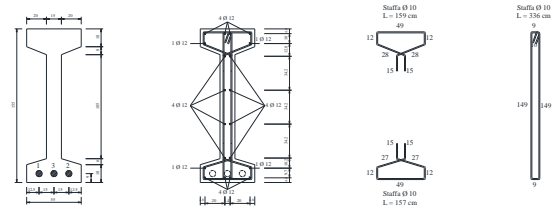


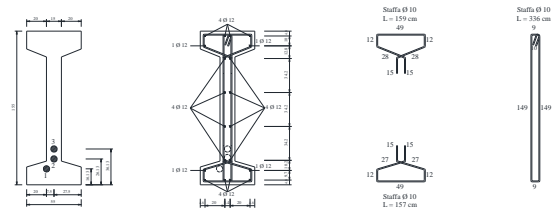
ALLEGATO GRAFICO 2



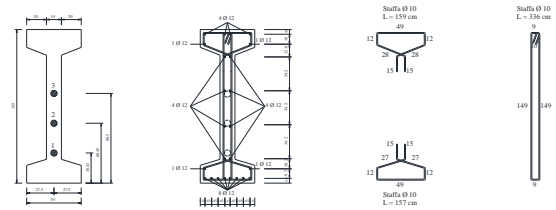
SEZIONE A - A (Scala 1:50)



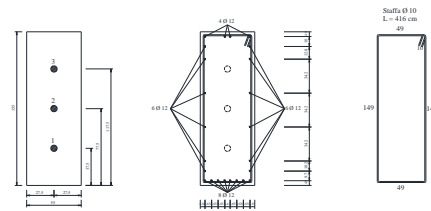
SEZIONE B - B (Scala 1:50)

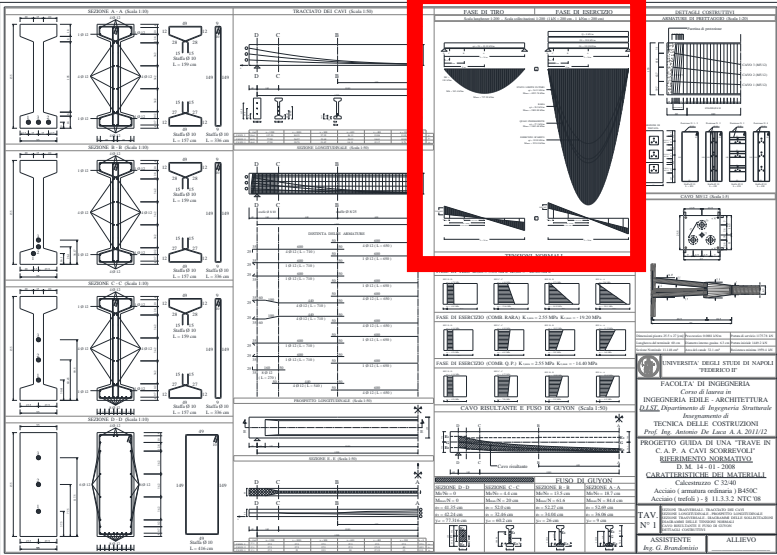


SEZIONE C - C (Scala 1:50)



SEZIONE D - D mezzeria (Scala 1:50)





ALLEGATO GRAFICO 3

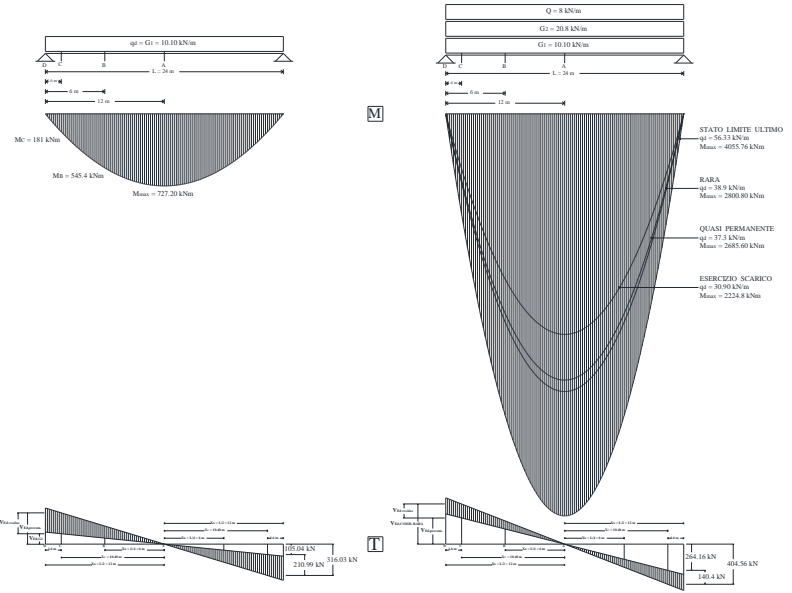


FASE DI TIRO

Scala lunghezze 1:500
Scala sollecitazioni 1:500

FASE DI ESERCIZIO

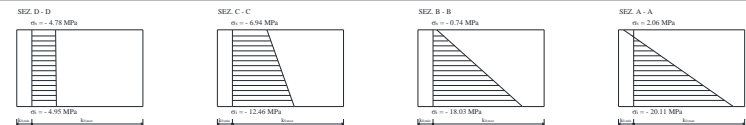
Scala lunghezze 1:500
Scala sollecitazioni 1:500



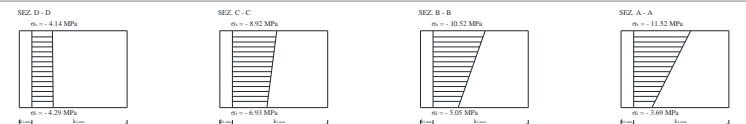
TENSIONI NORMALI

Scala lunghezze 1:100
Scala tensioni 1 cm = 10 MPa

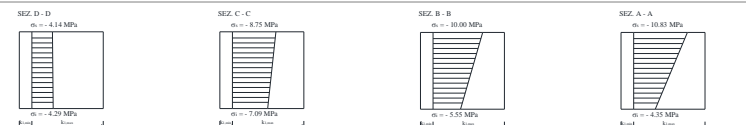
FASE DI TIRO $K_{0,min} = 3.06 \text{ MPa}$ $K_{0,max} = -22.40 \text{ MPa}$

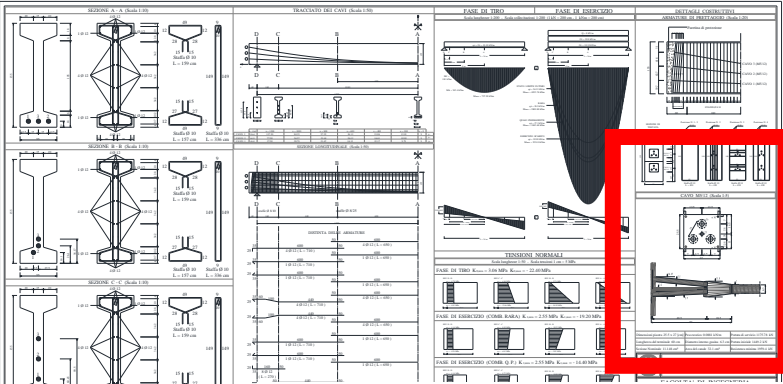


FASE DI ESERCIZIO (COMB. RARA) $K_{1,min} = 2.55 \text{ MPa}$ $K_{1,max} = -19.20 \text{ MPa}$

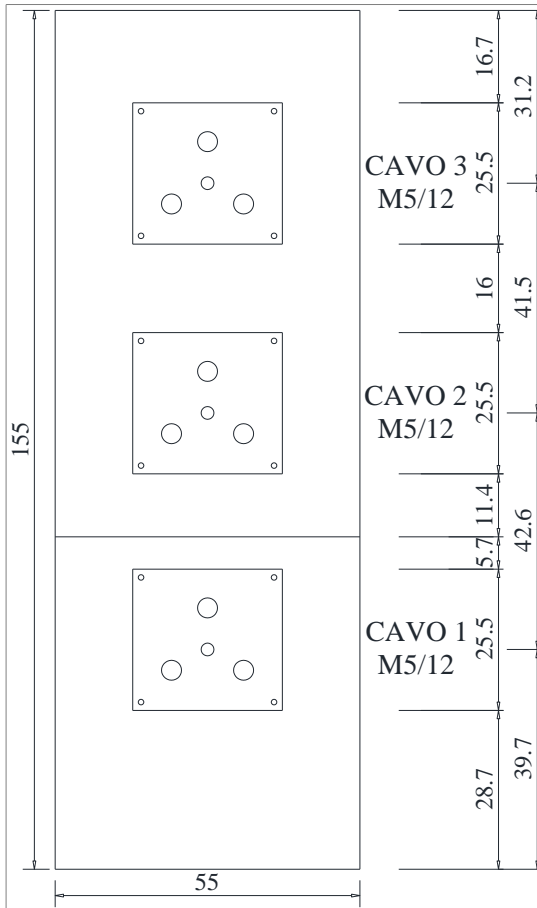


FASE DI ESERCIZIO (COMB. Q. P.) $K_{1,min} = 2.55 \text{ MPa}$ $K_{1,max} = -14.40 \text{ MPa}$

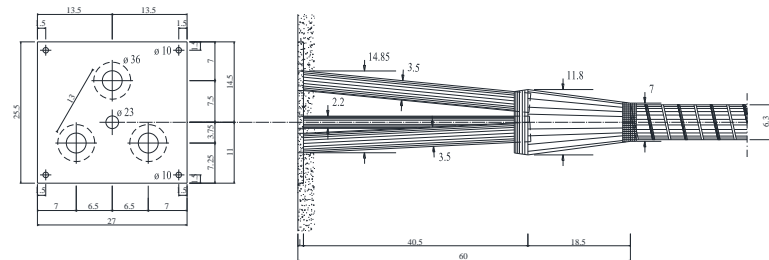




PARTICOLARE SEZIONE DI TESTATA
Scala 1:10



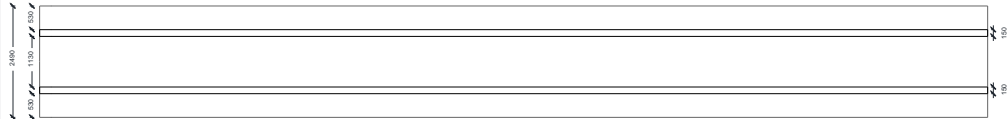
PARTICOLARE CAVO M5/12 - Scala 1:10



Dimensioni piastra 25.5 x 27 [cm]	Peso teorico 0.0881 kN/m	Portata di servizio 1175.78 kN
Lunghezza del terminale 60 cm	Diametro interno guaina 6.3 cm	Portata iniziale 1449.2 kN
Sezione Nominale 11.148 cm ²	Area del canale 32.1 cm ²	Resistenza minima 1959.4 kN

C:\Users\USER\Desktop\precompresso giacomo\TAB.JPG

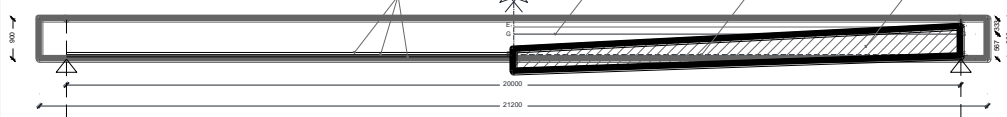
Vista dal basso (scala 1:50)



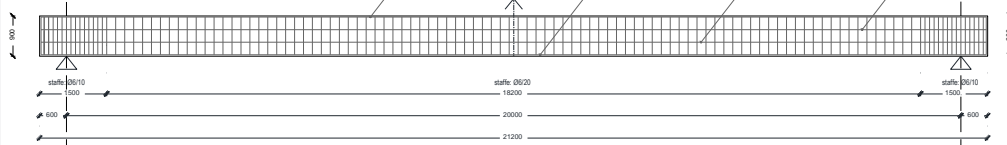
Vista laterale (scala 1:50)



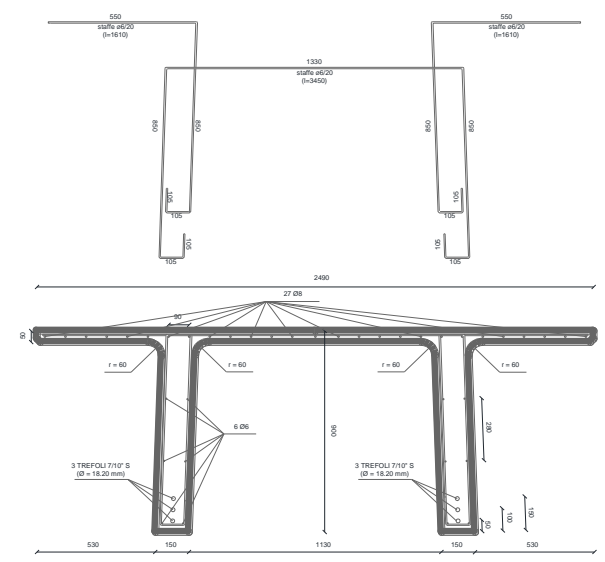
Fuso di Guyon e tracciato dei fili (scala 1:50)



Distinta armatura ordinaria (scala 1:50)



SEZIONI TRASVERSALE DEL TEGOLONE (scala 1:10)



Caratteristiche della trave:
 L=20 m H=0.90 m
 B (ala) = 2.49 m
 B (anima) = 0.15 m
 interasse = 2.50 m
 Peso Proprio = 9.90 kN/m
 Carico permanente = 0.3 kN/m²
 Carico accidentale = 1 kN/m²
 N = 1290 kN N* = 1695.6 kN β = 1.31 kN



Università degli Studi di Napoli "Federico II"
 Polo delle Scienze e delle Tecnologie



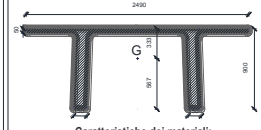
Facoltà di Ingegneria - Dipartimento di Ingegneria Strutturale
 CdLS in Ingegneria Edile-Architettura - A.A. 2011/2012

CORSO DI TECNICA DELLE COSTRUZIONI
 Prof. Ing. Antonello De Luca

TRAVE IN C.A.P. a fili aderenti

Caratteristiche dei materiali:
 calcestruzzo C32/40
 acciaio B450C
 trefoli 7/10° S

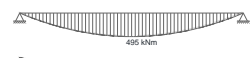
Assistente:
 Ing. G. Brandonio



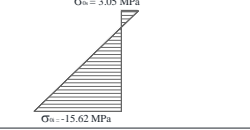
Caratteristiche dei materiali:

Calcestruzzo C32/40
 Rok = 40 MPa
 Acciaio ordinario B450C
 fyk = 450 MPa
 fyd = 391.3 MPa
 Af = 0.1 x area anima
 Acciaio armonico: trefoli 7/10° S
 fyk = 1770 MPa
 fyd = 1570 MPa
 ω = 200 mm² Ø = 18.20 mm
 Ea = 200000 MPa

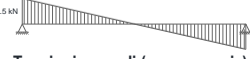
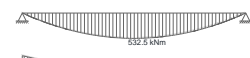
Tiro



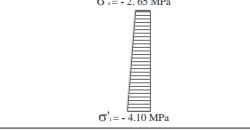
Tensioni normali (sez. mezzeria)



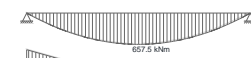
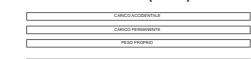
Esercizio (Q.P.)



Tensioni normali (sez. mezzeria)



Esercizio (Rara)



Tensioni normali (sez. mezzeria)

