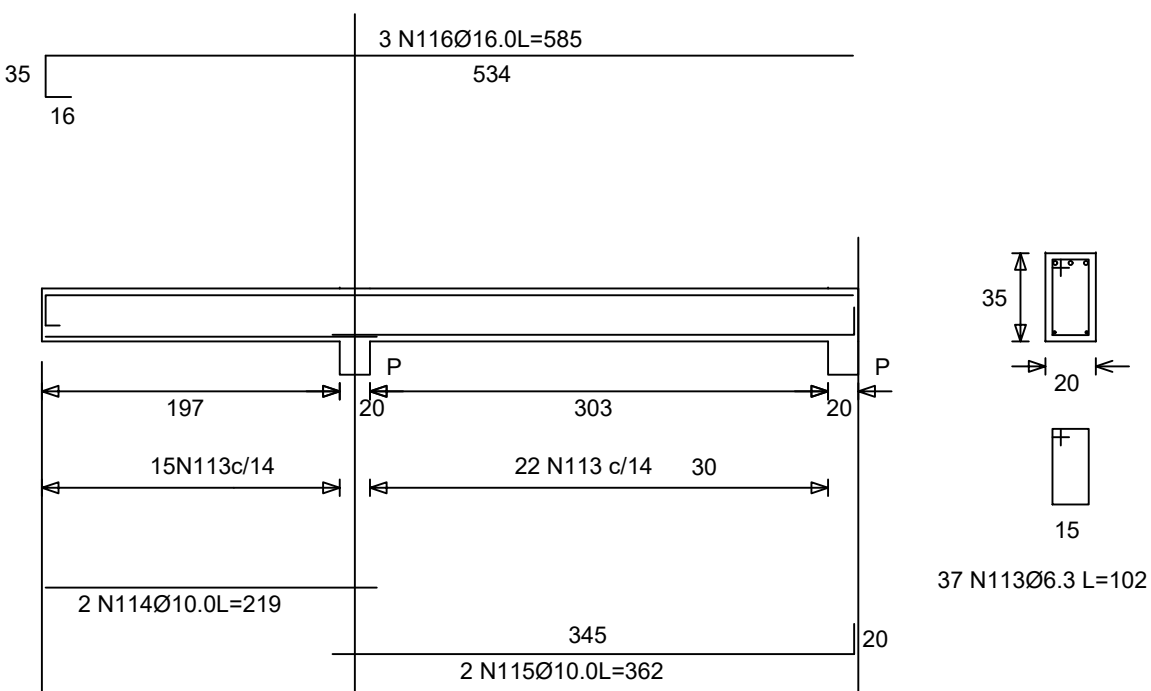
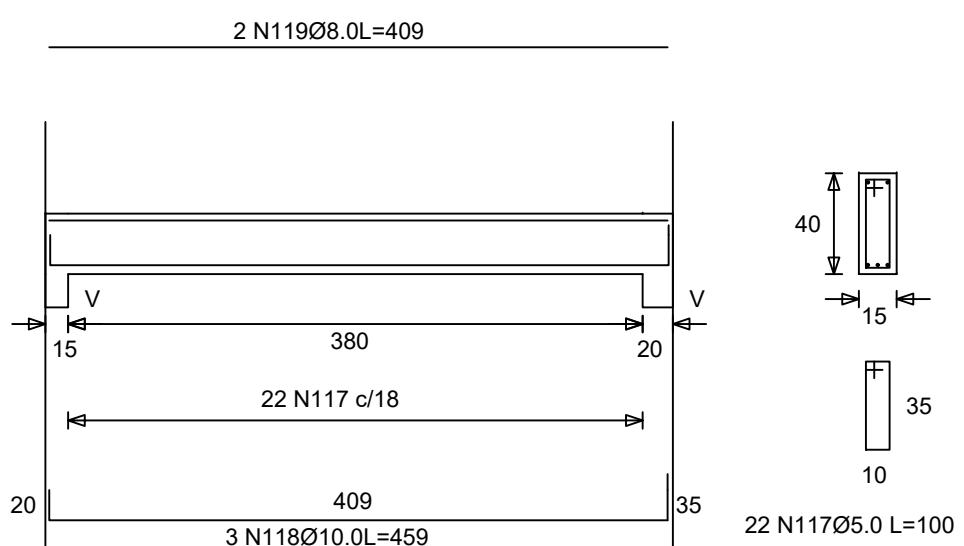


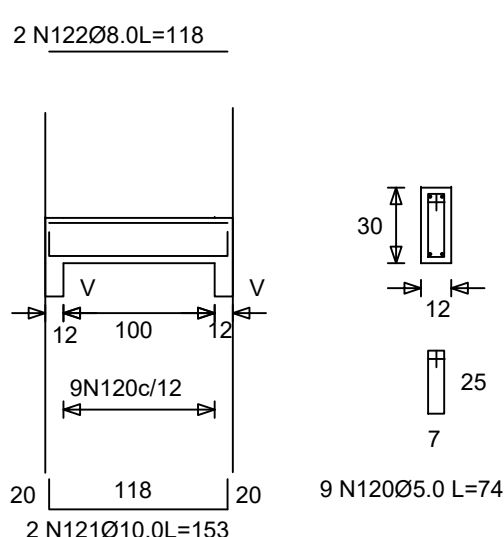
V82



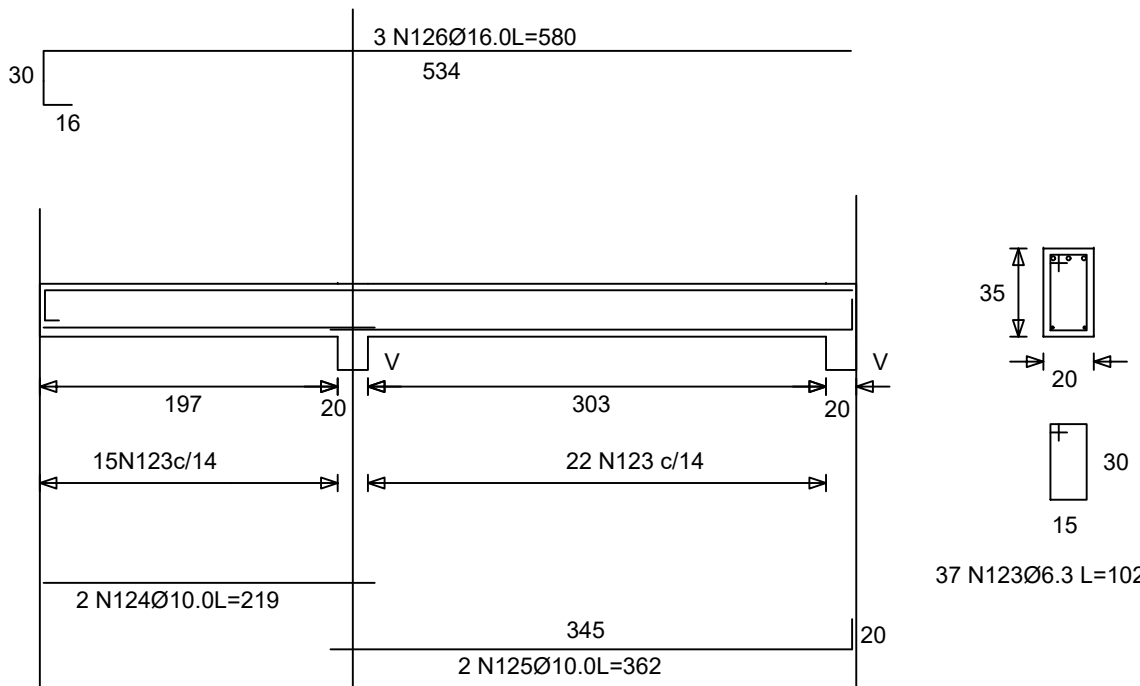
V83



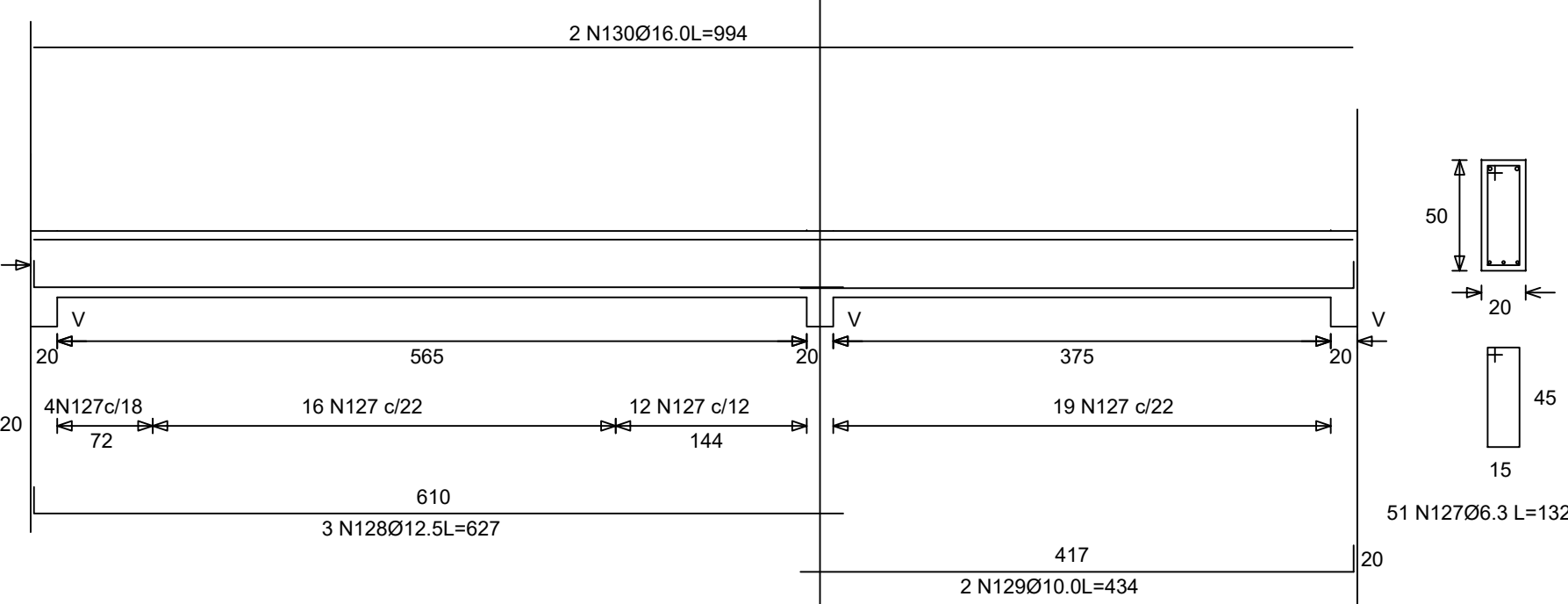
V84



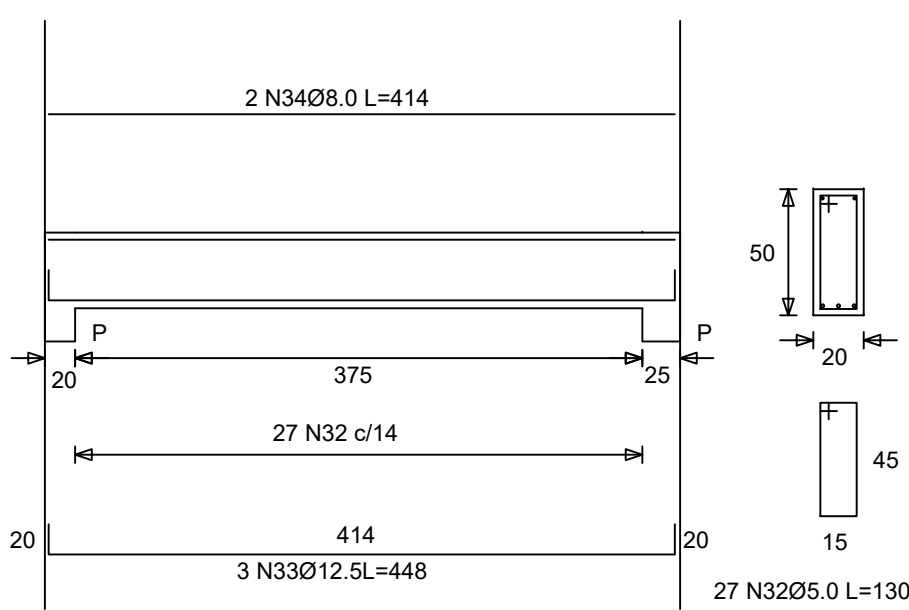
V85



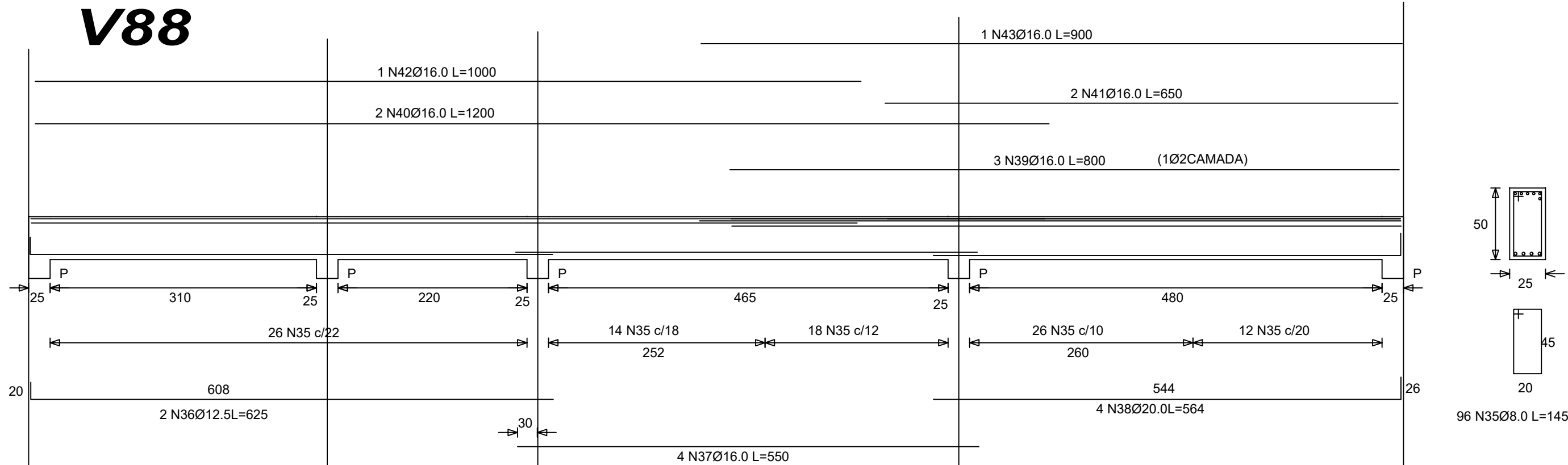
V86



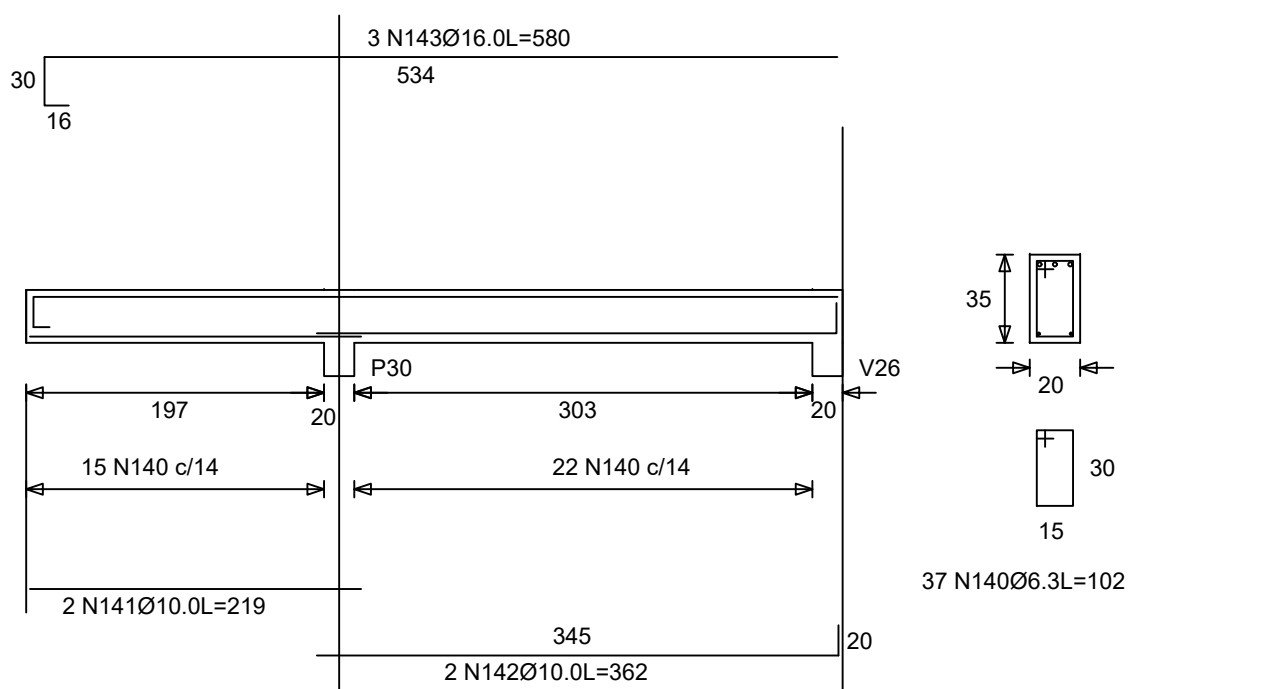
V87



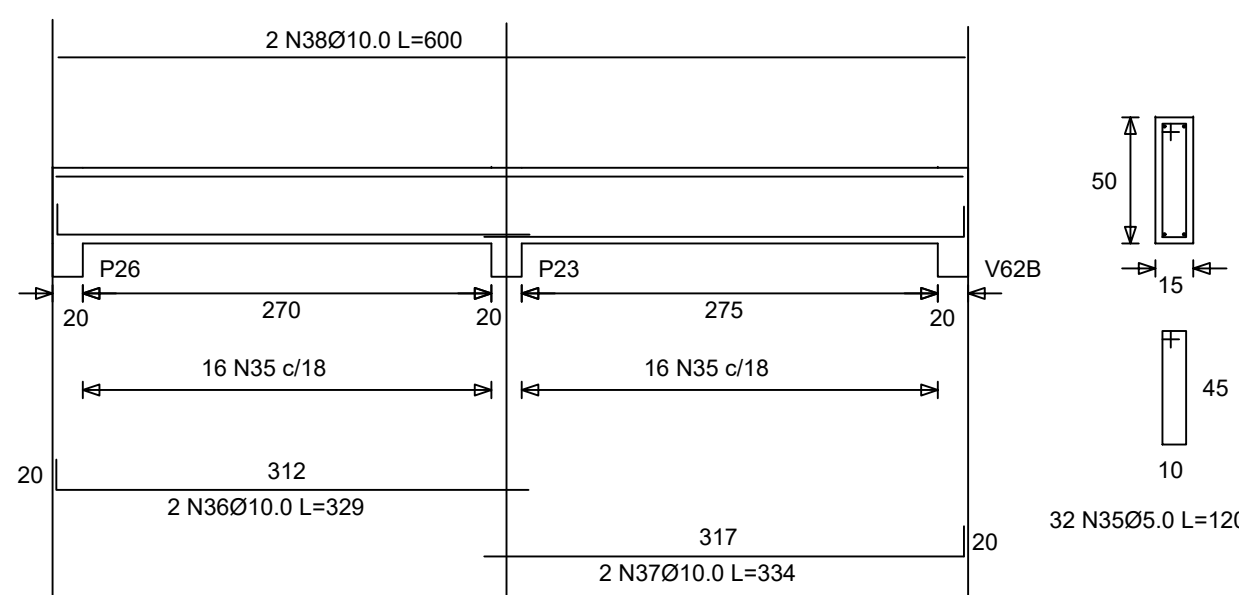
V88



V89



V90

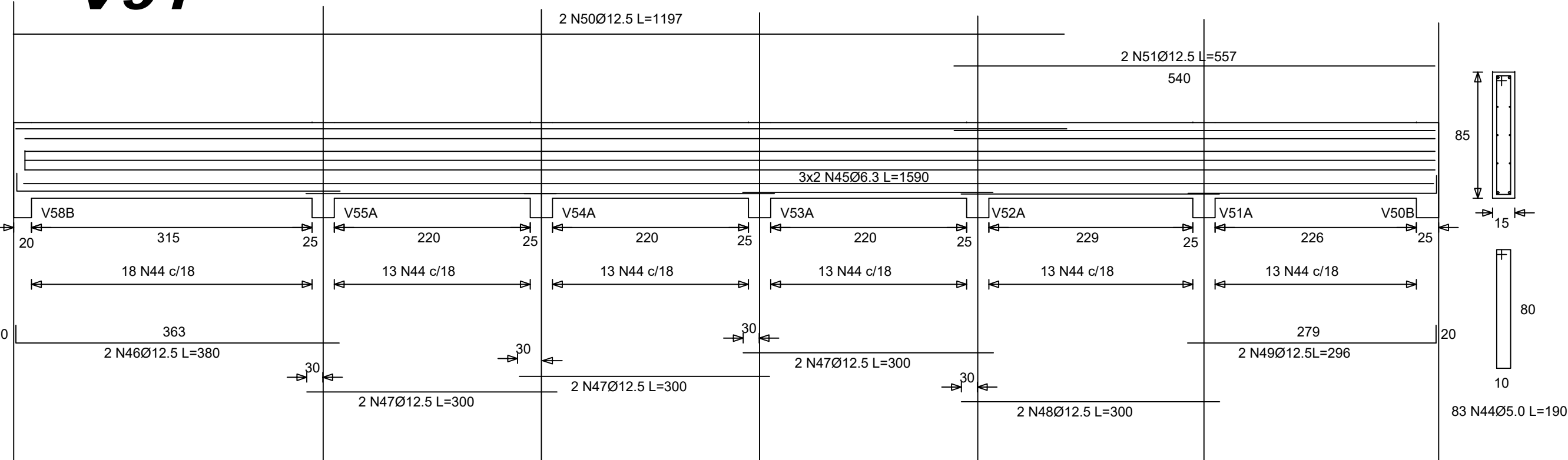


QUANTIDADE DE AÇO			
#	m	kg	
5,0	383	62	CA-60
6,3	461	116	CA-50
8,0	196	79	CA-50
10	166	105	CA-50
12,5	274	274	CA-50
16	210	336	CA-50
20	23	58	CA-50

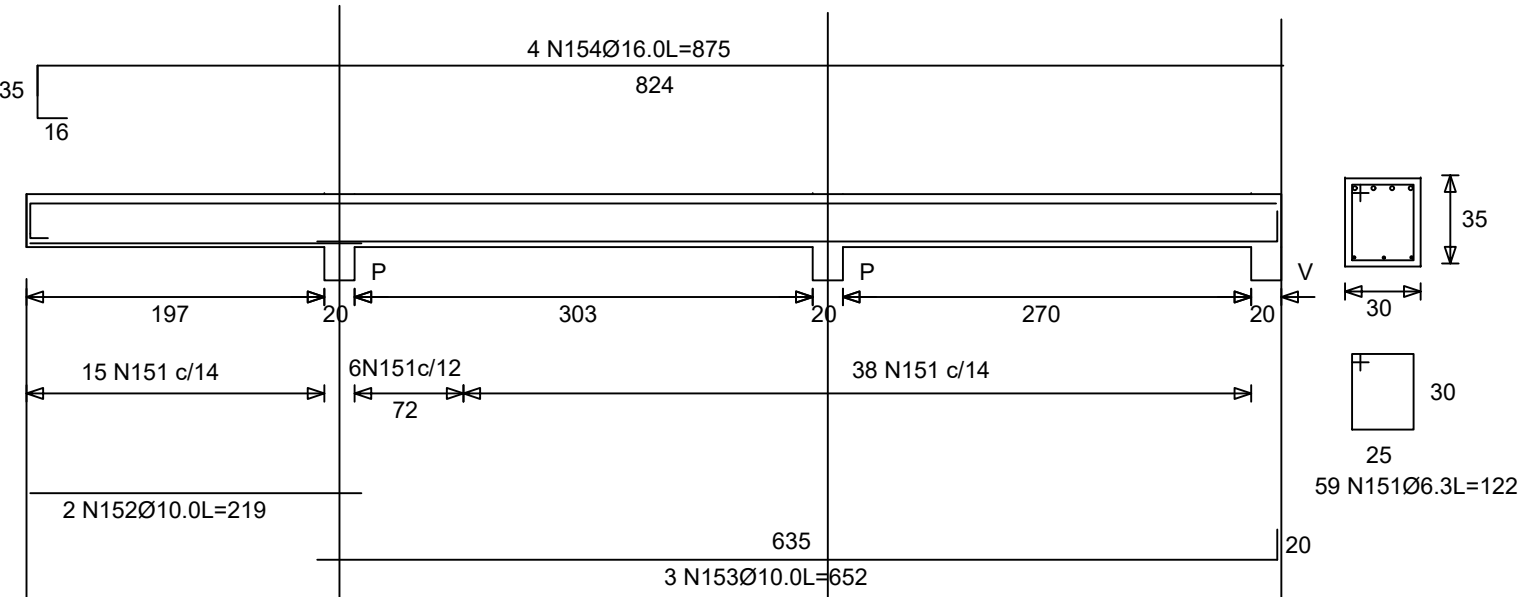
NOTAS:
1- AÇO CA-500A E CA-500B MPa.
2- CONCRETO fck = 30 MPa - 300kgf/cm2
3- MODULO ELASTICIDADE Inicial=30672MPa Esccante=26071MPa
4- MODULO ELASTICIDADE TRANSVERSAL = 0.4 Ecs
5- NÃO UTILIZAR ADITIVOS A BASE DE CLORETO
6- INICIO DO CARREGAMENTO=28 DIAS
7- ESTE TRABALHO NÃO CONTEMPLA PROJETO DE FORMAS E ESCORAMENTO
8- CONFERIR AS MEDIDAS EM OBRA.
9- ALVENARIAS EM TIJOLO CERÂMICO FURADO
10- CARGAS CONSIDERADAS NO PROJETO:
CARGAS ACIDENTAIS CONFORME NBR 6120
- ALVENARIAS DE TIJOLOS FURADOS: 13 KN/m3
- REVESTIMENTO DO PISO: 0.60 KN/m2
- REBOCO DA LAJE DE TETO: 0.15 KN/m2
- ENCHIMENTOS: 7KN/m3
- CONCRETO ARMADO: 25 KN/m3

CONCRETO fck=300kgf/cm2=30MPa

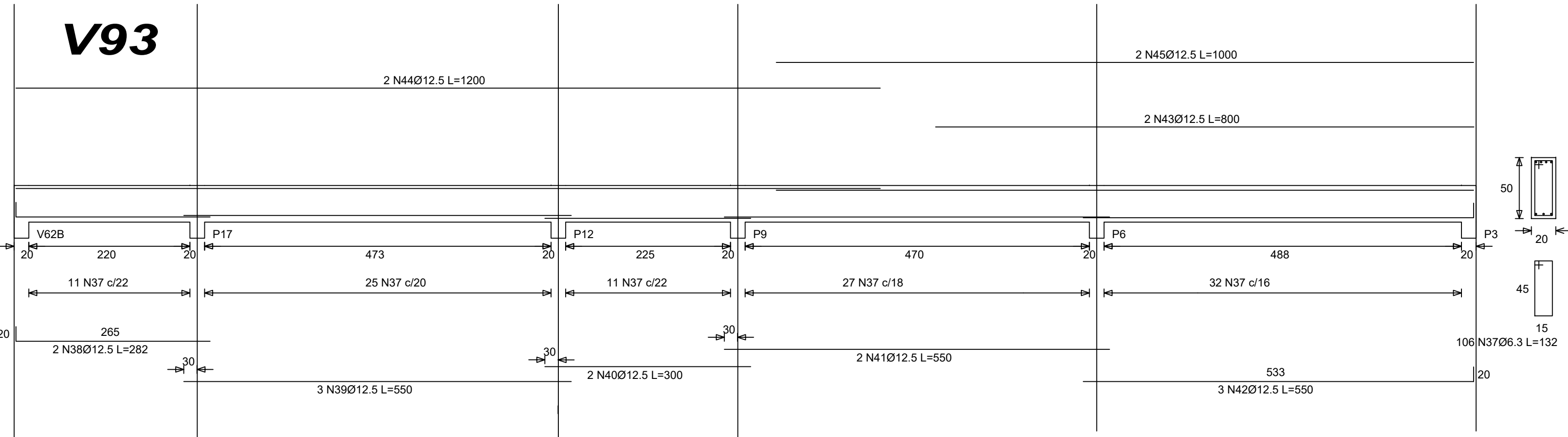
V91



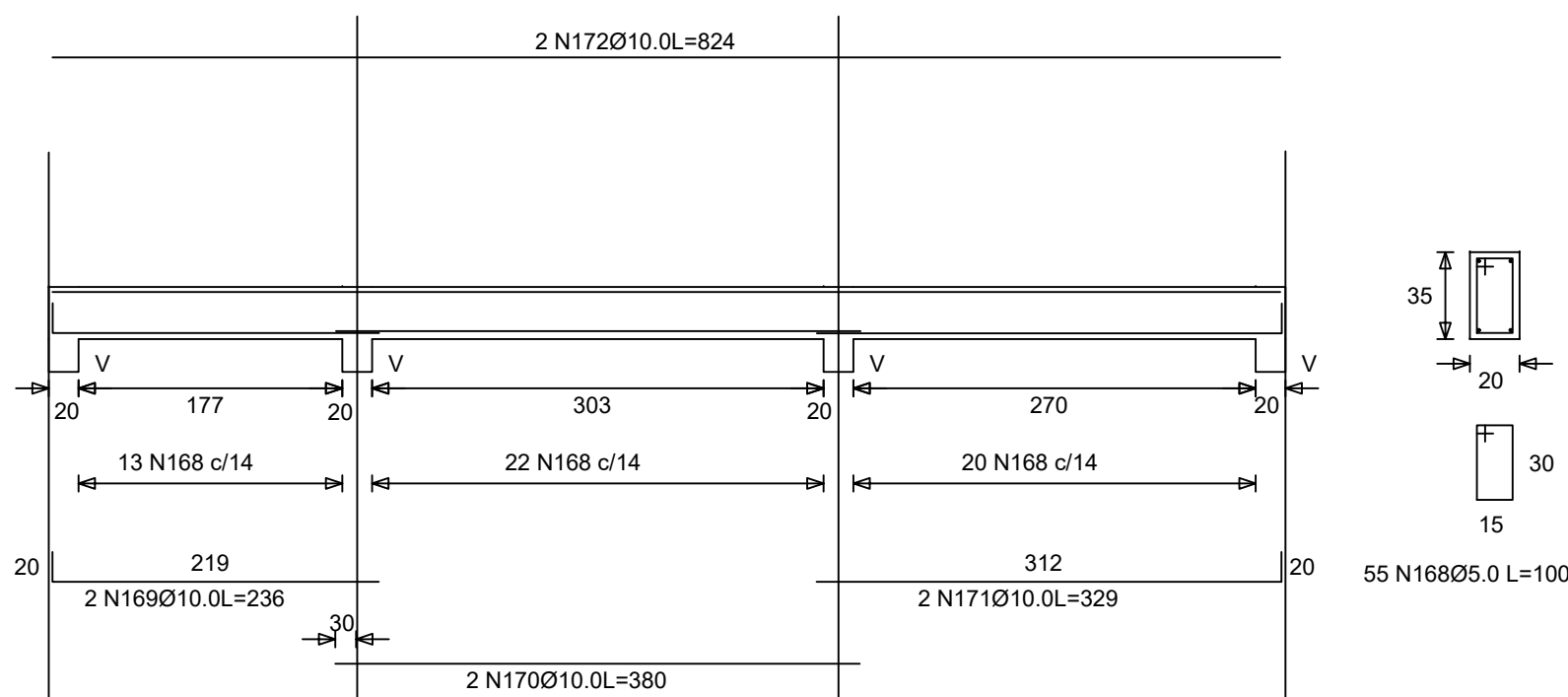
V92



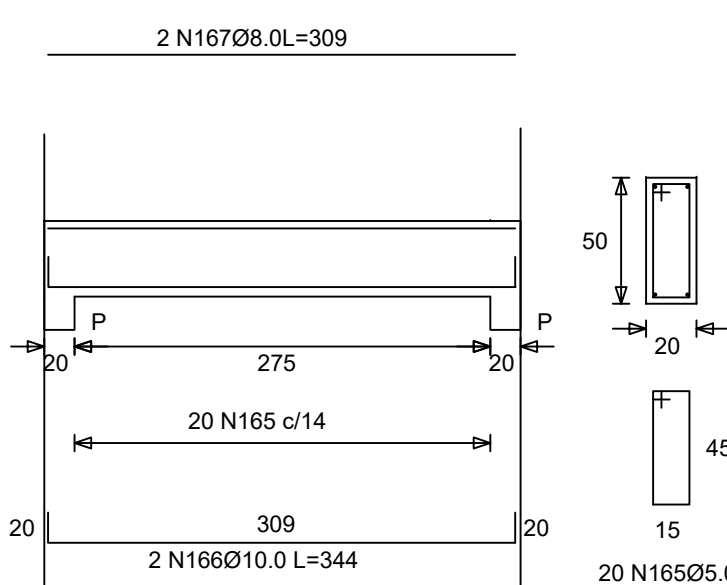
V93



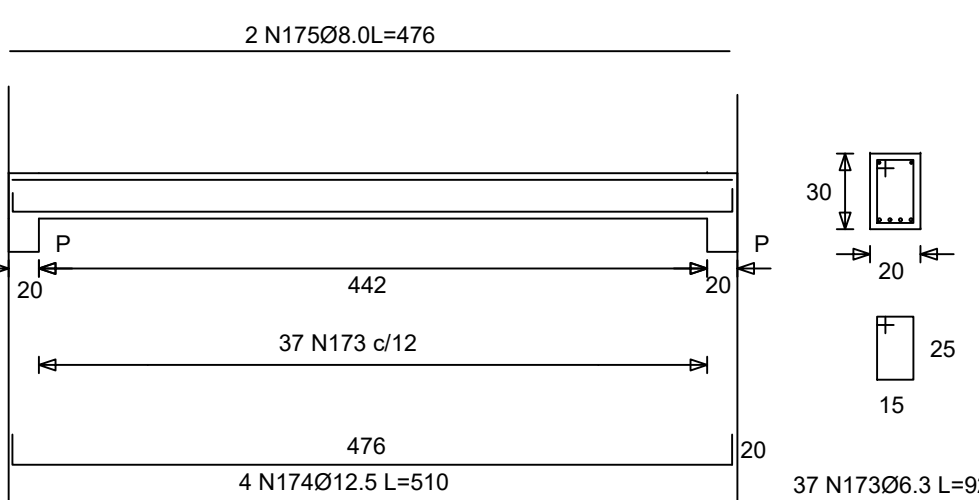
V94



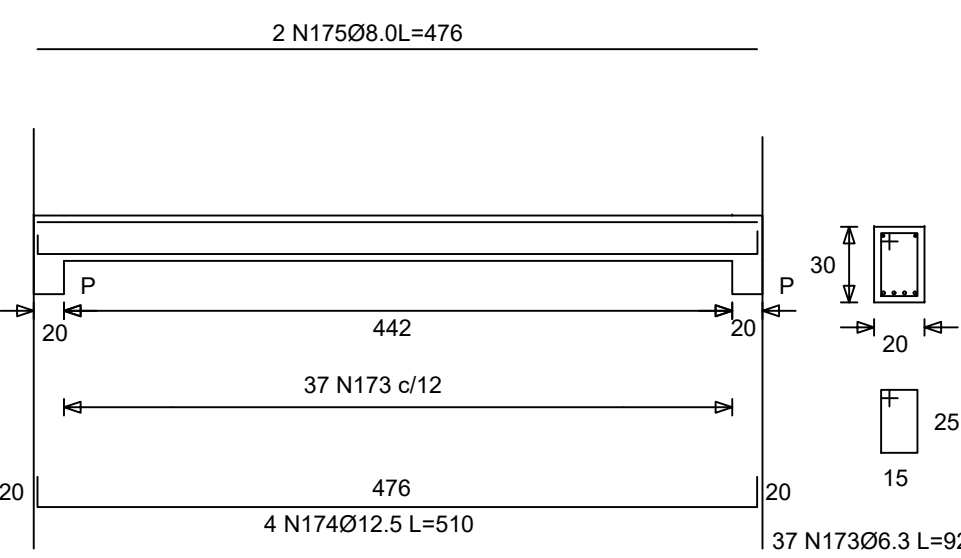
V95



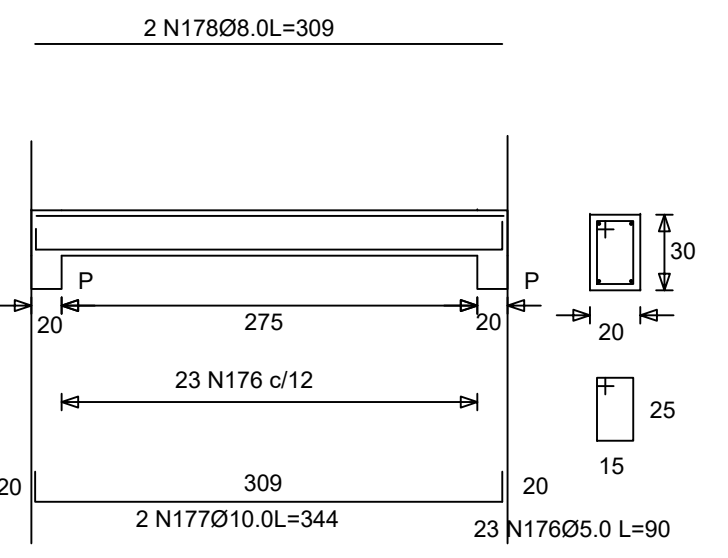
V96



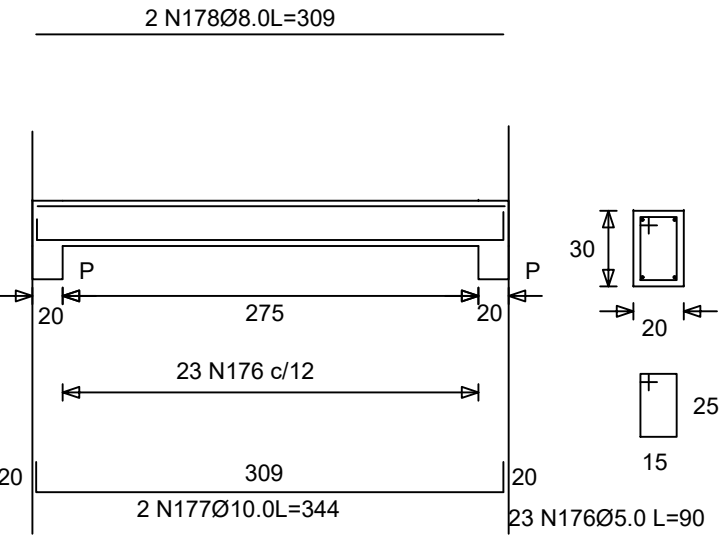
V97



V98



V99



DATA		MODIFICAÇÃO	
OBRA/LOCAL: CÂMARA MUNICIPAL ARROIO DOS RATOS ARROIO DOS RATOS - RS		PROJETO ESTRUTURAL CONCRETO ARMADO	
PROJETISTA Arquiteto: Joaquim Borges Vargas Engrº CIVIL CREARIS 33.815		(AS BUILT)	
EXECUÇÃO		- ARMADURA DAS VIGAS (V82 a V99)	
PROPRIETÁRIO			
FORRO-VIGAS V82 A V99		ESCALA: INDICADA	DATA: JAN.2023
DESENHO: VICK		PRANCHA: 06	