



Finanziato dall'Unione europea

NextGenerationEU



Provincia di Latina



Comune di Aprilia

Provincia di Latina - Settore Edilizia Scolastica e Pianificazione Territoriale

**Razionalizzazione del patrimonio edilizio provinciale
con ampliamento del Liceo Antonio Meucci di Aprilia
(Codice edificio ANAGRAFE EDILIZIA SCOLASTICA:
0590010372) - Finanziato dall'Unione Europea - Next
Generation EU**

CUP: J14E18000770006



PROGETTO ESECUTIVO

**ELABORATO
2.2.6RS**

Grafici sintetici

Progettazione

Raggruppamento Temporaneo di Professionisti

Ing. Ivan Iacobini
e-mail: iacobini.ivan@gmail.com

Ing. Michele Ventimiglia
e-mail: iacobini.ivan@gmail.com

29/09/2022

Committente

RUP:

Geom. Rossella Garrisi

Responsabile del Settore:

Ing. Massimo Monacelli

e-mail: ufficio_protocollo@pec.provincia.latina.it

Comune di Aprilia
Provincia di Latina

ELABORATI GRAFICI SINTETICI

OGGETTO: "Razionalizzazione del patrimonio edilizio provinciale con ampliamento del Liceo Antonio Meucci di Aprilia" (CUP: J14E18000770006)

COMMITTENTE: Provincia di Latina

Cassano All'Ionio, 29/09/2022

Il Progettista

(RTP INGG. I. IACOBINI, M. VENTIMIGLIA)

Il Direttore dei Lavori

Il Collaudatore

(Da definire)

(Da definire)

RTP Ingg. I.Iacobini, M. Ventimiglia
Via Vittorio Emanuele 43 - Cassano All'Ionio
098171825 - iacobini.ivan@gmail.com

PREMESSA

Il presente documento riporta gli **elaborati grafici sintetici** in conformità a quanto previsto nel § 10.2 delle NTC.

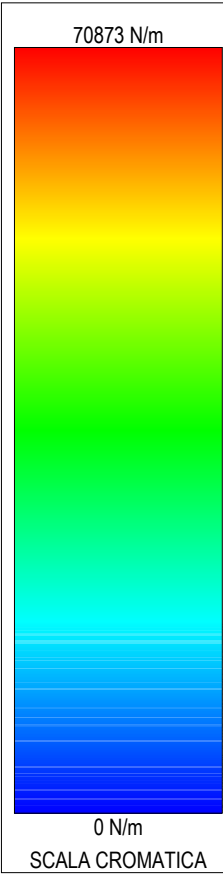
Tali elaborati hanno lo scopo di riassumere il comportamento della struttura relativamente al tipo di analisi svolta e possono riportare informazioni sintetiche e schemi relativi a carichi, sollecitazioni e sforzi, spostamenti, tensioni sul terreno, etc.

Al fine delle verifiche della misura della sicurezza, si riportano delle rappresentazioni che ne sintetizzano i valori numerici dei coefficienti di sicurezza nelle sezioni significative della struttura stessa.

Per ogni singolo elaborato grafico, contenente un telaio, una parte della struttura o la struttura nel suo insieme, si riportano indicazioni sulle convenzioni adottate e sulle unità di misura, nonché disegni, schemi grafici e mappature cromatiche che schematizzano il comportamento complessivo della struttura.

Grazie alle mappature a colori, per ciascun tipo di risultato, si fornisce un quadro chiaro e sintetico: è possibile rilevare agevolmente il valore delle diverse grandezze in base al colore assunto dagli elementi della struttura. Ogni colore rappresenta un determinato valore, dal blu (corrispondente generalmente al valore minimo) al rosso (generalmente valore massimo), passando attraverso le varie sfumature di colore corrispondenti ai valori intermedi.

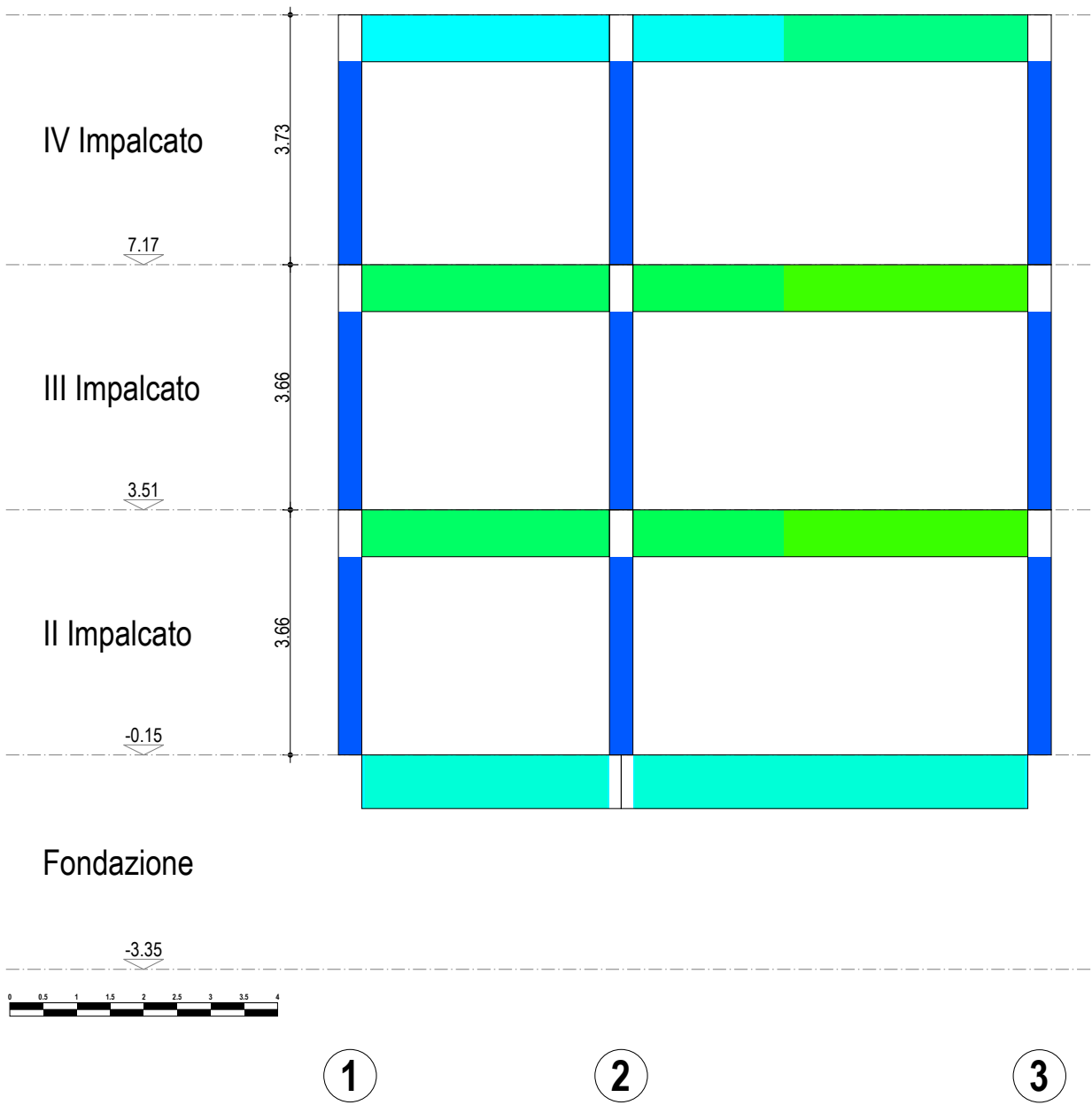
Prima di ogni tipologia di risultato è riportata la scala cromatica con l'indicazione numerica del valore minimo e massimo.



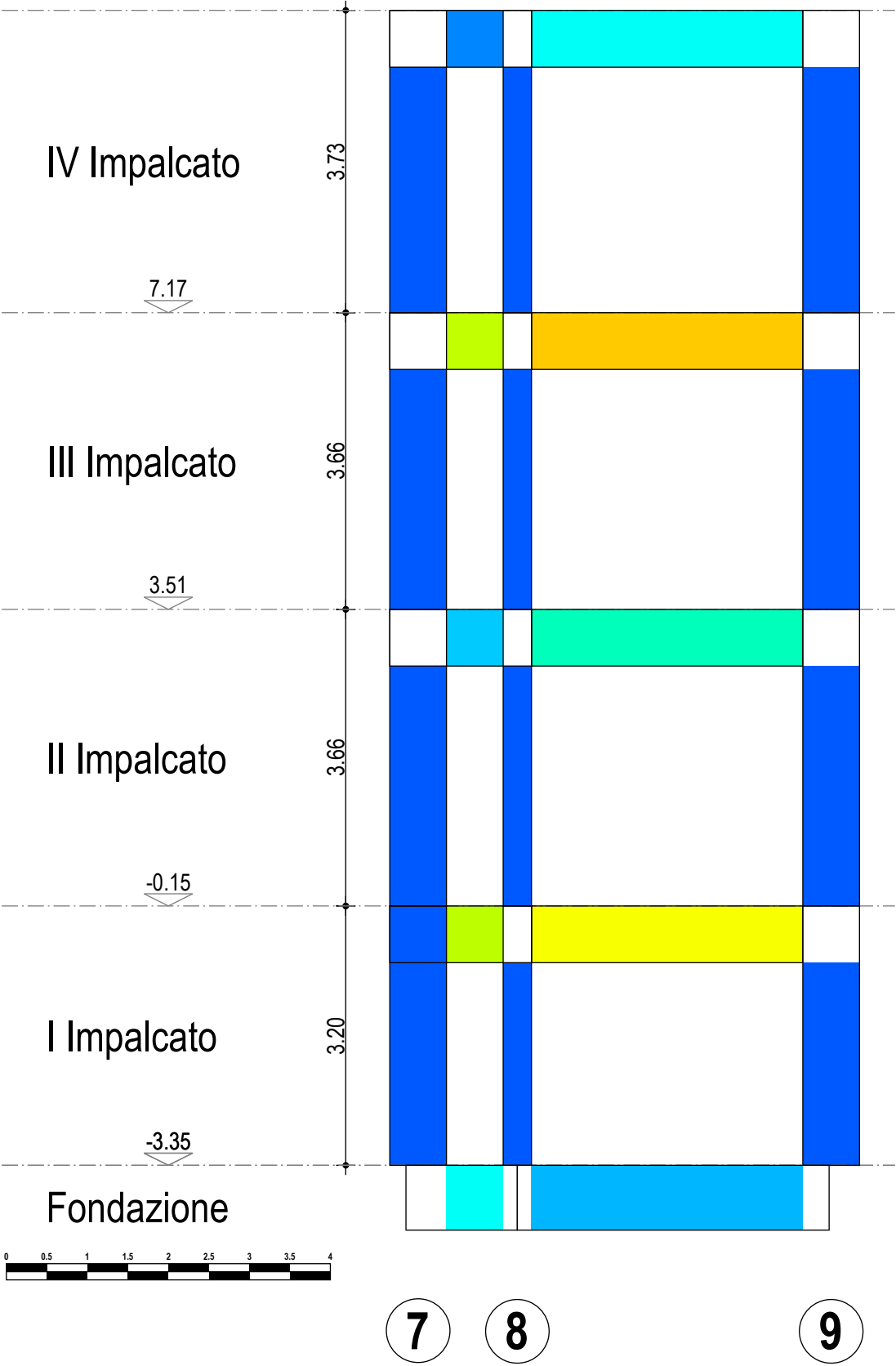
CARICHI DISTRIBUITI SULLA STRUTTURA

Rappresentazione cromatica dei carichi caratteristici distribuiti
complessivi agenti sugli elementi strutturali (in N/m).
La scala cromatica riporta il range di valori
da minimo 0 N/m (COLORE BLU) a massimo 70873 N/m (COLORE ROSSO).

Telaio 1-2-3
CARICHI DISTRIBUITI SULLA STRUTTURA

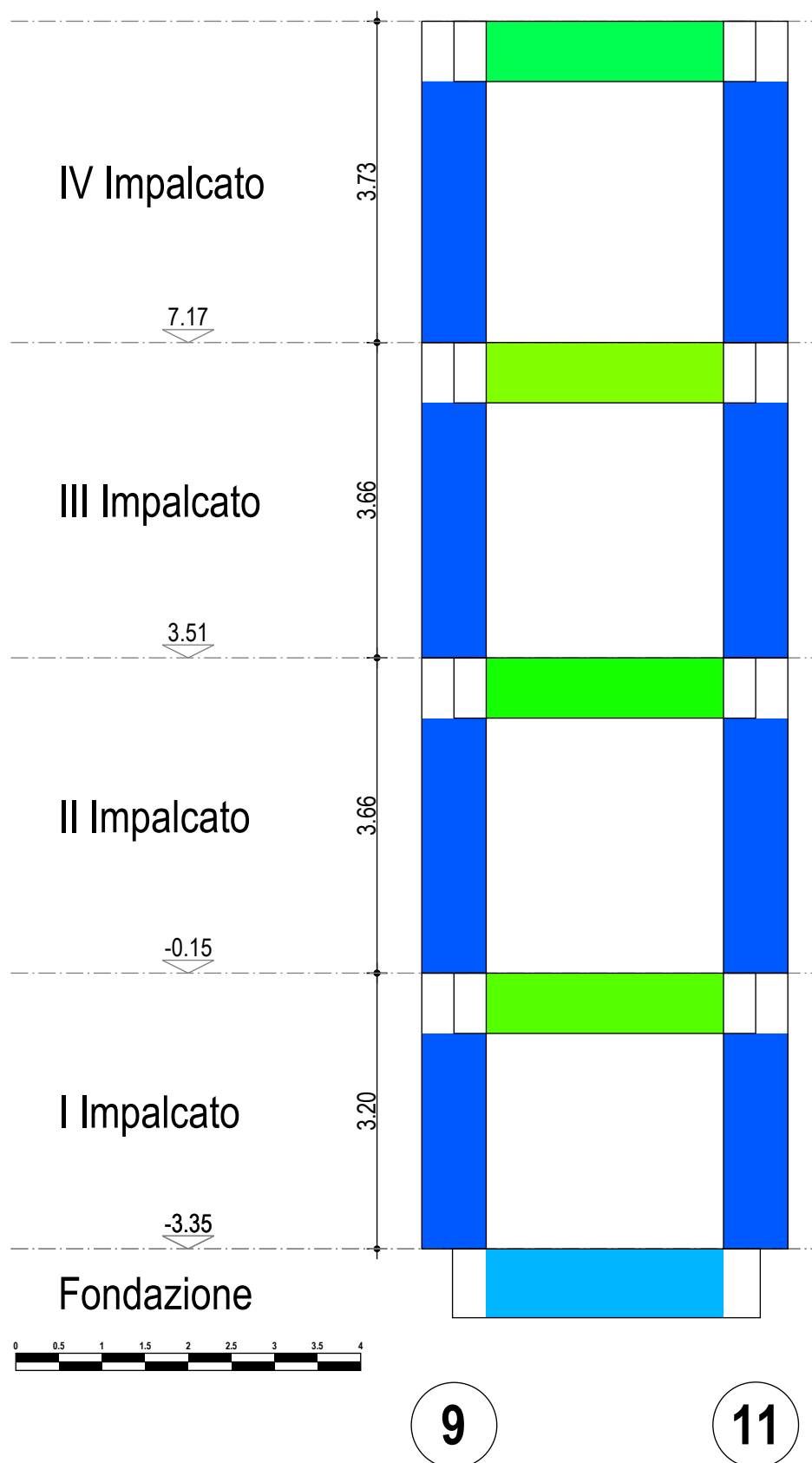


Telaio 7-8-9
CARICHI DISTRIBUITI SULLA STRUTTURA



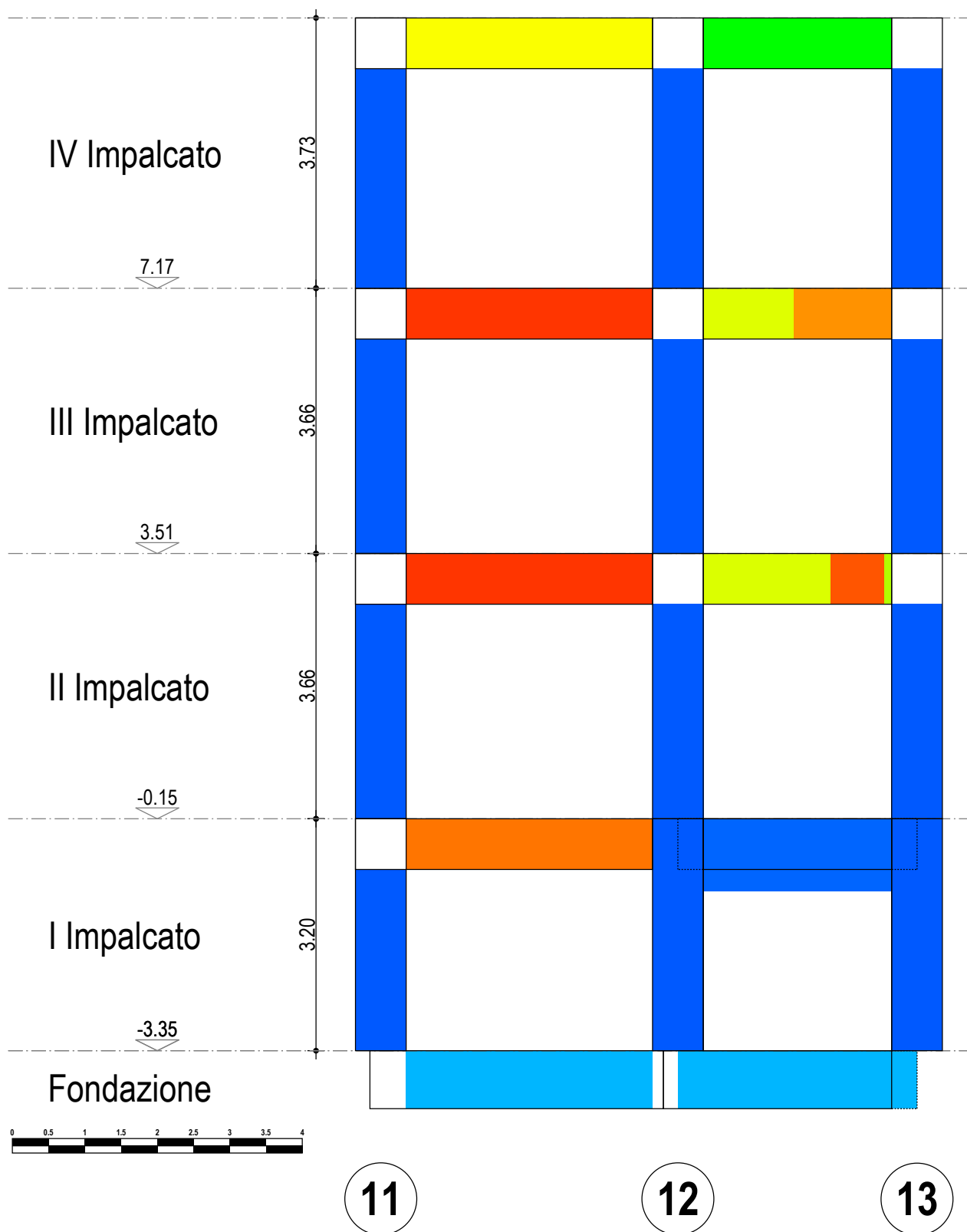
Telaio 9-11

CARICHI DISTRIBUITI SULLA STRUTTURA



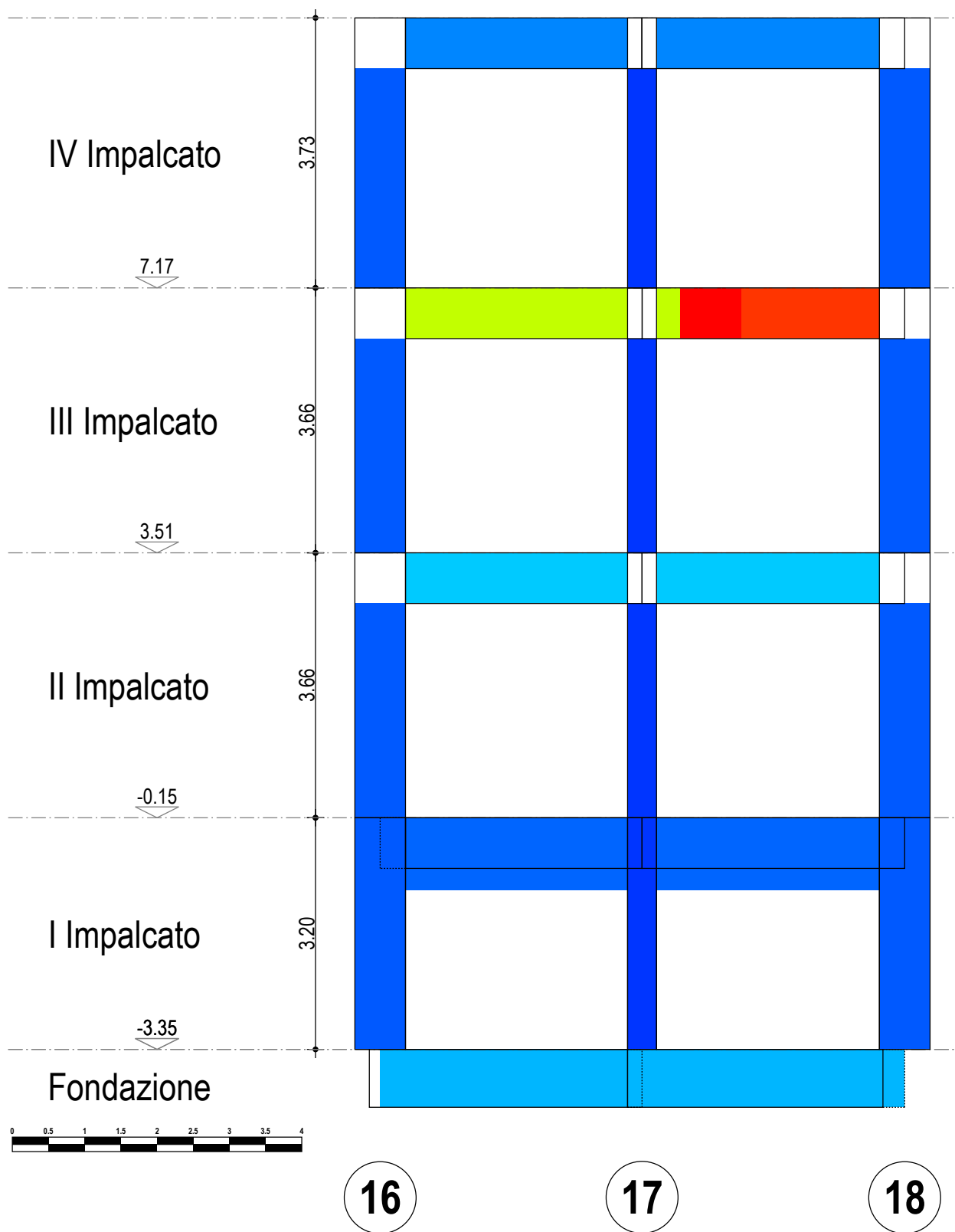
Telaio 11-12-13

CARICHI DISTRIBUITI SULLA STRUTTURA



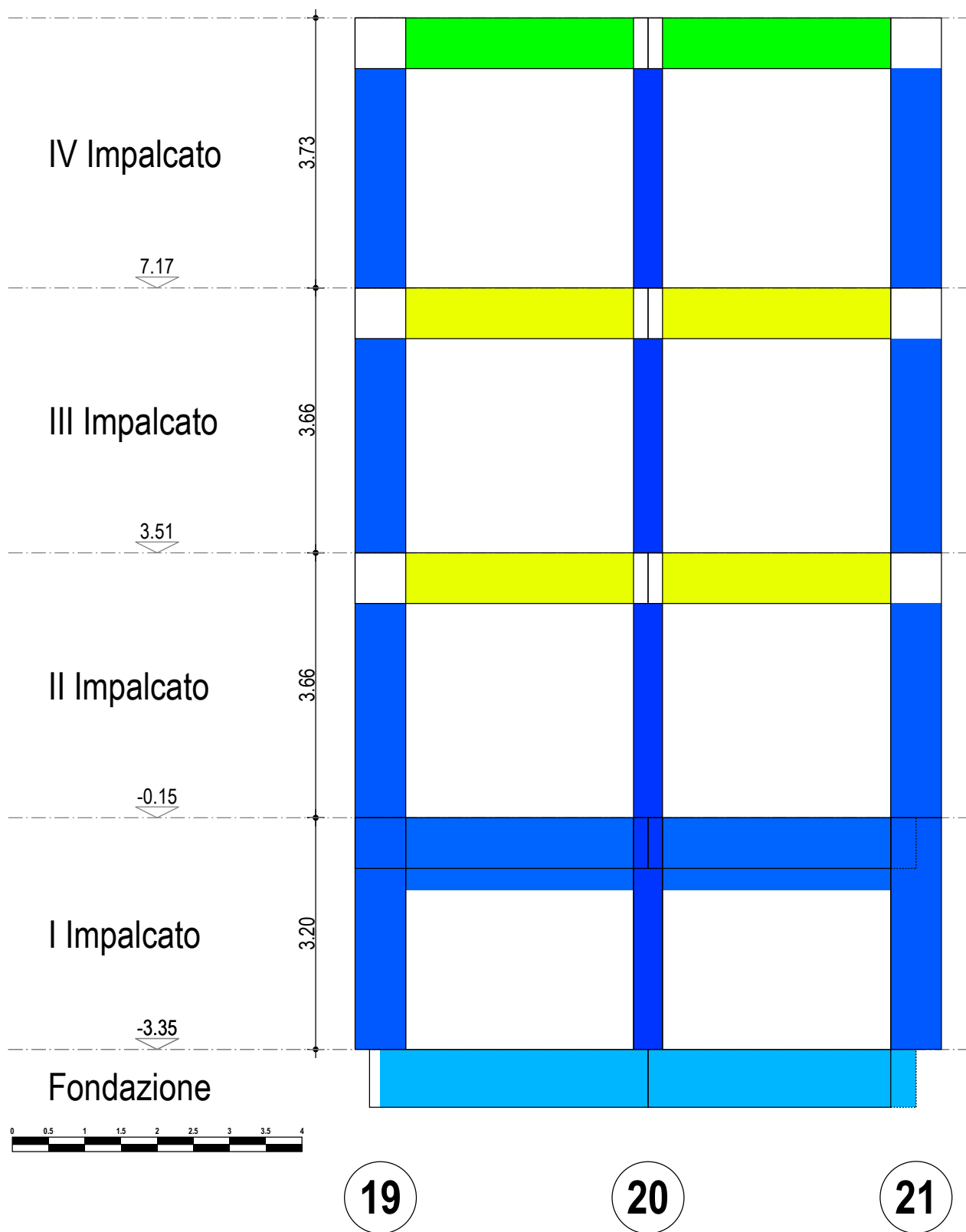
Telaio 16-17-18

CARICHI DISTRIBUITI SULLA STRUTTURA



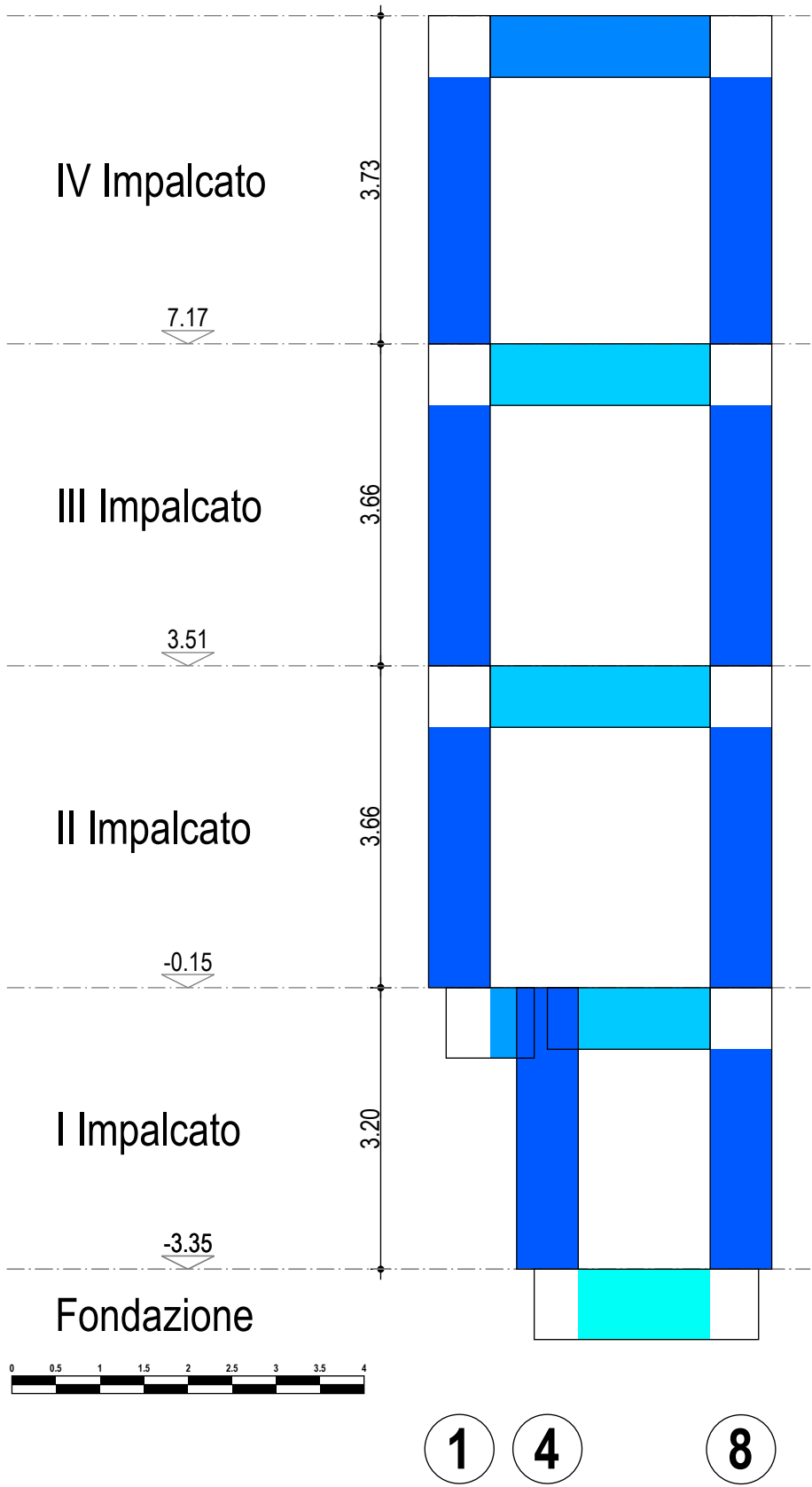
Telaio 19-20-21

CARICHI DISTRIBUITI SULLA STRUTTURA



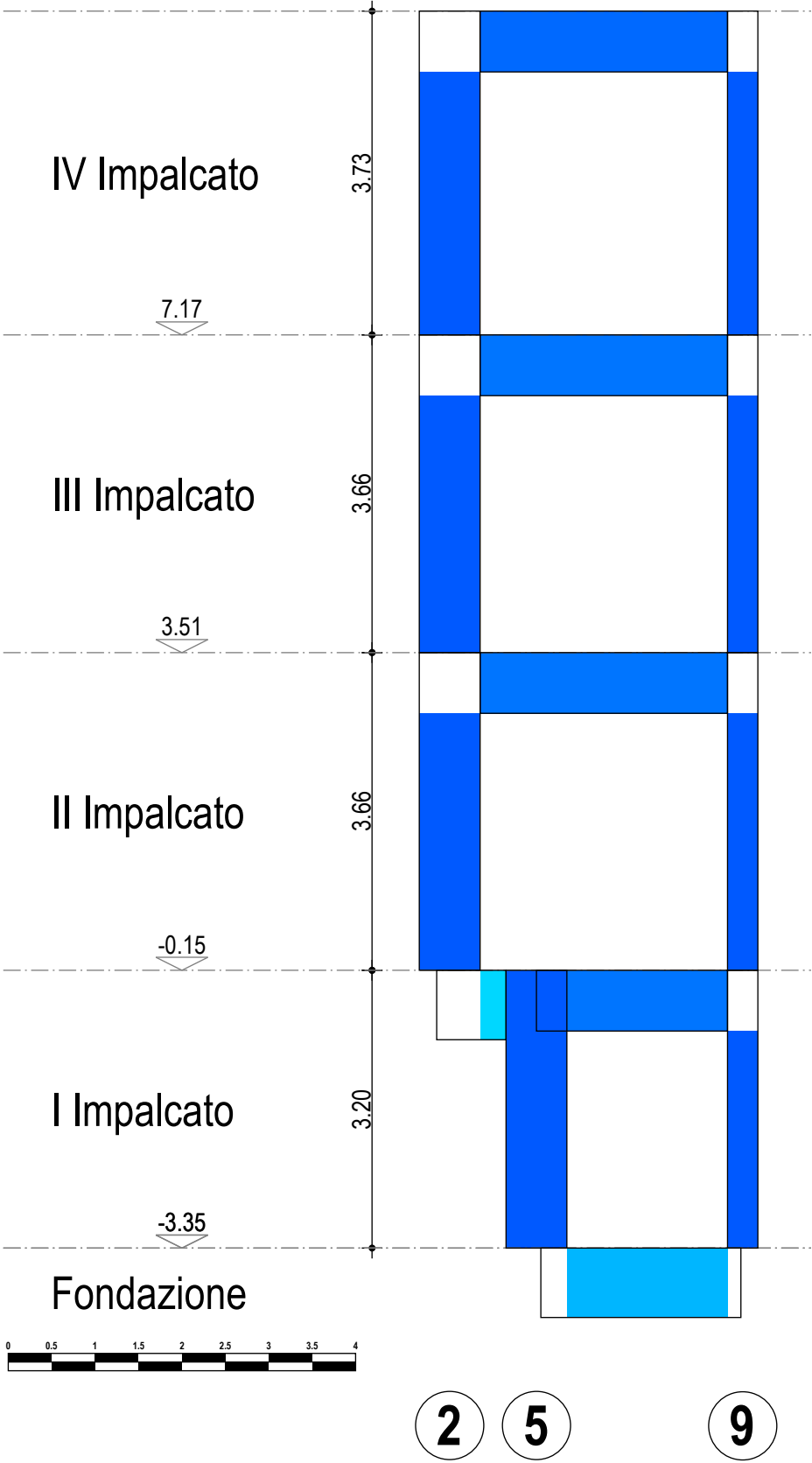
Telaio 1-4-8

CARICHI DISTRIBUITI SULLA STRUTTURA



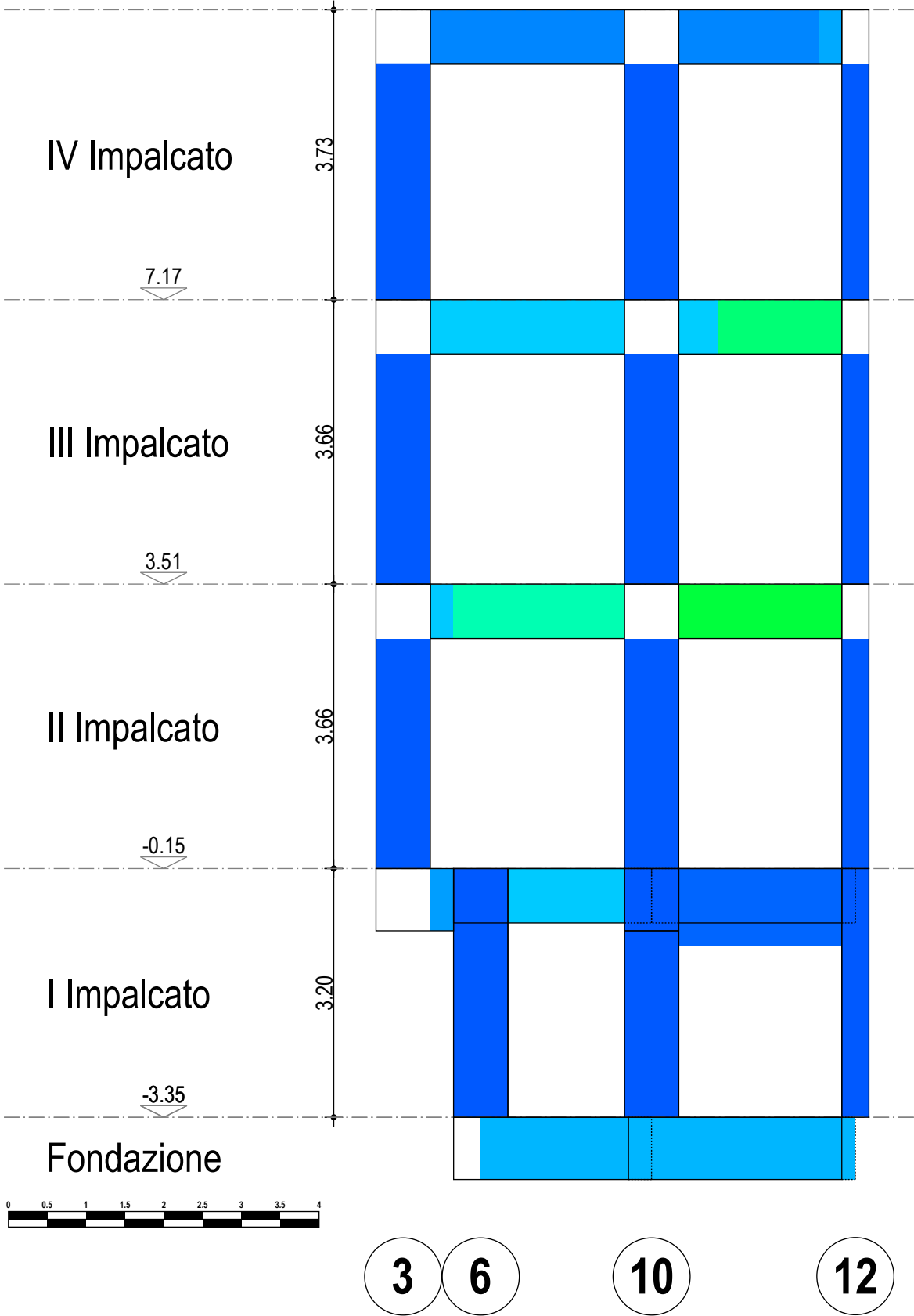
Telaio 2-5-9

CARICHI DISTRIBUITI SULLA STRUTTURA



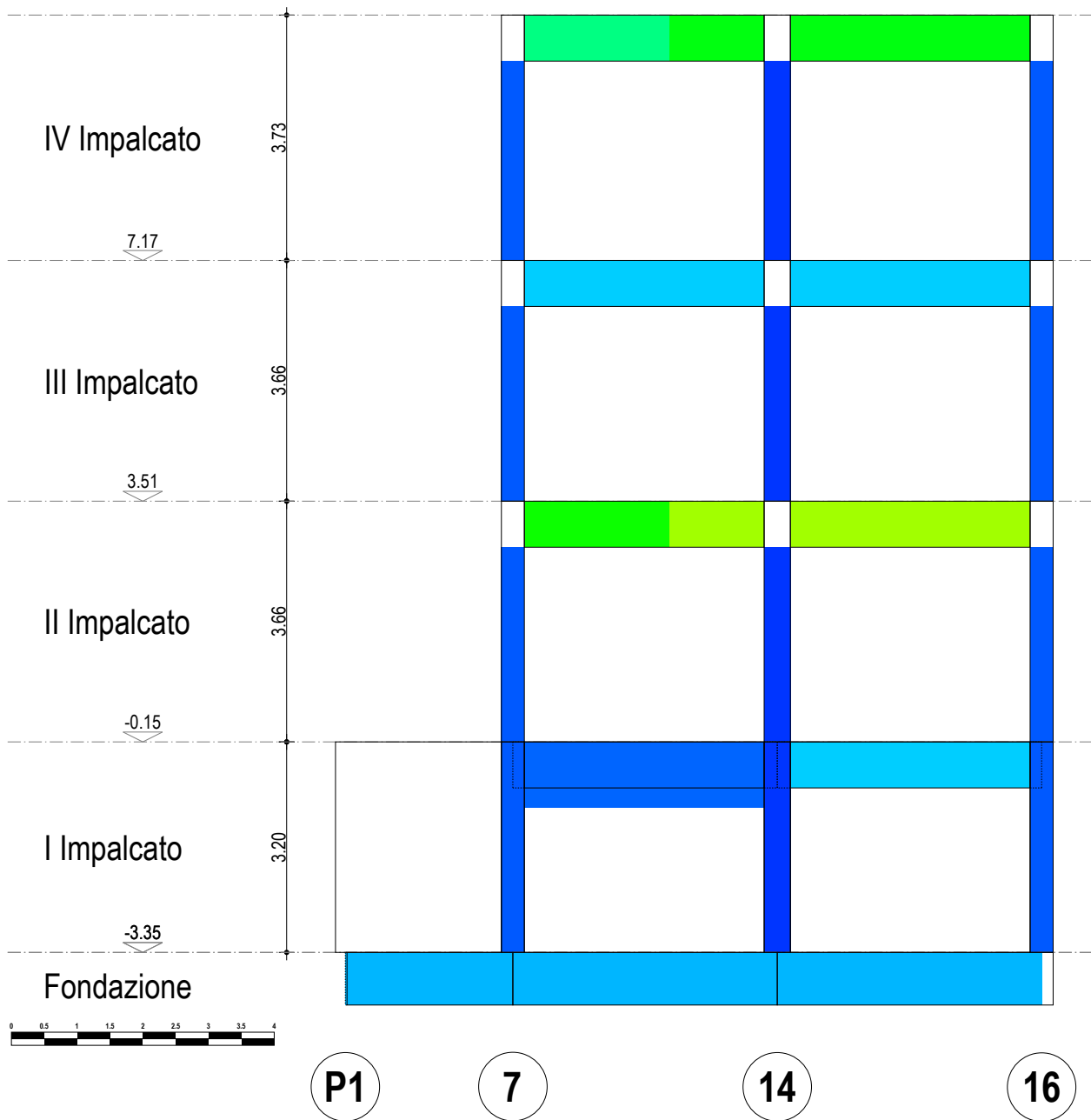
Telaio 3-6-10-12

CARICHI DISTRIBUITI SULLA STRUTTURA



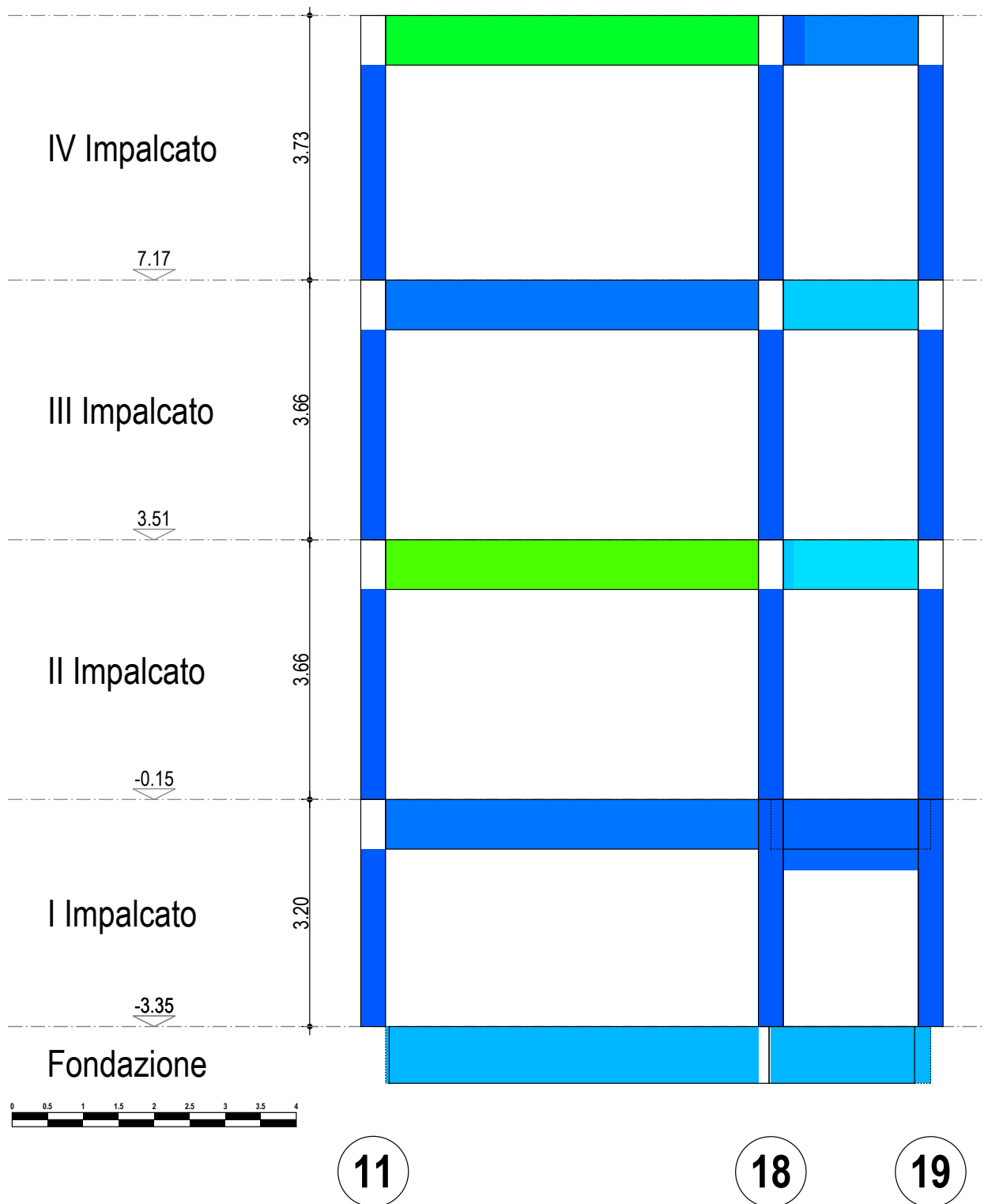
Telaio P1-7-14-16

CARICHI DISTRIBUITI SULLA STRUTTURA



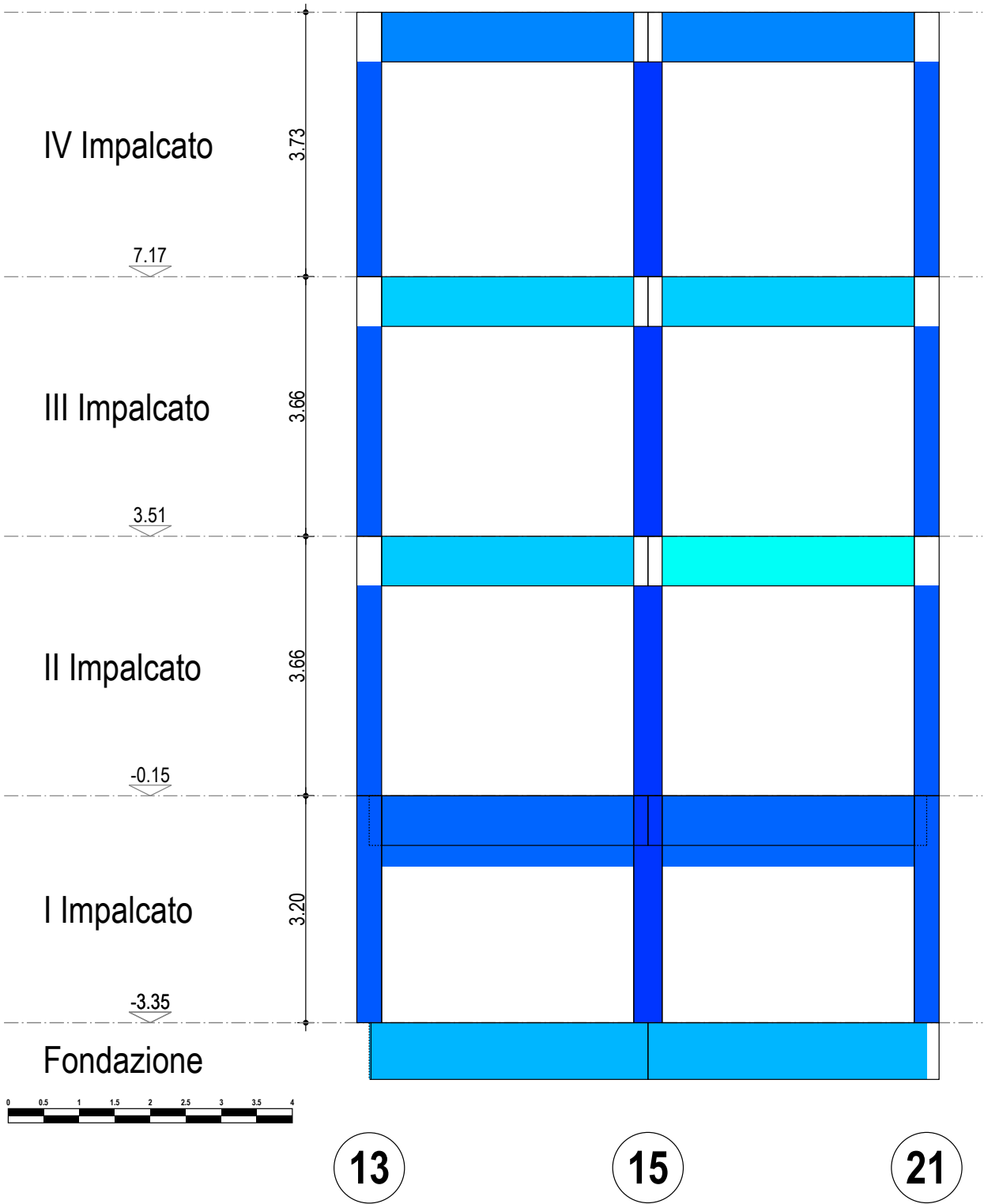
Telaio 11-18-19

CARICHI DISTRIBUITI SULLA STRUTTURA



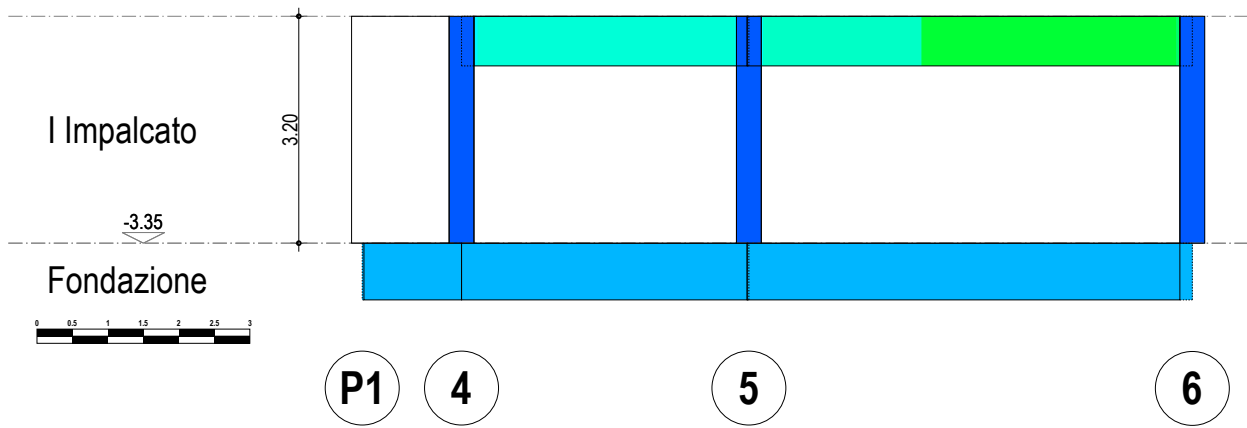
Telaio 13-15-21

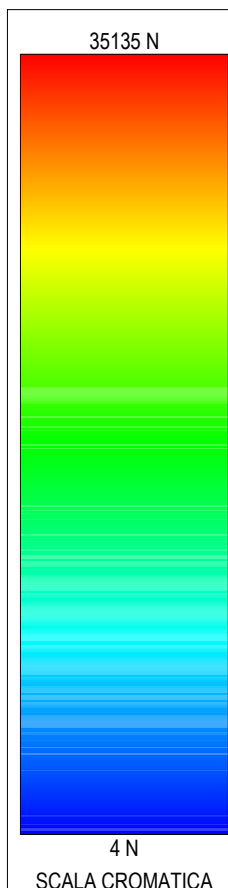
CARICHI DISTRIBUITI SULLA STRUTTURA



Telaio P1-4-5-6

CARICHI DISTRIBUITI SULLA STRUTTURA





CARICHI CONCENTRATI SULLA STRUTTURA

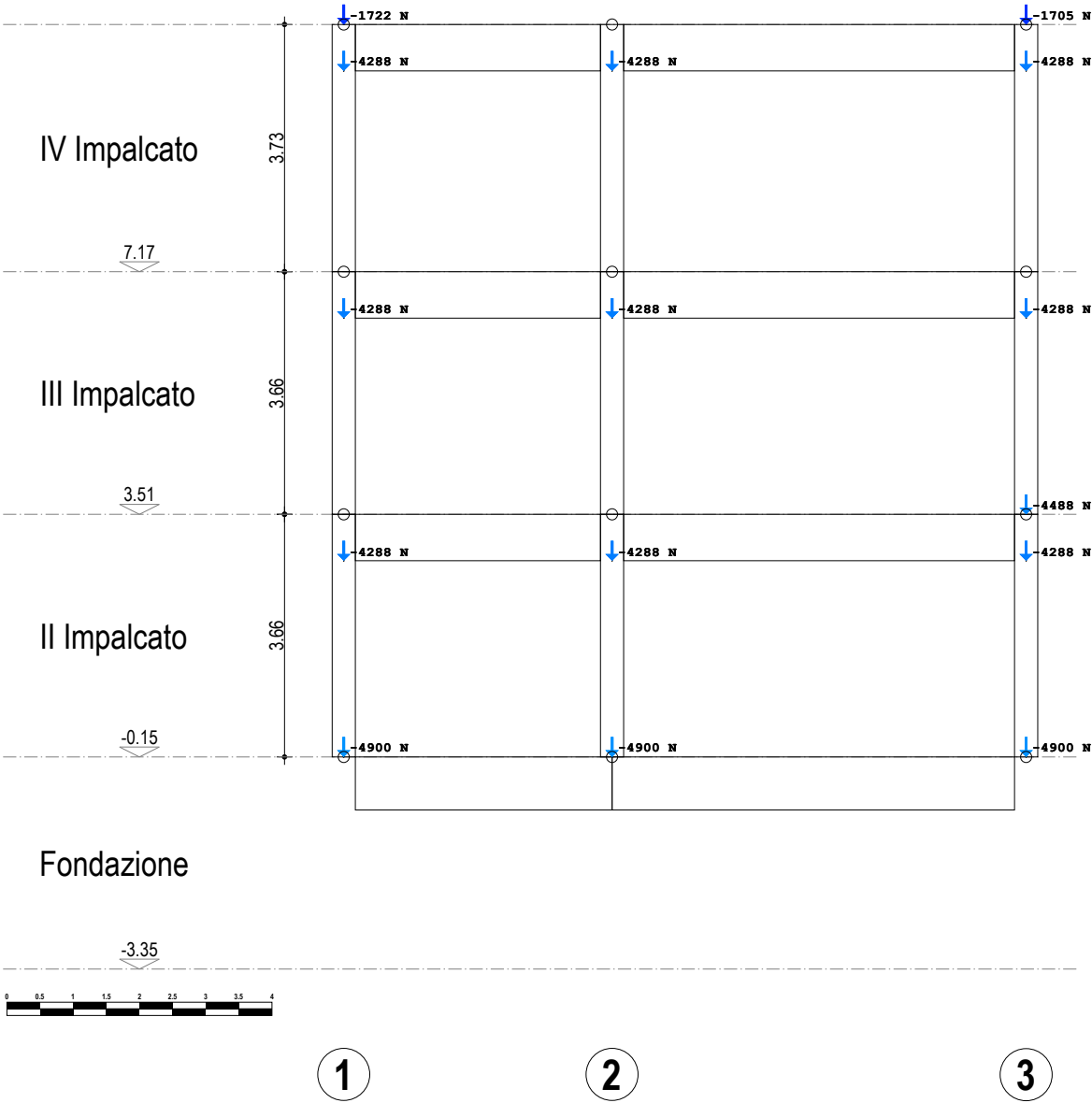
Rappresentazione cromatica dei carichi caratteristici concentrati

complessivi agenti su aste e nodi dei telai (in N).

La scala cromatica riporta il range di valori

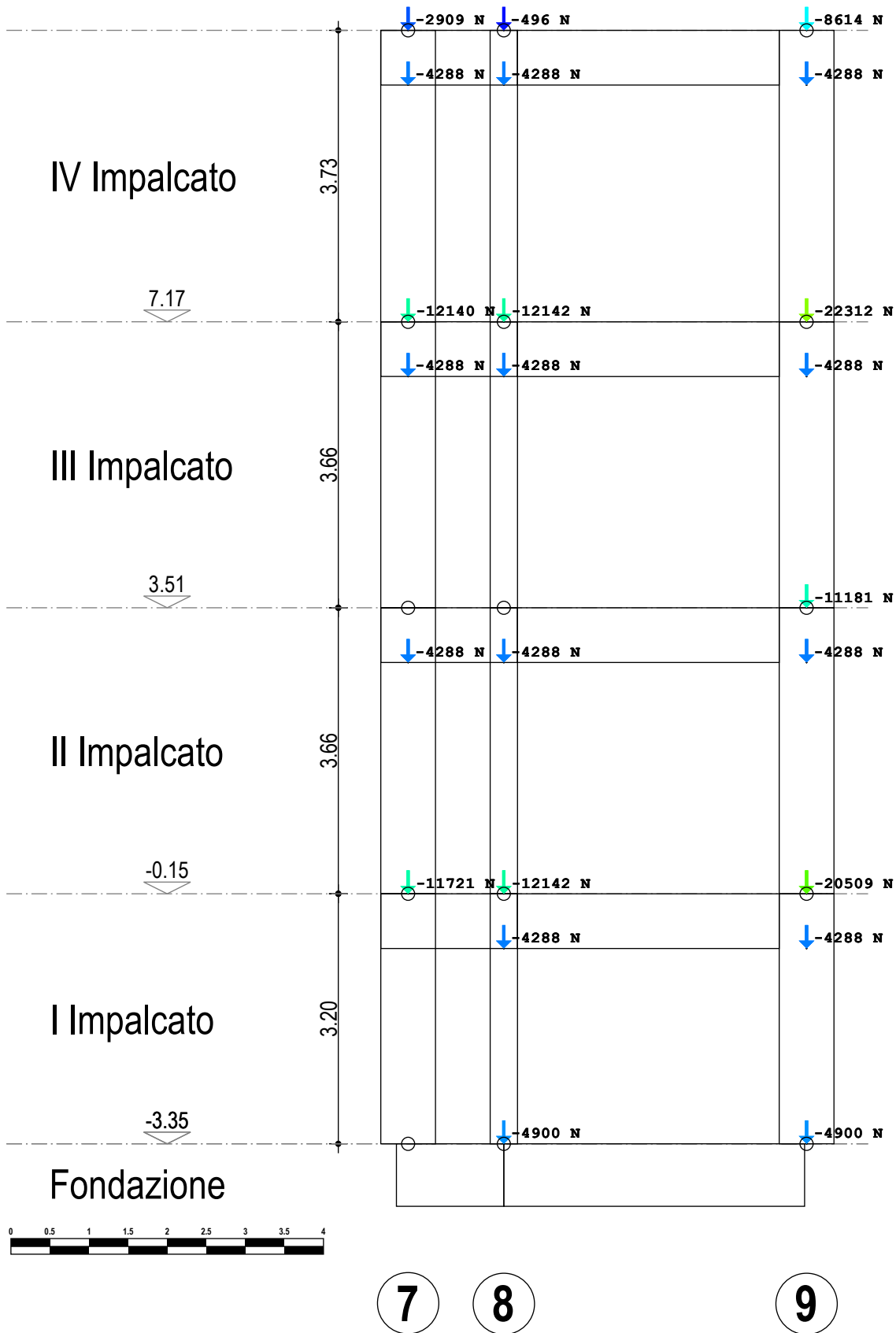
da minimo 4 N (COLORE BLU) a massimo 35135 N (COLORE ROSSO).

Telaio 1-2-3
CARICHI CONCENTRATI SULLA STRUTTURA



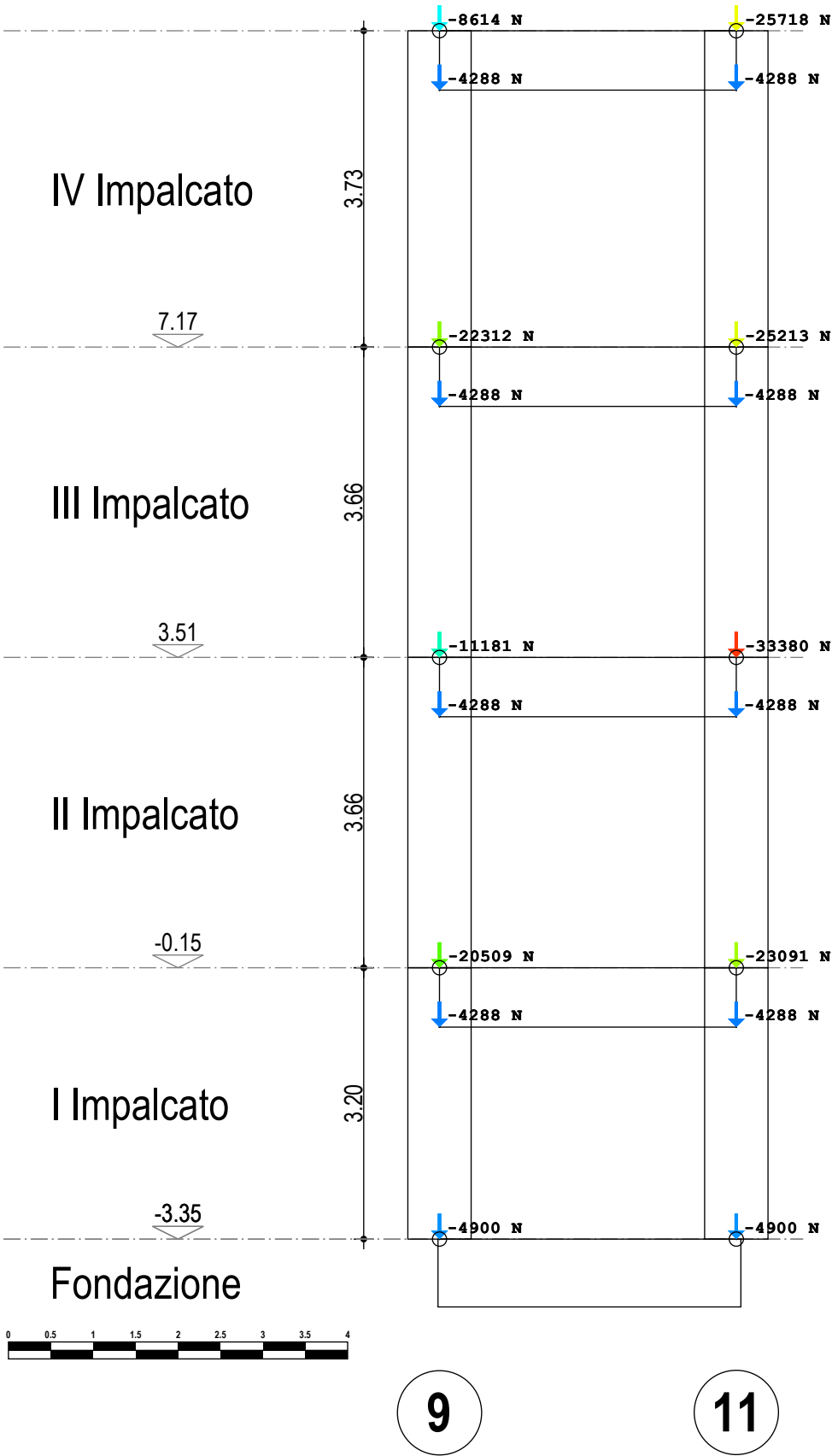
Telaio 7-8-9

CARICHI CONCENTRATI SULLA STRUTTURA



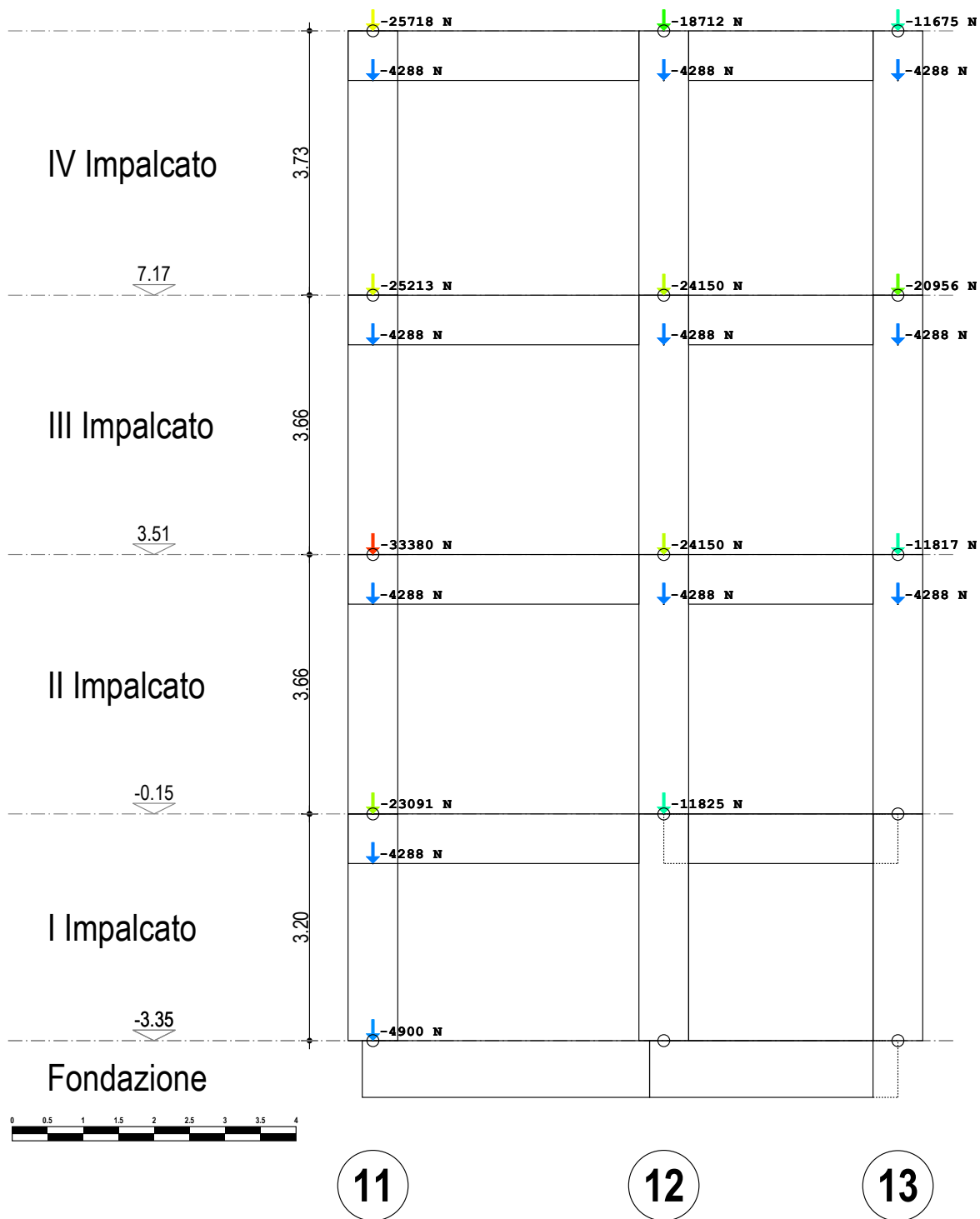
Telaio 9-11

CARICHI CONCENTRATI SULLA STRUTTURA



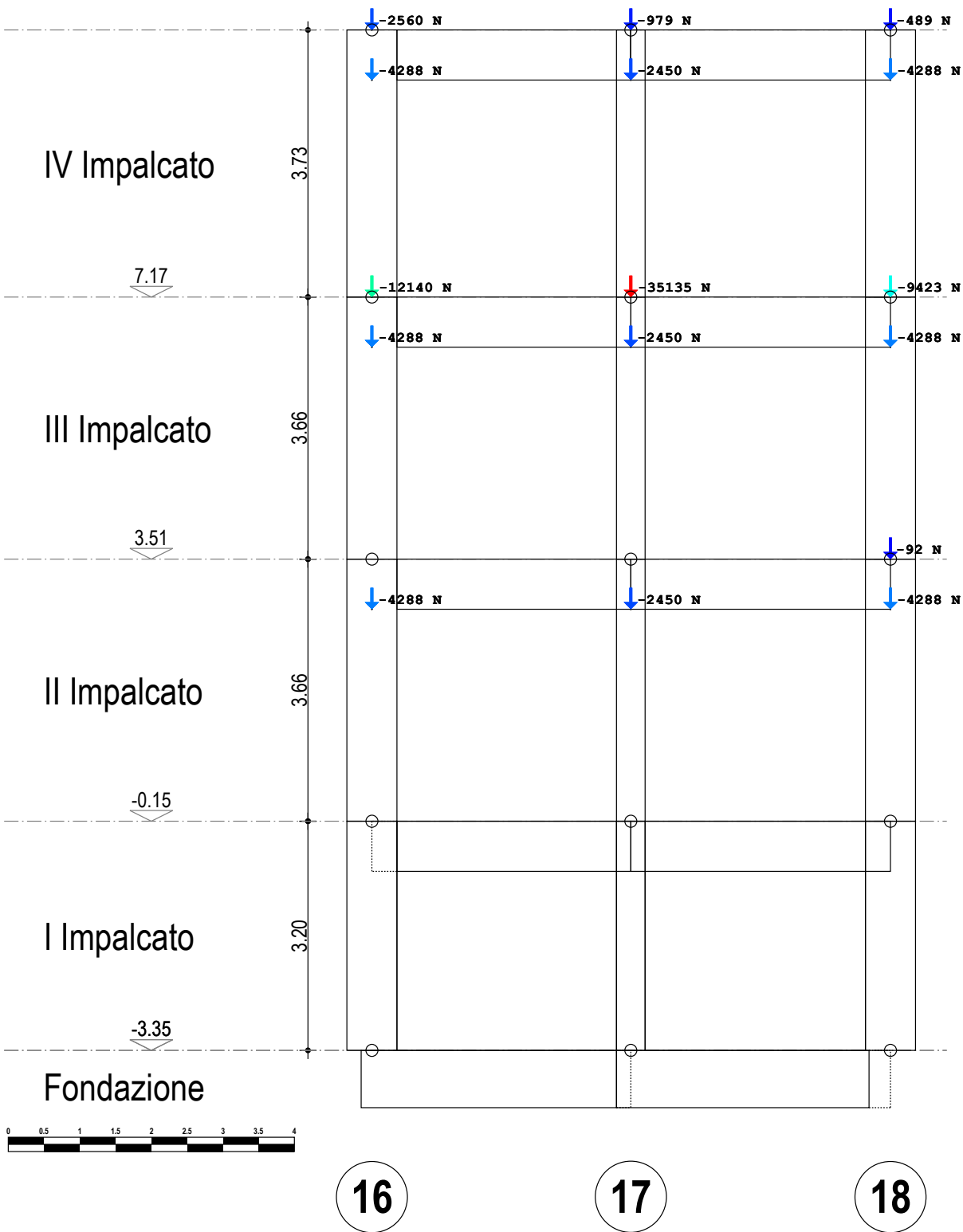
Telaio 11-12-13

CARICHI CONCENTRATI SULLA STRUTTURA



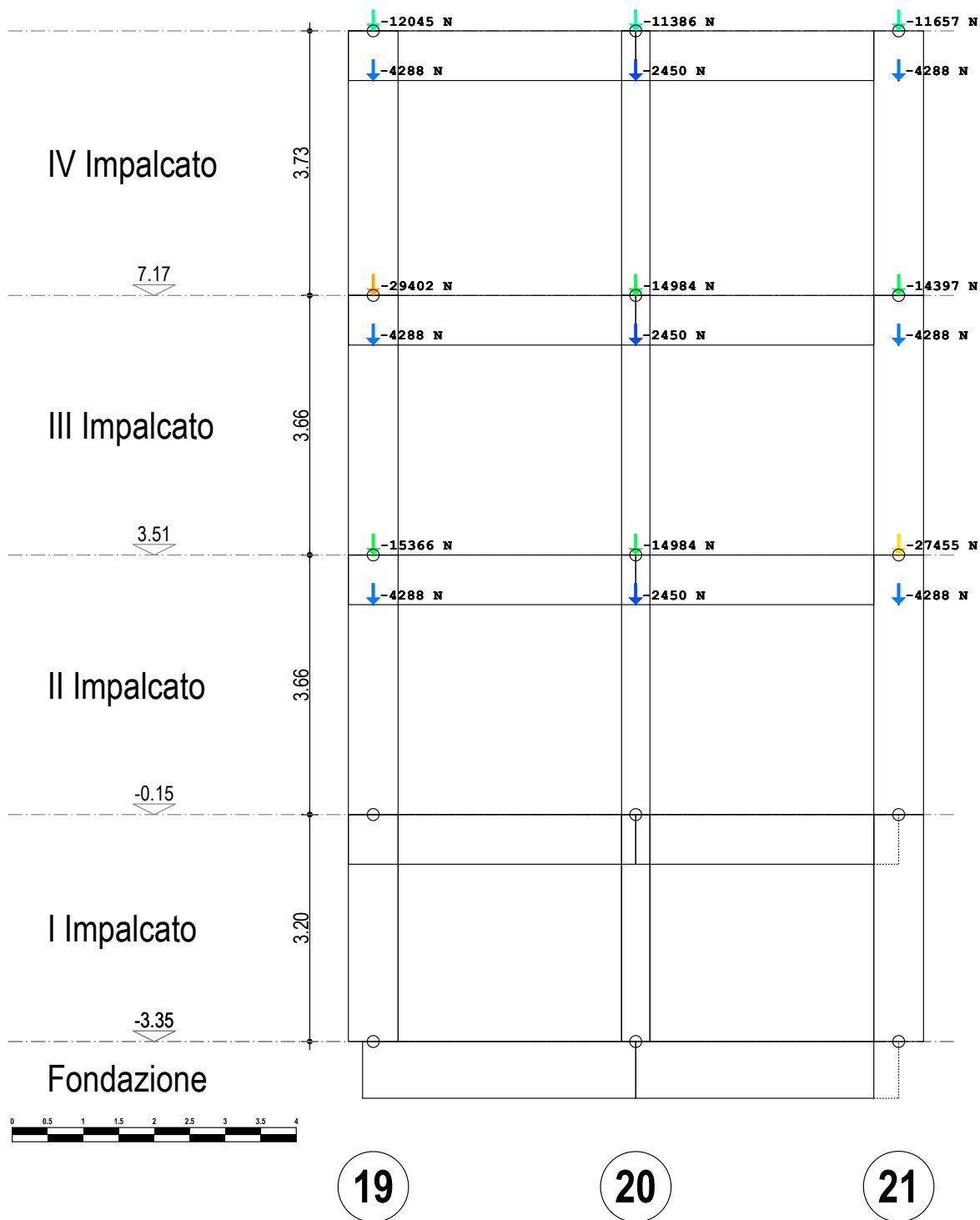
Telaio 16-17-18

CARICHI CONCENTRATI SULLA STRUTTURA



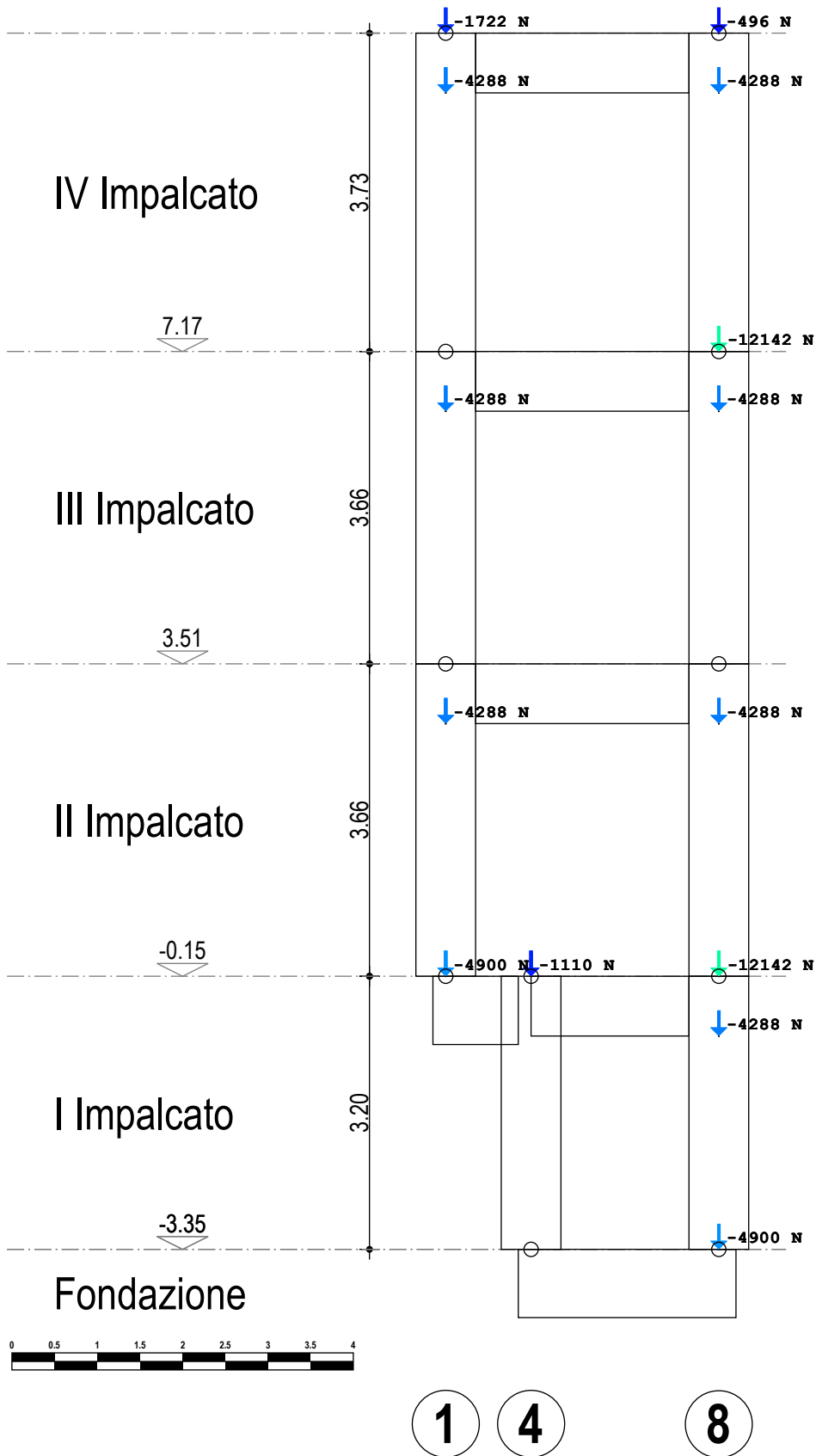
Telaio 19-20-21

CARICHI CONCENTRATI SULLA STRUTTURA



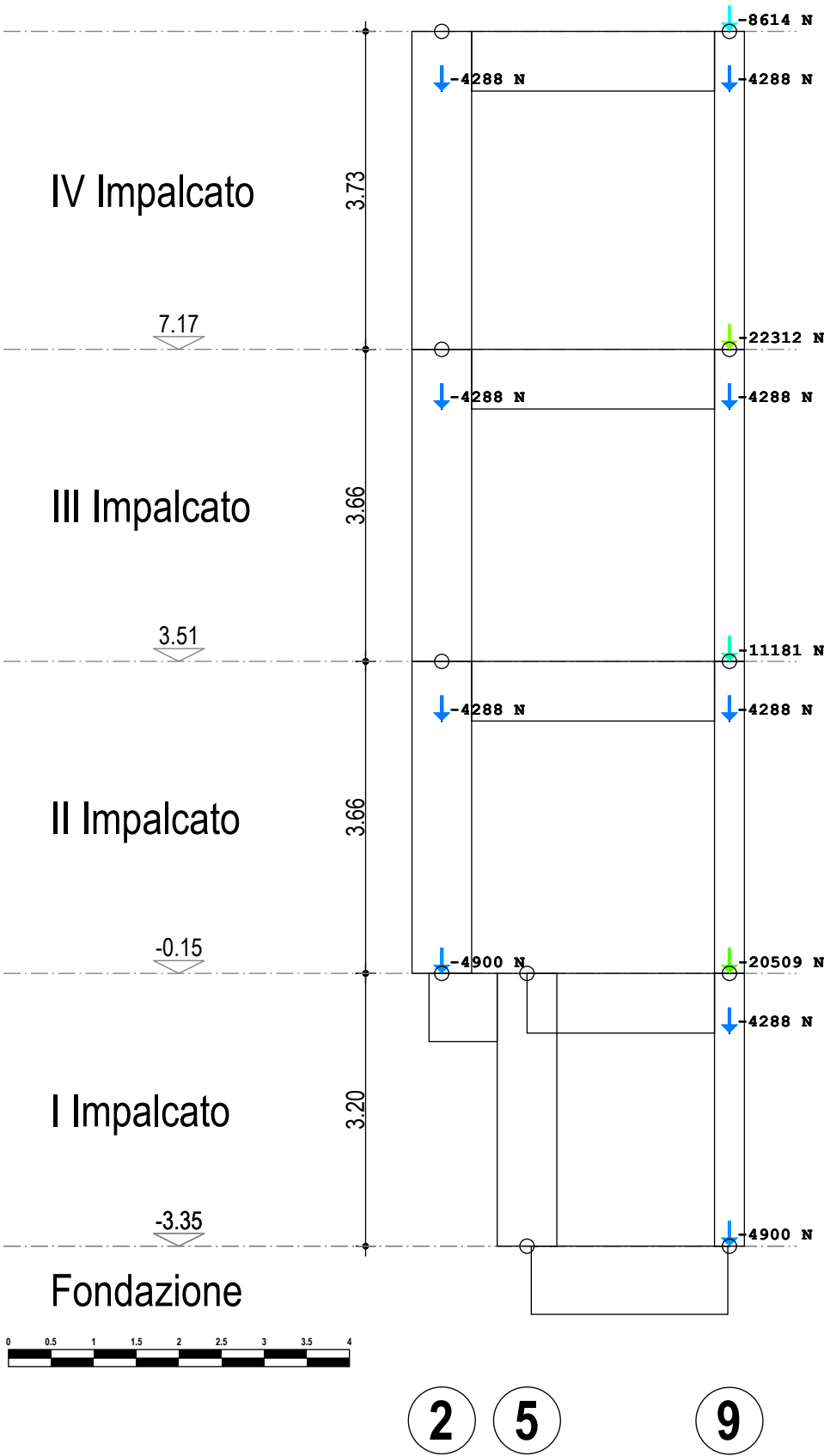
Telaio 1-4-8

CARICHI CONCENTRATI SULLA STRUTTURA



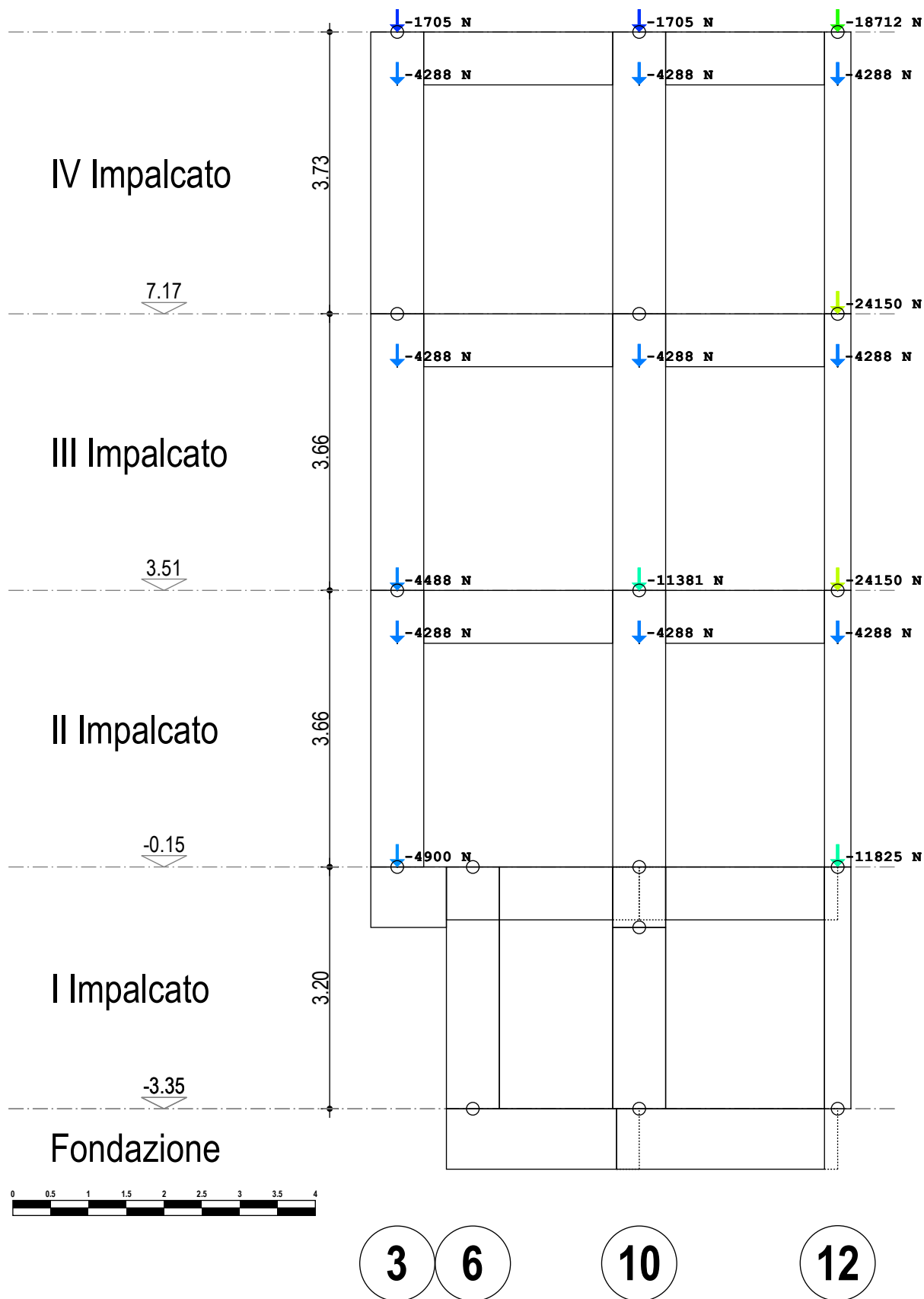
Telaio 2-5-9

CARICHI CONCENTRATI SULLA STRUTTURA



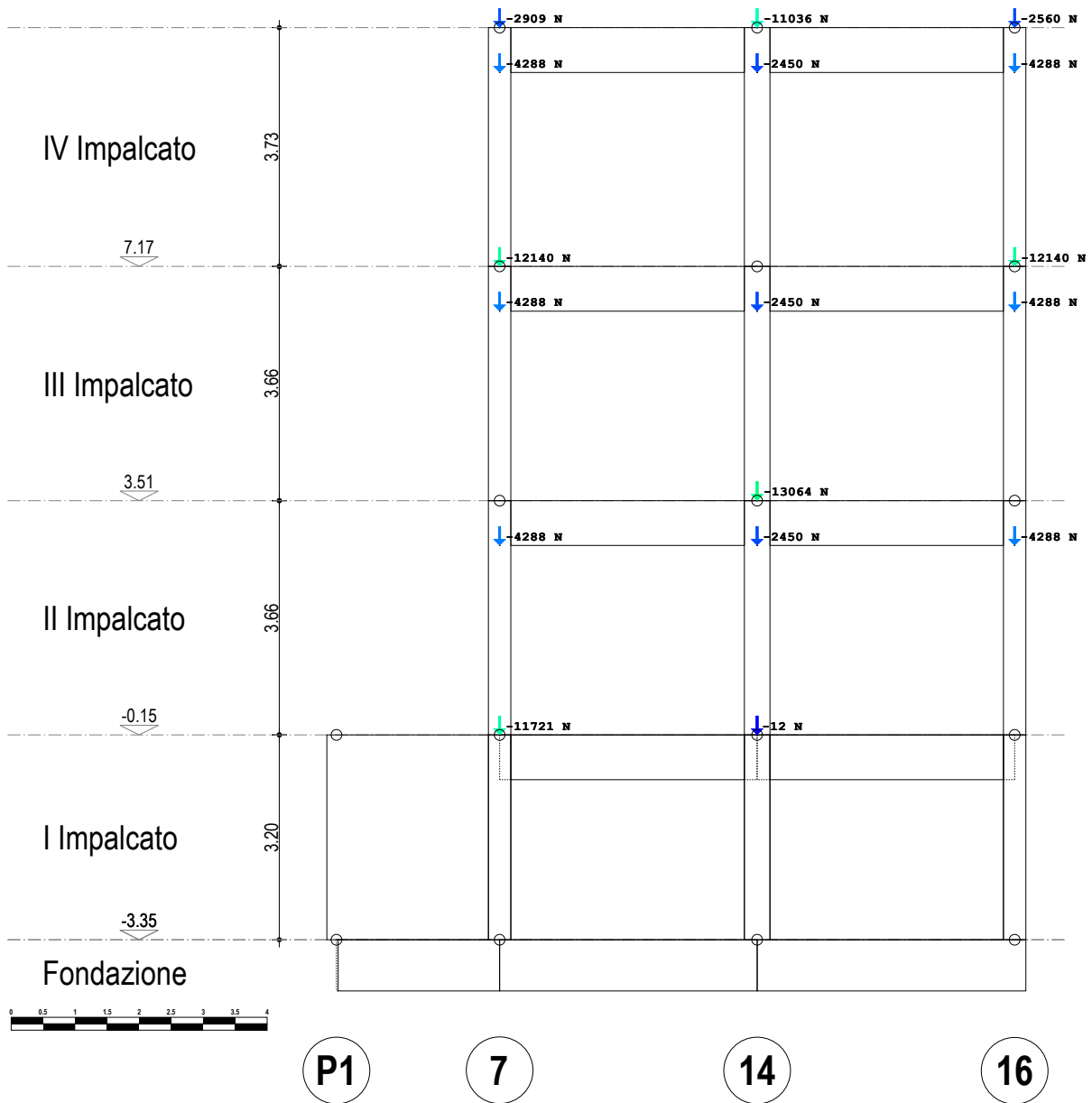
Telaio 3-6-10-12

CARICHI CONCENTRATI SULLA STRUTTURA



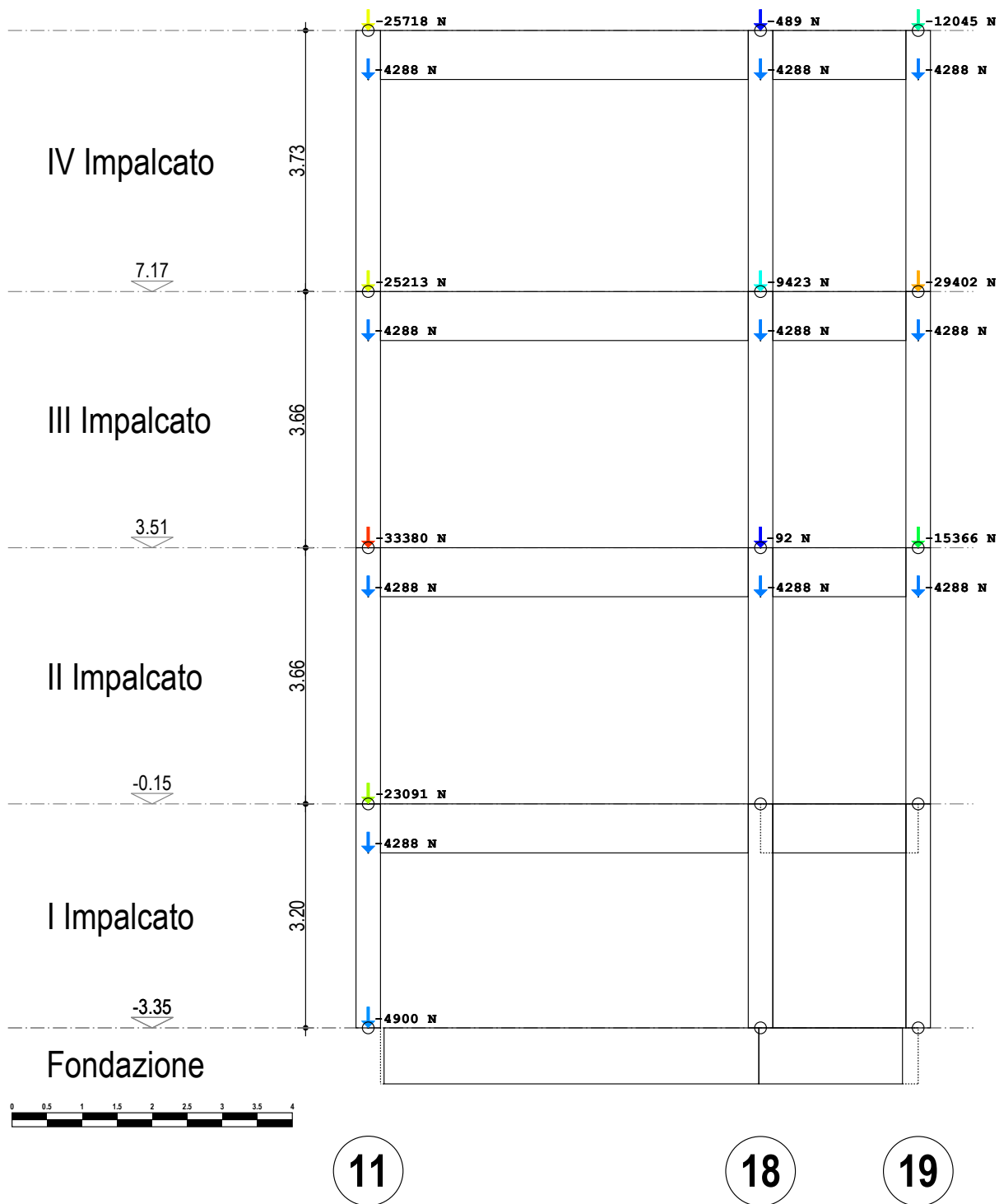
Telaio P1-7-14-16

CARICHI CONCENTRATI SULLA STRUTTURA



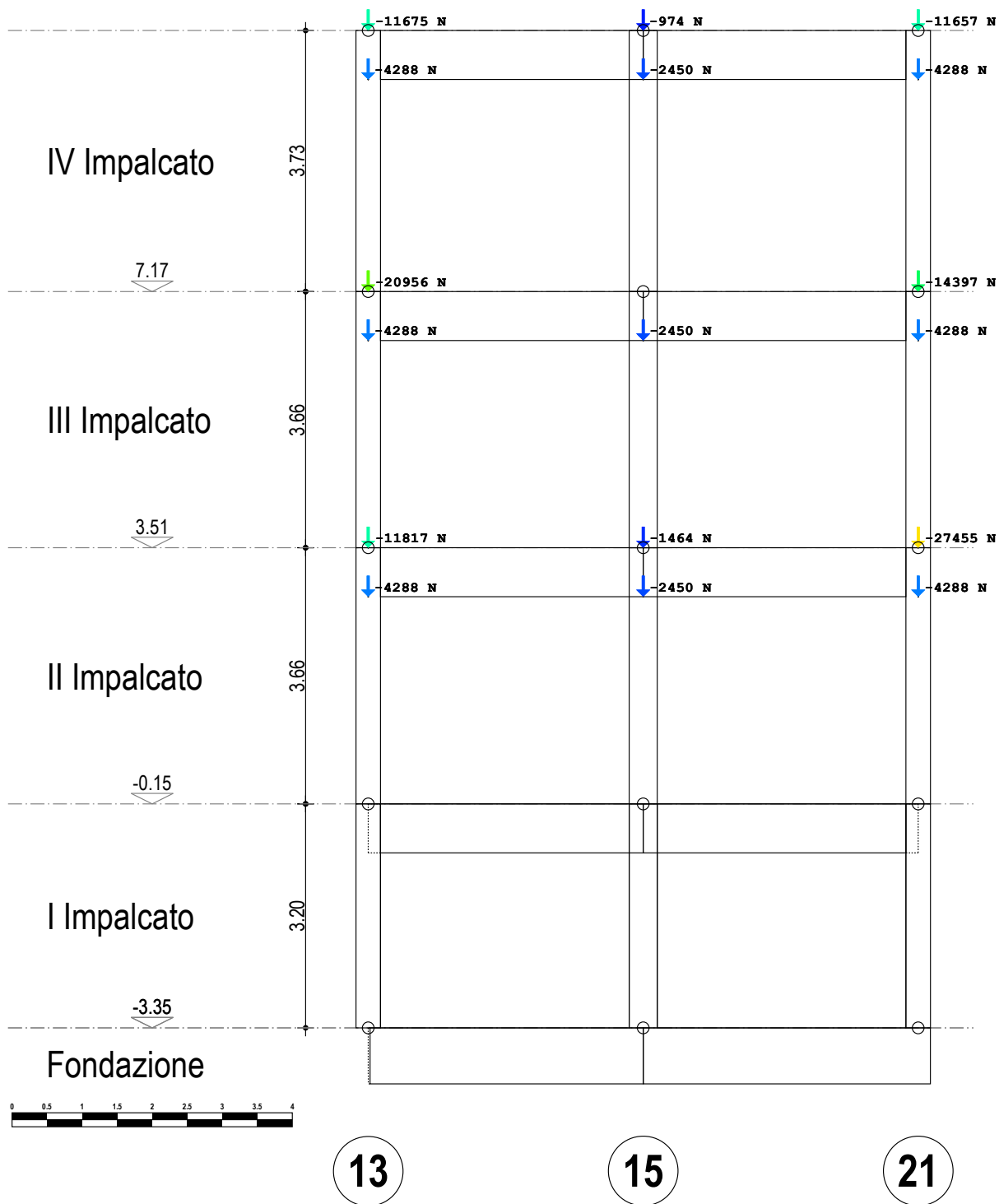
Telaio 11-18-19

CARICHI CONCENTRATI SULLA STRUTTURA



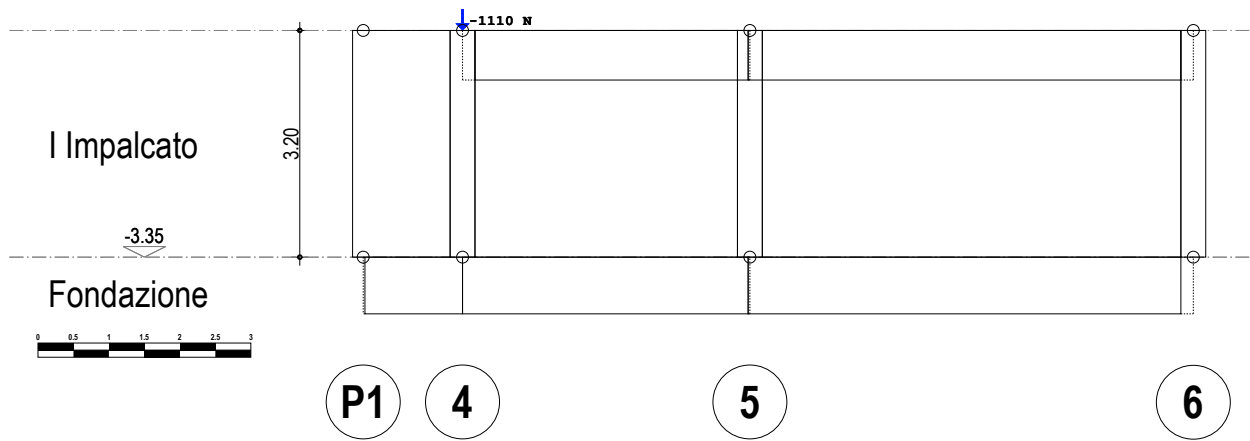
Telaio 13-15-21

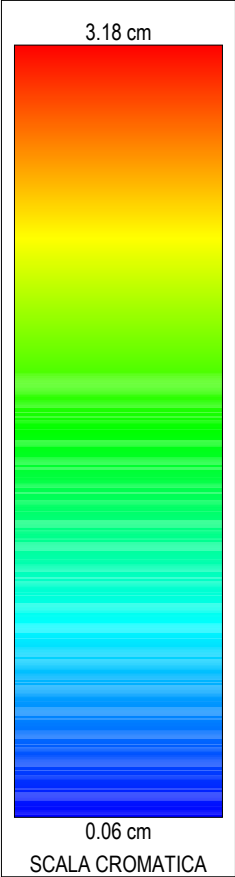
CARICHI CONCENTRATI SULLA STRUTTURA



Telaio P1-4-5-6

CARICHI CONCENTRATI SULLA STRUTTURA



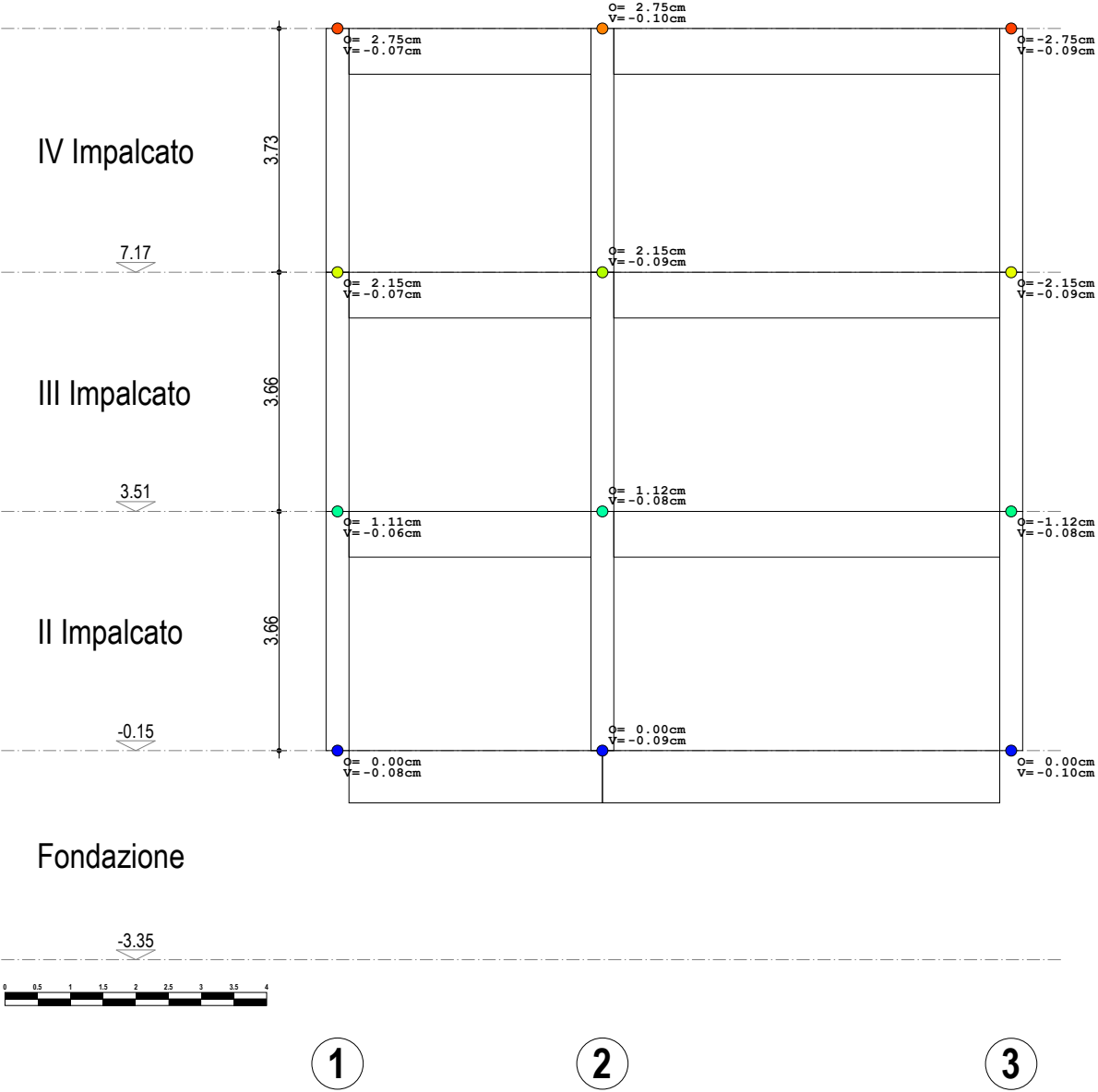


SPOSTAMENTI NODALI

Rappresentazione cromatica nei nodi della componente orizzontale e verticale,
nel piano del telaio, del vettore di spostamento massimo (in cm).
La scala cromatica riporta il range di valori
da minimo 0.06 cm (COLORE BLU) a massimo 3.18 cm (COLORE ROSSO).
O = Spostamenti nodali orizzontali nel piano del telaio (positivi verso destra)
V = Spostamenti nodali verticali nel piano del telaio (positivi verso l'alto)

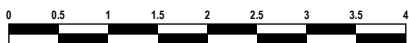
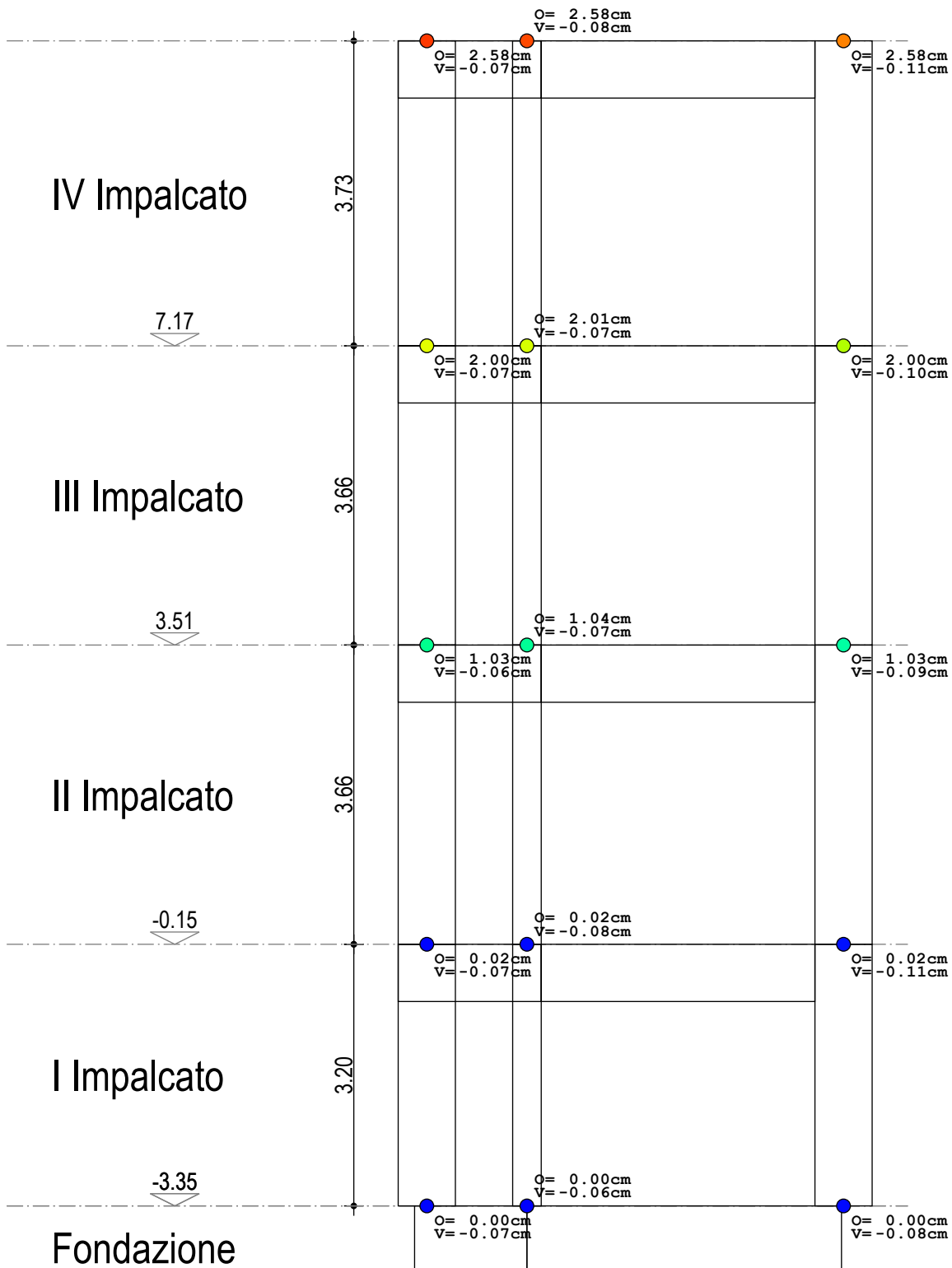
Telaio 1-2-3

SPOSTAMENTI NODALI



Telaio 7-8-9

SPOSTAMENTI NODALI



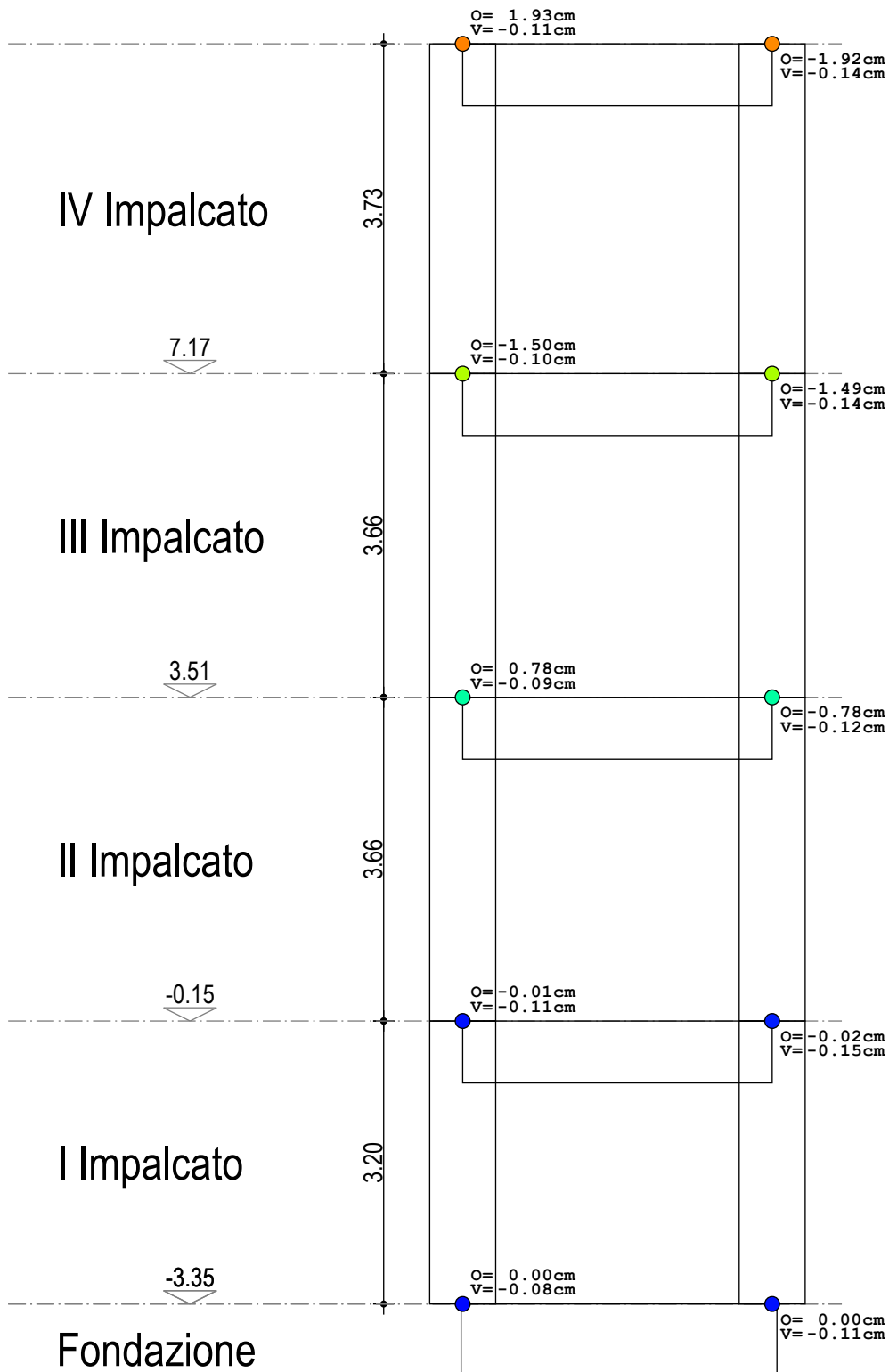
7

8

9

Telaio 9-11

SPOSTAMENTI NODALI

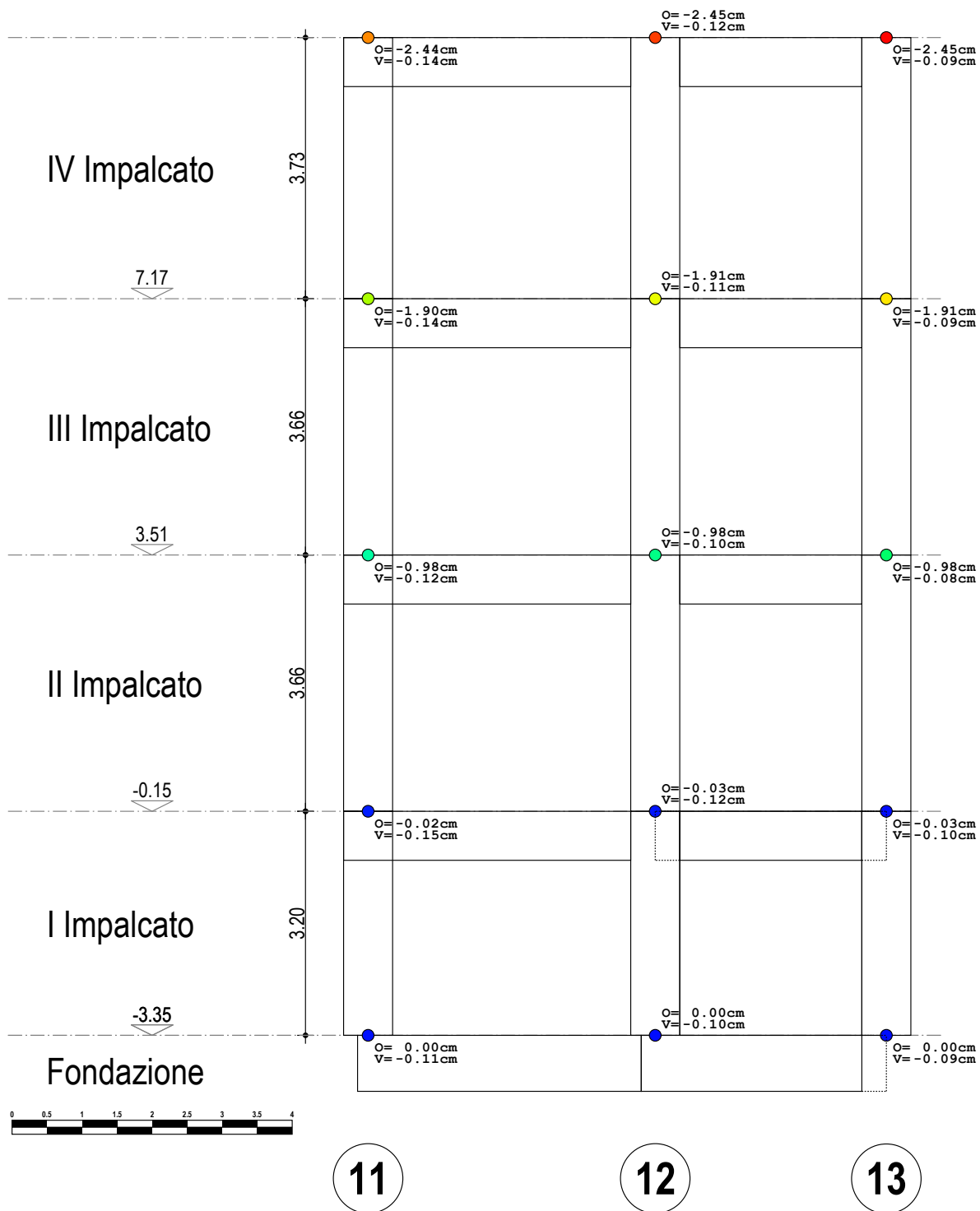


9

11

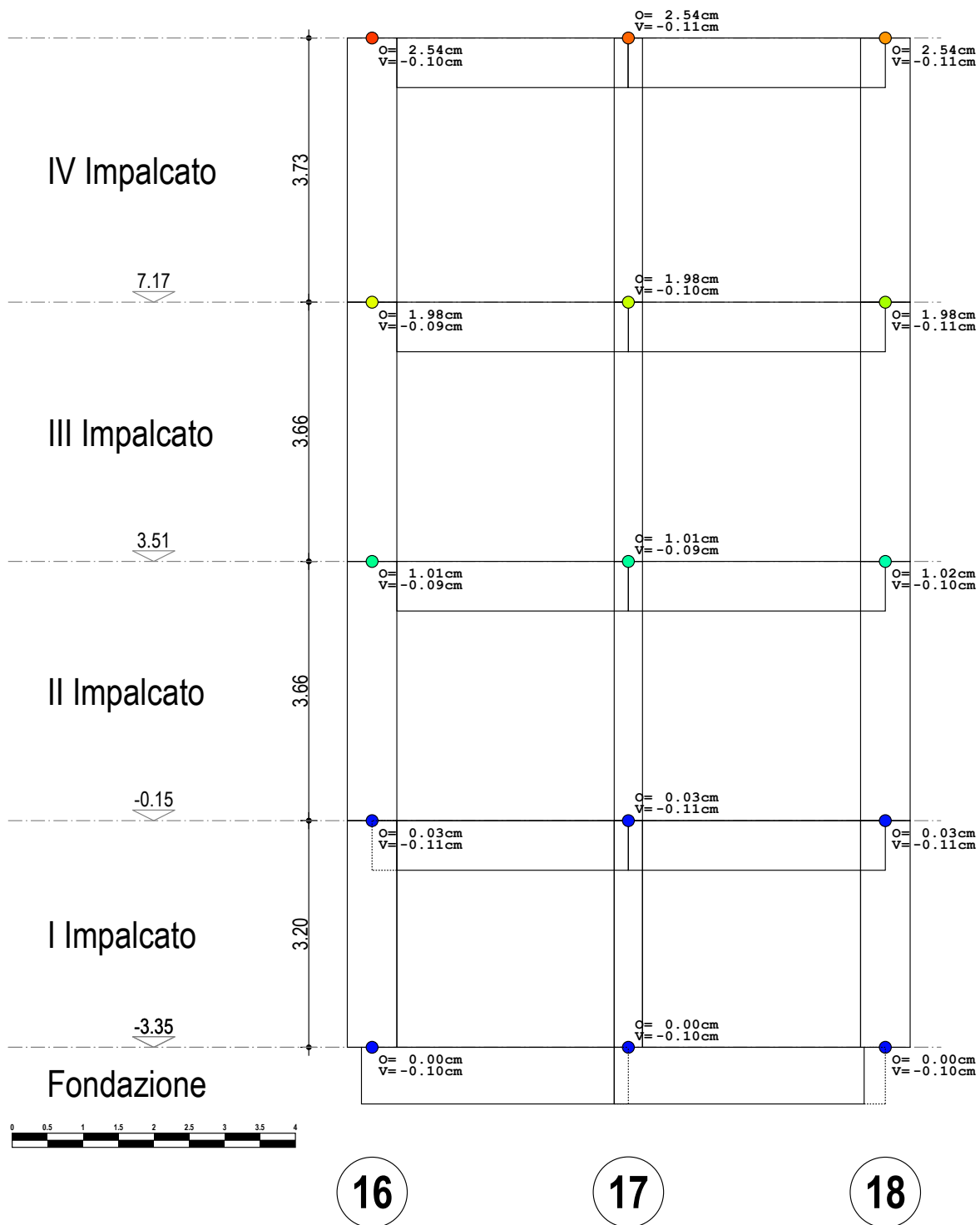
Telaio 11-12-13

SPOSTAMENTI NODALI



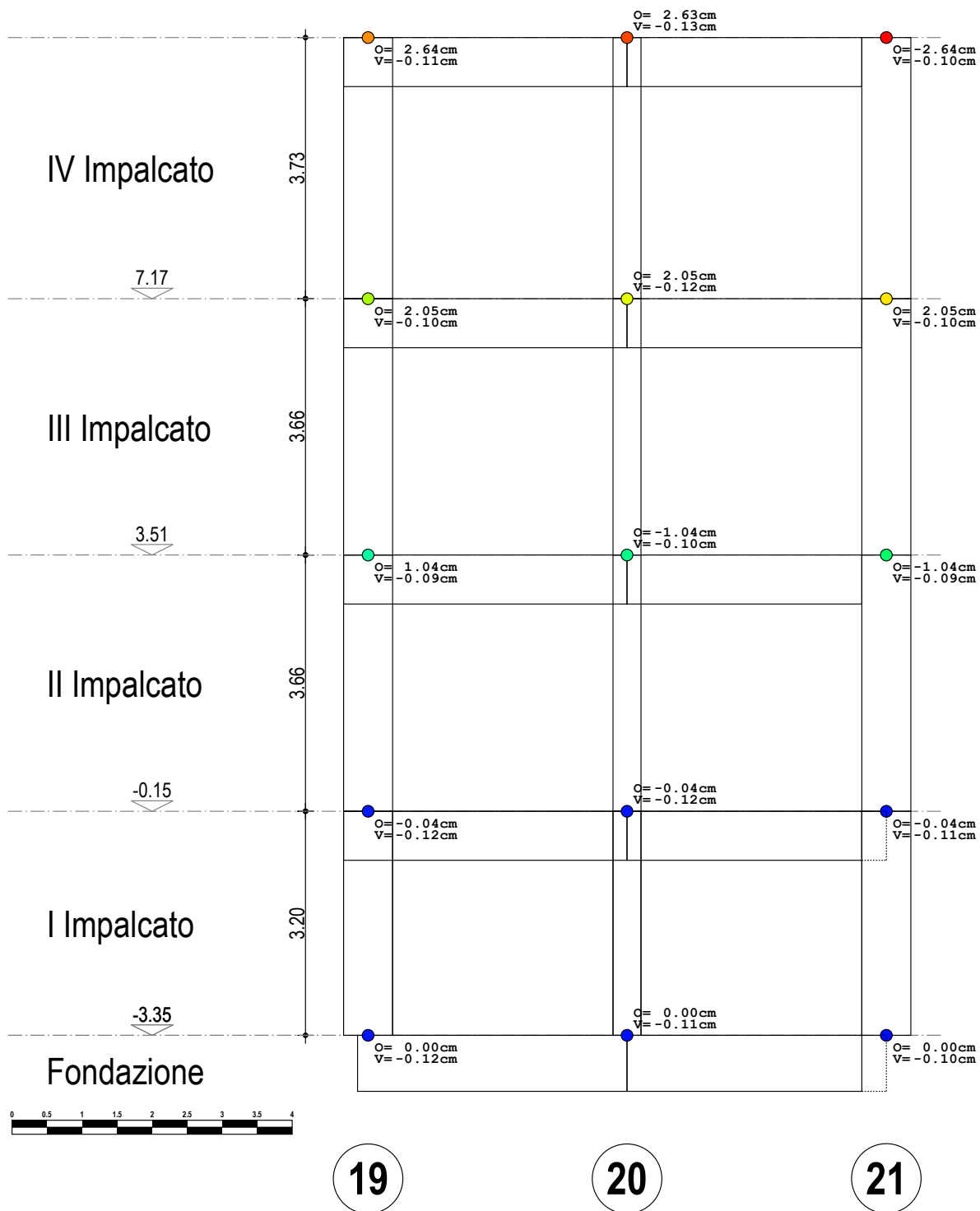
Telaio 16-17-18

SPOSTAMENTI NODALI



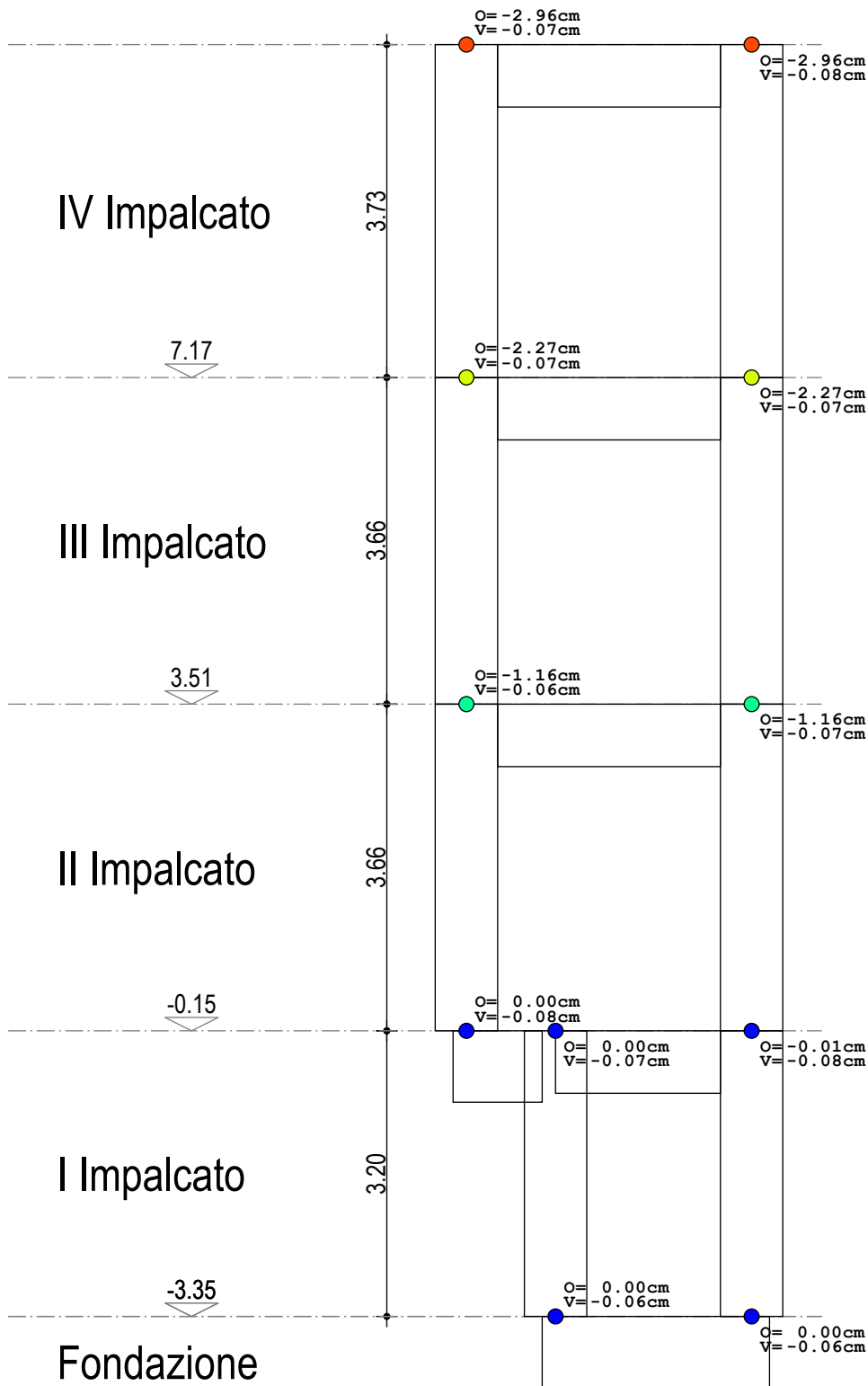
Telaio 19-20-21

SPOSTAMENTI NODALI



Telaio 1-4-8

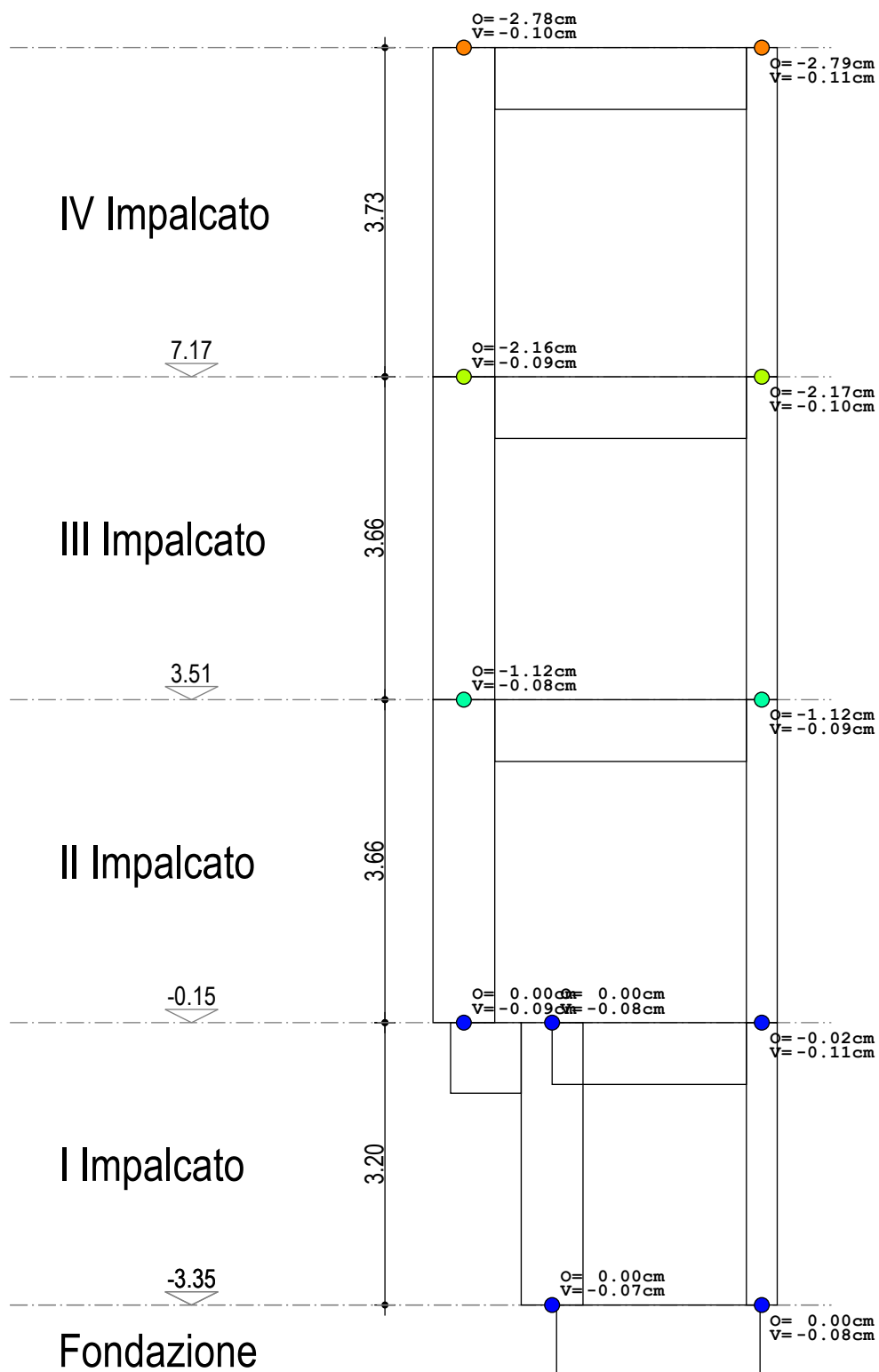
SPOSTAMENTI NODALI



1 4 8

Telaio 2-5-9

SPOSTAMENTI NODALI



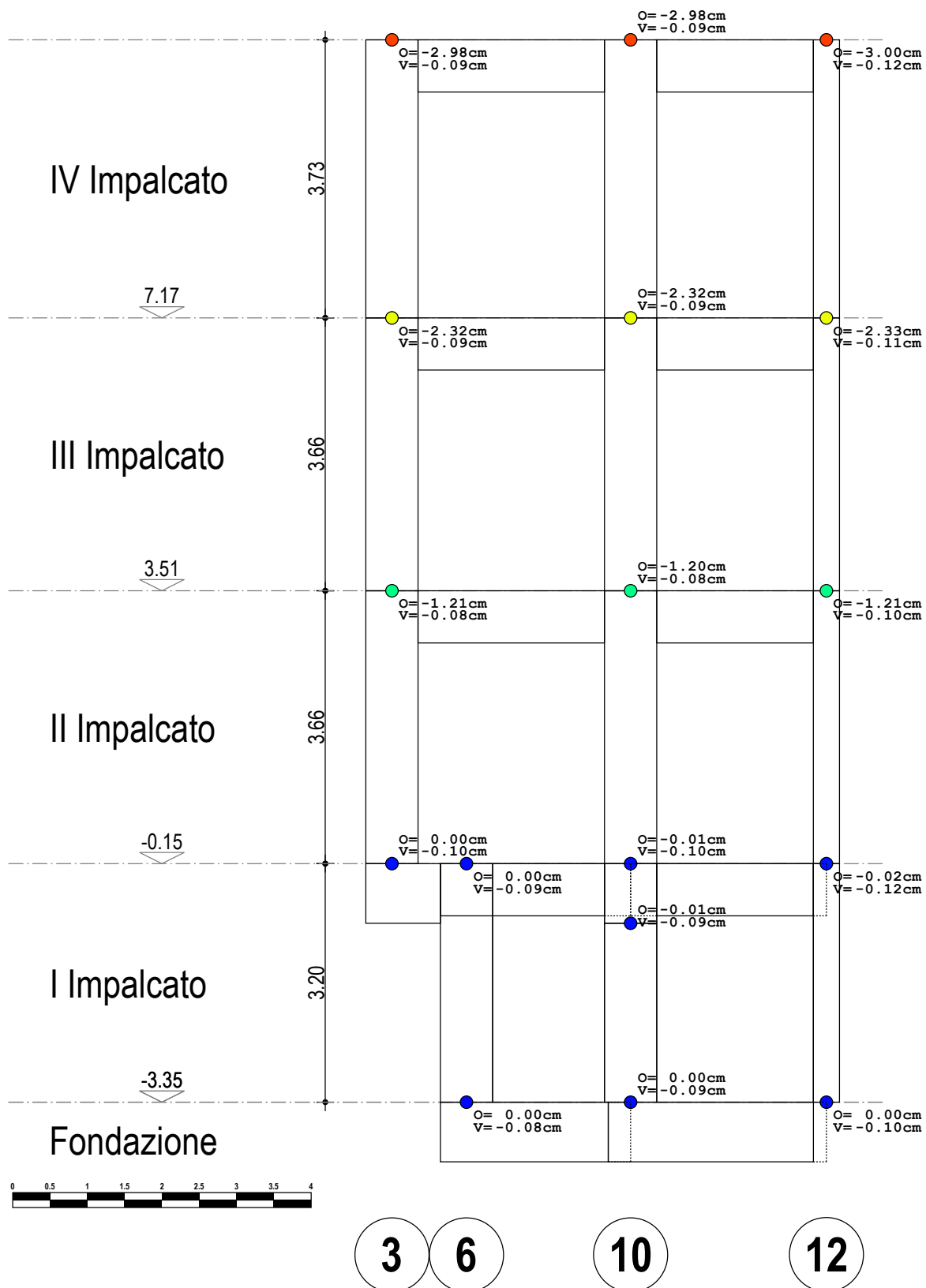
2

5

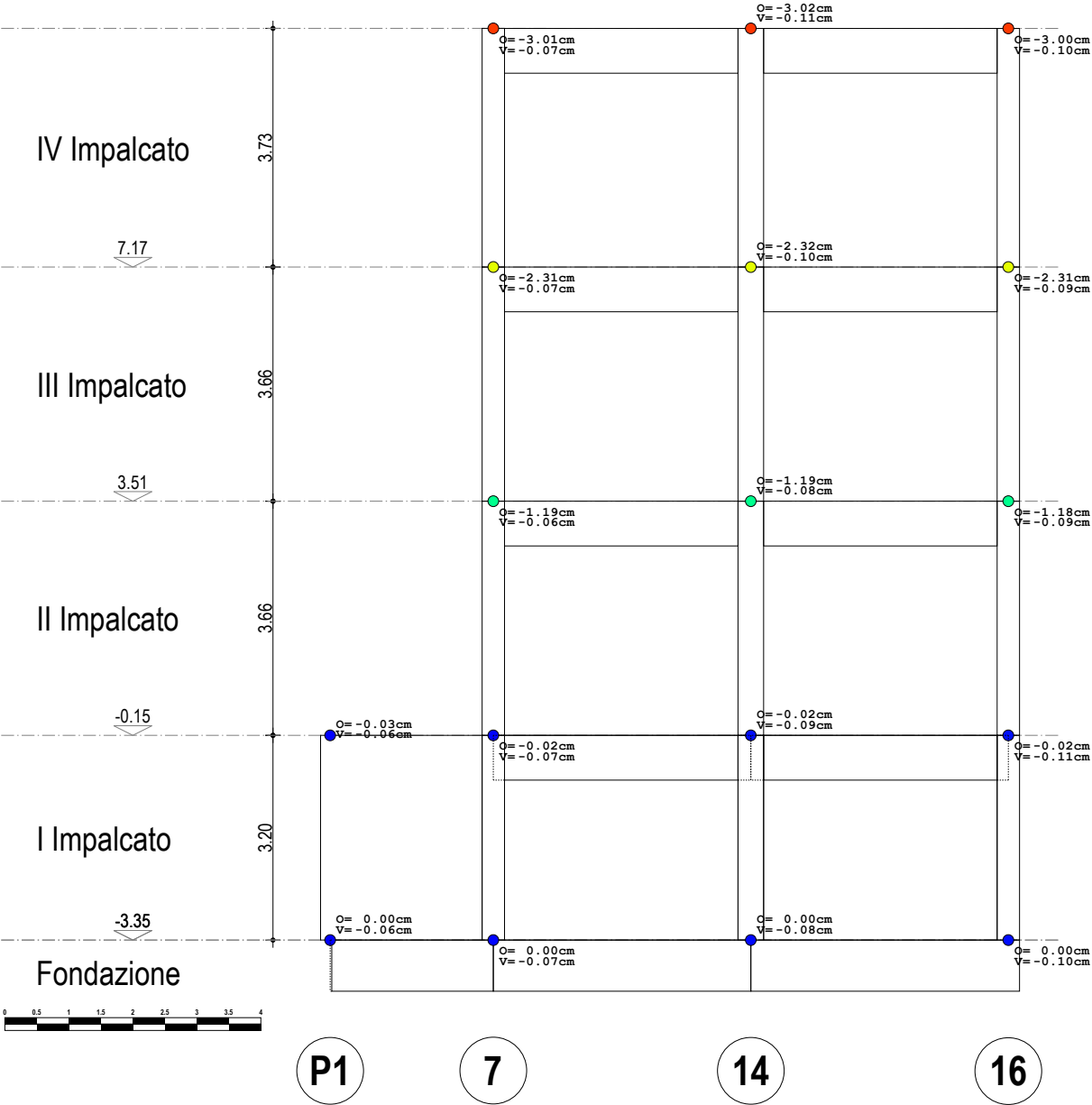
9

Telaio 3-6-10-12

SPOSTAMENTI NODALI

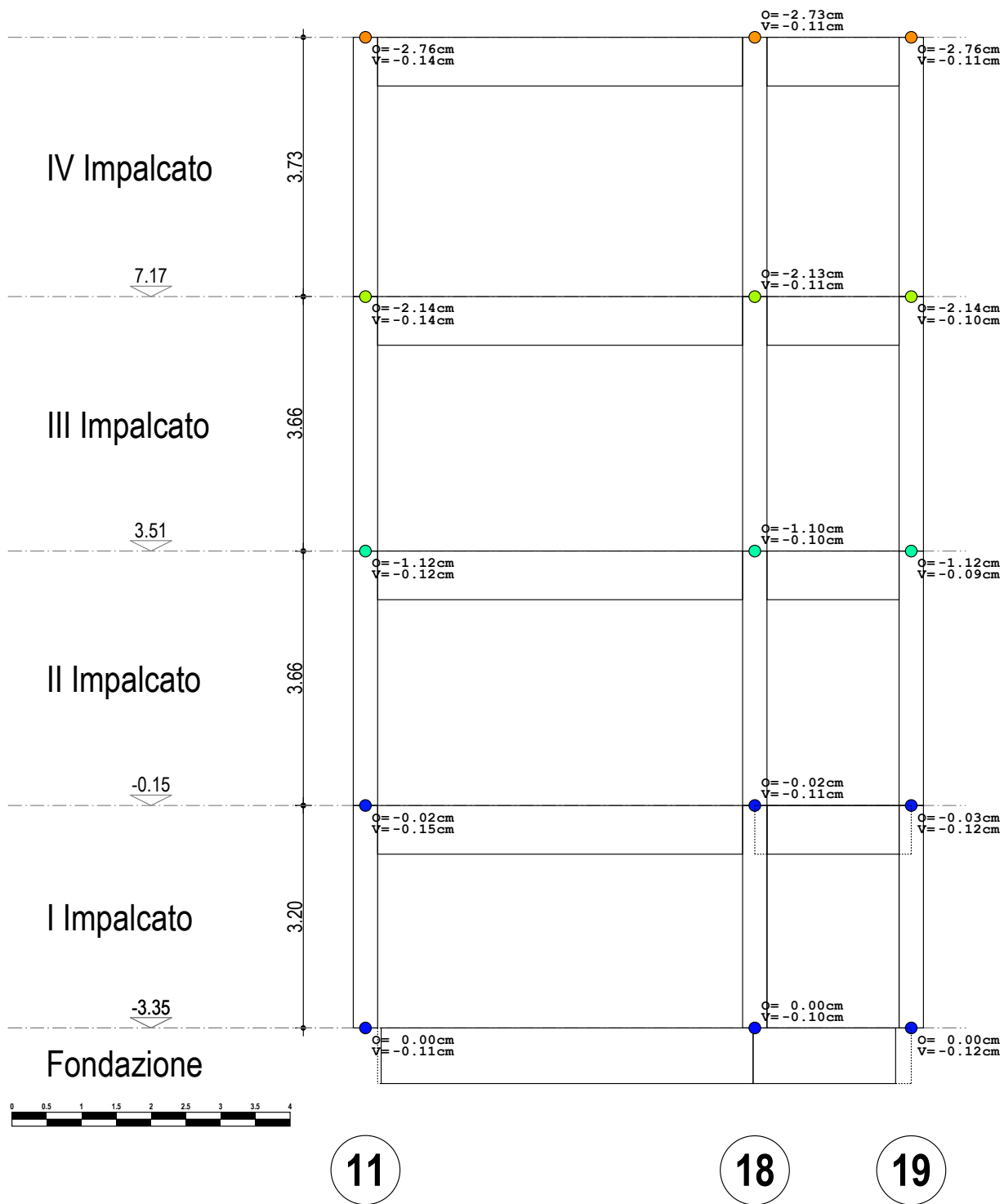


Telaio P1-7-14-16
SPOSTAMENTI NODALI



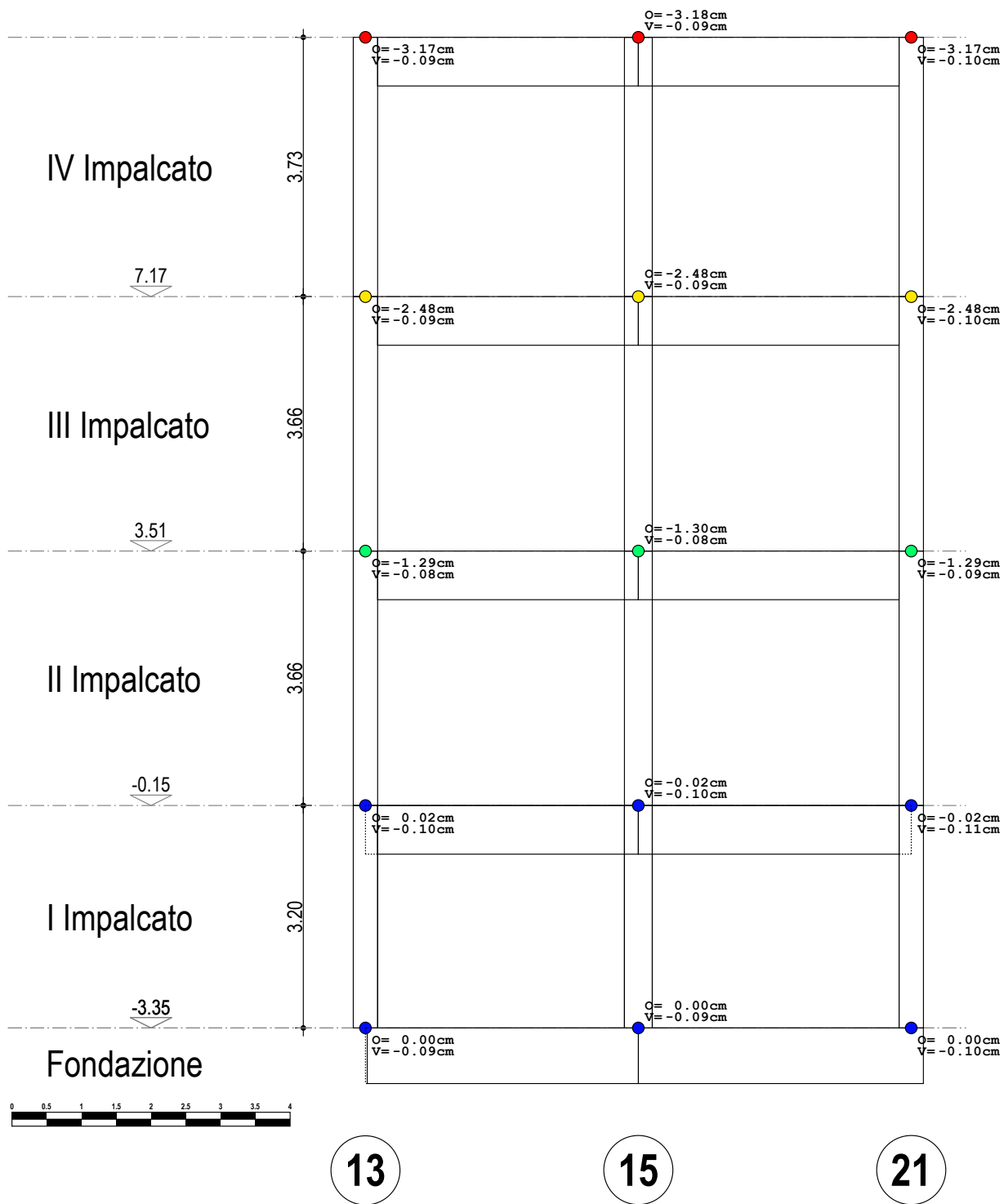
Telaio 11-18-19

SPOSTAMENTI NODALI

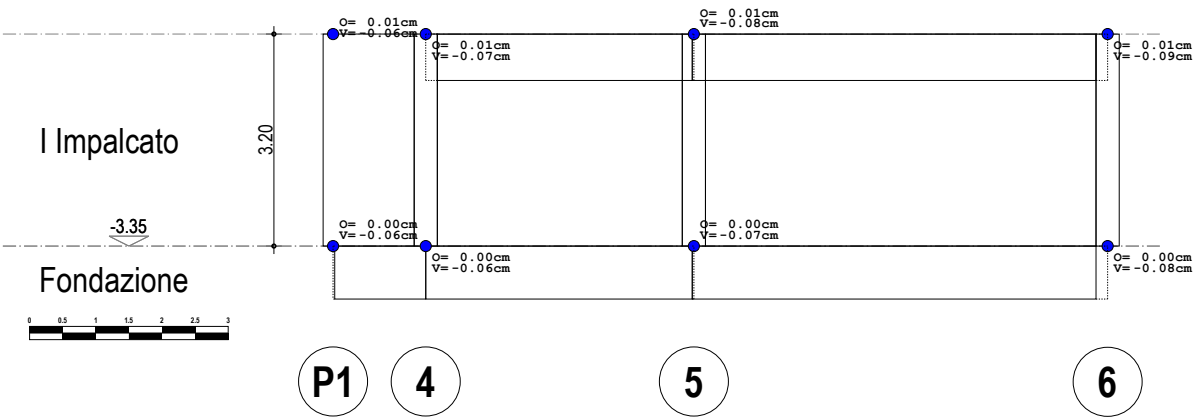


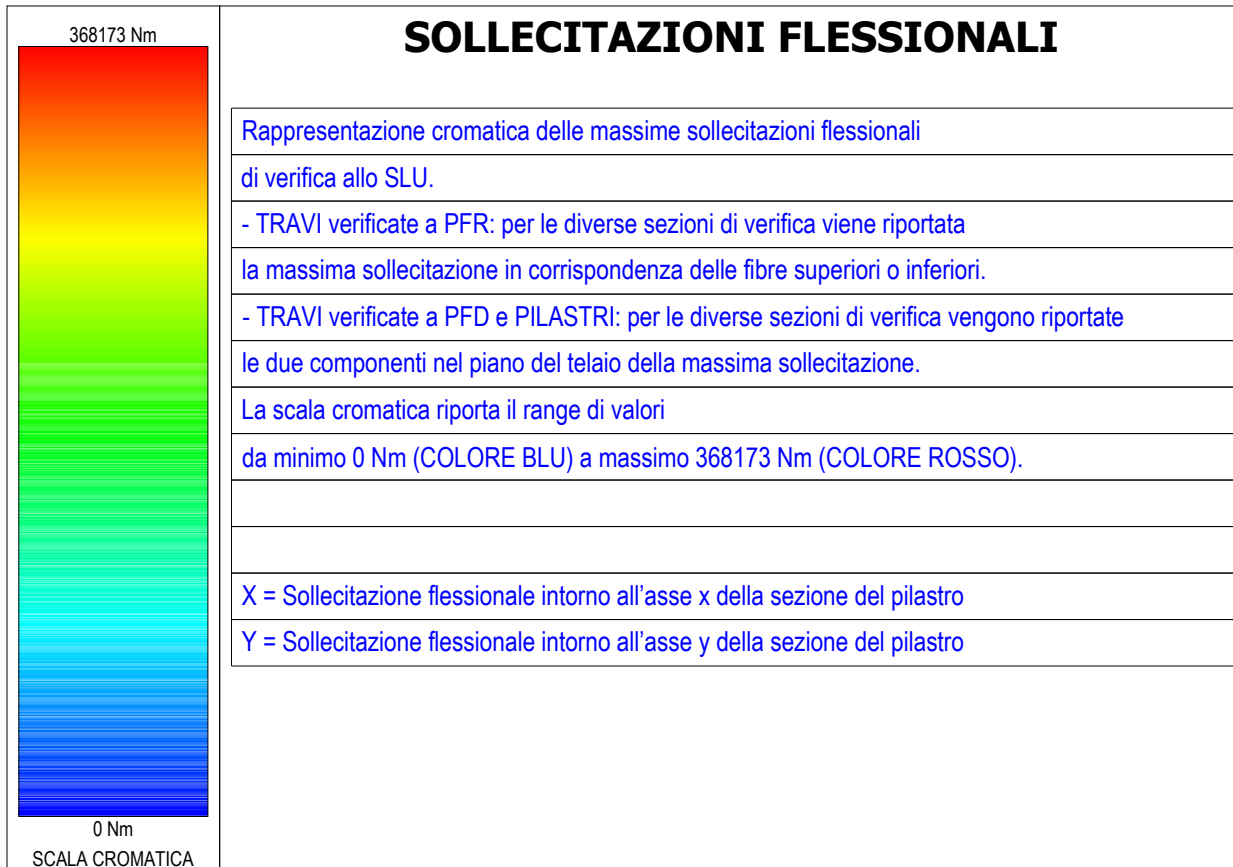
Telaio 13-15-21

SPOSTAMENTI NODALI



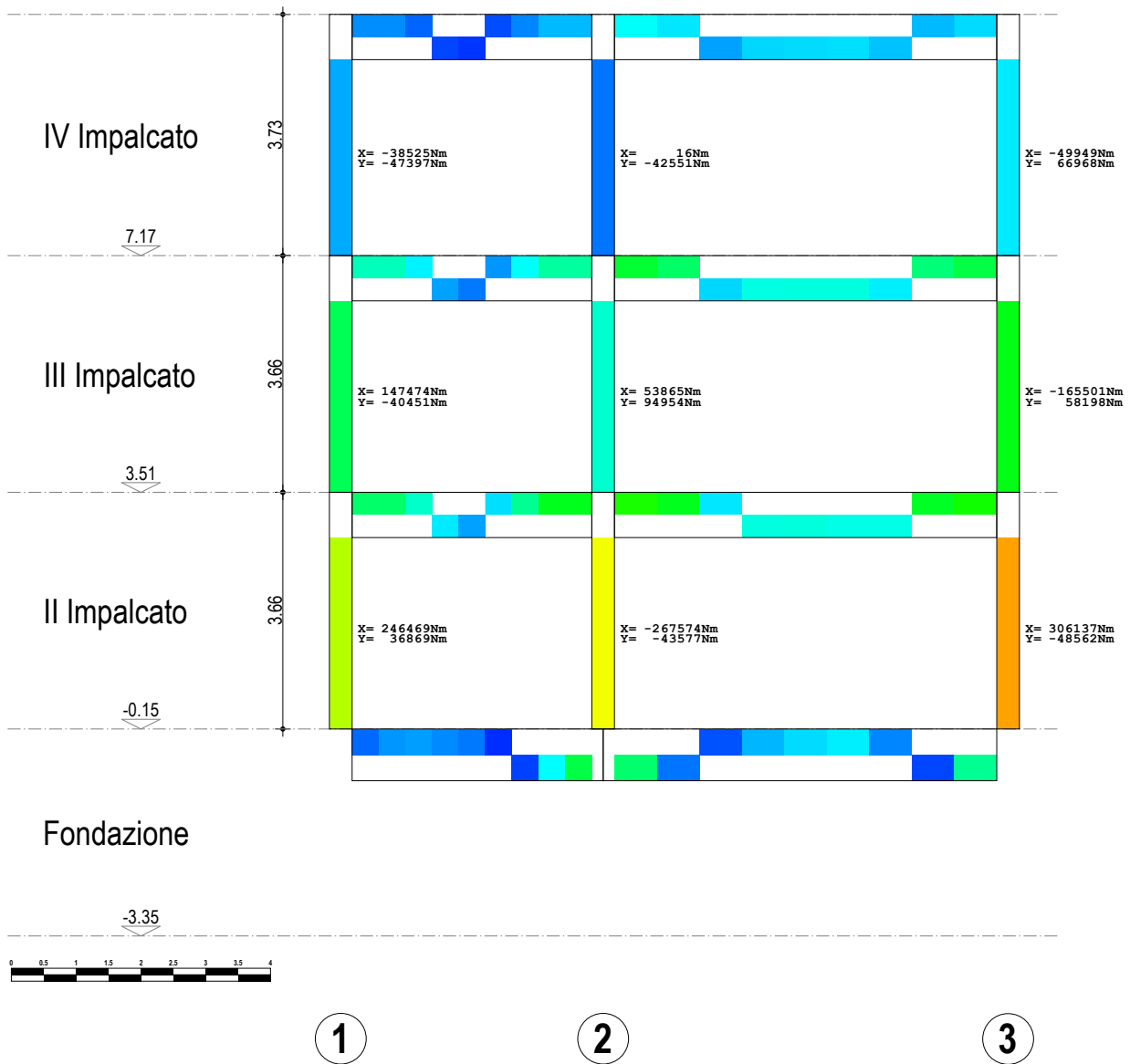
Telaio P1-4-5-6
SPOSTAMENTI NODALI





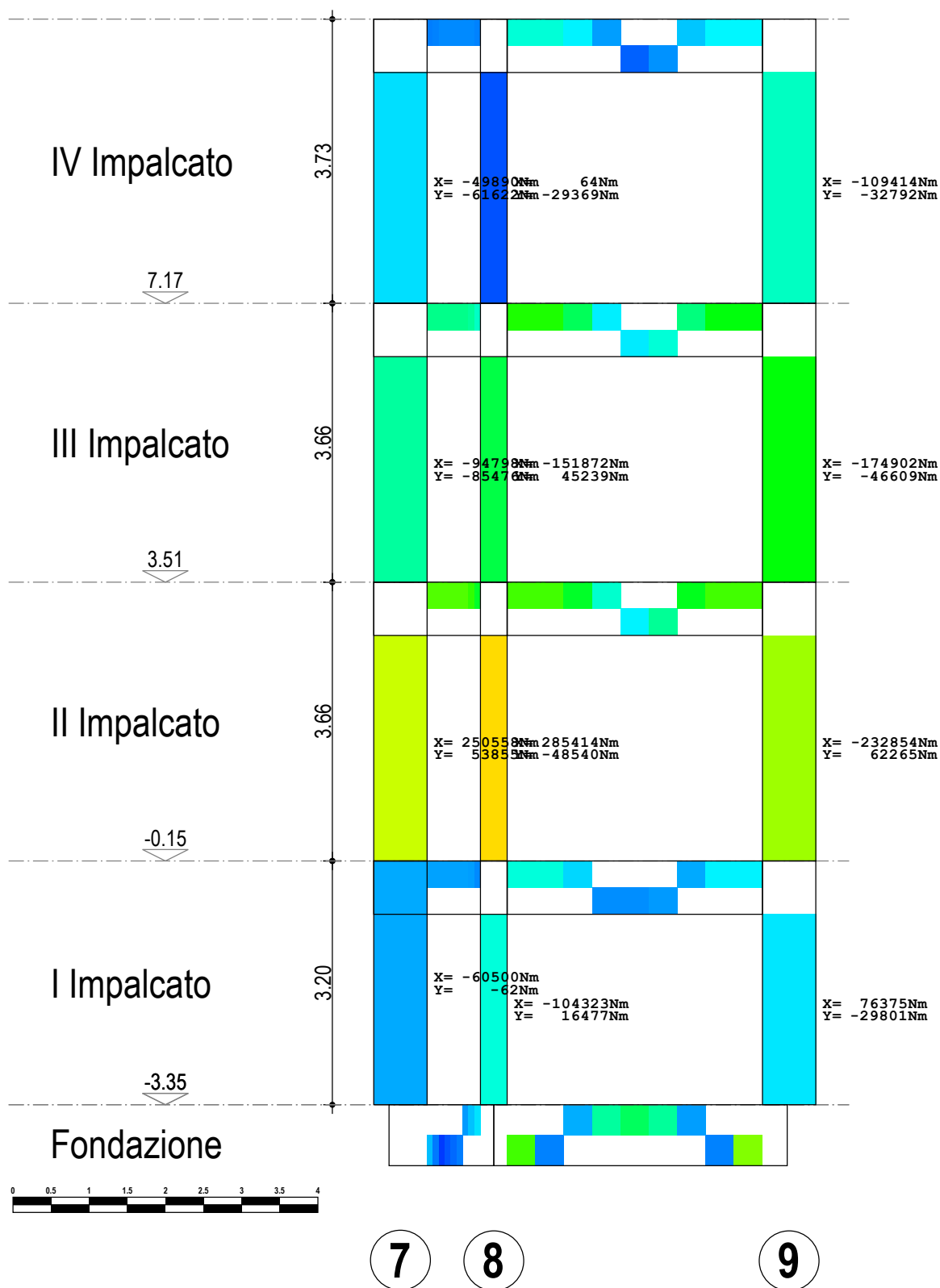
Telaio 1-2-3

SOLLECITAZIONI FLESSIONALI



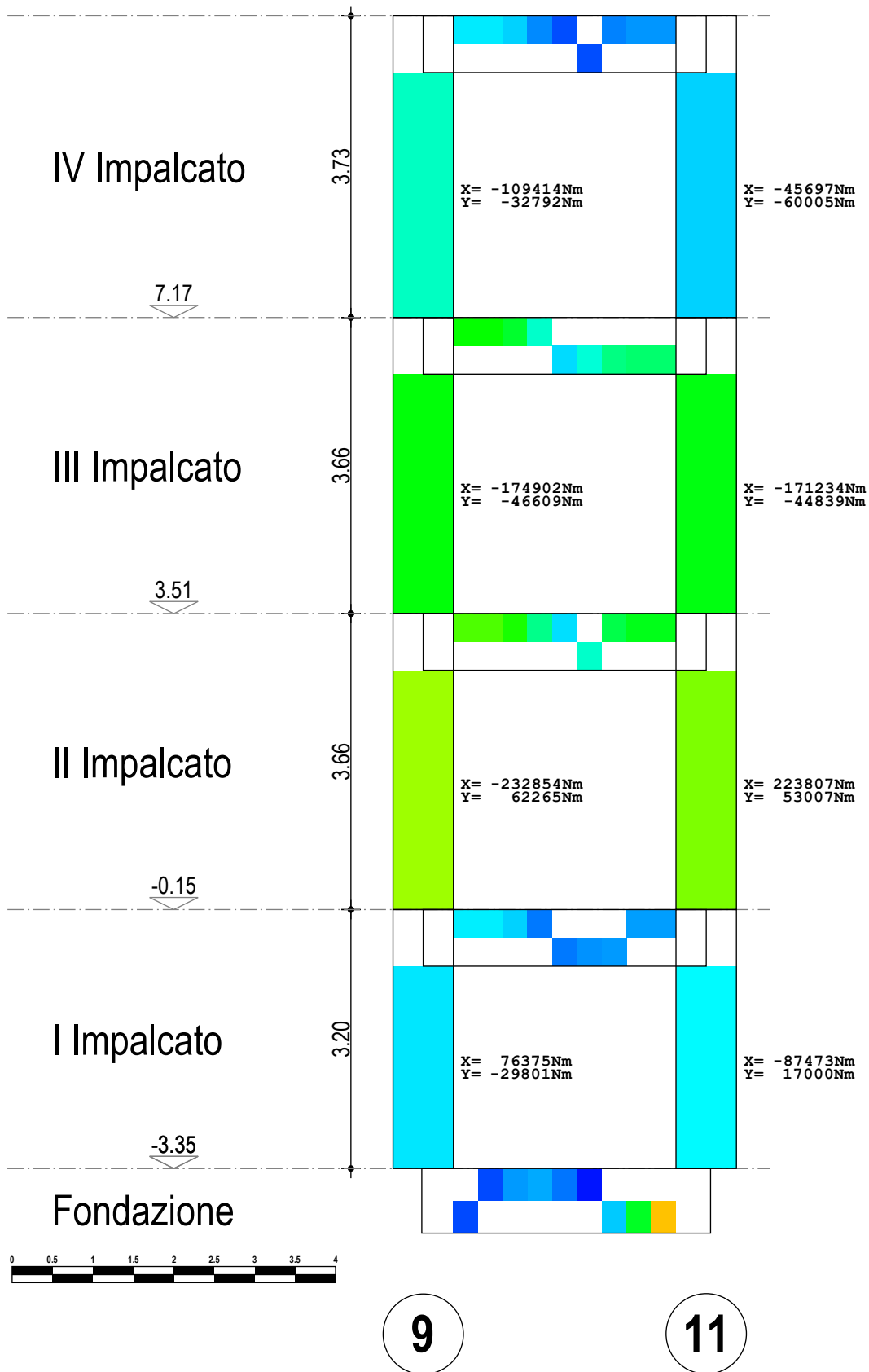
Telaio 7-8-9

SOLLECITAZIONI FLESSIONALI



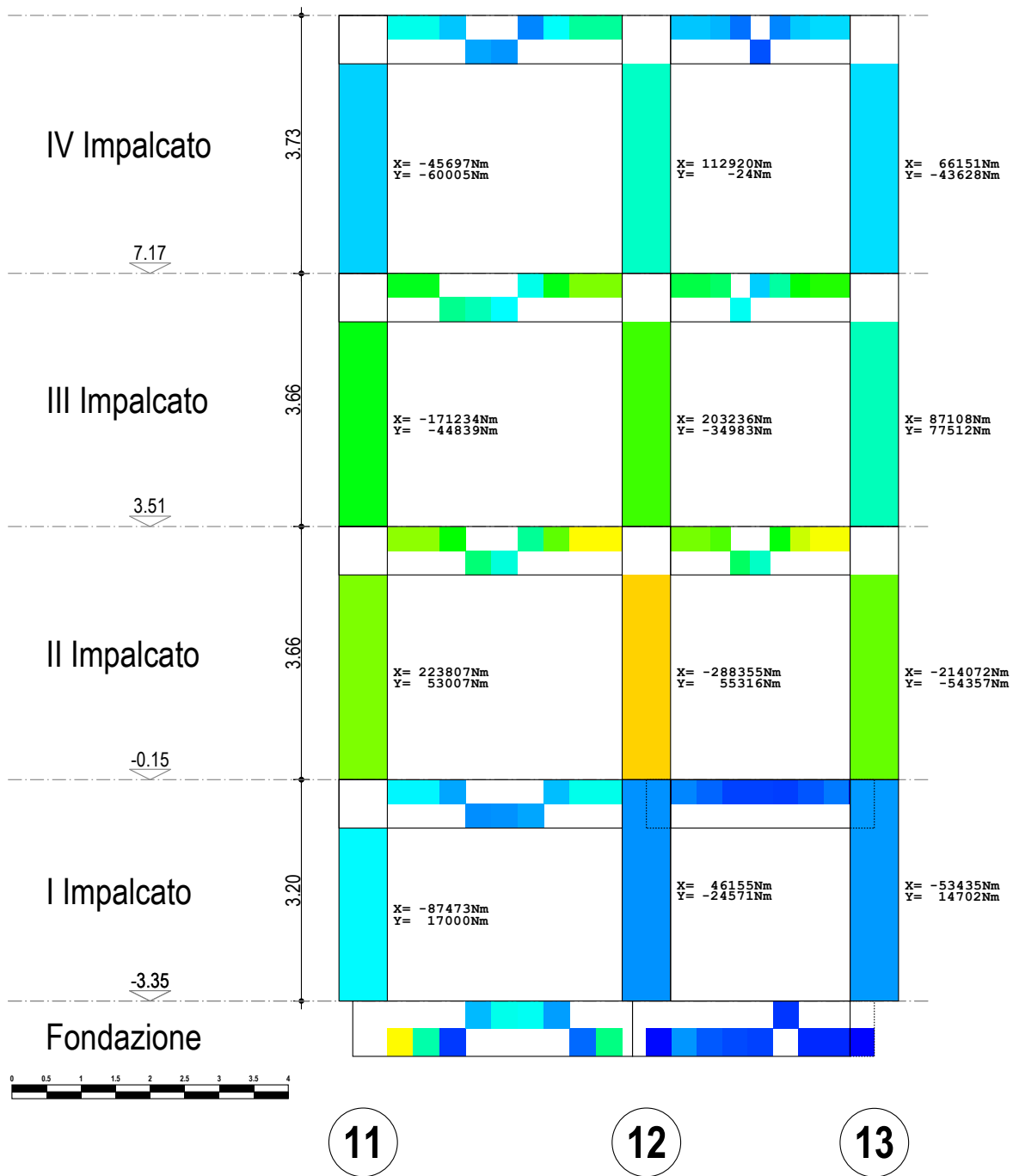
Telaio 9-11

SOLLECITAZIONI FLESSIONALI



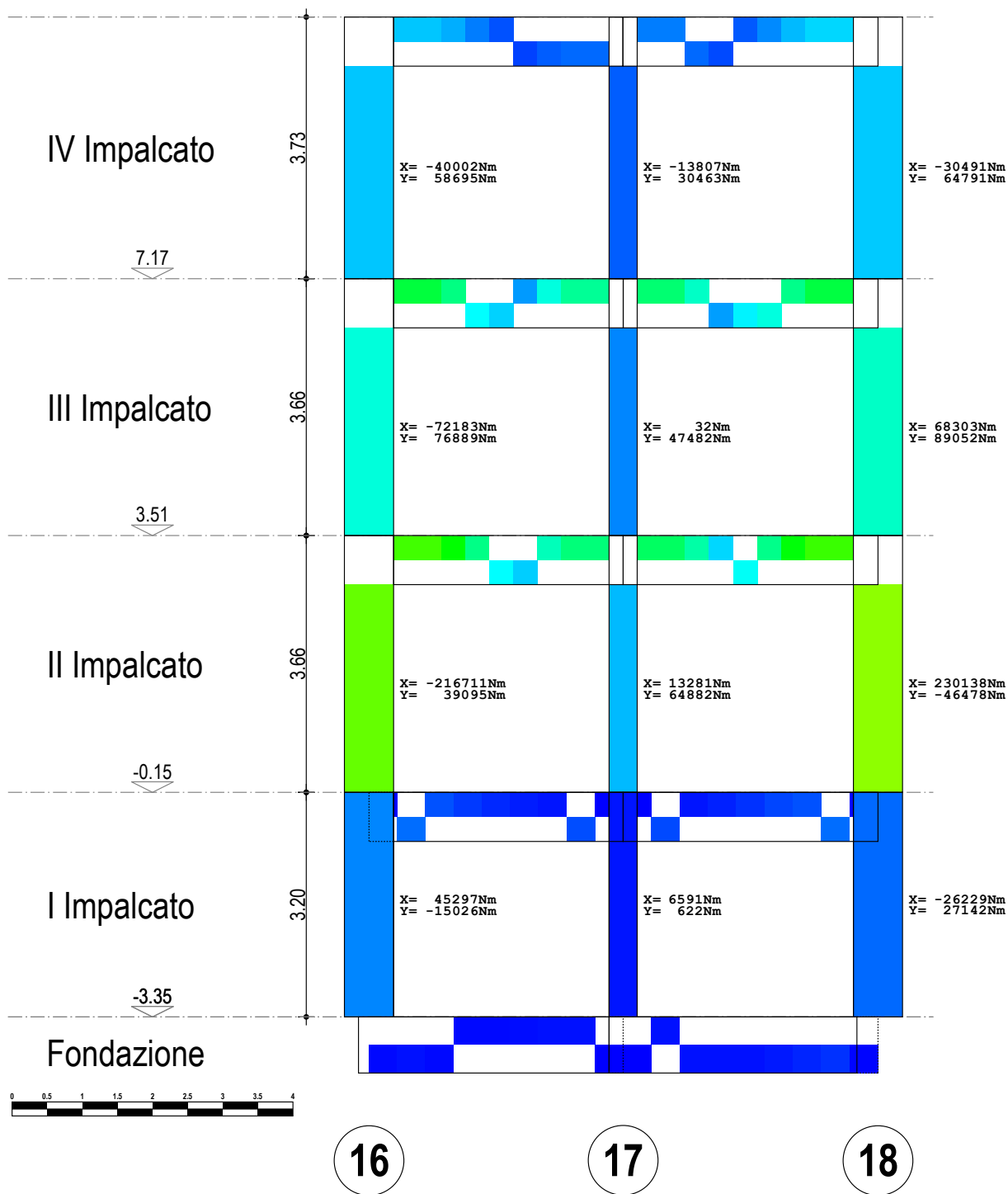
Telaio 11-12-13

SOLLECITAZIONI FLESSIONALI



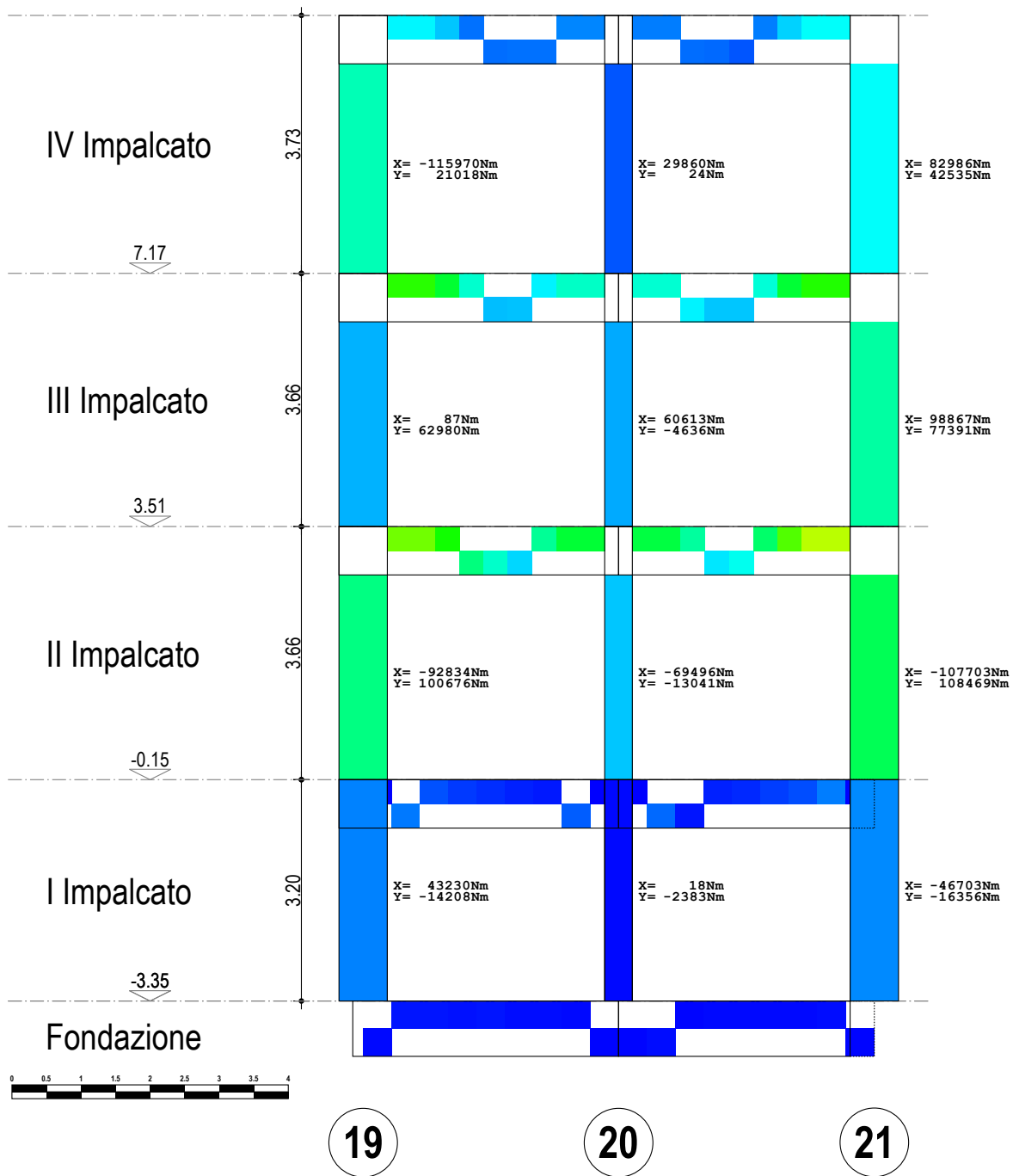
Telaio 16-17-18

SOLLECITAZIONI FLESSIONALI



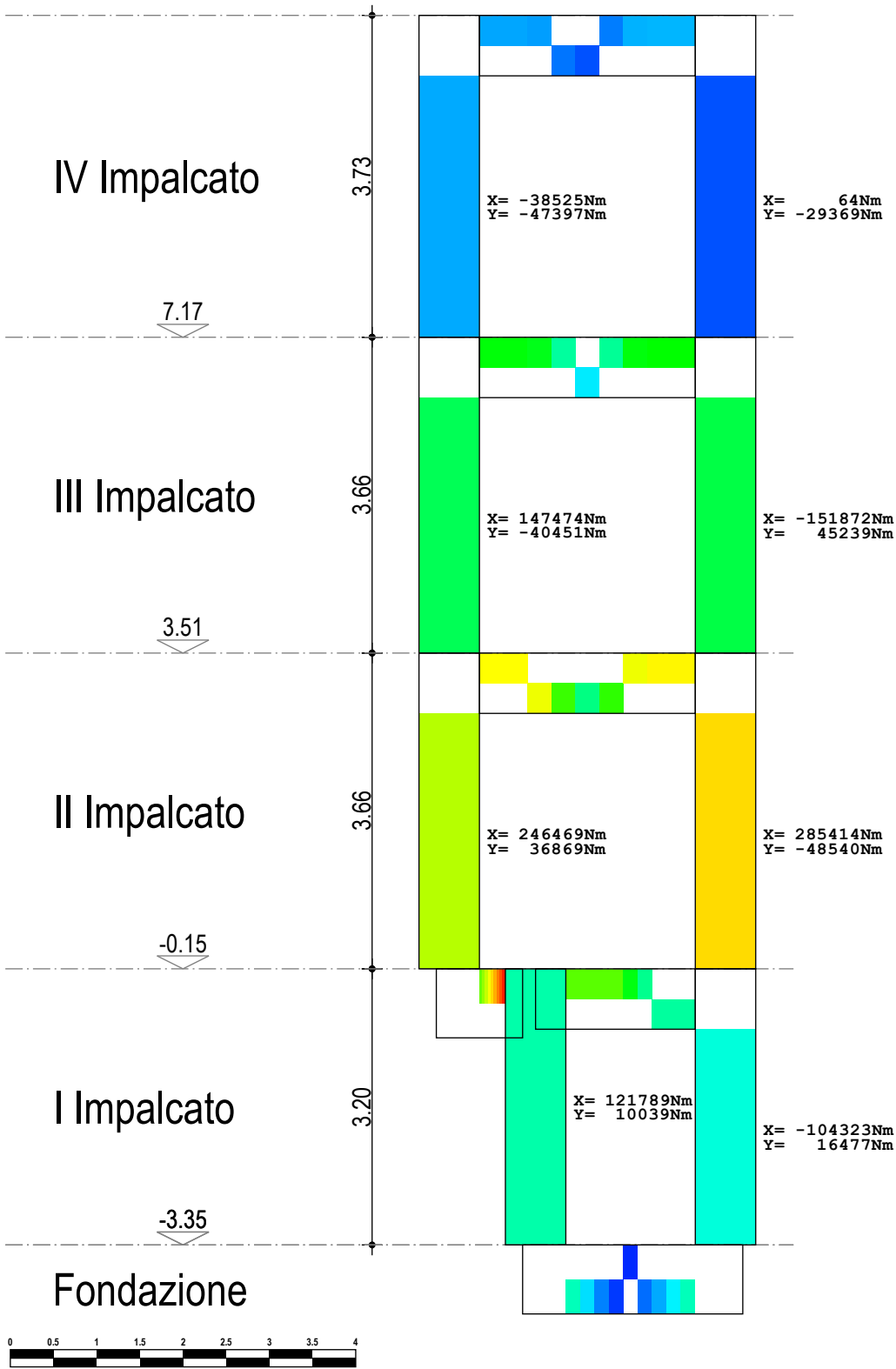
Telaio 19-20-21

SOLLECITAZIONI FLESSIONALI



Telaio 1-4-8

SOLLECITAZIONI FLESSIONALI



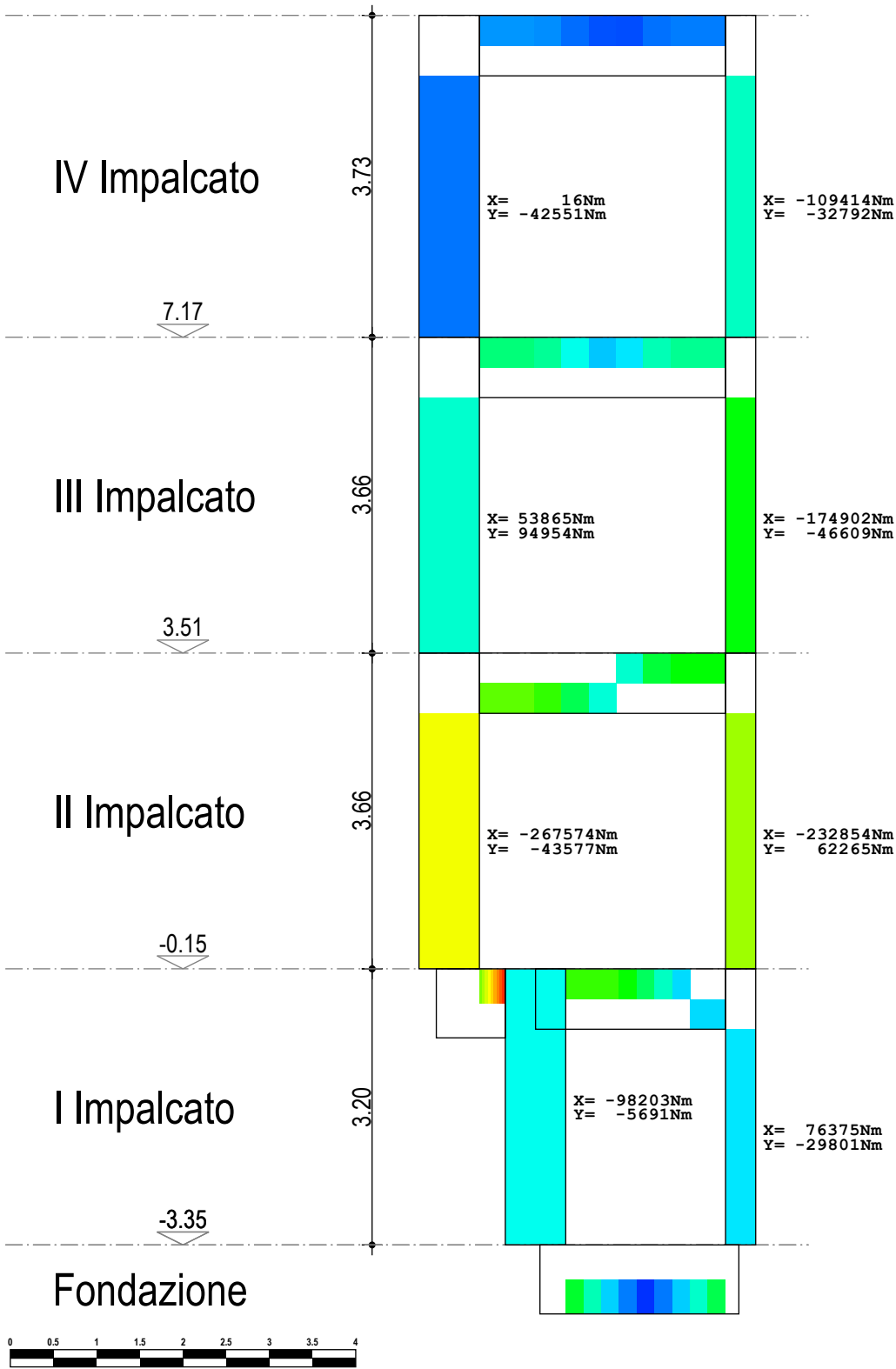
1

4

8

Telaio 2-5-9

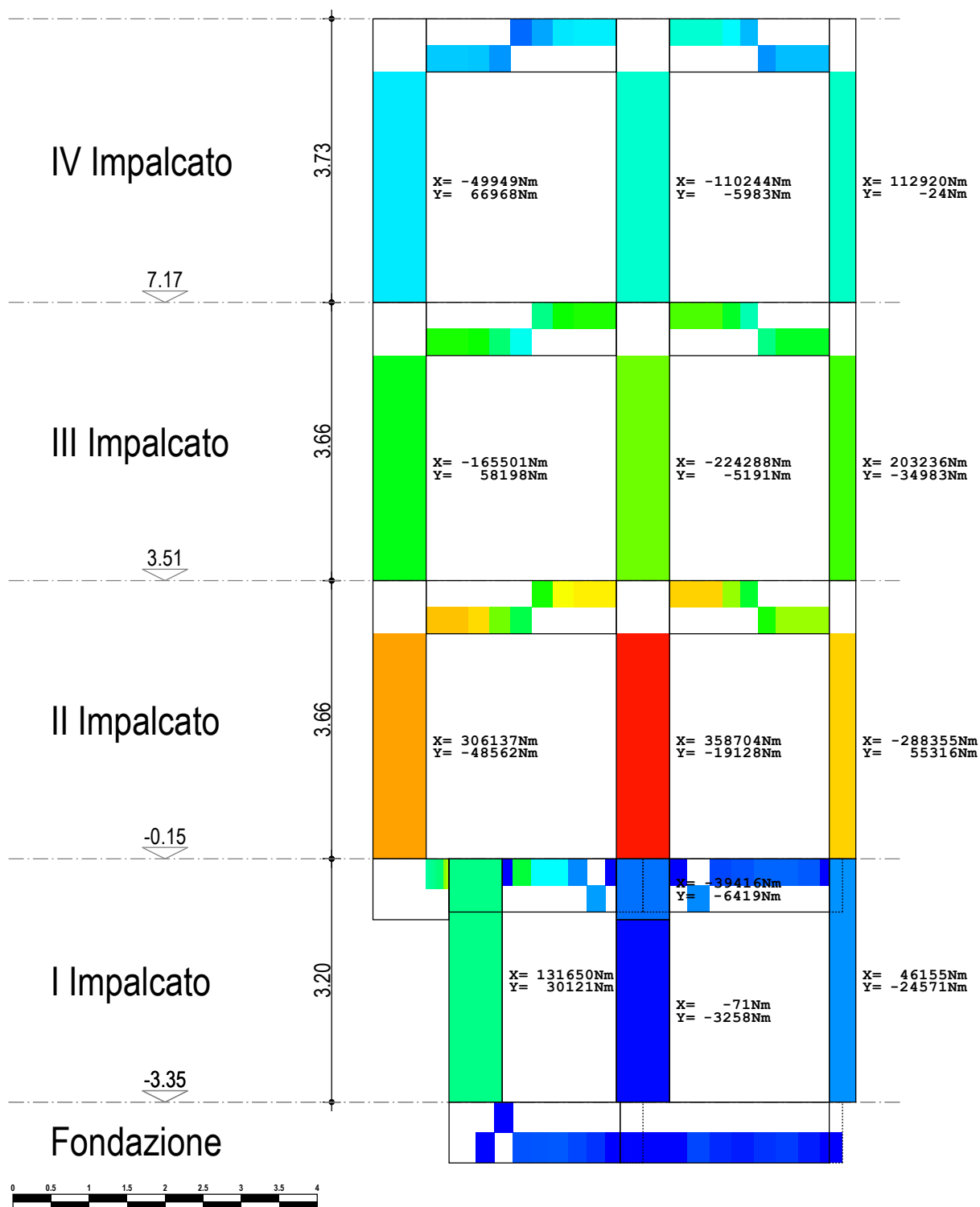
SOLLECITAZIONI FLESSIONALI



2 5 9

Telaio 3-6-10-12

SOLLECITAZIONI FLESSIONALI



3

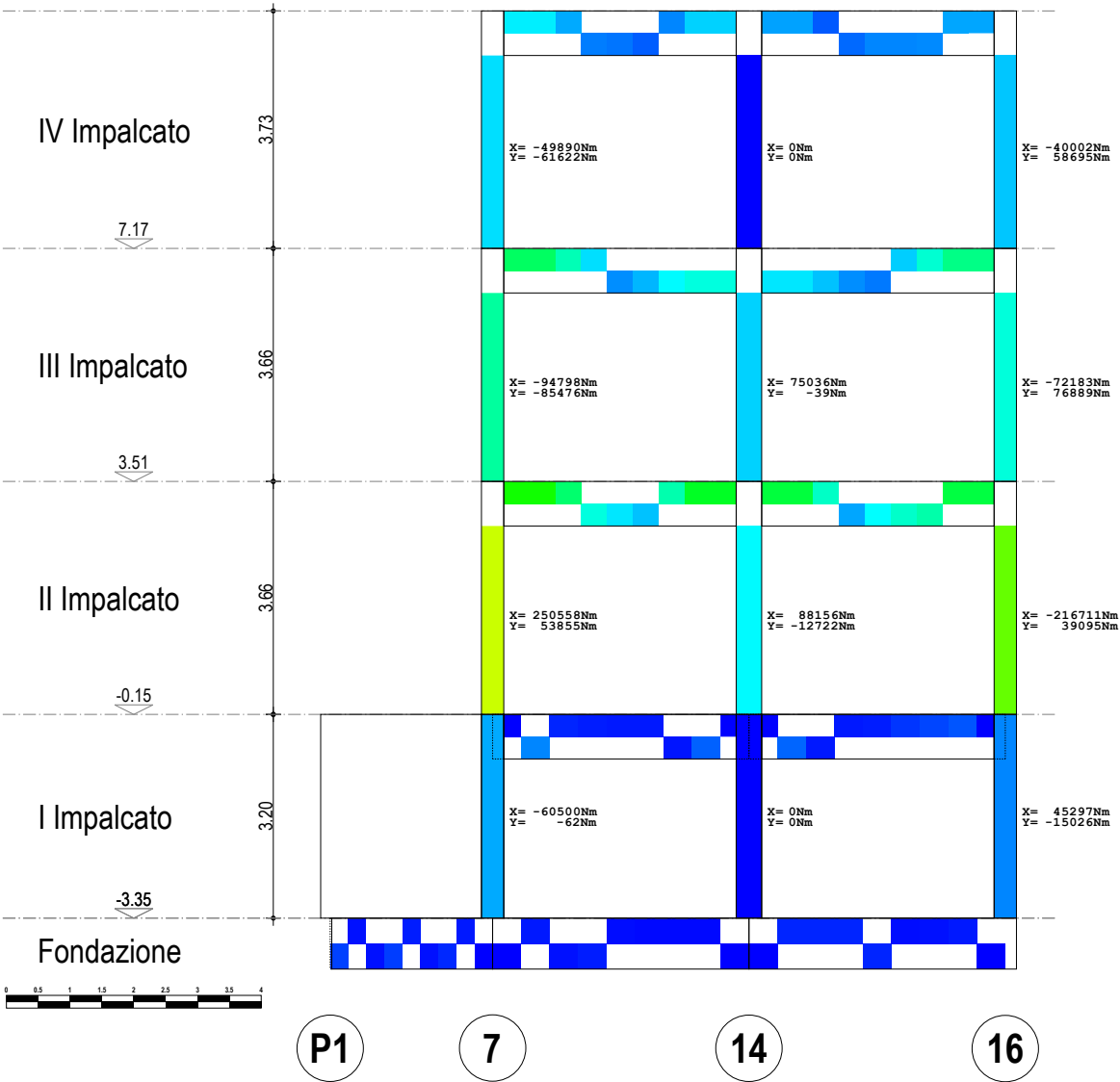
6

10

12

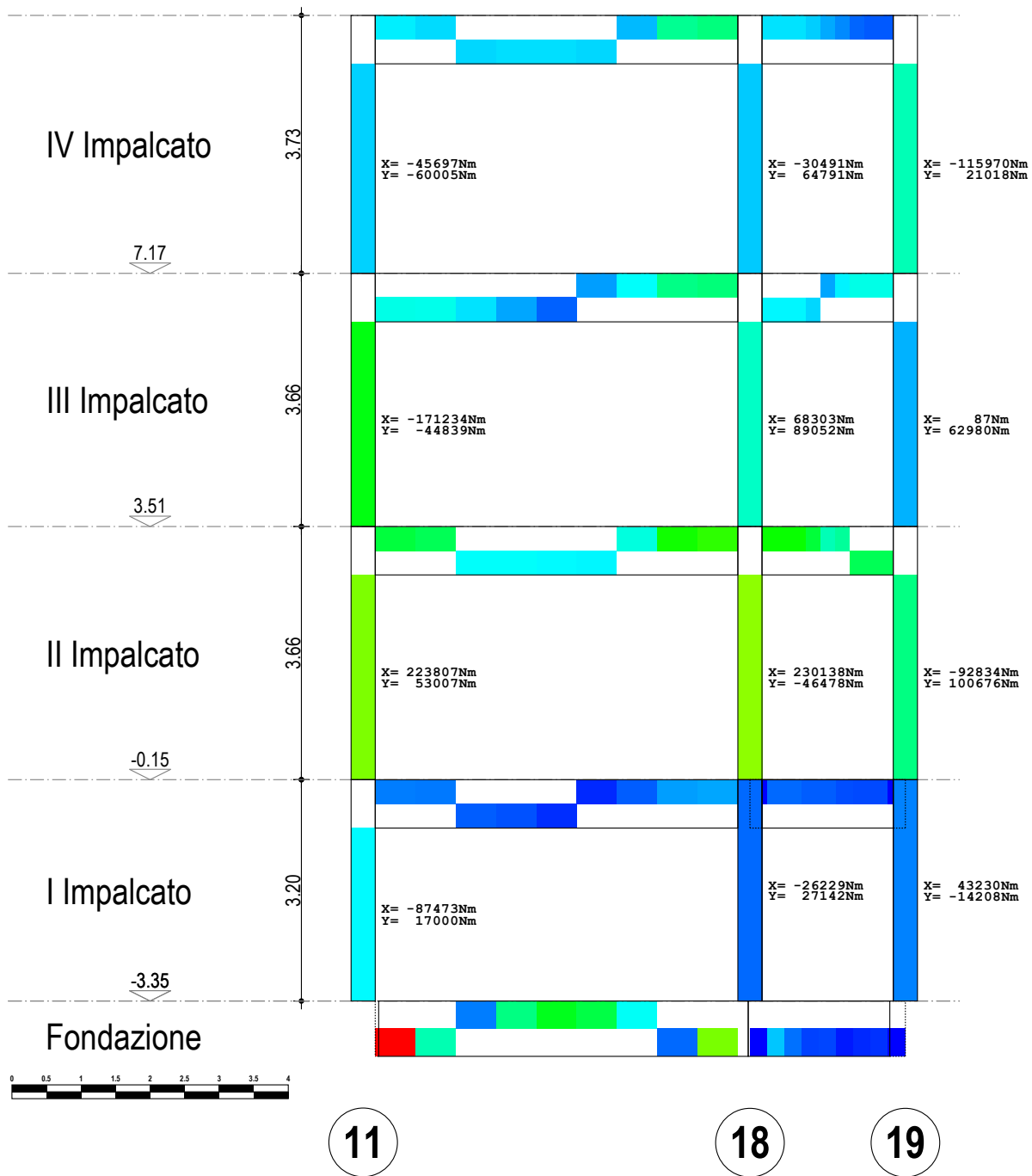
Telaio P1-7-14-16

SOLLECITAZIONI FLESSIONALI



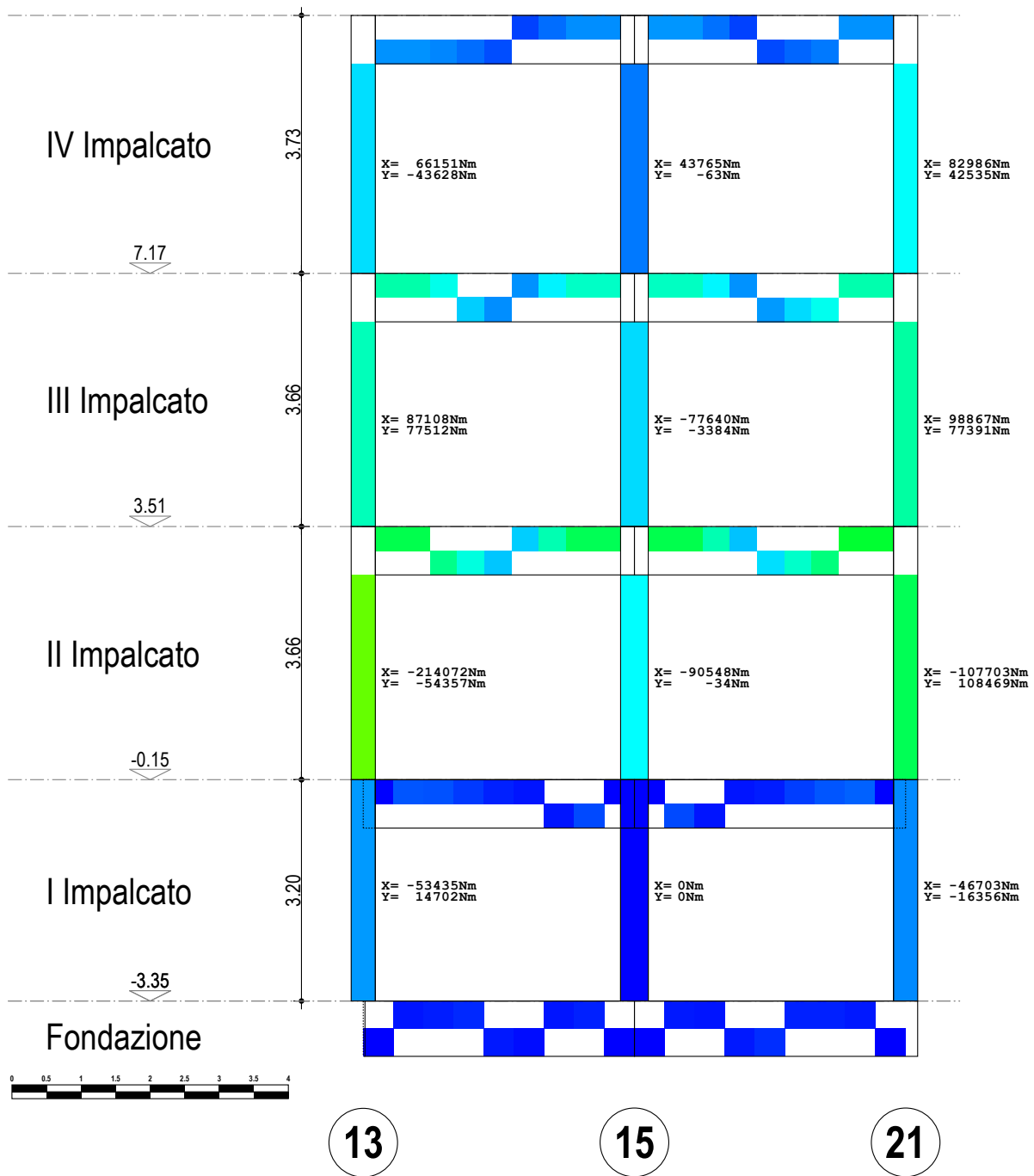
Telaio 11-18-19

SOLLECITAZIONI FLESSIONALI



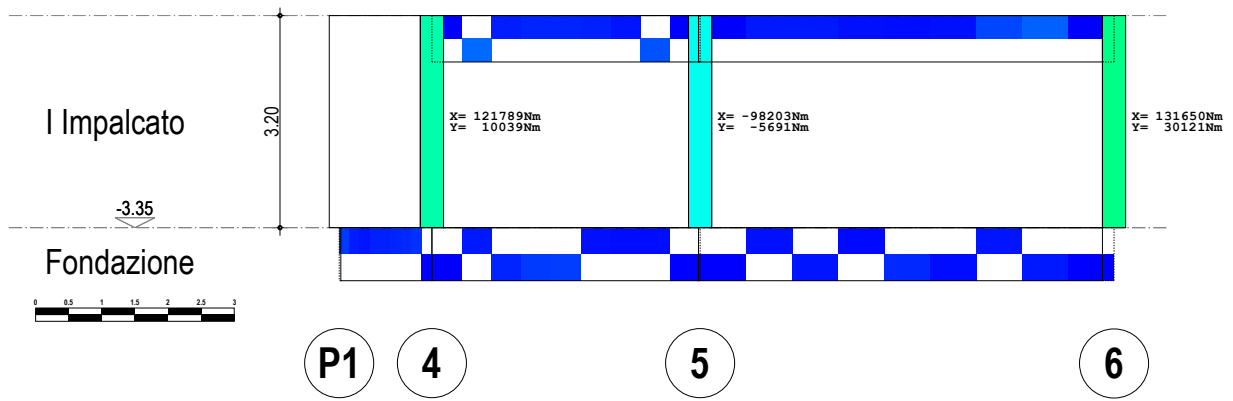
Telaio 13-15-21

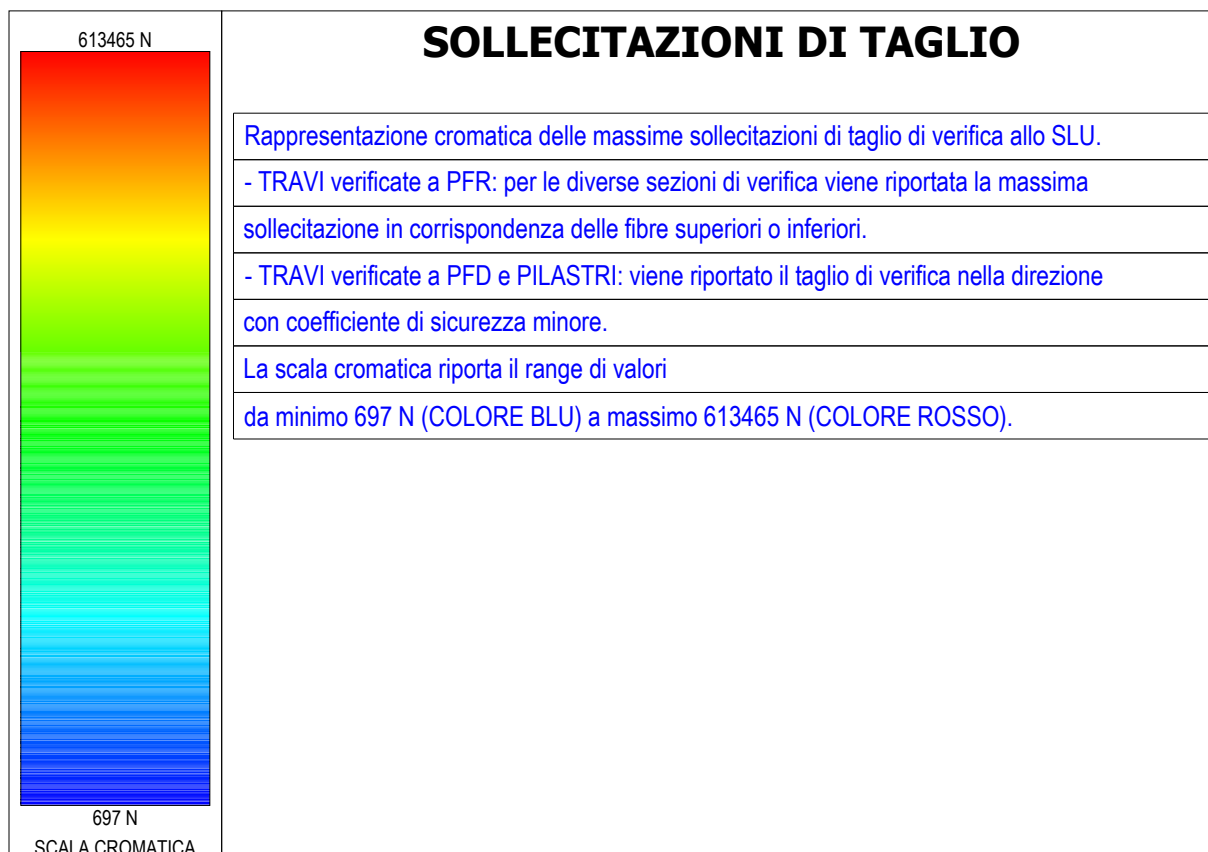
SOLLECITAZIONI FLESSIONALI



Telaio P1-4-5-6

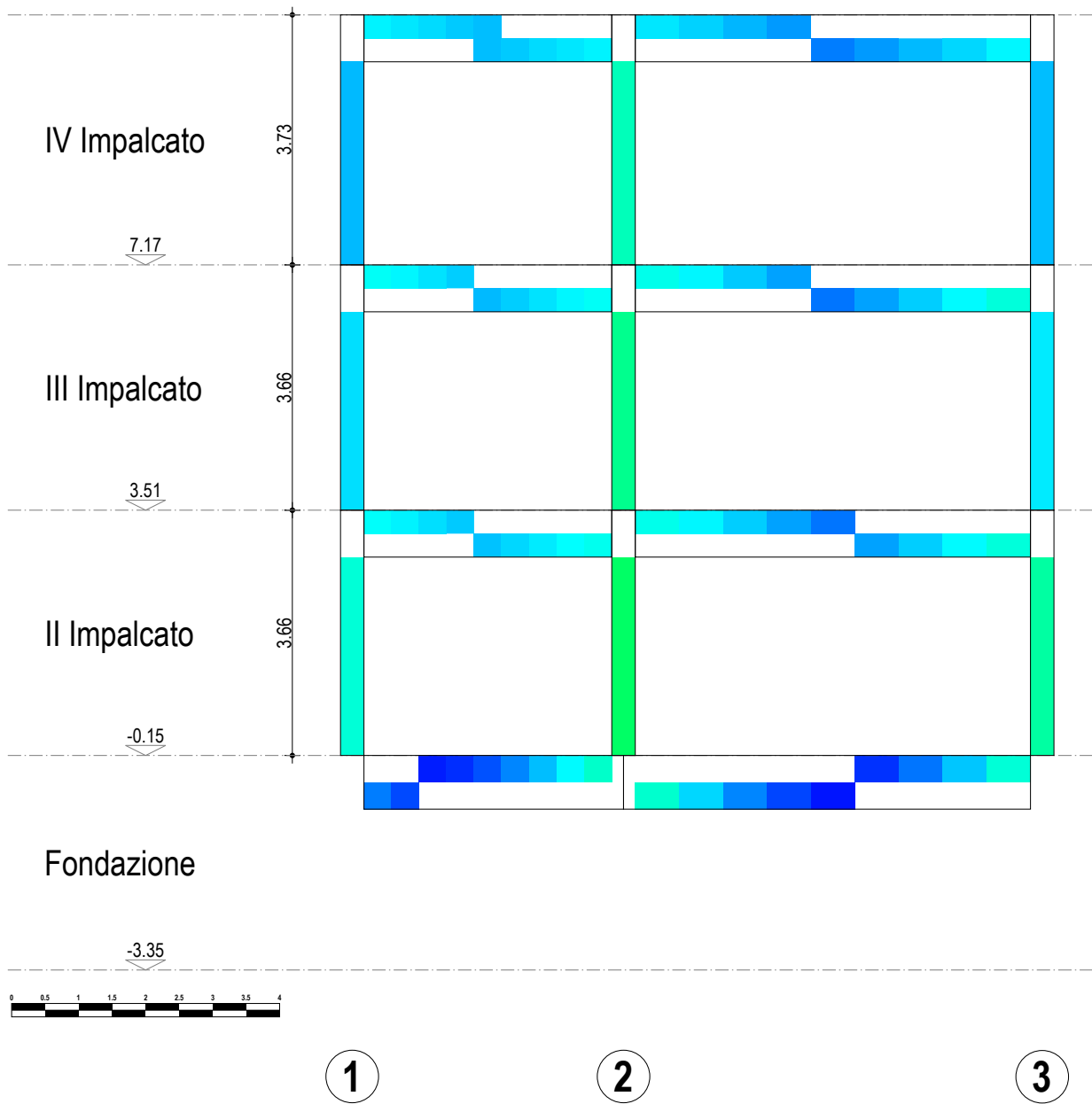
SOLLECITAZIONI FLESSIONALI





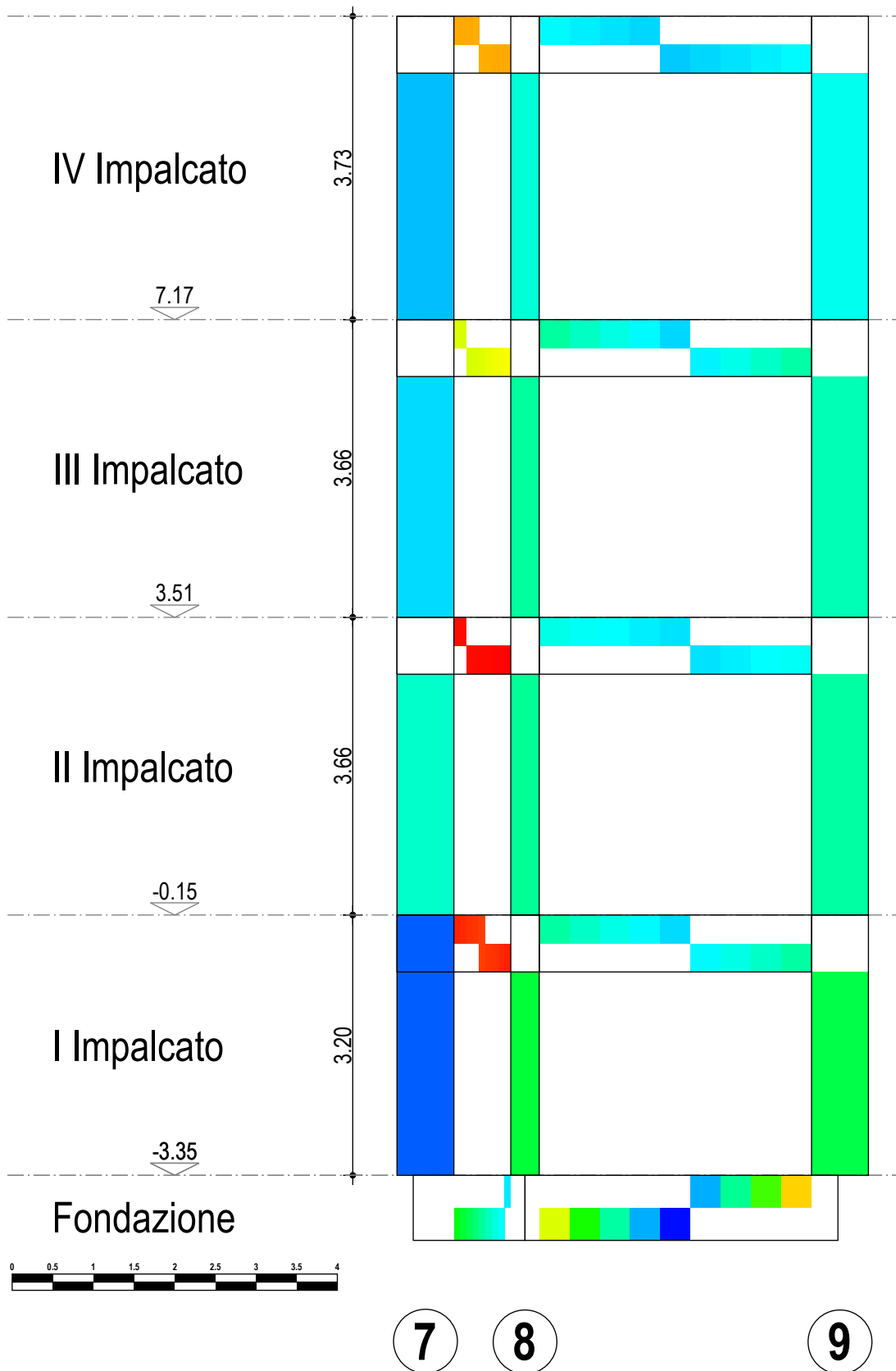
Telaio 1-2-3

SOLLECITAZIONI DI TAGLIO



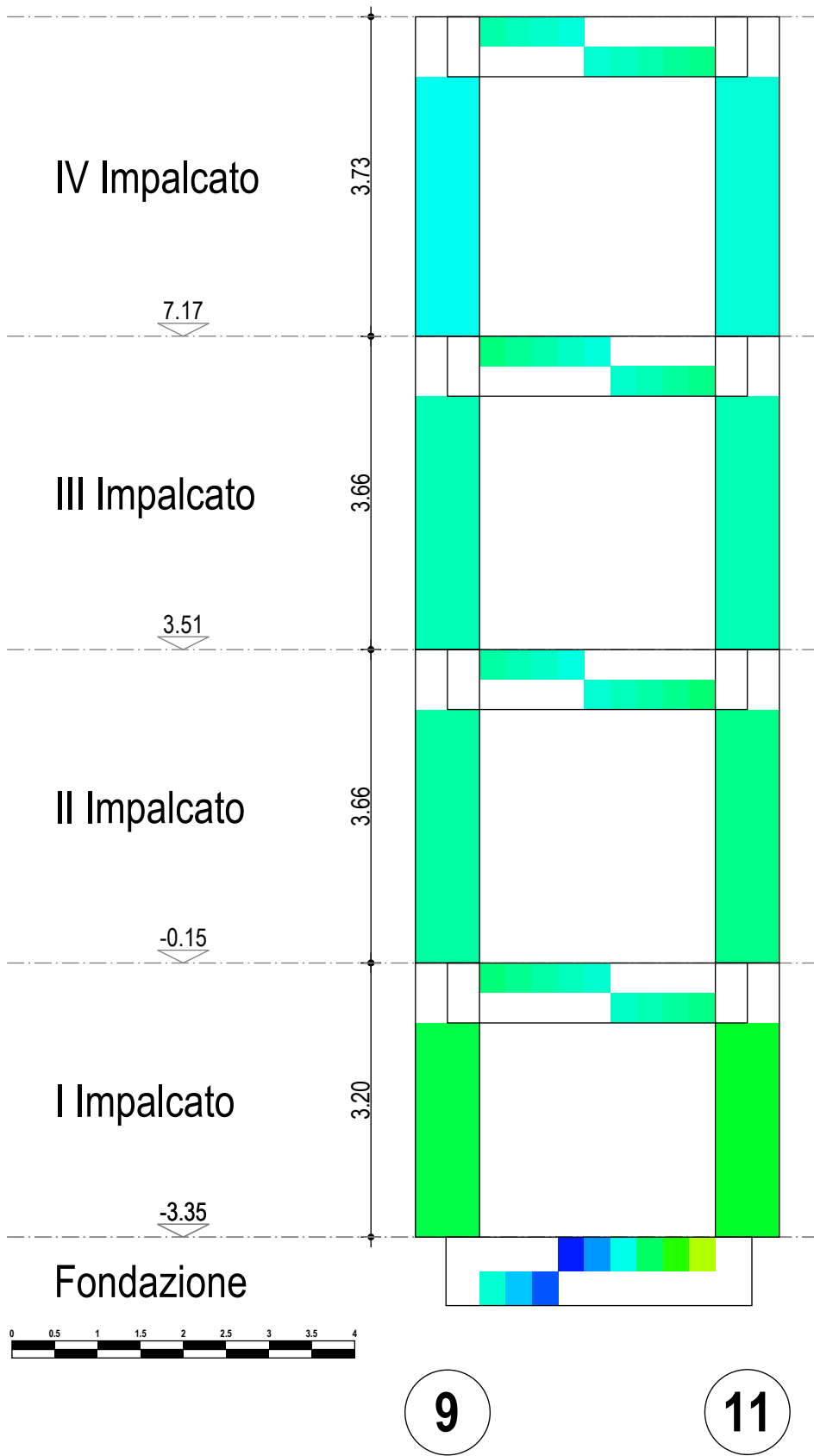
Telaio 7-8-9

SOLLECITAZIONI DI TAGLIO



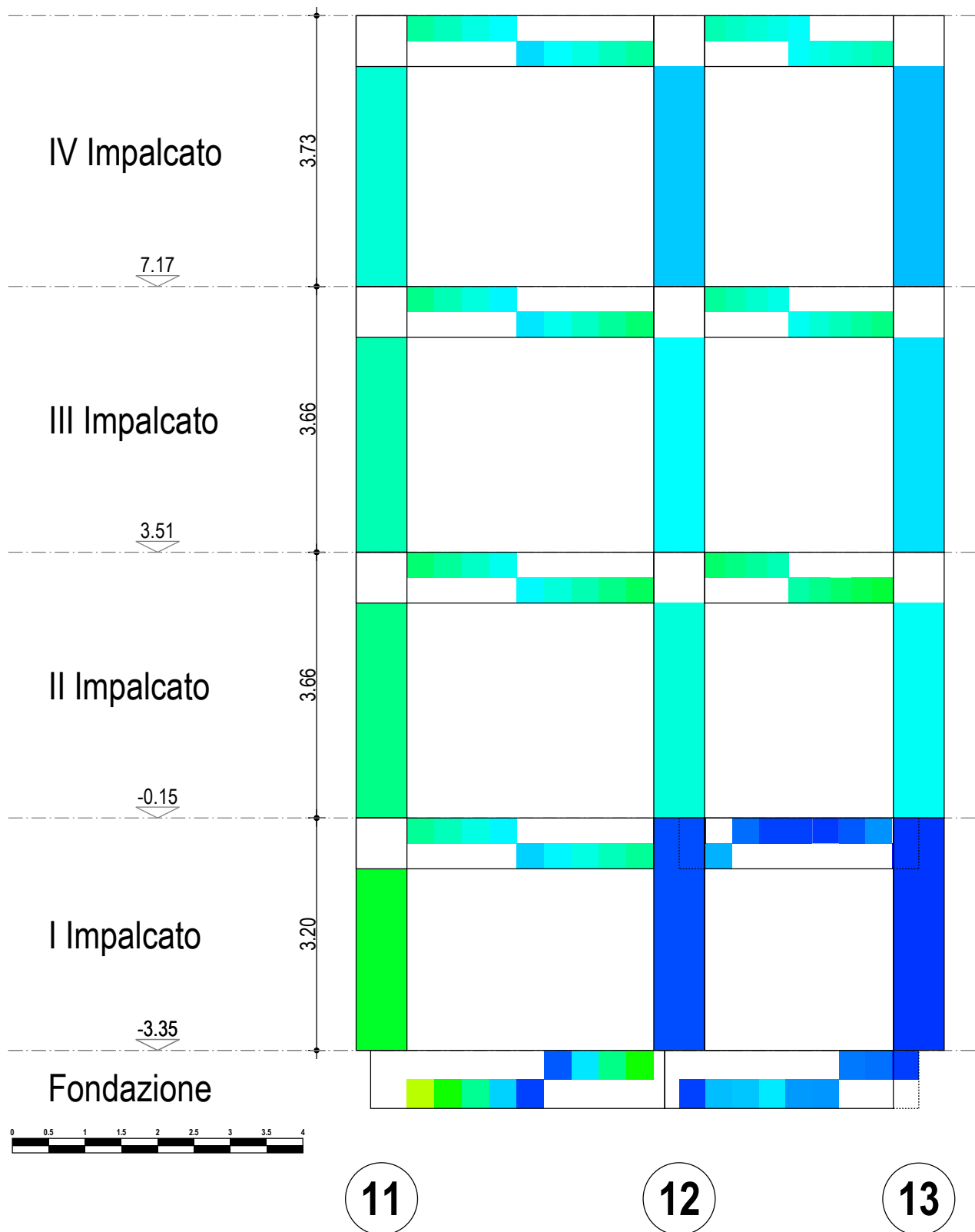
Telaio 9-11

SOLLECITAZIONI DI TAGLIO



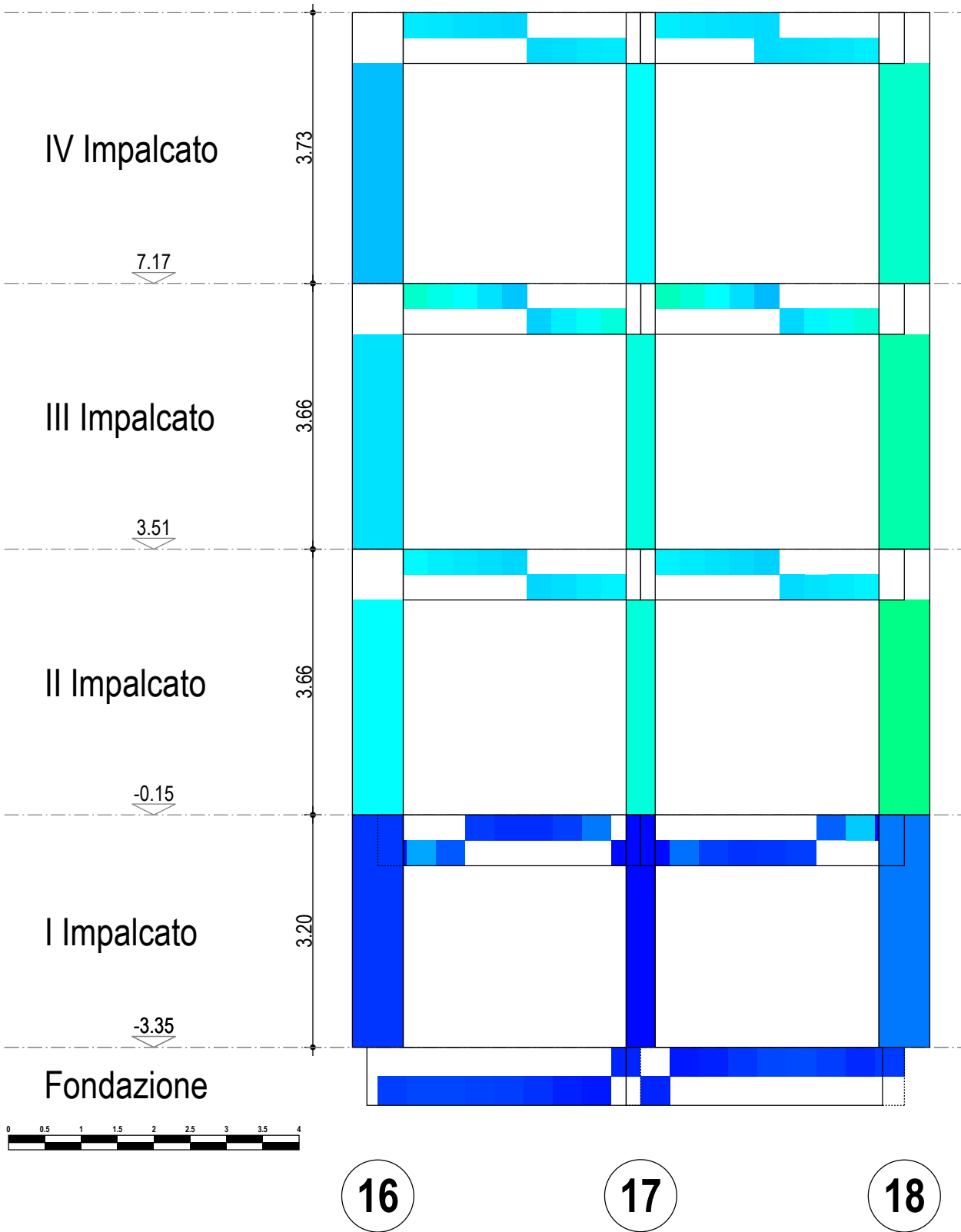
Telaio 11-12-13

SOLLECITAZIONI DI TAGLIO



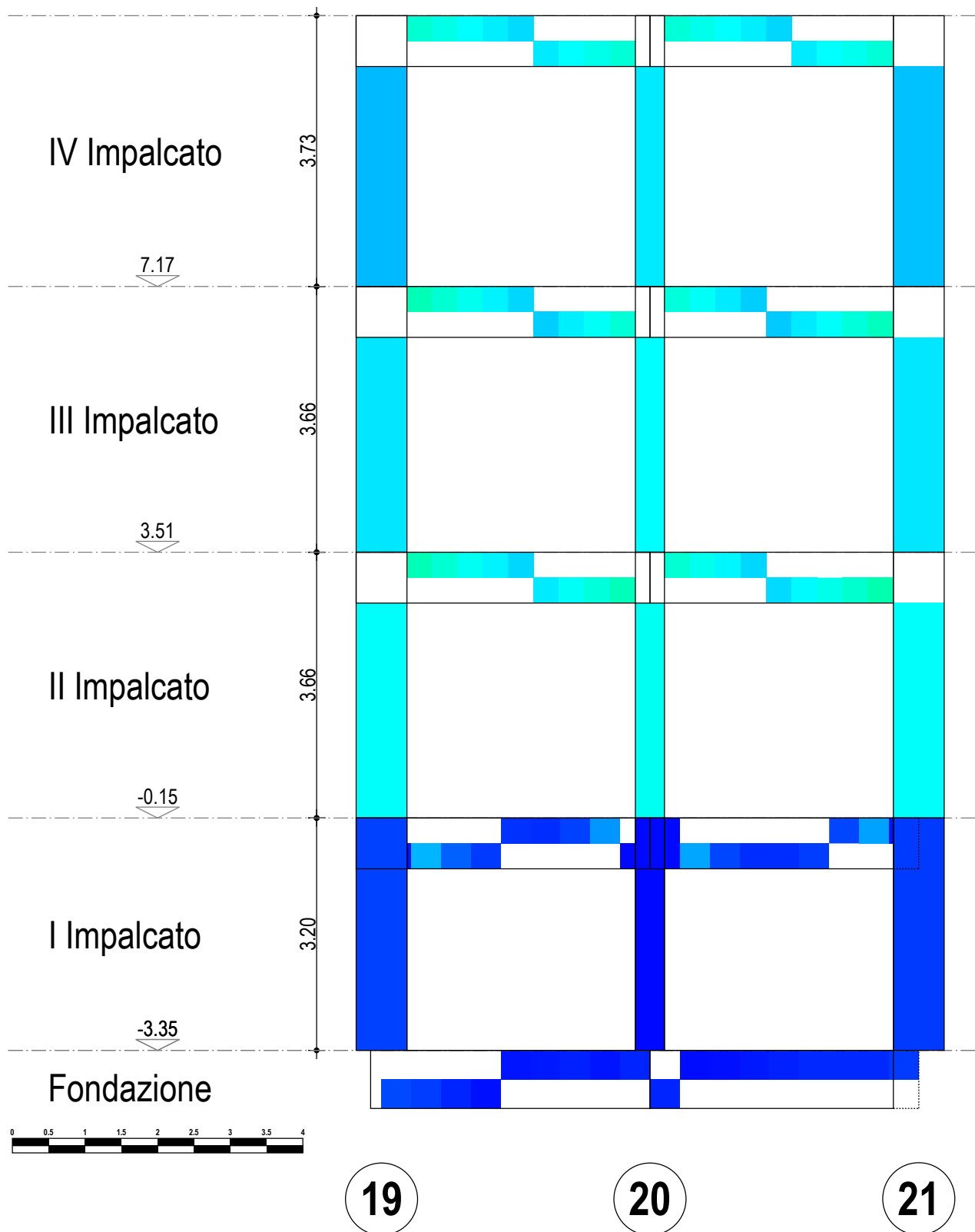
Telaio 16-17-18

SOLLECITAZIONI DI TAGLIO



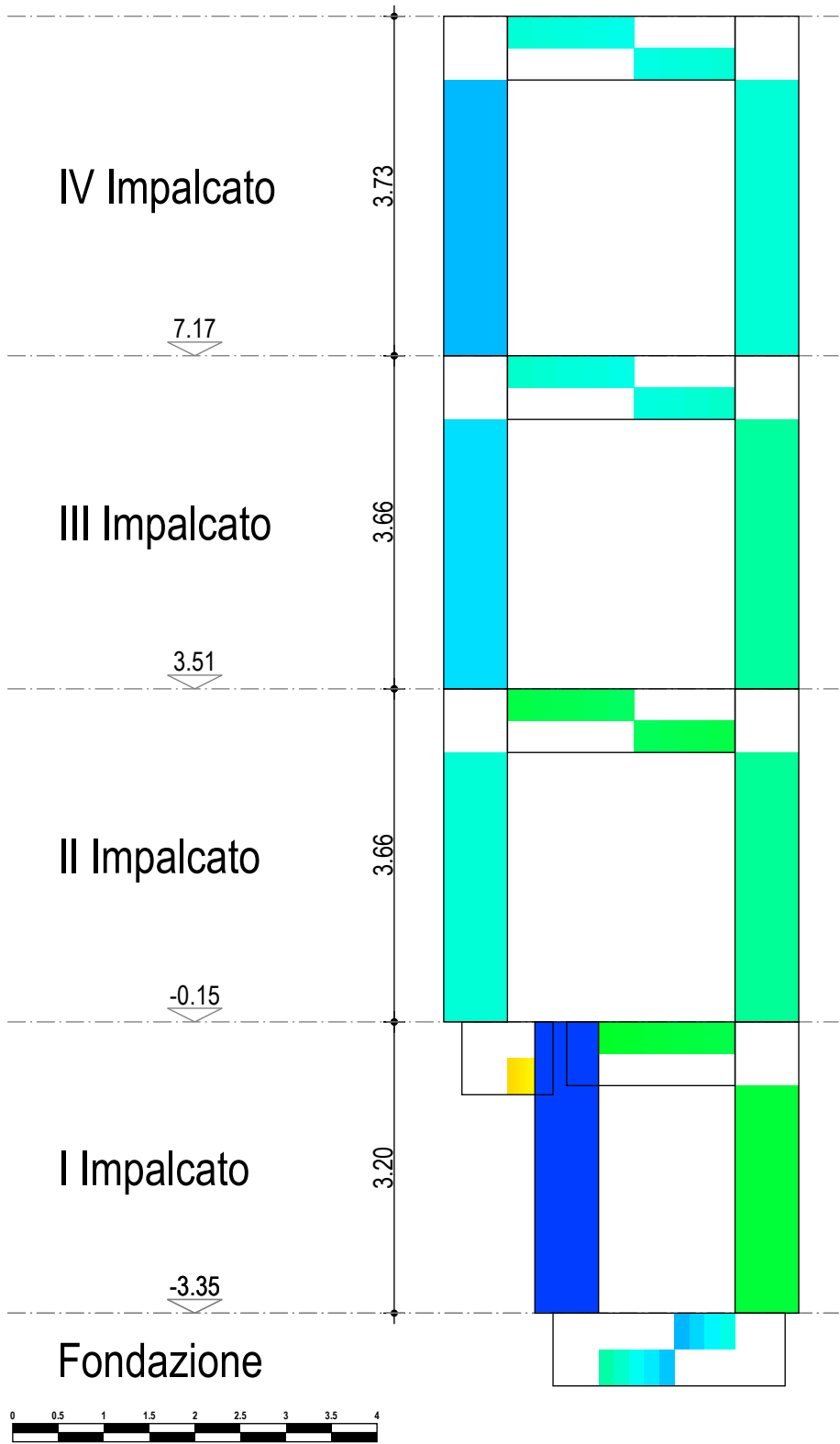
Telaio 19-20-21

SOLLECITAZIONI DI TAGLIO



Telaio 1-4-8

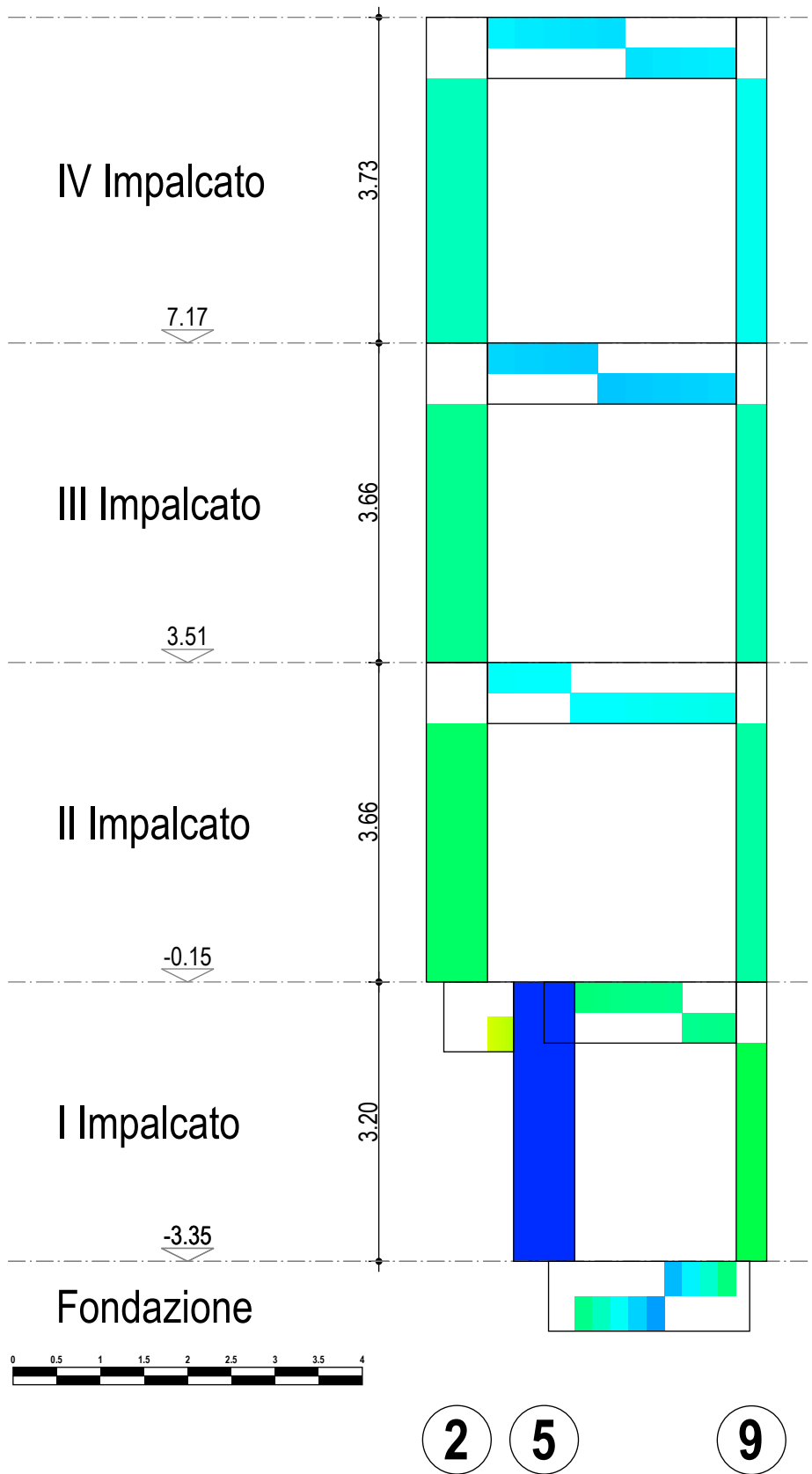
SOLLECITAZIONI DI TAGLIO



1 4 8

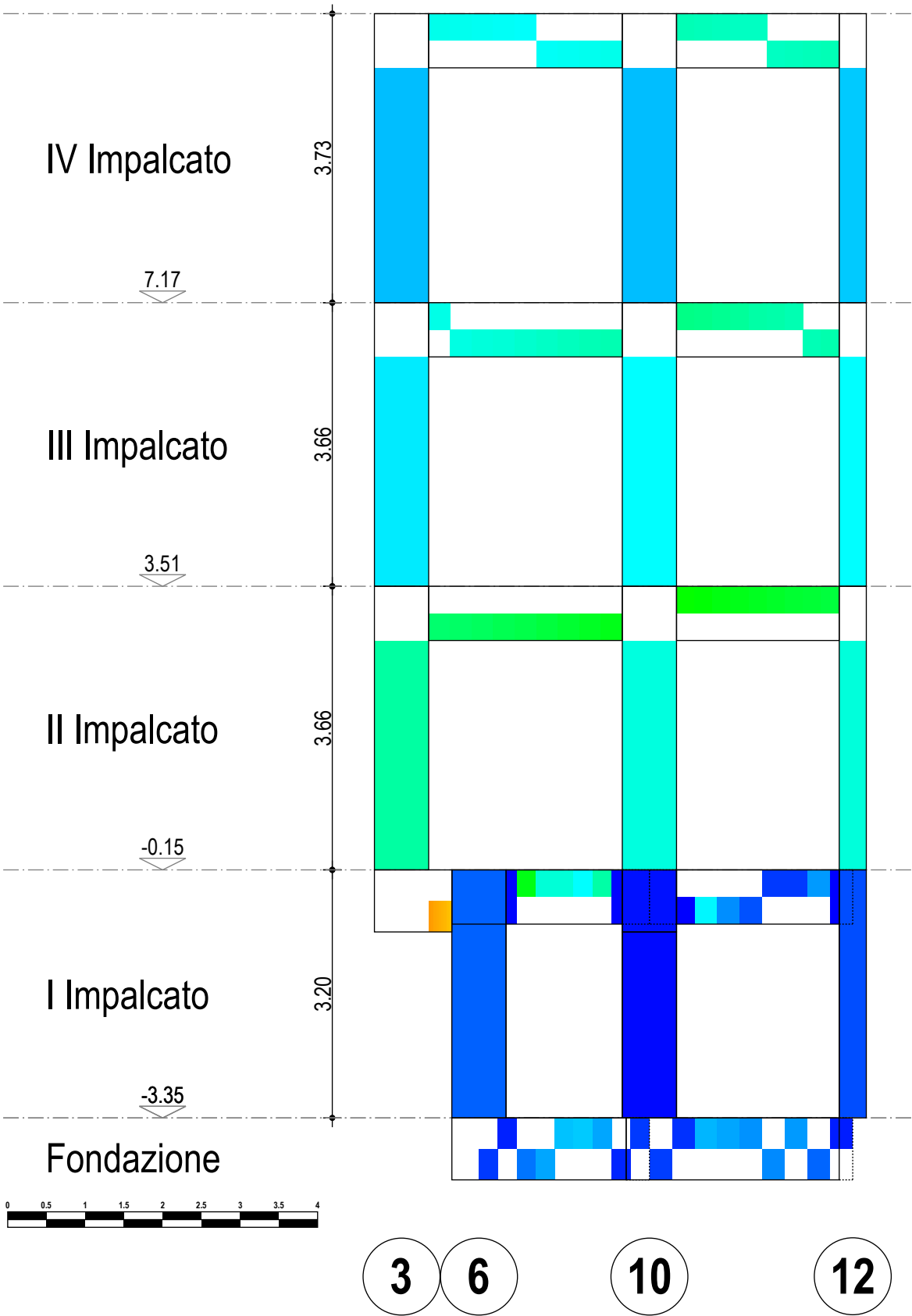
Telaio 2-5-9

SOLLECITAZIONI DI TAGLIO



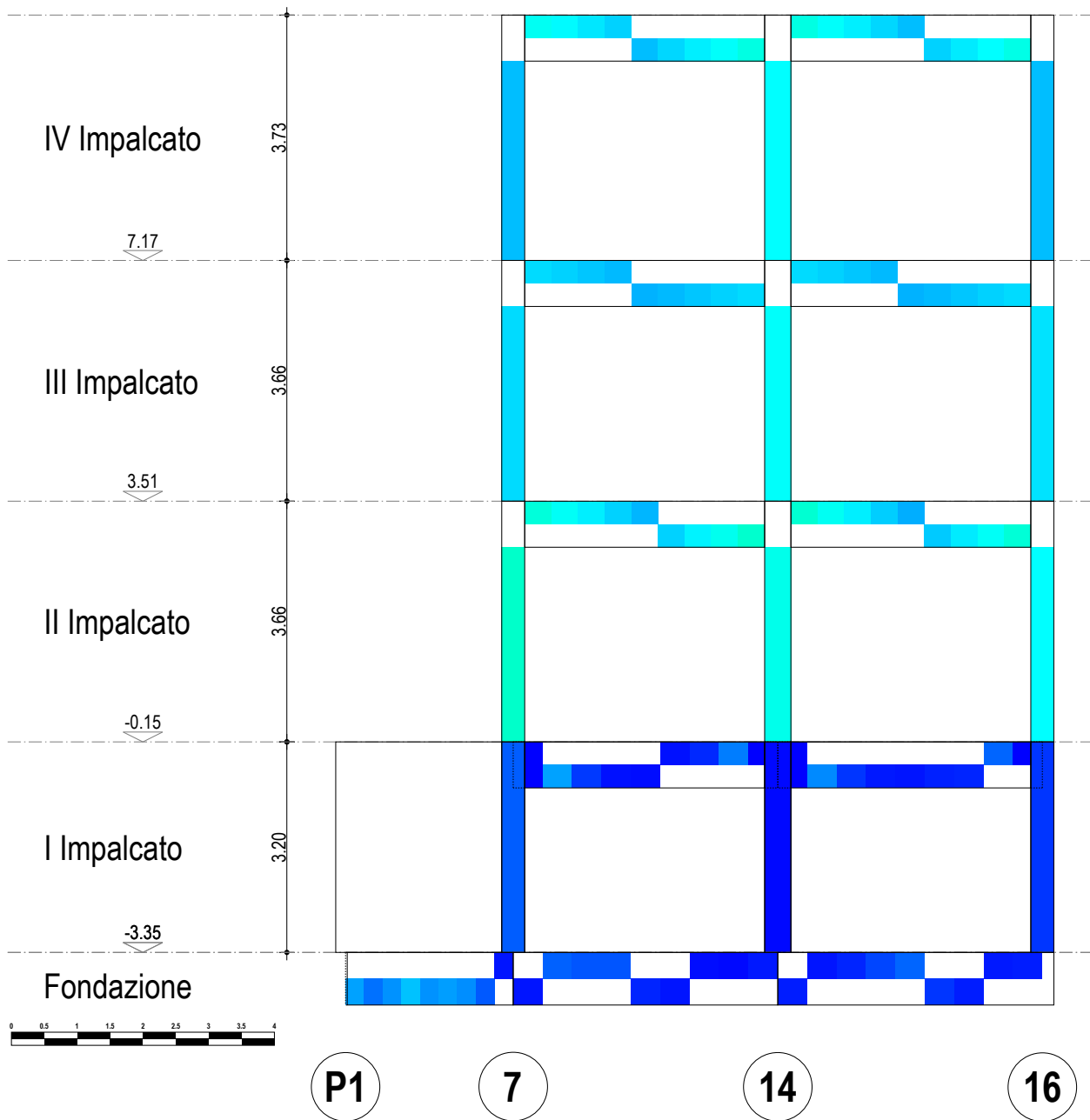
Telaio 3-6-10-12

SOLLECITAZIONI DI TAGLIO



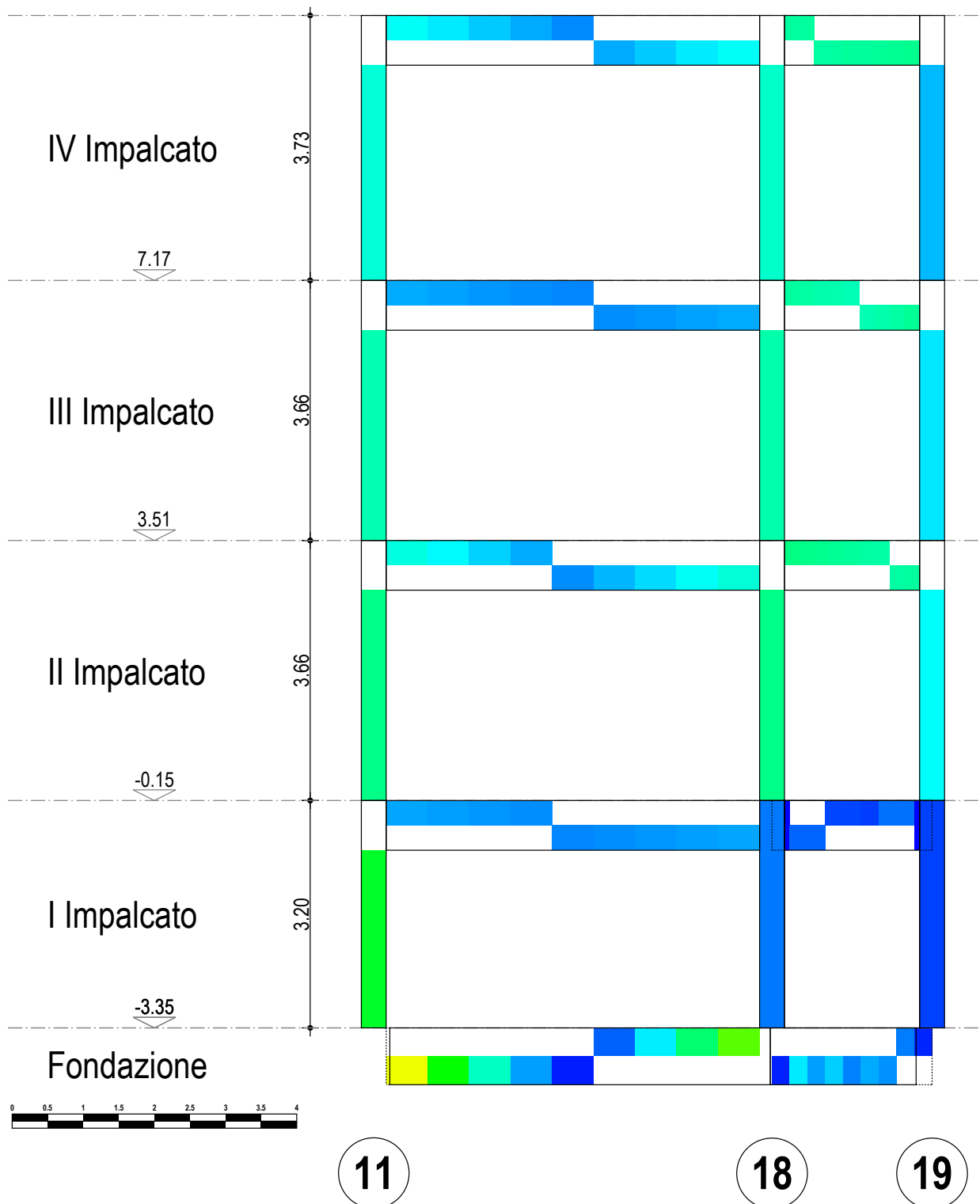
Telaio P1-7-14-16

SOLLECITAZIONI DI TAGLIO



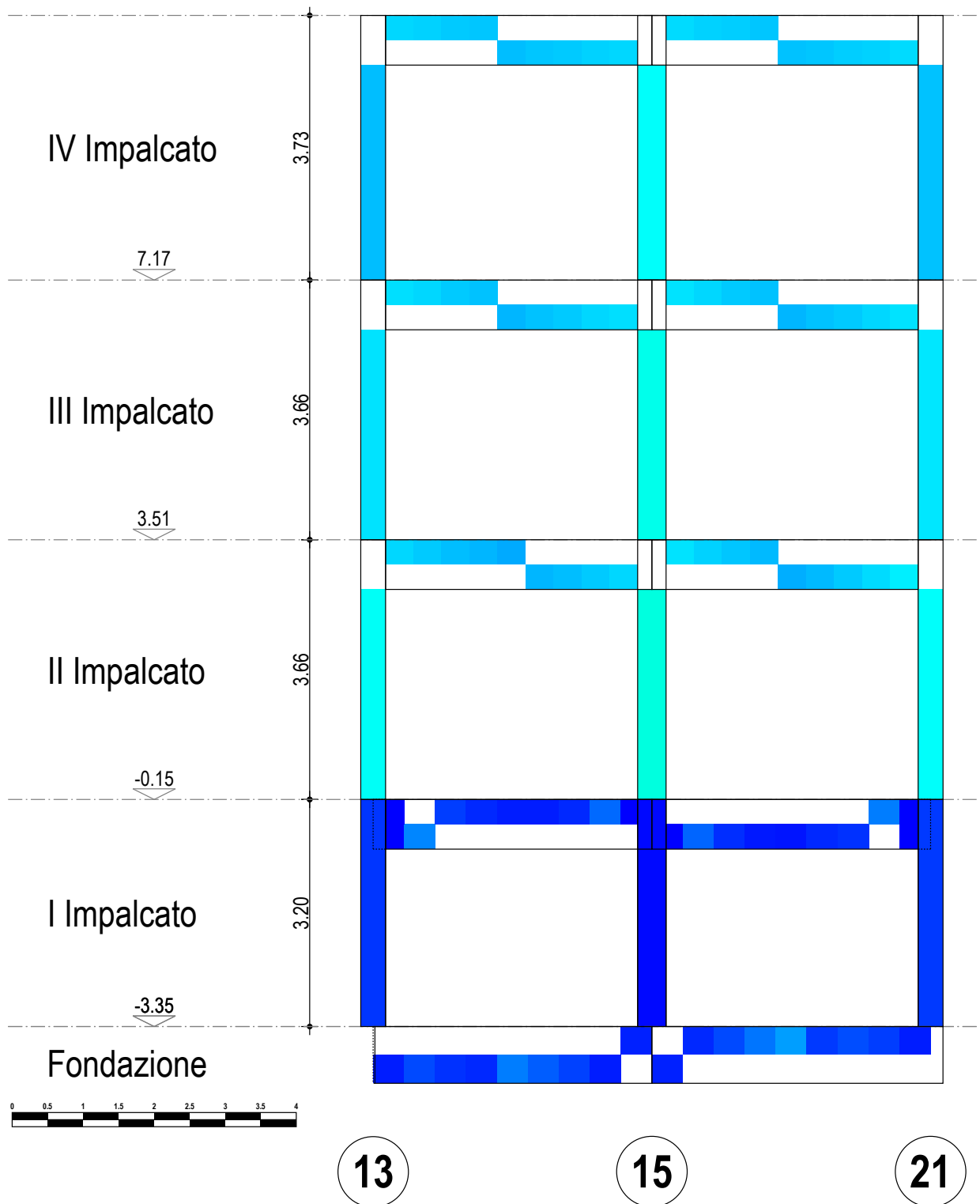
Telaio 11-18-19

SOLLECITAZIONI DI TAGLIO



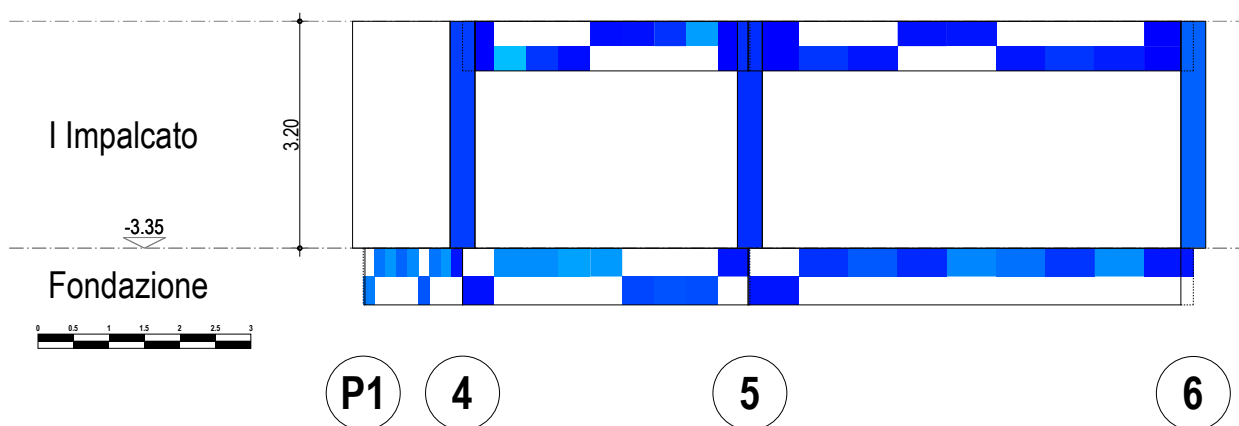
Telaio 13-15-21

SOLLECITAZIONI DI TAGLIO



Telaio P1-4-5-6

SOLLECITAZIONI DI TAGLIO



COEFFICIENTE DI SICUREZZA A FLESSIONE

Rappresentazione cromatica dei coefficienti di sicurezza nella verifica a flessione allo SLU:

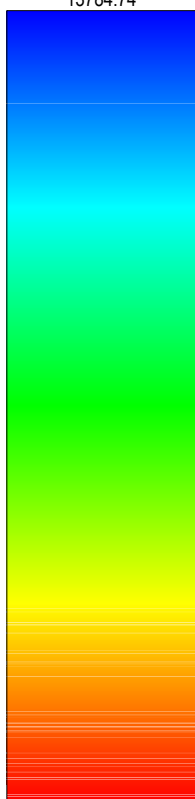
per le diverse sezioni di verifica viene riportato il coefficiente di sicurezza minimo.

La scala cromatica riporta il range di valori

da minimo 1.00 (COLORE ROSSO) a massimo 13784.74 (COLORE BLU).

NS = Non significativo.

13784.74

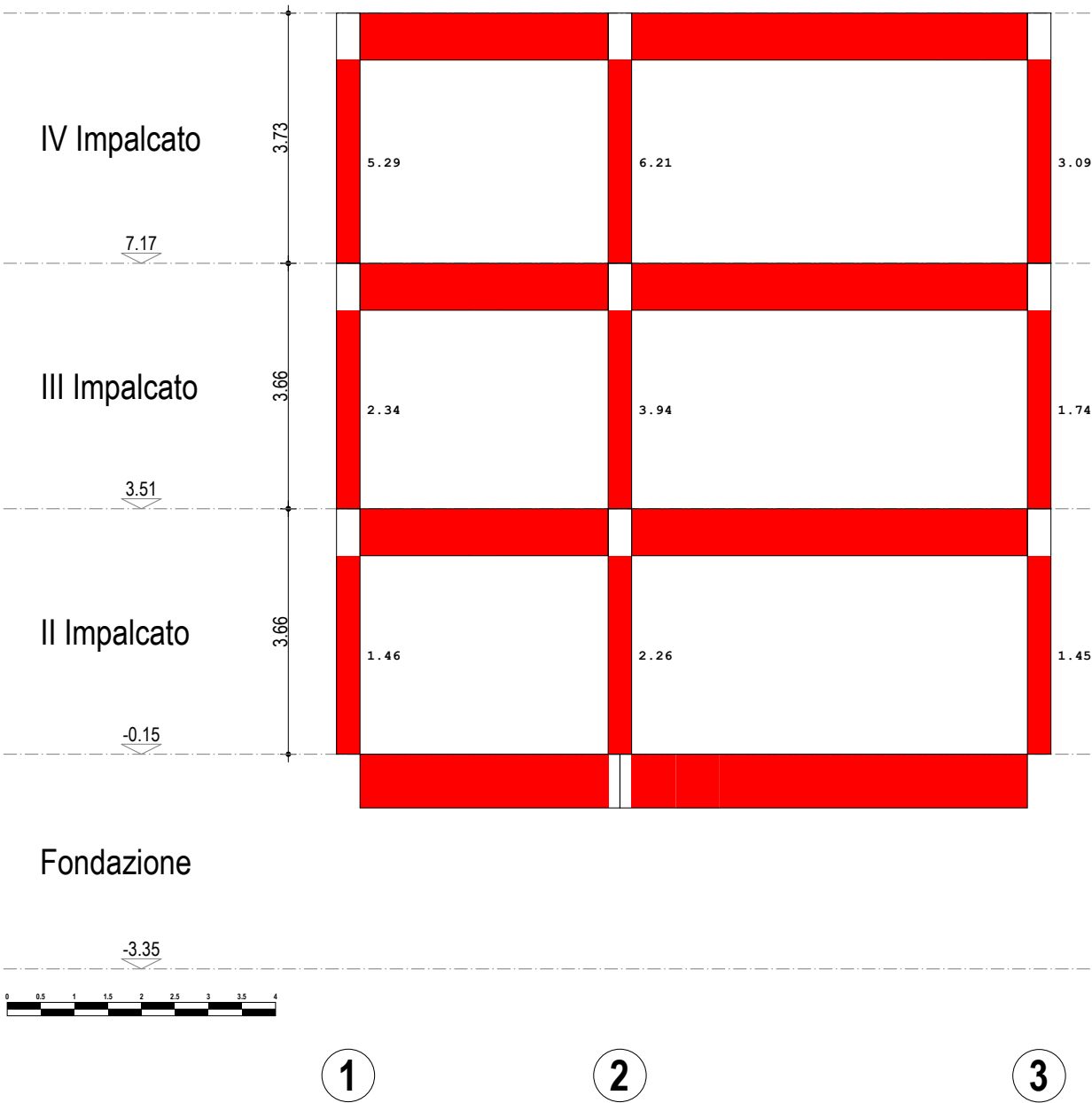


1.00

SCALA CROMATICA

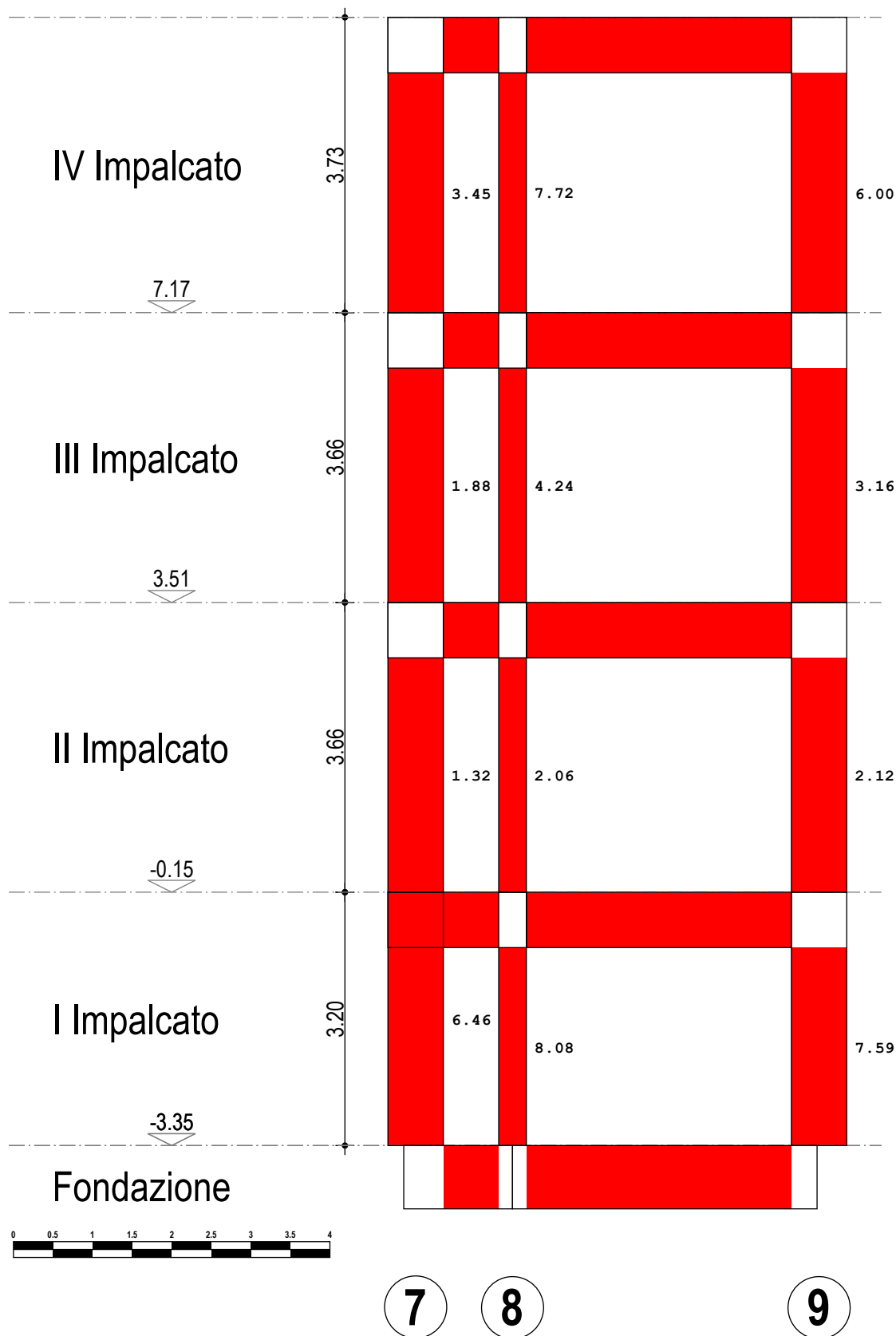
Telaio 1-2-3

COEFFICIENTE DI SICUREZZA A FLESSIONE



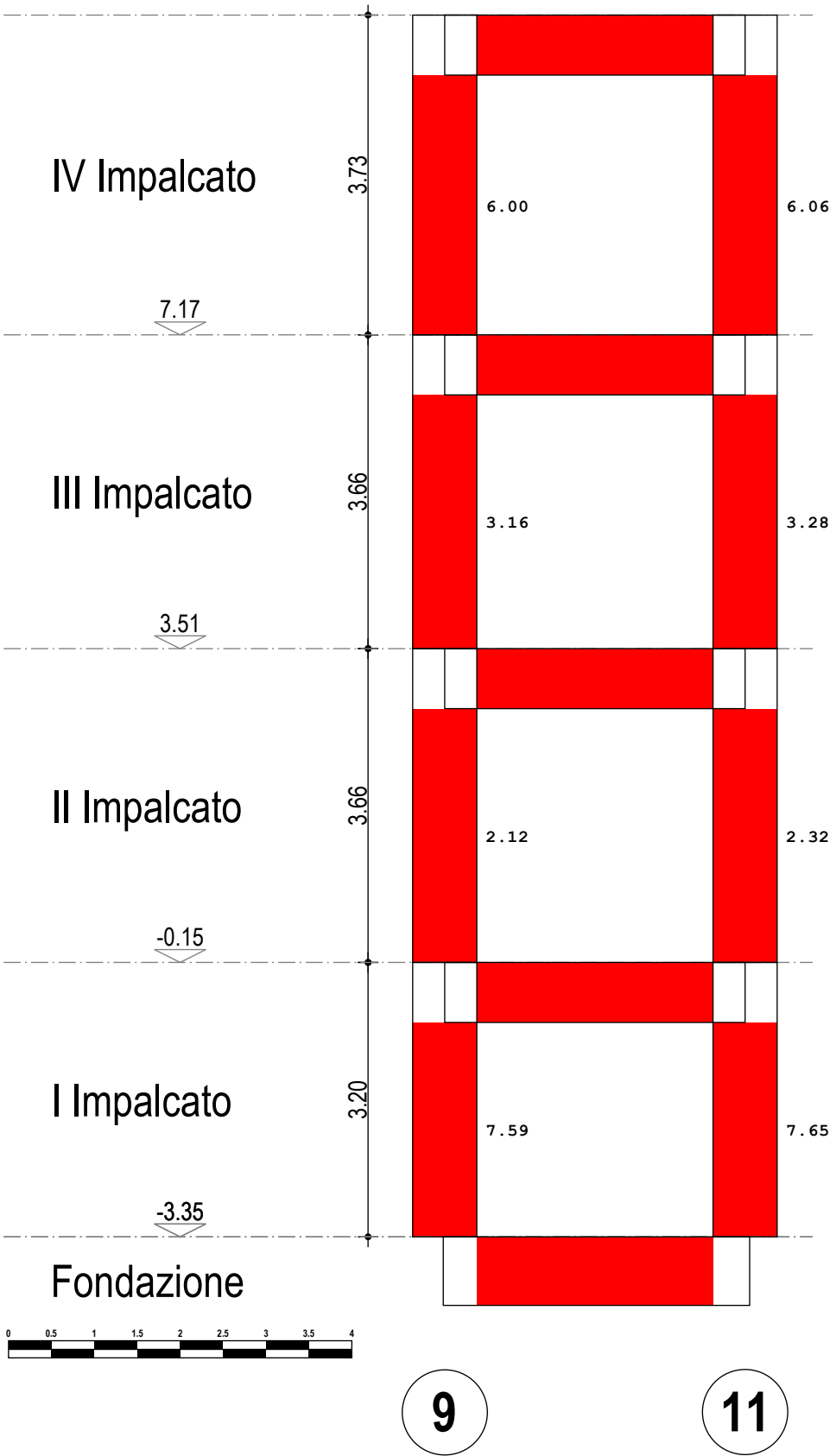
Telaio 7-8-9

COEFFICIENTE DI SICUREZZA A FLESSIONE



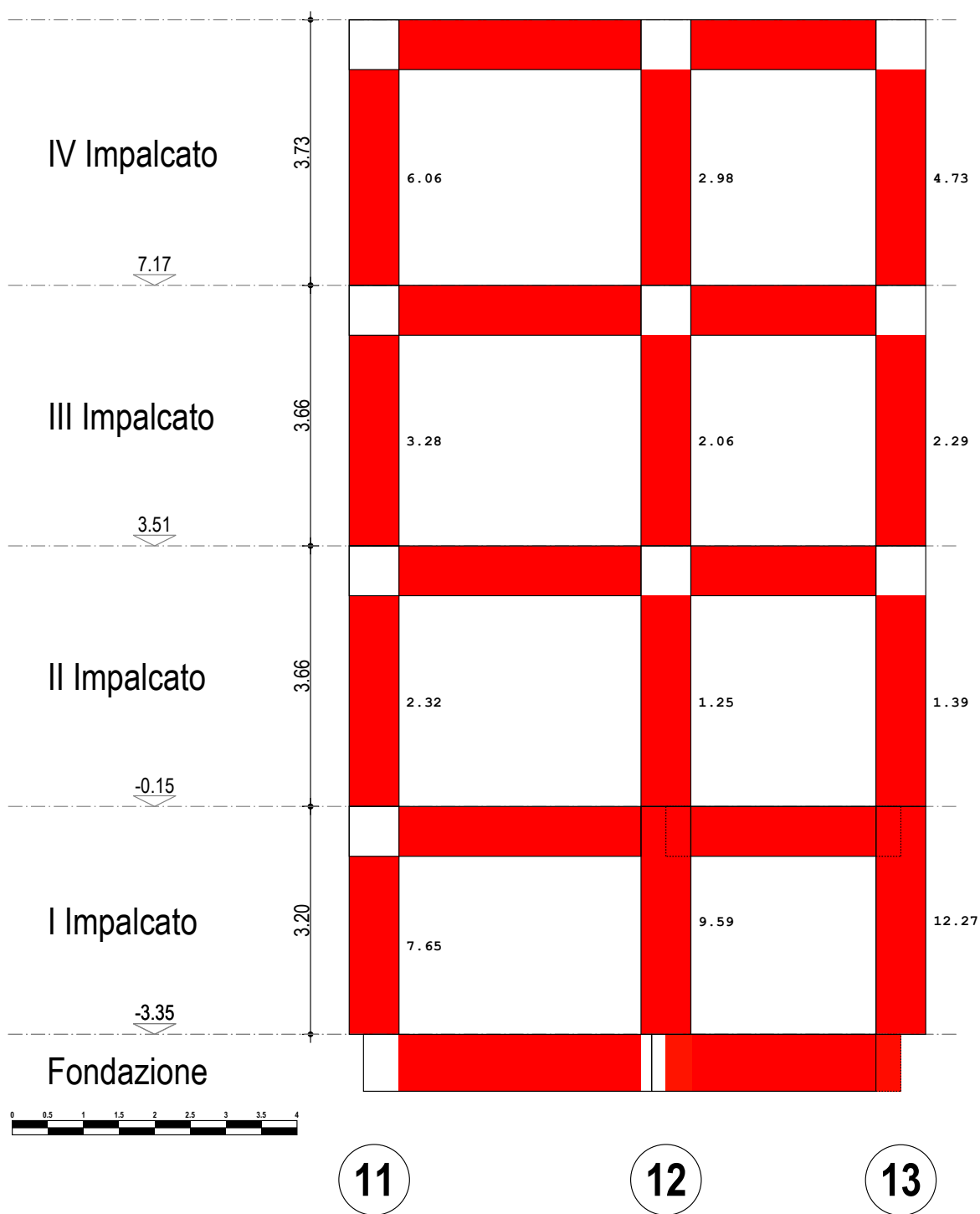
Telaio 9-11

COEFFICIENTE DI SICUREZZA A FLESSIONE



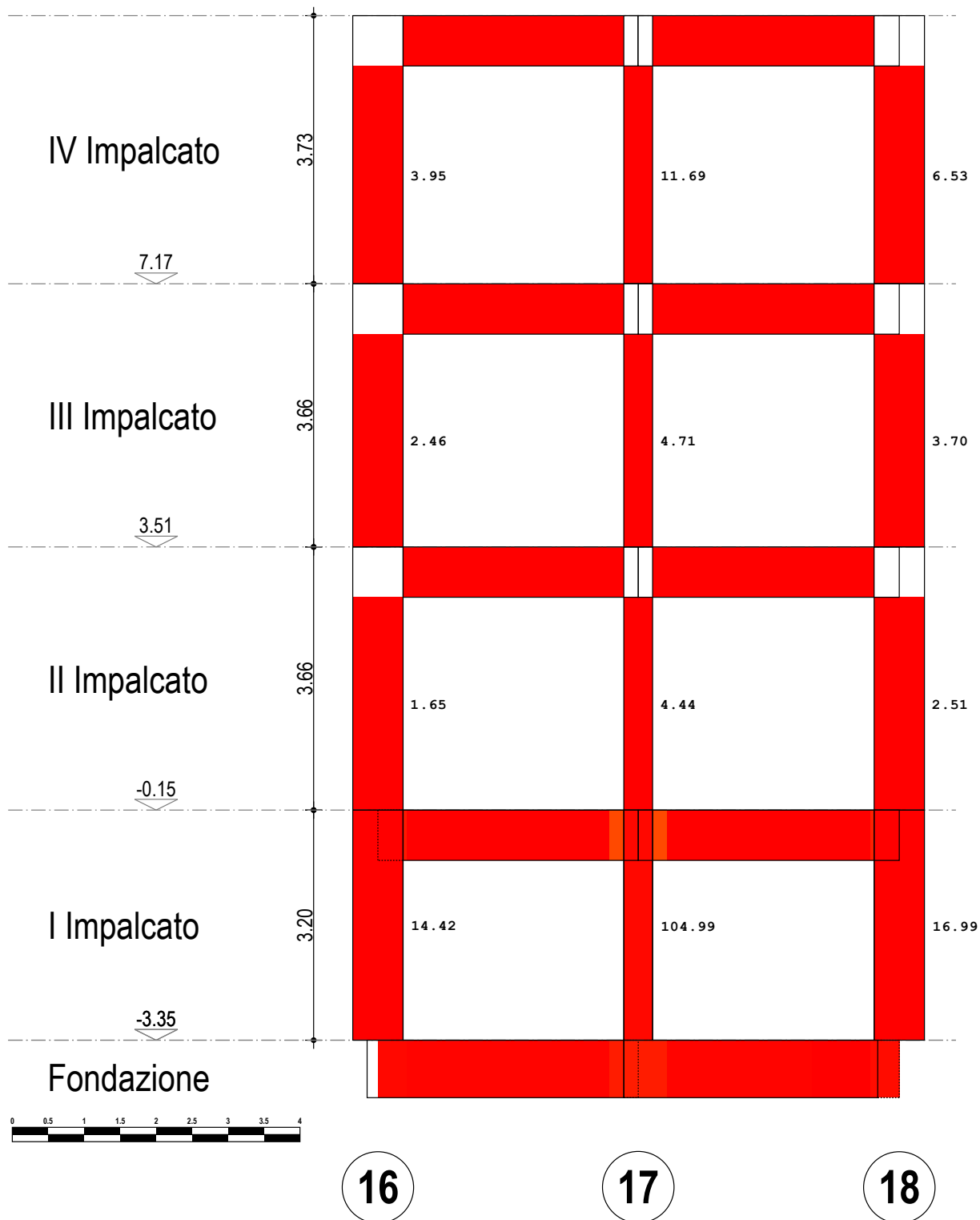
Telaio 11-12-13

COEFFICIENTE DI SICUREZZA A FLESSIONE



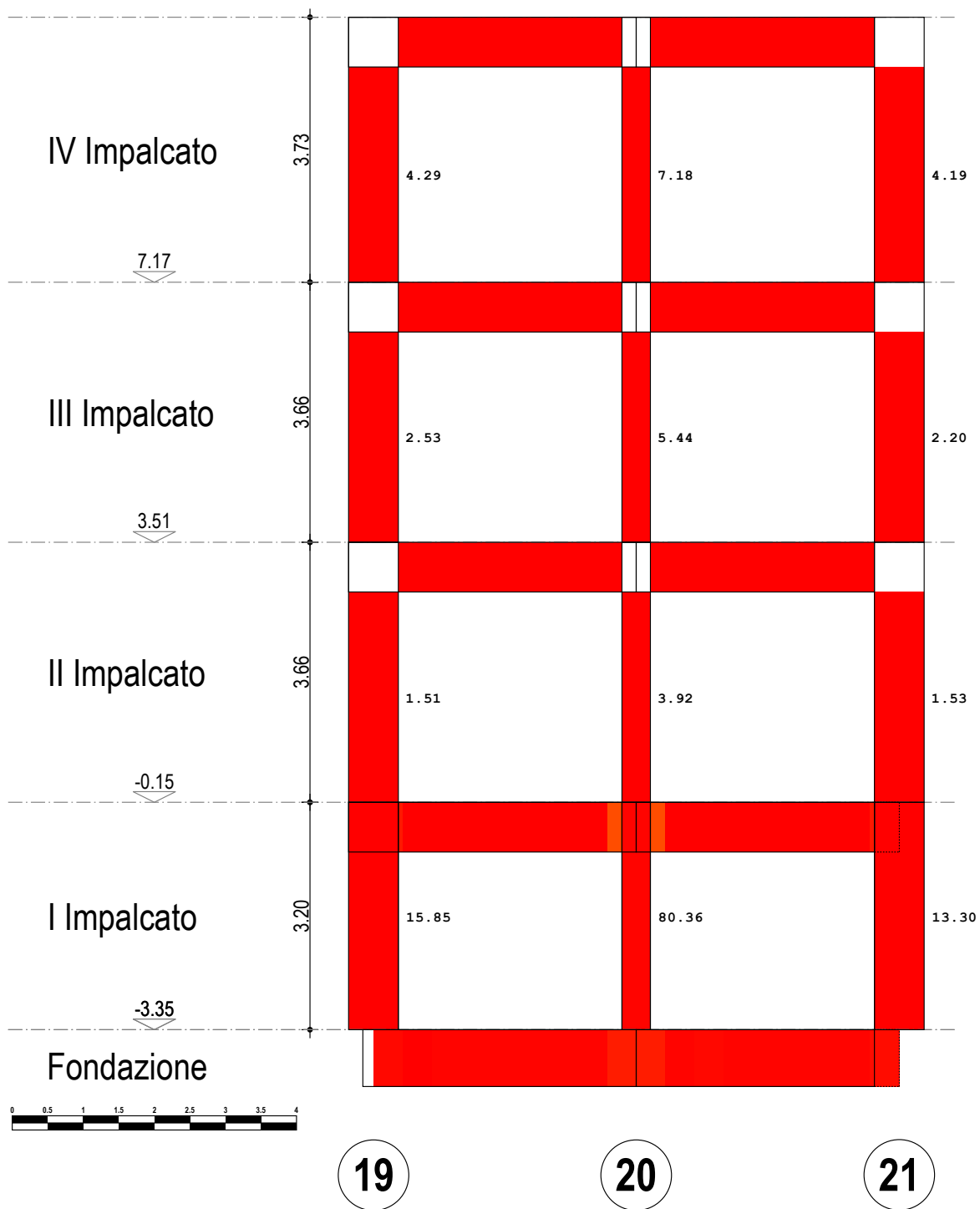
Telaio 16-17-18

COEFFICIENTE DI SICUREZZA A FLESSIONE



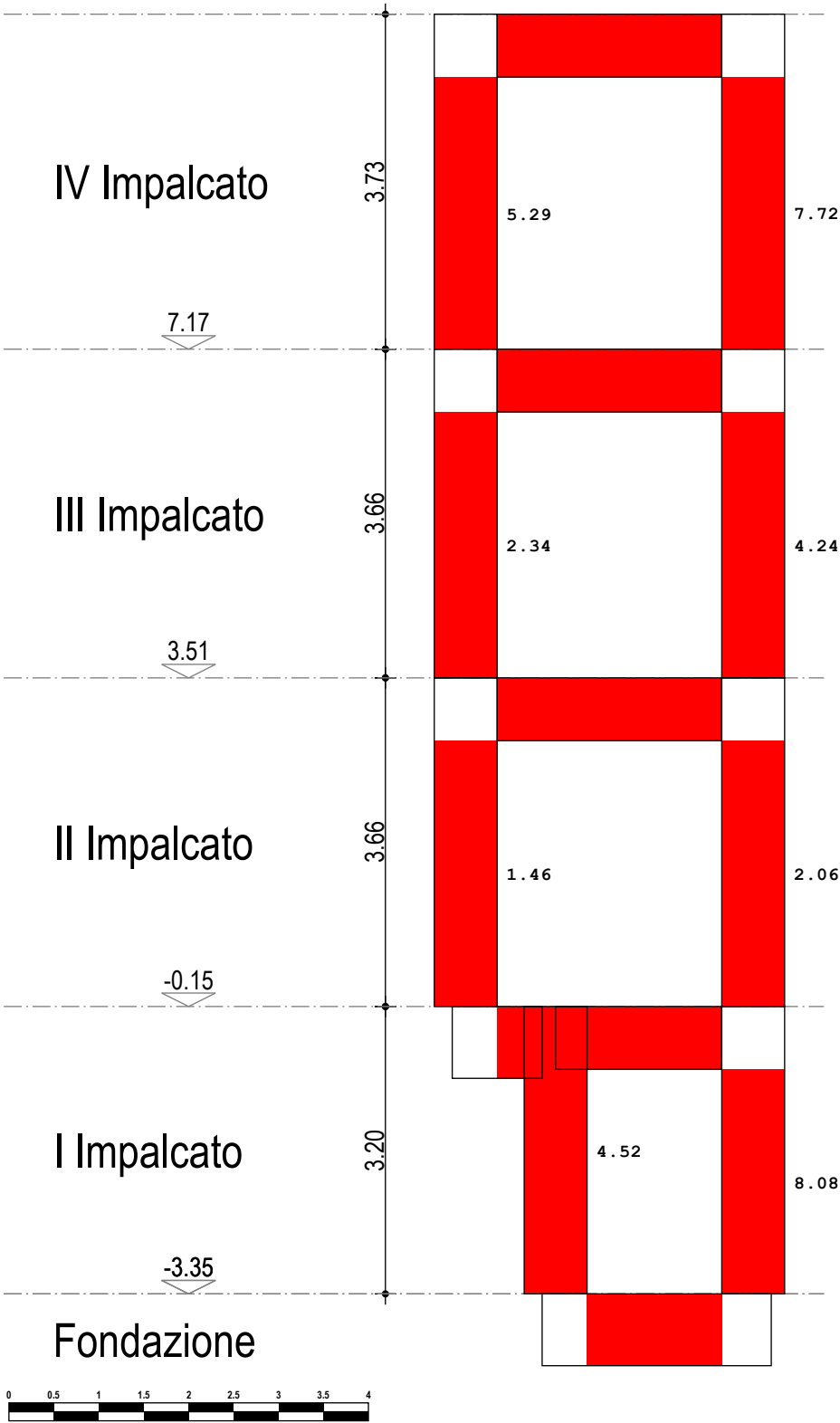
Telaio 19-20-21

COEFFICIENTE DI SICUREZZA A FLESSIONE



Telaio 1-4-8

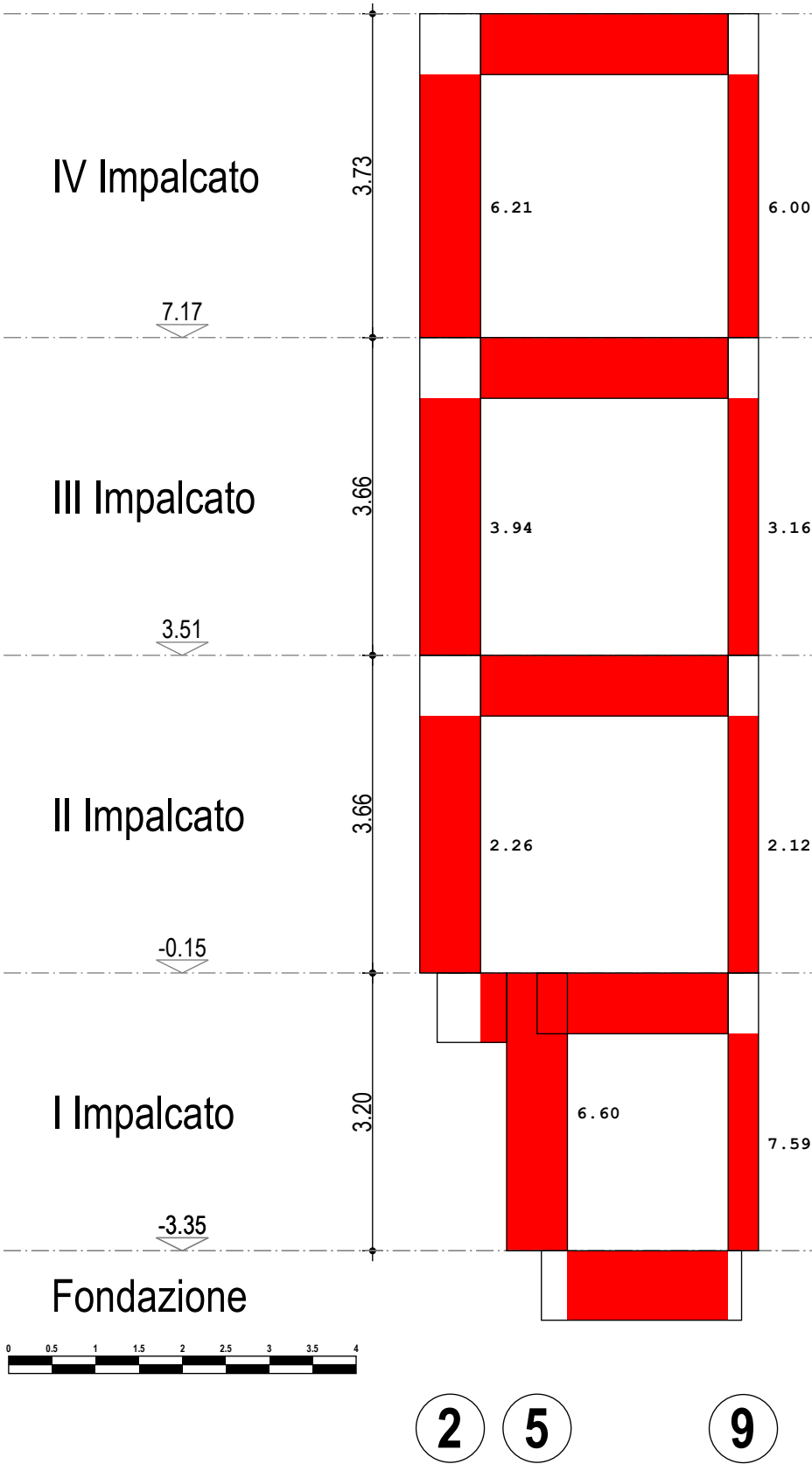
COEFFICIENTE DI SICUREZZA A FLESSIONE



1 4 8

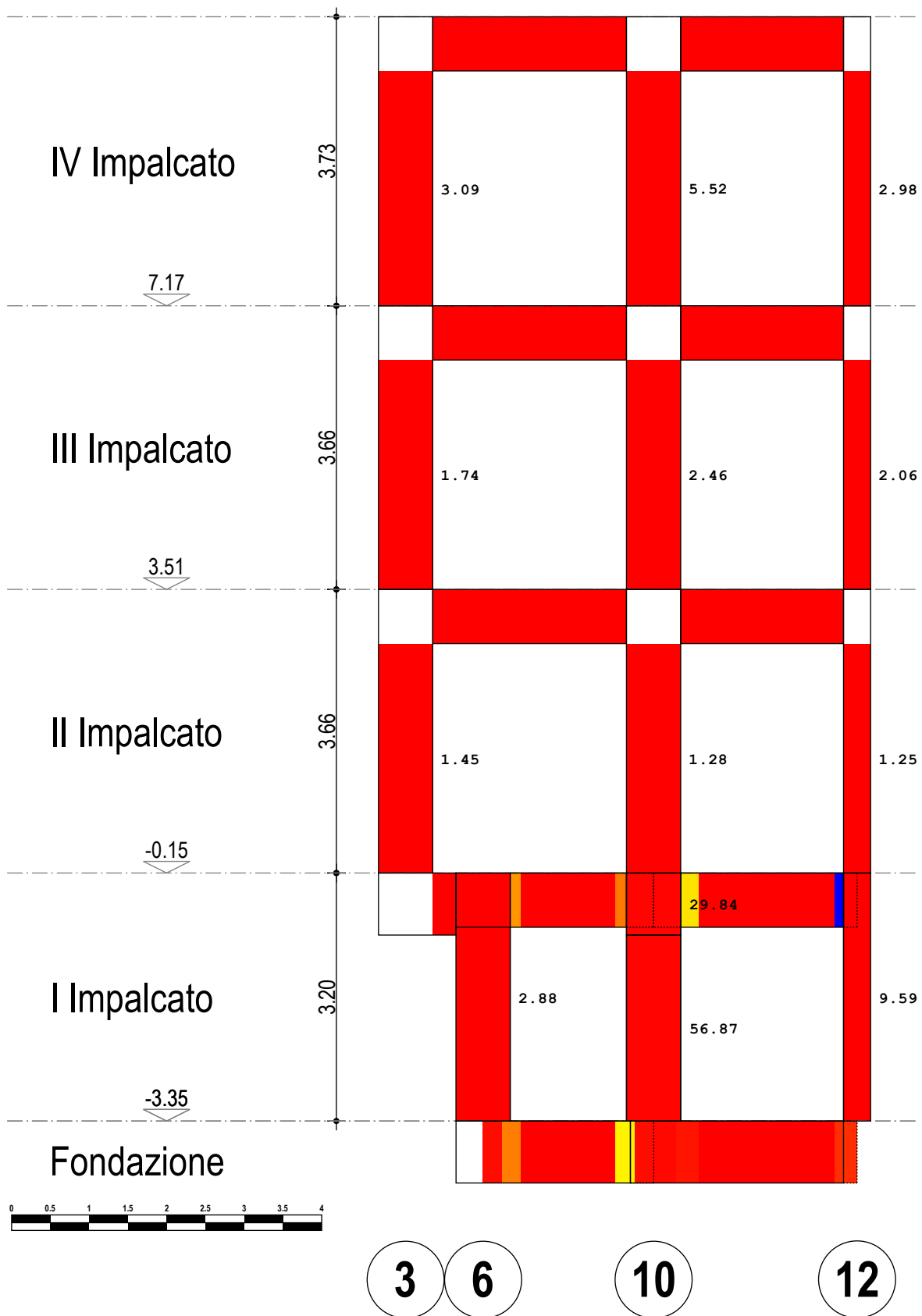
Telaio 2-5-9

COEFFICIENTE DI SICUREZZA A FLESSIONE



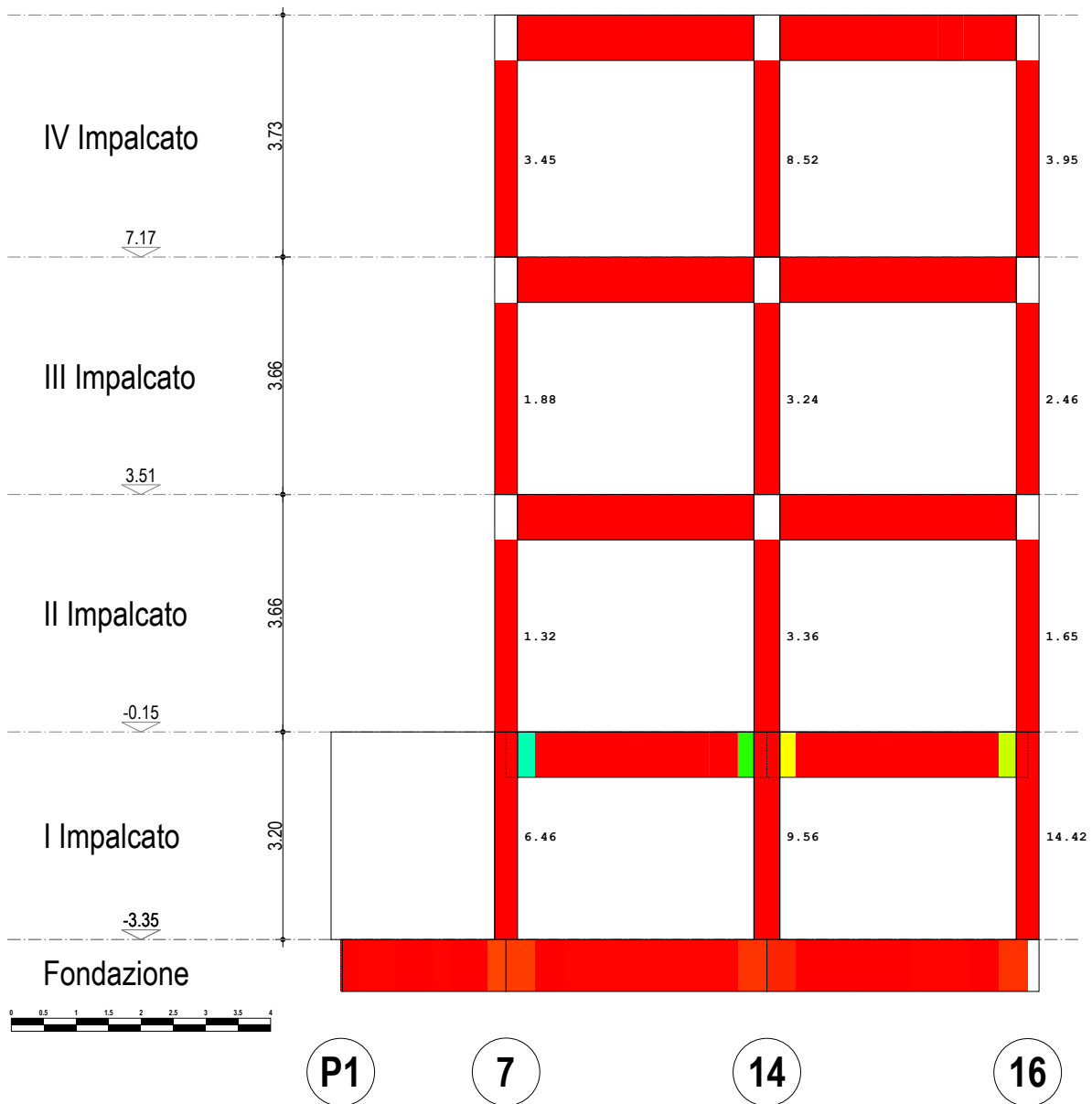
Telaio 3-6-10-12

COEFFICIENTE DI SICUREZZA A FLESSIONE



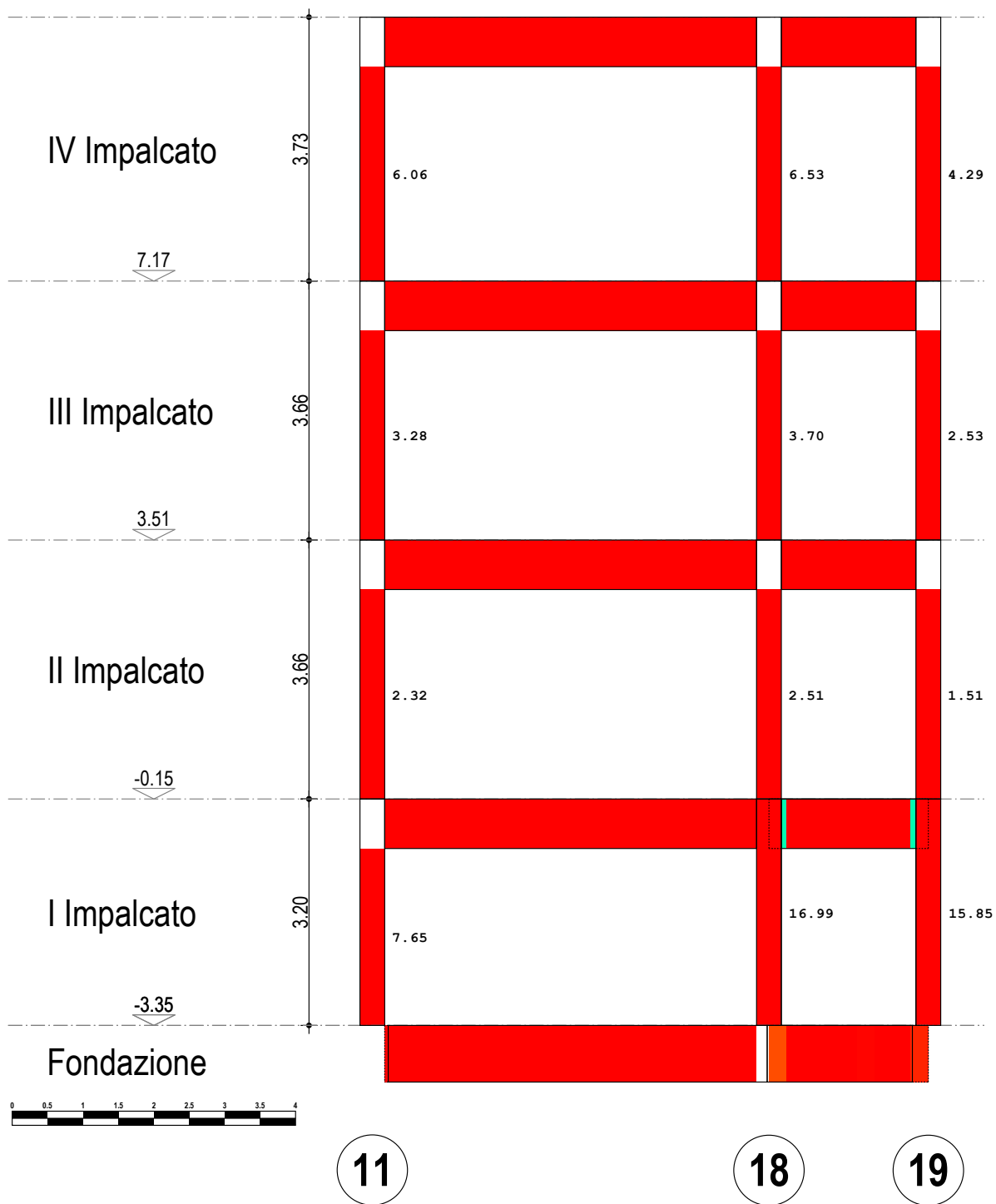
Telaio P1-7-14-16

COEFFICIENTE DI SICUREZZA A FLESSIONE



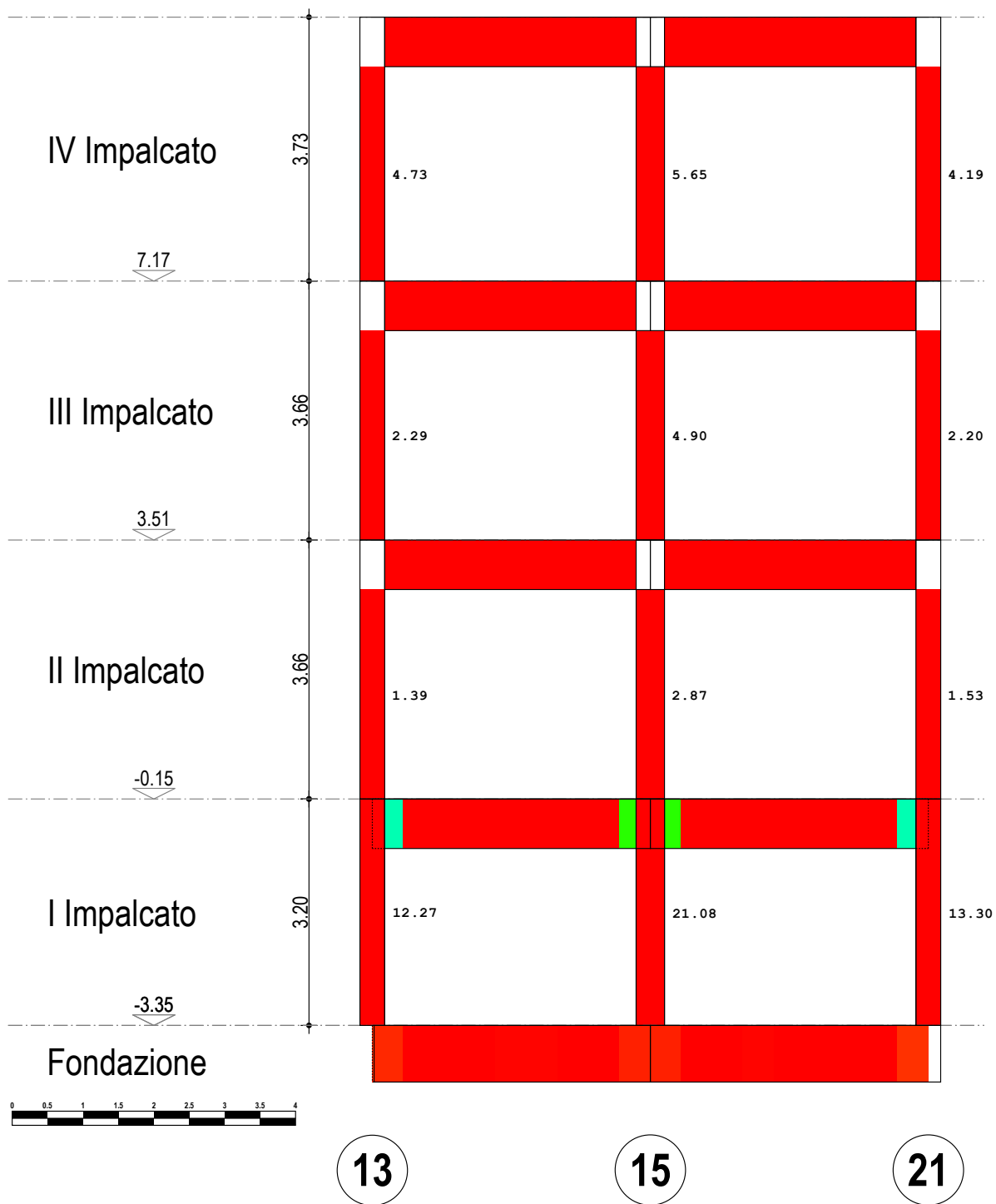
Telaio 11-18-19

COEFFICIENTE DI SICUREZZA A FLESSIONE



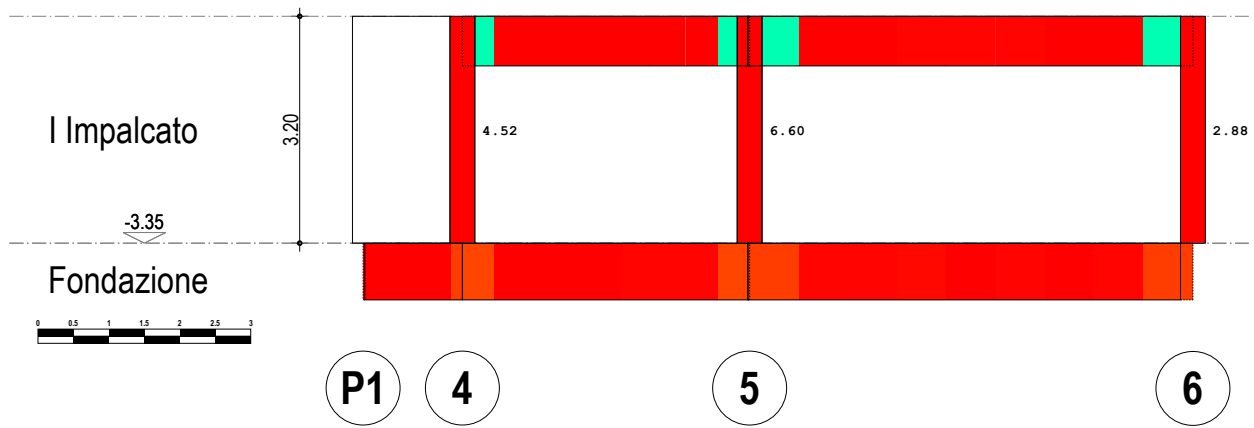
Telaio 13-15-21

COEFFICIENTE DI SICUREZZA A FLESSIONE

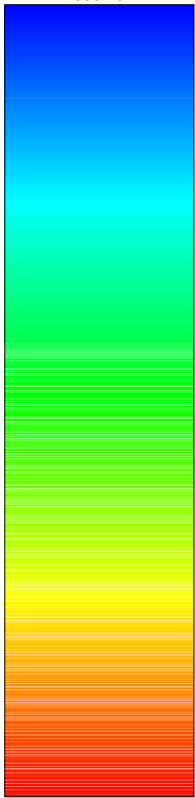


Telaio P1-4-5-6

COEFFICIENTE DI SICUREZZA A FLESSIONE



686.79



1.00

SCALA CROMATICA

COEFFICIENTE DI SICUREZZA A TAGLIO

Rappresentazione cromatica dei coefficienti di sicurezza nella verifica a taglio

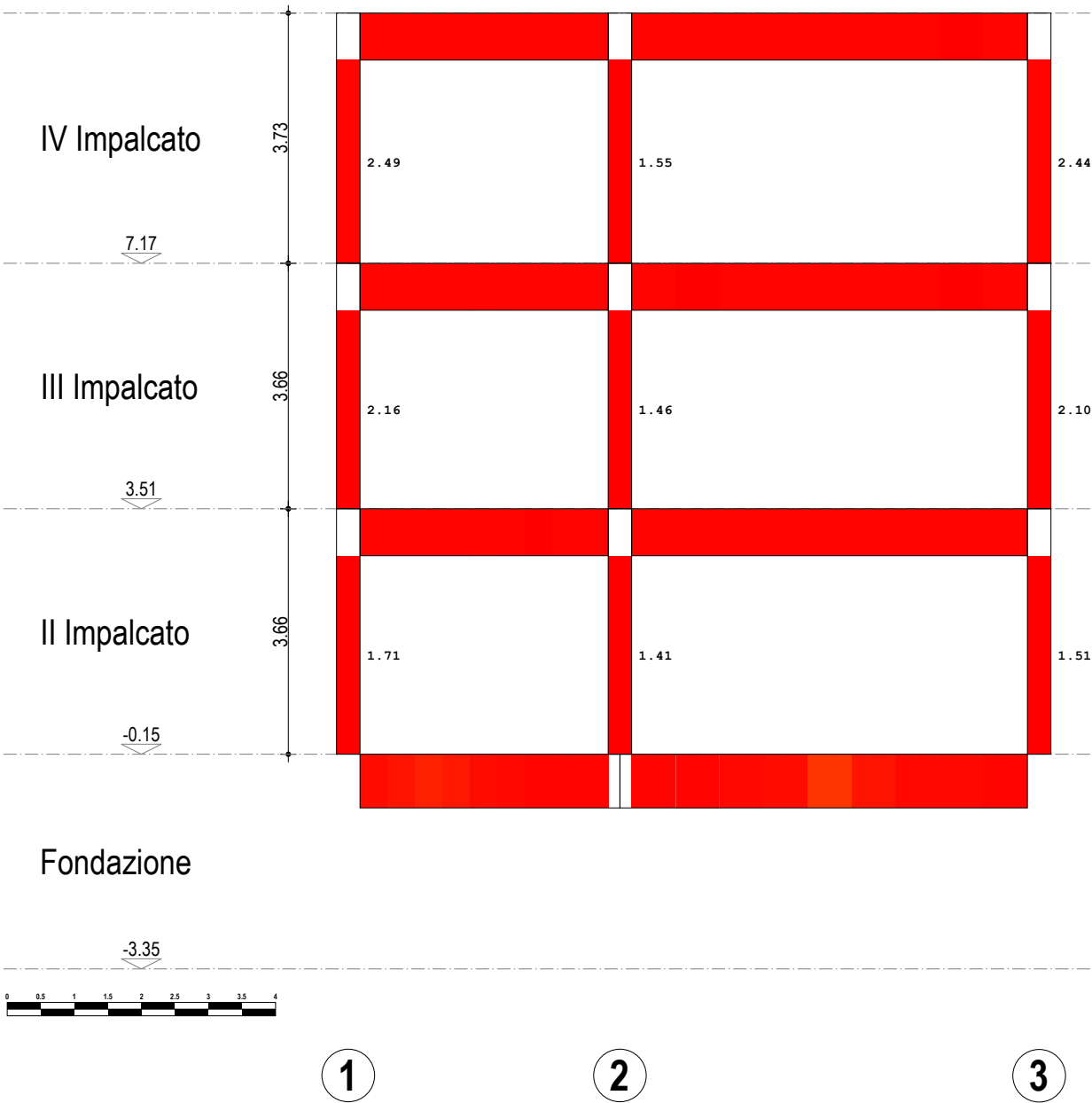
allo SLU: per le diverse sezioni di verifica viene riportato il coefficiente di sicurezza minimo.

La scala cromatica riporta il range di valori

da minimo 1.00 (COLORE ROSSO) a massimo 686.79 (COLORE BLU).

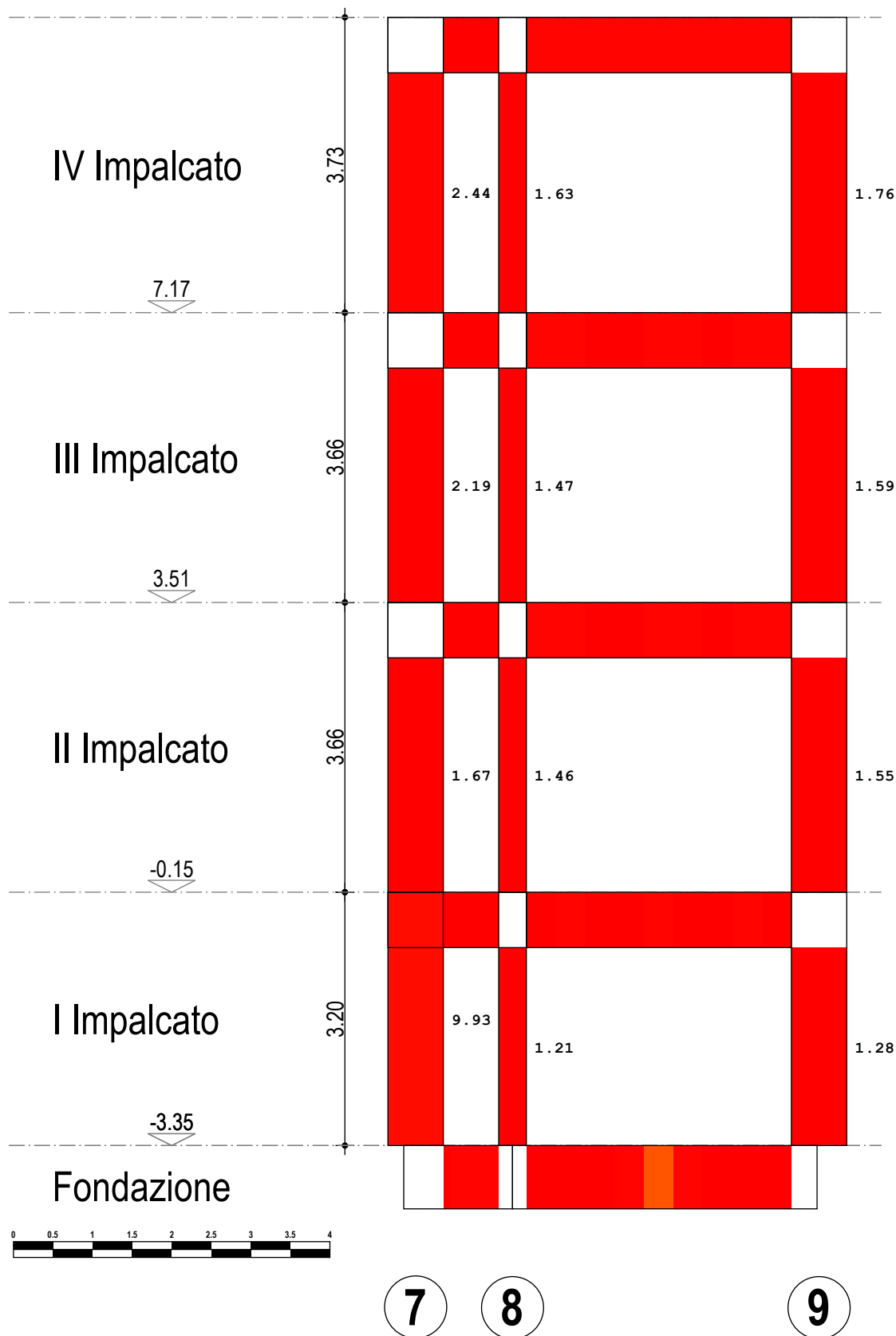
Telaio 1-2-3

COEFFICIENTE DI SICUREZZA A TAGLIO



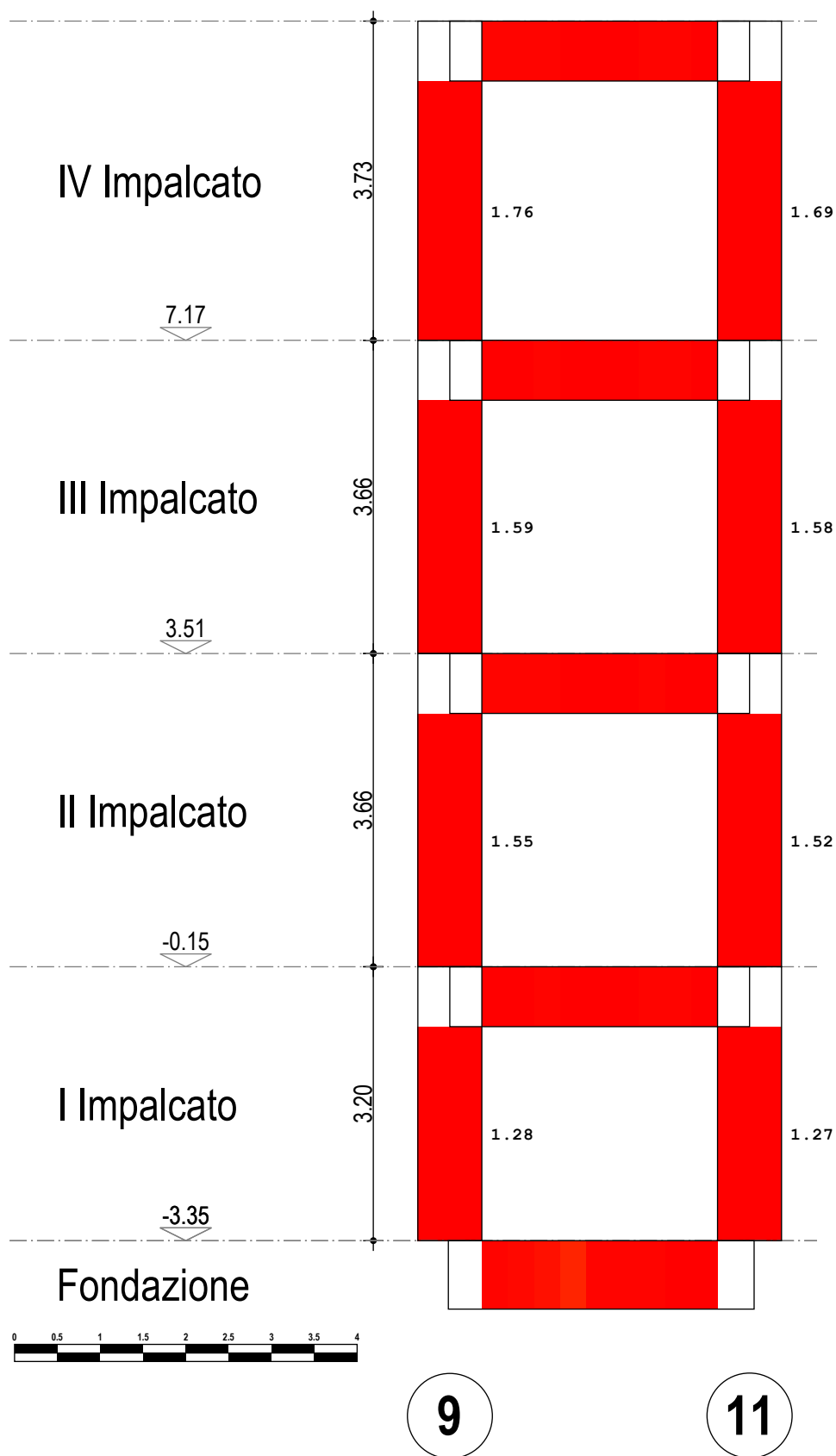
Telaio 7-8-9

COEFFICIENTE DI SICUREZZA A TAGLIO



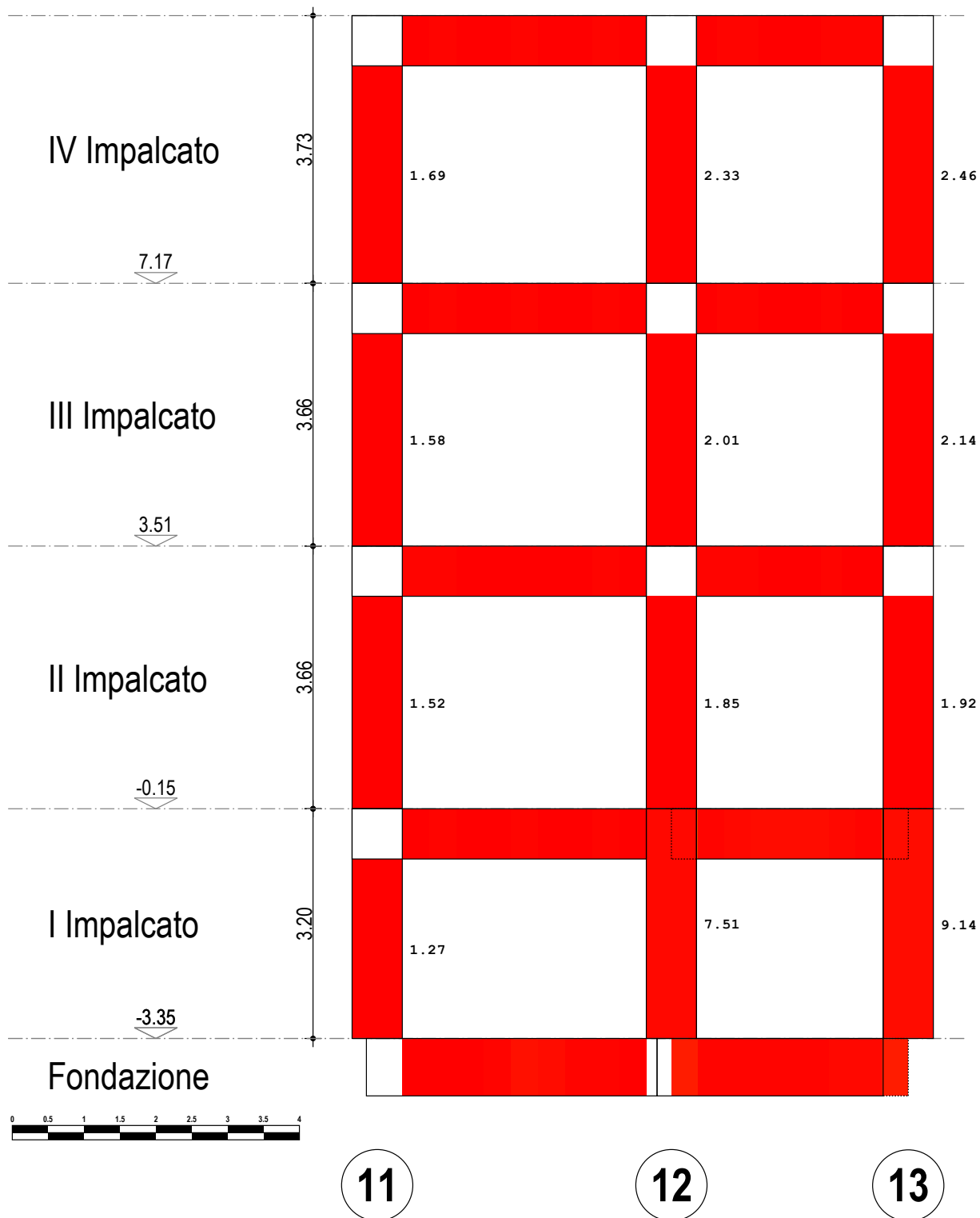
Telaio 9-11

COEFFICIENTE DI SICUREZZA A TAGLIO



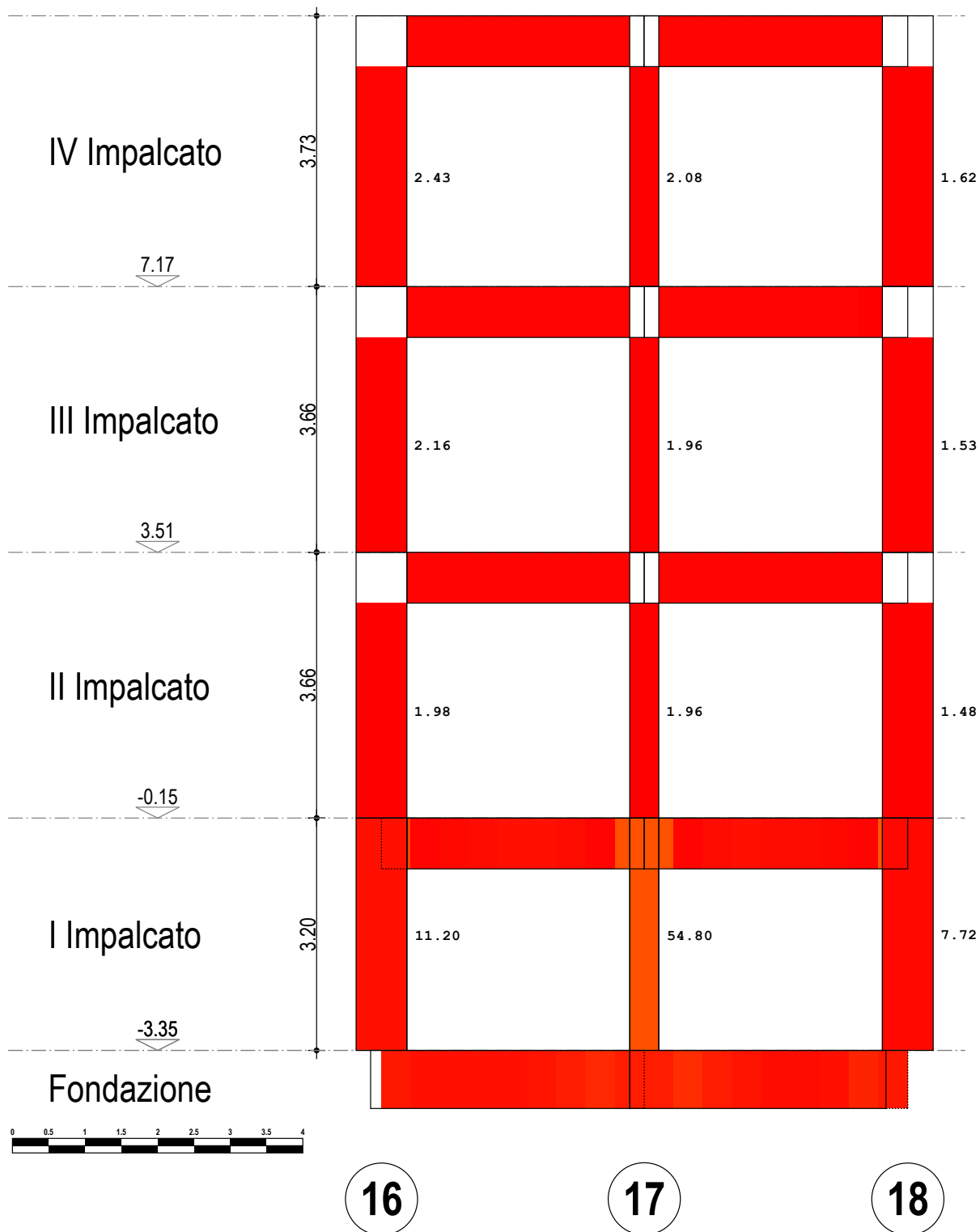
Telaio 11-12-13

COEFFICIENTE DI SICUREZZA A TAGLIO



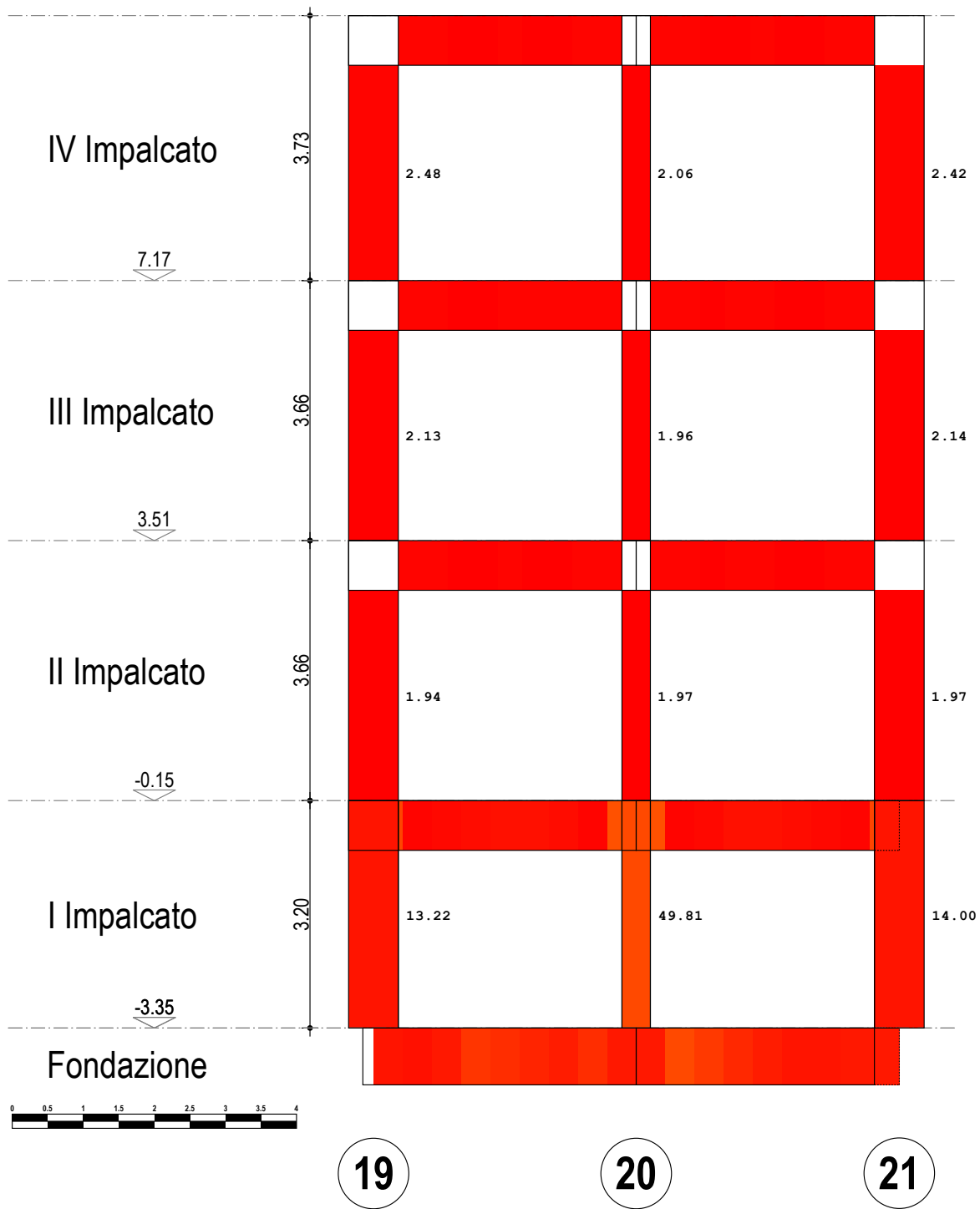
Telaio 16-17-18

COEFFICIENTE DI SICUREZZA A TAGLIO



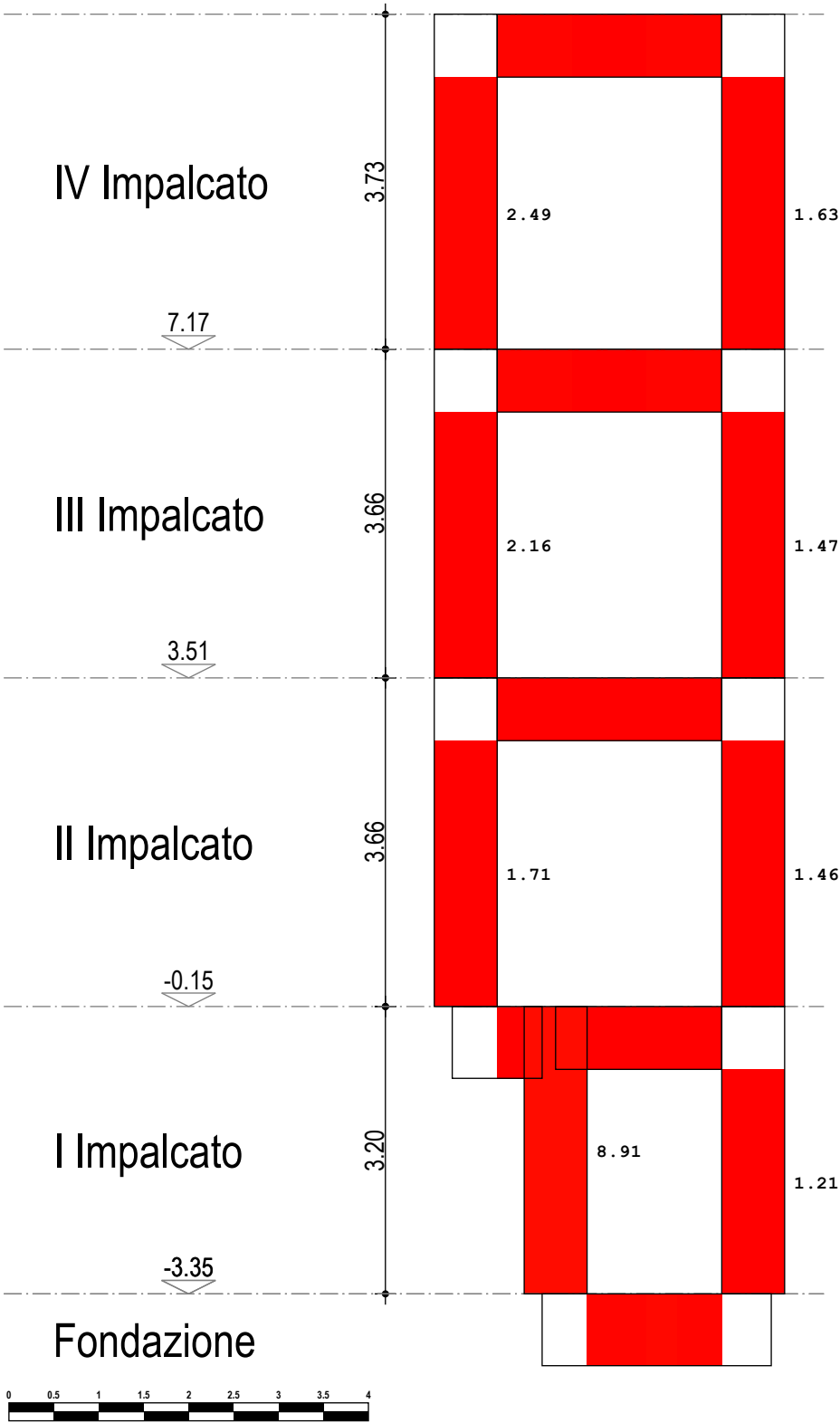
Telaio 19-20-21

COEFFICIENTE DI SICUREZZA A TAGLIO



Telaio 1-4-8

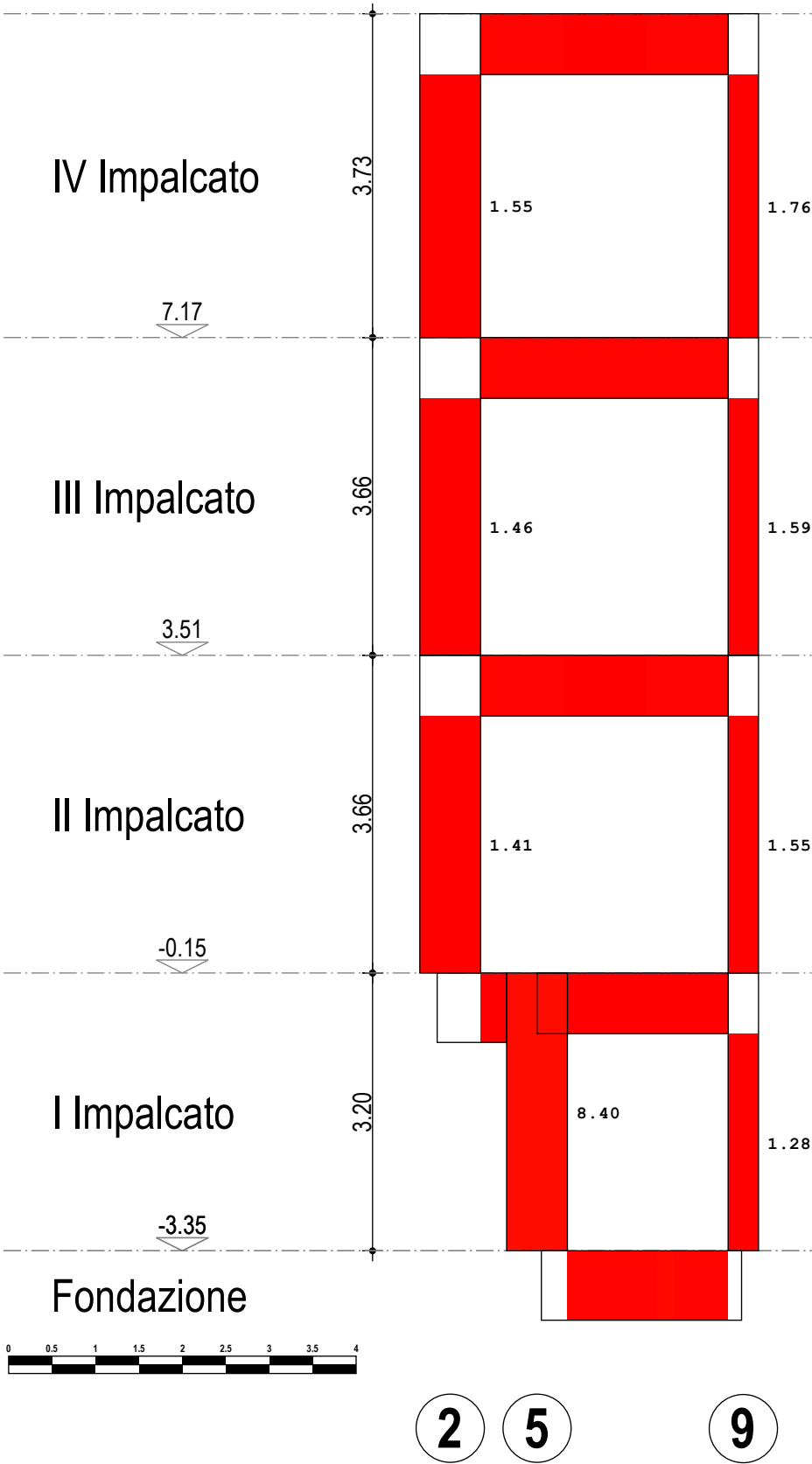
COEFFICIENTE DI SICUREZZA A TAGLIO



1 4 8

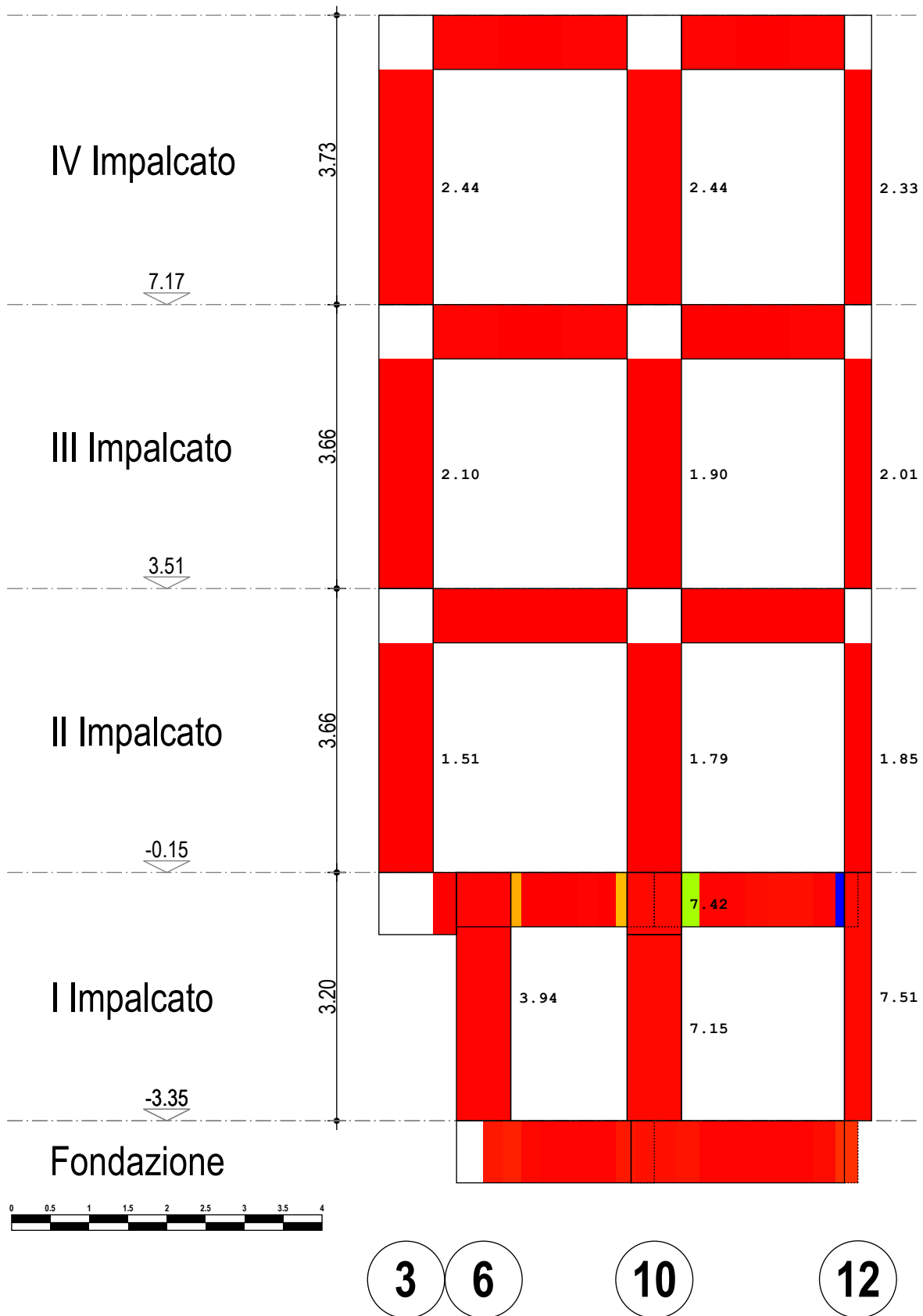
Telaio 2-5-9

COEFFICIENTE DI SICUREZZA A TAGLIO

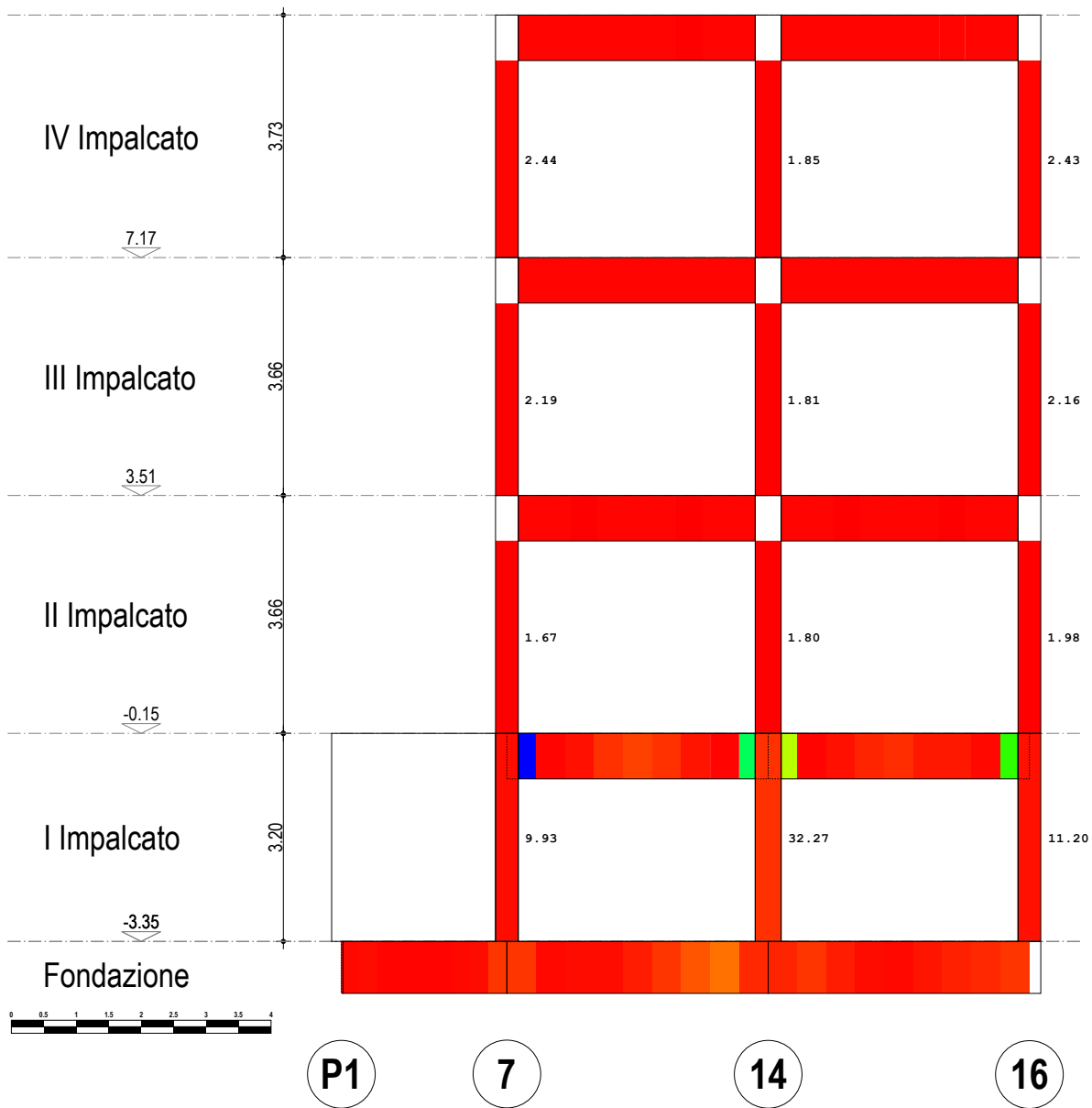


Telaio 3-6-10-12

COEFFICIENTE DI SICUREZZA A TAGLIO

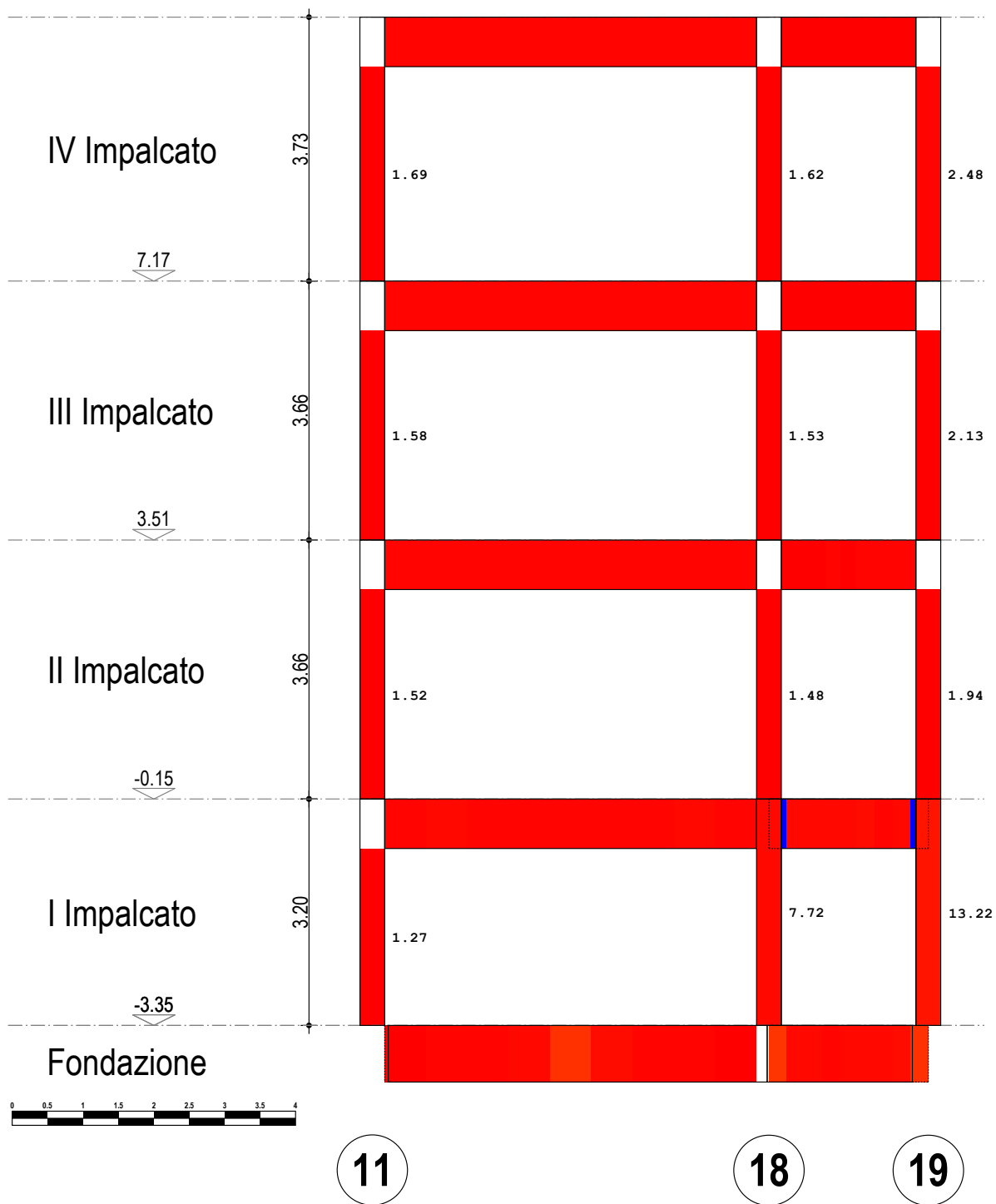


Telaio P1-7-14-16
COEFFICIENTE DI SICUREZZA A TAGLIO



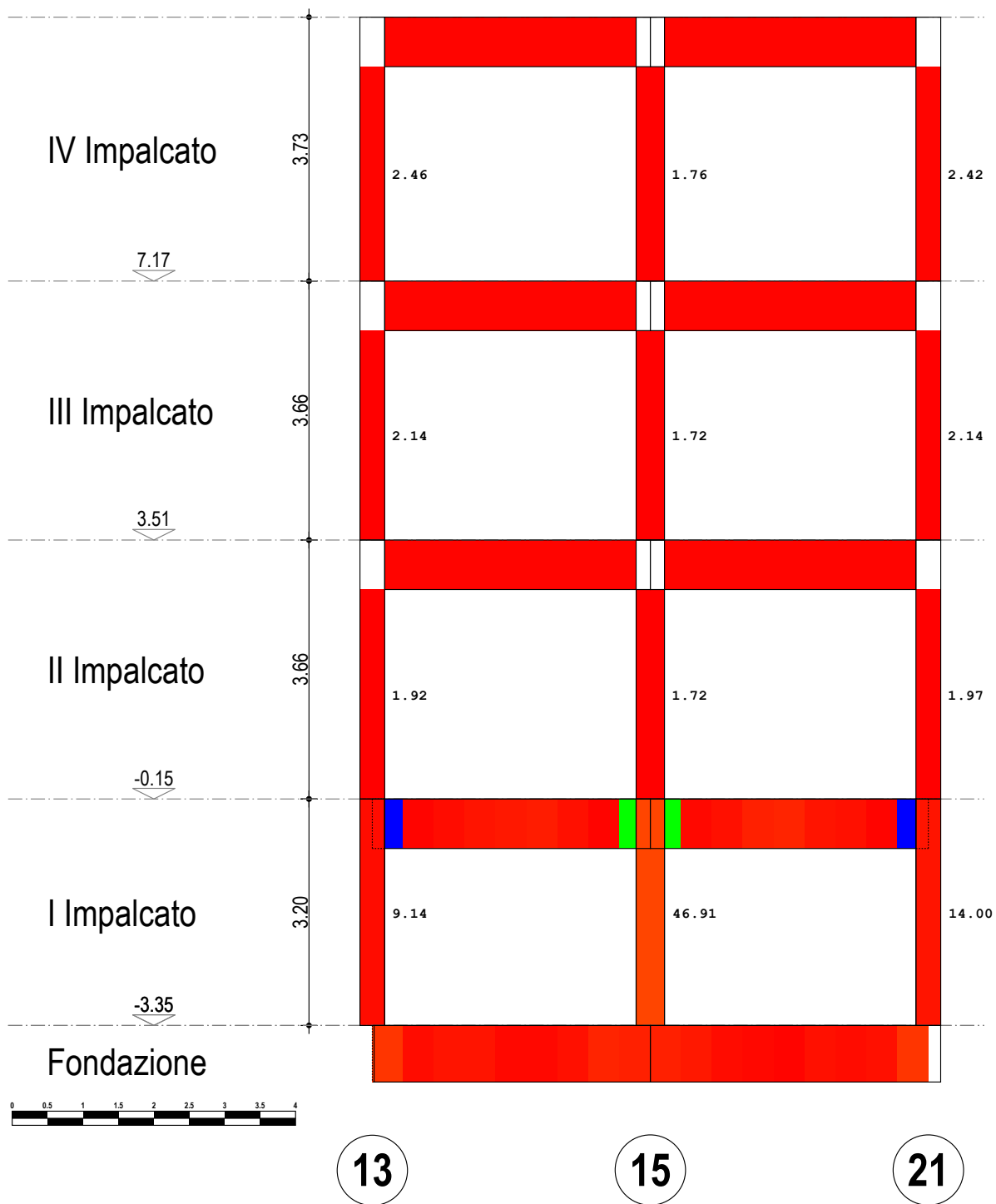
Telaio 11-18-19

COEFFICIENTE DI SICUREZZA A TAGLIO



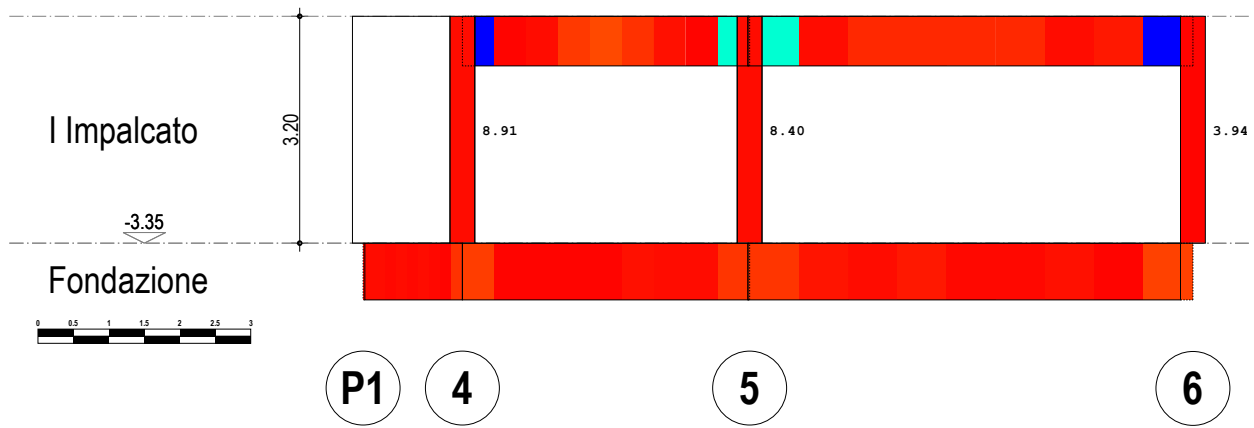
Telaio 13-15-21

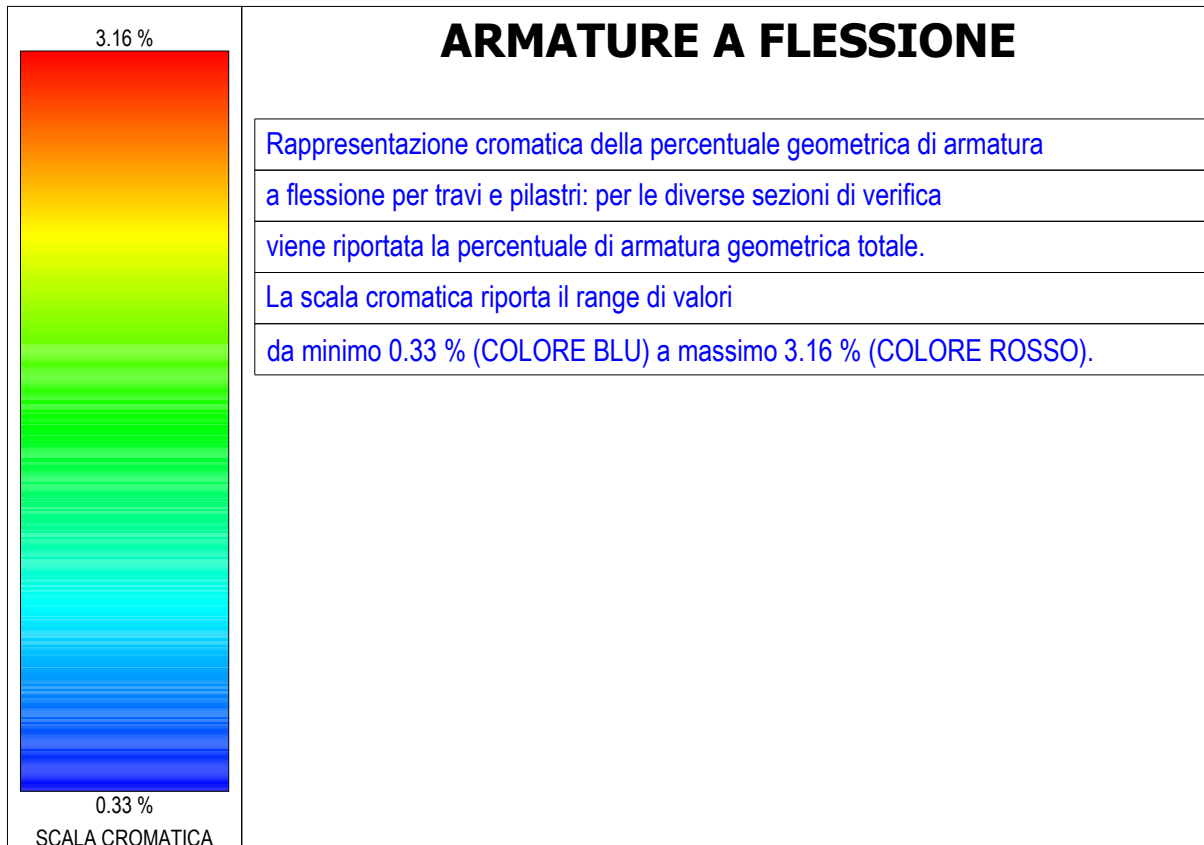
COEFFICIENTE DI SICUREZZA A TAGLIO



Telaio P1-4-5-6

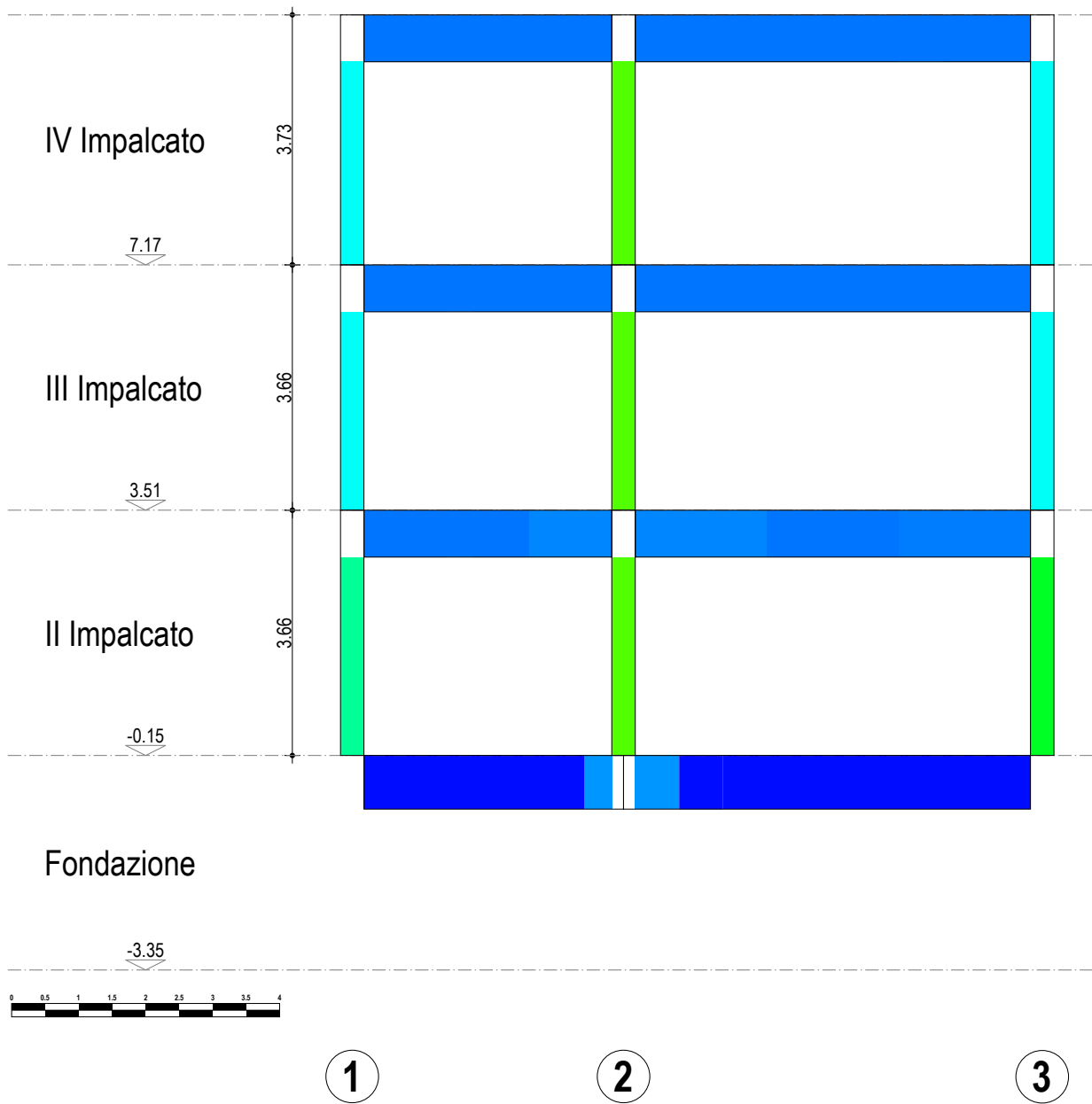
COEFFICIENTE DI SICUREZZA A TAGLIO





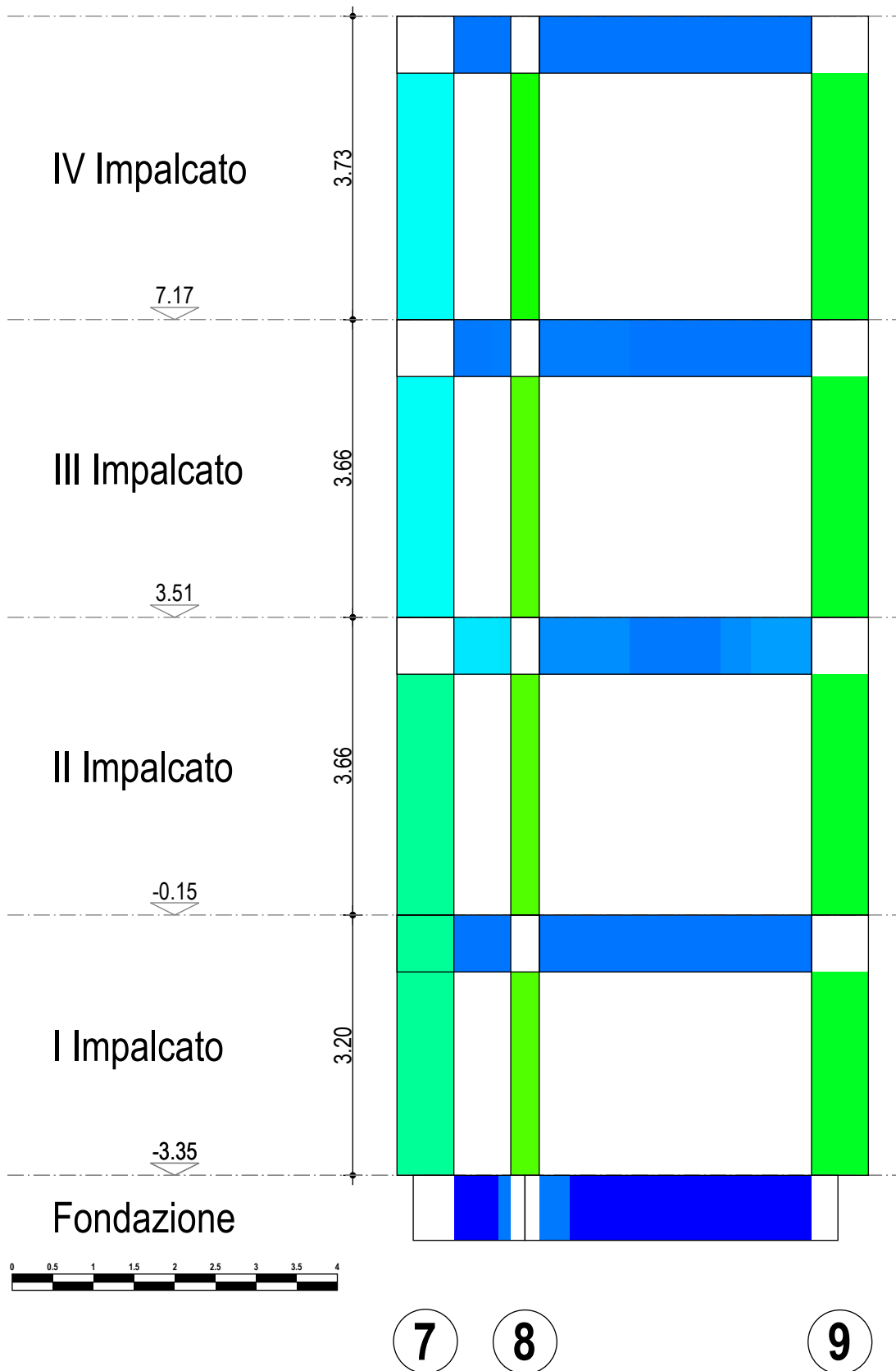
Telaio 1-2-3

ARMATURE A FLESSIONE



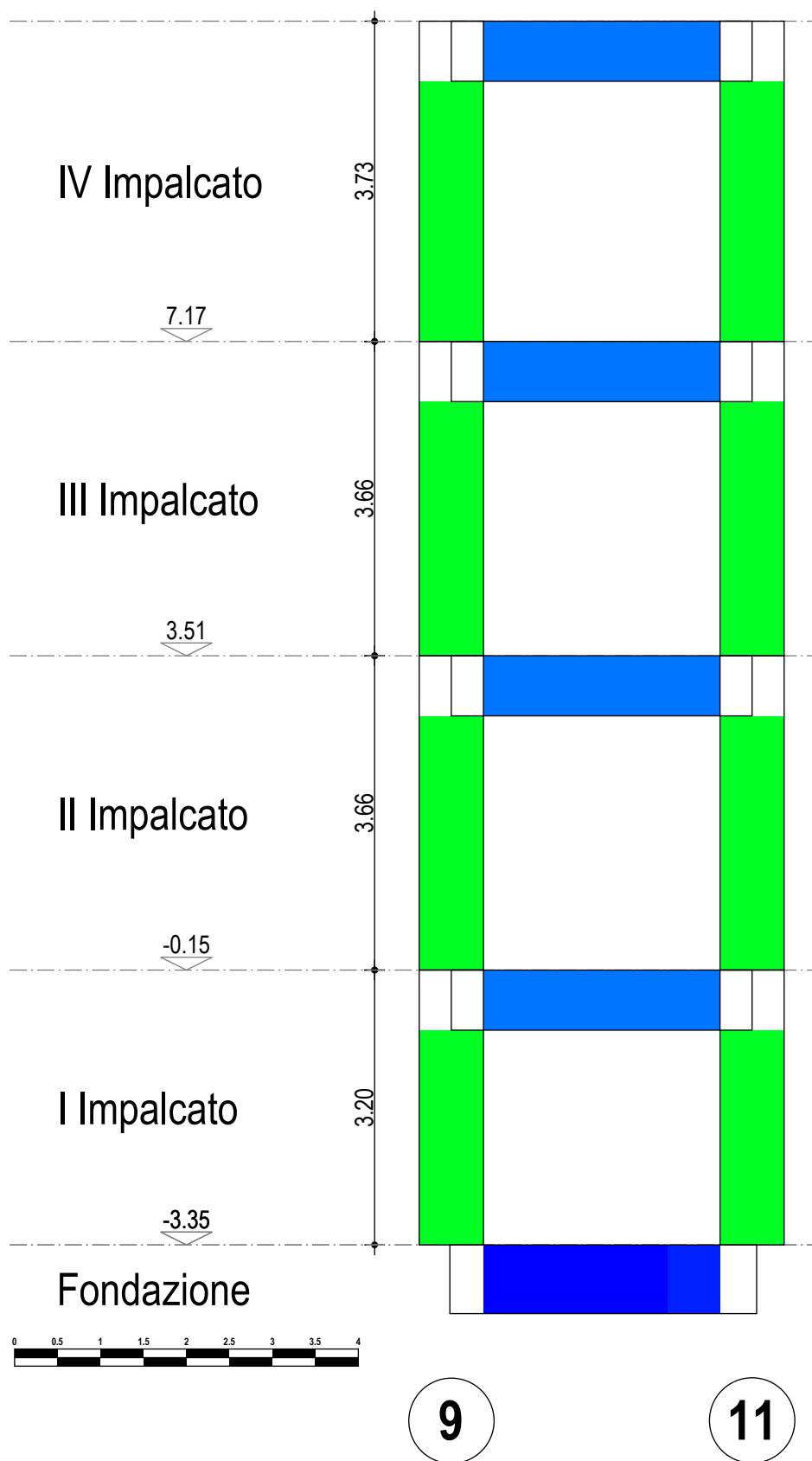
Telaio 7-8-9

ARMATURE A FLESSIONE



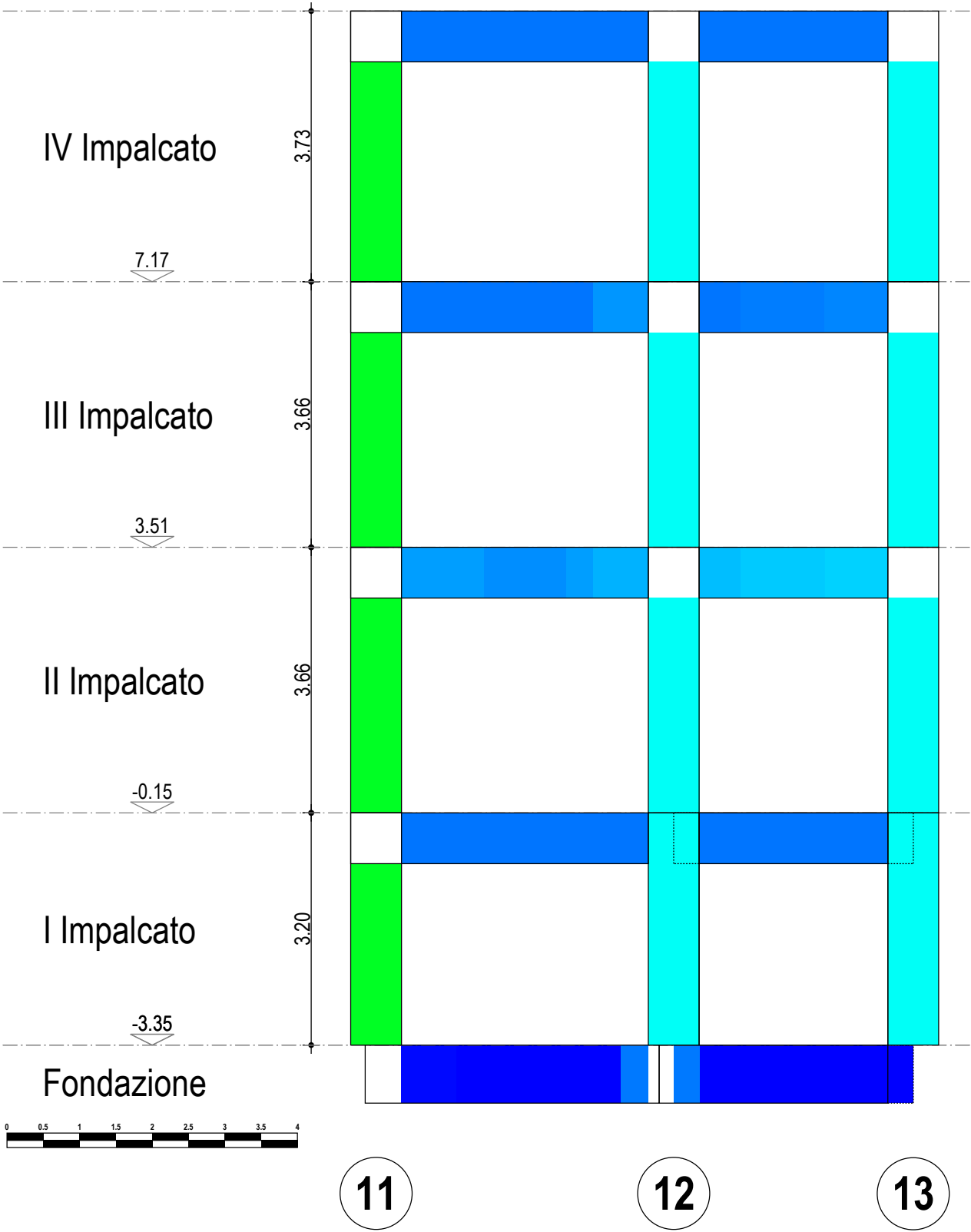
Telaio 9-11

ARMATURE A FLESSIONE



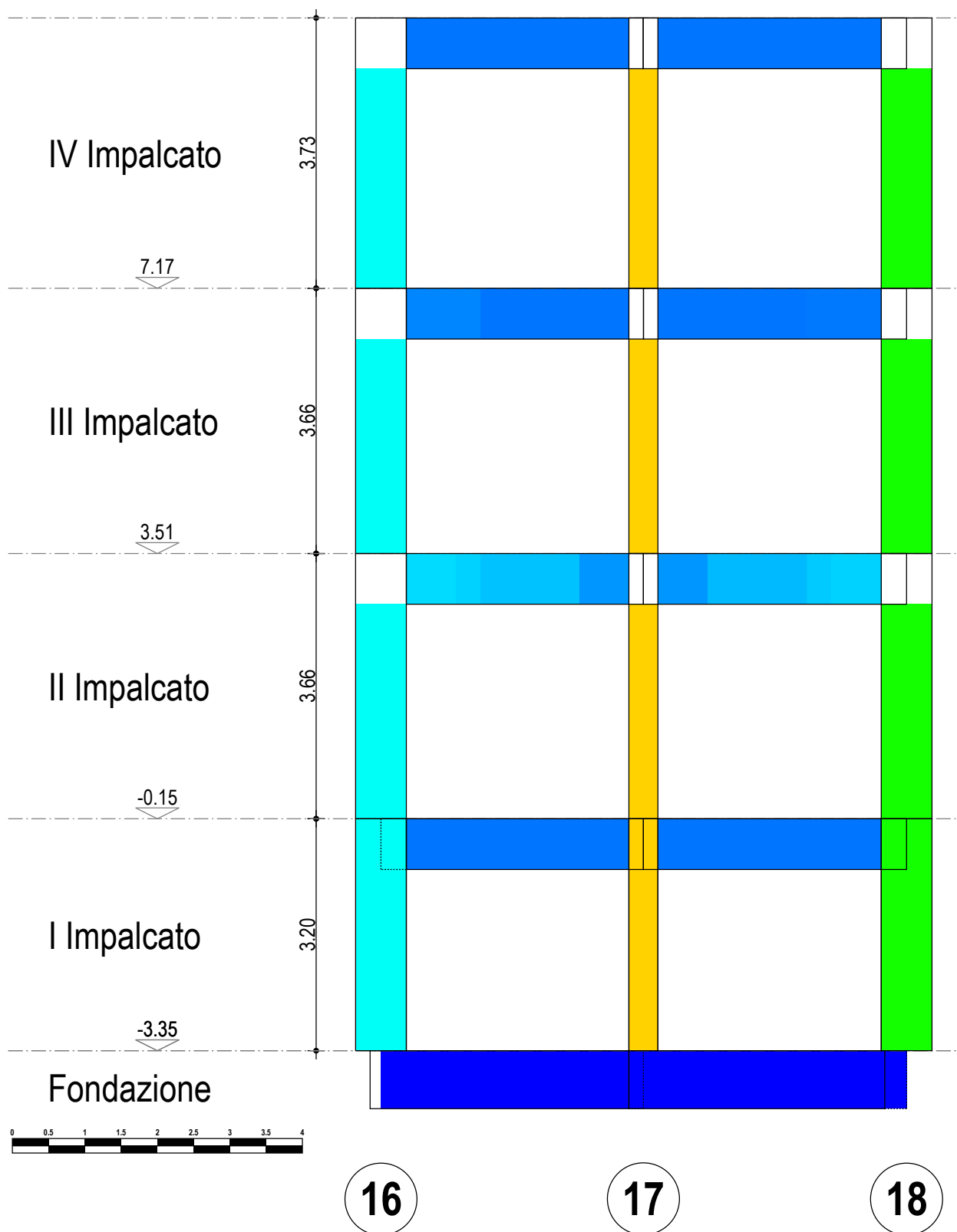
Telaio 11-12-13

ARMATURE A FLESSIONE



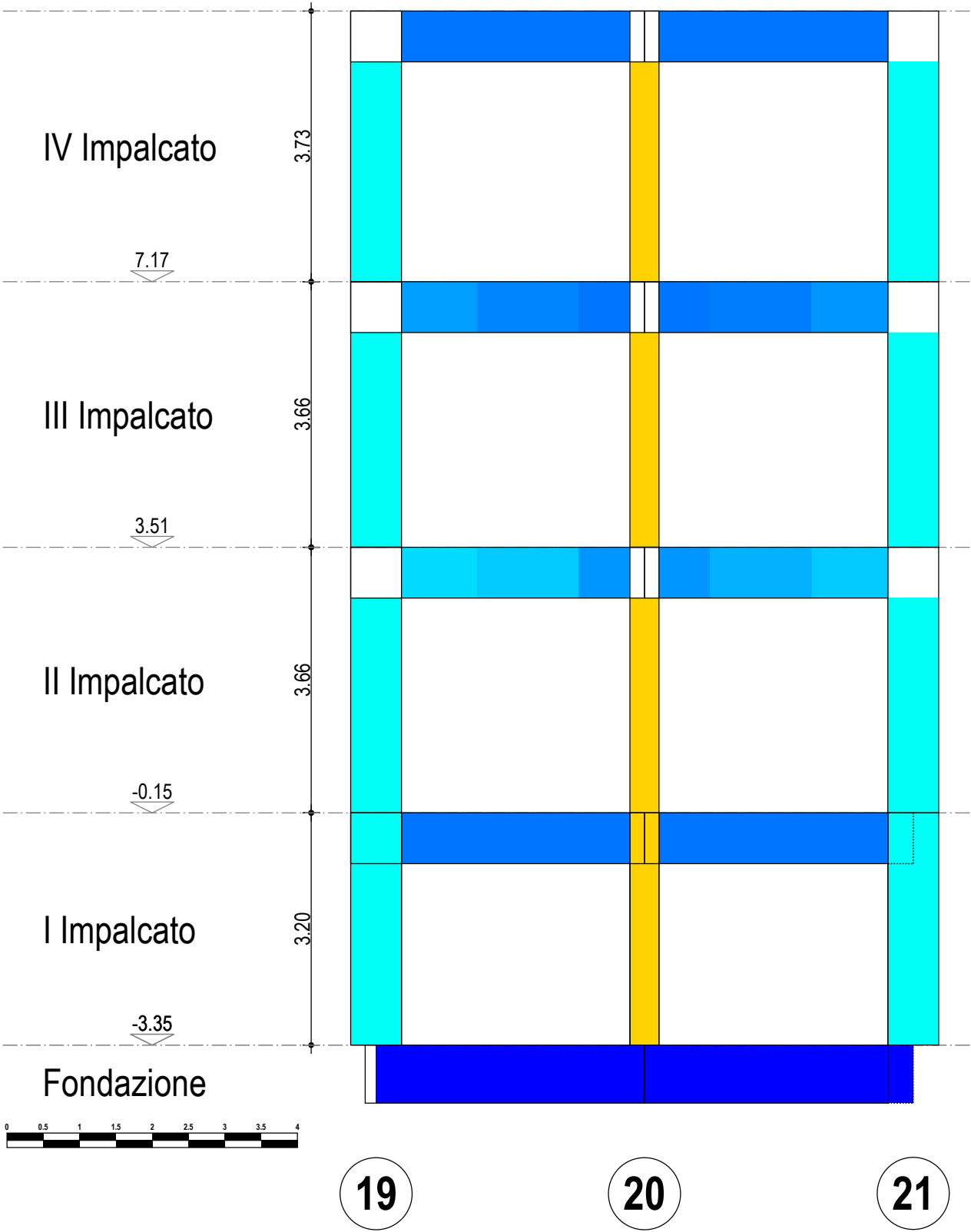
Telaio 16-17-18

ARMATURE A FLESSIONE



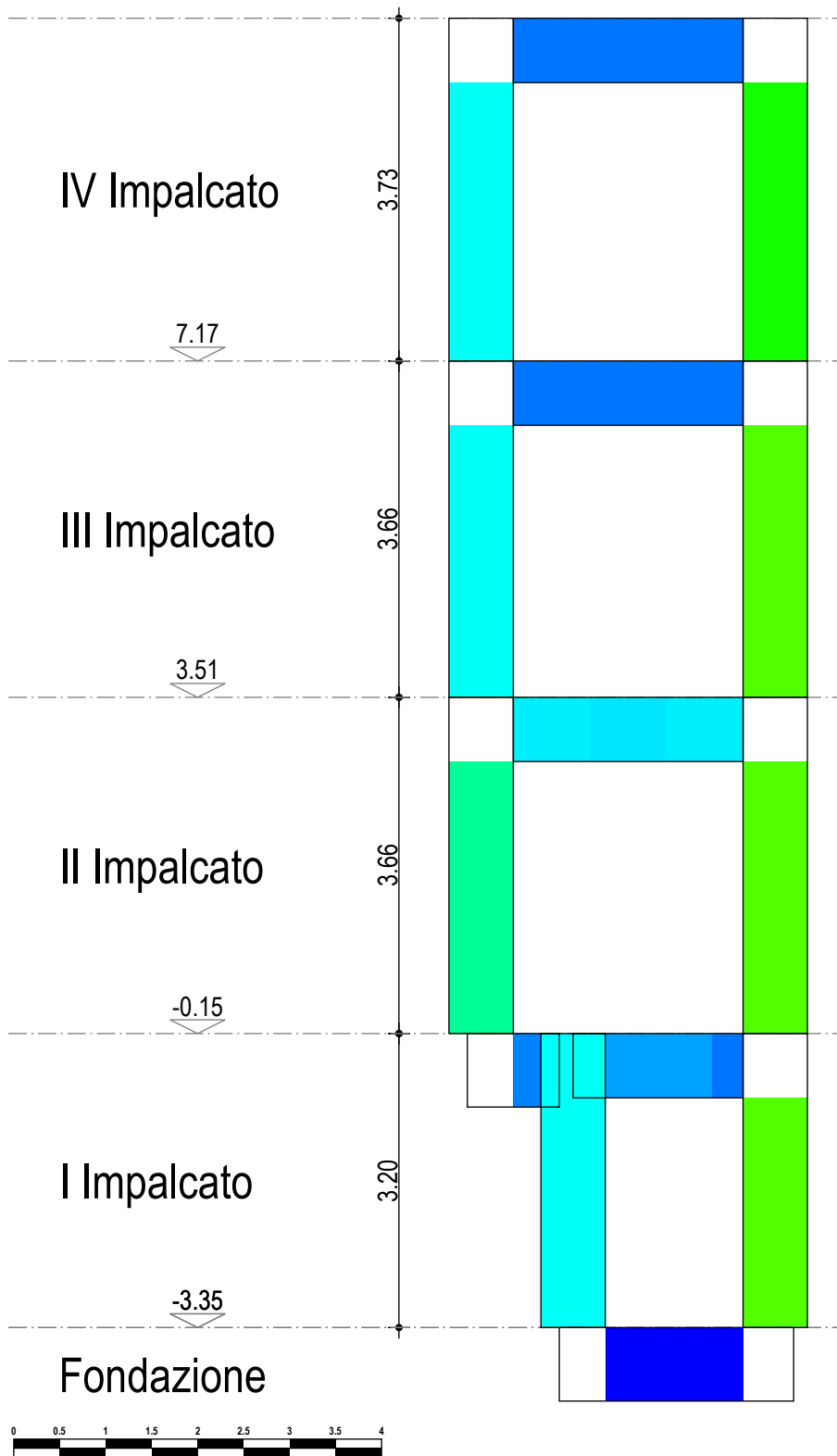
Telaio 19-20-21

ARMATURE A FLESSIONE



Telaio 1-4-8

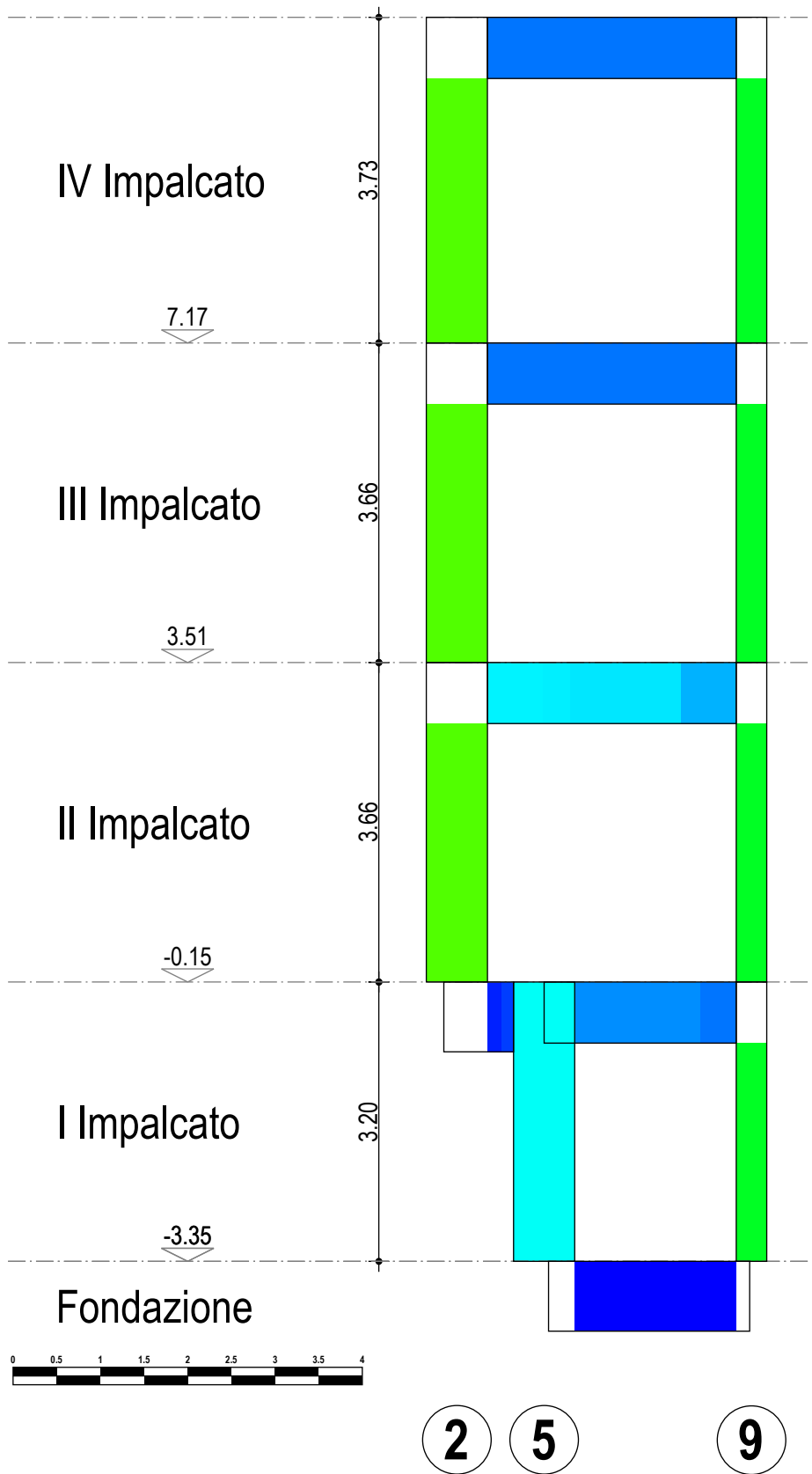
ARMATURE A FLESSIONE



1 4 8

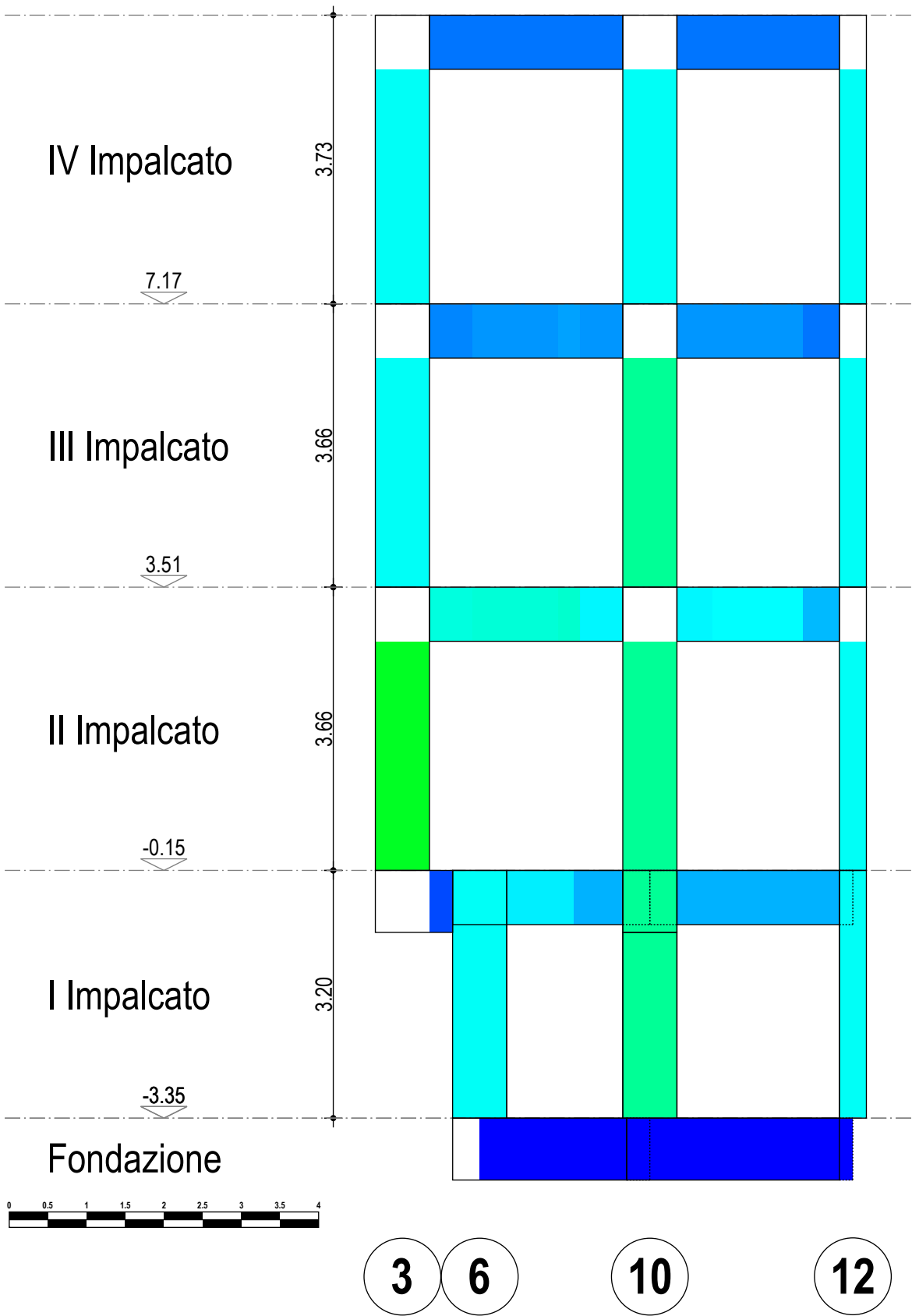
Telaio 2-5-9

ARMATURE A FLESSIONE



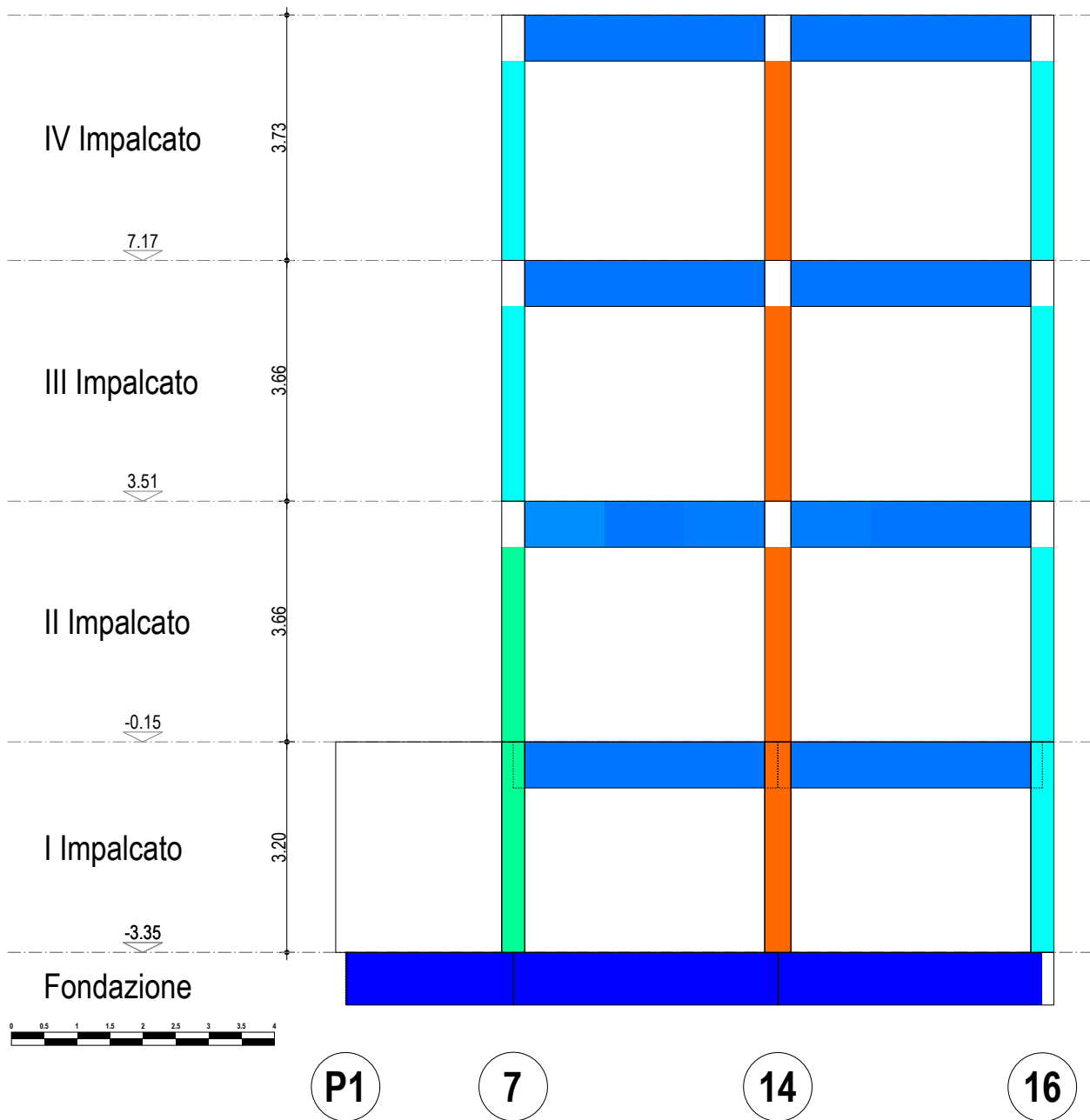
Telaio 3-6-10-12

ARMATURE A FLESSIONE

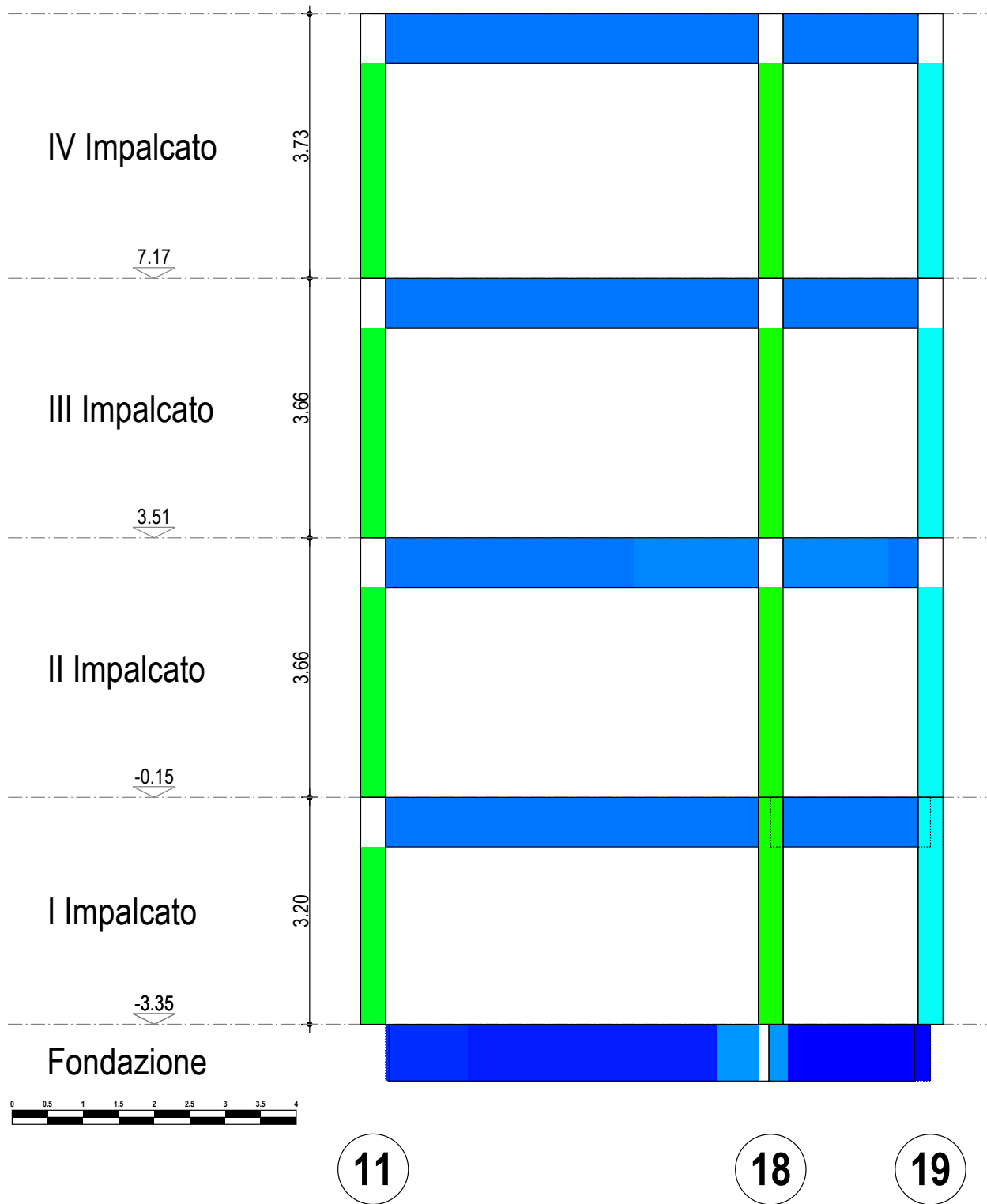


Telaio P1-7-14-16

ARMATURE A FLESSIONE

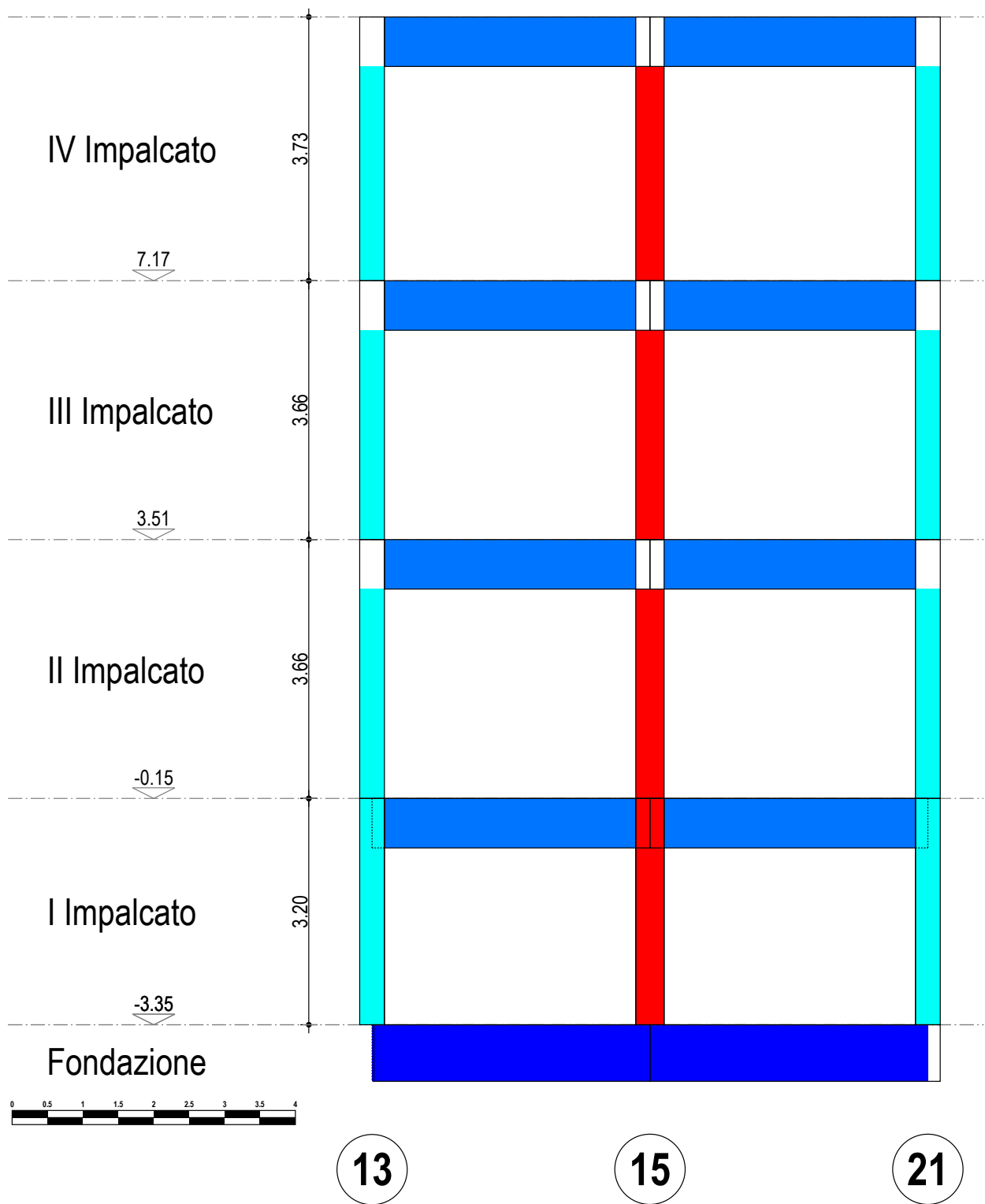


Telaio 11-18-19
ARMATURE A FLESSIONE

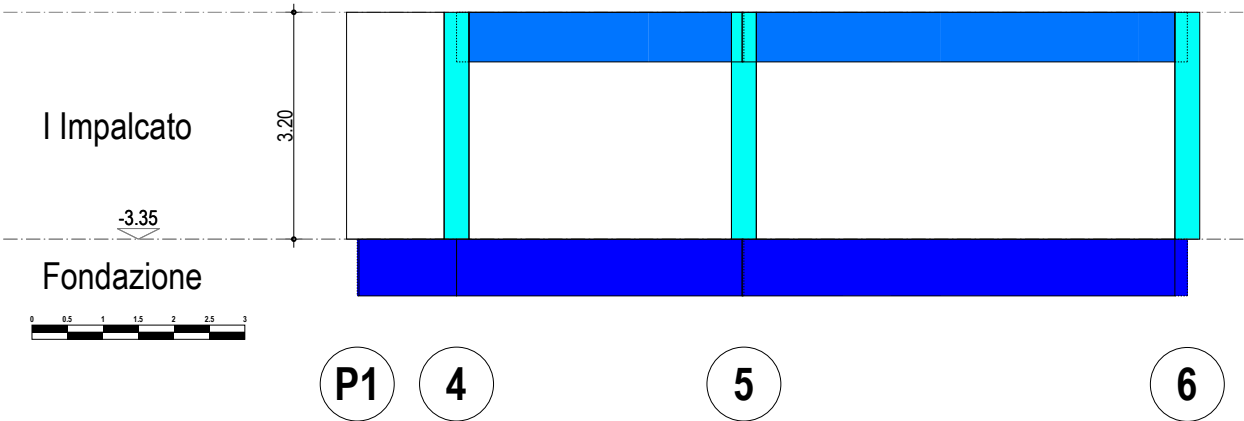


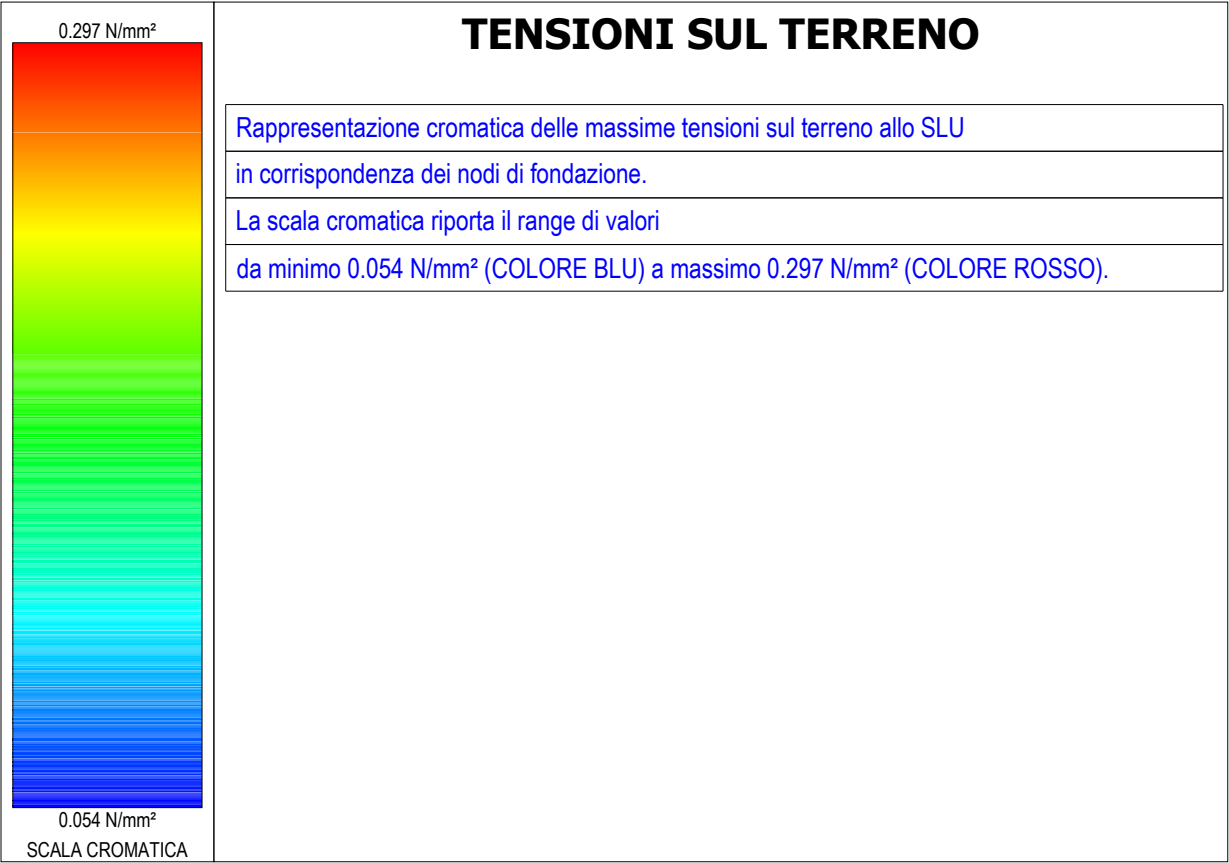
Telaio 13-15-21

ARMATURE A FLESSIONE

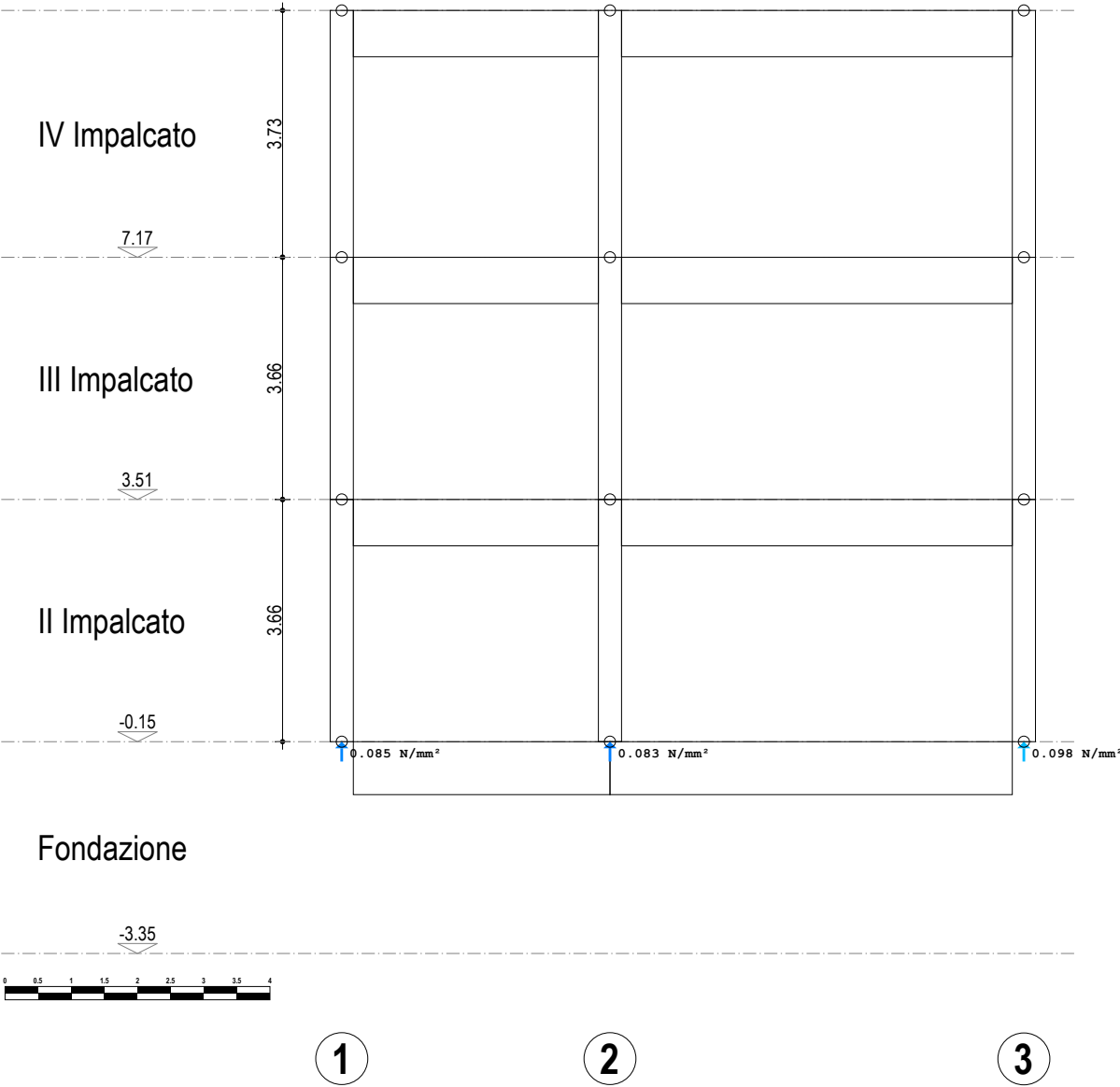


Telaio P1-4-5-6
ARMATURE A FLESSIONE



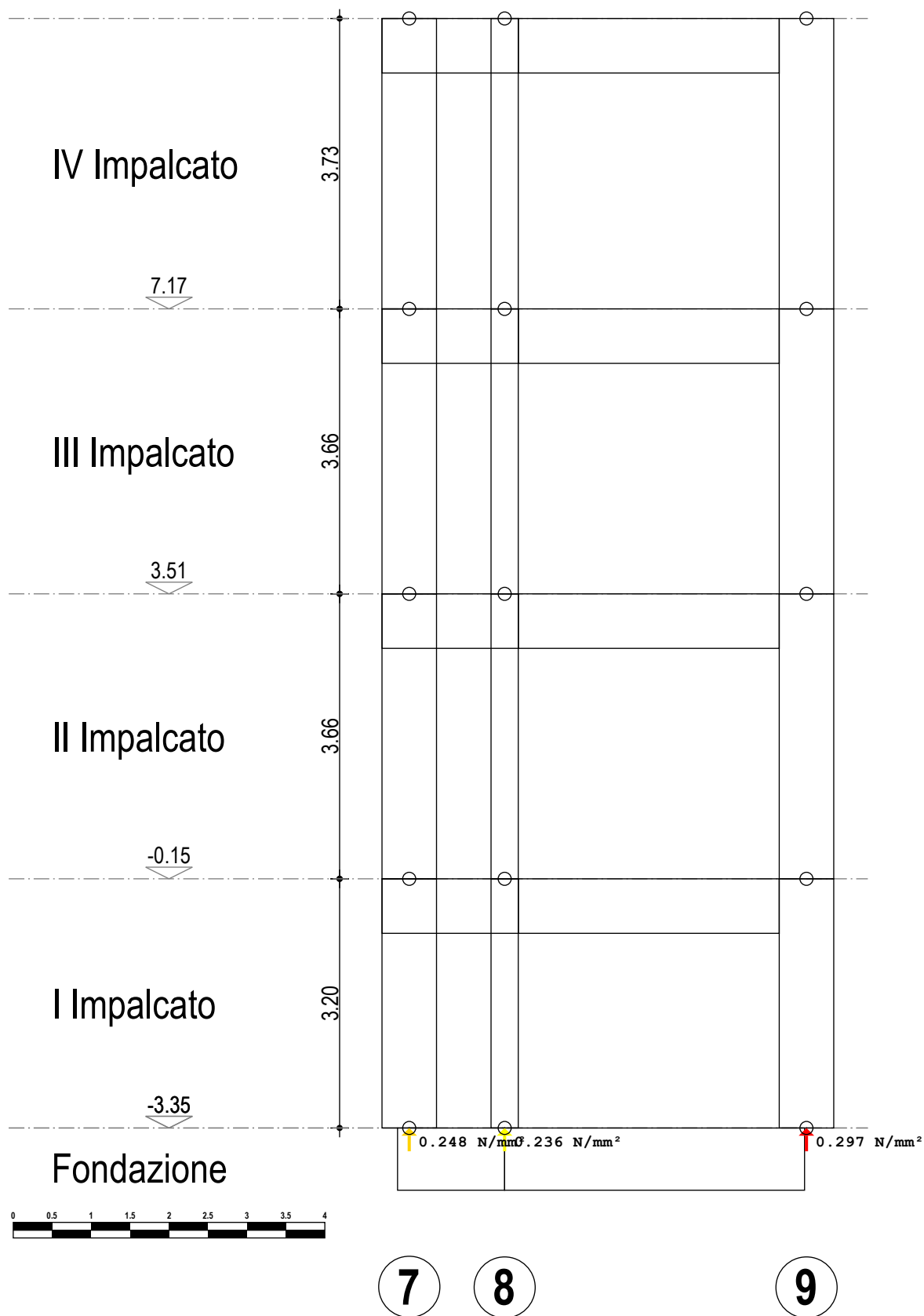


Telaio 1-2-3
TENSIONI SUL TERRENO



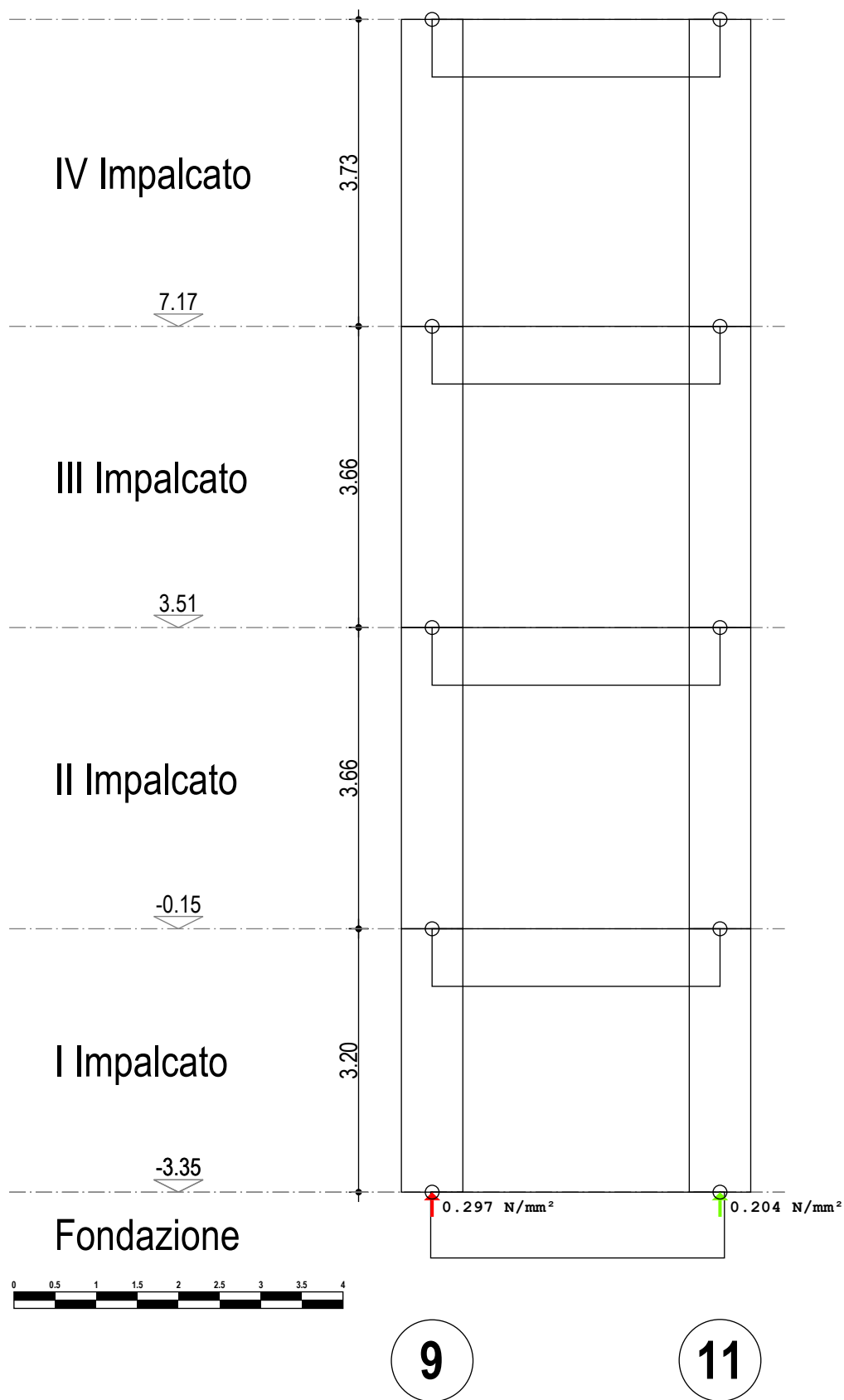
Telaio 7-8-9

TENSIONI SUL TERRENO



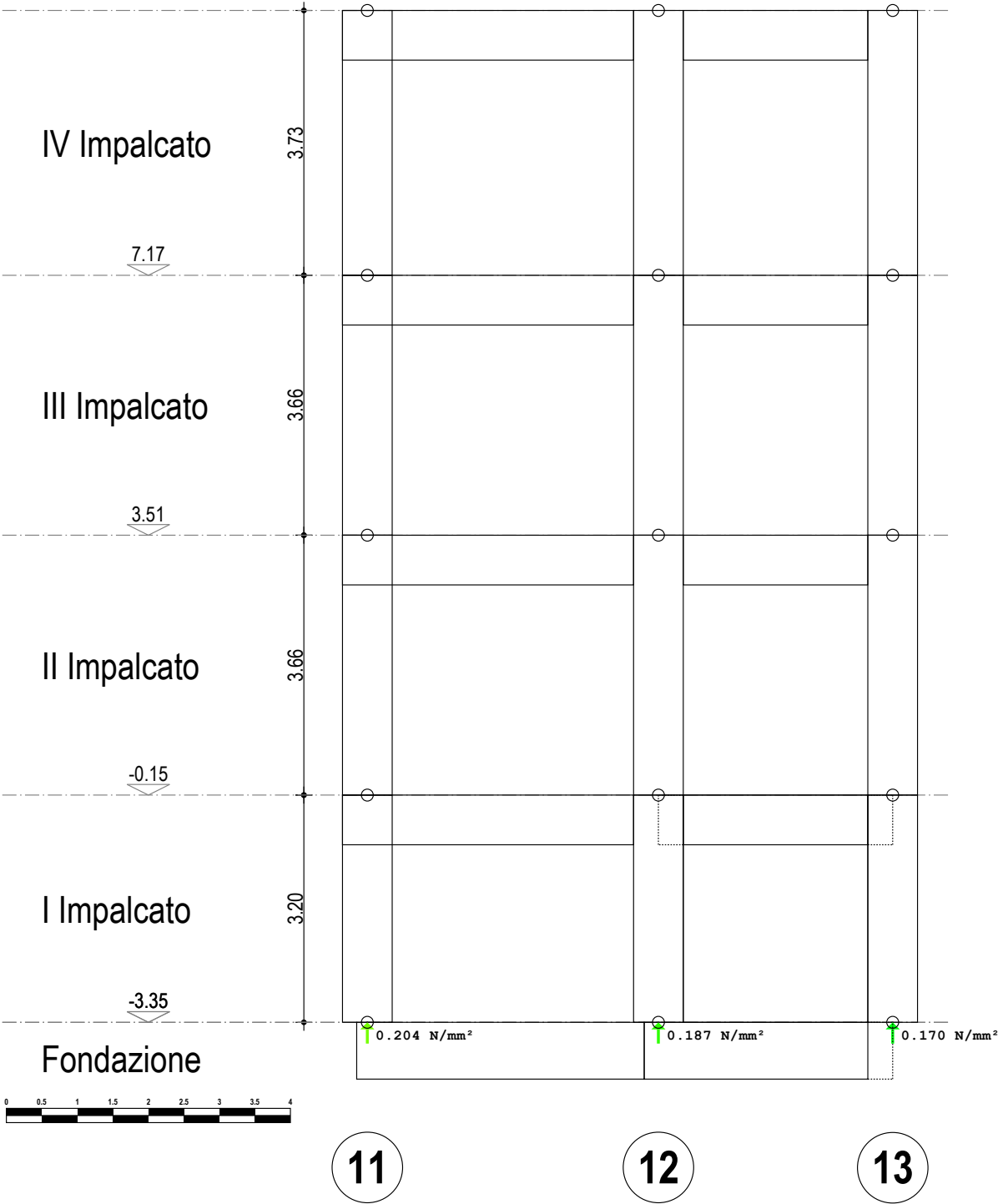
Telaio 9-11

TENSIONI SUL TERRENO



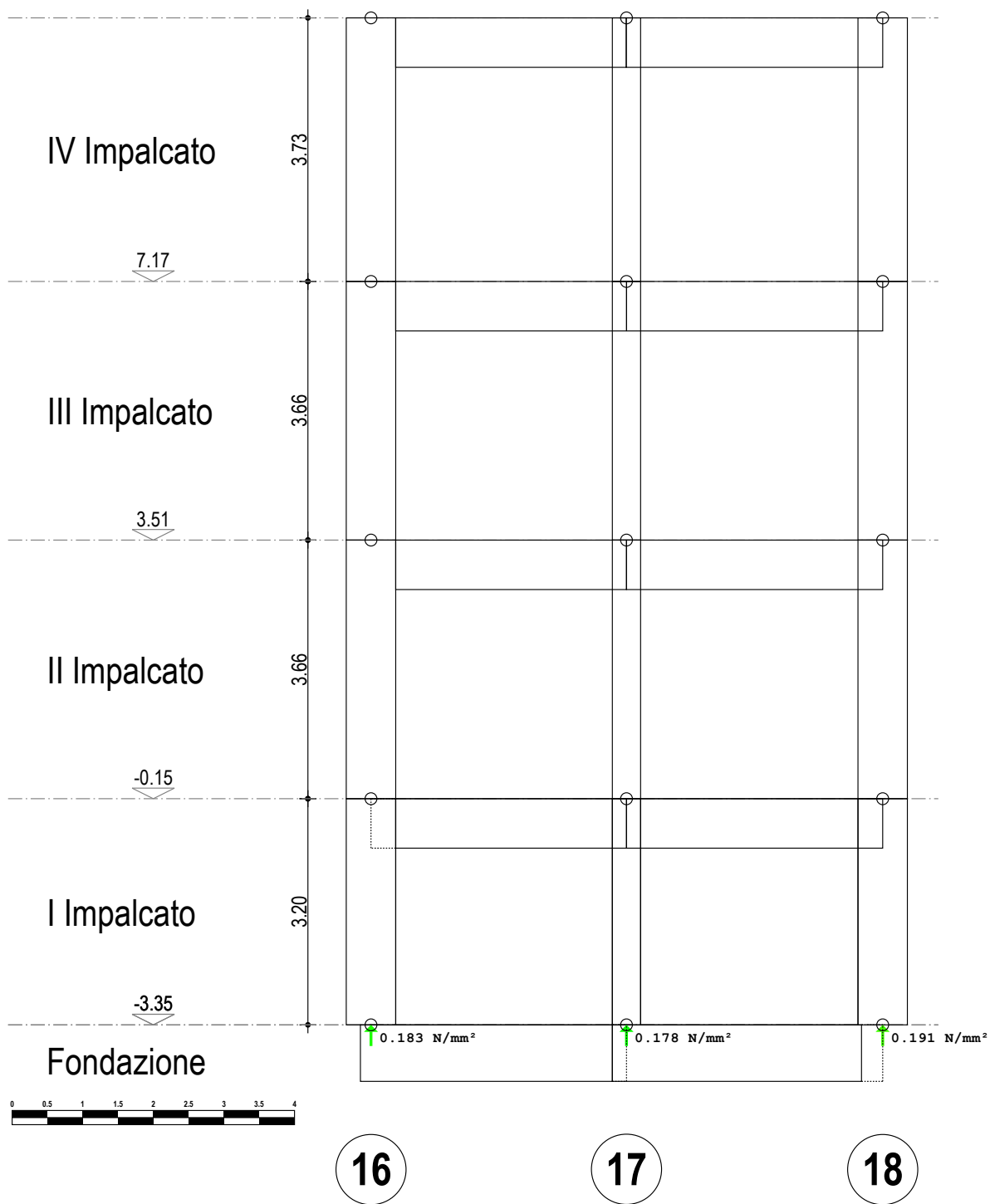
Telaio 11-12-13

TENSIONI SUL TERRENO



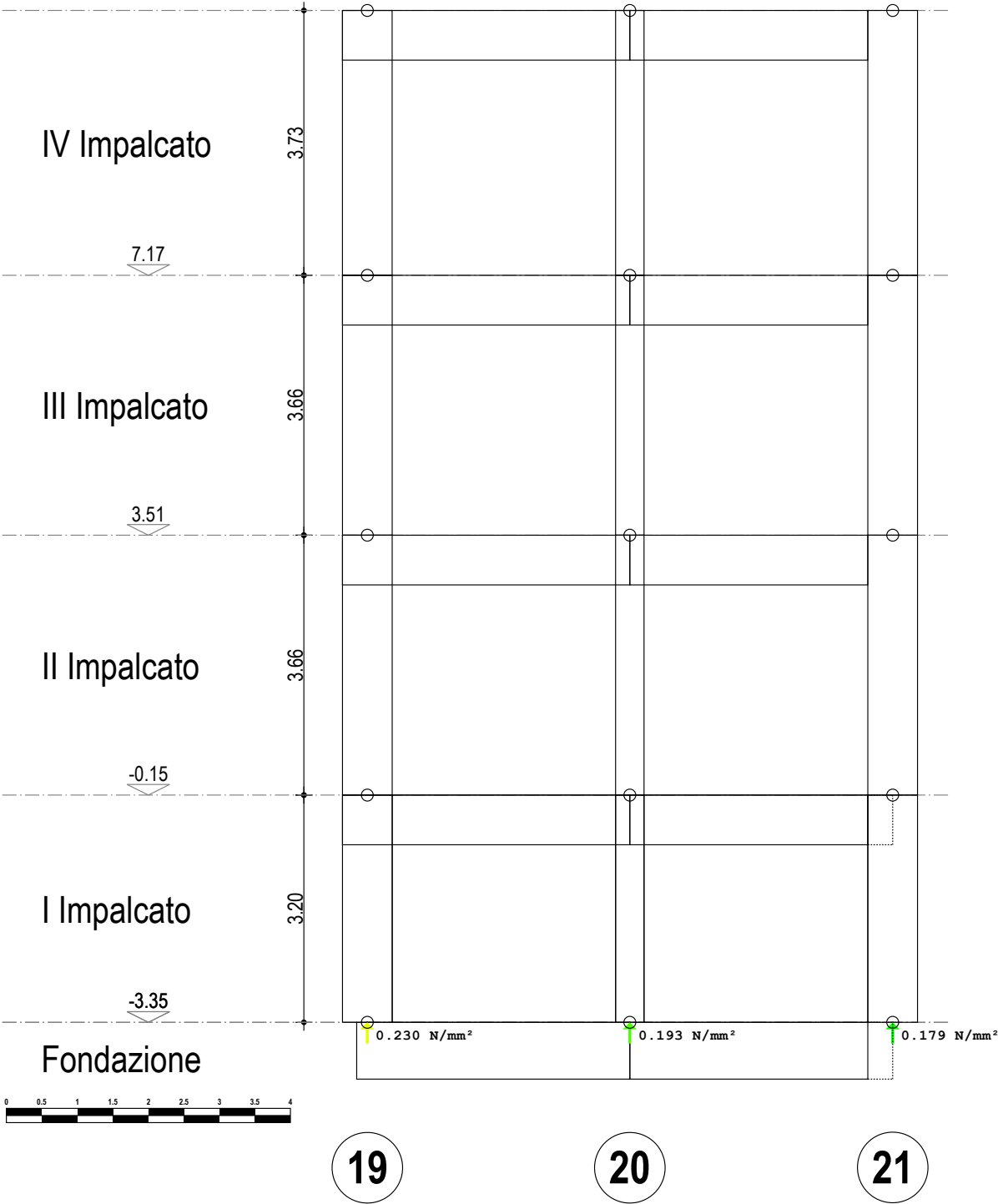
Telaio 16-17-18

TENSIONI SUL TERRENO



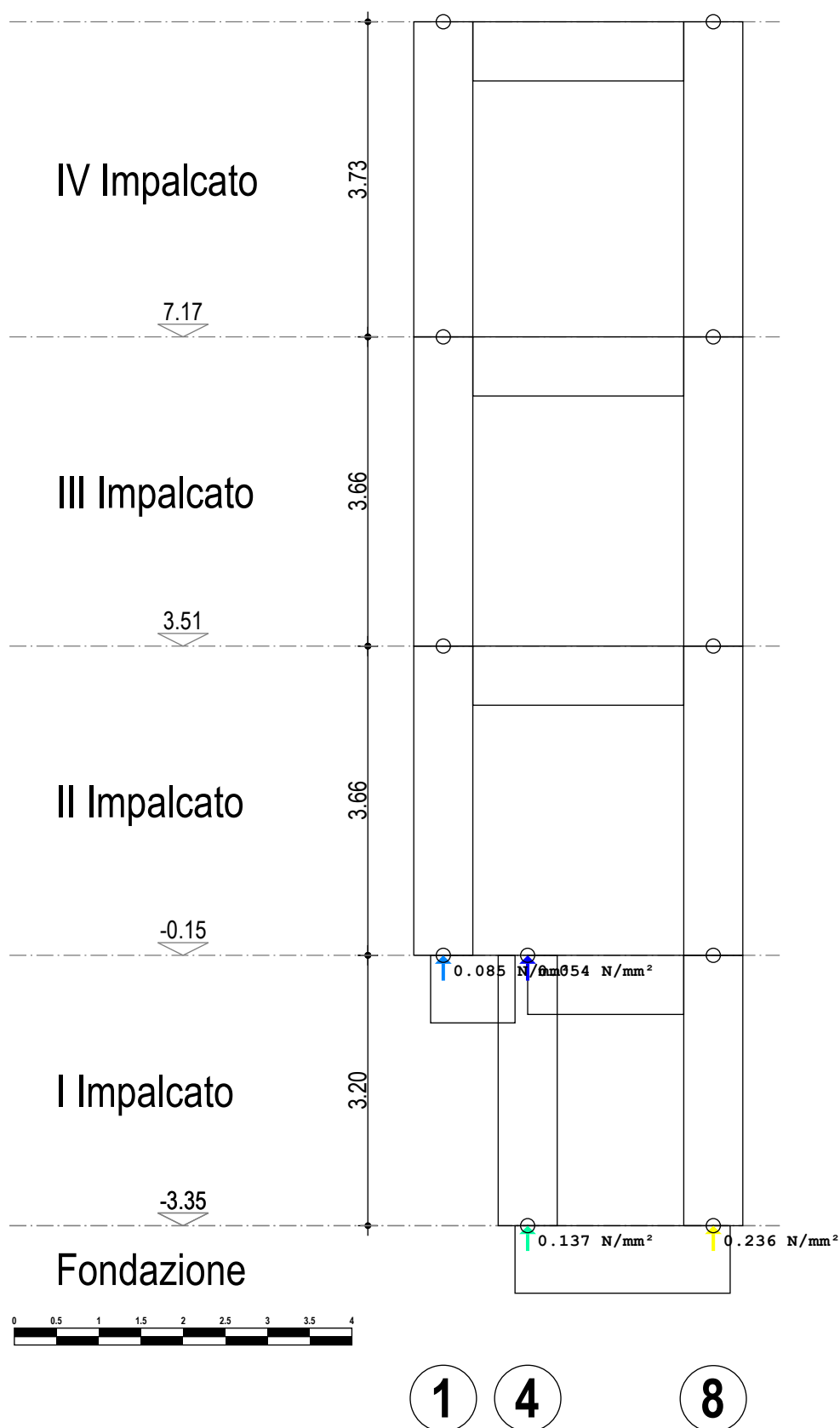
Telaio 19-20-21

TENSIONI SUL TERRENO



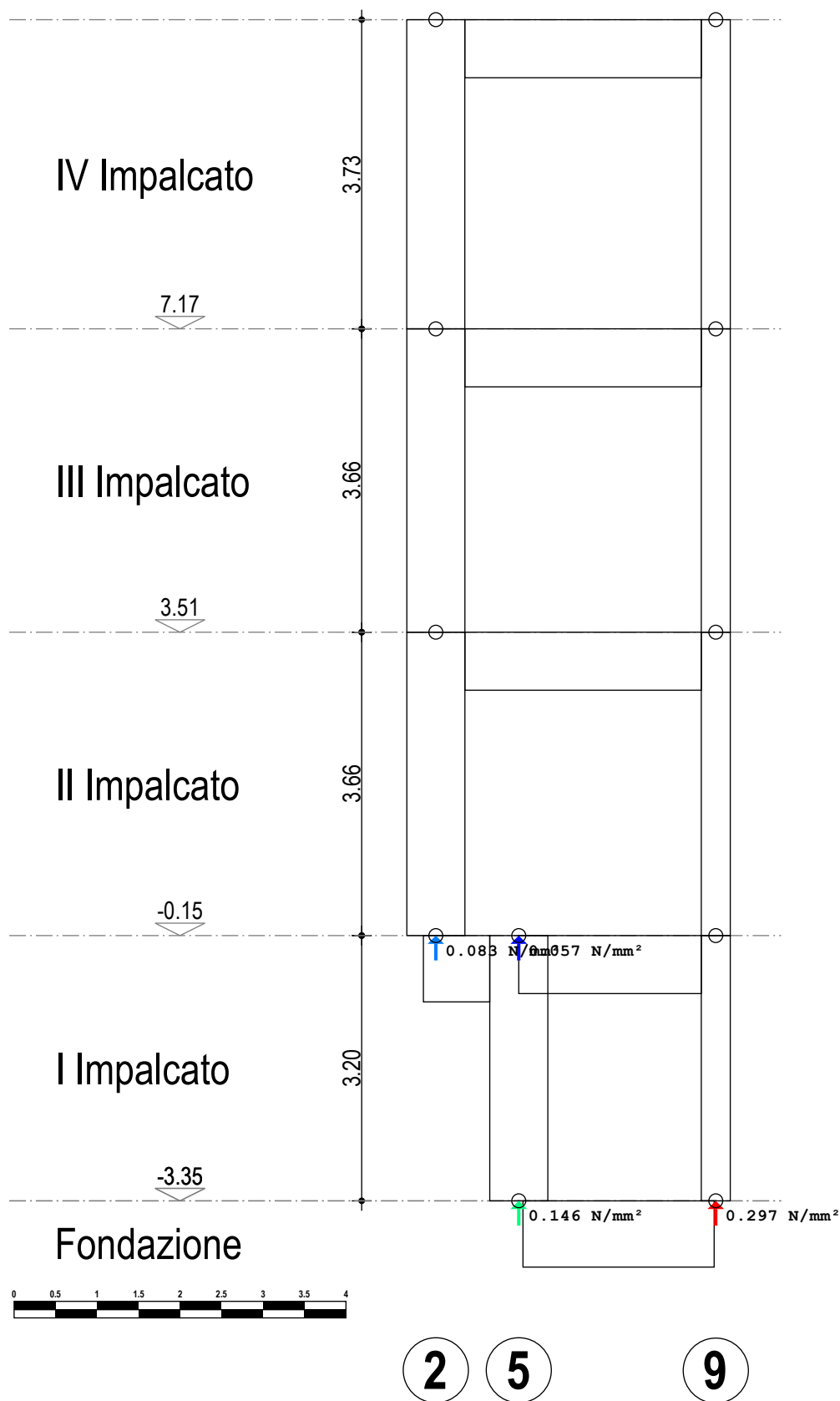
Telaio 1-4-8

TENSIONI SUL TERRENO



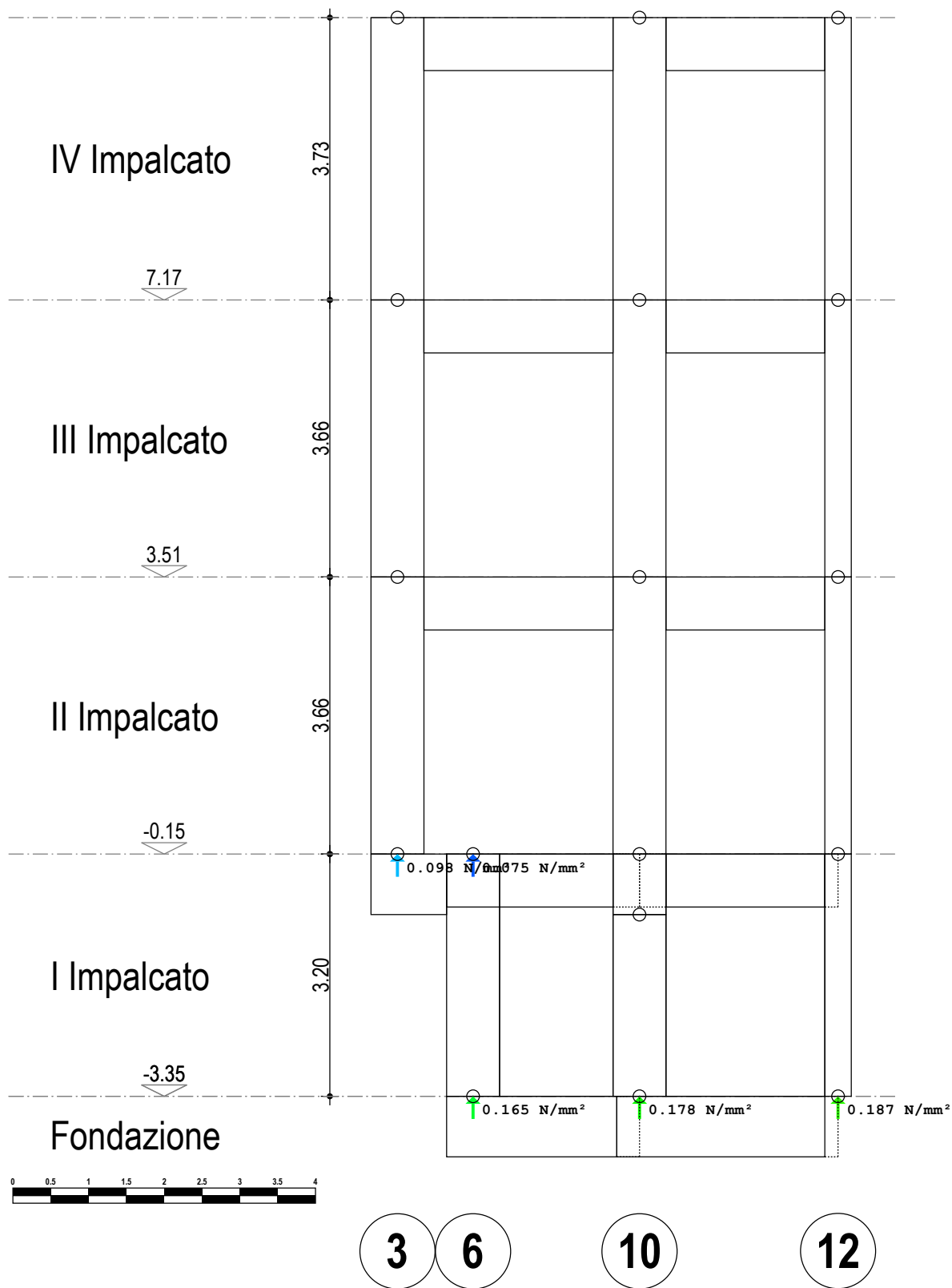
Telaio 2-5-9

TENSIONI SUL TERRENO

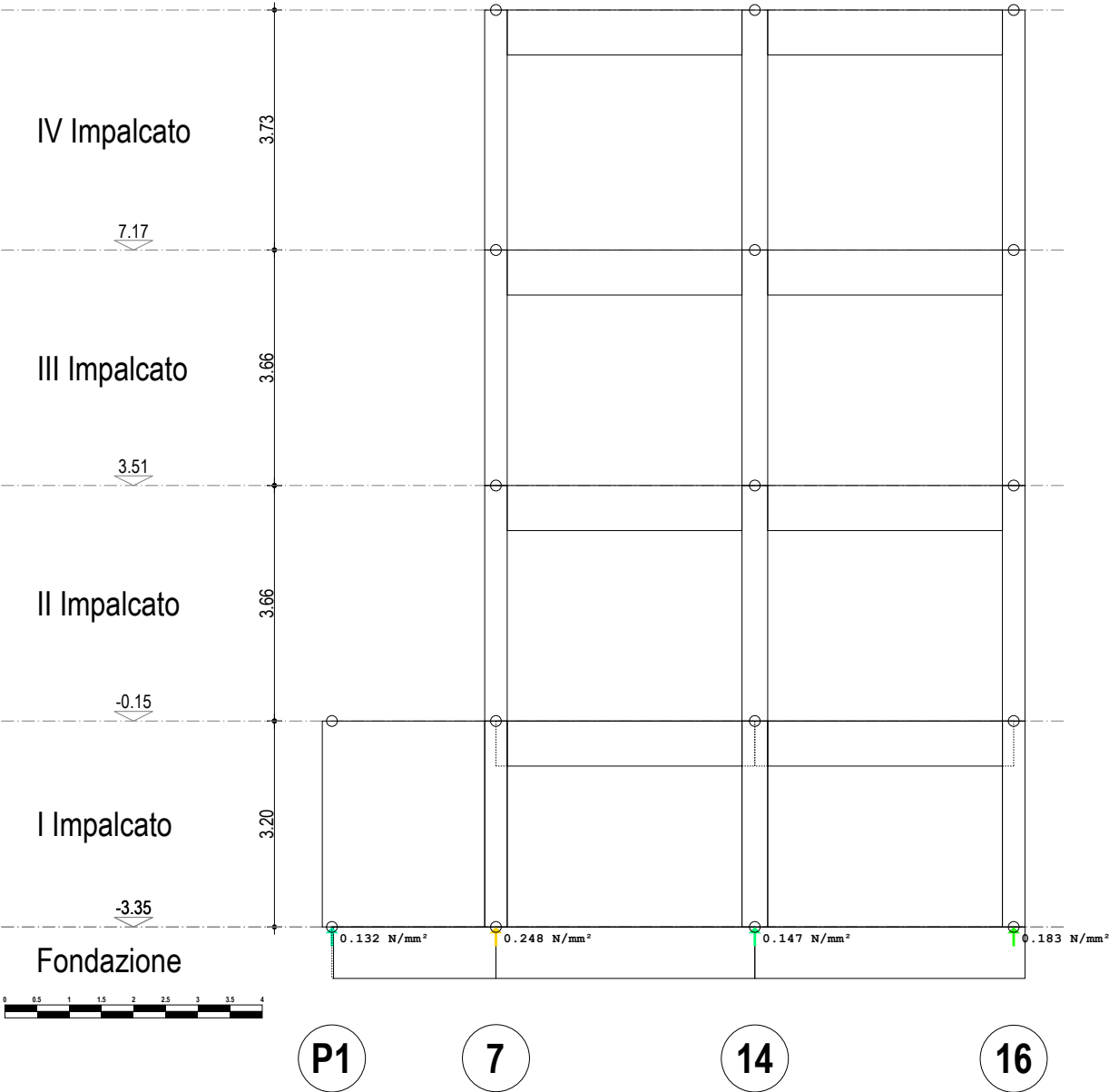


Telaio 3-6-10-12

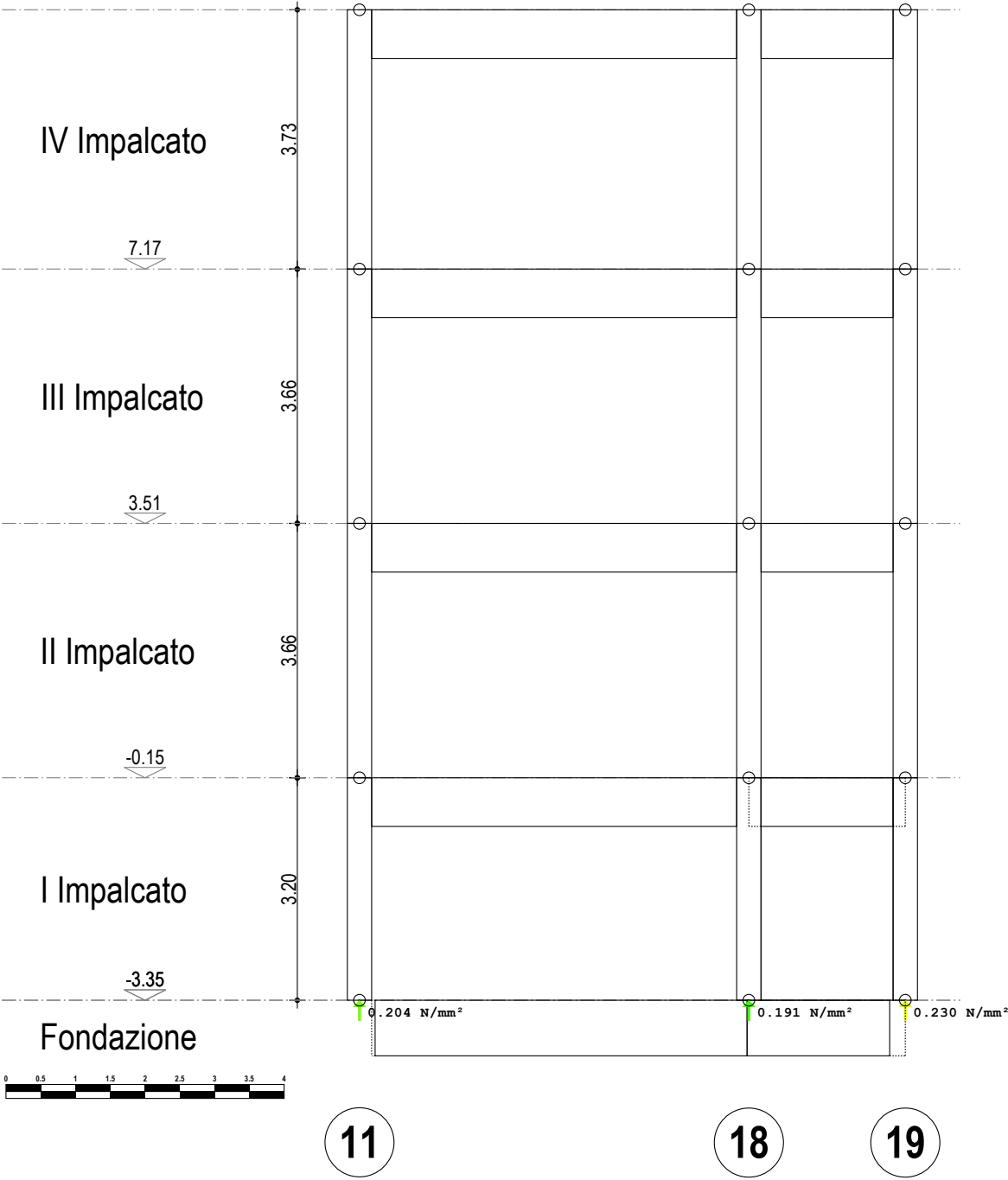
TENSIONI SUL TERRENO



Telaio P1-7-14-16
TENSIONI SUL TERRENO

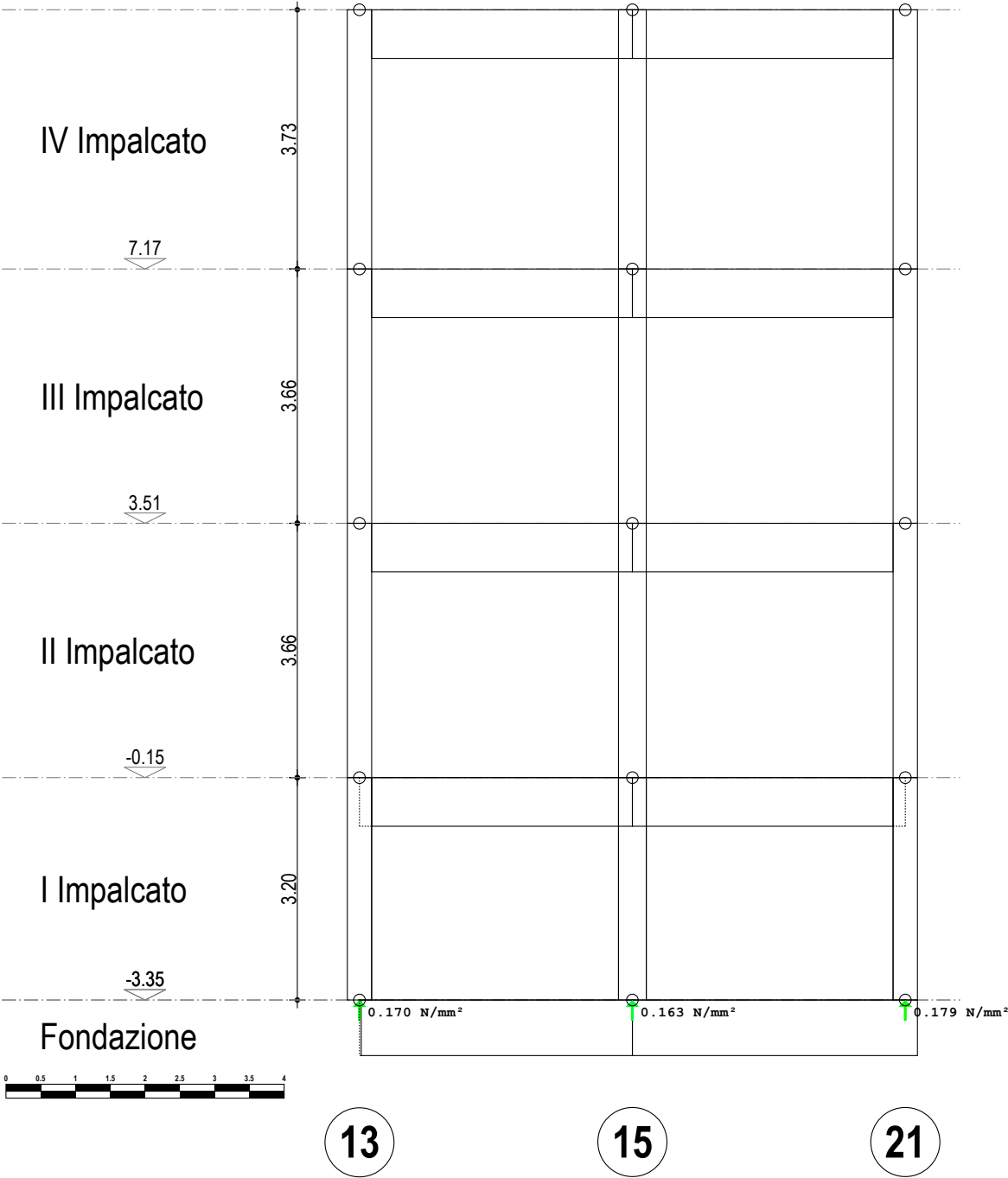


Telaio 11-18-19
TENSIONI SUL TERRENO

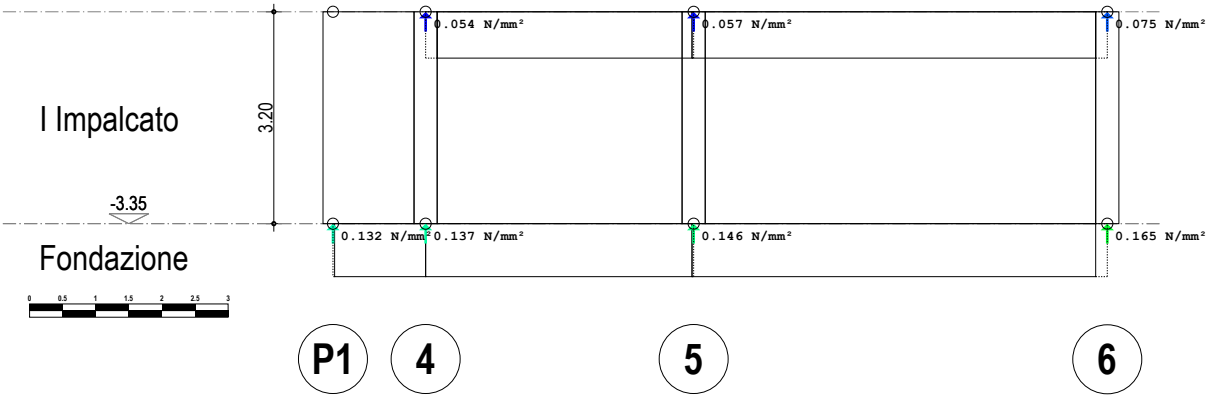


Telaio 13-15-21

TENSIONI SUL TERRENO



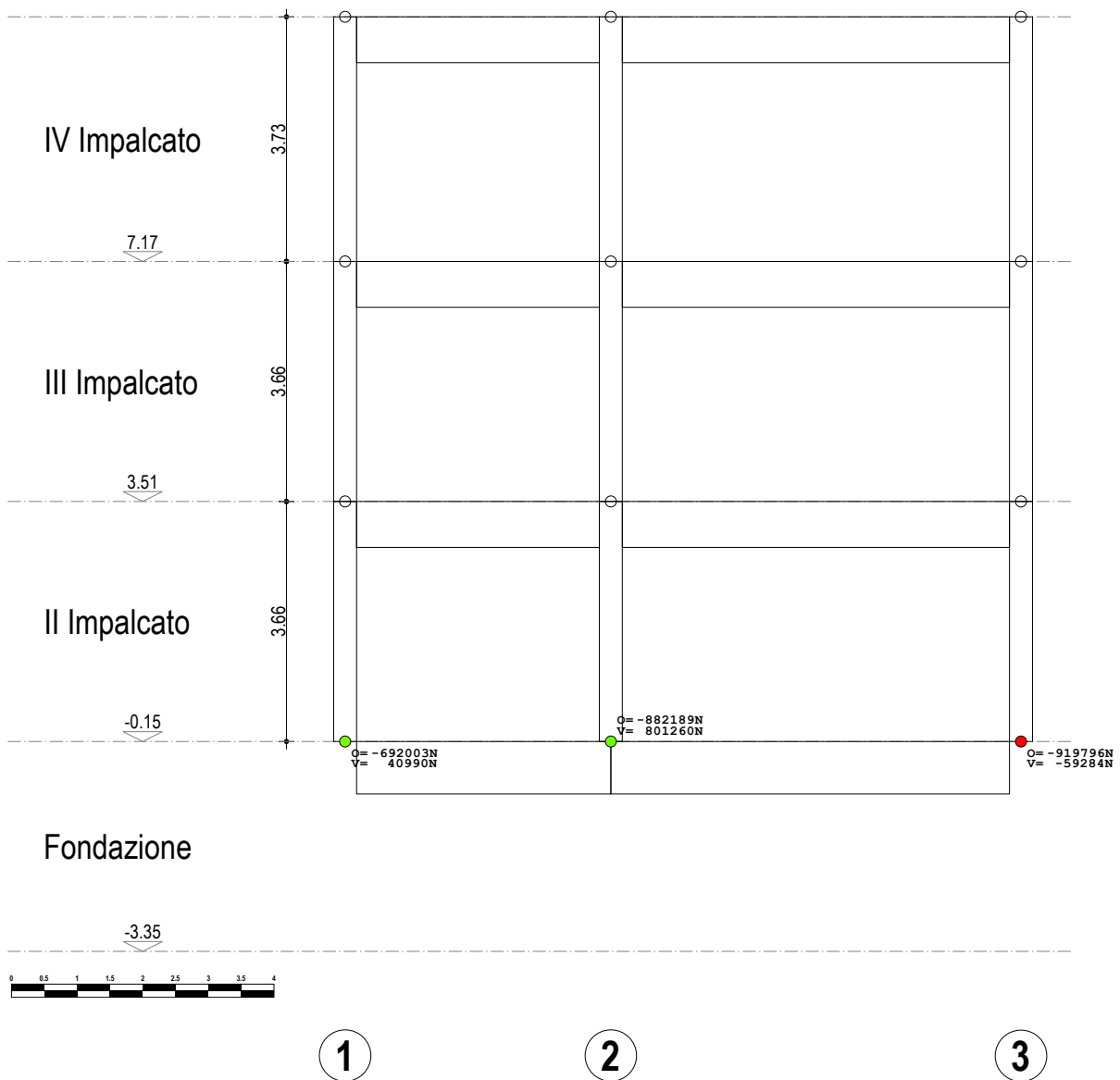
Telaio P1-4-5-6
TENSIONI SUL TERRENO





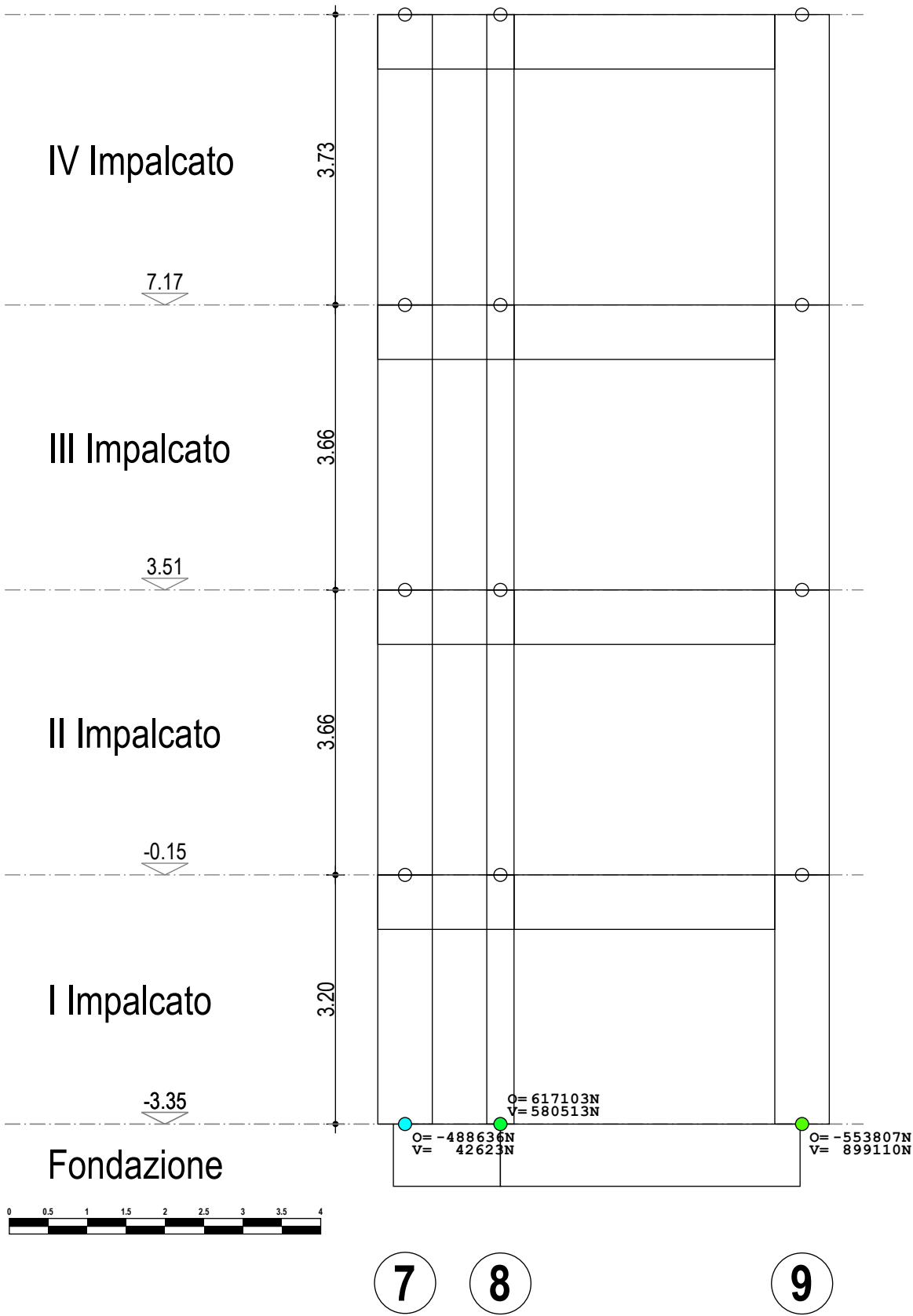
Telaio 1-2-3

REAZIONI VINCOLARI



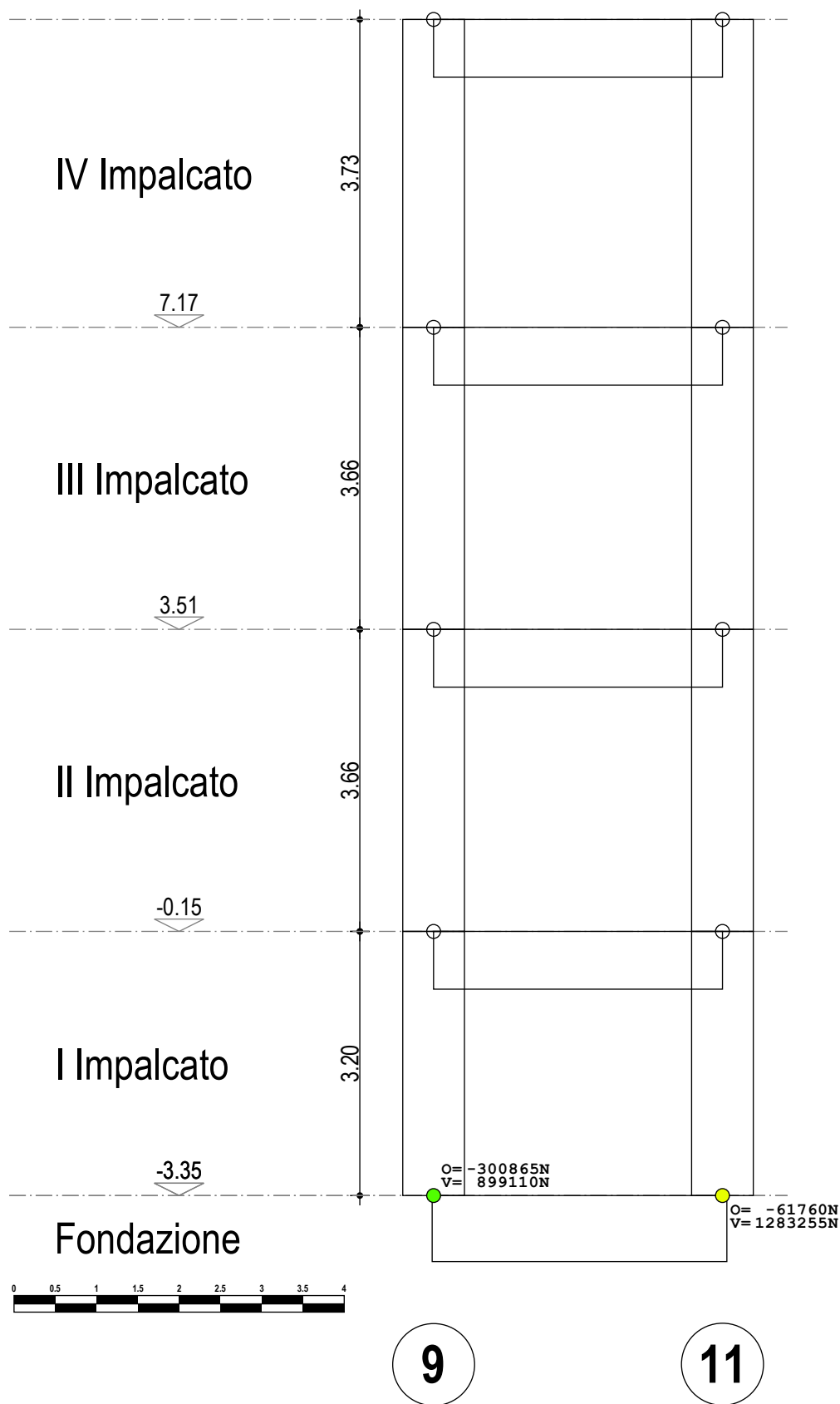
Telaio 7-8-9

REAZIONI VINCOLARI



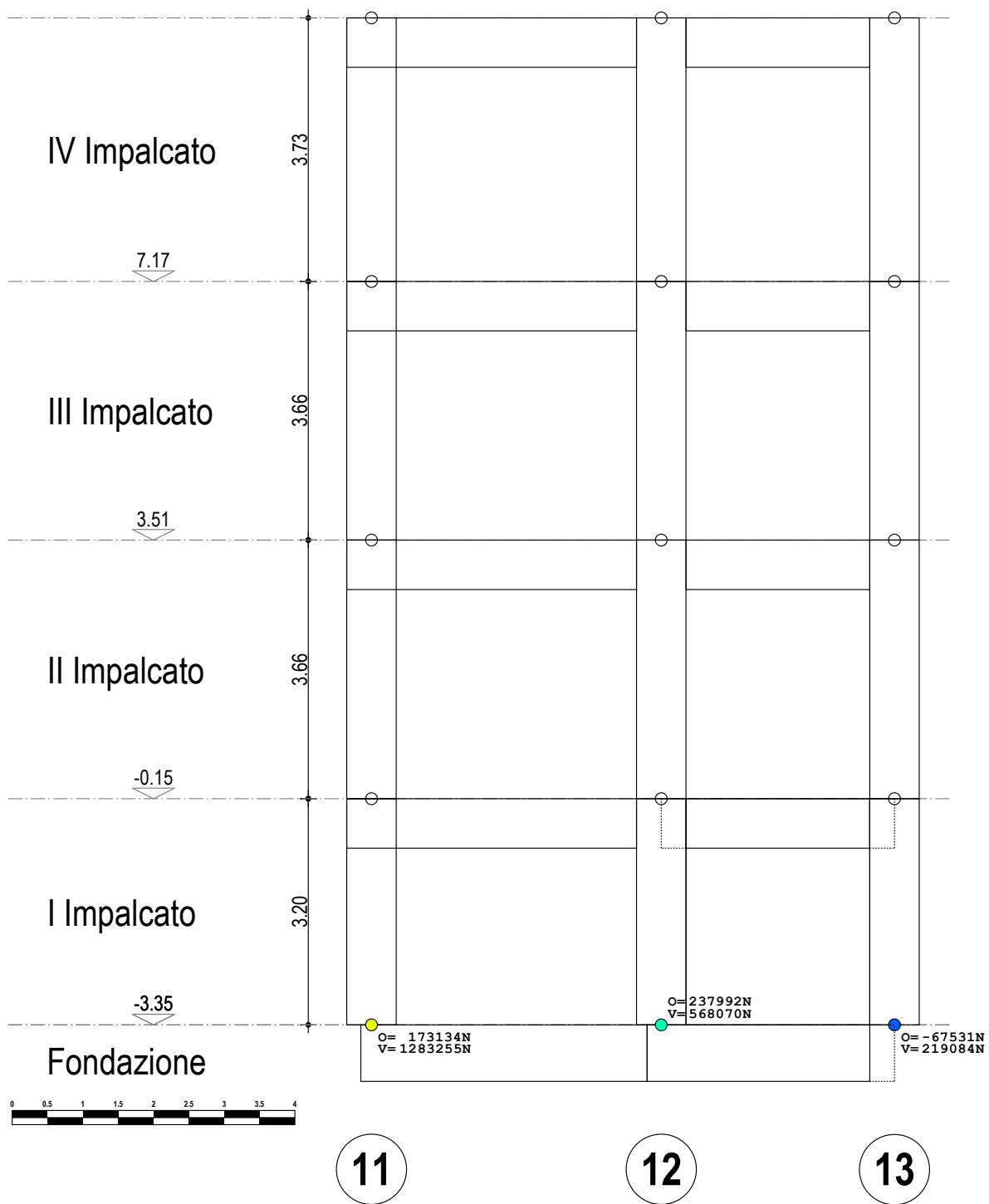
Telaio 9-11

REAZIONI VINCOLARI



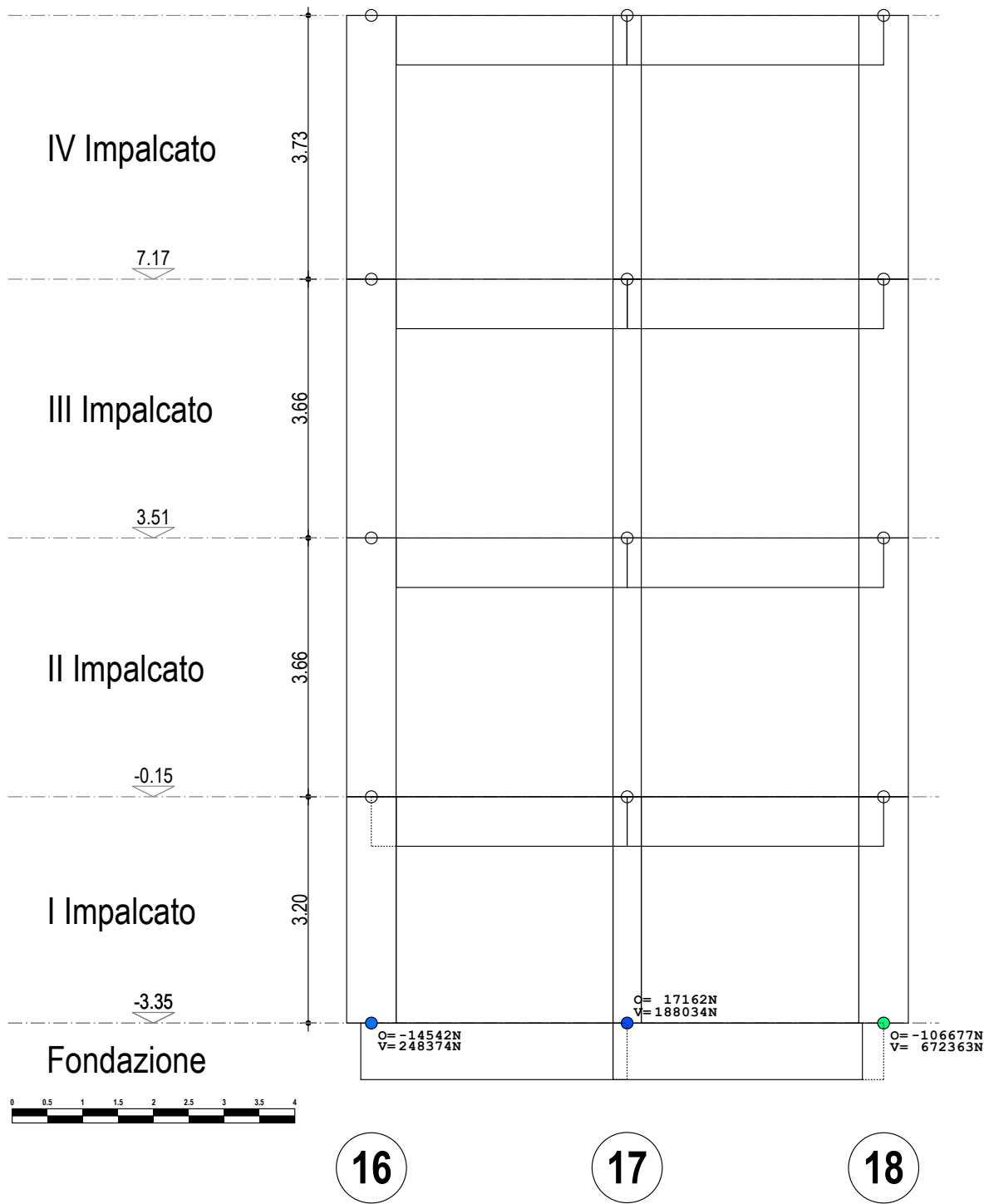
Telaio 11-12-13

REAZIONI VINCOLARI



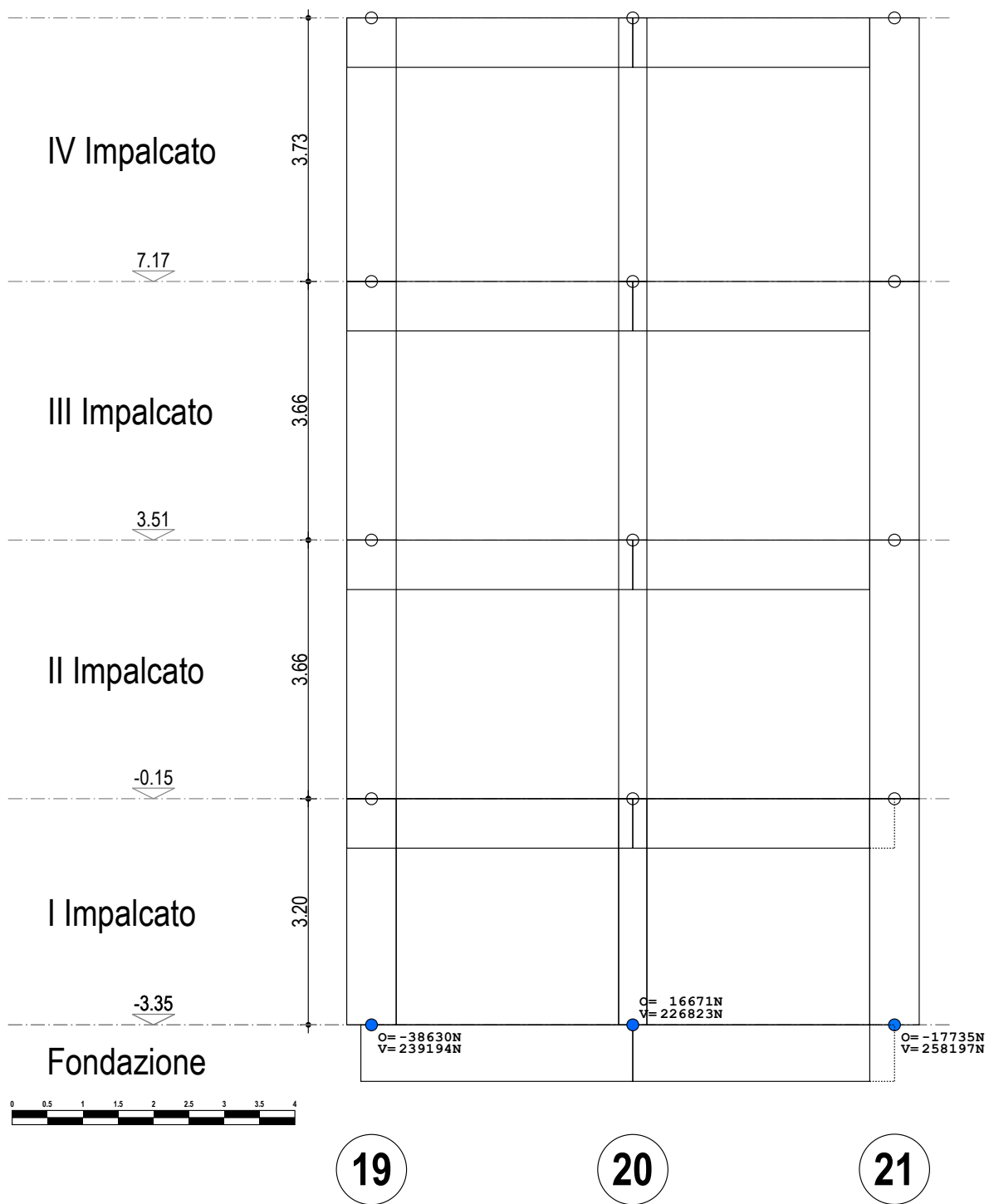
Telaio 16-17-18

REAZIONI VINCOLARI



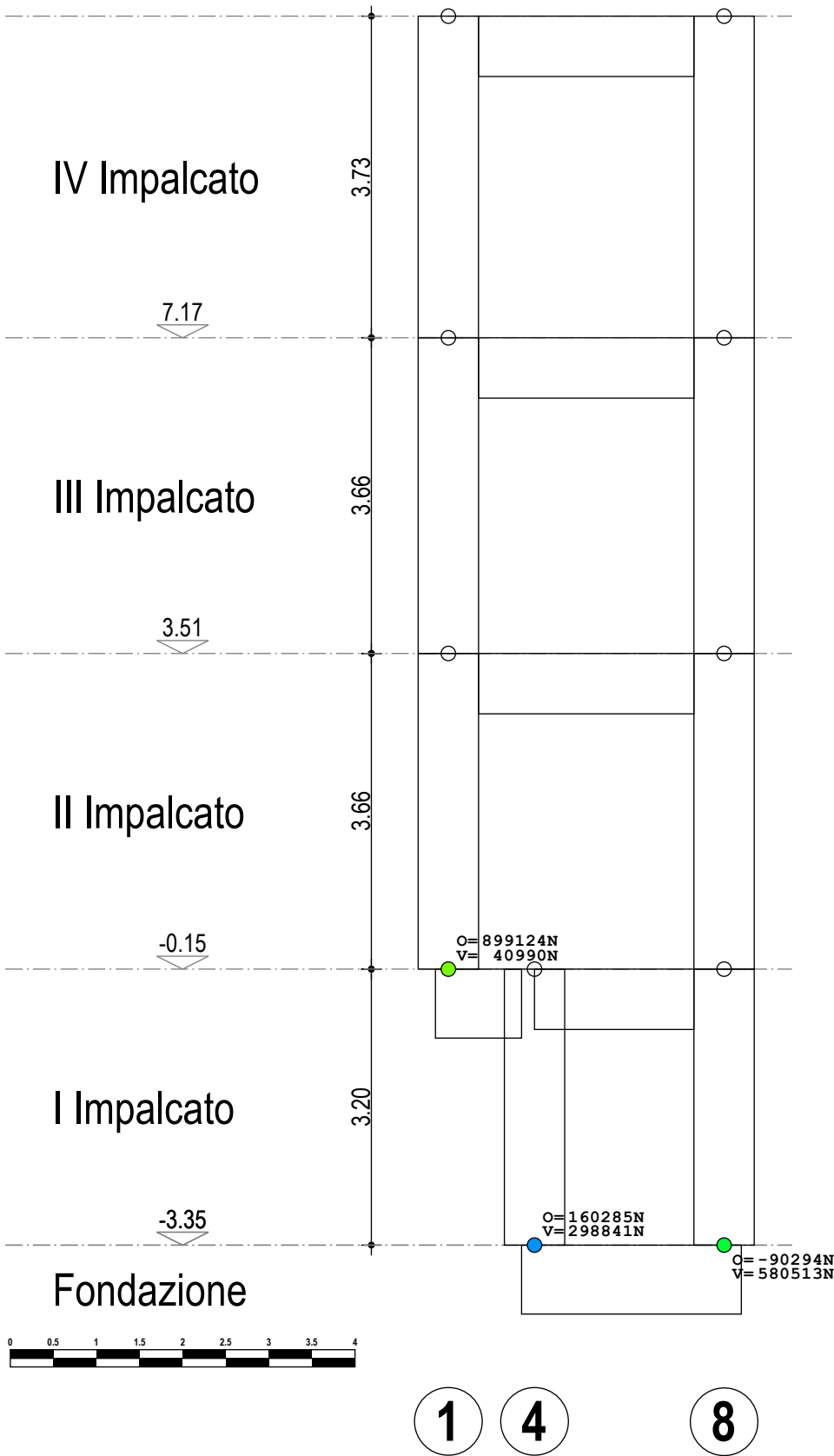
Telaio 19-20-21

REAZIONI VINCOLARI



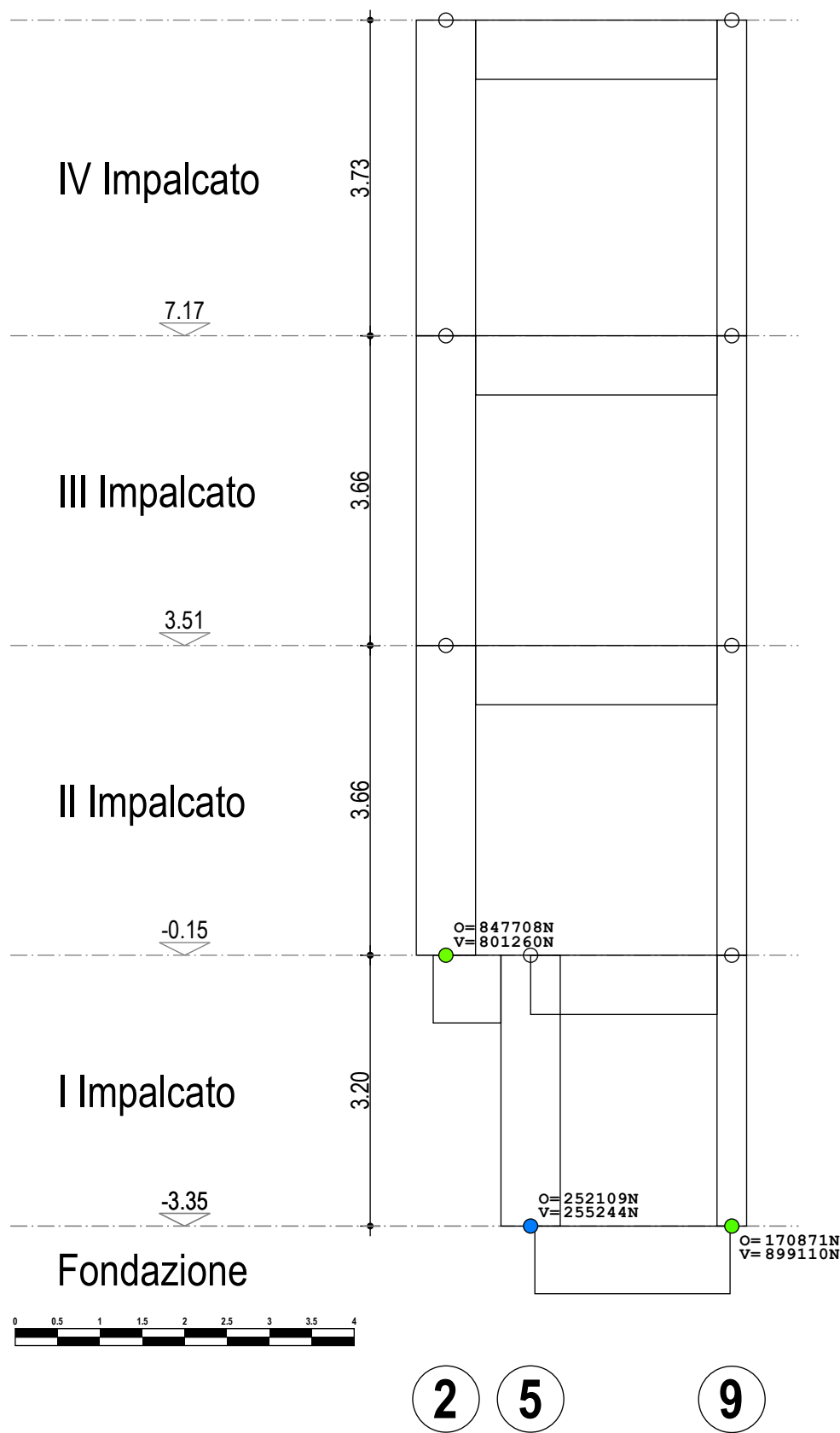
Telaio 1-4-8

REAZIONI VINCOLARI



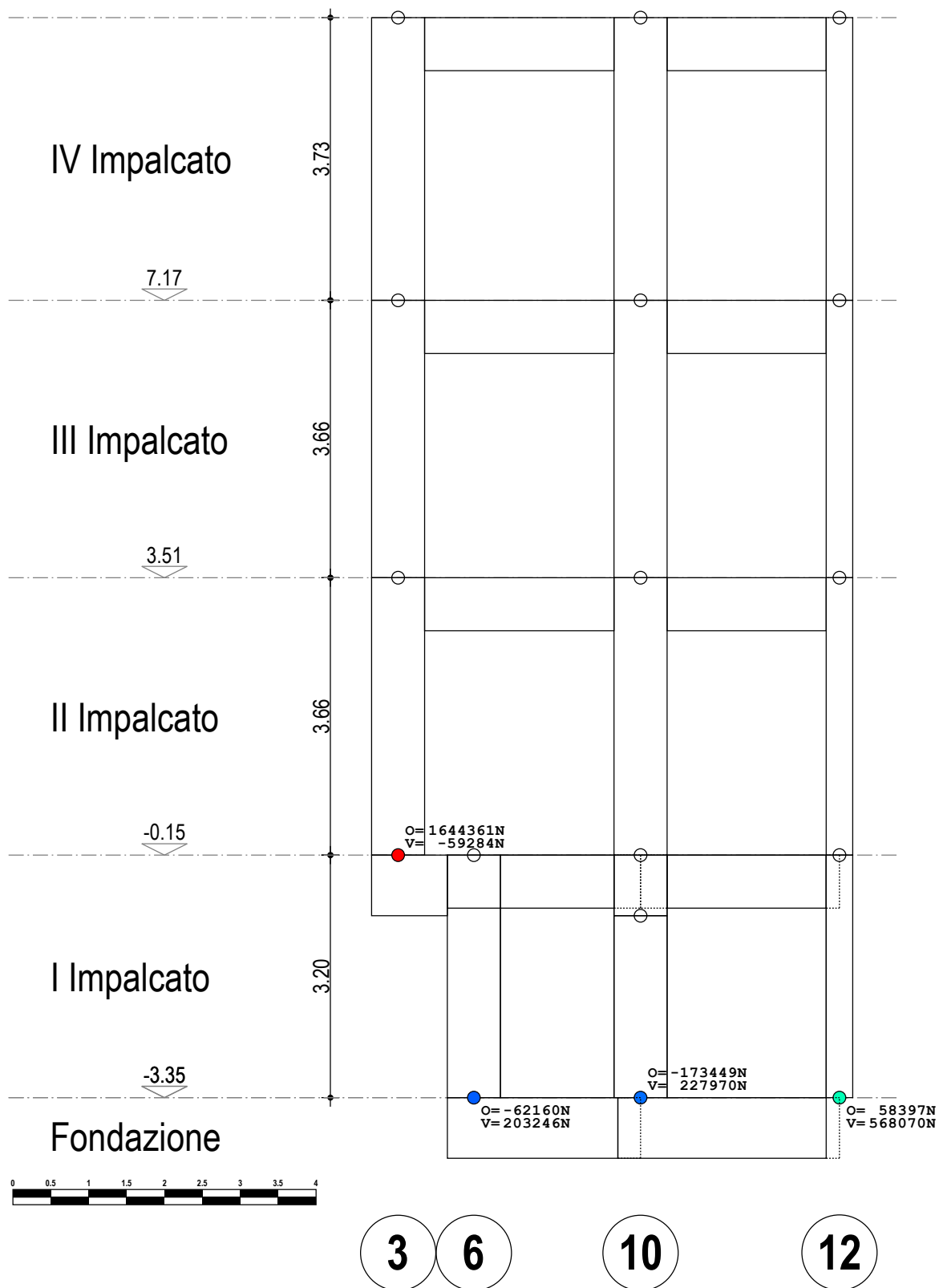
Telaio 2-5-9

REAZIONI VINCOLARI



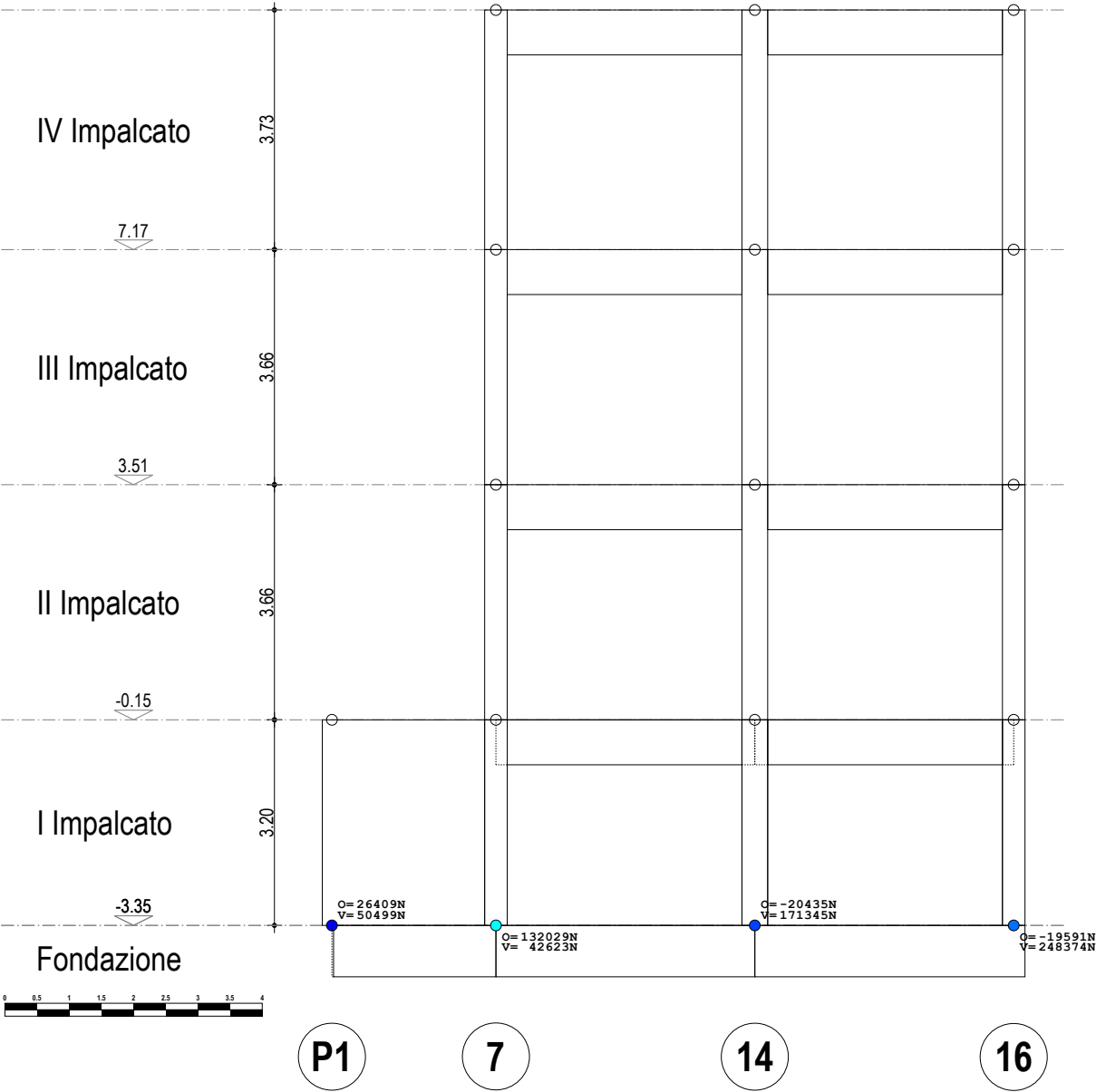
Telaio 3-6-10-12

REAZIONI VINCOLARI



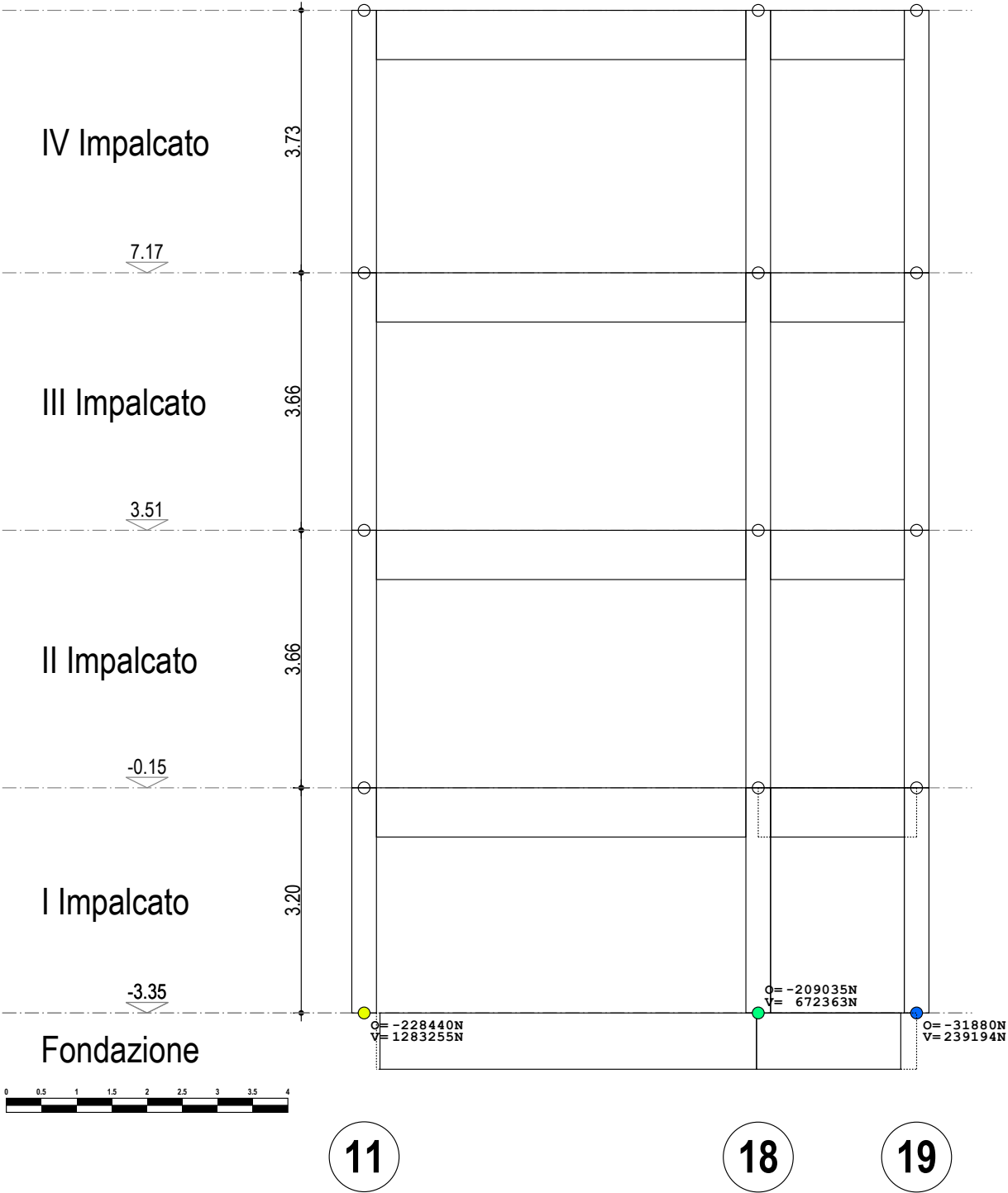
Telaio P1-7-14-16

REAZIONI VINCOLARI



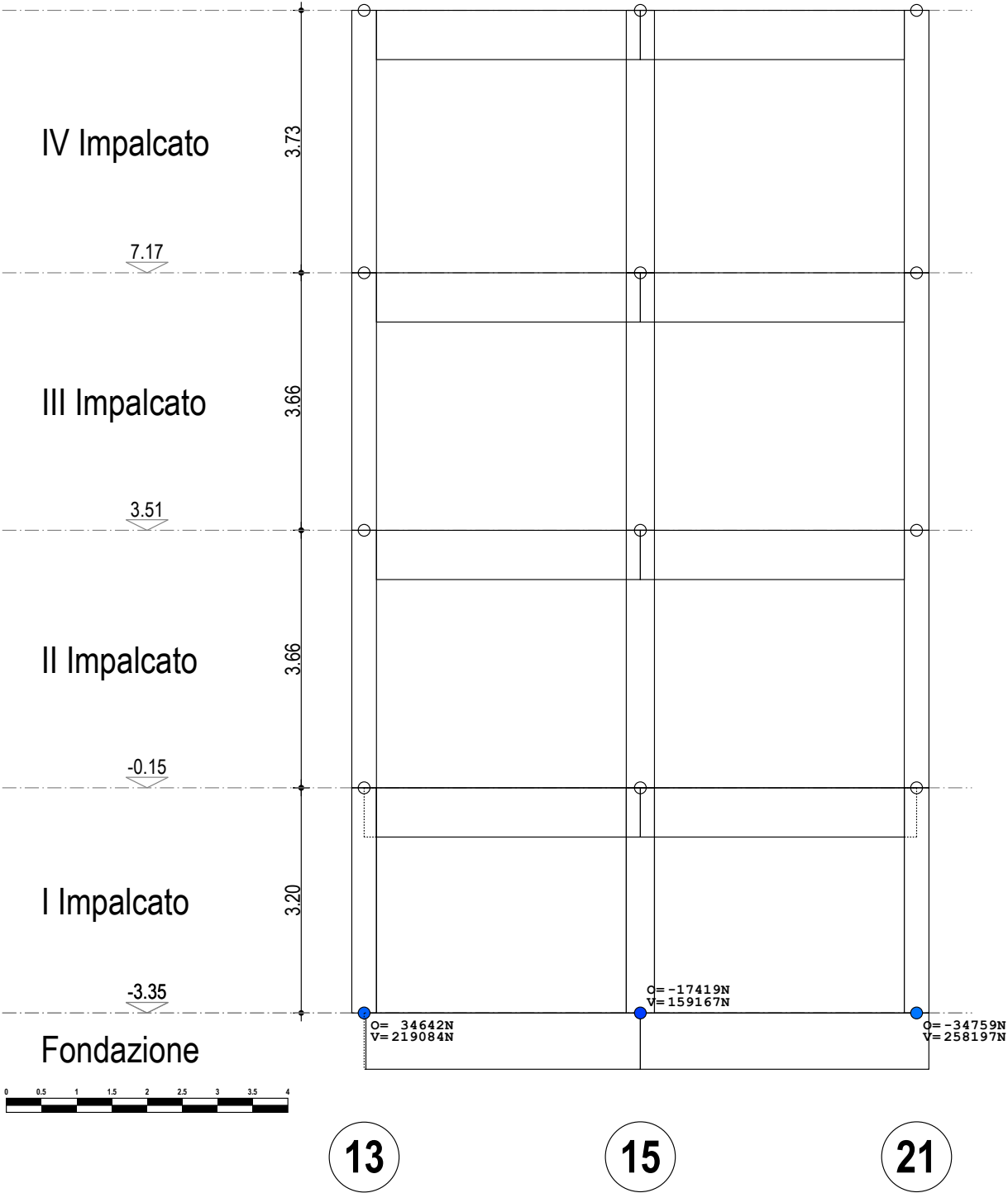
Telaio 11-18-19

REAZIONI VINCOLARI



Telaio 13-15-21

REAZIONI VINCOLARI



Telaio P1-4-5-6
REAZIONI VINCOLARI

