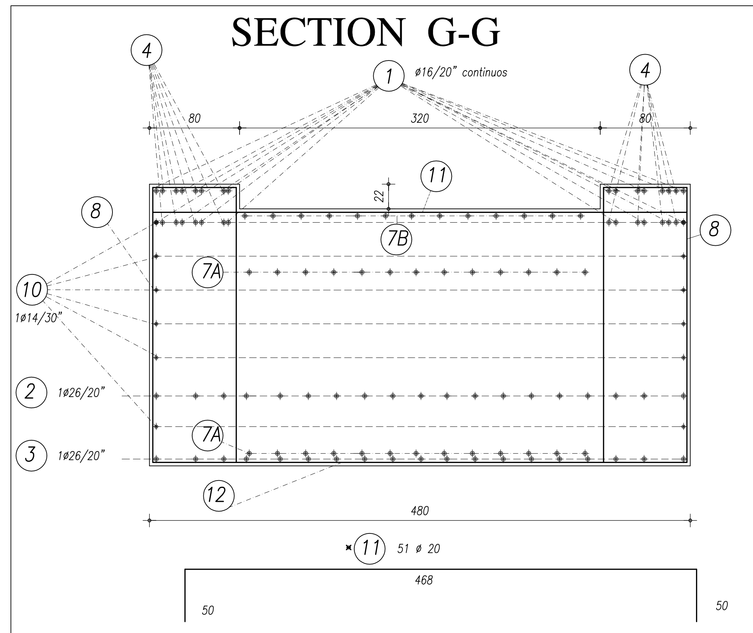
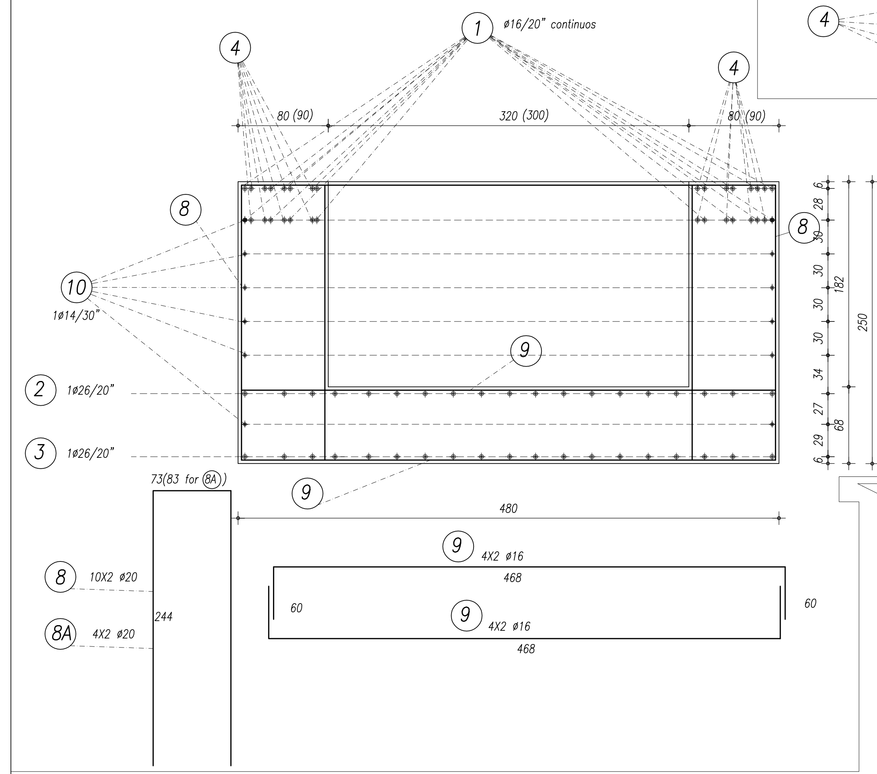
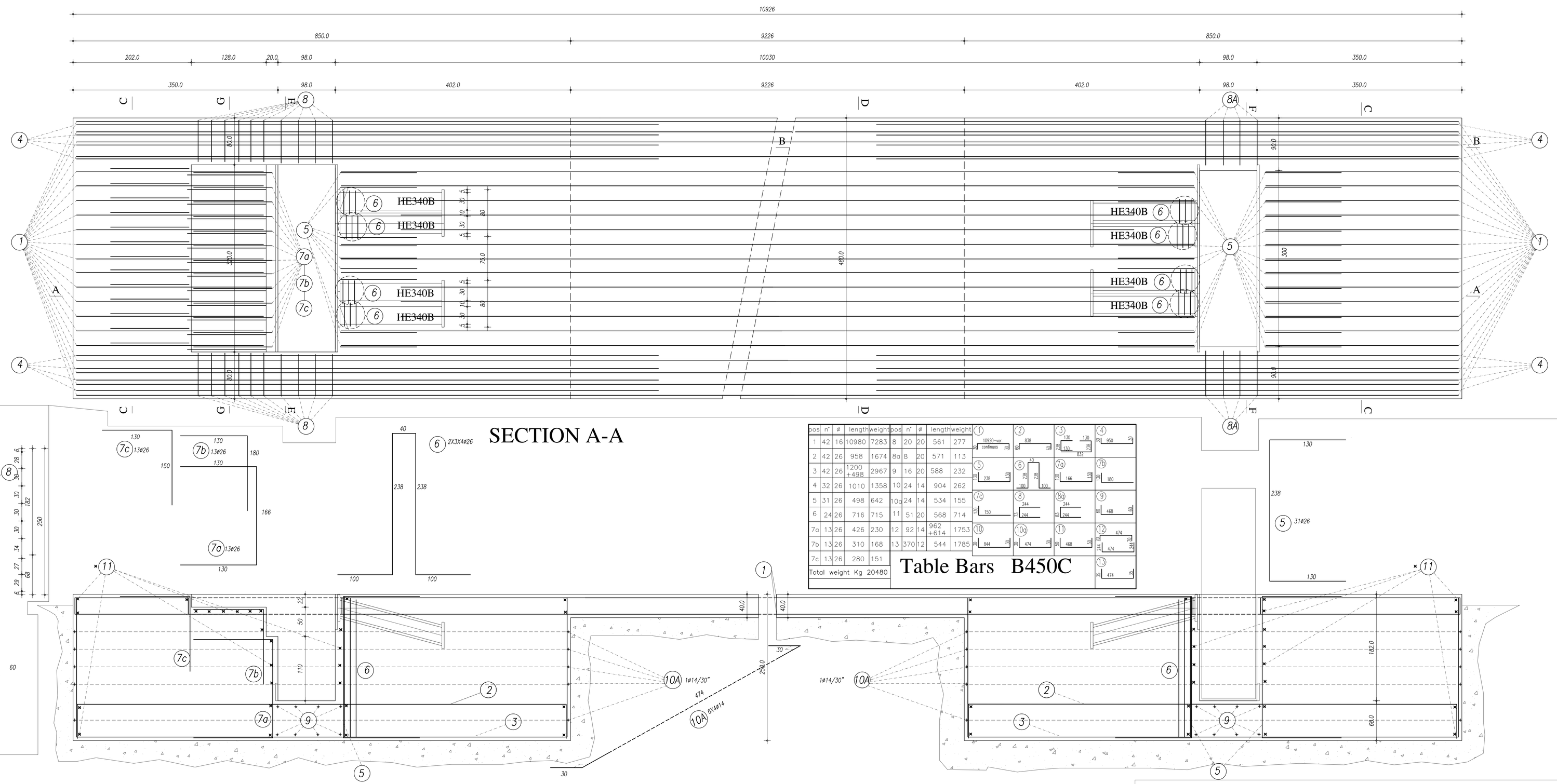
SECTION G-G



SECTION E-E (F-F)



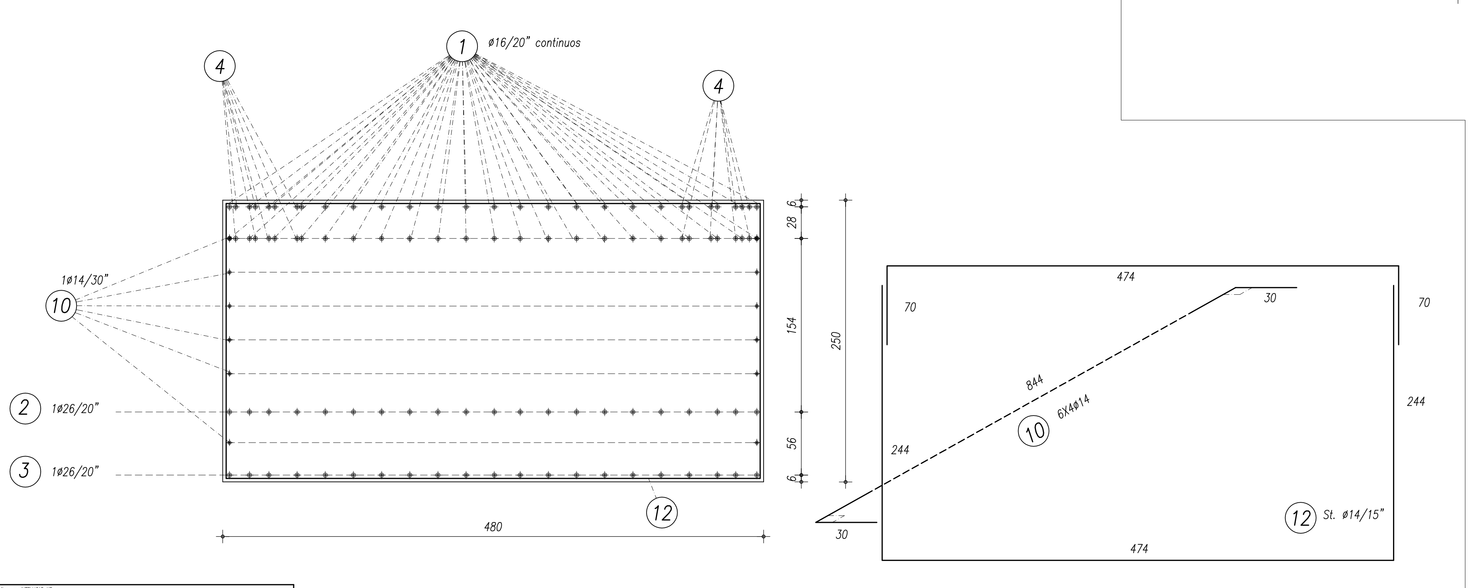


SECTION A-A

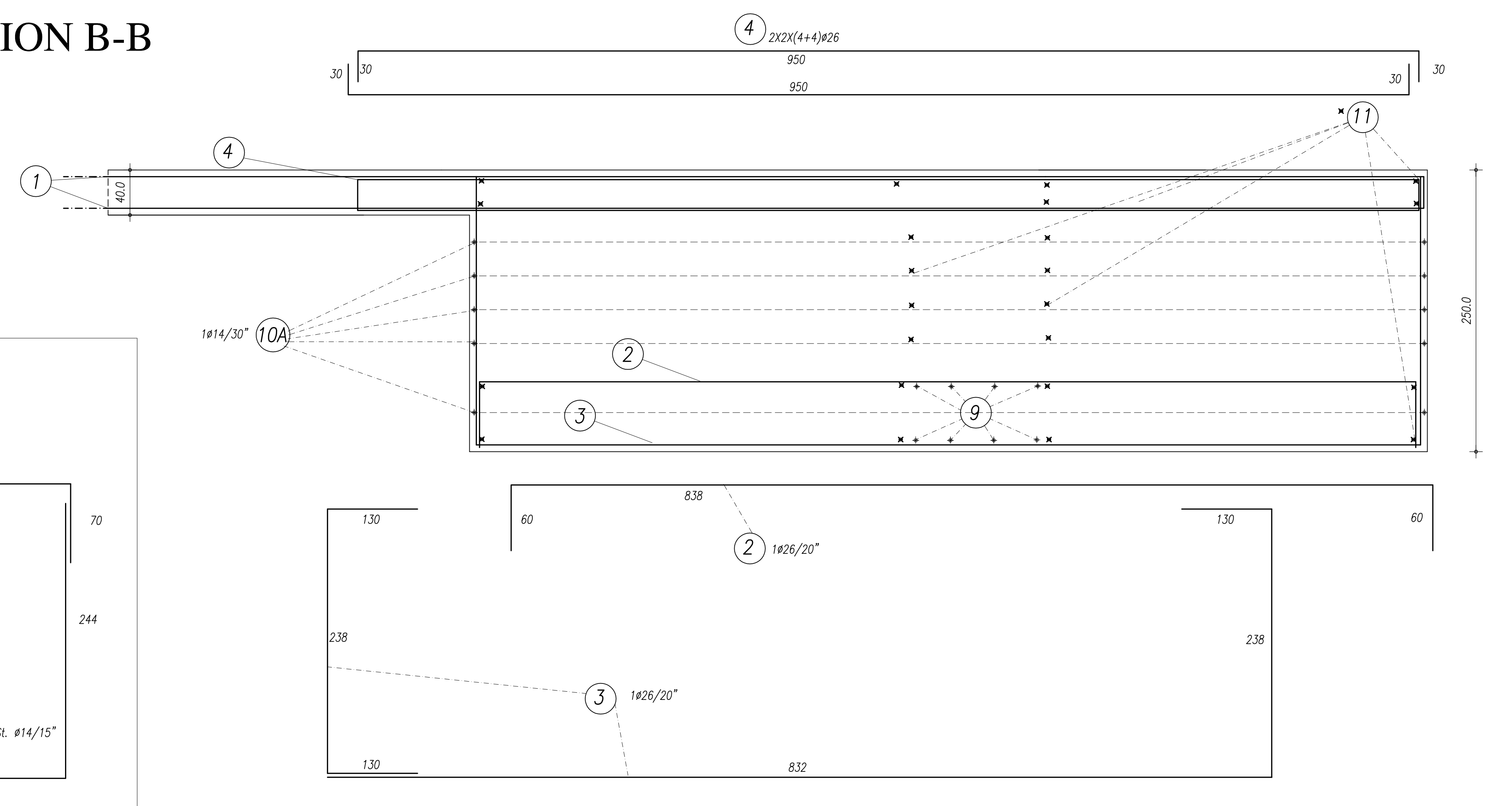
pos	n°	ø	length	weight	pos	n°	ø	length	weight
1	42	16	10980	7283	8	20	20	561	277
2	42	26	958	1674	8a	8	20	571	113
3	42	26	1200 +498	2967	9	16	20	588	232
4	32	26	1010	1358	10	24	14	904	262
5	31	26	498	642	10a	24	14	534	155
6	24	26	716	715	11	51	20	568	714
7a	13	26	426	230	12	92	14	962 +614	1753
7b	13	26	310	168	13	370	12	544	1785
7c	13	26	280	151					
Total weight Kg 20480									

Table Bars B450C

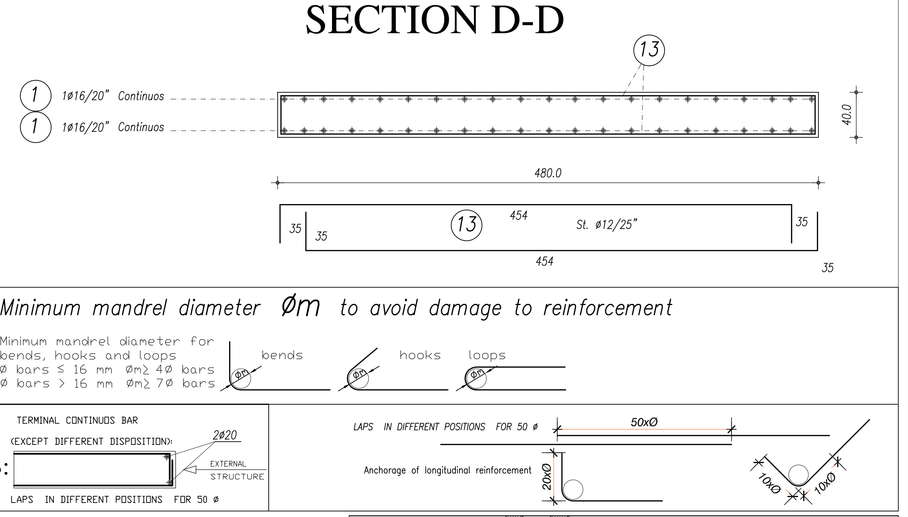
SECTION C-C



SECTION B-B



SECTION D-D



Minimum mandrel diameter Øm to avoid damage to reinforcement

Minimum mandrel diameter for bends, hooks and loops
Ø bars ≤ 16 mm Øm≥ 4Ø bars
Ø bars > 16 mm Øm≥ 7Ø bars

TERMINAL CONTINUOS BAR
(EXCEPT DIFFERENT DISPOSITION)

NB:

LAPS IN DIFFERENT POSITIONS FOR 50 ø

MATERIALS DATA	
CONCRETE C 25/30	
Minimum Characteristic Cylinder Strength	
	Fck,cyl ≥ 25 N/mq
MIN COVER	C= 3 cm Exposure class= XC2
CONVENTIONAL REINFORCING BARS : STEEL TYPE B450C	
fyk ≥ 450 N/mq	A 5 ≥ 12% ftk ≥ 540 N/mq
fy,eff/fy,nom≤1,25	ε su,k≥7,5% 1,15<ft/fy<1,35
PRODUCTION DEVIATIONS	
BEAM LENGTH=+/- 2.5 cm	L<20 m =+1/-L/800 cm L>20 m
SECTION B=+/- 1.0 cm	H=+/-1.0 cm

ENGISOFT
DESENZANO DEL GARDA / BS (ITALY)
Web: www.engisoft.org
E-Mail: studio@engisoft.org

TENSION
PRESTRESSED CONCRETE GIRDERS

Object: 800 t TENSION PLATFORM

N° JOB 88(C-2049)

PHASE REINFORCED CONCRETE

Date: 12-07-08
Revisions:
-

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Drawing N° 3 of 3

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