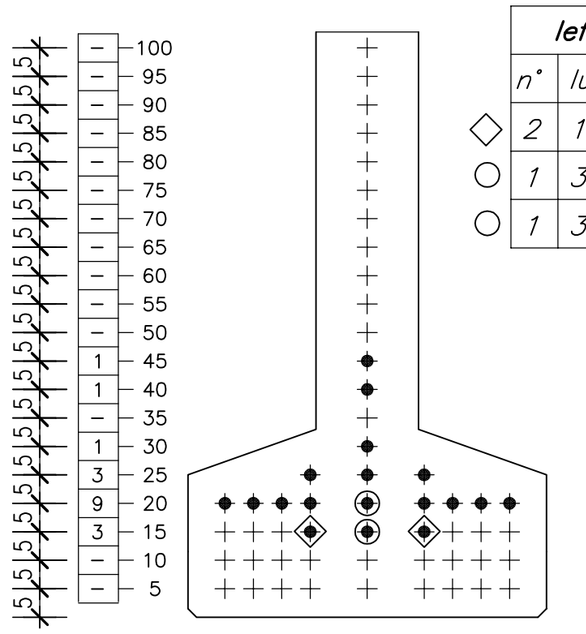


left		GUAINE	right	
n°	lungh.	pos.	lungh.	n°
2	150	15	150	2
1	300	15	300	1
1	300	20	300	1

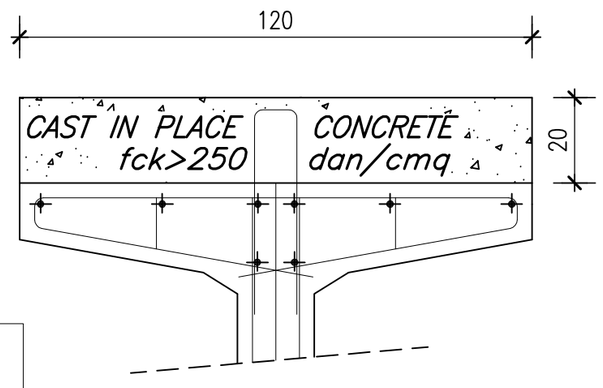
N. **18** STRANDS 0.6"

barycenter
23.055
from bottom

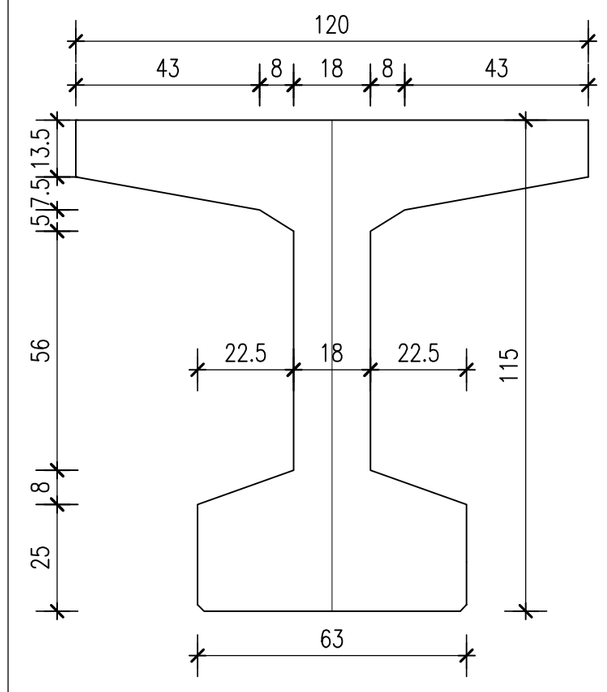
WEIGHT STRANDS DaN	422

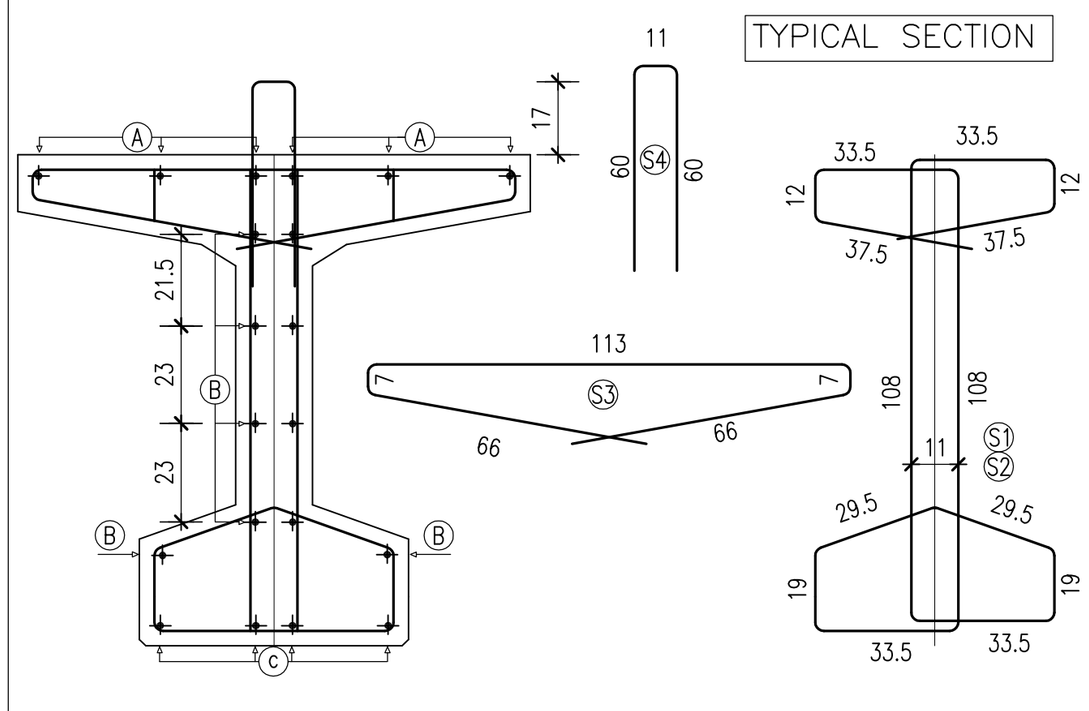
B450C					STIRRUPS B450C				
POS.	N°	ø	Length	Weight	POS.	N°	ø	Length	Weight
A	6	12	2144	114.1	S1	18	14	546	118.7
B	8	8	2144	67.6	S2	83	10	546	279.3
C	4	10	2144	52.8	S3	101	10	259	161.2
D	4+4	10	170	8.38	S4	101	10	131	81.5
E	1+1	14	410	9.90	S5				
F	4+4	14	220	21.26					
G	2+2	14	320	15.46					
H	–	–	–	–					
I	–	–	–	–					

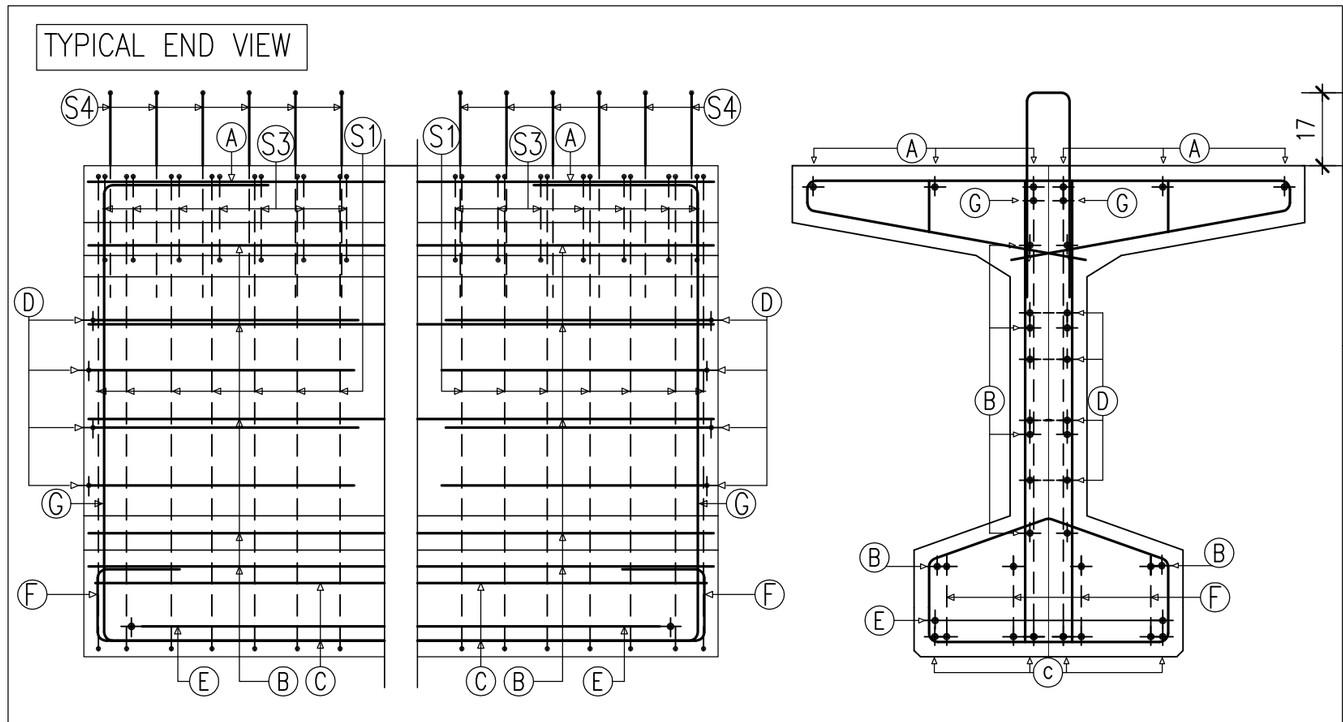
WEIGHT B50C daN	930.2

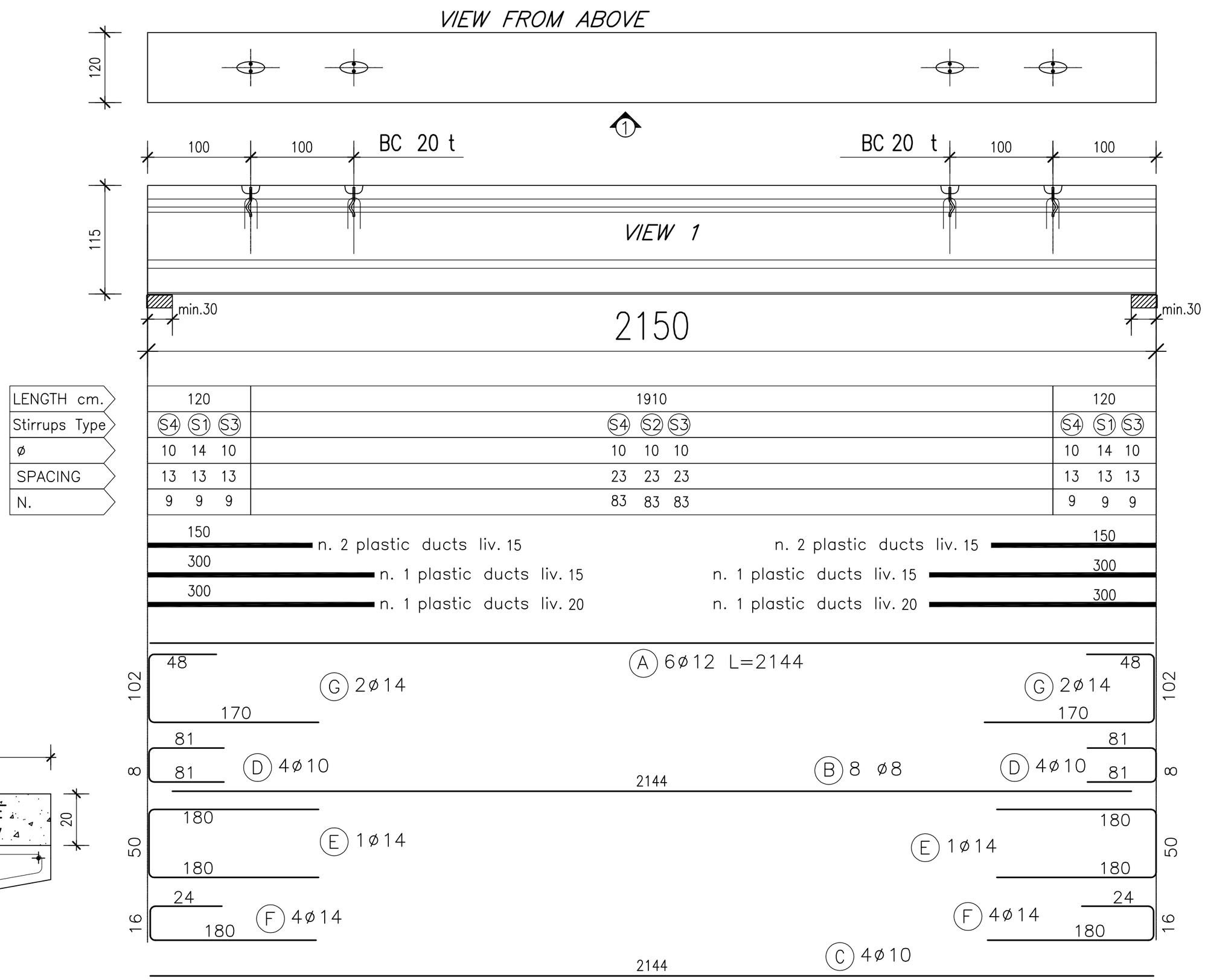


Beam Type 7









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 δ ap.= 14030 daN/cmq
Jack Initial force=19500 daN (ø0.6)
fptk > 18600 daN/cmq
fp(1)k > 16700 daN/cmq

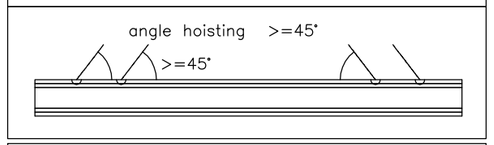
MIN COVER C= 3.5 cm
Exposure class= XD3

PRODUCTION DEVIATIONS

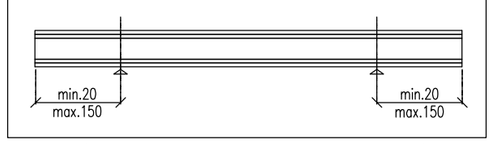
length +1/-2.5 cm L<20m : +1/-L/800cm L>20m
Height ± 1 cm
Width ± 1 cm
pos. Prestessing steel ± 0.5 cm
pos. Conventional Bars ± 1.5 cm

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	t20	4

Laps different positions 40ø — 40xø

INITIAL BOW HEIGHT=−1.25Cm
(POSITIVE ↓ in cm)

CONCRETE
volume mc 11.23
Weight t 28.07

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

STANDARD PRESTRESSED CONCRETE GIRDERS

Date: 11–09–08

Object:
Beam Type 7
Length 21.5 ml

Revisions: --------

N° JOB 88(C2049)
PHASE Execution design