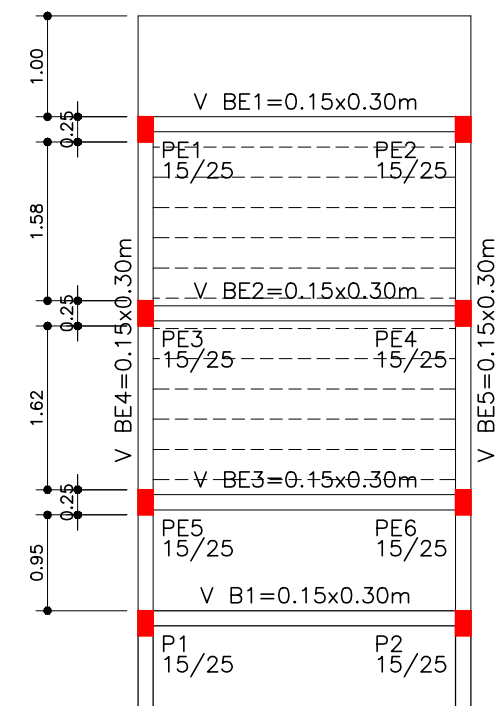


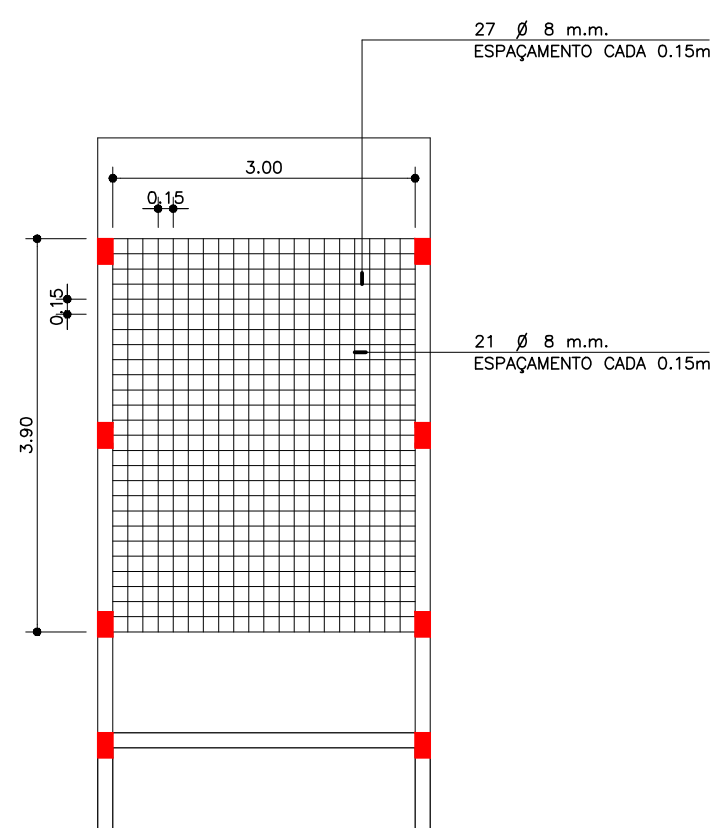
DETALHE – VIGA DE AMARRAÇÃO ESCADA 0.15x0.20m



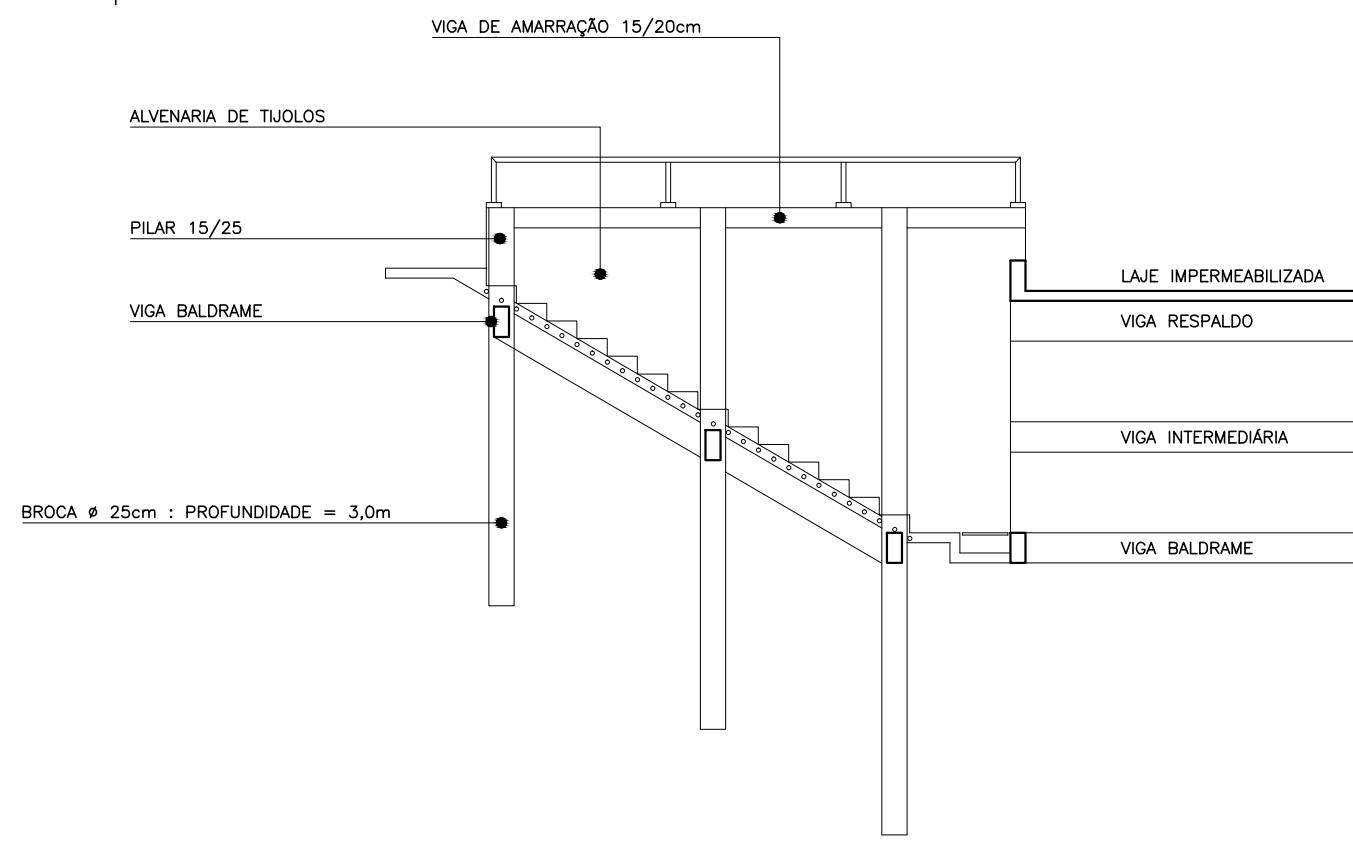
ESTRIBO



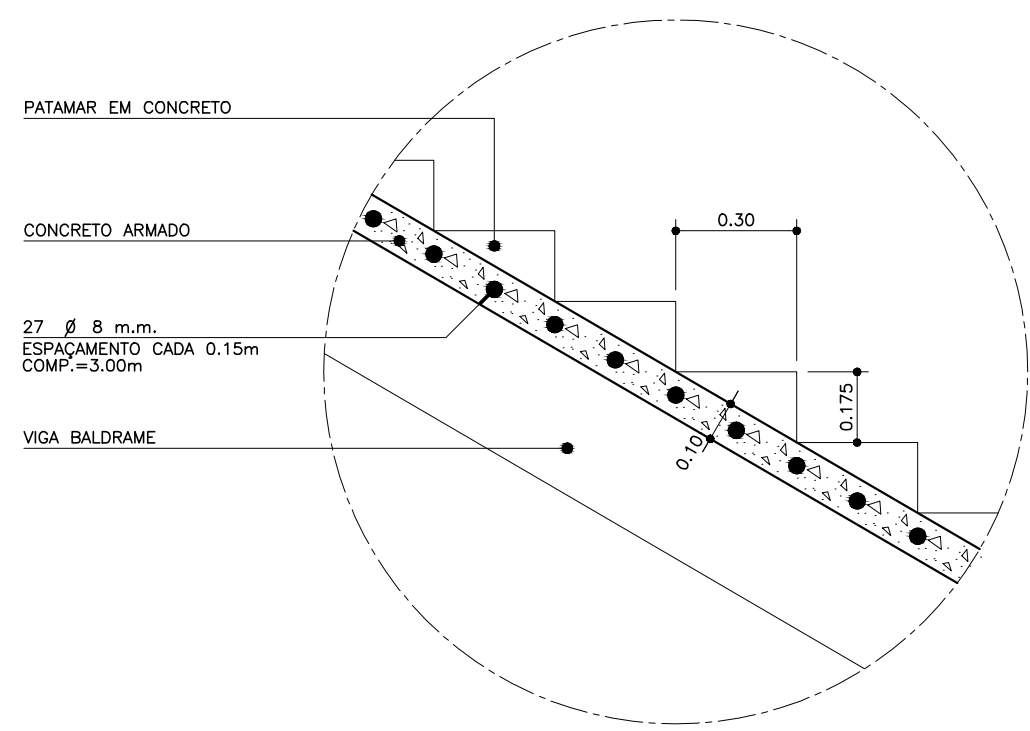
PLANTA – PILARES



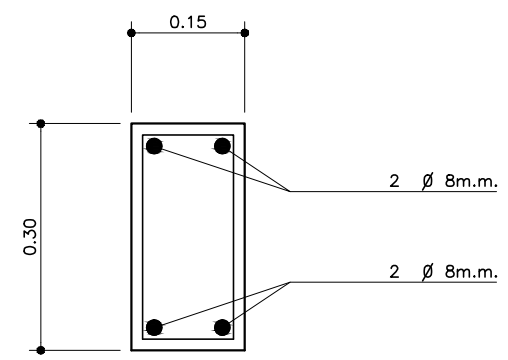
PLANTA – MALHA FERRAGEM



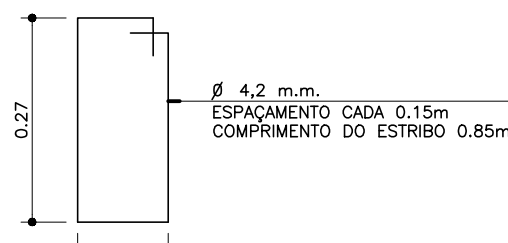
CORTE



DETALHE 01

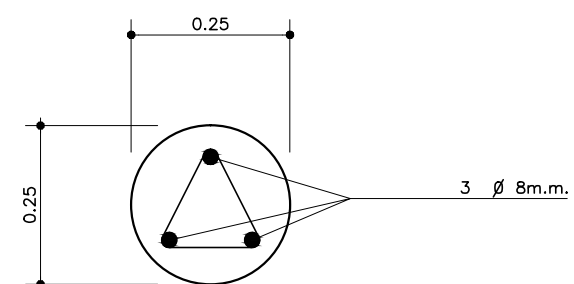


DETALHE – VIGA BALDRAME = 0.15x0.30m

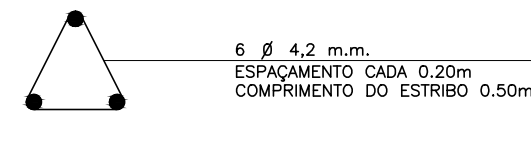


ESTRIBO

RESUMO DO AÇO – VIGA BALDRAME			
VOLUME CONCRETO FCK 25MPA = 5,17 M3			
ÁREA DE FORMA = 68,82 M2			
COMPRIMENTO	MASSA NOMINAL	KG	
Ø 8mm, C450	458,8	0,395	181,23
Ø 4,2mm, C460	649,95	0,109	90,99



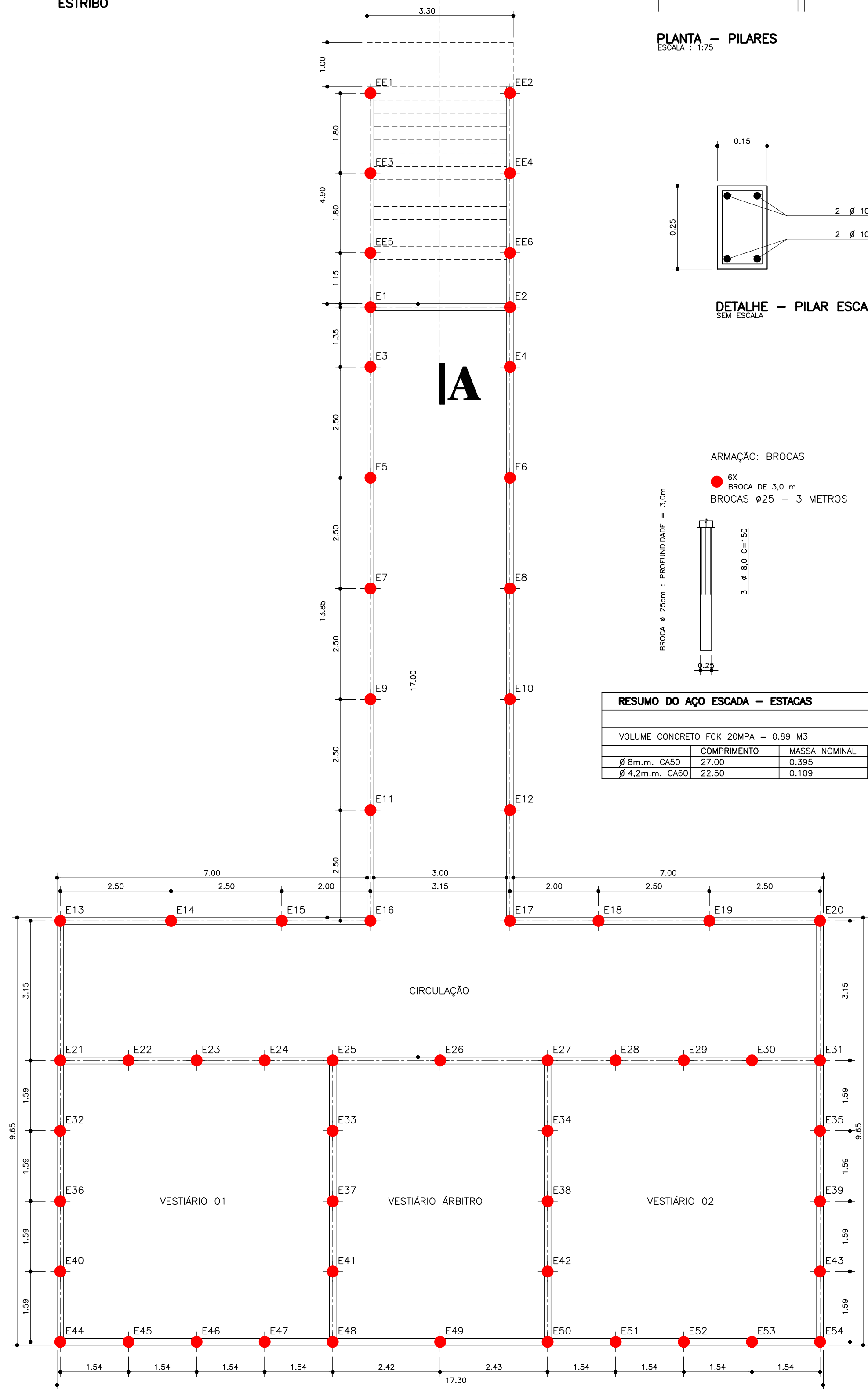
DETALHE – BROCA 54(X)=Ø 0.25m



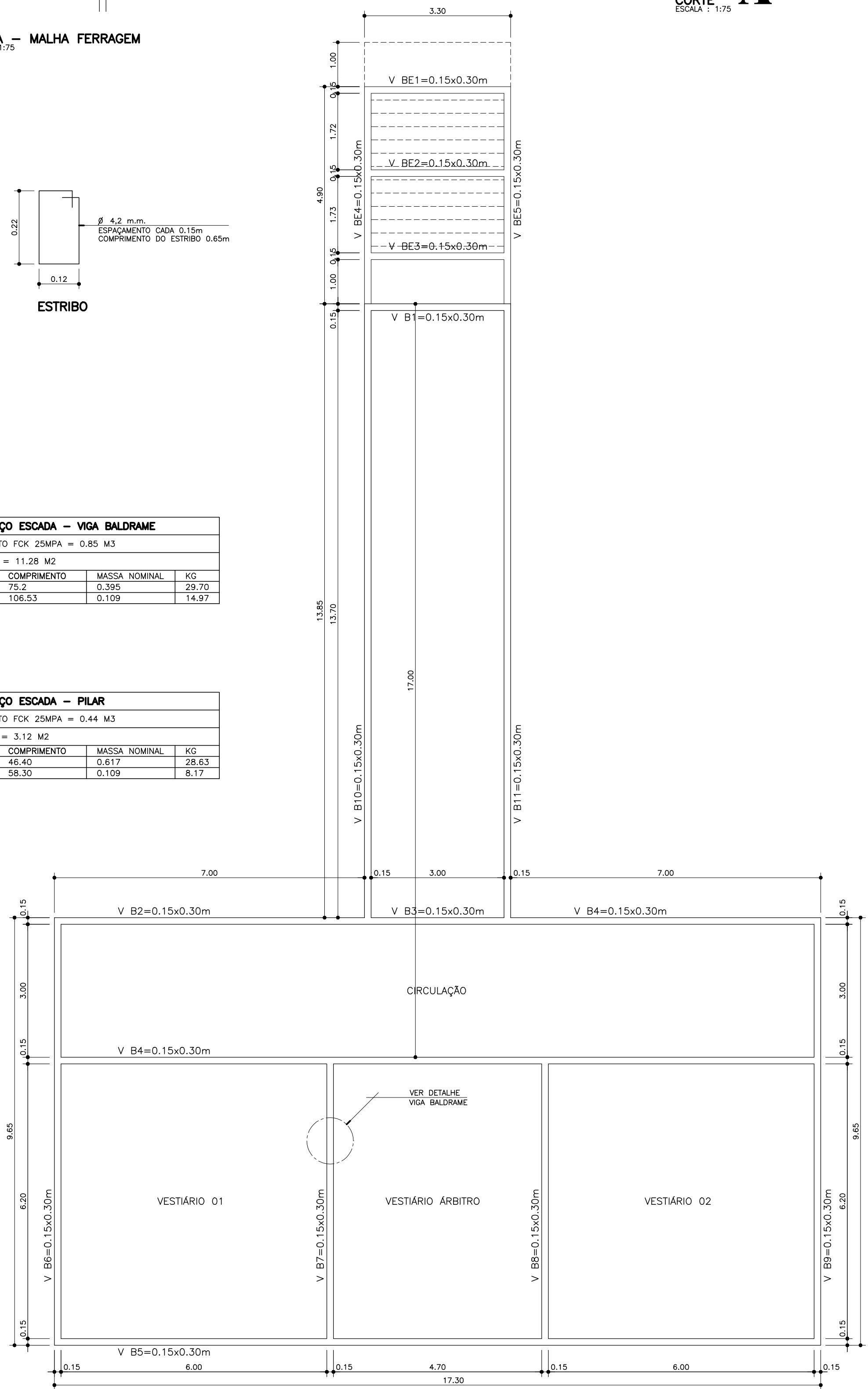
DETALHE – ESTRIBO

NOTA: PROFUNDIDADE DA BROCA = 1,00m
FCK 20 mpa

RESUMO DO AÇO – ESTACAS			
VOLUME CONCRETO = 31,80 M3			
ÁREA DE FORMA = 243,50 M2			
COMPRIMENTO	MASSA NOMINAL	KG	
Ø 8mm, C450	243,50	0,395	95,99
Ø 4,2mm, C460	202,50	0,140	28,35



PLANTA – ESTACAS



PLANTA – BALDRAME

OBRA:	CONSTRUÇÃO DE VESTIÁRIO – ESTÁDIO MUNICIPAL DR. ANTÔNIO PEREIRA LIMA		
LOCAL:	RUA BENEDITO DESIDÉRIO – SANTA MARIANA – PR.		
PROP.:	PREFEITURA MUNICIPAL DE SANTA MARIANA		
	ADMINISTRAÇÃO JORGE RODRIGUES NUNES		
PRANCHAS:	01/02	ESCALA:	INDICADA
		DATA:	JANEIRO DE 2017
ASSUNTO:	PROJETO ESTRUTURAL		
RESPONSÁVEL TÉCNICO			
GUSTAVO DE PAULA SPAGOLLA – ENG. CIVIL – CREA PR – 152.634/D – PORTARIA 041/2017			