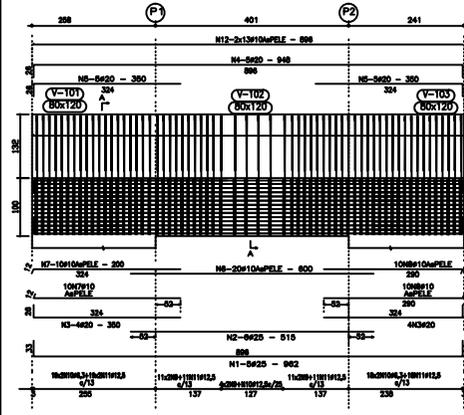
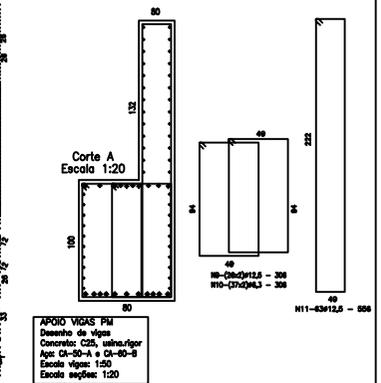


VIGA DE APOIO PM
Escala 1:100

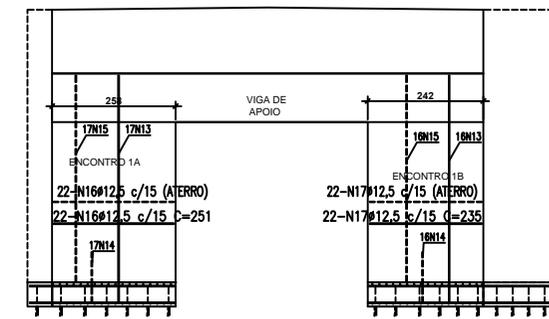


Elemento	Pos.	Diam.	Q.	Dob. (cm)	Ret. (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	
V 1	1	#25	3	33	898	33	892	4810	183,39	
	2	#25	6	36	515	315	390	3090	119,27	
	3	#20	28	28	324	350	2800	4048	154,88	
	4	#20	28	28	324	26	848	4740	178,88	
	5	#20	10	28	324	350	350	1000	38,31	
	6	#10	20	20	600	600	12000	74,4	2,74	
	7	#10	20	12	324	336	8720	4,48	0,16	
	8	#10	28	12	290	302	4040	3,28	0,12	
	9	#12,5	52	22	1812	306	1912	18320	67,2	2,4
	10	#6,3	74	22	105	306	2264	58,6	2,1	
	11	#12,5	52	22	1812	306	3020	33,78	1,2	
	12	#10	28	28	898	898	23296	143,28	5,1	
Total:									1418,18	

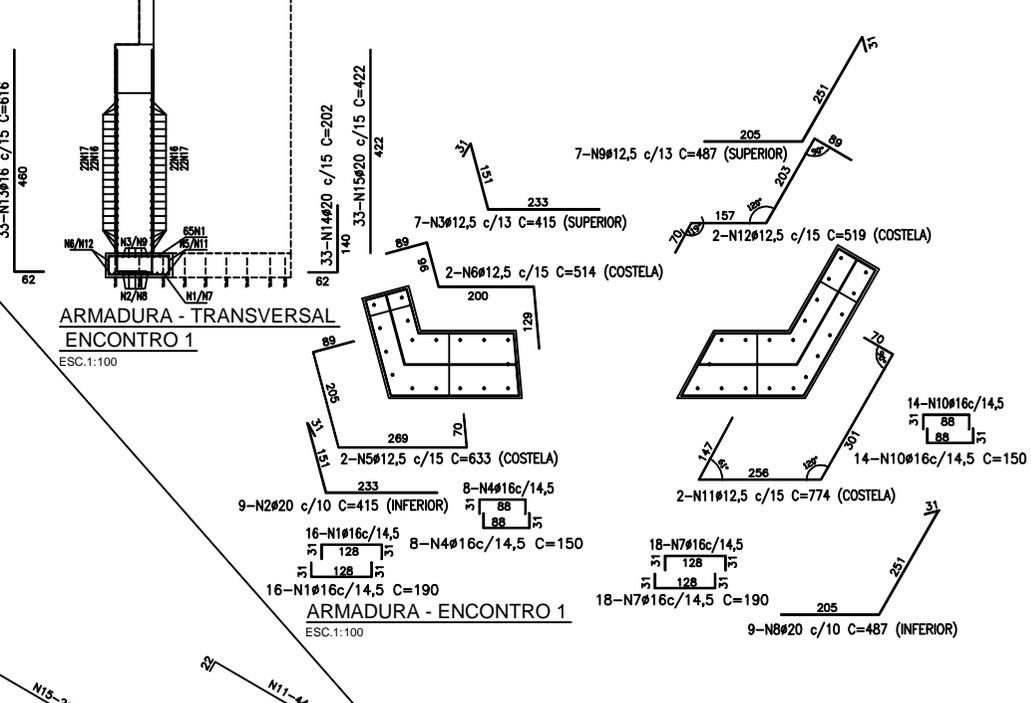


Elemento	Pos.	Diam.	Q.	Dob. (cm)	Ret. (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	
ALA 01	1	#16	26	20	121	141	3666	57,849	2,1	
	2	#16	26	20	561	581	15106	230,373	8,1	
	3	#6,3	44	22	192	105	319	14036	34,388	1,2
	4	#6,3	44	22	192	105	319	14036	34,388	1,2
	5	#6,3	12	22	142	105	269	3228	7,909	0,3
	6	#6,3	12	22	142	105	269	3228	7,909	0,3
	7	#16	22	22	142	105	269	538	8,489	0,3
	8	#16	22	22	142	105	269	538	8,489	0,3
Total:									397,795	

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Ret. (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	
ALA 04	9	#16	52	20	121	141	7332	115,899	4,1	
	10	#16	52	20	561	581	30212	476,745	16,6	
	11	#6,3	44	22	392	105	519	22836	55,948	2,0
	12	#6,3	44	22	392	105	519	22836	55,948	2,0
	13	#6,3	12	22	342	105	469	10318	13,789	0,5
	14	#6,3	12	22	342	105	469	10318	13,789	0,5
	15	#16	22	22	342	105	469	936	14,802	0,5
	16	#16	22	22	342	105	469	936	14,802	0,5
Total:									761,521	

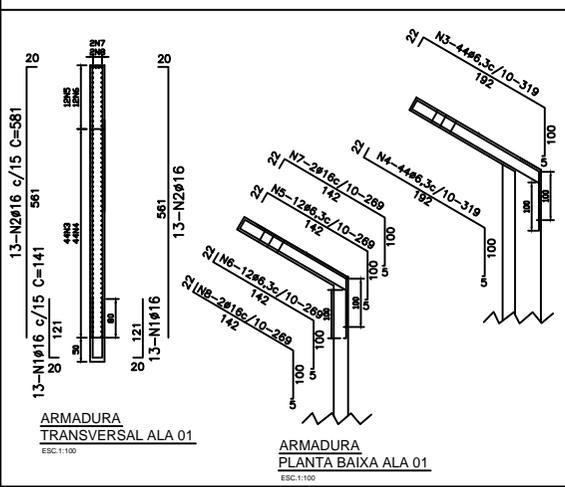


ARMADURA - LONGITUDINAL ENCONTRO 1
ESC.1:100

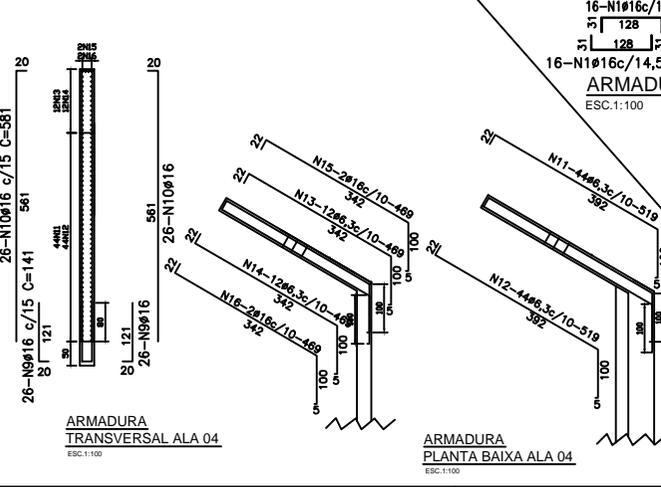


ARMADURA - TRANSVERSAL ENCONTRO 1
ESC.1:100

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Ret. (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)
ENCONTRO 1	1	#16	32	31	128	31	190	6080	85,942
	2	#20	9	7	415	415	415	3735	92,105
	3	#12,5	7	415	415	415	2905	27,975	1,0
	4	#16	16	31	88	31	150	2400	37,72
	5	#12,5	2	2	633	31	150	1266	12,191
	6	#12,5	2	2	514	31	150	1028	8,899
	7	#16	36	31	128	31	190	6840	107,835
	8	#12,5	7	487	487	487	487	4383	180,05
	9	#12,5	7	487	487	487	487	4309	32,828
	10	#16	28	31	88	31	150	4200	66,276
	11	#12,5	2	774	774	1548	14,907	14,907	0,5
	12	#12,5	2	519	519	1038	1038	93,996	3,4
	13	#16	33	62	460	616	20328	271,88	9,8
	14	#20	33	62	140	202	6666	164,384	6,0
	15	#20	33	62	422	422	13926	343,415	12,5
	16	#12,5	44	251	251	11044	106,303	3,9	0,1
	17	#12,5	44	235	235	10340	99,574	3,6	0,1
Total:									1601,567



ARMADURA TRANSVERSAL ALA 01
ESC.1:100



ARMADURA TRANSVERSAL ALA 04
ESC.1:100

PROJETO ESTRUTURAL PONTE CLASSE 45 Ton.

CLIENTE: PREFEITURA M. DE CONCEIÇÃO DO CASTELO - ES

OBRA: PONTE NO BAIRRO PEDRO RIGO

ENDEREÇO: (ACESSO AO HOSPITAL) E MONFORTE FRIO

DESENHO: ARMADURA DO ENCONTRO 1

AUTOR E RESPONSÁVEL TÉCNICO DO PROJETO: RENAN VENTURIN DESTEFANI

ESCALA: INDICADA DATA: 04/2016 REVISÃO: 00

FOLHA: 01 / 03

ENG. CIVIL CREA ES-034006/D