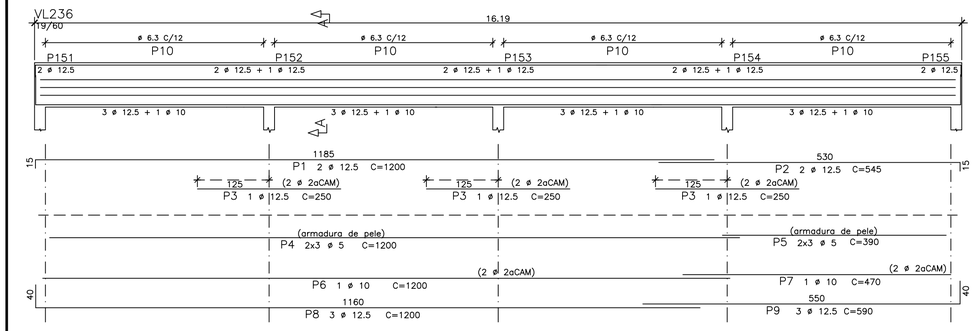
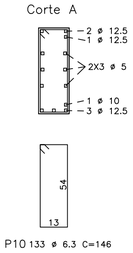
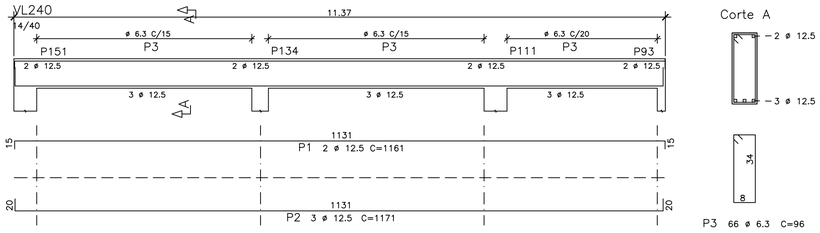
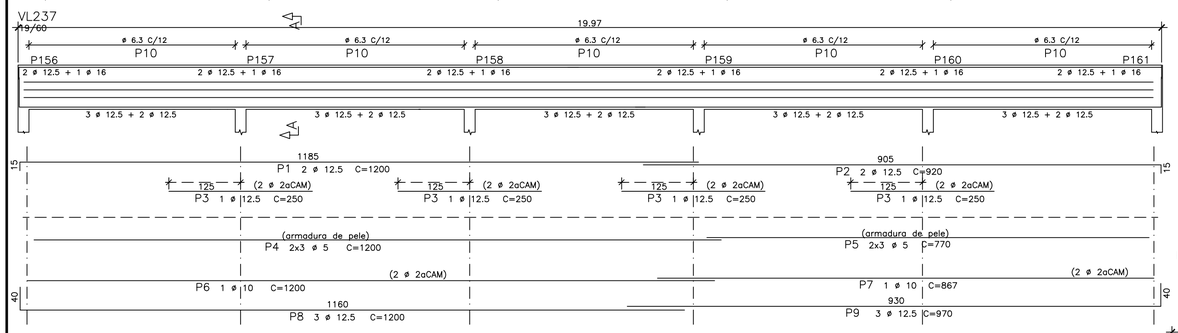
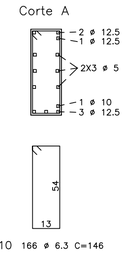
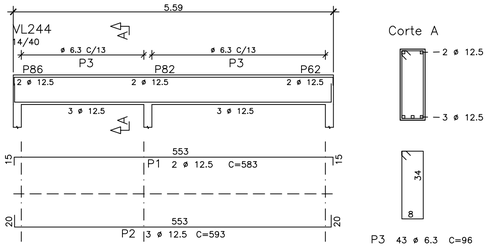


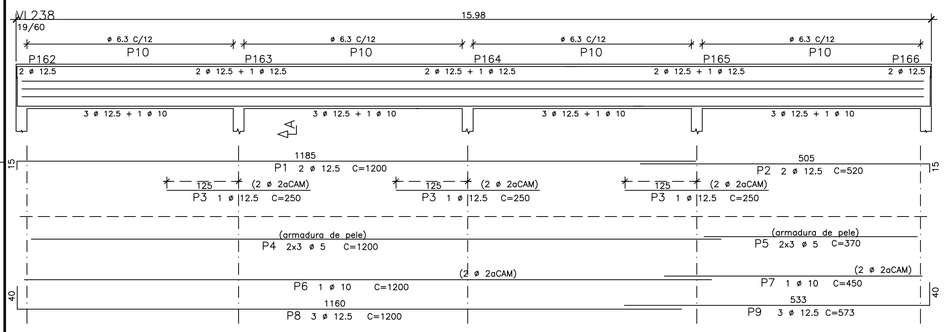


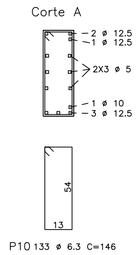


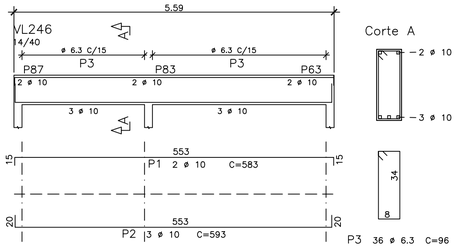


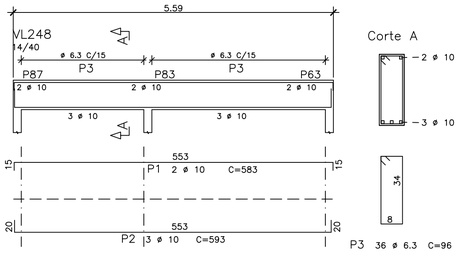






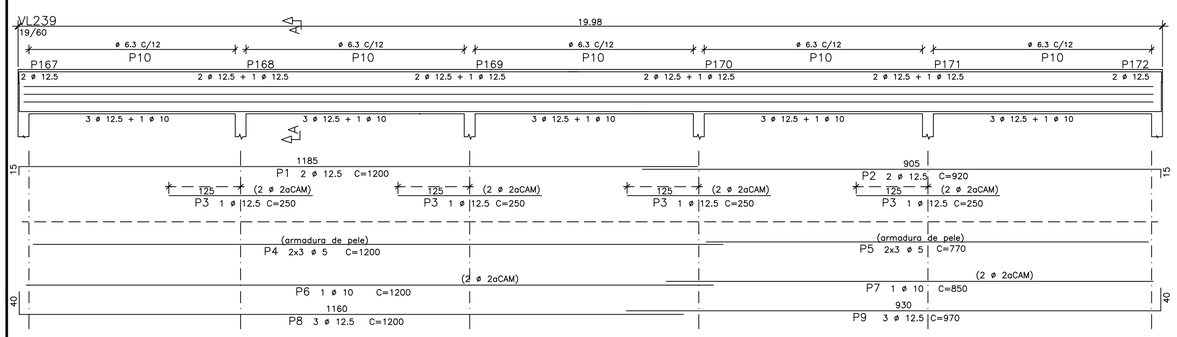


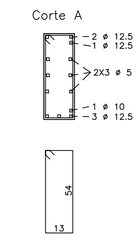


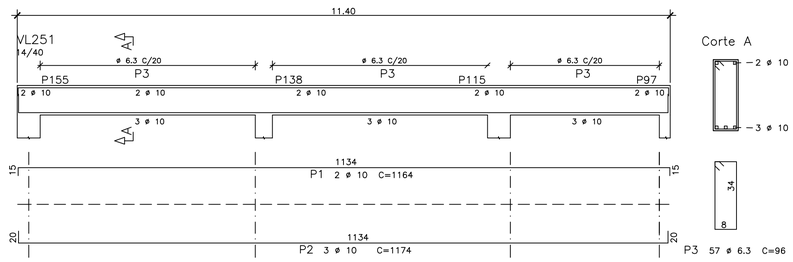


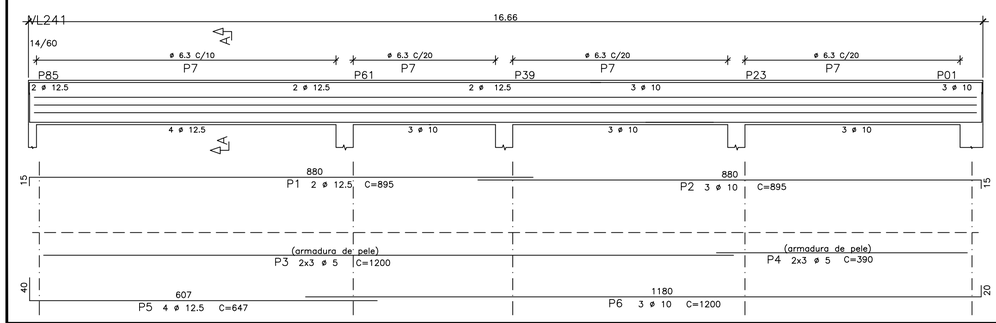
ACO	POS	BIT (mm)	QUANT	COMPRIMENTO UNIT (cm)	COMPRIMENTO TOTAL (cm)
VL236					
50A	1	12.5	2	1200	2400
50A	2	12.5	2	545	1090
50A	3	12.5	3	250	750
60B	4	5	6	1200	7200
60B	5	5	6	390	2340
50A	6	10	1	1200	1200
50A	7	10	1	470	470
50A	8	12.5	3	1200	3600
50A	9	12.5	3	590	1770
50A	10	6.3	133	146	19418
VL237					
50A	1	12.5	2	1200	2400
50A	2	12.5	2	920	1840
50A	3	12.5	4	250	1000
60B	4	5	6	1200	7200
60B	5	5	6	770	4620
50A	6	10	1	1200	1200
50A	7	10	1	867	867
50A	8	12.5	3	1200	3600
50A	9	12.5	3	970	2910
50A	10	6.3	166	146	24236
VL238					
50A	1	12.5	2	1200	2400
50A	2	12.5	2	520	1040
50A	3	12.5	3	250	750
60B	4	5	6	1200	7200
60B	5	5	6	370	2220
50A	6	10	1	1200	1200
50A	7	10	1	450	450
50A	8	12.5	3	1200	3600
50A	9	12.5	3	573	1719
50A	10	6.3	145	146	21170
VL239					
50A	1	12.5	2	1200	2400
50A	2	12.5	2	920	1840
50A	3	12.5	4	250	1000
60B	4	5	6	1200	7200
60B	5	5	6	770	4620
50A	6	10	1	1200	1200
50A	7	10	1	850	850
50A	8	12.5	3	1200	3600
50A	9	12.5	3	970	2910
50A	10	6.3	166	146	24236
VL240					
50A	1	12.5	2	1161	2322
50A	2	12.5	3	1171	3513
50A	3	6.3	66	96	6336
VL241					
50A	1	12.5	2	895	1790
50A	2	10	3	895	2685
60B	3	5	6	1200	7200
60B	4	5	6	390	2340
50A	5	12.5	4	647	2588
50A	6	10	3	1200	3600
50A	7	6.3	105	136	14280
VL244					
50A	1	12.5	2	583	1166
50A	2	12.5	3	593	1779
50A	3	6.3	43	96	4128
VL246					
50A	1	10	2	583	1166
50A	2	10	3	593	1779
50A	3	6.3	36	96	3456
VL248					
50A	1	10	2	583	1166
50A	2	10	3	593	1779
50A	3	6.3	36	96	3456
VL251					
50A	1	10	2	1164	2328
50A	2	10	3	1174	3522
50A	3	6.3	51	96	5472

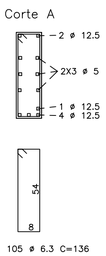
RESUMO ACO CA 50-60			
ACO	BIT (mm)	COMPR (m)	PESO (kg)
60B	5	521	78
50A	6.3	1262	315
50A	10	255	160
50A	12.5	558	558
Peso Total	60B =		78 kg
Peso Total	50A =		1034 kg
Peso Total + 10%			1223 kg











NOTAS:

- RECOBRIMENTO DAS PEÇAS DE CONCRETO = 3cm (UTILIZAÇÃO DE ESPAÇADORES OBRIGATÓRIA);
- AS PEÇAS DE CONCRETO MOLDADA IN LOCO DEVERÃO SER VIBRADAS COM VIBRADORES DE IMERSÃO;
- NÃO TOMAR MEDIDAS EM ESCALA;
- HAVENDO DIVERGENCIA ENTRE AS COTAS E A ESCALA PREVALECE A COTA;
- VERIFICAR MEDIDAS "IN LOCO";
- A EXECUÇÃO DA ESTRUTURA DEVERÁ ESTAR DE ACORDO COM O ESTABELECIDO NAS NORMAS: NBR-6118/2003, NBR-6122/1996, NBR-12655/2006 E NBR 14931/2004;
- JUNTA DE DILATAÇÃO COM 2cm DE ESPESSURA, UTILIZAR ISOPOR OU NEOPRENE;

MATERIAIS:

AÇO CA50

CONCRETO PARA VIGAS LAJE:

CLASSE: C25 (fck > 25MPa) AGRESSIVIDADE: II
FATOR A/C: ≤ 0,60 FISSURAÇÃO: ≤ 0,3mm
CIMENTO: > 300Kg/m3 Ecs28: > 24GPa
SLUMP: 10 +- 1

REVOO		
DATA	INFORMAÇÕES/MODIFICAÇÕES	CONFERIDO;APROVADO

PROJETO ESTRUTURAL

PROJETOS, ASSESSORIA E TRABALHOS TÉCNICOS
SÃO JOSÉ DOS CAMPOS - SP

RESP TECNICO: JOSÉ ARNALDO ELISEI JR
CREA: 5062304923

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE SÃO JOSÉ DOS CAMPOS SP.

OBRA/LOCAL: EMEF HELIO AUGUSTO

PROJETO:
2° PAVIMENTO
ARMAÇÃO VIGAS LAJE

DES.:
DATA: FEV/2023
ESCALA: 1:50

FOLHA Nº 42
rev00

QUALQUER ALTERAÇÃO DE PROJETO SEM A DEVIDA AUTORIZAÇÃO DO AUTOR, PODERÁ IMPLICAR NO CANCELAMENTO DA REPONSABILIDADE TECNICA.