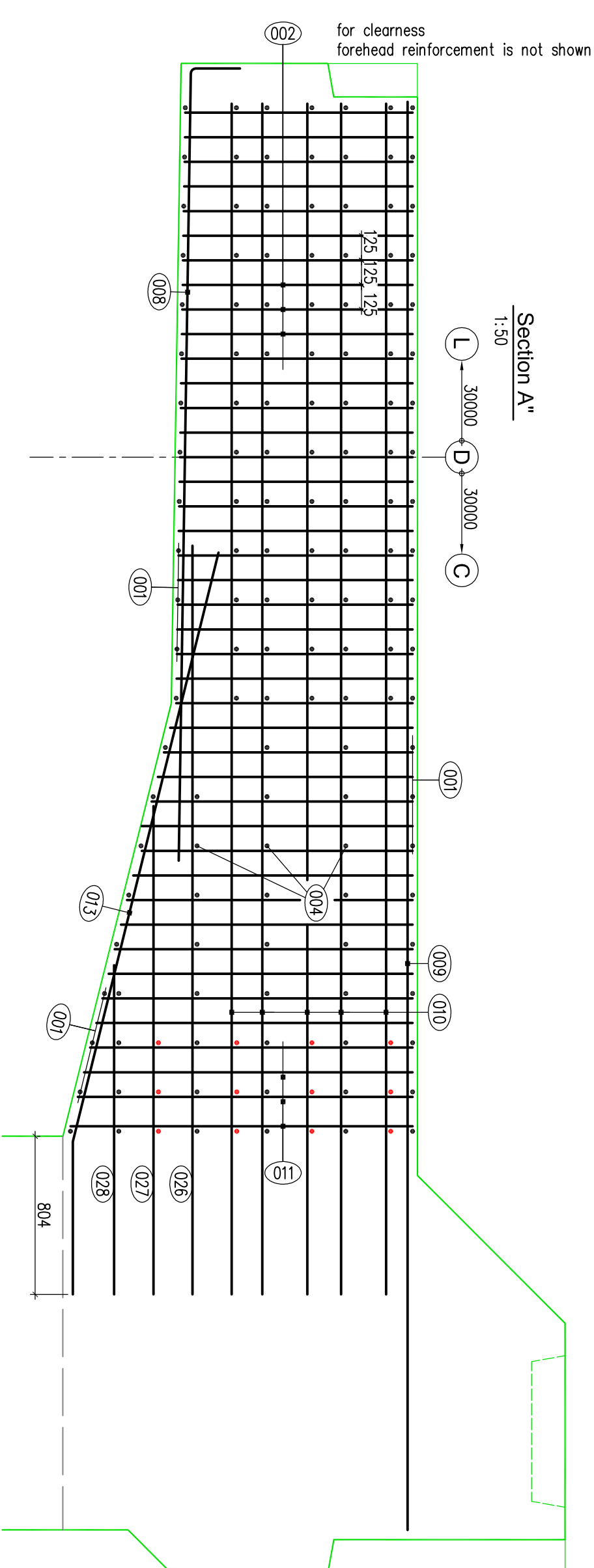
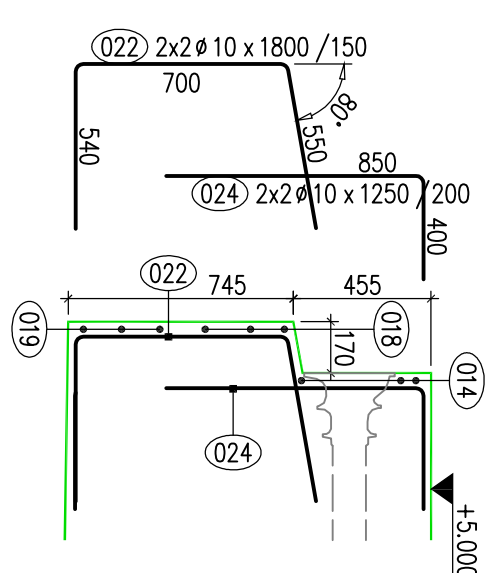
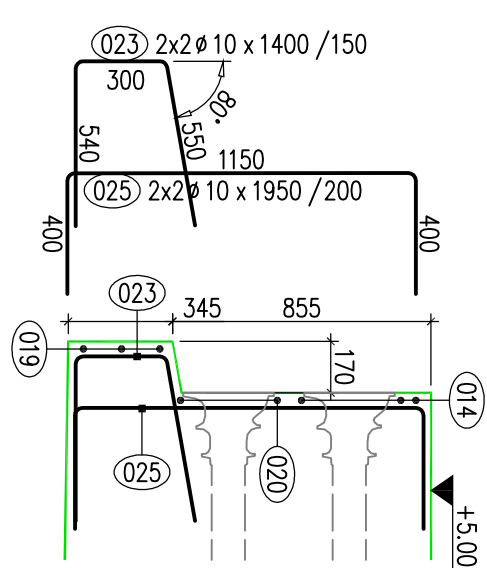
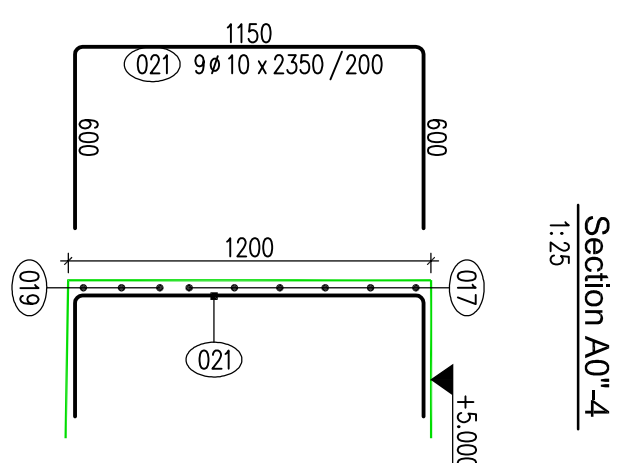
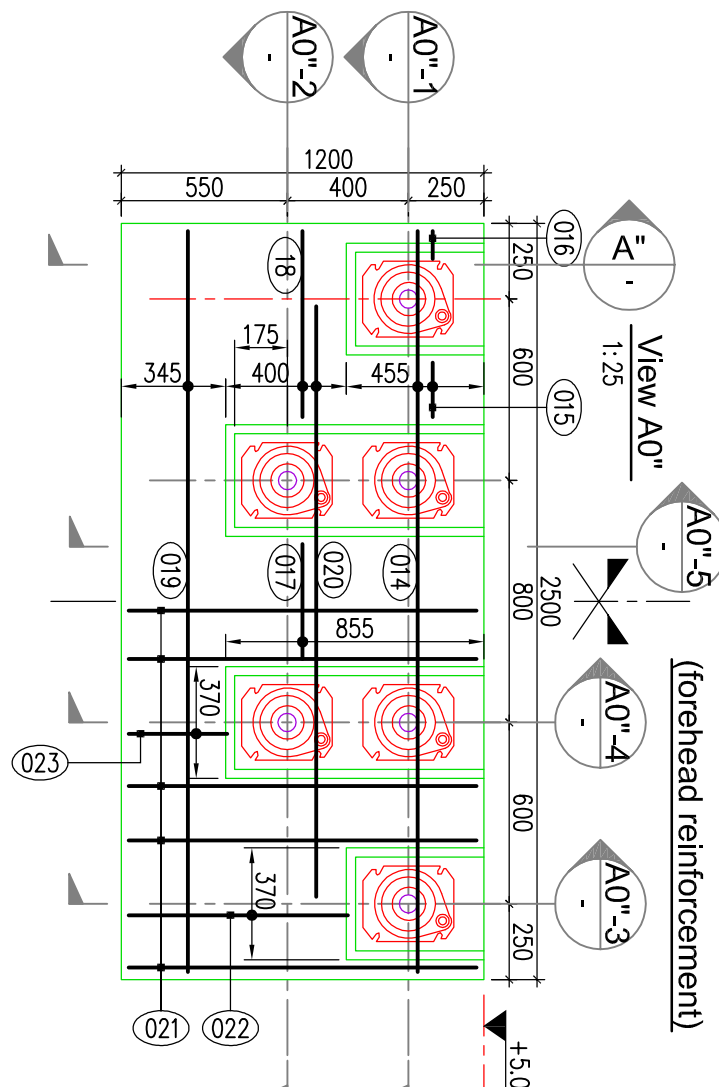
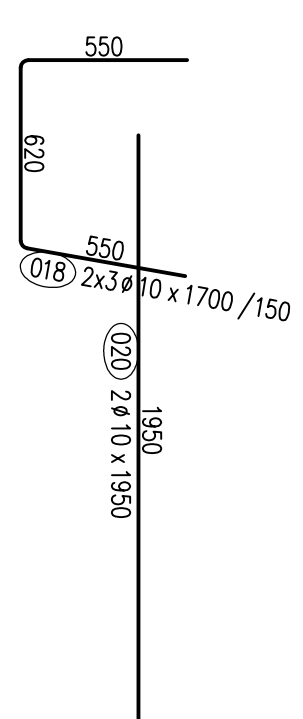
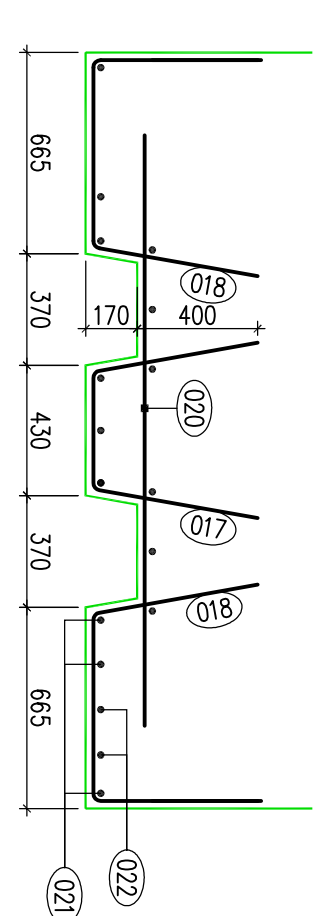
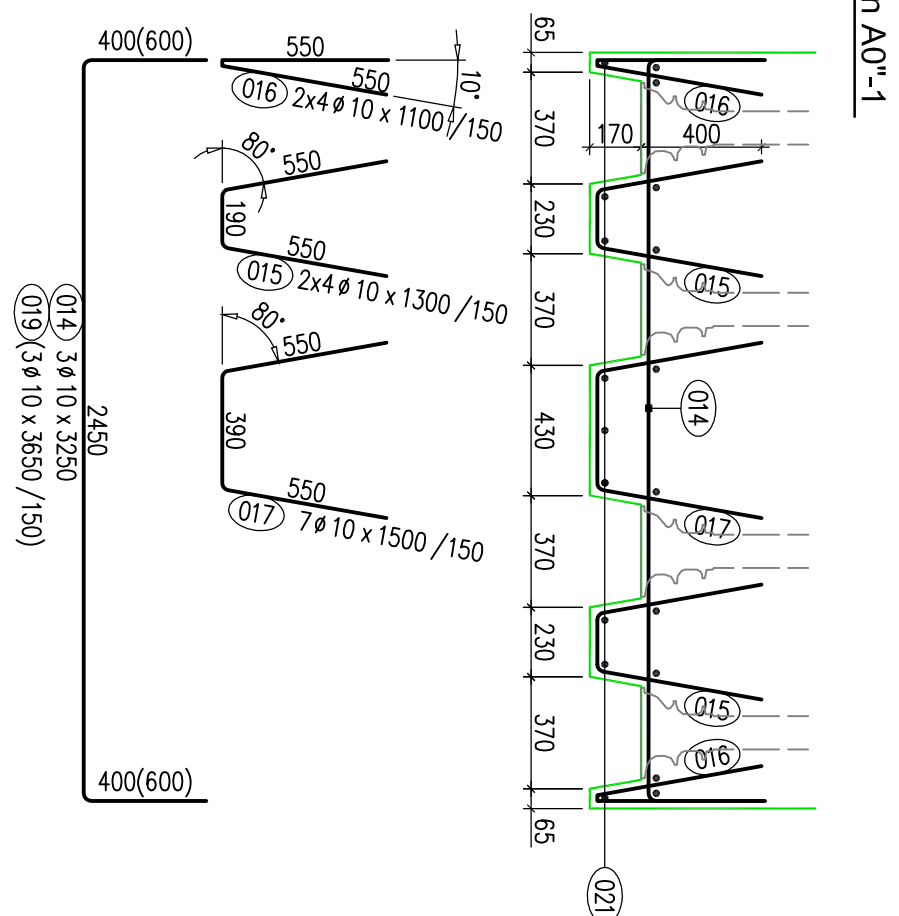
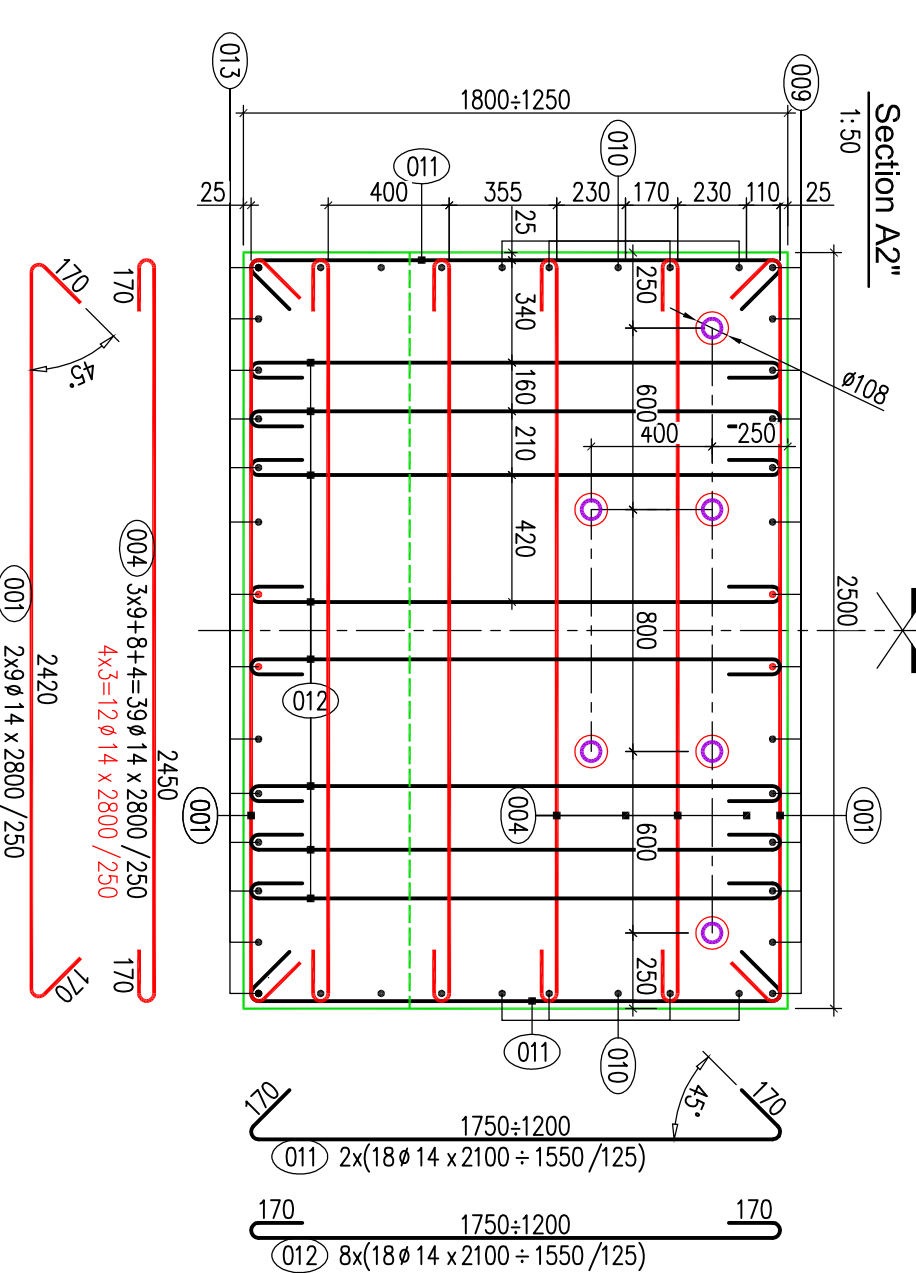
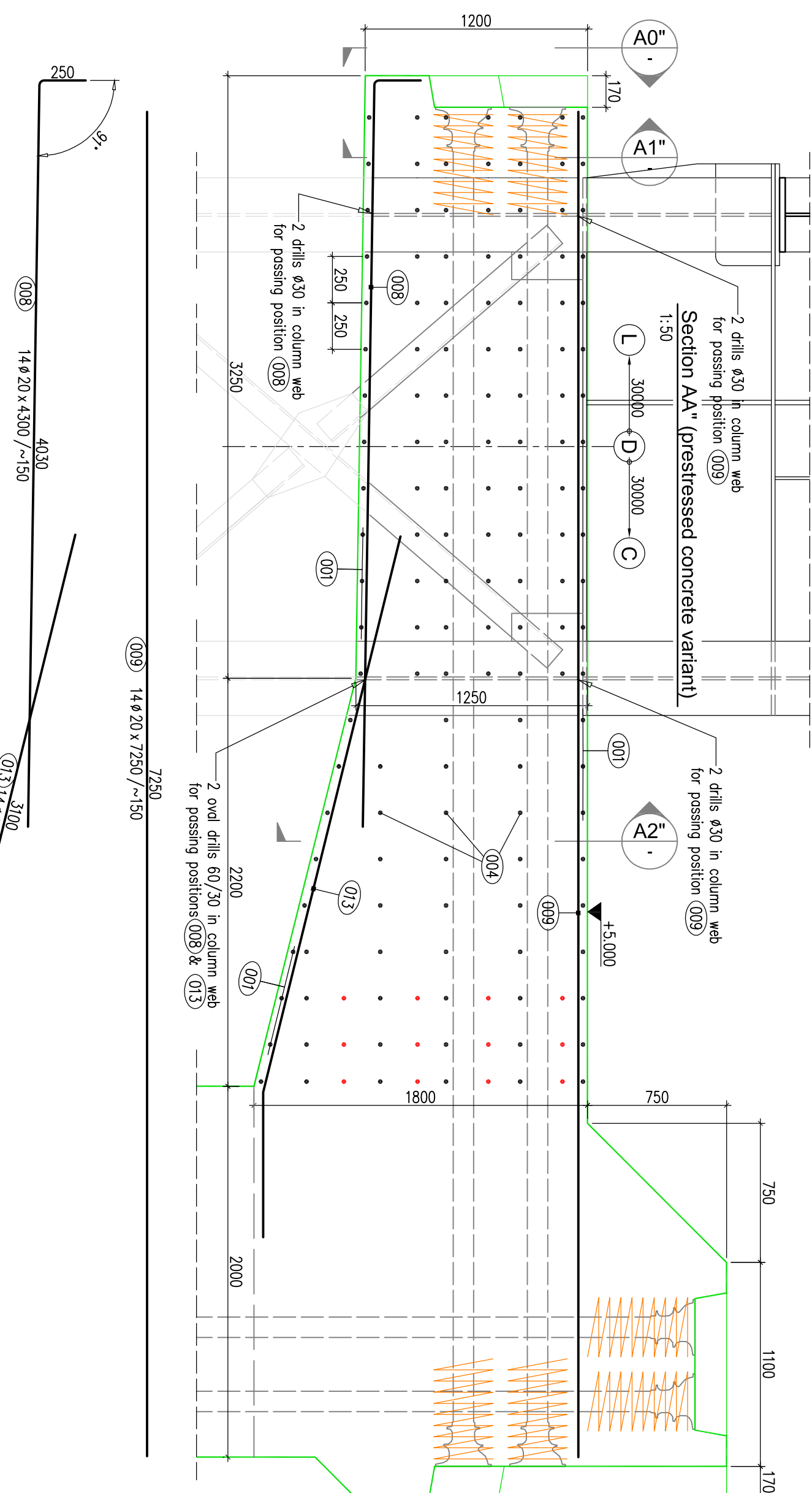
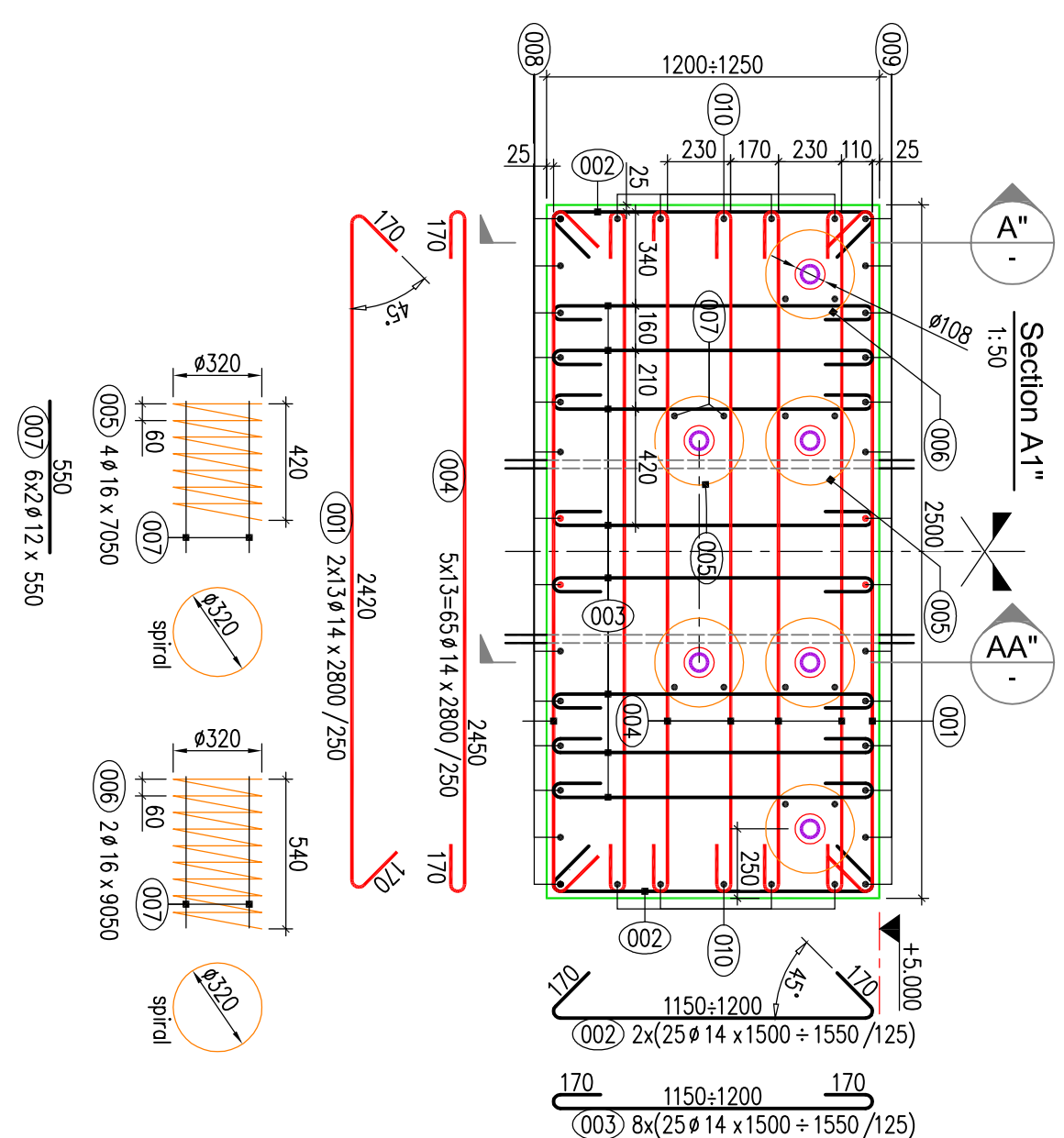


reinforcement specification						steel S500 (f _y =500MPa)									
φ6	φ8	φ10	φ12	φ14	φ16	φ18	φ20	φ22	φ25	φ28	φ30	φ32	φ34	φ36	φ40
L m		112	7	1163	47	76	217								
G Kg		70	7	1405	75	156	536								
		total : 2 249 Kg													

- ## Notes
1. Concrete grade C50/60 ($f_{ck}=60\text{MPa}$) for prestressed elements (column, cantilever)
 2. Reinforcement S500 ($f_y=500\text{MPa}$)
 3. Concrete coverage of reinforcement: 25mm
 4. Structural steel S235JR

01	13/05/2012	CST	Minor fixes
00	10/05/2012	CST	Detailed design Issue
NUM	DATE	NAME	MODIFICATION
REVISIONS			
PROJECT 0489 - LONG RAIL PRODUCTION FOR			
SUBOBJECT STRUDDED COLUMNS ARCELORMITTAL POLAND S.A.			

AUTHOR OF THE PROJECT 		CUSTOMER Association Fédérat S.A. 18, Avenue de la Soudaine P-320 097 21 70 A.J. J. Buissonnet 52 Pédagogie info@groupes.com	
AUTHOR'S DRAWING NUMBER 0489-SSD-01-05		CUSTOMER'S DRAWING NUMBER	
PART STRUCTURAL		PHASE DETAILED DESIGN	
DRAWING NAME Prestressed Concrete Variant "C" frame : Reinforcement Cantilever		SCALE 1:50	FORMAT A1
DESIGNED BY dipl. eng. Constantin Stăvilă		CHECKED BY 13/05/2012 Ir. Jacques Latre	REVISION 01
DRAWN BY dipl. eng. Constantin Stăvilă			