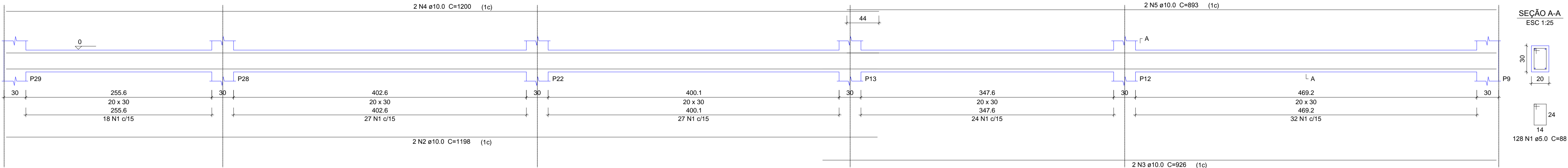


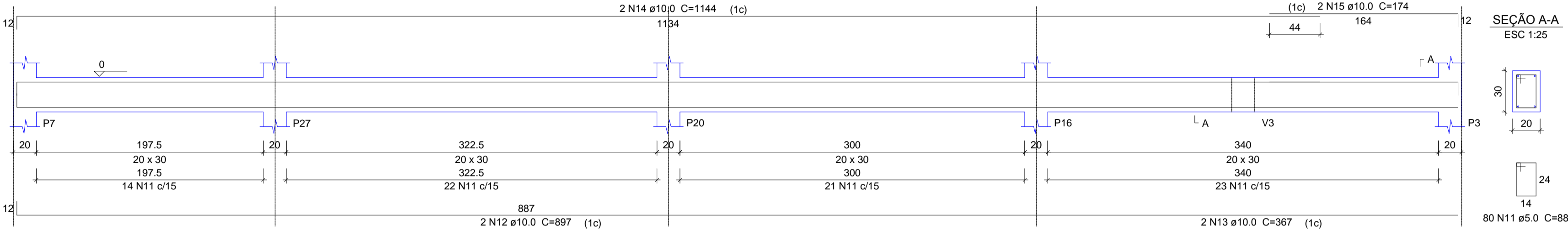
V12

ESC 1:30



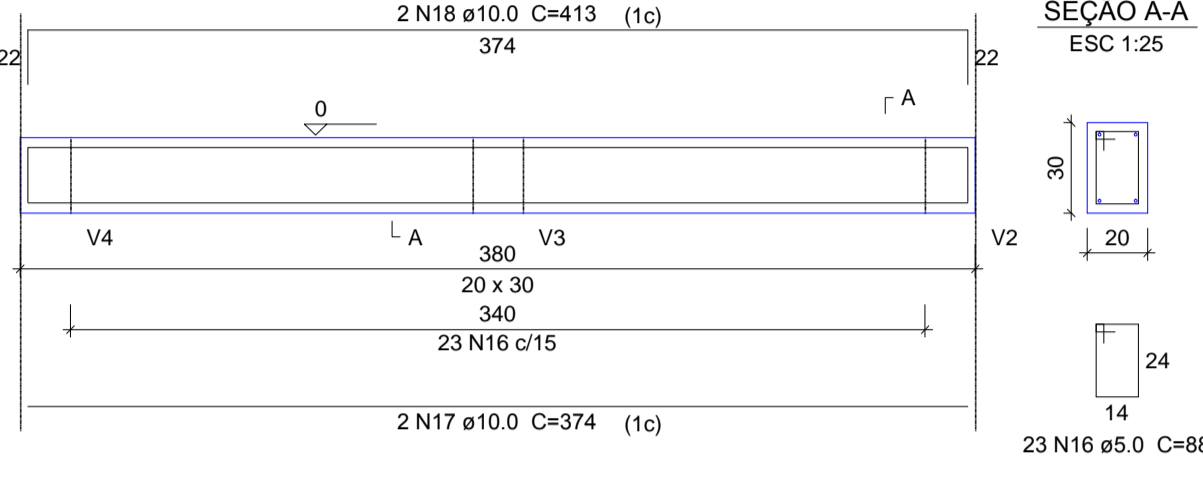
V15

ESC 1:30



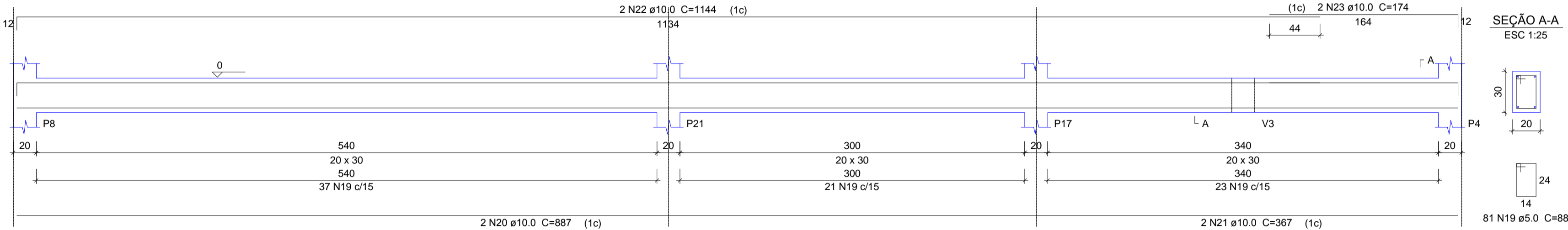
V16

ESC 1:30



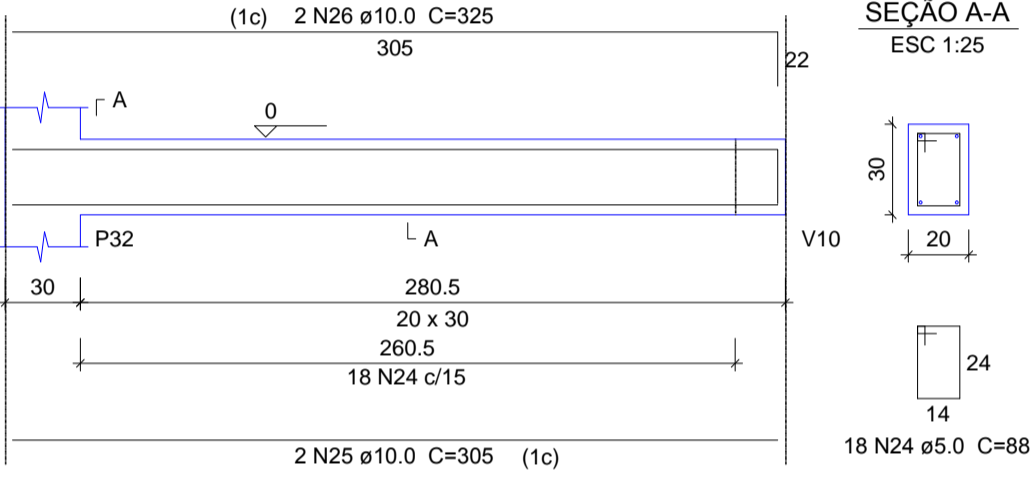
V17

ESC 1:30



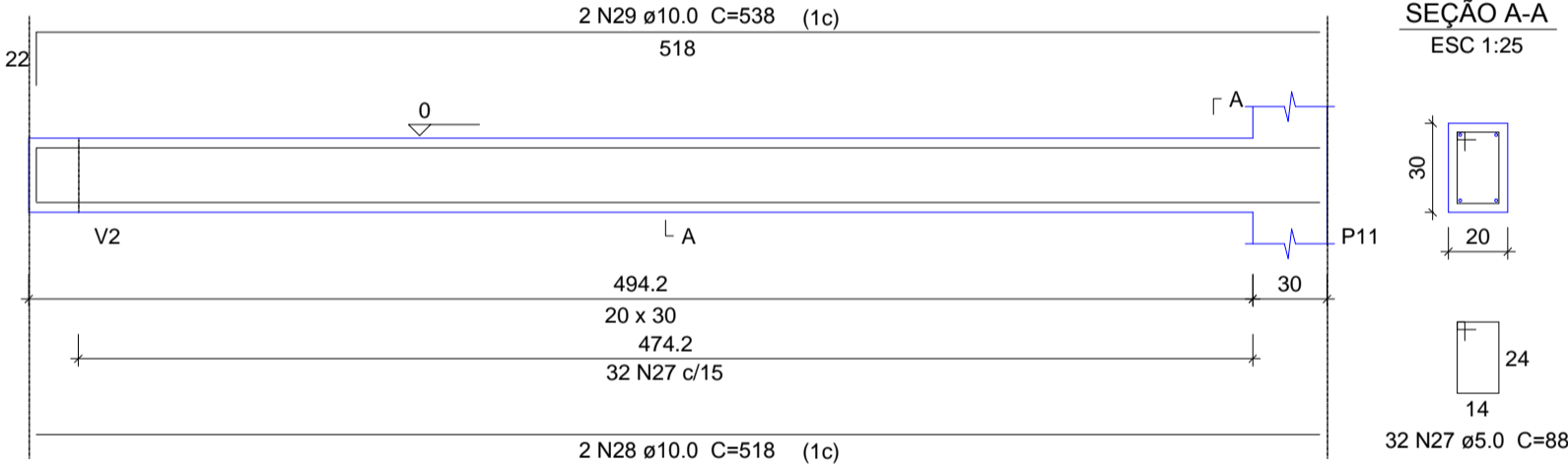
V18

ESC 1:30



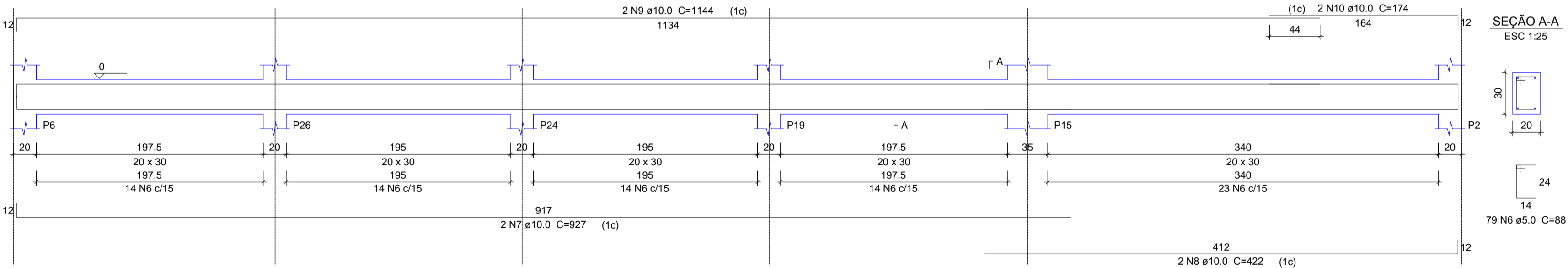
V19

ESC 1:30



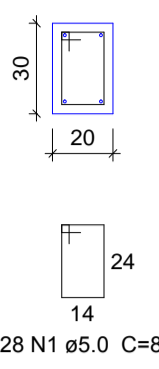
V14

ESC 1:30

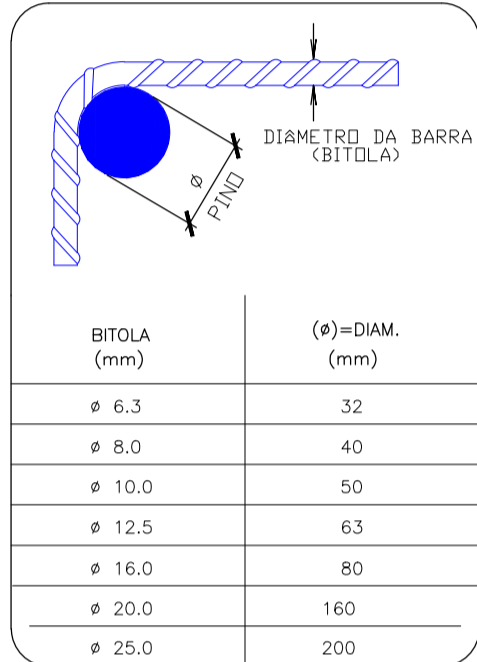


SEÇÃO A-A

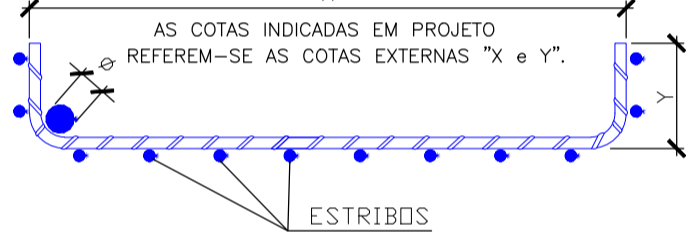
ESC 1:25



PINO DE DOBRAMENTO



DOBRAS ARMS. LONGITUDINAIS



Relação do aço

ELEMENTO	AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
V12	CA60	1	5.0	128	88	11264
	CA50	2	10.0	2	1198	2396
	CA50	3	10.0	2	926	1852
	CA50	4	10.0	2	1200	2400
V14	CA50	5	10.0	2	893	1786
	CA60	6	5.0	79	88	6952
	CA50	7	10.0	2	927	1854
	CA50	8	10.0	2	422	844
V15	CA50	9	10.0	2	1144	2288
	CA50	10	10.0	2	174	348
	CA60	11	5.0	80	88	7040
	CA50	12	10.0	2	897	1794
V16	CA50	13	10.0	2	367	734
	CA50	14	10.0	2	1144	2288
	CA50	15	10.0	2	174	348
	CA60	16	5.0	23	88	2024
V17	CA50	17	10.0	2	374	748
	CA50	18	10.0	2	413	826
	CA60	19	5.0	81	88	7128
	CA50	20	10.0	2	887	1774
V18	CA50	21	10.0	2	367	734
	CA50	22	10.0	2	1144	2288
	CA50	23	10.0	2	174	348
	CA60	24	5.0	18	88	1584
V19	CA50	25	10.0	2	305	610
	CA50	26	10.0	2	325	650
	CA60	27	5.0	32	88	2816
	CA50	28	10.0	2	518	1036
	CA50	29	10.0	2	538	1076

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	10.0	290.3	178.9
CA60	5.0	388.1	59.8
PESO TOTAL			
CA50	178.9		
CA60	59.8		

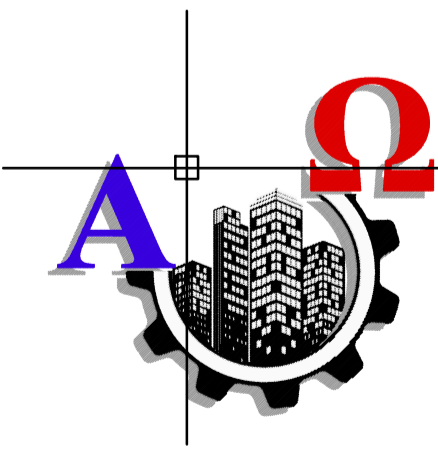
NOTAS:

DESENHO ENVIADO	
DATA: 09/04/2018	
<input type="checkbox"/> PARA APROVAÇÃO	
<input type="checkbox"/> PARA ORÇAMENTO	
<input type="checkbox"/> PARA EXECUÇÃO	
REVISÃO	DATA
00	23/05/2018
PARA EXECUÇÃO	
DESCRÇÃO	DES. VERIF.
GILSON	GILSON

GILSON JOSÉ GUIDOTTI Engº civil CREA 5069715818  
FELIPE LUIZ MORETTI Engº civil CREA 5069737669

RESPONSÁVEL

ART N°. \_\_\_\_\_ CPF: \_\_\_\_\_



Alpha & Omega  
CONSULTORIA  
&  
PROJETOS

ENGº - FELIPE LUIZ MORETTI CREA 5069737669  
ENGº - GILSON JOSÉ GUIDOTTI CREA 5069715818  
eng.aeo@outlook.com.br

Cliente:

CODEN

Obra:

ETA SANTO ANGELO - LABORATÓRIO

Cidade:

Nova Odessa - SP

Descrição:

PROJETO EXECUTIVO  
DETALHAMENTO VIGAS BALDRAME  
FUNDAÇÃO

des FELIPE L.M. 25/03/2018

aprov GILSON J.G. 25/03/2018

Projeto

DESENHO Nº:

A&O-011-1-EX-EC-F04-R00

rev.

folha

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