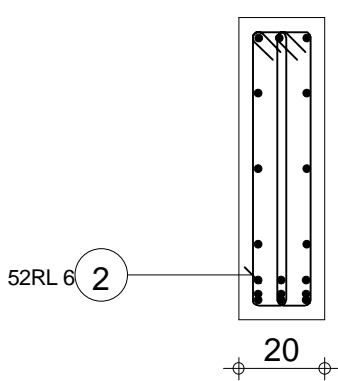
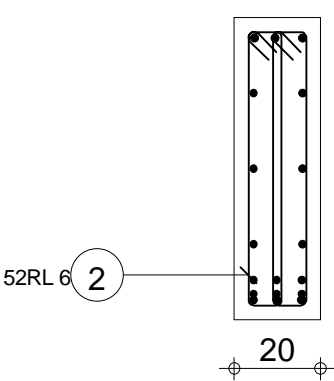


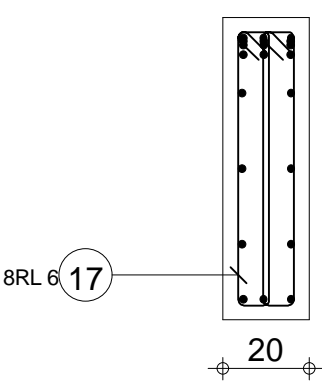
A-A



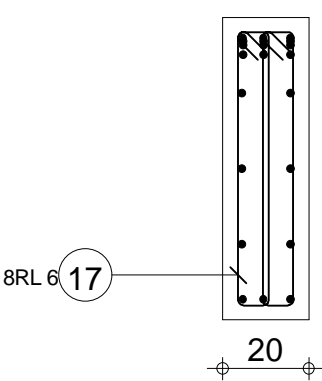
B-B





C-C

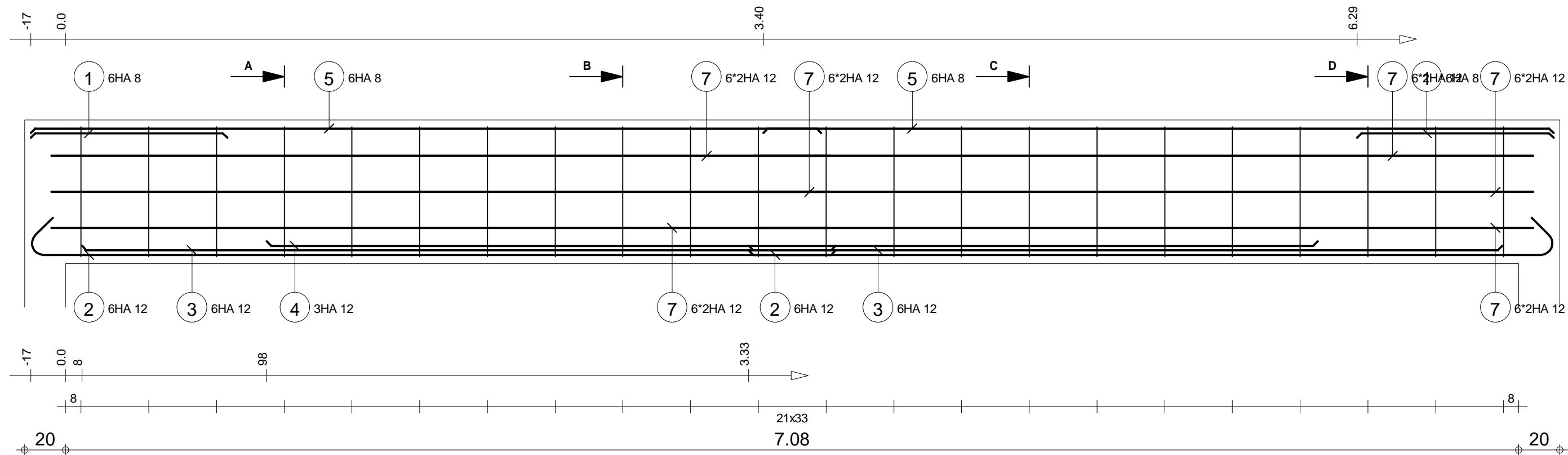


D-D



Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme							
①	3HA 8	l=1.04	00	④	3HA 14	l=4.24	00	⑦	3HA 14	l=5.38	00	⑩	6*2HA 12	l=3.79	00	⑬	3HA 8	l=1.86	00							
②	52RL 6	l=1.56	31	⑤	3HA 14	l=6.20	00	⑧	3HA 8	l=3.89	00	⑪	3HA 8	l=3.48	00	⑭	3HA 8	l=1.67	00							
③	3HA 14	l=4.21	00	⑥	3HA 14	l=1.33	00	⑨	3HA 8	l=5.49	00	⑫	3HA 8	l=2.66	00	⑮	3*2HA 12	l=1.67	00							
Tél.												Fax														
RDC PROJET CERME_PLANS GUIDES					POUTRE 1 Section 20x70							Nombre 1			Béton : BETON25 = 1.28 m3			Acier HA 400 = 151 kg								
															Acier RL 235 = 21.5 kg											
												Enrobage inférieur 3 cm			Enrobage supérieur 3 cm						Enrobage latéral 3 cm					
												Densité = 134.4 kg/ m3			Surface du coffrage = 14.8 m2			Echelle pour la vue 3.97cm/m			Echelle pour la section 5.71cm/m			Page 1/2		

Pos.	Armature	Code	Forme
16	2RL 6 l=1.56	31	
17	8RL 6 l=1.55	31	

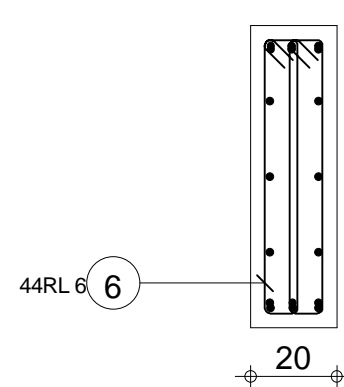
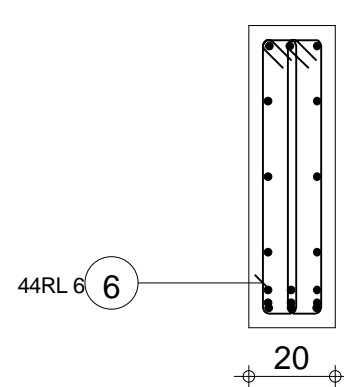
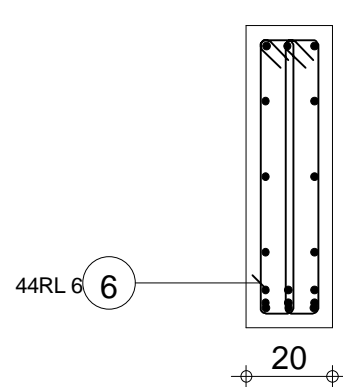
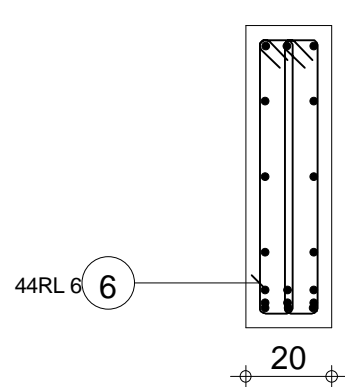


A-A

B-B

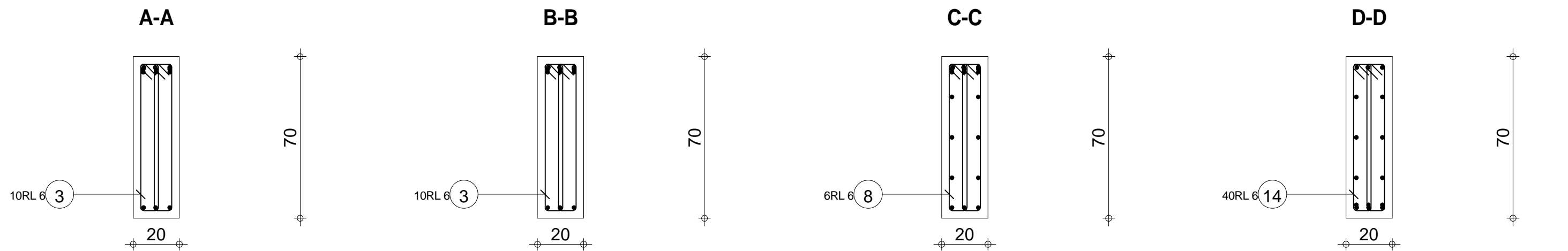
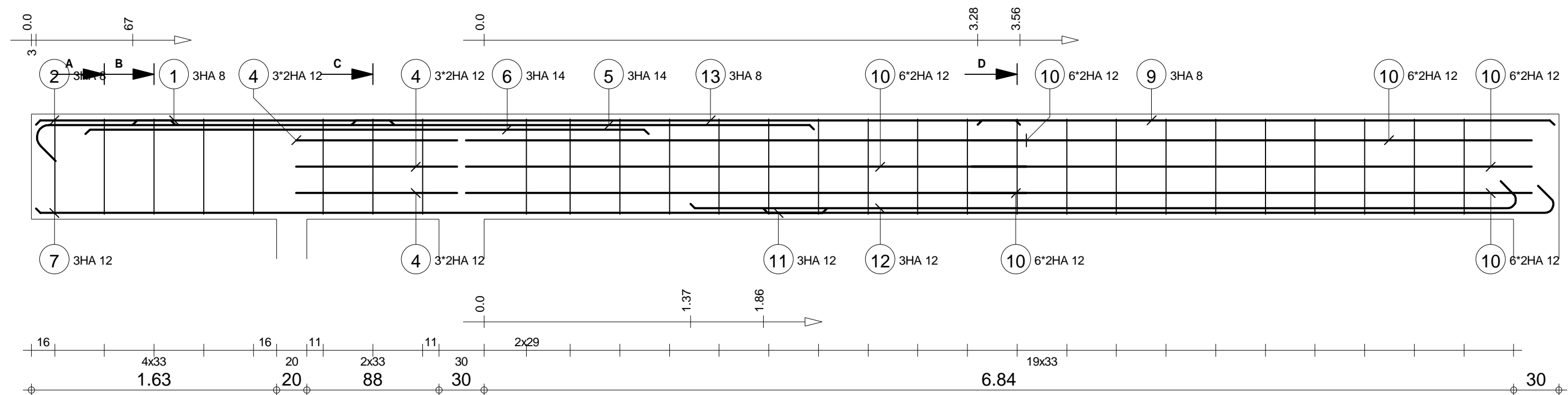
C-C

D-D

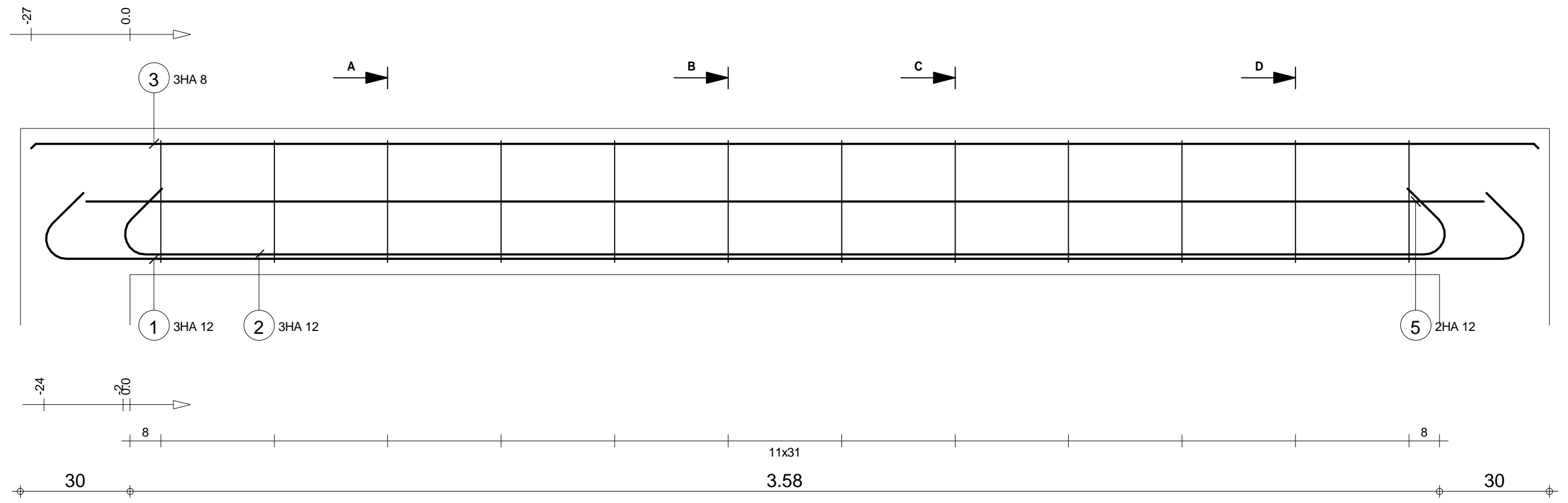


Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme
①	6HA 8	l=96	00	④	3HA 12	l=5.12	00	⑦	6*2HA 12	l=3.79	00
②	6HA 12	l=4.11	00	⑤	6HA 8	l=3.85	00				
③	6HA 12	l=3.67	00	⑥	44RL 6	l=1.56	31				

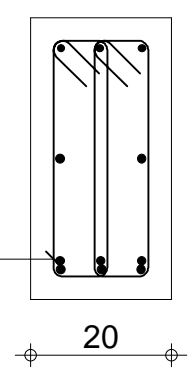
		Tél.	Fax			Acier HA 400 = 107 kg		
RDC PROJET CERME_PLANS GUIDES	POUTRE 2 Section 20x70	Nombre 1	Béton : BETON25 = 1.05 m3		Acier RL 235 = 15.2 kg			
			Enrobage inférieur 3 cm		Enrobage supérieur 3 cm		Enrobage latéral 3 cm	
			Densité = 116.2 kg/ m3		Echelle pour la vue 4.83cm/m		Page 1/1	
			Surface du coffrage = 12.2 m2		Echelle pour la section 5.71cm/m			



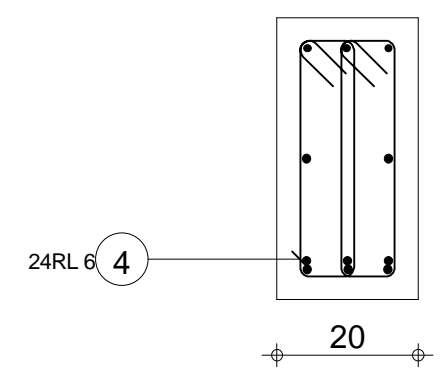
Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme				
①	3HA 8	l=1.74	00	④	3*2HA 12	l=1.07	00	⑦	3HA 12	l=5.26	00	⑩	6*2HA 12	l=3.72	00	⑬	3HA 8	l=4.44	00				
②	3HA 8	l=93	00	⑤	3HA 14	l=5.42	00	⑧	6RL 6	l=1.56	31	⑪	3HA 12	l=5.45	00	⑭	40RL 6	l=1.56	31				
③	10RL 6	l=1.56	31	⑥	3HA 14	l=3.74	00	⑨	3HA 8	l=3.83	00	⑫	3HA 12	l=5.68	00								
Tél.												Fax											
RDC PROJET CERME_PLANS GUIDES				POUTRE 3 Section 20x70								Nombre 1				Béton : BETON25 = 1.42 m3		Acier HA 400 = 135 kg Acier RL 235 = 19.4 kg					
												Enrobage inférieur 3 cm				Enrobage supérieur 3 cm				Enrobage latéral 3 cm			
												Densité = 108.5 kg/ m3				Echelle pour la vue 3.59cm/m				Page 1/1			
												Surface du coffrage = 16.4 m2				Echelle pour la section 5.71cm/m							



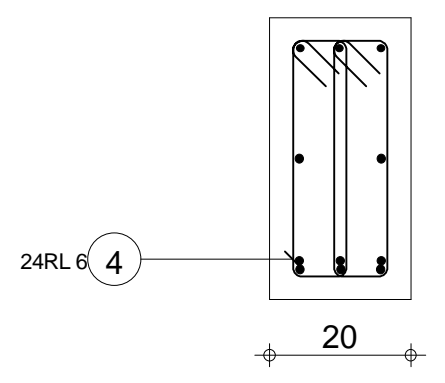
A-A



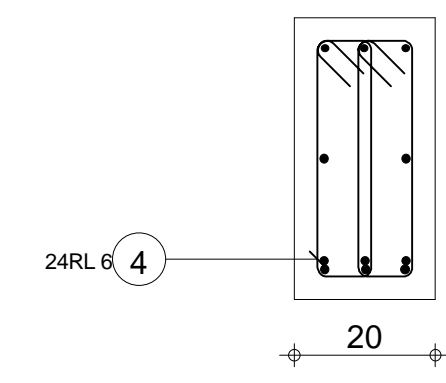
B-B



C-C

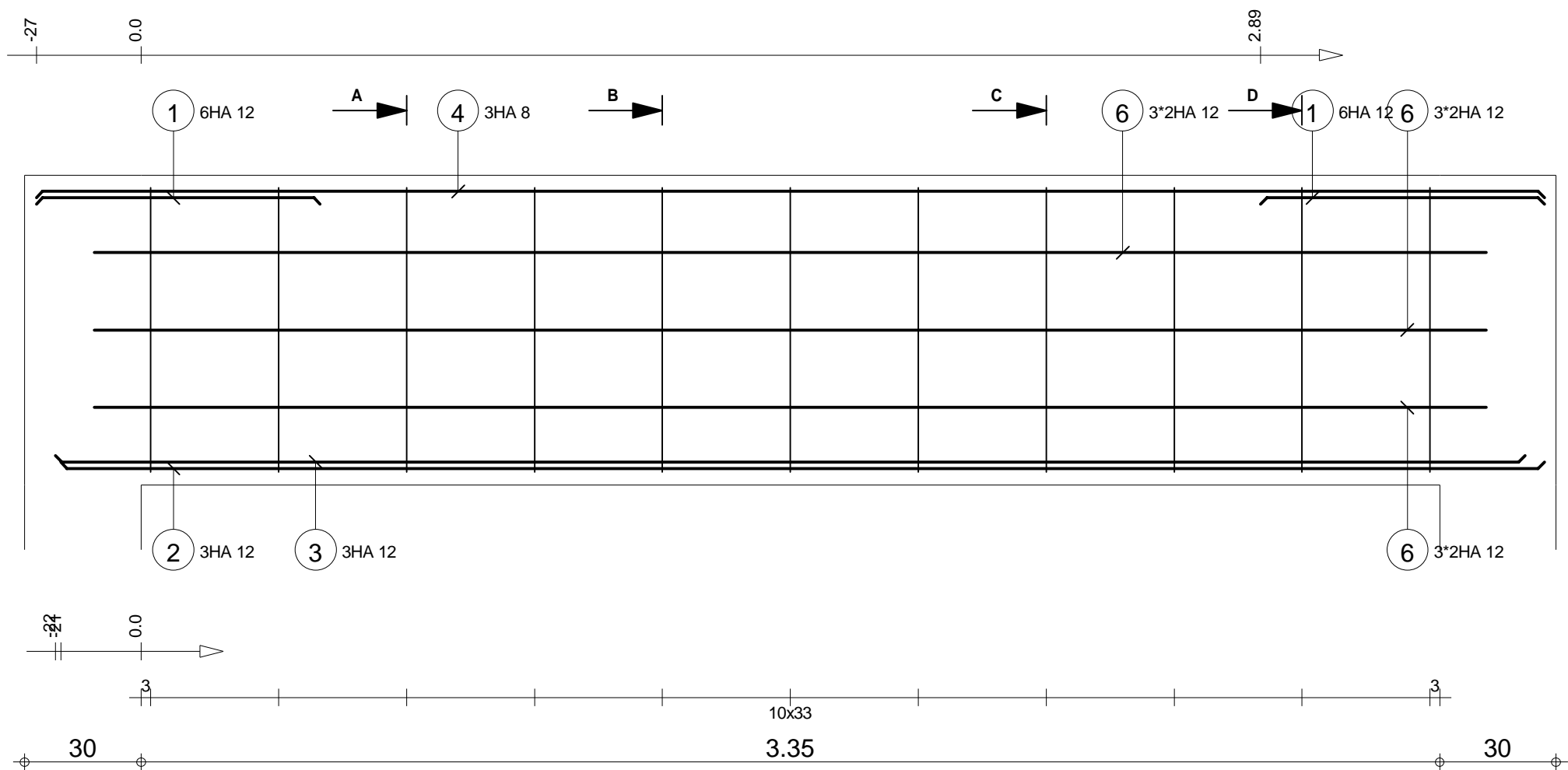


D-D



Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme
①	3HA 12	l=4.43	00	④	24RL 6	l=96	31
②	3HA 12	l=4.00	00	⑤	2HA 12	l=3.82	00
③	3HA 8	l=4.12	00				

RDC		POUTREE 4		Nombre 1		Béton : BETON25 = 0.334 m3		Acier HA 400 = 34.1 kg	
PROJET CERME_PLANS GUIDES		Section 20x40				Enrobage inférieur 3 cm		Enrobage supérieur 3 cm	
						Densité = 117.4 kg/ m3		Echelle pour la vue 8.45cm/m	
						Surface du coffrage = 4.22 m2		Echelle pour la section 9.34cm/m	
								Page 1/1	

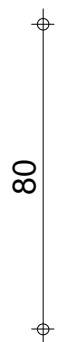
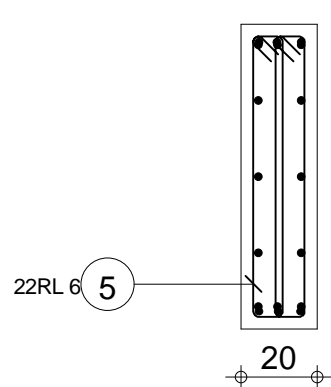
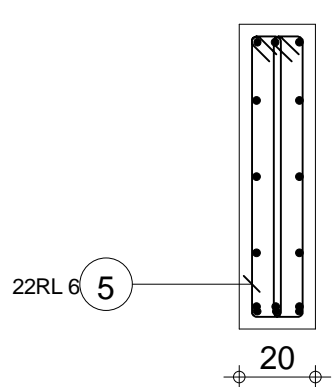
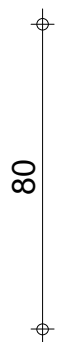
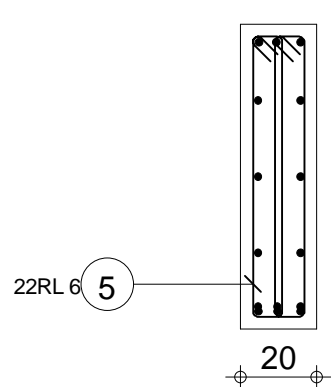
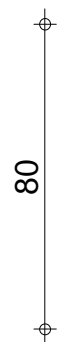
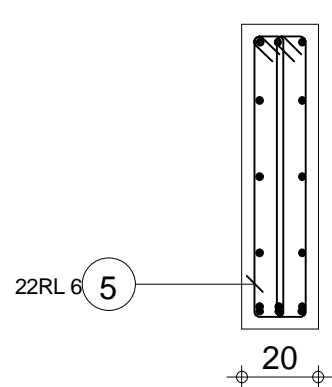


A-A

B-B

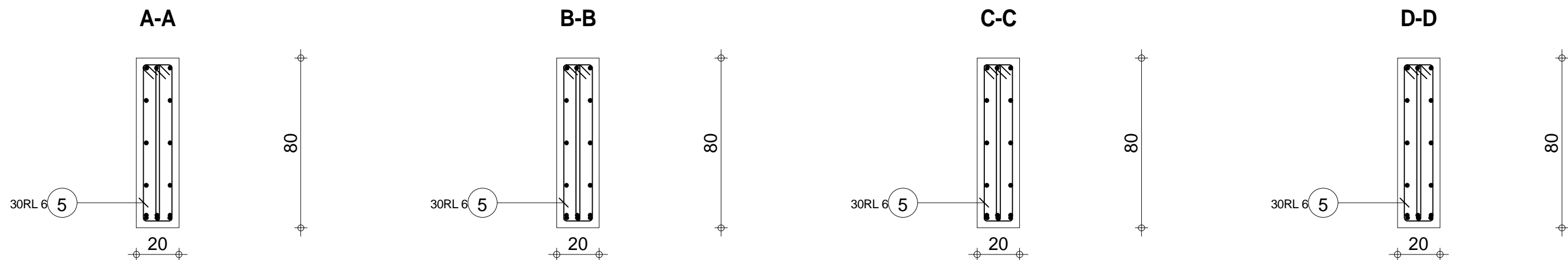
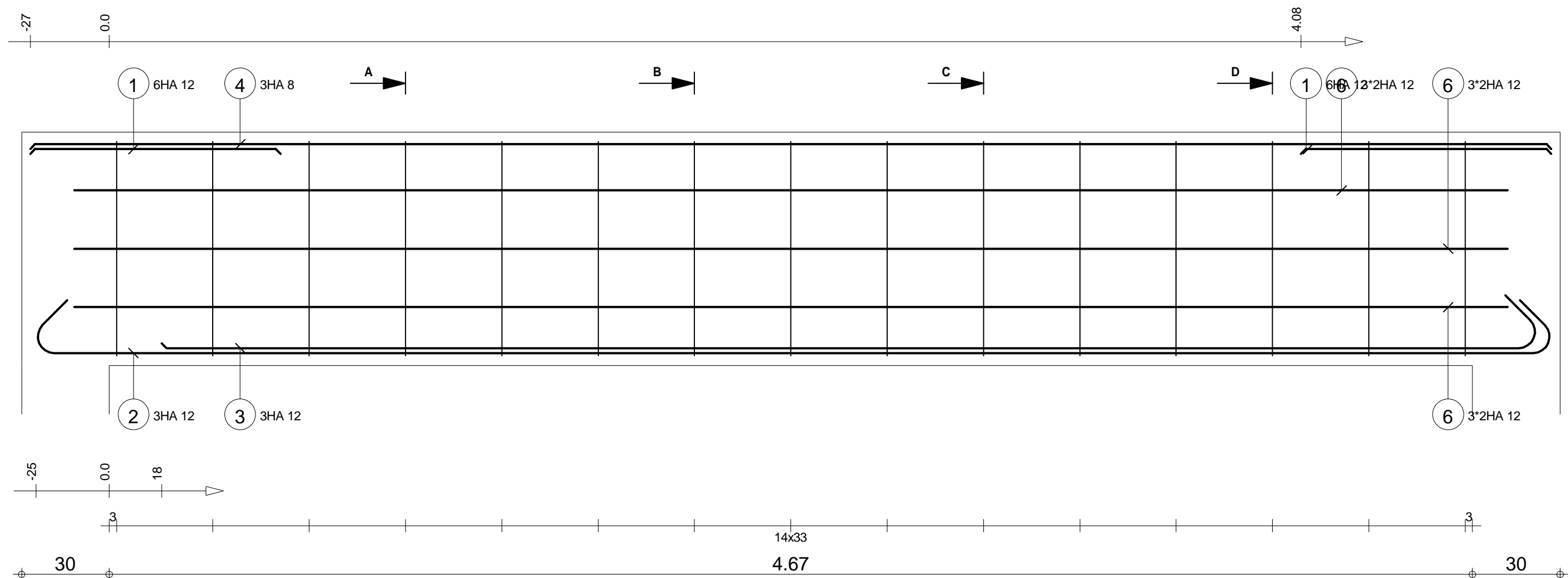
C-C

D-D



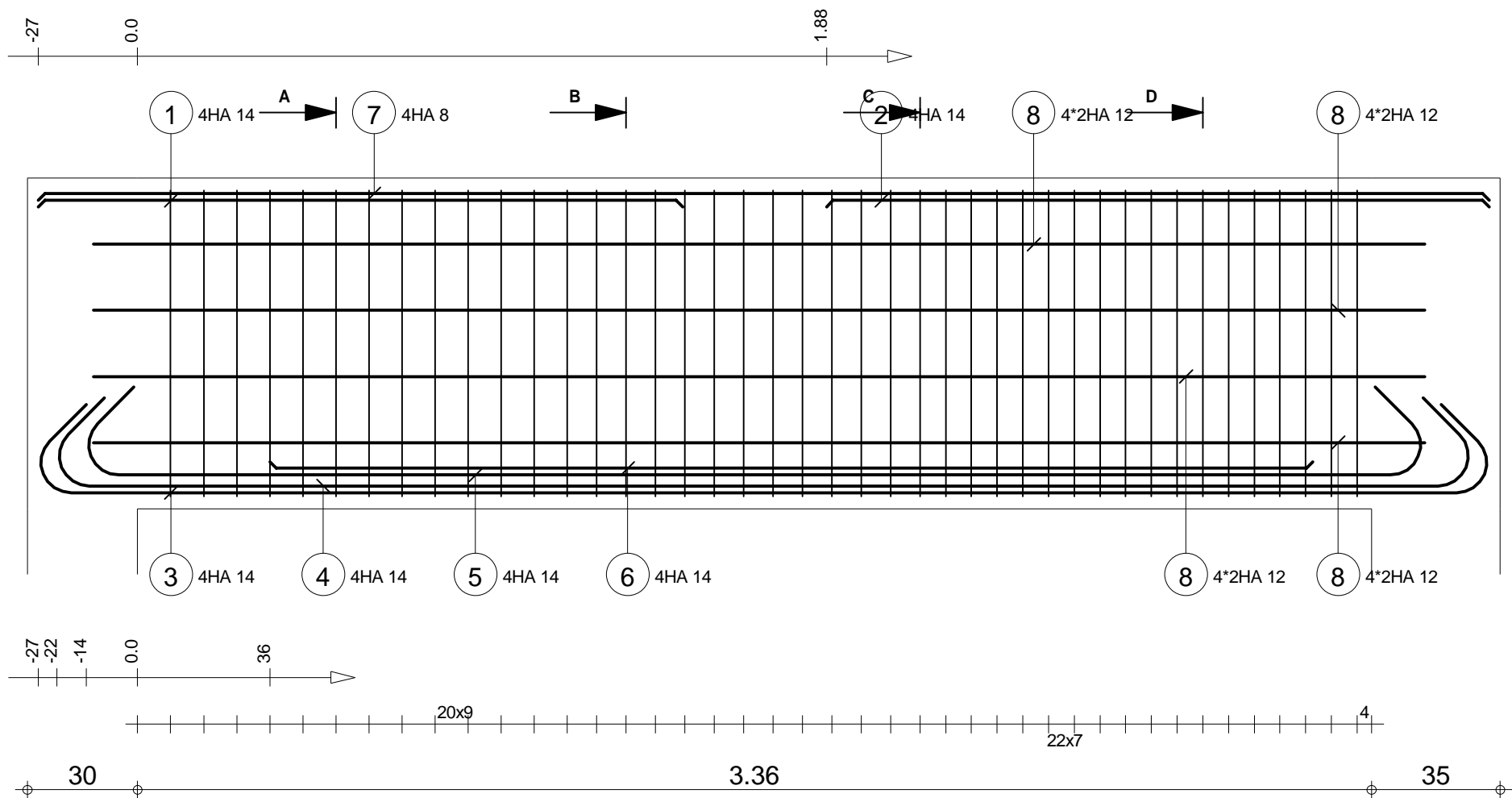
Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme
①	6HA 12	l=73	00	④	3HA 8	l=3.89	00
②	3HA 12	l=3.83	00	⑤	22RL 6	l=1.76	31
③	3HA 12	l=3.79	00	⑥	3*2HA 12	l=3.59	00

		Tél.	Fax		Acier HA 400 = 47.9 kg			
RDC PROJET CERME_PLANS GUIDES	POUTRE 5 Section 20x80	Nombre 1	Béton : BETON25 = 0.632 m3		Acier RL 235 = 8.59 kg			
			Enrobage inférieur 3 cm		Enrobage supérieur 3 cm		Enrobage latéral 3 cm	
			Densité = 89.4 kg/ m3		Echelle pour la vue 6.6cm/m		Page 1/1	
			Surface du coffrage = 7.31 m2		Echelle pour la section 5.05cm/m			

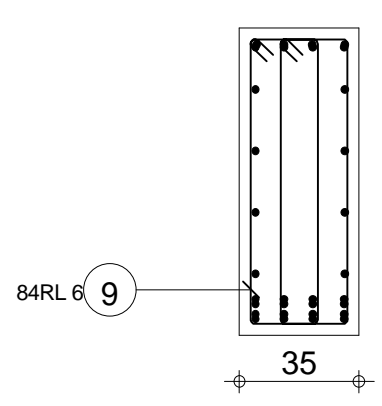


Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme
①	6HA 12	I=86	00	④	3HA 8	I=5.21	00
②	3HA 12	I=5.57	00	⑤	30RL 6	I=1.76	31
③	3HA 12	I=4.90	00	⑥	3*2HA 12	I=4.91	00

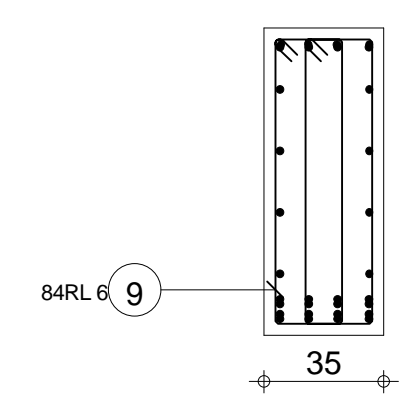
<div>RDC</div> <div>PROJET CERME_PLANS GUIDES</div>		Tél.		Fax				Acier HA 400 = 64.8 kg					
		<div>POUTRE 6</div> <div>Section 20x80</div>				Nombre 1		Béton : BETON25 = 0.843 m3		Acier RL 235 = 11.7 kg			
								Enrobage inférieur 3 cm		Enrobage supérieur 3 cm		Enrobage latéral 3 cm	
								Densité = 90.75 kg/ m3		Echelle pour la vue 6.6cm/m		Page 1/1	
								Surface du coffrage = 9.69 m2		Echelle pour la section 5.05cm/m			



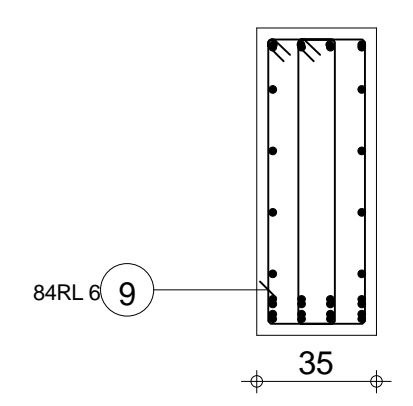
A-A



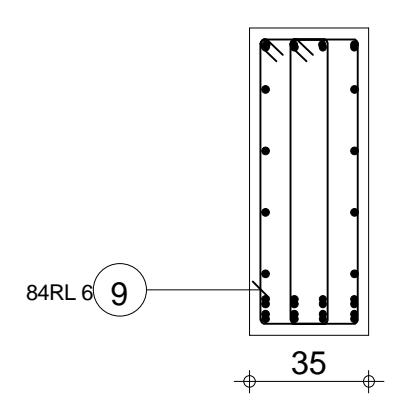
B-B



C-C



D-D



Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme
①	4HA 14	l=1.75	00	④	4HA 14	l=4.34	00	⑦	4HA 8	l=3.95	00
②	4HA 14	l=1.80	00	⑤	4HA 14	l=4.13	00	⑧	4*2HA 12	l=3.63	00
③	4HA 14	l=4.44	00	⑥	4HA 14	l=2.84	00	⑨	84RL 6	l=2.20	31

RDC PROJET CERME_PLANS GUIDES	POUTRE 7 Section 35x90	Nombre 1	Tél. Fax		Béton : BETON25 = 1.26 m3		Acier HA 400 = 125 kg	
			Enrobage inférieur 3 cm		Enrobage supérieur 3 cm		Enrobage latéral 3 cm	
			Densité = 131.7 kg/ m3		Echelle pour la vue 6.04cm/m		Page 1/1	
			Surface du coffrage = 9.02 m2		Echelle pour la section 4.52cm/m			

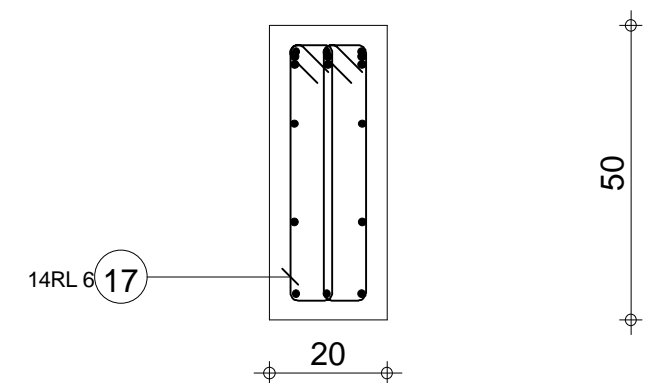
Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme								
①	3HA 8 l=2.00	00		④	3HA 12 l=2.40	00		⑦	3HA 8 l=2.09	00		⑩	6HA 12 l=2.03	00		⑬	2HA 12 l=3.70	00									
②	28RL 6 l=96	31		⑤	2HA 12 l=3.54	00		⑧	3HA 12 l=3.41	00		⑪	3HA 12 l=2.67	00													
③	3HA 12 l=3.27	00		⑥	3HA 8 l=3.97	00		⑨	3HA 14 l=2.58	00		⑫	24RL 6 l=96	31													
Tél.												Fax															
RDC PROJET CERME_PLANS GUIDES				POUTRE 8 Section 20x40								Nombre 1				Acier HA 400 = 73.9 kg											
																Béton : BETON25 = 0.605 m3				Acier RL 235 = 11.1 kg							
																Enrobage inférieur 3 cm				Enrobage supérieur 3 cm				Enrobage latéral 3 cm			
																Densité = 140.5 kg/ m3 Surface du coffrage = 7.59 m2				Echelle pour la vue 4.78cm/m Echelle pour la section 9.34cm/m				Page 1/1			

A-A

B-B

C-C

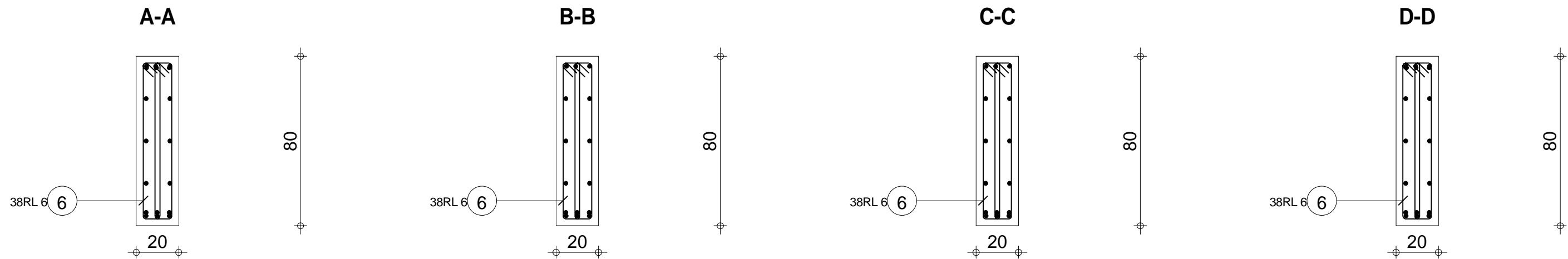
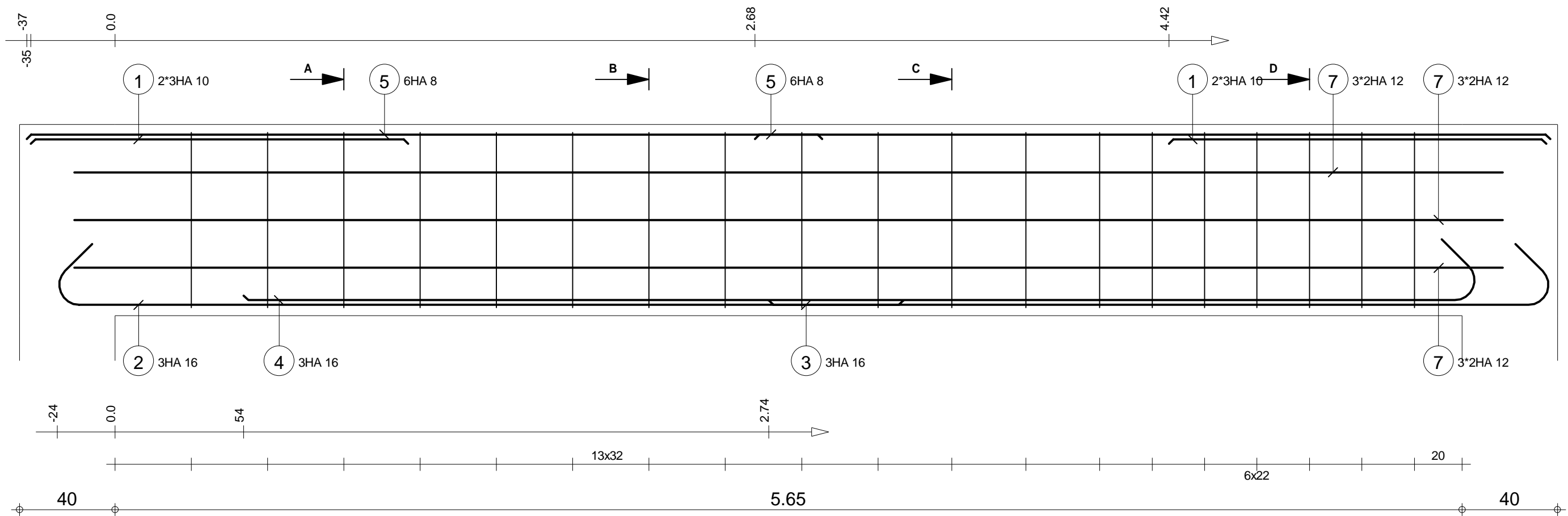
D-D



Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme												
①	3HA 12	l=1.87	00	④	3HA 12	l=2.05	00	⑦	3HA 8	l=3.91	00	⑩	3HA 14	l=2.78	00	⑬	26RL 6	l=1.16	31												
②	22RL 6	l=1.16	31	⑤	3HA 12	l=2.35	00	⑧	2*2HA 12	l=3.57	00	⑪	3HA 12	l=3.34	00	⑭	2*2HA 12	l=3.59	00												
③	3HA 12	l=3.26	00	⑥	3HA 8	l=2.08	00	⑨	3HA 14	l=4.25	00	⑫	3HA 8	l=3.68	00	⑮	3HA 8	l=1.67	00												
Tél.								Fax				Acier HA 400 = 105 kg				Acier RL 235 = 15.9 kg															
RDC PROJET CERME_PLANS GUIDES								POUTRE 9 Section 20x50				Nombre 1				Béton : BETON25 = 0.916 m3				Enrobage inférieur 3 cm				Enrobage supérieur 3 cm				Enrobage latéral 3 cm			
																Densité = 131 kg/ m3				Echelle pour la vue 3.97cm/m				Echelle pour la section 7.8cm/m				Page 1/2			
																Surface du coffrage = 11 m2															

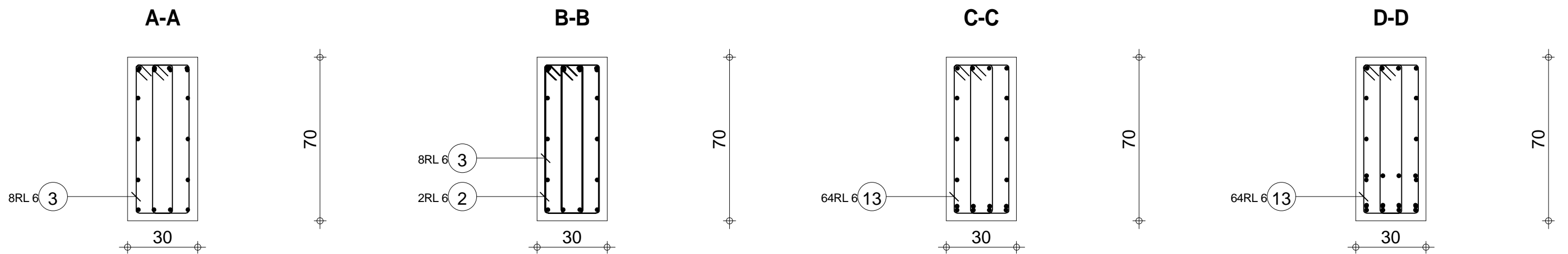
Pos.	Armature	Code	Forme
16	2*2HA 12 l=1.67	00	<div>1.67</div>
17	14RL 6 l=1.15*	31	<div><div>8</div><div>8</div><div>1.15</div></div>

		Tél.	Fax		
RDC PROJET CERME_PLANS GUIDES	POUTRE 9 Section 20x50	Nombre 1	Béton : BETON25 = 0.916 m3	Acier HA 400 = 105 kg Acier RL 235 = 15.9 kg	
			Enrobage inférieur 3 cm	Enrobage supérieur 3 cm	Enrobage latéral 3 cm
			Densité = 131 kg/ m3 Surface du coffrage = 11 m2		Page 2/2

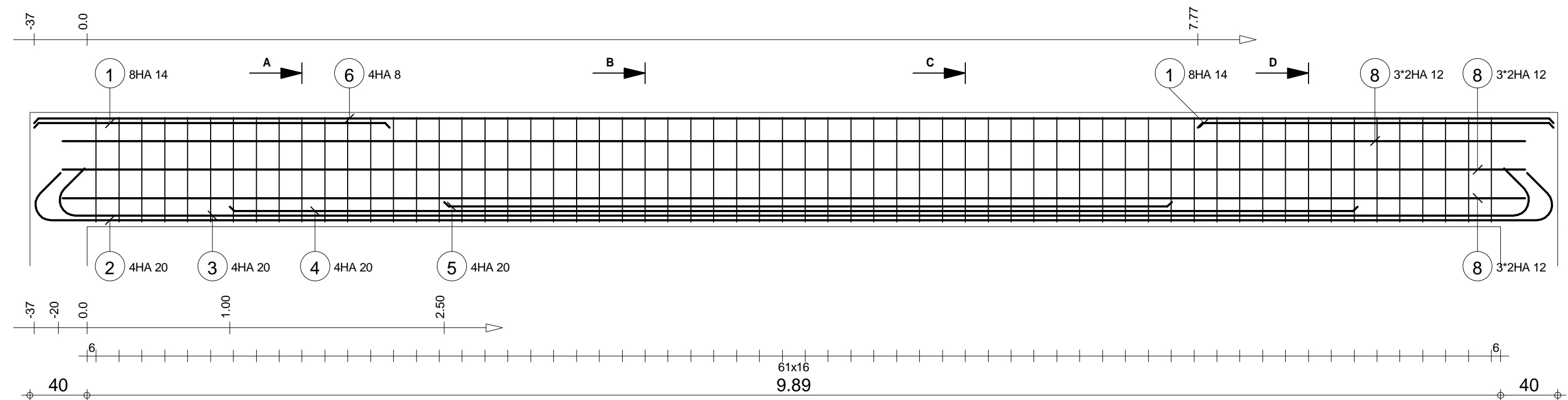


Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme			
①	2*3HA 10	I=1.58	00	1.58	④	3HA 16	I=5.44	00	5.17	⑦	3*2HA 12	I=5.99	00	5.99
②	3HA 16	I=3.81	00	3.55	⑤	6HA 8	I=3.34	00	3.34					
③	3HA 16	I=3.54	00	3.28	⑥	38RL 6	I=1.76	31	8 8 74					

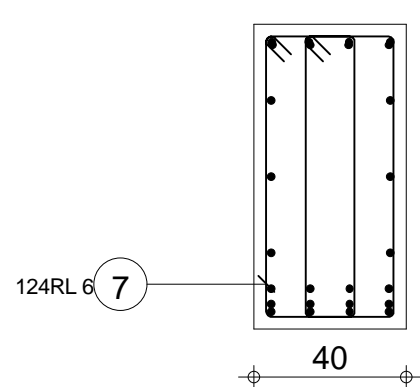
RDC PROJET CERME_PLANS GUIDES		POUTRE 10 Section 20x80		Nombre 1		Béton : BETON25 = 1.03 m3		Acier HA 400 = 106 kg	
						Enrobage inférieur 3 cm		Acier RL 235 = 14.9 kg	
						Densité = 117.5 kg/ m3		Enrobage supérieur 3 cm	
						Surface du coffrage = 11.8 m2		Enrobage latéral 3 cm	
						Echelle pour la vue 5.57cm/m		Echelle pour la section 5.05cm/m	
								Page 1/1	



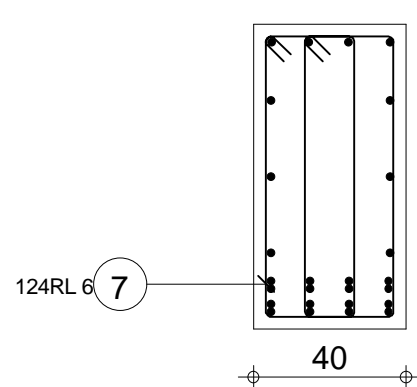
RDC
PROJET CERME_PLANS GUIDES



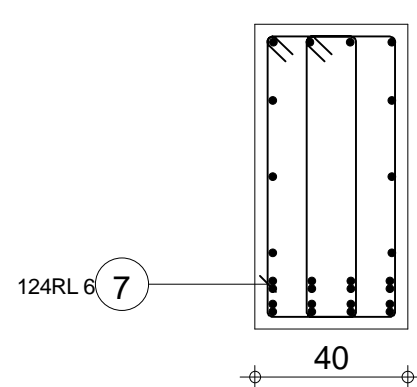
A-A



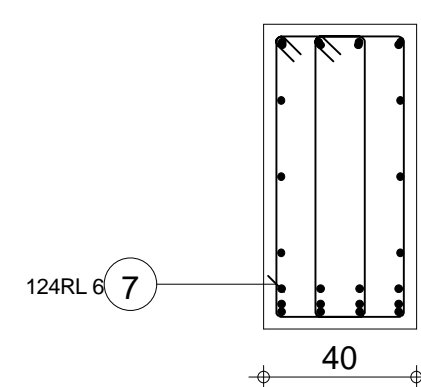
B-B











C-C



D-D



Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme
①	8HA 14 l=2.49	00	 2.49	④	4HA 20 l=7.89	00	 7.89	⑦	124RL 6 l=2.07	31	
②	4HA 20 l=11.31	00	 10.63	⑤	4HA 20 l=5.09	00	 5.09	⑧	3*2HA 12 l=10.23	00	 10.23
③	4HA 20 l=10.97	00	 10.30	⑥	4HA 8 l=10.63	00	 10.63				

		Tél.		Fax				
RDC PROJET CERME_PLANS GUIDES	POUTRE 13 Section 40x80	Nombre 1	Béton : BETON25 = 3.42 m3		Acier HA 400 = 443 kg			
			Acier RL 235 = 56.9 kg					
			Enrobage inférieur 3 cm		Enrobage supérieur 3 cm		Enrobage latéral 3 cm	
			Densité = 146.2 kg/ m3 Surface du coffrage = 21.7 m2		Echelle pour la vue 3.42cm/m Echelle pour la section 5.05cm/m		Page 1/1	

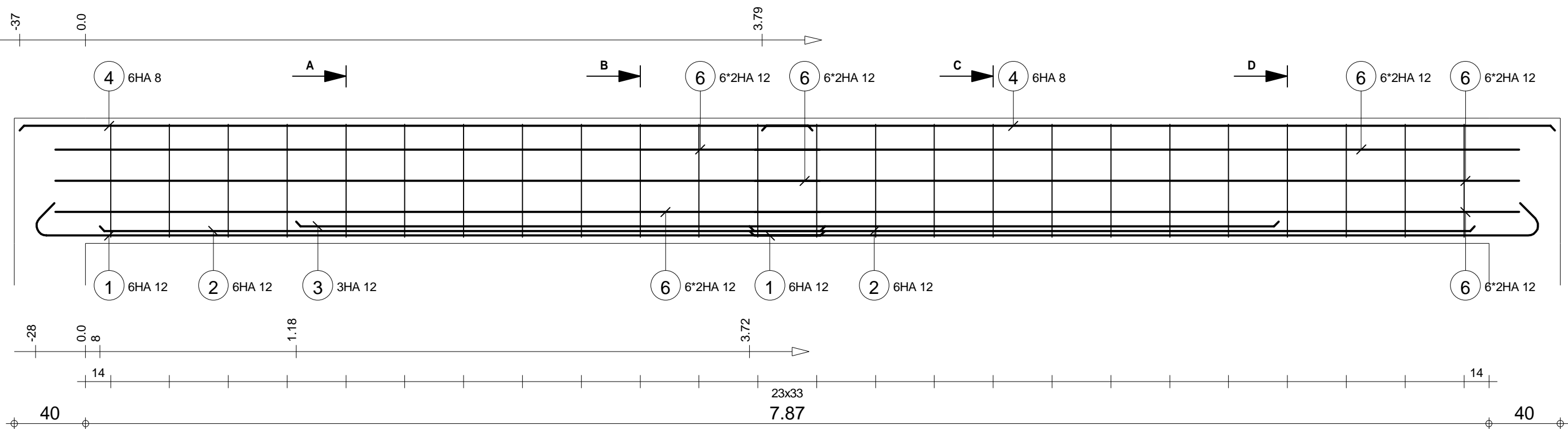
A-A

B-B

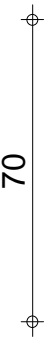
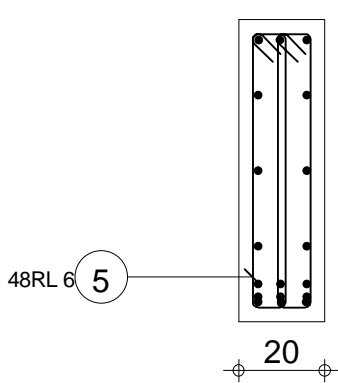
C-C

D-D

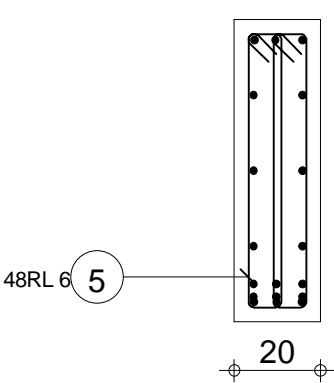
Pos.	Armature	Code	Forme
16	3HA 10 l=2.23	00	<div>2.23</div>
17	36HA 6 l=1.16	31	<div><div>8</div><div>4</div><div>8</div></div>
18	4*2HA 12 l=3.75	00	<div>3.75</div>
19	4HA 6 l=1.16	31	<div><div>8</div><div>4</div><div>8</div></div>
20	3HA 10 l=49	00	<div>49</div>



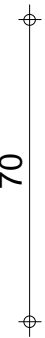
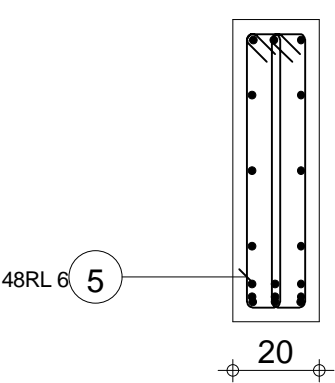
A-A



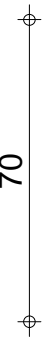
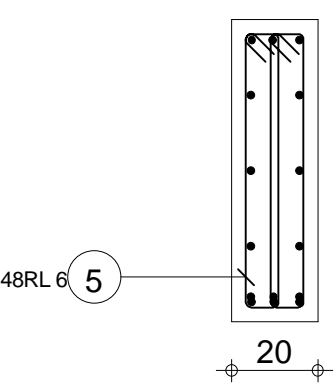
B-B



C-C

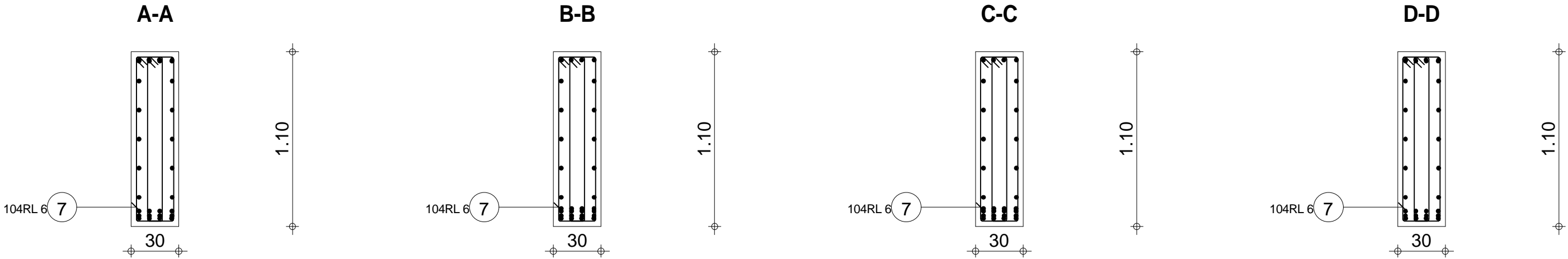
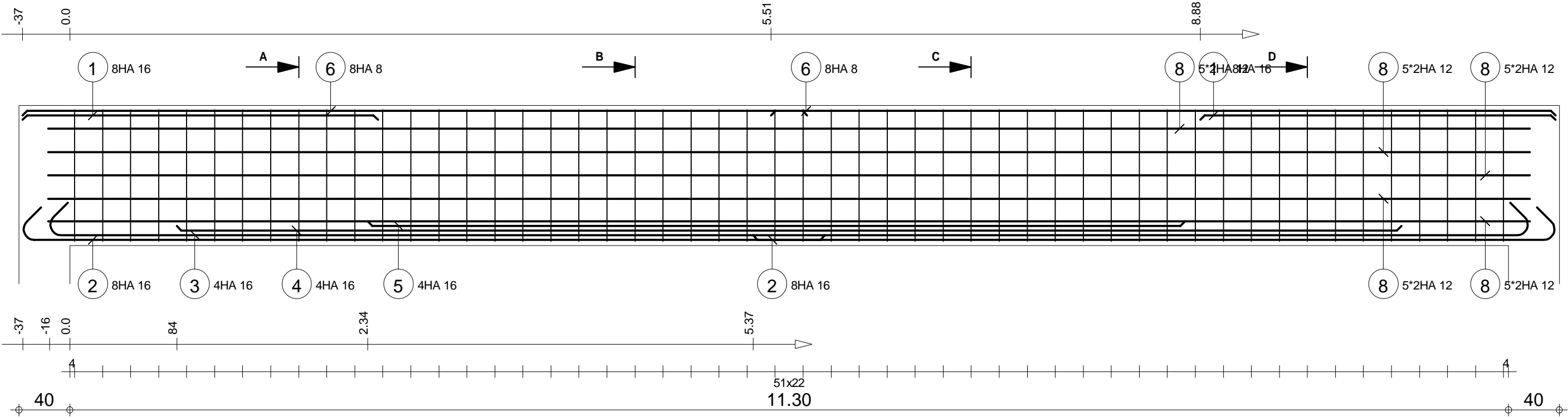


D-D



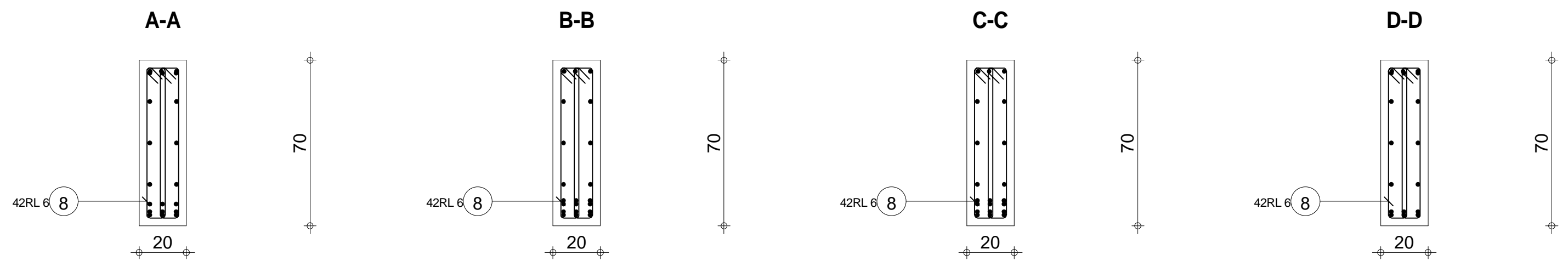
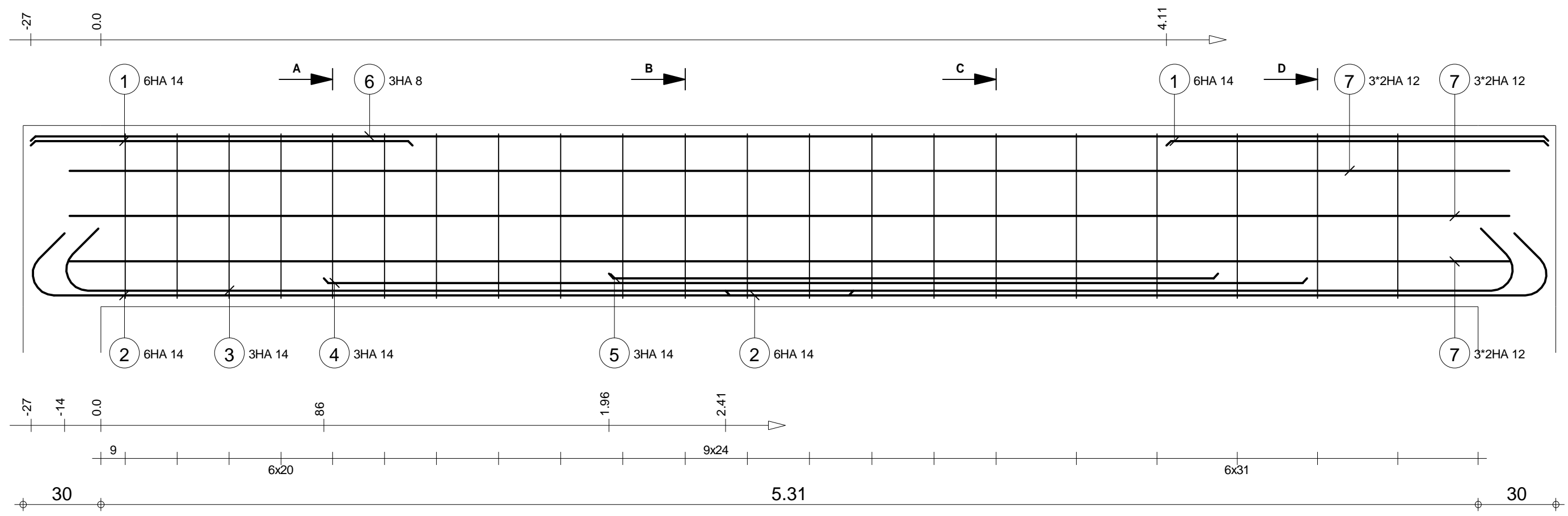
Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme
①	6HA 12	l=4.62	00	④	6HA 8	l=4.45	00
②	6HA 12	l=4.07	00	⑤	48RL 6	l=1.56	31
③	3HA 12	l=5.51	00	⑥	6*2HA 12	l=4.29	00


RDC PROJET CERME_PLANS GUIDES	POUTRE 15 Section 20x70	Nombre 1	Tél.	Fax	Acier HA 400 = 117 kg		
			Béton : BETON25 = 1.21 m3		Acier RL 235 = 16.6 kg		
			Enrobage inférieur 3 cm		Enrobage supérieur 3 cm		Enrobage latéral 3 cm
			Densité = 110.7 kg/ m3		Echelle pour la vue 4.18cm/m		Page 1/1
			Surface du coffrage = 14 m2		Echelle pour la section 5.71cm/m		



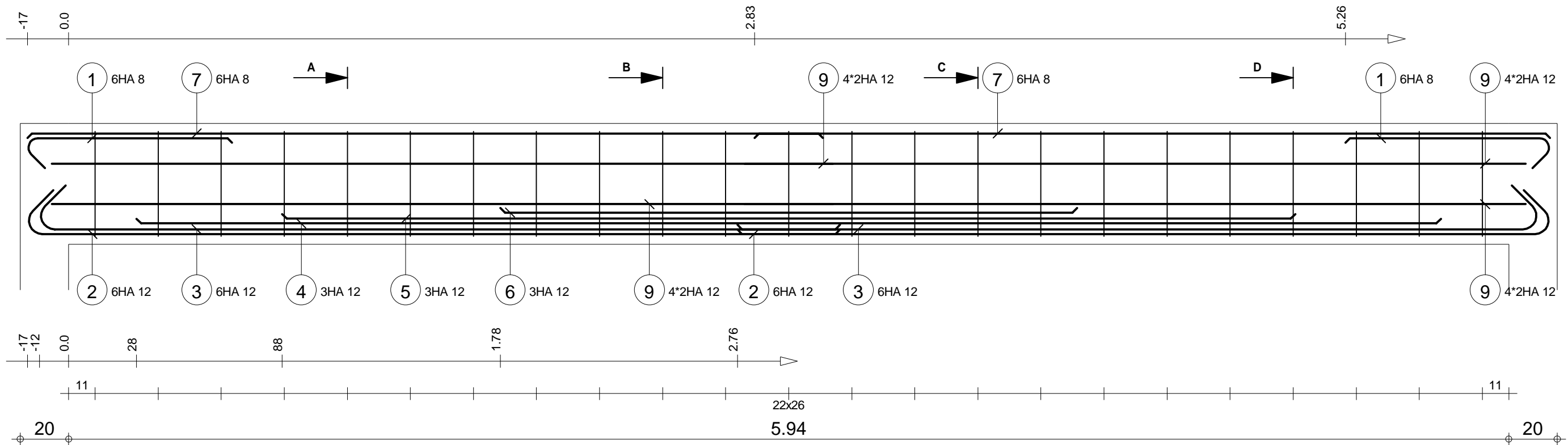
Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme
①	8HA 16	l=2.79	00	④	4HA 16	l=9.62	00	⑦	104RL 6	l=2.53	31
②	8HA 16	l=6.57	00	⑤	4HA 16	l=6.42	00	⑧	5*2HA 12	l=11.64	00
③	4HA 16	l=12.15	00	⑥	8HA 8	l=6.16	00				

RDC				POUTRE 16 AVEC REMONTEE DE 35CM				Nombre 1				Béton : BETON25 = 3.99 m3		Acier HA 400 = 419 kg	
PROJET CERME_PLANS GUIDES				Section 30x110								Enrobage inférieur 3 cm		Enrobage supérieur 3 cm	
												Densité = 119.5 kg/ m3		Echelle pour la vue 3.03cm/m	
												Surface du coffrage = 30.7 m2		Echelle pour la section 3.76cm/m	
														Page 1/1	

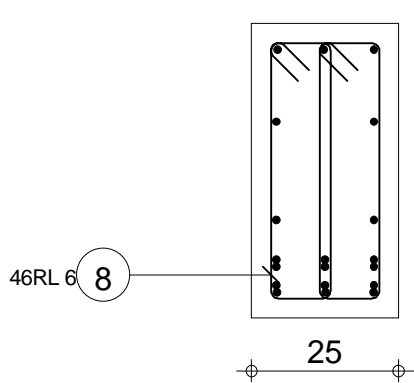


Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme			
①	6HA 14	l=1.47	00	1.47	④	3HA 14	l=3.79	00	3.79	⑦	3*2HA 12	l=5.55	00	5.55
②	6HA 14	l=3.42	00	3.17	⑤	3HA 14	l=2.35	00	2.35	⑧	42RL 6	l=1.56	31	
③	3HA 14	l=6.08	00	5.59	⑥	3HA 8	l=5.85	00	5.85					

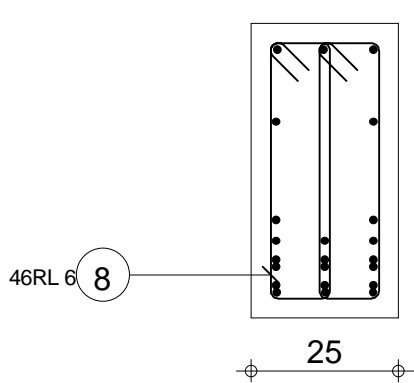
RDC PROJET CERME_PLANS GUIDES		POUTRE 17 Section 20x70		Nombre 1		Tél.		Fax		Acier HA 400 = 116 kg	
						Béton : BETON25 = 0.828 m3		Acier RL 235 = 14.5 kg			
						Enrobage inférieur 3 cm		Enrobage supérieur 3 cm		Enrobage latéral 3 cm	
						Densité = 158.2 kg/ m3		Echelle pour la vue 6.05cm/m		Page 1/1	
						Surface du coffrage = 9.62 m2		Echelle pour la section 5.71cm/m			



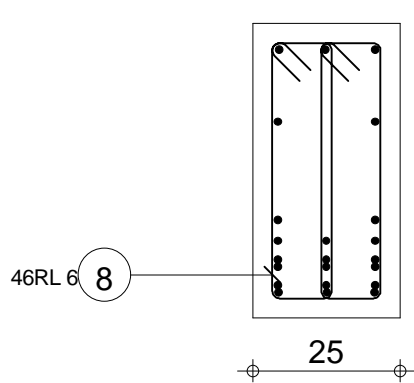
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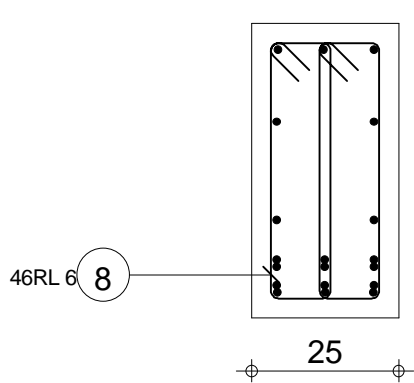
B-B












C-C

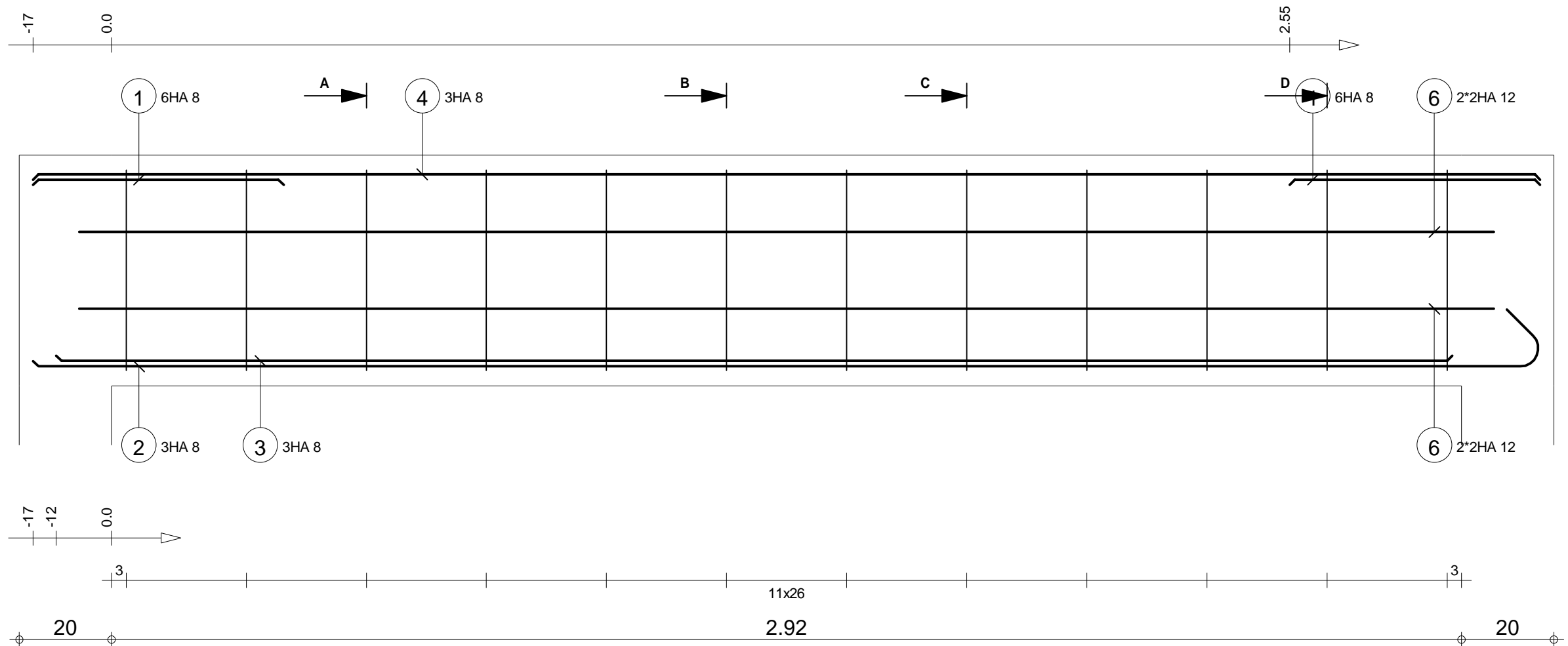


D-D

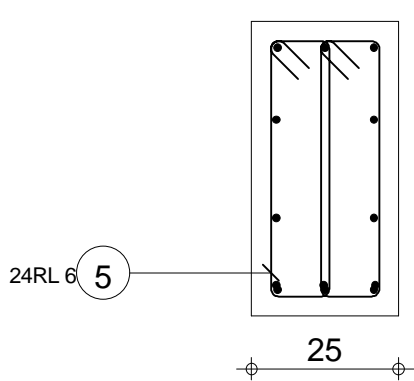


Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme			
①	6HA 8	l=97	00		④	3HA 12	l=5.38	00		⑦	6HA 8	l=3.28	00	
②	6HA 12	l=3.54	00		⑤	3HA 12	l=4.18	00		⑧	46RL 6	l=1.21	31	
③	6HA 12	l=3.49	00		⑥	3HA 12	l=2.38	00		⑨	4*2HA 12	l=3.22	00	

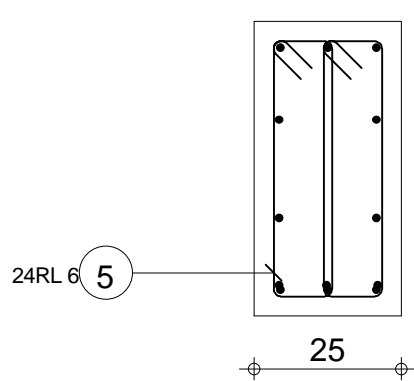
<div>RDC</div> <div>PROJET CERME_PLANS GUIDES</div>		<div>POUTRE 18</div> <div>Section 25x50</div>		Tél.		Fax				Acier HA 400 = 102 kg			
								Béton : BETON25 = 0.792 m3		Acier RL 235 = 12.3 kg			
								Enrobage inférieur 3 cm		Enrobage supérieur 3 cm		Enrobage latéral 3 cm	
								Densité = 145.2 kg/ m3		Echelle pour la vue 5.67cm/m		Page 1/1	
								Surface du coffrage = 8.07 m2		Echelle pour la section 7.8cm/m			



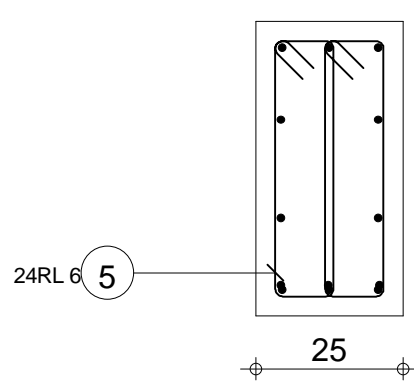
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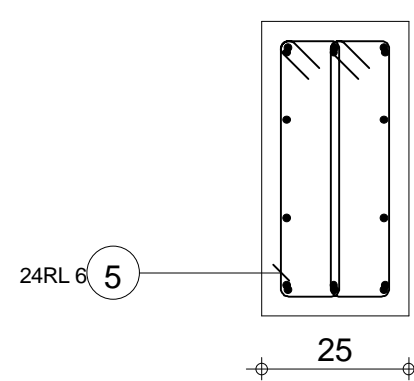
B-B



C-C

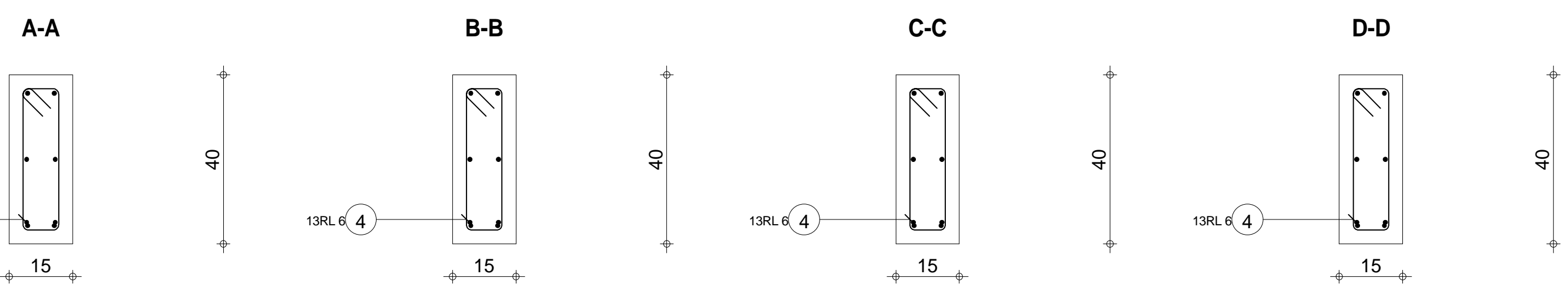
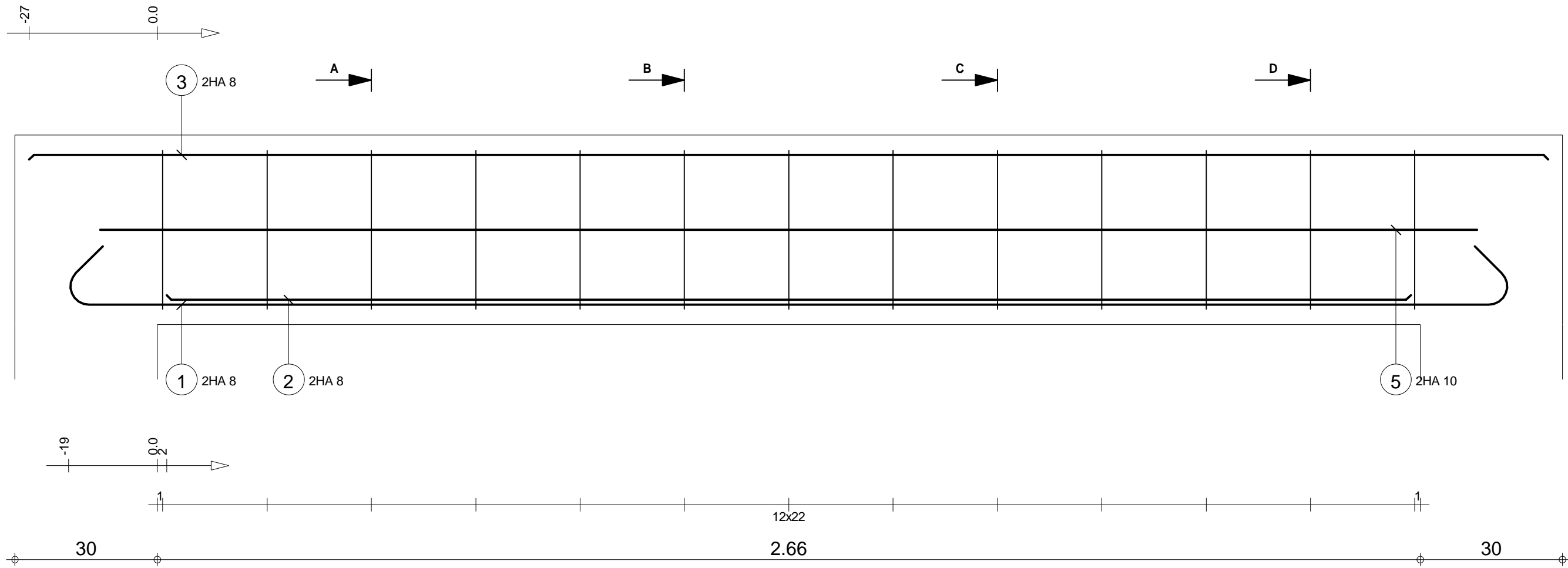



D-D

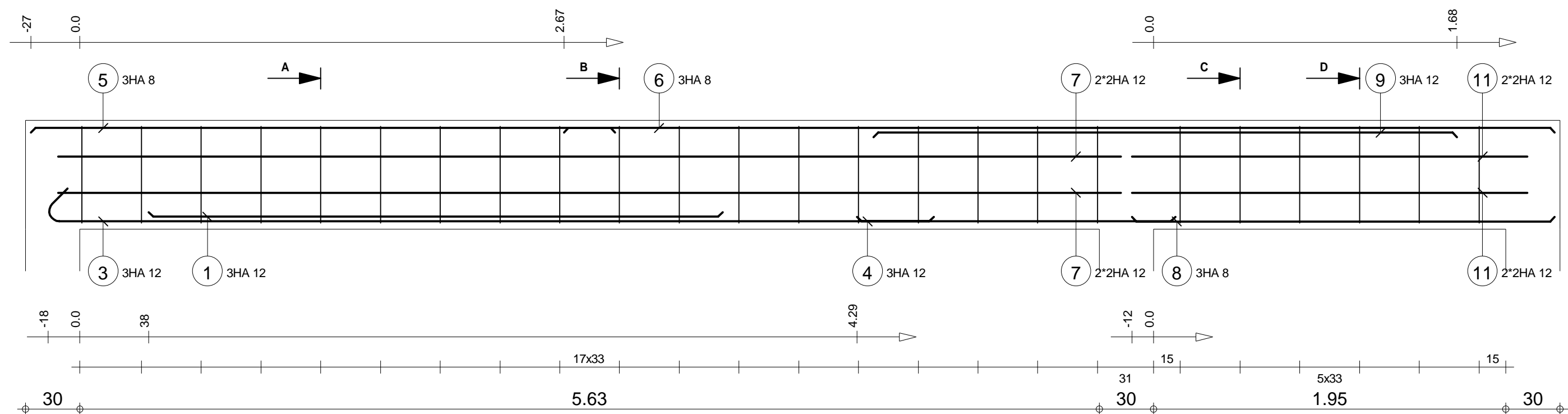


Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme
①	6HA 8	l=54	00	④	3HA 8	l=3.26	00
②	3HA 8	l=3.39	00	⑤	24RL 6	l=1.21	31
③	3HA 8	l=3.02	00	⑥	2*2HA 12	l=3.06	00

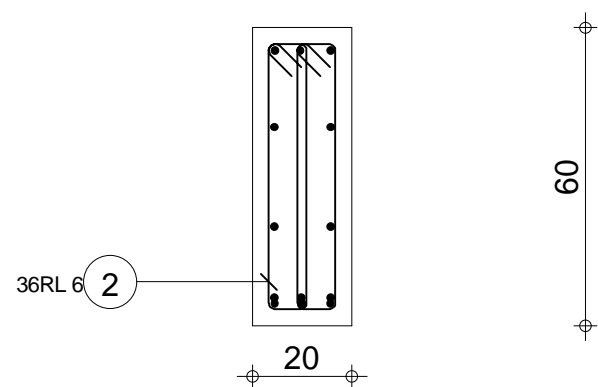
RDC		POUTRE 19		Nombre 1		Béton : BETON25 = 0.415 m3		Acier HA 400 = 23.6 kg	
PROJET CERME_PLANS GUIDES		Section 25x50				Enrobage inférieur 3 cm		Enrobage supérieur 3 cm	
						Densité = 72.29 kg/ m3		Echelle pour la vue 9.33cm/m	
						Surface du coffrage = 4.3 m2		Echelle pour la section 7.8cm/m	
								Page 1/1	



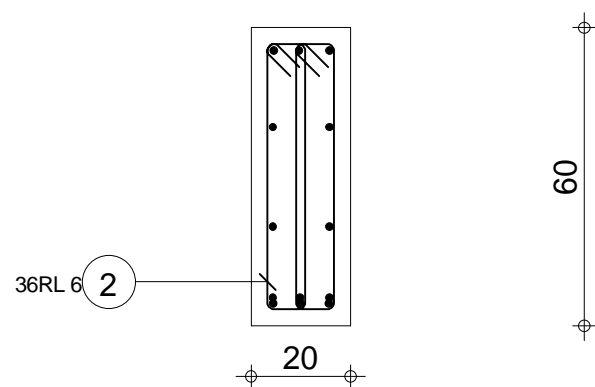
Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme		
①	2HA 8	l=3.29	00	↕ 3.04	④	13RL 6	l=98	31	
②	2HA 8	l=2.62	00	2.62	⑤	2HA 10	l=2.90	00	2.90
③	2HA 8	l=3.20	00	3.20					



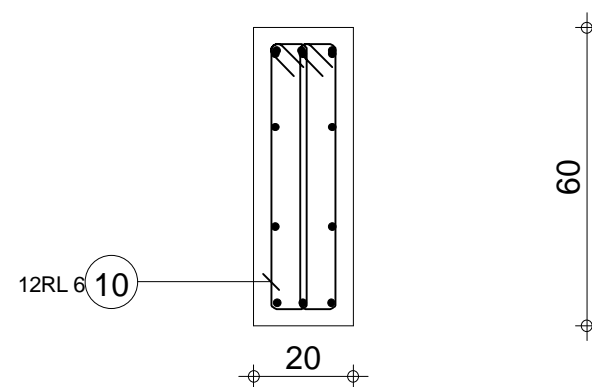
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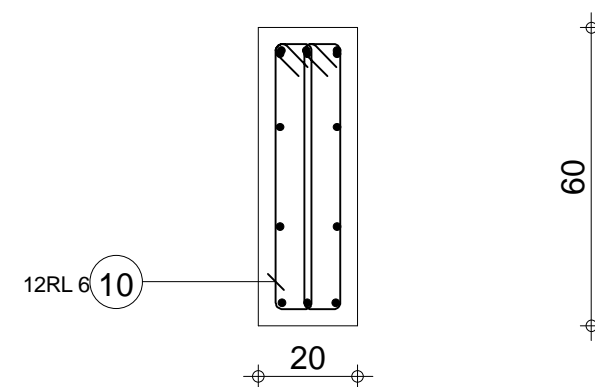
B-B



C-C

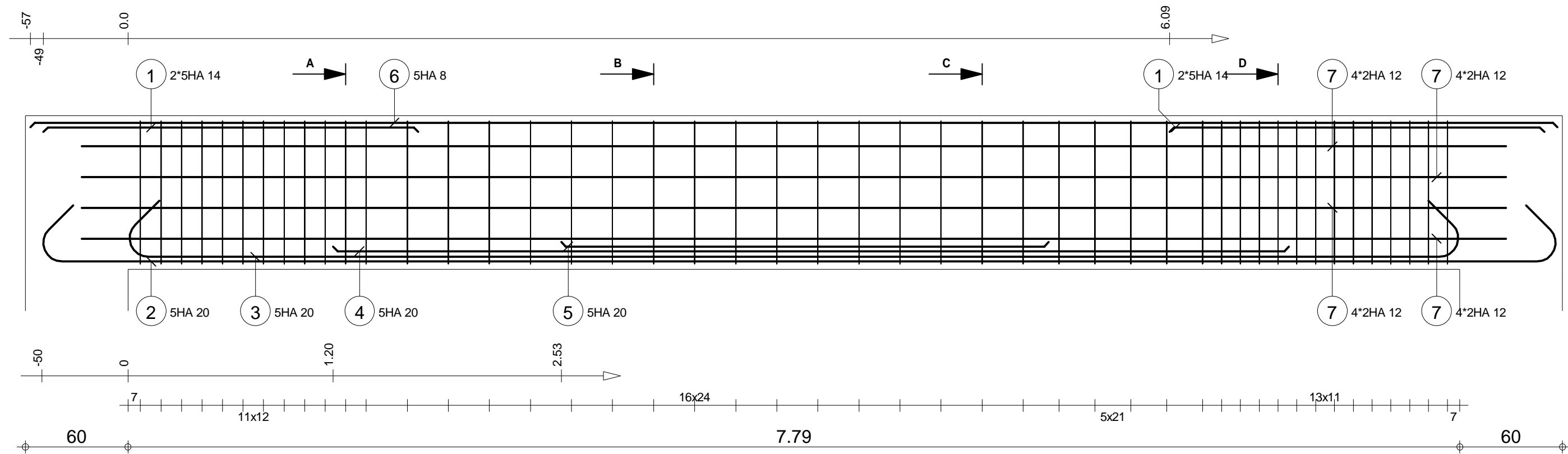


D-D

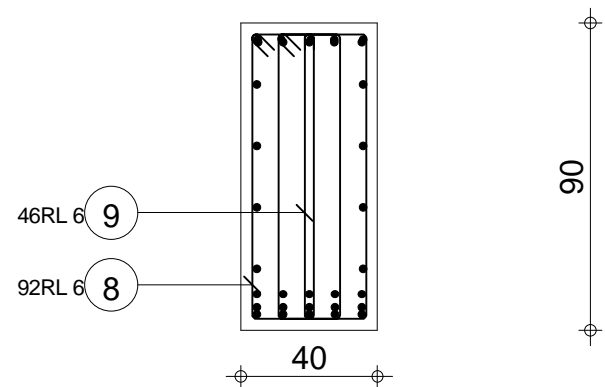


Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme
①	3HA 12	l=3.17	00	④	3HA 12	l=1.76	00	⑦	2*2HA 12	l=5.87	00	⑩	12RL 6	l=1.35	31
②	36RL 6	l=1.36	31	⑤	3HA 8	l=3.23	00	⑧	3HA 8	l=2.34	00	⑪	2*2HA 12	l=2.19	00
③	3HA 12	l=5.08	00	⑥	3HA 8	l=5.47	00	⑨	3HA 12	l=3.22	00				

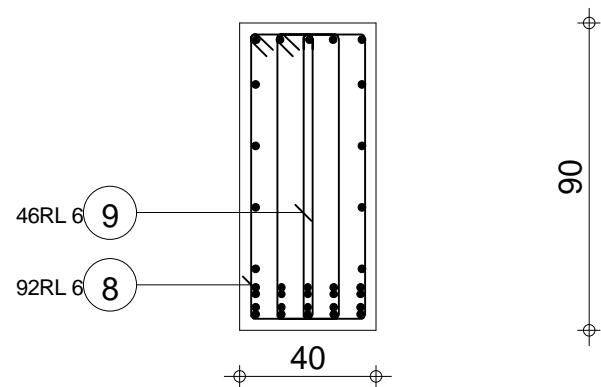
RDC PROJET CERME_PLANS GUIDES		POUTRE 21 Section 20x60		Tél. Fax		Nombre 1		Béton : BETON25 = 1.02 m3		Acier HA 400 = 76.9 kg	
								Enrobage inférieur 3 cm		Acier RL 235 = 14.5 kg	
								Densité = 89.61 kg/ m3		Enrobage supérieur 3 cm	
								Surface du coffrage = 11.9 m2		Enrobage latéral 3 cm	
								Echelle pour la vue 4.28cm/m		Echelle pour la section 6.58cm/m	
										Page 1/1	



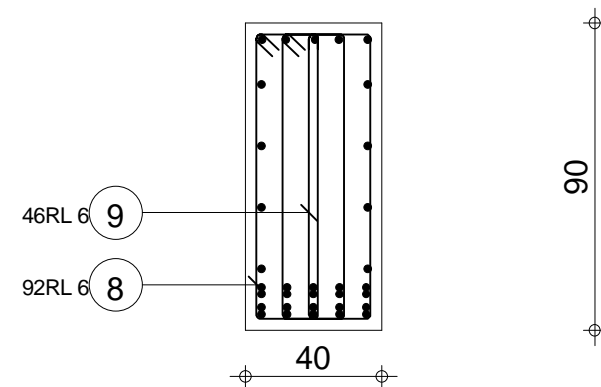
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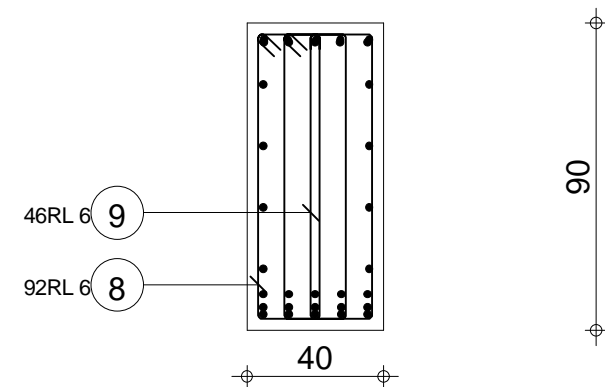
B-B



C-C

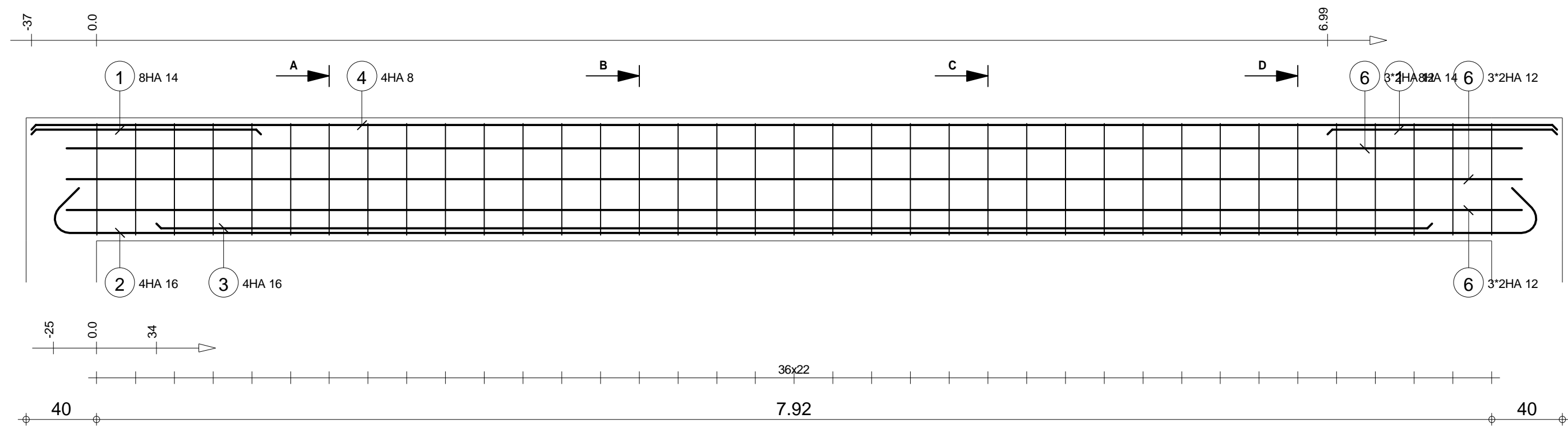


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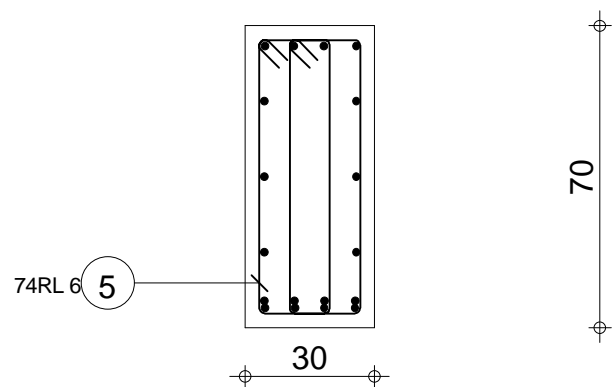


Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme
①	2*5HA 14	l=2.19	00	④	5HA 20	l=5.59	00	⑦	4*2HA 12	l=8.33	00
②	5HA 20	l=9.54	00	⑤	5HA 20	l=2.85	00	⑧	92RL 6	l=2.32	31
③	5HA 20	l=8.46	00	⑥	5HA 8	l=8.93	00	⑨	46RL 6	l=1.80	

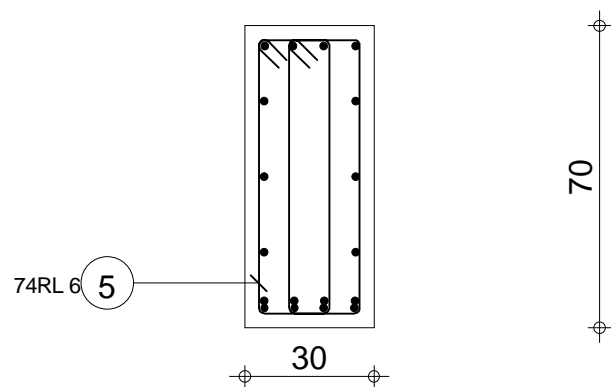
RDC PROJET CERME_PLANS GUIDES		POUTRE 23 Section 40x90		Tél. Fax		Nombre 1		Béton : BETON25 = 3.24 m3		Acier HA 400 = 429 kg	
								Enrobage inférieur 3 cm		Acier RL 235 = 65.7 kg	
								Densité = 152.8 kg/ m3		Enrobage supérieur 3 cm	
								Surface du coffrage = 20 m2		Enrobage latéral 3 cm	
								Echelle pour la vue 4.04cm/m		Page 1/1	
								Echelle pour la section 4.52cm/m			



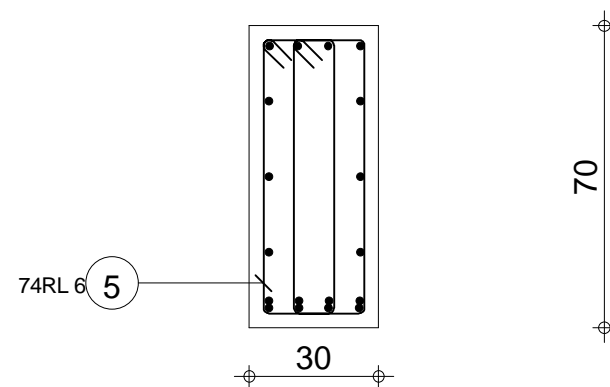
A-A



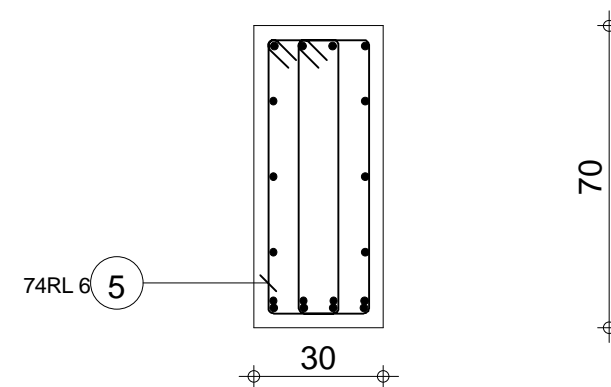
B-B



C-C

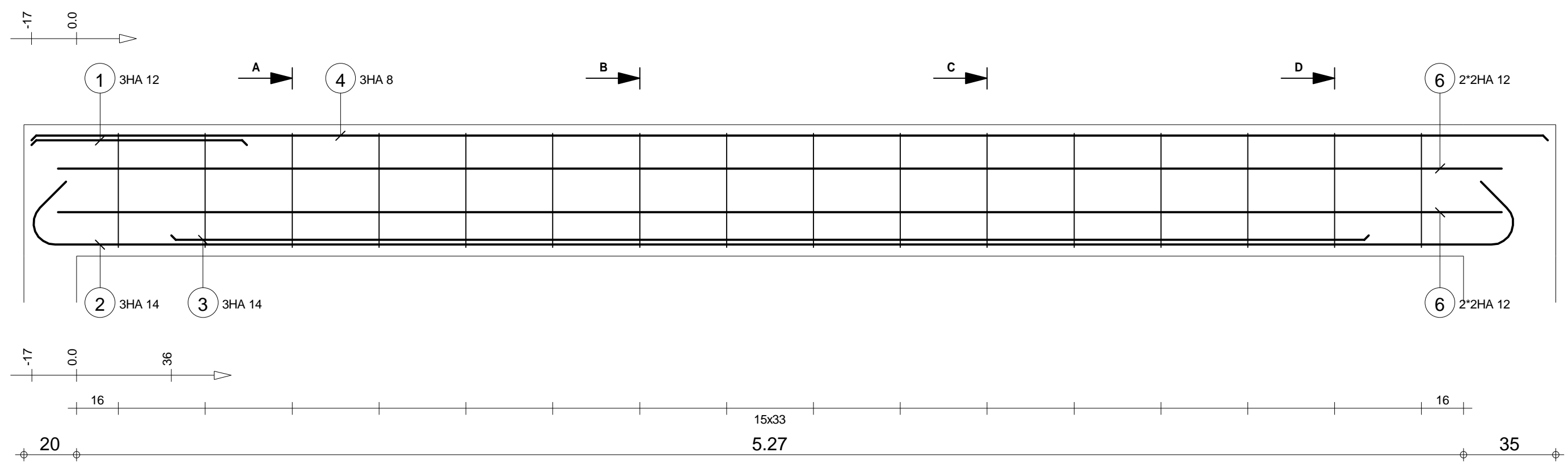


D-D

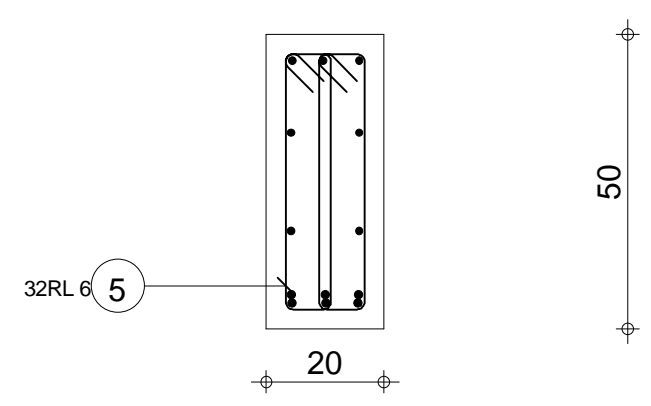


Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme
①	8HA 14	l=1.30	00	④	4HA 8	l=8.66	00
②	4HA 16	l=8.96	00	⑤	74RL 6	l=1.73	31
③	4HA 16	l=7.24	00	⑥	3*2HA 12	l=8.26	00

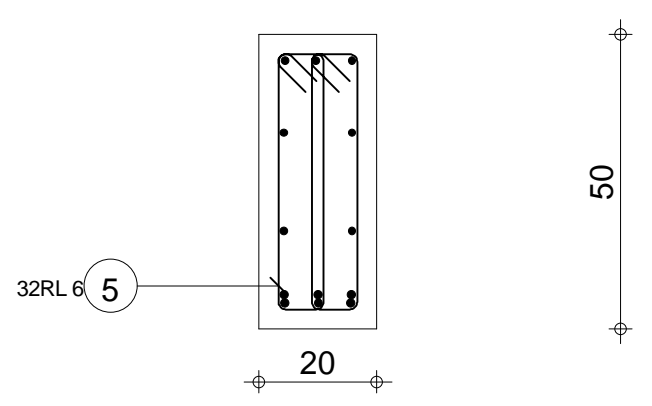
		Tél.	Fax			Acier HA 400 = 173 kg	
RDC PROJET CERME_PLANS GUIDES	POUTRE 24 Section 30x70	Nombre 1	Béton : BETON25 = 1.83 m3		Acier RL 235 = 28.5 kg		
			Enrobage inférieur 3 cm		Enrobage supérieur 3 cm		Enrobage latéral 3 cm
			Densité = 109.8 kg/ m3		Echelle pour la vue 4.16cm/m		Page 1/1
			Surface du coffrage = 15 m2		Echelle pour la section 5.71cm/m		



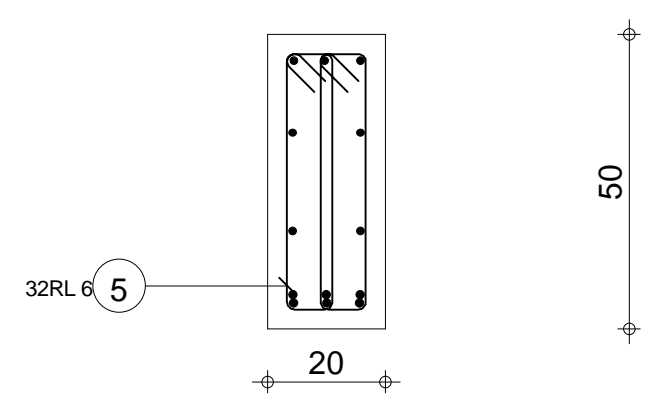
A-A



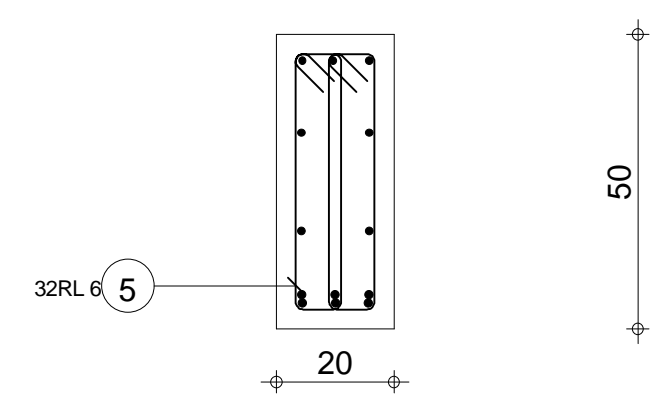
B-B



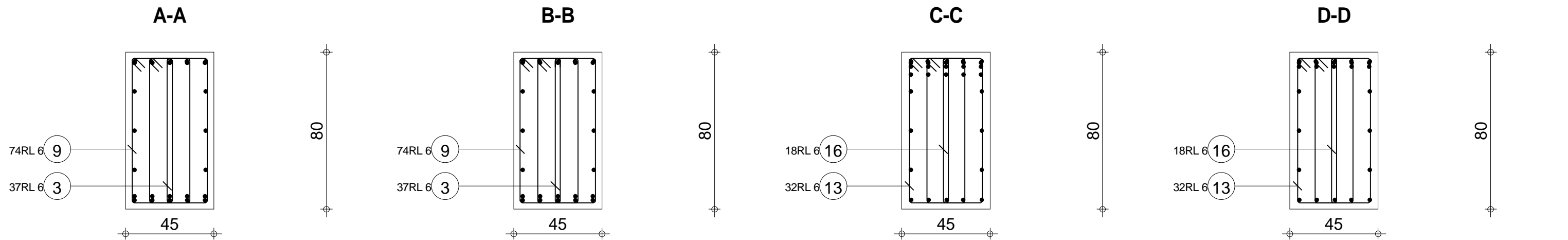
C-C



D-D



Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme
①	3HA 12	l=82	00	④	3HA 8	l=5.76	00
②	3HA 14	l=6.12	00	⑤	32RL 6	l=1.16	31
③	3HA 14	l=4.55	00	⑥	2*2HA 12	l=5.48	00



Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme
(1)	5HA 20 l=2.16	00		(4)	3*2HA 12 l=8.26	00		(7)	5HA 8 l=4.47	00		(10)	5HA 20 l=5.73	00		(13)	32RL 6 l=2.17	31	
(2)	5HA 20 l=11.24	00		(5)	5HA 20 l=8.72	00		(8)	5HA 8 l=8.47	00		(11)	5HA 20 l=2.28	00		(14)	3RL 6 l=2.20	31	
(3)	37RL 6 l=1.60			(6)	5HA 20 l=8.92	00		(9)	74RL 6 l=2.20	31		(12)	5HA 8 l=4.13	00		(15)	1RL 6 l=2.18	31	

Tél.
Fax

RDC

PROJET CERME_PLANS GUIDES

POUTRE 26

Section 45x80

Nombre 1

Béton : BETON25 = 4.58 m3

Densité = 142.8 kg/ m3

Surface du coffrage = 26.4 m2

Acier HA 400 = 581 kg

Acier RL 235 = 72.9 kg

Echelle pour la vue 2.89cm/m



Echelle pour la section 5.05cm/m

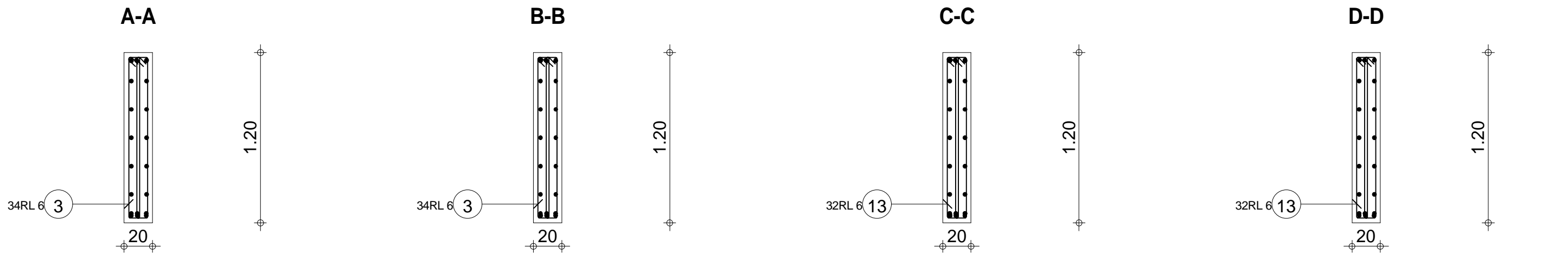
Enrobage inférieur 3 cm

Enrobage supérieur 3 cm

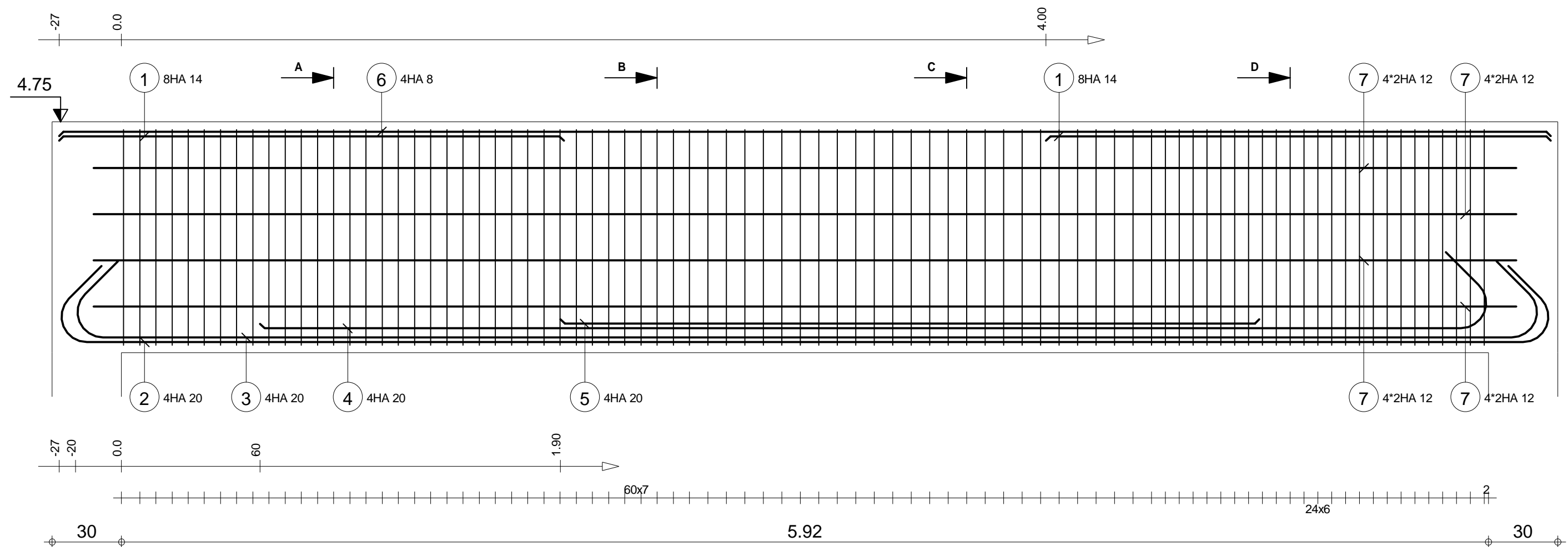
Enrobage latéral 3 cm

Page 1/2

Pos.	Armature	Code	Forme
16	18RL 6 l=1.60		
17	3*2HA 12 l=4.13	00	



Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme				
①	3HA 14	l=1.97	00	④	5*2HA 12	l=5.87	00	⑦	3HA 14	l=5.04	00	⑩	3HA 14	l=4.60	00	⑬	32RL 6	l=2.56	31				
②	3HA 14	l=5.70	00	⑤	3HA 14	l=5.09	00	⑧	3HA 8	l=6.02	00	⑪	3HA 14	l=4.59	00	⑭	5*2HA 12	l=5.55	00				
③	34RL 6	l=2.56	31	⑥	6HA 14	l=3.23	00	⑨	3HA 14	l=2.00	00	⑫	3HA 8	l=6.02	00								
Tél.												Fax											
RDC PROJET CERME_PLANS GUIDES				POUTRE 27 Section 20x120								Béton : BETON25 = 2.84 m3				Acier HA 400 = 244 kg							
												Enrobage inférieur 3 cm				Enrobage supérieur 3 cm				Enrobage latéral 3 cm			
												Densité = 99.3 kg/ m3				Echelle pour la vue 3.1cm/m				Page 1/1			
												Surface du coffrage = 31 m2				Echelle pour la section 3.46cm/m							

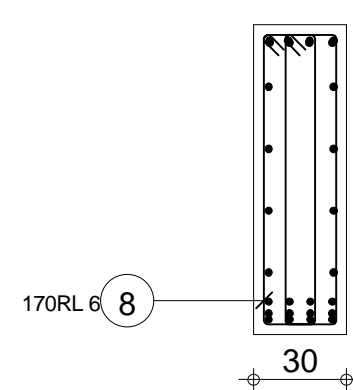
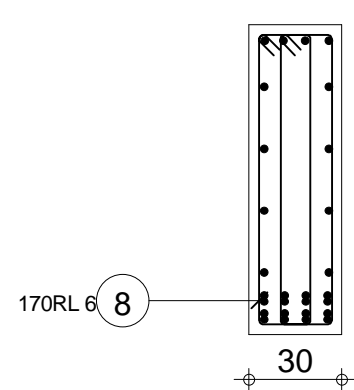
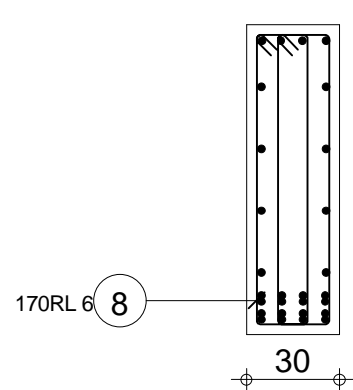
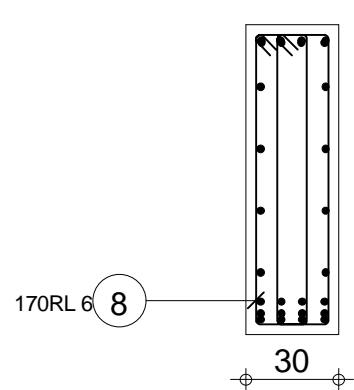


A-A

B-B

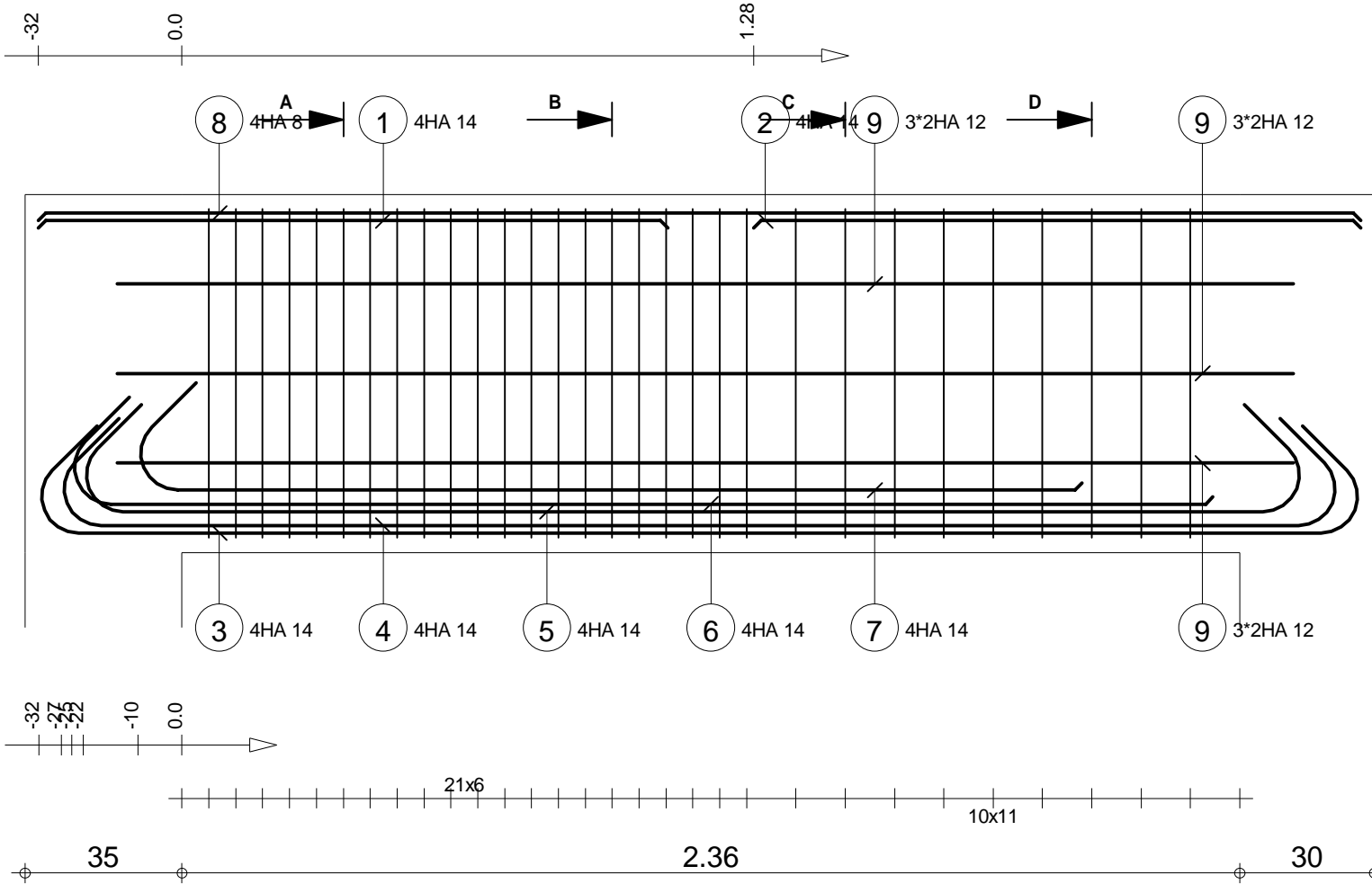
C-C

D-D

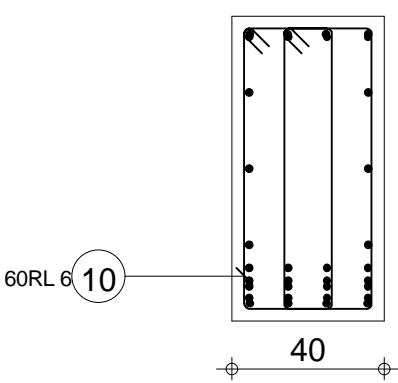


Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme
①	8HA 14	l=2.19	00	④	4HA 20	l=5.66	00	⑦	4*2HA 12	l=6.16	00
②	4HA 20	l=7.14	00	⑤	4HA 20	l=3.02	00	⑧	170RL 6	l=2.34	31
③	4HA 20	l=7.02	00	⑥	4HA 8	l=6.46	00				

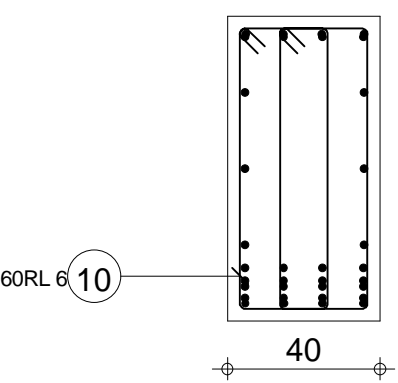
RDC PROJET CERME_PLANS GUIDES		POUTRE 28 Section 30x100		Nombre 1		Béton : BETON25 = 1.96 m3		Acier HA 400 = 300 kg	
						Enrobage inférieur 3 cm		Acier RL 235 = 88.1 kg	
						Densité = 198 kg/ m3		Enrobage supérieur 3 cm	
						Surface du coffrage = 15.4 m2		Enrobage latéral 3 cm	
						Echelle pour la vue 5.51 cm/m		Echelle pour la section 4.1 cm/m	
								Page 1/1	



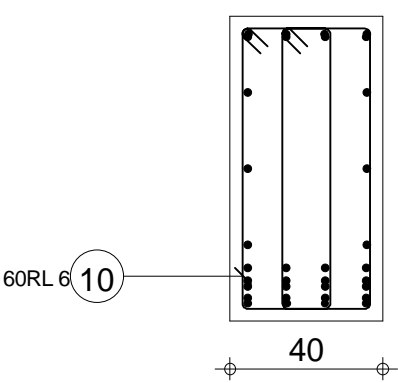
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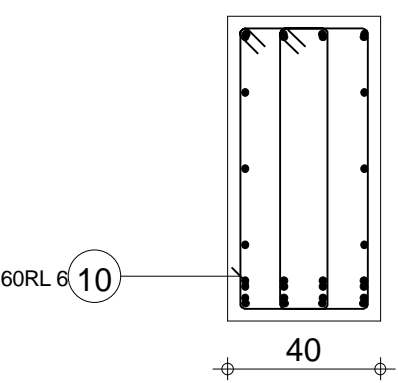
B-B



C-C

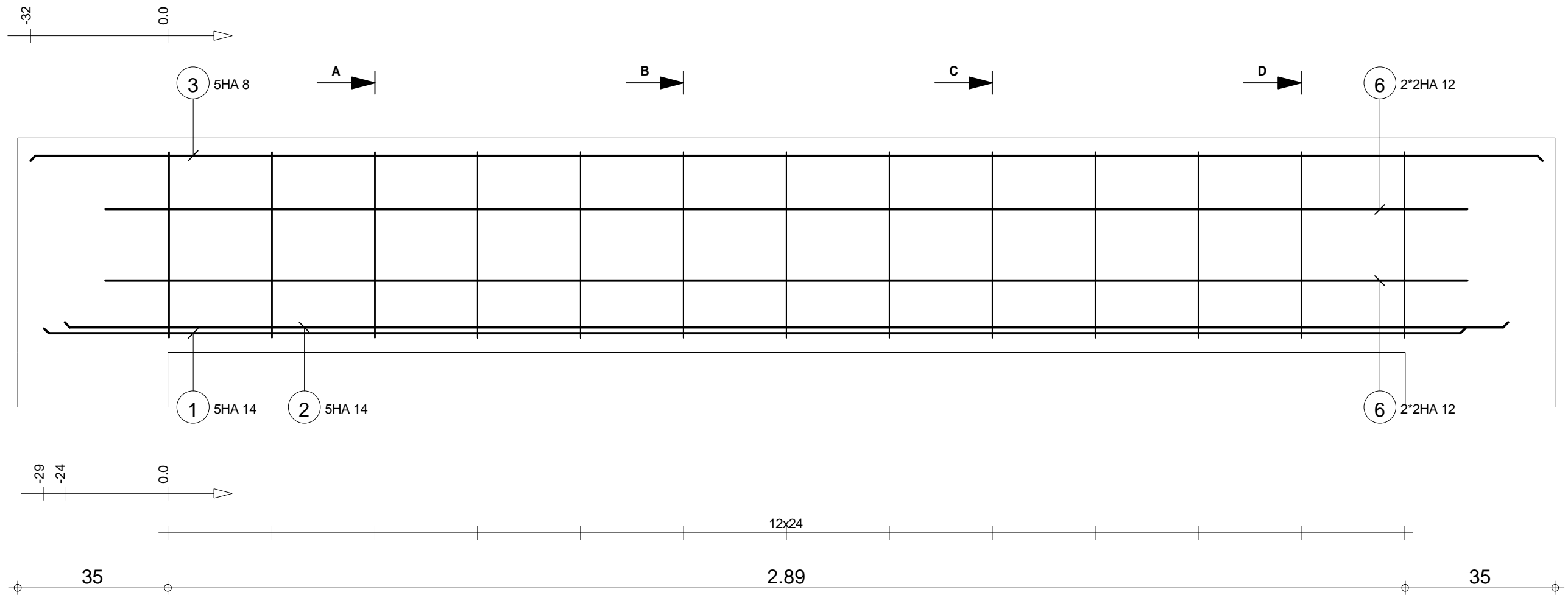


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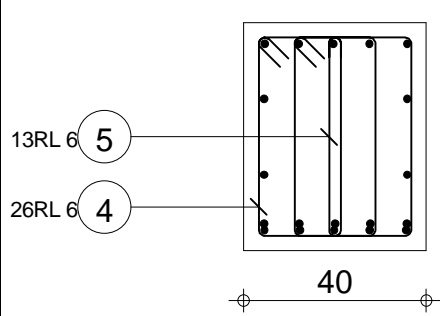


Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme				
①	4HA 14	l=1.40	00	1.40	④	4HA 14	l=3.34	00	2.85	⑦	4HA 14	l=2.35	00	2.11	⑩	60RL 6	l=2.06	31	24 8
②	4HA 14	l=1.35	00	1.35	⑤	4HA 14	l=3.21	00	2.72	⑧	4HA 8	l=2.95	00	2.95					
③	4HA 14	l=3.44	00	2.95	⑥	4HA 14	l=2.79	00	2.55	⑨	3*2HA 12	l=2.63	00	2.63					

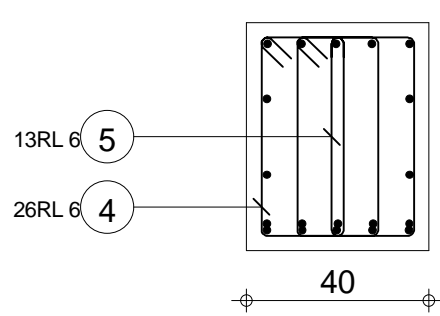
RDC PROJET CERME_PLANS GUIDES				POUTRE 29 Section 40x80				Nombre 1		Béton : BETON25 = 0.963 m3		Acier HA 400 = 105 kg	
										Enrobage inférieur 3 cm		Acier RL 235 = 27.5 kg	
										Densité = 138.1 kg/ m3		Enrobage supérieur 3 cm	
										Surface du coffrage = 6.4 m2		Enrobage latéral 3 cm	
										Echelle pour la vue 6.6cm/m		Echelle pour la section 5.05cm/m	
												Page 1/1	



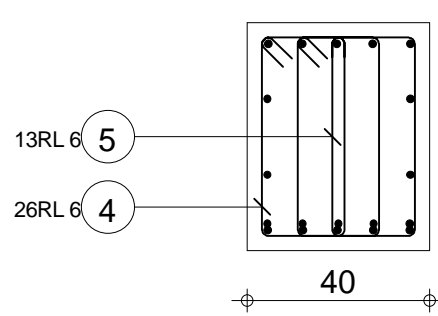
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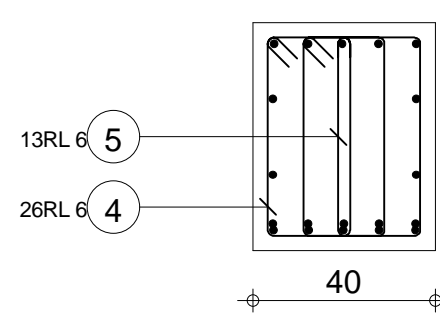
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C-C

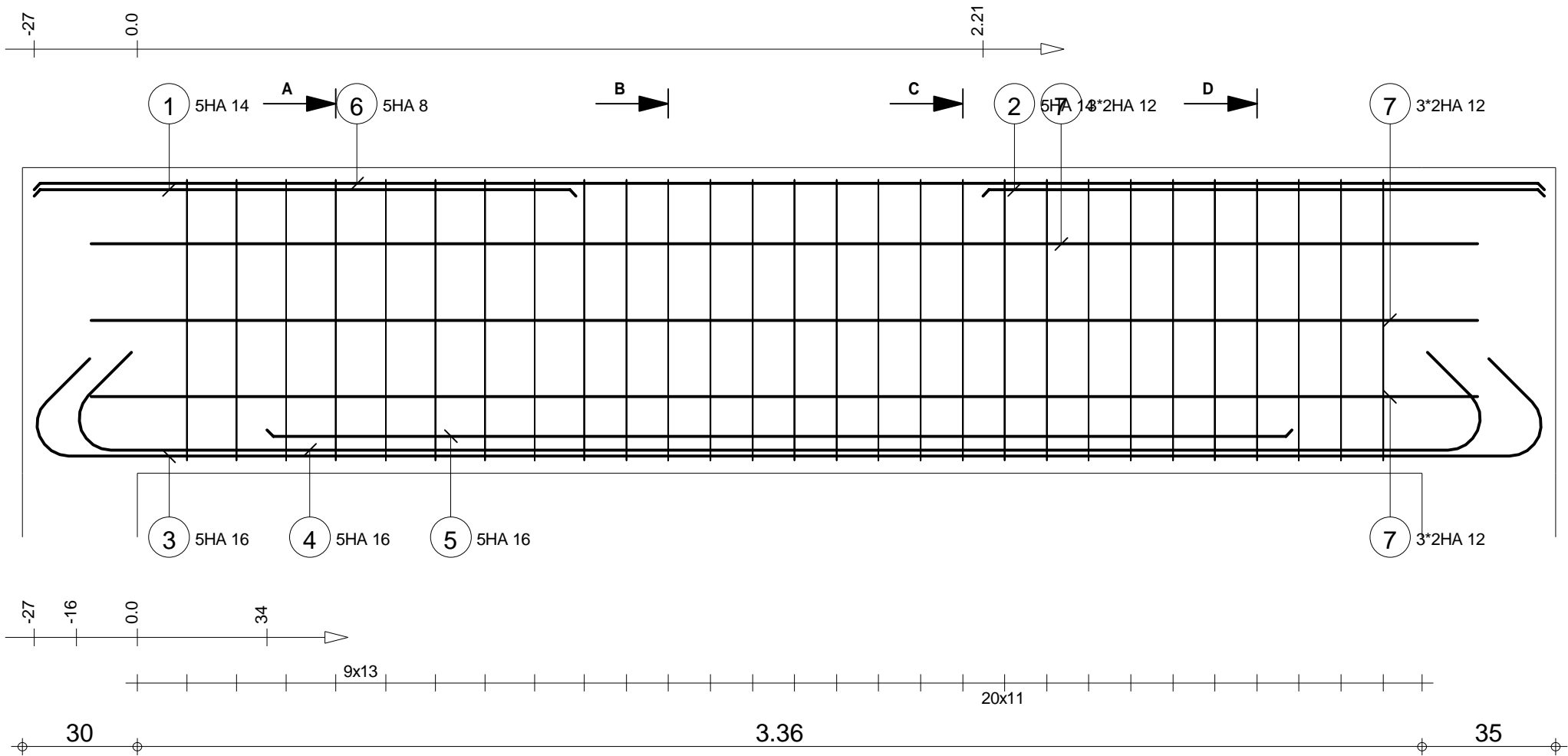


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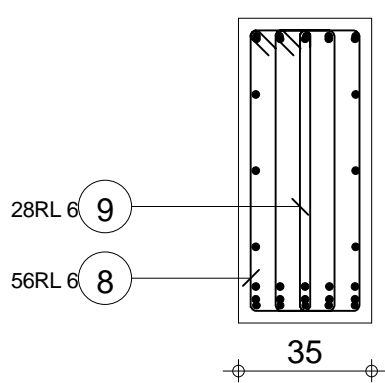


Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme
①	5HA 14	l=3.31	00	④	26RL 6	l=1.52	31
②	5HA 14	l=3.37	00	⑤	13RL 6	l=100	
③	5HA 8	l=3.53	00	⑥	2*2HA 12	l=3.18	00

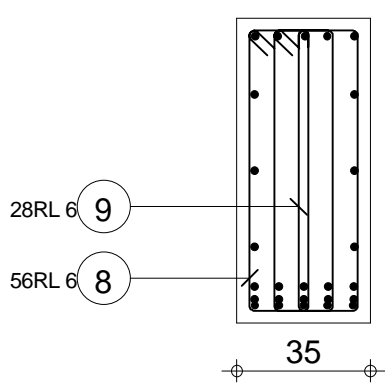
RDC PROJET CERME_PLANS GUIDES		POUTRE 30 Section 40x50		Nombre 1		Béton : BETON25 = 0.717 m3		Acier HA 400 = 58.6 kg	
						Enrobage inférieur 3 cm		Acier RL 235 = 11.6 kg	
						Densité = 97.91 kg/ m3		Enrobage supérieur 3 cm	
						Surface du coffrage = 5.14 m2		Enrobage latéral 3 cm	
						Echelle pour la vue 9.33cm/m		Echelle pour la section 6.05cm/m	
								Page 1/1	



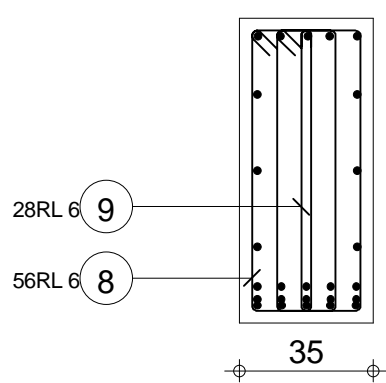
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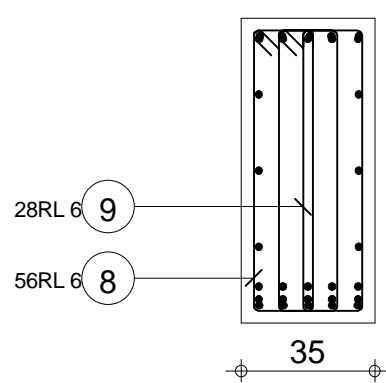
B-B



C-C

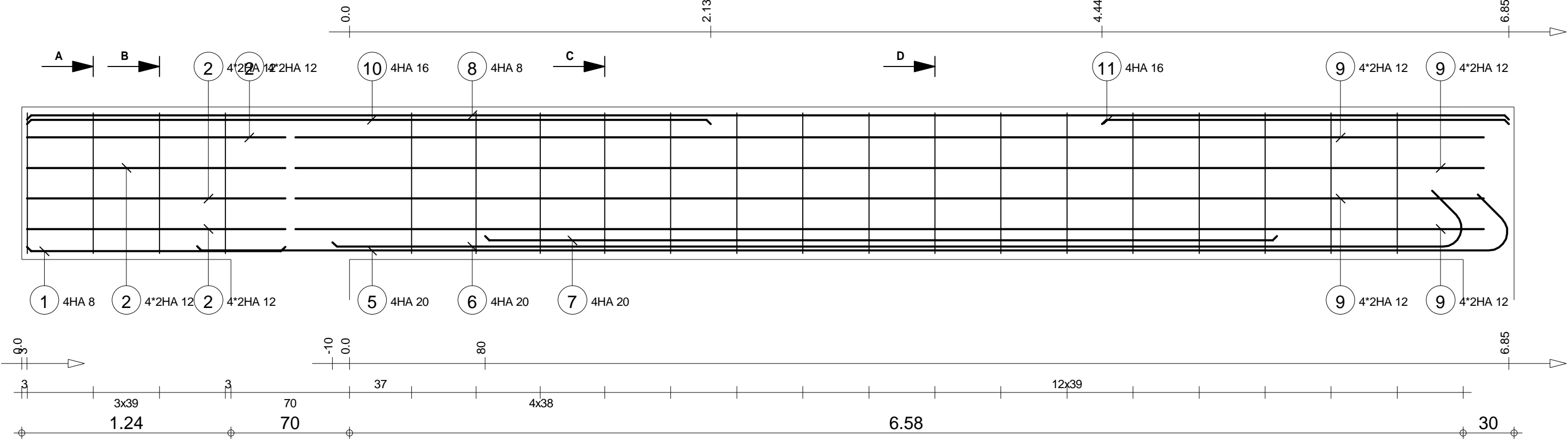


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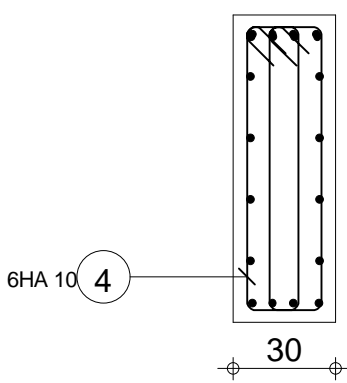


Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme
①	5HA 14	l=1.42	00	④	5HA 16	l=4.21	00	⑦	3*2HA 12	l=3.63	00
②	5HA 14	l=1.47	00	⑤	5HA 16	l=2.68	00	⑧	56RL 6	l=2.04	31
③	5HA 16	l=4.48	00	⑥	5HA 8	l=3.95	00	⑨	28RL 6	l=1.60	

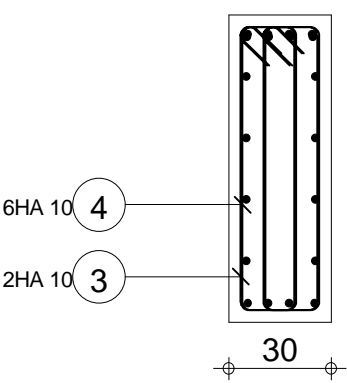
RDC				POUTRE 31				Nombre 1				Béton : BETON25 = 1.12 m3		Acier HA 400 = 134 kg	
PROJET CERME_PLANS GUIDES				Section 35x80								Enrobage inférieur 3 cm		Enrobage supérieur 3 cm	
												Densité = 151.8 kg/ m3		Echelle pour la vue 6.6cm/m	
												Surface du coffrage = 8.16 m2		Echelle pour la section 5.05cm/m	
														Page 1/1	



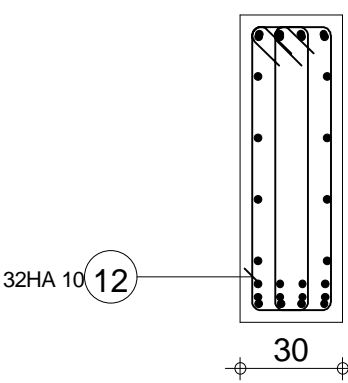
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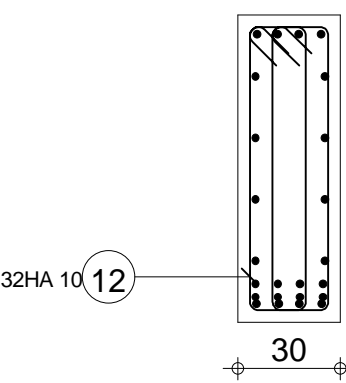
B-B



C-C



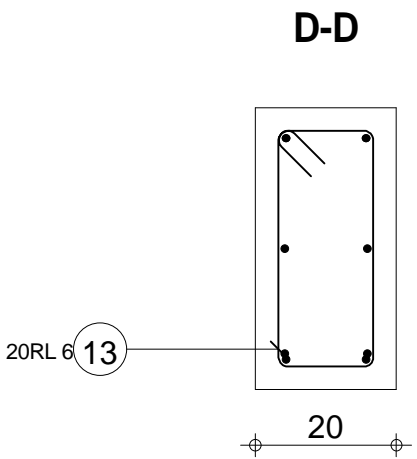
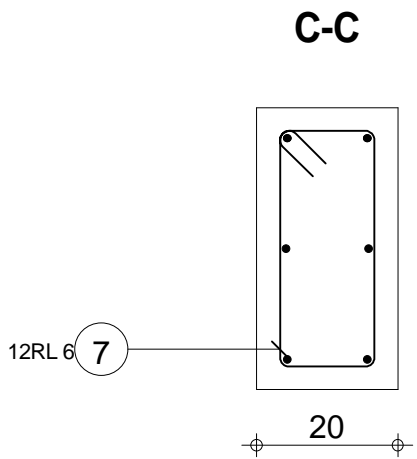
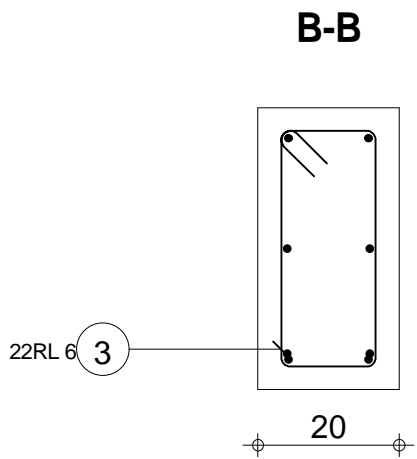
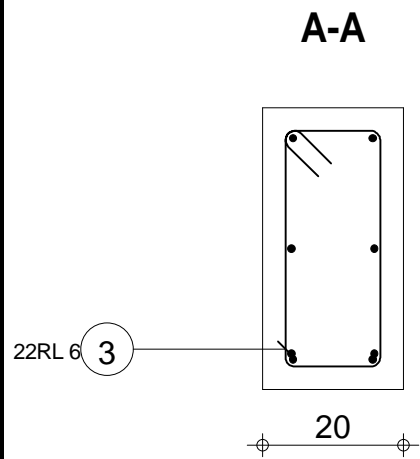
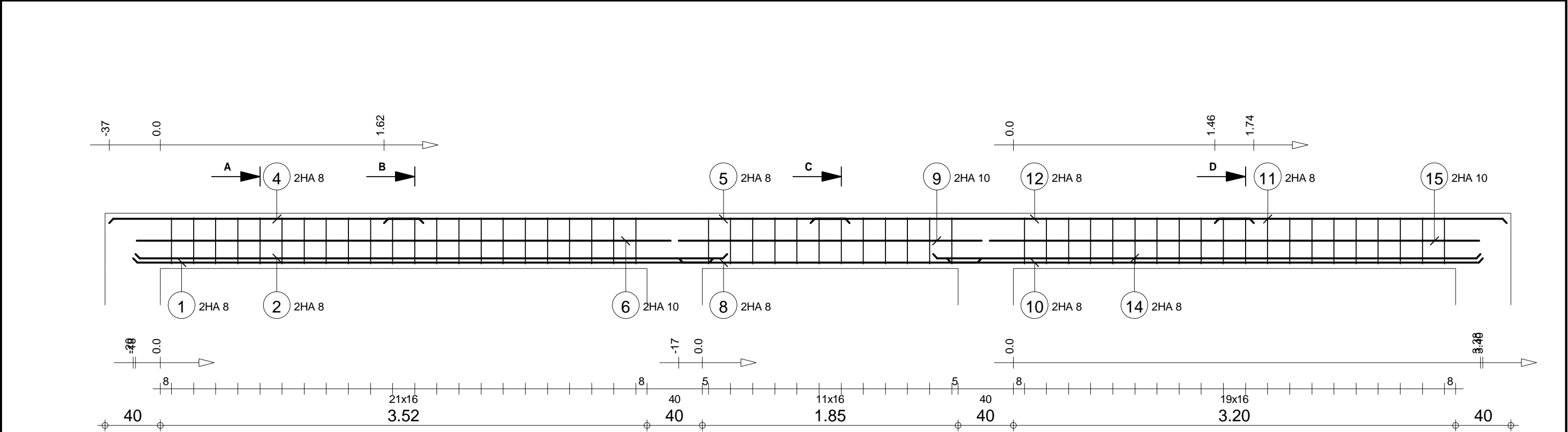
D-D



Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme
①	4HA 8	l=1.53	00	④	6HA 10	l=2.20	31	⑦	4HA 20	l=4.68	00	⑩	4HA 16	l=4.04	00
②	4*2HA 12	l=1.53	00	⑤	4HA 20	l=8.09	00	⑧	4HA 8	l=8.75	00	⑪	4HA 16	l=2.40	00
③	2HA 10	l=2.22	31	⑥	4HA 20	l=7.02	00	⑨	4*2HA 12	l=7.02	00	⑫	32HA 10	l=2.22	31






RDC PROJET CERME_PLANS GUIDES		POUTRE 32 Section 30x90		Tél. Fax		Nombre 1		Béton : BETON25 = 2.38 m3		Acier HA 400 = 313 kg	
								Enrobage inférieur 3 cm		Acier HA 400 = 54.7 kg	
								Densité = 154.2 kg/ m3		Enrobage supérieur 3 cm	
								Surface du coffrage = 18.7 m2		Enrobage latéral 3 cm	
								Echelle pour la vue 4.12cm/m		Echelle pour la section 4.52cm/m	
										Page 1/1	

		Tél.	Fax			
RDC PROJET CERME_PLANS GUIDES	POUTRE 34 Section 20x80	Nombre 1	Béton : BETON25 = 0.723 m3		Acier HA 400 = 50.4 kg Acier RL 235 = 9.37 kg	
			Enrobage inférieur 3 cm		Enrobage supérieur 3 cm Enrobage latéral 3 cm	
			Densité = 82.71 kg/ m3 Surface du coffrage = 8.3 m2		Echelle pour la vue 6.6cm/m Echelle pour la section 5.05cm/m	
					Page 1/1	

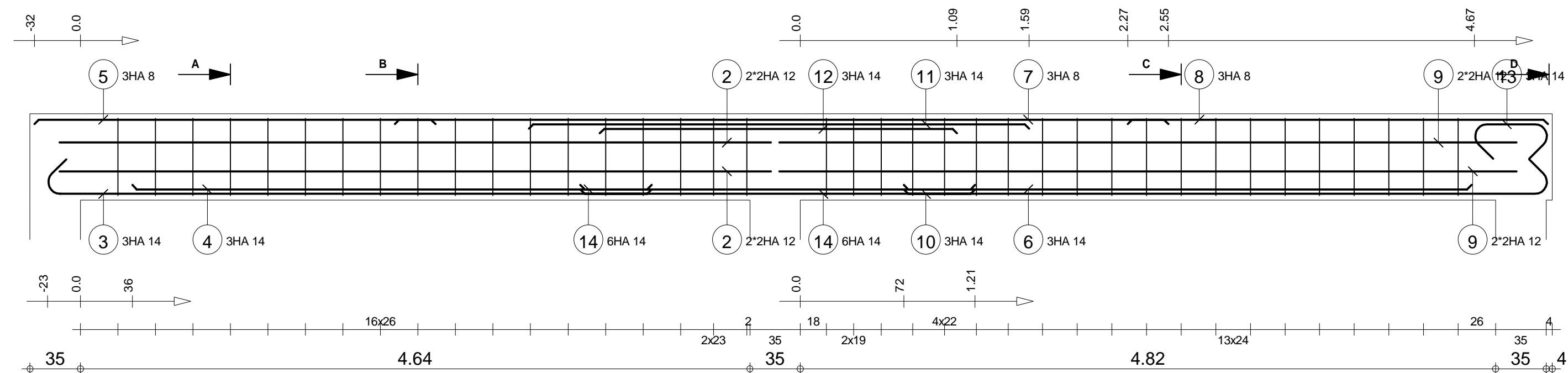


Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme					
①	2HA 8	l=4.20	00		④	2HA 8	l=2.27	00		⑦	12RL 6	l=1.08	31		⑩	2HA 8	l=3.88	00		⑬	20RL 6	l=1.08	31	
②	2HA 8	l=4.28	00		⑤	2HA 8	l=3.37	00		⑧	2HA 8	l=2.19	00		⑪	2HA 8	l=2.11	00		⑭	2HA 8	l=3.96	00	
③	22RL 6	l=1.08	31		⑥	2HA 10	l=3.86	00		⑨	2HA 10	l=2.19	00		⑫	2HA 8	l=3.21	00		⑮	2HA 10	l=3.54	00	

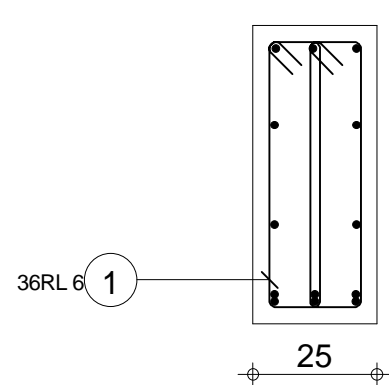
RDC PROJET CERME_PLANS GUIDES	POUTRE 35 Section 20x40	Nombre 1	Tél.	Fax	Béton : BETON25 = 0.814 m3		Acier HA 400 = 35.1 kg	
			Enrobage inférieur 3 cm		Enrobage supérieur 3 cm		Enrobage latéral 3 cm	
			Densité = 58.97 kg/ m3		Echelle pour la vue 3.58cm/m		Page 1/1	
			Surface du coffrage = 10 m2		Echelle pour la section 9.34cm/m			

Pos.	Armature	Code	Forme
16	26RL 6 l=1.41	31	
17	3HA 8 l=2.62	00	
18	2*2HA 12 l=3.38	00	
19	6RL 6 l=1.41	31	
20	2*2HA 12 l=73	00	

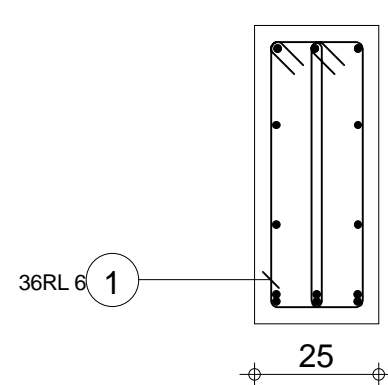
		Tél.	Fax		
RDC PROJET CERME_PLANS GUIDES	POUTRE PG1 Section 25x60	Nombre 1	Béton : BETON25 = 1.79 m3		Acier HA 400 = 172 kg
			Enrobage inférieur 3 cm		Acier RL 235 = 26.3 kg
			Enrobage supérieur 3 cm		Enrobage latéral 3 cm
			Densité = 111.2 kg/ m3 Surface du coffrage = 17.2 m2		Page 2/2



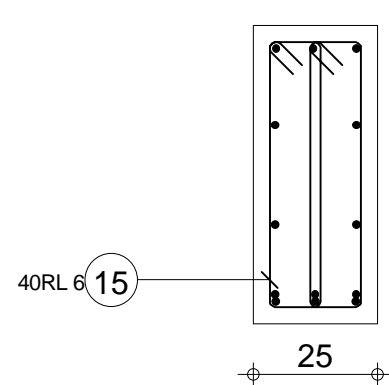
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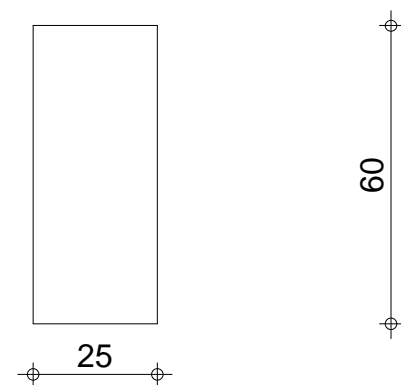
B-B



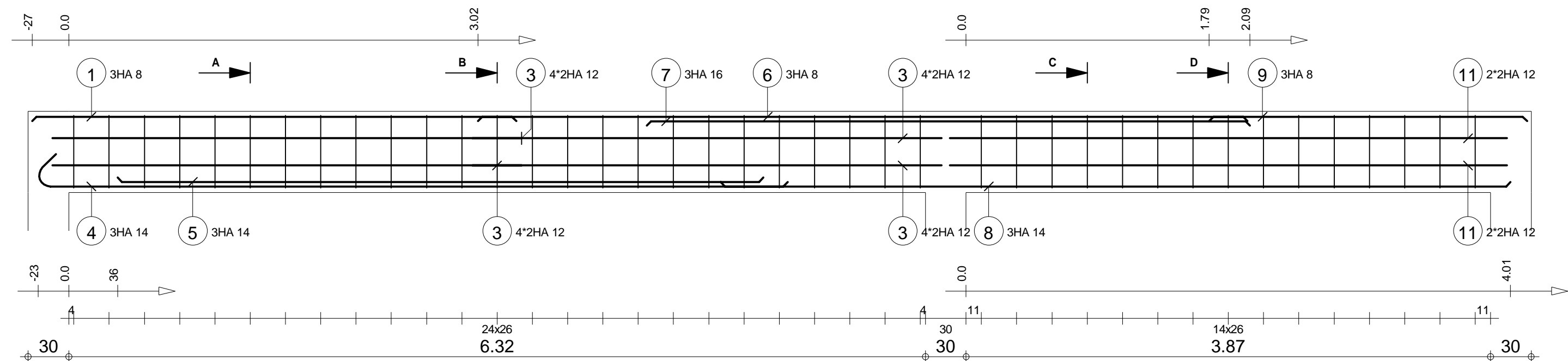
C-C



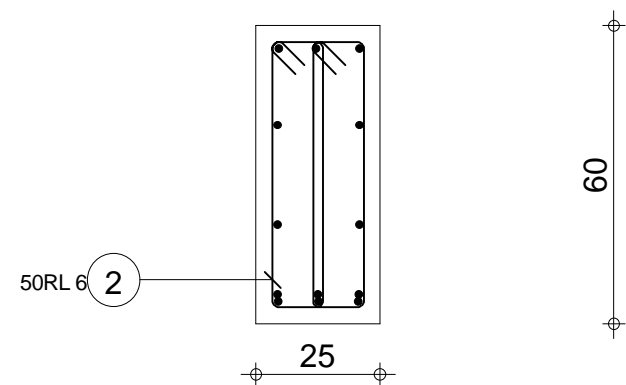
D-D



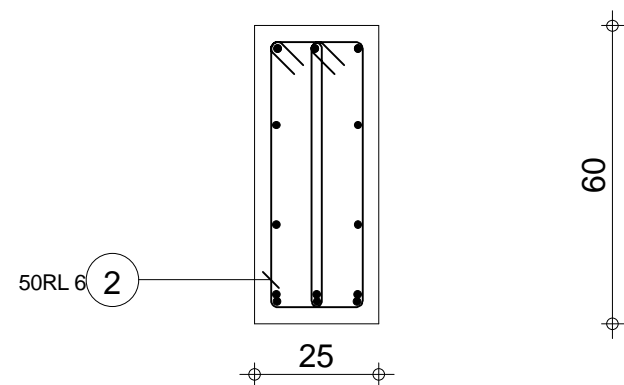
Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme
①	36RL 6	l=1.41	31	④	3HA 14	l=3.60	00	⑦	3HA 8	l=5.36	00	⑩	3HA 14	l=4.71	00	⑬	3HA 14	l=100	00
②	2*2HA 12	l=4.93	00	⑤	3HA 8	l=2.78	00	⑧	3HA 8	l=2.91	00	⑪	3HA 14	l=3.47	00	⑭	6HA 14	l=2.74	00
③	3HA 14	l=4.43	00	⑥	3HA 14	l=3.94	00	⑨	2*2HA 12	l=5.11	00	⑫	3HA 14	l=2.48	00	⑮	40RL 6	l=1.41	31
RDC										POUTRE PG2									
PROJET CERME_PLANS GUIDES										Section 25x60									
Tél.										Fax									
Nombre 1																			
										Béton : BETON25 = 1.58 m3					Acier HA 400 = 154 kg				
										Enrobage inférieur 3 cm					Acier RL 235 = 23.8 kg				
										Densité = 112.7 kg/ m3					Enrobage supérieur 3 cm				
										Surface du coffrage = 15.3 m2					Enrobage latéral 3 cm				
															Echelle pour la vue 3.46cm/m				
															Echelle pour la section 6.58cm/m				
															Page 1/1				



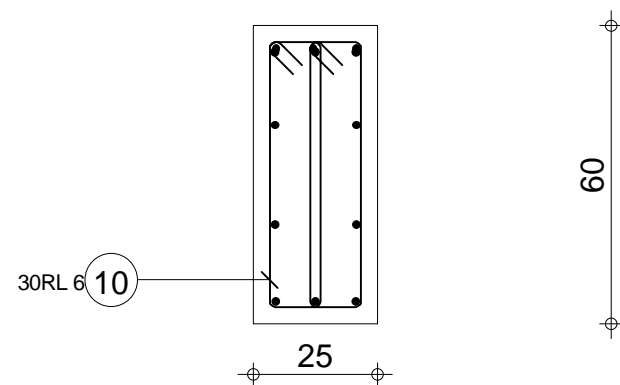
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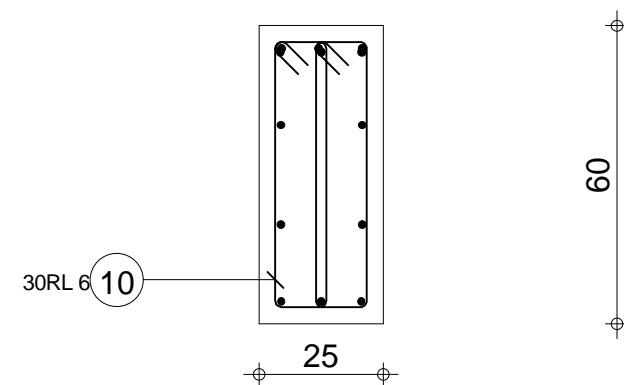
B-B



C-C

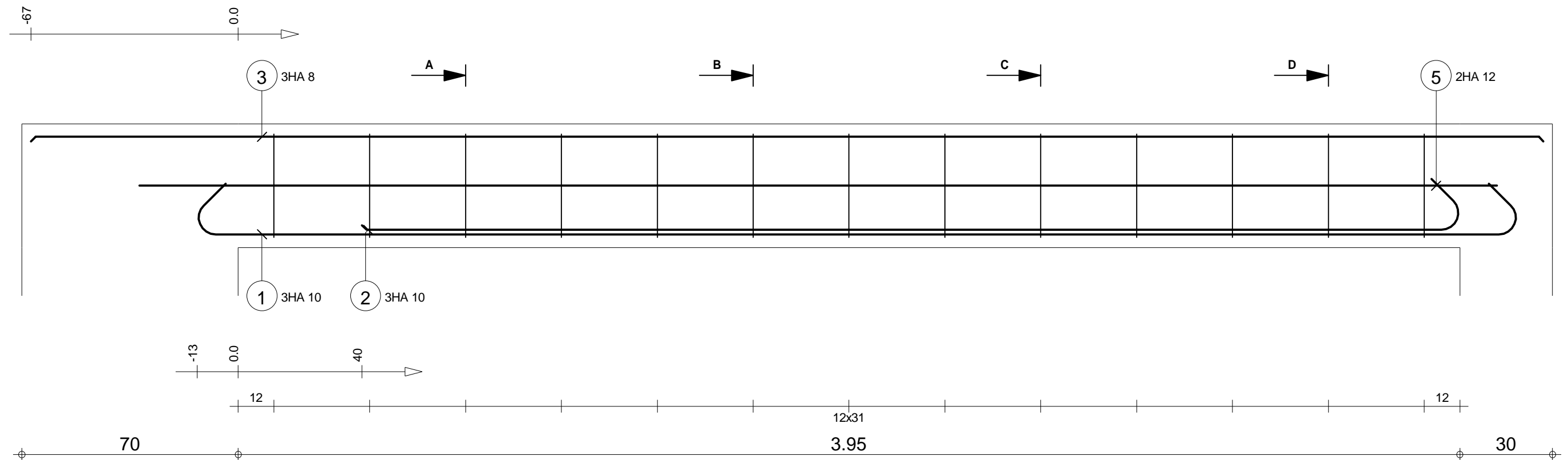


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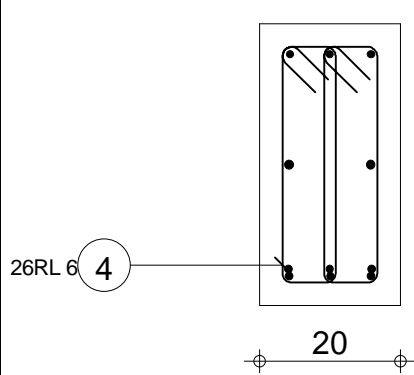


Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme
①	3HA 8	l=3.57	00	④	3HA 14	l=5.77	00	⑦	3HA 16	l=4.45	00	⑩	30RL 6	l=1.41	31
②	50RL 6	l=1.41	31	⑤	3HA 14	l=4.76	00	⑧	3HA 14	l=5.82	00	⑪	2*2HA 12	l=4.11	00
③	4*2HA 12	l=3.46	00	⑥	3HA 8	l=5.67	00	⑨	3HA 8	l=2.34	00				

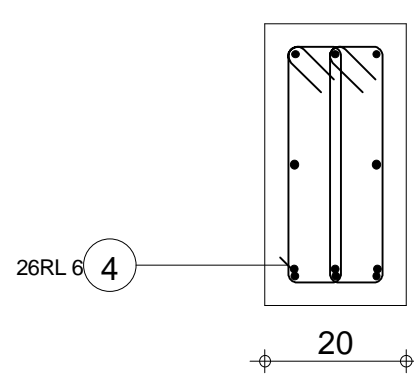
RDC PROJET CERME_PLANS GUIDES		POUTRE PG4 Section 25x60		Nombre 1		Béton : BETON25 = 1.66 m3		Acier HA 400 = 133 kg	
						Enrobage inférieur 3 cm		Acier RL 235 = 25 kg	
						Densité = 95.18 kg/ m3		Enrobage supérieur 3 cm	
						Surface du coffrage = 16.1 m2		Enrobage latéral 3 cm	
						Echelle pour la vue 3.3cm/m		Echelle pour la section 6.58cm/m	
								Page 1/1	



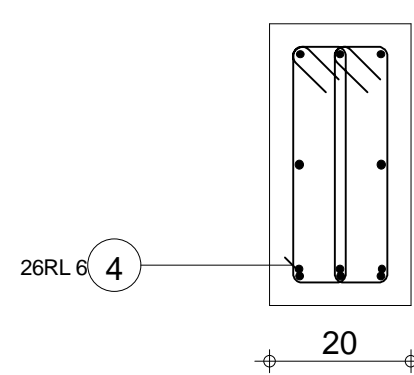
A-A



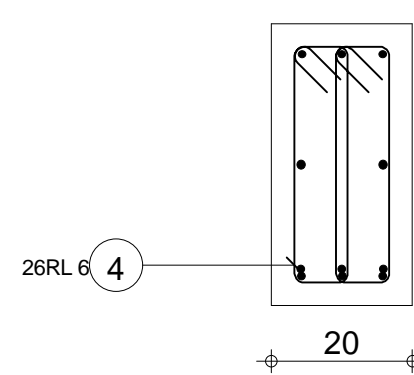
B-B



C-C

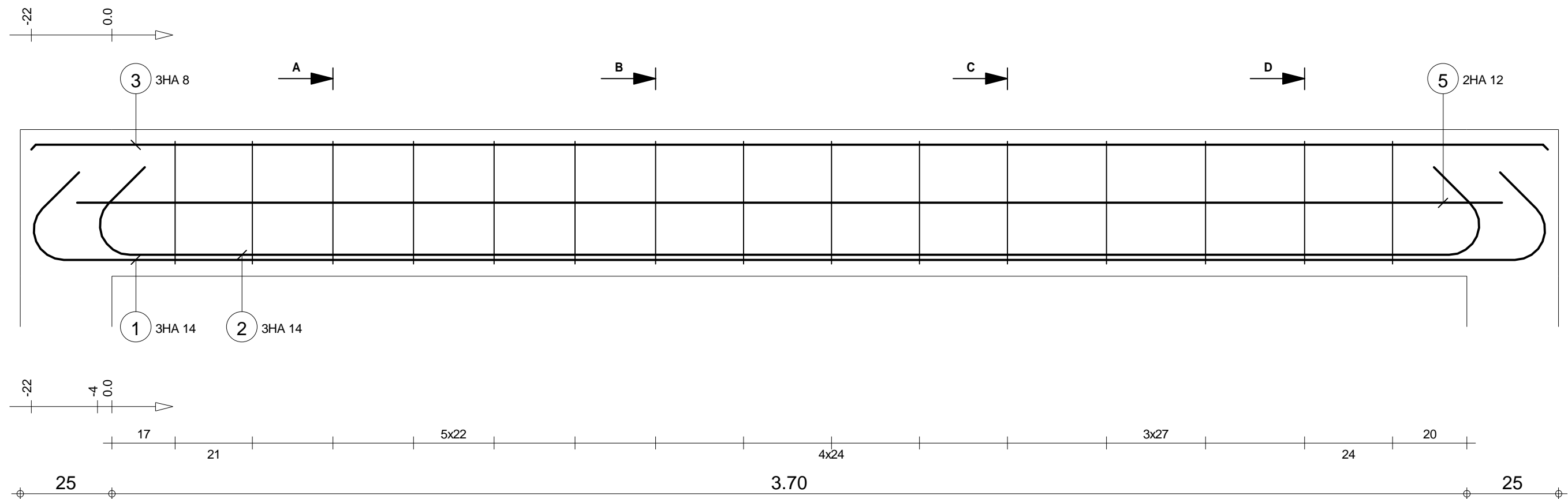


D-D

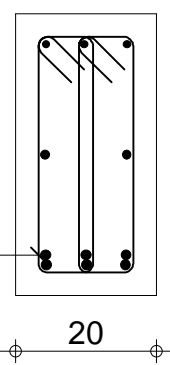


Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme
①	3HA 10	l=4.61	00	④	26RL 6	l=96	31
②	3HA 10	l=3.72	00	⑤	2HA 12	l=4.39	00
③	3HA 8	l=4.89	00				

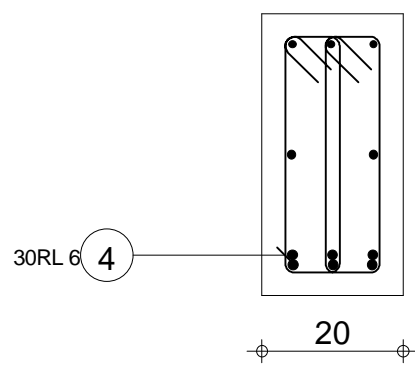
RDC		POUTRE PG5		Nombre 1		Béton : BETON25 = 0.396 m3		Acier HA 400 = 29 kg	
PROJET CERME_PLANS GUIDES		Section 20x40				Enrobage inférieur 3 cm		Enrobage supérieur 3 cm	
						Densité = 87.12 kg/ m3		Echelle pour la vue 7.18cm/m	
						Surface du coffrage = 4.91 m2		Echelle pour la section 9.34cm/m	
								Page 1/1	



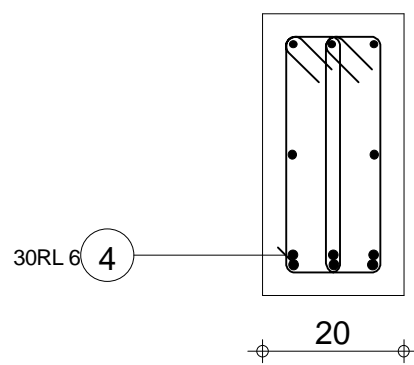
A-A



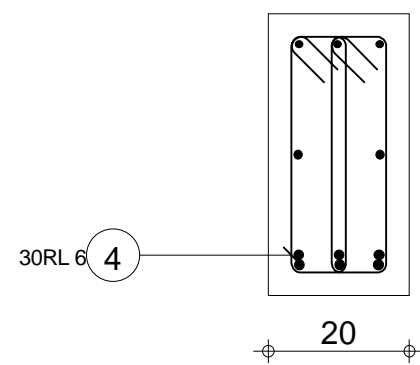
B-B



C-C

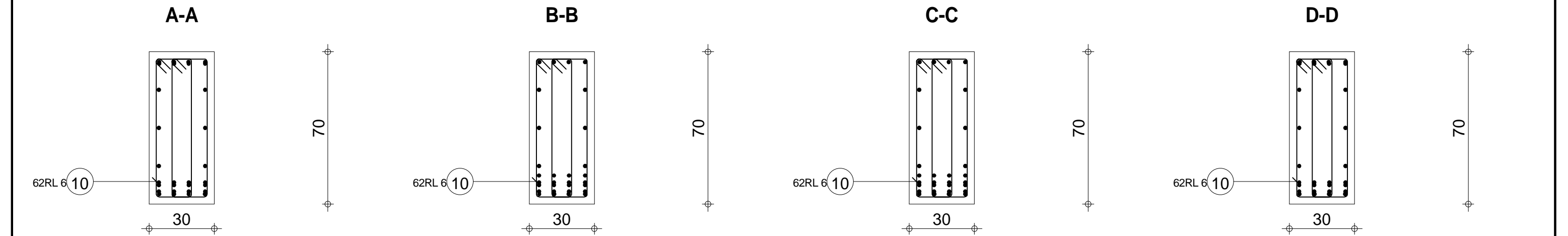
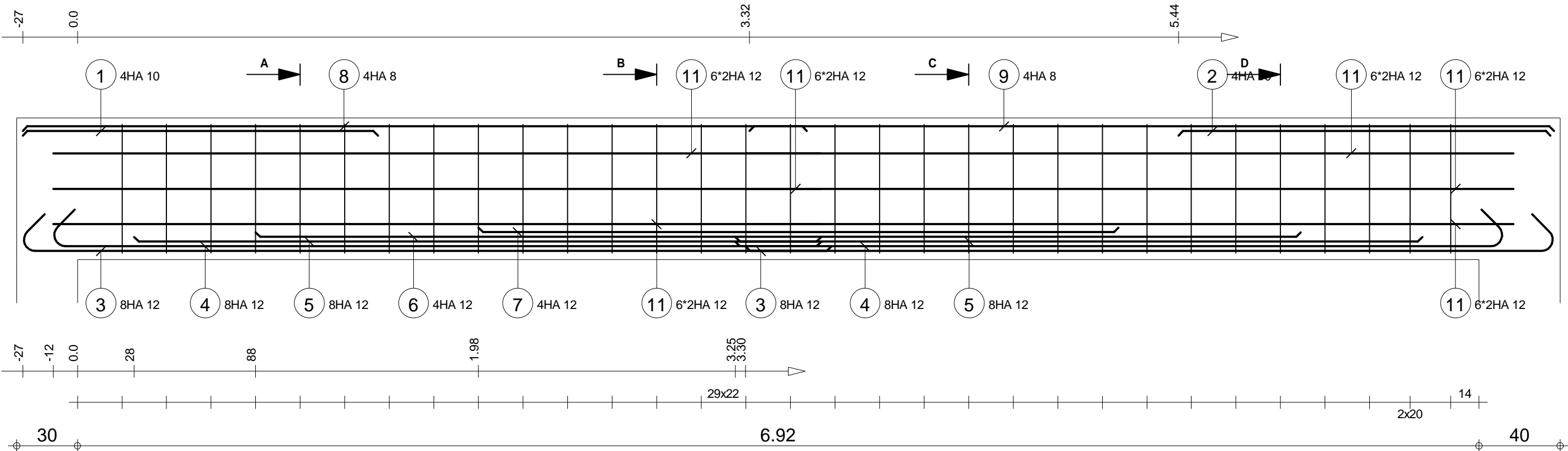


D-D



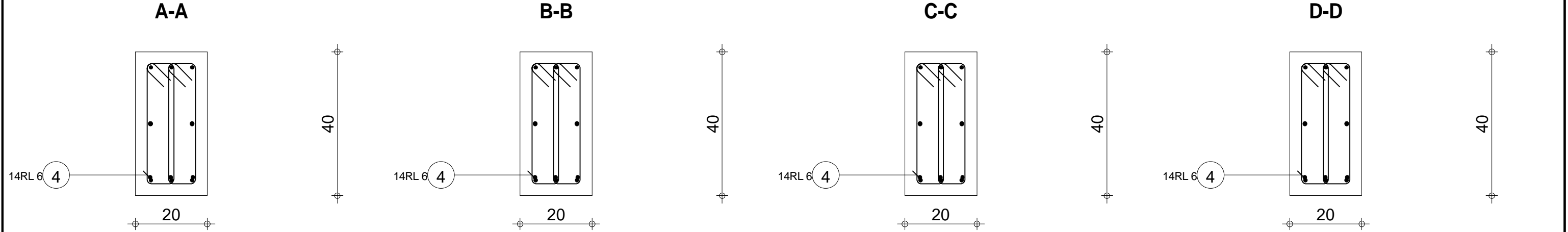
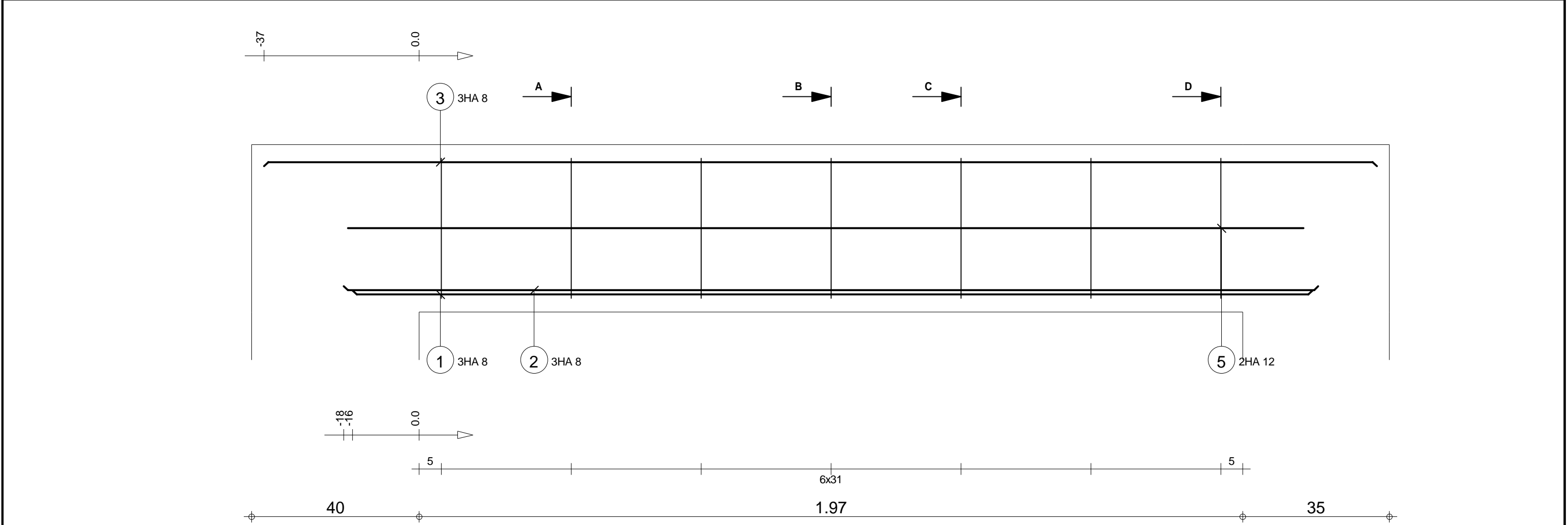
Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme
①	3HA 14	l=4.62	00	④	30RL 6	l=96	31
②	3HA 14	l=4.26	00	⑤	2HA 12	l=3.89	00
③	3HA 8	l=4.14	00				

RDC		POUTRE PG6		Nombre 1		Béton : BETON25 = 0.336 m3		Acier HA 400 = 44 kg	
PROJET CERME_PLANS GUIDES		Section 20x40				Enrobage inférieur 3 cm		Enrobage supérieur 3 cm	
						Densité = 150 kg/ m3		Echelle pour la vue 8.42cm/m	
						Surface du coffrage = 4.26 m2		Echelle pour la section 9.34cm/m	
								Page 1/1	



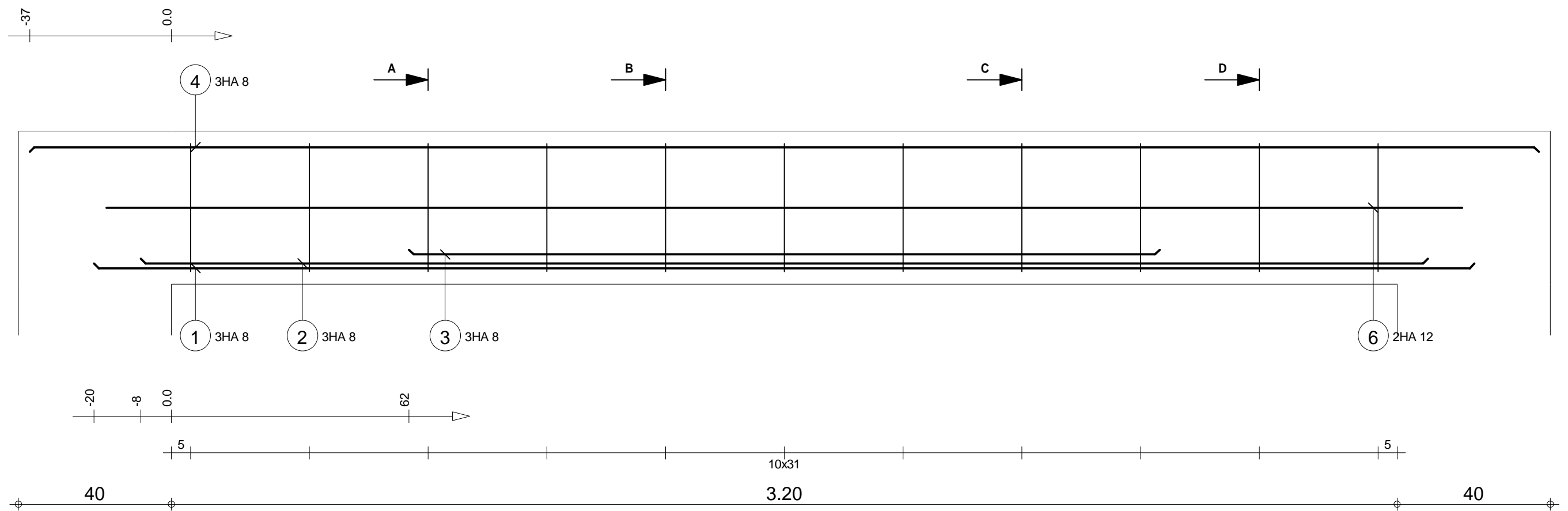
Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme
①	4HA 10	l=1.75	00	④	8HA 12	l=3.98	00	⑦	4HA 12	l=3.16	00	⑩	62RL 6	l=1.73	31
②	4HA 10	l=1.84	00	⑤	8HA 12	l=3.39	00	⑧	4HA 8	l=3.87	00	⑪	6*2HA 12	l=3.79	00
③	8HA 12	l=4.18	00	⑥	4HA 12	l=5.16	00	⑨	4HA 8	l=3.97	00				

RDC PROJET CERME_PLANS GUIDES	POUTRE PG7 Section 30x70	Nombre 1	Tél.	Fax	Acier HA 400 = 173 kg			
					Acier RL 235 = 23.8 kg			
			Enrobage inférieur 3 cm		Enrobage supérieur 3 cm		Enrobage latéral 3 cm	
			Densité = 123.1 kg/ m3		Echelle pour la vue 4.74cm/m		Page 1/1	
			Surface du coffrage = 13.2 m2		Echelle pour la section 5.71cm/m			

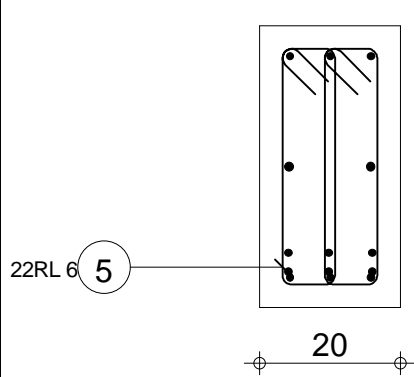


Pos.	Armature		Code	Forme	Pos.	Armature		Code	Forme
①	3HA 8	l=2.29	00	2.29	④	14RL 6	l=96	31	
②	3HA 8	l=2.33	00	2.33	⑤	2HA 12	l=2.28	00	2.28
③	3HA 8	l=2.66	00	2.66					

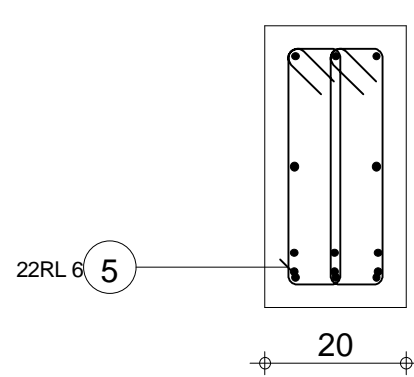
		Tél.	Fax			Acier HA 400 = 12.7 kg		
RDC PROJET CERME_PLANS GUIDES	POUTRE PG8 Section 20x40	Nombre 1	Béton : BETON25 = 0.217 m3		Acier RL 235 = 2.97 kg			
			Enrobage inférieur 3 cm		Enrobage supérieur 3 cm		Enrobage latéral 3 cm	
			Densité = 71.89 kg/ m3		Echelle pour la vue 10.9cm/m		Page 1/1	
Surface du coffrage = 2.73 m2		Echelle pour la section 9.34cm/m						



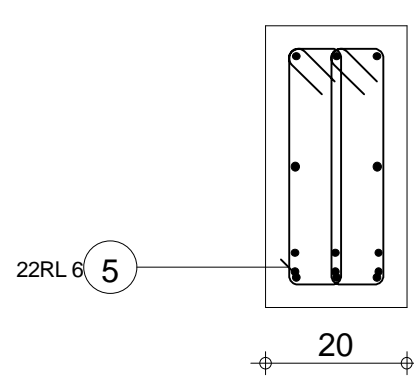
A-A



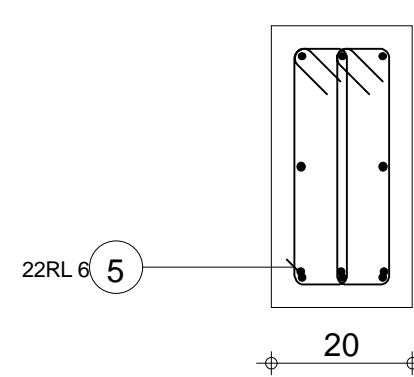
B-B



C-C



D-D



Pos.	Armature	Code	Forme	Pos.	Armature	Code	Forme
①	3HA 8	l=3.60	00	④	3HA 8	l=3.94	00
②	3HA 8	l=3.36	00	⑤	22RL 6	l=96	31
③	3HA 8	l=1.96	00	⑥	2HA 12	l=3.54	00

		Tél.	Fax			Acier HA 400 = 21.5 kg	
RDC PROJET CERME_PLANS GUIDES	POUTRE PG9 Section 20x40	Nombre 1	Béton : BETON25 = 0.32 m3		Acier RL 235 = 4.66 kg		
			Enrobage inférieur 3 cm		Enrobage supérieur 3 cm		Enrobage latéral 3 cm
			Densité = 81.88 kg/ m3		Echelle pour la vue 8.81cm/m		Page 1/1
			Surface du coffrage = 4 m2		Echelle pour la section 9.34cm/m		