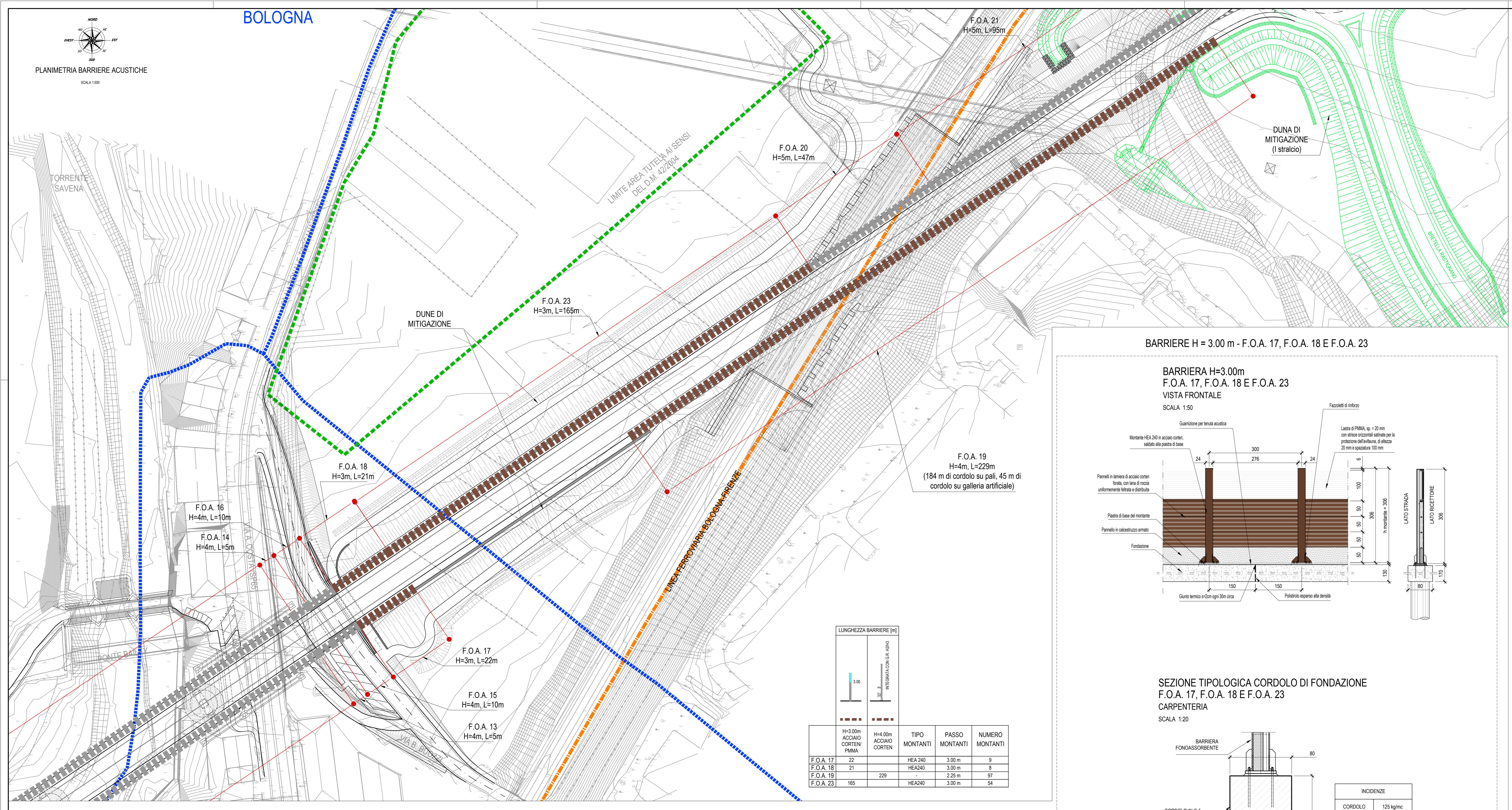


BOLOGNA

PLANIMETRIA BARRIERE ACUSTICHE



ARRIERA INTEGRATA H=4.00 m C.A. 10

F.O.A.19
VISTA FRONTALE
SCALA 1:50

The technical drawing illustrates the F.O.A.19 sound barrier system with the following components and dimensions:

- Pannelli in lamiera di acciaio corten forata, con lana di roccia uniformemente filtrata e distribuita** (Perforated Corten steel panels with uniformly filtered rock wool) - Total height: 409 mm, with top section 222 mm and bottom section 185 mm.
- Montante HEA in acciaio verniciato con colore a scelta della D.L.** (HEA steel upright with color of D.L.'s choice) - Total height: 405 mm, with base plate thickness: 80 mm.
- LATO RICETTORE** (Receiver Side):
 - Panel height: 409 mm.
 - Panel thickness: 39 mm.
 - Panel width: 225 mm.
 - Panel depth: 90 mm.
 - Panel weight: 450 kg.
 - Panel height from foundation: 60 mm.
 - Panel thickness: 40 mm.
 - Panel width: 225 mm.
 - Panel depth: 40 mm.
- LATO STRADA** (Road Side):
 - Panel height: 409 mm.
 - Panel thickness: 39 mm.
 - Panel width: 225 mm.
 - Panel depth: 90 mm.
 - Panel weight: 450 kg.
 - Panel height from foundation: 60 mm.
 - Panel thickness: 40 mm.
 - Panel width: 225 mm.
 - Panel depth: 40 mm.
- Montante profilato metallico** (Metallic angle bracket)
- Filo esterno tripla onda Filo tubo corrimano** (External triple wave wire, handrail wire)
- 225 (N°1 PANNELLO L=2.00)** (Panel length: 2.00 m)
- 225** (Panel width: 2.25 m)
- 80** (Base plate thickness: 80 mm)
- 80** (Foundation thickness: 80 mm)
- Piastrelle di base 430x400x30** (Base tiles 430x400x30)

BARRIERA INTEGRATA H=4.00 m
E.O.A. 10

SEZIONE TIPICA SU CORDO
PARRIERA INTEGRATA II

BARRIERA INTEGRATA H = 4.00 m

F.O.A. 19
SCALA 1:50

CIGLIO CARREGGIATA
MIN. 5

BARRIERA INTEGRATA H=4.00m

PALI AD ELICA Ø600
INTERASSE LONG. = 3.00m
L=6.00m

80
60
100

BARRIERA INTEGRATA H = 4.00 m

F.O.A. 19
SCALA 1:50

CIGLIO CARREGGIATA
2.5%
MIN. 5

BARRIERA INTEGRATA H=4.00m

80
100

SEZIONE TIPOLOGICA CORDOLO DI FONDAZIONE

F.O.A. 19
CARPENTERIA

SCALA 1:20

BARRIERA FONOASSORBENTE INTEGRATA

CORDOLO IN C.A.
80 x 60 cm

MAGRONE SP. 10 cm

INCIDENZE

INCIDENZE	
CORDOLO	125 kg/mc
PALO	180 kg/mc

80
60
100

PALI AD ELICA Ø600
INTERASSE LONG. = 3.00m

SEZIONE TIPOLOGICA CORDOLO DI FONDAZIONE A 10

The diagram illustrates a cross-section of a sound barrier system. At the top, a vertical column labeled 'BARRIERA FONOASSORBENTE INTEGRATA' is shown. Below it, a concrete base labeled 'CORDOLO IN C.A. 80 x 60 cm' is supported by four vertical poles labeled 'PALI AD ELICA Ø600'. The base has a thickness of 100 cm. A central vertical section shows a hatched area representing a sound-absorbing panel. Dimensions indicated are 80 cm for the base height, 60 cm for the base thickness, and 100 cm for the pole diameter.

INCIDENZE	
CORDOLO	125
PALO	180

SEZIONE TIPOLOGICA CORDOLO DI FONDAZIONE F.O.A. 17, F.O.A. 18 E F.O.A. 23

The diagram illustrates a声屏障 (sound barrier) structure. It consists of a vertical wall made of concrete blocks (CORDOLO IN C.A. 80 x 130 cm) with a height of 170 cm. A top cap (MAGRONE SP. 10 cm) is 100 cm high. The total height of the structure is 270 cm. The top cap is supported by four vertical columns. A sound-absorbing panel (BARRIERA FONOASSORBENTE) is mounted on the top cap. The entire structure sits on a base of four piles (PALI AD ELICA Ø600). A table on the right provides material properties:

INCIDENZE	
CORDOLO	125 kg/m ³
PALO	180 kg/m ³

SEZIONE TIPICA SU DUNA DI MITIGAZIONE BARRIERE ACUSTICHE H = 3.00 m

The diagram shows a cross-section of a noise barrier wall system. On the left, a 'CORDOLO F.O.A.' is depicted with dimensions $h=1.70m$ and $B=0.80m$. A vertical 'BARRIERA ACUSTICA H=3.00m' is positioned above it. To the right, a 'BARRIERA BORDO RILEVATO' is shown with height segments of 200, 150, 170, and 210. A 'CIGLIO CARREGGIA' is at the top right. Below the barrier, 'PALI AD ELICA Ø600' are indicated with an 'INTERASSE LONG. = 3.00m' and a total length 'L=6.00m'. The entire structure is set against a background of stippled ground levels. A scale bar at the top left indicates 'SCALA 1:50'.

DI BULOGNA
SERVIZI TERRITORIALI METROPOLITANI

**AREA SERVIZI TERRITORIALI METROPOLITANO
Servizio Progettazione Costruzioni e Manutenzione Strade**

INTERVENTO FINANZIATO NELL'AMBITO DEL PATTO PER BOLOGNA

VARIANTE ALLA S.P. 65 "DELLA FUTA"

**ODO DI RASTIGNANO - 2° LOTTO DI COMPLETAMENTO
LOTTO COMPRESO TRA SVINCOLO DI RASTIGNANO E PONTE DELLE OCHE**

PROGETTO DEFINITIVO

ADDENDUM 8

ARRIERE ACUSTICHE

PLANIMETRIA E DETTAGLI
FOA 17 = FOA 18 = FOA 19 = FOA 23

<p>VISTO DEL PROPRIETARIO DELLE OPERE</p>  <p>CITTÀ METROPOLITANA DI BOLOGNA</p> <p>IL RESPONSABILE UNICO DEL PROCEDIMENTO</p>	
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