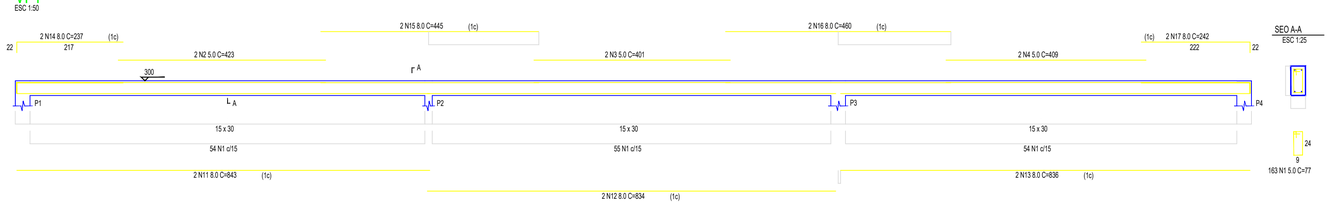
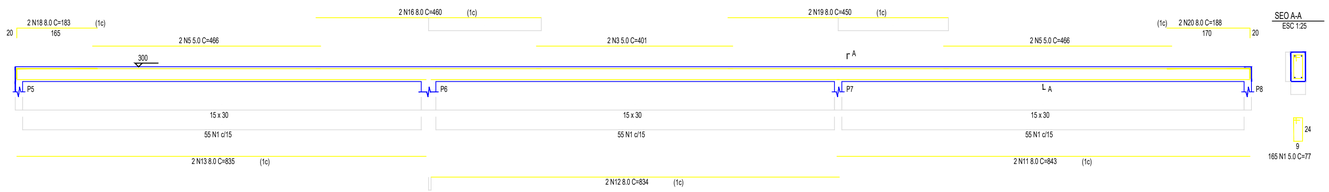
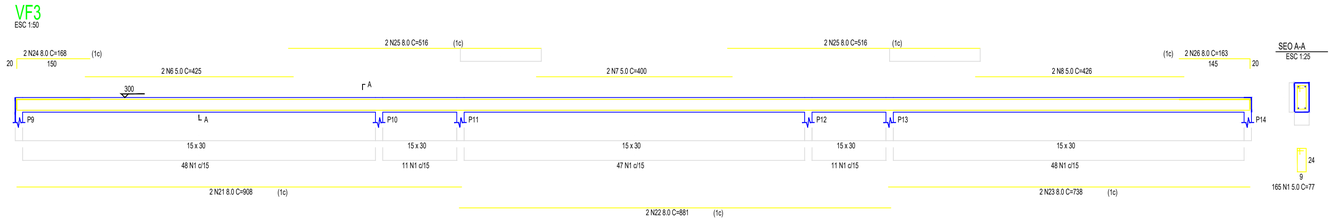
VF1
ESC 1:50



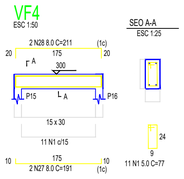
VF2
ESC 1:50



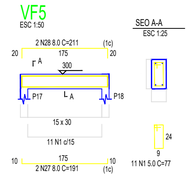
VF3
ESC 1:50



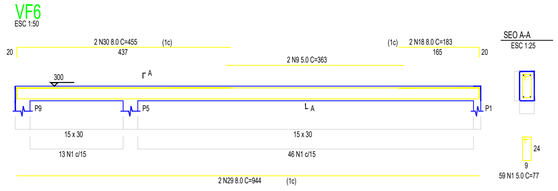
VF4
ESC 1:50



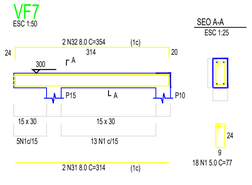
VF5
ESC 1:50



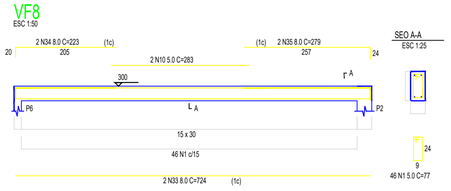
VF6
ESC 1:50



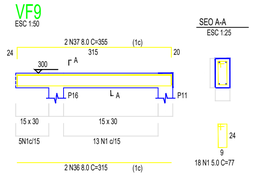
VF7
ESC 1:50



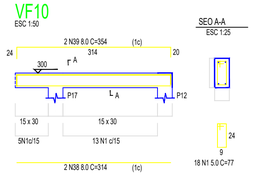
VF8
ESC 1:50



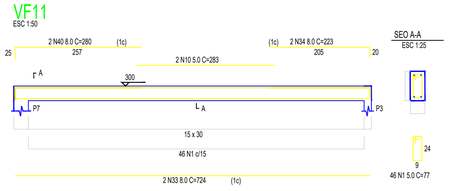
VF9
ESC 1:50



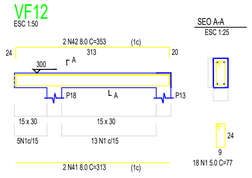
VF10
ESC 1:50



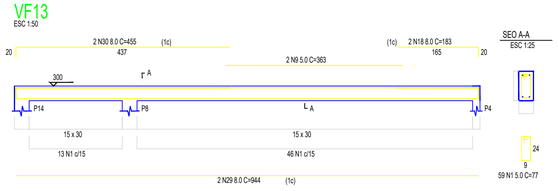
VF11
ESC 1:50



VF12
ESC 1:50



VF13
ESC 1:50



RELAÇÃO DO AÇO

VF1 VF2 VF3
VF4 VF5 VF6
VF7 VF8 VF9
VF10 VF11 VF12
VF13

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	797	75	61369
	2	5.0	2	424	848
	3	5.0	4	401	1604
	4	5.0	2	408	816
	5	5.0	4	466	1864
	6	5.0	2	425	850
	7	5.0	2	400	800
	8	5.0	2	426	852
	9	5.0	4	363	1452
	10	5.0	2	563	1126
CA50	11	8.0	4	843	3372
	12	8.0	4	834	3336
	13	8.0	4	836	3344
	14	8.0	2	237	474
	15	8.0	2	445	890
	16	8.0	4	460	1840
	17	8.0	4	242	484
	18	8.0	6	183	1098
	19	8.0	2	450	900
	20	8.0	2	188	376
	21	8.0	2	908	1816
	22	8.0	2	881	1762
	23	8.0	2	738	1476
	24	8.0	2	168	336
	25	8.0	4	516	2064
	26	8.0	2	163	326
	27	8.0	4	191	764
	28	8.0	4	211	844
	29	8.0	4	944	3776
	30	8.0	4	455	1820
	31	8.0	2	314	628
	32	8.0	2	354	708
	33	8.0	4	724	2896
	34	8.0	4	223	892
	35	8.0	2	279	558
	36	8.0	2	313	626
	37	8.0	2	355	710
	38	8.0	2	315	630
	39	8.0	2	354	708
	40	8.0	2	353	706
	41	8.0	2	313	626
	42	8.0	2	353	706

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	413.5	179.5
CA60	5.0	715.9	121.4

PESO TOTAL (kg)	
CA50	179.5
CA60	121.4

Volume de concreto (C-25) = 5.66 m
rea de forma = 94.28 m

CONSTRUÇÃO DE 2 SALAS DE AULAS NA ESCOLA MUNICIPAL MARTINEZ DIAS DE ARAUJO

gov.br Documento assinado digitalmente
ITALLO ALCANTARA DE OLIVEIRA
Data: 29/08/2026 13:16:40-0300
Verifique em https://validar.iti.gov.br

PROJETO ESTRUTURAL

CLIENTE: MUNICIPIO DE TURVÂNIA - GOIÁS

ENDEREÇO: Rua 14 de Novembro, S/N, Setor Gonzagas, CEP 76110-000, Turvânia - GO. Brasil.
COORDENADAS GEOGRÁFICAS: Latitude: 16° 36' 50" S
Longitude: 50° 08' 02" O

ENGENHEIRO: ITALLO ALCÂNTARA DE OLIVEIRA
CREA 1015178120/D-GO

FOLHA 4/4

Data AGOSTO/2026

Escala INDICADA