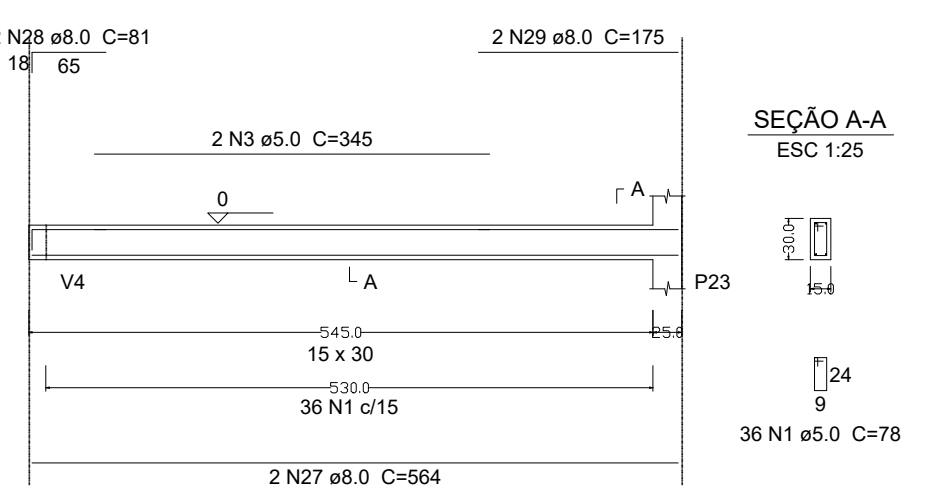
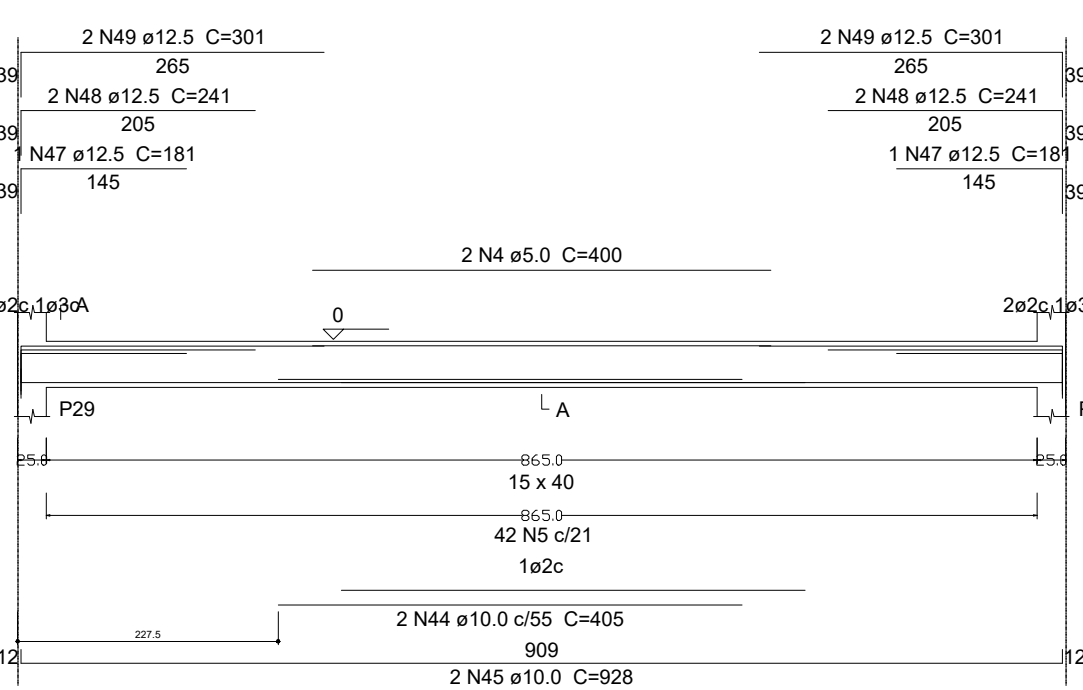


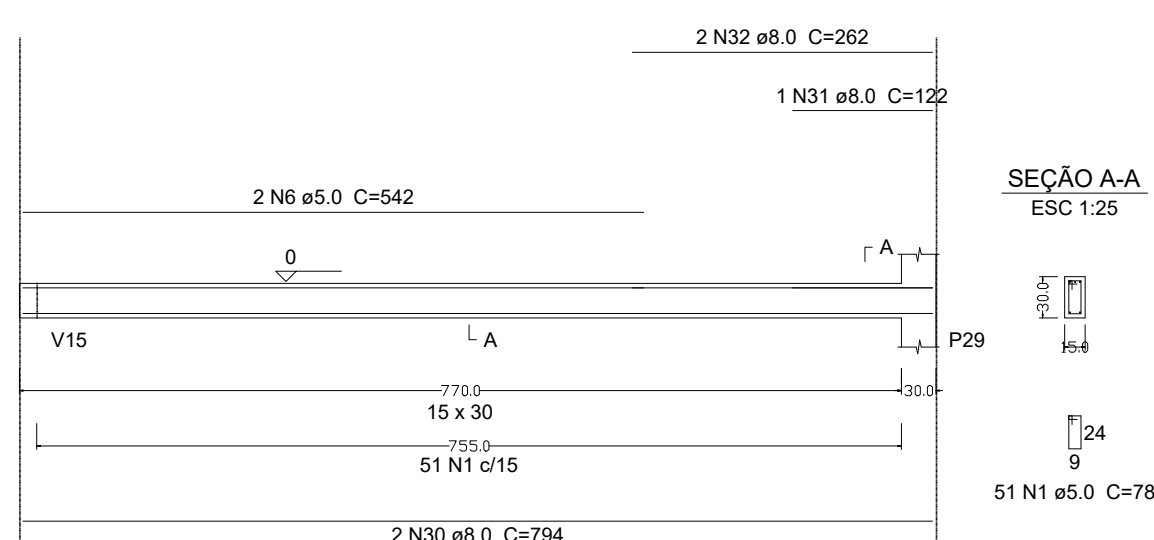
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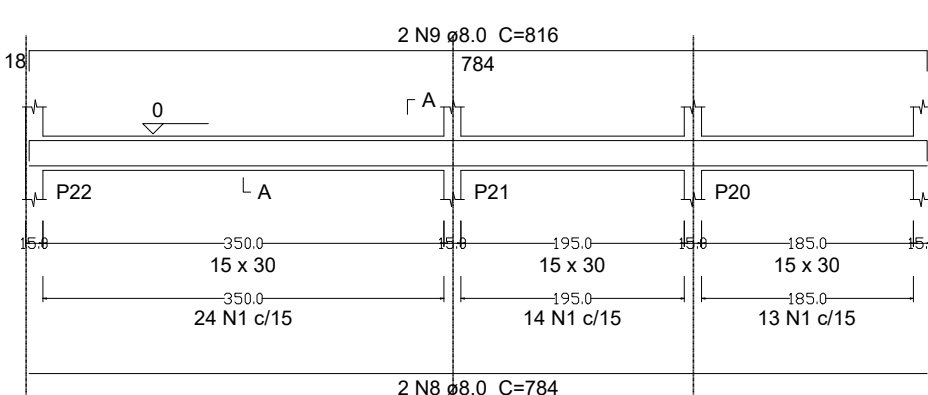
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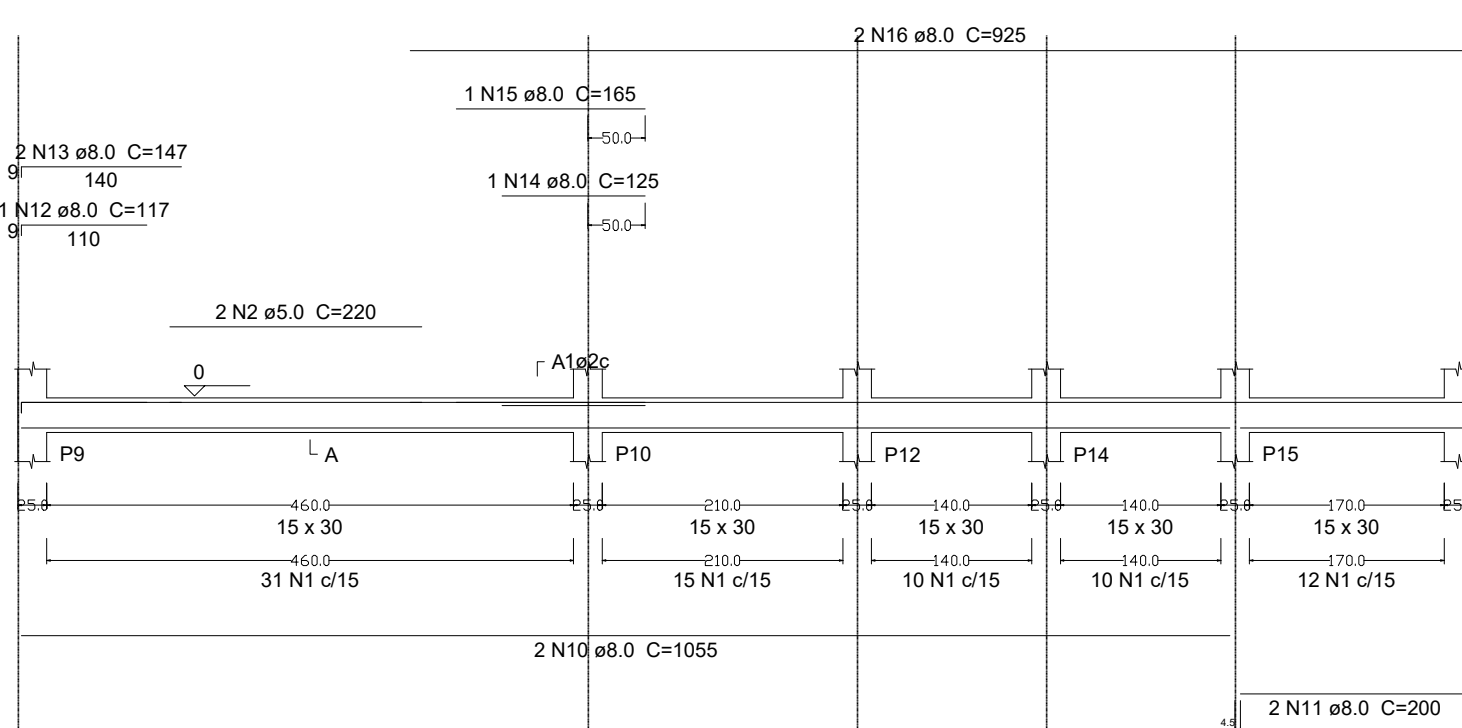
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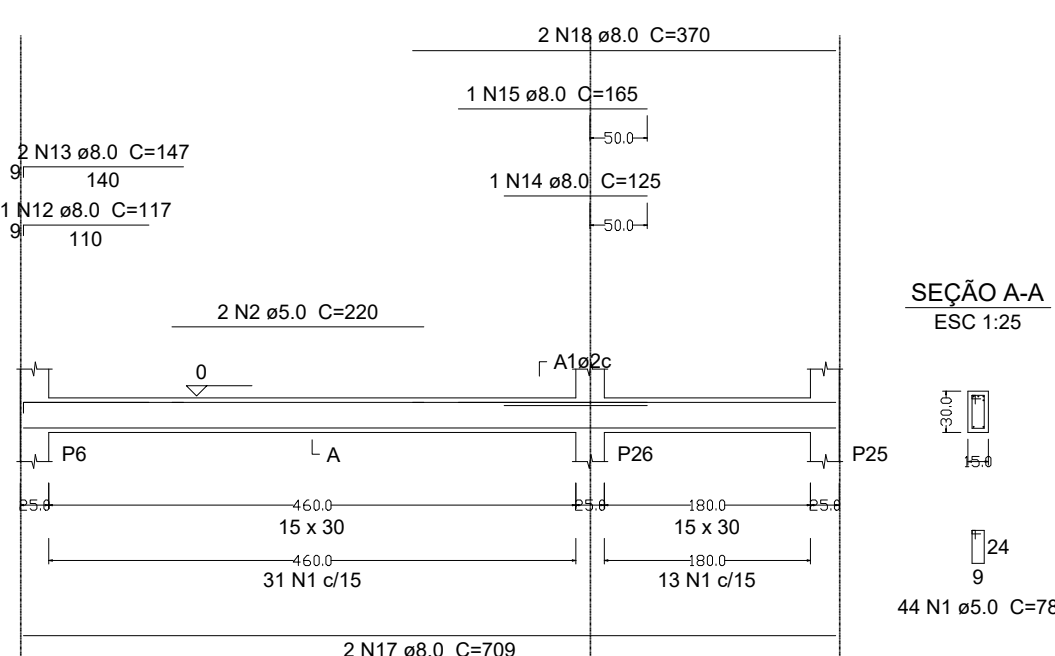
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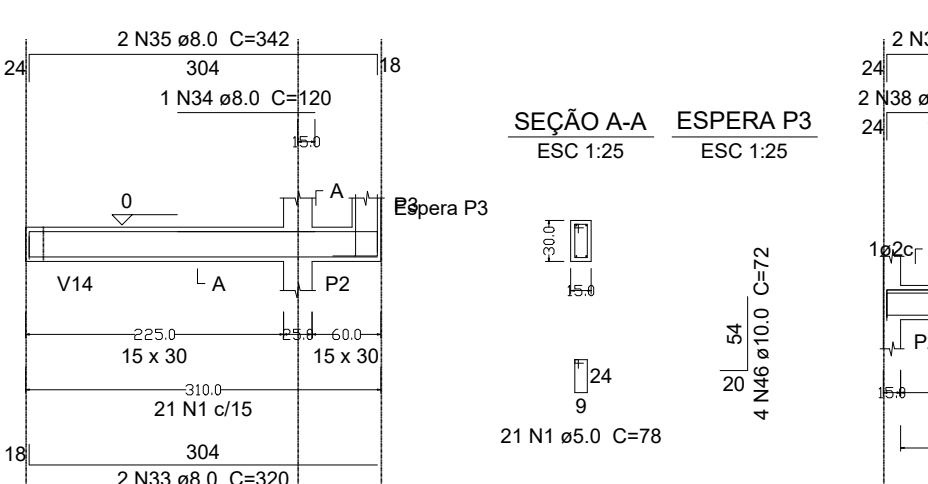
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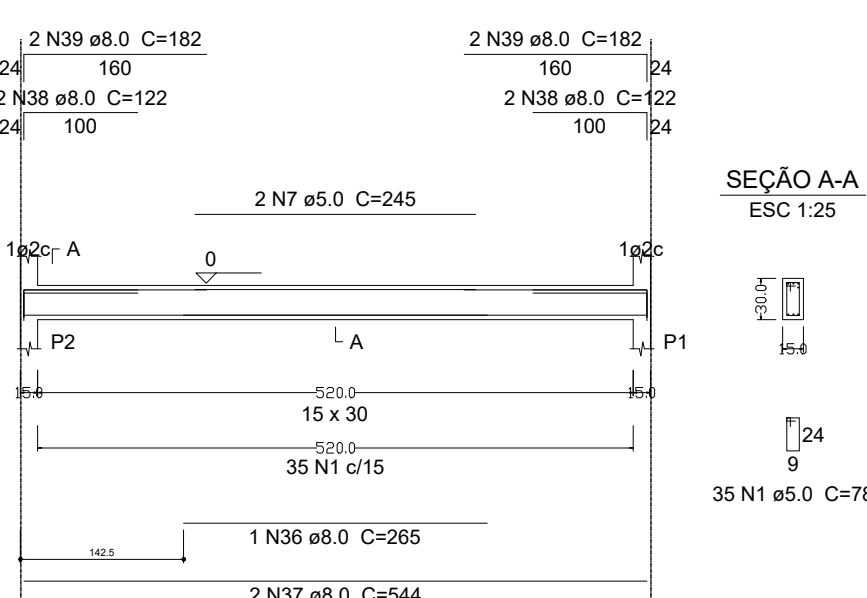
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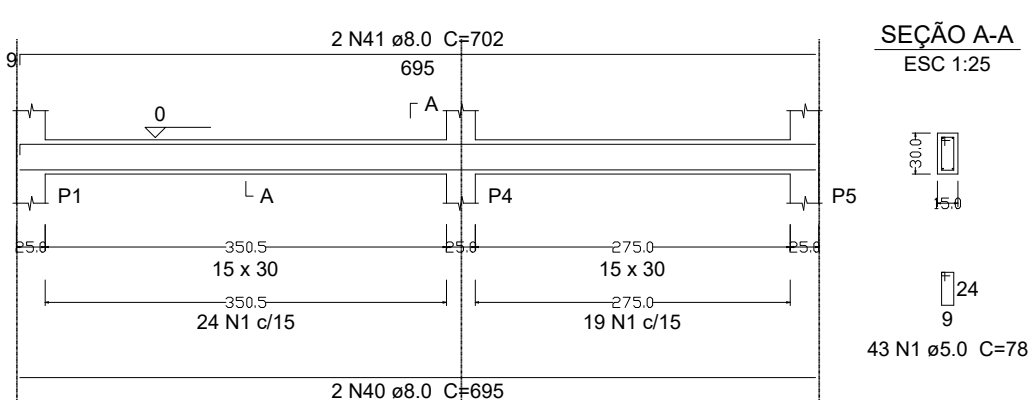
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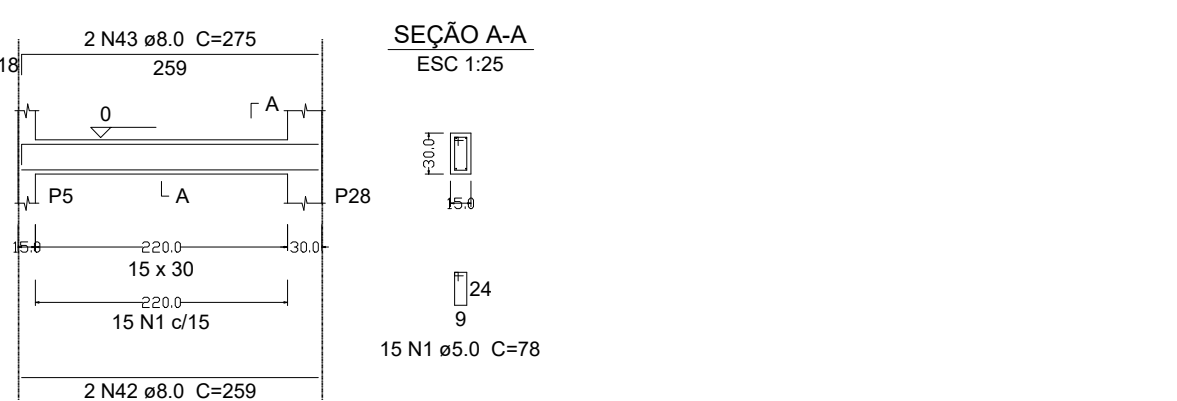
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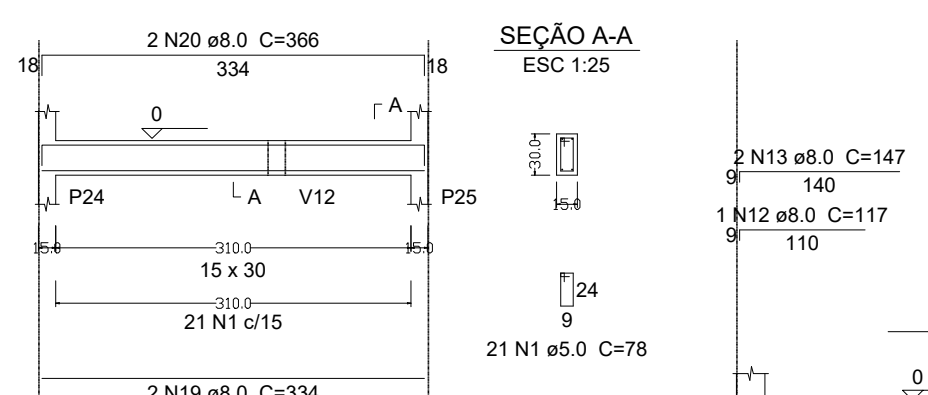
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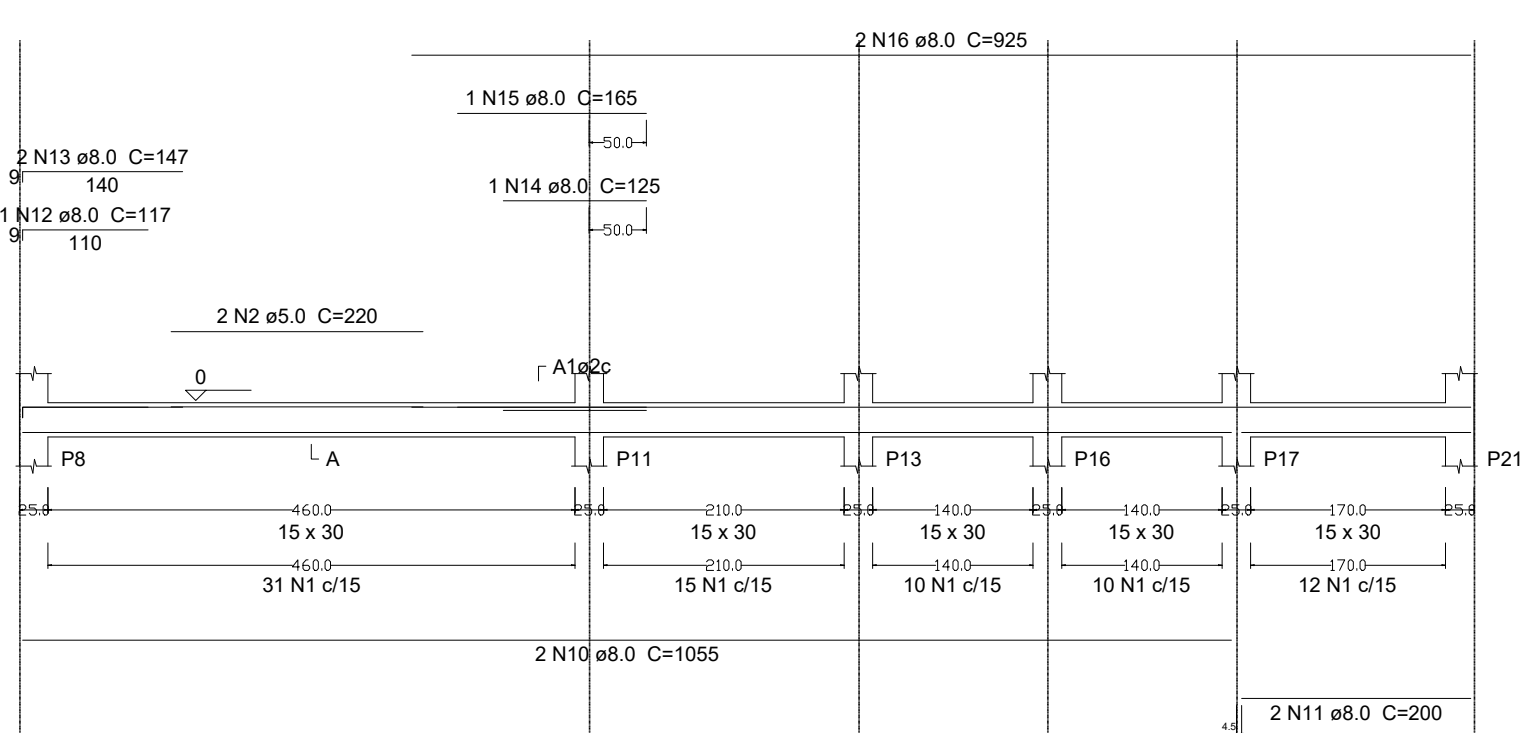
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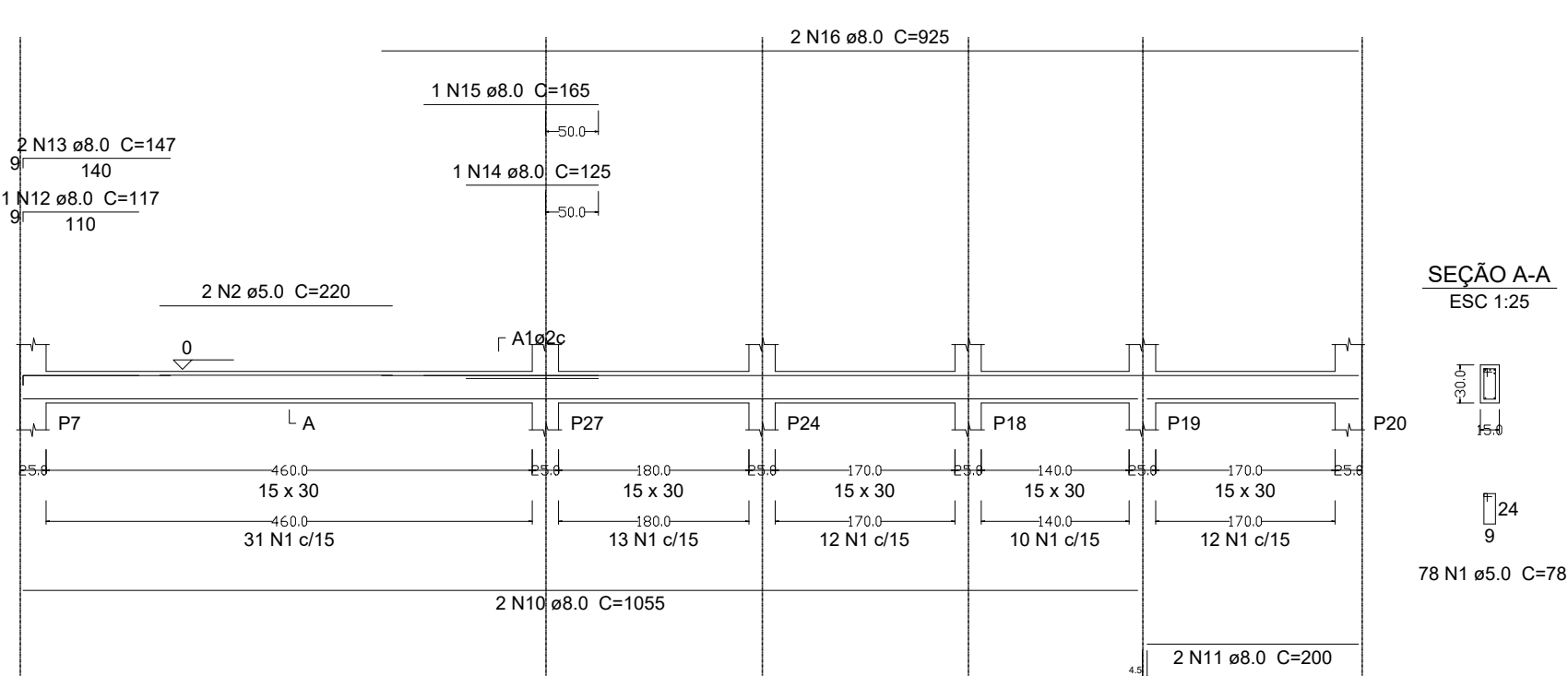
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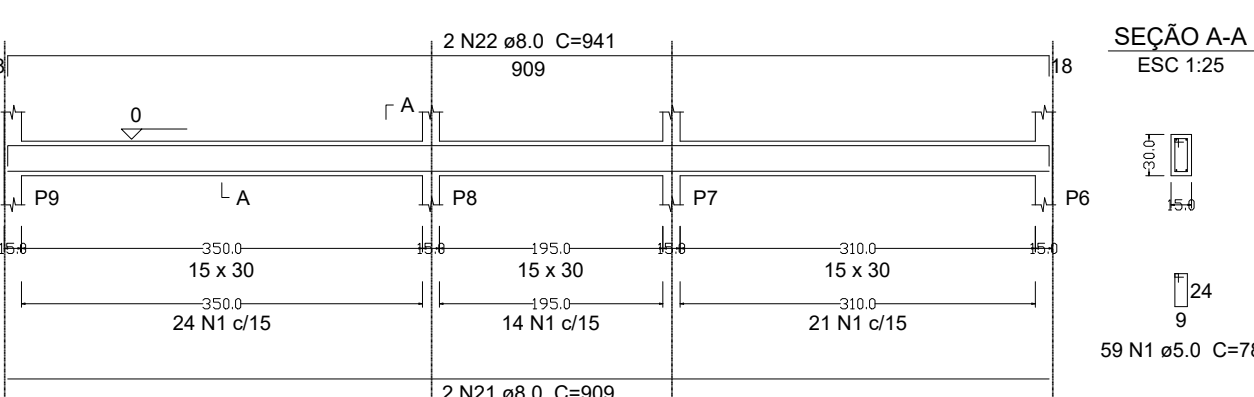
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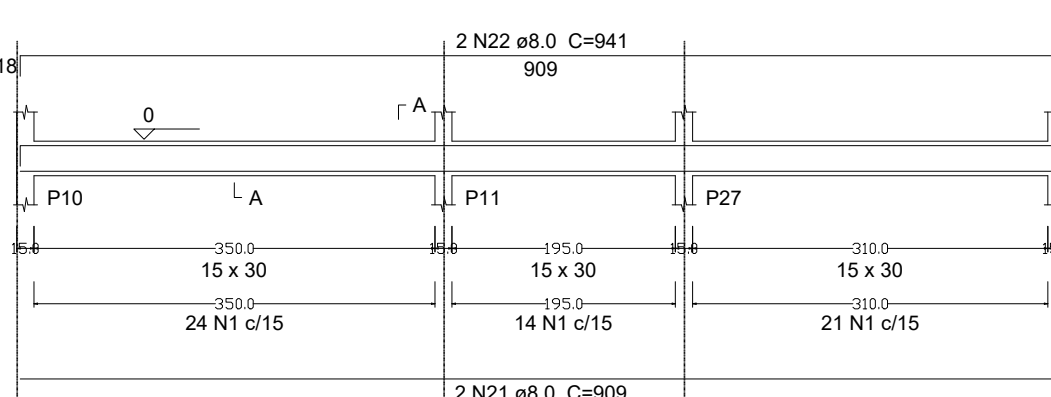
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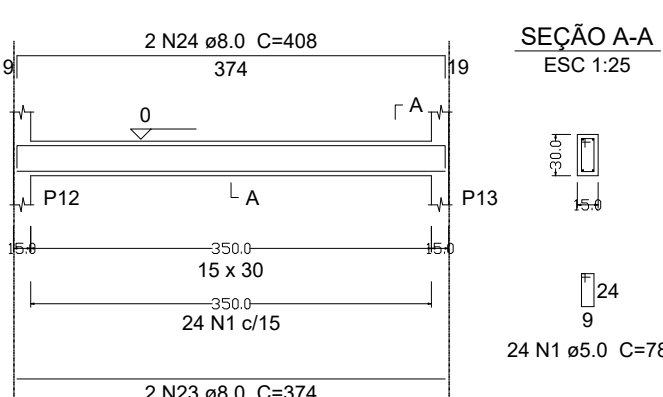
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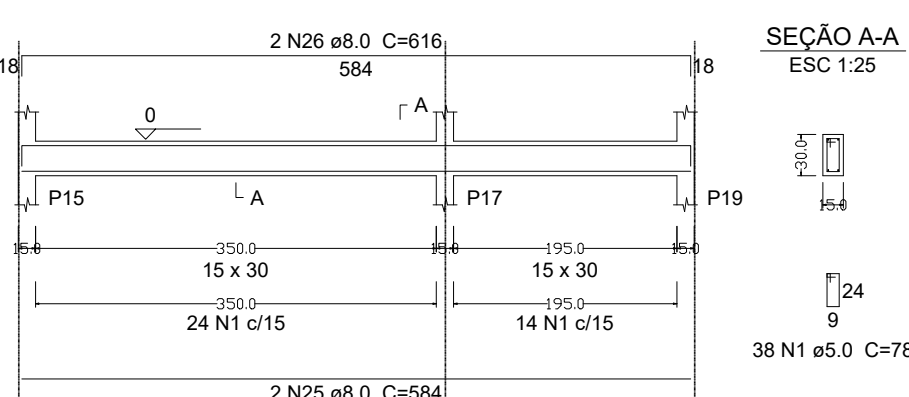
### V9



### V10



### V11



### Relação do aço Viga Baldrame

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	731	78	57018
	2	5.0	8	220	1760
	3	5.0	2	345	690
	4	5.0	2	400	800
	5	5.0	42	98	4116
	6	5.0	2	542	1084
	7	5.0	2	245	490
	8	8.0	2	784	1568
	9	8.0	2	816	1632
	10	8.0	6	1055	6330
	11	8.0	6	200	1200
	12	8.0	4	117	468
	13	8.0	8	147	1176
	14	8.0	4	125	500
	15	8.0	4	165	660
	16	8.0	6	925	5550
	17	8.0	2	709	1418
	18	8.0	2	370	740
	19	8.0	2	334	668
	20	8.0	2	366	732
	21	8.0	4	909	3636
	22	8.0	4	941	3764
	23	8.0	2	374	748
	24	8.0	2	408	816
	25	8.0	2	584	1168
	26	8.0	2	616	1232
	27	8.0	2	564	1128
	28	8.0	2	81	162
	29	8.0	2	175	350
	30	8.0	2	794	1588
	31	8.0	1	122	122
	32	8.0	2	262	524
	33	8.0	2	320	640
	34	8.0	1	120	120
	35	8.0	2	342	684
	36	8.0	1	265	265
	37	8.0	2	544	1088
	38	8.0	4	122	488
	39	8.0	4	182	728
	40	8.0	2	695	1390
	41	8.0	2	702	1404
	42	8.0	2	259	518
	43	8.0	2	275	550
	44	10.0	2	405	810
	45	10.0	2	928	1856
	46	10.0	4	72	288
	47	12.5	2	181	362
	48	12.5	4	241	964
	49	12.5	4	301	1204

### Resumo do aço Viga Baldrame

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	8.0	457.6	180.5
	10.0	29.6	18.2
	12.5	25.3	24.4
CA60	5.0	659.6	101.7
PESO TOTAL (kg)			
CA50		223.1	
CA60		101.7	

Volume de concreto (C-30) = 5.79 m³  
Área de forma = 96.07 m²



### PROJETOS:

ARQUITETÔNICO  
ESTRUTURAL  
ELÉTRICO  
HIDROSSANITÁRIO  
COMBATE A INCÊNDIO

REFORMAS  
SPDA  
ASSESSORIAS  
LAUDOS TÉCNICOS  
OBRAS PÚBLICAS

Projeto: **ESTRUTURAL**

Folha Nº **02** Nº Folhas **03**

Assunto: **PROJETO DE REFORMA E AMPLIAÇÃO DA UBS BURITIZINHO EM ARRAIAS - TO.**

Localização: **ZONA URBANA**

Cidade: **ARRAIAS - TO** Estado: **TO** Data: **FEVEREIRO/2026**

Proprietário: **PREFEITURA MUNICIPAL DE ARRAIAS - TO**

Conteúdo:  
Viga Baldrame.

Autor do Projeto:

Custódio Costa Torres  
Engenheiro Civil  
CREA-TO 311.418/D

Resp. Técnico:

Custódio Costa Torres  
Engenheiro Civil  
CREA-TO 311.418/D

DIREITO RESERVADO LEI 5772 DE 21/12/1971

A REPRODUÇÃO OU EXECUÇÃO NO SEU TODO OU PARTE DESTE PROJETO, SEM A PRÉVIA AUTORIZAÇÃO DE SEU AUTOR, FICARÁ SUJEITA ÀS MEDIDAS LEGAIS CABÍVEIS, A ALTERAÇÃO DESTE PROJETO EXIME SEU AUTR DE QUAISQUER RESPONSABILIDADES.