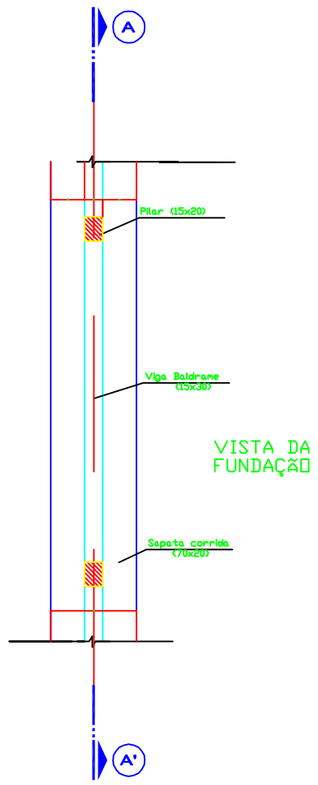
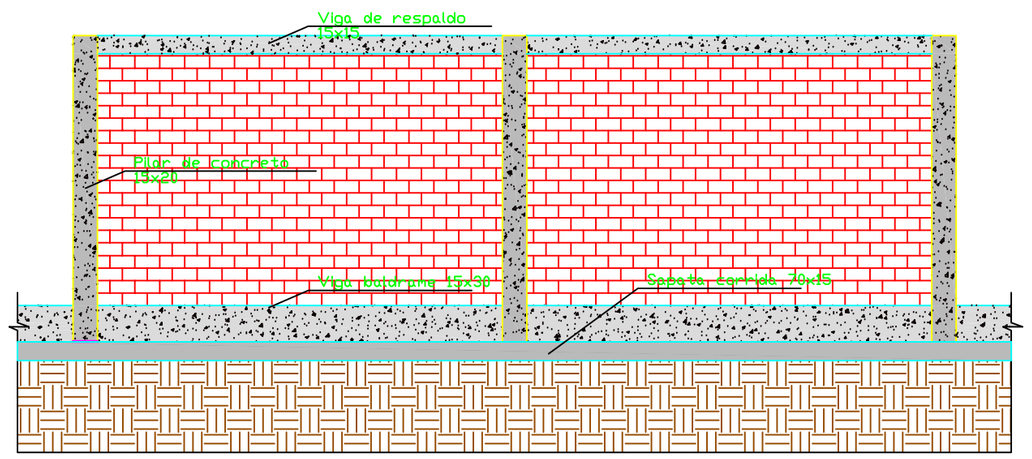


VISTA DA FUNDAÇÃO

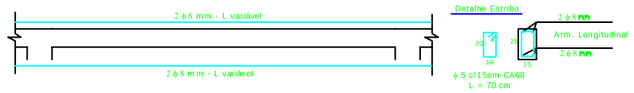


CORTE AA'

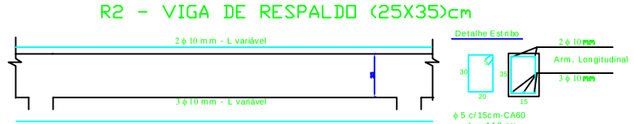
SALAS E LABORATÓRIO

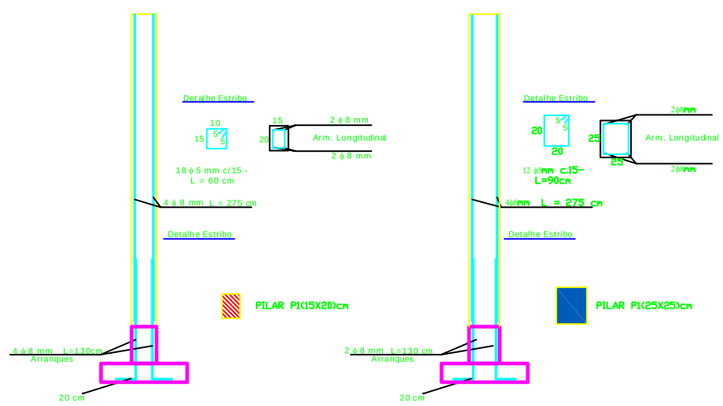
	concreto	CA 50A	CA 60B	compr.total (m.)	peso + 10%
sapatas	8,67	10		150,10	101,87
			5	950,63	161,04
Baldrames	4,09	10		94,05	63,83
			5	495,60	83,95
Pilares	2,99	8		312,00	135,56
			5	338,00	57,26
Viga Superior	5,47	10		95,00	64,48
		8		337,00	146,43
			5	532,50	90,21
Lajes	17,44	6,3		2520,54	679,53
	38,65			5825,42	1584,15

R1 - VIGA DE RESPALDO (15X25)cm

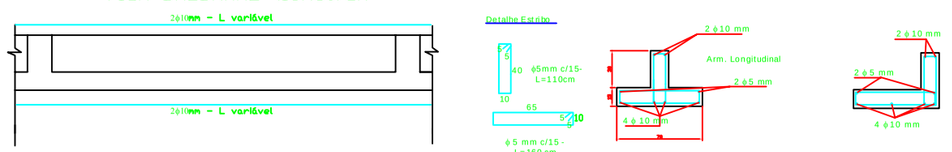


R2 - VIGA DE RESPALDO (25X35)cm





VIGA BALDRAME (15X30)cm



CLP ENGENHARIA E PROJETOS LTDA
CNPJ 13.166.504/0001-28
RUA ESPIRITO SANTO. 70 - CHARQUEADAS-RS
RESP. TEC.
ENGENHEIRO JOÃO BATISTA DURGANTE COLPO - CREA 42.629-RS
clpengenharia@gmail.com

ENGENHARIA E PROJETOS LTDA

MODIFICAÇÃO DE PROJETO:

PROJETO DE REFORMA ESCOLA MARIA ANGELICA

ENDEREÇO:

BR 471 KM 63 - TAIM -RIO GRANDE - RS

PREFEITO MUNICIPAL _____

FABIO DE OLIVEIRA BRANCO

RESP. TÉCNICO: _____

ENGENHEIRO JOÃO BATISTA DURGANTE COLPO-CREA 42.629-RS

DATA

20/11/2011

ESCALA

INDICADA

DESENHO

JOÃO

PROJETO ESTRUTURAL LABORATÓRIO E SALAS DE AULA

PRANCHA:

ÚNICA

PLANTA DE DETALHES