COMUNE DI PRATO

AREA "W"

Opere Pubbliche e Ambiente

SISTEMA INFRASTRUTTURALE DELL'AREA METROPOLITANA

-Completamento 2° tangenziale di Prato e connessione ai comuni limitrofi

-Opere di riequilibrio ambientale

OGGETTO:

Ponte sul Rio Medancione

Particolari

PROGETTO ESECUTIVO

PROGETTISTI:

Ing. FRASCONI Lorenzo -Comune di Prato-

Arch. GIUNTOLI Nicola -Comune di Quarrata-

Ing. IANNIELLO Aldo -Provincia di Prato-

Ing. MAZZONI Paolo -Provincia di Pistoia-

Ing. MICILLO Maunzio -U.R.T.T. di Prato e Pistoia-

COLLABORATORI:

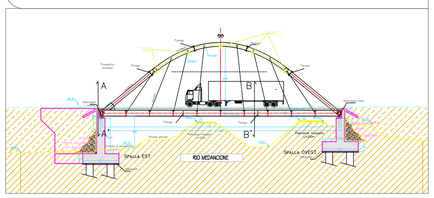
Ing. ADILARDI Alessandro
Ing. NISTRI Alberto
Geom. FALCINI Massimo

Ing. BARDAZZI Edoardo
Geom. CASTIGLIA Antonio
Geom. MELANI Chiara

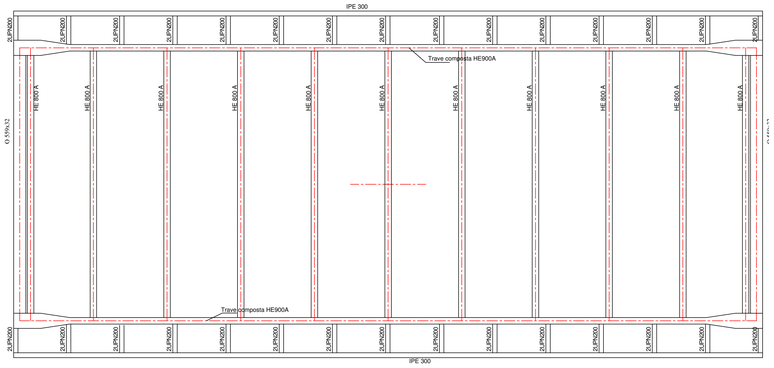
Geom. DONATI Simone
Geom. MONASTRA Elisa

TAVOLA: 03.02.03

DATA: Giugno 2008



PIANTA IMPALCATO scala 1:100



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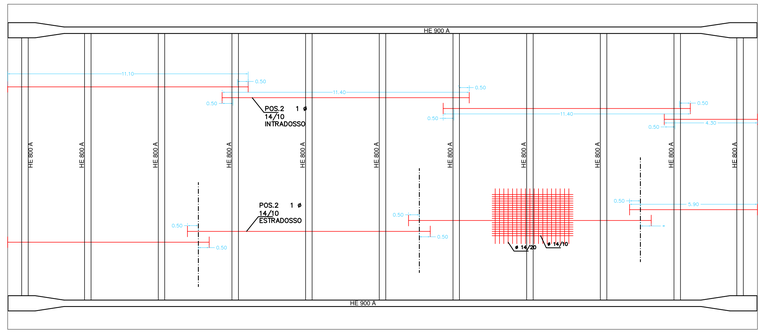
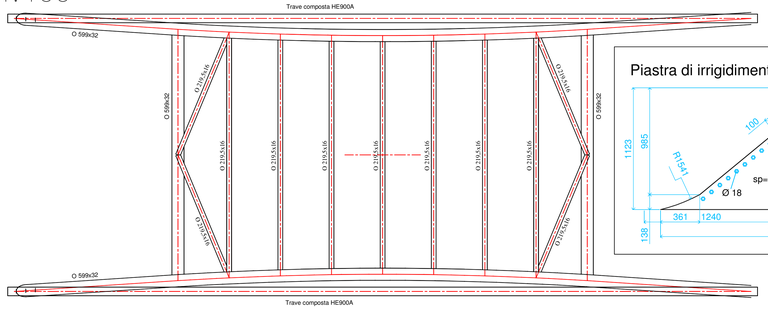
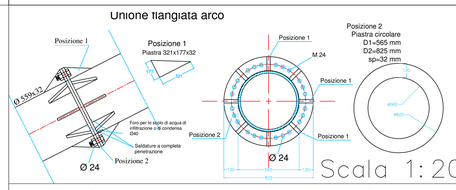


PIANTA CONTROVENTI ARCO scala 1:100



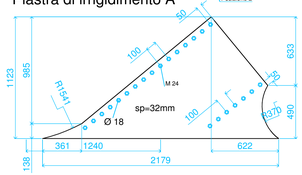
Unione flangiata arco



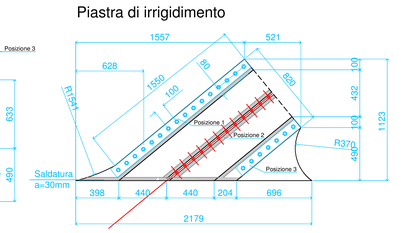
Scala 1:20

Ø 559x32 Scala 1:20

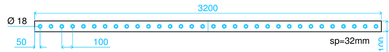
Piastra di irrigidimento A



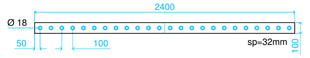
Piastra di irrigidimento



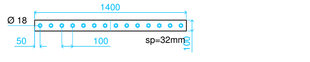
Posizione 1 Piastra 3200x100x32



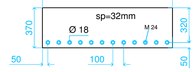
Posizione 2 Piastra 2400x100x32



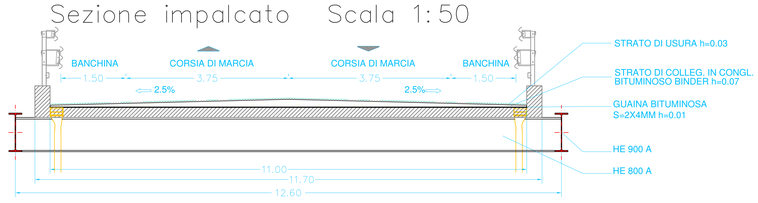
Posizione 3 Piastra 1400x100x32



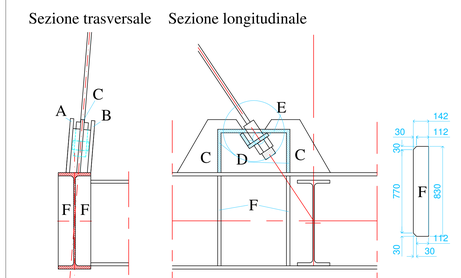
Piastra di irrigidimento B



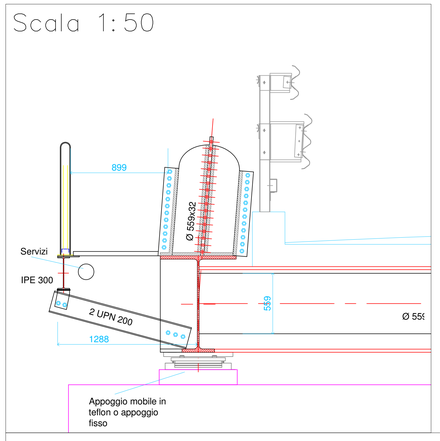
Sezione impalcato Scala 1:50



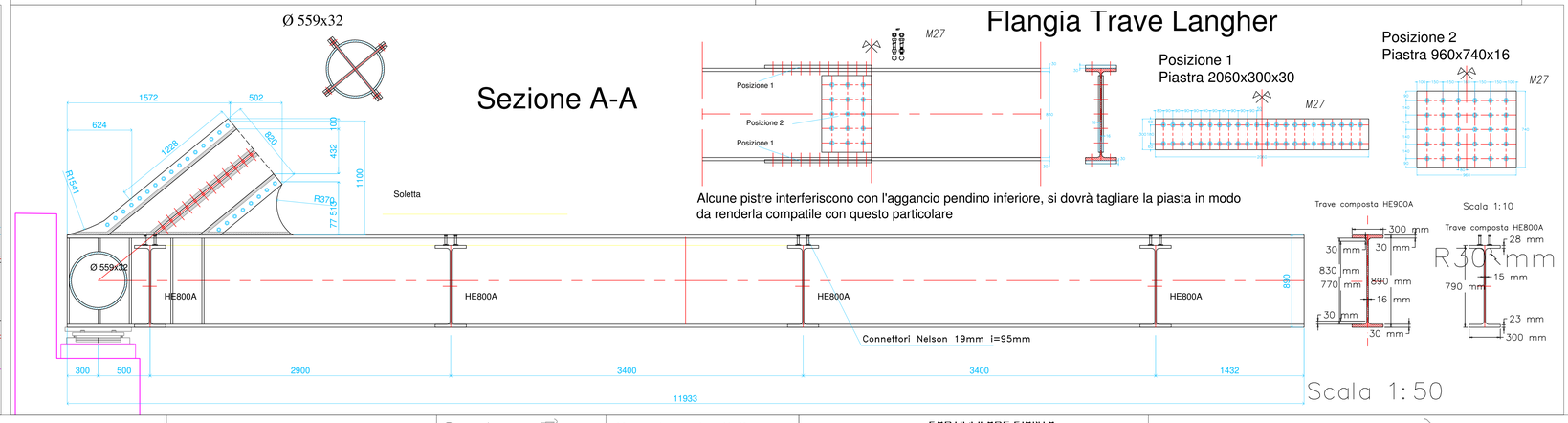
PARTICOLARE AGGANCIO PENDINO Scala 1:20



Scala 1:50



Flangia Trave Langher



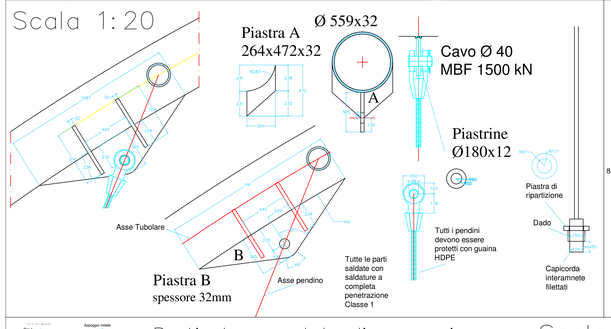
Posizione 1 Piastra 2060x300x30

Posizione 2 Piastra 960x740x16

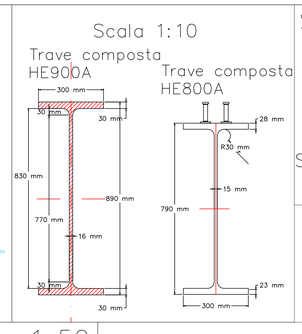
Alcune pistre interferiscono con l'aggancio pendino inferiore, si dovrà tagliare la piasta in modo da renderla compatile con questo particolare

Scala 1:50

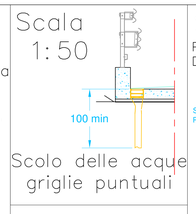
Scala 1:20



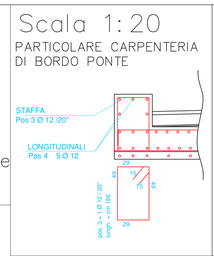
Scala 1:10



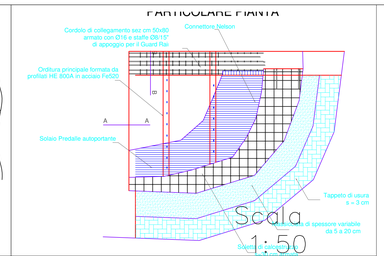
Scala 1:50



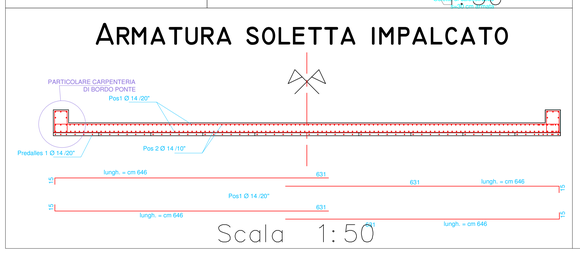
Scala 1:20 PARTICOLARE CARPENTERIA DI BORDO PONTE



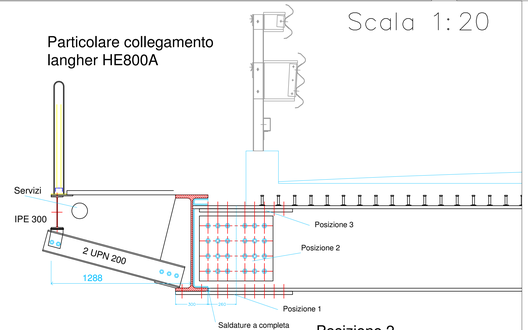
PARTICOLARE PIANTA



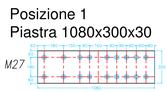
ARMATURA SOLETTA IMPALCATO



Particolare collegamento langher HE800A

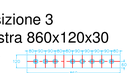


Posizione 1 Piastra 1080x300x30

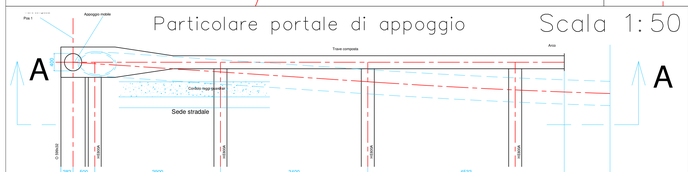


Posizione 2 Piastra 680x600x16

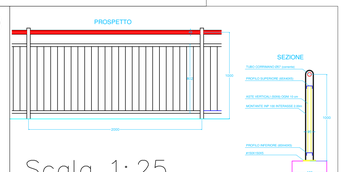
Posizione 3 Piastra 860x120x30



Particolare portale di appoggio Scala 1:50



Scala 1:25



CARATTERISTICHE DEI MATERIALI:

ACCIAIO DA CARPENTERIA:
Elementi saldati e coprigiunti travi: Acciaio tipo Fe 510 D
Piastrame e profili commerciali non saldati: Acciaio tipo Fe 510 C)

BULLONI A.R.:
Classe 10.9 UNI 3740 (EN 20898)
Dadi UNI 5713 Classe 8G UNI 3740
Rosette UNI 5714

CONNETTORI PER STRUTTURE MISTE:
Connettori a piolo di tipo "Nelson": fy >350 MPa / fu >450 MPa
Acciaio ST 37-3K DIN 17100

SALDATURE:
Modalità esecutive e controlli secondo CNR 10011/97, D.M. 09-01-96

CALCESTRUZZI CEMENTIZI:
Getti in opera di soletta: Rck> 40 MPa (additivato con agente antiritiro)
Lastre Predalles: Rck> 40 MPa
Getti in opera spalle (elevazione): Rck> 30 MPa
Getti in opera zoccolo di fondazione: Rck> 25 MPa
Getti in opera pali di fondazione: Rck> 25 MPa
Calcestruzzo per magrone: Rck> 15 MPa

ACCIAIO PER CALCESTRUZZI:
FeB44K controllato in stabilimento

COPRIFERRO:
Estradosso getto soletta: c=35mm
Intradosso getto soletta: c=30mm