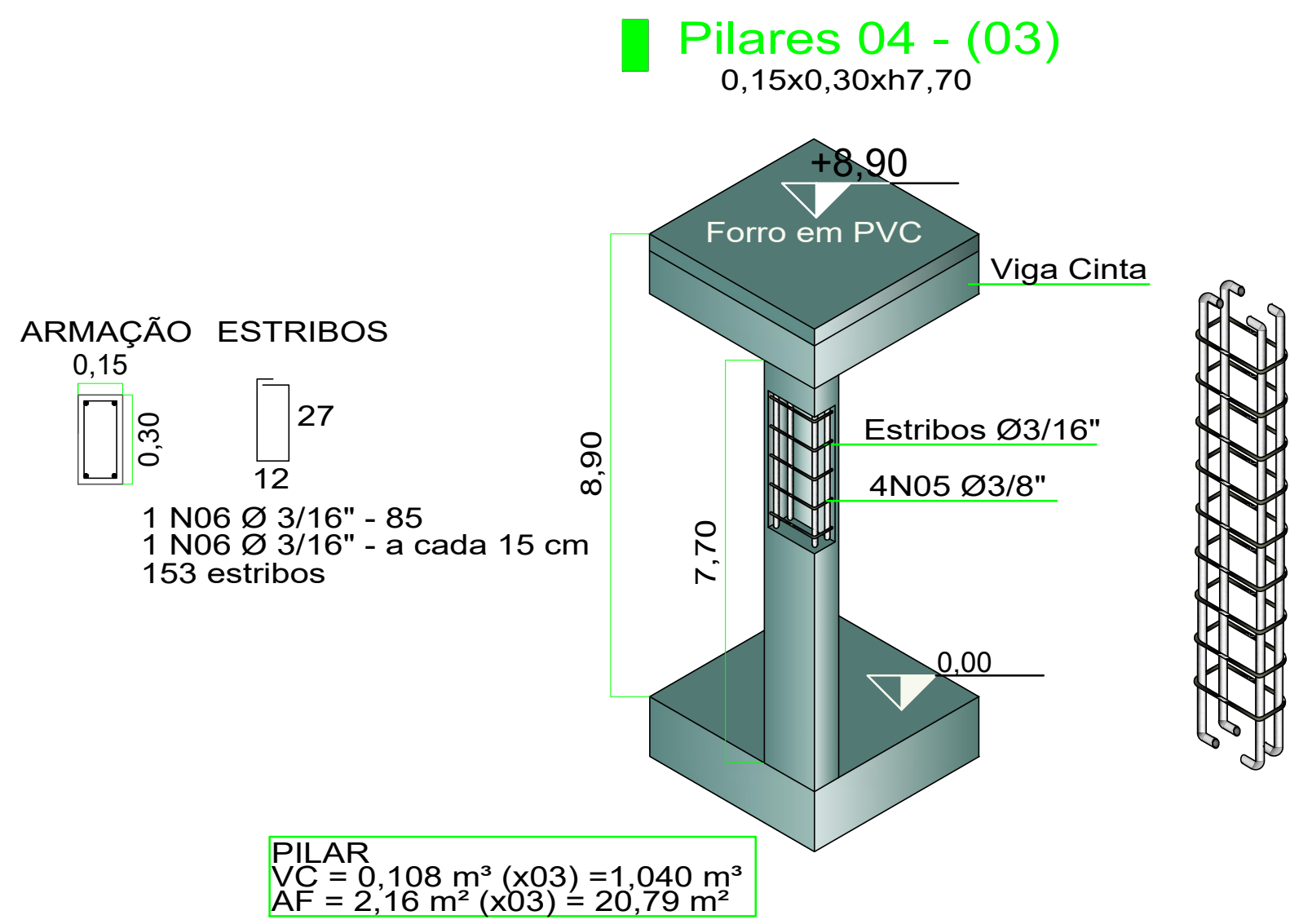
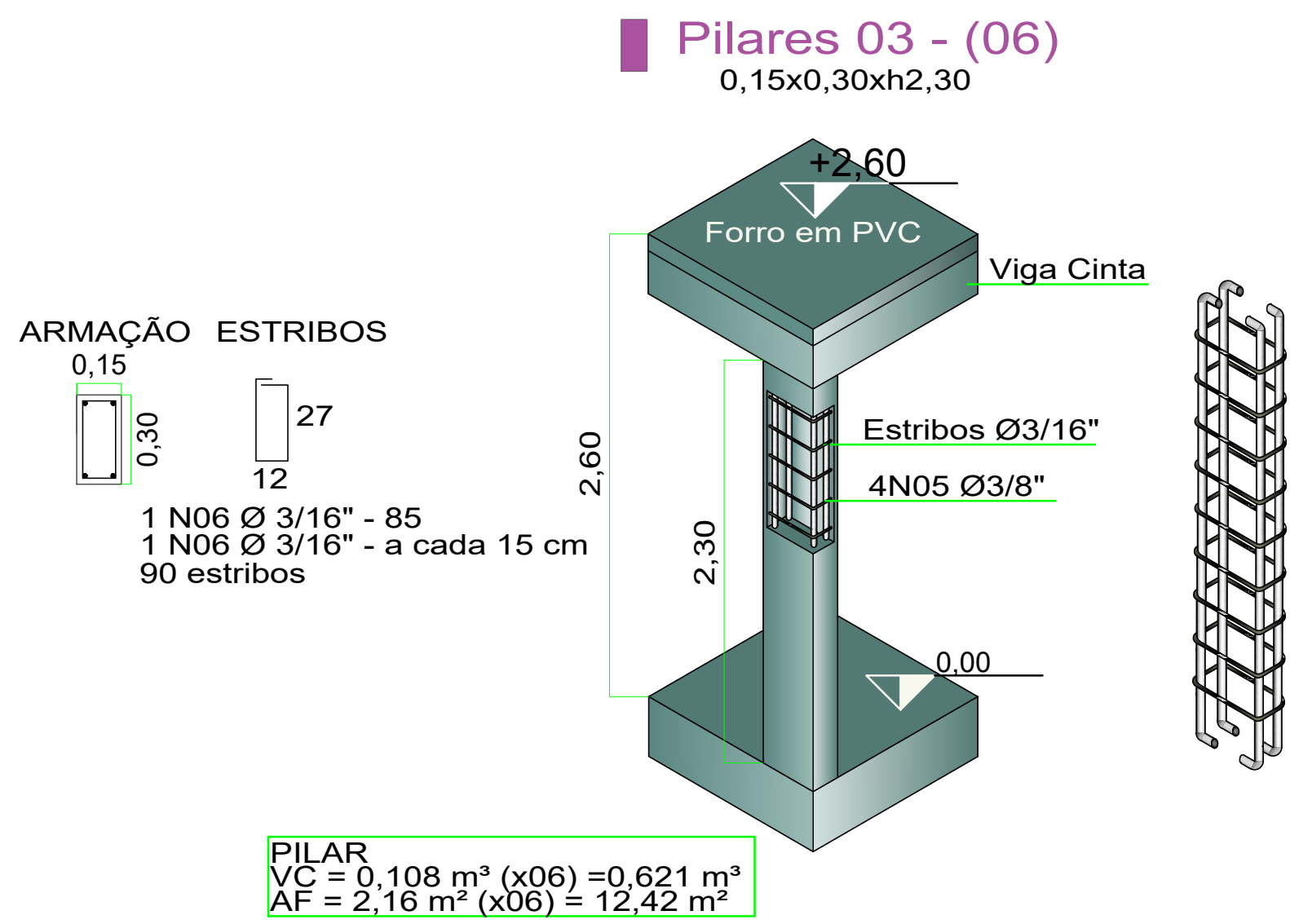
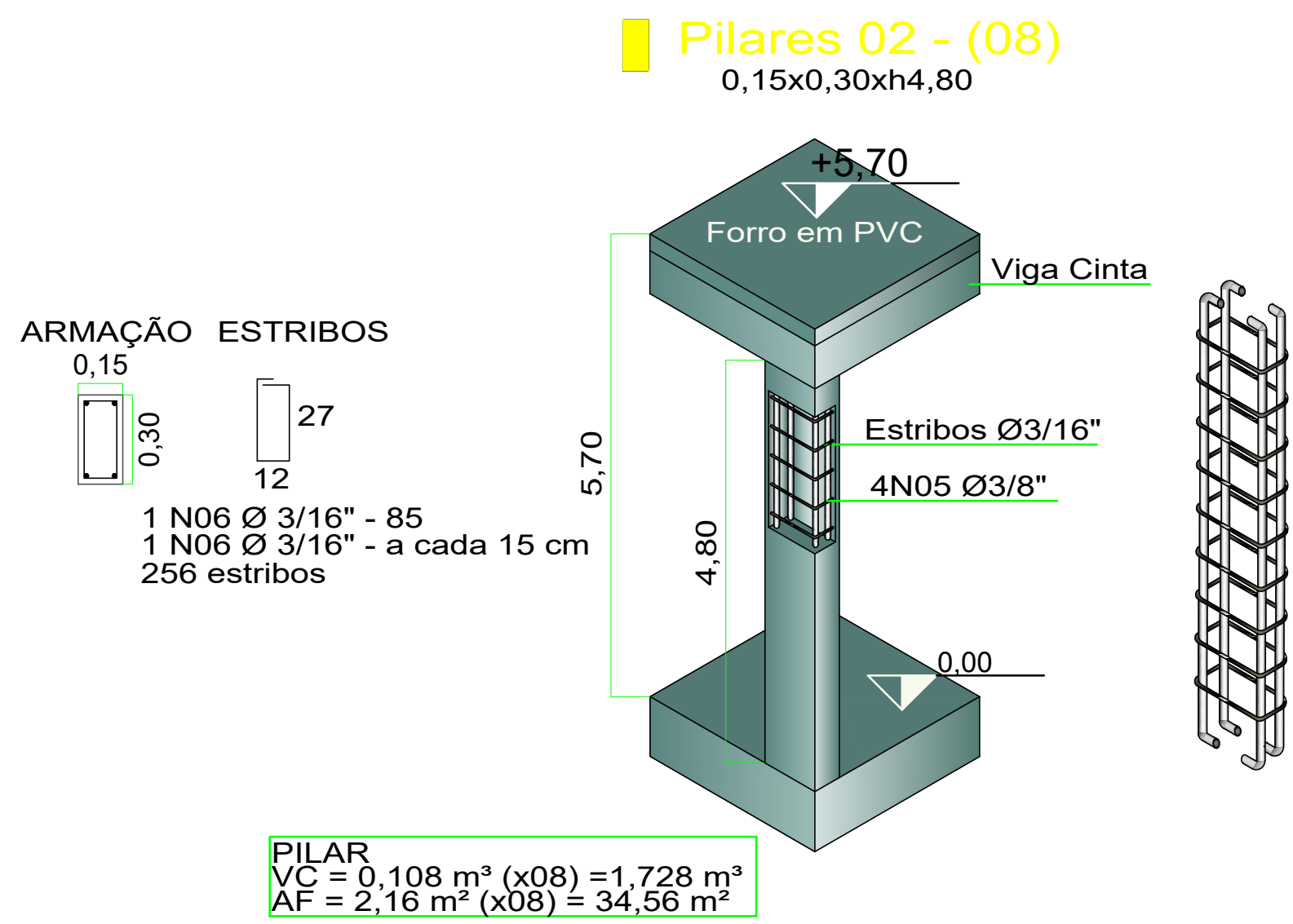
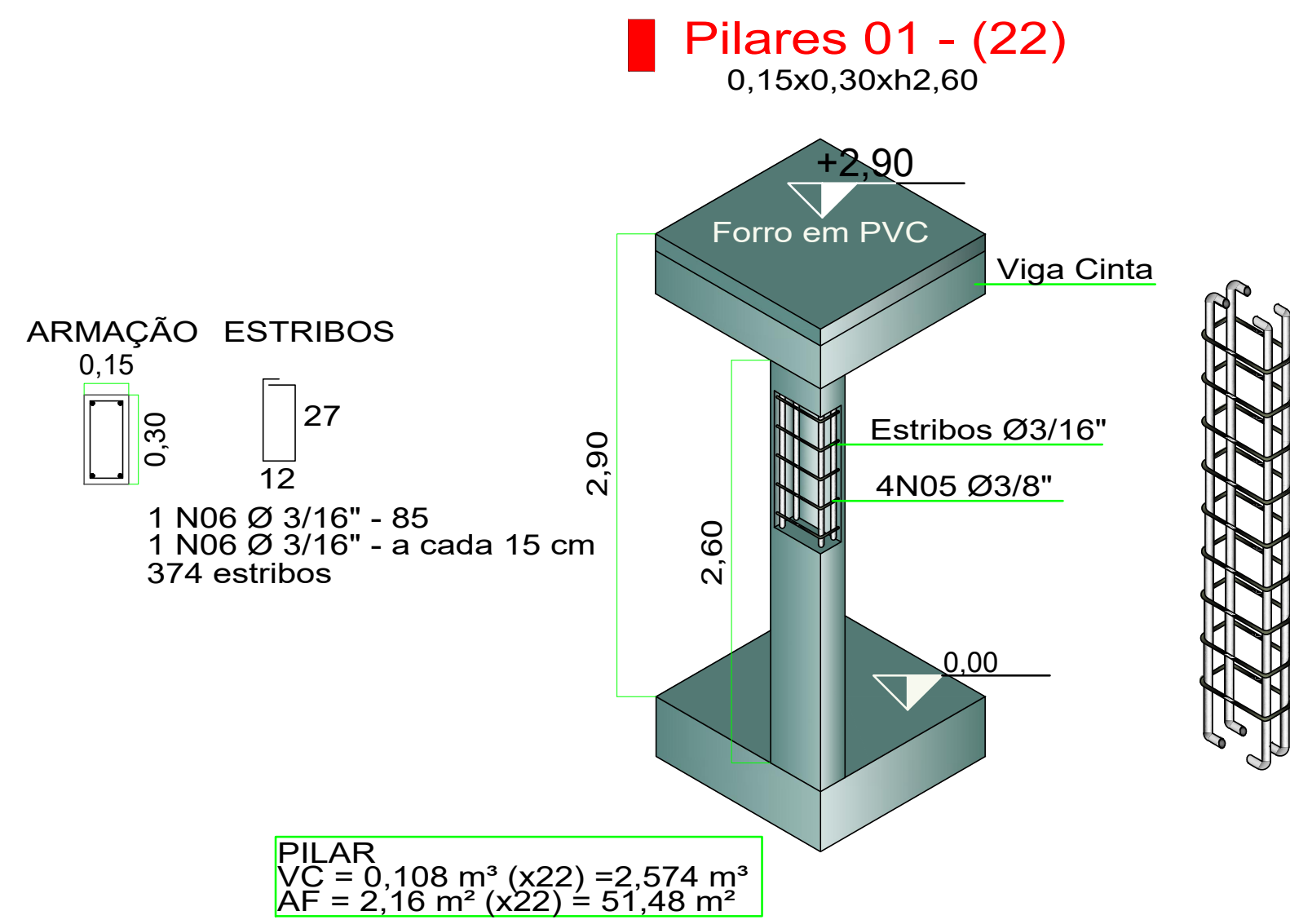
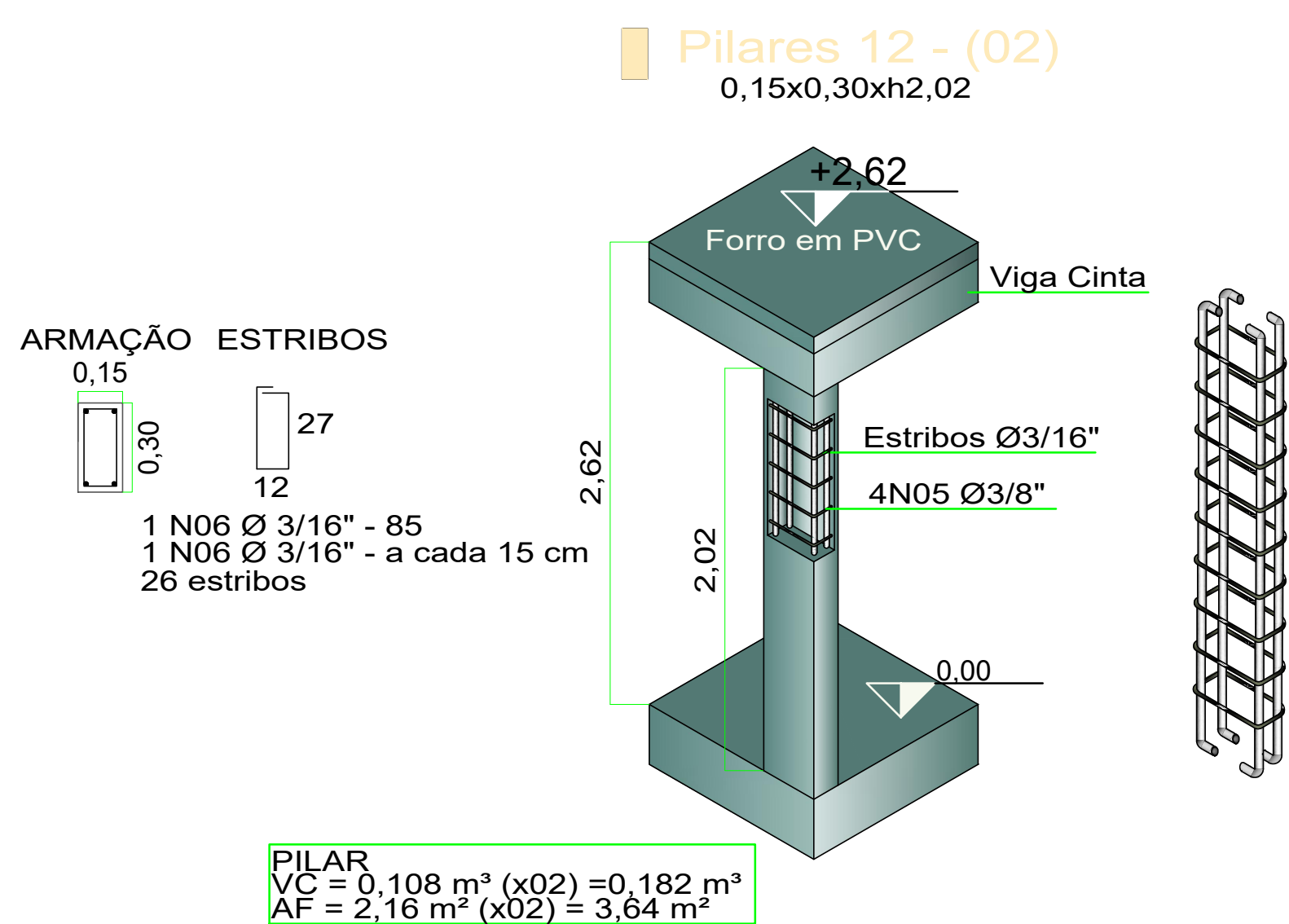
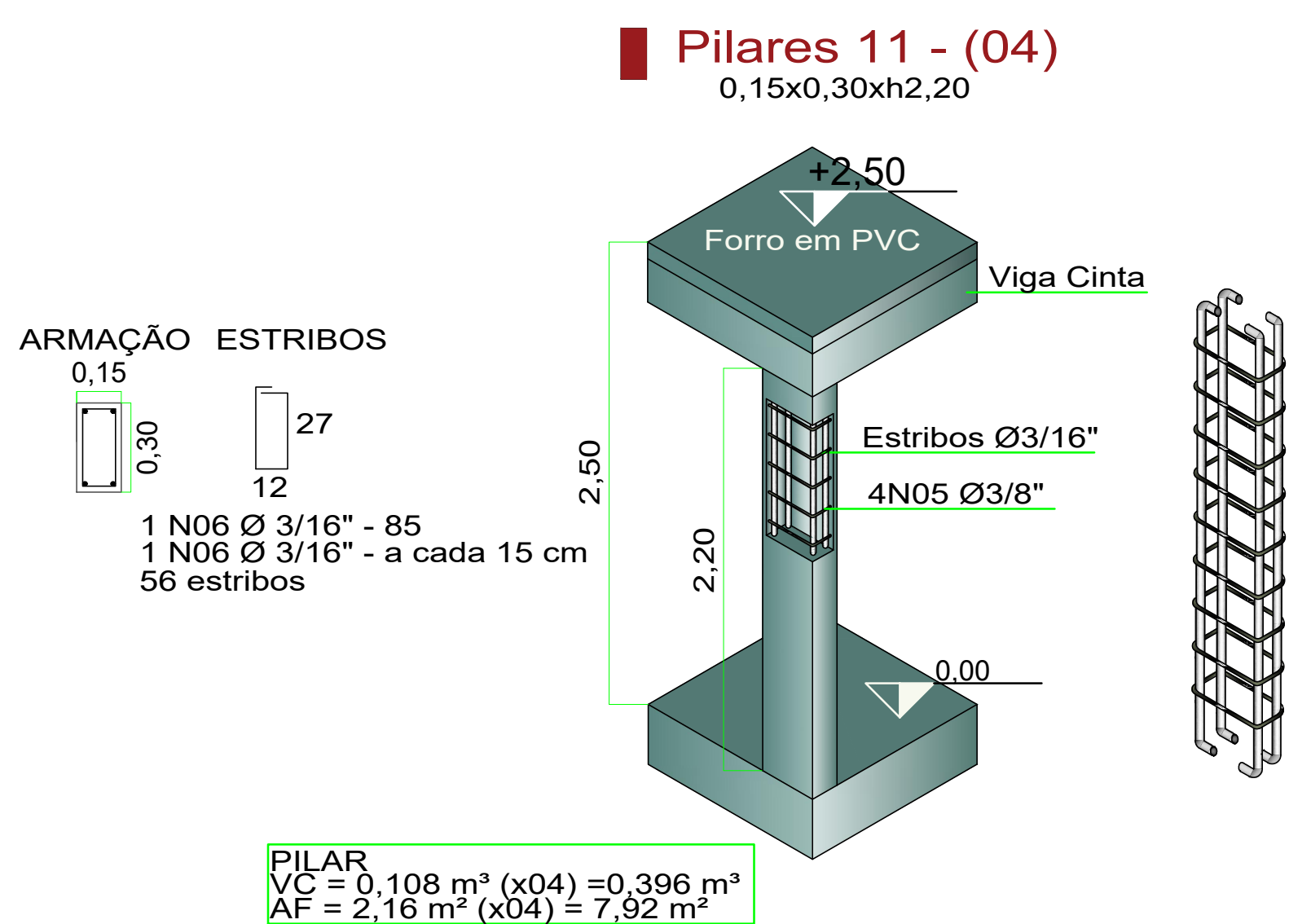
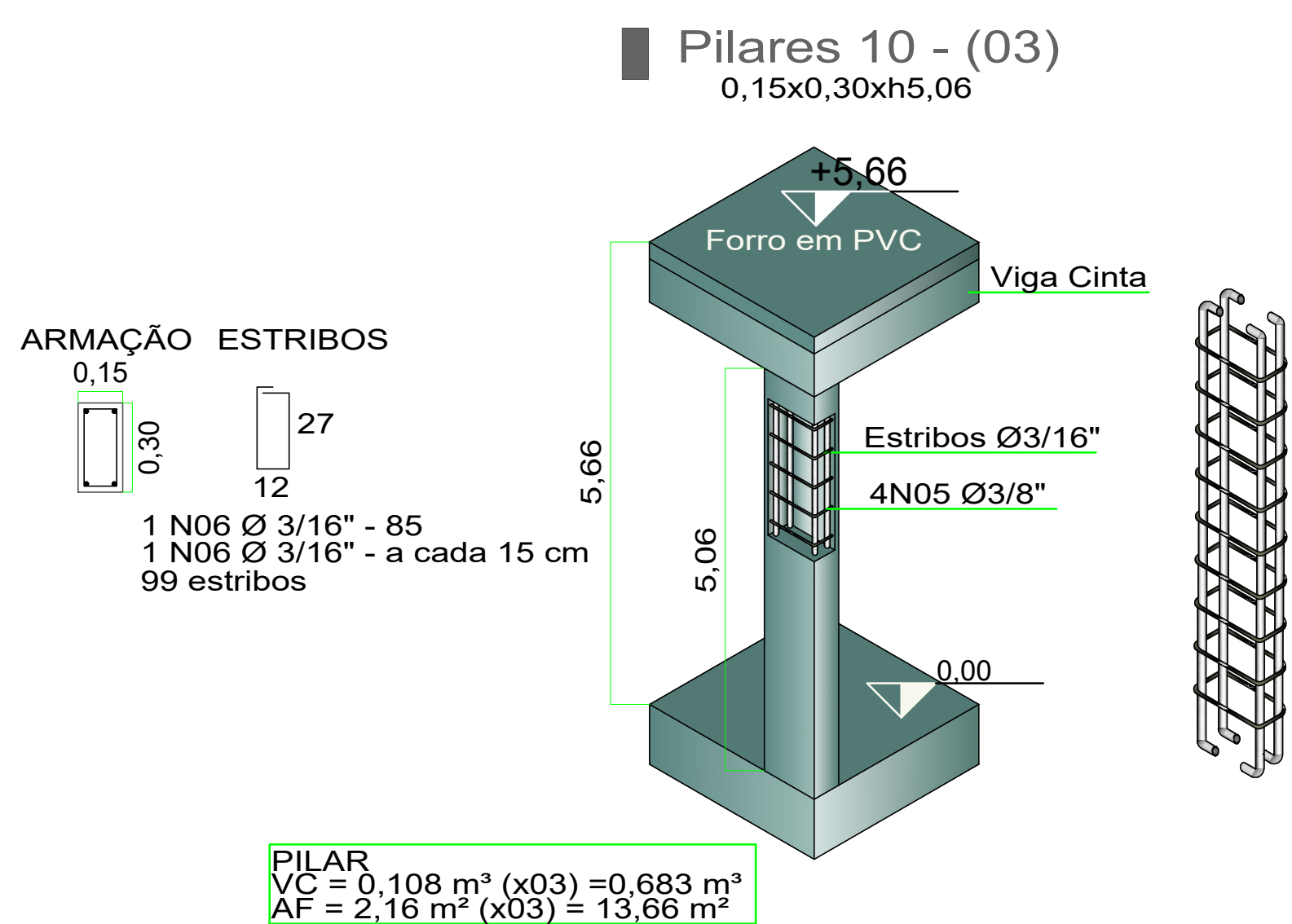
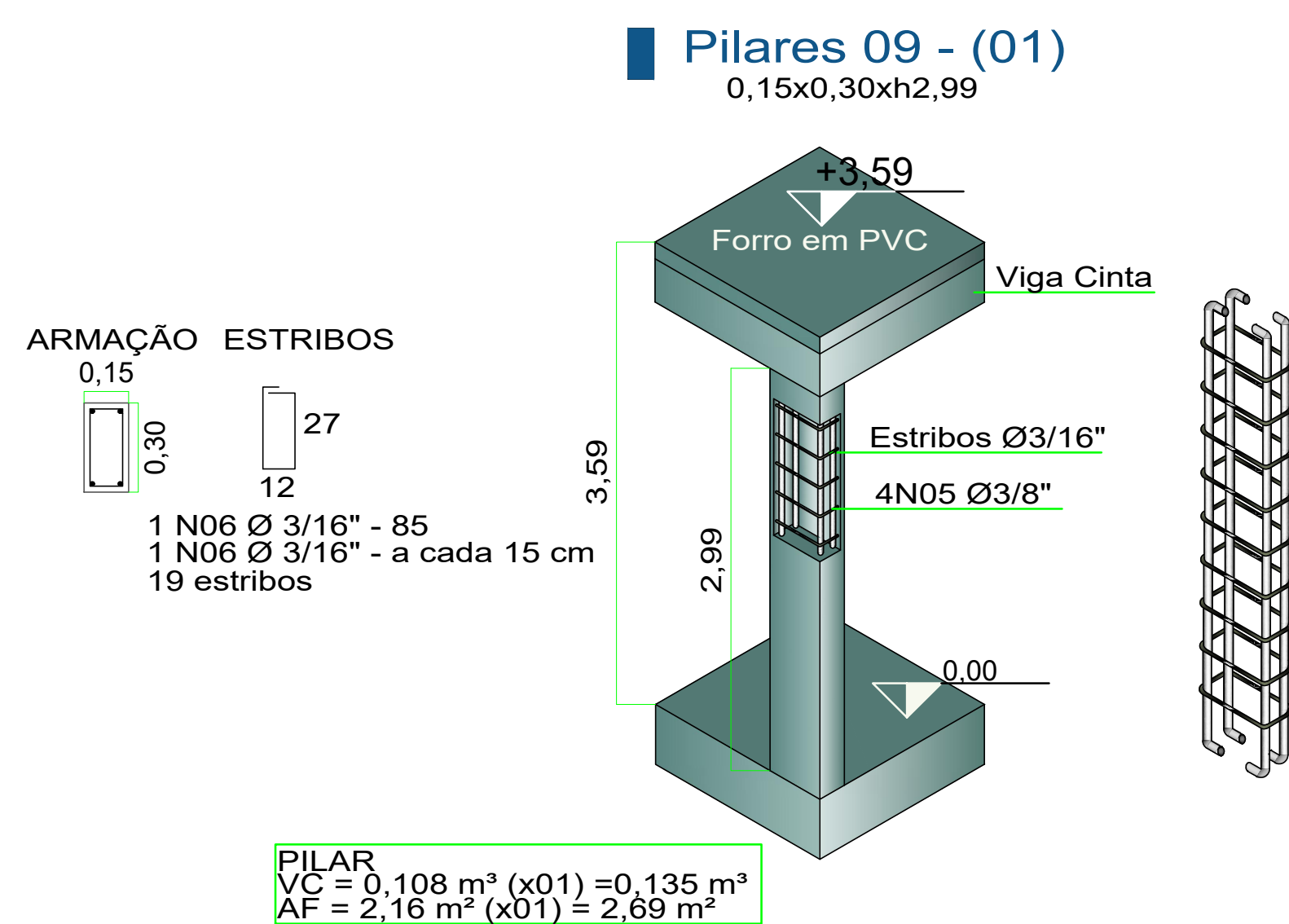
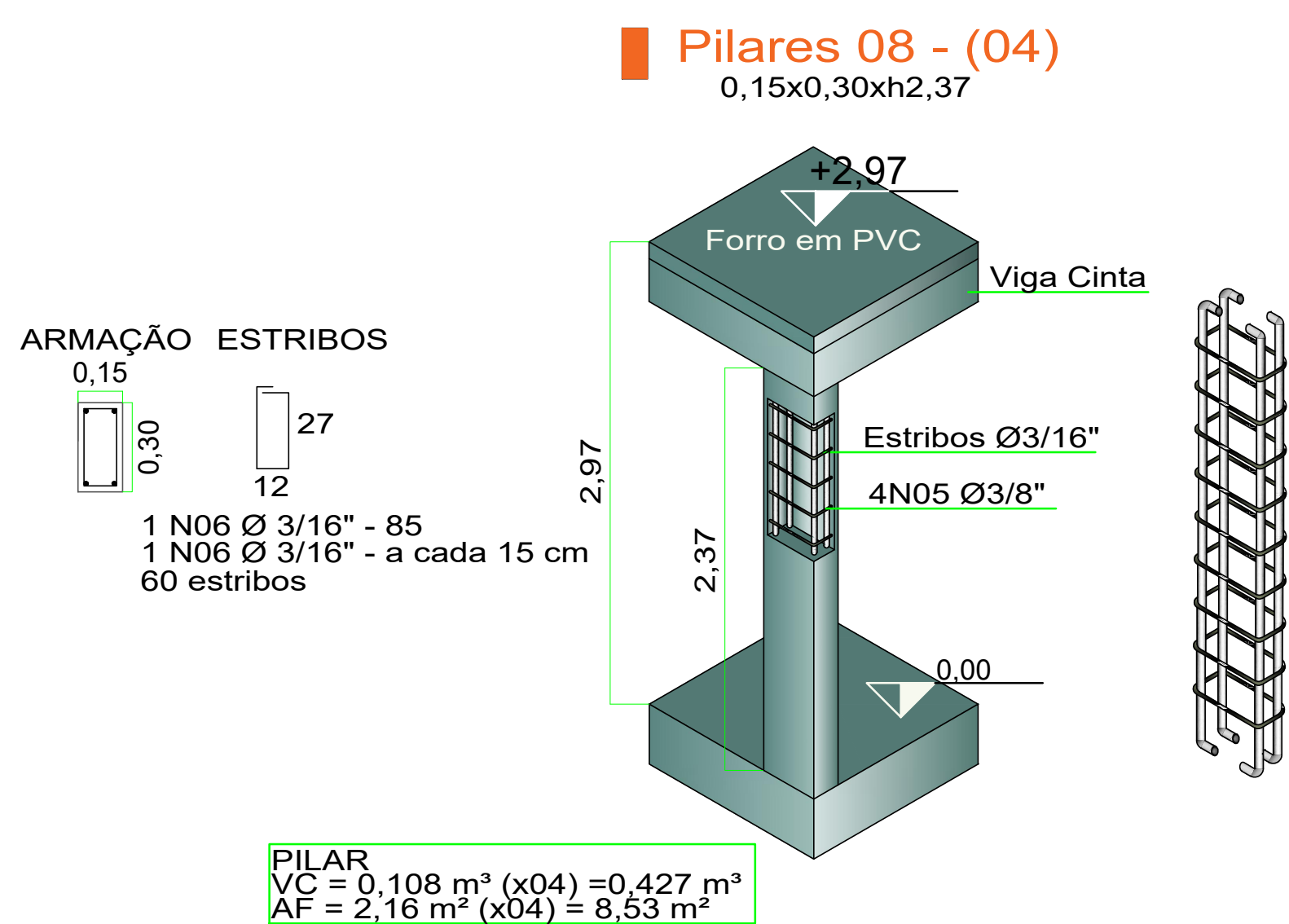
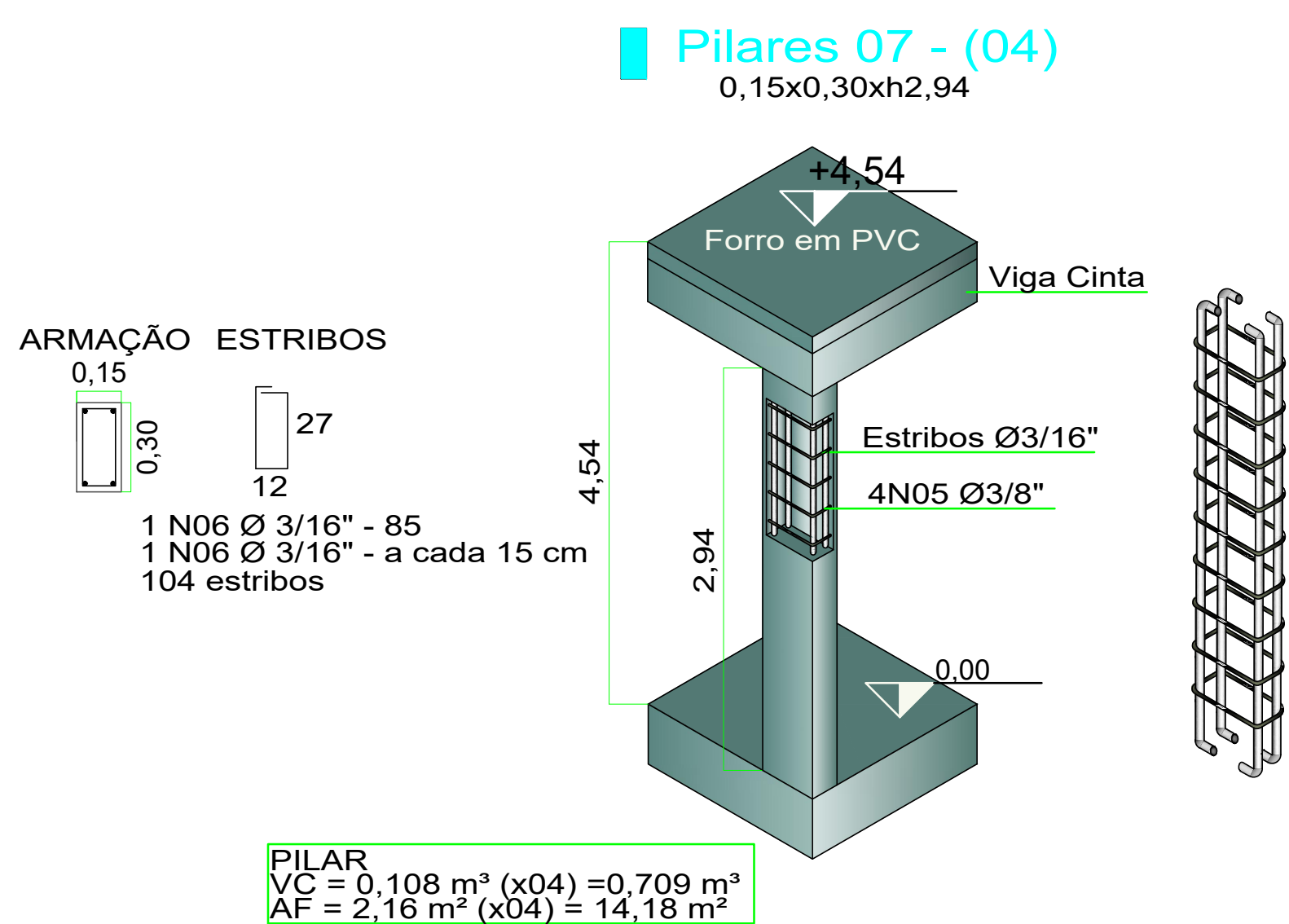
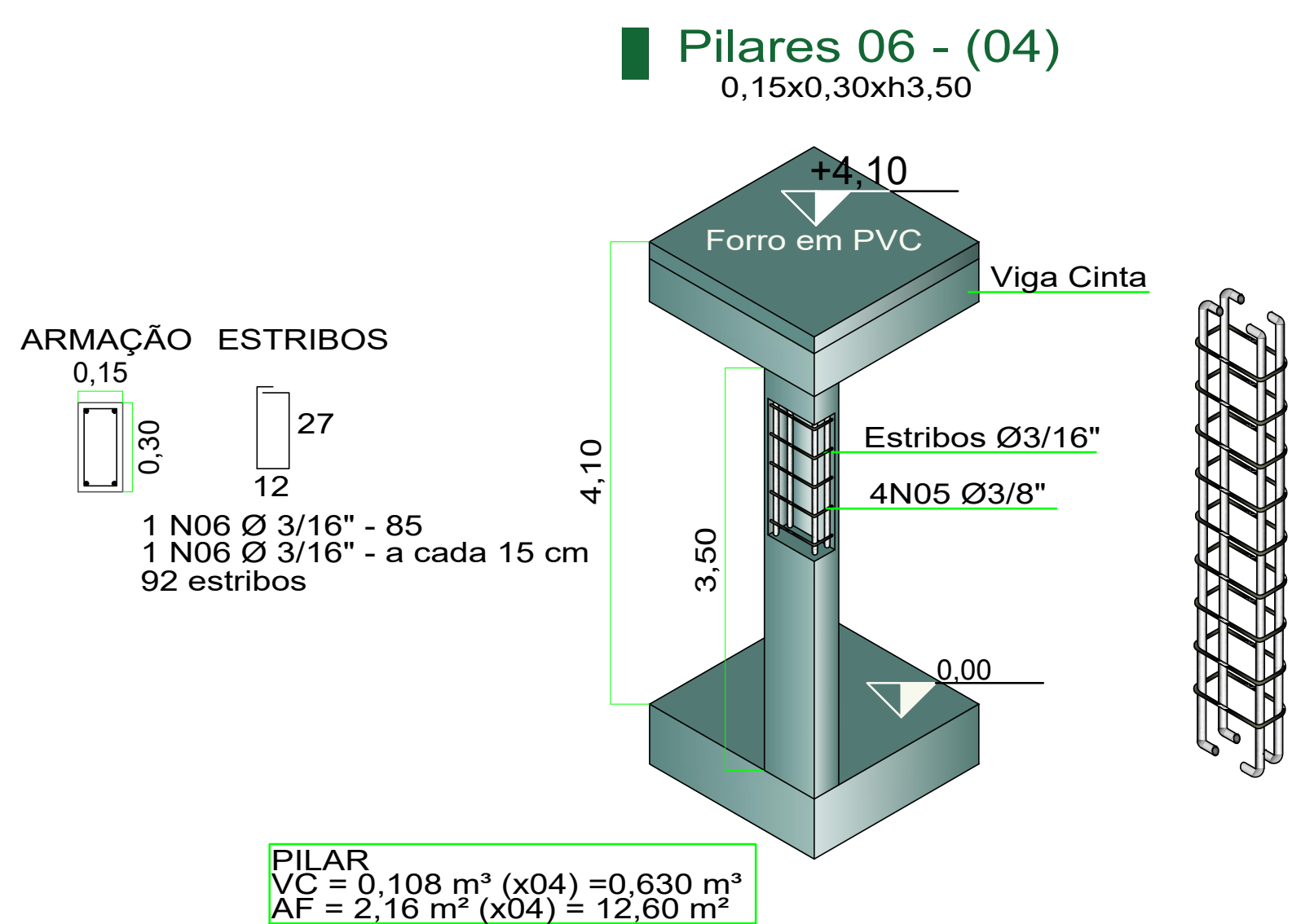
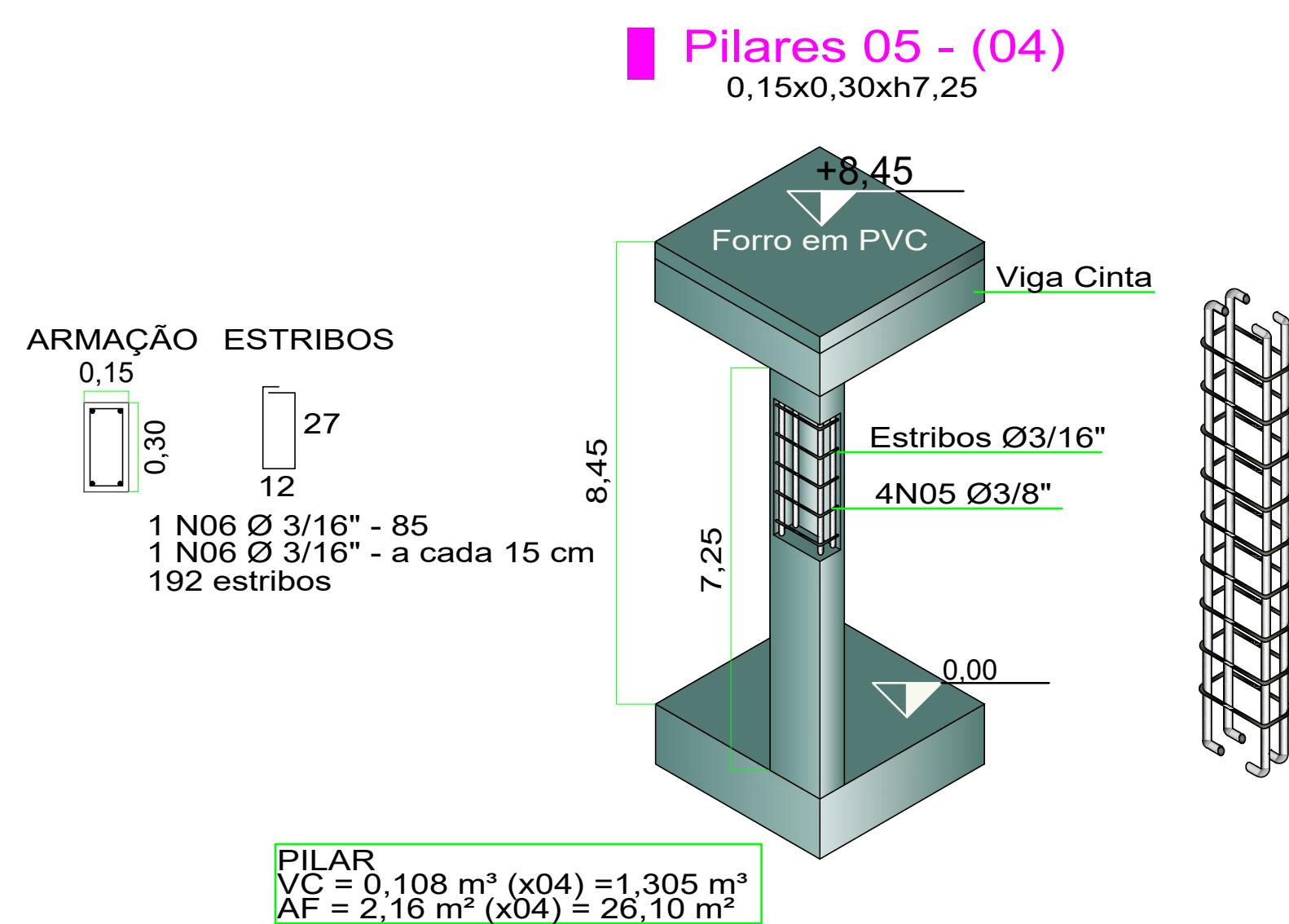
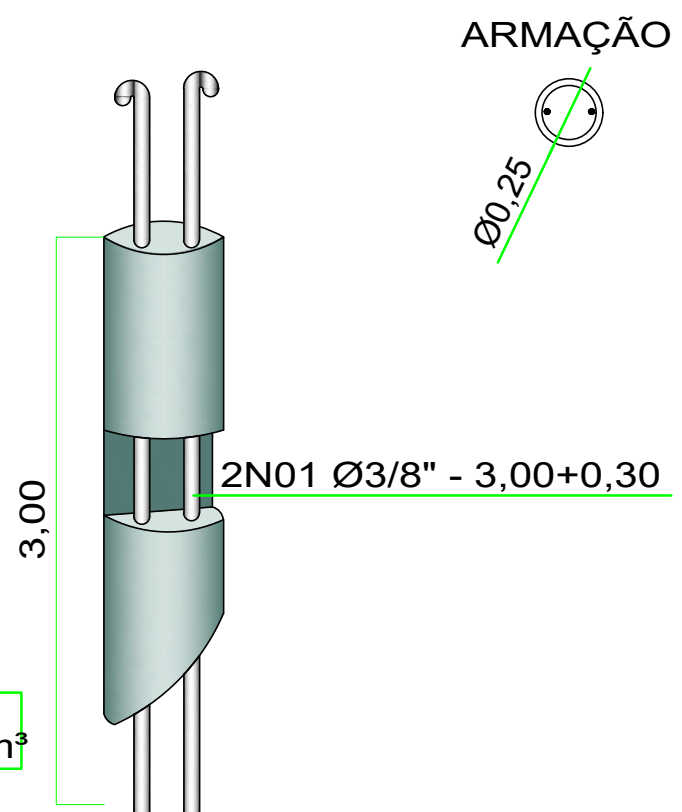




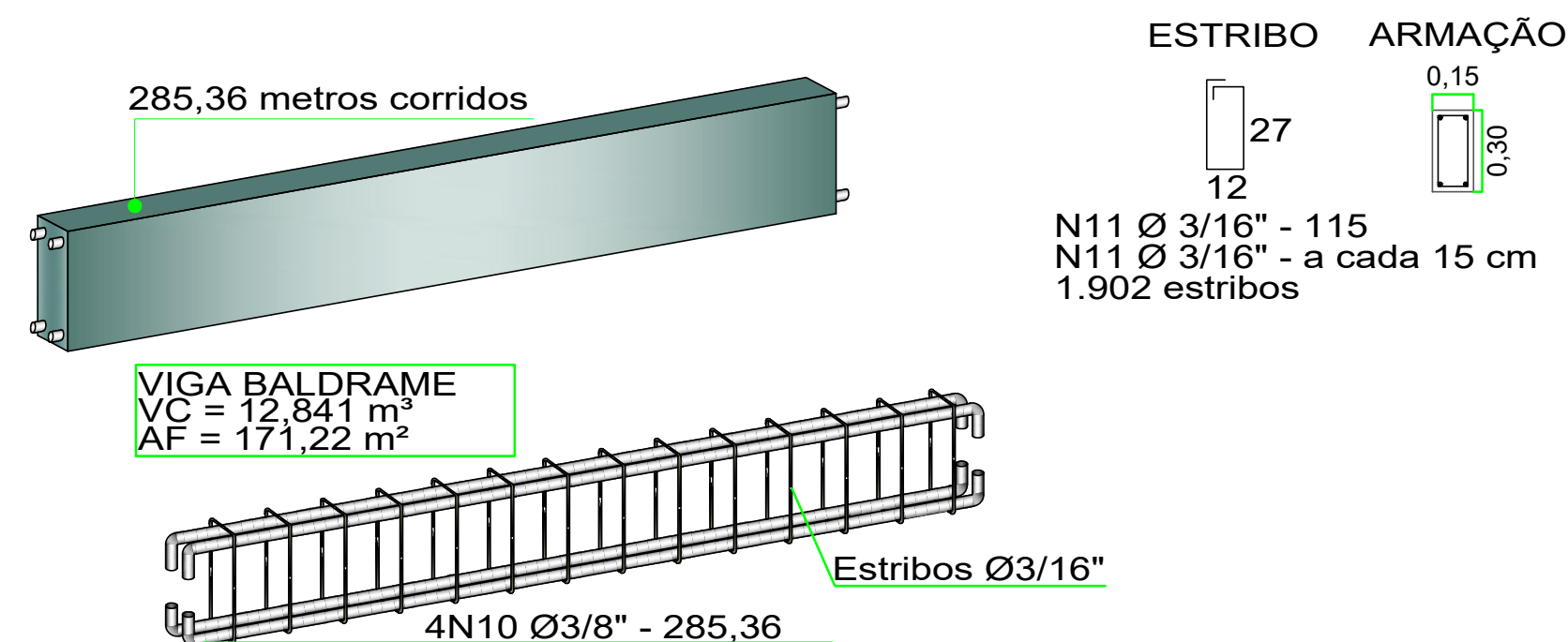
PILARES	quantidade	altura (m)	bitola (mm)	total (m)	estribo (un)	bitola (mm)	COMPRIMENTO (m)	TOTAL (m)	VC (m³)	AF (m²)	
p1	22,00	2,60	10,00	228,80	374,00	8,00	0,85	317,90	2,57	51,48	
p2	8,00	4,80	10,00	153,60	256,00	5,00	0,85	217,60	1,73	34,96	
p3	6,00	2,30	10,00	55,20	90,00	5,00	0,85	76,50	0,62	12,42	
p4	3,00	7,70	10,00	92,40	153,00	5,00	0,85	130,05	1,04	20,79	
p5	4,00	7,25	10,00	116,00	192,00	5,00	0,85	163,20	1,31	26,10	
p6	4,00	3,50	10,00	56,00	92,00	5,00	0,85	78,20	0,63	12,60	
p7	4,00	3,94	10,00	63,04	104,00	5,00	0,85	88,40	0,71	14,18	
p8	4,00	2,37	10,00	37,92	60,00	5,00	0,85	51,00	0,43	8,53	
p9	1,00	2,99	10,00	11,96	19,00	5,00	0,85	16,15	0,13	2,69	
p10	3,00	5,06	10,00	60,72	99,00	5,00	0,85	84,15	0,68	13,66	
p11	4,00	2,20	10,00	35,20	56,00	5,00	0,85	47,60	0,40	7,92	
p12	2,00	2,03	10,00	16,16	26,00	5,00	0,85	22,30	0,18	3,64	
TOTAL	66,00			927,00				1292,83	10,43	206,58	
VIGAS	quantidade	COMPRIMENTO (m)	bitola (mm)	total (m)	estribo (un)	bitola (mm)	COMPRIMENTO (m)	TOTAL (m)	VC (m³)	AF (m²)	
BALD	4,00	285,36	10,00	1141,44	1902,00	5,00	0,85	1616,70	12,84	171,22	
CINTA 01	4,00	202,12	10,00	808,48	1347,00	5,00	0,85	1144,95	9,10	121,27	
CINTA 02	4,00	28,60	10,00	114,40	180,00	5,00	1,50	285,00	2,17	34,33	
CINTA 03	4,00	56,20	10,00	224,80	374,00	5,00	0,85	317,90	2,53	33,72	
CINTA 04	4,00	28,35	10,00	113,40	189,00	5,00	0,85	160,05	1,28	17,01	
V.INTER	4,00	77,60	10,00	310,40	517,00	5,00	0,85	439,45	3,49	46,56	
TOTAL	678,23			2712,92				3964,63	31,80	424,10	
BLOCOS	quantidade	COMPRIMENTO (m)	bitola (mm)	TOTAL (m)	estribo (un)	bitola (mm)	COMPRIMENTO (m)	TOTAL (m)	VC (m³)	AF (m²)	
B	47,00	8,70	8,00	408,90						11,75	70,50
	47,00	9,50	8,00	446,50							
							5,00	8,70			
								8,70			
TOTAL	16,20			855,40				17,40	408,90	11,75	70,50
ESTACAS	quantidade	COMPRIMENTO (m)	bitola (mm)	TOTAL (m)							803,15
	180,00	3,00	30,00	540,00							
RESUMO				metro	kg/m	kg					53,98 m³
VOLUME DE CONCRETO											703,17 m³
ÁREA DE FORMAS											TOTAL com 10% perdas
ACO 10MM				4179,92	0,509	2336,58					2570,23 kg
ACO 8MM				855,4	0,388	331,89					365,09 kg
ACO 5MM				5666,40	0,14	793,30					872,63 kg



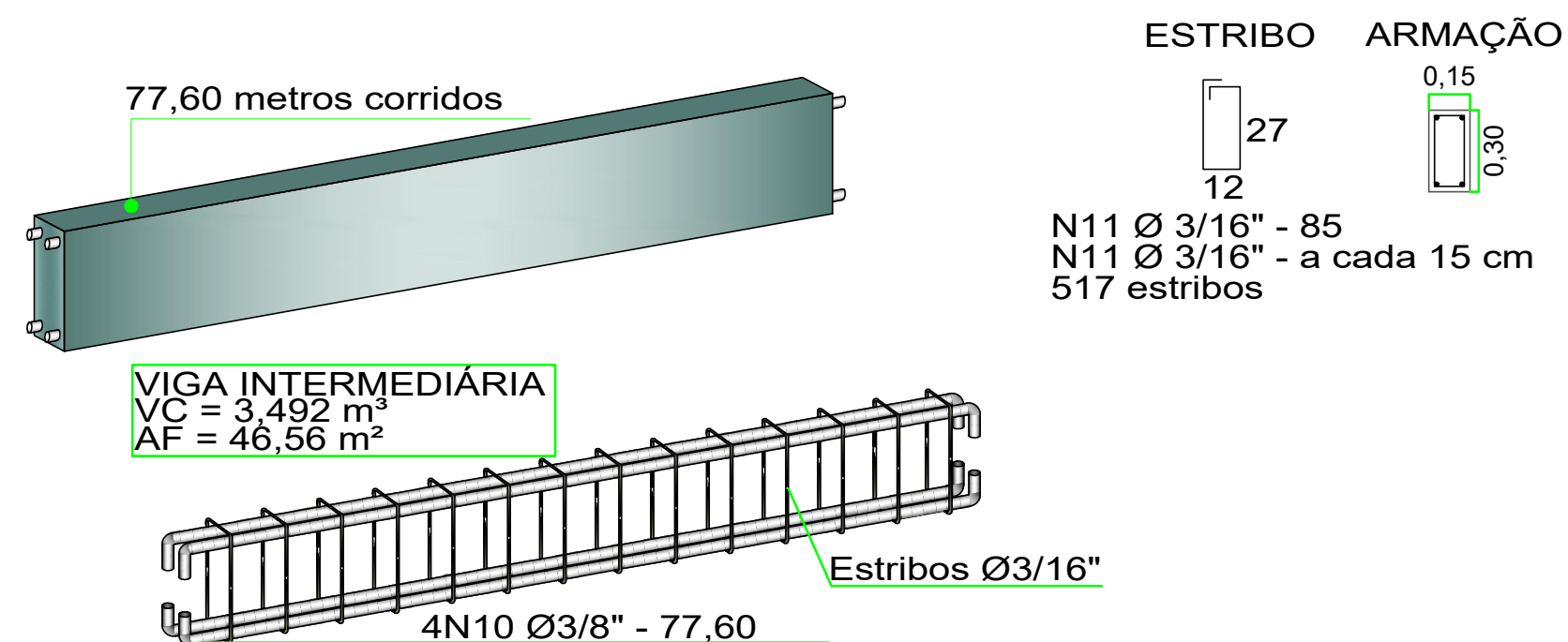
Estaca broca (x180)
180 ESTACAS DA EDIFICAÇÃO
DE Ø25 cm



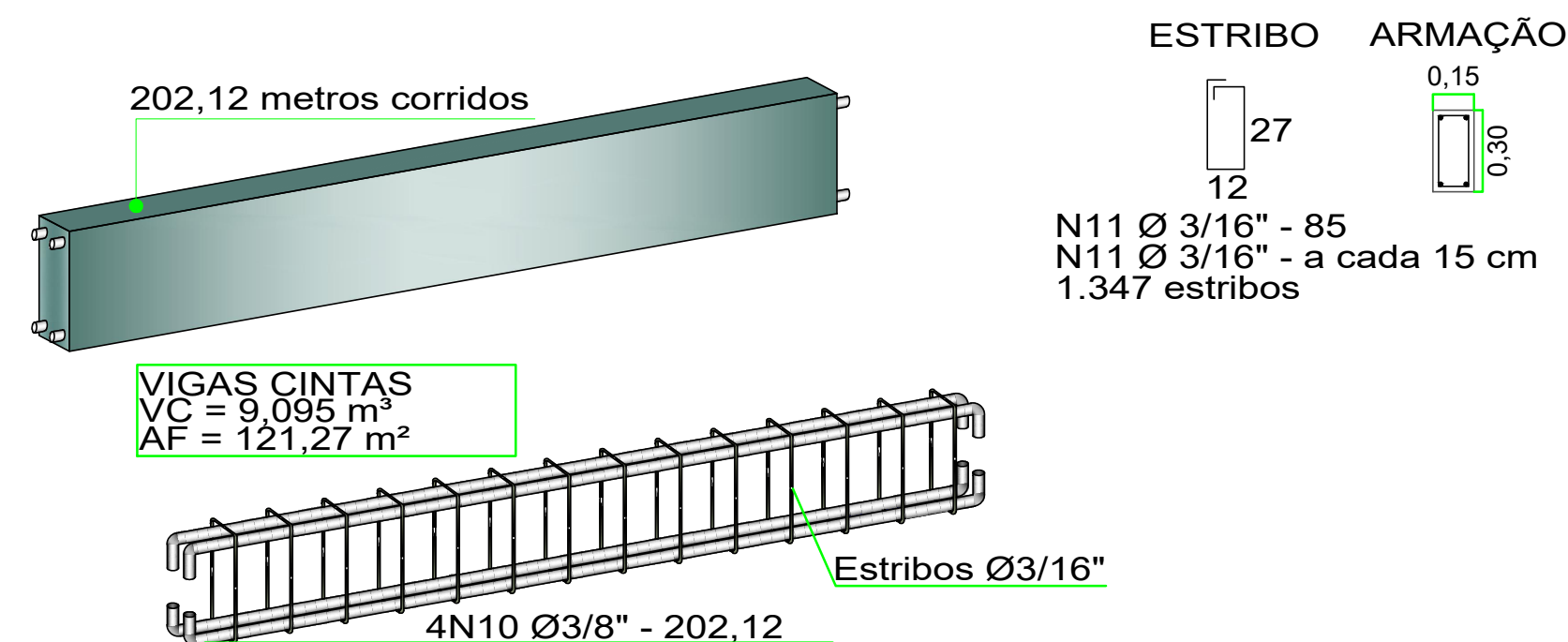
Somatória das VIGA BALDRAME
0,15xh0,30x285,36



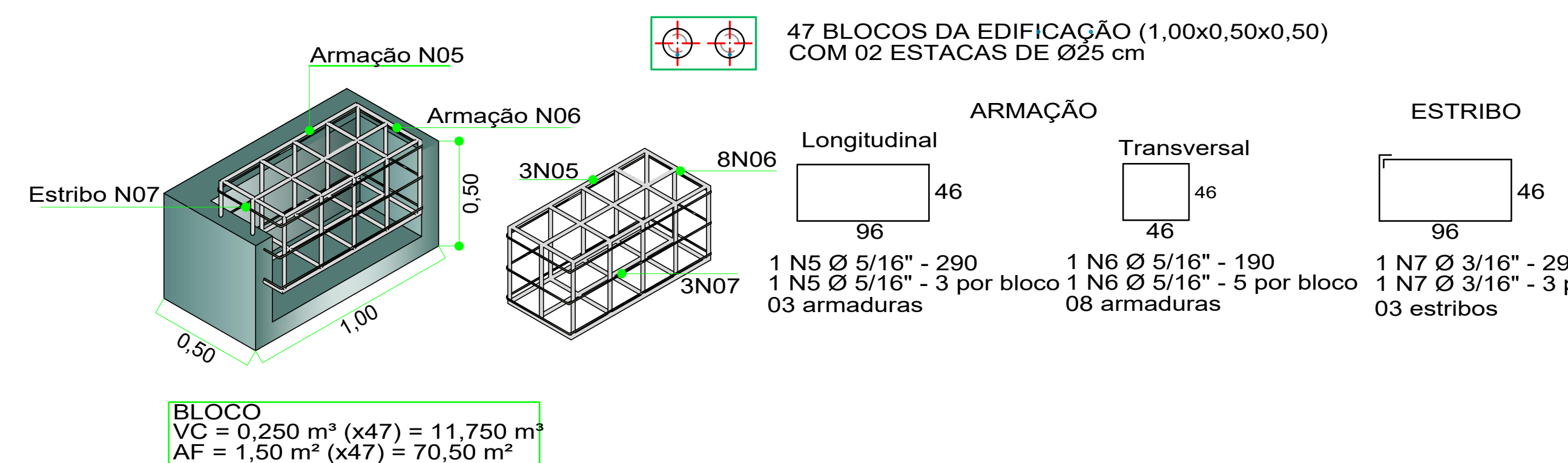
Somatória das VIGA INTERMEDIÁRIA
0,15xh0,30x77,60



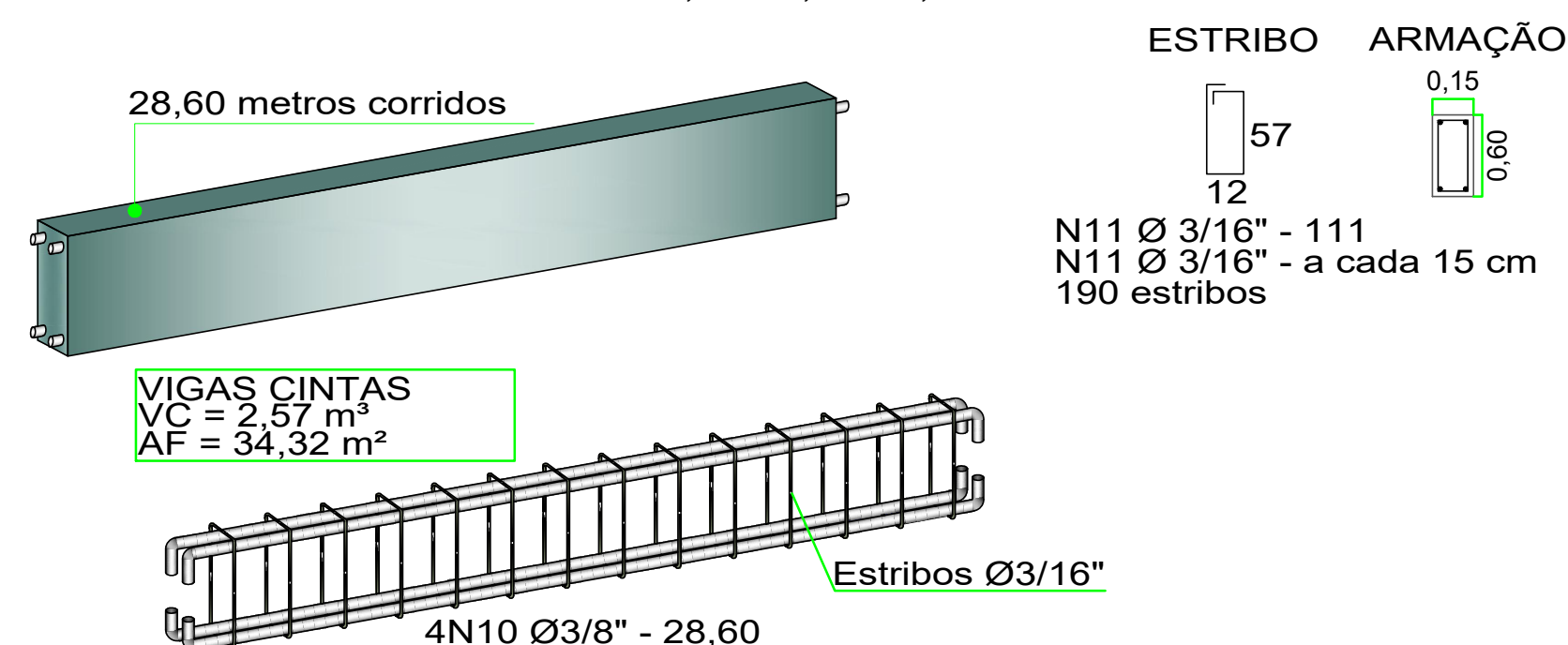
Somatória das 1ª VIGA CINTA 1
0,15xh0,30x202,12



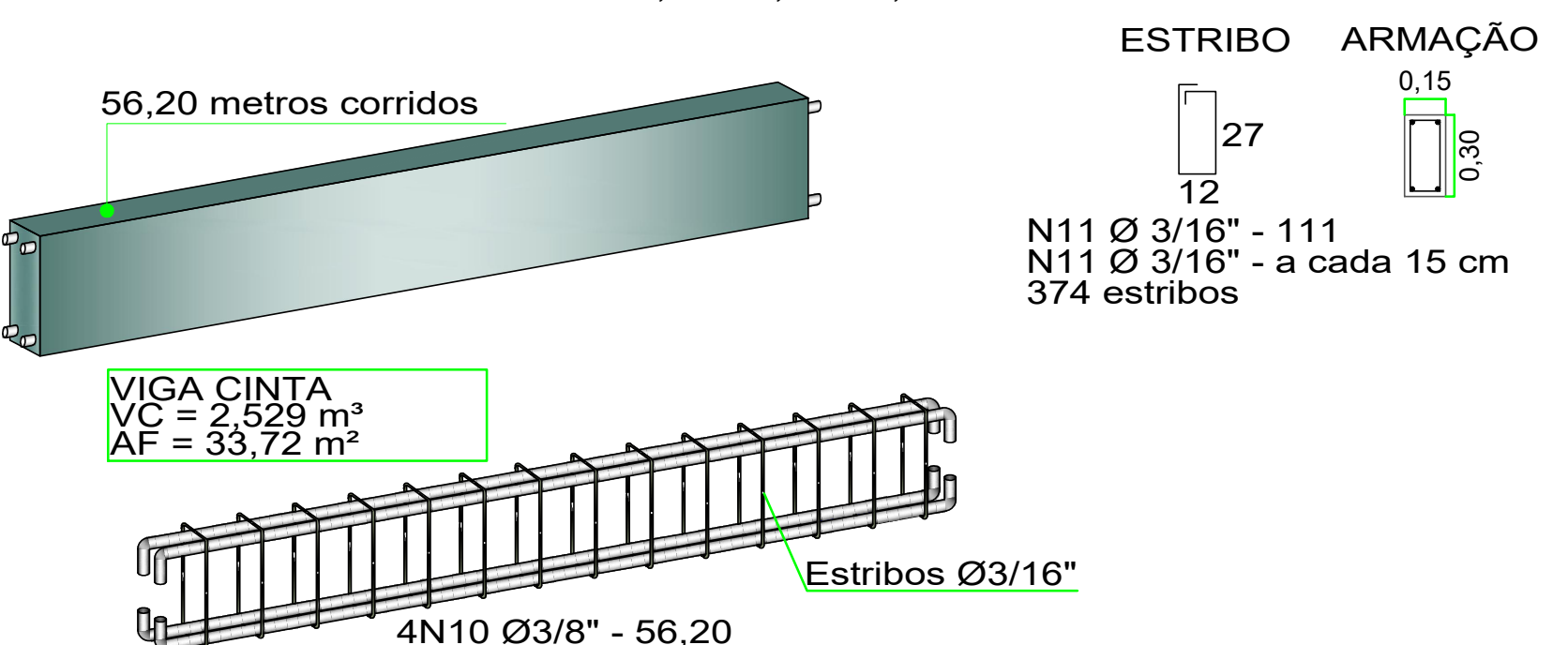
Bloco com estaca(x47)



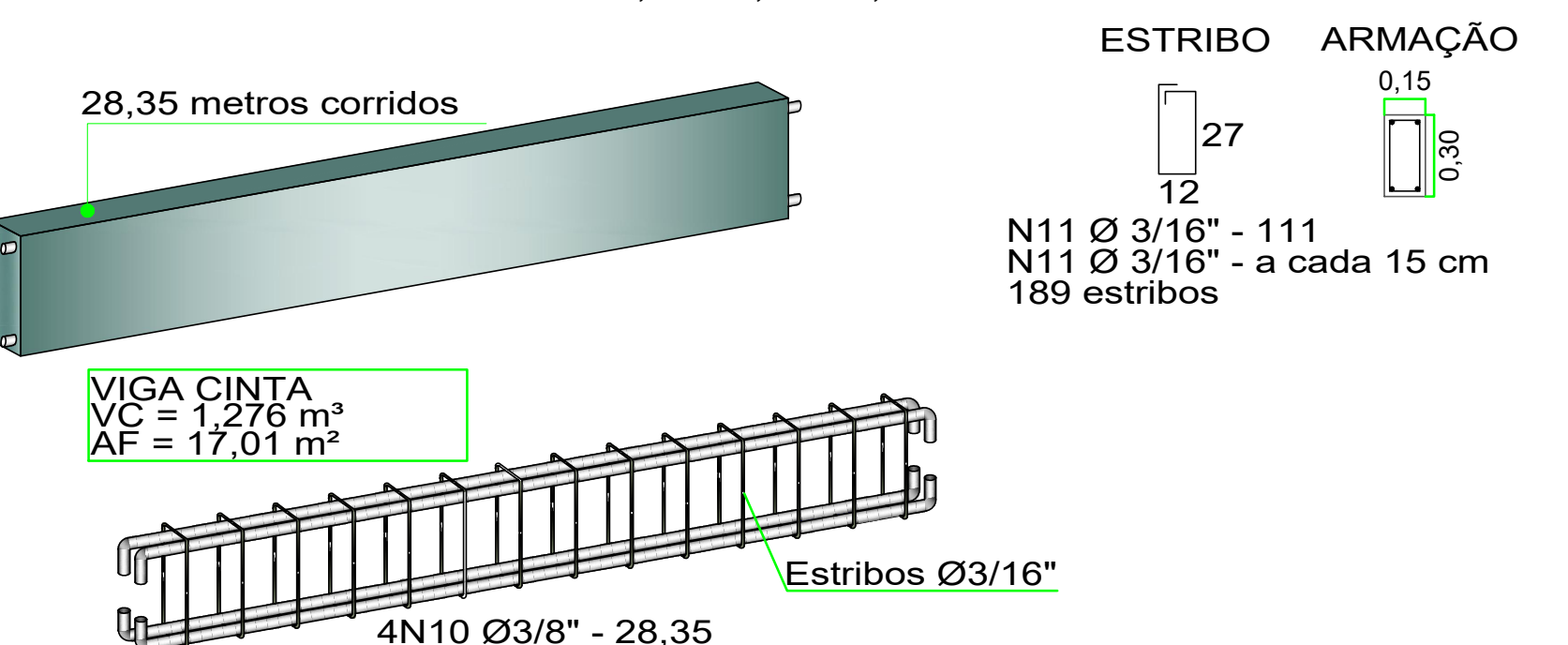
Somatória das 1ª VIGA CINTA 2
0,15xh0,60x28,60



Somatória das 2ª VIGA CINTA
0,15xh0,30x56,20



Somatória das 3ª VIGA CINTA
0,15xh0,30x28,35



CONTRATO: convênio nº ME 874406/2018 ART: 20191008803	VESTIÁRIOS ESTÁDIO VALDOMIRO JENSEN RESPONSÁVEL TÉCNICO: JULIANE M. RUARO KUHN ENGENHEIRO CIVIL CREA-PR 83329/D	PROPRIETÁRIO: TIAGO SANSANA DE CRISTO ENGENHEIRO CIVIL CREA-PR 158335/D	PREFEITURA MUNICIPAL DE IVAÍ LOCAL: IVAÍ - PR FOLHA: 04/04
OBRA: VESTIÁRIOS ESTÁDIO VALDOMIRO JENSEN REF: PROJETO ESTRUTURAL	DATA: FEVEREIRO/2019	ARQUIVO: 2019-1005	ESCALA: 1/50
UNIDADE: METRO	DESENHO: EOLISLAINE ZUBACZ		