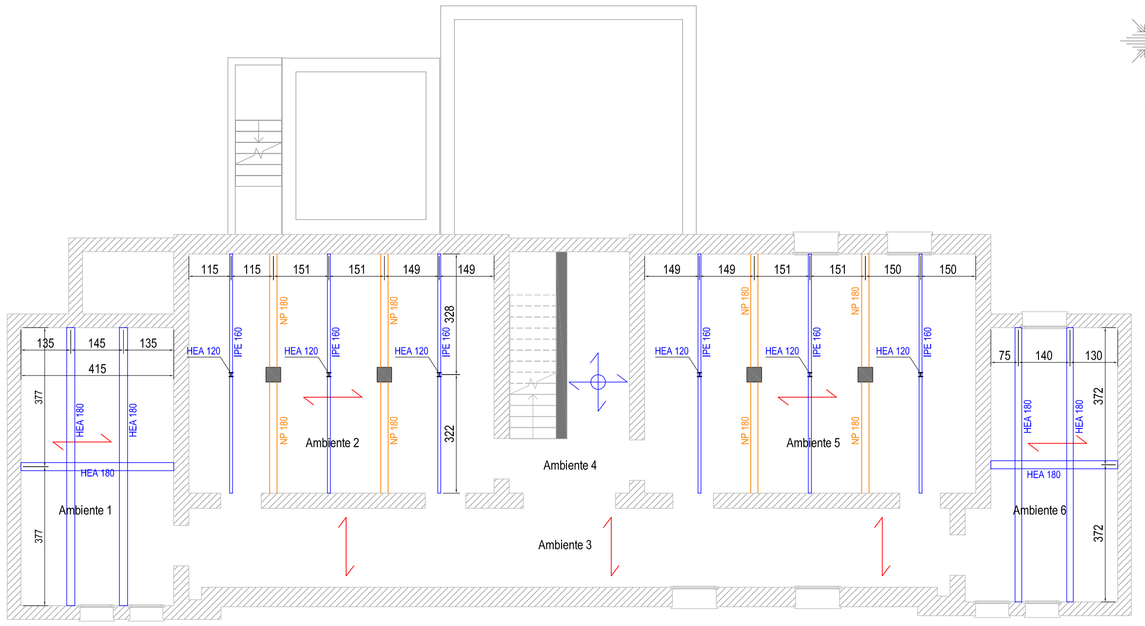
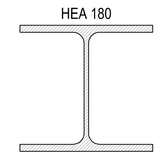
RINFORZO SOLAI
- PIANO INTERRATO -
scala 1:100



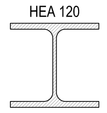
LEGENDA:
- Orditura solai esistenti
- Edificio esistente
- Profili metallici esistenti
- Nuovi profili metallici per rinforzo solai

NOTA: L'anima delle travi metalliche dovrà essere opportunamente forata onde consentire il passaggio dei tiranti.

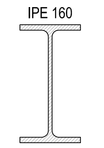
PROFILI IN ACCIAIO
Scala 1:5



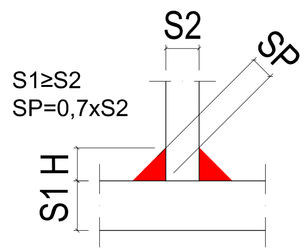
g (Kg/m) = 38
h (mm) = 171
b (mm) = 180
tw (mm) = 6
tf (mm) = 9,5
A (cm2) = 45,25
Iy (cm4) = 2510
Wy (cm3) = 293,6
Wpl.y (cm3) = 324,9



g (Kg/m) = 19,9
h (mm) = 114
b (mm) = 120
tw (mm) = 5
tf (mm) = 8
A (cm2) = 25,34
Iy (cm4) = 606,2
Wy (cm3) = 106,3
Wpl.y (cm3) = 119,5



g (Kg/m) = 15,8
h (mm) = 160
b (mm) = 82
tw (mm) = 5
tf (mm) = 7,4
A (cm2) = 20,09
Iy (cm4) = 869,3
Wy (cm3) = 108,7
Wpl.y (cm3) = 123,9



NOTE
- Tutte le saldature devono essere eseguite con elettrodi basici e/o procedimento semiautomatico a filo pieno in atmosfera controllata di CO2 approvato dall'Istituto Italiano della Saldatura, salvo dove diversamente indicato.
- Acciaio tipo S275.
- Classe di esecuzione delle saldature: EXC3.
- Per le saldature eseguite in opera, rispettare i dettami della UNI EN ISO 3834:2006

Acciaio S275 JR
Trattamento antiruggine

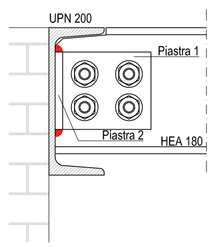
Bulloneria classe 8.8
UNI EN 15048-1

D.M. 17 gennaio 2018

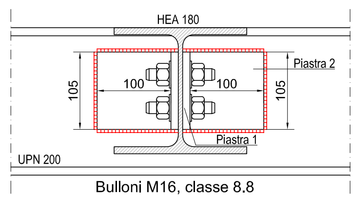
NOTA:
Misure ed interassi reali da verificare in cantiere.

Particolare giunzione collegamento HEA 180 con UPN200
Scala 1:5

Vista laterale

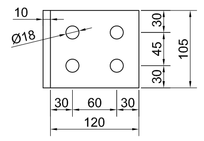


Vista frontale

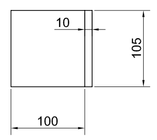


Bulloni M16, classe 8.8

Piastra 1 su HEA 180



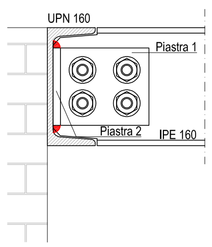
Piastra 2 su UPN 200



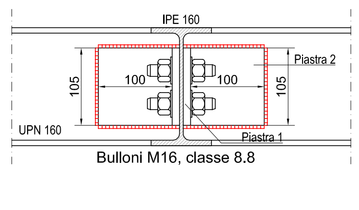
Barre filettate M16, in classe 8.8, con dadi e rondelle

Particolare giunzione collegamento IPE 160 con UPN160
Scala 1:5

Vista laterale

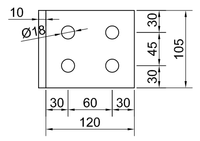


Vista frontale

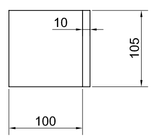


Bulloni M16, classe 8.8

Piastra 1 su IPE 160



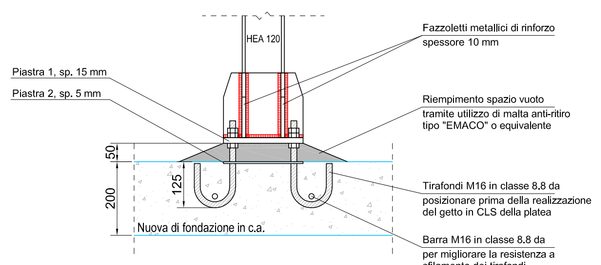
Piastra 2 su UPN 160



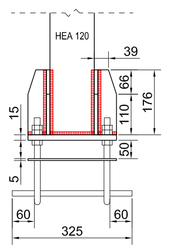
Barre filettate M16, in classe 8.8, con dadi e rondelle

Collegamento montanti HEA 120 - platea in c.a.
Scala 1:10

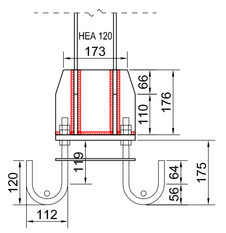
Particolare nodo pilastro-fondazione



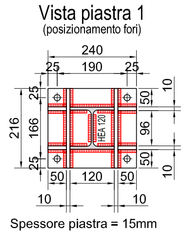
Vista frontale



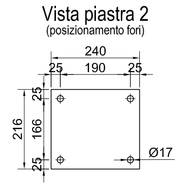
Vista laterale



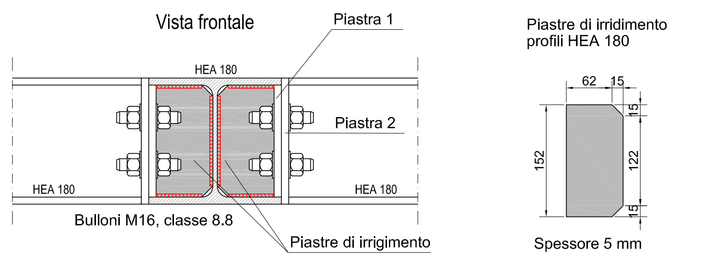
Vista piastra 1
(posizionamento fori)



Vista piastra 2
(posizionamento fori)

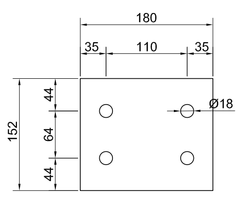


Particolare giunzione rompi-tratta HEA 180 con HEA180
Scala 1:5

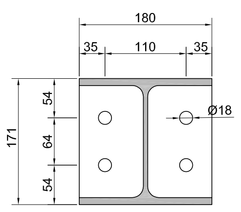


Piastre di irridimento profili HEA 180

Piastra 1 su HEA 180



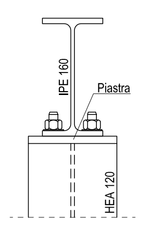
Piastra 2 HEA 180



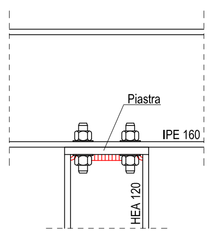
Barre filettate M16, in classe 8.8, con dadi e rondelle

Particolare giunzione collegamento HEA 120 con IPE 160
Scala 1:5

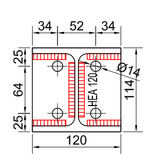
Vista frontale



Vista laterale



Vista piastra
(posizionamento fori)



Barre filettate M12, in classe 8.8, con dadi e rondelle

Dott. in Ing. Arch. Bernardo Vanelli
STUDIO DI INGEGNERIA E ARCHITETTURA
VIA GARIBALDI 13 - 26012 CASTELLEONE (CR)
Tel. 0374/58482

Dasa-Rägister
EN ISO 9001:2015
RQ-1212-03
RQ-1212-04

IDENTIFICAZIONE PROGETTO
Intervento di miglioramento antisismico ed efficientamento energetico Scuola Primaria di Torrazza Coste.
L.160 27 dicembre 2019
Progetto definitivo-esecutivo

COMMITTENTE
Amm. comunale di Torrazza Coste
Piazza Vittorio Emanuele II
Torrazza Coste (PV)

TIPOLOGIA / TITOLO DELL'ELABORATO
STRUTTURE
- Stato futuro: nuove opere metalliche di rinforzo solaio tra piano interrato e piano terra

UBICAZIONE OPERE
Via Roma, 45
Torrazza Coste (PV)

TAVOLA N°
ST4

REV. / DATA
0.0 - Giugno '22

SCALA
1:100/10

PROGETTISTA GENERALE
Dott. Ing. Arch. Bernardo Vanelli

RESPONSABILE DEL PROCEDIMENTO
RUP. Arch. Simona Escoli

PROGETTISTA DELLE OPERE ARCHITETTONICHE
Arch. Letizia Vanelli

REVISIONI EMESSE	DATA
0.0	Giugno '22

COMMESSA N. 31/21