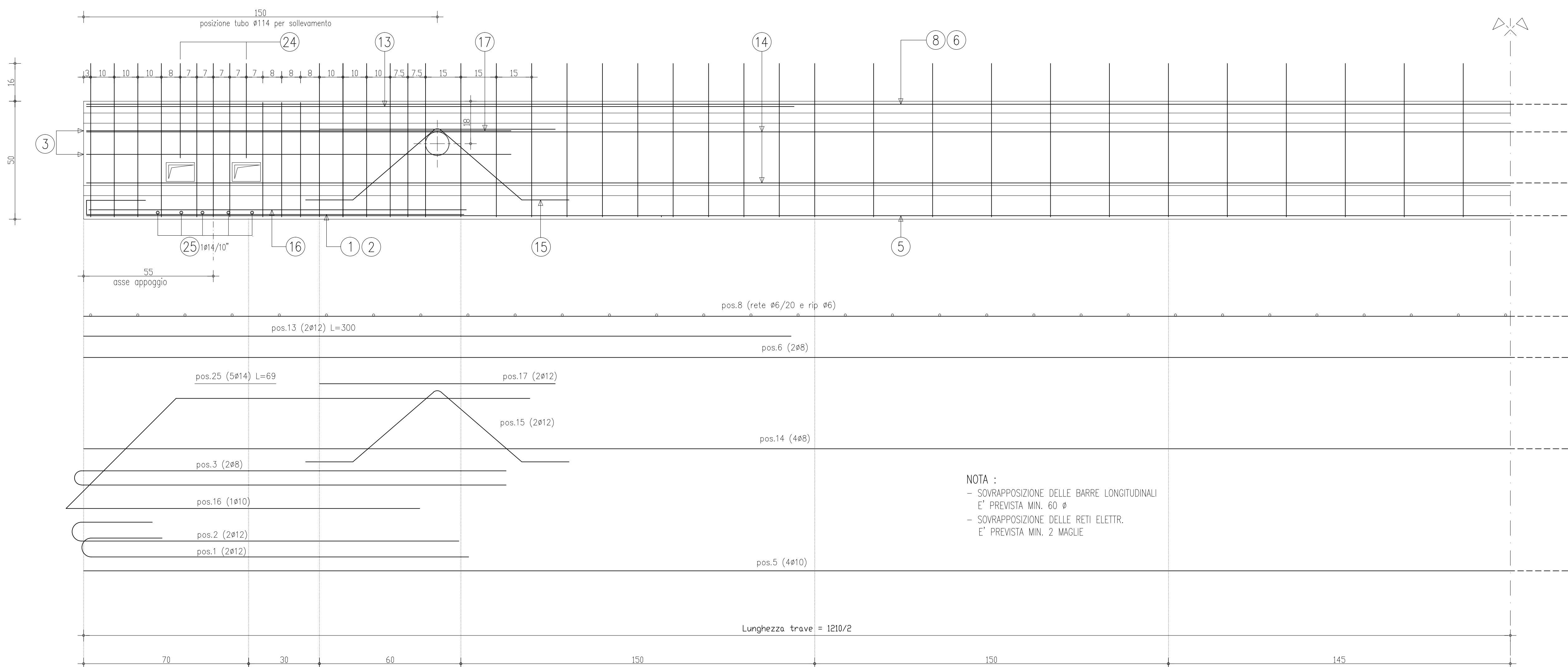






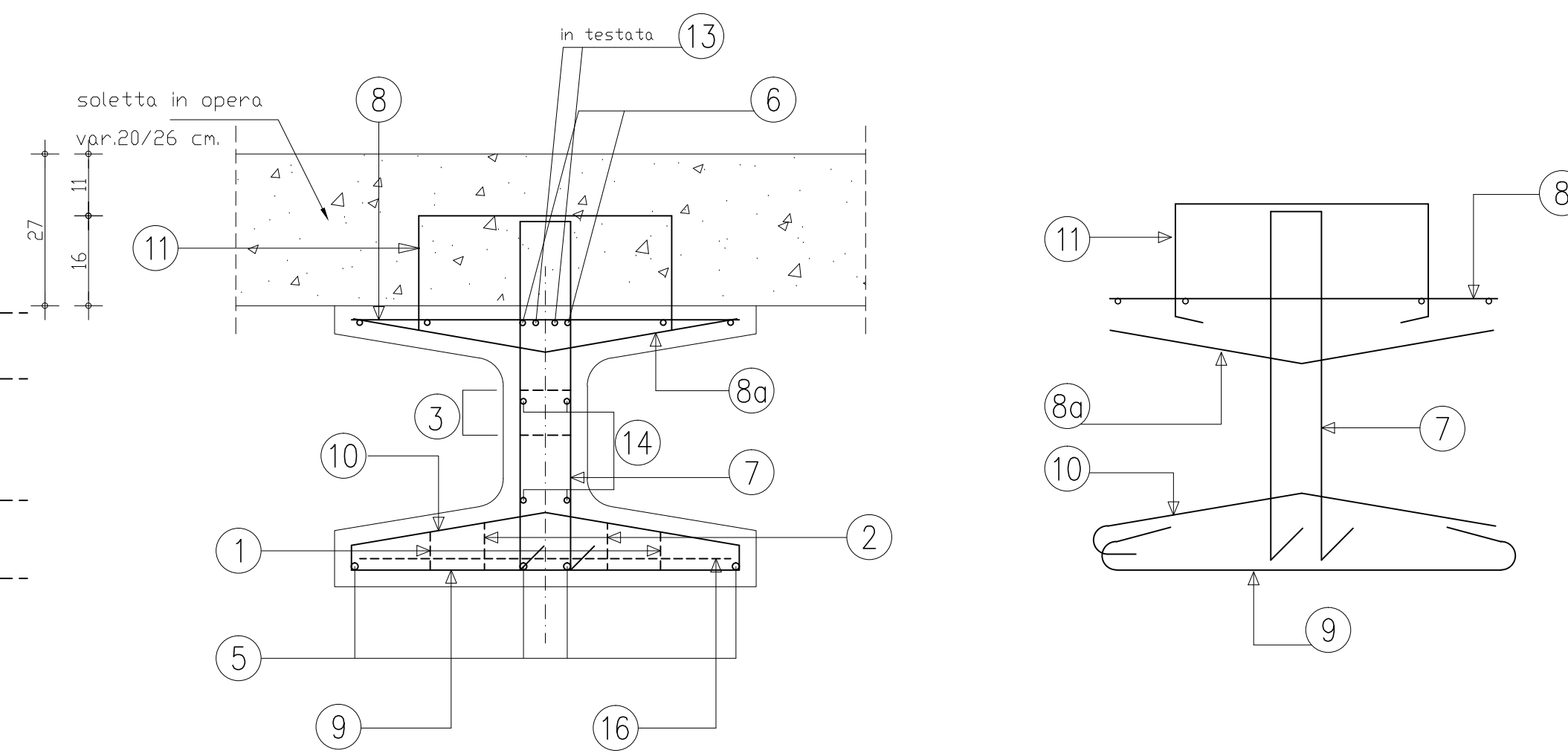


SEZIONE LONGITUDINALE – ARMATURA E DISPOSIZIONE STAFFE

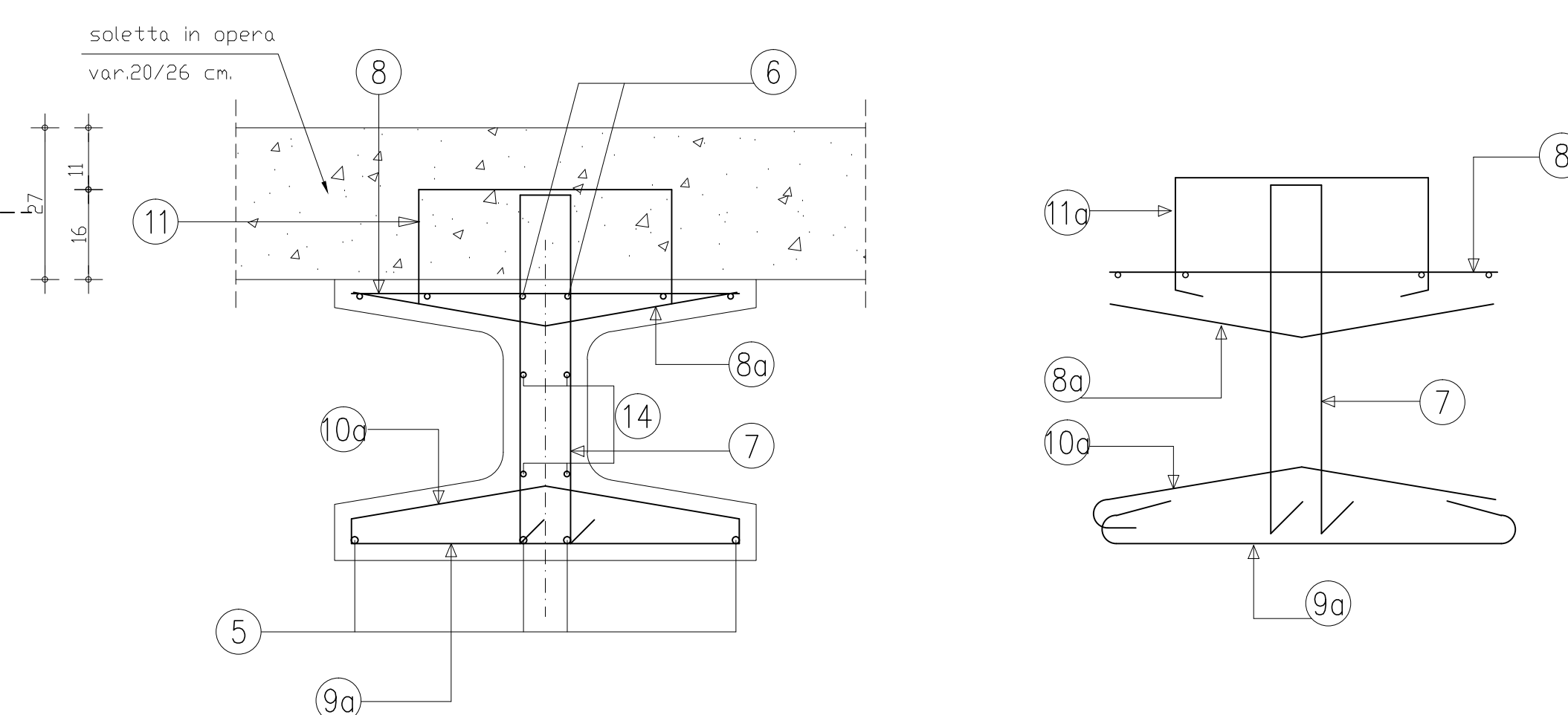


POS. 7		7a n7 ø 10	7b n3 ø 10	7c ø 10/10* (n7)	7c ø 10/15* (n10)	7c ø 10/25* (n6)	7b ø 8/25* (n3)
POS. 8							8 ø rete elett. tipo 5 (ø 6/20'e rip. ø 6)
POS. 8a		8a /				8a ø 8/40* (n13)	
POS. 9		9 ø 8/10* (n11)				9a ø 8/20* (n25)	
POS. 10		10 ø 8/10* (n11)				10a ø 8/20* (n25)	
POS. 11		11 ø 10/15* (n4)	11a /		11a ø 8/30* (n8)	11a ø 8/50* (n6)	

ARMATURA SEZIONE IN TESTATA

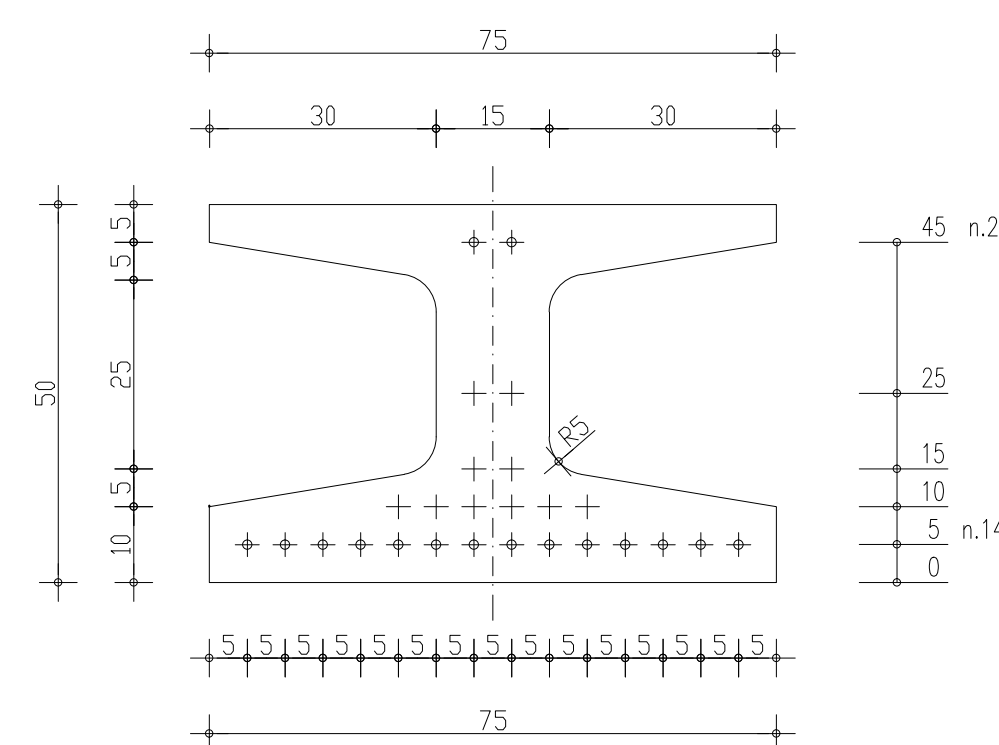


ARMATURA SEZIONE FILANTE



TRAVE AD I TIPO 50/75/75

LT= 12.10 mt. LC= 11.00 mt. N° 16 TREFOLI DA 0.5"  
(sezione 0.1964 mq.)



## PRESCRIZIONE MATERIALI

tesatura iniziale trefoli = 1350 N/mmq.  
calcestruzzo Rck = 55 N/mmq. C45/55  
calcestruzzo Rckj = 35 N/mmq.  
incidenza trefoli= 11.68 kg/ml.  
volume cls. = 2.32 mc.  
peso trave = 5800 kg.

armatura tipo B450C controllato in stabilimento  
acciaio armonico TS 0.5"

$f_{p(1)k}$	= 1670 N/mmq.
$f_{ptk}$	= 1860 N/mmq.

STOCCAGGIO E MONTAGGIO	TOLLERANZE DI PRODUZIONE
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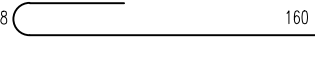
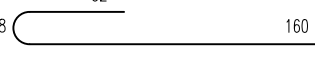
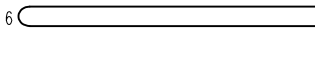
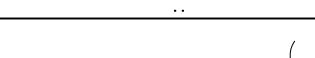
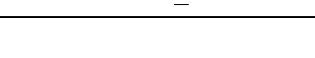
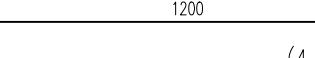
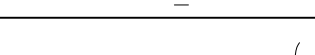
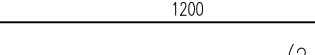
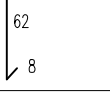
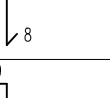
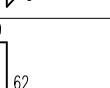
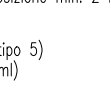
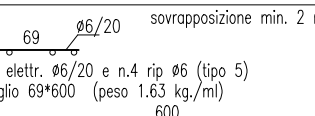
- dimensione sezione  $\pm 1$  cm.  
- lunghezza trave  $\pm 2$  cm.  
- posiz. cavi di prec.  $\pm 0.5$  cm.

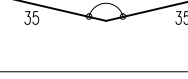
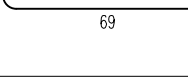
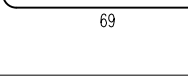
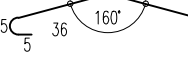
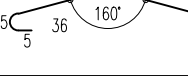
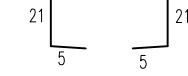

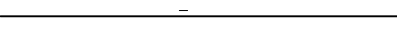

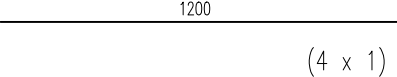
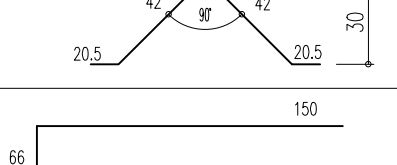
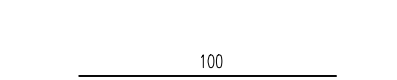

SCHEMA DI TRASPORTO  
lunghezza trave

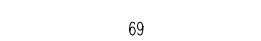


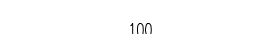


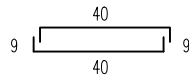
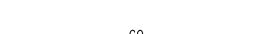
NOTA BENE:

Il getto della soletta deve essere realizzato solo dopo la realizzazione e maturazione dei traversi.

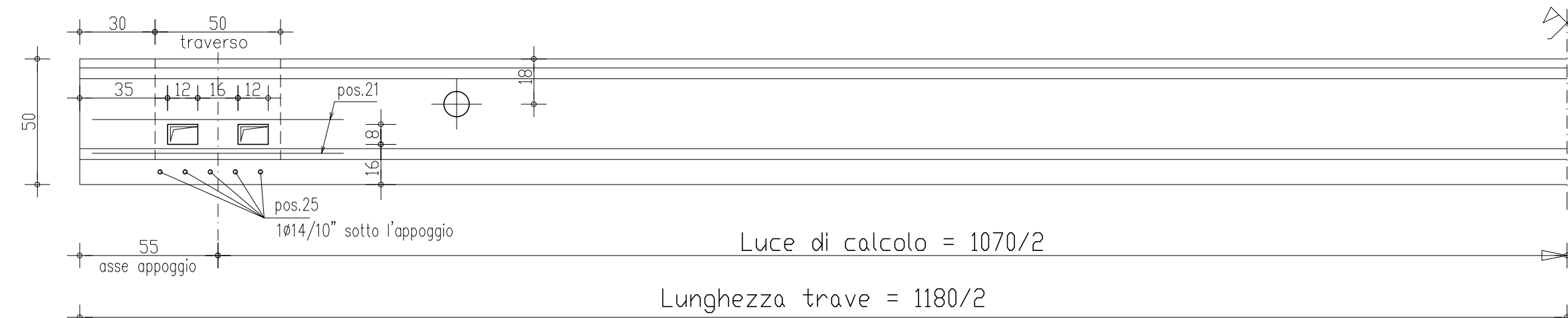
## LISTA FERRI – TRAVE | 50/75/75

pos.	Ø feb44K	sagoma ferri	ferri n.	taglio (cm)	peso (Kg)
1	12		2+2	200	7,10
2	12		2+2	200	7,10
3	8		2+2	366	5,78
4	-		-	-	-
4a	-		-	-	-
5	-		4	1200	29,62
5a	-		-	-	-
6	8		2	1200	9,48
7a	10		14	149	12,87
7b	10		6	113	4,18
7c	10		46	149	42,30
7d	8		10	149	5,88
8	Ø 62/20 ep.46	 simposione n.2 - moglie	2	69x600 69x60	19,56 0,98

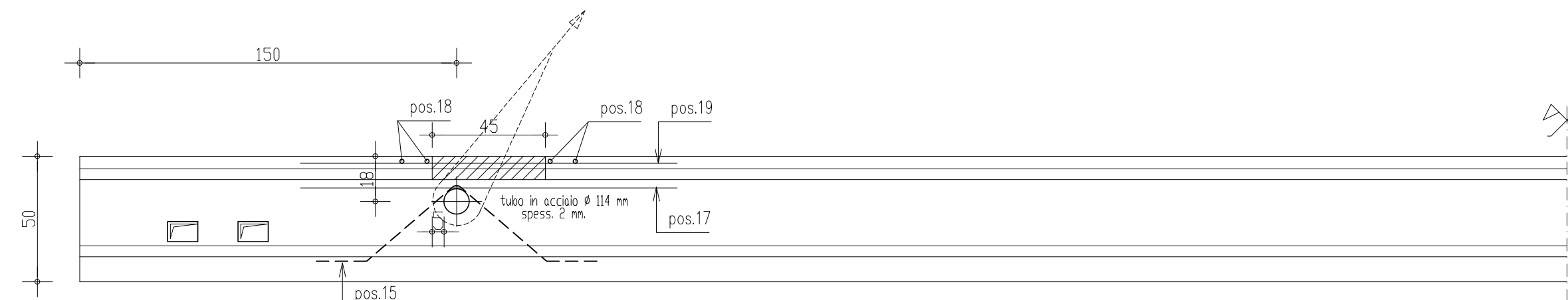
pos.	Ø feb44K	sagoma ferri	ferri n.	taglio (cm)	peso (Kg)
8a	8		26	70	7.19
9	8		22	105	9.12
9a	8		50	105	20.74
10	8		22	80	6.95
10a	8		50	80	15.80
11	10		8	70	3.46
11a	8		28	95	10.51
12	-		-	-	-
13	12		2+2	300	10.66
14	8		4	1200	18.96
15	12		2+2	125	4.44
16	10		1+1	366	4.52
17	12		2+2	100	3.55

pos.	Ø feb44k	sagoma ferri	ferri n.	taglio (cm)	peso (Kg)
18	10		4+4	69	3.40
19	10		4+4	150	7.40
20	-		-	-	-
21	8		4+4	100	3.16
22	-		-	-	-
23	-		-	-	-
24	10		4+4	58	2.86
25	14		5+5	69	8.35
PESO TOTALE ARMATURA KG.					285.92
INCIDENZA ARMATURA KG/ML					23.63

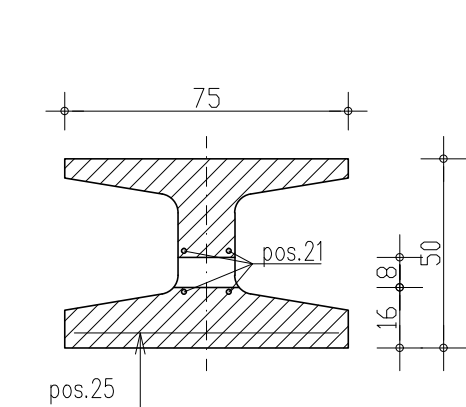
PARTICOLARE ARMATURA FORI  
PER TRAVERSI DI TESTATA



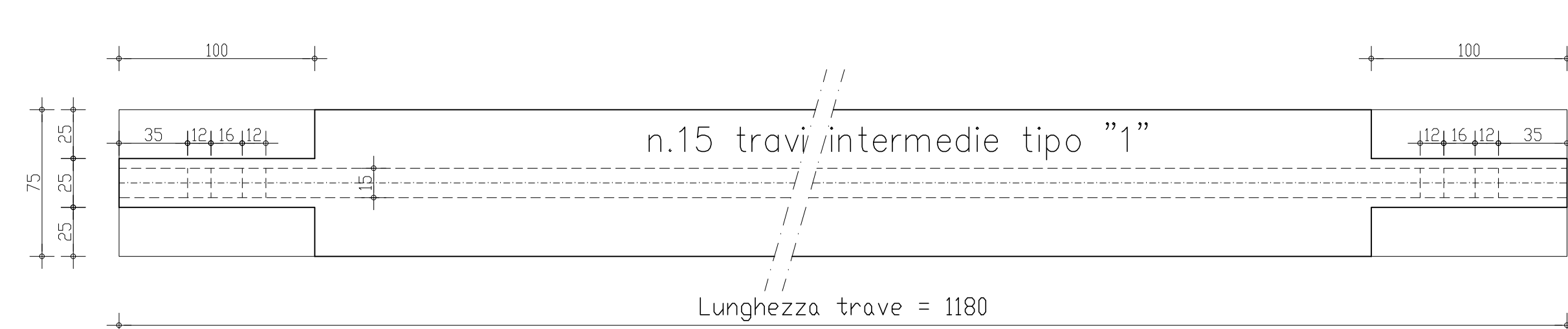
## PART. FORI PER IL SOLLEVAMENTO: ARMATURA DI RINFORZO



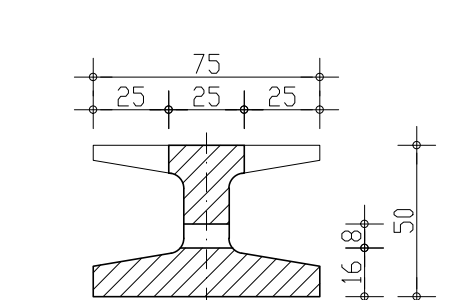
## sezione in testata



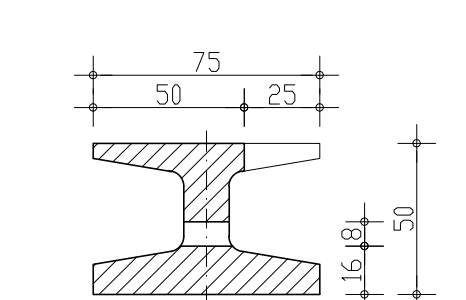
## PIANTA TRAVI : SCASSI ALA SUPERIORE



sezione in testata



sezione in testata



## PROVINCIA DI BOLOGNA

Settore Lavori Pubblici

STRADA		<div> <div>Servizio</div> <div>Progettazione e Costruzioni Stradali</div> </div>	
LAVORO			
<b>COMPLETAMENTO DELLA VARIANTE GENERALE ALLA S.P. 569 E VARIANTE ALLA S.P. 27 E ALLA S.P. 78 NEI COMUNI DI CRESPELLANO E BAZZANO</b>			
ELABORATO		DATA	LUGLIO 2013
VARIANTE S.P. n°569 "DI VIGNOLA" SOTTOPASSO STRADALE E FERROVIARIO VIA CA' ROSSA prog.km 74.513 Armatura travè 1		N.	SCALA
		G.12.5	varie
		RIFERIMENTO: <b>PROGETTO ESECUTIVO</b>	
PROGETTAZIONE GENERALE		PROGETTISTA	
Geom. Emanuele Triacchi (Ing. Enzo Ferrari) P.r. Stefano Rimington Geom. Federico Varnacchi		Dott. Ing. Marco Ferrarini 	
<b>IL DIRIGENTE DEL SERVIZIO RESPONSABILE UNICO DEL PROCEDIMENTO</b> Dott. Ing. Pietro Lumisani			
1	09/12/2013	revisione	
0	16/07/2013	emissione	
REVISIONE	DATA	MODIFICA	

QUESTO DISEGNO E LA RELATIVA INVENZIONE SONO DI PROPRIETA' DELL'AMMINISTRAZIONE  
NON NE E' CONSENTITO L'UTILIZZO SE NON SU ESPLICITA AUTORIZZAZIONE  
OGNI DIRITTO A TALE RIGUARDO E' ESPRESSAMENTE RISERVATO ED ESCLUSIVO