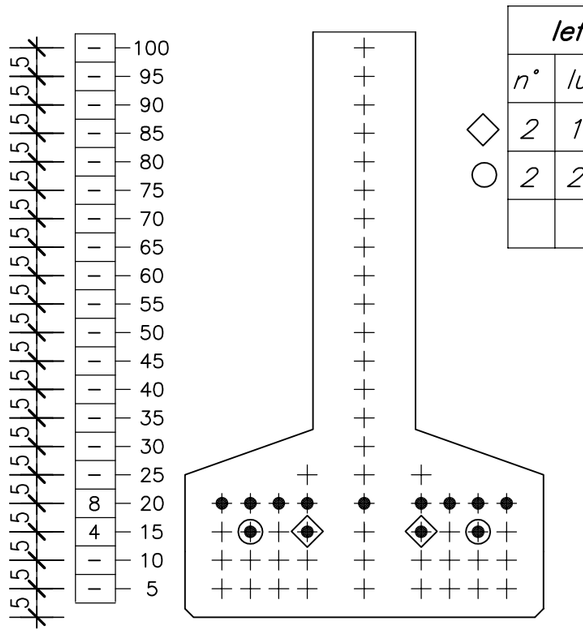


left		GUAINE	right	
n°	lungh.	pos.	lungh.	n°
2	100	15	100	2
2	200	15	200	2

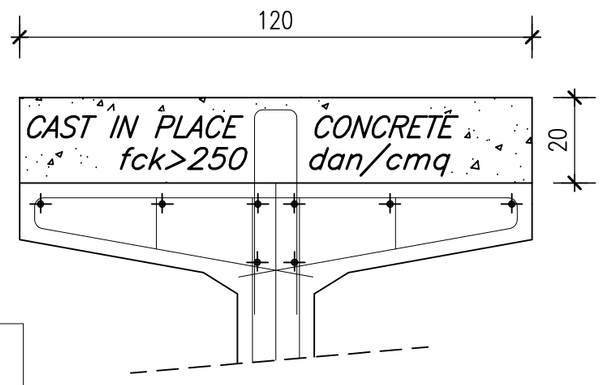
N. **13** STRANDS 0.6"

barycenter
18.46 CM
from bottom

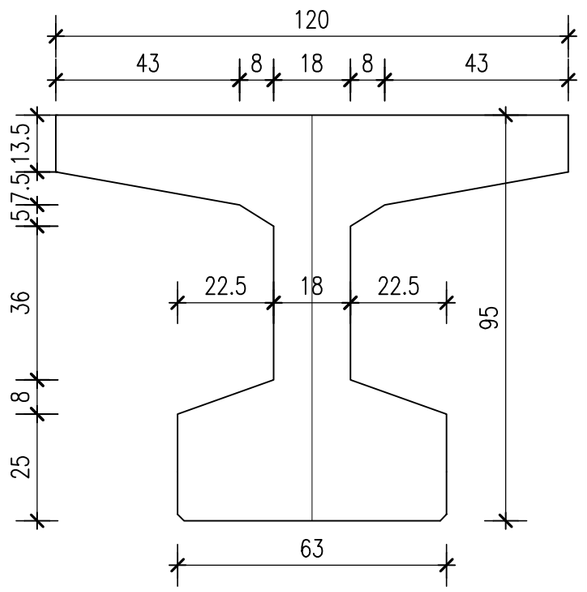
WEIGHT STRANDS DaN	248

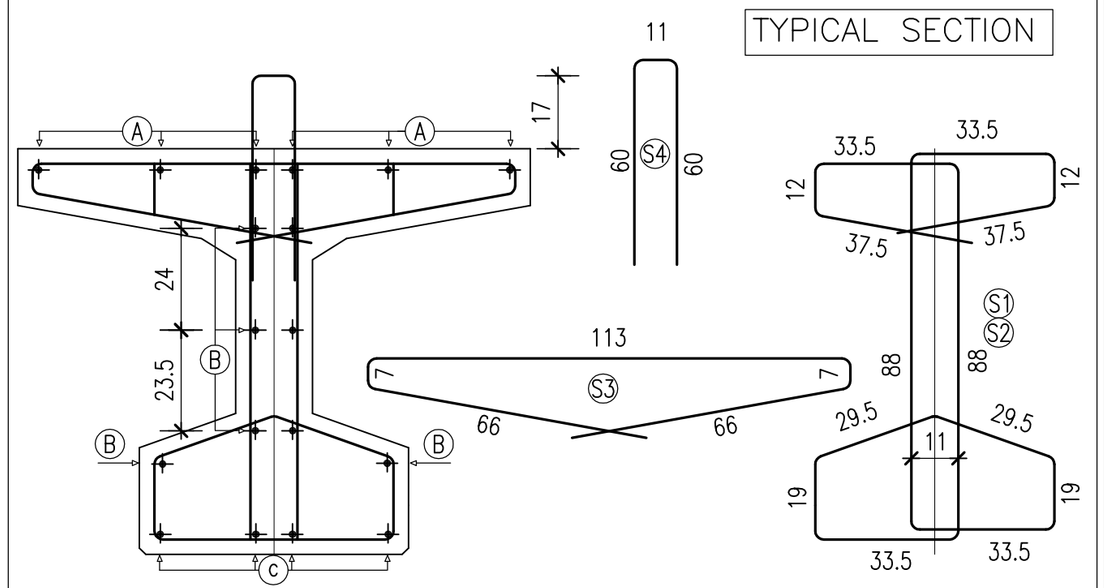
B450C					STIRRUPS B450C				
POS.	N°	ø	Length	Weight	POS.	N°	ø	Length	Weight
A	6	12	1744	92.8	S1	14	12	506	62.9
B	8	8	1744	55.0	S2	71	10	506	221.4
C	4	10	1744	43.0	S3	85	10	259	135.7
D	3+3	10	170	6.29	S4	85	10	131	68.6
E	1+1	14	330	7.97	S5				
F	4+4	12	180	12.78					
G	2+2	14	270	13.04					
H	–	–	–	–					
I	–	–	–	–					

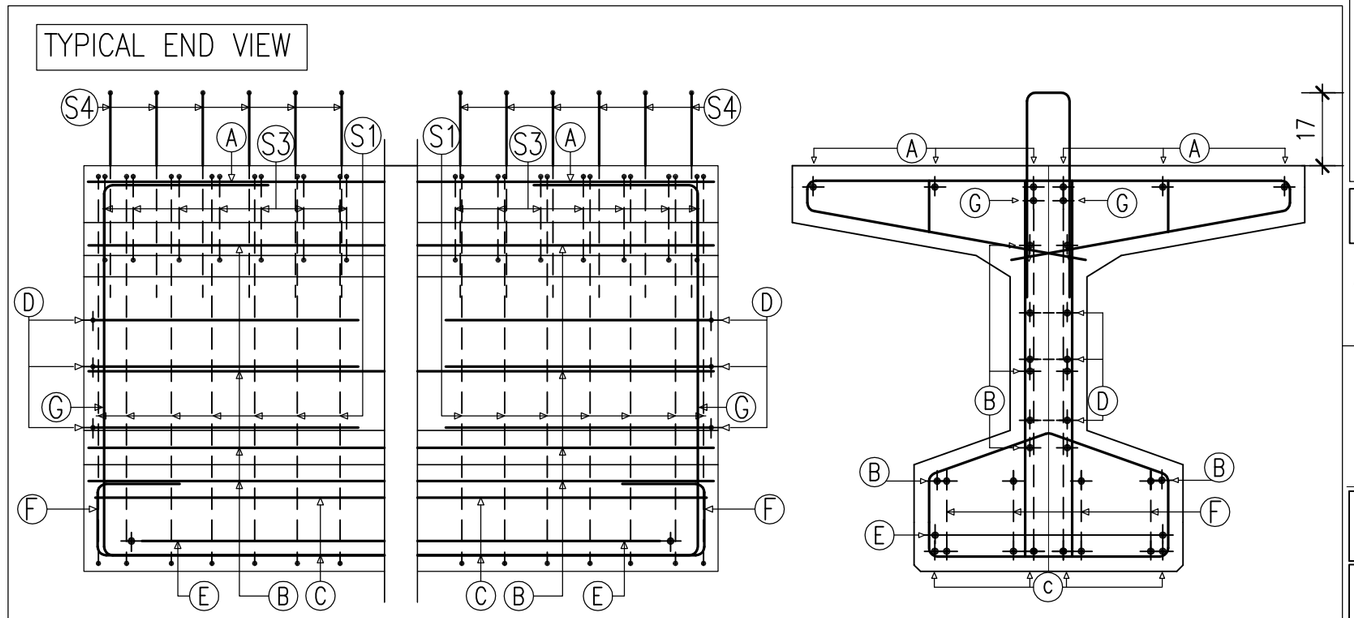
WEIGHT B50C daN	719.5

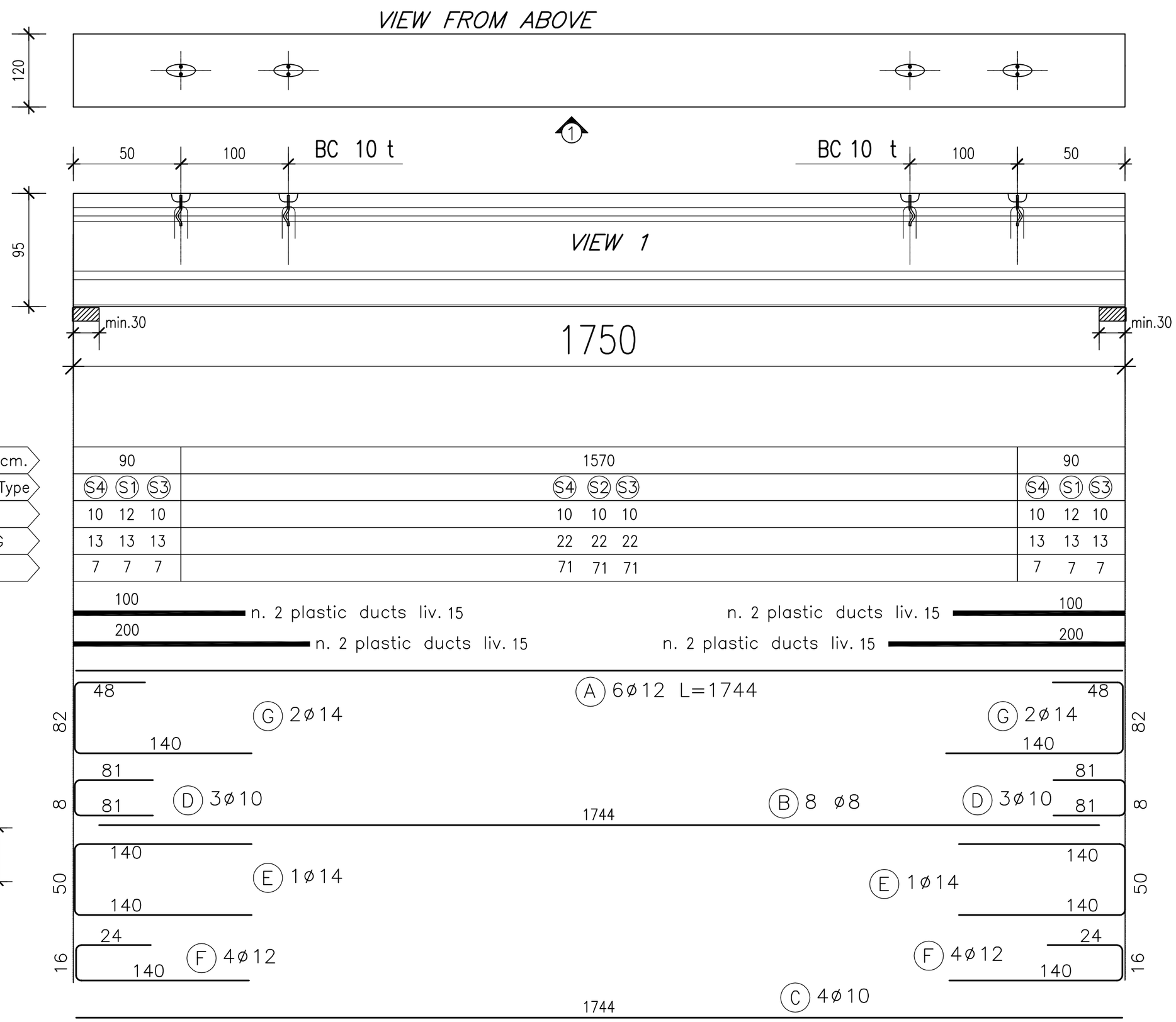


Beam Type 6









DESIGNS OUTSIDE SCALE

LOADS

VARIABLE	1200	daN/ml
PERMANENT	800	daN/ml
TOTAL	2000	daN/ml

Cast in place concrete , self-weight excluded

MATERIALS DATA

CONCRETE C45/55:
Minimum Charac. Cylinder Strength
fckj ≥ 330 daN/cmq
fck ≥ 450 daN/cmq
CONVENTIONAL REINFORCING BARS:
STEEL TYPE B450C
fyk >= 4500 daN/cmq
ftk >= 5400 daN/cmq A5>12%

PRESTRESSING STEEL:
seven Wire low relaxation strands
0.6 Diam.
Jack tension $\delta ap.$= 14030 daN/cmq
Jack Initial force=19500 daN (ø0.6)
fptk > 18600 daN/cmq
fp(1)k > 16700 daN/cmq

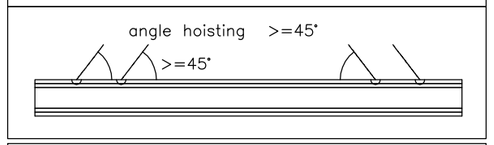
MIN COVER C= 3.5 cm
Exposure class= XD3

PRODUCTION DEVIATIONS

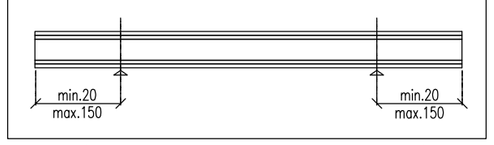
length +1/-2.5 cm L<20m : +1/-L/800cm L>20m
Height ± 1 cm
Width ± 1 cm
pos. Prestessing steel ± 0.5 cm
pos. Conventional Bars ± 1.5 cm

laps in different positions >40ø
min.spacing >=2 cm, >=ø max

HOISTING



TRANSPORT – STORAGE



LIFTING EQUIPEMENT

DESCRIPTION	N.
BIANCHI CASSEFORME	
FOOT EYE LIFTING ANCHORS	
AXIAL NOM.CAP.LOAD t10	4

Laps different positions 40ø — 40xø

INITIAL BOW HEIGHT=−0.87Cm
(POSITIVE ↓ in cm)

CONCRETE
volume mc 8.5
Weight t 21.27

ENGISOFT
DESENZANO d/G (BS) (ITALY)
Web:www.engisoft.org
Mail:studio@engisoft.org

STANDARD PRESTRESSED CONCRETE GIRDERS

Date: 11–06–08

Object:
Beam Type 6
Length 17.5 ml

Revisions: --------

N° JOB 88(C2049)

PHASE Execution design

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