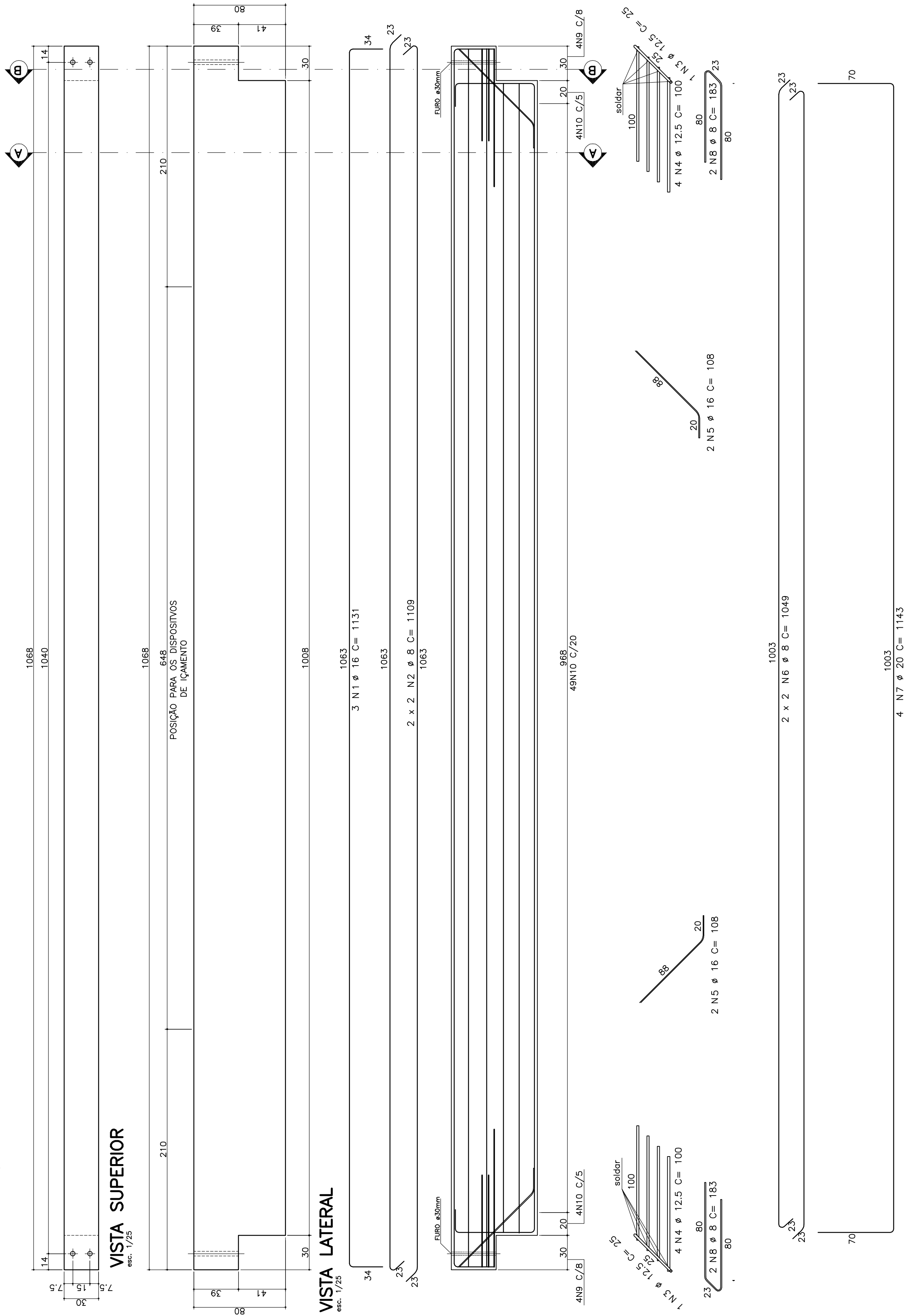


VIGAS VR22 30x80 - (2x)
VOLUME UNIT = 2.490m³

VOLUME UNIT.= 2,490m3
PESO UNIT.=6225kg

PESO UNIT.=6225kg



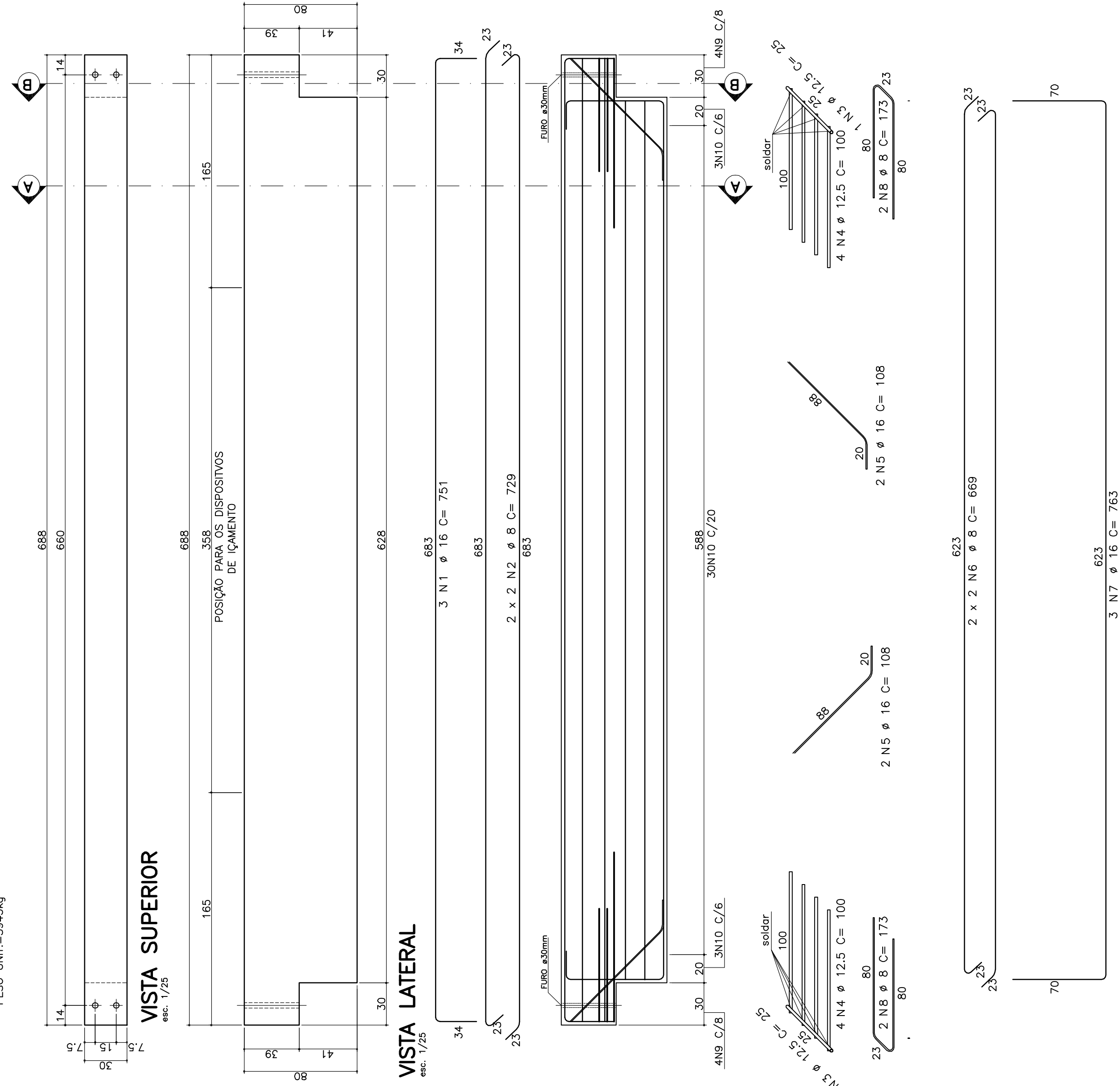
LISTA DE FERROS				
POS.	Ø	Q	COMPRIMENTOS	
			UNIT.(cm)	TOTAL (m)
1	16	6	1131	67,86
2	8	8	1109	69,72
3	12,5	4	25	1
4	12,5	16	100	16
5	16	8	108	8,64
6	8	8	1049	83,92
7	20	8	1143	91,44
8	8	8	183	14,64
9	8	16	137	21,92
10	8	114	209	238,26

RESUMO AÇO CA-50A		
Ø	COMPRIMENTO (m)	PESO (Kg)
8	447,46	179
12,5	17	17
16	76,5	122
20	91,44	229
TOTAL		547

VIGAS VR23 30x80 – (4x)

VOLUME UNIT.= 1,574
PESO UNIT.=3945kg

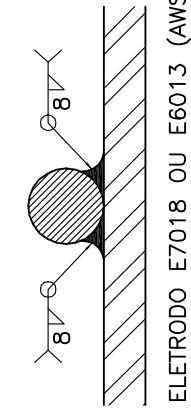
VOLUME UNIT.= 1.57
PESO UNIT.=3945kg



LISTA DE FERROS				COMPONENTES	
POS.	Ø	Q	UNIF (cm)	TOTAL (m)	
1	16	12	751	90.12	
2	8	16	729	116.64	
3	12.5	8	25	2	
4	12.5	24	100	24	
5	16	16	108	17.28	
6	8	16	689	107.04	
7	16	12	763	91.56	
8	8	16	173	27.68	
9	8	32	137	43.84	
10	8	144	209	300.96	

RESUMO AÇO CA-50A		
Ø	COMPRIMENTO (m)	PESO (kg)
8	596,16	238
12,5	26	26
16	198,96	318
TOTAL		592

SOLDA PARA CA50A



NOTAS GERAIS (PILARES E VIGAS PRÉ-MOLDADOS):

- [illegible]

7 SALAS DE AULA E LABORATÓRIOS
PADRÃO JARDIM DAS ROSAS

[illegible]