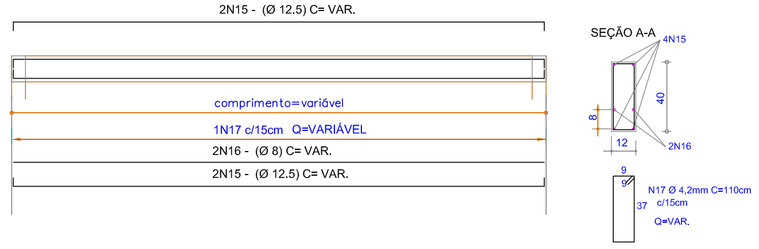
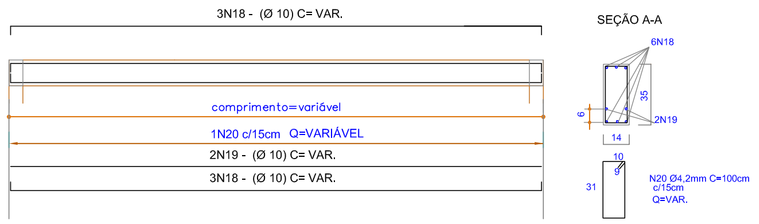
ARMADURAS DAS VIGAS NA COTA 3,15m

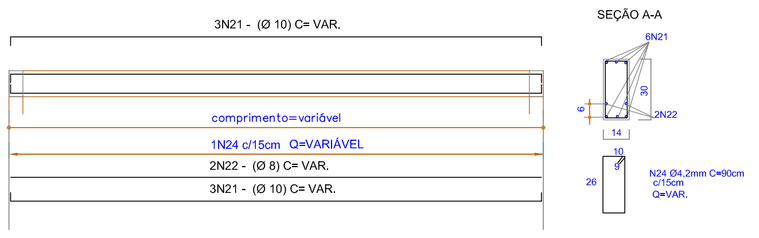
V1(12X40)=V24=V25=V28



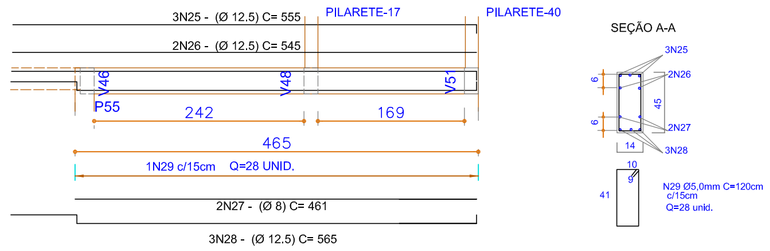
V2(14X35) =V5=V6=V7= V8=V10=V11=V12=V14=V17=V20=V21=V22a=V23= V26=V29=V31=V32=V33=V36=V41=V43=V46=V49=V50=V52.



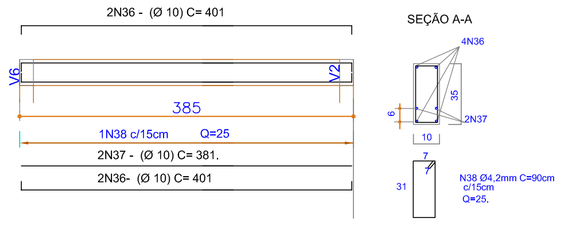
V13(14X30)=V16=V18=V34=V37=V38=V39=V40=V42=V44=V45.



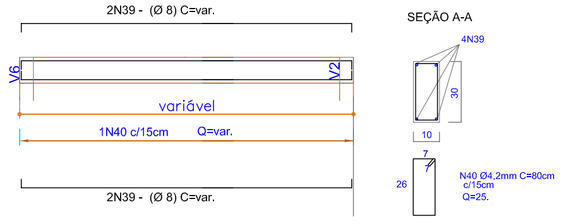
V22b (14X45)



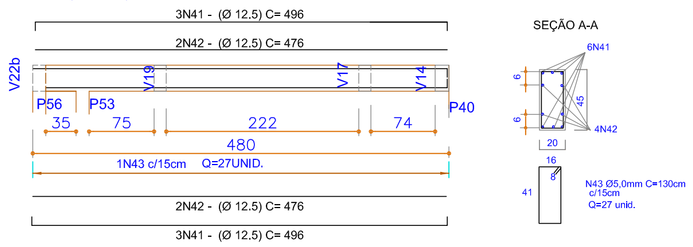
V27(10X35)



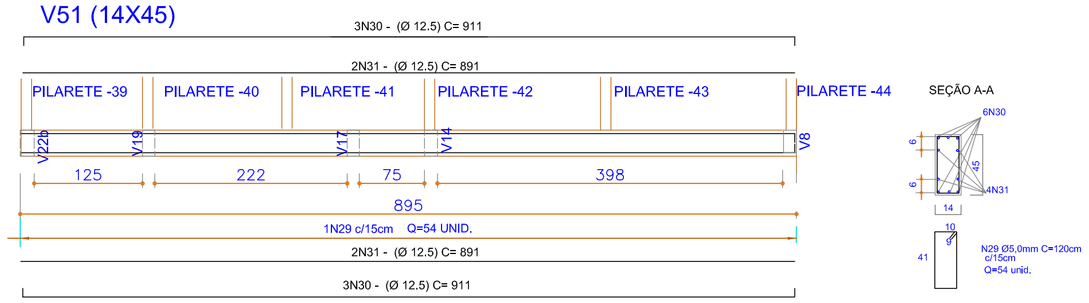
V30b(10X30) = V47



V48(20X45)



V51 (14X45)

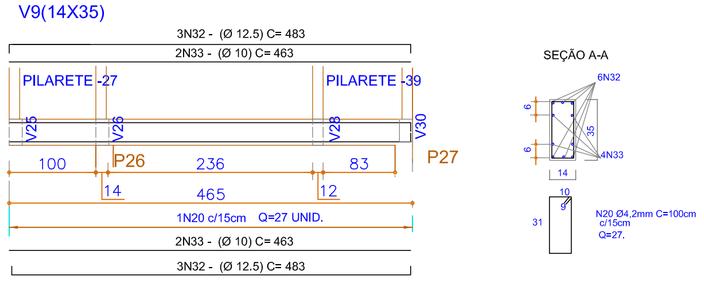


OBS.: A LAJE DEVERÁ TER UMA MALHA DE 30CM X 30CM COM

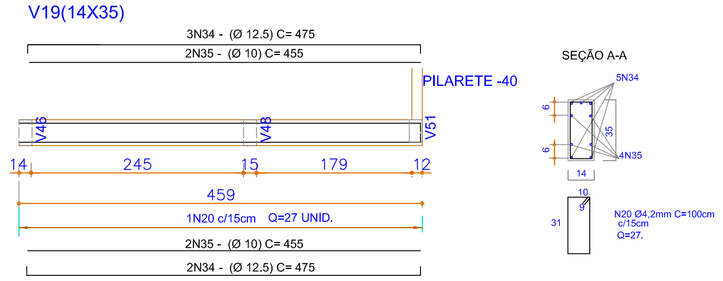
N44 Ø 4,2mm EM TODA SUA ÁREA 457,03m2.

OBS.: AS VIGAS DE RESPALDO TERÃO A LARG. DO TIJOLO E h= 10cm e ARMADURA MÍNIMA. E SERÁ 4N45- Ø5,0mm ESTRIBOS 1N46(4,2mm) (9X10) C=40cm c/20cm Q= 460unid.

V9(14X35)



V19(14X35)

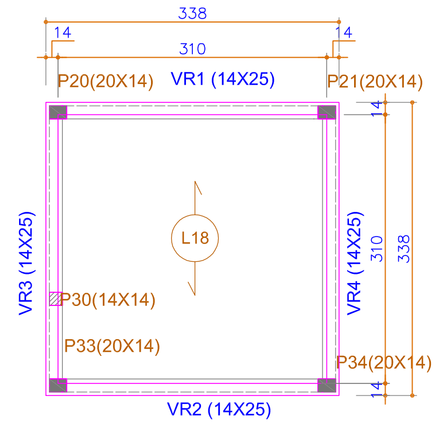


RESISTÊNCIA DO CONCRETO:

ESTACAS = 20mPa
BLOCOS = 20mPa
VIGAS DE BALDRAME = 20mPa
PILARES= 22mPa
VIGAS SUPERIORES = 22 mPa
LAJES = 22 mPa

VOLUME DE CONCRETO:

Estacas: 15,429 m³
Blocos: 7,053 m³
Vigas de Baldrame: 15,34 m³
Pilares: 6,751m³
VIGAS SUPERIORES: 16,321m³
VIGAS DE RESPALDO: 0,843m³
LAJES:32,79m³

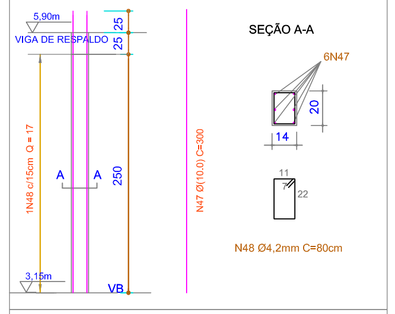


PL. DE FORMAS DE VIGAS E LAJE DA COBERTURA DA CX. D' ÁGUA

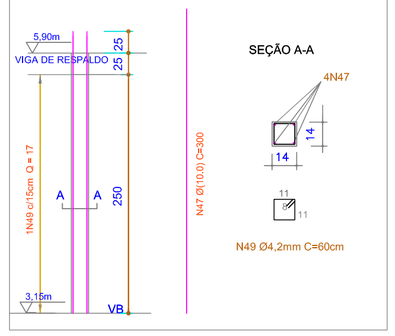
COTA - 5,90m

ESCALA: 1:50

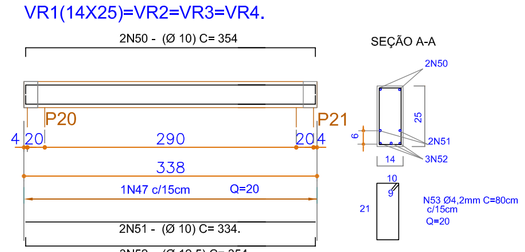
P20=P21=P33=P34.



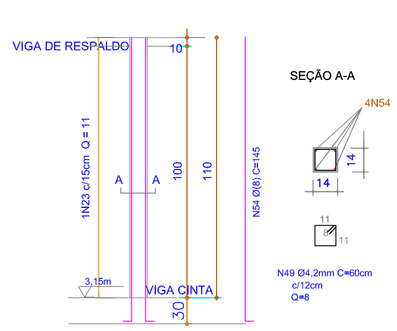
P30.



VR1(14X25)=VR2=VR3=VR4.



PILARETES 1 (14X14) ....P43.



QUADRO DA RELAÇÃO DO AÇO

BLOCOS, VIGAS DE BALDRAMES E PILARES

AÇO	TIPO	DIÂM. (mm)	QUANT.	COMP.UNIT. (cm)	COMP. TOTAL (cm)
50-A	N1	8,0	252	222	55944
50-A	N2	8,0	378	146	55188
50-B	N3	5,0	252	237	59724
50-A	N4	8,0	252	165	41580
50-A	N5	8,0	252	140	35280
50-A	N6	10,0	6	15200	91200
50-B	N7	4,2	962	100	96200
50-A	N8	10,0	6	16370	98220
50-B	N9	4,2	1036	90	93240
50-A	N10	10,0	276	315	86940
50-B	N11	4,2	1159	80	92720
50-A	N12	10,0	90	365	32850
50-A	N13	10,0	16	315	5040
50-A	N14	10,0	38	100	3800
50-A	N15	12,5	4	6480	25920
50-A	N16	8,0	2	6390	12780
50-B	N17	4,2	404	110	44440
50-A	N18	10,0	6	24700	148200
50-A	N19	10,0	2	24700	49400
50-B	N20	4,2	1618	100	161800
50-A	N21	10,0	6	5165	30990
50-A	N22	8,0	2	5165	10330
50-A	N23	0,0	0	0	0
50-B	N24	4,2	327	90	29430
50-A	N25	12,5	3	555	1665
50-A	N26	8,0	2	545	1090
50-A	N27	8,0	2	461	922
50-A	N28	12,5	3	565	1695
50-B	N29	5,0	28	120	3360
50-A	N30	12,5	6	911	5466
50-A	N31	12,5	4	891	3564
50-A	N32	12,5	6	483	2898
50-A	N33	10,0	4	463	1852
50-A	N34	12,5	5	475	2375
50-A	N35	10,0	4	455	1820
50-A	N36	10,0	4	401	1604
50-A	N37	10,0	2	381	762
50-B	N38	4,2	25	90	2250
50-A	N39	8,0	4	455	1820
50-B	N40	4,2	25	80	2000
50-A	N41	12,5	6	496	2976
50-A	N42	12,5	4	476	1904
50-B	N43	4,2	27	130	3510
50-B	N44	4,2	1	2590	2590
50-B	N45	5,0	4	9358	37432
50-B	N46	4,2	40	460	18400
50-A	N47	10,0	28	300	8400
50-B	N48	4,2	68	80	5440
50-B	N49	4,2	361	60	21660
50-A	N50	10,0	8	354	2832
50-A	N51	10,0	8	334	2672
50-A	N52	12,5	12	354	4248
50-B	N53	4,2	80	80	6400
50-A	N54	8,0	172	145	24940

QUADRO RESUMO DE BARRAS

Ø	COMPRIM.	PESO + 3%	BARRAS	AÇO
4,2 mm	580080	621,38 kg	498	CA-60-B
5,0 mm	100516	165,65 kg	86	CA-60-B
8,0 mm	239874	988,28 kg	206	CA-50-A
10,0mm	566582,00	3676,55 kg	486	CA-50-A
12,5mm	52711	542,92 kg	45	CA-50-A

projeto: **ESTRUTURAL**

Tipo de edificação: UNIDADE BÁSICA DE SAÚDE

prop.: PREFEITURA MUNICIPAL DE IRINEÓPOLIS

localiz. da obra.: RIO BRANCO E SERRINHA- IRINEÓPOLIS- SC

resp. técnico:

Prefeito Municipal

des.: JAP data: 04/2014

fls.: 03/03

área a construir: 398,00 m²

escalas: INDICADAS

ref.: DET. DA ARMADURA DAS VIGAS E PILARES DA COBERTURA PL. DE FORMAS DE VIGAS, PILARES E LAJE DA CX. D' AGUA.

obra: EDIFICAÇÃO EM ALVENARIA PARA FINS SAÚDE