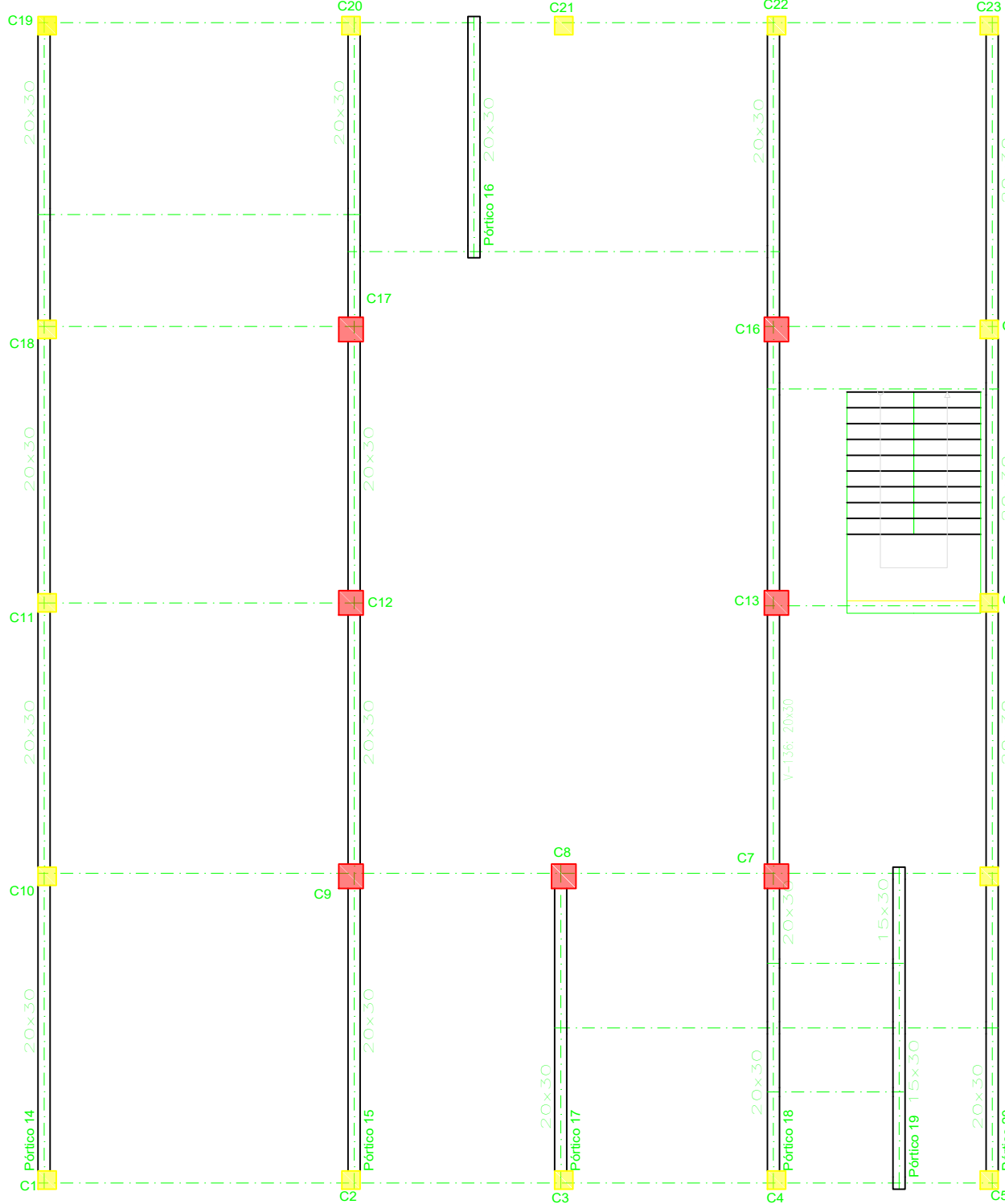
Elements	Mass	Volume	Porosity	Secant	Young's	Secant	Young's
	(g)	(cm ³)	(%)	(cm)	(cm)	(cm)	(cm)
Series I	ρ_{11}	1.0	0	0	0	0	0
	ρ_{12}	1.0	0	0	0	0	0
	ρ_{13}	1.0	0	0	0	0	0
Series II	ρ_{21}	1.0	0	0	0	0	0
	ρ_{22}	1.0	0	0	0	0	0
	ρ_{23}	1.0	0	0	0	0	0
Series III	ρ_{31}	1.0	0	0	0	0	0
	ρ_{32}	1.0	0	0	0	0	0
	ρ_{33}	1.0	0	0	0	0	0
Series IV	ρ_{41}	1.0	0	0	0	0	0
	ρ_{42}	1.0	0	0	0	0	0
	ρ_{43}	1.0	0	0	0	0	0
Series V	ρ_{51}	1.0	0	0	0	0	0
	ρ_{52}	1.0	0	0	0	0	0
	ρ_{53}	1.0	0	0	0	0	0
Series VI	ρ_{61}	1.0	0	0	0	0	0
	ρ_{62}	1.0	0	0	0	0	0
	ρ_{63}	1.0	0	0	0	0	0
Series VII	ρ_{71}	1.0	0	0	0	0	0
	ρ_{72}	1.0	0	0	0	0	0
	ρ_{73}	1.0	0	0	0	0	0
Series VIII	ρ_{81}	1.0	0	0	0	0	0
	ρ_{82}	1.0	0	0	0	0	0
	ρ_{83}	1.0	0	0	0	0	0
Series IX	ρ_{91}	1.0	0	0	0	0	0
	ρ_{92}	1.0	0	0	0	0	0
	ρ_{93}	1.0	0	0	0	0	0
Series X	ρ_{101}	1.0	0	0	0	0	0
	ρ_{102}	1.0	0	0	0	0	0
	ρ_{103}	1.0	0	0	0	0	0
Series XI	ρ_{111}	1.0	0	0	0	0	0
	ρ_{112}	1.0	0	0	0	0	0
	ρ_{113}	1.0	0	0	0	0	0
Series XII	ρ_{121}	1.0	0	0	0	0	0
	ρ_{122}	1.0	0	0	0	0	0
	ρ_{123}	1.0	0	0	0	0	0
Series XIII	ρ_{131}	1.0	0	0	0	0	0
	ρ_{132}	1.0	0	0	0	0	0
	ρ_{133}	1.0	0	0	0	0	0
Series XIV	ρ_{141}	1.0	0	0	0	0	0
	ρ_{142}	1.0	0	0	0	0	0
	ρ_{143}	1.0	0	0	0	0	0
Series XV	ρ_{151}	1.0	0	0	0	0	0
	ρ_{152}	1.0	0	0	0	0	0
	ρ_{153}	1.0	0	0	0	0	0
Series XVI	ρ_{161}	1.0	0	0	0	0	0
	ρ_{162}	1.0	0	0	0	0	0
	ρ_{163}	1.0	0	0	0	0	0
Series XVII	ρ_{171}	1.0	0	0	0	0	0
	ρ_{172}	1.0	0	0	0	0	0
	ρ_{173}	1.0	0	0	0	0	0
Series XVIII	ρ_{181}	1.0	0	0	0	0	0
	ρ_{182}	1.0	0	0	0	0	0
	ρ_{183}	1.0	0	0	0	0	0
Series XIX	ρ_{191}	1.0	0	0	0	0	0
	ρ_{192}	1.0	0	0	0	0	0
	ρ_{193}	1.0	0	0	0	0	0
Series XX	ρ_{201}	1.0	0	0			



REPLANTEO Y REFUERZOS DE VIGAS PARA PLANTA BAJA

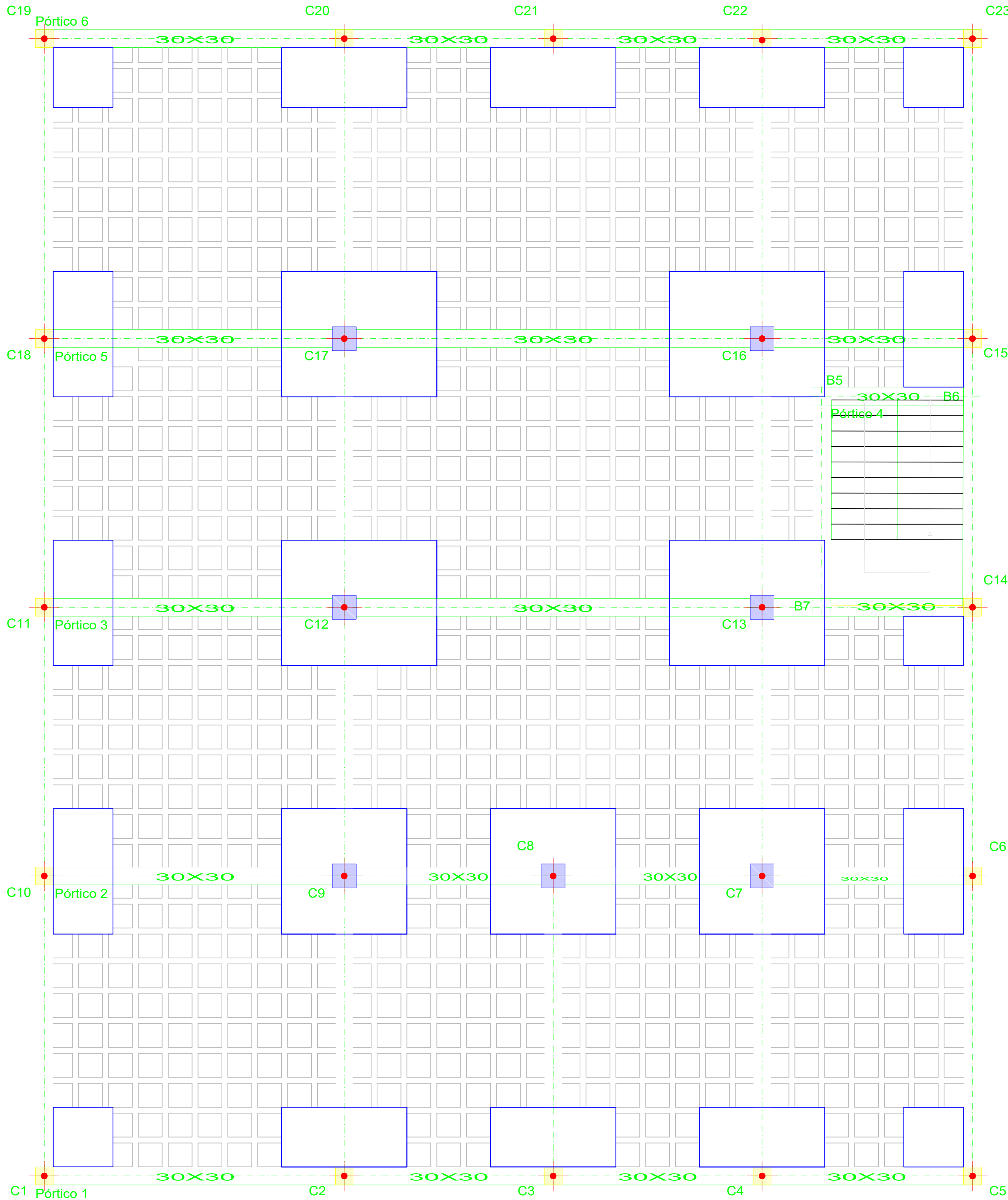
REFUERZO DE SOBRECIENTOS
NIVEL 0+000
ESC. 1:50

ESQUEMA ESTRUCTURAL
NIVEL 0+000
ESC. 1:100

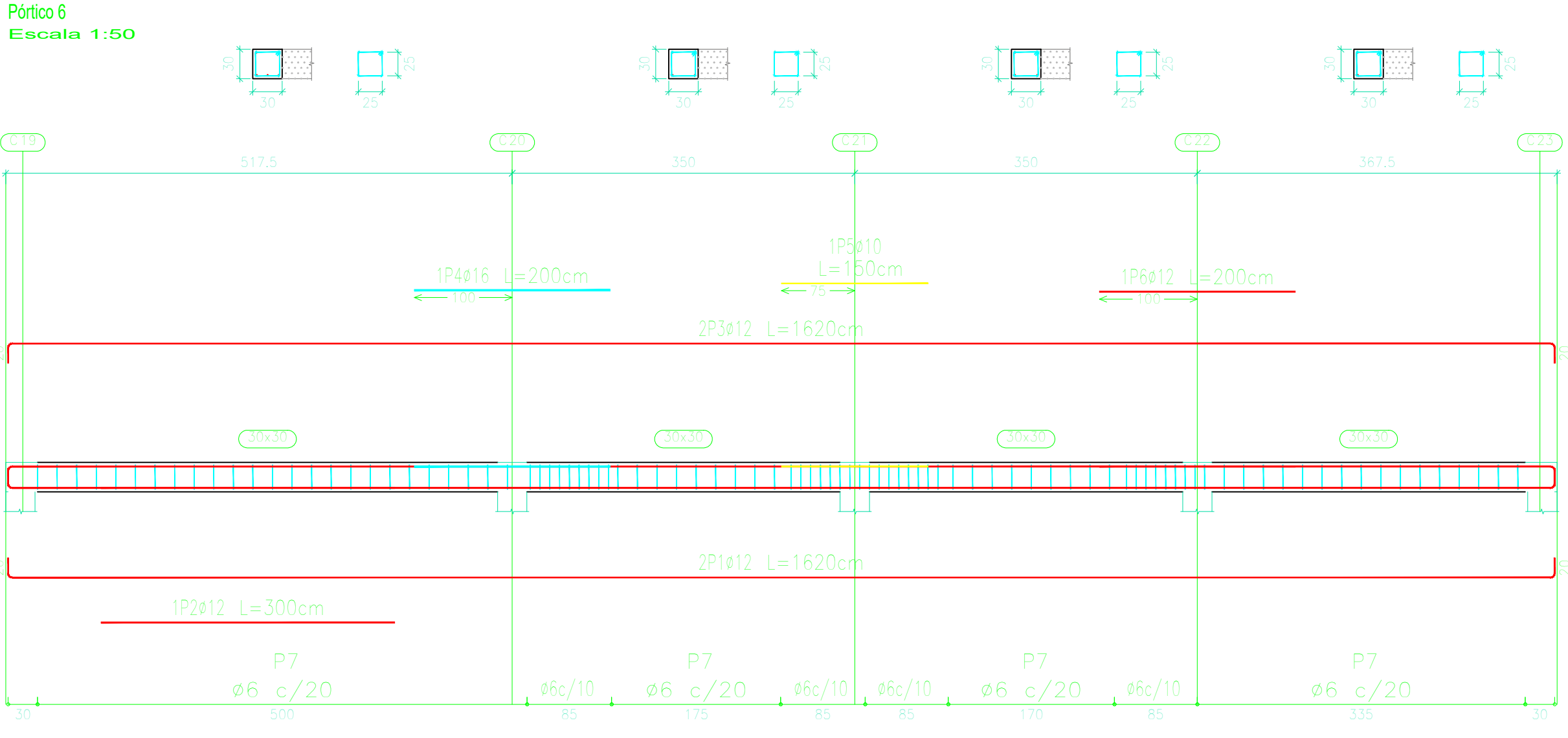
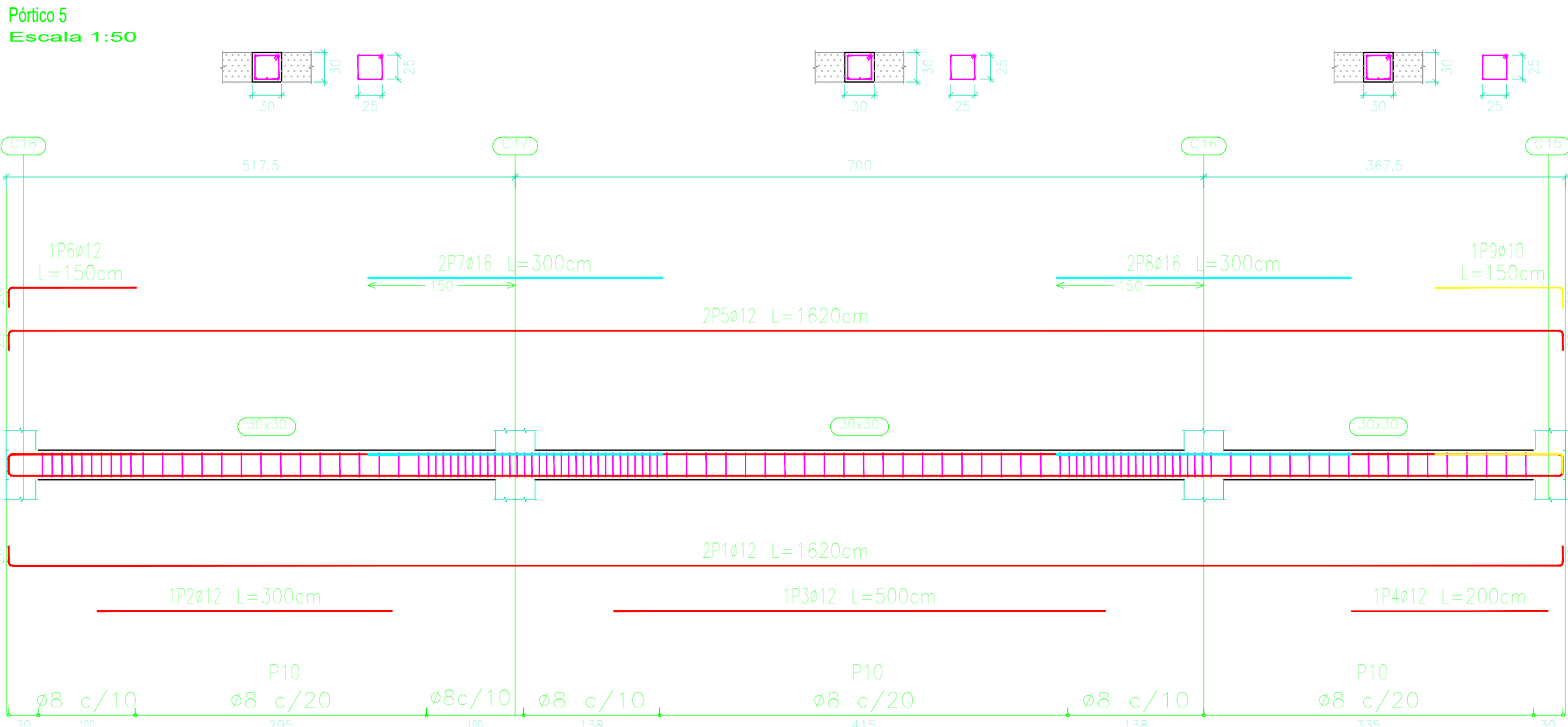
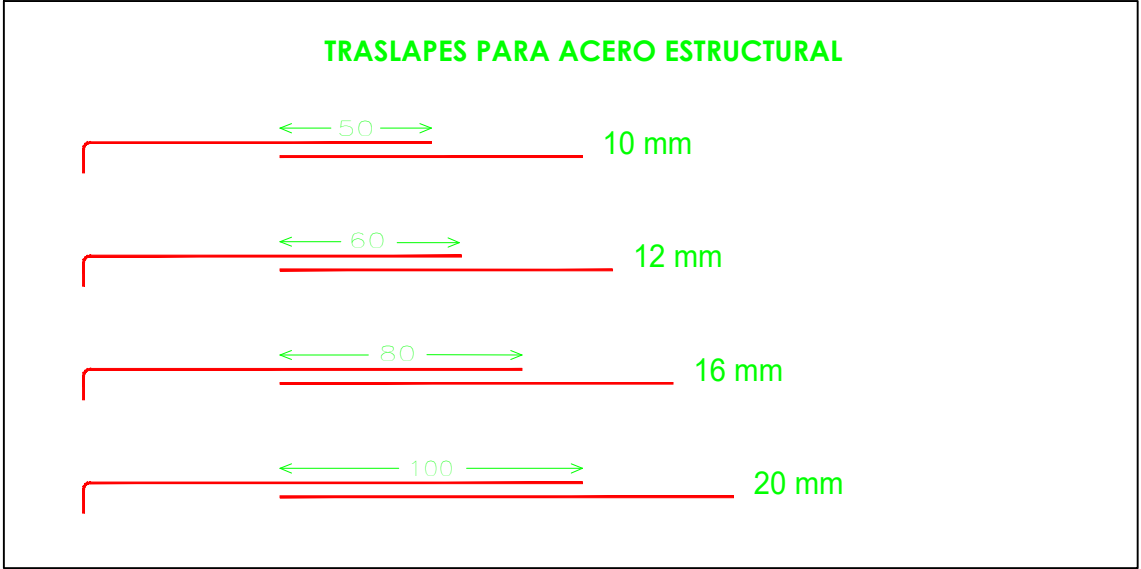
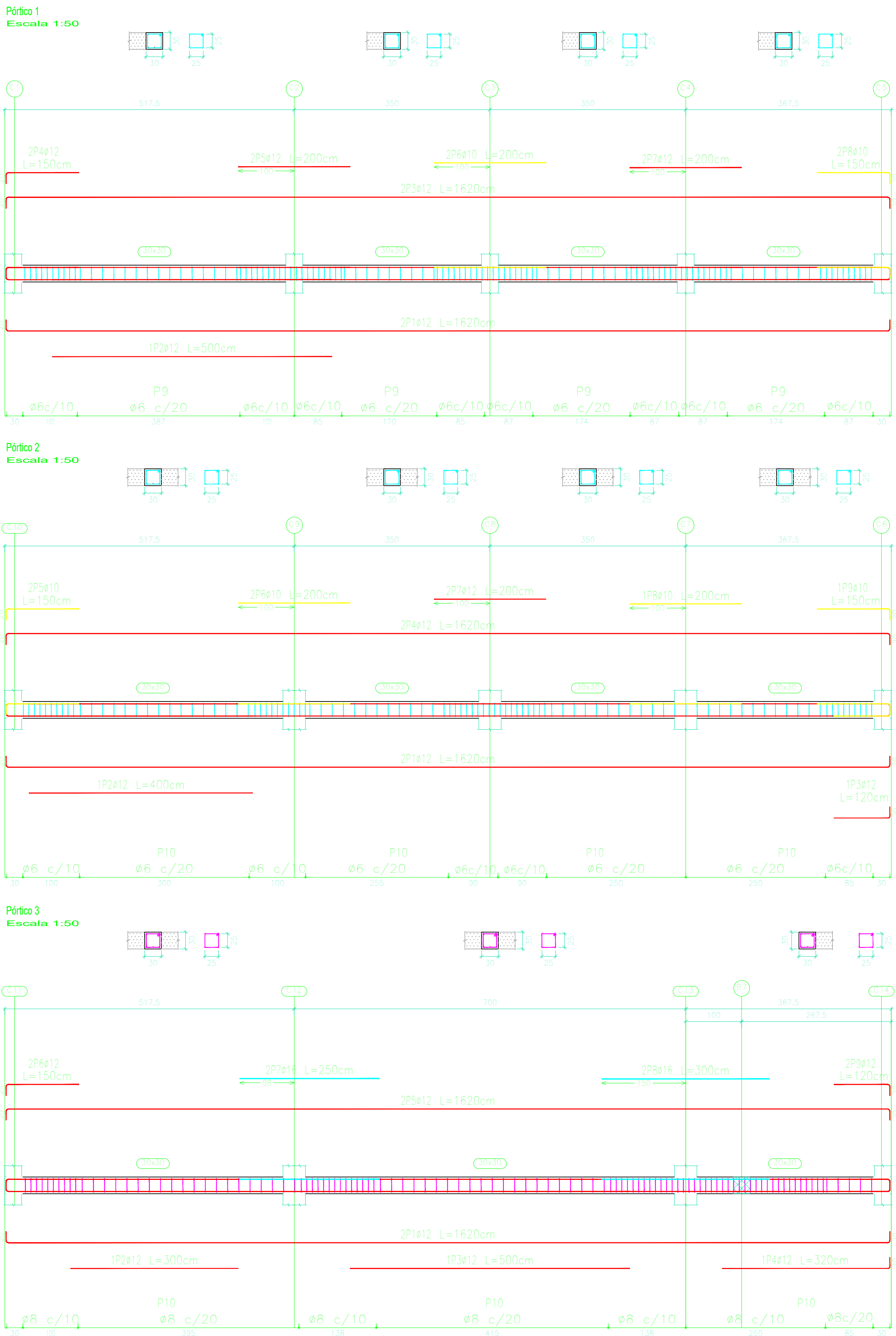


REPLANTEO Y REFUERZOS DE VIGAS

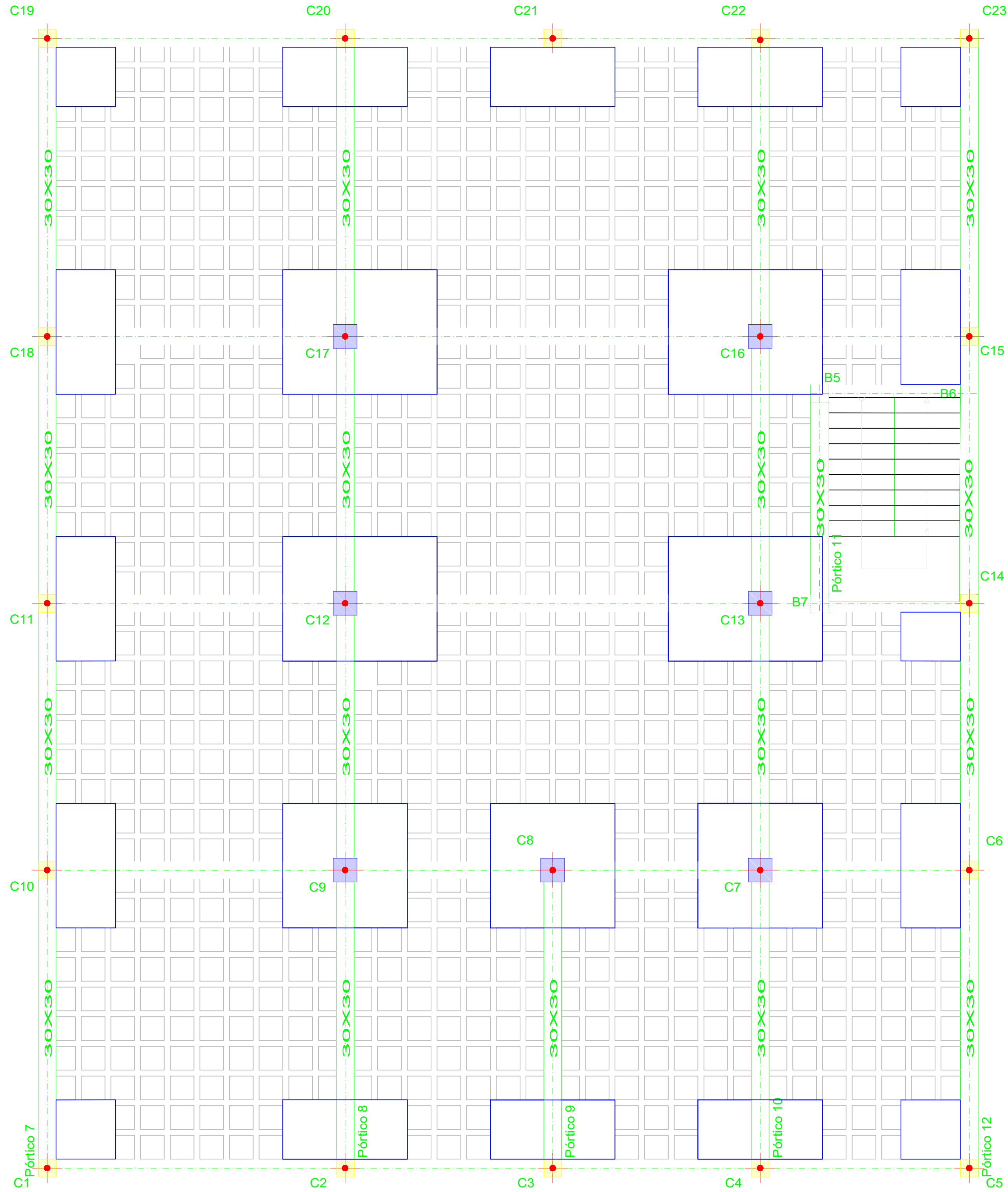
ESQUEMA ESTRUCTURAL PÓRTICOS NIVEL +3.60 m (1ra LOSA)
ESC.: 1:50



ESQUEMA ESTRUCTURAL VIGAS - NIVEL +3.60 m (1ra LOSA)
ESC.: 1:50



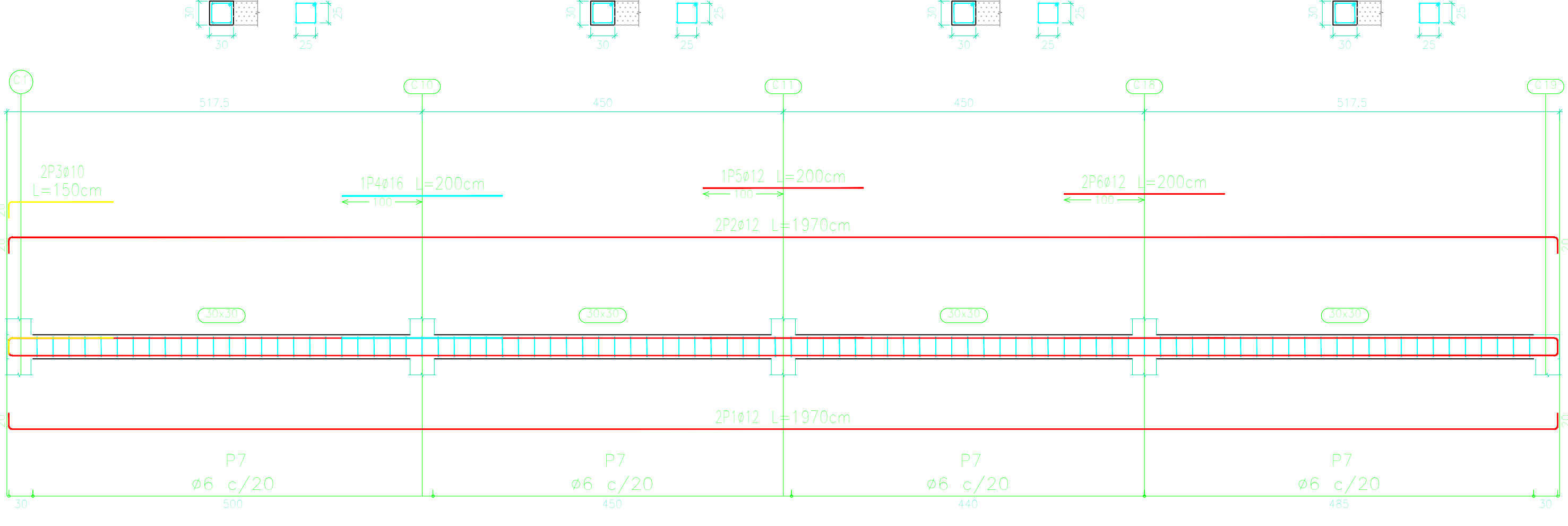
ESQUEMA ESTRUCTURAL PÓRTICOS NIVEL +3.60 m (1ra LOSA)
ESC.: 1:50



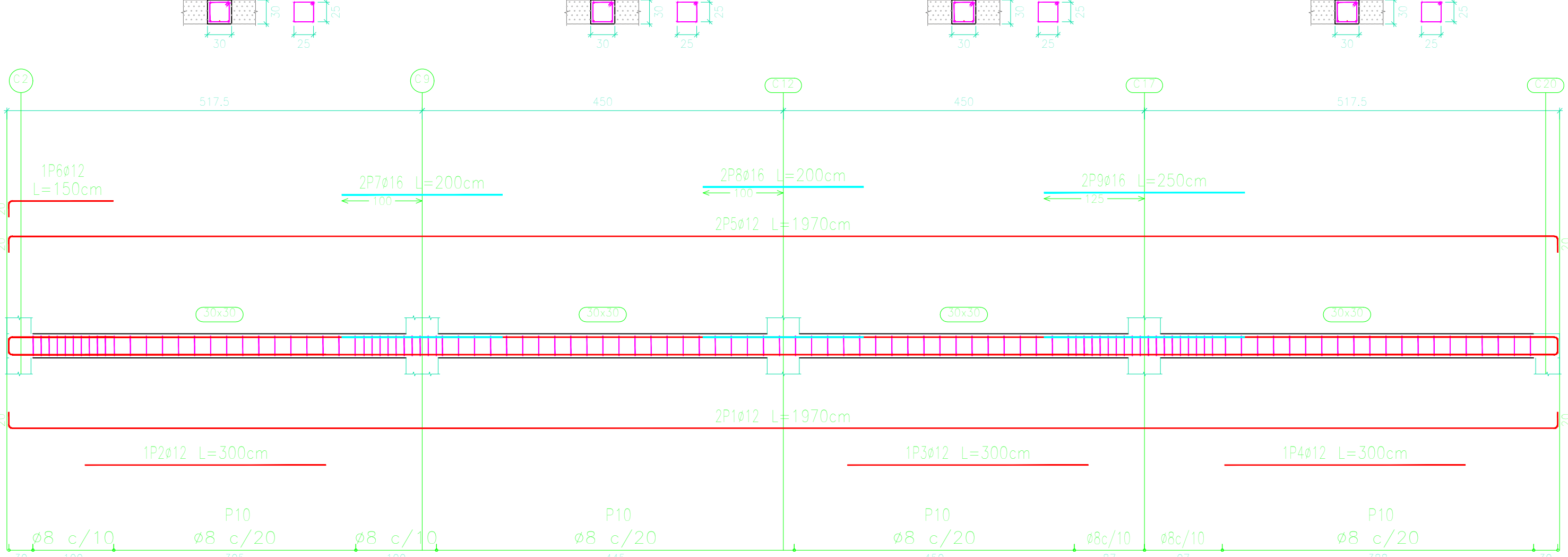
REPLANTEO Y REFUERZOS DE VIGAS

ESQUEMA ESTRUCTURAL VIGAS - NIVEL +3.60 m (1ra LOSA)
ESC.: 1:50

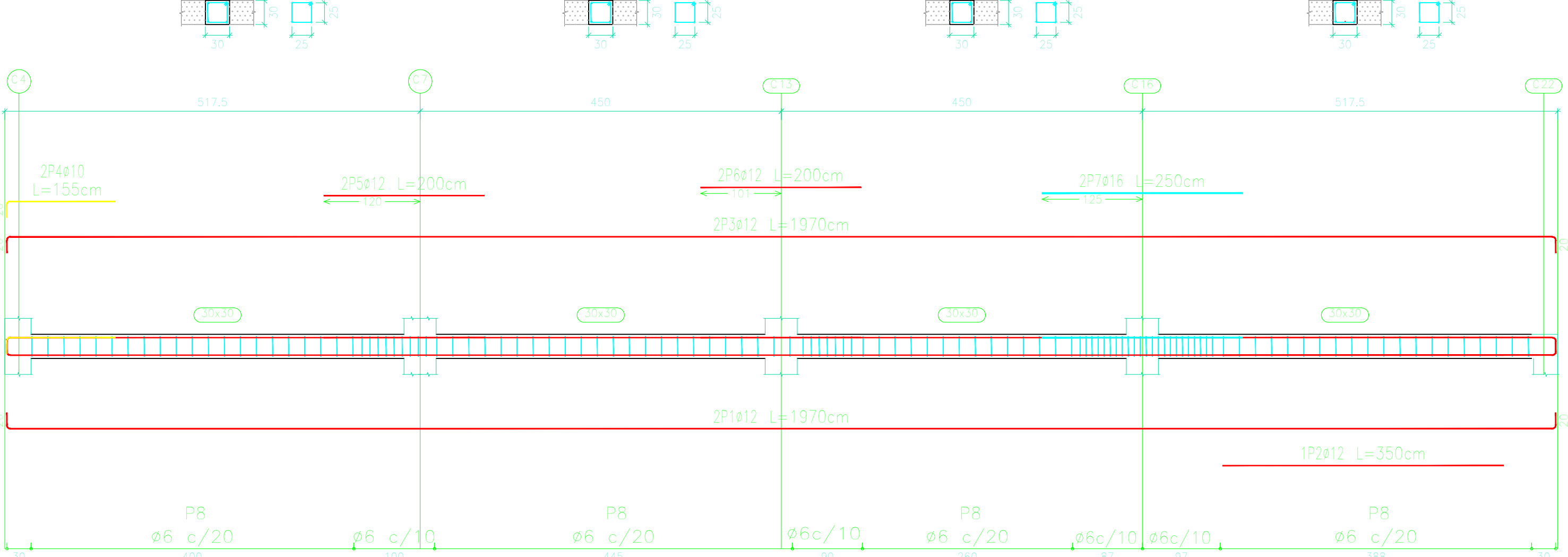
Pórtico 7
Escala 1:50



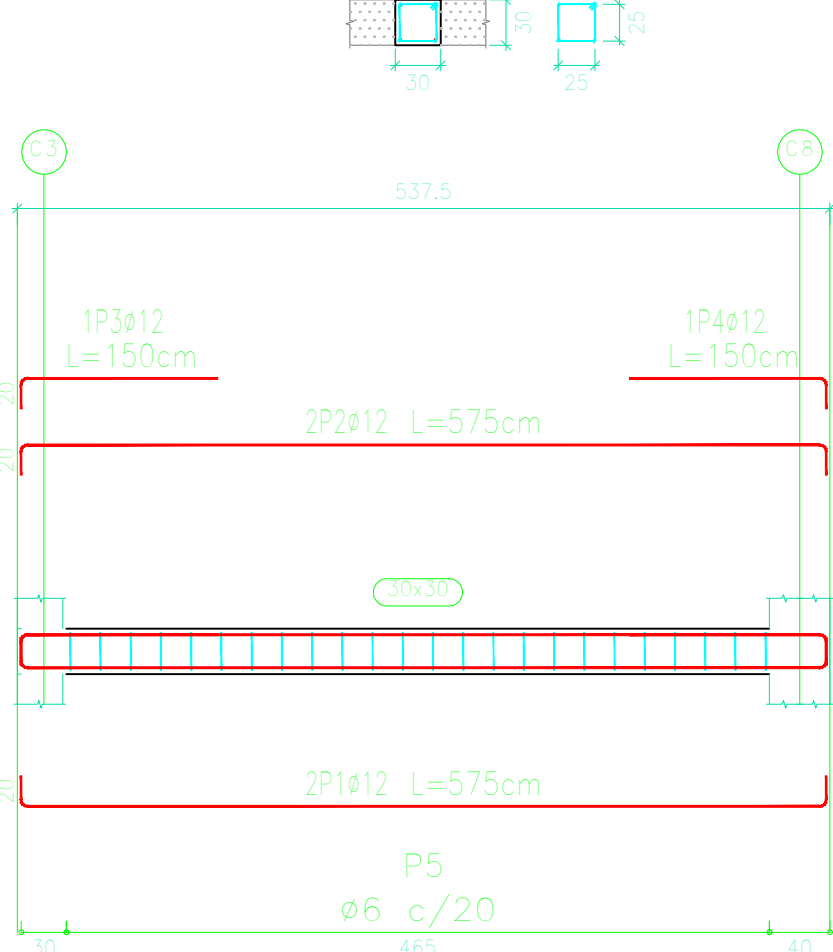
Pórtico 9
Escala 1:50



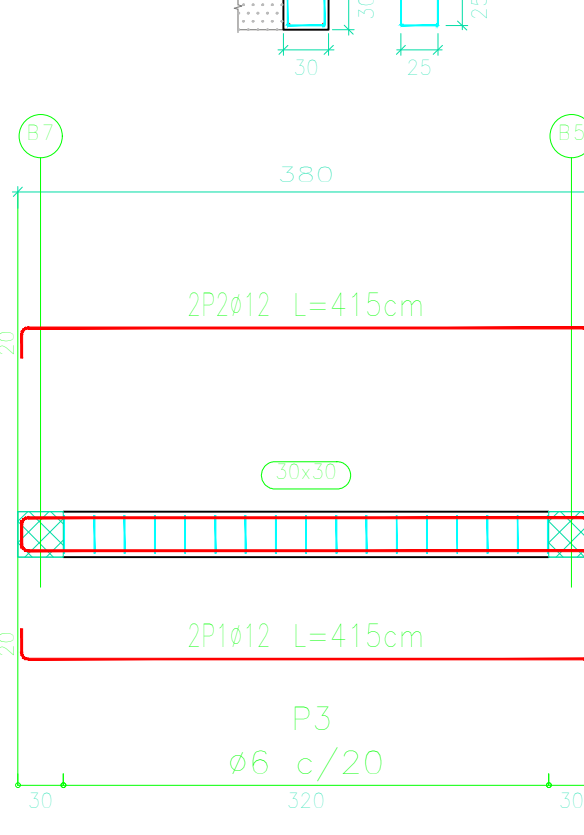
Pórtico 10
Escala 1:50



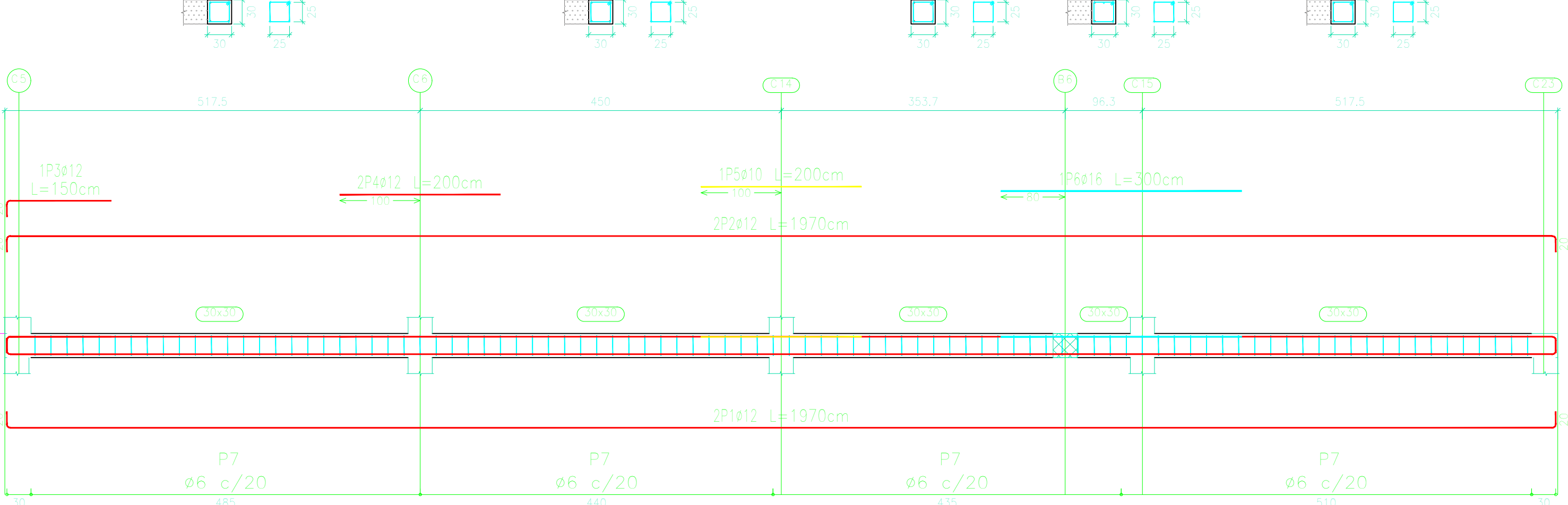
Pórtico 9
Escala 1:50



Pórtico 11
Escala 1:50

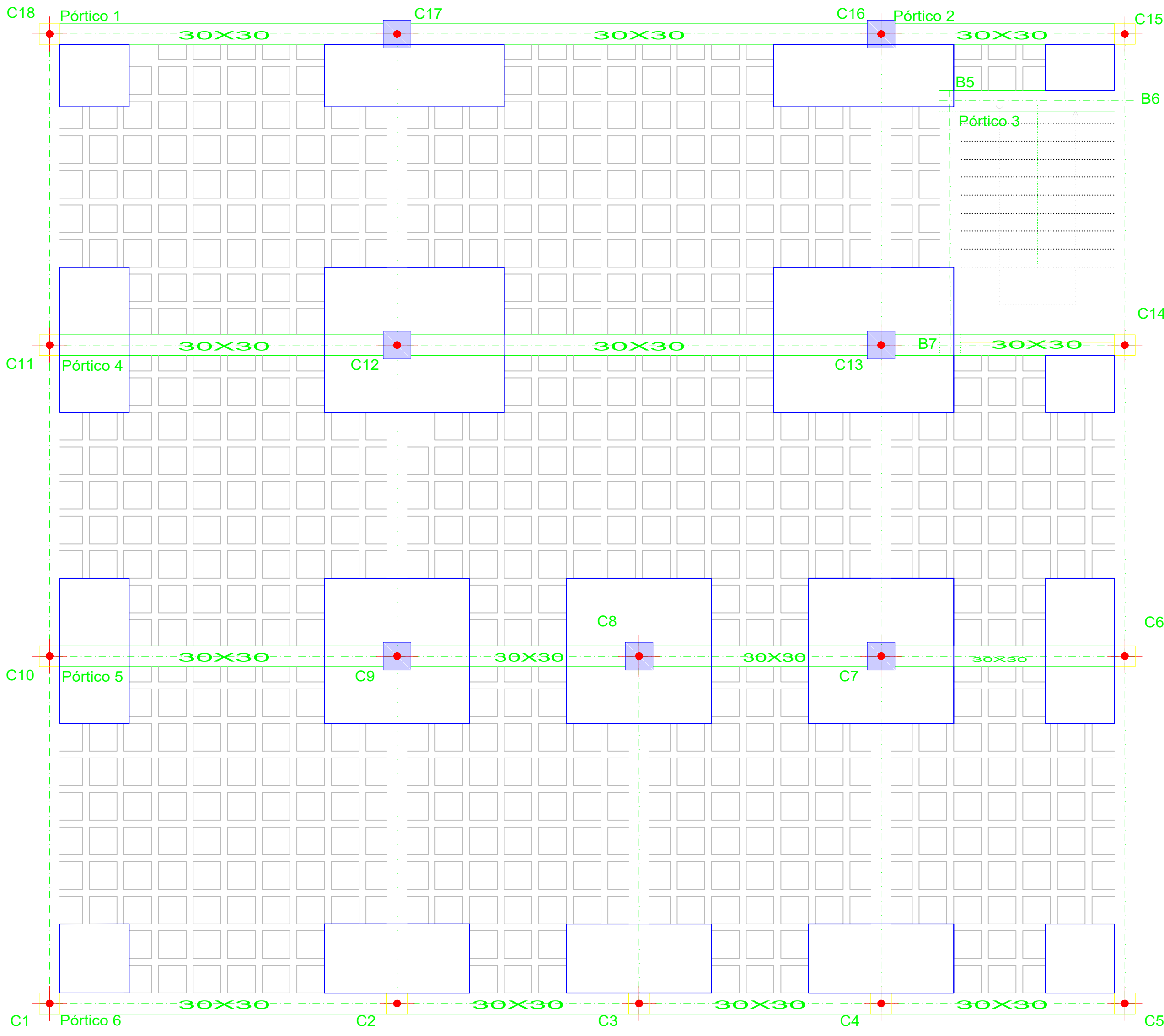


Pórtico 12
Escala 1:50

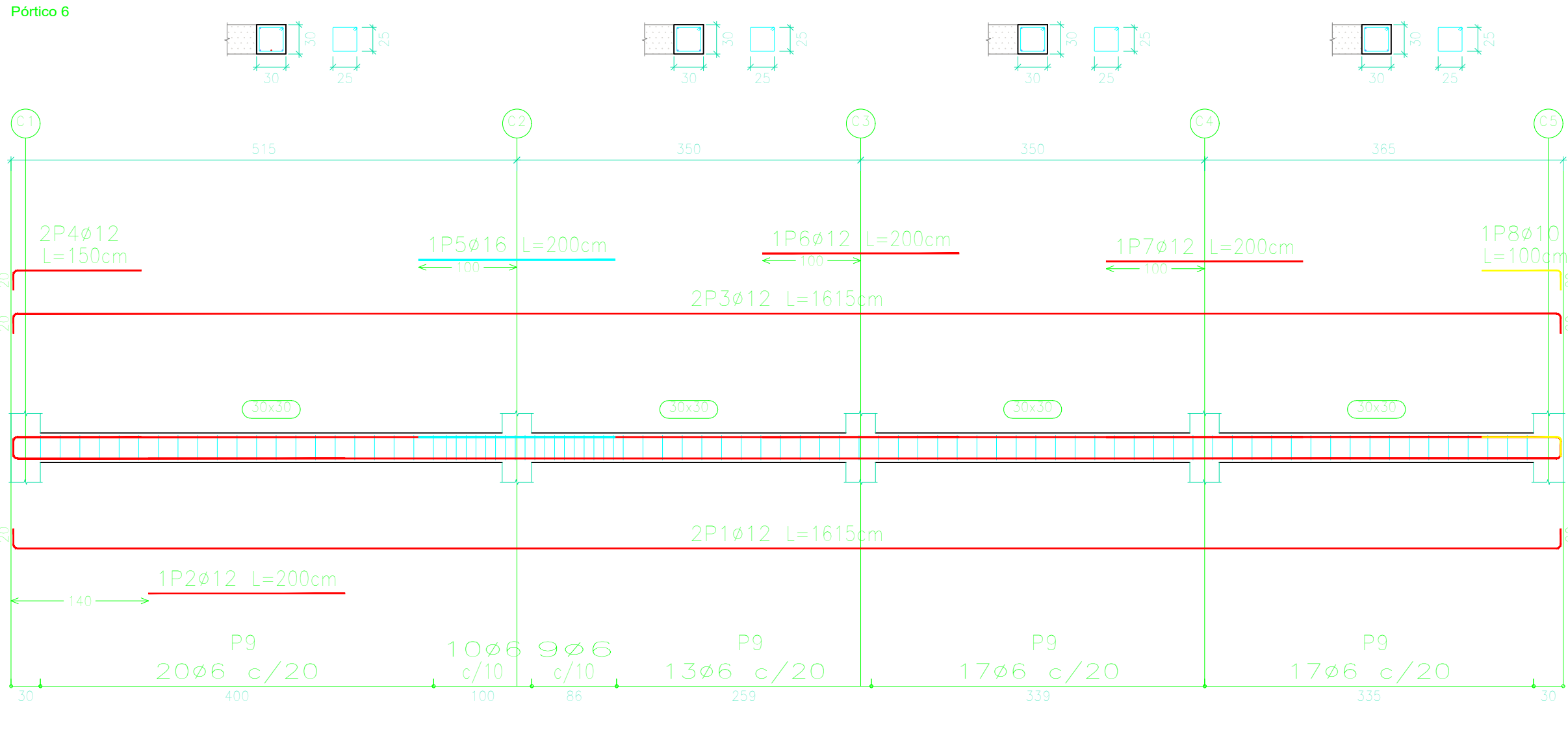
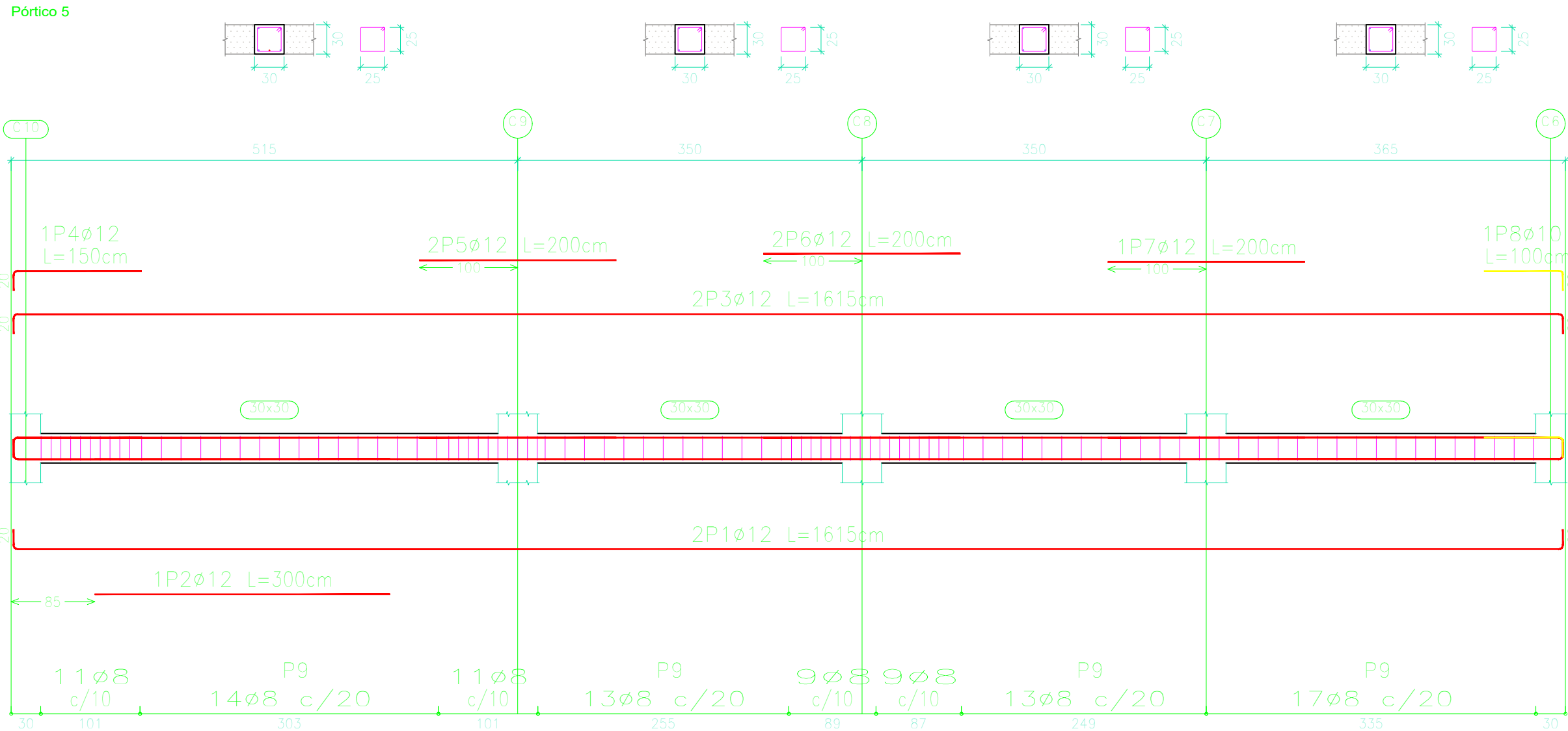
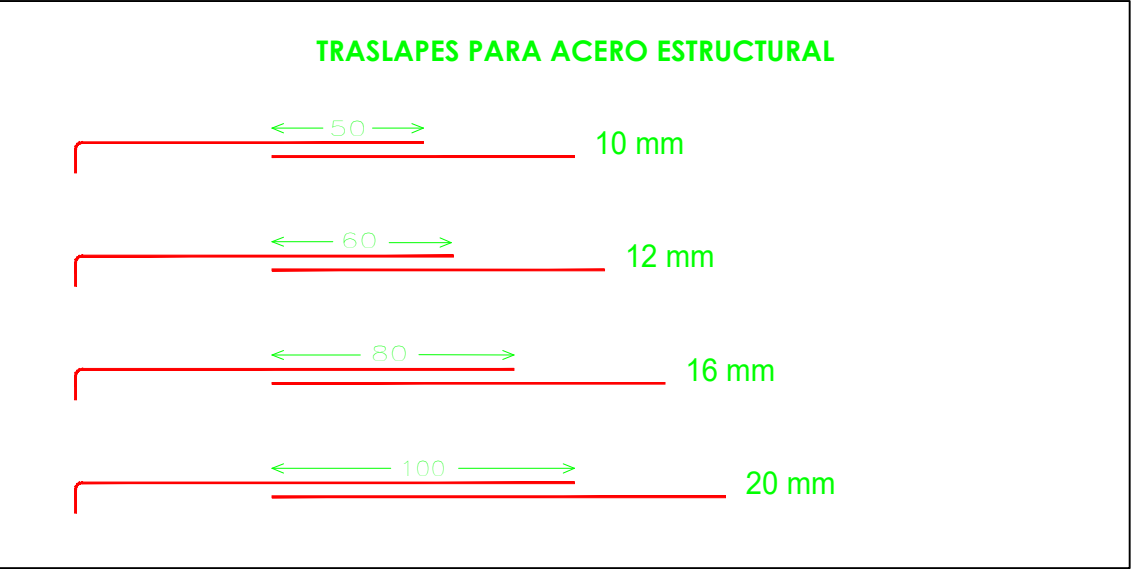
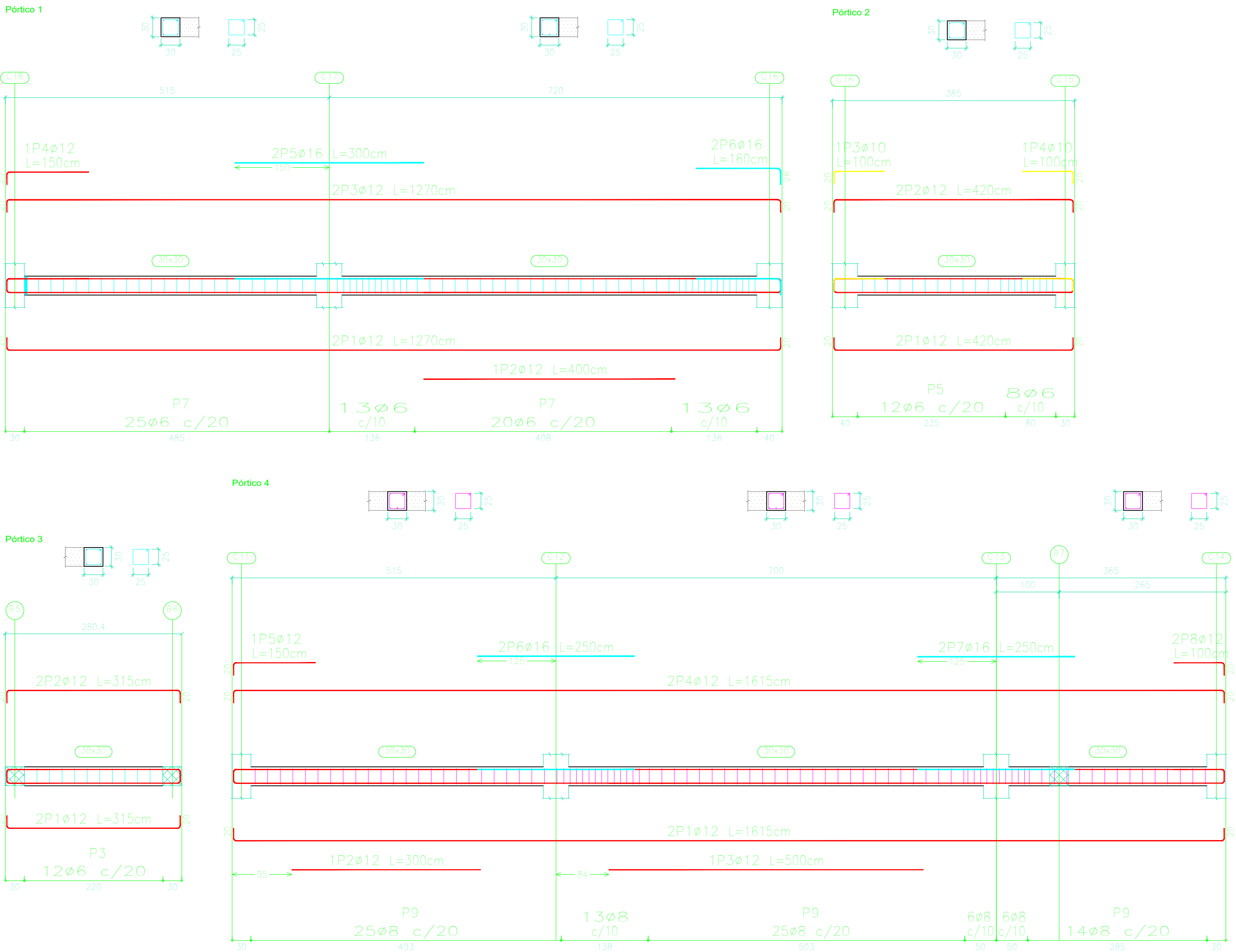


REPLANTEO Y REFUERZOS DE VIGAS

ESQUEMA ESTRUCTURAL PÓRTICOS
NIVELES +7.20 m (2da LOSA)
ESC.: 1:50

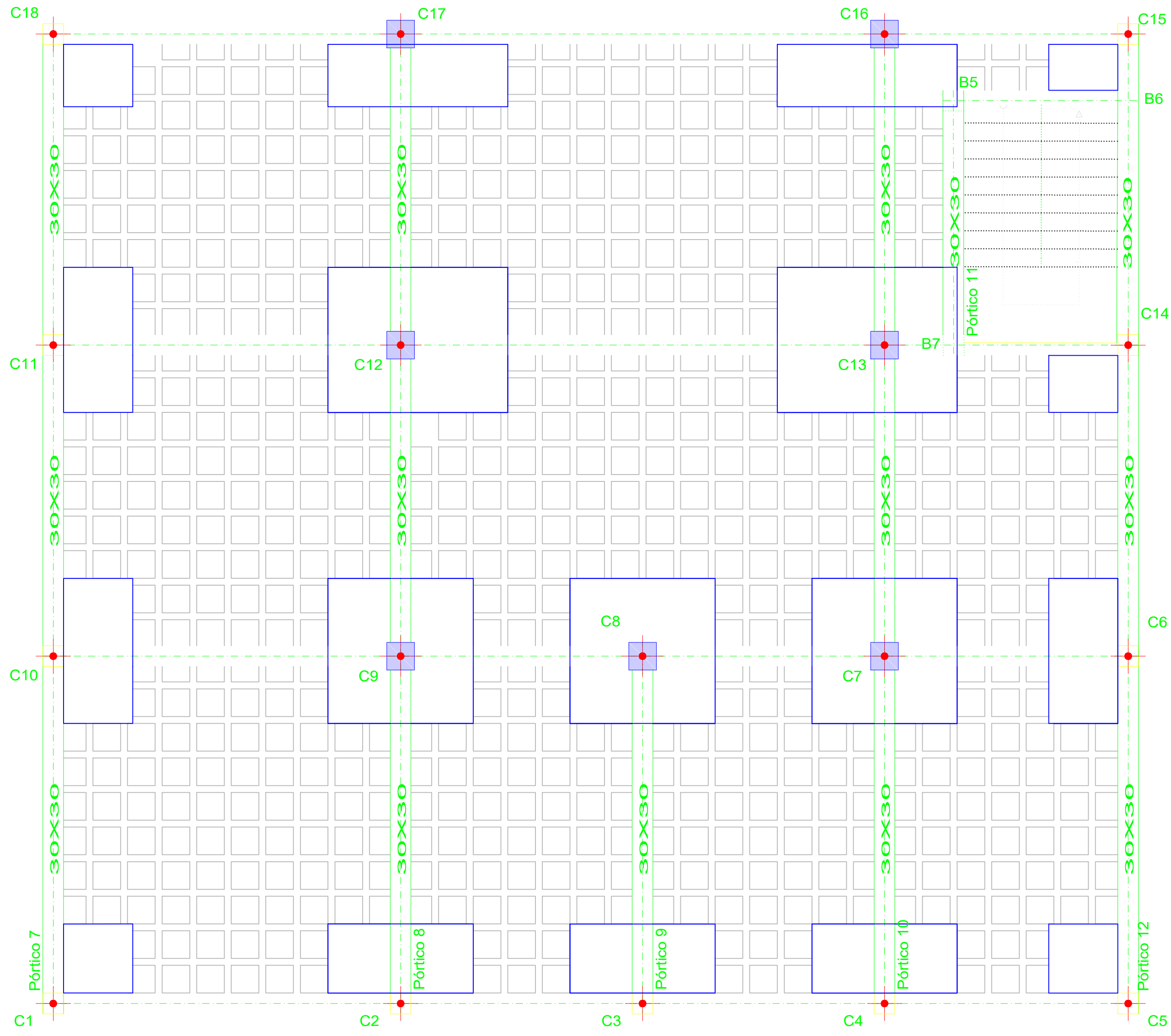


ESQUEMA ESTRUCTURAL VIGAS - NIVEL +7.20 m (2da LOSA)
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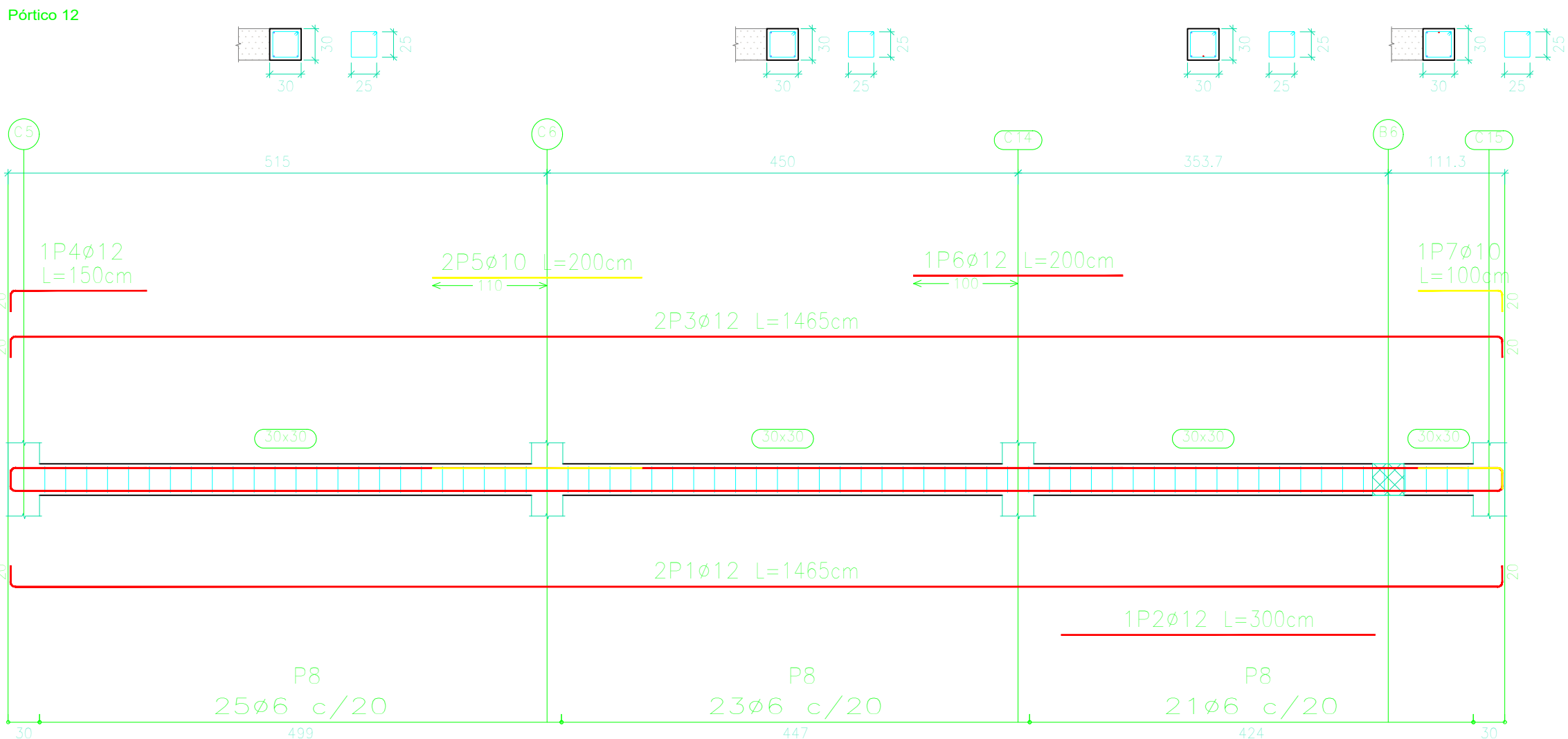
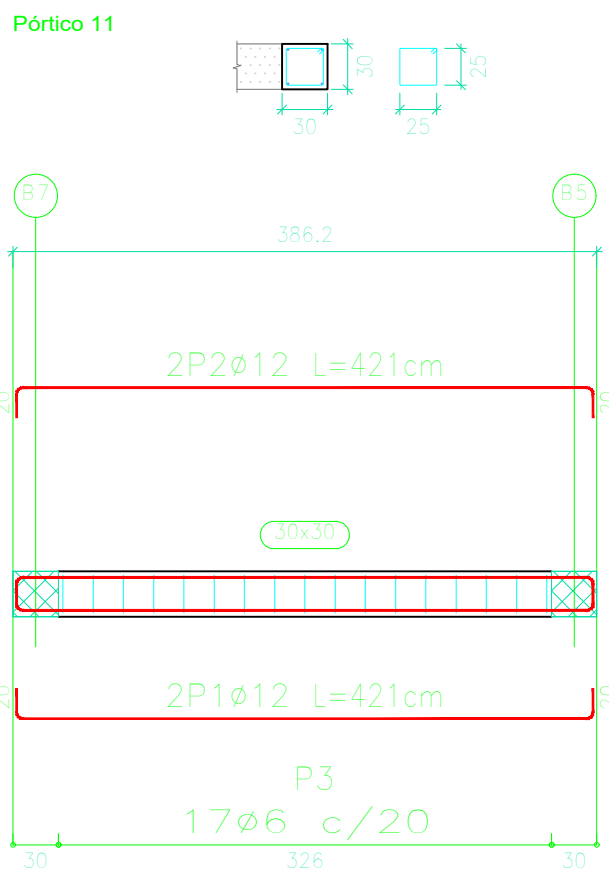
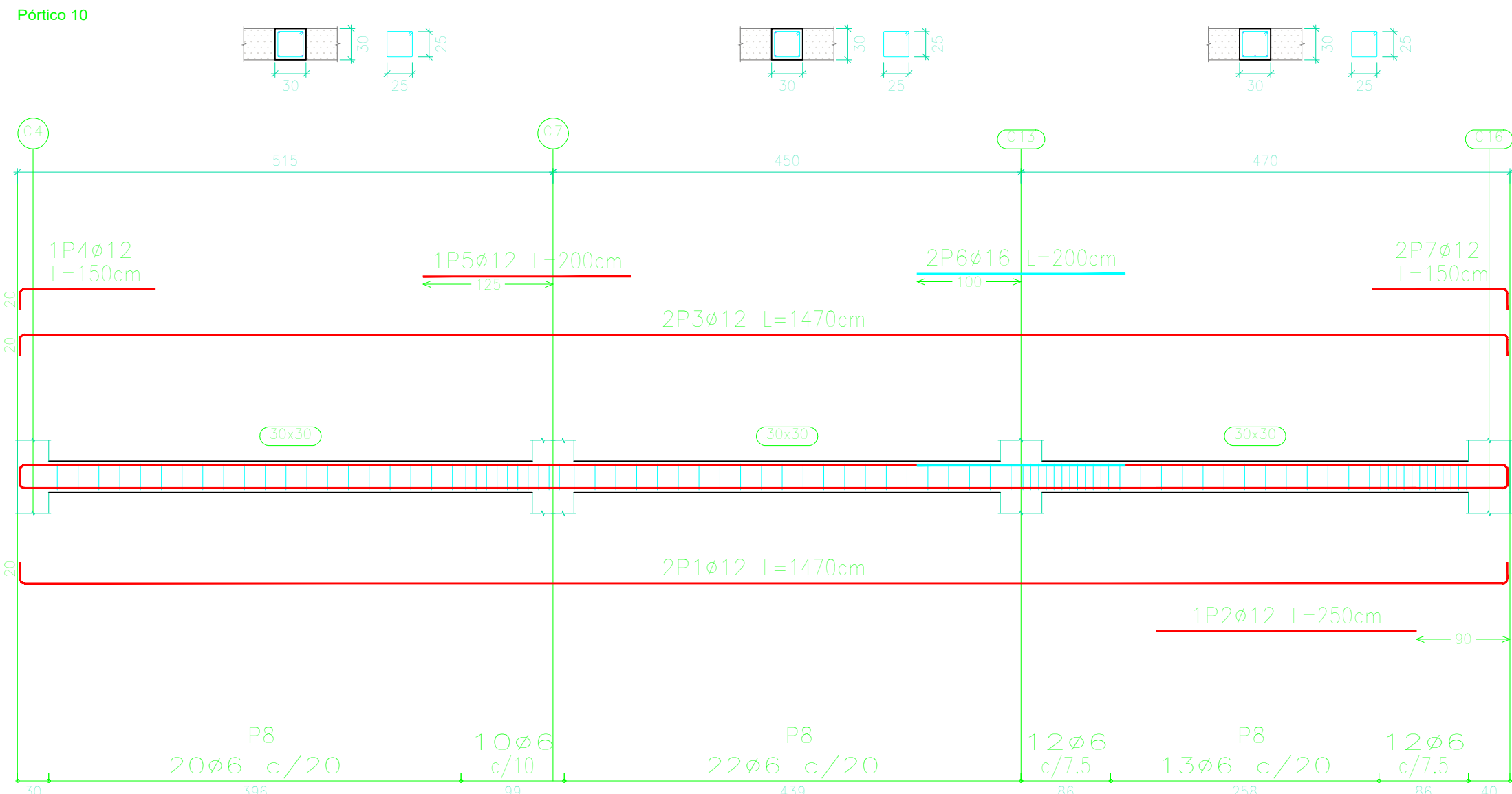
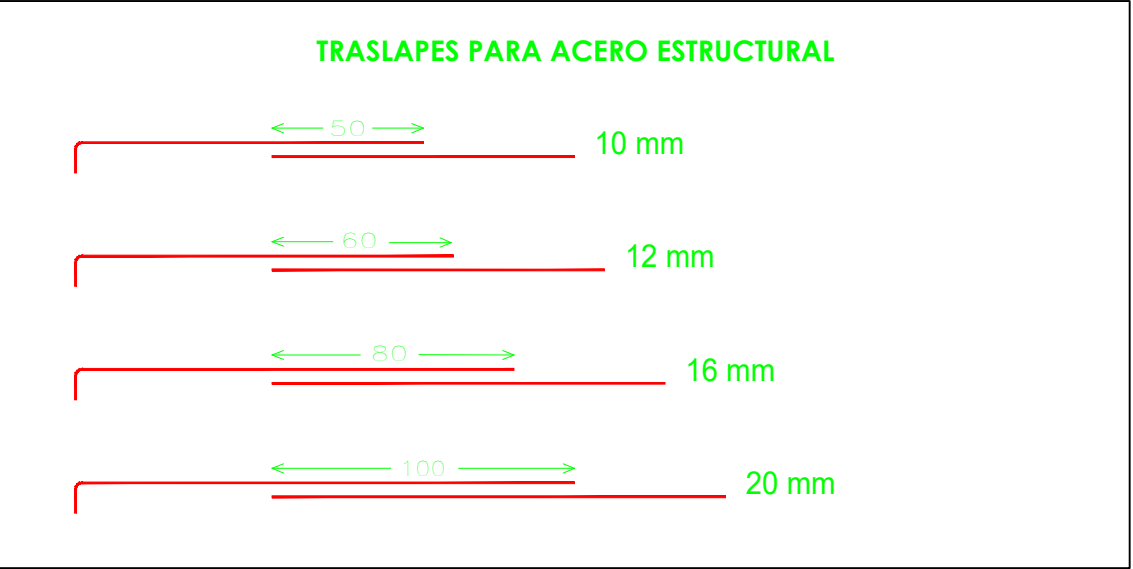
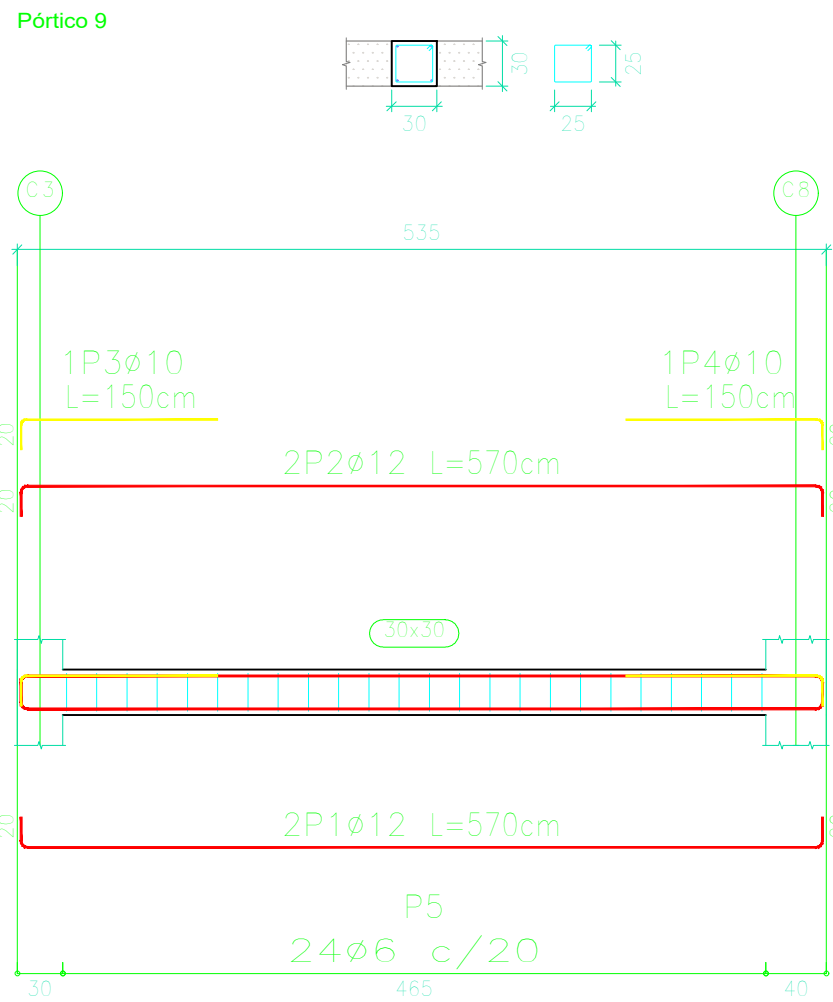
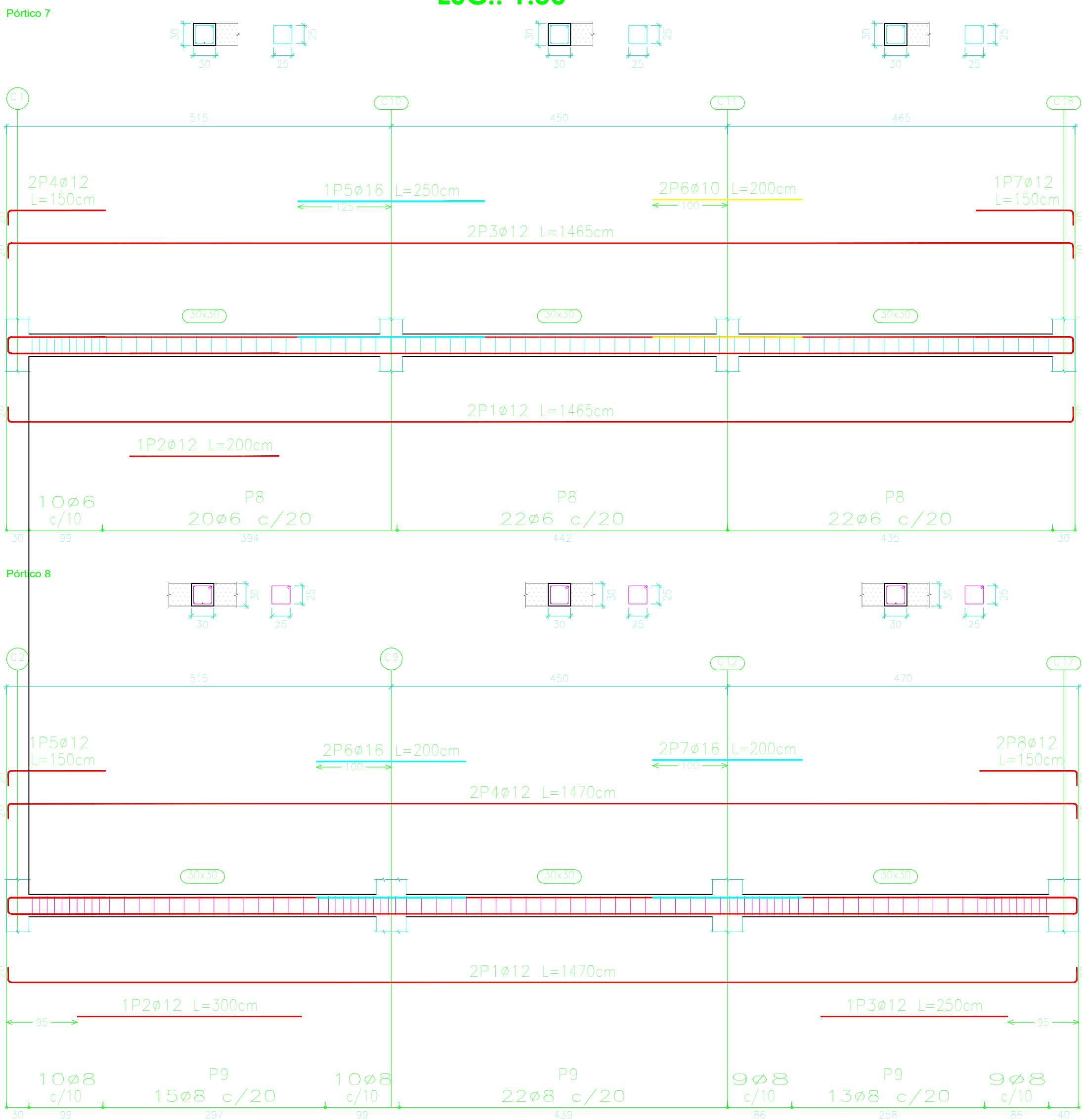


REPLANTEO Y REFUERZOS DE VIGAS

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NIVEL +7.20 m (2da LOSA)
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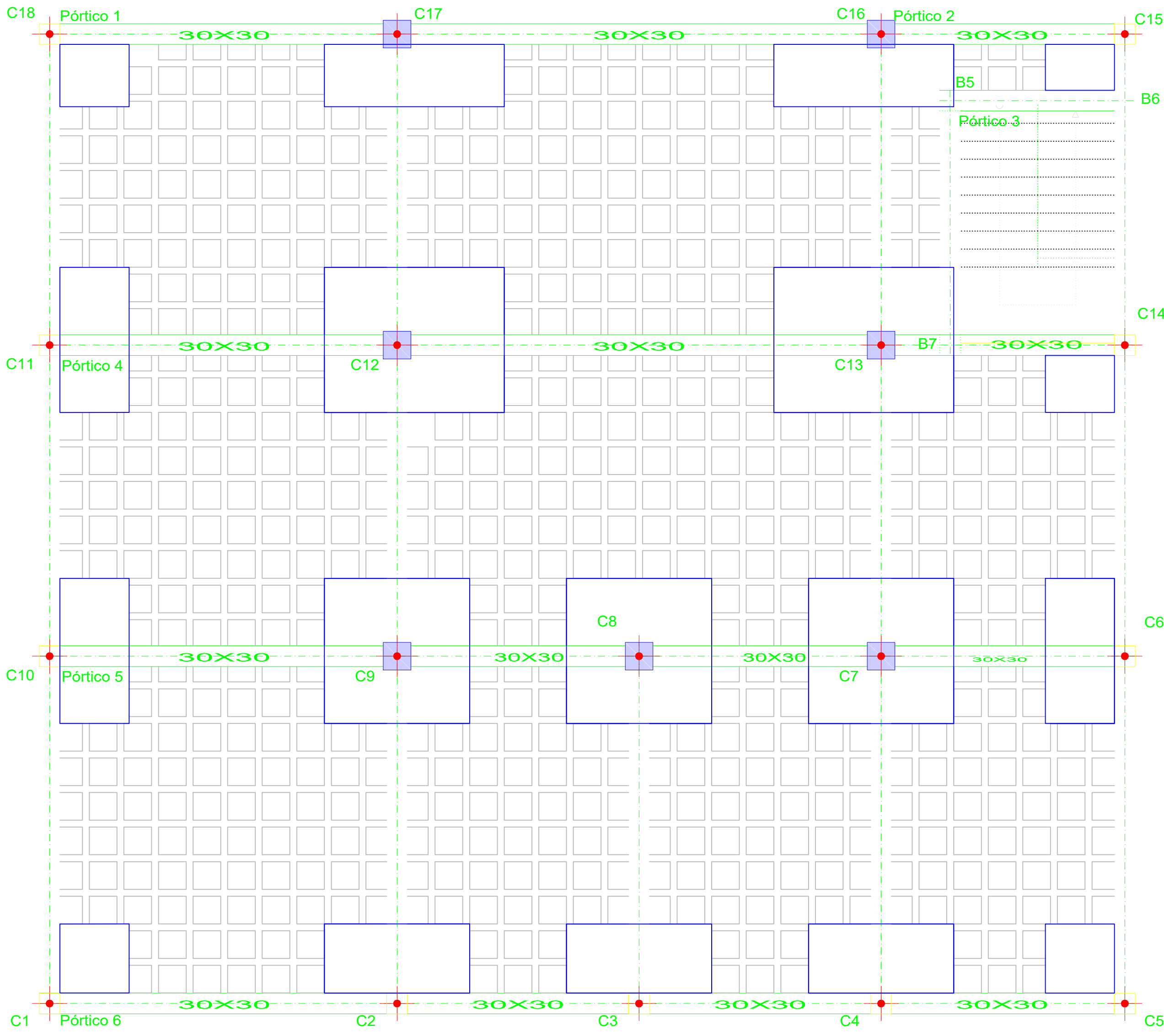


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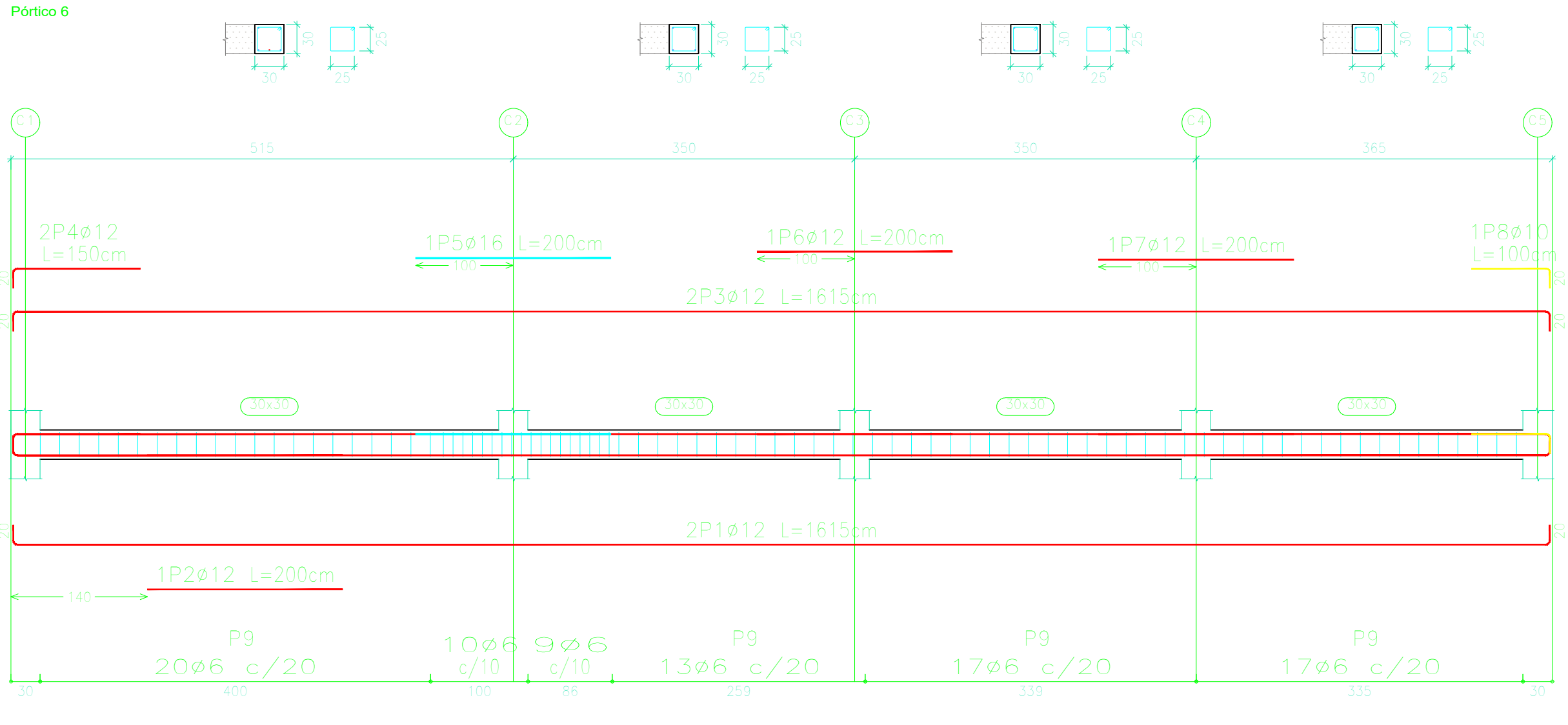
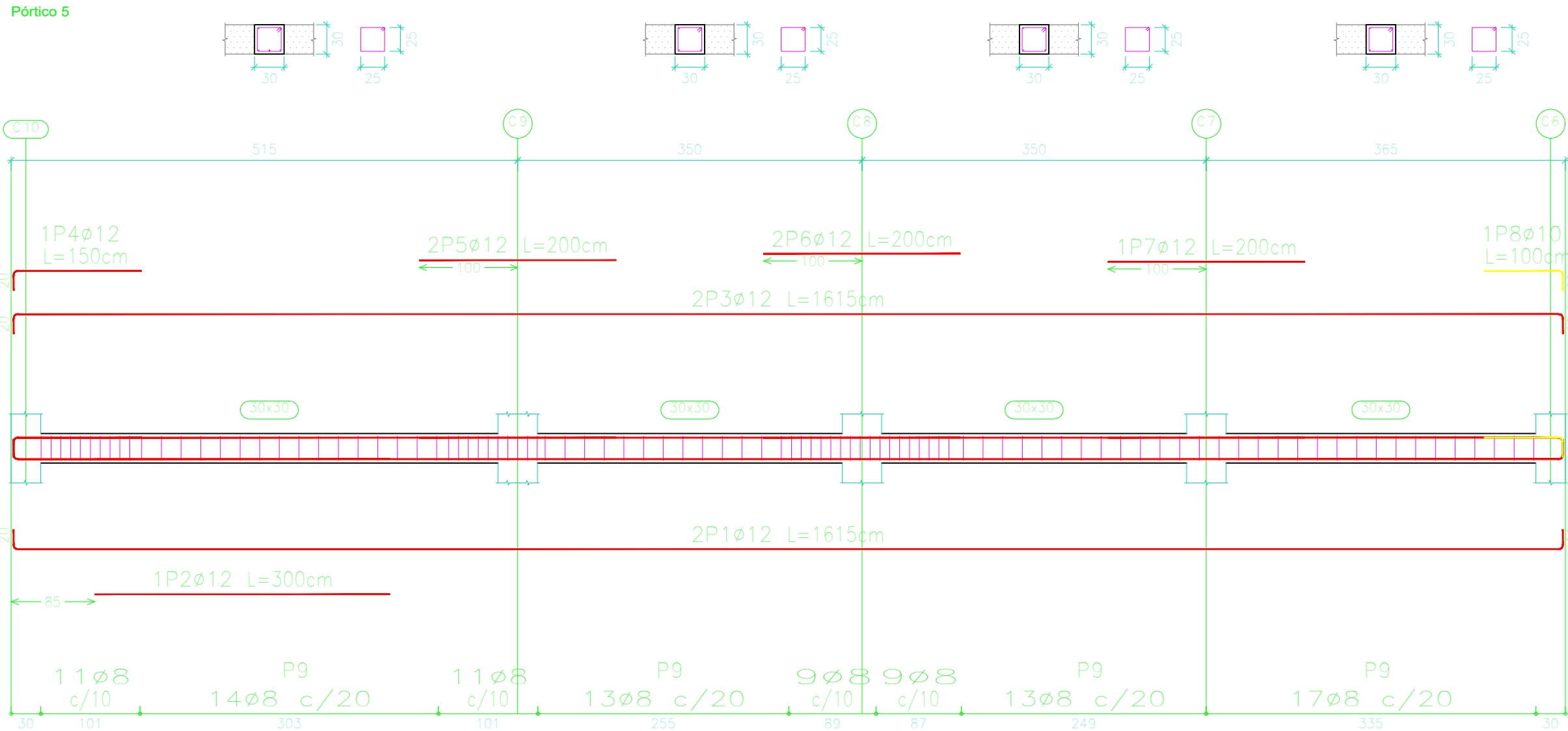
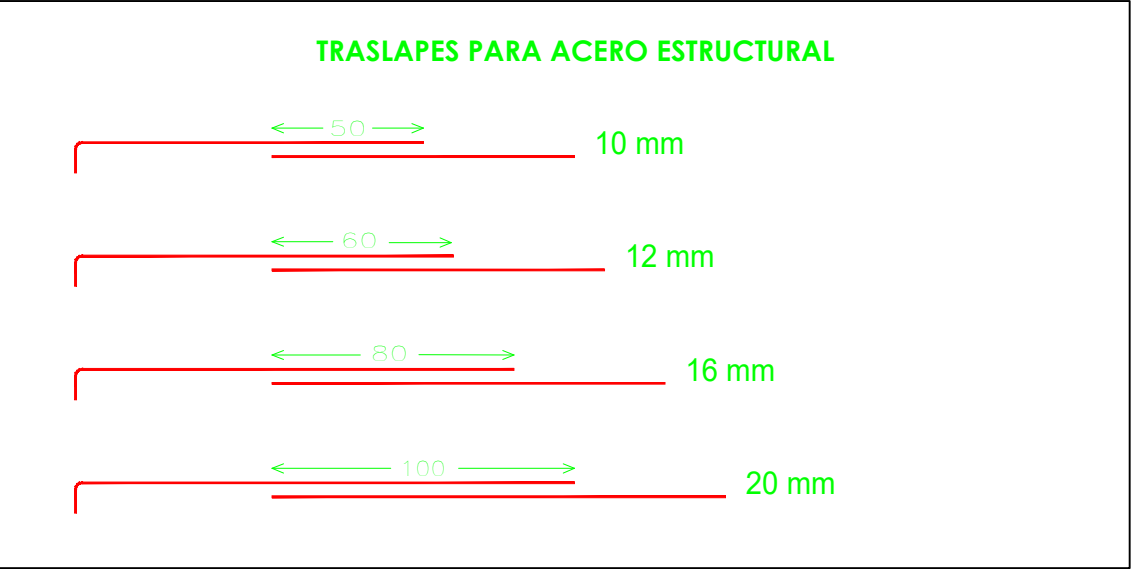
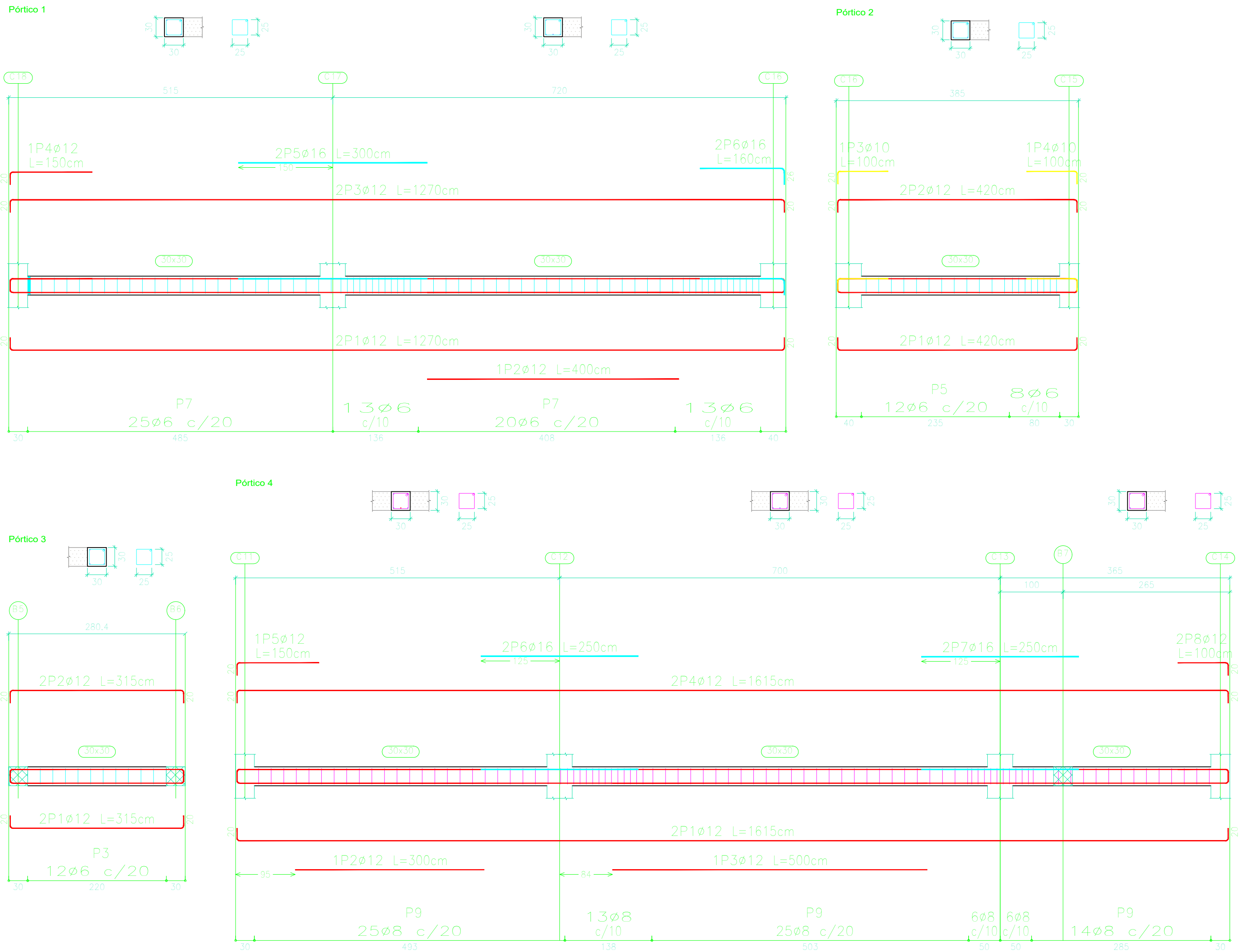


REPLANTEO Y REFUERZOS DE VIGAS

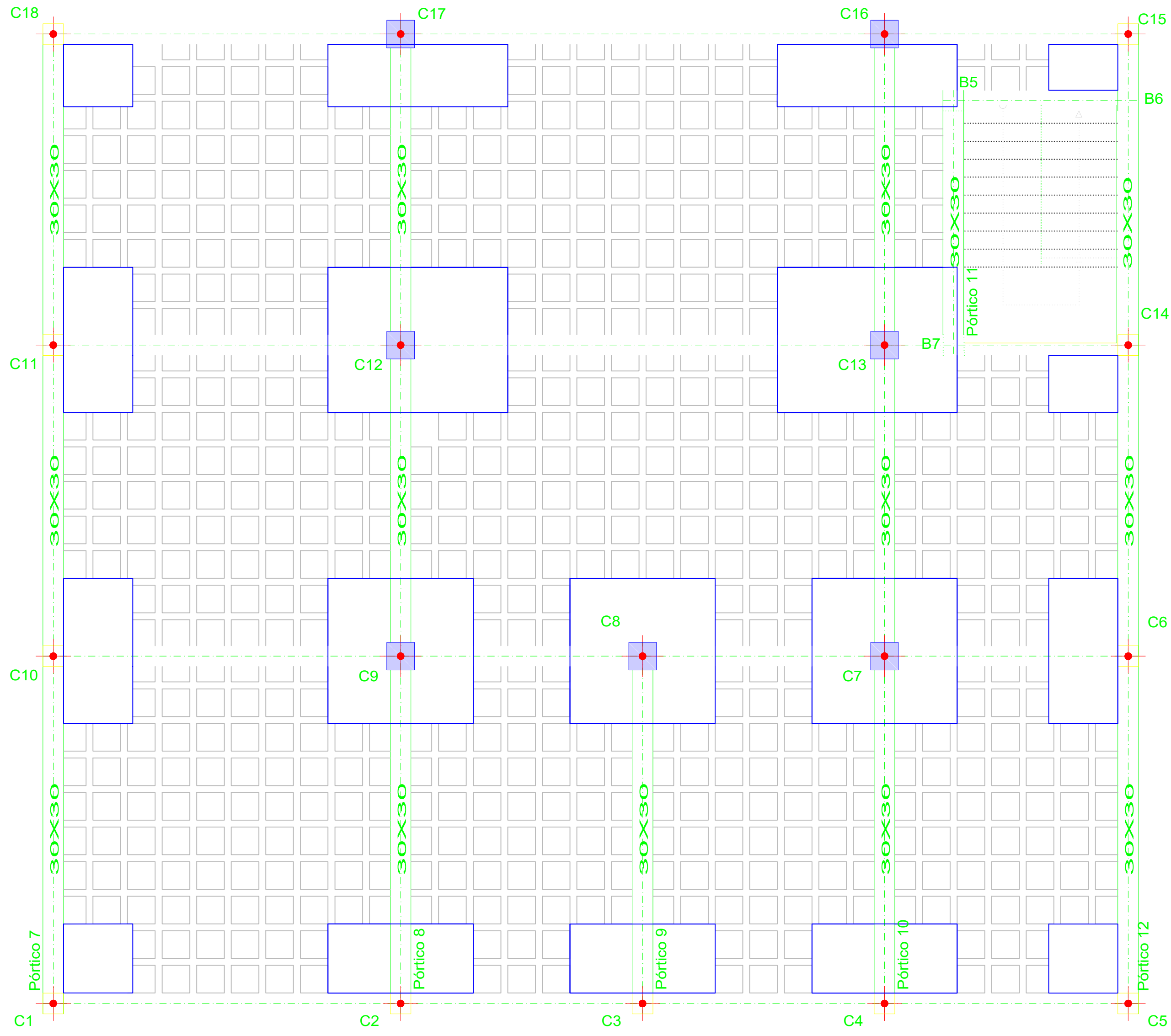
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NIVEL +10.80 m (3ra LOSA)
ESC.: 1:50



ESQUEMA ESTRUCTURAL VIGAS - NIVEL +10.80 m (3ra LOSA)
ESC.: 1:50

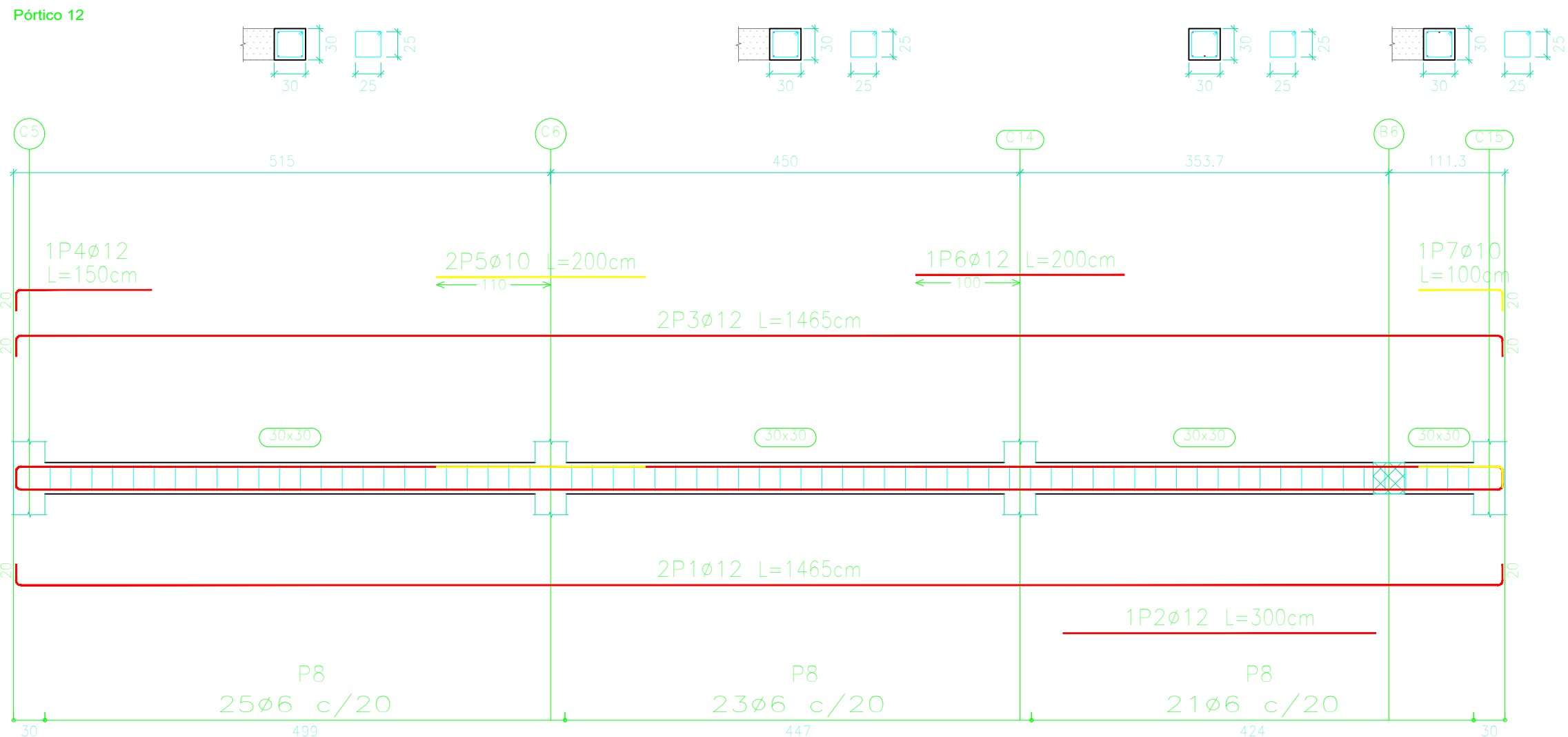
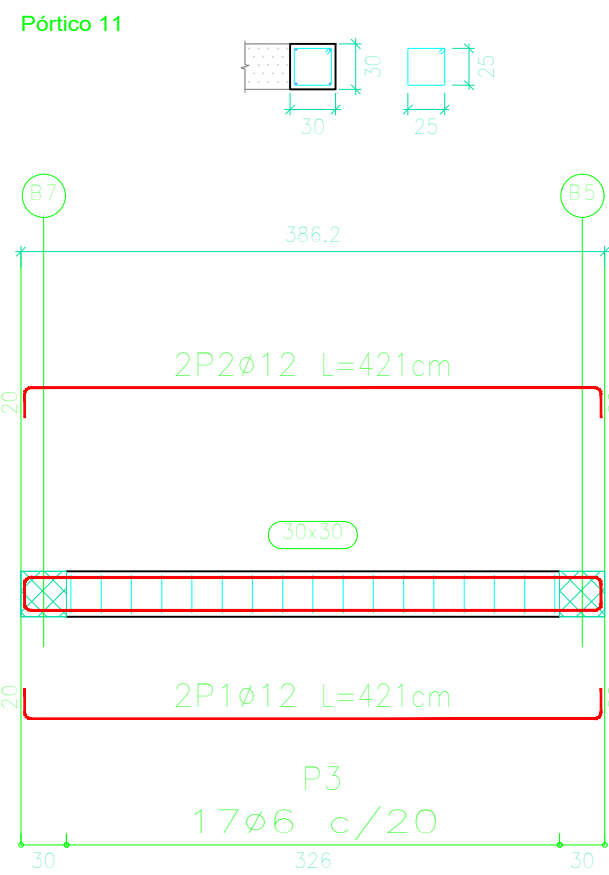
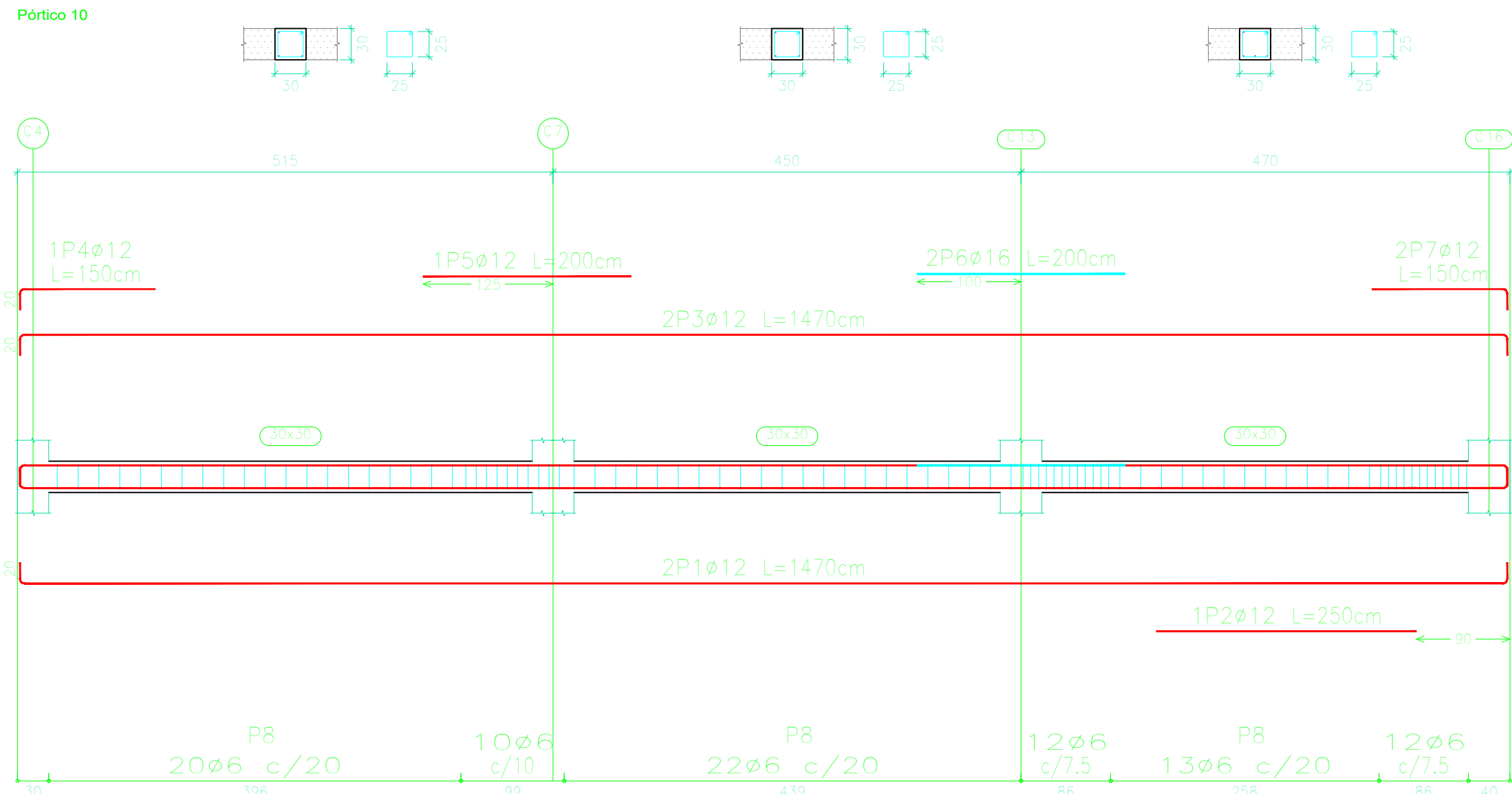
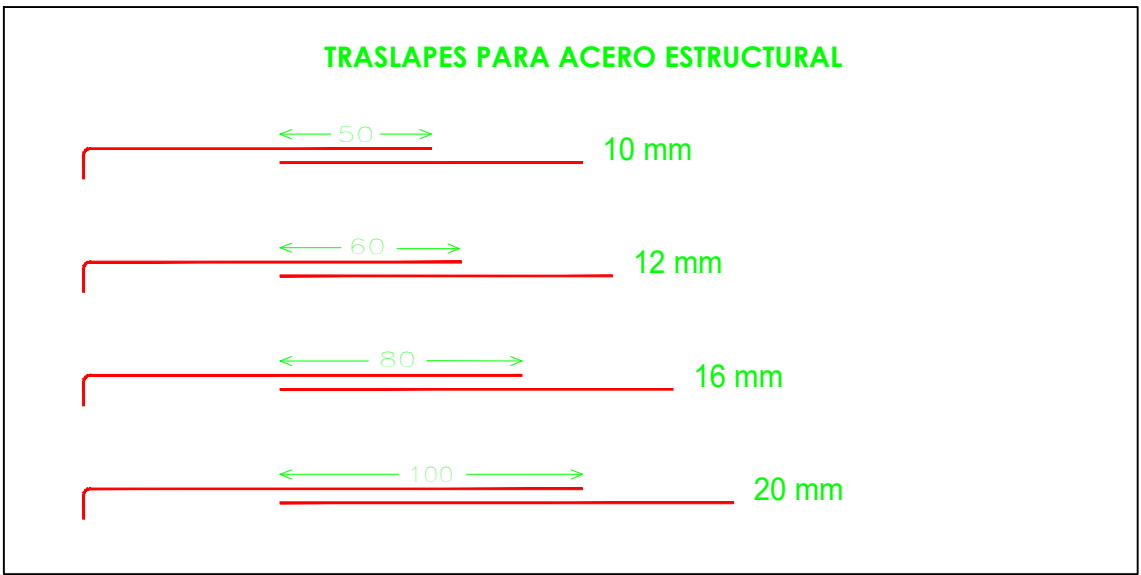
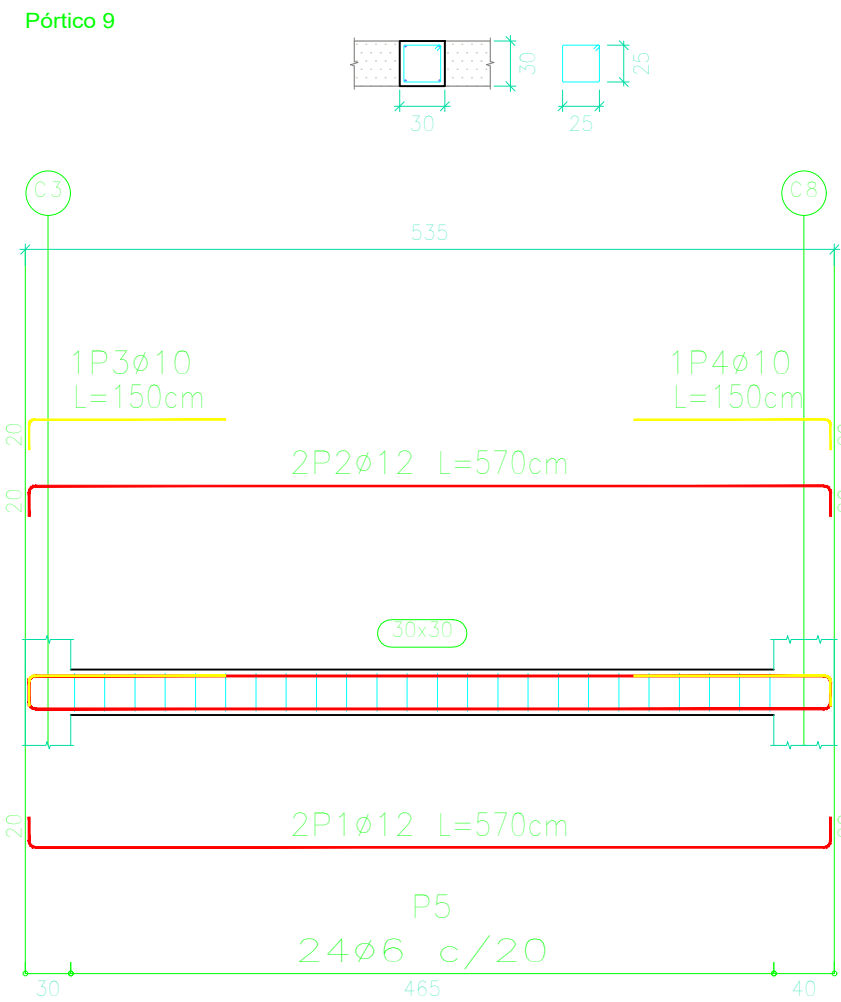
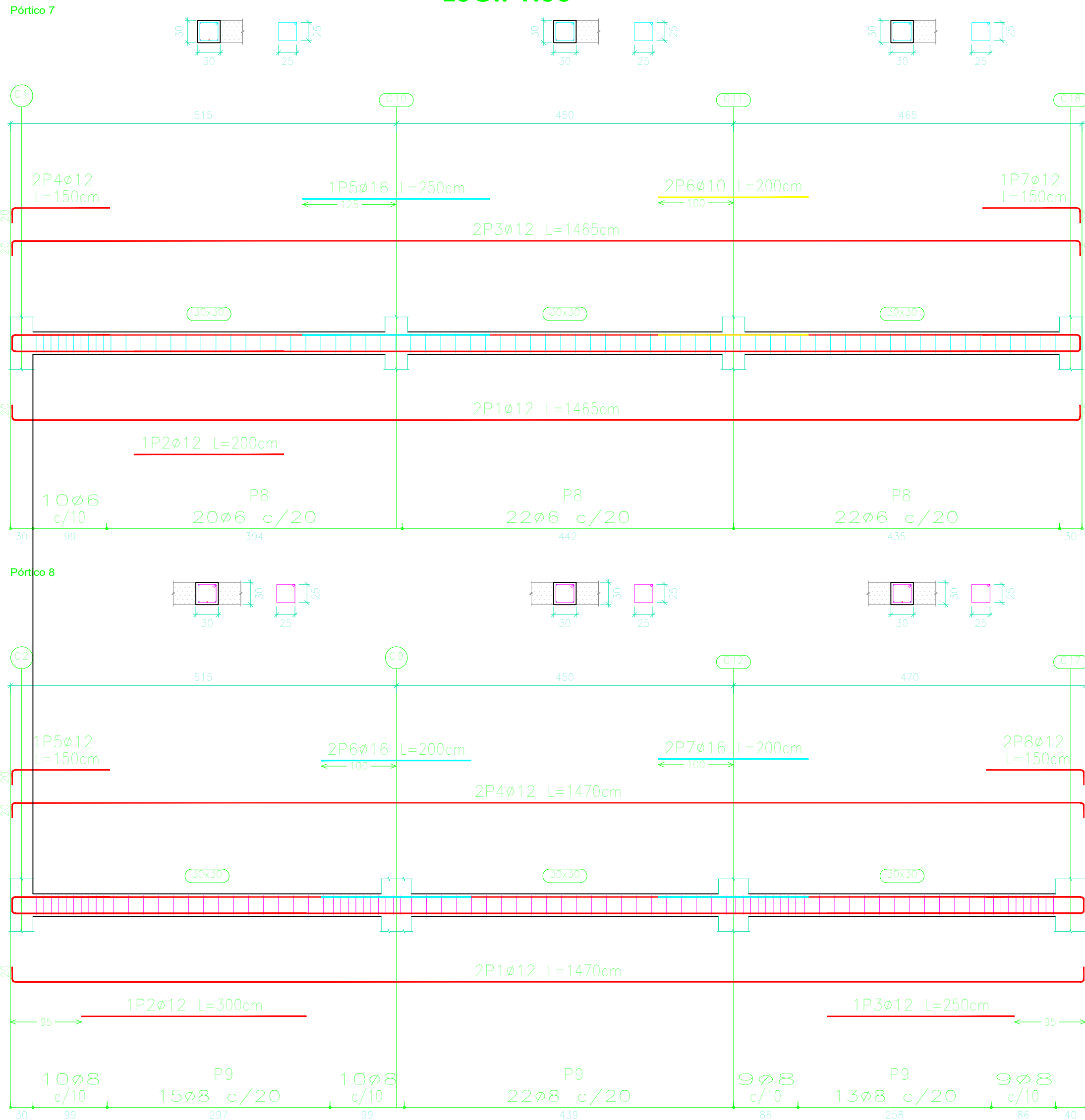


ESQUEMA ESTRUCTURAL PÓRTICOS
NIVELES +10.80 m (3ra LOSA)
ESC.: 1:50



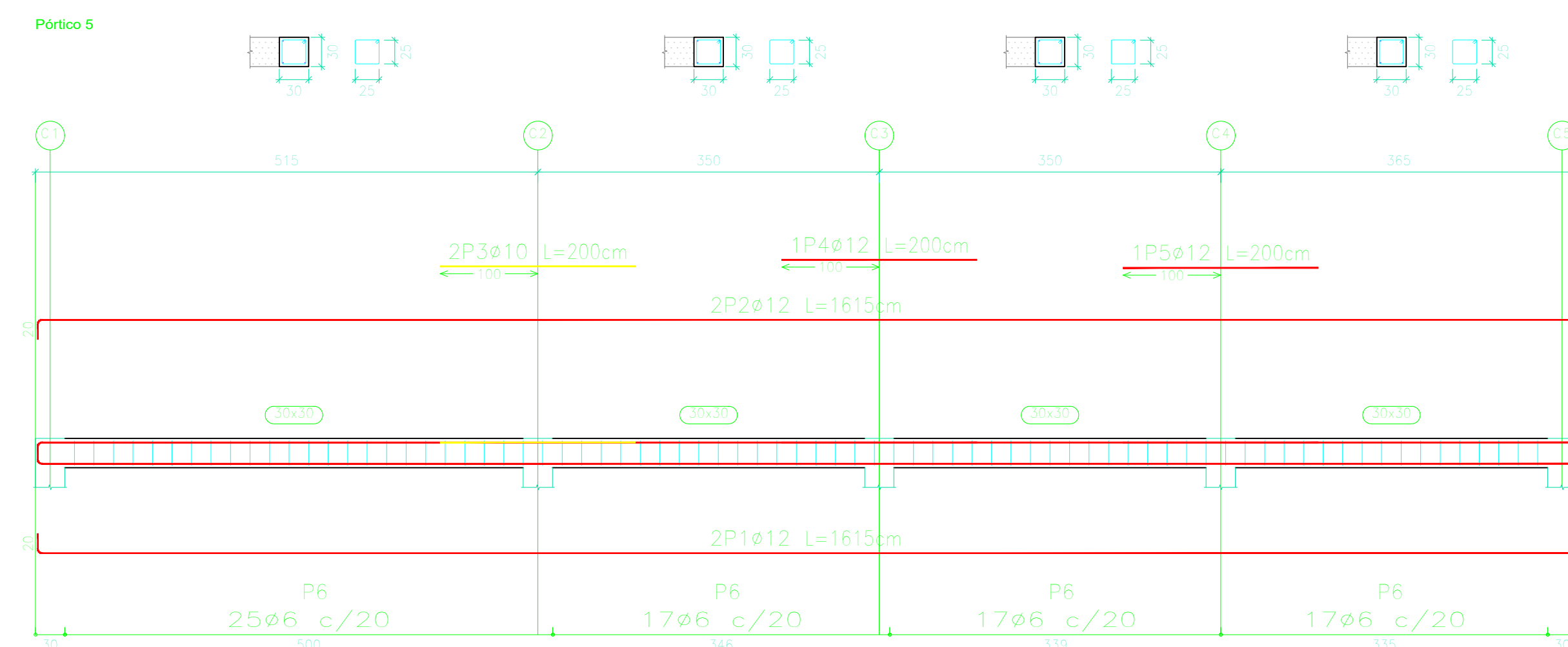
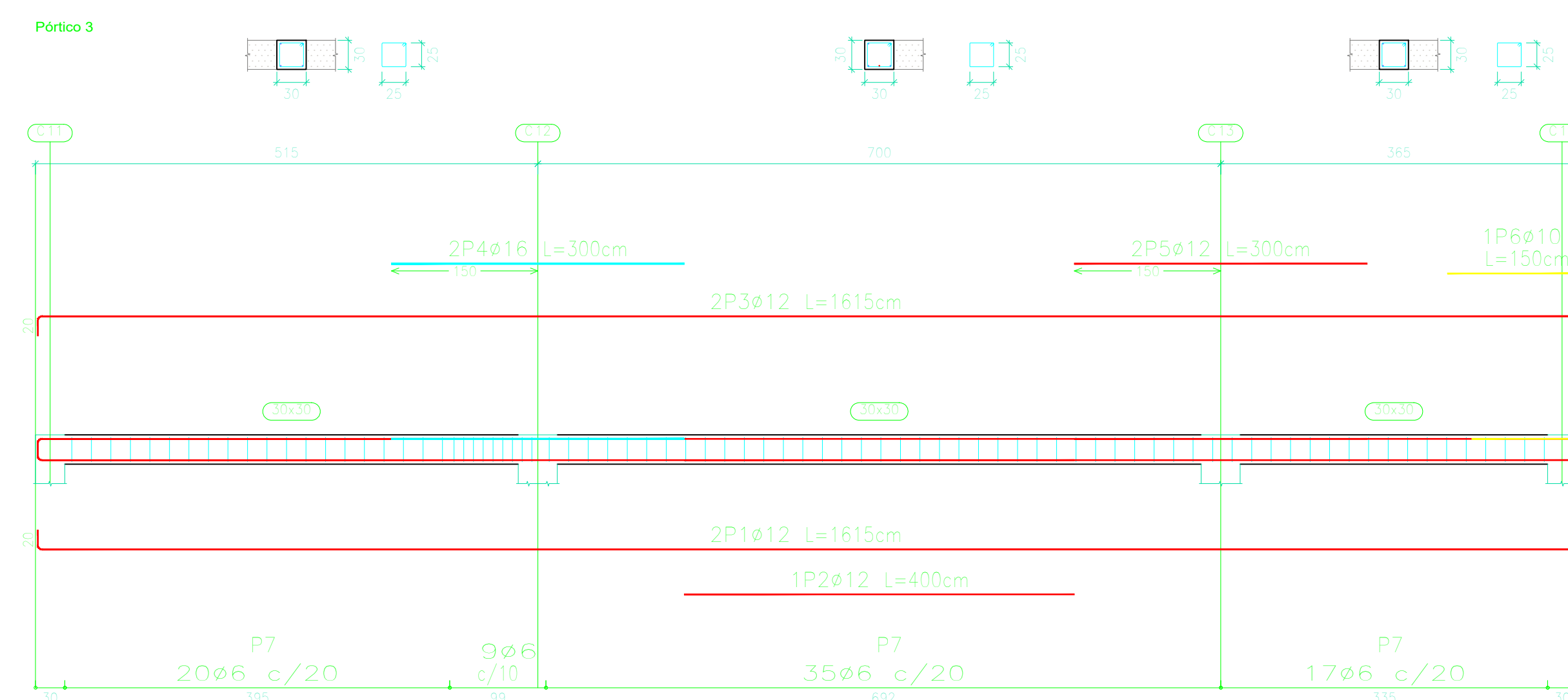
REPLANTEO Y REFUERZOS DE VIGAS

ESQUEMA ESTRUCTURAL VIGAS - NIVEL +10.80 m (3ra LOSA)
ESC.: 1:50



ESQUEMA ESTRUCTURAL VIGAS - NIVEL +14.40 m (4ta LOSA)
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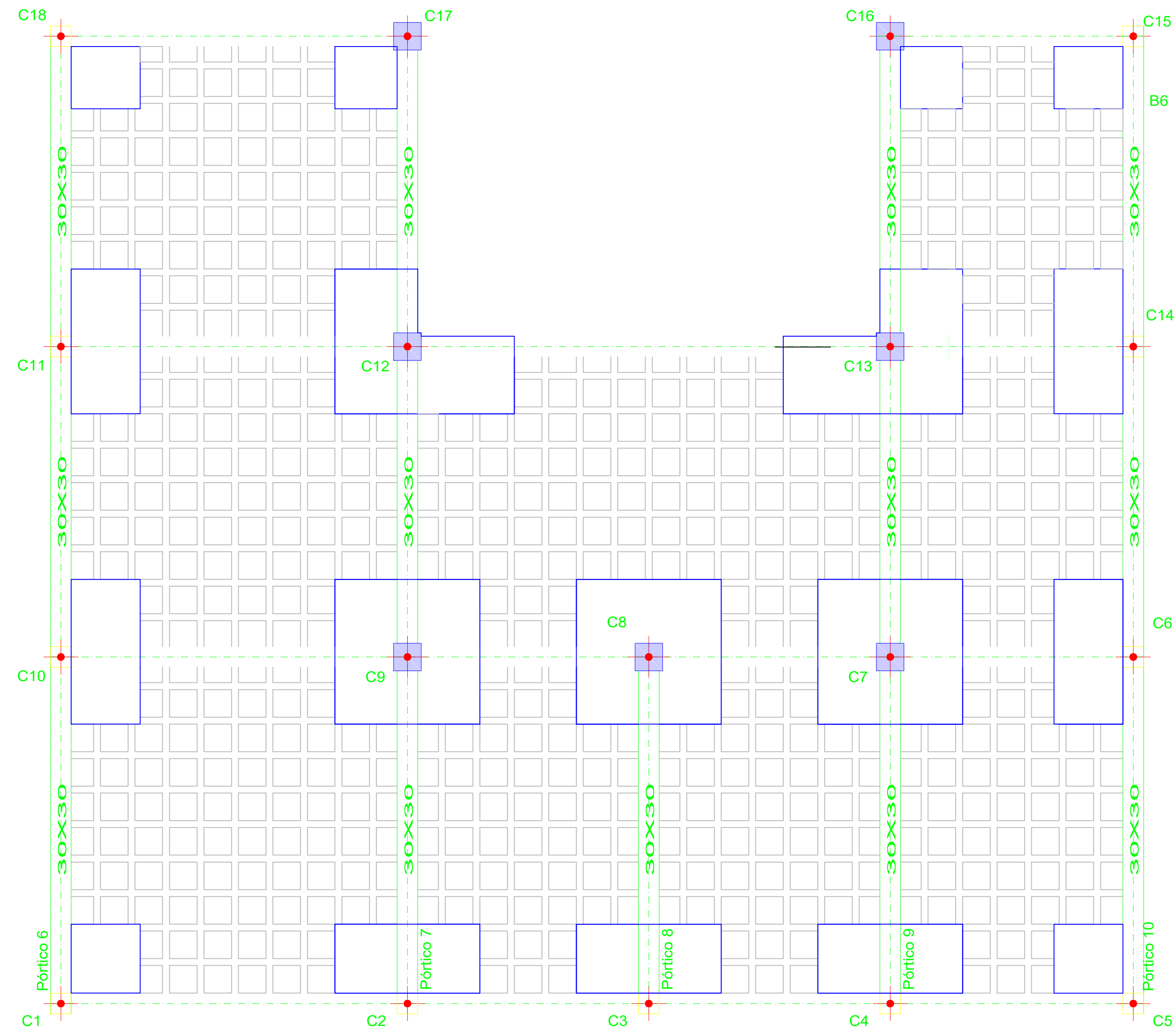
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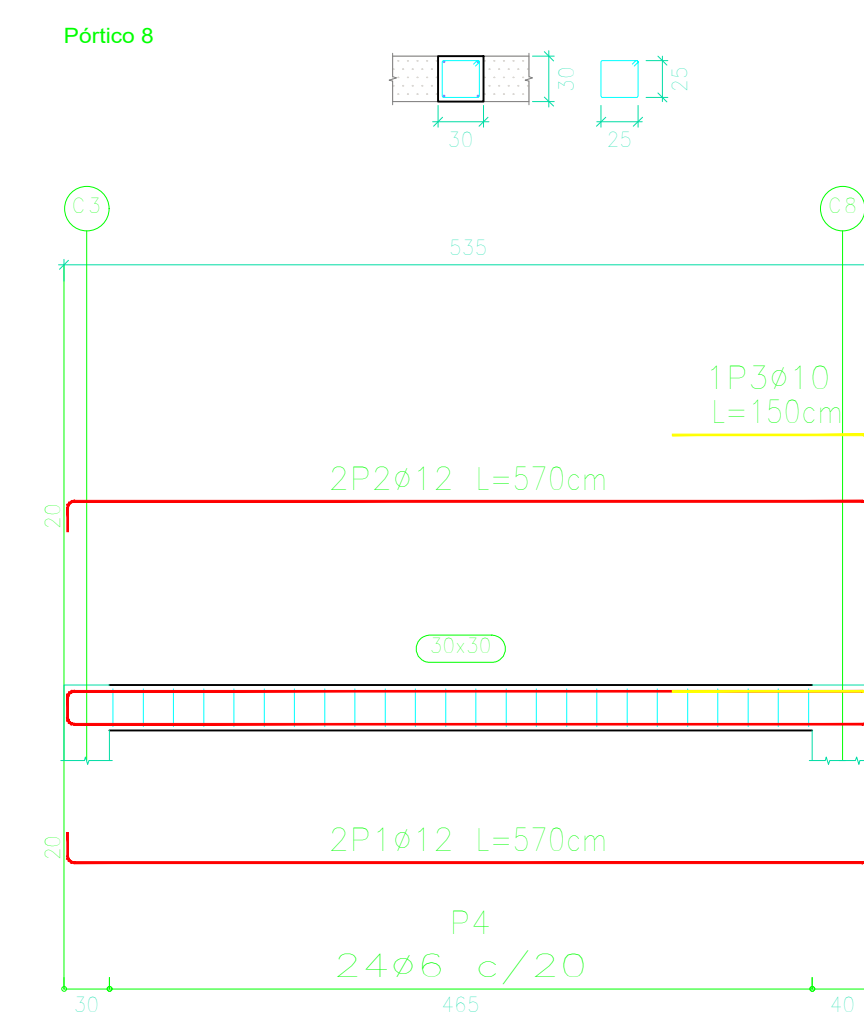
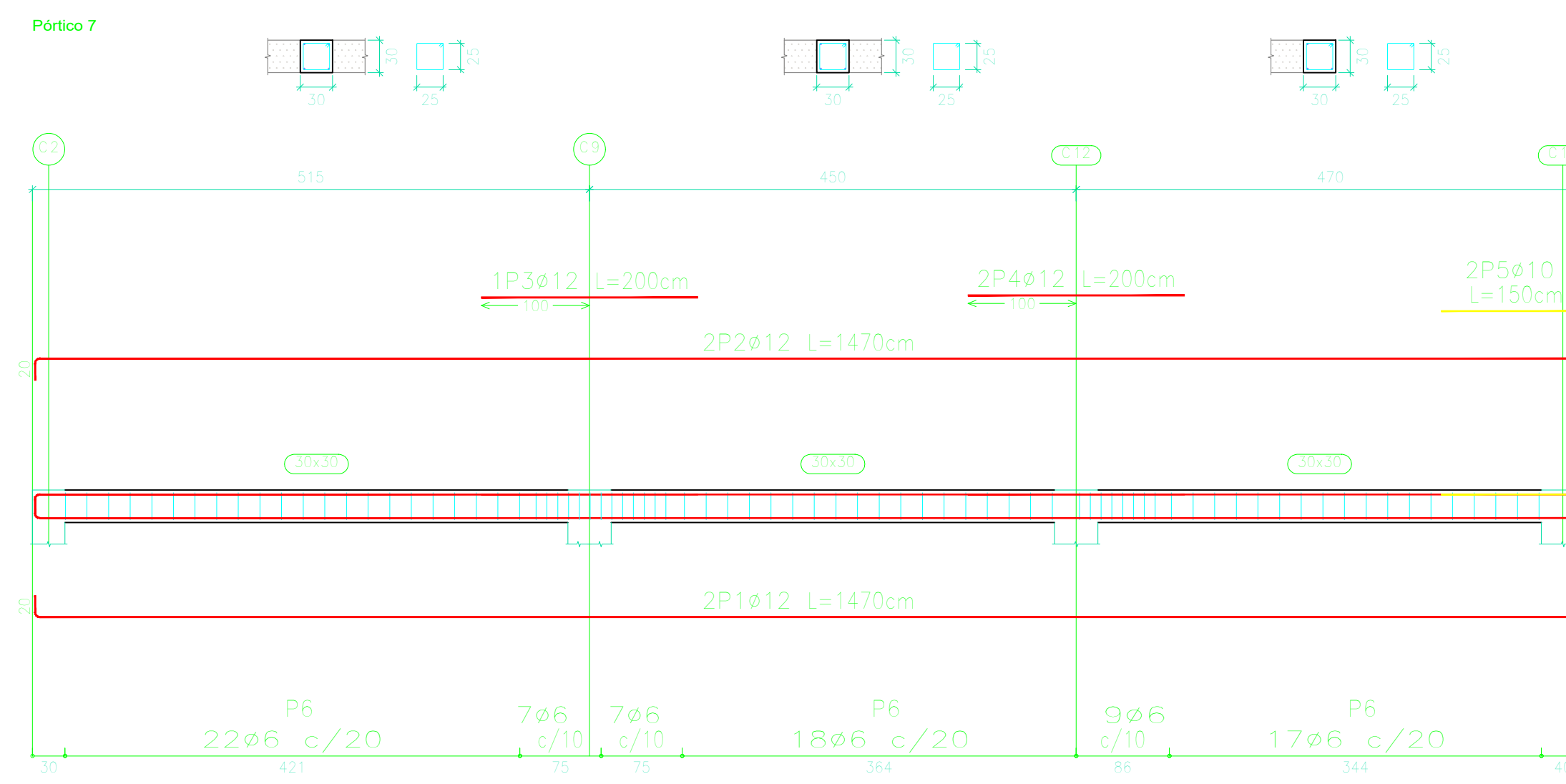
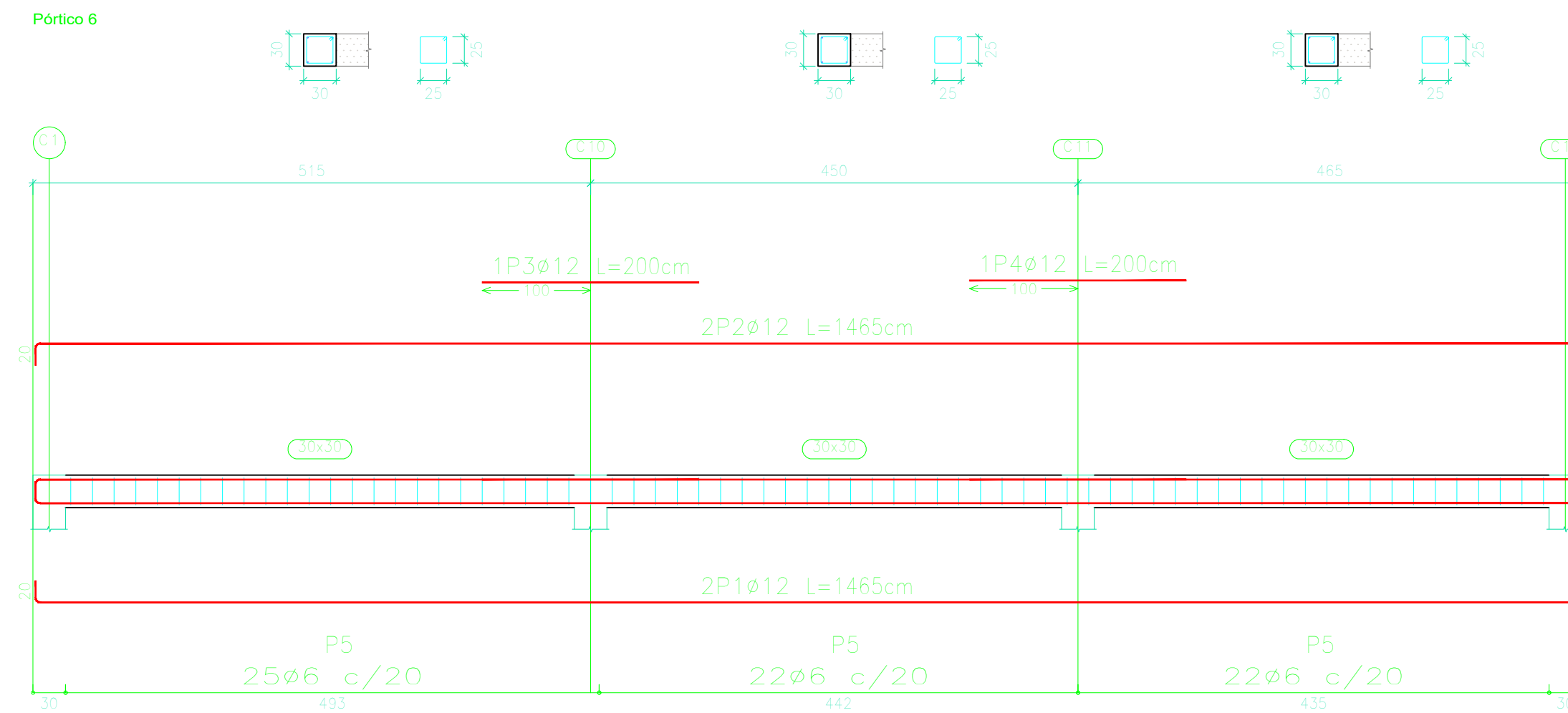
	UNIVERSIDAD AUTONOMA JUAN MISAEL SARACHO		
	FACULTAD DE CIENCIAS Y TECNOLOGIA		
	CARRERA DE INGENIERIA CIVIL		
PROYECTO: DISEÑO ESTRUCTURAL AMPLIACION DE LA INFRAESTRUCTURA EN EL CENTRO EXPERIMENTAL DE CHOCHLOCA CECH - FCAF (U.A.J.M.S.).			
TITULO: CUADRO DE VIGAS			
CARACTER: PLANOS ESTRUCTURALES	UNIVERSITARIO: JUAN GABRIEL MONTAÑO APARICIO		
	ESCALA: INDICADA	PLANO: 11/21	
FECHA: NOVIEMBRE / 2019			

REPLANTEO Y REFUERZOS DE VIGAS

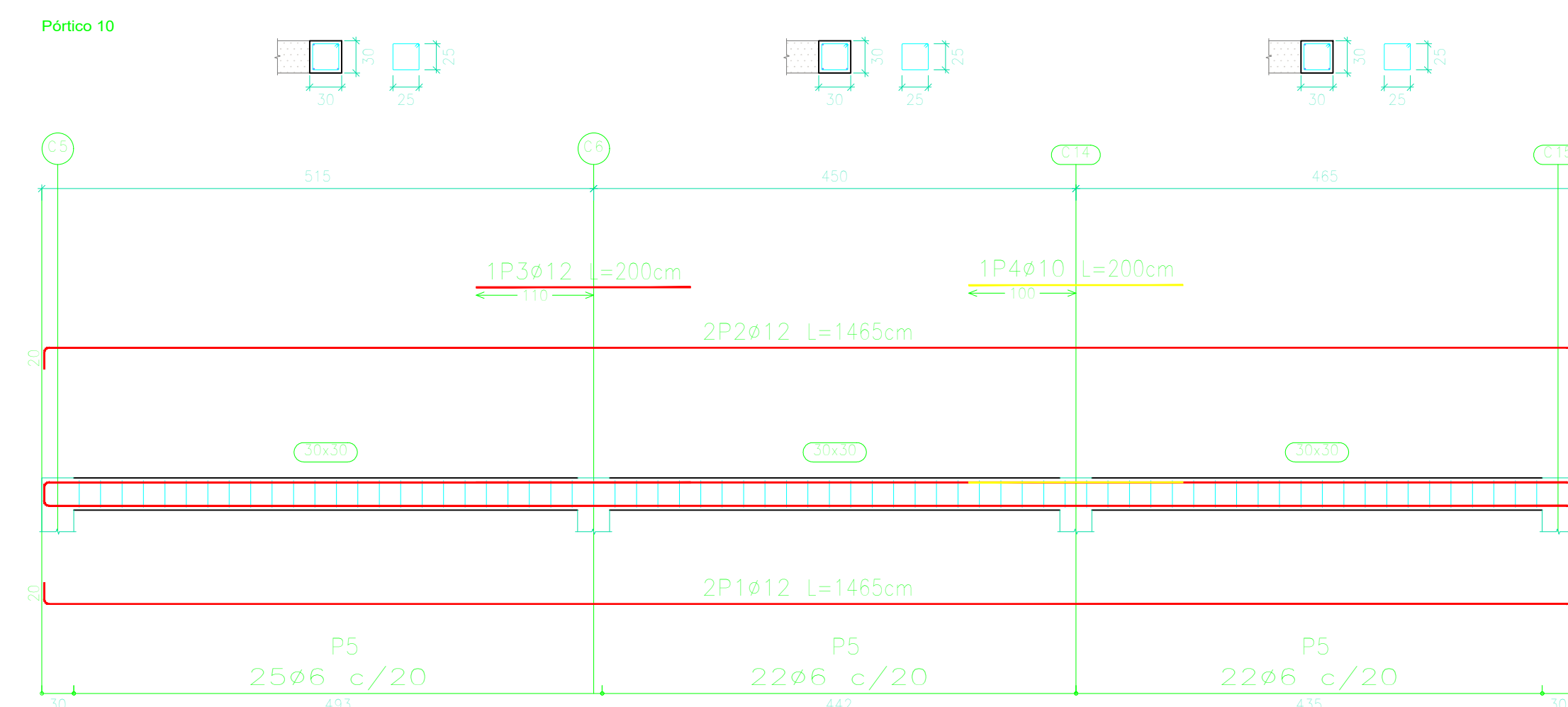
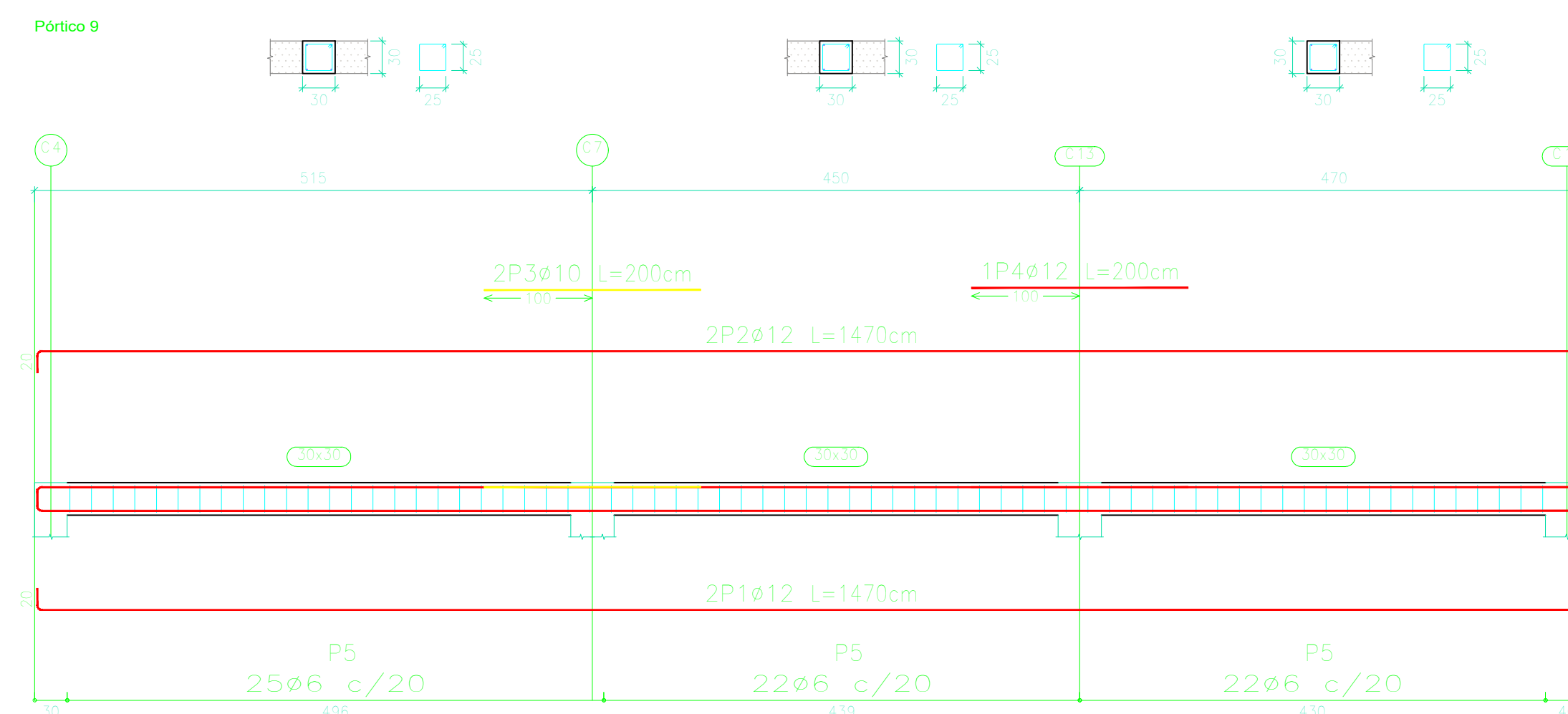
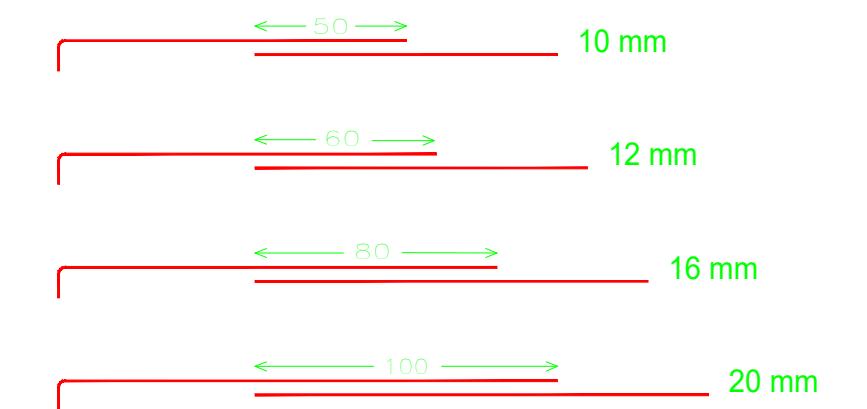
ESQUEMA ESTRUCTURAL PÓRTICOS
NIVEL +14.40 m (4ta LOSA)
ESC.: 1:50



ESQUEMA ESTRUCTURAL VIGAS - NIVEL +14.40 m (4ta LOSA)
ESC.: 1:50



TRASLAPES PARA ACERO ESTRUCTURAL

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