

FERRARA

VISTO: SI ATTESTA L'AVVENUTO DEPOSITO AI SENSI
DELL'ART. 4 DELLA LEGGE 05-11-1971 N° 1086 DEL
PROGETTO

26 MAG. 2008

N° 2159/08
AZIENDA OSPEDALIERA UNIVERSITARIA DI FERRARA
L'ADDETTO

**COMPLETAMENTO DELLA NUOVA SEDE DELL'ARCISPEDALE
SANT'ANNA IN CONA (FE)
TRAMITE CONCESSIONE DI PROGETTAZIONE DEFINITIVA ED
ESECUTIVA, COSTRUZIONE E GESTIONE**

PROGETTO ESECUTIVO

Concessionaria: **PROG.ESTE Spa**

Affidataria lavori di progettazione e costruzione: **CONSORZIO CONA**

IMPRESE COSTRUTTRICI E GESTIONALI

CMB - Carpi (MO) - Mandataria- COOP. COSTRUZIONI - BO CMR - Filo d'Argenta (FE) CIAB - Bologna SINTECO - Ferrara BUSI IMPIANTI - Bologna SINTEXCAL - Ferrara Ing. SARTI G.&C. - Poggio R. (FE) TUBI COSTRUZIONI - Ferrara DALVA - Ferrara	SIRAM - Milano HERA - Cassana (FE) PETROLIFERA Estense - Ferrara CIDAS - Copparo (FE) C.I.R. - Reggio Emilia SERENISSIMA RIST. - Vicenza COOPSER - Ferrara COOP SERVICE - Cavriago (RE) SERVIZI ITALIA - Castellina di S. Impresa BERTONCELLI - FE
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APE PREFABBRICATI
IL PROGETTISTA DEI C.A.

Dott. Ing. MAURO FERRARI

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PROGETTISTI

PROGETTAZIONE ARCHITETTONICA
NUOVE COSTRUZIONI E COORDINAMENTO
GENERALE DELLA PROGETTAZIONE

**STUDIO ALTIERI S.p.A. -
Thiene (VI)**

Responsabile tecnico della progettazione
Arch. Alberto Altieri
Codice commessa:

H 0 3 8 7 P E

PROGETTAZIONE ARCHITETTONICA DELLE
RISTRUTTURAZIONI E PROGETTAZIONE
STRUTTURALE

**STS Servizi Tecnologie
Sistemi S.p.A. - Bologna**

Responsabile tecnico della progettazione
Arch. Eugenio Arbizzani
Codice commessa:

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PROGETTAZIONE IMPIANTISTICA
S.T.E.P. S.n.c. - Ferrara

Responsabile tecnico della progettazione
Ing. Adolfo Alberto Tori
Codice commessa:

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PROGETTAZIONE DELLE URBANIZZAZIONI
E SISTEMAZIONI ESTERNE
U.TE.CO. - Ferrara

Responsabile tecnico della progettazione
Arch. Pietro Pigozzi
Codice commessa:

0 5 0 1 2

Rev.	Data	Descrizione	Verifica	Approvaz.	Verifica	Approvaz.	Redatto
00	11/12/2007	595 AIDO dott. ing. <i>Carlo</i> MECHIORRI Carlo					

Denominazione:

**CORPO 33 - PROGETTO TRAVI PREFABBRICATE
ARMATURA TRAVI PREFABBRICATE**

Codice elaborato:

E 0 0 X X S 1 4 2 2 4 7

Codice commessa:

0 0 0 0 0 F 7.3

FILE: F_E_0_S_142.247_C35RTR_R00

CONSORZIO CONA

Via C. Pisacane 2 - 41012 Carpi (MO)
C.F. e P.IVA 03095540369

CONDIZIONI DI CARICO:

- (1) PESI PROPRI STRUTTURALI
- (2) CARICHI 1' FASE (trave autoportante: p.p. trave + aliquota di solaio incidente)
Questa condizione di carico viene usata per verificare le travi in prima fase (montaggio struttura).
- (3) PESO PROPRIO SOLAI
- (4) PERMANENTI
- (5) ACCIDENTALI
- (6) ACCIDENTALI COPERTURA
- (7) ACCIDENTALI SCALE
- (8) TAMPONAMENTI
- (9) PERMANENTI COPERTURA METALLICA
- (10) SISMA IN DIREZIONE 0
- (11) SISMA IN DIREZIONE 90
- (12) SISMA IN DIREZIONE 180
- (13) SISMA IN DIREZIONE 270
- (14) SISMA IN DIREZIONE 180+
- (15) SISMA IN DIREZIONE 180-
- (16) SISMA IN DIREZIONE 270+
- (17) SISMA IN DIREZIONE 270-
- (18) SISMA IN DIREZIONE 0 (per verifiche allo S.L.D.)
- (19) SISMA IN DIREZIONE 90 (per verifiche allo S.L.D.)
- (20) SISMA IN DIREZIONE 180 (per verifiche allo S.L.D.)
- (21) SISMA IN DIREZIONE 270 (per verifiche allo S.L.D.)
- (22) SISMA IN DIREZIONE 180+ (per verifiche allo S.L.D.)
- (23) SISMA IN DIREZIONE 180- (per verifiche allo S.L.D.)
- (24) SISMA IN DIREZIONE 270+ (per verifiche allo S.L.D.)
- (25) SISMA IN DIREZIONE 270- (per verifiche allo S.L.D.)

LO SCHEMA STATICO ADOTTATO E' A TELAIO SPAZIALE SOGGETTO ALLE AZIONI VERTICALI E ORIZZONTALI DI PROGETTO.

IL METODO DI CALCOLO E' QUELLO DELL' ANALISI DINAMICA CON CONDENSAZIONE DEI NODI.

LE VERIFICHE SONO ESEGUITE CON IL **METODO DEGLI STATI LIMITE** E CON L'APPLICAZIONE DELLE "NORME TECNICHE PER LE COSTRUZIONI" DI CUI AL D.M. 14-09-2005 E ALL' ORDINANZA n. 3274 DEL 20-03-2003 E SUCCESSIVE MODIFICHE ED INTEGRAZIONI, UTILIZZANDO I SEGUENTI PARAMETRI PROGETTUALI:

PARAMETRI DI CALCOLO UTILIZZATI PER L'ANALISI DINAMICA:

- ZONA: 3 (a/g=0.15)
- CATEGORIA DI SUOLO: C
- FATTORE DI IMPORTANZA: 1.4 (ospedale)
- CLASSE DI DUTTILITA': **BASSA**
- FATTORE DI STRUTTURA PER SISMA ORIZZONTALE: p.ti 5.3.2. e 5.7.2 per strutture in cemento armato prefabbricate: $q_0 = q \times K_D \times K_R = 3.5$ essendo:
 - $q = 5$ (strutture prefabbricate a telaio)
 - $K_D = 0.7$ (classe di duttilità "bassa")
 - $K_R = 1$ (struttura regolare in altezza)

FATTORI DI PARTECIPAZIONE PER IL CALCOLO DELLE MASSE:

	Condizione	Commento	Fattore di Partecipazione
1	Peso proprio		1.000000
2	Prima fase		0.000000
3	Peso solaio		1.000000
4	Permanenti		1.000000
5	Accidentali		0.600000
6	Accidentali coperture (neve)		0.200000
7	Accidentali scale		0.800000
8	Tamponamenti		1.000000
9	Permanenti copertura metallica		1.000000

COMBINAZIONI DI CARICO CONSIDERATE:

Combinazioni Stati Limite Ultimi (S.L.U.)

Combinazione di carico numero

1	Sisma 0+ / 90+
2	Sisma 0+ / 90-
3	Sisma 0+ / 270+
4	Sisma 0+ / 270-
5	Sisma 0- / 90+
6	Sisma 0- / 90-
7	Sisma 0- / 270+
8	Sisma 0- / 270-
9	Sisma 90+ / 0+
10	Sisma 90+ / 0-
11	Sisma 90+ / 180+
12	Sisma 90+ / 180-
13	Sisma 90- / 0+
14	Sisma 90- / 0-
15	Sisma 90- / 180+
16	Sisma 90- / 180-
17	Sisma 180+ / 90+
18	Sisma 180+ / 90-
19	Sisma 180+ / 270+
20	Sisma 180+ / 270-
21	Sisma 180- / 90+
22	Sisma 180- / 90-
23	Sisma 180- / 270+
24	Sisma 180- / 270-
25	Sisma 270+ / 0+
26	Sisma 270+ / 0-
27	Sisma 270+ / 180+
28	Sisma 270+ / 180-
29	Sisma 270- / 0+
30	Sisma 270- / 0-

26	1.0000	-1.0000	1.0000	1.0000	0.6000	0.2000	0.8000	1.0000	1.0000	0.0000	0.4200	0.0000	0.0000	0.0000	0.0000	1.4000	0.0000
27	1.0000	-1.0000	1.0000	1.0000	0.6000	0.2000	0.8000	1.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.4200	0.0000	1.4000	0.0000
28	1.0000	-1.0000	1.0000	1.0000	0.6000	0.2000	0.8000	1.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.4200	1.4000	0.0000
29	1.0000	-1.0000	1.0000	1.0000	0.6000	0.2000	0.8000	1.0000	1.0000	0.4200	0.0000	0.0000	0.0000	0.0000	0.0000	1.4000	1.4000
30	1.0000	-1.0000	1.0000	1.0000	0.6000	0.2000	0.8000	1.0000	1.0000	0.0000	0.4200	0.0000	0.0000	0.0000	0.0000	1.4000	1.4000
31	1.0000	-1.0000	1.0000	1.0000	0.6000	0.2000	0.8000	1.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.4200	0.0000	1.4000	1.4000
32	1.0000	-1.0000	1.0000	1.0000	0.6000	0.2000	0.8000	1.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.4200	1.4000	1.4000
33	1.4000	-1.0000	1.4000	1.4000	1.5000	0.9000	1.5000	1.4000	1.4000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
34	1.4000	-1.0000	1.4000	1.4000	1.0500	1.5000	1.5000	1.4000	1.4000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35	1.4000	-1.0000	1.4000	1.4000	1.0500	0.9000	1.5000	1.4000	1.4000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
36	1.4000	-1.0000	1.4000	1.4000	1.5000	1.5000	1.5000	1.4000	1.4000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Combinazioni RARE Stati Limite di Esercizio

	Comb.\Cond	1	2	3	4	5	6	7	8	9
37		1.0000	-1.0000	1.0000	1.0000	1.0000	0.6000	1.0000	1.0000	1.0000
38		1.0000	-1.0000	1.0000	1.0000	0.7000	1.0000	1.0000	1.0000	1.0000
39		1.0000	-1.0000	1.0000	1.0000	0.7000	0.6000	1.0000	1.0000	1.0000

Combinazioni FREQUENTI Stati Limite di Esercizio

	Comb.\Cond	1	2	3	4	5	6	7	8	9
40		1.0000	-1.0000	1.0000	1.0000	0.7000	0.1000	0.8000	1.0000	1.0000
41		1.0000	-1.0000	1.0000	1.0000	0.6000	0.3000	0.8000	1.0000	1.0000
42		1.0000	-1.0000	1.0000	1.0000	0.6000	0.1000	0.9000	1.0000	1.0000

Combinazioni QUASI PERMANENTI Stati Limite di Esercizio

	Comb.\Cond	1	2	3	4	5	6	7	8	9
43		1.0000	-1.0000	1.0000	1.0000	0.6000	0.1000	0.8000	1.0000	1.0000

Combinazioni agli Stati Limite di Danno

Combinazione di carico numero

44	Sisma 0+ / 90+
45	Sisma 0+ / 90-
46	Sisma 0+ / 270+
47	Sisma 0+ / 270-
48	Sisma 0- / 90+
49	Sisma 0- / 90-
50	Sisma 0- / 270+
51	Sisma 0- / 270-
52	Sisma 90+ / 0+
53	Sisma 90+ / 0-
54	Sisma 90+ / 180+
55	Sisma 90+ / 180-
56	Sisma 90- / 0+
57	Sisma 90- / 0-
58	Sisma 90- / 180+
59	Sisma 90- / 180-
60	Sisma 180+ / 90+
61	Sisma 180+ / 90-
62	Sisma 180+ / 270+
63	Sisma 180+ / 270-
64	Sisma 180- / 90+
65	Sisma 180- / 90-
66	Sisma 180- / 270+
67	Sisma 180- / 270-
68	Sisma 270+ / 0+
69	Sisma 270+ / 0-
70	Sisma 270+ / 180+
71	Sisma 270+ / 180-
72	Sisma 270- / 0+
73	Sisma 270- / 0-
74	Sisma 270- / 180+

	Comb.\Cond																								
	1	2	3	4	5	6	7	8	9	18	19	20	21	22	23	24	25								
44	1.0000	-1.0000	1.0000	1.0000	0.6000	0.2000	0.8000	1.0000	1.0000	1.4000	0.0000	0.4200	0.0000	0.0000	0.0000	0.0000	0.0000								
45	1.0000	-1.0000	1.0000	1.0000	0.6000	0.2000	0.8000	1.0000	1.0000	1.4000	0.0000	0.0000	0.4200	0.0000	0.0000	0.0000	0.0000								
46	1.0000	-1.0000	1.0000	1.0000	0.6000	0.2000	0.8000	1.0000	1.0000	1.4000	0.0000	0.0000	0.0000	0.0000	0.0000	0.4200	0.0000								
47	1.0000	-1.0000	1.0000	1.0000	0.6000	0.2000	0.8000	1.0000	1.0000	1.4000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.4200								
48	1.0000	-1.0000	1.0000	1.0000	0.6000	0.2000	0.8000	1.0000	1.0000	0.0000	1.4000	0.4200	0.0000	0.0000	0.0000	0.0000	0.0000								
49	1.0000	-1.0000	1.0000	1.0000	0.6000	0.2000	0.8000	1.0000	1.0000	0.0000	1.4000	0.0000	0.4200	0.0000	0.0000	0.0000	0.0000								
50	1.0000	-1.0000	1.0000	1.0000	0.6000	0.2000	0.8000	1.0000	1.0000	0.0000	1.4000	0.0000	0.0000	0.0000	0.0000	0.4200	0.0000								
51	1.0000	-1.0000	1.0000	1.0000	0.6000	0.2000	0.8000	1.0000	1.0000	0.0000	1.4000	0.0000	0.0000	0.0000	0.0000	0.0000	0.4200								
52	1.0000	-1.0000	1.0000	1.0000	0.6000	0.2000	0.8000	1.0000	1.0000	0.4200	0.0000	1.4000	0.0000	0.0000	0.0000	0.0000	0.0000								
53	1.0000	-1.0000	1.0000	1.0000	0.6000	0.2000	0.8000	1.0000	1.0000	0.0000	0.4200	1.4000	0.0000	0.0000	0.0000	0.0000	0.0000								
54	1.0000	-1.0000	1.0000	1.0000	0.6000	0.2000	0.8000	1.0000	1.0000	0.0000	0.0000	1.4000	0.0000	0.4200	0.0000	0.0000	0.0000								
55	1.0000	-1.0000	1.0000	1.0000	0.6000	0.2000	0.8000	1.0000	1.0000	0.0000	0.0000	1.4000	0.0000	0.0000	0.4200	0.0000	0.0000								
56	1.0000	-1.0000	1.0000	1.0000	0.6000	0.2000	0.8000	1.0000	1.0000	0.4200	0.0000	0.0000	1.4000	0.0000	0.0000	0.0000	0.0000								
57	1.0000	-1.0000	1.0000	1.0000	0.6000	0.2000	0.8000	1.0000	1.0000	0.0000	0.4200	0.0000	1.4000	0.0000	0.0000	0.0000	0.0000								
58	1.0000	-1.0000	1.0000	1.0000	0.6000	0.2000	0.8000	1.0000	1.0000	0.0000	0.0000	0.0000	1.4000	0.4200	0.0000	0.0000	0.0000								
59	1.0000	-1.0000	1.0000	1.0000	0.6000	0.2000	0.8000	1.0000	1.0000	0.0000	0.0000	0.0000	1.4000	0.0000	0.4200	0.0000	0.0000								
60	1.0000	-1.0000	1.0000	1.0000	0.6000	0.2000	0.8000	1.0000	1.0000	0.0000	0.0000	0.4200	0.0000	1.4000	0.0000	0.0000	0.0000								
61	1.0000	-1.0000	1.0000	1.0000	0.6000	0.2000	0.8000	1.0000	1.0000	0.0000	0.0000	0.0000	0.4200	1.4000	0.0000	0.0000	0.0000								
62	1.0000	-1.0000	1.0000	1.0000	0.6000	0.2000	0.8000	1.0000	1.0000	0.0000	0.0000	0.0000	0.0000	1.4000	0.0000	0.4200	0.0000								
63	1.0000	-1.0000	1.0000	1.0000	0.6000	0.2000	0.8000	1.0000	1.0000	0.0000	0.0000	0.0000	0.0000	1.4000	0.0000	0.0000	0.4200								
64	1.0000	-1.0000	1.0000	1.0000	0.6000	0.2000	0.8000	1.0000	1.0000	0.0000	0.0000	0.4200	0.0000	0.0000	1.4000	0.0000	0.0000								
65	1.0000	-1.0000	1.0000	1.0000	0.6000	0.2000	0.8000	1.0000	1.0000	0.0000	0.0000	0.0000	0.4200	0.0000	1.4000	0.0000	0.0000								
66	1.0000	-1.0000	1.0000	1.0000	0.6000	0.2000	0.8000	1.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.4000	0.4200	0.0000								
67	1.0000	-1.0000	1.0000	1.0000	0.6000	0.2000	0.8000	1.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.4200								
68	1.0000	-1.0000	1.0000	1.0000	0.6000	0.2000	0.8000	1.0000	1.0000	0.4200	0.0000	0.0000	0.0000	0.0000	0.0000	1.4000	0.0000								
69	1.0000	-1.0000	1.0000	1.0000	0.6000	0.2000	0.8000	1.0000	1.0000	0.0000	0.4200	0.0000	0.0000	0.0000	0.0000	1.4000	0.0000								
70	1.0000	-1.0000	1.0000	1.0000	0.6000	0.2000	0.8000	1.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.4200	0.0000	1.4000	0.0000								
71	1.0000	-1.0000	1.0000	1.0000	0.6000	0.2000	0.8000	1.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.4200	1.4000	0.0000								
72	1.0000	-1.0000	1.0000	1.0000	0.6000	0.2000	0.8000	1.0000	1.0000	0.4200	0.0000	0.0000	0.0000	0.0000	0.0000	1.4000	0.0000								
73	1.0000	-1.0000	1.0000	1.0000	0.6000	0.2000	0.8000	1.0000	1.0000	0.0000	0.4200	0.0000	0.0000	0.0000	0.0000	0.0000	1.4000								
74	1.0000	-1.0000	1.0000	1.0000	0.6000	0.2000	0.8000	1.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.4200	0.0000	0.0000	1.4000								
75	1.0000	-1.0000	1.0000	1.0000	0.6000	0.2000	0.8000	1.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.4200	0.0000	1.4000								

PROGETTO TRAVI PREFABBRICATE

Sezione Numero	Info	Dimensioni	Criterio	Rbk Prefabbricato	f_{cd} [kg/cm ²]	τ_{rd} [kg/cm ²]	σ_{RARE} [kg/cm ²]	σ_{FREQ} [kg/cm ²]	σ_{QP} [kg/cm ²]	Rbk In Opera	dx Appoggi [cm]	f_{cd} [kg/cm ²]	τ_{rd} [kg/cm ²]	σ_{RARE} [kg/cm ²]	σ_{FREQ} [kg/cm ²]	σ_{QP} [kg/cm ²]	Acciaio	f_{yd} [kg/cm ²]	σ_{RARE} [kg/cm ²]	σ_{FREQ} [kg/cm ²]	σ_{QP} [kg/cm ²]
1	40x50/30	B 40 [cm] H 50 [cm]	ConaTral- 120	450	236.8	3.9	214.0	166.6	166.6	300	0	157.9	3.0	142.9	111.1	111.1	FeB 44k	3739.1	3440.0	3440.0	3440.0
2	70x50/30	B 70 [cm] H 50 [cm]	ConaTral- 120	450	236.8	3.9	214.0	166.6	166.6	300	0	157.9	3.0	142.9	111.1	111.1	FeB 44k	3739.1	3440.0	3440.0	3440.0
3	35x50/30	B 35 [cm] H 50 [cm]	ConaTral- 120	450	236.8	3.9	214.0	166.6	166.6	300	0	157.9	3.0	142.9	111.1	111.1	FeB 44k	3739.1	3440.0	3440.0	3440.0
4	60x50/30	B 60 [cm] H 50 [cm]	ConaTral- 120	450	236.8	3.9	214.0	166.6	166.6	300	0	157.9	3.0	142.9	111.1	111.1	FeB 44k	3739.1	3440.0	3440.0	3440.0
5	45x45	B 45 [cm] H 45 [cm]	ConaTral- 120	300	157.9	3.0	142.9	111.1	111.1	300	0	157.9	3.0	142.9	111.1	111.1	FeB 44k	3739.1	3440.0	3440.0	3440.0
6	50x45	B 50 [cm] H 45 [cm]	ConaTral- 120	300	157.9	3.0	142.9	111.1	111.1	300	0	157.9	3.0	142.9	111.1	111.1	FeB 44k	3739.1	3440.0	3440.0	3440.0
7	90x45	B 90 [cm] H 45 [cm]	ConaTral- 120	300	157.9	3.0	142.9	111.1	111.1	300	0	157.9	3.0	142.9	111.1	111.1	FeB 44k	3739.1	3440.0	3440.0	3440.0
8	70x45	B 70 [cm] H 45 [cm]	ConaTral- 120	300	157.9	3.0	142.9	111.1	111.1	300	0	157.9	3.0	142.9	111.1	111.1	FeB 44k	3739.1	3440.0	3440.0	3440.0
9	65x45 bordo	B 65 [cm] H 45 [cm]	ConaTral- 120	300	157.9	3.0	142.9	111.1	111.1	300	0	157.9	3.0	142.9	111.1	111.1	FeB 44k	3739.1	3440.0	3440.0	3440.0
11	115x45	B 115 [cm] H 45 [cm]	ConaTral- 120	300	157.9	3.0	142.9	111.1	111.1	300	0	157.9	3.0	142.9	111.1	111.1	FeB 44k	3739.1	3440.0	3440.0	3440.0
12	50x50/30	B 50 [cm] H 50 [cm]	ConaTral- 120	450	236.8	3.9	214.0	166.6	166.6	300	0	157.9	3.0	142.9	111.1	111.1	FeB 44k	3739.1	3440.0	3440.0	3440.0
13	60x45 bordo	B 60 [cm] H 45 [cm]	ConaTral- 120	300	157.9	3.0	142.9	111.1	111.1	300	0	157.9	3.0	142.9	111.1	111.1	FeB 44k	3739.1	3440.0	3440.0	3440.0
14	50x45 bordo	B 50 [cm] H 45 [cm]	ConaTral- 120	300	157.9	3.0	142.9	111.1	111.1	300	0	157.9	3.0	142.9	111.1	111.1	FeB 44k	3739.1	3440.0	3440.0	3440.0
15	110x45	B 110 [cm] H 45 [cm]	ConaTral- 120	300	157.9	3.0	142.9	111.1	111.1	300	0	157.9	3.0	142.9	111.1	111.1	FeB 44k	3739.1	3440.0	3440.0	3440.0
16	120x45	B 120 [cm] H 45 [cm]	ConaTral- 120	300	157.9	3.0	142.9	111.1	111.1	300	0	157.9	3.0	142.9	111.1	111.1	FeB 44k	3739.1	3440.0	3440.0	3440.0
17	80x45	B 80 [cm] H 45 [cm]	ConaTral- 120	300	157.9	3.0	142.9	111.1	111.1	300	0	157.9	3.0	142.9	111.1	111.1	FeB 44k	3739.1	3440.0	3440.0	3440.0

Condizione di carico di I' Fase 2 EC2. 4.3.2.4.4. Verifica a taglio con il metodo dell'inclinazione variabile del traliccio. $\cotg \theta = 1.00$

Nodo	x [m]	Afe [cm²]	Afer [cm²]	Afi [cm²]	q ^u [kg/m]	Md _{par} [kgm]	Mde [kgm]	Mre [kgm]	Mde [kgm]	x/d	Mdi ⁱ [kgm]	Mri ⁱ [kgm]	Mdi ⁱ [kgm]	Mri ⁱ [kgm]	x ^u /d ^u	σ _{de} [kg/cm²]	σ _{de} ^{PR} [kg/cm²]	σ _{di} [kg/cm²]	σ _{re} [kg/cm²]	σ _n [kg/cm²]
Trave 101 /1 Sez. 4 60x50/30 60x50 [cm] H'=30 [cm] / L _{ass} =4.30 [cm] / L _{netto} =3.80 L _{Fase} =3.60 [m] q _{medio I'} fase=3376.3 q _{medio II'} fase=8102.3 [kg/m] (VALORI CARATTERISTICI)																				
101	SLU	0.25	24.98	0.00	15.21	35861	39197	0.91	0.18	-660	0	0	0.22	-22954	23072	0.99	0.14			
	SLE	Rare				5134				0						0.0		20.0	517.6	187.3
	SLE	Freq				4525				0						0.0		17.6	456.2	165.0
	SLE	Q.P.				4326				0						0.0		16.9	436.2	157.8
CAM	SLU	2.15	11.40	0.00	25.29	12993.8	-15016	0	18539	0.00	0.11	-5470	20620	0.27	0.32	-20486	39152	0.52	0.20	
	SLE	Rare				8102.3	-9363	0		-5470			-9363			37.0	68.7	-0.0	413.9	1966.6
	SLE	Freq				7201.8	-8323	0		-5470			-8323			32.9	68.7	-0.0	367.9	1863.1
	SLE	Q.P.				6901.6	-7976	0		-5470			-7976			31.5	68.7	-0.0	352.5	1828.6
102	SLU	4.05	22.62	0.00	10.93	34049	35763	0.95	0.17	-660	0	0	0.18	-14480	16742	0.86	0.12			
	SLE	Rare				8844				0			0			-0.0	0.0	37.1	978.5	344.0
	SLE	Freq				7877				0			0			-0.0	0.0	33.0	871.6	306.4
	SLE	Q.P.				7550				0			0			-0.0	0.0	31.6	835.4	293.7

Controllo Fessurazione

Calcolo diretto ampiezza fessure

Combinazioni		In. I Fase mm	In. II Fase mm	In. Totali mm	Estradosso mm															
Rare		0.08	0.11	0.20	0.00															
Frequenti		0.08	0.10	0.18	0.00															
Quasi Permanenti		0.08	0.10	0.18	0.00															
Trave 101 /2 Sez. 4 60x50/30 60x50 [cm] H ^t =30 [cm] L _{asse} =4.80 L _{netto} =4.30 L _{Fase} =4.10 [m] q _{medio I'} fase=3376.3 q _{medio II'} fase=7031.4 [kg/m] (VALORI CARATTERISTICI)																				
102	SLU	0.25	22.62	0.00	10.93	31648	35763	0.88	0.17	-819	9038	0.09	0.18	-11916	16741	0.71	0.12			
	SLE	Rare				9758				0				0		-0.0	0.0	40.9	1079.6	379.6
	SLE	Freq				8606				0				0		-0.0	0.0	36.1	952.1	334.7
	SLE	Q.P.				8221				0				0		-0.0	0.0	34.5	909.6	319.8
CAM	SLU	2.40	11.40	0.00	28.05	11494.7	-16552	0	18609	0.00	0.11	-7094	22632	0.31	0.36	-23647	43461	0.54	0.21	
	SLE	Rare				7031.4	-10125	0		-7094			-7094			38.5	85.9	-0.0	442.9	2114.5
	SLE	Freq				6131.0	-8829	0		-7094			-7094			33.5	85.9	-0.0	386.2	1998.4
	SLE	Q.P.				5830.8	-8396	0		-7094			-7094			31.9	85.9	-0.0	367.3	1959.6
103	SLU	4.55	20.45	0.00	10.93	30771	32545	0.95	0.16	-846	9038	0.09	0.18	-13140	16751	0.78	0.12			

SLE	Rare	8861	0	-0.0	0.0	38.3	1079.7	346.8
SLE	Freq	7641	0	-0.0	0.0	33.0	930.9	299.0
SLE	Q.P.	7233	0	-0.0	0.0	31.3	881.3	283.1

Controllo Fessurazione

Calcolo diretto ampiezza fessure

Combinazioni		In. I Fase mm		In. II Fase mm		In. Totali mm		Estradosso mm														
Rare		0.10		0.11		0.21		0.00														
Frequenti		0.10		0.10		0.20		0.00														
Quasi Permanenti		0.10		0.09		0.19		0.00														
Trave 101/3 Sez. 4 60x50/30 60x50 [cm] H'=30 [cm] L _{asse} =4.80 L _{netto} =4.30 L _{Fase} =4.10 [m] q _{medio I'} =3376.3 q _{medio II'} =5902.2 [kg/m] (VALORI CARATTERISTICI)																						
103	SLU	0.25	20.45	0.00	10.93	30443	32545	0.94	0.16	-765	9038	0.08	0.18	-13310	16752	0.79	0.12					
SLE	Rare					8584				0				0				-0.0	0.0	37.1	1045.9	336.0
SLE	Freq					7369				0				0				-0.0	0.0	31.9	897.9	288.4
SLE	Q.P.					6964				0				0				-0.0	0.0	30.1	848.5	272.6
CAM	SLU	2.40	11.40	0.00	25.29	9913.8	-14276	0	18612	0.00	0.11	-7094	20809	0.34	0.32	-21370	39411	0.54	0.19			
SLE	Rare					5902.3	-8499	0				-7094				-8499		33.2	87.9	-0.0	377.9	2171.8
SLE	Freq					5001.8	-7203	0				-7094				-7203		28.2	87.9	-0.0	320.2	2043.6
SLE	Q.P.					4701.6	-6770	0				-7094				-6770		26.5	87.9	-0.0	301.0	2000.9
104	SLU	4.55	20.45	0.00	10.93	29605	32545	0.91	0.16	-777	9038	0.09	0.18	-14160	16752	0.85	0.12					
SLE	Rare					7699				0					0			-0.0	0.0	33.3	938.1	301.3
SLE	Freq					6474				0					0			-0.0	0.0	28.0	788.8	253.4
SLE	Q.P.					6065				0					0			-0.0	0.0	26.2	739.0	237.4

Calcolo diretto ampiezza fessure

Combinazioni	In. I Fase mm	In. II Fase mm	In. Totali mm	Stradesso mm
Rare	0.11	0.10	0.22	0.00
Frequenti	0.11	0.09	0.20	0.00
Quasi Permanenti	0.11	0.08	0.20	0.00
Trave 101/4 Sez. 4 60x50/30 60x50 [cm] $H^*=30$ [cm] $L_{asse}=4.80$ $L_{netta}=4.30$ $L_{Fase}=4.10$ [m] $q_{medio\ I^*}=3376.3$ $q_{medio\ II^*}=5902.2$ [kg/m] (VALORI CARATTERISTICI)				
104 SLU	20.25	20.45	0.00	10.93
	29417	32545	0.90	0.16
	-763	9038	0.08	0.18
	16752	16752	0.84	0.12
SLE Rare	7762	0	0	-0.0
				33.6
				945.7
				303.8

[illegible]

Calcolo diretto ampiezza fessure

Combinazioni		In. I Fase mm		In. II Fase mm				In. Totali mm		Estradosso mm												
Rare		0.11		0.10		0.22		0.00														
Frequenti		0.11		0.09		0.20		0.00														
Quasi Permanenti		0.11		0.08		0.20		0.00														
Trave 101 / 5 Sez. 4 60x50/30 60x50 [cm] H'=30 [cm] L _{netto} =4.30 L _{rag} =4.10 [m] q _{medio I'} rag=3376.3 q _{medio II'} rag=5902.2 [kg/m] (VALORI CARATTERISTICI)																						
105	SLU	0.25	20.45	0.00	10.93	29782	32545	0.92	0.16	-763	9038	0.08	0.18	-13595	16752	0.81	0.12					
SLE	Rare					8173				0				0		-0.0	0.0	35.4	995.9	319.9		
SLE	Freq					6957				0				0		-0.0	0.0	30.1	847.6	272.3		
SLE	Q.P.					6552				0				0		-0.0	0.0	28.3	798.3	256.4		
CAM	SLU	2.40	11.40	0.00	25.29	9913.8	-14276	0	18612	0.00	0.11	-7094	20809	0.34	0.32	-21370	39411	0.54	0.19			
SLE	Rare					5902.3	-8499	0				-7094				-8499						
SLE	Freq					5001.8	-7203	0				-7094				-7203						
SLE	Q.P.					4701.7	-6770	0				-7094				-6770						
106	SLU	4.55	20.45	0.00	10.93	29409	32545	0.90	0.16	-763	9038	0.08	0.18	-13948	16752	0.83	0.12					
SLE	Rare					7823				0				0				-0.0	0.0	33.8	953.1	306.2
SLE	Freq					6599				0				0				-0.0	0.0	28.5	804.0	258.3
SLE	Q.P.					6191				0				0				-0.0	0.0	26.8	754.3	242.3
Controllo Fessurazione																						

Calcolo diretto ampiezza fessure

	In. I Face	In. II Face	In. Total	Estradren
1	1.0	1.0	2.0	1.0
2	1.0	1.0	2.0	1.0
3	1.0	1.0	2.0	1.0
4	1.0	1.0	2.0	1.0
5	1.0	1.0	2.0	1.0
6	1.0	1.0	2.0	1.0
7	1.0	1.0	2.0	1.0
8	1.0	1.0	2.0	1.0
9	1.0	1.0	2.0	1.0
10	1.0	1.0	2.0	1.0
11	1.0	1.0	2.0	1.0
12	1.0	1.0	2.0	1.0
13	1.0	1.0	2.0	1.0
14	1.0	1.0	2.0	1.0
15	1.0	1.0	2.0	1.0
16	1.0	1.0	2.0	1.0
17	1.0	1.0	2.0	1.0
18	1.0	1.0	2.0	1.0
19	1.0	1.0	2.0	1.0
20	1.0	1.0	2.0	1.0
21	1.0	1.0	2.0	1.0
22	1.0	1.0	2.0	1.0
23	1.0	1.0	2.0	1.0
24	1.0	1.0	2.0	1.0
25	1.0	1.0	2.0	1.0
26	1.0	1.0	2.0	1.0
27	1.0	1.0	2.0	1.0
28	1.0	1.0	2.0	1.0
29	1.0	1.0	2.0	1.0
30	1.0	1.0	2.0	1.0
31	1.0	1.0	2.0	1.0
32	1.0	1.0	2.0	1.0
33	1.0	1.0	2.0	1.0
34	1.0	1.0	2.0	1.0
35	1.0	1.0	2.0	1.0
36	1.0	1.0	2.0	1.0
37	1.0	1.0	2.0	1.0
38	1.0	1.0	2.0	1.0
39	1.0	1.0	2.0	1.0
40	1.0	1.0	2.0	1.0
41	1.0	1.0	2.0	1.0
42	1.0	1.0	2.0	1.0
43	1.0	1.0	2.0	1.0
44	1.0	1.0	2.0	1.0
45	1.0	1.0	2.0	1.0
46	1.0	1.0	2.0	1.0
47	1.0	1.0	2.0	1.0
48	1.0	1.0	2.0	1.0
49	1.0	1.0	2.0	1.0
50	1.0	1.0	2.0	1.0
51	1.0	1.0	2.0	1.0
52	1.0	1.0	2.0	1.0
53	1.0	1.0	2.0	1.0
54	1.0	1.0	2.0	1.0
55	1.0	1.0	2.0	1.0
56	1.0	1.0	2.0	1.0
57	1.0	1.0	2.0	1.0
58	1.0	1.0	2.0	1.0
59	1.0	1.0	2.0	1.0
60	1.0	1.0	2.0	1.0
61	1.0	1.0	2.0	1.0
62	1.0	1.0	2.0	1.0
63	1.0	1.0	2.0	1.0
64	1.0	1.0	2.0	1.0
65	1.0	1.0	2.0	1.0
66	1.0	1.0	2.0	1.0
67	1.0	1.0	2.0	1.0
68	1.0	1.0	2.0	1.0
69	1.0	1.0	2.0	1.0
70	1.0	1.0	2.0	1.0
71	1.0	1.0	2.0	1.0
72	1.0	1.0	2.0	1.0
73	1.0	1.0	2.0	1.0
74	1.0	1.0	2.0	1.0
75	1.0	1.0	2.0	1.0
76	1.0	1.0	2.0	1.0
77	1.0	1.0	2.0	1.0
78	1.0	1.0	2.0	1.0
79	1.0	1.0	2.0	1.0
80	1.0	1.0	2.0	1.0

	mm			mm			mm			mm			mm									
Rare			0.11			0.10			0.22			0.00			0.00							
Frequenti			0.11			0.09			0.20			0.00			0.00							
Quasi Permanenti			0.11			0.08			0.20			0.00			0.00							
Trave 101 /6 Sez. 4 60x50/30 60x50 [cm] H'=30 [cm] L _{asse} 4.80 L _{netto} 4.30 L _{Facc} 4.10 [m] q _{medio I' fase} 3376.3 q _{medio II' fase} 5902.2 [kg/m] (VALORI CARATTERISTICI)																						
106	SLU	0.25	20.45	0.00	10.93	29397	32545	0.90	0.16	-763	9038	0.08	0.18	-13947	16752	0.83	0.12					
SLE	Rare					7807				0				0				-0.0	0.0	33.8	951.3	305.6
SLE	Freq					6591				0				0				-0.0	0.0	28.5	803.1	258.0
SLE	Q.P.					6186				0				0				-0.0	0.0	26.8	753.7	242.1
CAM	SLU	2.40	11.40	0.00	25.29	9913.8	-14276	0	18612	0.00	0.11	-7094	20809	0.34	0.32	-21370	39411	0.54	0.19			
SLE	Rare					5902.2	-8499	0				-7094				-8499		33.2	87.9	-0.0	377.9	2171.8
SLE	Freq					5001.8	-7203	0				-7094				-7203		28.2	87.9	-0.0	320.2	2043.6
SLE	Q.P.					4701.6	-6770	0				-7094				-6770		26.5	87.9	-0.0	301.0	2000.9
107	SLU	4.55	20.45	0.00	10.93	29819	32545	0.92	0.16	-763	9038	0.08	0.18	-13563	16752	0.81	0.12					
SLE	Rare					8220				0				0				-0.0	0.0	35.6	1001.5	321.7
SLE	Freq					6995				0				0				-0.0	0.0	30.3	852.2	273.8
SLE	Q.P.					6586				0				0				-0.0	0.0	28.5	802.5	257.8
Controllo Fessurazione																						

Calcolo diretto ampiezza fessure

Combinazioni					In. I Fase mm	In. II Fase mm	In. Totali mm		Estradosso mm													
Rare				0.11	0.10		0.22		0.00													
Frequenti				0.11	0.09		0.20		0.00													
Quasi Permanenti				0.11	0.08		0.20		0.00													
Trave 101 /7 Sez. 4 60x50/30 60x50 [cm] H'=30 [cm] L _{asse} 4.80 L _{netto} 4.30 L _{Facc} 4.10 [m] q _{medio I' fase} 3376.3 q _{medio II' fase} 5902.3 [kg/m] (VALORI CARATTERISTICI)																						
107	SLU	0.25	20.45	0.00	10.93	29890	32545	0.92	0.16	-763	9038	0.08	0.18	-13536	16752	0.81	0.12					
SLE	Rare					8259				0				0				-0.0	0.0	35.7	1006.3	323.3
SLE	Freq					7041				0				0				-0.0	0.0	30.5	857.9	275.6
SLE	Q.P.					6635				0				0				-0.0	0.0	28.7	808.4	259.7
CAM	SLU	2.40	11.40	0.00	25.29	9913.8	-14276	0	18612	0.00	0.11	-7094	20809	0.34	0.32	-21370	39411	0.54	0.19			
SLE	Rare					5902.3	-8499	0				-7094				-8499		33.2	87.9	-0.0	377.9	2171.8
SLE	Freq					5001.8	-7203	0				-7094				-7203		28.2	87.9	-0.0	320.2	2043.6
SLE	Q.P.					4701.6	-6770	0				-7094				-6770		26.5	87.9	-0.0	301.0	2000.9
108	SLU	4.55	20.45	0.00	10.93	29119	32545	0.89	0.16	-763	9038	0.08	0.18	-14223	16752	0.85	0.12					

SLE	Rare	7536	0	0	-0.0	0.0	32.6	918.2	295.0
SLE	Freq	6317	0	0	-0.0	0.0	27.3	769.7	247.2
SLE	Q.P.	5910	0	0	-0.0	0.0	25.6	720.1	231.3

Controllo Fessurazione

Calcolo diretto ampiezza fessure

Combinazioni		In. I Fase mm		In. II Fase mm		In. Totali mm		Estradosso mm												
Rare		0.11		0.10		0.22		0.00												
Frequenti		0.11		0.09		0.20		0.00												
Quasi Permanenti		0.11		0.08		0.20		0.00												
Trave 101 /8 Sez. 4 60x50/30 60x50 [cm] H'=30 [cm] L _{asse} =4.80 L _{netto} =4.30 L _{Facc} =4.10 [m] q _{medio I} facc=3376.3 q _{medio II} facc=5902.3 [kg/m] (VALORI CARATTERISTICI)																				
108	SLU	0.25	20.45	0.00	10.93	28747	32545	0.88	0.16	-763	9038	0.08	0.18	-14407	16752	0.86	0.12			
SLE	Rare					7265				0				0		-0.0	0.0	31.4	885.1	284.3
SLE	Freq					6056				0				0		-0.0	0.0	26.2	737.9	237.0
SLE	Q.P.					5654				0				0		-0.0	0.0	24.5	688.8	221.3
CAM	SLU	2.40	11.40	0.00	25.29	9913.8	-14276	0	18612	0.00	0.11	-7094	20809	0.34	0.32	-21370	39411	0.54	0.19	
SLE	Rare					5902.3	-8499	0		-7094						33.2	87.9	-0.0	377.9	2171.8
SLE	Freq					5001.8	-7203	0		-7094						28.2	87.9	-0.0	320.2	2043.6
SLE	Q.P.					4701.6	-6770	0		-7094						26.5	87.9	-0.0	301.0	2000.9
109	SLU	4.55	22.62	0.00	10.93	31834	35763	0.89	0.17	-763	9038	0.08	0.18	-11465	16741	0.68	0.12			
SLE	Rare					10301				0				0		-0.0	0.0	43.2	1139.7	400.7
SLE	Freq					9066				0				0		-0.0	0.0	38.0	1003.1	352.6
SLE	Q.P.					8653				0				0		-0.0	0.0	36.3	957.4	336.6

Controllo Fessurazione

Calcolo diretto ampiezza fessure

Combinazioni		In. I Fase mm	In. II Fase mm	In. Totali mm	Estradosso mm															
Rare		0.11	0.10	0.22	0.00															
Frequenti		0.11	0.09	0.20	0.00															
Quasi Permanenti		0.11	0.08	0.20	0.00															
Trave 101 /9 Sez. 4 60x50/30 60x50 [cm] H'=30 [cm] L _{asse} =4.80 L _{netto} =4.30 L _{Facc} =4.10 [m] q _{medio I} facc=3376.3 q _{medio II} facc=9904.2 [kg/m] (VALORI CARATTERISTICI)																				
109	SLU	0.25	22.62	0.00	10.93	35742	35763	1.00	0.17	-763	9038	0.08	0.18	-12572	16741	0.75	0.12			
SLE	Rare					11543				0				0		-0.0	0.0	48.4	1277.2	449.0

	mm		mm		mm		mm	
Rare	0.06	0.17	0.23	0.00	0.00	0.00	0.00	0.00
Frequenti	0.06	0.15	0.21	0.00	0.00	0.00	0.00	0.00
Quasi Permanenti	0.06	0.14	0.20	0.00	0.00	0.00	0.00	0.00

VERIFICHE A TAGLIO Trave 101 102 Sez. 4 60x50/30 60x50 [cm] H'=30 [cm] L_{asse} 4.30 L_{netta} 3.80 [m]

Da [m]	A [m]	Dx [m]	VSd ^I [kg]	VRd1 ^I [kg]	VRd2 ^I [kg]	VRd3 ^I [kg]	VSd ^{II} [kg]	VRd1 ^{II} [kg]	VRd2 ^{II} [kg]	VRd3 ^{II} [kg]	Staffe
0.25	0.75	0.50	6415.0	10199.9	85662.7	26489.6	31265.8	13350.6	113104.1	46788.1	ø 12 2br. 7.5'
0.75	1.38	0.62	4711.0	10104.5	109196.5	20860.3	26078.6	14400.4	144176.7	36845.1	Tr.ø 14 2br. 25.0'
1.38	2.92	1.54	2606.1	9986.5	109196.5	15325.9	21365.0	14721.9	144176.7	27069.9	Tr.ø 12 2br. 25.0'
2.92	3.55	0.62	4711.0	10104.5	109196.5	20860.3	27772.7	13920.3	144176.7	36845.1	Tr.ø 14 2br. 25.0'
3.55	4.05	0.50	6415.0	10199.9	85662.7	26489.6	33150.6	12769.3	113104.1	46788.1	ø 12 2br. 7.5'

VERIFICHE A TAGLIO Trave 102 103 Sez. 4 60x50/30 60x50 [cm] H'=30 [cm] L_{asse} 4.80 L_{netta} 4.30 [m]

Da [m]	A [m]	Dx [m]	VSd ^I [kg]	VRd1 ^I [kg]	VRd2 ^I [kg]	VRd3 ^I [kg]	VSd ^{II} [kg]	VRd1 ^{II} [kg]	VRd2 ^{II} [kg]	VRd3 ^{II} [kg]	Staffe
0.25	0.76	0.51	7259.1	10247.2	85662.7	19867.2	33711.8	12769.3	113104.1	35091.1	ø 12 2br. 10.0'
0.76	1.48	0.72	5553.0	10151.6	109196.5	15325.9	25490.7	13511.6	144176.7	27069.9	Tr.ø 12 2br. 25.0'
1.48	3.32	1.84	3111.0	10014.8	109196.5	10643.0	17300.5	15056.7	144176.7	18798.5	Tr.ø 10 2br. 25.0'
3.32	4.04	0.72	5553.0	10151.6	109196.5	15325.9	23564.5	13511.6	144176.7	27069.9	Tr.ø 12 2br. 25.0'
4.04	4.55	0.51	7259.1	10247.2	85662.7	19867.2	30254.4	12769.3	113104.1	35091.1	ø 12 2br. 10.0'

VERIFICHE A TAGLIO Trave 103 104 Sez. 4 60x50/30 60x50 [cm] H'=30 [cm] L_{asse} 4.80 L_{netta} 4.30 [m]

Da [m]	A [m]	Dx [m]	VSd ^I [kg]	VRd1 ^I [kg]	VRd2 ^I [kg]	VRd3 ^I [kg]	VSd ^{II} [kg]	VRd1 ^{II} [kg]	VRd2 ^{II} [kg]	VRd3 ^{II} [kg]	Staffe
0.25	0.75	0.50	7259.1	10247.2	85662.7	19867.2	28854.2	12769.3	113104.1	35091.1	ø 12 2br. 10.0'
0.75	1.50	0.75	5582.6	10153.3	109196.5	15325.9	22698.1	13901.1	144176.7	27069.9	Tr.ø 12 2br. 25.0'
1.50	3.30	1.80	3034.4	10010.5	109196.5	10643.0	16464.4	14721.9	144176.7	18798.5	Tr.ø 10 2br. 25.0'
3.30	4.05	0.75	5582.6	10153.3	109196.5	15325.9	22148.9	13901.1	144176.7	27069.9	Tr.ø 12 2br. 25.0'
4.05	4.55	0.50	7259.1	10247.2	85662.7	19867.2	28293.5	12769.3	113104.1	35091.1	ø 12 2br. 10.0'

VERIFICHE A TAGLIO Trave 104 105 Sez. 4 60x50/30 60x50 [cm] H'=30 [cm] L_{asse} 4.80 L_{netta} 4.30 [m]

Da [m]	A [m]	Dx [m]	VSd ^I [kg]	VRd1 ^I [kg]	VRd2 ^I [kg]	VRd3 ^I [kg]	VSd ^{II} [kg]	VRd1 ^{II} [kg]	VRd2 ^{II} [kg]	VRd3 ^{II} [kg]	Staffe
0.25	0.76	0.51	7259.1	10247.2	85662.7	19867.2	28427.8	12769.3	113104.1	35091.1	ø 12 2br. 10.0'
0.76	1.50	0.74	5553.0	10151.6	109196.5	15325.9	22238.2	13426.5	144176.7	27069.9	Tr.ø 12 2br. 25.0'
1.50	3.30	1.80	3044.1	10011.1	109196.5	10643.0	16347.7	14721.9	144176.7	18798.5	Tr.ø 10 2br. 25.0'
3.30	4.04	0.74	5553.0	10151.6	109196.5	15325.9	22453.9	13426.5	144176.7	27069.9	Tr.ø 12 2br. 25.0'
4.04	4.55	0.51	7259.1	10247.2	85662.7	19867.2	28719.8	12769.3	113104.1	35091.1	ø 12 2br. 10.0'

VERIFICHE A TAGLIO Trave 105 106 Sez. 4 60x50/30 60x50 [cm] H'=30 [cm] L_{asse} 4.80 L_{netta} 4.30 [m]

Da [m]	A [m]	Dx [m]	VSd ^I [kg]	VRd1 ^I [kg]	VRd2 ^I [kg]	VRd3 ^I [kg]	VSd ^{II} [kg]	VRd1 ^{II} [kg]	VRd2 ^{II} [kg]	VRd3 ^{II} [kg]	Staffe
0.25	0.75	0.50	7259.1	10247.2	85662.7	19867.2	28680.7	12769.3	113104.1	35091.1	ø 12 2br. 10.0'
0.75	1.50	0.75	5582.6	10153.3	109196.5	15325.9	22511.1	13414.5	144176.7	27069.9	Tr.ø 12 2br. 25.0'
1.50	3.30	1.80	3034.4	10010.5	109196.5	10643.0	16292.5	14721.9	144176.7	18798.5	Tr.ø 10 2br. 25.0'
3.30	4.05	0.75	5582.6	10153.3	109196.5	15325.9	22331.1	13414.5	144176.7	27069.9	Tr.ø 12 2br. 25.0'
4.05	4.55	0.50	7259.1	10247.2	85662.7	19867.2	28466.9	12769.3	113104.1	35091.1	ø 12 2br. 10.0'

VERIFICHE A TAGLIO Trave 106 107 Sez. 4 60x50/30 60x50 [cm] H'=30 [cm] L_{asse} 4.80 L_{netta} 4.30 [m]

Da [m]	A [m]	Dx [m]	VSd ^I [kg]	VRd1 ^I [kg]	VRd2 ^I [kg]	VRd3 ^I [kg]	VSd ^{II} [kg]	VRd1 ^{II} [kg]	VRd2 ^{II} [kg]	VRd3 ^{II} [kg]	Staffe
0.25	0.75	0.50	7259.1	10247.2	85662.7	19867.2	28431.5	12769.3	113104.1	35091.1	ø 12 2br. 10.0'
0.75	1.51	0.76	5582.6	10153.3	109196.5	15325.9	22314.0	13414.5	144176.7	27069.9	Tr.ø 12 2br. 25.0'
1.51	3.29	1.78	3000.9	10008.7	109196.5	10643.0	16220.2	14721.9	144176.7	18798.5	Tr.ø 10 2br. 25.0'
3.29	4.05	0.76	5582.6	10153.3	109196.5	15325.9	22526.5	13414.5	144176.7	27069.9	Tr.ø 12 2br. 25.0'
4.05	4.55	0.50	7259.1	10247.2	85662.7	19867.2	28716.2	12769.3	113104.1	35091.1	ø 12 2br. 10.0'

VERIFICHE A TAGLIO Trave 107 108 Sez. 4 60x50/30 60x50 [cm] H'=30 [cm] L_{asse} 4.80 L_{netta} 4.30 [m]

Da [m]	A [m]	Dx [m]	VSd ^I [kg]	VRd1 ^I [kg]	VRd2 ^I [kg]	VRd3 ^I [kg]	VSd ^{II} [kg]	VRd1 ^{II} [kg]	VRd2 ^{II} [kg]	VRd3 ^{II} [kg]	Staffe
0.25	0.75	0.50	7259.1	10247.2	85662.7	19867.2	28805.7	12769.3	113104.1	35091.1	ø 12 2br. 10.0'
0.75	1.53	0.78	5582.6	10153.3	109196.5	15325.9	22609.0	13901.1	144176.7	27069.9	Tr.ø 12 2br. 25.0'

1.53	3.27	1.74	2933.8	10004.9	109196.5	10643.0	16139.8	14721.9	144176.7	18798.5	Tr.ø 10 2br. 25.0'
3.27	4.05	0.78	5582.6	10153.3	109196.5	15325.9	22238.1	13901.1	144176.7	27069.9	Tr.ø 12 2br. 25.0'
4.05	4.55	0.50	7259.1	10247.2	85662.7	19867.2	28342.0	12769.3	113104.1	35091.1	ø 12 2br. 10.0'

VERIFICHE A TAGLIO Trave 108 109 Sez. 4 60x50/30 60x50 [cm] H'=30 [cm] L_{asse} 4.80 L_{netta} 4.30 [m]

Da [m]	A [m]	Dx [m]	VSd ^I [kg]	VRd1 ^I [kg]	VRd2 ^I [kg]	VRd3 ^I [kg]	VSd ^{II} [kg]	VRd1 ^{II} [kg]	VRd2 ^{II} [kg]	VRd3 ^{II} [kg]	Staffe
0.25	0.76	0.51	7259.1	10247.2	85662.7	19867.2	27551.6	12769.3	113104.1	35091.1	ø 12 2br. 10.0'
0.76	1.55	0.79	5553.0	10151.6	109196.5	15325.9	21532.5	13426.5	144176.7	27069.9	Tr.ø 12 2br. 25.0'
1.55	3.25	1.70	2876.9	10001.7	109196.5	10643.0	16492.2	14721.9	144176.7	18798.5	Tr.ø 10 2br. 25.0'
3.25	4.04	0.79	5553.0	10151.6	109196.5	15325.9	23072.8	13426.5	144176.7	27069.9	Tr.ø 12 2br. 25.0'
4.04	4.55	0.51	7259.1	10247.2	85662.7	19867.2	29596.6	12769.3	113104.1	35091.1	ø 12 2br. 10.0'

VERIFICHE A TAGLIO Trave 109 110 Sez. 4 60x50/30 60x50 [cm] H'=30 [cm] L_{asse} 4.80 L_{netta} 4.30 [m]

Da [m]	A [m]	Dx [m]	VSd ^I [kg]	VRd1 ^I [kg]	VRd2 ^I [kg]	VRd3 ^I [kg]	VSd ^{II} [kg]	VRd1 ^{II} [kg]	VRd2 ^{II} [kg]	VRd3 ^{II} [kg]	Staffe
0.25	0.77	0.52	7259.1	10247.2	85662.7	26489.6	41223.9	12769.3	113104.1	46788.1	ø 12 2br. 7.5'
0.77	1.51	0.74	5515.6	10149.5	109196.5	20860.3	31467.6	13898.5	144176.7	36845.1	Tr.ø 14 2br. 25.0'
1.51	3.29	1.78	3000.9	10008.7	109196.5	15325.9	20232.2	16106.7	144176.7	27069.9	Tr.ø 12 2br. 25.0'
3.29	4.03	0.74	5515.6	10149.5	109196.5	20860.3	30263.4	13946.4	144176.7	36845.1	Tr.ø 14 2br. 25.0'
4.03	4.55	0.52	7259.1	10247.2	85662.7	26489.6	40019.6	12904.4	113104.1	46788.1	ø 12 2br. 7.5'

VERIFICHE A TAGLIO Trave 110 185 Sez. 1 40x50/30 40x50 [cm] H'=30 [cm] L_{asse} 3.50 L_{netta} 3.10 [m]

Da [m]	A [m]	Dx [m]	VSd ^I [kg]	VRd1 ^I [kg]	VRd2 ^I [kg]	VRd3 ^I [kg]	VSd ^{II} [kg]	VRd1 ^{II} [kg]	VRd2 ^{II} [kg]	VRd3 ^{II} [kg]	Staffe
0.25	0.71	0.46	4689.5	6823.1	57108.5	26489.6	30112.4	9131.0	75402.7	46788.1	ø 12 2br. 7.5'
0.71	1.02	0.31	3248.2	6742.3	72797.6	15325.9	22467.7	9236.0	96117.8	27069.9	Tr.ø 12 2br. 25.0'
1.02	2.57	1.55	2579.2	6704.8	72797.6	10643.0	17260.6	9321.3	96117.8	18798.5	Tr.ø 10 2br. 25.0'
2.57	2.89	0.31	3560.9	6759.8	72797.6	15325.9	13686.2	9401.7	96117.8	27069.9	Tr.ø 12 2br. 25.0'
2.89	3.35	0.46	5002.1	6840.6	57108.5	26489.6	21298.7	9072.7	75402.7	46788.1	ø 12 2br. 7.5'

N.B. Nella travata che segue sono incluse le verifiche delle travate:

- 124 125 126 127 128 129 130 131 132 133 134 187

Nodo	x [m]	Afe [cm²]	Afe ₁ [cm²]	Afi [cm²]	q ^{II} [kg/m]	Md _{plaf} [kgm]	Mde [kgm]	Mre [kgm]	Mde [m]	x/d	Mdi ^I [kgm]	Mri ^I [kgm]	Mdi ^I [kgm]	Mri ^I [kgm]	Mdi ^{II} [kgm]	Mri ^{II} [kgm]	Mdi ^{II} x ^{II} /d ^{II}	σ _{be} [kg/cm²]	σ _{be} ^{PR} [kg/cm²]	σ _{bl} [kg/cm²]	σ _{re} [kg/cm²]	σ _n [kg/cm²]
Trave 102 /1 Sez. 2 70x50/30 70x50 [cm] H'=30 [cm] L_{asse}4.30 L_{netto}3.70 L_{Fase}3.50 [m] q_{medio I'} fase5803.4 q_{medio II'} fase8448.7 [kg/m] (VALORI CARATTERISTICI)																						
112	SLU	0.30	31.67	0.00	26.55	46053	49217	0.94	0.18	-1226	20074	0.06	0.32	-36881	39418	0.94	0.16					
SLE	Rare					4342				0								-0.0	0.0	13.4	347.0	120.0
SLE	Freq					3288				0								-0.0	0.0	10.1	262.7	90.9
SLE	Q.P.					2940				0								-0.0	0.0	9.1	234.9	81.3
CAM	SLU	2.15	13.57	0.00	40.90	14712.9	-17003	0	21925	0.00	0.12	-8887	30714	0.29	0.46	-25889	61342	0.42	0.25			
SLE	Rare					8448.7	-9764	0		-8887					-9764			30.6	90.7	-0.0	348.1	1700.5
SLE	Freq					6759.0	-7811	0		-8887					-7811			24.4	90.7	-0.0	278.4	1577.0
SLE	Q.P.					6195.7	-7160	0		-8887					-7160			22.4	90.7	-0.0	255.2	1535.8
113	SLU	4.00	37.17	0.00	22.36	49827	57147	0.87	0.20	-1226	17395	0.07	0.27	-33197	33380	0.99	0.15					
SLE	Rare					8201				0								-0.0	0.0	24.8	563.8	236.2
SLE	Freq					6797				0								-0.0	0.0	20.6	467.2	195.7
SLE	Q.P.					6325				0								-0.0	0.0	19.2	434.8	182.2
Controllo Fessurazione																						

Calcolo diretto ampiezza fessure

Combinazioni		In. I Fase mm	In. II Fase mm	In. Totali mm	Estradosso mm																
Rare		0.09	0.07	0.16	0.00																
Frequenti		0.09	0.06	0.14	0.00																
Quasi Permanenti		0.09	0.05	0.14	0.00																
Trave 102 /2 Sez. 2 70x50/30 70x50 [cm] H'=30 [cm] L _{asse} =3.25 L _{netto} =2.75 L _{Fase} =2.55 [m] q _{medio I'} fase=5803.4 q _{medio II'} fase=8448.7 [kg/m] (VALORI CARATTERISTICI)																					
113	SLU	0.30	37.17	0.00	22.36	31226	57147	0.55	0.20	-796	17395	0.05	0.27	-29918	33382	0.90	0.15				
SLE	Rare					130				0				-847			2.7	0.0	0.4	25.8	97.3
SLE	Freq					0				0				-851			2.7	0.0	-0.0	25.9	97.7
SLE	Q.P.					0				0				-837			2.7	0.0	-0.0	25.5	96.2
CAM	SLU	1.67	13.57	0.00	25.13	14712.9	-9683	11156	21916	0.51	0.12	-4691	20851	0.23	0.28	-22248	38956	0.57	0.18		
SLE	Rare					8448.7	-5560	0		-4699				-5808			20.8	53.3	-0.0	221.5	1463.1

Controllo Fessurazione

Calcolo diretto ampiezza fessure

Combinazioni		In. I Fase mm	In. II Fase mm	In. Totali mm	Estradosso mm
Rare		0.12	0.08	0.20	0.00
Frequenti		0.12	0.07	0.18	0.00
Quasi Permanenti		0.12	0.06	0.18	0.00
<i>Trave 102 /6 Sez. 2 70x50/30 70x50 [cm] H=30 [cm] L_{base}4.80 L_{netto}4.20 L_{Facc}4.00 [m] q_{medio I'} f_{acc}5803.4 q_{medio II'} f_{acc}8448.7 [kg/m] (VALORI CARATTERISTICI)</i>					
117	SLU	0.30 31.86 0.00 22.36	46111 49411 0.93 0.18 -1270 17395 0.07 0.27 -27609 33392 0.83 0.15		
SLE	Rare		9627 0	0	-0.0 0.0 30.6 766.9 280.4
SLE	Freq		7716 0	0	-0.0 0.0 24.5 614.7 224.7
SLE	Q.P.		7079 0	0	-0.0 0.0 22.5 564.0 206.2
CAM	SLU	2.40 13.57 0.00 39.33 14712.9	0 21923 0.00 0.12 -11607 29837 0.39 0.44 -32793 59262 0.55 0.23		
SLE	Rare		8448.7 -12166 0	-12166	38.5 119.3 -0.0 436.1 2259.5
SLE	Freq		6759.0 -9733 0	-9733	30.8 119.3 -0.0 348.9 2100.0
SLE	Q.P.		6195.7 -8922 0	-8922	28.2 119.3 -0.0 319.8 2046.9
118	SLU	4.50 31.86 0.00 19.01	46735 49442 0.95 0.19 -1270 15118 0.08 0.23 -26892 28582 0.94 0.14		
SLE	Rare		10598 0	0	-0.0 0.0 34.5 844.6 322.1
SLE	Freq		8440 0	0	-0.0 0.0 27.5 672.7 256.5
SLE	Q.P.		7719 0	0	-0.0 0.0 25.1 615.2 234.6

Controllo Fessurazione

Calcolo diretto ampiezza fessure

Combinazioni		In. I Fase mm	In. II Fase mm	In. Totali mm	Estradosso mm
Rare		0.13	0.09	0.22	0.00
Frequenti		0.13	0.07	0.20	0.00
Quasi Permanenti		0.13	0.07	0.19	0.00
<i>Trave 102 /7 Sez. 2 70x50/30 70x50 [cm] H=30 [cm] L_{base}4.80 L_{netto}4.20 L_{Facc}4.00 [m] q_{medio I'} f_{acc}5803.4 q_{medio II'} f_{acc}8448.8 [kg/m] (VALORI CARATTERISTICI)</i>					
118	SLU	0.30 31.86 0.00 19.01	46303 49442 0.94 0.19 -1270 15118 0.08 0.23 -26795 28582 0.94 0.14		
SLE	Rare		10418 0	0	-0.0 0.0 33.9 830.3 316.6
SLE	Freq		8298 0	0	-0.0 0.0 27.0 661.4 252.2
SLE	Q.P.		7592 0	0	-0.0 0.0 24.7 605.0 230.7
CAM	SLU	2.40 13.57 0.00 39.33 14712.9	0 21923 0.00 0.12 -11607 29837 0.39 0.44 -32793 59262 0.55 0.23		

SLE	Rare	8448.8	-12166	0	-11607	-12166	38.5	119.3	-0.0	436.1	2259.5								
SLE	Freq	6759.0	-9733	0	-11607	-9733	30.8	119.3	-0.0	348.9	2100.0								
SLE	Q.P.	6195.8	-8922	0	-11607	-8922	28.2	119.3	-0.0	319.8	2046.9								
119	SLU	4.50	31.86	0.00	19.01	46777	49442	0.95	0.19	15118	0.08	0.23	28582	0.92	0.14				
SLE	Rare					10814				0			0		-0.0	0.0	35.2	861.8	328.7
SLE	Freq					8696				0			0		-0.0	0.0	28.3	693.1	264.3
SLE	Q.P.					7991				0			0		-0.0	0.0	26.0	636.8	242.8
Controllo Fessurazione																			

Calcolo diretto ampiezza fessure

Combinazioni		In. I Fase mm	In. II Fase mm	In. Totali mm	Estradosso mm																
Rare		0.13	0.09	0.22	0.00																
Frequenti		0.13	0.07	0.20	0.00																
Quasi Permanenti		0.13	0.07	0.19	0.00																
Trave 102/8 Sez. 2 70x50/30 70x50 [cm] H'=30 [cm] L _{asse} =4.80 L _{netto} =4.20 L _{face} =4.00 [m] q _{medio I'} face=5803.4 q _{medio II'} face=8448.7 [kg/m] (VALORI CARATTERISTICI)																					
119	SLU	0.30	31.86	0.00	19.01	47006	49442	0.95	0.19	-1270	15118	0.08	0.23	-26259	28582	0.92	0.14				
SLE	Rare					10969				0				0	-0.0	0.0	35.7	874.2	333.4		
SLE	Freq					8852				0				0	-0.0	0.0	28.8	705.4	269.0		
SLE	Q.P.					8146				0				0	-0.0	0.0	26.5	649.2	247.6		
CAM	SLU	2.40	13.57	0.00	39.33	14712.9	-21187	0	21923	0.00	0.12	-11607	29837	0.39	0.44	-32793	59262	0.55	0.23		
SLE	Rare					8448.8	-12166	0				-11607				-12166	38.5	119.3	-0.0	436.1	2259.5
SLE	Freq					6759.0	-9733	0				-11607				-9733	30.8	119.3	-0.0	348.9	2100.0
SLE	Q.P.					6195.7	-8922	0				-11607				-8922	28.2	119.3	-0.0	319.8	2046.9
120	SLU	4.50	31.86	0.00	19.01			46040	49442	0.93	0.19	-1270	15118	0.08	0.23	-27240	28582	0.95	0.14		
SLE	Rare							10081				0				0	-0.0	0.0	32.8	803.4	306.4
SLE	Freq							7968				0				0	-0.0	0.0	25.9	635.0	242.2
SLE	Q.P.							7263				0				0	-0.0	0.0	23.6	578.8	220.7
Controllo Fessurazione																					

Calcolo diretto ampiezza fessure

Combinazioni		In. I Fase mm	In. II Fase mm	In. Totali mm	Estradosso mm
Rare		0.13	0.09	0.22	0.00
Frequenti		0.13	0.07	0.20	0.00

Quasi Permanenti					0.13		0.07		0.19		0.00											
Trave 102/9 Sez. 2 70x50/30 70x50 [cm] H'=30 [cm] L _{asse} 4.80 L _{netto} 4.20 L _{Fase} 4.00 [m] q _{medio I'} fase5803.4 q _{medio II'} fase8448.8 [kg/m] (VALORI CARATTERISTICI)																						
120	SLU	0.30	31.86	0.00	19.01	45547	49442	0.92	0.19	-1270	15118	0.08	0.23	-27439	28582	0.96	0.14					
SLE	Rare					9854				0				0		-0.0	0.0	32.1	785.3	299.5		
SLE	Freq					7735				0				0		-0.0	0.0	25.2	616.4	235.1		
SLE	Q.P.					7028				0				0		-0.0	0.0	22.9	560.1	213.6		
CAM	SLU	2.40	13.57	0.00	39.33	14712.9	-21187	0	21923	0.00	0.12	-11607	29837	0.39	0.44	-32793	59262	0.55	0.23			
SLE	Rare					8448.8	-12166	0				-11607				-12166		38.5	119.3	-0.0	436.1	2259.5
SLE	Freq					6759.0	-9733	0				-11607				-9733		30.8	119.3	-0.0	348.9	2100.0
SLE	Q.P.					6195.8	-8922	0				-11607				-8922		28.2	119.3	-0.0	319.8	2046.9
121	SLU	4.50	42.47	0.00	19.01	48861	64826	0.75	0.22	-1270	15118	0.08	0.23	-23779	28553	0.83	0.14					
SLE	Rare					12997				0				0		-0.0	0.0	38.8	787.3	385.2		
SLE	Freq					10903				0				0		-0.0	0.0	32.5	660.5	323.1		
SLE	Q.P.					10203				0				0		-0.0	0.0	30.4	618.1	302.4		
Controllo Fessurazione																						

Calcolo diretto ampiezza fessure

Combinazioni					In. I Fase mm	In. II Fase mm			In. Totali mm	Estradosso mm												
Rare				0.13		0.09		0.22		0.00												
Frequenti				0.13		0.07		0.20		0.00												
Quasi Permanenti				0.13		0.07		0.19		0.00												
Trave 102/10 Sez. 2 70x50/30 70x50 [cm] H'=30 [cm] L _{asse} 4.80 L _{netto} 4.20 L _{Fase} 4.00 [m] q _{medio I'} fase5803.4 q _{medio II'} fase15958.7 [kg/m] (VALORI CARATTERISTICI)																						
121	SLU	0.30	42.47	0.00	19.01	57515	64430	0.89	0.22	-1270	14977	0.08	0.23	-22501	28367	0.79	0.14					
SLE	Rare					17207				0				0		-0.0	0.0	51.9	1048.7	507.0		
SLE	Freq					15199				0				0		-0.0	0.0	45.8	926.3	447.9		
SLE	Q.P.					14512				0				0		-0.0	0.0	43.8	884.4	427.6		
CAM	SLU	2.40	21.24	0.00	57.37	25226.9	-36327	0	33389	0.00	0.13	-11607	38749	0.30	0.64	-47934	83534	0.57	0.34			
SLE	Rare					15958.7	-22981	0				-11607				-22981		61.5	113.5	-0.0	706.6	2091.3
SLE	Freq					14269.0	-20547	0				-11607				-20547		55.0	113.2	-0.0	631.8	1980.0
SLE	Q.P.					13705.7	-19736	0				-11607				-19736		52.8	113.1	-0.0	606.8	1942.9
122	SLU	4.50	40.90	0.00	19.01	62222	62227	1.00	0.21	-1270	14977	0.08	0.23	-21743	28377	0.77	0.14					
SLE	Rare					20090				0				0		-0.0	0.0	61.2	1272.2	593.6		
SLE	Freq					17936				0				0		-0.0	0.0	54.7	1135.8	530.0		
SLE	Q.P.					17236				0				0		-0.0	0.0	52.5	1091.4	509.3		

Controllo Fessurazione

Calcolo diretto ampiezza fessure

Combinazioni		In. I Fase mm	In. II Fase mm	In. Totali mm	Estradosso mm
Rare		0.08	0.15	0.23	0.00
Frequenti		0.08	0.13	0.21	0.00
Quasi Permanenti		0.08	0.12	0.20	0.00
Trave 102 / I Sez. 2 70x50/30 70x50 [cm] H'=30 [cm] L _{asse} =3.50 L _{netta} =3.05 L _{Fase} =2.85 [m] q _{medio I'} fase=5803.4 q _{medio II'} fase=15958.7 [kg/m] (VALORI CARATTERISTICI)					
122	SLU	0.30	40.90	0.00	19.01
	SLE	Rare			
	SLE	Freq			
	SLE	Q.P.			
CAM	SLU	1.82	13.57	0.00	40.72
	SLE	Rare			
	SLE	Freq			
	SLE	Q.P.			
186	SLU	3.35	22.62	0.00	15.21
	SLE	Rare			
	SLE	Freq			
	SLE	Q.P.			

Calcolo diretto ampiezza fessure

Combinazioni		In. I Fase mm	In. II Fase mm	In. Totali mm	Estradosso mm
Rare		0.05	0.16	0.22	0.00
Frequenti		0.05	0.14	0.19	0.00
Quasi Permanenti		0.05	0.13	0.19	0.00

VERIFICHE A TAGLIO Trave 112 113 Sez. 2 70x50/30 70x50 [cm] H'=30 [cm] L_{asse} 4.30 L_{netta} 3.70 [m]

Da [m]	A [m]	Dx [m]	VSd ^I [kg]	VRd1 ^I [kg]	VRd2 ^I [kg]	VRd3 ^I [kg]	VSd ^{II} [kg]	VRd1 ^{II} [kg]	VRd2 ^{II} [kg]	VRd3 ^{II} [kg]	Staffe
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0.30	0.76	0.46	10736.4	12082.1	99939.9	36055.2	41191.7	16773.3	131954.8	63683.8	ø 14 2br. 7.5'
0.76	1.48	0.72	8095.3	11934.1	127395.9	27246.0	35731.1	17181.1	168206.1	48124.2	Tr.ø 16 2br. 25.0'
1.48	2.82	1.35	3904.1	11699.3	127395.9	20860.3	28880.8	18242.9	168206.1	36845.1	Tr.ø 14 2br. 25.0'
2.82	3.54	0.72	8095.3	11934.1	127395.9	27246.0	37546.6	16616.8	168206.1	48124.2	Tr.ø 16 2br. 25.0'
3.54	4.00	0.46	10736.4	12082.1	99939.9	36055.2	43007.2	16203.5	131954.8	63683.8	ø 14 2br. 7.5'

VERIFICHE A TAGLIO Trave 113 114 Sez. 2 70x50/30 70x50 [cm] H'=30 [cm] L_{asse} 3.25 L_{netta} 2.75 [m]

Da [m]	A [m]	Dx [m]	VSd ^I [kg]	VRd1 ^I [kg]	VRd2 ^I [kg]	VRd3 ^I [kg]	VSd ^{II} [kg]	VRd1 ^{II} [kg]	VRd2 ^{II} [kg]	VRd3 ^{II} [kg]	Staffe
0.30	0.76	0.46	7675.0	11910.6	99939.9	36055.2	38962.9	16203.5	131954.8	63683.8	ø 14 2br. 7.5'
0.76	1.27	0.50	4981.8	11759.7	127395.9	27246.0	33394.3	16581.0	168206.1	48124.2	Tr.ø 16 2br. 25.0'
1.27	2.08	0.81	2639.6	11628.5	127395.9	20860.3	31719.1	16581.0	168206.1	36845.1	Tr.ø 14 2br. 25.0'
2.08	2.58	0.50	5562.1	11792.2	127395.9	27246.0	37761.6	16666.3	168206.1	48124.2	Tr.ø 16 2br. 25.0'
2.58	3.05	0.46	8255.4	11943.1	99939.9	36055.2	43330.2	17243.3	131954.8	63683.8	ø 14 2br. 7.5'

VERIFICHE A TAGLIO Trave 114 115 Sez. 3 35x50/30 35x50 [cm] H'=30 [cm] L_{asse} 3.63 L_{netta} 2.83 [m]

Da [m]	A [m]	Dx [m]	VSd ^I [kg]	VRd1 ^I [kg]	VRd2 ^I [kg]	VRd3 ^I [kg]	VSd ^{II} [kg]	VRd1 ^{II} [kg]	VRd2 ^{II} [kg]	VRd3 ^{II} [kg]	Staffe
0.20	0.70	0.50	4948.1	6017.5	49969.9	19867.2	23484.6	8667.5	65977.4	35091.1	ø 12 2br. 10.0'
0.70	2.53	1.82	3401.9	5930.9	63697.9	20860.3	20272.3	8717.7	84103.1	36845.1	Tr.ø 14 2br. 25.0'
2.53	3.03	0.50	3722.5	5948.9	49969.9	19867.2	21020.4	8557.8	65977.4	35091.1	ø 12 2br. 10.0'

VERIFICHE A TAGLIO Trave 115 116 Sez. 3 35x50/30 35x50 [cm] H'=30 [cm] L_{asse} 2.73 L_{netta} 1.93 [m]

Da [m]	A [m]	Dx [m]	VSd ^I [kg]	VRd1 ^I [kg]	VRd2 ^I [kg]	VRd3 ^I [kg]	VSd ^{II} [kg]	VRd1 ^{II} [kg]	VRd2 ^{II} [kg]	VRd3 ^{II} [kg]	Staffe
0.60	1.08	0.48	2336.2	5871.2	49969.9	26489.6	27696.7	8557.8	65977.4	46788.1	ø 12 2br. 7.5'
1.08	2.04	0.96	2087.2	5857.2	63697.9	20860.3	26385.2	8749.7	84103.1	36845.1	Tr.ø 14 2br. 25.0'
2.04	2.53	0.48	3561.7	5939.8	49969.9	26489.6	29448.6	9746.8	65977.4	46788.1	ø 12 2br. 7.5'

VERIFICHE A TAGLIO Trave 116 117 Sez. 2 70x50/30 70x50 [cm] H'=30 [cm] L_{asse} 4.80 L_{netta} 4.30 [m]

Da [m]	A [m]	Dx [m]	VSd ^I [kg]	VRd1 ^I [kg]	VRd2 ^I [kg]	VRd3 ^I [kg]	VSd ^{II} [kg]	VRd1 ^{II} [kg]	VRd2 ^{II} [kg]	VRd3 ^{II} [kg]	Staffe
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0.20	0.72	0.52	7702.9	11912.1	99939.9	26489.6	31244.2	16253.0	131954.8	46788.1	ø 12 2br. 7.5'
0.72	1.49	0.77	5894.8	11810.9	127395.9	20860.3	27731.2	16381.0	168206.1	36845.1	Tr.ø 14 2br. 25.0'
1.49	3.21	1.72	3182.7	11658.9	127395.9	15325.9	22461.6	16581.0	168206.1	27069.9	Tr.ø 12 2br. 25.0'
3.21	3.98	0.77	5544.7	11791.2	127395.9	20860.3	26693.5	16581.0	168206.1	36845.1	Tr.ø 14 2br. 25.0'
3.98	4.50	0.52	7352.8	11892.5	99939.9	26489.6	30206.6	16248.6	131954.8	46788.1	ø 12 2br. 7.5'

VERIFICHE A TAGLIO Trave 117 118 Sez. 2 70x50/30 70x50 [cm] H'=30 [cm] L_{asse} 4.80 L_{netta} 4.20 [m]

Da [m]	A [m]	Dx [m]	VSd ¹ [kg]	VRd1 ¹ [kg]	VRd2 ¹ [kg]	VRd3 ¹ [kg]	VSd ^{II} [kg]	VRd1 ^{II} [kg]	VRd2 ^{II} [kg]	VRd3 ^{II} [kg]	Staffe
0.30	0.75	0.45	12187.2	12163.4	99939.9	36055.2	42677.4	16203.5	131954.8	63683.8	ø 14 2br. 7.5'
0.75	1.50	0.75	9600.3	12018.4	127395.9	27246.0	35389.6	16570.0	168206.1	48124.2	Tr.ø 16 2br. 25.0'
1.50	3.30	1.80	5231.3	11773.7	127395.9	20860.3	26645.2	18171.5	168206.1	36845.1	Tr.ø 14 2br. 25.0'
3.30	4.05	0.75	9600.3	12018.4	127395.9	27246.0	35678.6	16442.1	168206.1	48124.2	Tr.ø 16 2br. 25.0'
4.05	4.50	0.45	12187.2	12163.4	99939.9	36055.2	43510.9	15748.0	131954.8	63683.8	ø 14 2br. 7.5'

VERIFICHE A TAGLIO Trave 118 119 Sez. 2 70x50/30 70x50 [cm] H'=30 [cm] L_{asse} 4.80 L_{netta} 4.20 [m]

Da [m]	A [m]	Dx [m]	VSd ¹ [kg]	VRd1 ¹ [kg]	VRd2 ¹ [kg]	VRd3 ¹ [kg]	VSd ^{II} [kg]	VRd1 ^{II} [kg]	VRd2 ^{II} [kg]	VRd3 ^{II} [kg]	Staffe
0.30	0.80	0.50	12187.2	12163.4	99939.9	36055.2	42964.1	15748.0	131954.8	63683.8	ø 14 2br. 7.5'
0.80	1.47	0.67	9312.9	12002.3	127395.9	27246.0	34728.6	16501.5	168206.1	48124.2	Tr.ø 16 2br. 25.0'
1.47	3.33	1.86	5403.8	11783.4	127395.9	20860.3	26836.2	18073.5	168206.1	36845.1	Tr.ø 14 2br. 25.0'
3.33	4.00	0.67	9312.9	12002.3	127395.9	27246.0	34918.6	16501.5	168206.1	48124.2	Tr.ø 16 2br. 25.0'
4.00	4.50	0.50	12187.2	12163.4	99939.9	36055.2	43240.8	15748.0	131954.8	63683.8	ø 14 2br. 7.5'

VERIFICHE A TAGLIO Trave 119 120 Sez. 2 70x50/30 70x50 [cm] H'=30 [cm] L_{asse} 4.80 L_{netta} 4.20 [m]

Da [m]	A [m]	Dx [m]	VSd ¹ [kg]	VRd1 ¹ [kg]	VRd2 ¹ [kg]	VRd3 ¹ [kg]	VSd ^{II} [kg]	VRd1 ^{II} [kg]	VRd2 ^{II} [kg]	VRd3 ^{II} [kg]	Staffe
0.30	0.80	0.50	12187.2	12163.4	99939.9	36055.2	43387.0	15748.0	131954.8	63683.8	ø 14 2br. 7.5'
0.80	1.49	0.69	9312.9	12002.3	127395.9	27246.0	35064.7	16501.5	168206.1	48124.2	Tr.ø 16 2br. 25.0'
1.49	3.31	1.82	5288.8	11776.9	127395.9	20860.3	26744.5	18138.8	168206.1	36845.1	Tr.ø 14 2br. 25.0'
3.31	4.00	0.69	9312.9	12002.3	127395.9	27246.0	34643.0	16501.5	168206.1	48124.2	Tr.ø 16 2br. 25.0'
4.00	4.50	0.50	12187.2	12163.4	99939.9	36055.2	42818.9	15748.0	131954.8	63683.8	ø 14 2br. 7.5'

VERIFICHE A TAGLIO Trave 120 121 Sez. 2 70x50/30 70x50 [cm] H'=30 [cm] L_{asse} 4.80 L_{netta} 4.20 [m]

Da [m]	A [m]	Dx [m]	VSd ^I [kg]	VRd1 ^I [kg]	VRd2 ^I [kg]	VRd3 ^I [kg]	VSd ^{II} [kg]	VRd1 ^{II} [kg]	VRd2 ^{II} [kg]	VRd3 ^{II} [kg]	Staffe
0.30	0.75	0.45	12187.2	12163.4	99939.9	36055.2	42037.7	15748.0	131954.8	63683.8	ø 14 2br. 7.5'
0.75	1.50	0.75	9600.3	12018.4	127395.9	27246.0	34593.2	16442.1	168206.1	48124.2	Tr.ø 16 2br. 25.0'
1.50	3.30	1.80	5231.3	11773.7	127395.9	20860.3	27070.7	18171.5	168206.1	36845.1	Tr.ø 14 2br. 25.0'
3.30	4.05	0.75	9600.3	12018.4	127395.9	27246.0	36147.3	16442.1	168206.1	48124.2	Tr.ø 16 2br. 25.0'
4.05	4.50	0.45	12187.2	12163.4	99939.9	36055.2	44167.4	15748.0	131954.8	63683.8	ø 14 2br. 7.5'

VERIFICHE A TAGLIO Trave 121 122 Sez. 2 70x50/30 70x50 [cm] H'=30 [cm] L_{asse} 4.80 L_{netta} 4.20 [m]

Da [m]	A [m]	Dx [m]	VSd ^I [kg]	VRd1 ^I [kg]	VRd2 ^I [kg]	VRd3 ^I [kg]	VSd ^{II} [kg]	VRd1 ^{II} [kg]	VRd2 ^{II} [kg]	VRd3 ^{II} [kg]	Staffe
0.30	0.89	0.59	12187.2	12163.4	99939.9	47092.5	64283.2	15748.0	131954.8	83178.8	ø 16 2br. 7.5'
0.89	1.66	0.76	8738.0	11970.1	127395.9	32764.7	46054.7	17976.0	168206.1	57871.8	Tr.ø 16 2br. 25.0' + ø 10 2br. 25.0'
1.66	3.14	1.49	4311.5	11722.2	127395.9	27246.0	31500.9	20963.8	168206.1	48124.2	Tr.ø 16 2br. 25.0'
3.14	3.91	0.76	8738.0	11970.1	127395.9	32764.7	47698.9	17976.0	168206.1	57871.8	Tr.ø 16 2br. 25.0' + ø 10 2br. 25.0'
3.91	4.50	0.59	12187.2	12163.4	99939.9	47092.5	66141.4	15748.0	131954.8	83178.8	ø 16 2br. 7.5'

VERIFICHE A TAGLIO Trave 122 186 Sez. 2 70x50/30 70x50 [cm] H'=30 [cm] L_{asse} 3.50 L_{netta} 3.05 [m]

Da [m]	A [m]	Dx [m]	VSd ^I [kg]	VRd1 ^I [kg]	VRd2 ^I [kg]	VRd3 ^I [kg]	VSd ^{II} [kg]	VRd1 ^{II} [kg]	VRd2 ^{II} [kg]	VRd3 ^{II} [kg]	Staffe
0.30	0.82	0.52	8415.0	11952.0	99939.9	36055.2	55112.5	15748.0	131954.8	63683.8	ø 14 2br. 7.5'
0.82	1.33	0.51	5369.1	11781.4	127395.9	27246.0	38826.6	16714.0	168206.1	48124.2	Tr.ø 16 2br. 25.0'
1.33	2.32	0.99	3308.7	11666.0	127395.9	20860.3	23171.8	17895.6	168206.1	36845.1	Tr.ø 14 2br. 25.0'
2.32	2.83	0.51	6239.6	11830.2	127395.9	27246.0	23911.5	16481.6	168206.1	48124.2	Tr.ø 16 2br. 25.0'
2.83	3.35	0.52	9285.5	12000.8	99939.9	36055.2	39549.1	15231.1	131954.8	63683.8	ø 14 2br. 7.5'

Nodo	x [m]	Afe [cm²]	Afe ₁ [cm²]	Afi [cm²]	q ^{II} [kg/m]	Md _{plaf} [kgm]	Mde [kgm]	Mre [kgm]	Mde [m]	x/d	Mdi ^I [kgm]	Mri ^I [kgm]	Mdi ^I [kgm]	Mri ^I [kgm]	Mdi ^{II} x ^{II} /d ^{II} [kg/cm²]	σ _{DE} [kg/cm²]	σ _{DE} ^{PR} [kg/cm²]	σ _{BI} [kg/cm²]	σ _{RE} [kg/cm²]	σ _n [kg/cm²]
Trave 104 /1 Sez. 4 60x50/30 60x50 [cm] / H'=30 [cm] / L _{asse} =4.30 [m] L _{netto} =3.80 [m] q _{medio I'} f _{acc} =3376.3 Q _{medio II'} f _{acc} =8502.2 [kg/m] (VALORI CARATTERISTICI)																				
136 SLU	0.25	24.98	0.00	15.21		36338	39197	0.93	0.18	-660	12283	0.05	0.22	-22644	23072	0.98	0.14			
SLE Rare						5467				0				0				21.3	551.2	199.4
SLE Freq						4845				0				0				18.9	488.6	176.7
SLE Q.P.						4643				0				0				18.1	468.1	169.3
CAM SLU 2.15 11.40 0.00 25.29 13553.8 -15663 0 18539 0.00 0.11 -5470 20620 0.27 0.32 -21133 39152 0.54 0.20																				
SLE Rare										-5470	-9825			-9825				-0.0	434.3	2012.6
SLE Freq										-5470	-8785			-8785				-0.0	388.3	1909.1
SLE Q.P.										-5470	-8438			-8438				-0.0	373.0	1874.6
137 SLU 4.05 22.62 0.00 11.92																				
SLE Rare						9156				0				0				38.1	1013.1	348.5
SLE Freq						8200				0				0				34.1	907.4	312.1
SLE Q.P.						7877				0				0				32.7	871.6	299.8
Controllo Fessurazione																				

Calcolo diretto ampiezza fessure

Combinazioni		In. I Fase mm	In. II Fase mm	In. Totali mm	Estradosso mm
Rare		0.08	0.12	0.20	
Frequenti		0.08	0.11	0.19	
Quasi Permanenti		0.08	0.10	0.19	
Trave 104 /2 Sez. 4 60x50/30 60x50 [cm] / H'=30 [cm] / L _{asse} =4.80 [m] L _{netto} =4.30 [m] q _{medio I'} f _{acc} =3376.3 Q _{medio II'} f _{acc} =7185.6 [kg/m] (VALORI CARATTERISTICI)					
137 SLU	0.25	22.62	0.00	11.92	
SLE Rare					
SLE Freq					
SLE Q.P.					
CAM SLU 2.40 11.40 0.00 28.05 11710.5 -16863 0 18609 0.00 0.11 -7094 22632 0.31 0.36 -23958 43461 0.55 0.21					
SLE Rare					
SLE Freq					
SLE Q.P.					
138 SLU 4.55 20.45 0.00 10.93					
SLE Rare					

SLE	Freq	7589	0	0	-0.0	0.0	32.8	924.7	297.0
SLE	Q.P.	7185	0	0	-0.0	0.0	31.1	875.5	281.2

Controllo Fessurazione

Calcolo diretto ampiezza fessure

Combinazioni		In. I Fase mm	In. II Fase mm	In. Totali mm	Estradosso mm																	
Rare		0.10	0.11	0.21	0.00																	
Frequenti		0.10	0.10	0.20	0.00																	
Quasi Permanenti		0.10	0.09	0.19	0.00																	
Trave 104/3 Sez. 4 60x50/30 60x50 [cm] H'=30 [cm] L _{ass} =4.80 L _{netto} =4.30 L _{Fase} =4.10 [m] q _{medio I'} fase=3376.3 q _{medio II'} fase=5902.2 [kg/m] (VALORI CARATTERISTICI)																						
138	SLU	0.25	20.45	0.00	10.93	30569	32545	0.94	0.16	-765	9038	0.08	0.18	-13214	16752	0.79	0.12					
SLE	Rare					8708				0				0				-0.0	0.0	37.7	1060.9	340.8
SLE	Freq					7483				0				0				-0.0	0.0	32.4	911.7	292.9
SLE	Q.P.					7074				0				0				-0.0	0.0	30.6	862.0	276.9
CAM	SLU	2.40	11.40	0.00	25.29	9913.8	-14276	0	18612	0.00	0.11	-7095	20809	0.34	0.32	-21370	39411	0.54	0.19			
SLE	Rare					5902.2	-8499	0				-7095				-8499		33.2	87.9	-0.0	377.9	2171.8
SLE	Freq					5001.8	-7203	0				-7095				-7203		28.2	87.9	-0.0	320.2	2043.6
SLE	Q.P.					4701.6	-6770	0				-7095				-6770		26.5	87.9	-0.0	301.0	2000.9
139	SLU	4.55	20.45	0.00	10.93	29505	32545	0.91	0.16	-777	9038	0.09	0.18	-14251	16752	0.85	0.12					
SLE	Rare					7591				0						0		-0.0	0.0	32.8	924.9	297.1
SLE	Freq					6375				0						0		-0.0	0.0	27.6	776.8	249.5
SLE	Q.P.					5970				0						0		-0.0	0.0	25.8	727.4	233.7
Controllo Fessurazione																						

Controllo Fessurazione

Calcolo diretto ampiezza fessure

Combinazioni		In. I Fase mm	In. II Fase mm	In. Totali mm	Estradosso mm																	
Rare		0.11	0.10	0.22	0.00																	
Frequenti		0.11	0.09	0.20	0.00																	
Quasi Permanenti		0.11	0.08	0.20	0.00																	
Trave 104 /4 Sez. 4 60x50/30 60x50 [cm] H'=30 [cm] L _{asse} =4.80 L _{netto} =4.30 L _{Fase} =4.10 [m] q _{medio I'} fase=3376.3 q _{medio II'} fase=5902.2 [kg/m] (VALORI CARATTERISTICI)																						
139	SLU	0.25	20.45	0.00	10.93	29517	32545	0.91	0.16	-763	9038	0.08	0.18	-13979	16752	0.83	0.12					
SLE	Rare					7861				0				0				-0.0	0.0	34.0	957.8	307.7
SLE	Freq					6634				0				0				-0.0	0.0	28.7	808.3	259.6

[illegible]

Calcolo diretto ampiezza fessure

Combinazioni			In. I Fase mm	In. II Fase mm			In. Totali mm		Estradosso mm
Rare			0.11		0.10		0.22		0.00
Frequenti			0.11		0.09		0.20		0.00
Quasi Permanenti			0.11		0.08		0.20		0.00
Trave 104 /5 Sez. 4 60x50/30 60x50 [cm] H=30 [cm] L _{asse} =4.80 L _{netto} =4.30 L _{Fase} =4.10 [m] q _{medio I'} =3376.3 q _{medio II'} =5902.2 [kg/m] (VALORI CARATTERISTICI)									
140	SLU	0.25 20.45 0.00 10.93	29884	32545	0.92 0.16	-763	9038	0.08 0.18	-13521 16752 0.81 0.12
SLE	Rare		8274			0		0	-0.0 0.0 35.8 1008.1 323.8
SLE	Freq		7048			0		0	-0.0 0.0 30.5 858.7 275.8
SLE	Q.P.		6639			0		0	-0.0 0.0 28.7 809.0 259.9
CAM	SLU	2.40 11.40 0.00 25.29	9913.8	-14276	0	18612	0.00 0.11	-7094 20809	0.34 0.32 -21370 39411 0.54 0.19
SLE	Rare		5902.3	-8499	0			-7094	-8499
SLE	Freq		5001.8	-7203	0			-7094	-7203
SLE	Q.P.		4701.7	-6770	0			-7094	-6770
141	SLU	4.55 20.45 0.00 10.93	29318	32545	0.90 0.16	-763	9038	0.08 0.18	-14034 16752 0.84 0.12
SLE	Rare		7722			0		0	-0.0 0.0 33.4 940.8 302.2
SLE	Freq		6508			0		0	-0.0 0.0 28.1 793.0 254.7
SLE	Q.P.		6103			0		0	-0.0 0.0 26.4 743.6 238.9
Controllo Fessurazione									

Calcolo diretto ampiezza fessure

[illegible]

Calcolo diretto ampiezza fessure

Combinazioni										In. I Fase mm	In. II Fase mm	In. Totali mm	Estradosso mm							
Rare					0.11				0.10		0.22	0.00								
Frequenti					0.11				0.09		0.20	0.00								
Quasi Permanenti					0.11				0.08		0.20	0.00								
Trave 104/7 Sez. 4 60x50/30 60x50 [cm] / H ^t =30 [cm] / L _{asse} 4.80 L _{netto} 4.30 L _{Fase} 4.10 [m] q _{medio I'} fase3376.3 q _{medio II'} fase5902.2 [kg/m] (VALORI CARATTERISTICI)																				
142	SLU	0.25	20.45	0.00	10.93	29985	32545	0.92	0.16	-763	9038	0.08	0.18	-13452	16752	0.80	0.12			
SLE	Rare					8364				0				0		-0.0	0.0	36.2	1019.0	327.3
SLE	Freq					7135				0				0		-0.0	0.0	30.9	869.3	279.2
SLE	Q.P.					6726				0				0		-0.0	0.0	29.1	819.5	263.2
CAM	SLU	2.40	11.40	0.00	25.29	9913.8	-14276	0	18612	0.00	0.11	-7094	20809	0.34	0.32	-21370	39411	0.54	0.19	
SLE	Rare					5902.3	-8499	0		-7094				-8499		33.2	87.9	-0.0	377.9	2171.8
SLE	Freq					5001.8	-7203	0		-7094				-7203		28.2	87.9	-0.0	320.2	2043.6
SLE	Q.P.					4701.7	-6770	0		-7094				-6770		26.5	87.9	-0.0	301.0	2000.9
143	SLU	4.55	20.45	0.00	10.93	28996	32545	0.89	0.16	-763	9038	0.08	0.18	-14288	16752	0.85	0.12			
SLE	Rare					7431				0				0		-0.0	0.0	32.1	905.4	290.8

SLE	Freq	6222	0	0	-0.0	0.0	26.9	758.1	243.5
SLE	Q.P.	5819	0	0	-0.0	0.0	25.2	709.0	227.7

Controllo Fessurazione

Calcolo diretto ampiezza fessure

Combinazioni			In. I Fase mm	In. I Fase mm			In. II Fase mm			In. Totali mm	Estradosso mm		
Rare			0.11			0.10			0.22			0.00	
Frequenti			0.11			0.09			0.20			0.00	
Quasi Permanenti			0.11			0.08			0.20			0.00	
Trave 104/8 Sez. 4 60x50/30 60x50 [cm] H'=30 [cm] L _{asse} 4.80 L _{netto} 4.30 L _{Fase} 4.10 [m] q _{medio I'} fase3376.3 q _{medio II'} fase5902.2 [kg/m] (VALORI CARATTERISTICI)													
143	SLU	0.25 20.45 0.00 10.93	28907	32545	0.89	0.16	-763	9038	0.08	0.18	-14383	16752 0.86 0.12	
SLE	Rare		7359				0			0		-0.0 0.0 31.8 896.7 288.0	
SLE	Freq		6142				0			0		-0.0 0.0 26.6 748.3 240.4	
SLE	Q.P.		5736				0			0		-0.0 0.0 24.8 698.9 224.5	
CAM	SLU	2.40 11.40 0.00 25.29	9913.8	-14276	0	18612	0.00	0.11	-7094	20809	0.34 0.32	-21370 39411 0.54 0.19	
SLE	Rare		5902.2	-8499	0				-7094			-8499 33.2 87.9 -0.0 377.9 2171.8	
SLE	Freq		5001.8	-7203	0				-7094			-7203 28.2 87.9 -0.0 320.2 2043.6	
SLE	Q.P.		4701.6	-6770	0				-7094			-6770 26.5 87.9 -0.0 301.0 2000.9	
144	SLU	4.55 22.62 0.00 10.93	31845	35763	0.89	0.17	-763	9038	0.08	0.18	-11730	16741 0.70 0.12	
SLE	Rare		10146				0			0		-0.0 0.0 42.5 1122.5 394.6	
SLE	Freq		8924				0			0		-0.0 0.0 37.4 987.4 347.1	
SLE	Q.P.		8516				0			0		-0.0 0.0 35.7 942.3 331.3	
Controllo Fessurazione													

Controllo Fessurazione

Calcolo diretto ampiezza fessure

Combinazioni		In. I Fase mm	In. II Fase mm	In. Totali mm	Estradosso mm																	
Rare		0.11	0.10	0.22	0.00																	
Frequenti		0.11	0.09	0.20	0.00																	
Quasi Permanenti		0.11	0.08	0.20	0.00																	
Trave 104/9 Sez. 4 60x50/30 60x50 [cm] H'=30 [cm] L _{asse} 4.80 L _{netto} 4.30 L _{Fase} 4.10 [m] q _{medio I' fase} 3376.3 q _{medio II' fase} 9904.2 [kg/m] (VALORI CARATTERISTICI)																						
144	SLU	0.25	22.62	0.00	10.93	35327	35763	0.99	0.17	-763	9038	0.08	0.18	-12588	16741	0.75	0.12					
SLE	Rare					11376				0					0			-0.0	0.0	47.7	1258.7	442.5
SLE	Freq					10183				0				0				-0.0	0.0	42.7	1126.7	396.1

[illegible]

Calcolo diretto ampiezza fessure

Combinazioni			In. I Fase mm	In. II Fase mm	In. Totali mm	Estradosso mm
Rare			0.07	0.13	0.21	0.00
Frequenti			0.07	0.12	0.19	0.00
Quasi Permanenti			0.07	0.11	0.18	0.00
Trave 104 /10 Sez. 4 60x50/30 60x50 [cm] H'=30 [cm] L _{asse3} =3.50 L _{netto} =3.10 L _{Fase2} =2.90 [m] q _{medio I'} fase=3376.3 q _{medio II'} fase=8504.2 [kg/m] (VALORI CARATTERISTICI)						
145	SLU	0.25 22.62 0.00 11.92	27918 35752 0.78 0.17	-572 9764 0.06 0.19	-13392 18177 0.74 0.13	
SLE	Rare		7365	0	0	-0.0 0.0 30.6 815.0 280.4
SLE	Freq		6650	0	0	-0.0 0.0 27.6 735.8 253.1
SLE	Q.P.		6408	0	0	-0.0 0.0 26.6 709.1 243.9
CAM	SLU	1.80 11.40 0.00 17.69	4845 18631 0.26 0.11	-3545 15222 0.23 0.23	-19449 27942 0.70 0.16	
SLE	Rare		8504.2 -6511 0	-3549	-7906	34.6 48.6 -0.0 373.2 2028.5
SLE	Freq		7603.8 -5822 0	-3549	-7038	30.8 48.6 -0.0 332.3 1907.9
SLE	Q.P.		7303.6 -5592 0	-3549	-6751	29.6 48.6 -0.0 318.7 1867.9
188	SLU	3.35 12.57 0.00 11.40	785 20561 0.04 0.13	-535 9407 0.06 0.18	-6322 17500 0.36 0.13	
SLE	Rare		0	0	-1686	9.0 0.0 -0.0 86.6 372.0
SLE	Freq		0	0	-1504	8.1 0.0 -0.0 77.3 332.0
SLE	Q.P.		0	0	-1444	7.7 0.0 -0.0 74.2 318.7
Controllo Fessurazione						

Calcolo diretto ampiezza fessure

Combinazioni	In. I Fase mm	In. II Fase mm	In. Totali mm	Estradosso mm
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Rare	0.06	0.16	0.22	0.00
Frequenti	0.06	0.14	0.20	0.00
Quasi Permanenti	0.06	0.14	0.20	0.00

VERIFICHE A TAGLIO Trave 136 137 Sez. 4 60x50/30 60x50 [cm] H'=30 [cm] L_{asse} 4.30 L_{netta} 3.80 [m]

Da [m]	A [m]	Dx [m]	VSD ¹ [kg]	VRd1 ¹ [kg]	VRd2 ¹ [kg]	VRd3 ¹ [kg]	VSD ^{II} [kg]	VRd1 ^{II} [kg]	VRd2 ^{II} [kg]	VRd3 ^{II} [kg]	Staffe
0.25	0.72	0.47	6415.0	10199.9	85662.7	26489.6	32026.2	13350.6	113104.1	46788.1	ø 12 2br. 7.5'
0.72	1.46	0.74	4840.6	10111.7	109196.5	20860.3	27046.9	14308.7	144176.7	36845.1	Tr.ø 14 2br. 25.0'
1.46	2.84	1.38	2328.2	9971.0	109196.5	15325.9	20800.3	14721.9	144176.7	27069.9	Tr.ø 12 2br. 25.0'
2.84	3.58	0.74	4840.6	10111.7	109196.5	20860.3	28746.1	13886.0	144176.7	36845.1	Tr.ø 14 2br. 25.0'
3.58	4.05	0.47	6415.0	10199.9	85662.7	26489.6	34097.8	12904.4	113104.1	46788.1	ø 12 2br. 7.5'

VERIFICHE A TAGLIO Trave 137 138 Sez. 4 60x50/30 60x50 [cm] H'=30 [cm] L_{asse} 4.80 L_{netta} 4.30 [m]

Da [m]	A [m]	Dx [m]	VSD ¹ [kg]	VRd1 ¹ [kg]	VRd2 ¹ [kg]	VRd3 ¹ [kg]	VSD ^{II} [kg]	VRd1 ^{II} [kg]	VRd2 ^{II} [kg]	VRd3 ^{II} [kg]	Staffe
0.25	0.75	0.50	7259.1	10247.2	85662.7	19867.2	34602.8	12904.4	113104.1	35091.1	ø 12 2br. 10.0'
0.75	1.45	0.71	5582.6	10153.3	109196.5	15325.9	26205.4	14061.9	144176.7	27069.9	Tr.ø 12 2br. 25.0'
1.45	3.35	1.90	3202.0	10019.9	109196.5	10643.0	17591.1	15097.8	144176.7	18798.5	Tr.ø 10 2br. 25.0'
3.35	4.05	0.71	5582.6	10153.3	109196.5	15325.9	23679.5	14010.6	144176.7	27069.9	Tr.ø 12 2br. 25.0'
4.05	4.55	0.50	7259.1	10247.2	85662.7	19867.2	30258.8	12769.3	113104.1	35091.1	ø 12 2br. 10.0'

VERIFICHE A TAGLIO Trave 138 139 Sez. 4 60x50/30 60x50 [cm] H'=30 [cm] L_{asse} 4.80 L_{netta} 4.30 [m]

Da [m]	A [m]	Dx [m]	VSD ¹ [kg]	VRd1 ¹ [kg]	VRd2 ¹ [kg]	VRd3 ¹ [kg]	VSD ^{II} [kg]	VRd1 ^{II} [kg]	VRd2 ^{II} [kg]	VRd3 ^{II} [kg]	Staffe
0.25	0.76	0.51	7259.1	10247.2	85662.7	19867.2	28931.2	12769.3	113104.1	35091.1	ø 12 2br. 10.0'
0.76	1.48	0.72	5553.0	10151.6	109196.5	15325.9	22672.8	13426.5	144176.7	27069.9	Tr.ø 12 2br. 25.0'
1.48	3.32	1.84	3111.0	10014.8	109196.5	10643.0	16698.0	14698.3	144176.7	18798.5	Tr.ø 10 2br. 25.0'
3.32	4.04	0.72	5553.0	10151.6	109196.5	15325.9	22027.9	13426.5	144176.7	27069.9	Tr.ø 12 2br. 25.0'
4.04	4.55	0.51	7259.1	10247.2	85662.7	19867.2	28216.8	12769.3	113104.1	35091.1	ø 12 2br. 10.0'

VERIFICHE A TAGLIO Trave 139 140 Sez. 4 60x50/30 60x50 [cm] H'=30 [cm] L_{asse} 4.80 L_{netta} 4.30 [m]

Da [m]	A [m]	Dx [m]	VSd ¹ [kg]	VRd1 ¹ [kg]	VRd2 ¹ [kg]	VRd3 ¹ [kg]	VSd ^{II} [kg]	VRd1 ^{II} [kg]	VRd2 ^{II} [kg]	VRd3 ^{II} [kg]	Staffe
0.25	0.75	0.50	7259.1	10247.2	85662.7	19867.2	28495.2	12769.3	113104.1	35091.1	ø 12 2br. 10.0'
0.75	1.50	0.75	5582.6	10153.3	109196.5	15325.9	22374.5	13901.1	144176.7	27069.9	Tr.ø 12 2br. 25.0'
1.50	3.30	1.80	3034.4	10010.5	109196.5	10643.0	16286.2	14721.9	144176.7	18798.5	Tr.ø 10 2br. 25.0'
3.30	4.05	0.75	5582.6	10153.3	109196.5	15325.9	22499.1	13901.1	144176.7	27069.9	Tr.ø 12 2br. 25.0'
4.05	4.55	0.50	7259.1	10247.2	85662.7	19867.2	28653.0	12769.3	113104.1	35091.1	ø 12 2br. 10.0'

VERIFICHE A TAGLIO Trave 140 141 Sez. 4 60x50/30 60x50 [cm] H'=30 [cm] L_{asse} 4.80 L_{netta} 4.30 [m]

Da [m]	A [m]	Dx [m]	VSd ¹ [kg]	VRd1 ¹ [kg]	VRd2 ¹ [kg]	VRd3 ¹ [kg]	VSd ^{II} [kg]	VRd1 ^{II} [kg]	VRd2 ^{II} [kg]	VRd3 ^{II} [kg]	Staffe
0.25	0.75	0.50	7259.1	10247.2	85662.7	19867.2	28748.2	12769.3	113104.1	35091.1	ø 12 2br. 10.0'
0.75	1.51	0.76	5582.6	10153.3	109196.5	15325.9	22560.8	13901.1	144176.7	27069.9	Tr.ø 12 2br. 25.0'
1.51	3.29	1.78	3000.9	10008.7	109196.5	10643.0	16255.4	14721.9	144176.7	18798.5	Tr.ø 10 2br. 25.0'
3.29	4.05	0.76	5582.6	10153.3	109196.5	15325.9	22284.8	13901.1	144176.7	27069.9	Tr.ø 12 2br. 25.0'
4.05	4.55	0.50	7259.1	10247.2	85662.7	19867.2	28399.9	12769.3	113104.1	35091.1	ø 12 2br. 10.0'

VERIFICHE A TAGLIO Trave 141 142 Sez. 4 60x50/30 60x50 [cm] H'=30 [cm] L_{asse} 4.80 L_{netta} 4.30 [m]

Da [m]	A [m]	Dx [m]	VSd ¹ [kg]	VRd1 ¹ [kg]	VRd2 ¹ [kg]	VRd3 ¹ [kg]	VSd ^{II} [kg]	VRd1 ^{II} [kg]	VRd2 ^{II} [kg]	VRd3 ^{II} [kg]	Staffe
0.25	0.76	0.51	7259.1	10247.2	85662.7	19867.2	28499.2	12769.3	113104.1	35091.1	ø 12 2br. 10.0'
0.76	1.56	0.80	5553.0	10151.6	109196.5	15325.9	22276.1	13426.5	144176.7	27069.9	Tr.ø 12 2br. 25.0'
1.56	3.24	1.68	2843.4	9999.8	109196.5	10643.0	15806.1	14721.9	144176.7	18798.5	Tr.ø 10 2br. 25.0'
3.24	4.04	0.80	5553.0	10151.6	109196.5	15325.9	22390.4	13426.5	144176.7	27069.9	Tr.ø 12 2br. 25.0'
4.04	4.55	0.51	7259.1	10247.2	85662.7	19867.2	28648.9	12769.3	113104.1	35091.1	ø 12 2br. 10.0'

VERIFICHE A TAGLIO Trave 142 143 Sez. 4 60x50/30 60x50 [cm] H'=30 [cm] L_{asse} 4.80 L_{netta} 4.30 [m]

Da [m]	A [m]	Dx [m]	VSd ¹ [kg]	VRd1 ¹ [kg]	VRd2 ¹ [kg]	VRd3 ¹ [kg]	VSd ^{II} [kg]	VRd1 ^{II} [kg]	VRd2 ^{II} [kg]	VRd3 ^{II} [kg]	Staffe
0.25	0.75	0.50	7259.1	10247.2	85662.7	19867.2	28875.6	12769.3	113104.1	35091.1	ø 12 2br. 10.0'
0.75	1.53	0.78	5582.6	10153.3	109196.5	15325.9	22654.6	13901.1	144176.7	27069.9	Tr.ø 12 2br. 25.0'
1.53	3.27	1.74	2933.8	10004.9	109196.5	10643.0	16176.4	14721.9	144176.7	18798.5	Tr.ø 10 2br. 25.0'
3.27	4.05	0.78	5582.6	10153.3	109196.5	15325.9	22184.2	13901.1	144176.7	27069.9	Tr.ø 12 2br. 25.0'

4.05	4.55	0.50	7259.1	10247.2	85662.7	19867.2	28272.6	12769.3	113104.1	35091.1	ø 12 2br. 10.0'
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VERIFICHE A TAGLIO Trave 143 144 Sez. 4 60x50/30 60x50 [cm] H'=30 [cm] L_{asse} 4.80 L_{netta} 4.30 [m]

Da [m]	A [m]	Dx [m]	VSd ¹ [kg]	VRd1 ¹ [kg]	VRd2 ¹ [kg]	VRd3 ¹ [kg]	VSd ^{II} [kg]	VRd1 ^{II} [kg]	VRd2 ^{II} [kg]	VRd3 ^{II} [kg]	Staffe
0.25	0.79	0.54	7259.1	10247.2	85662.7	19867.2	27636.2	12769.3	113104.1	35091.1	ø 12 2br. 10.0'
0.79	1.51	0.72	5452.7	10146.0	109196.5	15325.9	21368.9	13467.0	144176.7	27069.9	Tr.ø 12 2br. 25.0'
1.51	3.29	1.78	3010.7	10009.2	109196.5	10643.0	16809.3	14721.9	144176.7	18798.5	Tr.ø 10 2br. 25.0'
3.29	4.01	0.72	5452.7	10146.0	109196.5	15325.9	22705.4	13467.0	144176.7	27069.9	Tr.ø 12 2br. 25.0'
4.01	4.55	0.54	7259.1	10247.2	85662.7	19867.2	29512.5	12769.3	113104.1	35091.1	ø 12 2br. 10.0'

VERIFICHE A TAGLIO Trave 144 145 Sez. 4 60x50/30 60x50 [cm] H'=30 [cm] L_{asse} 4.80 L_{netta} 4.30 [m]

Da [m]	A [m]	Dx [m]	VSd ¹ [kg]	VRd1 ¹ [kg]	VRd2 ¹ [kg]	VRd3 ¹ [kg]	VSd ^{II} [kg]	VRd1 ^{II} [kg]	VRd2 ^{II} [kg]	VRd3 ^{II} [kg]	Staffe
0.25	0.77	0.52	7259.1	10247.2	85662.7	26489.6	41120.6	12769.3	113104.1	46788.1	ø 12 2br. 7.5'
0.77	1.51	0.74	5515.6	10149.5	109196.5	20860.3	31364.4	13898.5	144176.7	36845.1	Tr.ø 14 2br. 25.0'
1.51	3.29	1.78	3000.9	10008.7	109196.5	15325.9	19870.9	16106.7	144176.7	27069.9	Tr.ø 12 2br. 25.0'
3.29	4.03	0.74	5515.6	10149.5	109196.5	20860.3	30366.9	13946.4	144176.7	36845.1	Tr.ø 14 2br. 25.0'
4.03	4.55	0.52	7259.1	10247.2	85662.7	26489.6	40123.2	12904.4	113104.1	46788.1	ø 12 2br. 7.5'

VERIFICHE A TAGLIO Trave 145 188 Sez. 4 60x50/30 60x50 [cm] H'=30 [cm] L_{asse} 3.50 L_{netta} 3.10 [m]

Da [m]	A [m]	Dx [m]	VSd ¹ [kg]	VRd1 ¹ [kg]	VRd2 ¹ [kg]	VRd3 ¹ [kg]	VSd ^{II} [kg]	VRd1 ^{II} [kg]	VRd2 ^{II} [kg]	VRd3 ^{II} [kg]	Staffe
0.25	0.77	0.52	5064.5	10124.3	85662.7	19867.2	30726.0	12892.1	113104.1	35091.1	ø 12 2br. 10.0'
0.77	1.28	0.52	3325.6	10026.8	109196.5	15325.9	22005.3	13010.5	144176.7	27069.9	Tr.ø 12 2br. 25.0'
1.28	2.32	1.04	1924.4	9948.3	109196.5	10643.0	13464.5	13566.8	144176.7	18798.5	Tr.ø 10 2br. 25.0'
2.32	2.83	0.52	3663.2	10045.8	109196.5	15325.9	14122.9	13371.1	144176.7	27069.9	Tr.ø 12 2br. 25.0'
2.83	3.35	0.52	5402.1	10143.2	85662.7	19867.2	21769.8	12833.8	113104.1	35091.1	ø 12 2br. 10.0'

Nodo	x [m]	Afe [cm²]	Afe1 [cm²]	Afi [cm²]	q ^{II} [kg/m]	Md _{par} [kgm]	Mde [kgm]	Mre [kgm]	Mde [kgm]	Mdi ^I [kgm]	Mri ^I [kgm]	Mdi ^I [kgm]	x ^I /d ^I	Mdi ^{II} [kgm]	Mri ^{II} [kgm]	Mdi ^{II} x ^{II} /d ^{II}	σ _{BE} ^{PR} [kg/cm²]	σ _{BI} [kg/cm²]	σ _{FE} [kg/cm²]	σ _n [kg/cm²]
Trave 105 /1 Sez. 12 50x50/30 50x50 [cm] H'=30 [cm] L _{asse} =8.77 L _{netta} =8.17 L _{trave} =7.97 [m] q _{medio I'} =625.0 q _{medio II'} =3360.0 [kg/m] (VALORI CARATTERISTIC)																				
117	SLU	0.30	19.01	0.00	14.57	24031	30074	0.80	0.17	-383	11618	0.03	0.24	-383	22074	0.02	0.15			
SLE	Rare					13572				0				0			0.0	63.6	1779.2	577.8
SLE	Freq					11833				0				0			0.0	55.5	1551.2	503.8
SLE	Q.P.					11253				0				0			0.0	52.8	1475.2	479.1
CAM	SLU	4.39	15.21	0.00	33.24	5098.0	-24506	0	24277	0.00	0.13	-4963	24453	0.20	0.52	-29754	50577	0.59	0.24	
SLE	Rare					3360.0	-16152	0		-4963				-16329			63.0	67.6	-0.0	734.9
SLE	Freq					2928.0	-14075	0		-4963				-14225			54.9	67.6	-0.0	640.2
SLE	Q.P.					2784.0	-13383	0		-4963				-13523			52.2	67.6	-0.0	608.6
129	SLU	8.47	19.01	0.00	14.39	23907	30075	0.79	0.17	-383	11488	0.03	0.24	-383	21805	0.02	0.15			
SLE	Rare					13489				0				0			-0.0	63.4	1768.4	576.0
SLE	Freq					11760				0				0			-0.0	55.3	1541.7	502.1
SLE	Q.P.					11183				0				0			-0.0	52.6	1466.1	477.5
Controllo Fessurazione																				

Calcolo diretto ampiezza fessure

Combinazioni		In. I Fase mm	In. II Fase mm	In. Totali mm	Estradosso mm
Rare		0.05	0.18	0.24	0.00
Frequenti		0.05	0.15	0.21	0.00
Quasi Permanenti		0.05	0.14	0.20	0.00

VERIFICHE A TAGLIO Trave 117 129 Sez. 12 50x50/30 50x50 [cm] H'=30 [cm] L_{asse} 8.77 L_{netta} 8.17 [m]

Da [m]	A [m]	Dx [m]	VScd ^I [kg]	VRd1 ^I [kg]	VRd2 ^I [kg]	VRd3 ^I [kg]	VScd ^{II} [kg]	VRd1 ^{II} [kg]	VRd2 ^{II} [kg]	VRd3 ^{II} [kg]	Staffe
0.30	0.78	0.48	2553.1	8343.5	71385.6	26489.6	23393.2	11384.2	94253.4	46788.1	ø 12 2br. 7.5'
0.78	1.99	1.22	2254.2	8326.7	90997.0	20860.3	20656.2	12466.5	120147.2	36845.1	Tr.ø 14 2br. 25.0'
1.99	6.78	4.78	1494.5	8284.2	90997.0	15325.9	13699.7	13922.1	120147.2	27069.9	Tr.ø 12 2br. 25.0'
6.78	7.99	1.22	2254.2	8326.7	90997.0	20860.3	20626.9	12441.7	120147.2	36845.1	Tr.ø 14 2br. 25.0'
7.99	8.47	0.48	2553.1	8343.5	71385.6	26489.6	23363.9	11359.4	94253.4	46788.1	ø 12 2br. 7.5'

Nodo	x [m]	Afe [cm²]	Afe ₁ [cm²]	Afi [cm²]	q ^u [kg/m]	Md _{pie} [kgm]	Mde [kgm]	Mre [kgm]	Mde [kgm]	x/d	Mdi ⁱ [kgm]	Mri ⁱ [kgm]	Mdi ^u [kgm]	Mri ^u [kgm]	Mdi ^u x ^{1/2} d ^u	σ _{DE} [kg/cm²]	σ _{DE} ^{PR} [kg/cm²]	σ _{bl} [kg/cm²]	σ _{FE} [kg/cm²]	σ _{FI} [kg/cm²]
Trave 106 /1 Sez. 2 70x50/30 70x50 [cm] H'=30 [cm] / L _{netto} =10.01 L _{base} =9.56 L _{base} =9.35 [m] q _{medio I'} fase=875.0 q _{medio II'} fase=2816.6 [kg/m] (VALORI CARATTERISTICI)																				
101	SLU	0.20	22.81	0.00	14.57	24658	36404	0.68	0.16	-854	11951	0.07	0.19	-854	22266	0.04	0.13			
SLE	Rare					14958				0						0.0	-0.0	55.4	1626.2	491.7
SLE	Freq					14932				0						0.0	-0.0	55.3	1623.4	490.8
SLE	Q.P.					14924				0						0.0	-0.0	55.2	1622.5	490.5
CAM	SLU	4.98	26.55	0.00	54.29	4293.2	-26860	0	41891	0.00	0.14	-9570	38179	0.25	0.60	-37459	82064	0.46	0.25	
SLE	Rare					2816.6	-17621	0	-9572				-18455			46.6	90.1	-0.0	543.1	1750.1
SLE	Freq					2816.6	-17621	0	-9572				-18455			46.6	90.1	-0.0	543.0	1750.0
SLE	Q.P.					2816.6	-17621	0	-9572				-18454			46.6	90.1	-0.0	543.0	1750.0
112	SLU	9.76	26.61	0.00	18.22	34438	42117	0.82	0.17	-822	14682	0.06	0.23	-822	27667	0.03	0.14			
SLE	Rare					20939				0						0.0	-0.0	71.4	1961.8	652.7
SLE	Freq					20949				0						0.0	-0.0	71.4	1962.8	653.0
SLE	Q.P.					20949				0						0.0	-0.0	71.4	1962.7	653.0

Controllo Fessurazione

Calcolo diretto ampiezza fessure

Combinazioni		In. I Fase mm		In. II Fase mm		In. Totali mm		Estradosso mm												
Rare		0.07		0.11		0.18		0.00												
Frequenti		0.07		0.11		0.18		0.00												
Quasi Permanenti		0.07		0.11		0.18		0.00												
Trave 106 /2 Sez. 2 70x50/30 70x50 [cm] H'=30 [cm] L _{ass} =8.77 L _{netto} =8.27 L _{Fase} =8.07 [m] q _{medio I' fase} =875.0 q _{medio II' fase} =1400.0 [kg/m] (VALORI CARATTERISTICI)																				
112	SLU	0.25	26.61	0.00	18.22	17202	42328	0.41	0.17	-550	14817	0.04	0.22	-550	27853	0.02	0.14			
SLE	Rare					9818				0					0	-0.0	0.0	33.1	914.4	308.9
SLE	Freq					9806				0					0	-0.0	0.0	33.0	913.2	308.5
SLE	Q.P.					9801				0					0	-0.0	0.0	33.0	912.9	308.4
CAM	SLU	4.39	13.57	0.00	25.13	2310.0	-11104	0	22094	0.00	0.11	-7123	21226	0.34	0.27	-18227	39459	0.46	0.18	
SLE	Rare					1400.0	-6730	0	-7123				-6730			23.6	78.7	-0.0	260.4	1981.1
SLE	Freq					1400.0	-6730	0	-7123				-6730			23.6	78.7	-0.0	260.4	1981.1
SLE	Q.P.					1400.0	-6730	0	-7123				-6730			23.6	78.7	-0.0	260.4	1981.1
124	SLU	8.52	26.61	0.00	18.22	16839	42328	0.40	0.17	-550	14817	0.04	0.22	-550	27853	0.02	0.14			
SLE	Rare					9574				0					0	-0.0	0.0	32.3	891.6	301.2

SLE	Freq	9580	0	0	-0.0	0.0	32.3	892.2	301.4
SLE	Q.P.	9579	0	0	-0.0	0.0	32.3	892.1	301.4

Controllo Fessurazione

Calcolo diretto ampiezza fessure

Combinazioni		In. I Fase mm	In. II Fase mm	In. Totali mm	Estradosso mm				
Rare		0.11	0.08	0.20	0.00				
Frequenti		0.11	0.08	0.20	0.00				
Quasi Permanenti		0.11	0.08	0.20	0.00				

Trave 106/3 Sez. 2 70x50/30 70x50 [cm] H'=30 [cm] L_{asse}10.00 L_{netta}9.55 L_{fas}9.35 [m] q_{medio I'} fas=875.0 q_{medio II'} fas=2816.6 [kg/m] (VALORI CARATTERISTICI)

124	SLU	0.25	26.61	0.00	18.22	34741	42117	0.82	0.17	-822	14682	0.06	0.23	-822	27667	0.03	0.14	-0.0	0.0	72.1	1981.3	659.2
SLE	Rare					21147				0				0				-0.0	0.0	72.1	1981.3	659.2
SLE	Freq					21148				0				0				-0.0	0.0	72.1	1981.4	659.2
SLE	Q.P.					21148				0				0				-0.0	0.0	72.1	1981.4	659.2
CAM	SLU	5.03	26.55	0.00	54.29	4293.2	-26860	0	41891	0.00	0.14	-9570	38179	0.25	0.60	-37463	82064	0.46	0.25			
SLE	Rare					2816.6	-17621	0			-9572				-18458			46.7	90.1	-0.0	543.1	1750.2
SLE	Freq					2816.6	-17621	0			-9572				-18457			46.7	90.1	-0.0	543.1	1750.2
SLE	Q.P.					2816.6	-17621	0			-9572				-18457			46.7	90.1	-0.0	543.1	1750.2
136	SLU	9.80	22.81	0.00	14.80	24305	36402	0.67	0.16	-854	12125	0.07	0.19	-854	22605	0.04	0.13	-0.0	0.0	54.4	1600.1	482.4
SLE	Rare					14719				0				0				-0.0	0.0	54.4	1600.1	482.4
SLE	Freq					14719				0				0				-0.0	0.0	54.4	1600.1	482.5
SLE	Q.P.					14718				0				0				-0.0	0.0	54.4	1600.0	482.4

Controllo Fessurazione

Calcolo diretto ampiezza fessure

Combinazioni		In. I Fase mm	In. II Fase mm	In. Totali mm	Estradosso mm				
Rare		0.07	0.11	0.18	0.00				
Frequenti		0.07	0.11	0.18	0.00				
Quasi Permanenti		0.07	0.11	0.18	0.00				

VERIFICHE A TAGLIO Trave 101 112 Sez. 2 70x50/30 70x50 [cm] H'=30 [cm] L_{asse} 10.01 L_{netta} 9.56 [m]

Da [m]	A [m]	Dx [m]	VSd ¹ [kg]	VRd1 ¹ [kg]	VRd2 ¹ [kg]	VRd3 ¹ [kg]	VSd ^{II} [kg]	VRd1 ^{II} [kg]	VRd2 ^{II} [kg]	VRd3 ^{II} [kg]	Staffe
0.20	0.95	0.75	4202.2	11716.0	99939.9	26489.6	25810.6	15145.2	131954.8	46788.1	ø 12 2br. 7.5'
0.95	2.33	1.38	3548.3	11679.4	127395.9	20860.3	20710.5	18963.0	168206.1	36845.1	Tr.ø 14 2br. 25.0'
2.33	7.62	5.29	2336.5	11611.5	127395.9	15325.9	16236.5	20545.2	168206.1	27069.9	Tr.ø 12 2br. 25.0'
7.62	9.01	1.38	3504.6	11677.0	127395.9	20860.3	21364.9	19205.8	168206.1	36845.1	Tr.ø 14 2br. 25.0'
9.01	9.76	0.75	4158.4	11713.6	99939.9	26489.6	23745.0	15640.6	131954.8	46788.1	ø 12 2br. 7.5'

VERIFICHE A TAGLIO Trave 112 124 Sez. 2 70x50/30 70x50 [cm] H'=30 [cm] L_{asse} 8.77 L_{netta} 8.27 [m]

Da [m]	A [m]	Dx [m]	VSd ¹ [kg]	VRd1 ¹ [kg]	VRd2 ¹ [kg]	VRd3 ¹ [kg]	VSd ^{II} [kg]	VRd1 ^{II} [kg]	VRd2 ^{II} [kg]	VRd3 ^{II} [kg]	Staffe
0.25	0.76	0.51	3618.1	11683.3	99939.9	13796.6	13215.3	15640.6	131954.8	24368.8	ø 10 2br. 10.0'
0.76	8.01	7.25	3174.0	11658.4	127395.9	10643.0	11598.8	15789.6	168206.1	18798.5	Tr.ø 10 2br. 25.0'
8.01	8.52	0.51	3618.1	11683.3	99939.9	13796.6	13130.2	15640.6	131954.8	24368.8	ø 10 2br. 10.0'

VERIFICHE A TAGLIO Trave 124 136 Sez. 2 70x50/30 70x50 [cm] H'=30 [cm] L_{asse} 10.00 L_{netta} 9.55 [m]

Da [m]	A [m]	Dx [m]	VSd ¹ [kg]	VRd1 ¹ [kg]	VRd2 ¹ [kg]	VRd3 ¹ [kg]	VSd ^{II} [kg]	VRd1 ^{II} [kg]	VRd2 ^{II} [kg]	VRd3 ^{II} [kg]	Staffe
0.25	1.02	0.77	4158.4	11713.6	99939.9	26489.6	23808.0	15640.6	131954.8	46788.1	ø 12 2br. 7.5'
1.02	2.46	1.44	3487.1	11676.0	127395.9	20860.3	21364.5	18175.9	168206.1	36845.1	Tr.ø 14 2br. 25.0'
2.46	7.59	5.13	2266.8	11607.6	127395.9	15325.9	15945.2	20545.2	168206.1	27069.9	Tr.ø 12 2br. 25.0'
7.59	9.04	1.44	3530.9	11678.4	127395.9	20860.3	20503.1	17832.4	168206.1	36845.1	Tr.ø 14 2br. 25.0'
9.04	9.80	0.77	4202.2	11716.0	99939.9	26489.6	25739.1	15176.2	131954.8	46788.1	ø 12 2br. 7.5'

N.B. Nella travata che segue sono incluse le verifiche delle travate:

- 236 237 238 239 240 241 242 243 244 245 246

Nodo	x [m]	Afe [cm²]	Afe ₁ [cm²]	Afi [cm²]	q ^{II} [kg/m]	Md _{par} [kgm]	Mde [kgm]	Mre [kgm]	Mde Mre	x/d	Mdi [kgm]	Mri [kgm]	Mdi Mri	σ _{de} [kg/cm²]	σ _{di} [kg/cm²]	σ _{re} [kg/cm²]	σ _n [kg/cm²]
Trave 201 /1 Sez. 9 65x45 65x45 [cm] bordo L _{asse} 4.30 L _{netto} 3.80 q _{medio} 7942.3 [kg/m] (VALORE CARATTERISTICO)																	
201	SLU	0.25	27.14	0.00	14.53		36656	36734	1.00	0.23	-19075	19509	0.98	0.14			
SLE	Rare					7721				0				-0.0	34.1	809.0	310.2
SLE	Freq					6792				0				-0.0	30.0	711.7	272.9
SLE	Q.P.					6491				0				-0.0	28.7	680.2	260.8
CAM	SLU	2.15	11.40	0.00	18.85	11419.3	-13196	0	16240	0.00	0.14	-13196	26178	0.50	0.18		
SLE	Rare					7942.3	-9178	0			-9178			46.0	-0.0	470.7	1359.1
SLE	Freq					7041.8	-8138	0			-8138			40.7	-0.0	417.3	1205.0
SLE	Q.P.					6741.6	-7791	0			-7791			39.0	-0.0	399.5	1153.7
202	SLU	4.05	29.50	0.00	12.64		33211	39628	0.84	0.24	-15325	17032	0.90	0.14			
SLE	Rare					7691				0				-0.0	33.8	747.8	315.4
SLE	Freq					6910				0				-0.0	30.4	671.8	283.4
SLE	Q.P.					6641				0				-0.0	29.2	645.6	272.3
Controllo Fessurazione																	

Verifiche senza calcolo diretto ampiezza fessure

Trave 201 /2 Sez. 9 65x45 65x45 [cm] bordo L_{asse}4.80 L_{netto}4.30 q_{medio}8214.1 [kg/m] (VALORE CARATTERISTICO)

202	SLU	0.25	29.50	0.00	12.64		34037	39628	0.86	0.24	-12828	17032	0.75	0.14			
SLE	Rare						10260				0			-0.0	45.1	997.6	420.8
SLE	Freq						9081				0			-0.0	39.9	882.8	372.4
SLE	Q.P.						8687				0			-0.0	38.2	844.6	356.3
CAM	SLU	2.40	11.40	0.00	17.06	11799.9	-16992	0	16247	0.00	0.14	-16992	23809	0.71	0.17		
SLE	Rare					8214.1	-11828	0				-11828		61.1	-0.0	613.7	1929.1

SLE	Freq					7313.7	-10532	0	-10532		54.4	-0.0	546.5	1717.7
SLE	Q.P.					7013.5	-10099	0	-10099		52.2	-0.0	524.0	1647.2
203	SLU	4.55	29.50	0.00	10.11			35791	39568	0.90	0.25	0.88	0.13	
SLE	Rare							11518				-0.0	51.9	1121.3
SLE	Freq							10314				-0.0	46.5	1004.0
SLE	Q.P.							9912				-0.0	44.7	964.9
														420.3

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 201 /3 Sez. 9 65x45 65x45 [cm] bordo L_{asse} 4.80 L_{netto} 4.30 q_{medio} 8842.3 [kg/m] (VALORE CARATTERISTICO)

203	SLU	0.25	29.50	0.00	10.11			36459	39568	0.92	0.25		13738	0.83	0.13
SLE	Rare							12267				-0.0	55.3	1194.2	520.2
SLE	Freq							11028				-0.0	49.7	1073.5	467.6
SLE	Q.P.							10615				-0.0	47.8	1033.3	450.1
CAM	SLU	2.40	11.40	0.00	17.06	12679.3	-18258	0	16338	0.00	0.13		23972	0.76	0.16
SLE	Rare					8842.3	-12733	0				65.0	-0.0	667.8	2062.9
SLE	Freq					7941.8	-11436	0				58.4	-0.0	599.8	1852.8
SLE	Q.P.					7641.7	-11004	0				56.1	-0.0	577.1	1782.8

204	SLU	4.55	29.50	0.00	10.11			35911	39568	0.91	0.25		13738	0.87	0.13
SLE	Rare							11675				-0.0	52.6	1136.5	495.0
SLE	Freq							10459				-0.0	47.1	1018.1	443.5
SLE	Q.P.							10053				-0.0	45.3	978.6	426.3

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 201 /4 Sez. 9 65x45 65x45 [cm] bordo L_{asse} 4.80 L_{netto} 4.30 q_{medio} 8842.2 [kg/m] (VALORE CARATTERISTICO)

204	SLU	0.25	29.50	0.00	10.11			36310	39568	0.92	0.25		13738	0.84	0.13
SLE	Rare							12097				-0.0	54.5	1177.6	512.9
SLE	Freq							10850				-0.0	48.9	1056.2	460.1
SLE	Q.P.							10435				-0.0	47.0	1015.7	442.4
CAM	SLU	2.40	11.40	0.00	17.06	12679.3	-18258	0	16338	0.00	0.13		23972	0.76	0.16

SLE	Rare			8842.2	-12733	0		-12733		65.0	-0.0	667.8	2062.9
SLE	Freq			7941.8	-11436	0		-11436		58.4	-0.0	599.8	1852.8
SLE	Q.P.			7641.6	-11004	0		-11004		56.1	-0.0	577.1	1782.8
205	SLU	4.55	29.50	0.00	10.11								
SLE	Rare					36305	39568	0.92	0.25	13738	0.84	0.13	
						12068			0	-0.0	54.4	1174.7	511.7
SLE	Freq					10857			0	-0.0	48.9	1056.8	460.3
SLE	Q.P.					10452			0	-0.0	47.1	1017.5	443.2

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 201 /5 Sez. 9 65x45 65x45 [cm] bordo L_{asse}4.80 L_{netto}4.30 q_{medio}8842.2 [kg/m] (VALORE CARATTERISTICO)

205	SLU	0.25	29.50	0.00	10.11								
SLE	Rare					36733	39568	0.93	0.25	13738	0.81	0.13	
						12510			0	-0.0	56.4	1217.7	530.4
SLE	Freq					11264			0	-0.0	50.8	1096.5	477.6
SLE	Q.P.					10849			0	-0.0	48.9	1056.1	460.0
CAM	SLU	2.40	11.40	0.00	17.06								
						0	16338	0.00	0.13	23972	0.76	0.16	
SLE	Rare								-18258	65.0	-0.0	667.8	2062.9
						0			-12733				
SLE	Freq								-11436	58.4	-0.0	599.8	1852.8
						0			-11004				
SLE	Q.P.								-11004	56.1	-0.0	577.1	1782.8
206	SLU	4.55	29.50	0.00	10.11								
						35828	39568	0.91	0.25	13738	0.87	0.13	
SLE	Rare					11625			0	-0.0	52.4	1131.6	492.9
SLE	Freq					10413			0	-0.0	46.9	1013.7	441.5
SLE	Q.P.					10009			0	-0.0	45.1	974.3	424.4

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 201 /6 Sez. 9 65x45 65x45 [cm] bordo L_{asse}4.80 L_{netto}4.30 q_{medio}8842.2 [kg/m] (VALORE CARATTERISTICO)

206	SLU	0.25	29.50	0.00	10.11								
						36238	39568	0.92	0.25	13738	0.84	0.13	
SLE	Rare					12057			0	-0.0	54.3	1173.7	511.3
SLE	Freq					10812			0	-0.0	48.7	1052.5	458.5
SLE	Q.P.					10398			0	-0.0	46.9	1012.2	440.9

CAM	SLU	2.40	11.40	0.00	17.06	12679.3	-18258	0	16338	0.00	0.13	-18258	23972	0.76	0.16				
SLE	Rare					8842.2	-12733	0				-12733				65.0	-0.0	667.8	2062.9
SLE	Freq					7941.8	-11436	0				-11436				58.4	-0.0	599.8	1852.8
SLE	Q.P.					7641.6	-11004	0				-11004				56.1	-0.0	577.1	1782.8
207	SLU	4.55	29.50	0.00	10.11			36302	39568	0.92	0.25	-11509	13738	0.84	0.13				
SLE	Rare							12076				0				-0.0	54.4	1175.6	512.1
SLE	Freq							10863				0				-0.0	48.9	1057.5	460.6
SLE	Q.P.							10459				0				-0.0	47.1	1018.1	443.5
Controllo Fessurazione																			

Verifiche senza calcolo diretto ampiezza fessure

Trave 201 / 7 Sez. 9 65x45 65x45 [cm] bordo L_{asse} 4.80 L_{netto} 4.30 q_{medio} 8842.2 [kg/m] (VALORE CARATTERISTICO)

207	SLU	0.25	29.50	0.00	10.11			36716	39568	0.93	0.25	-11151	13738	0.81	0.13				
SLE	Rare							12514				0				-0.0	56.4	1218.1	530.6
SLE	Freq							11265				0				-0.0	50.8	1096.6	477.7
SLE	Q.P.							10850				0				-0.0	48.9	1056.2	460.1
CAM	SLU	2.40	11.40	0.00	17.06	12679.3	-18258	0	16338	0.00	0.13	-18258	23972	0.76	0.16				
SLE	Rare					8842.3	-12733	0				-12733				65.0	-0.0	667.8	2062.9
SLE	Freq					7941.8	-11436	0				-11436				58.4	-0.0	599.8	1852.8
SLE	Q.P.					7641.6	-11004	0				-11004				56.1	-0.0	577.1	1782.8
208	SLU	4.55	29.50	0.00	10.11			35887	39568	0.91	0.25	-11838	13738	0.86	0.13				
SLE	Rare							11707				0				-0.0	52.8	1139.6	496.4
SLE	Freq							10498				0				-0.0	47.3	1021.9	445.1
SLE	Q.P.							10094				0				-0.0	45.5	982.6	428.0
Controllo Fessurazione																			

Verifiche senza calcolo diretto ampiezza fessure

Trave 201 / 8 Sez. 9 65x45 65x45 [cm] bordo L_{asse} 4.80 L_{netto} 4.30 q_{medio} 8842.3 [kg/m] (VALORE CARATTERISTICO)

208	SLU	0.25	29.50	0.00	10.11			36577	39568	0.92	0.25	-11448	13738	0.83	0.13				
SLE	Rare							12288				0				-0.0	55.4	1196.2	521.0
SLE	Freq							11045				0				-0.0	49.8	1075.2	468.3

SLE	Q.P.	2.40	11.40	0.00	17.06	12679.3	-18258	10632	16338	0.00	0.13	-18258	0	-0.0	47.9	1034.9	450.8
CAM	SLU	2.40	11.40	0.00	17.06	12679.3	-18258	0	16338	0.00	0.13	-18258	23972	0.76	0.16		
SLE	Rare					8842.3	-12733	0				-12733		65.0	-0.0	667.8	2062.9
SLE	Freq					7941.8	-11436	0				-11436		58.4	-0.0	599.8	1852.8
SLE	Q.P.					7641.7	-11004	0				-11004		56.1	-0.0	577.1	1782.8
209	SLU	4.55	29.50	0.00	11.12			35603	39559	0.90	0.25	-11995	15016	0.80	0.13		
SLE	Rare							11454				0		-0.0	51.2	1115.0	475.5
SLE	Freq							10255				0		-0.0	45.8	998.3	425.7
SLE	Q.P.							9854				0		-0.0	44.0	959.2	409.0

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 201/9 Sez 9 65x45 65x45 [cm] bordo L_{asse} 4.80 L_{netto} 4.30 q_{medio} 8842.2 [kg/m] (VALORE CARATTERISTICO)

209	SLU	0.25	29.50	0.00	11.12	36513	39559	0.92	0.25	-13789	15016	0.92	0.13						
SLE	Rare					11028				0				-0.0	49.3	1073.5		457.7	
SLE	Freq					9910				0				-0.0	44.3	964.7		411.4	
SLE	Q.P.					9533				0				-0.0	42.6	928.0		395.7	
CAM	SLU	2.40	11.40	0.00	17.06	12679.3	-18258	0	16338	0.00	0.13	-18258	23972	0.76	0.16				
SLE	Rare					8842.2	-12733	0				-12733		65.0	-0.0	667.8		2062.9	
SLE	Freq					7941.8	-11436	0				-11436		58.4	-0.0	599.8		1852.8	
SLE	Q.P.					7641.6	-11004	0				-11004		56.1	-0.0	577.1		1782.8	
210	SLU	4.55	29.50	0.00	13.90	37770	39611	0.95	0.24	-13121	18624	0.70	0.14						
SLE	Rare					11703				0				-0.0	50.9	1137.9		468.6	
SLE	Freq					10559				0				-0.0	45.9	1026.6		422.8	
SLE	Q.P.					10183				0				-0.0	44.3	990.1		407.7	

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 201 /10 Sez. 9 65x45 65x45 [cm] bordo L_{ast}3.60 L_{netta}3.15 q_{medio}6691.9 [kg/m] (VALORE CARATTERISTICO)

	SLU	0.25	0.00	13.90	25734	39611	0.65	0.24	-14859	18624	0.80	0.14
210	SLU	0.25	0.00	13.90	25734	39611	0.65	0.24	-14859	18624	0.80	0.14
SLE	Rare				4337				0			
									-0.0	18.9	421.7	173.7

SLE	Freq						3959			0				-0.0	17.2	384.9	158.5
SLE	Q.P.						3829			0				-0.0	16.7	372.3	153.3
CAM	SLU	1.82	15.93	0.00	16.37	9543.7	-7730	867	22450	0.04	0.16	-9815	22953	0.43	0.16		
SLE	Rare					6691.9	-5420	0				-5620			27.7	-0.0	271.5
SLE	Freq					6166.6	-4995	0				-5214			25.7	-0.0	251.9
SLE	Q.P.					5991.5	-4853	0				-5079			25.1	-0.0	245.4
211	SLU	3.40	22.62	0.00	17.38			29447	30925	0.95	0.20	-21563	23147	0.93	0.16		
SLE	Rare							2966				0			-0.0	13.6	370.0
SLE	Freq							2686				0			-0.0	12.3	335.1
SLE	Q.P.							2596				0			-0.0	11.9	323.9
Controllo Fessurazione																	

Verifiche senza calcolo diretto ampiezza fessure

VERIFICHE A TAGLIO Trave 201 202 Sez. 9 65x45 65x45 [cm] bordo L_{asse} 4.30 L_{netta} 3.80 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.70	0.45	25223.6	13439.0	109239.9	41713.4	ø 12 2br. 7.5'
0.70	1.38	0.68	22221.5	13611.8	142955.9	32550.8	Tr.ø 14 2br. 25.0'
1.38	2.92	1.54	17696.8	14051.4	142955.9	23914.9	Tr.ø 12 2br. 25.0'
2.92	3.60	0.68	22300.1	13342.7	142955.9	32550.8	Tr.ø 14 2br. 25.0'
3.60	4.05	0.45	25302.3	13169.9	109239.9	41713.4	ø 12 2br. 7.5'

VERIFICHE A TAGLIO Trave 202 203 Sez. 9 65x45 65x45 [cm] bordo L_{asse} 4.80 L_{netta} 4.30 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.68	0.43	24483.5	13169.9	109239.9	41713.4	ø 12 2br. 7.5'
0.68	1.38	0.70	21153.8	13278.1	142955.9	32550.8	Tr.ø 14 2br. 25.0'
1.38	3.42	2.04	16742.2	13792.1	142955.9	23914.9	Tr.ø 12 2br. 25.0'
3.42	4.12	0.70	22117.7	13110.3	142955.9	32550.8	Tr.ø 14 2br. 25.0'
4.12	4.55	0.43	26341.1	12811.1	109239.9	41713.4	ø 12 2br. 7.5'

VERIFICHE A TAGLIO Trave 203 204 Sez. 9 65x45 65x45 [cm] bordo L_{asse} 4.80 L_{netta} 4.30 [m]

Da [m]	A [m]	Dx [m]	V _{Sd} [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.90	0.65	27509.2	12811.1	109239.9	31285.1	ø 12 2br. 10.0'
0.90	1.88	0.98	21265.6	13277.7	142955.9	23914.9	Tr.ø 12 2br. 25.0'
1.88	2.92	1.04	13752.8	13797.4	142955.9	16607.6	Tr.ø 10 2br. 25.0'
2.92	3.90	0.98	21006.6	13285.3	142955.9	23914.9	Tr.ø 12 2br. 25.0'
3.90	4.55	0.65	27127.9	12811.1	109239.9	31285.1	ø 12 2br. 10.0'

VERIFICHE A TAGLIO Trave 204 205 Sez. 9 65x45 65x45 [cm] bordo L_{asse} 4.80 L_{netta} 4.30 [m]

Da [m]	A [m]	Dx [m]	V _{Sd} [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.85	0.60	27329.8	12811.1	109239.9	31285.1	ø 12 2br. 10.0'
0.85	1.86	1.00	21456.5	13246.3	142955.9	23914.9	Tr.ø 12 2br. 25.0'
1.86	2.94	1.09	13819.1	13797.4	142955.9	16607.6	Tr.ø 10 2br. 25.0'
2.94	3.95	1.00	21466.1	13246.3	142955.9	23914.9	Tr.ø 12 2br. 25.0'
3.95	4.55	0.60	27311.6	12811.1	109239.9	31285.1	ø 12 2br. 10.0'

VERIFICHE A TAGLIO Trave 205 206 Sez. 9 65x45 65x45 [cm] bordo L_{asse} 4.80 L_{netta} 4.30 [m]

Da [m]	A [m]	Dx [m]	V _{Sd} [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.86	0.61	27606.9	12811.1	109239.9	31285.1	ø 12 2br. 10.0'
0.86	1.85	0.99	21639.7	13247.4	142955.9	23914.9	Tr.ø 12 2br. 25.0'
1.85	2.95	1.10	14051.0	13797.4	142955.9	16607.6	Tr.ø 10 2br. 25.0'
2.95	3.94	0.99	21249.4	13247.4	142955.9	23914.9	Tr.ø 12 2br. 25.0'
3.94	4.55	0.61	27032.4	12811.1	109239.9	31285.1	ø 12 2br. 10.0'

VERIFICHE A TAGLIO Trave 206 207 Sez. 9 65x45 65x45 [cm] bordo L_{asse} 4.80 L_{netta} 4.30 [m]

Da [m]	A [m]	Dx [m]	V _{Sd} [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.86	0.61	27312.8	12811.1	109239.9	31285.1	ø 12 2br. 10.0'
0.86	1.86	1.00	21425.7	13247.4	142955.9	23914.9	Tr.ø 12 2br. 25.0'

1.86	2.94	1.08	13791.1	13797.4	142955.9	16607.6	Tr.ø 10 2br. 25.0'
2.94	3.94	1.00	21455.7	13247.4	142955.9	23914.9	Tr.ø 12 2br. 25.0'
3.94	4.55	0.61	27327.1	12811.1	109239.9	31285.1	ø 12 2br. 10.0'

VERIFICHE A TAGLIO Trave 207 208 Sez. 9 65x45 65x45 [cm] bordo L_{asse} 4.80 L_{netta} 4.30 [m]

Da [m]	A [m]	Dx [m]	Vsd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.86	0.61	27583.0	12811.1	109239.9	31285.1	ø 12 2br. 10.0'
0.86	1.82	0.96	21613.3	13247.4	142955.9	23914.9	Tr.ø 12 2br. 25.0'
1.82	2.98	1.16	14252.3	13797.4	142955.9	16607.6	Tr.ø 10 2br. 25.0'
2.98	3.94	0.96	21260.9	13247.4	142955.9	23914.9	Tr.ø 12 2br. 25.0'
3.94	4.55	0.61	27060.5	12811.1	109239.9	31285.1	ø 12 2br. 10.0'

VERIFICHE A TAGLIO Trave 208 209 Sez. 9 65x45 65x45 [cm] bordo L_{asse} 4.80 L_{netta} 4.30 [m]

Da [m]	A [m]	Dx [m]	Vsd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.83	0.58	27622.6	12811.1	109239.9	31285.1	ø 12 2br. 10.0'
0.83	1.76	0.92	21779.5	13231.2	142955.9	23914.9	Tr.ø 12 2br. 25.0'
1.76	3.04	1.29	14738.2	13797.4	142955.9	16607.6	Tr.ø 10 2br. 25.0'
3.04	3.97	0.92	21426.0	13269.9	142955.9	23914.9	Tr.ø 12 2br. 25.0'
3.97	4.55	0.58	27041.8	12954.6	109239.9	31285.1	ø 12 2br. 10.0'

VERIFICHE A TAGLIO Trave 209 210 Sez. 9 65x45 65x45 [cm] bordo L_{asse} 4.80 L_{netta} 4.30 [m]

Da [m]	A [m]	Dx [m]	Vsd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.86	0.61	27201.9	12954.6	109239.9	31285.1	ø 12 2br. 10.0'
0.86	1.84	0.98	21864.6	13282.2	142955.9	23914.9	Tr.ø 12 2br. 25.0'
1.84	2.96	1.12	14799.3	13797.4	142955.9	16607.6	Tr.ø 10 2br. 25.0'
2.96	3.94	0.98	22312.1	13378.0	142955.9	23914.9	Tr.ø 12 2br. 25.0'
3.94	4.55	0.61	27627.8	13337.2	109239.9	31285.1	ø 12 2br. 10.0'

VERIFICHE A TAGLIO Trave 210 211 Sez. 9 65x45 65x45 [cm] bordo L_{asse} 3.60 L_{netta} 3.15 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.66	0.41	22930.3	13253.5	109239.9	31285.1	ø 12 2br. 10.0'
0.66	1.51	0.85	20497.0	13182.9	142955.9	23914.9	Tr.ø 12 2br. 25.0'
1.51	2.14	0.63	15392.9	13699.3	142955.9	16607.6	Tr.ø 10 2br. 25.0'
2.14	2.99	0.85	19730.5	13640.3	142955.9	23914.9	Tr.ø 12 2br. 25.0'
2.99	3.40	0.41	22163.9	13746.8	109239.9	31285.1	ø 12 2br. 10.0'

N.B. Nella travata che segue sono incluse le verifiche delle travate:

- 224 225 226 227 228 229 230 231 232 233 234 235

Nodo	x [m]	Afe [cm²]	Afe _l [cm²]	Afi [cm²]	q ^{II} [kg/m]	Md _{par} [kgm]	Mde [kgm]	Mre [kgm]	Mde Mre	x/d	Mdi [kgm]	Mri [kgm]	Mdi Mri	x/d	σ _{6E} [kg/cm²]	σ _{6I} [kg/cm²]	σ _E [kg/cm²]	σ _n [kg/cm²]
Trave 202 /1 Sez. 7 90x45 90x45 [cm] L _{asse} =4.30 L _{netto} =3.75 q _{medio} =14155.0 [kg/m] (VALORE CARATTERISTICO)																		
212	SLU	0.25	39.33	0.00	22.81		48468	52585	0.92	0.23	-28336	30179	0.94	0.15				
SLE	Rare						8243			0					-0.0	25.9	603.5	229.1
SLE	Freq						6906			0					-0.0	21.7	505.7	192.0
SLE	Q.P.						6467			0					-0.0	20.3	473.5	179.8
CAM	SLU	2.13	15.21	0.00	25.13	20380.2	-23552	0	21576	0.00	0.14	-23506	34712	0.68	0.18			
SLE	Rare							0				-16326			60.8	-0.0	605.4	1823.0
SLE	Freq							0				-14377			53.6	-0.0	533.2	1605.4
SLE	Q.P.							0				-13728			51.1	-0.0	509.1	1532.9
213	SLU	4.00	45.43	0.00	20.85		55876	60821	0.92	0.24	-23782	28426	0.84	0.14				
SLE	Rare						14218			0					-0.0	42.5	902.8	427.7
SLE	Freq						12856			0					-0.0	38.4	816.3	386.7
SLE	Q.P.						12396			0					-0.0	37.0	787.1	372.9
Controllo Fessurazione																		

Verifiche senza calcolo diretto ampiezza fessure

Trave 202 /2 Sez. 7 90x45 90x45 [cm] L_{asse}=3.25 L_{netto}=2.75 q_{medio}=14155.0 [kg/m] (VALORE CARATTERISTICO)

213	SLU	0.30	45.43	0.00	20.85		30908	60821	0.51	0.24	-26206	28426	0.92	0.14				
SLE	Rare							99			-1284				4.2	0.3	35.8	173.6
SLE	Freq							94			-1126				3.7	0.3	31.4	152.3
SLE	Q.P.							89			-1077				3.5	0.3	30.1	145.6
CAM	SLU	1.67	15.21	0.00	25.13	20380.2	-13413	1107	21576	0.05	0.14	-14781	34712	0.43	0.18			
SLE	Rare						14155.0	-9316	0			-9880			36.8	-0.0	366.4	1103.2
SLE	Freq						12465.2	-8204	0			-8675			32.3	-0.0	321.7	968.6

SLE	Q.P.					11902.0	-7833	0			-8273			30.8	-0.0	306.8	923.8
214	SLU	3.05	36.09	0.00	21.05			46099	48813	0.94	0.22	-23529	28448	0.83	0.15		
SLE	Rare							9587				0		-0.0	30.9	759.0	297.0
SLE	Freq							8495				0		-0.0	27.4	672.5	263.2
SLE	Q.P.							8133				0		-0.0	26.2	643.9	252.0

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 202/3 Sez. 5 45x45 45x45 [cm] / $L_{asse}=3.63$ $L_{netta}=2.83$ $q_{medio}=7509.7$ [kg/m] (VALORE CARATTERISTICO)

214	SLU	0.20	21.24	0.00	13.90			23346	29037	0.80	0.21	-12224	19067	0.64	0.15		
SLE	Rare							4547				0		-0.0	25.7	603.7	261.8
SLE	Freq							4046				0		-0.0	22.9	537.3	233.0
SLE	Q.P.							3883				0		-0.0	22.0	515.5	223.5

CAM	SLU	1.61	7.63	0.00	12.57	10813.8	-8906	0	10943	0.00	0.13	-10145	17506	0.58	0.17		
SLE	Rare					7509.7	-6185	0				-7044		51.6	-0.0	536.5	1560.4
SLE	Freq					6609.3	-5443	0				-6196		45.4	-0.0	472.0	1372.7
SLE	Q.P.					6309.1	-5196	0				-5914		43.3	-0.0	450.5	1310.2

215	SLU	3.03	15.21	0.00	12.51			14028	21189	0.66	0.18	-14426	17254	0.84	0.15		
SLE	Rare							0				-2582		16.9	-0.0	168.5	576.2
SLE	Freq							0				-2302		15.1	-0.0	150.2	513.6
SLE	Q.P.							0				-2210		14.5	-0.0	144.2	493.1

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 202/4 Sez. 5 45x45 45x45 [cm] / $L_{asse}=2.73$ $L_{netta}=1.93$ $q_{medio}=7509.7$ [kg/m] (VALORE CARATTERISTICO)

215	SLU	0.60	15.21	0.00	12.51			15380	21189	0.73	0.18	-16638	17254	0.96	0.15		
SLE	Rare							0				-2671		17.5	-0.0	174.3	595.9
SLE	Freq							0				-2375		15.6	-0.0	155.0	529.9
SLE	Q.P.							0				-2279		14.9	-0.0	148.7	508.4
CAM	SLU	1.56	13.95	0.00	12.59	10813.8	-5019	3792	19488	0.19	0.17	-8633	17509	0.49	0.16		
SLE	Rare					7509.7	-3485	0				-3983		26.3	-0.0	265.5	877.7

SLE	Freq				6609.3	-3067	0	-3501			23.1	-0.0	233.4	771.5
SLE	Q.P.				6309.1	-2928	0	-3342			22.1	-0.0	222.8	736.4
216	SLU	2.53	21.24	0.00	13.90		24890	29037	0.86	0.21	-18604	19067	0.98	0.15
SLE	Rare						2824				-0.0	16.0	374.9	162.6
SLE	Freq						2532				-0.0	14.3	336.2	145.8
SLE	Q.P.						2438				-0.0	13.8	323.7	140.4

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 202 /5 Sez. 7 90x45 90x45 [cm] L_{asse}4.80 L_{netto}4.30 q_{medio}8016.0 [kg/m] (VALORE CARATTERISTICO)

216	SLU	0.20	36.09	0.00	21.05		40107	49174	0.82	0.21	-17940	28643	0.63	0.14
SLE	Rare						10132				0	-0.0	32.2	796.7
SLE	Freq						8999				0	-0.0	28.6	707.6
SLE	Q.P.						8653				0	-0.0	27.5	680.4
CAM	SLU	2.35	15.21	0.00	25.13	11522.5	-16592	0	21687	0.00	0.13	-16535	34953	0.47
SLE	Rare					8016.0	-11543	0			-11503	42.3	-0.0	431.1
SLE	Freq					7115.5	-10246	0			-10211	37.6	-0.0	382.7
SLE	Q.P.					6815.4	-9814	0			-9780	36.0	-0.0	366.6
217	SLU	4.50	45.43	0.00	20.85		43830	61309	0.71	0.24	-26273	28618	0.92	0.14
SLE	Rare						7265				0	-0.0	21.4	458.2
SLE	Freq						6429				0	-0.0	19.0	405.4
SLE	Q.P.						6111				0	-0.0	18.0	385.4

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 202 /6 Sez. 7 90x45 90x45 [cm] L_{asse}4.80 L_{netto}4.20 q_{medio}14155.0 [kg/m] (VALORE CARATTERISTICO)

217	SLU	0.30	45.43	0.00	20.85		56011	60821	0.92	0.24	-22010	28426	0.77	0.14
SLE	Rare						16241				0	-0.0	48.5	1031.2
SLE	Freq						14313				0	-0.0	42.8	908.8
SLE	Q.P.						13668				0	-0.0	40.8	867.8
CAM	SLU	2.40	15.21	0.00	25.13	20380.2	-29348	0	21576	0.00	0.14	-29348	34712	0.85

[illegible]

Verifiche senza calcolo diretto ampiezza fessure

Trave 202 / 7 Sez. 7 90x45 90x45 [cm] L_{asse} 4.80 L_{netta} 4.20 q_{medio} 14155.0 [kg/m] (VALORE CARATTERISTICO)

218	SLU	0.30	45.43	0.00	20.85	56417	60821	0.93	0.24	-20149	28426	0.71	0.14				
SLE	Rare					17704				0				-0.0	52.9	1124.1	532.6
SLE	Freq					15568				0				-0.0	46.5	988.5	468.3
SLE	Q.P.					14856				0				-0.0	44.4	943.3	446.9
CAM	SLU	2.40	15.21	0.00	25.13	20380.2	21576	0.00	0.14	-29348	34712	0.85	0.18				
SLE	Rare					14155.0	-20383			-20383				75.9	-0.0	755.9	2276.0
SLE	Freq					12465.2	-17950			-17950				66.9	-0.0	665.7	2004.3
SLE	Q.P.					11902.0	-17139			-17139				63.9	-0.0	635.6	1913.8
219	SLU	4.50	45.43	0.00	20.85	56675	60457	0.94	0.25	-20019	28042	0.71	0.15				
SLE	Rare					17853				0				-0.0	53.9	1137.5	519.3
SLE	Freq					15750				0				-0.0	47.5	1003.6	458.1
SLE	Q.P.					15050				0				-0.0	45.4	958.9	437.8

Verifiche senza calcolo diretto ampiezza fessure

Trave 202 / 8 Sez. 7 90x45 90x45 [cm] L_{asse} 4.80 L_{netta} 4.20 q_{medio} 14155.0 [kg/m] (VALORE CARATTERISTICO)

219	SLU	0.30	45.43	0.00	20.85	57313	60457	0.95	0.25	-19561	28042	0.70	0.15			
SLE	Rare					18460			0				-0.0	55.7	1176.2	537.0
SLE	Freq					16310			0				-0.0	49.2	1039.3	474.4
SLE	Q.P.					15595			0				-0.0	47.1	993.7	453.6

CAM	SLU	2.40	15.21	0.00	25.13	20380.2	-29348	0	21576	0.00	0.14	-29348	34712	0.85	0.18				
SLE	Rare					14155.0	-20383	0				-20383				75.9	-0.0	755.9	2276.0
SLE	Freq					12465.2	-17950	0				-17950				66.9	-0.0	665.7	2004.3
SLE	Q.P.					11902.0	-17139	0				-17139				63.9	-0.0	635.6	1913.8
220	SLU	4.50	45.43	0.00	20.85			55924	60457	0.93	0.25	-20694	28042	0.74	0.15				
SLE	Rare							17116				0				-0.0	51.7	1090.6	497.9
SLE	Freq							15031				0				-0.0	45.4	957.8	437.2
SLE	Q.P.							14335				0				-0.0	43.3	913.4	417.0
Controllo Fessurazione																			

Verifiche senza calcolo diretto ampiezza fessure

Trave 202/9 Sez. 7 90x45 90x45 [cm] / L_{asse} 4.80 L_{netto} 4.20 q_{medio} 14155.0 [kg/m] (VALORE CARATTERISTICO)

220	SLU	0.30	45.43	0.00	20.85			56974	60457	0.94	0.25	-19825	28042	0.71	0.15				
SLE	Rare							18146				0				-0.0	54.8	1156.2	527.8
SLE	Freq							16008				0				-0.0	48.3	1020.0	465.6
SLE	Q.P.							15295				0				-0.0	46.2	974.6	444.9
CAM	SLU	2.40	15.21	0.00	25.13	20380.3	-29348	0	21576	0.00	0.14	-29348	34712	0.85	0.18				
SLE	Rare					14155.0	-20383	0				-20383				75.9	-0.0	755.9	2276.0
SLE	Freq					12465.3	-17950	0				-17950				66.9	-0.0	665.7	2004.3
SLE	Q.P.					11902.0	-17139	0				-17139				63.9	-0.0	635.6	1913.8
221	SLU	4.50	45.43	0.00	20.85			55784	60457	0.92	0.25	-20822	28042	0.74	0.15				
SLE	Rare							16978				0				-0.0	51.2	1081.8	493.9
SLE	Freq							14894				0				-0.0	45.0	949.0	433.2
SLE	Q.P.							14197				0				-0.0	42.8	904.6	412.9
Controllo Fessurazione																			

Verifiche senza calcolo diretto ampiezza fessure

Trave 202/10 Sez. 7 90x45 90x45 [cm] / L_{asse} 4.80 L_{netto} 4.20 q_{medio} 14155.0 [kg/m] (VALORE CARATTERISTICO)

221	SLU	0.30	45.43	0.00	20.85			57087	60457	0.94	0.25	-20018	28042	0.71	0.15				
SLE	Rare							17992				0				-0.0	54.3	1146.4	523.4
SLE	Freq							15976				0				-0.0	48.2	1018.0	464.7

[illegible]

Verifiche senza calcolo diretto ampiezza fessure

Trave 202 /11 Sez. 7 90x45 90x45 [cm]/ L_{355c} 3.60 L_{netto} 3.10 q_{medio} 12746.9 [kg/m] (VALORE CARATTERISTICO)

222	SLU	0.30	45.43	0.00	20.85		39920	61309	0.65	0.24	-23256	28618	0.81	0.14				
SLE	Rare						5207			0					-0.0	15.4	328.4	157.6
SLE	Freq						4830			0					-0.0	14.3	304.6	146.2
SLE	Q.P.						4695			0					-0.0	13.9	296.1	142.1
CAM	SLU	1.85	15.21	0.00	25.13	18174.2	-14721	21576	0.00	0.14	-16713	34712	0.48	0.18				
SLE	Rare					12746.9	-10325	0			-11727				43.7	-0.0	434.9	1309.5
SLE	Freq					11761.2	-9527	0			-10876				40.5	-0.0	403.3	1214.5
SLE	Q.P.					11432.6	-9260	0			-10593				39.5	-0.0	392.8	1182.8
223	SLU	3.40	36.19	0.00	22.75		39175	49483	0.79	0.21	-26447	31098	0.85	0.15				
SLE	Rare						4011			0					-0.0	12.5	312.6	121.0
SLE	Freq						3544			0					-0.0	11.0	276.2	106.9
SLE	Q.P.						3397			0					-0.0	10.6	264.8	102.5

Verifiche senza calcolo diretto ampiezza fessure

VERIFICHE A TAGLIO Trave 212 213 Sez. 7 90x45 90x45 [cm] L_{asse} 4.30 L_{netta} 3.75 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.72	0.47	39379.2	18988.8	151255.3	56776.6	ø 14 2br. 7.5'
0.72	1.36	0.63	33726.5	19328.8	197939.0	42515.4	Tr.ø 16 2br. 25.0'
1.36	2.89	1.53	29331.3	19312.6	197939.0	32550.8	Tr.ø 14 2br. 25.0'
2.89	3.53	0.63	36868.2	18973.6	197939.0	42515.4	Tr.ø 16 2br. 25.0'
3.53	4.00	0.47	42520.8	18711.3	151255.3	56776.6	ø 14 2br. 7.5'

VERIFICHE A TAGLIO Trave 213 214 Sez. 7 90x45 90x45 [cm] L_{asse} 3.25 L_{netta} 2.75 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.30	0.73	0.43	33680.1	18711.3	151255.3	56776.6	ø 14 2br. 7.5'
0.73	1.29	0.55	28509.1	18957.2	197939.0	42515.4	Tr.ø 16 2br. 25.0'
1.29	2.06	0.77	28083.5	19290.7	197939.0	32550.8	Tr.ø 14 2br. 25.0'
2.06	2.61	0.55	34664.7	19191.7	197939.0	42515.4	Tr.ø 16 2br. 25.0'
2.61	3.05	0.43	39835.7	18739.5	151255.3	56776.6	ø 14 2br. 7.5'

VERIFICHE A TAGLIO Trave 214 215 Sez. 5 45x45 45x45 [cm] L_{asse} 3.63 L_{netta} 2.83 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.20	0.66	0.46	20794.4	9749.4	75627.6	28967.7	ø 10 2br. 7.5'
0.66	2.57	1.92	17922.7	9474.9	98969.5	23914.9	Tr.ø 12 2br. 25.0'
2.57	3.03	0.46	16968.4	9552.0	75627.6	28967.7	ø 10 2br. 7.5'

VERIFICHE A TAGLIO Trave 215 216 Sez. 5 45x45 45x45 [cm] L_{asse} 2.73 L_{netta} 1.93 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.60	1.01	0.41	20829.3	9564.4	75627.6	28967.7	ø 10 2br. 7.5'
1.01	2.11	1.10	21655.3	9481.0	98969.5	23914.9	Tr.ø 12 2br. 25.0'
2.11	2.53	0.41	24248.4	9761.8	75627.6	28967.7	ø 10 2br. 7.5'

VERIFICHE A TAGLIO Trave 216 217 Sez. 7 90x45 90x45 [cm] L_{asse} 4.80 L_{netta} 4.30 [m]

Da [m]	A [m]	Dx [m]	Vsd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.20	0.74	0.54	28759.0	18739.5	151255.3	31285.1	ø 12 2br. 10.0'
0.74	1.45	0.72	25104.2	19196.5	197939.0	32550.8	Tr.ø 14 2br. 25.0'
1.45	3.25	1.80	20231.1	19318.8	197939.0	23914.9	Tr.ø 12 2br. 25.0'
3.25	3.96	0.72	24036.8	19012.1	197939.0	32550.8	Tr.ø 14 2br. 25.0'
3.96	4.50	0.54	27691.6	18711.3	151255.3	31285.1	ø 12 2br. 10.0'

VERIFICHE A TAGLIO Trave 217 218 Sez. 7 90x45 90x45 [cm] L_{asse} 4.80 L_{netta} 4.20 [m]

Da [m]	A [m]	Dx [m]	Vsd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.30	0.80	0.50	42279.2	18711.3	151255.3	56776.6	ø 14 2br. 7.5'
0.80	1.51	0.71	34966.6	18986.4	197939.0	42515.4	Tr.ø 16 2br. 25.0'
1.51	3.29	1.78	27101.6	19318.8	197939.0	32550.8	Tr.ø 14 2br. 25.0'
3.29	4.00	0.71	35590.2	18986.4	197939.0	42515.4	Tr.ø 16 2br. 25.0'
4.00	4.50	0.50	43382.9	18711.3	151255.3	56776.6	ø 14 2br. 7.5'

VERIFICHE A TAGLIO Trave 218 219 Sez. 7 90x45 90x45 [cm] L_{asse} 4.80 L_{netta} 4.20 [m]

Da [m]	A [m]	Dx [m]	Vsd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.30	0.79	0.49	42771.8	18711.3	151255.3	56776.6	ø 14 2br. 7.5'
0.79	1.47	0.68	35113.3	18980.2	197939.0	42515.4	Tr.ø 16 2br. 25.0'
1.47	3.33	1.86	27070.8	19318.8	197939.0	32550.8	Tr.ø 14 2br. 25.0'
3.33	4.01	0.68	35205.7	18980.2	197939.0	42515.4	Tr.ø 16 2br. 25.0'
4.01	4.50	0.49	42883.4	18711.3	151255.3	56776.6	ø 14 2br. 7.5'

VERIFICHE A TAGLIO Trave 219 220 Sez. 7 90x45 90x45 [cm] L_{asse} 4.80 L_{netta} 4.20 [m]

Da [m]	A [m]	Dx [m]	Vsd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.30	0.75	0.45	43279.0	18711.3	151255.3	56776.6	ø 14 2br. 7.5'
0.75	1.49	0.74	35958.9	18955.3	197939.0	42515.4	Tr.ø 16 2br. 25.0'
1.49	3.31	1.82	27116.6	19318.8	197939.0	32550.8	Tr.ø 14 2br. 25.0'
3.31	4.05	0.74	35358.4	18955.3	197939.0	42515.4	Tr.ø 16 2br. 25.0'

4.05	4.50	0.45	42384.0	18711.3	151255.3	56776.6	ø 14 2br. 7.5'
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VERIFICHE A TAGLIO Trave 220 221 Sez. 7 90x45 90x45 [cm] L_{asse} 4.80 L_{netta} 4.20 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.30	0.81	0.51	43211.4	18711.3	151255.3	56776.6	ø 14 2br. 7.5'
0.81	1.47	0.66	35201.3	18992.6	197939.0	42515.4	Tr.ø 16 2br. 25.0'
1.47	3.33	1.86	27302.2	19318.8	197939.0	32550.8	Tr.ø 14 2br. 25.0'
3.33	3.99	0.66	34680.6	18992.6	197939.0	42515.4	Tr.ø 16 2br. 25.0'
3.99	4.50	0.51	42439.1	18711.3	151255.3	56776.6	ø 14 2br. 7.5'

VERIFICHE A TAGLIO Trave 221 222 Sez. 7 90x45 90x45 [cm] L_{asse} 4.80 L_{netta} 4.20 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.30	0.82	0.52	43473.4	18711.3	151255.3	56776.6	ø 14 2br. 7.5'
0.82	1.47	0.65	35382.4	18998.8	197939.0	42515.4	Tr.ø 16 2br. 25.0'
1.47	3.33	1.86	27601.2	19318.8	197939.0	32550.8	Tr.ø 14 2br. 25.0'
3.33	3.98	0.65	34613.9	18998.8	197939.0	42515.4	Tr.ø 16 2br. 25.0'
3.98	4.50	0.52	42331.0	18711.3	151255.3	56776.6	ø 14 2br. 7.5'

VERIFICHE A TAGLIO Trave 222 223 Sez. 7 90x45 90x45 [cm] L_{asse} 3.60 L_{netta} 3.10 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.30	0.78	0.48	36741.7	18711.3	151255.3	41713.4	ø 12 2br. 7.5'
0.78	1.35	0.57	31306.6	18973.9	197939.0	42515.4	Tr.ø 16 2br. 25.0'
1.35	2.35	1.00	24739.3	19308.4	197939.0	32550.8	Tr.ø 14 2br. 25.0'
2.35	2.92	0.57	30459.9	19115.1	197939.0	42515.4	Tr.ø 16 2br. 25.0'
2.92	3.40	0.48	35895.0	18980.4	151255.3	41713.4	ø 12 2br. 7.5'

Nodo	x [m]	Afe [cm²]	Afi [cm²]	q ^{II} [kg/m]	Md _{par} [kgm]	Mde [kgm]	Mre [kgm]	Mde Mre	x/d	Mdi [kgm]	Mri [kgm]	Mdi Mri	x/d	σ _{se} [kg/cm²]	σ _m [kg/cm²]	σ _{re} [kg/cm²]	σ _n [kg/cm²]
Trave 205 /1 Sez. 8 70x45 70x45 [cm] L _{asse} 8.77 L _{netto} 8.17 q _{medio} 4147.5 [kg/m] (VALORE CARATTERISTICO)																	
217	SLU 0.30	22.81	0.00	8.21		27793	31415	0.88	0.21	0	11301	0.00	0.12				
	SLE Rare					16837				0				-0.0	79.8	2074.4	698.4
	SLE Freq					15078				0				-0.0	71.4	1857.7	625.4
	SLE Q.P.					14491				0				-0.0	68.7	1785.4	601.1
CAM	SLU 4.39	11.40	0.00	30.41	5950.5	-28604	0	16344	0.00	0.13	-28808	41649	0.69	0.22			
	SLE Rare				4147.5	-19937	0			-20090				82.5	-0.0	922.2	1872.9
	SLE Freq				3715.5	-17861	0			-18002				74.0	-0.0	826.4	1678.2
	SLE Q.P.				3571.5	-17168	0			-17306				71.1	-0.0	794.4	1613.3
229	SLU 8.47	22.81	0.00	8.09		27607	31414	0.88	0.21	0	11135	0.00	0.12				
	SLE Rare					16713				0				-0.0	79.3	2059.2	694.4
	SLE Freq					14968				0				-0.0	71.0	1844.2	621.9
	SLE Q.P.					14387				0				-0.0	68.3	1772.6	597.8

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

VERIFICHE A TAGLIO Trave 217 229 Sez. 8 70x45 70x45 [cm] L_{asse} 8.77 L_{netto} 8.17 [m]

Da [m]	A [m]	Dx [m]	VSD [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.30	0.94	0.64	24329.8	13417.1	117643.0	31285.1	ø 12 2br. 10.0'
0.94	2.33	1.39	20535.4	14904.6	153952.6	23914.9	Tr.ø 12 2br. 25.0'
2.33	6.44	4.10	12235.2	16567.7	153952.6	16607.6	Tr.ø 10 2br. 25.0'
6.44	7.83	1.39	20491.6	14892.9	153952.6	23914.9	Tr.ø 12 2br. 25.0'
7.83	8.47	0.64	24286.0	13399.2	117643.0	31285.1	ø 12 2br. 10.0'

Nodo	x [m]	Afe [cm²]	Afe ₁ [cm²]	Afi [cm²]	q ^{II} [kg/m]	Md _{par} [kgm]	Mde [kgm]	Mre [kgm]	Mde Mre	x/d	Mdi [kgm]	Mri [kgm]	Mdi Mri	x/d	σ _{bs} [kg/cm²]	σ _{bl} [kg/cm²]	σ _{rs} [kg/cm²]	σ _{rl} [kg/cm²]
Trave 206 /1 Sez. 6 50x45 50x45 [cm] L _{ass} 10.01 L _{netto} 9.56 q _{medio} 1224.2 [kg/m] (VALORE CARATTERISTICO)																		
201	SLU	0.20	15.21	0.00	8.55	13368	21157	0.63	0.20	0	11637	0.00	0.13					
SLE	Rare					7715				0				-0.0		50.1	1412.2	429.1
SLE	Freq					7679				0				-0.0		49.9	1405.6	427.1
SLE	Q.P.					7667				0				-0.0		49.8	1403.4	426.4
CAM	SLU	4.98	9.42	0.00	26.61	1713.8	-10722	0	0.13	-10712	36092	0.30	0.25					
SLE	Rare					1224.2	-7659	0		-7652				40.6		-0.0	467.2	821.2
SLE	Freq					1224.2	-7659	0		-7652				40.6		-0.0	467.2	821.2
SLE	Q.P.					1224.2	-7659	0		-7652				40.6		-0.0	467.2	821.2
212	SLU	9.76	19.01	0.00	8.34	14889	26084	0.57	0.22	0	11352	0.00	0.13					
SLE	Rare					8985				0				-0.0		54.4	1329.1	495.5
SLE	Freq					8999				0				-0.0		54.4	1331.2	496.2
SLE	Q.P.					8998				0				-0.0		54.4	1331.0	496.2
Controllo Fessurazione																		

Verifiche senza calcolo diretto ampiezza fessure

Trave 206 /2 Sez. 6 50x45 50x45 [cm] L _{ass} 8.77 L _{netto} 8.27 q _{medio} 1962.5 [kg/m] (VALORE CARATTERISTICO)																		
212	SLU	0.25	19.01	0.00	8.34	17207	26084	0.66	0.22	0	11352	0.00	0.13					
SLE	Rare					10185				0				-0.0		61.6	1506.7	561.6
SLE	Freq					10170				0				-0.0		61.5	1504.4	560.8
SLE	Q.P.					10165				0				-0.0		61.5	1503.6	560.5
CAM	SLU	4.39	9.42	0.00	21.99	2747.5	-13207	0	0.13	-13207	30279	0.44	0.22					
SLE	Rare					1962.5	-9434	0		-9434				52.6		-0.0	591.9	1210.1
SLE	Freq					1962.5	-9434	0		-9434				52.6		-0.0	591.9	1210.1
SLE	Q.P.					1962.5	-9434	0		-9434				52.6		-0.0	591.9	1210.1
224	SLU	8.52	19.01	0.00	8.34	16941	26084	0.65	0.22	0	11352	0.00	0.13					
SLE	Rare					9901				0				-0.0		59.9	1464.7	546.0
SLE	Freq					9908				0				-0.0		59.9	1465.6	546.4

SLE	Q.P.	9907	Controllo Fessurazione				0	-0.0	59.9	1465.5	546.3
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Verifiche senza calcolo diretto ampiezza fessure

Trave 206 /3 Sez. 6 50x45 50x45 [cm] L_{asse}10.00 L_{netto}9.55 q_{medio}1224.2 [kg/m] (VALORE CARATTERISTICO)

224	SLU	0.25	19.01	0.00	8.34	15139	26084	0.58	0.22	0	11352	0.00	0.13		
SLE	Rare					9216				0				-0.0	55.8 1363.4 508.2
SLE	Freq					9221				0				-0.0	55.8 1364.0 508.5
SLE	Q.P.					9221				0				-0.0	55.8 1364.0 508.5
CAM	SLU	5.03	9.42	0.00	26.61	1713.8	-10722	0	13460	0.00	0.13	-10712	36092	0.30	0.25
SLE	Rare					1224.2	-7659	0				-7652		40.6	-0.0 467.2 821.2
SLE	Freq					1224.2	-7659	0				-7652		40.6	-0.0 467.2 821.2
SLE	Q.P.					1224.2	-7659	0				-7652		40.6	-0.0 467.2 821.2
236	SLU	9.80	15.21	0.00	8.55	13157	21157	0.62	0.20	0	11637	0.00	0.13		
SLE	Rare					7451				0				-0.0	48.4 1363.8 414.4
SLE	Freq					7443				0				-0.0	48.4 1362.4 413.9
SLE	Q.P.					7442				0				-0.0	48.3 1362.1 413.8

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

VERIFICHE A TAGLIO Trave 201 212 Sez. 6 50x45 50x45 [cm] L_{asse} 10.01 L_{netto} 9.56 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.20	0.80	0.60	7100.4	9964.3	84030.7	28967.7	ø 10 2br. 7.5'
0.80	2.09	1.30	6211.1	11118.1	109966.1	23914.9	Tr-ø 12 2br. 25.0'
2.09	7.86	5.77	4308.6	12527.8	109966.1	16607.6	Tr-ø 10 2br. 25.0'
7.86	9.16	1.30	7431.6	11088.5	109966.1	23914.9	Tr-ø 12 2br. 25.0'
9.16	9.76	0.60	9074.1	9934.7	84030.7	28967.7	ø 10 2br. 7.5'

VERIFICHE A TAGLIO Trave 212 224 Sez. 6 50x45 50x45 [cm] L_{asse} 8.77 L_{netto} 8.27 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.84	0.59	11413.5	9934.7	84030.7	28967.7	ø 10 2br. 7.5'
0.84	1.98	1.14	9800.3	10897.5	109966.1	23914.9	Tr.ø 12 2br. 25.0'
1.98	6.79	4.81	6655.9	11872.3	109966.1	16607.6	Tr.ø 10 2br. 25.0'
6.79	7.93	1.14	9701.7	10897.5	109966.1	23914.9	Tr.ø 12 2br. 25.0'
7.93	8.52	0.59	11314.9	9934.7	84030.7	28967.7	ø 10 2br. 7.5'

VERIFICHE A TAGLIO Trave 224 236 Sez. 6 50x45 50x45 [cm] L_{asse} 10.00 L_{netta} 9.55 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.85	0.60	9143.3	9934.7	84030.7	28967.7	ø 10 2br. 7.5'
0.85	2.10	1.26	7500.9	11071.2	109966.1	23914.9	Tr.ø 12 2br. 25.0'
2.10	7.95	5.85	4437.2	12527.8	109966.1	16607.6	Tr.ø 10 2br. 25.0'
7.95	9.21	1.26	6131.8	11100.8	109966.1	23914.9	Tr.ø 12 2br. 25.0'
9.21	9.80	0.60	7021.0	9964.3	84030.7	28967.7	ø 10 2br. 7.5'

Nodo	x [m]	Afe [cm²]	Afe ₁ [cm²]	Afi ₁ [cm²]	q ^{II} [kg/m]	Md _{par} [kgm]	Mde [kgm]	Mre [kgm]	Mde Mre	x/d	Mdi Mri	Mdi [kgm]	Mri [kgm]	σ _{di} [kg/cm²]	σ _{de} [kg/cm²]	σ _{ri} [kg/cm²]	σ _{re} [kg/cm²]	σ _n [kg/cm²]
Trave 207/1 Sez. 16 120x45 120x45 [cm] L _{ass} 10.01 L _{netto} 9.51 q _{medio} 1850.0 [kg/m] (VALORE CARATTERISTICO)																		
211	SLU	0.25	21.99	0.00	0.00	15.99	27973	31614	0.88	0.16	-6771	21978	0.31	0.12	-0.0	34.6	1291.0	249.6
	SLE	Rare					10441			0					-0.0			
	SLE	Freq					10403			0					-0.0	34.5	1286.3	248.7
	SLE	Q.P.					10391			0					-0.0	34.4	1284.9	248.4
CAM	SLU	5.00	19.01	0.00	0.00	22.90	2590.0	-16204	0	0.13	-16204	32567	0.50	0.14				
	SLE	Rare					1850.0	-11574	0		-11574				36.2	-0.0	348.6	1376.4
	SLE	Freq					1850.0	-11574	0		-11574				36.2	-0.0	348.6	1376.4
	SLE	Q.P.					1850.0	-11574	0		-11574				36.2	-0.0	348.6	1376.4
223	SLU	9.76	25.13	0.00	0.00	13.90	29182	35866	0.81	0.17	-1732	19191	0.09	0.12	-0.0	43.1	1471.6	331.5
	SLE	Rare					13532			0					-0.0			
	SLE	Freq					13542			0					-0.0	43.1	1472.7	331.8
	SLE	Q.P.					13542			0					-0.0	43.1	1472.6	331.8

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 207/2 Sez. 16 120x45 120x45 [cm] L_{ass} 8.77 L_{netto} 8.27 q_{medio} 1850.0 [kg/m] (VALORE CARATTERISTICO)

223	SLU	0.25	25.13	0.00	0.00	13.90	26268	35866	0.73	0.17	-4732	19191	0.25	0.12	-0.0	33.1	1130.0	254.6
	SLE	Rare					10391			0					-0.0			
	SLE	Freq					10393			0					-0.0	33.1	1130.2	254.6
	SLE	Q.P.					10393			0					-0.0	33.1	1130.2	254.6
CAM	SLU	4.38	19.01	0.00	0.00	20.36	2590.0	-12450	0	0.13	-12450	29053	0.43	0.14				
	SLE	Rare					1850.0	-8893	0		-8893				29.0	-0.0	271.3	1184.9
	SLE	Freq					1850.0	-8893	0		-8893				29.0	-0.0	271.3	1184.9
	SLE	Q.P.					1850.0	-8893	0		-8893				29.0	-0.0	271.3	1184.9
235	SLU	8.52	25.13	0.00	0.00	13.90	26408	35866	0.74	0.17	-4627	19191	0.24	0.12	-0.0	33.5	1143.1	257.5
	SLE	Rare					10512			0					-0.0			
	SLE	Freq					10517			0					-0.0	33.5	1143.7	257.6

SLE	Q.P.	10517	0	-0.0	33.5	1143.7	257.6
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Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 207/3 Sez. 16 120x45 120x45 [cm] L_{asse}10.01 L_{netta}9.51 q_{medio}1850.0 [kg/m] (VALORE CARATTERISTICO)

235	SLU	0.25	25.13	0.00	13.90	28843	35866	0.80	0.17	-1848	19191	0.10	0.12				
SLE	Rare					13297				0				-0.0	42.4	1446.0	325.8
SLE	Freq					13316				0				-0.0	42.4	1448.1	326.2
SLE	Q.P.					13316				0				-0.0	42.4	1448.1	326.2
CAM	SLU	5.00	19.01	0.00	22.90	2590.0	-16204	0	27357	0.00	0.13	-16204	32567				
SLE	Rare					1850.0	-11574	0		-11574				36.2	-0.0	348.6	1376.4
SLE	Freq					1850.0	-11574	0		-11574				36.2	-0.0	348.6	1376.4
SLE	Q.P.					1850.0	-11574	0		-11574				36.2	-0.0	348.6	1376.4
246	SLU	9.76	21.99	0.00	15.99	28097	31614	0.89	0.16	-6379	21978	0.29	0.12				
SLE	Rare					10742				0				-0.0	35.6	1328.2	256.8
SLE	Freq					10676				0				-0.0	35.4	1320.1	255.3
SLE	Q.P.					10655				0				-0.0	35.3	1317.5	254.8

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

VERIFICHE A TAGLIO Trave 211 223 Sez. 16 120x45 120x45 [cm] L_{asse} 10.01 L_{netta} 9.51 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.85	0.60	11860.0	23271.1	201673.7	28967.7	ø 10 2br. 7.5'
0.85	9.16	8.31	11229.6	23632.0	263918.7	16607.6	Tr.ø 10 2br. 25.0'
9.16	9.76	0.60	12767.9	22975.1	201673.7	28967.7	ø 10 2br. 7.5'

VERIFICHE A TAGLIO Trave 223 235 Sez. 16 120x45 120x45 [cm] L_{asse} 8.77 L_{netta} 8.27 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.90	0.65	11115.6	22975.1	201673.7	28967.7	ø 10 2br. 7.5'
0.90	7.87	6.97	9947.3	23488.7	263918.7	16607.6	Tr.ø 10 2br. 25.0'
7.87	8.52	0.65	11145.5	22975.1	201673.7	28967.7	ø 10 2br. 7.5'

VERIFICHE A TAGLIO Trave 235 246 Sez. 16 120x45 120x45 [cm] L_{asse} 10.01 L_{netta} 9.51 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.85	0.60	12691.5	22975.1	201673.7	28967.7	ø 10 2br. 7.5'
0.85	9.16	8.31	11153.2	23649.6	263918.7	16607.6	Tr.ø 10 2br. 25.0'
9.16	9.76	0.60	11944.8	23271.1	201673.7	28967.7	ø 10 2br. 7.5'

N.B. Nella travata che segue sono incluse le verifiche delle travate:

- 336 337 338 339 340 341 342 343 344 345 346

Nodo	x [m]	Afe [cm²]	Afe _l [cm²]	Afi [cm²]	q ^{II} [kg/m]	Md _{par} [kgm]	Mde [kgm]	Mre [kgm]	Mde Mre	x/d	Mdi [kgm]	Mri [kgm]	Mdi Mri	x/d	σ _{BE} [kg/cm²]	σ _{BI} [kg/cm²]	σ _E [kg/cm²]	σ _n [kg/cm²]
Trave 301 /1 Sez. 13 60x45 60x45 [cm] bordo L _{asse} 4.30 L _{netto} 3.80 q _{medio} 11408.5 [kg/m] (VALORE CARATTERISTICO)																		
301	SLU	0.25	26.55	0.00	11.63	33472	35675	0.94	0.24	-11958	15669	0.76	0.14					
	SLE	Rare				10291	0			-0.0		49.5		-0.0		1109.3		459.0
	SLE	Freq				9272	0			-0.0		44.6		-0.0		999.5		413.5
	SLE	Q.P.				8942	0			-0.0		43.0		-0.0		963.9		398.8
CAM	SLU	2.15	9.42	0.00	16.46	0	13516	0.00	0.13	-18804	22962	0.82	0.17					
	SLE	Rare				0	-13184			-13184				73.6	-0.0	757.3		2230.7
	SLE	Freq				0	-12143			-12143				67.8	-0.0	697.5		2054.6
	SLE	Q.P.				0	-11797			-11797				65.9	-0.0	677.6		1995.9
302	SLU	4.05	26.55	0.00	7.58	30708	35576	0.86	0.25	-7831	10400	0.75	0.12					
	SLE	Rare				10791	0			-0.0		54.2		-0.0		1165.7		510.4
	SLE	Freq				10062	0			-0.0		50.6		-0.0		1086.9		475.9
	SLE	Q.P.				9808	0			-0.0		49.3		-0.0		1059.6		463.9
Controllo Fessurazione																		

Verifiche senza calcolo diretto ampiezza fessure

Trave 301 /2 Sez. 13 60x45 60x45 [cm] bordo L _{asse} 4.80 L _{netto} 4.30 q _{medio} 9529.3 [kg/m] (VALORE CARATTERISTICO)																		
302	SLU	0.25	26.55	0.00	7.58	31634	35576	0.89	0.25	-5763	10400	0.55	0.12					
	SLE	Rare				12885	0			0				-0.0	64.7	1391.9		609.4
	SLE	Freq				11738	0			0				-0.0	59.0	1268.1		555.2
	SLE	Q.P.				11355	0			0				-0.0	57.1	1226.7		537.1
CAM	SLU	2.40	9.42	0.00	16.46	0	13516	0.00	0.13	-19643	22962	0.86	0.17					
	SLE	Rare				0	-13722			-13722				76.6	-0.0	788.2		2321.7
	SLE	Freq				0	-12426			-12426				69.4	-0.0	713.8		2102.3

SLE	Q.P.	8328.7	-11993	0	30761	0.97	0.23	-6788	10399	0.65	0.12	67.0	-0.0	688.9	2029.2
303	SLU	4.55	22.62	0.00	7.58	29912	29912	-6788	10399	0.65	0.12	67.0	-0.0	688.9	2029.2
SLE	Rare					11749	11749	0				-0.0	61.8	1473.6	560.6
SLE	Freq					10549	10549	0				-0.0	55.5	1323.1	503.4
SLE	Q.P.					10149	10149	0				-0.0	53.4	1272.9	484.3

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 301 /3 Sez. 13 60x45 60x45 [cm] bordo L_{asse} 4.80 L_{netta} 4.30 q_{medio} 8808.5 [kg/m] (VALORE CARATTERISTICO)

303	SLU	0.25	22.62	0.00	7.58	30392	30761	0.99	0.23	-5799	10399	0.56	0.12			
SLE	Rare					12563				0			-0.0	66.1	1575.6	599.5
SLE	Freq					11315				0			-0.0	59.5	1419.1	539.9
SLE	Q.P.					10899				0			-0.0	57.3	1366.9	520.1
CAM	SLU	2.40	9.42	0.00	16.46	0	13586	0.00	0.13	-18190	23122	0.79	0.17			
SLE	Rare					0				-12684			70.0	-0.0	736.1	2132.1
SLE	Freq					0				-11388			62.8	-0.0	660.8	1914.2
SLE	Q.P.					0				-10955			60.4	-0.0	635.7	1841.5
304	SLU	4.55	22.62	0.00	7.58	29382	30761	0.96	0.23	-6793	10399	0.65	0.12			
SLE	Rare					11477				0			-0.0	60.4	1439.5	547.7
SLE	Freq					10265				0			-0.0	54.0	1287.4	489.8
SLE	Q.P.					9860				0			-0.0	51.9	1236.7	470.5

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 301 / 4 Sez. I3 60x45 60x45 [cm] bordo L_{asse}4.80 L_{netto}4.30 q_{medio}8808.5 [kg/m] (VALORE CARATTERISTICO)

304	SLU	0.25	22.62	0.00	7.58	29904	30761	0.97	0.23	-6393	10399	0.61	0.12		
SLE	Rare					12053				0			-0.0	63.4	1511.8
SLE	Freq					10797				0			-0.0	56.8	1354.2
SLE	Q.P.					10379				0			-0.0	54.6	1301.8
CAM	SLU	2.40	9.42	0.00	16.46	12632.0	13586	0.00	0.13	-18190	23122	0.79	0.17		
SLE	Rare					8808.5				-12684			70.0	-0.0	736.1
						0				-12684					2132.1

SLE	Freq					7908.0	-11388	0		-11388		62.8	-0.0	660.8	1914.2
SLE	Q.P.					7607.9	-10955	0		-10955		60.4	-0.0	635.7	1841.5
305	SLU	4.55	22.62	0.00	7.58			29965	30761	0.97	0.23	10399	0.60	0.12	
SLE	Rare							12029				-0.0	63.3	1508.7	574.0
SLE	Freq							10822				-0.0	56.9	1357.3	516.4
SLE	Q.P.							10419				-0.0	54.8	1306.7	497.2

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 301 /5 Sez. 13 60x45 60x45 [cm] bordo L_{asse} 4.80 L_{netto} 4.30 q_{medio} 8808.5 [kg/m] (VALORE CARATTERISTICO)

305	SLU	0.25	22.62	0.00	7.58			30455	30761	0.99	0.23	-5857	10399	0.56	0.12
SLE	Rare							12591				0	-0.0	66.2	1579.1
SLE	Freq							11337				0	-0.0	59.6	1421.9
SLE	Q.P.							10919				0	-0.0	57.5	1369.5
CAM	SLU	2.40	9.42	0.00	16.46	12632.1	-18190	0	13586	0.00	0.13	-18190	23122	0.79	0.17
SLE	Rare					8808.5	-12684	0				-12684	70.0	-0.0	736.1
SLE	Freq					7908.1	-11388	0				-11388	62.8	-0.0	660.8
SLE	Q.P.					7607.9	-10955	0				-10955	60.4	-0.0	635.7
306	SLU	4.55	22.62	0.00	7.58			29374	30761	0.95	0.23	-6769	10399	0.65	0.12
SLE	Rare							11493				0	-0.0	60.5	1441.5
SLE	Freq							10285				0	-0.0	54.1	1290.0
SLE	Q.P.							9882				0	-0.0	52.0	1239.4

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 301 /6 Sez. 13 60x45 60x45 [cm] bordo L_{asse} 4.80 L_{netto} 4.30 q_{medio} 8808.5 [kg/m] (VALORE CARATTERISTICO)

306	SLU	0.25	22.62	0.00	7.58			29859	30761	0.97	0.23	-6344	10399	0.61	0.12
SLE	Rare							12051				0	-0.0	63.4	1511.5
SLE	Freq							10798				0	-0.0	56.8	1354.3
SLE	Q.P.							10380				0	-0.0	54.6	1301.9
CAM	SLU	2.40	9.42	0.00	16.46	12632.0	-18190	0	13586	0.00	0.13	-18190	23122	0.79	0.17

CAM	SLU	2.40	9.42	0.00	16.46	12632.0	-18190	0	13586	0.00	0.13	-18190	23122	0.79	0.17				
SLE	Rare					8808.5	-12684	0				-12684				70.0	-0.0	736.1	2132.1
SLE	Freq					7908.1	-11388	0				-11388				62.8	-0.0	660.8	1914.2
SLE	Q.P.					7607.9	-10955	0				-10955				60.4	-0.0	635.7	1841.5
309	SLU	4.55	22.62	0.00	7.58			29010	30761	0.94	0.23	-6544	10399	0.63	0.12				
SLE	Rare							11393				0				-0.0	59.9	1428.9	543.6
SLE	Freq							10229				0				-0.0	53.8	1283.0	488.1
SLE	Q.P.							9840				0				-0.0	51.8	1234.1	469.5
Controllo Fessurazione																			

Verifiche senza calcolo diretto ampiezza fessure

Trave 301 /9 Sez. 13 60x45 60x45 [cm] bordo L_{asse}=4.80 L_{netto}=4.30 q_{medio}=8808.5 [kg/m] (VALORE CARATTERISTICO)

309	SLU	0.25	22.62	0.00	7.58			29975	30761	0.97	0.23	-9974	10399	0.96	0.12				
SLE	Rare							10002				0				-0.0	52.6	1254.5	477.3
SLE	Freq							8971				0				-0.0	47.2	1125.2	428.1
SLE	Q.P.							8621				0				-0.0	45.4	1081.2	411.4

CAM	SLU	2.40	9.42	0.00	16.46	12632.0	-18190	0	13586	0.00	0.13	-18190	23122	0.79	0.17				
SLE	Rare					8808.5	-12684	0				-12684				70.0	-0.0	736.1	2132.1
SLE	Freq					7908.0	-11388	0				-11388				62.8	-0.0	660.8	1914.2
SLE	Q.P.					7607.9	-10955	0				-10955				60.4	-0.0	635.7	1841.5
310	SLU	4.55	26.55	0.00	10.11			34977	35646	0.98	0.24	-8213	13696	0.60	0.13				
SLE	Rare							13449				0				-0.0	65.7	1450.8	613.0
SLE	Freq							12090				0				-0.0	59.1	1304.3	551.1
SLE	Q.P.							11645				0				-0.0	56.9	1256.2	530.7
Controllo Fessurazione																			

Verifiche senza calcolo diretto ampiezza fessure

Trave 301 /10 Sez. 13 60x45 60x45 [cm] bordo L_{asse}=3.60 L_{netto}=3.15 q_{medio}=8808.5 [kg/m] (VALORE CARATTERISTICO)

310	SLU	0.25	26.55	0.00	10.11			26542	35646	0.74	0.24	-12502	13696	0.91	0.13				
SLE	Rare							6280				0				-0.0	30.7	677.5	286.2
SLE	Freq							5691				0				-0.0	27.8	614.0	259.4

[illegible]

Verifiche senza calcolo diretto ampiezza fessure

VERIFICHE A TAGLIO Trave 301 302 Sez. 13 60x45 60x45 [cm] bordo L_{asse} 4.30 L_{netto} 3.80 [m]

Da [m]	A [m]	Dx [m]	VSD [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.72	0.47	30760.8	12151.3	100836.9	41713.4	ø 12 2br. 7.5'
0.72	1.23	0.51	23521.2	12459.9	131959.3	32550.8	Tr.ø 14 2br. 25.0'
1.23	3.07	1.84	18720.4	12797.9	131959.3	23914.9	Tr.ø 12 2br. 25.0'
3.07	3.58	0.51	23978.7	12094.5	131959.3	32550.8	Tr.ø 14 2br. 25.0'
3.58	4.05	0.47	31090.3	11577.3	100836.9	41713.4	ø 12 2br. 7.5'

VERIFICHE A TAGLIO Trave 302 303 Sez. 13 60x45 60x45 [cm] bordo L_{asse} 4.80 L_{netto} 4.30 [m]

Da [m]	A [m]	Dx [m]	VSD [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.66	0.41	31401.0	11577.3	100836.9	41713.4	ø 12 2br. 7.5'
0.66	1.33	0.66	24713.2	12031.4	131959.3	32550.8	Tr.ø 14 2br. 25.0'
1.33	3.48	2.15	15425.8	12813.8	131959.3	23914.9	Tr.ø 12 2br. 25.0'
3.48	4.14	0.66	21659.7	12031.4	131959.3	32550.8	Tr.ø 14 2br. 25.0'
4.14	4.55	0.41	26851.5	11577.3	100836.9	41713.4	ø 12 2br. 7.5'

VERIFICHE A TAGLIO Trave 303 304 Sez. 13 60x45 60x45 [cm] bordo L_{asse} 4.80 L_{netta} 4.30 [m]

Da [m]	A [m]	Dx [m]	V _{Sd} [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.65	0.40	27582.5	11577.3	100836.9	31285.1	ø 12 2br. 10.0'
0.65	1.48	0.83	22564.7	12015.3	131959.3	23914.9	Tr.ø 12 2br. 25.0'
1.48	3.32	1.84	14164.8	12837.6	131959.3	16607.6	Tr.ø 10 2br. 25.0'
3.32	4.15	0.83	21849.6	12015.3	131959.3	23914.9	Tr.ø 12 2br. 25.0'
4.15	4.55	0.40	26867.4	11577.3	100836.9	31285.1	ø 12 2br. 10.0'

VERIFICHE A TAGLIO Trave 304 305 Sez. 13 60x45 60x45 [cm] bordo L_{asse} 4.80 L_{netta} 4.30 [m]

Da [m]	A [m]	Dx [m]	V _{Sd} [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.65	0.40	27244.8	11577.3	100836.9	31285.1	ø 12 2br. 10.0'
0.65	1.49	0.84	22238.6	12014.2	131959.3	23914.9	Tr.ø 12 2br. 25.0'
1.49	3.31	1.82	13917.9	12837.6	131959.3	16607.6	Tr.ø 10 2br. 25.0'
3.31	4.15	0.84	22216.0	12014.2	131959.3	23914.9	Tr.ø 12 2br. 25.0'
4.15	4.55	0.40	27222.3	11577.3	100836.9	31285.1	ø 12 2br. 10.0'

VERIFICHE A TAGLIO Trave 305 306 Sez. 13 60x45 60x45 [cm] bordo L_{asse} 4.80 L_{netta} 4.30 [m]

Da [m]	A [m]	Dx [m]	V _{Sd} [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.65	0.40	27592.0	11577.3	100836.9	31285.1	ø 12 2br. 10.0'
0.65	1.50	0.85	22574.2	12015.3	131959.3	23914.9	Tr.ø 12 2br. 25.0'
1.50	3.30	1.80	14022.2	12837.6	131959.3	16607.6	Tr.ø 10 2br. 25.0'
3.30	4.15	0.85	21851.8	12015.3	131959.3	23914.9	Tr.ø 12 2br. 25.0'
4.15	4.55	0.40	26869.6	11577.3	100836.9	31285.1	ø 12 2br. 10.0'

VERIFICHE A TAGLIO Trave 306 307 Sez. 13 60x45 60x45 [cm] bordo L_{asse} 4.80 L_{netta} 4.30 [m]

Da [m]	A [m]	Dx [m]	V _{Sd} [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.65	0.40	27238.4	11577.3	100836.9	31285.1	ø 12 2br. 10.0'
0.65	1.50	0.85	22220.6	12015.3	131959.3	23914.9	Tr.ø 12 2br. 25.0'

1.50	3.30	1.80	13807.2	12837.6	131959.3	16607.6	Tr.ø 10 2br. 25.0'
3.30	4.15	0.85	22207.0	12015.3	131959.3	23914.9	Tr.ø 12 2br. 25.0'
4.15	4.55	0.40	27224.8	11577.3	100836.9	31285.1	ø 12 2br. 10.0'

VERIFICHE A TAGLIO Trave 307 308 Sez. 13 60x45 60x45 [cm] bordo L_{asse} 4.80 L_{netta} 4.30 [m]

Da [m]	A [m]	Dx [m]	VSD [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.75	0.50	27588.1	11577.3	100836.9	31285.1	ø 12 2br. 10.0'
0.75	1.39	0.65	21315.9	12131.1	131959.3	23914.9	Tr.ø 12 2br. 25.0'
1.39	3.41	2.02	14845.3	12835.6	131959.3	16607.6	Tr.ø 10 2br. 25.0'
3.41	4.05	0.65	20605.6	12131.1	131959.3	23914.9	Tr.ø 12 2br. 25.0'
4.05	4.55	0.50	26877.8	11577.3	100836.9	31285.1	ø 12 2br. 10.0'

VERIFICHE A TAGLIO Trave 308 309 Sez. 13 60x45 60x45 [cm] bordo L_{asse} 4.80 L_{netta} 4.30 [m]

Da [m]	A [m]	Dx [m]	VSD [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.77	0.52	27571.3	11577.3	100836.9	31285.1	ø 12 2br. 10.0'
0.77	1.39	0.62	21063.1	12152.9	131959.3	23914.9	Tr.ø 12 2br. 25.0'
1.39	3.41	2.02	14746.0	12835.0	131959.3	16607.6	Tr.ø 10 2br. 25.0'
3.41	4.03	0.62	20420.2	12152.9	131959.3	23914.9	Tr.ø 12 2br. 25.0'
4.03	4.55	0.52	26928.4	11577.3	100836.9	31285.1	ø 12 2br. 10.0'

VERIFICHE A TAGLIO Trave 309 310 Sez. 13 60x45 60x45 [cm] bordo L_{asse} 4.80 L_{netta} 4.30 [m]

Da [m]	A [m]	Dx [m]	VSD [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.75	0.50	26192.7	11577.3	100836.9	31285.1	ø 12 2br. 10.0'
0.75	1.57	0.82	20167.0	12131.1	131959.3	23914.9	Tr.ø 12 2br. 25.0'
1.57	3.23	1.66	15290.0	12837.6	131959.3	16607.6	Tr.ø 10 2br. 25.0'
3.23	4.05	0.82	22173.8	12267.2	131959.3	23914.9	Tr.ø 12 2br. 25.0'
4.05	4.55	0.50	28446.1	11936.0	100836.9	31285.1	ø 12 2br. 10.0'

VERIFICHE A TAGLIO Trave 310 311 Sez. 13 60x45 60x45 [cm] bordo L_{asse} 3.60 L_{netta} 3.15 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.76	0.51	22905.2	11936.0	100836.9	31285.1	ø 12 2br. 10.0'
0.76	1.43	0.67	19061.7	12229.0	131959.3	23914.9	Tr.ø 12 2br. 25.0'
1.43	2.22	0.79	13937.2	12668.1	131959.3	16607.6	Tr.ø 10 2br. 25.0'
2.22	2.89	0.67	18917.7	12124.0	131959.3	23914.9	Tr.ø 12 2br. 25.0'
2.89	3.40	0.51	22761.1	11921.7	100836.9	31285.1	ø 12 2br. 10.0'

SLE	Q.P.					11902.0	-7833	0			-8049				30.0	-0.0	298.5	898.7	
314	SLU	3.10	33.00	0.00	19.57			42405	44897	0.94	0.21	-18273	26218	0.70	0.15				
SLE	Rare							11746				0			-0.0	39.4	1011.6	342.8	
SLE	Freq							10441				0			-0.0	35.1	899.1	304.7	
SLE	Q.P.							10006				0			-0.0	33.6	861.7	292.0	
Controllo Fessurazione																			

Verifiche senza calcolo diretto ampiezza fessure

Trave 302/3 Sez. 5 45x45 45x45 [cm] L_{asse}3.63 L_{netto}2.88 q_{medio}7509.7 [kg/m] (VALORE CARATTERISTICO)

314	SLU	0.15	21.24	0.00	13.90			22738	28682	0.79	0.23	-10323	18547	0.56	0.16				
SLE	Rare							6162				0			-0.0	35.8	825.4	332.5	
SLE	Freq							5516				0			-0.0	32.0	738.8	297.6	
SLE	Q.P.							5320				0			-0.0	30.9	712.5	287.0	
CAM	SLU	1.59	7.63	0.00	12.57	10813.8	-8906	0	10943	0.00	0.13	-12030	17506	0.69	0.17				
SLE	Rare					7509.7	-6185	0				-8355			61.2	-0.0	636.4	1851.0	
SLE	Freq					6609.3	-5443	0				-7414			54.3	-0.0	564.7	1642.5	
SLE	Q.P.					6309.1	-5196	0				-7140			52.3	-0.0	543.8	1581.7	
315	SLU	3.03	15.21	0.00	12.46			12177	21020	0.58	0.20	-12400	16723	0.74	0.16				
SLE	Rare							0				-3063			20.9	-0.0	206.6	705.1	
SLE	Freq							0				-2752			18.8	-0.0	185.6	633.4	
SLE	Q.P.							0				-2657			18.2	-0.0	179.2	611.6	

Verifiche senza calcolo diretto ampiezza fessure

Trave 302/4 Sez. 5 45x45 45x45 [cm] L_{asse}2.73 L_{netto}1.98 q_{medio}7509.7 [kg/m] (VALORE CARATTERISTICO)

315	SLU	0.60	15.21	0.00	12.56			13157	21019	0.63	0.20	-13971	16859	0.83	0.16			
SLE	Rare							0				-2747			18.7	-0.0	185.1	627.2
SLE	Freq							0				-2448			16.7	-0.0	164.9	559.0
SLE	Q.P.							0				-2350			16.0	-0.0	158.3	536.5
CAM	SLU	1.59	12.59	0.00	12.66	10813.8	-5019	3557	17674	0.20	0.16	-7992	17606	0.45	0.16			
SLE	Rare					7509.7	-3485	0				-3906			26.3	-0.0	267.3	857.3

SLE	Freq				6609.3	-3067	0		-3434			23.1	-0.0	234.9	753.6
SLE	Q.P.				6309.1	-2928	0		-3276			22.1	-0.0	224.1	718.9
316	SLU	2.58	18.10	0.00	14.00		22252	24715	0.90	0.21	18708	0.83	0.16		
SLE	Rare						3554		0			-0.0	21.6	553.4	192.7
SLE	Freq						3182		0			-0.0	19.3	495.4	172.5
SLE	Q.P.						3064		0			-0.0	18.6	477.2	166.1
Controllo Fessurazione															

Verifiche senza calcolo diretto ampiezza fessure

Trave 302/5 Sez. 7 90x45 90x45 [cm] / L_{asse} 4.80 L_{netto} 4.35 q_{medio} 8016.0 [kg/m] (VALORE CARATTERISTICO)

316	SLU	0.15	29.86	0.00	19.46		36986	40944	0.90	0.20	26103	0.50	0.15		
SLE	Rare						12587		0			-0.0	43.6	1187.8	368.3
SLE	Freq						11195		0			-0.0	38.8	1056.5	327.6
SLE	Q.P.						10772		0			-0.0	37.3	1016.5	315.2
CAM	SLU	2.32	15.21	0.00	25.13		0	21687	0.00	0.13	34953	0.47	0.17		
SLE	Rare						8016.0	-11543			-11483	42.3	-0.0	430.4	1273.8
SLE	Freq						7115.5	-10246			-10193	37.5	-0.0	382.0	1130.7
SLE	Q.P.						6815.4	-9814			-9763	35.9	-0.0	365.9	1083.0
317	SLU	4.50	36.19	0.00	15.64		34329	49015	0.70	0.23	21116	0.96	0.13		
SLE	Rare						5898		0			-0.0	19.7	463.5	177.6
SLE	Freq						5191		0			-0.0	17.3	407.9	156.3
SLE	Q.P.						4903		0			-0.0	16.4	385.3	147.6
Controllo Fessurazione															

Verifiche senza calcolo diretto ampiezza fessure

Trave 302/6 Sez. 7 90x45 90x45 [cm] / L_{asse} 4.80 L_{netto} 4.20 q_{medio} 14155.0 [kg/m] (VALORE CARATTERISTICO)

317	SLU	0.30	36.19	0.00	15.64		43682	48674	0.90	0.23	20994	0.61	0.14		
SLE	Rare						15559		0			-0.0	52.5	1230.4	463.3
SLE	Freq						13721		0			-0.0	46.3	1085.1	408.5
SLE	Q.P.						13104		0			-0.0	44.2	1036.2	390.1
CAM	SLU	2.40	15.21	0.00	25.13		0	21576	0.00	0.14	34712	0.85	0.18		

SLE	Rare	14155.0	-20383	0	-20383	75.9	-0.0	755.9	2276.0
SLE	Freq	12465.2	-17950	0	-17950	66.9	-0.0	665.7	2004.3
SLE	Q.P.	11902.0	-17139	0	-17139	63.9	-0.0	635.6	1913.8
318	SLU	4.50	36.19	0.00	15.64	0.14			
SLE	Rare	17902	48674	0.94	0.23	20994	0.52	0.14	
SLE	Freq	15746	17902	0	0	-0.0	60.4	1415.7	533.0
SLE	Q.P.	15026	15746	0	0	-0.0	53.2	1245.2	468.8
SLE	Q.P.					-0.0	50.7	1188.2	447.4

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 302 / 7 Sez. 7 90x45 90x45 / cm / L_{asse} 4.80 L_{netto} 4.20 q_{medio} 14155.0 [kg/m] (VALORE CARATTERISTICO)

318	SLU	0.30	36.19	0.00	15.64	45336	48674	0.93	0.23	-10938	20994	0.52	0.14				
SLE	Rare					17772				0				-0.0	60.0	1405.4	529.1
SLE	Freq					15619				0				-0.0	52.7	1235.1	465.0
SLE	Q.P.					14900				0				-0.0	50.3	1178.3	443.6
CAM	SLU	2.40	15.21	0.00	25.13	0	21576	0.00	0.14	-29348	34712	0.85	0.18				
SLE	Rare					0				-20383				75.9	-0.0	755.9	2276.0
SLE	Freq					0				-17950				66.9	-0.0	665.7	2004.3
SLE	Q.P.					0				-17139				63.9	-0.0	635.6	1913.8
319	SLU	4.50	36.19	0.00	15.64	45627	48674	0.94	0.23	-10705	20994	0.51	0.14				
SLE	Rare					17885				0				-0.0	60.4	1414.4	532.5
SLE	Freq					15792				0				-0.0	53.3	1248.8	470.2
SLE	Q.P.					15094				0				-0.0	51.0	1193.7	449.4

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 302/8 Sez. 7 90x45 90x45 [cm] / L_{asse} 4.80 L_{netto} 4.20 q_{medio} 14155.0 [kg/m] (VALORE CARATTERISTICO)

319	SLU	0.30	36.19	0.00	15.64	46412	48674	0.95	0.23	-10105	20994	0.48	0.14			
SLE	Rare					18737			0				-0.0	63.3	1481.8	557.9
SLE	Freq					16575			0				-0.0	56.0	1310.8	493.5
SLE	Q.P.					15856			0				-0.0	53.5	1253.9	472.1

CAM	SLU	2.40	15.21	0.00	25.13	20380.2	-29348	0	21576	0.00	0.14	-29348	34712	0.85	0.18				
SLE	Rare					14155.0	-20383	0				-20383				75.9	-0.0	755.9	2276.0
SLE	Freq					12465.2	-17950	0				-17950				66.9	-0.0	665.7	2004.3
SLE	Q.P.					11902.0	-17139	0				-17139				63.9	-0.0	635.6	1913.8
320	SLU	4.50	36.19	0.00	15.64			44507	48674	0.91	0.23	-11673	20994	0.56	0.14				
SLE	Rare							16820				0				-0.0	56.8	1330.2	500.8
SLE	Freq							14743				0				-0.0	49.8	1165.9	438.9
SLE	Q.P.							14049				0				-0.0	47.4	1111.0	418.3

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 302 /9 Sez. 7 90x45 90x45 [cm] L_{asse} 4.80 L_{netto} 4.20 q_{medio} 14155.0 [kg/m] (VALORE CARATTERISTICO)

320	SLU	0.30	36.19	0.00	15.64			45723	48674	0.94	0.23	-10698	20994	0.51	0.14				
SLE	Rare							18109				0				-0.0	61.1	1432.1	539.2
SLE	Freq							15941				0				-0.0	53.8	1260.6	474.6
SLE	Q.P.							15218				0				-0.0	51.4	1203.5	453.1

CAM	SLU	2.40	15.21	0.00	25.13	20380.3	-29348	0	21576	0.00	0.14	-29348	34712	0.85	0.18				
SLE	Rare					14155.0	-20383	0				-20383				75.9	-0.0	755.9	2276.0
SLE	Freq					12465.3	-17950	0				-17950				66.9	-0.0	665.7	2004.3
SLE	Q.P.					11902.0	-17139	0				-17139				63.9	-0.0	635.6	1913.8

321	SLU	4.50	36.19	0.00	15.64			45068	48674	0.93	0.23	-11340	20994	0.54	0.14				
SLE	Rare							17219				0				-0.0	58.1	1361.7	512.7
SLE	Freq							15192				0				-0.0	51.3	1201.4	452.3
SLE	Q.P.							14510				0				-0.0	49.0	1147.5	432.0

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 302 /10 Sez. 7 90x45 90x45 [cm] L_{asse} 4.80 L_{netto} 4.20 q_{medio} 14155.0 [kg/m] (VALORE CARATTERISTICO)

321	SLU	0.30	36.19	0.00	15.64			44700	48674	0.92	0.23	-11326	20994	0.54	0.14				
SLE	Rare							16944				0				-0.0	57.2	1340.0	504.5
SLE	Freq							15079				0				-0.0	50.9	1192.5	449.0

SLE	Q.P.																		
CAM	SLU	2.40	15.21	0.00	25.13	20380.3	-29348	0	21576	0.00	0.14	-29348	34712	0.85	0.18	-0.0	48.6	1139.5	429.0
SLE	Rare					14155.0	-20383	0				-20383				75.9	-0.0	755.9	2276.0
SLE	Freq					12465.3	-17950	0				-17950				66.9	-0.0	665.7	2004.3
SLE	Q.P.					11902.0	-17139	0				-17139				63.9	-0.0	635.6	1913.8
322	SLU	4.50	36.19	0.00	15.64			45086	48674	0.93	0.23	-11643	20994	0.55	0.14				
SLE	Rare							17330				0				-0.0	58.5	1370.5	516.0
SLE	Freq							15059				0				-0.0	50.8	1190.9	448.4
SLE	Q.P.							14348				0				-0.0	48.4	1134.7	427.2

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 302 /11 Sez. 7 90x45 90x45 [cm] L_{asse}3.60 L_{netta}3.10 q_{medio}14155.0 [kg/m] (VALORE CARATTERISTICO)

322	SLE	SLU	0.30	36.19	0.00	15.64	37958	49015	0.77	0.23	-16611	21116	0.79	0.13				
	SLE	Rare					9143				0				-0.0	30.5	718.5	275.2
	SLE	Freq					8120				0				-0.0	27.1	638.1	244.4
	SLE	Q.P.					7767				0				-0.0	25.9	610.4	233.8
CAM	SLU	SLU	1.85	15.21	0.00	25.13	0	21687	0.00	0.13	-17700	34953	0.51	0.17				
	SLE	Rare					0				-12225				45.0	-0.0	458.2	1356.0
	SLE	Freq					0				-10472				38.5	-0.0	392.5	1161.7
	SLE	Q.P.					0				-9886				36.4	-0.0	370.5	1096.7
323	SLU	SLU	3.40	26.61	0.00	17.72	32824	36853	0.89	0.19	-16032	23869	0.67	0.14				
	SLE	Rare					7437				0				-0.0	27.0	781.7	221.3
	SLE	Freq					6285				0				-0.0	22.8	660.6	187.0
	SLE	Q.P.					5917				0				-0.0	21.5	621.9	176.1

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

VERIFICHE A TAGLIO Trave 312 313 Sez. 7 90x45 90x45 [cm] L_{asse} 4.30 L_{netta} 3.75 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.71	0.46	36867.6	18449.3	151255.3	41713.4	ø 12 2br. 7.5'
0.71	1.47	0.76	29588.9	18963.7	197939.0	42515.4	Tr.ø 16 2br. 25.0'
1.47	2.78	1.32	22900.9	19318.8	197939.0	32550.8	Tr.ø 14 2br. 25.0'
2.78	3.54	0.76	31968.8	18694.6	197939.0	42515.4	Tr.ø 16 2br. 25.0'
3.54	4.00	0.46	39707.9	18220.2	151255.3	41713.4	ø 12 2br. 7.5'

VERIFICHE A TAGLIO Trave 313 314 Sez. 7 90x45 90x45 [cm] L_{asse} 3.25 L_{netta} 2.80 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.30	0.77	0.47	29301.8	18215.8	151255.3	41713.4	ø 12 2br. 7.5'
0.77	1.28	0.50	23659.5	18720.4	197939.0	42515.4	Tr.ø 16 2br. 25.0'
1.28	2.12	0.84	25132.1	19242.1	197939.0	32550.8	Tr.ø 14 2br. 25.0'
2.12	2.62	0.50	31127.0	19123.6	197939.0	42515.4	Tr.ø 16 2br. 25.0'
2.62	3.10	0.47	36769.4	18528.6	151255.3	41713.4	ø 12 2br. 7.5'

VERIFICHE A TAGLIO Trave 314 315 Sez. 5 45x45 45x45 [cm] L_{asse} 3.63 L_{netta} 2.88 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.15	0.56	0.41	23255.1	9756.8	75627.6	28967.7	ø 10 2br. 7.5'
0.56	2.62	2.06	19047.6	9467.6	98969.5	23914.9	Tr.ø 12 2br. 25.0'
2.62	3.03	0.41	17051.5	9552.6	75627.6	28967.7	ø 10 2br. 7.5'

VERIFICHE A TAGLIO Trave 315 316 Sez. 5 45x45 45x45 [cm] L_{asse} 2.73 L_{netta} 1.98 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.60	1.01	0.41	18495.9	9571.8	75627.6	28967.7	ø 10 2br. 7.5'
1.01	2.16	1.15	19510.8	9488.4	98969.5	23914.9	Tr.ø 12 2br. 25.0'
2.16	2.58	0.41	22103.8	9775.9	75627.6	28967.7	ø 10 2br. 7.5'

VERIFICHE A TAGLIO Trave 316 317 Sez. 7 90x45 90x45 [cm] L_{asse} 4.80 L_{netta} 4.35 [m]

Da [m]	A [m]	Dx [m]	VSD [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.15	0.61	0.46	27565.9	18513.9	151255.3	41713.4	ø 12 2br. 7.5'
0.61	1.29	0.69	23888.5	19097.6	197939.0	32550.8	Tr-ø 14 2br. 25.0'
1.29	3.36	2.07	19218.1	19318.8	197939.0	23914.9	Tr-ø 12 2br. 25.0'
3.36	4.04	0.69	21300.9	18447.6	197939.0	32550.8	Tr-ø 14 2br. 25.0'
4.04	4.50	0.46	24414.5	17971.3	151255.3	41713.4	ø 12 2br. 7.5'

VERIFICHE A TAGLIO Trave 317 318 Sez. 7 90x45 90x45 [cm] L_{asse} 4.80 L_{netta} 4.20 [m]

Da [m]	A [m]	Dx [m]	VSD [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.30	0.77	0.47	42031.8	17971.3	151255.3	56776.6	ø 14 2br. 7.5'
0.77	1.47	0.70	32543.4	18457.4	197939.0	42515.4	Tr-ø 16 2br. 25.0'
1.47	3.33	1.86	22683.7	19318.8	197939.0	32550.8	Tr-ø 14 2br. 25.0'
3.33	4.03	0.70	34135.1	18457.4	197939.0	42515.4	Tr-ø 16 2br. 25.0'
4.03	4.50	0.47	43623.5	17971.3	151255.3	56776.6	ø 14 2br. 7.5'

VERIFICHE A TAGLIO Trave 318 319 Sez. 7 90x45 90x45 [cm] L_{asse} 4.80 L_{netta} 4.20 [m]

Da [m]	A [m]	Dx [m]	VSD [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.30	0.80	0.50	42802.2	17971.3	151255.3	56776.6	ø 14 2br. 7.5'
0.80	1.47	0.67	32708.2	18490.7	197939.0	42515.4	Tr-ø 16 2br. 25.0'
1.47	3.33	1.86	22247.3	19318.8	197939.0	32550.8	Tr-ø 14 2br. 25.0'
3.33	4.00	0.67	32776.1	18490.7	197939.0	42515.4	Tr-ø 16 2br. 25.0'
4.00	4.50	0.50	42870.1	17971.3	151255.3	56776.6	ø 14 2br. 7.5'

VERIFICHE A TAGLIO Trave 319 320 Sez. 7 90x45 90x45 [cm] L_{asse} 4.80 L_{netta} 4.20 [m]

Da [m]	A [m]	Dx [m]	VSD [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.30	0.75	0.45	43482.5	17971.3	151255.3	56776.6	ø 14 2br. 7.5'
0.75	1.49	0.74	34397.9	18435.2	197939.0	42515.4	Tr-ø 16 2br. 25.0'
1.49	3.31	1.82	22373.2	19318.8	197939.0	32550.8	Tr-ø 14 2br. 25.0'
3.31	4.05	0.74	33106.9	18435.2	197939.0	42515.4	Tr-ø 16 2br. 25.0'

4.05 4.50 0.45 42191.5 17971.3 151255.3 56776.6 ø 14 2br. 7.5'

VERIFICHE A TAGLIO Trave 320 321 Sez. 7 90x45 90x45 [cm] L_{asse} 4.80 L_{netta} 4.20 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.30	0.79	0.49	43159.9	17971.3	151255.3	56776.6	ø 14 2br. 7.5'
0.79	1.47	0.68	33267.7	18479.6	197939.0	42515.4	Tr.ø 16 2br. 25.0'
1.47	3.33	1.86	22365.7	19318.8	197939.0	32550.8	Tr.ø 14 2br. 25.0'
3.33	4.01	0.68	32642.6	18479.6	197939.0	42515.4	Tr.ø 16 2br. 25.0'
4.01	4.50	0.49	42534.7	17971.3	151255.3	56776.6	ø 14 2br. 7.5'

VERIFICHE A TAGLIO Trave 321 322 Sez. 7 90x45 90x45 [cm] L_{asse} 4.80 L_{netta} 4.20 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.30	0.77	0.47	42716.1	17971.3	151255.3	56776.6	ø 14 2br. 7.5'
0.77	1.49	0.72	33227.7	18457.4	197939.0	42515.4	Tr.ø 16 2br. 25.0'
1.49	3.31	1.82	21883.8	19318.8	197939.0	32550.8	Tr.ø 14 2br. 25.0'
3.31	4.03	0.72	33531.0	18457.4	197939.0	42515.4	Tr.ø 16 2br. 25.0'
4.03	4.50	0.47	43019.3	17971.3	151255.3	56776.6	ø 14 2br. 7.5'

VERIFICHE A TAGLIO Trave 322 323 Sez. 7 90x45 90x45 [cm] L_{asse} 3.60 L_{netta} 3.10 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.30	0.82	0.52	36315.0	17971.3	151255.3	41713.4	ø 12 2br. 7.5'
0.82	1.39	0.56	28153.2	18524.0	197939.0	32550.8	Tr.ø 14 2br. 25.0'
1.39	2.31	0.92	20858.3	19318.8	197939.0	23914.9	Tr.ø 12 2br. 25.0'
2.31	2.88	0.56	26948.9	18819.9	197939.0	32550.8	Tr.ø 14 2br. 25.0'
2.88	3.40	0.52	34800.2	18267.3	151255.3	41713.4	ø 12 2br. 7.5'

Nodo	x [m]	Afe [cm²]	Afi [cm²]	q ^{II} [kg/m]	Md _{par} [kgm]	Mde [kgm]	Mre [kgm]	Mde Mre x/d	Mdi [kgm]	Mri [kgm]	Mdi Mri x/d	σ _{de} [kg/cm²]	σ _{di} [kg/cm²]	σ _{re} [kg/cm²]	σ _{ri} [kg/cm²]
Trave 305 /1 Sez. 8 70x45 70x45 [cm] L _{asse} 8.77 L _{netta} 8.27 q _{medio} 4147.5 [kg/m] (VALORE CARATTERISTICO)															
317	SLU 0.25	22.81	0.00	9.10	27658	31417	0.88	0.21 0	12465	0.00	0.12				
SLE	Rare				17178	0		0				-0.0	80.7	2116.0	704.1
SLE	Freq				15386	0		0				-0.0	72.3	1895.2	630.6
SLE	Q.P.				14788	0		0				-0.0	69.5	1821.5	606.1
CAM	SLU 4.38	11.40	0.00	30.41	5950.5	-28604	0	16344 0.00	41649	0.71	0.22				
SLE	Rare				4147.5	-19937	0	-20578				84.5	-0.0	944.6	1918.4
SLE	Freq				3715.5	-17861	0	-18436				75.7	-0.0	846.3	1718.7
SLE	Q.P.				3571.5	-17168	0	-17722				72.8	-0.0	813.5	1652.1
329	SLU 8.52	22.81	0.00	9.10	27429	31417	0.87	0.21 0	12465	0.00	0.12				
SLE	Rare				17024	0		0				-0.0	80.0	2096.9	697.7
SLE	Freq				15251	0		0				-0.0	71.7	1878.6	625.1
SLE	Q.P.				14659	0		0				-0.0	68.9	1805.7	600.8
Controllo Fessurazione															

Verifiche senza calcolo diretto ampiezza fessure

VERIFICHE A TAGLIO Trave 317 329 Sez. 8 70x45 70x45 [cm] L_{asse} 8.77 L_{netta} 8.27 [m]

Da [m]	A [m]	Dx [m]	V _{Sd} [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.86	0.61	24632.5	13542.7	117643.0	31285.1	ø 12 2br. 10.0'
0.86	2.37	1.51	21031.8	14862.7	153952.6	23914.9	Tr.ø 12 2br. 25.0'
2.37	6.40	4.03	12029.8	16567.7	153952.6	16607.6	Tr.ø 10 2br. 25.0'
6.40	7.91	1.51	20977.7	14862.7	153952.6	23914.9	Tr.ø 12 2br. 25.0'
7.91	8.52	0.61	24578.5	13542.7	117643.0	31285.1	ø 12 2br. 10.0'

Nodo	x [m]	Afe [cm²]	Afe ₁ [cm²]	Afi [cm²]	q ^{II} [kg/m]	Md _{par} [kgm]	Mde [kgm]	Mre [kgm]	Mde Mre	x/d	Mdi [kgm]	Mri [kgm]	σ _{de} [kg/cm²]	σ _{bi} [kg/cm²]	σ _{re} [kg/cm²]	σ _n [kg/cm²]
Trave 306/1 Sez. 17 80x45 80x45 [cm]/L _{asse} 10.01 L _{netto} 9.56 q _{medio} 2801.0 [kg/m] (VALORE CARATTERISTICO)																
301	SLU	0.20	26.61	0.00	15.54		24732	36332	0.68	0.21	0	20743	0.00	0.14		
	SLE	Rare				15430				0			-0.0	61.5	1641.3	504.5
	SLE	Freq				15360				0			-0.0	61.2	1633.9	502.2
	SLE	Q.P.				15338				0			-0.0	61.1	1631.5	501.5
CAM	SLU	4.98	18.10	0.00	45.24	3921.5	-24534	0	25377	0.00	0.14	-24514	60650	0.40	0.25	
	SLE	Rare				2801.0	-17524	0			-17510		56.5	-0.0	632.1	1117.3
	SLE	Freq				2801.0	-17524	0			-17510		56.5	-0.0	632.1	1117.3
	SLE	Q.P.				2801.0	-17524	0			-17510		56.5	-0.0	632.1	1117.3
312	SLU	9.76	36.19	0.00	15.17		29884	48249	0.62	0.25	0	20224	0.00	0.14		
	SLE	Rare				19973				0			-0.0	72.5	1588.9	650.6
	SLE	Freq				20003				0			-0.0	72.6	1591.2	651.6
	SLE	Q.P.				20001				0			-0.0	72.6	1591.1	651.5

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 306/2 Sez. 17 80x45 80x45 [cm]/L_{asse}8.77 L_{netto}8.27 q_{medio}2300.0 [kg/m] (VALORE CARATTERISTICO)

312	SLU	0.25	36.19	0.00	15.17		24221	48603	0.50	0.24	0	20349	0.00	0.14		
	SLE	Rare				13734				0			-0.0	49.3	1085.6	451.8
	SLE	Freq				13706				0			-0.0	49.2	1083.3	450.8
	SLE	Q.P.				13696				0			-0.0	49.2	1082.6	450.5
CAM	SLU	4.39	18.10	0.00	36.19	3220.0	-15479	0	25400	0.00	0.15	-15479	49089	0.32	0.22	
	SLE	Rare				2300.0	-11056	0			-11056		38.0	-0.0	412.0	872.2
	SLE	Freq				2300.0	-11056	0			-11056		38.0	-0.0	412.0	872.2
	SLE	Q.P.				2300.0	-11056	0			-11056		38.0	-0.0	412.0	872.2
324	SLU	8.52	36.19	0.00	15.17		23713	48603	0.49	0.24	0	20349	0.00	0.14		
	SLE	Rare				13208				0			-0.0	47.4	1044.0	434.5
	SLE	Freq				13222				0			-0.0	47.5	1045.1	434.9

SLE	Q.P.	13219	0	-0.0	47.4	1044.9	434.8
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Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 306 /3 Sez. 17 80x45 80x45 [cm]/ L_{asse}10.00 L_{netta}9.55 q_{medio}2801.0 [kg/m] (VALORE CARATTERISTICO)

324	SLU	0.25	36.19	0.00	15.17	30521	48249	0.63	0.25	0	20223	0.00	0.14				
SLE	Rare					20411				0				-0.0	74.1	1623.7	664.9
SLE	Freq					20418				0				-0.0	74.1	1624.3	665.1
SLE	Q.P.					20418				0				-0.0	74.1	1624.3	665.1
CAM	SLU	5.03	18.10	0.00	45.24	3921.5	-24534	0	25377	0.00	0.14	-24514	60650	0.40	0.25		
SLE	Rare					2801.0	-17524	0				-17510		56.5	-0.0	632.1	1117.3
SLE	Freq					2801.0	-17524	0				-17510		56.5	-0.0	632.1	1117.3
SLE	Q.P.					2801.0	-17524	0				-17510		56.5	-0.0	632.1	1117.3
336	SLU	9.80	26.61	0.00	15.54	24316	36332	0.67	0.21	0	20743	0.00	0.14				
SLE	Rare					14917				0				-0.0	59.4	1586.7	487.7
SLE	Freq					14906				0				-0.0	59.4	1585.6	487.3
SLE	Q.P.					14904				0				-0.0	59.4	1585.3	487.3

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

VERIFICHE A TAGLIO Trave 301 312 Sez. 17 80x45 80x45 [cm] L_{asse} 10.01 L_{netta} 9.56 [m]

Da [m]	A [m]	Dx [m]	V _{Sd} [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.20	0.73	0.53	19276.8	16207.7	134449.1	42582.5	ø 14 2br. 10.0'
0.73	2.59	1.86	15949.9	17588.3	175945.8	42515.4	Tr.ø 16 2br. 25.0'
2.59	7.36	4.77	11279.2	20422.6	175945.8	23914.9	Tr.ø 12 2br. 25.0'
7.36	9.23	1.86	16215.1	17534.4	175945.8	42515.4	Tr.ø 16 2br. 25.0'
9.23	9.76	0.53	17915.5	16153.9	134449.1	42582.5	ø 14 2br. 10.0'

VERIFICHE A TAGLIO Trave 312 324 Sez. 17 80x45 80x45 [cm] L_{asse} 8.77 L_{netta} 8.27 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.76	0.51	13413.0	16153.9	134449.1	31285.1	ø 12 2br. 10.0'
0.76	2.39	1.63	11778.7	16939.3	175945.8	32550.8	Tr.ø 14 2br. 25.0'
2.39	6.38	3.99	6810.1	19138.3	175945.8	23914.9	Tr.ø 12 2br. 25.0'
6.38	8.01	1.63	11594.8	16939.4	175945.8	32550.8	Tr.ø 14 2br. 25.0'
8.01	8.52	0.51	13229.1	16153.9	134449.1	31285.1	ø 12 2br. 10.0'

VERIFICHE A TAGLIO Trave 324 336 Sez. 17 80x45 80x45 [cm] L_{asse} 10.00 L_{netta} 9.55 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.85	0.60	18048.4	16153.9	134449.1	42582.5	ø 14 2br. 10.0'
0.85	2.64	1.79	16123.5	17695.2	175945.8	42515.4	Tr.ø 16 2br. 25.0'
2.64	7.41	4.77	11412.1	20422.6	175945.8	23914.9	Tr.ø 12 2br. 25.0'
7.41	9.21	1.79	15357.5	17749.0	175945.8	42515.4	Tr.ø 16 2br. 25.0'
9.21	9.80	0.60	19123.7	16207.7	134449.1	42582.5	ø 14 2br. 10.0'

Nodo	x [m]	Afe [cm²]	Afe ₁ [cm²]	Afi [cm²]	q ^{II} [kg/m]	Md _{piez} [kgm]	Mde [kgm]	Mre [kgm]	Mde Mre	x/d	Mdi [kgm]	Mri [kgm]	x/d	σ _{bE} [kg/cm²]	σ _{bI} [kg/cm²]	σ _E [kg/cm²]	σ _{II} [kg/cm²]
Trave 307/1 Sez. 11 115x45 115x45 [cm] L _{asse} 10.01 L _{netto} 9.51 q _{medio} 1793.8 [kg/m] (VALORE CARATTERISTICO)																	
311	SLU	0.25	21.99	0.00	15.99	25266	31535	0.80	0.16	-3002	21945	0.14	0.13				
SLE	Rare					11075			0					-0.0	37.5	1371.8	275.3
SLE	Freq					11026			0					-0.0	37.4	1365.7	274.1
SLE	Q.P.					11011			0					-0.0	37.3	1363.8	273.7
CAM	SLU	5.00	19.01	0.00	22.90	2511.3	-15711	0	0.13	-15711	32521	0.48	0.15				
SLE	Rare					1793.8	-11222	0		-11222				35.8	-0.0	348.1	1336.2
SLE	Freq					1793.8	-11222	0		-11222				35.8	-0.0	348.1	1336.2
SLE	Q.P.					1793.8	-11222	0		-11222				35.8	-0.0	348.1	1336.2
323	SLU	9.76	25.13	0.00	13.90	25905	35776	0.72	0.17	-624	19161	0.03	0.12				
SLE	Rare					12801			0					-0.0	41.8	1394.5	325.8
SLE	Freq					12814			0					-0.0	41.8	1396.0	326.1
SLE	Q.P.					12814			0					-0.0	41.8	1395.9	326.1
Controllo Fessurazione																	

Verifiche senza calcolo diretto ampiezza fessure

Trave 307/2 Sez. 11 115x45 115x45 [cm] L _{asse} 8.77 L _{netto} 8.27 q _{medio} 1793.8 [kg/m] (VALORE CARATTERISTICO)																	
323	SLU	0.25	25.13	0.00	13.90	23945	35776	0.67	0.17	-3676	19161	0.19	0.12				
SLE	Rare					9816			0					-0.0	32.0	1069.3	249.8
SLE	Freq					9820			0					-0.0	32.0	1069.8	249.9
SLE	Q.P.					9820			0					-0.0	32.0	1069.8	249.9
CAM	SLU	4.38	19.01	0.00	20.36	2511.3	-12072	0	0.13	-12072	29012	0.42	0.14				
SLE	Rare					1793.8	-8623	0		-8623				28.7	-0.0	271.1	1150.3
SLE	Freq					1793.8	-8623	0		-8623				28.7	-0.0	271.1	1150.3
SLE	Q.P.					1793.8	-8623	0		-8623				28.7	-0.0	271.1	1150.3
335	SLU	8.52	25.13	0.00	13.90	24114	35776	0.67	0.17	-3537	19161	0.18	0.12				
SLE	Rare					9966			0					-0.0	32.5	1085.8	253.6
SLE	Freq					9975			0					-0.0	32.5	1086.7	253.9

SLE Q.P. 9975 0 -0.0 32.5 1086.7 253.9

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 307/3 Sez. 11 115x45 115x45 [cm] L_{asse}10.01 L_{netto}9.51 q_{medio}1793.8 [kg/m] (VALORE CARATTERISTICO)

335	SLU	0.25	25.13	0.00	13.90	25461	35776	0.71	0.17	-721	19161	0.04	0.12				
SLE	Rare					12481				0				-0.0	40.7	1359.8	317.6
SLE	Freq					12511				0				-0.0	40.8	1363.0	318.4
SLE	Q.P.					12511				0				-0.0	40.8	1363.0	318.4
CAM	SLU	5.00	19.01	0.00	22.90	2511.3	-15711	0	27315	0.00	0.13	-15711	32521	0.48	0.15		
SLE	Rare					1793.8	-11222	0				-11222		35.8	-0.0	348.1	1336.2
SLE	Freq					1793.8	-11222	0				-11222		35.8	-0.0	348.1	1336.2
SLE	Q.P.					1793.8	-11222	0				-11222		35.8	-0.0	348.1	1336.2
346	SLU	9.76	21.99	0.00	15.99	25460	31535	0.81	0.16	-2545	21945	0.12	0.13				
SLE	Rare					11463				0				-0.0	38.9	1419.8	285.0
SLE	Freq					11371				0				-0.0	38.6	1408.4	282.7
SLE	Q.P.					11343				0				-0.0	38.5	1404.9	282.0

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

VERIFICHE A TAGLIO Trave 311 323 Sez. 11 115x45 115x45 [cm] L_{asse} 10.01 L_{netto} 9.51 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.85	0.60	11688.8	22396.0	193270.6	28967.7	ø 10 2br. 7.5'
0.85	9.15	8.30	10678.0	22765.7	252922.1	16607.6	Tr.ø 10 2br. 25.0'
9.15	9.76	0.60	12193.5	22100.0	193270.6	28967.7	ø 10 2br. 7.5'

VERIFICHE A TAGLIO Trave 323 335 Sez. 11 115x45 115x45 [cm] L_{asse} 8.77 L_{netto} 8.27 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.86	0.61	10497.0	22100.0	193270.6	28967.7	ø 10 2br. 7.5'
0.86	7.91	7.06	9428.4	22567.9	252922.1	16607.6	Tr.ø 10 2br. 25.0'
7.91	8.52	0.61	10537.5	22100.0	193270.6	28967.7	ø 10 2br. 7.5'

VERIFICHE A TAGLIO Trave 335 346 Sez. 11 115x45 115x45 [cm] L_{asse} 10.01 L_{netta} 9.51 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.85	0.60	12093.1	22100.0	193270.6	28967.7	ø 10 2br. 7.5'
0.85	9.15	8.30	10577.6	22783.0	252922.1	16607.6	Tr.ø 10 2br. 25.0'
9.15	9.76	0.60	11802.5	22396.0	193270.6	28967.7	ø 10 2br. 7.5'

N.B. Nella travata che segue sono incluse le verifiche delle travate:

- 436 437 438 439 440 441 442 443 444 445 446

Nodo	x [m]	Afe [cm²]	Afe ₁ [cm²]	Afi [cm²]	q ^{II} [kg/m]	Md _{plaf} [kgm]	Mde [kgm]	Mre [kgm]	Mde Mre	x/d	Mdi [kgm]	Mri [kgm]	Mdi Mri	x/d	σ _{bs} [kg/cm²]	σ _{bt} [kg/cm²]	σ _{RE} [kg/cm²]	σ _n [kg/cm²]
Trave 401 /1 Sez. 13 60x45 60x45 [cm] bordo L _{ass} 4.30 L _{netto} 3.85 q _{medio} 7908.5 [kg/m] (VALORE CARATTERISTICO)																		
401	SLU	0.25	19.01	0.00	8.72	25833	26229	0.98	0.21	-8346	11896	0.70	0.13					
	SLE	Rare				9019			0	-0.0	49.4	1331.1		-0.0				425.7
	SLE	Freq				7968			0	-0.0	43.7	1175.9		-0.0				376.0
	SLE	Q.P.				7644			0	-0.0	41.9	1128.1		-0.0				360.8
CAM	SLU	2.18	9.42	0.00	16.46	11372.0	-13142	0	0.13	-13116	23122	0.57	0.17					
	SLE	Rare				7908.5	-9139	0		-9122				50.3	-0.0	529.3		1533.3
	SLE	Freq				7008.0	-8099	0		-8083				44.6	-0.0	469.1		1358.7
	SLE	Q.P.				6707.9	-7752	0		-7737				42.7	-0.0	449.0		1300.5
402	SLU	4.10	19.01	0.00	7.58	20459	26229	0.78	0.21	-4775	10401	0.46	0.12					
	SLE	Rare				7800			0	-0.0	43.3	1151.5		-0.0				374.8
	SLE	Freq				6978			0	-0.0	38.7	1030.1		-0.0				335.3
	SLE	Q.P.				6688			0	-0.0	37.1	987.3		-0.0				321.3
Controllo Fessurazione																		

Verifiche senza calcolo diretto ampiezza fessure

Trave 401 /2 Sez. 13 60x45 60x45 [cm] bordo L_{ass}4.80 L_{netto}4.40 q_{medio}8180.4 [kg/m] (VALORE CARATTERISTICO)

402	SLU	0.20	19.01	0.00	7.58	22179	26229	0.85	0.21	-2758	10401	0.27	0.12					
	SLE	Rare				10657			0	-0.0	59.1	1573.2		-0.0				512.0
	SLE	Freq				9438			0	-0.0	52.4	1393.4		-0.0				453.5
	SLE	Q.P.				9027			0	-0.0	50.1	1332.7		-0.0				433.7
CAM	SLU	2.40	9.42	0.00	16.46	11752.7	-16924	0	0.13	-16924	23122	0.73	0.17					
	SLE	Rare				8180.4	-11780	0		-11780				65.0	-0.0	683.6		1980.1
	SLE	Freq				7279.9	-10483	0		-10483				57.8	-0.0	608.3		1762.1

[illegible]

Verifiche senza calcolo diretto ampiezza fessure

Trave 401 /3 Sez. 13 60x45 60x45 [cm] bordo L_{asse} 4.80 L_{netto} 4.40 q_{medio} 8808.5 [kg/m] (VALORE CARATTERISTICO)

403	SLU	0.20	19.01	0.00	7.58	25225	26229	0.96	0.21	-748	10401	0.07	0.12				
SLE	Rare					13261				0				-0.0	73.6	1957.7	637.1
SLE	Freq					11918				0				-0.0	66.1	1759.4	572.6
SLE	Q.P.					11470				0				-0.0	63.6	1693.3	551.1
CAM	SLU	2.40	9.42	0.00	16.46	0	13586	0.00	0.13	-18190	23122	0.79	0.17				
SLE	Rare					0	8808.5	-12684		-12684				70.0	-0.0	736.1	2132.1
SLE	Freq					0	7908.1	-11388		-11388				62.8	-0.0	660.8	1914.2
SLE	Q.P.					0	7607.9	-10955		-10955				60.4	-0.0	635.7	1841.5
404	SLU	4.60	19.01	0.00	7.58	24415	26229	0.93	0.21	-1431	10401	0.14	0.12				
SLE	Rare					12540				0				-0.0	69.6	1851.3	602.5
SLE	Freq					11221				0				-0.0	62.2	1656.5	539.1
SLE	Q.P.					10782				0				-0.0	59.8	1591.7	518.0

Verifiche senza calcolo diretto ampiezza fessure

Trave 401 /4 Sez. 13 60x45 [cm] bordo L_{asse}4.80 L_{netto}4.40 q_{medio}8808.5 [kg/m] (VALORE CARATTERISTICO)

404	SLU	0.20	19.01	0.00	7.58	25106	26229	0.96	0.21	-1102	10401	0.11	0.12		
SLE	Rare					12929				0			-0.0	71.7	1908.7
SLE	Freq					11581				0			-0.0	64.2	1709.7
SLE	Q.P.					11132				0			-0.0	61.8	1643.4
CAM	SLU	2.40	9.42	0.00	16.46	0	12632.0	13586	0.13	-18190	23122	0.79	0.17		
SLE	Rare					0	8808.5			-12684			70.0	-0.0	736.1
										-12684					2132.1

SLE	Freq					7908.0	-11388	0			-11388	62.8	-0.0	660.8	1914.2
SLE	Q.P.					7607.9	-10955	0			-10955	60.4	-0.0	635.7	1841.5
405	SLU	4.60	19.01	0.00	7.58			25348	26229	0.97	0.21	10400	0.08	0.12	
SLE	Rare							13088			0	-0.0	72.6	1932.2	628.8
SLE	Freq							11776			0	-0.0	65.3	1738.4	565.8
SLE	Q.P.							11339			0	-0.0	62.9	1674.0	544.8

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 401/5 Sez. 13 60x45 60x45 [cm] bordo L_{asse} 4.80 L_{metà} 4.40 q_{medio} 8808.5 [kg/m] (VALORE CARATTERISTICO)

405	SLU	0.20	19.01	0.00	7.58			25684	26229	0.98	0.21	10400	0.05	0.12	
SLE	Rare							13512			0	-0.0	75.0	1994.7	649.2
SLE	Freq							12167			0	-0.0	67.5	1796.1	584.6
SLE	Q.P.							11718			0	-0.0	65.0	1729.9	563.0
CAM	SLU	2.40	9.42	0.00	16.46	12632.0	-18190	0	13586	0.00	0.13	23122	0.79	0.17	
SLE	Rare					8808.5	-12684	0			-12684	70.0	-0.0	736.1	2132.1
SLE	Freq					7908.0	-11388	0			-11388	62.8	-0.0	660.8	1914.2
SLE	Q.P.					7607.9	-10955	0			-10955	60.4	-0.0	635.7	1841.5
406	SLU	4.60	19.01	0.00	7.58			24656	26229	0.94	0.21	10400	0.13	0.12	
SLE	Rare							12467			0	-0.0	69.2	1840.5	599.0
SLE	Freq							11154			0	-0.0	61.9	1646.7	535.9
SLE	Q.P.							10718			0	-0.0	59.5	1582.3	515.0

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 401/6 Sez. 13 60x45 60x45 [cm] bordo L_{asse} 4.80 L_{metà} 4.40 q_{medio} 8808.5 [kg/m] (VALORE CARATTERISTICO)

406	SLU	0.20	19.01	0.00	7.58			24988	26229	0.95	0.21	10400	0.10	0.12	
SLE	Rare							12885			0	-0.0	71.5	1902.2	619.1
SLE	Freq							11540			0	-0.0	64.0	1703.6	554.4
SLE	Q.P.							11091			0	-0.0	61.5	1637.4	532.9
CAM	SLU	2.40	9.42	0.00	16.46	12632.0	-18190	0	13586	0.00	0.13	23122	0.79	0.17	

[illegible]

Verifiche senza calcolo diretto ampiezza fessure

Trave 401 / 7 Sez. 13 60x45 60x45 [cm] bordo L_{asse} 4.80 L_{netto} 4.40 q_{medio} 8808.5 [kg/m] (VALORE CARATTERISTICO)

[illegible]

Verifiche senza calcolo diretto ampiezza fessure

Trave 401 / 8 Sez. 13 60x45 [cm] bordo L_{asse} 4.80 L_{netto} 4.40 q_{medio} 8808.5 [kg/m] (VALORE CARATTERISTICO)

408	SLU	0.20	19.01	0.00	7.58	25224	26229	0.96	0.21	-911	10400	0.09	0.12			
SLE	Rare					13197			0				-0.0	73.2	1948.1	634.0
SLE	Freq					11839			0				-0.0	65.7	1747.7	568.8
SLE	Q.P.					11387			0				-0.0	63.2	1681.0	547.1

CAM	SLU	2.40	9.42	0.00	16.46	12632.0	-18190	0	13586	0.00	0.13	-18190	23122	0.79	0.17				
SLE	Rare					8808.5	-12684	0				-12684				70.0	-0.0	736.1	2132.1
SLE	Freq					7908.1	-11388	0				-11388				62.8	-0.0	660.8	1914.2
SLE	Q.P.					7607.9	-10955	0				-10955				60.4	-0.0	635.7	1841.5
409	SLU	4.60	19.01	0.00	7.58			25680	26229	0.98	0.21	-3530	10400	0.34	0.12				
SLE	Rare							12131				0				-0.0	67.3	1790.8	582.8
SLE	Freq							10884				0				-0.0	60.4	1606.7	522.9
SLE	Q.P.							10465				0				-0.0	58.1	1545.0	502.8
Controllo Fessurazione																			

Verifiche senza calcolo diretto ampiezza fessure

Trave 401 /9 Sez. 13 60x45 60x45 [cm] bordo L_{asse}4.80 L_{netto}4.35 q_{medio}8808.5 [kg/m] (VALORE CARATTERISTICO)

409	SLU	0.20	19.01	0.00	7.58			25480	26229	0.97	0.21	-5355	10400	0.51	0.12				
SLE	Rare							10514				0				-0.0	58.3	1552.1	505.1
SLE	Freq							9428				0				-0.0	52.3	1391.8	453.0
SLE	Q.P.							9056				0				-0.0	50.2	1336.9	435.1
CAM	SLU	2.38	9.42	0.00	16.46	12632.0	-18190	0	13586	0.00	0.13	-18159	23122	0.79	0.17				
SLE	Rare					8808.5	-12684	0				-12662				69.8	-0.0	734.8	2128.4
SLE	Freq					7908.0	-11388	0				-11368				62.7	-0.0	659.7	1910.8
SLE	Q.P.					7607.9	-10955	0				-10936				60.3	-0.0	634.6	1838.3
410	SLU	4.55	24.98	0.00	7.58			31224	33761	0.92	0.24	-4531	10394	0.44	0.12				
SLE	Rare							13821				0				-0.0	70.3	1579.3	653.8
SLE	Freq							12447				0				-0.0	63.3	1422.3	588.8
SLE	Q.P.							11998				0				-0.0	61.1	1371.0	567.6

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 401 /10 Sez. 13 60x45 60x45 [cm] bordo L_{asse}3.60 L_{netto}3.15 q_{medio}8808.5 [kg/m] (VALORE CARATTERISTICO)

410	SLU	0.25	24.98	0.00	7.58			23916	33761	0.71	0.24	-9459	10394	0.91	0.12				
SLE	Rare							6847				0				-0.0	34.9	782.5	323.9
SLE	Freq							6223				0				-0.0	31.7	711.1	294.4

[illegible]

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

VERIFICHE A TAGLIO Trave 401 402 Sez. 13 60x45 60x45 [cm] bordo L_{asse} 4.30 L_{netta} 3.85 [m]

Da [m]	A [m]	Dx [m]	VSD [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.76	0.51	22496.4	11738.7	100836.9	31285.1	ø 12 2br. 10.0'
0.76	1.39	0.62	16677.5	12313.7	131959.3	23914.9	Tr.ø 12 2br. 25.0'
1.39	2.96	1.57	11975.5	12837.5	131959.3	16607.6	Tr.ø 10 2br. 25.0'
2.96	3.59	0.62	15727.0	12152.2	131959.3	23914.9	Tr.ø 12 2br. 25.0'
3.59	4.10	0.51	21579.4	11577.3	100836.9	31285.1	ø 12 2br. 10.0'

VERIFICHE A TAGLIO	Trave	402	403	Sez. 13	60x45	60x45	[cm] bordo	L _{asse}	4.80	L _{netto}	4.40	[m]
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Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.20	0.72	0.52	24734.0	11573.3	100836.9	31285.1	ø 12 2br. 10.0'
0.72	1.37	0.65	18873.8	12153.0	131959.3	23914.9	Tr.ø 12 2br. 25.0'
1.37	3.43	2.06	12316.1	12837.6	131959.3	16607.6	Tr.ø 10 2br. 25.0'
3.43	4.08	0.65	20578.1	12153.0	131959.3	23914.9	Tr.ø 12 2br. 25.0'
4.08	4.60	0.52	27087.6	11567.6	100836.9	31285.1	ø 12 2br. 10.0'

VERIFICHE A TAGLIO Trave 403 404 Sez. 13 60x45 60x45 [cm] bordo L_{asse} 4.80 L_{netta} 4.40 [m]

Da [m]	A [m]	Dx [m]	V _{Sd} [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.20	0.74	0.54	28111.1	11567.2	100836.9	31285.1	ø 12 2br. 10.0'
0.74	1.37	0.64	21336.0	12177.5	131959.3	23914.9	Tr.ø 12 2br. 25.0'
1.37	3.43	2.06	13306.2	12837.6	131959.3	16607.6	Tr.ø 10 2br. 25.0'
3.43	4.06	0.64	20867.6	12177.5	131959.3	23914.9	Tr.ø 12 2br. 25.0'
4.06	4.60	0.54	27642.7	11573.3	100836.9	31285.1	ø 12 2br. 10.0'

VERIFICHE A TAGLIO Trave 404 405 Sez. 13 60x45 60x45 [cm] bordo L_{asse} 4.80 L_{netta} 4.40 [m]

Da [m]	A [m]	Dx [m]	V _{Sd} [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.20	0.70	0.50	27831.9	11577.3	100836.9	31285.1	ø 12 2br. 10.0'
0.70	1.37	0.67	21572.8	12129.9	131959.3	23914.9	Tr.ø 12 2br. 25.0'
1.37	3.43	2.06	13158.1	12837.0	131959.3	16607.6	Tr.ø 10 2br. 25.0'
3.43	4.10	0.67	21670.5	12129.9	131959.3	23914.9	Tr.ø 12 2br. 25.0'
4.10	4.60	0.50	27929.6	11577.3	100836.9	31285.1	ø 12 2br. 10.0'

VERIFICHE A TAGLIO Trave 405 406 Sez. 13 60x45 60x45 [cm] bordo L_{asse} 4.80 L_{netta} 4.40 [m]

Da [m]	A [m]	Dx [m]	V _{Sd} [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.20	0.74	0.54	28213.1	11577.3	100836.9	31285.1	ø 12 2br. 10.0'
0.74	1.37	0.64	21438.0	12177.5	131959.3	23914.9	Tr.ø 12 2br. 25.0'
1.37	3.43	2.06	13408.2	12837.0	131959.3	16607.6	Tr.ø 10 2br. 25.0'
3.43	4.06	0.64	20770.5	12177.5	131959.3	23914.9	Tr.ø 12 2br. 25.0'
4.06	4.60	0.54	27545.6	11577.3	100836.9	31285.1	ø 12 2br. 10.0'

VERIFICHE A TAGLIO Trave 406 407 Sez. 13 60x45 60x45 [cm] bordo L_{asse} 4.80 L_{netta} 4.40 [m]

Da [m]	A [m]	Dx [m]	V _{Sd} [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.20	0.71	0.51	27810.2	11577.3	100836.9	31285.1	ø 12 2br. 10.0'
0.71	1.37	0.67	21411.5	12142.8	131959.3	23914.9	Tr.ø 12 2br. 25.0'

1.37	3.43	2.06	13144.8	12837.0	131959.3	16607.6	Tr-ø 10 2br. 25.0'
3.43	4.09	0.67	21551.0	12142.8	131959.3	23914.9	Tr-ø 12 2br. 25.0'
4.09	4.60	0.51	27949.7	11577.3	100836.9	31285.1	ø 12 2br. 10.0'

VERIFICHE A TAGLIO Trave 407 408 Sez. 13 60x45 60x45 [cm] bordo L_{asse} 4.80 L_{netta} 4.40 [m]

Da [m]	A [m]	Dx [m]	V _{Sd} [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.20	0.72	0.52	28189.3	11577.3	100836.9	31285.1	ø 12 2br. 10.0'
0.72	1.37	0.66	21665.1	12154.4	131959.3	23914.9	Tr-ø 12 2br. 25.0'
1.37	3.43	2.06	13384.4	12837.0	131959.3	16607.6	Tr-ø 10 2br. 25.0'
3.43	4.08	0.66	21048.6	12154.4	131959.3	23914.9	Tr-ø 12 2br. 25.0'
4.08	4.60	0.52	27572.8	11577.3	100836.9	31285.1	ø 12 2br. 10.0'

VERIFICHE A TAGLIO Trave 408 409 Sez. 13 60x45 60x45 [cm] bordo L_{asse} 4.80 L_{netta} 4.40 [m]

Da [m]	A [m]	Dx [m]	V _{Sd} [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.20	0.71	0.51	28282.5	11577.3	100836.9	31285.1	ø 12 2br. 10.0'
0.71	1.37	0.66	21898.2	12141.4	131959.3	23914.9	Tr-ø 12 2br. 25.0'
1.37	3.43	2.06	13510.9	12837.0	131959.3	16607.6	Tr-ø 10 2br. 25.0'
3.43	4.09	0.66	21146.9	12141.4	131959.3	23914.9	Tr-ø 12 2br. 25.0'
4.09	4.60	0.51	27531.2	11577.3	100836.9	31285.1	ø 12 2br. 10.0'

VERIFICHE A TAGLIO Trave 409 410 Sez. 13 60x45 60x45 [cm] bordo L_{asse} 4.80 L_{netta} 4.35 [m]

Da [m]	A [m]	Dx [m]	V _{Sd} [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.20	0.72	0.52	26569.8	11577.3	100836.9	31285.1	ø 12 2br. 10.0'
0.72	1.35	0.64	20046.1	12154.3	131959.3	23914.9	Tr-ø 12 2br. 25.0'
1.35	3.40	2.05	14712.9	12836.7	131959.3	16607.6	Tr-ø 10 2br. 25.0'
3.40	4.03	0.64	22158.4	12154.3	131959.3	23914.9	Tr-ø 12 2br. 25.0'
4.03	4.55	0.52	28682.1	11577.3	100836.9	31285.1	ø 12 2br. 10.0'

VERIFICHE A TAGLIO Trave 410 411 Sez. 13 60x45 60x45 [cm] bordo L_{asse} 3.60 L_{netta} 3.15 [m]

Da [m]	A [m]	Dx [m]	VSD [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.66	0.41	21701.2	11577.3	100836.9	31285.1	ø 12 2br. 10.0'
0.66	1.29	0.63	18611.4	11830.3	131959.3	23914.9	Tr.ø 12 2br. 25.0'
1.29	2.36	1.07	13788.3	12306.9	131959.3	16607.6	Tr.ø 10 2br. 25.0'
2.36	2.99	0.63	18263.1	12042.8	131959.3	23914.9	Tr.ø 12 2br. 25.0'
2.99	3.40	0.41	21352.9	11971.9	100836.9	31285.1	ø 12 2br. 10.0'

N.B. Nella travata che segue sono incluse le verifiche delle travate:

- 424 425 426 427 428 429 430 431 432 433 434 435

Nodo	x [m]	Afe [cm²]	Afe ₁ [cm²]	Afi [cm²]	q ^{II} [kg/m]	Md _{plac} [kgm]	Mde [kgm]	Mre [kgm]	Mde Mre	x/d	Mdi [kgm]	Mri [kgm]	Mdi Mri	x/d	σ _{bx} [kg/cm²]	σ _{bd} [kg/cm²]	σ _{bx} [kg/cm²]	σ _{bd} [kg/cm²]	σ _n [kg/cm²]
Trave 402 /1 Sez. 7 90x45 90x45 [cm] L _{asse} 4.30 L _{netto} 3.80 q _{medio} 14155.0 [kg/m] (VALORE CARATTERISTICO)																			
412	SLU	0.25	26.61	0.00	19.01		33869	36848	0.92	0.19	-13770	25538	0.54	0.15					
	SLE	Rare					10587				0				-0.0	38.1	1112.7	311.0	
	SLE	Freq					9006				0				-0.0	32.4	946.5	264.6	
	SLE	Q.P.					8516				0				-0.0	30.7	895.0	250.2	
CAM	SLU	2.15	15.21	0.00	25.13	20380.2	-23552	0	21576	0.00	0.14	-24048	34712	0.18					
	SLE	Rare				14155.0	-16358	0			-16698				62.2	-0.0	619.2	1864.5	
	SLE	Freq				12465.2	-14405	0			-14692				54.7	-0.0	544.8	1640.6	
	SLE	Q.P.				11902.0	-13754	0			-14015				52.2	-0.0	519.7	1564.9	
413	SLU	4.05	30.41	0.00	13.22		32167	41770	0.77	0.21	-9251	17973	0.51	0.13					
	SLE	Rare					10950				0				-0.0	39.2	1013.5	339.7	
	SLE	Freq					9988				0				-0.0	35.7	924.4	309.9	
	SLE	Q.P.					9651				0				-0.0	34.5	893.3	299.4	
Controllo Fessurazione																			

Verifiche senza calcolo diretto ampiezza fessure

Trave 402 /2 Sez. 7 90x45 90x45 [cm] L_{asse}3.25 L_{netto}2.85 q_{medio}14155.0 [kg/m] (VALORE CARATTERISTICO)

413	SLU	0.25	30.41	0.00	13.19		17576	41770	0.42	0.21	-12388	17941	0.69	0.13					
	SLE	Rare					458				-543					2.4	1.6	42.4	117.0
	SLE	Freq					371				-466					2.0	1.3	34.3	100.3
	SLE	Q.P.					328				-439					1.9	1.2	30.3	94.4
CAM	SLU	1.67	15.21	0.00	25.13	20380.2	-13413	2365	21576	0.11	0.14	-13521	34712	0.39	0.18				
	SLE	Rare				14155.0	-9316	0			-9268					34.5	-0.0	343.7	1034.9
	SLE	Freq				12465.2	-8204	0			-8162					30.4	-0.0	302.7	911.3

SLE	Q.P.					11902.0	-7833	0		-7793			29.0	-0.0	289.0	870.2
414	SLU	3.10	29.86	0.00	19.57			38992	40944	0.95	0.20	-13418	26238	0.51	0.15	
SLE	Rare							12888				0			44.6	1216.2
SLE	Freq							11479				0			39.7	1083.3
SLE	Q.P.							11032				0			38.2	1041.1

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 402 /3 Sez. 5 45x45 45x45 [cm] L_{ass}3.63 L_{netto}2.88 q_{medio}7509.7 [kg/m] (VALORE CARATTERISTICO)

414	SLU	0.15	18.10	0.00	13.90			19764	24715	0.80	0.21	-9167	18574	0.49	0.16	
SLE	Rare							5329				0			32.4	829.8
SLE	Freq							4765				0			29.0	742.0
SLE	Q.P.							4573				0			27.8	712.1

CAM	SLU	1.59	7.63	0.00	12.57	10813.8	-8906	0	10943	0.00	0.13	-10138	17506	0.58	0.17	
SLE	Rare					7509.7	-6185	0				-7037			51.6	-0.0
SLE	Freq					6609.3	-5443	0				-6188			45.3	-0.0
SLE	Q.P.					6309.1	-5196	0				-5907			43.3	-0.0

415	SLU	3.03	15.21	0.00	12.46			10487	21020	0.50	0.20	-10469	16723	0.63	0.16	
SLE	Rare							0				-2629			18.0	-0.0
SLE	Freq							0				-2359			16.1	-0.0
SLE	Q.P.							0				-2267			15.5	-0.0

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 402 /4 Sez. 5 45x45 45x45 [cm] L_{ass}2.73 L_{netto}1.98 q_{medio}7509.7 [kg/m] (VALORE CARATTERISTICO)

415	SLU	0.60	15.21	0.00	12.56			10999	21019	0.52	0.20	-12074	16859	0.72	0.16	
SLE	Rare							0				-2958			20.2	-0.0
SLE	Freq							0				-2645			18.0	-0.0
SLE	Q.P.							0				-2545			17.3	-0.0

CAM	SLU	1.59	12.20	0.00	12.66	10813.8	-5019	3269	17170	0.19	0.16	-7746	17612	0.44	0.16	
SLE	Rare					7509.7	-3485	0				-4065			27.5	-0.0

892.2

SLE	Freq				6609.3	-3067	0		-3575		24.2	-0.0	246.2	784.5
SLE	Q.P.				6309.1	-2928	0		-3415		23.1	-0.0	235.2	749.4
416	SLU	2.58	15.21	0.00	14.00		20478	21016	0.97	0.19	18732	0.73	0.16	
SLE	Rare						3857		-58		0.4	24.7	708.1	210.1
SLE	Freq						3469		-40		0.3	22.2	636.8	188.9
SLE	Q.P.						3342		-32		0.2	21.4	613.4	182.0

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 402/5 Sez. 7 90x45 90x45 [cm] L_{asse} 4.80 L_{netto} 4.40 q_{medio} 8016.0 [kg/m] (VALORE CARATTERISTICO)

416	SLU	0.15	26.28	0.00	19.84		33394	36432	0.92	0.19	26631	0.32	0.14	
SLE	Rare						13627		0		-0.0	49.0	1448.8	482.5
SLE	Freq						12124		0		-0.0	43.6	1289.1	429.3
SLE	Q.P.						11695		0		-0.0	42.0	1243.4	414.1
CAM	SLU	2.35	15.21	0.00	25.13	11522.5	0	21687	0.00	0.13	34953	0.47	0.17	
SLE	Rare					8016.0	0	-11543			42.3	-0.0	431.1	1276.0
SLE	Freq					7115.5	0	-10246			37.6	-0.0	382.7	1132.6
SLE	Q.P.					6815.4	0	-9814			36.0	-0.0	366.6	1084.9
417	SLU	4.55	30.41	0.00	12.51		26470	41768	0.63	0.21	17047	0.72	0.12	
SLE	Rare						6773		0		-0.0	24.4	627.0	211.7
SLE	Freq						5934		0		-0.0	21.3	549.2	185.4
SLE	Q.P.						5576		0		-0.0	20.0	516.1	174.3

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 402/6 Sez. 7 90x45 90x45 [cm] L_{asse} 4.80 L_{netto} 4.30 q_{medio} 14155.0 [kg/m] (VALORE CARATTERISTICO)

417	SLU	0.25	30.41	0.00	12.51		30746	41502	0.74	0.22	16963	0.22	0.13	
SLE	Rare						14494		0		-0.0	52.7	1349.9	446.8
SLE	Freq						12786		0		-0.0	46.5	1190.7	394.2
SLE	Q.P.						12196		0		-0.0	44.3	1135.8	376.0
CAM	SLU	2.40	15.21	0.00	25.13	20380.2	0	21576	0.00	0.14	34712	0.85	0.18	

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Verifiche senza calcolo diretto ampiezza fessure

Trave 402.7 Sez. 7 90x45 90x45 [cm] L _{asse} 4.80 L _{meto} 4.30 q _{medio} 14155.0 [kg/m] (VALORE CARATTERISTICO)															
		SLU	0.25	30.41	0.00	12.51		37040	41502	0.89	0.22	-727	16963	0.04	0.13
418	SLE	Rare						19419				0			
	SLE	Freq						17056				0			
	SLE	Q.P.						16267				0			
CAM	SLU	2.40	15.21	0.00	0.00	25.13	20380.3	0	21576	0.00	0.14	-29348	34712	0.85	0.18
SLE	Rare						14155.0	0				-20383			
	SLE	Freq					12465.3	0				-17950			
	SLE	Q.P.					11902.0	0				-17139			
419	SLU	4.55	30.41	0.00	0.00	12.51		37234	41502	0.90	0.22	-642	16963	0.04	0.13
SLE	Rare							19545				0			
	SLE	Freq						17269				0			
	SLE	Q.P.						16513				0			
Controllo Fessurazione															

Verifiche senza calcolo diretto ampiezza fessure

Trave 402.78 Sez. 7 90x45 90x45 [cm] L _{asse} 4.80 L _{metr} 4.30 q _{medio} 14155.0 [kg/m] (VALORE CARATTERISTICO)																	
419	SLE	SLU	0.25	30.41	0.00	12.51	38066	41502	0.92	0.22	-552	16963	0.03	0.13			
	SLE	Rare					20134				0			-0.0	73.2	1875.1	620.7
	SLE	Freq					17812				0			-0.0	64.8	1658.9	549.1
	SLE	Q.P.					17039				0			-0.0	61.9	1586.9	525.3

CAM	SLU	2.40	15.21	0.00	25.13	20380.2	-29348	0	21576	0.00	0.14	-29348	34712	0.85	0.18
SLE	Rare					14155.0	-20383	0				-20383			
SLE	Freq					12465.2	-17950	0				-17950			
SLE	Q.P.					11902.0	-17139	0				-17139			
420	SLU	4.55	30.41	0.00	12.51			35669	41502	0.86	0.22	-1076	16963	0.06	0.13
SLE	Rare							18434				0			
SLE	Freq							16161				0			
SLE	Q.P.							15405				0			

Verifiche senza calcolo diretto ampiezza fessure

Trave 402/9 Sez. 7 90x45 90x45 /cm/ L_{asse} 4.80 L_{netta} 4.30 q_{medio} 14155.0 [kg/m] (VALORE CARATTERISTICO)

		SLU	0.25	30.41	0.00	12.51	36873	41502	0.89	0.22	-746	16963	0.04	0.13		
420	SLU															
SLE	Rare						19269			0					-0.0	70.0
SLE	Freq						16940			0					-0.0	61.6
SLE	Q.P.						16166			0					-0.0	58.8
CAM	SLU	2.40	15.21	0.00	25.13	20380.3	0	21576	0.00	0.14	-29348	34712	0.85	0.18		
SLE	Rare					14155.0	0	-20383			-20383				75.9	-0.0
SLE	Freq					12465.3	0	-17950			-17950				66.9	-0.0
SLE	Q.P.					11902.0	0	-17139			-17139				63.9	-0.0
421	SLU	4.55	30.41	0.00	12.51		36323	41502	0.88	0.22	-811	16963	0.05	0.13		
SLE	Rare						18853			0					-0.0	68.5
SLE	Freq						16651			0					-0.0	60.5
SLE	Q.P.						15899			0					-0.0	57.8

Verifiche senza calcolo diretto ampiezza fessure

Trave 402 /10 Sez. 7 90x45 90x45 /cm/ L_{asse}4.80 L_{netto}4.30 q_{medio}14155.0 [kg/m] (VALORE CARATTERISTICO)

[illegible]

[illegible]

Verifiche senza calcolo diretto ampiezza fessure

Trave 402 /11 Sez. 7 90x45 90x45 [cm] / L_{ass}3.60 L_{netto}3.15 q_{medio}14155.0 [kg/m] (VALORE CARATTERISTICO)

[illegible]

Verifiche senza calcolo diretto ampiezza fessure

VERIFICHE A TAGLIO Trave 412 413 Sez. 7 90x45 90x45 [cm] L_{asse} 4.30 L_{netto} 3.80 [m]

Da [m]	A [m]	Dx [m]	Vsd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.72	0.47	38725.8	18449.3	151255.3	41713.4	ø 12 2br. 7.5'
0.72	1.50	0.78	29177.8	19003.3	197939.0	42515.4	Tr.ø 16 2br. 25.0'
1.50	2.80	1.30	17042.6	19318.8	197939.0	32550.8	Tr.ø 14 2br. 25.0'
2.80	3.58	0.78	29320.9	18348.2	197939.0	42515.4	Tr.ø 16 2br. 25.0'
3.58	4.05	0.47	38868.9	17627.8	151255.3	41713.4	ø 12 2br. 7.5'

VERIFICHE A TAGLIO Trave 413 414 Sez. 7 90x45 90x45 [cm] L_{asse} 3.25 L_{netta} 2.85 [m]

Da [m]	A [m]	Dx [m]	Vsd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.78	0.53	25611.6	17583.9	151255.3	41713.4	ø 12 2br. 7.5'
0.78	1.29	0.51	19262.6	18279.2	197939.0	42515.4	Tr.ø 16 2br. 25.0'
1.29	2.05	0.76	20832.5	19182.2	197939.0	32550.8	Tr.ø 14 2br. 25.0'
2.05	2.56	0.51	26879.1	19131.6	197939.0	42515.4	Tr.ø 16 2br. 25.0'
2.56	3.10	0.53	35387.4	18528.6	151255.3	41713.4	ø 12 2br. 7.5'

VERIFICHE A TAGLIO Trave 414 415 Sez. 5 45x45 45x45 [cm] L_{asse} 3.63 L_{netta} 2.88 [m]

Da [m]	A [m]	Dx [m]	Vsd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.15	0.60	0.45	19311.2	9750.3	75627.6	28967.7	ø 10 2br. 7.5'
0.60	2.58	1.99	15767.4	9467.6	98969.5	23914.9	Tr.ø 12 2br. 25.0'
2.58	3.03	0.45	14682.8	9546.2	75627.6	28967.7	ø 10 2br. 7.5'

VERIFICHE A TAGLIO Trave 415 416 Sez. 5 45x45 45x45 [cm] L_{asse} 2.73 L_{netta} 1.98 [m]

Da [m]	A [m]	Dx [m]	Vsd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.60	1.03	0.43	16747.1	9568.0	75627.6	28967.7	ø 10 2br. 7.5'
1.03	2.14	1.11	17785.3	9488.4	98969.5	23914.9	Tr.ø 12 2br. 25.0'
2.14	2.58	0.43	20513.0	9772.1	75627.6	28967.7	ø 10 2br. 7.5'

VERIFICHE A TAGLIO Trave 416 417 Sez. 7 90x45 90x45 [cm] L_{asse} 4.80 L_{netta} 4.40 [m]

Da [m]	A [m]	Dx [m]	V _{Sd} [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.15	0.63	0.48	27911.5	18567.7	151255.3	41713.4	ø 12 2br. 7.5'
0.63	1.42	0.80	22414.0	19190.1	197939.0	32550.8	Tr.ø 14 2br. 25.0'
1.42	3.28	1.86	15646.9	19318.8	197939.0	23914.9	Tr.ø 12 2br. 25.0'
3.28	4.07	0.80	18399.4	18172.0	197939.0	32550.8	Tr.ø 14 2br. 25.0'
4.07	4.55	0.48	23291.4	17527.3	151255.3	41713.4	ø 12 2br. 7.5'

VERIFICHE A TAGLIO Trave 417 418 Sez. 7 90x45 90x45 [cm] L_{asse} 4.80 L_{netta} 4.30 [m]

Da [m]	A [m]	Dx [m]	V _{Sd} [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.72	0.47	41984.3	17527.3	151255.3	56776.6	ø 14 2br. 7.5'
0.72	1.49	0.78	32481.7	18244.2	197939.0	42515.4	Tr.ø 16 2br. 25.0'
1.49	3.31	1.81	20368.9	19318.8	197939.0	32550.8	Tr.ø 14 2br. 25.0'
3.31	4.08	0.78	36206.6	18244.2	197939.0	42515.4	Tr.ø 16 2br. 25.0'
4.08	4.55	0.47	45709.2	17527.3	151255.3	56776.6	ø 14 2br. 7.5'

VERIFICHE A TAGLIO Trave 418 419 Sez. 7 90x45 90x45 [cm] L_{asse} 4.80 L_{netta} 4.30 [m]

Da [m]	A [m]	Dx [m]	V _{Sd} [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.72	0.47	43819.5	17527.3	151255.3	56776.6	ø 14 2br. 7.5'
0.72	1.49	0.78	34316.9	18244.2	197939.0	42515.4	Tr.ø 16 2br. 25.0'
1.49	3.31	1.81	18550.7	19318.8	197939.0	32550.8	Tr.ø 14 2br. 25.0'
3.31	4.08	0.78	34388.3	18244.2	197939.0	42515.4	Tr.ø 16 2br. 25.0'
4.08	4.55	0.47	43890.9	17527.3	151255.3	56776.6	ø 14 2br. 7.5'

VERIFICHE A TAGLIO Trave 419 420 Sez. 7 90x45 90x45 [cm] L_{asse} 4.80 L_{netta} 4.30 [m]

Da [m]	A [m]	Dx [m]	V _{Sd} [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.72	0.47	44414.6	17527.3	151255.3	56776.6	ø 14 2br. 7.5'
0.72	1.49	0.78	34912.0	18244.2	197939.0	42515.4	Tr.ø 16 2br. 25.0'
1.49	3.31	1.81	19074.3	19318.8	197939.0	32550.8	Tr.ø 14 2br. 25.0'
3.31	4.08	0.78	33798.2	18244.2	197939.0	42515.4	Tr.ø 16 2br. 25.0'

4.08	4.55	0.47	43300.8	17527.3	151255.3	56776.6	ø 14 2br. 7.5'
VERIFICHE A TAGLIO Trave 420 421 Sez. 7 90x45 90x45 [cm] L_{asse} 4.80 L_{netta} 4.30 [m]							
D _a [m]	A [m]	D _x [m]	V _{Sd} [kg]	VR _{d1} [kg]	VR _{d2} [kg]	VR _{d3} [kg]	Staffe
0.25	0.72	0.47	44000.1	17527.3	151255.3	56776.6	ø 14 2br. 7.5'
0.72	1.49	0.78	34497.5	18244.2	197939.0	42515.4	Tr.ø 16 2br. 25.0'
1.49	3.31	1.81	18659.8	19318.8	197939.0	32550.8	Tr.ø 14 2br. 25.0'
3.31	4.08	0.78	34207.2	18244.2	197939.0	42515.4	Tr.ø 16 2br. 25.0'
4.08	4.55	0.47	43709.8	17527.3	151255.3	56776.6	ø 14 2br. 7.5'

VERIFICHE A TAGLIO Trave 421 422 Sez. 7 90x45 90x45 [cm] L_{asse} 4.80 L_{netta} 4.30 [m]							
D _a [m]	A [m]	D _x [m]	V _{Sd} [kg]	VR _{d1} [kg]	VR _{d2} [kg]	VR _{d3} [kg]	Staffe
0.25	0.72	0.47	44311.7	17527.3	151255.3	56776.6	ø 14 2br. 7.5'
0.72	1.49	0.78	34809.1	18244.2	197939.0	42515.4	Tr.ø 16 2br. 25.0'
1.49	3.31	1.81	18971.4	19318.8	197939.0	32550.8	Tr.ø 14 2br. 25.0'
3.31	4.08	0.78	34070.1	18244.3	197939.0	42515.4	Tr.ø 16 2br. 25.0'
4.08	4.55	0.47	43572.7	17527.3	151255.3	56776.6	ø 14 2br. 7.5'

VERIFICHE A TAGLIO Trave 422 423 Sez. 7 90x45 90x45 [cm] L_{asse} 3.60 L_{netta} 3.15 [m]							
D _a [m]	A [m]	D _x [m]	V _{Sd} [kg]	VR _{d1} [kg]	VR _{d2} [kg]	VR _{d3} [kg]	Staffe
0.25	0.79	0.54	33798.9	17500.4	151255.3	41713.4	ø 12 2br. 7.5'
0.79	1.31	0.52	23499.4	18295.1	197939.0	32550.8	Tr.ø 14 2br. 25.0'
1.31	2.34	1.03	17353.3	19245.2	197939.0	23914.9	Tr.ø 12 2br. 25.0'
2.34	2.86	0.52	21290.0	18711.3	197939.0	32550.8	Tr.ø 14 2br. 25.0'
2.86	3.40	0.54	30582.9	17835.9	151255.3	41713.4	ø 12 2br. 7.5'

Nodo	x [m]	Afe [cm²]	Afe1 [cm²]	Afi [cm²]	q ⁿ [kg/m]	Md _{par} [kgm]	Mde [kgm]	Mre [kgm]	Mde Mre x/d	Mdi [kgm]	Mri [kgm]	Mdi Mri x/d	σ _{bx} [kg/cm²]	σ _{bd} [kg/cm²]	σ _{bx} [kg/cm²]	σ _n [kg/cm²]
Trave 405 /1 Sez. 8 70x45 70x45 [cm] L _{asse} 8.77 L _{netta} 8.37 q _{medio} 4147.5 [kg/m] (VALORE CARATTERISTICO)																
417	SLU	0.20	22.81	0.00	10.36	27446	31418	0.87	0.21	0	14126	0.00	0.13			
	SLE	Rare				17438				0			-0.0	81.0	2147.3	702.8
	SLE	Freq				15646				0			-0.0	72.7	1926.6	630.5
	SLE	Q.P.				15055				0			-0.0	69.9	1853.9	606.8
CAM	SLU	4.38	11.40	0.00	30.41	5950.5	-28604	0	0.13	-30385	41649	0.73	0.22			
	SLE	Rare				4147.5	-19937	0		-21170			87.0	-0.0	971.8	1973.6
	SLE	Freq				3715.5	-17861	0		-18940			77.8	-0.0	869.4	1765.7
	SLE	Q.P.				3571.5	-17168	0		-18191			74.7	-0.0	835.1	1695.9
429	SLU	8.57	22.81	0.00	10.36	27065	31418	0.86	0.21	0	14126	0.00	0.13			
	SLE	Rare				17185				0			-0.0	79.8	2116.2	692.6
	SLE	Freq				15426				0			-0.0	71.7	1899.5	621.7
	SLE	Q.P.				14845				0			-0.0	69.0	1828.0	598.3

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

VERIFICHE A TAGLIO Trave 417 429 Sez. 8 70x45 70x45 [cm] L_{asse} 8.77 L_{netta} 8.37 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.20	0.81	0.61	24947.3	13722.1	117643.0	31285.1	ø 12 br. 10.0'
0.81	2.34	1.53	21303.0	15011.0	153952.6	23914.9	Tr.ø 12 2br. 25.0'
2.34	6.43	4.08	12192.2	16567.7	153952.6	16607.6	Tr.ø 10 2br. 25.0'
6.43	7.96	1.53	21215.2	15011.0	153952.6	23914.9	Tr.ø 12 2br. 25.0'
7.96	8.57	0.61	24859.6	13722.1	117643.0	31285.1	ø 12 2br. 10.0'

Nodo	x [m]	Afe [cm²]	Afe ₁ [cm²]	Afi [cm²]	q ^{II} [kg/m]	Md _{par} [kgm]	Mde [kgm]	Mre [kgm]	Mde Mre	x/d	Mdi [kgm]	Mri [kgm]	Mdi Mri	x/d	σ _{bx} [kg/cm²]	σ _{bl} [kg/cm²]	σ _{rx} [kg/cm²]	σ _{rl} [kg/cm²]
Trave 406/1 Sez. 6 50x45 50x45 [cm] L _{asse} 10.01 L _{netto} 9.56 q _{medio} 1224.2 [kg/m] (VALORE CARATTERISTICO)																		
401	SLU	0.20	15.21	0.00	8.55	15062	21157	0.71	0.20	-198	11637	0.02	0.13					
SLE	Rare					7899			0					-0.0	51.3	1445.8	439.3	
SLE	Freq					7829			0					-0.0	50.9	1433.0	435.4	
SLE	Q.P.					7808			0					-0.0	50.7	1429.2	434.2	
CAM	SLU	4.98	9.42	0.00	26.61	1713.8	-10722	0	0.13	-10712	36092	0.30	0.25					
SLE	Rare					1224.2	-7659	0		-7652				40.6	-0.0	467.2	821.2	
SLE	Freq					1224.2	-7659	0		-7652				40.6	-0.0	467.2	821.2	
SLE	Q.P.					1224.2	-7659	0		-7652				40.6	-0.0	467.2	821.2	
412	SLU	9.76	19.01	0.00	8.34	16038	26084	0.61	0.22	0	11352	0.00	0.13					
SLE	Rare					8596			0					-0.0	52.0	1271.6	474.0	
SLE	Freq					8627			0					-0.0	52.2	1276.1	475.7	
SLE	Q.P.					8625			0					-0.0	52.2	1275.8	475.6	
Controllo Fessurazione																		

Verifiche senza calcolo diretto ampiezza fessure

Trave 406/2 Sez. 6 50x45 50x45 [cm] L _{asse} 8.77 L _{netto} 8.27 q _{medio} 1962.5 [kg/m] (VALORE CARATTERISTICO)																	
412	SLU	0.25	19.01	0.00	8.34	19290	26084	0.74	0.22	0	11352	0.00	0.13				
SLE	Rare					10487				0				-0.0	63.4	1551.3	578.3
SLE	Freq					10449				0				-0.0	63.2	1545.6	576.2
SLE	Q.P.					10437				0				-0.0	63.1	1544.0	575.6
CAM	SLU	4.39	9.42	0.00	21.99	2747.5	-13207	0	0.13	-13207	30279	0.44	0.22				
SLE	Rare					1962.5	-9434	0		-9434				52.6	-0.0	591.9	1210.1
SLE	Freq					1962.5	-9434	0		-9434				52.6	-0.0	591.9	1210.1
SLE	Q.P.					1962.5	-9434	0		-9434				52.6	-0.0	591.9	1210.1
424	SLU	8.52	19.01	0.00	8.34	18709	26084	0.72	0.22	0	11352	0.00	0.13				
SLE	Rare					9848				0				-0.0	59.6	1456.8	543.1
SLE	Freq					9869				0				-0.0	59.7	1459.8	544.2

SLE	Q.P.	9866	0	-0.0	59.7	1459.5	544.1
Controllo Fessurazione							

Verifiche senza calcolo diretto ampiezza fessure

Trave 406/3 Sez. 6 50x45 50x45 [cm]/ L_{asse}10.00 L_{netto}9.55 q_{medio}1224.2 [kg/m] (VALORE CARATTERISTICO)

424	SLU	0.25	19.01	0.00	8.34	16600	26084	0.64	0.22	0	11352	0.00	0.13				
SLE	Rare					9125				0				-0.0	55.2	1349.9	503.2
SLE	Freq					9122				0				-0.0	55.2	1349.3	503.0
SLE	Q.P.					9119				0				-0.0	55.2	1349.0	502.9
CAM	SLU	5.03	9.42	0.00	26.61	1713.8	-10722	0	13460	0.00	0.13	-10712	36092	0.30	0.25		
SLE	Rare					1224.2	-7659	0				-7652		40.6	-0.0	467.2	821.2
SLE	Freq					1224.2	-7659	0				-7652		40.6	-0.0	467.2	821.2
SLE	Q.P.					1224.2	-7659	0				-7652		40.6	-0.0	467.2	821.2
436	SLU	9.80	15.21	0.00	8.55	14588	21157	0.69	0.20	0.20	-413	11637	0.04	0.13			
SLE	Rare					7308					0			-0.0	47.5	1337.7	406.4
SLE	Freq					7311					0			-0.0	47.5	1338.3	406.6
SLE	Q.P.					7309					0			-0.0	47.5	1337.9	406.5
Controllo Fessurazione																	

Verifiche senza calcolo diretto ampiezza fessure

VERIFICHE A TAGLIO Trave 401 412 Sez. 6 50x45 50x45 [cm] L_{asse} 10.01 L_{netto} 9.56 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.20	0.81	0.61	7182.4	9964.3	84030.7	28967.7	ø 10 2br. 7.5'
0.81	2.07	1.26	6279.9	11135.5	109966.1	23914.9	Tr.ø 12 2br. 25.0'
2.07	7.88	5.81	4507.6	12527.8	109966.1	16607.6	Tr.ø 10 2br. 25.0'
7.88	9.15	1.26	7335.9	11105.9	109966.1	23914.9	Tr.ø 12 2br. 25.0'
9.15	9.76	0.61	9002.7	9934.7	84030.7	28967.7	ø 10 2br. 7.5'

VERIFICHE A TAGLIO Trave 412 424 Sez. 6 50x45 50x45 [cm] L_{asse} 8.77 L_{netto} 8.27 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.77	0.52	11480.5	9934.7	84030.7	28967.7	ø 10 2br. 7.5'
0.77	2.02	1.25	10043.3	10779.3	109966.1	23914.9	Tr.ø 12 2br. 25.0'
2.02	6.75	4.73	6645.6	11872.3	109966.1	16607.6	Tr.ø 10 2br. 25.0'
6.75	8.00	1.25	9819.6	10779.3	109966.1	23914.9	Tr.ø 12 2br. 25.0'
8.00	8.52	0.52	11256.8	9934.7	84030.7	28967.7	ø 10 2br. 7.5'

VERIFICHE A TAGLIO Trave 424 436 Sez. 6 50x45 50x45 [cm] L_{asse} 10.00 L_{netta} 9.55 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.86	0.61	9160.9	9934.7	84030.7	28967.7	ø 10 2br. 7.5'
0.86	2.12	1.26	7494.1	11088.7	109966.1	23914.9	Tr.ø 12 2br. 25.0'
2.12	7.93	5.81	4561.9	12527.8	109966.1	16607.6	Tr.ø 10 2br. 25.0'
7.93	9.20	1.26	6100.6	11118.3	109966.1	23914.9	Tr.ø 12 2br. 25.0'
9.20	9.80	0.61	7003.1	9964.3	84030.7	28967.7	ø 10 2br. 7.5'

Nodo	x [m]	Afe [cm²]	Afe1 [cm²]	Afi [cm²]	q ^U [kg/m]	Md _{inf} [kgm]	Mde [kgm]	Mre [kgm]	Mde Mre	x/d	Mdi [kgm]	Mri [kgm]	Mdi Mri	x/d	σ ₁₂ [kg/cm²]	σ ₁₁ [kg/cm²]	σ ₁₂ [kg/cm²]	σ ₁₁ [kg/cm²]
Trave 407 /1 Sez. 15 110x45 110x45 [cm] L _{asse} 10.01 L _{netto} 9.51 q _{medio} 1737.5 [kg/m] (VALORE CARATTERISTICO)																		
411	SLU	0.25	21.99	0.00	15.81	26288	31452	0.84	0.16	-3699	21680	0.17	0.13					
	SLE	Rare				11203		0						-0.0	38.9	1390.0	290.3	
	SLE	Freq				11157		0						-0.0	38.8	1384.4	289.2	
	SLE	Q.P.				11143		0						-0.0	38.7	1382.7	288.8	
CAM	SLU	5.00	19.01	0.00	20.36	2432.5	-15218	0	0.14	-15218	28969	0.53	0.14					
	SLE	Rare				1737.5	-10870	0		-10870				37.0	-0.0	352.5	1451.9	
	SLE	Freq				1737.5	-10870	0		-10870				37.0	-0.0	352.5	1451.9	
	SLE	Q.P.				1737.5	-10870	0		-10870				37.0	-0.0	352.5	1451.9	
423	SLU	9.76	21.99	0.00	13.90	25883	31460	0.82	0.16	-1182	19138	0.06	0.12					
	SLE	Rare				12248		0						-0.0	43.0	1519.5	323.3	
	SLE	Freq				12261		0						-0.0	43.1	1521.2	323.6	
	SLE	Q.P.				12261		0						-0.0	43.1	1521.2	323.6	

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 407 /2 Sez. 15 110x45 110x45 [cm] L_{asse}8.77 L_{netto}8.27 q_{medio}1737.5 [kg/m] (VALORE CARATTERISTICO)

423	SLU	0.25	21.99	0.00	13.90	23844	31460	0.76	0.16	-4514	19138	0.24	0.12					
	SLE	Rare				9321		0						-0.0	32.7	1156.3	246.0	
	SLE	Freq				9329		0						-0.0	32.8	1157.3	246.2	
	SLE	Q.P.				9329		0						-0.0	32.8	1157.3	246.2	
CAM	SLU	4.38	19.01	0.00	20.36	2432.5	-11693	0	0.14	-11693	28969	0.40	0.14					
	SLE	Rare				1737.5	-8352	0		-8352				28.4	-0.0	270.8	1115.6	
	SLE	Freq				1737.5	-8352	0		-8352				28.4	-0.0	270.8	1115.6	
	SLE	Q.P.				1737.5	-8352	0		-8352				28.4	-0.0	270.8	1115.6	
435	SLU	8.52	21.99	0.00	13.90	24110	31460	0.77	0.16	-4282	19138	0.22	0.12					
	SLE	Rare				9574		0						-0.0	33.6	1187.8	252.7	
	SLE	Freq				9579		0						-0.0	33.6	1188.3	252.8	

SLE	Q.P.	9578	Controllo Fessurazione				0	-0.0	33.6	1188.2	252.8
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Verifiche senza calcolo diretto ampiezza fessure

Trave 407/3 Sez. 15 110x45 110x45 [cm] L_{asse} 10.01 L_{netto} 9.51 q_{medio} 1737.5 [kg/m] (VALORE CARATTERISTICO)

435	SLU	0.25	21.99	0.00	13.90	25323	31460	0.80	0.16	-1324	19138	0.07	0.12				
SLE	Rare					11826				0				-0.0	41.5	1467.1	312.1
SLE	Freq					11862				0				-0.0	41.7	1471.6	313.1
SLE	Q.P.					11862				0				-0.0	41.7	1471.6	313.1
CAM	SLU	5.00	19.01	0.00	20.36	2432.5	-15218	0	27281	0.00	0.14	-15218	28969	0.53	0.14		
SLE	Rare					1737.5	-10870	0		-10870				37.0	-0.0	352.5	1451.9
SLE	Freq					1737.5	-10870	0		-10870				37.0	-0.0	352.5	1451.9
SLE	Q.P.					1737.5	-10870	0		-10870				37.0	-0.0	352.5	1451.9
446	SLU	9.76	21.99	0.00	15.99	26583	31451	0.85	0.16	-3121	21911	0.14	0.13				
SLE	Rare					11719				0				-0.0	40.7	1454.2	303.2
SLE	Freq					11618				0				-0.0	40.3	1441.5	300.6
SLE	Q.P.					11587				0				-0.0	40.2	1437.8	299.8

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

VERIFICHE A TAGLIO Trave 411 423 Sez. 15 110x45 110x45 [cm] L_{asse} 10.01 L_{netto} 9.51 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.85	0.60	11414.5	21496.3	184867.6	28967.7	ø 10 2br. 7.5'
0.85	9.16	8.31	10268.2	21646.9	241925.4	16607.6	Tr-ø 10 2br. 25.0'
9.16	9.76	0.60	11718.7	21225.0	184867.6	28967.7	ø 10 2br. 7.5'

VERIFICHE A TAGLIO Trave 423 435 Sez. 15 110x45 110x45 [cm] L_{asse} 8.77 L_{netto} 8.27 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.90	0.65	10331.3	21225.0	184867.6	28967.7	ø 10 2br. 7.5'
0.90	7.87	6.97	9266.6	21738.5	241925.4	16607.6	Tr.ø 10 2br. 25.0'
7.87	8.52	0.65	10391.9	21225.0	184867.6	28967.7	ø 10 2br. 7.5'

VERIFICHE A TAGLIO Trave 435 446 Sez. 15 110x45 110x45 [cm] L_{asse} 10.01 L_{netta} 9.51 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.82	0.57	11585.1	21225.0	184867.6	28967.7	ø 10 2br. 7.5'
0.82	9.18	8.36	10194.9	21636.5	241925.4	16607.6	Tr.ø 10 2br. 25.0'
9.18	9.76	0.57	11565.2	21521.0	184867.6	28967.7	ø 10 2br. 7.5'

N.B. Nella travata che segue sono incluse le verifiche delle travate:

- 536 537 538 539 540 541 542 543 544 545 546

Nodo	x [m]	Afe [cm ²]	Afe _i [cm ²]	Afi [cm ²]	q ^{II} [kg/m]	Md _{par} [kgm]	Mde [kgm]	Mre [kgm]	Mde Mre	x/d	Mdi [kgm]	Mri [kgm]	Mdi Mri	x/d	σ _{bx} [kg/cm ²]	σ _{by} [kg/cm ²]	σ _z [kg/cm ²]	σ _{II} [kg/cm ²]
Trave 501 /1 Sez. 14 50x45 50x45 [cm] bordo L _{asse} =4.30 L _{netto} =3.85 q _{medio} =5089.6 [kg/m] (VALORE CARATTERISTICO)																		
501	SLU	0.25	11.40	0.00	6.57	13795	16150	0.85	0.17	0.12	9075	0.49	0.12					
	SLE	Rare				4774			0					-0.0	35.1	1150.3	284.2	
	SLE	Freq				4287			0					-0.0	31.5	1033.1	255.2	
	SLE	Q.P.				4167			0					-0.0	30.6	1004.2	248.1	
CAM	SLU	2.18	7.63	0.00	10.05	7175.5	-8292	0	11118	0.00	0.13	-8276	14418	0.57	0.14			
	SLE	Rare				5089.6	-5882	0			-5870			42.5	-0.0	437.4	1577.2	
	SLE	Freq				4739.5	-5477	0			-5466			39.6	-0.0	407.3	1468.7	
	SLE	Q.P.				4639.4	-5361	0			-5351			38.8	-0.0	398.7	1437.7	
502	SLU	4.10	11.40	0.00	6.82	11761	16149	0.73	0.17	0.12	9417	0.09	0.12					
	SLE	Rare				5365			0					-0.0	39.3	1292.8	317.7	
	SLE	Freq				4994			0					-0.0	36.6	1203.3	295.7	
	SLE	Q.P.				4862			0					-0.0	35.6	1171.5	287.9	
Controllo Fessurazione																		

Verifiche senza calcolo diretto ampiezza fessure

Trave 501 /2 Sez. 14 50x45 50x45 [cm] bordo L_{asse}=4.80 L_{netto}=4.40 q_{medio}=5089.6 [kg/m] (VALORE CARATTERISTICO)

502	SLU	0.20	11.40	0.00	6.82	13406	16149	0.83	0.17	0.04	9417	0.04	0.12					
	SLE	Rare				6765			0					-0.0	49.5	1630.0	400.6	
	SLE	Freq				6304			0					-0.0	46.2	1519.1	373.3	
	SLE	Q.P.				6165			0					-0.0	45.1	1485.6	365.1	
CAM	SLU	2.40	7.63	0.00	10.05	7175.5	-10333	0	11118	0.00	0.13	-10333	14418	0.72	0.14			
	SLE	Rare				5089.6	-7329	0			-7329			53.1	-0.0	546.1	1969.2	
	SLE	Freq				4739.4	-6825	0			-6825			49.4	-0.0	508.5	1833.7	

SLE	Q.P.	4639.4	-6681	0	14243	16149	0.88	0.17	0	9417	0.00	0.12	48.4	-0.0	497.8	1795.0
503	SLU	11.40	0.00	6.82												
SLE	Rare	4.60			7641				0				-0.0	55.9	1841.1	452.5
SLE	Freq				7121				0				-0.0	52.1	1715.8	421.7
SLE	Q.P.				6971				0				-0.0	51.0	1679.8	412.8

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 501 / 3 Sez. 14 50x45 50x45 [cm] bordo L_{asse} 4.80 L_{netto} 4.40 q_{medio} 5089.6 [kg/m] (VALORE CARATTERISTICO)

503	SLU	0.20	11.40	0.00	6.82		14306	16149	0.89	0.17	0	9417	0.00	0.12				
SLE	Rare						7911				0				-0.0	57.9	1906.2	468.5
SLE	Freq						7394				0				-0.0	54.1	1781.8	437.9
SLE	Q.P.						7248				0				-0.0	53.1	1746.5	429.2
CAM	SLU	2.40	7.63	0.00	10.05		0	11118	0.00	0.13	-10333	14418	0.72	0.14				
SLE	Rare						0				-7329				53.1	-0.0	546.1	1969.2
SLE	Freq						0				-6825				49.4	-0.0	508.5	1833.7
SLE	Q.P.						0				-6681				48.4	-0.0	497.8	1795.0
504	SLU	4.60	11.40	0.00	6.82		13433	16149	0.83	0.17	0	9417	0.00	0.12				
SLE	Rare						7128				0				-0.0	52.2	1717.4	422.1
SLE	Freq						6608				0				-0.0	48.4	1592.3	391.3
SLE	Q.P.						6460				0				-0.0	47.3	1556.5	382.5

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 501 /4 Sez. 14 50x45 50x45 [cm] bordo 4.80 L_{asse} 4.40 q_{medio} 5089.6 [kg/m] (VALORE CARATTERISTICO)

[illegible]

SLE	Freq					4739.4	-6825	0		-6825		49.4	-0.0	508.5	1833.7
SLE	Q.P.					4639.4	-6681	0		-6681		48.4	-0.0	497.8	1795.0
505	SLU	4.60	11.40	0.00	6.82			14305	16149	0.89	0.17	-0	9417	0.00	0.12
SLE	Rare							7710				-0.0	56.5	1857.9	456.6
SLE	Freq							7193				-0.0	52.7	1733.3	426.0
SLE	Q.P.							7045				-0.0	51.6	1697.6	417.2

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 501 /5 Sez. 14 50x45 50x45 [cm] bordo L_{asse}4.80 L_{netto}4.40 q_{medio}5089.6 [kg/m] (VALORE CARATTERISTICO)

505	SLU	0.20	11.40	0.00	6.82			14449	16149	0.89	0.17	-0	9417	0.00	0.12
SLE	Rare							7879				-0.0	57.7	1898.4	466.6
SLE	Freq							7363				-0.0	53.9	1774.1	436.0
SLE	Q.P.							7217				-0.0	52.8	1738.9	427.4

CAM	SLU	2.40	7.63	0.00	10.05	7175.5	-10333	0	11118	0.00	0.13	-10333	14418	0.72	0.14
SLE	Rare					5089.6	-7329	0				53.1	-0.0	546.1	1969.2
SLE	Freq					4739.5	-6825	0				49.4	-0.0	508.5	1833.7
SLE	Q.P.					4639.4	-6681	0				48.4	-0.0	497.8	1795.0

506	SLU	4.60	11.40	0.00	6.82			13651	16149	0.85	0.17	-0	9417	0.00	0.12
SLE	Rare							7127				-0.0	52.2	1717.3	422.1
SLE	Freq							6611				-0.0	48.4	1593.0	391.5
SLE	Q.P.							6463				-0.0	47.3	1557.4	382.8

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 501 /6 Sez. 14 50x45 50x45 [cm] bordo L_{asse}4.80 L_{netto}4.40 q_{medio}5089.6 [kg/m] (VALORE CARATTERISTICO)

506	SLU	0.20	11.40	0.00	6.82			13822	16149	0.86	0.17	-0	9417	0.00	0.12
SLE	Rare							7312				-0.0	53.5	1761.8	433.0
SLE	Freq							6796				-0.0	49.8	1637.6	402.5
SLE	Q.P.							6651				-0.0	48.7	1602.5	393.8

CAM	SLU	2.40	7.63	0.00	10.05	7175.5	-10333	0	11118	0.00	0.13	-10333	14418	0.72	0.14
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SLE	Rare	5089.6	-7329	0	-7329	0	0.00	0.12	53.1	-0.0	546.1	1969.2
SLE	Freq	4739.4	-6825	0	-6825	0	0.00	0.12	49.4	-0.0	508.5	1833.7
SLE	Q.P.	4639.4	-6681	0	-6681	0	0.00	0.12	48.4	-0.0	497.8	1795.0
507	SLU	4.60	11.40	0.00	6.82	14281	16149	0.88	0.17	-0	9417	
SLE	Rare					7707			0	56.4	1857.1	456.4
SLE	Freq					7189			0	52.6	1732.3	425.8
SLE	Q.P.					7041			0	51.5	1696.5	417.0

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 501 / 7 Sez. 14 50x45 50x45 [cm] bordo L_{asse}4.80 L_{netta}4.40 q_{medio}5089.6 [kg/m] (VALORE CARATTERISTICO)

507	SLU	0.20	11.40	0.00	6.82	14443	16149	0.89	0.17	-0	9417	0.00	0.12				
SLE	Rare					7875				0				-0.0	57.7	1897.6	466.4
SLE	Freq					7359				0				-0.0	53.9	1773.1	435.8
SLE	Q.P.					7213				0				-0.0	52.8	1737.9	427.1
CAM	SLU	2.40	7.63	0.00	10.05	0	11118	0.00	0.13	-10333	14418	0.72	0.14				
SLE	Rare					5089.6				-7329				53.1	-0.0	546.1	1969.2
SLE	Freq					4739.4				-6825				49.4	-0.0	508.5	1833.7
SLE	Q.P.					4639.4				-6681				48.4	-0.0	497.8	1795.0
508	SLU	4.60	11.40	0.00	6.82	13733	16149	0.85	0.17	-0	9417	0.00	0.12				
SLE	Rare					7209				0				-0.0	52.8	1737.1	426.9
SLE	Freq					6693				0				-0.0	49.0	1612.8	396.4
SLE	Q.P.					6546				0				-0.0	47.9	1577.2	387.6

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 501/8 Sez. 14 50x45 50x45 [cm] bordo L_{asse}4.80 L_{netta}4.40 q_{medio}5089.6 [kg/m] (VALORE CARATTERISTICO)

	SLU	0.20	11.40	0.00	6.82	14022	16149	0.87	0.17	-0	9417	0.00	0.12		
508	SLU														
SLE	Rare					7504			0			-0.0	54.9	1808.1	444.4
SLE	Freq					6987			0			-0.0	51.2	1683.7	413.8
SLE	Q.P.					6843			0			-0.0	50.1	1648.8	405.2

CAM	SLU	2.40	7.63	0.00	10.05	7175.5	-10333	0	11118	0.00	0.13	-10333	14418	0.72	0.14				
SLE	Rare					5089.6	-7329	0				-7329				53.1	-0.0	546.1	1969.2
SLE	Freq					4739.5	-6825	0				-6825				49.4	-0.0	508.5	1833.7
SLE	Q.P.					4639.4	-6681	0				-6681				48.4	-0.0	497.8	1795.0
509	SLU	4.60	11.40	0.00	6.82			14820	16149	0.92	0.17	-1238	9417	0.13	0.12				
SLE	Rare							7060				0				-0.0	51.7	1701.2	418.1
SLE	Freq							6555				0				-0.0	48.0	1579.5	388.2
SLE	Q.P.							6403				0				-0.0	46.9	1542.9	379.2
Controllo Fessurazione																			

Verifiche senza calcolo diretto ampiezza fessure

Trave 501 /9 Sez. 14 50x45 50x45 [cm] bordo L_{asse}=4.80 L_{netto}=4.35 q_{medio}=5089.6 [kg/m] (VALORE CARATTERISTICO)

509	SLU	0.20	11.40	0.00	6.82			14546	16149	0.90	0.17	-2325	9417	0.25	0.12				
SLE	Rare							6207				0				-0.0	45.4	1495.6	367.6
SLE	Freq							5745				0				-0.0	42.1	1384.3	340.2
SLE	Q.P.							5598				0				-0.0	41.0	1348.9	331.5
CAM	SLU	2.38	7.63	0.00	10.05	7175.5	-10333	0	11118	0.00	0.13	-10315	14418	0.72	0.14				
SLE	Rare					5089.6	-7329	0				-7316				53.0	-0.0	545.1	1965.8
SLE	Freq					4739.4	-6825	0				-6813				49.3	-0.0	507.6	1830.5
SLE	Q.P.					4639.4	-6681	0				-6669				48.3	-0.0	496.9	1791.9
510	SLU	4.55	12.57	0.00	6.40			16323	17747	0.92	0.18	-2760	8844	0.31	0.12				
SLE	Rare							6519				0				-0.0	46.2	1427.7	387.5
SLE	Freq							6118				0				-0.0	43.3	1339.7	363.6
SLE	Q.P.							6016				0				-0.0	42.6	1317.5	357.6
Controllo Fessurazione																			

Verifiche senza calcolo diretto ampiezza fessure

Trave 501 /10 Sez. 14 50x45 50x45 [cm] bordo L_{asse}=3.60 L_{netto}=3.15 q_{medio}=5089.6 [kg/m] (VALORE CARATTERISTICO)

510	SLU	0.25	12.57	0.00	6.40			12878	17747	0.73	0.18	-4685	8844	0.53	0.12				
SLE	Rare							3852				0				-0.0	27.3	843.5	229.0
SLE	Freq							3602				0				-0.0	25.5	788.8	214.1

[illegible]

Verifiche senza calcolo diretto ampiezza fessure

VERIFICHE A TAGLIO Trave 501 502 Sez. 14 50x45 50x45 [cm] bordo L_{asse} 4.30 L_{netta} 3.85 [m]

Da [m]	A [m]	Dx [m]	VSD [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.72	0.47	13841.6	9683.1	84030.7	28967.7	ø 10 2br. 7.5'
0.72	1.13	0.42	10503.8	9936.4	109966.1	16607.6	Tr.ø 10 2br. 25.0'
1.13	3.22	2.09	8238.2	10177.7	109966.1	10628.8	Tr.ø 8 2br. 25.0'
3.22	3.63	0.42	10855.8	9972.7	109966.1	16607.6	Tr.ø 10 2br. 25.0'
3.63	4.10	0.47	14193.6	9719.5	84030.7	28967.7	ø 10 2br. 7.5'

VERIFICHE A TAGLIO Trave 502 503 Sez. 14 50x45 50x45 [cm] bordo L_{asse} 4.80 L_{netto} 4.40 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.20	0.66	0.46	15558.4	9712.1	84030.7	28967.7	ø 10 2br. 7.5'
0.66	1.36	0.70	12287.4	9967.3	109966.1	16607.6	Tr.ø 10 2br. 25.0'
1.36	3.44	2.08	7835.8	10177.7	109966.1	10628.8	Tr.ø 8 2br. 25.0'
3.44	4.14	0.70	12884.5	9967.3	109966.1	16607.6	Tr.ø 10 2br. 25.0'
4.14	4.60	0.46	16155.5	9714.4	84030.7	28967.7	ø 10 2br. 7.5'

VERIFICHE A TAGLIO Trave 503 504 Sez. 14 50x45 50x45 [cm] bordo L_{asse} 4.80 L_{netta} 4.40 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.20	0.65	0.45	16097.0	9710.4	84030.7	28967.7	ø 10 2br. 7.5'
0.65	1.36	0.72	12889.9	9962.1	109966.1	16607.6	Tr.ø 10 2br. 25.0'
1.36	3.44	2.08	7758.5	10177.7	109966.1	10628.8	Tr.ø 8 2br. 25.0'
3.44	4.15	0.72	12373.7	9962.1	109966.1	16607.6	Tr.ø 10 2br. 25.0'
4.15	4.60	0.45	15580.8	9712.1	84030.7	28967.7	ø 10 2br. 7.5'

VERIFICHE A TAGLIO Trave 504 505 Sez. 14 50x45 50x45 [cm] bordo L_{asse} 4.80 L_{netta} 4.40 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.20	0.71	0.51	15717.7	9719.5	84030.7	28967.7	ø 10 2br. 7.5'
0.71	1.36	0.65	12091.1	9996.2	109966.1	16607.6	Tr.ø 10 2br. 25.0'
1.36	3.44	2.08	7650.4	10177.7	109966.1	10628.8	Tr.ø 8 2br. 25.0'
3.44	4.09	0.65	12343.5	9996.2	109966.1	16607.6	Tr.ø 10 2br. 25.0'
4.09	4.60	0.51	15970.1	9719.5	84030.7	28967.7	ø 10 2br. 7.5'

VERIFICHE A TAGLIO Trave 505 506 Sez. 14 50x45 50x45 [cm] bordo L_{asse} 4.80 L_{netta} 4.40 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.20	0.68	0.48	16086.1	9719.5	84030.7	28967.7	ø 10 2br. 7.5'
0.68	1.36	0.69	12665.1	9979.5	109966.1	16607.6	Tr.ø 10 2br. 25.0'
1.36	3.44	2.08	7747.6	10177.7	109966.1	10628.8	Tr.ø 8 2br. 25.0'
3.44	4.12	0.69	12173.2	9979.5	109966.1	16607.6	Tr.ø 10 2br. 25.0'
4.12	4.60	0.48	15594.1	9719.5	84030.7	28967.7	ø 10 2br. 7.5'

VERIFICHE A TAGLIO Trave 506 507 Sez. 14 50x45 50x45 [cm] bordo L_{asse} 4.80 L_{netta} 4.40 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.20	0.69	0.49	15722.7	9719.5	84030.7	28967.7	ø 10 2br. 7.5'
0.69	1.37	0.69	12230.5	9985.3	109966.1	16607.6	Tr.ø 10 2br. 25.0'

1.37	3.43	2.06	7550.7	10177.7	109966.1	10628.8	Tr.ø 8 2br. 25.0'
3.43	4.11	0.69	12468.3	9985.3	109966.1	16607.6	Tr.ø 10 2br. 25.0'
4.11	4.60	0.49	15960.4	9719.5	84030.7	28967.7	ø 10 2br. 7.5'

VERIFICHE A TAGLIO Trave 507 508 Sez. 14 50x45 50x45 [cm] bordo L_{asse} 4.80 L_{netta} 4.40 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.20	0.72	0.52	16053.6	9719.5	84030.7	28967.7	ø 10 2br. 7.5'
0.72	1.37	0.66	12347.7	10002.6	109966.1	16607.6	Tr.ø 10 2br. 25.0'
1.37	3.43	2.06	7643.9	10177.7	109966.1	10628.8	Tr.ø 8 2br. 25.0'
3.43	4.08	0.66	11918.1	10002.6	109966.1	16607.6	Tr.ø 10 2br. 25.0'
4.08	4.60	0.52	15624.1	9719.5	84030.7	28967.7	ø 10 2br. 7.5'

VERIFICHE A TAGLIO Trave 508 509 Sez. 14 50x45 50x45 [cm] bordo L_{asse} 4.80 L_{netta} 4.40 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.20	0.67	0.47	16085.5	9719.5	84030.7	28967.7	ø 10 2br. 7.5'
0.67	1.36	0.69	12743.4	9973.1	109966.1	16607.6	Tr.ø 10 2br. 25.0'
1.36	3.44	2.08	7765.8	10177.7	109966.1	10628.8	Tr.ø 8 2br. 25.0'
3.44	4.13	0.69	12350.9	9973.1	109966.1	16607.6	Tr.ø 10 2br. 25.0'
4.13	4.60	0.47	15693.0	9719.5	84030.7	28967.7	ø 10 2br. 7.5'

VERIFICHE A TAGLIO Trave 509 510 Sez. 14 50x45 50x45 [cm] bordo L_{asse} 4.80 L_{netta} 4.35 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.20	0.68	0.48	15631.7	9719.5	84030.7	28967.7	ø 10 2br. 7.5'
0.68	1.34	0.67	12211.1	9979.5	109966.1	16607.6	Tr.ø 10 2br. 25.0'
1.34	3.41	2.07	8218.9	10177.7	109966.1	10628.8	Tr.ø 8 2br. 25.0'
3.41	4.07	0.67	12495.3	9918.9	109966.1	16607.6	Tr.ø 10 2br. 25.0'
4.07	4.55	0.48	15916.0	9658.9	84030.7	28967.7	ø 10 2br. 7.5'

VERIFICHE A TAGLIO Trave 510 511 Sez. 14 50x45 50x45 [cm] bordo L_{asse} 3.60 L_{netta} 3.15 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.70	0.45	12392.0	9655.8	84030.7	28967.7	ø 10 2br. 7.5'
0.70	1.29	0.59	10301.7	9744.5	109966.1	16607.6	Tr.ø 10 2br. 25.0'
1.29	2.36	1.07	7514.6	9892.3	109966.1	10628.8	Tr.ø 8 2br. 25.0'
2.36	2.95	0.59	9716.0	9889.8	109966.1	16607.6	Tr.ø 10 2br. 25.0'
2.95	3.40	0.45	11806.3	9804.2	84030.7	28967.7	ø 10 2br. 7.5'

N.B. Nella travata che segue sono incluse le verifiche delle travate:

- 524 525 526 527 528 529 530 531 532 533 534 535

Nodo	x [m]	Afe [cm²]	Afe ₁ [cm²]	Afi [cm²]	q ^{II} [kg/m]	Md _{par} [kgm]	Mde [kgm]	Mre [kgm]	Mdi [kgm]	Mri [kgm]	x/d	σ _{sf} [kg/cm²]	σ _{sl} [kg/cm²]	σ _n [kg/cm²]
Trave 502/1 Sez. 8 70x45 70x45 [cm] L _{asse} 4.30 L _{netto} 3.85 q _{medio} 8766.9 [kg/m] (VALORE CARATTERISTICO)														
512 SLU	0.25	15.71	0.00	9.10		17419	22207	0.78	0.17	-6627	12478	0.53	0.12	
SLE Rare						5504			0	-0.0			29.3	965.9 226.4
SLE Freq						4877			0	-0.0			26.0	855.8 200.6
SLE Q.P.						4754			0	-0.0			25.3	834.3 195.5
CAM SLU	2.18	11.40	0.00	18.85	12367.5	-14292	0	16376	0.00	0.13	-16497	26431	0.62	0.17
SLE Rare					8766.9	-10131	0			-11676			-0.0	55.5 575.1 1713.6
SLE Freq					8109.7	-9372	0			-10819			-0.0	51.4 532.9 1587.8
SLE Q.P.					7922.0	-9155	0			-10575			-0.0	50.3 520.8 1552.0
513 SLU	4.10	15.71	0.00	10.11		16826	22201	0.76	0.17	-5243	13813	0.38	0.13	
SLE Rare						5859			0	-0.0			31.0	1028.2 237.5
SLE Freq						5448			0	-0.0			28.8	956.1 220.8
SLE Q.P.						5295			0	-0.0			28.0	929.3 214.6

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 502/2 Sez. 8 70x45 70x45 [cm] L_{asse} 3.25 L_{netto} 2.90 q_{medio} 8766.9 [kg/m] (VALORE CARATTERISTICO)

513 SLU	0.20	15.71	0.00	10.11		11630	22317	0.52	0.17	-6780	13891	0.49	0.13	
SLE Rare						1732				-136			0.8	9.0 302.1 71.6
SLE Freq						1484			0	-0.0			-0.0	7.7 258.9 61.3
SLE Q.P.						1365			0	-0.0			-0.0	7.1 238.1 56.4
CAM SLU	1.65	13.57	0.00	15.27	12367.5	-8139	346	19347	0.02	0.14	-8118	21601	0.38	0.15
SLE Rare					8766.9	-5770	0			-5755			28.6	-0.0 278.3 1030.8
SLE Freq					8109.7	-5337	0			-5324			26.5	-0.0 257.4 953.5

[illegible]

Verifiche senza calcolo diretto ampiezza fessure

Trave 502 /3 Sez. 8 70x45 70x45 [cm]/ L_{asse}3.63 L_{netta}2.88 q_{medio}5039.6 [kg/m] (VALORE CARATTERISTICO)

[illegible]

Verifiche senza calcolo diretto ampiezza fessure

Trave 502 / 4 Sez. 8 70x45 70x45 [cm] / L_{asse} 2.73 L_{netto} 1.98 q_{medio} 5039.6 [kg/m] (VALORE CARATTERISTICO)

[illegible]

SLE	Rare		8766.9	-12624	0	-12624	60.0	-0.0	621.8	1852.7
SLE	Freq		8109.7	-11678	0	-11678	55.5	-0.0	575.2	1713.9
SLE	Q.P.		7922.0	-11408	0	-11408	54.2	-0.0	561.9	1674.2
518	SLU	4.60	19.01	0.00	10.11		13803	0.00	0.13	
SLE	Rare				13696	0	-0.0	67.9	2007.6	557.1
SLE	Freq				12650	0	-0.0	62.7	1854.2	514.5
SLE	Q.P.				12354	0	-0.0	61.2	1810.8	502.5

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 502 /7 Sez. 8 70x45 70x45 [cm] L_{asse}=4.80 L_{netto}=4.40 q_{medio}=8766.9 [kg/m] (VALORE CARATTERISTICO)

518	SLU	0.20	19.01	0.00	10.11	24283	26485	0.92	0.19	0	13803	0.00	0.13	
SLE	Rare					13263				0	-0.0	65.7	1944.1	539.4
SLE	Freq					12248				0	-0.0	60.7	1795.3	498.2
SLE	Q.P.					11961				0	-0.0	59.3	1753.3	486.5

CAM	SLU	2.40	11.40	0.00	18.85	12367.5	-17809	0	16376	0.00	0.13	-17809	26431	0.67	0.17			
SLE	Rare					8766.9	-12624	0				-12624			60.0	-0.0	621.8	1852.7
SLE	Freq					8109.7	-11678	0				-11678			55.5	-0.0	575.2	1713.9
SLE	Q.P.					7922.0	-11408	0				-11408			54.2	-0.0	561.9	1674.2

519	SLU	4.60	19.01	0.00	10.11	24036	26485	0.91	0.19	0	13803	0.00	0.13	
SLE	Rare					13143				0	-0.0	65.1	1926.5	534.5
SLE	Freq					12190				0	-0.0	60.4	1786.8	495.8
SLE	Q.P.					11917				0	-0.0	59.0	1746.8	484.7

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 502 /8 Sez. 8 70x45 70x45 [cm] L_{asse}=4.80 L_{netto}=4.40 q_{medio}=8766.9 [kg/m] (VALORE CARATTERISTICO)

519	SLU	0.20	19.01	0.00	10.11	24386	26485	0.92	0.19	0	13803	0.00	0.13	
SLE	Rare					13328				0	-0.0	66.0	1953.6	542.1
SLE	Freq					12376				0	-0.0	61.3	1814.1	503.4
SLE	Q.P.					12105				0	-0.0	60.0	1774.4	492.4

CAM	SLU	2.40	11.40	0.00	18.85	12367.5	-17809	0	16376	0.00	0.13	-17809	26431	0.67	0.17			
SLE	Rare					8766.9	-12624	0				-12624			60.0	-0.0	621.8	1852.7
SLE	Freq					8109.7	-11678	0				-11678			55.5	-0.0	575.2	1713.9
SLE	Q.P.					7922.0	-11408	0				-11408			54.2	-0.0	561.9	1674.2
520	SLU	4.60	19.01	0.00	10.11			22928	26485	0.87	0.19	0	13803	0.00	0.13			
SLE	Rare							12385				0			-0.0	61.4	1815.4	503.7
SLE	Freq							11408				0			-0.0	56.5	1672.2	464.0
SLE	Q.P.							11129				0			-0.0	55.1	1631.2	452.6

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 502/9 Sez. 8 70x45 70x45 [cm] L_{asse}4.80 L_{netto}4.40 q_{medio}8766.9 [kg/m] (VALORE CARATTERISTICO)

520	SLU	0.20	19.01	0.00	10.11			23450	26485	0.89	0.19	0	13803	0.00	0.13				
SLE	Rare							12675				0			-0.0	62.8	1857.8	515.5	
SLE	Freq							11692				0			-0.0	57.9	1713.8	475.5	
SLE	Q.P.							11413				0			-0.0	56.6	1673.0	464.2	
CAM	SLU	2.40	11.40	0.00	18.85	12367.5	-17809	0	16376	0.00	0.13	-17809	26431	0.67	0.17				
SLE	Rare					8766.9	-12624	0				-12624			60.0	-0.0	621.8	1852.7	
SLE	Freq					8109.8	-11678	0				-11678			55.5	-0.0	575.2	1713.9	
SLE	Q.P.					7922.0	-11408	0				-11408			54.2	-0.0	561.9	1674.2	

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 502/10 Sez. 8 70x45 70x45 [cm] L_{asse}4.80 L_{netto}4.40 q_{medio}8766.9 [kg/m] (VALORE CARATTERISTICO)

521	SLU	0.20	19.01	0.00	10.11			22747	26485	0.86	0.19	0	13803	0.00	0.13				
SLE	Rare							12209				0			-0.0	60.5	1789.6	496.6	
SLE	Freq							11473				0			-0.0	56.8	1681.7	466.6	

[illegible]

Verifiche senza calcolo diretto ampiezza fessure

Trave 502 /11 Sez. 8 70x45 70x45 [cm] / L_{ASS} 3.60 L_{NETTA} 3.20 q_{medio} 8766.9 [kg/m] (VALORE CARATTERISTICO)

[illegible]

Verifiche senza calcolo diretto ampiezza fessure

VERIFICHE A TAGLIO Trave 512 513 Sez. 8 70x45 70x45 [cm] L_{asse} 4.30 L_{netta} 3.85 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.65	0.40	23954.2	13542.7	117643.0	41713.4	ø 12 2br. 7.5'
0.65	1.38	0.73	19058.1	13870.8	153952.6	23914.9	Tr.ø 12 2br. 25.0'
1.38	2.97	1.59	10392.9	14926.5	153952.6	16607.6	Tr.ø 10 2br. 25.0'
2.97	3.70	0.73	19067.4	14014.4	153952.6	23914.9	Tr.ø 12 2br. 25.0'
3.70	4.10	0.40	23963.5	13686.2	117643.0	41713.4	ø 12 2br. 7.5'

VERIFICHE A TAGLIO Trave 513 514 Sez. 8 70x45 70x45 [cm] L_{asse} 3.25 L_{netta} 2.90 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.20	0.60	0.40	15954.4	13686.2	117643.0	28967.7	ø 10 2br. 7.5'
0.60	1.17	0.57	12786.3	13916.2	153952.6	23914.9	Tr.ø 12 2br. 25.0'
1.17	2.13	0.96	12850.9	14400.2	153952.6	16607.6	Tr.ø 10 2br. 25.0'
2.13	2.70	0.57	17444.6	13789.1	153952.6	23914.9	Tr.ø 12 2br. 25.0'
2.70	3.10	0.40	21959.5	13435.0	117643.0	28967.7	ø 10 2br. 7.5'

VERIFICHE A TAGLIO Trave 514 515 Sez. 8 70x45 70x45 [cm] L_{asse} 3.63 L_{netta} 2.88 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.15	0.58	0.43	16214.6	13424.3	117643.0	28967.7	ø 10 2br. 7.5'
0.58	1.09	0.51	14240.2	13550.7	153952.6	23914.9	Tr.ø 12 2br. 25.0'
1.09	2.09	1.00	11852.6	13889.1	153952.6	16607.6	Tr.ø 10 2br. 25.0'
2.09	2.60	0.51	10418.5	13847.6	153952.6	23914.9	Tr.ø 12 2br. 25.0'
2.60	3.03	0.43	12392.9	13847.6	117643.0	28967.7	ø 10 2br. 7.5'

VERIFICHE A TAGLIO Trave 515 516 Sez. 8 70x45 70x45 [cm] L_{asse} 2.73 L_{netta} 1.98 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.60	1.01	0.41	14443.3	13852.1	117643.0	28967.7	ø 10 2br. 7.5'
1.01	2.16	1.15	17164.5	13698.6	153952.6	23914.9	Tr.ø 12 2br. 25.0'
2.16	2.58	0.41	19071.3	13583.0	117643.0	28967.7	ø 10 2br. 7.5'

VERIFICHE A TAGLIO Trave 516 517 Sez. 8 70x45 70x45 [cm] L_{asse} 4.80 L_{netta} 4.45 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.15	0.65	0.50	17817.0	14021.3	117643.0	28967.7	ø 10 2br. 7.5'
0.65	1.46	0.81	14288.1	14418.5	153952.6	23914.9	Tr.ø 12 2br. 25.0'
1.46	3.29	1.83	8868.0	14926.6	153952.6	16607.6	Tr.ø 10 2br. 25.0'
3.29	4.10	0.81	11189.3	14104.7	153952.6	23914.9	Tr.ø 12 2br. 25.0'
4.10	4.60	0.50	14627.0	13686.2	117643.0	28967.7	ø 10 2br. 7.5'

VERIFICHE A TAGLIO Trave 517 518 Sez. 8 70x45 70x45 [cm] L_{asse} 4.80 L_{netta} 4.40 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.20	0.80	0.60	25344.6	13686.2	117643.0	41713.4	ø 12 2br. 7.5'
0.80	1.50	0.71	17974.3	14193.8	153952.6	23914.9	Tr.ø 12 2br. 25.0'
1.50	3.30	1.80	13131.8	14926.6	153952.6	16607.6	Tr.ø 10 2br. 25.0'
3.30	4.00	0.71	21853.3	14193.8	153952.6	23914.9	Tr.ø 12 2br. 25.0'
4.00	4.60	0.60	29223.5	13686.2	117643.0	41713.4	ø 12 2br. 7.5'

VERIFICHE A TAGLIO Trave 518 519 Sez. 8 70x45 70x45 [cm] L_{asse} 4.80 L_{netta} 4.40 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.20	0.80	0.60	27280.7	13686.2	117643.0	41713.4	ø 12 2br. 7.5'
0.80	1.50	0.71	19910.5	14193.8	153952.6	23914.9	Tr.ø 12 2br. 25.0'
1.50	3.30	1.80	11189.0	14926.6	153952.6	16607.6	Tr.ø 10 2br. 25.0'
3.30	4.00	0.71	19819.4	14193.8	153952.6	23914.9	Tr.ø 12 2br. 25.0'
4.00	4.60	0.60	27189.6	13686.2	117643.0	41713.4	ø 12 2br. 7.5'

VERIFICHE A TAGLIO Trave 519 520 Sez. 8 70x45 70x45 [cm] L_{asse} 4.80 L_{netta} 4.40 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.20	0.80	0.60	27531.2	13686.2	117643.0	41713.4	ø 12 2br. 7.5'
0.80	1.52	0.73	20160.9	14193.8	153952.6	23914.9	Tr.ø 12 2br. 25.0'

1.52	3.28	1.76	11193.8	14926.6	153952.6	16607.6	Tr.ø 10 2br. 25.0'
3.28	4.00	0.73	19553.4	14193.8	153952.6	23914.9	Tr.ø 12 2br. 25.0'
4.00	4.60	0.60	26923.7	13686.2	117643.0	41713.4	ø 12 2br. 7.5'

VERIFICHE A TAGLIO Trave 520 521 Sez. 8 70x45 70x45 [cm] L_{asse} 4.80 L_{netta} 4.40 [m]

Da [m]	A [m]	Dx [m]	V _{Sd} [kg]	VR _{d1} [kg]	VR _{d2} [kg]	VR _{d3} [kg]	Staffe
0.20	0.79	0.59	27310.7	13686.2	117643.0	41713.4	ø 12 2br. 7.5'
0.79	1.50	0.70	19957.1	14192.6	153952.6	23914.9	Tr.ø 12 2br. 25.0'
1.50	3.30	1.80	11255.2	14926.6	153952.6	16607.6	Tr.ø 10 2br. 25.0'
3.30	4.01	0.70	19807.6	14192.6	153952.6	23914.9	Tr.ø 12 2br. 25.0'
4.01	4.60	0.59	27161.2	13686.2	117643.0	41713.4	ø 12 2br. 7.5'

VERIFICHE A TAGLIO Trave 521 522 Sez. 8 70x45 70x45 [cm] L_{asse} 4.80 L_{netta} 4.40 [m]

Da [m]	A [m]	Dx [m]	V _{Sd} [kg]	VR _{d1} [kg]	VR _{d2} [kg]	VR _{d3} [kg]	Staffe
0.20	0.81	0.61	27482.3	13686.2	117643.0	41713.4	ø 12 2br. 7.5'
0.81	1.52	0.72	19989.2	14202.7	153952.6	23914.9	Tr.ø 12 2br. 25.0'
1.52	3.28	1.76	11144.9	14926.6	153952.6	16607.6	Tr.ø 10 2br. 25.0'
3.28	3.99	0.72	19505.1	14202.7	153952.6	23914.9	Tr.ø 12 2br. 25.0'
3.99	4.60	0.61	26998.2	13686.2	117643.0	41713.4	ø 12 2br. 7.5'

VERIFICHE A TAGLIO Trave 522 523 Sez. 8 70x45 70x45 [cm] L_{asse} 3.60 L_{netta} 3.20 [m]

Da [m]	A [m]	Dx [m]	V _{Sd} [kg]	VR _{d1} [kg]	VR _{d2} [kg]	VR _{d3} [kg]	Staffe
0.20	0.67	0.47	22212.3	13686.2	117643.0	28967.7	ø 10 2br. 7.5'
0.67	1.12	0.46	16453.5	13954.3	153952.6	23914.9	Tr.ø 12 2br. 25.0'
1.12	2.48	1.36	11058.7	14348.6	153952.6	16607.6	Tr.ø 10 2br. 25.0'
2.48	2.93	0.46	12021.6	13810.8	153952.6	23914.9	Tr.ø 12 2br. 25.0'
2.93	3.40	0.47	17780.3	13542.7	117643.0	28967.7	ø 10 2br. 7.5'

Nodo	x [m]	Afe [cm²]	Afe1 [cm²]	Afi [cm²]	q ^{II} [kg/m]	Md _{inf} [kgm]	Mde [kgm]	Mre [kgm]	Mde Mre x/d	Mdi [kgm]	Mri [kgm]	Mdi Mri x/d	σ _{bs} [kg/cm²]	σ _{bd} [kg/cm²]	σ _{re} [kg/cm²]	σ _n [kg/cm²]
Trave 505 /1 Sez. 8 70x45 70x45 [cm] L _{asse} 8.77 L _{netta} 8.37 q _{medio} 2827.5 [kg/m] (VALORE CARATTERISTICO)																
517	SLU	0.20	18.85	0.00	10.36	19069	26348	0.72	0.19	0	14137	0.00	0.13			
	SLE	Rare				12300			0				-0.0	60.7	1812.6	497.2
	SLE	Freq				11579			0				-0.0	57.2	1706.3	468.0
	SLE	Q.P.				11379			0				-0.0	56.2	1676.9	460.0
CAM	SLU	4.38	11.40	0.00	25.13	3982.5	-19144	0	0.13	-19835	34832	0.57	0.20			
	SLE	Rare				2827.5	-13592	0		-14089			61.1	-0.0	664.4	1570.5
	SLE	Freq				2659.5	-12784	0		-13241			57.4	-0.0	624.4	1476.0
	SLE	Q.P.				2611.5	-12554	0		-12993			56.3	-0.0	612.7	1448.4
529	SLU	8.57	18.85	0.00	10.36	18685	26348	0.71	0.19	0	14137	0.00	0.13			
	SLE	Rare				12067			0				-0.0	59.6	1778.2	487.8
	SLE	Freq				11364			0				-0.0	56.1	1674.6	459.3
	SLE	Q.P.				11168			0				-0.0	55.1	1645.8	451.4
Controllo Fessurazione																

Verifiche senza calcolo diretto ampiezza fessure

VERIFICHE A TAGLIO Trave 517 529 Sez. 8 70x45 70x45 [cm] L_{asse} 8.77 L_{netta} 8.37 [m]

Da [m]	A [m]	Dx [m]	V _{Sd} [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.20	0.90	0.70	16711.6	13722.1	117643.0	31285.1	ø 12 2br. 10.0'
0.90	2.39	1.49	13933.8	15016.1	153952.6	23914.9	Tr.ø 12 2br. 25.0'
2.39	6.38	3.99	7981.4	15818.5	153952.6	16607.6	Tr.ø 10 2br. 25.0'
6.38	7.87	1.49	13849.2	15016.1	153952.6	23914.9	Tr.ø 12 2br. 25.0'
7.87	8.57	0.70	16627.0	13722.1	117643.0	31285.1	ø 12 2br. 10.0'

Nodo	x [m]	Afe [cm²]	Afe ₁ [cm²]	Afi [cm²]	q ^{II} [kg/m]	Md _{par} [kgm]	Mde [kgm]	Mre [kgm]	Mde Mre x/d	Mdi [kgm]	Mri [kgm]	Mdi Mri x/d	σ _{de} [kg/cm²]	σ _{di} [kg/cm²]	σ _{ri} [kg/cm²]
Trave 506 /1 Sez. 6 50x45 50x45 [cm] L _{ass} 10.01 L _{netto} 9.56 q _{medio} 1062.5 [kg/m] (VALORE CARATTERISTICO)															
501	SLU	0.20	9.42	0.00	7.77	11494	13520	0.85	0.16 -209	10661	0.02	0.13			
	SLE	Rare				6078			0				-0.0	47.1	1755.2 346.2
	SLE	Freq				6021			0				-0.0	46.7	1738.9 342.9
	SLE	Q.P.				6005			0				-0.0	46.5	1734.2 342.0
CAM	SLU	4.98	7.63	0.00	18.85	1487.5	-9306	0	0.12 -9298	26105	0.36	0.20			
	SLE	Rare				1062.5	-6647	0	-6642				39.9	-0.0	445.8 989.0
	SLE	Freq				1062.5	-6647	0	-6642				39.9	-0.0	445.8 989.0
	SLE	Q.P.				1062.5	-6647	0	-6642				39.9	-0.0	445.8 989.0
512	SLU	9.76	11.40	0.00	7.58	13145	16144	0.81	0.17 0	10399	0.00	0.13			
	SLE	Rare				7601			0				-0.0	55.2	1832.3 437.9
	SLE	Freq				7629			0				-0.0	55.4	1838.9 439.5
	SLE	Q.P.				7627			0				-0.0	55.4	1838.5 439.4

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 506 /2 Sez. 6 50x45 50x45 [cm] L_{ass} 8.77 L_{netto} 8.27 q_{medio} 1062.5 [kg/m] (VALORE CARATTERISTICO)

512	SLU	0.25	11.40	0.00	7.58	12542	16144	0.78	0.17	-20	10399	0.00	0.13		
	SLE	Rare				6362				0			-0.0	46.2	1533.5 366.5
	SLE	Freq				6334				0			-0.0	46.0	1526.9 364.9
	SLE	Q.P.				6326				0			-0.0	46.0	1525.0 364.5
CAM	SLU	4.39	7.63	0.00	18.85	1487.5	-7150	0	0.12	-7150	26105	0.27	0.20		
	SLE	Rare				1062.5	-5107	0		-5108			30.7	-0.0	342.8 760.6
	SLE	Freq				1062.5	-5107	0		-5108			30.7	-0.0	342.8 760.6
	SLE	Q.P.				1062.5	-5107	0		-5108			30.7	-0.0	342.8 760.6
524	SLU	8.52	11.40	0.00	7.58	12083	16144	0.75	0.17	-280	10399	0.03	0.13		
	SLE	Rare				5887				0			-0.0	42.8	1419.0 339.1
	SLE	Freq				5902				0			-0.0	42.9	1422.7 340.0

SLE	Q.P.	5900	Controllo Fessurazione					0	-0.0	42.9	1422.2	339.9
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Verifiche senza calcolo diretto ampiezza fessure

Trave 506/3 Sez. 6 50x45 50x45 [cm] L_{asse} 10.00 L_{netta} 9.55 q_{medio} 1062.5 [kg/m] (VALORE CARATTERISTICO)

524	SLU	0.25	11.40	0.00	7.58	13540	16144	0.84	0.17	0	10399	0.00	0.13
SLE	Rare					8006				0			
SLE	Freq					8007				0			
SLE	Q.P.					8006				0			
CAM	SLU	5.03	7.63	0.00	18.85	1487.5	-9306	0	11030	0.00	0.12	-9298	26105
SLE	Rare					1062.5	-6647	0		-6642			
SLE	Freq					1062.5	-6647	0		-6642			
SLE	Q.P.					1062.5	-6647	0		-6642			
536	SLU	9.80	9.42	0.00	7.77	11104	13520	0.82	0.16	-392	10661	0.04	0.13
SLE	Rare					5609				0			
SLE	Freq					5611				0			
SLE	Q.P.					5609				0			

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

VERIFICHE A TAGLIO Trave 501 512 Sez. 6 50x45 50x45 [cm] L_{asse} 10.01 L_{netta} 9.56 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.20	0.80	0.60	6896.9	9854.0	84030.7	28967.7	ø 10 2br. 7.5'
0.80	9.15	8.35	6441.5	10625.3	109966.1	16607.6	Tr.ø 10 2br. 25.0'
9.15	9.76	0.60	7334.5	9827.1	84030.7	28967.7	ø 10 2br. 7.5'

VERIFICHE A TAGLIO Trave 512 524 Sez. 6 50x45 50x45 [cm] L_{asse} 8.77 L_{netta} 8.27 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.86	0.61	6240.2	9827.1	84030.7	28967.7	ø 10 2br. 7.5'
0.86	7.91	7.06	5337.2	10638.4	109966.1	16607.6	Tr.ø 10 2br. 25.0'
7.91	8.52	0.61	6073.1	9827.1	84030.7	28967.7	ø 10 2br. 7.5'

VERIFICHE A TAGLIO Trave 524 536 Sez. 6 50x45 50x45 [cm] L_{asse} 10.00 L_{netta} 9.55 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.85	0.60	7457.8	9827.1	84030.7	28967.7	ø 10 2br. 7.5'
0.85	9.21	8.36	6568.5	10606.9	109966.1	16607.6	Tr.ø 10 2br. 25.0'
9.21	9.80	0.60	6756.3	9854.0	84030.7	28967.7	ø 10 2br. 7.5'

Nodo	x [m]	Afe [cm²]	Afe ₁ [cm²]	Afi [cm²]	q ^{II} [kg/m]	Md _{par} [kgm]	Mde [kgm]	Mre [kgm]	Mde Mre	x/d	Mdi [kgm]	Mri [kgm]	Mdi Mri	x/d	σ _{de} [kg/cm²]	σ _{di} [kg/cm²]	σ _{re} [kg/cm²]	σ _n [kg/cm²]
Trave 507/1 Sez. 15 110x45 110x45 [cm] / L _{asse} 10.01 L _{netto} 9.51 q _{medio} 1737.5 [kg/m] (VALORE CARATTERISTICO)																		
511	SLU	0.25	21.99	0.00	15.81	18799	31452	0.60	0.16	-1292	21680	0.06	0.13					
SLE	Rare					8887			0					-0.0	30.9	1102.8	230.3	
SLE	Freq					8828			0					-0.0	30.7	1095.4	228.8	
SLE	Q.P.					8811			0					-0.0	30.6	1093.3	228.4	
CAM	SLU	5.00	19.01	0.00	20.36	2432.5	-15218	0	0.14	-15218	28969	0.53	0.14					
SLE	Rare					1737.5	-10870	0		-10870				37.0	-0.0	352.5	1451.9	
SLE	Freq					1737.5	-10870	0		-10870				37.0	-0.0	352.5	1451.9	
SLE	Q.P.					1737.5	-10870	0		-10870				37.0	-0.0	352.5	1451.9	
523	SLU	9.76	21.99	0.00	13.90	21425	31460	0.68	0.16	0	19138	0.00	0.12					
SLE	Rare					12892			0					-0.0	45.3	1599.4	340.3	
SLE	Freq					12893			0					-0.0	45.3	1599.6	340.3	
SLE	Q.P.					12893			0					-0.0	45.3	1599.5	340.3	

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 507/2 Sez. 15 110x45 110x45 [cm] L_{asse} 8.77 L_{netto} 8.27 q_{medio} 1737.5 [kg/m] (VALORE CARATTERISTICO)

523	SLU	0.25	21.99	0.00	13.90	18441	31460	0.59	0.16	0	19138	0.00	0.12				
SLE	Rare					9678			0					-0.0	34.0	1200.6	255.4
SLE	Freq					9697			0					-0.0	34.1	1203.0	255.9
SLE	Q.P.					9697			0					-0.0	34.1	1203.0	255.9
CAM	SLU	4.38	19.01	0.00	20.36	2432.5	-11693	0	0.14	-11693	28969	0.40	0.14				
SLE	Rare					1737.5	-8352	0		-8352				28.4	-0.0	270.8	1115.6
SLE	Freq					1737.5	-8352	0		-8352				28.4	-0.0	270.8	1115.6
SLE	Q.P.					1737.5	-8352	0		-8352				28.4	-0.0	270.8	1115.6
535	SLU	8.52	21.99	0.00	13.90	18573	31460	0.59	0.16	0	19138	0.00	0.12				
SLE	Rare					9801			0					-0.0	34.4	1215.9	258.7
SLE	Freq					9822			0					-0.0	34.5	1218.5	259.2

SLE Q.P. 9822 0 -0.0 34.5 1218.5 259.2

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

Trave 507/3 Sez. 15 110x45 110x45 [cm] L_{asse} 10.01 L_{netta} 9.51 q_{medio} 1737.5 [kg/m] (VALORE CARATTERISTICO)

535	SLU	0.25	21.99	0.00	13.90	20976	31460	0.67	0.16	0	19138	0.00	0.12				
SLE	Rare					12568				0				-0.0	44.1	1559.2	331.7
SLE	Freq					12589				0				-0.0	44.2	1561.8	332.3
SLE	Q.P.					12589				0				-0.0	44.2	1561.8	332.3
CAM	SLU	5.00	19.01	0.00	20.36	2432.5	27281	0.00	0.14	-15218	28969	0.53	0.14				
SLE	Rare					1737.5	-10870			0	-10870			37.0	-0.0	352.5	1451.9
SLE	Freq					1737.5	-10870			0	-10870			37.0	-0.0	352.5	1451.9
SLE	Q.P.					1737.5	-10870			0	-10870			37.0	-0.0	352.5	1451.9
546	SLU	9.76	21.99	0.00	15.99	19040	31451	0.61	0.16	-1020	21911	0.05	0.13				
SLE	Rare					9307				0				-0.0	32.3	1154.8	240.8
SLE	Freq					9202				0				-0.0	32.0	1141.9	238.1
SLE	Q.P.					9172				0				-0.0	31.8	1138.1	237.3

Controllo Fessurazione

Verifiche senza calcolo diretto ampiezza fessure

VERIFICHE A TAGLIO Trave 511 523 Sez. 15 110x45 110x45 [cm] L_{asse} 10.01 L_{netta} 9.51 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.85	0.60	10975.0	21496.3	184867.6	28967.7	ø 10 2br. 7.5'
0.85	9.15	8.30	10688.3	21653.9	241925.4	16607.6	Tr.ø 10 2br. 25.0'
9.15	9.76	0.60	12156.3	21225.0	184867.6	28967.7	ø 10 2br. 7.5'

VERIFICHE A TAGLIO Trave 523 535 Sez. 15 110x45 110x45 [cm] L_{asse} 8.77 L_{netta} 8.27 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.86	0.61	10041.0	21225.0	184867.6	28967.7	ø 10 2br. 7.5'
0.86	7.91	7.06	8607.5	21692.8	241925.4	16607.6	Tr.ø 10 2br. 25.0'
7.91	8.52	0.61	10079.5	21225.0	184867.6	28967.7	ø 10 2br. 7.5'

VERIFICHE A TAGLIO Trave 535 546 Sez. 15 110x45 110x45 [cm] L_{asse} 10.01 L_{netta} 9.51 [m]

Da [m]	A [m]	Dx [m]	VSd [kg]	VRd1 [kg]	VRd2 [kg]	VRd3 [kg]	Staffe
0.25	0.85	0.60	12050.5	21225.0	184867.6	28967.7	ø 10 2br. 7.5'
0.85	9.15	8.30	10582.6	21669.3	241925.4	16607.6	Tr.ø 10 2br. 25.0'
9.15	9.76	0.60	11094.8	21521.0	184867.6	28967.7	ø 10 2br. 7.5'

**DI SEGUITO SI RIPORTANO LE VERIFICHE
ANALITICHE ALLA FESSURAZIONE DELLE TRAVI
PIU' SIGNIFICATIVE DEL 2°-3°-4°-5° SOLAIO**

VERIFICA DI SEZIONE IN C.A. ALLO STATO LIMITE DI FESSURAZIONE (EC2)

corpo "33" - tr 201/5

parametro	sim.	u.m.	input	risultato
dati generali				
armatura tesa (1° strato)	A_{1s}	cmq	17,04	
armatura tesa (2° strato)	A_{2s}	cmq	0	
armatura compressa	A_{3s}	cmq	11,4	
tens.caratteristica rottura acciaio	f_{yk}	kg/cmq	4300	
resistenza caratt. a compressione cls cubica	R_{ck}	kg/cmq	300	
resistenza caratt. a compressione cls cilindrica	f_{ck}	kg/cmq	249	
resistenza caratt.media a trazione cls	f_{ctm}	kg/cmq		26,1
coeff.moltipl. per sezione inflessa (NAD)			1,2	
resistenza caratt.inferiore a trazione cls	f_{ctk}	kg/cmq		21,90
copriferro armatura tesa (1° strato)	c	cm	4,5	
copriferro armatura tesa (2° strato)	s	cm	0	
copriferro sul baricentro della barra di As	C	cm	4,5	
copriferro armatura compressa A's	c'	cm	4,0	
intraferro armature fra barre dello stesso strato	i	cm	11,5	
diametro barre armatura tesa	ϕ	mm	20	
larghezza sezione	B	cm	65	
altezza sezione	H	cm	45	
altezza area efficace	h_{eff}	cm	11,25	
zona efficace dell'armatura	$A_{c_{eff}}$	cmq		731,25
rapporto As/Ac eff	ρ			0,0233
sezione omogenea e non fessurata				
posizione asse neutro da estradosso	x	cm	22,71	
coefficiente omogeneizzazione (n=7)	n		7	
momento inerzia ideale sezione	J_{ci}	cm4	557935	
Momento di fessurazione	M_{sr}	kgcm		548173
tensione cls al lembo sup. Ac eff	σ_2	kg/cmq		10,8
tensione cls al lembo inf. Ac eff	σ_1	kg/cmq		21,9
sezione fessurata				
posizione asse neutro da estradosso	x	cm	13,07	
coefficiente omogeneizzazione	n		15	
momento inerzia ideale sezione	J_{ci}	cm4	254757	
tensione acciaio per Msr	σ_{sr}	kg/cmq		885
Momento di calcolo (event. corr.)	M_d'	kgcm	1100400	
tensione acciaio per Md	σ_s	kg/cmq		1777
coeff.aderenza acc/cls (0.8 am - 1.6 l)	k_1		0,8	
coeff. (0,5 flessione-1,0 trazione pura)	k_2		0,5	
distanza media delle fessure	s_{sm}	mm		135,83
coeff.aderenza acciaio/cls(1 am - 0.5 l)	β_1		1	
coeff.sollecitazione(1 breve - 0.5 lun/rip)	β_2		0,5	
deformazione unit.media armatura	ϵ_{sm}			0,000741
valore caratt.apertura fessure	w_k	mm		0,171

VERIFICA DI SEZIONE IN C.A. ALLO STATO LIMITE DI FESSURAZIONE (EC2)

corpo "33" - tr 202/8

parametro	sim.	u.m.	input	risultato
dati generali				
armatura tesa (1° strato)	A_{1s}	cmq	25,12	
armatura tesa (2° strato)	A_{2s}	cmq	0	
armatura compressa	A_{3s}	cmq	15,2	
tens.caratteristica rottura acciaio	f_{yk}	kg/cmq	4300	
resistenza caratt. a compressione cls cubica	R_{ck}	kg/cmq	300	
resistenza caratt. a compressione cls cilindrica	f_{ck}	kg/cmq	249	
resistenza caratt.media a trazione cls	f_{ctm}	kg/cmq		26,1
coeff.moltip. per sezione inflessa (NAD)			1,2	
resistenza caratt.inferiore a trazione cls	f_{ctk}	kg/cmq		21,90
copriferro armatura tesa (1° strato)	c	cm	4,5	
copriferro armatura tesa (2° strato)	s	cm	0	
copriferro sul baricentro della barra di As	C	cm	4,5	
copriferro armatura compressa A's	c'	cm	4,0	
intraferro armature fra barre dello stesso strato	i	cm	13,0	
diametro barre armatura tesa	ϕ	mm	20	
larghezza sezione	B	cm	100	
altezza sezione	H	cm	45	
altezza area efficace	h_{eff}	cm	11,25	
zona efficace dell'armatura	$A_{c_{eff}}$	cmq		1125
rapporto As/Ac eff	ρ			0,0223
sezione omogenea e non fessurata				
posizione asse neutro da estradosso	x	cm	22,75	
coefficiente omogeneizzazione (n=7)	n		7	
momento inerzia ideale sezione	J_{ci}	cm ⁴	850495	
Momento di fessurazione	M_{sr}	kgcm		837116
tensione cls al lembo sup. Ac eff	σ_2	kg/cmq		10,8
tensione cls al lembo inf. Ac eff	σ_1	kg/cmq		21,9
sezione fessurata				
posizione asse neutro da estradosso	x	cm	12,99	
coefficiente omogeneizzazione	n		15	
momento inerzia ideale sezione	J_{ci}	cm ⁴	376654	
tensione acciaio per Msr	σ_{sr}	kg/cmq		917
Momento di calcolo (event. corr.)	M_d'	kgcm	1713900	
tensione acciaio per Md	σ_s	kg/cmq		1878
coeff.aderenza acc/cls (0.8 am - 1.6 l)	k_1		0,8	
coeff. (0,5 flessione-1,0 trazione pura)	k_2		0,5	
distanza media delle fessure	s_{sm}	mm		139,57
coeff.aderenza acciaio/cls(1 am - 0.5 l)	β_1		1	
coeff.sollecitazione(1 breve - 0.5 lun/rip)	β_2		0,5	
deformazione unit.media armatura	ϵ_{sm}			0,000788
valore caratt.apertura fessure	w_k	mm		0,187

VERIFICA DI SEZIONE IN C.A. ALLO STATO LIMITE DI FESSURAZIONE (EC2)

corpo "33" - tr 205/1

parametro	sim.	u.m.	input	risultato
dati generali				
armatura tesa (1° strato)	A_{1s}	cmq	30,41	
armatura tesa (2° strato)	A_{2s}	cmq	0	
armatura compressa	A_{3s}	cmq	11,4	
tens.caratteristica rottura acciaio	f_{yk}	kg/cmq	4300	
resistenza caratt. a compressione cls cubica	R_{ck}	kg/cmq	300	
resistenza caratt. a compressione cls cilindrica	f_{ck}	kg/cmq	249	
resistenza caratt.media a trazione cls	f'_{ctm}	kg/cmq		26,1
coeff.moltipl. per sezione inflessa (NAD)			1,2	
resistenza caratt.inferiore a trazione cls	f_{ctk}	kg/cmq		21,90
copriferro armatura tesa (1° strato)	c	cm	4,5	
copriferro armatura tesa (2° strato)	s	cm	0	
copriferro sul baricentro della barra di As	C	cm	4,5	
copriferro armatura compressa A's	c'	cm	4,0	
intraferro armature fra barre dello stesso strato	i	cm	9,0	
diametro barre armatura tesa	ϕ	mm	22	
larghezza sezione	B	cm	70	
altezza sezione	H	cm	45	
altezza area efficace	h_{eff}	cm	11,25	
zona efficace dell'armatura	Ac_{eff}	cmq		787,5
rapporto As/Ac eff	ρ			0,0386
sezione omogenea e non-fessurata				
posizione asse neutro da estradosso	x	cm	23,18	
coefficiente omogeneizzazione (n=7)	n		7	
momento inerzia ideale sezione	J_{ci}	cm ⁴	624722	
Momento di fessurazione	M_{sr}	kgcm		627012
tensione cls al lembo sup. Ac eff	σ_2	kg/cmq		10,6
tensione cls al lembo inf. Ac eff	σ_1	kg/cmq		21,9
sezione fessurata				
posizione asse neutro da estradosso	x	cm	16,14	
coefficiente omogeneizzazione	n		15	
momento inerzia ideale sezione	J_{ci}	cm ⁴	393990	
tensione acciaio per Msr	σ_{sr}	kg/cmq		582
Momento di calcolo (event. corr.)	M_d'	kgcm	1730600	
tensione acciaio per Md	σ_s	kg/cmq		1605
coeff.aderenza acc/cls (0.8 am - 1.6 l)	k_1		0,8	
coeff. (0,5 flessione-1,0 trazione pura)	k_2		0,5	
distanza media delle fessure	s_{rm}	mm		106,97
coeff.aderenza acciaio/cls(1 am - 0.5 l)	β_1		1	
coeff.sollecitazione(1 breve - 0.5 lun/rip)	β_2		0,5	
deformazione unit.media armatura	ϵ_{sm}			0,000714
valore caratt.apertura fessure	w_k	mm		0,130

VERIFICA DI SEZIONE IN C.A. ALLO STATO LIMITE DI FESSURAZIONE (EC2)

corpo "33" - tr 206/1

parametro	sim.	u.m.	input	risultato
dati generali				
armatura tesa (1° strato)	A_{1s}	cmq	26,6	
armatura tesa (2° strato)	A_{2s}	cmq	0	
armatura compressa	A_{3s}	cmq	9,42	
tens.caratteristica rottura acciaio	f_{yk}	kg/cmq	4300	
resistenza caratt. a compressione cls cubica	R_{ck}	kg/cmq	300	
resistenza caratt. a compressione cls cilindrica	f_{ck}	kg/cmq	249	
resistenza caratt.media a trazione cls	f_{ctm}	kg/cmq		26,1
coeff.moltip. per sezione inflessa (NAD)			1,2	
resistenza caratt.inferiore a trazione cls	f_{ctk}	kg/cmq		21,90
copriferro armatura tesa (1° strato)	c	cm	4,5	
copriferro armatura tesa (2° strato)	s	cm	0	
copriferro sul baricentro della barra di As	C	cm	4,5	
copriferro armatura compressa A's	c'	cm	4,0	
intraferro armature fra barre dello stesso strato	i	cm	7,0	
diametro barre armatura tesa	ϕ	mm	22	
larghezza sezione	B	cm	50	
altezza sezione	H	cm	45	
altezza area efficace	h_{eff}	cm	11,25	
zona efficace dell'armatura	Ac_{eff}	cmq		562,5
rapporto As/Ac eff	ρ			0,0473
sezione omogenea e non fessurata				
posizione asse neutro da estradosso	x	cm	23,35	
coefficiente omogeneizzazione (n=7)	n		7	
momento inerzia ideale sezione	J_{ci}	cm ⁴	459509	
Momento di fessurazione	M_{sr}	kgcm		464815
tensione cls al lembo sup. Ac eff	σ_2	kg/cmq		10,5
tensione cls al lembo inf. Ac eff	σ_1	kg/cmq		21,9
sezione fessurata				
posizione asse neutro da estradosso	x	cm	17,28	
coefficiente omogeneizzazione	n		15	
momento inerzia ideale sezione	J_{ci}	cm ⁴	326044	
tensione acciaio per Msr	σ_{sr}	kg/cmq		497
Momento di calcolo (event. corr.)	M_d'	kgcm	765200	
tensione acciaio per Md	σ_s	kg/cmq		817
coeff.aderenza acc/cls (0.8 am - 1.6 l)	k_1		0,8	
coeff. (0,5 flessione-1,0 trazione pura)	k_2		0,5	
distanza media delle fessure	s_{fm}	mm		96,52
coeff.aderenza acciaio/cls(1 am - 0.5 l)	β_1		1	
coeff.sollecitazione(1 breve - 0.5 lun/rip)	β_2		0,5	
deformazione unit.media armatura	ϵ_{sm}			0,000317
valore caratt.apertura fessure	w_k	mm		0,052

VERIFICA DI SEZIONE IN C.A. ALLO STATO LIMITE DI FESSURAZIONE (EC2)

corpo "33" - tr 206/2

parametro	sim.	u.m.	input	risultato
dati generali				
armatura tesa (1° strato)	A_{1s}	cmq	21,98	
armatura tesa (2° strato)	A_{2s}	cmq	0	
armatura compressa	A_{3s}	cmq	9,42	
tens.caratteristica rottura acciaio	f_{yk}	kg/cmq	4300	
resistenza caratt. a compressione cls cubica	R_{ck}	kg/cmq	300	
resistenza caratt. a compressione cls cilindrica	f_{ck}	kg/cmq	249	
resistenza caratt.media a trazione cls	f_{ctm}	kg/cmq		26,1
coeff.moltipl. per sezione inflessa (NAD)			1,2	
resistenza caratt.inferiore a trazione cls	f_{ctk}	kg/cmq		21,90
copriferro armatura tesa (1° strato)	c	cm	4,5	
copriferro armatura tesa (2° strato)	s	cm	0	
copriferro sul baricentro della barra di As	C	cm	4,5	
copriferro armatura compressa A's	c'	cm	4,0	
intraferro armature fra barre dello stesso strato	i	cm	7,0	
diametro barre armatura tesa	ϕ	mm	20	
larghezza sezione	B	cm	50	
altezza sezione	H	cm	45	
altezza area efficace	h_{eff}	cm	11,25	
zona efficace dell'armatura	$A_{c_{eff}}$	cmq		562,5
rapporto As/Ac eff	ρ			0,0391
sezione omogenea e non fessurata				
posizione asse neutro da estradosso	x	cm	23,13	
coefficiente omogeneizzazione (n=7)	n		7	
momento inerzia ideale sezione	J_{ci}	cm ⁴	449889	
Momento di fessurazione	M_{sr}	kgcm		450506
tensione cls al lembo sup. Ac eff	σ_2	kg/cmq		10,6
tensione cls al lembo inf. Ac eff	σ_1	kg/cmq		21,9
sezione fessurata				
posizione asse neutro da estradosso	x	cm	16,04	
coefficiente omogeneizzazione	n		15	
momento inerzia ideale sezione	J_{ci}	cm ⁴	286520	
tensione acciaio per Msr	σ_{sr}	kg/cmq		577
Momento di calcolo (event. corr.)	M_d'	kgcm	943400	
tensione acciaio per Md	σ_s	kg/cmq		1208
coeff.aderenza acc/cls (0.8 am - 1.6 l)	k_1		0,8	
coeff. (0,5 flessione-1,0 trazione pura)	k_2		0,5	
distanza media delle fessure	s_{mm}	mm		101,18
coeff.aderenza acciaio/cls(1 am - 0.5 l)	β_1		1	
coeff.sollecitazione(1 breve - 0.5 lun/rip)	β_2		0,5	
deformazione unit.media armatura	ϵ_{sm}			0,000510
valore caratt.apertura fessure	w_k	mm		0,088

VERIFICA DI SEZIONE IN C.A. ALLO STATO LIMITE DI FESSURAZIONE (EC2)

corpo "33" - tr 301/5

parametro	sim.	u.m.	input	risultato
dati generali				
armatura tesa (1° strato)	A_{1s}	cmq	15,24	
armatura tesa (2° strato)	A_{2s}	cmq	0	
armatura compressa	A_{3s}	cmq	9,42	
tens.caratteristica rottura acciaio	f_{yk}	kg/cmq	4300	
resistenza caratt. a compressione cls cubica	R_{ck}	kg/cmq	300	
resistenza caratt. a compressione cls cilindrica	f_{ck}	kg/cmq	249	
resistenza caratt.media a trazione cls	f'_{ctm}	kg/cmq		26,1
coeff.moltipl. per sezione inflessa (NAD)			1,2	
resistenza caratt.inferiore a trazione cls	f_{ctk}	kg/cmq		21,90
copriferro armatura tesa (1° strato)	c	cm	4,5	
copriferro armatura tesa (2° strato)	s	cm	0	
copriferro sul baricentro della barra di A_s	C	cm	4,5	
copriferro armatura compressa A_s	c'	cm	4,0	
intraferro armature fra barre dello stesso strato	i	cm	11,5	
diametro barre armatura tesa	ϕ	mm	18	
larghezza sezione	B	cm	60	
altezza sezione	H	cm	45	
altezza area efficace	h_{eff}	cm	11,25	
zona efficace dell'armatura	Ac_{eff}	cmq		675
rapporto A_s/Ac_{eff}	ρ			0,0226
sezione omogenea e non fessurata				
posizione asse neutro da estradosso	x	cm	22,74	
coefficiente omogeneizzazione ($n=7$)	n		7	
momento inerzia ideale sezione	J_{ci}	cm ⁴	511367	
Momento di fessurazione	M_{sr}	kgcm		503097
tensione cls al lembo sup. Ac_{eff}	σ_2	kg/cmq		10,8
tensione cls al lembo inf. Ac_{eff}	σ_1	kg/cmq		21,9
sezione fessurata				
posizione asse neutro da estradosso	x	cm	13,01	
coefficiente omogeneizzazione	n		15	
momento inerzia ideale sezione	J_{ci}	cm ⁴	228265	
tensione acciaio per M_{sr}	σ_{sr}	kg/cmq		909
Momento di calcolo (event. corr.)	M_d'	kgcm	1095500	
tensione acciaio per M_d	σ_s	kg/cmq		1979
coeff.aderenza acc/cls (0.8 am - 1.6 l)	k_1		0,8	
coeff. (0,5 flessione-1,0 trazione pura)	k_2		0,5	
distanza media delle fessure	s_{sm}	mm		129,72
coeff.aderenza acciaio/cls (1 am - 0.5 l)	β_1		1	
coeff.sollecitazione (1 breve - 0.5 lun/rip)	β_2		0,5	
deformazione unit.media armatura	ϵ_{sm}			0,000843
valore caratt.apertura fessure	w_k	mm		0,186

VERIFICA DI SEZIONE IN C.A. ALLO STATO LIMITE DI FESSURAZIONE (EC2)

corpo "33" - tr 306/1

parametro	sim.	u.m.	input	risultato
dati generali				
armatura tesa (1° strato)	A_{1s}	cmq	45,2	
armatura tesa (2° strato)	A_{2s}	cmq	0	
armatura compressa	A_{3s}	cmq	18,08	
tens.caratteristica rottura acciaio	f_{yk}	kg/cmq	4300	
resistenza caratt. a compressione cls cubica	R_{ck}	kg/cmq	300	
resistenza caratt. a compressione cls cilindrica	f_{ck}	kg/cmq	249	
resistenza caratt.media a trazione cls	f_{ctm}	kg/cmq		26,1
coeff.moltip. per sezione inflessa (NAD)			1,2	
resistenza caratt.inferiore a trazione cls	f_{ctk}	kg/cmq		21,90
copriferro armatura tesa (1° strato)	c	cm	4,5	
copriferro armatura tesa (2° strato)	s	cm	0	
copriferro sul baricentro della barra di A_s	C	cm	4,5	
copriferro armatura compressa A'_s	c'	cm	4,0	
intraferro armature fra barre dello stesso strato	i	cm	8,0	
diametro barre armatura tesa	ϕ	mm	24	
larghezza sezione	B	cm	80	
altezza sezione	H	cm	45	
altezza area efficace	h_{eff}	cm	11,25	
zona efficace dell'armatura	$A_{c_{eff}}$	cmq		900
rapporto $A_s/A_{c_{eff}}$	ρ			0,0502
sezione omogenea e non fessurata				
posizione asse neutro da estradosso	x	cm	23,33	
coefficiente omogeneizzazione ($n=7$)	n		7	
momento inerzia ideale sezione	J_{ci}	cm ⁴	748132	
Momento di fessurazione	M_{sr}	kgcm		756072
tensione cls al lembo sup. A_c eff	σ_2	kg/cmq		10,5
tensione cls al lembo inf. A_c eff	σ_1	kg/cmq		21,9
sezione fessurata				
posizione asse neutro da estradosso	x	cm	17,42	
coefficiente omogeneizzazione	n		15	
momento inerzia ideale sezione	J_{ci}	cm ⁴	550969	
tensione acciaio per M_{sr}	σ_{sr}	kg/cmq		475
Momento di calcolo (event. corr.)	$M_{d'}$	kgcm	1751000	
tensione acciaio per M_d	σ_s	kg/cmq		1100
coeff.aderenza acc/cls (0.8 am - 1.6 l)	k_1		0,8	
coeff. (0,5 flessione-1,0 trazione pura)	k_2		0,5	
distanza media delle fessure	s_{sm}	mm		97,79
coeff.aderenza acciaio/cls (1 am - 0.5 l)	β_1		1	
coeff.sollecitazione (1 breve - 0.5 lun/rip)	β_2		0,5	
deformazione unit.media armatura	ϵ_{sm}			0,000475
valore caratt.apertura fessure	w_k	mm		0,079

VERIFICA DI SEZIONE IN C.A. ALLO STATO LIMITE DI FESSURAZIONE (EC2)

corpo "33" - tr 306/2

parametro	sim.	u.m.	input	risultato
dati generali				
armatura tesa (1° strato)	A_{1s}	cmq	36,16	
armatura tesa (2° strato)	A_{2s}	cmq	0	
armatura compressa	A_{3s}	cmq	18,08	
tens.caratteristica rottura acciaio	f_{yk}	kg/cmq	4300	
resistenza caratt. a compressione cls cubica	R_{ck}	kg/cmq	300	
resistenza caratt. a compressione cls cilindrica	f_{ck}	kg/cmq	249	
resistenza caratt.media a trazione cls	f_{ctm}	kg/cmq		26,1
coeff.moltipl. per sezione inflessa (NAD)			1,2	
resistenza caratt.inferiore a trazione cls	f_{ctk}	kg/cmq		21,90
copriferro armatura tesa (1° strato)	c	cm	4,5	
copriferro armatura tesa (2° strato)	s	cm	0	
copriferro sul baricentro della barra di A_s	C	cm	4,5	
copriferro armatura compressa A_s	c'	cm	4,0	
intraferro armature fra barre dello stesso strato	i	cm	10,0	
diametro barre armatura tesa	ϕ	mm	24	
larghezza sezione	B	cm	80	
altezza sezione	H	cm	45	
altezza area efficace	h_{eff}	cm	11,25	
zona efficace dell'armatura	Ac_{eff}	cmq		900
rapporto A_s/Ac_{eff}	ρ			0,0402
sezione omogenea e non fessurata				
posizione asse neutro da estradosso	x	cm	23,06	
coefficiente omogeneizzazione ($n=7$)	n		7	
momento inerzia ideale sezione	J_{ci}	cm ⁴	729213	
Momento di fessurazione	M_{sr}	kgcm		727883
tensione cls al lembo sup. Ac_{eff}	σ_2	kg/cmq		10,7
tensione cls al lembo inf. Ac_{eff}	σ_1	kg/cmq		21,9
sezione fessurata				
posizione asse neutro da estradosso	x	cm	15,97	
coefficiente omogeneizzazione	n		15	
momento inerzia ideale sezione	J_{ci}	cm ⁴	473845	
tensione acciaio per M_{sr}	σ_{sr}	kg/cmq		565
Momento di calcolo (event. corr.)	M_d'	kgcm	1105600	
tensione acciaio per M_d	σ_s	kg/cmq		859
coeff.aderenza acc/cls (0.8 am - 1.6 l)	k_1		0,8	
coeff. (0,5 flessione-1,0 trazione pura)	k_2		0,5	
distanza media delle fessure	s_{rm}	mm		109,73
coeff.aderenza acciaio/cls(1 am - 0.5 l)	β_1		1	
coeff.sollecitazione(1 breve - 0.5 lun/rip)	β_2		0,5	
deformazione unit.media armatura	ϵ_{sm}			0,000320
valore caratt.apertura fessure	w_k	mm		0,060

VERIFICA DI SEZIONE IN C.A. ALLO STATO LIMITE DI FESSURAZIONE (EC2)

corpo "33" - tr 401/5

parametro	sim.	u.m.	input	risultato
dati generali				
armatura tesa (1° strato)	A_{1s}	cmq	15,24	
armatura tesa (2° strato)	A_{2s}	cmq	0	
armatura compressa	A_{3s}	cmq	9,42	
tens.caratteristica rottura acciaio	f_{yk}	kg/cmq	4300	
resistenza caratt. a compressione cls cubica	R_{ck}	kg/cmq	300	
resistenza caratt. a compressione cls cilindrica	f_{ck}	kg/cmq	249	
resistenza caratt.media a trazione cls	f'_{ctm}	kg/cmq		26,1
coeff.moltipl. per sezione inflessa (NAD)			1,2	
resistenza caratt.inferiore a trazione cls	f_{ctk}	kg/cmq		21,90
copriferro armatura tesa (1° strato)	c	cm	4,5	
copriferro armatura tesa (2° strato)	s	cm	0	
copriferro sul baricentro della barra di A_s	C	cm	4,5	
copriferro armatura compressa A'_s	c'	cm	4,0	
intraferro armature fra barre dello stesso strato	i	cm	11,5	
diametro barre armatura tesa	ϕ	mm	18	
larghezza sezione	B	cm	60	
altezza sezione	H	cm	45	
altezza area efficace	h_{eff}	cm	11,25	
zona efficace dell'armatura	$A_{c_{eff}}$	cmq		675
rapporto $A_s/A_{c_{eff}}$	ρ			0,0226
sezione omogenea e non fessurata				
posizione asse neutro da estradosso	x	cm	22,74	
coefficiente omogeneizzazione ($n=7$)	n		7	
momento inerzia ideale sezione	J_{ci}	cm ⁴	511367	
Momento di fessurazione	M_{sr}	kgcm		503097
tensione cls al lembo sup. $A_{c_{eff}}$	σ_2	kg/cmq		10,8
tensione cls al lembo inf. $A_{c_{eff}}$	σ_1	kg/cmq		21,9
sezione fessurata				
posizione asse neutro da estradosso	x	cm	13,01	
coefficiente omogeneizzazione	n		15	
momento inerzia ideale sezione	J_{ci}	cm ⁴	228265	
tensione acciaio per M_{sr}	σ_{sr}	kg/cmq		909
Momento di calcolo (event. corr.)	M_d'	kgcm	1095500	
tensione acciaio per M_d	σ_s	kg/cmq		1979
coeff.aderenza acc/cls (0.8 am - 1.6 l)	k_1		0,8	
coeff. (0,5 flessione-1,0 trazione pura)	k_2		0,5	
distanza media delle fessure	s_{sm}	mm		129,72
coeff.aderenza acciaio/cls (1 am - 0.5 l)	β_1		1	
coeff.sollecitazione (1 breve - 0.5 lun/rip)	β_2		0,5	
deformazione unit.media armatura	ϵ_{sm}			0,000843
valore caratt.apertura fessure	w_k	mm		0,186

VERIFICA DI SEZIONE IN C.A. ALLO STATO LIMITE DI FESSURAZIONE (EC2)

corpo "33" - tr 505/1

parametro	sim.	u.m.	input	risultato
dati generali				
armatura tesa (1° strato)	A_{1s}	cmq	25,12	
armatura tesa (2° strato)	A_{2s}	cmq	0	
armatura compressa	A_{3s}	cmq	11,4	
tens.caratteristica rottura acciaio	f_{yk}	kg/cmq	4300	
resistenza caratt. a compressione cls cubica	R_{ck}	kg/cmq	300	
resistenza caratt. a compressione cls cilindrica	f_{ck}	kg/cmq	249	
resistenza caratt.media a trazione cls	f_{ctm}	kg/cmq		26,1
coeff.moltip. per sezione inflessa (NAD)			1,2	
resistenza caratt.inferiore a trazione cls	f_{ctk}	kg/cmq		21,90
copriferro armatura tesa (1° strato)	c	cm	4,5	
copriferro armatura tesa (2° strato)	s	cm	0	
copriferro sul baricentro della barra di A_s	C	cm	4,5	
copriferro armatura compressa $A's$	c'	cm	4,0	
intraferro armature fra barre dello stesso strato	i	cm	9,0	
diametro barre armatura tesa	ϕ	mm	20	
larghezza sezione	B	cm	70	
altezza sezione	H	cm	45	
altezza area efficace	h_{eff}	cm	11,25	
zona efficace dell'armatura	Ac_{eff}	cmq		787,5
rapporto A_s/Ac_{eff}	ρ			0,0319
sezione omogenea e non fessurata				
posizione asse neutro da estradosso	x	cm	23,00	
coefficiente omogeneizzazione ($n=7$)	n		7	
momento inerzia ideale sezione	J_{ci}	cm ⁴	613513	
Momento di fessurazione	M_{sr}	kgcm		610724
tensione cls al lembo sup. Ac_{eff}	σ_2	kg/cmq		10,7
tensione cls al lembo inf. Ac_{eff}	σ_1	kg/cmq		21,9
sezione fessurata				
posizione asse neutro da estradosso	x	cm	14,96	
coefficiente omogeneizzazione	n		15	
momento inerzia ideale sezione	J_{ci}	cm ⁴	344446	
tensione acciaio per M_{sr}	σ_{sr}	kg/cmq		679
Momento di calcolo (event. corr.)	M_d'	kgcm	1299300	
tensione acciaio per M_d'	σ_s	kg/cmq		1445
coeff.aderenza acc/cls (0.8 am - 1.6 l)	k_1		0,8	
coeff. (0,5 flessione-1,0 trazione pura)	k_2		0,5	
distanza media delle fessure	s_{sm}	mm		112,70
coeff.aderenza acciaio/cls(1 am - 0.5 l)	β_1		1	
coeff.sollecitazione(1 breve - 0.5 lun/rip)	β_2		0,5	
deformazione unit.media armatura	ϵ_{sm}			0,000612
valore caratt.apertura fessure	w_k	mm		0,117

VERIFICA DI SEZIONE IN C.A. ALLO STATO LIMITE DI FESSURAZIONE (EC2)

corpo "33" - tr 501/5

parametro	sim.	u.m.	input	risultato
dati generali				
armatura tesa (1° strato)	A_{1s}	cmq	10,05	
armatura tesa (2° strato)	A_{2s}	cmq	0	
armatura compressa	A_{3s}	cmq	7,62	
tens.caratteristica rottura acciaio	f_{yk}	kg/cmq	4300	
resistenza caratt. a compressione cls cubica	R_{ck}	kg/cmq	300	
resistenza caratt. a compressione cls cilindrica	f_{ck}	kg/cmq	249	
resistenza caratt.media a trazione cls	f'_{ctm}	kg/cmq		26,1
coeff.moltip. per sezione inflessa (NAD)			1,2	
resistenza caratt.inferiore a trazione cls	f_{ctk}	kg/cmq		21,90
copriferro armatura tesa (1° strato)	c	cm	4,5	
copriferro armatura tesa (2° strato)	s	cm	0	
copriferro sul baricentro della barra di A_s	C	cm	4,5	
copriferro armatura compressa $A's$	c'	cm	4,0	
intraferro armature fra barre dello stesso strato	i	cm	10,5	
diametro barre armatura tesa	ϕ	mm	16	
larghezza sezione	B	cm	50	
altezza sezione	H	cm	45	
altezza area efficace	h_{eff}	cm	11,25	
zona efficace dell'armatura	$A_{c_{eff}}$	cmq		562,5
rapporto $A_s/A_{c_{eff}}$	ρ			0,0179
sezione omogenea e non fessurata				
posizione asse neutro da estradosso	x	cm	22,62	
coefficiente omogeneizzazione ($n=7$)	n		7	
momento inerzia ideale sezione	J_{ci}	cm ⁴	419724	
Momento di fessurazione	M_{sr}	kgcm		410722
tensione cls al lembo sup. $A_{c_{eff}}$	σ_2	kg/cmq		10,9
tensione cls al lembo inf. $A_{c_{eff}}$	σ_1	kg/cmq		21,9
sezione fessurata				
posizione asse neutro da estradosso	x	cm	11,81	
coefficiente omogeneizzazione	n		15	
momento inerzia ideale sezione	J_{ci}	cm ⁴	158510	
tensione acciaio per M_{sr}	σ_{sr}	kg/cmq		1115
Momento di calcolo (event. corr.)	M_d'	kgcm	668100	
tensione acciaio per M_d	σ_s	kg/cmq		1814
coeff.aderenza acc/cls (0.8 am - 1.6 l)	k_1		0,8	
coeff. (0,5 flessione-1,0 trazione pura)	k_2		0,5	
distanza media delle fessure	s_{sm}	mm		139,55
coeff.aderenza acciaio/cls (1 am - 0.5 l)	β_1		1	
coeff.sollecitazione (1 breve - 0.5 lun/rip)	β_2		0,5	
deformazione unit.media armatura	ϵ_{sm}			0,000701
valore caratt.apertura fessure	w_k	mm		0,166

ARMATURE TRAVI PREFABBRICATE

Stampa relazione travi CONA "33" 1° solaio - 04.12.2007

N	L(cm)	Armatura longitudinale		L cm	Staffe tral.
		inf.	sup.		
vert.					

101	50	4#22 (149)	3#26 (180) + 2#24 (180)	-----	
				48	12/7.5
				-	
				75	14/25.0
				-	
101/01	380	7#22	3#22	125	12/25.0
				-	
				75	14/25.0
				-	
-----				48	12/7.5
102	50	3#22 (210)	5#24 (290)	-----	
				50	12/7.5
				-	
				75	14/25.0
				-	
101/02	430	5#22+ 2#24	3#22	175	12/25.0
				-	
				75	14/25.0
				-	
-----				50	12/7.5
103	50	3#22 (210)	3#22 (290) + 2#24 (290)	-----	
				50	12/10.0
				-	
				75	12/25.0
				-	
101/03	429	2#20+ 5#22	3#22	175	10/25.0
				-	
				75	12/25.0
				-	
-----				50	12/10.0
104	50	3#22 (210)	3#22 (290) + 2#24 (290)	-----	
				50	12/10.0
				-	
				75	12/25.0
				-	
101/04	430	2#20+ 5#22	3#22	175	10/25.0
				-	
				75	12/25.0
				-	
-----				50	12/10.0
105	50	3#22 (209)	3#22 (290) + 2#24 (290)	-----	
				50	12/10.0
				-	
				75	12/25.0
				-	
101/05	429	2#20+ 5#22	3#22	175	10/25.0
				-	
				75	12/25.0
				-	
-----				50	12/10.0
106	50	3#22 (209)	2#24 (290) + 3#22 (290)	-----	

Stampa relazione travi CONA "33" 1° solaio - 04.12.2007

N	L(cm)	Armatura longitudinale		L	Staffe
vert.		inf.	sup.	cm	tral.
106	50	3#22 (209)	2#24 (290) + 3#22 (290)	50	12/10.0
101/06	429	2#20+ 5#22	3#22	75	12/25.0
				175	10/25.0
				75	12/25.0
107	50	3#22 (209)	2#24 (290) + 3#22 (290)	50	12/10.0
101/07	429	5#22+ 2#20	3#22	50	12/10.0
				75	12/25.0
				175	10/25.0
				75	12/25.0
108	50	3#22 (209)	2#24 (290) + 3#22 (290)	50	12/10.0
101/08	430	5#22+ 2#20	3#22	50	12/10.0
				75	12/25.0
				175	10/25.0
				75	12/25.0
109	50	3#24 (209)	5#24 (290)	50	12/10.0
101/09	429	8#24	3#24	56	12/7.5
				75	14/25.0
				175	12/25.0
				75	14/25.0
110	50	3#24 (209)	5#24 (290)	56	12/7.5
101/10	309	2#20+ 3#22	3#22	56	12/7.5
				25	12/25.0
				150	10/25.0
				25	12/25.0
185	30	3#22 (130)	4#20 (150)	56	12/7.5

Stampa relazione travi CONA "33" 1° solaio - 04.12.2007

N	L(cm)	Armatura longitudinale		L	Staffe
vert.		inf.	sup.	cm	tral.
112	60	5#26(169)	7#24(180)	48	14/7.5
102/01	370	2#24+ 6#26	3#24	75	16/25.0
125				75	14/25.0
				75	16/25.0
113	60	5#24(239)	7#26(300)	48	14/7.5
102/02	274	8#20	3#24	48	14/7.5
				50	16/25.0
				75	14/25.0
				50	16/25.0
114	40	3#26(140) 3#26(230)	4#24(170) 4#26(300)	48	14/7.5
102/03	282	5#22	2#24	50	12/7.5
				175	14/25.0
115	120	3#26(300)	4#24(300)	50	12/7.5
102/04	192	5#22	2#24	48	12/7.5
				100	14/25.0
116	40	3#26(229) 2#26(136)	4#26(270) 3#22(170)	48	12/7.5
102/05	429	8#20	3#24	56	12/7.5
				75	14/25.0
				175	12/25.0
				75	14/25.0
117	60	5#24(240)	6#26(300)	56	12/7.5

Stampa relazione travi CONA "33" 1° solaio - 04.12.2007

N	L(cm)	Armatura longitudinale		L	Staffe
vert.		inf.	sup.	cm	tral.
117	60	5#24 (240)	6#26 (300)	48	14/7.5
102/06	420	4#24+ 4#26	3#24	75	16/25.0
118	60	5#22 (240)	6#26 (300)	48	14/7.5
102/07	420	4#24+ 4#26	3#24	75	16/25.0
119	60	5#22 (240)	6#26 (300)	48	14/7.5
102/08	420	4#26+ 4#24	3#24	75	16/25.0
120	60	5#22 (240)	6#26 (300)	48	14/7.5
102/09	420	4#26+ 4#24	3#24	75	16/25.0
121	60	5#22 (240)	8#26 (300)	64	16/7.5
102/10	420	2#22+ 11#24	4#26	75	16/25.0+10/25.0
122	60	5#22 (240)	2#24 (300) + 6#26 (300)	64	16/7.5

Stampa relazione travi CONA "33" 1° solaio - 04.12.2007

N	L(cm)	Armatura longitudinale		L cm	Staffe tral.
		inf.	sup.		
vert.					
-----				-----	
122	60	5#22 (240)	2#24 (300) + 6#26 (300)	56	14/7.5
-----				-	
				50	16/25.0
				-	
102/11	304	9#24	3#24	100	14/25.0
				-	
				50	16/25.0
				-	
-----				56	14/7.5
186	30	4#22 (128)	5#24 (160)	-----	

LA TRAVATA 103 E' ARMATA ALLO STESSO MODO.

Stampa relazione travi CONA "33" 1° solaio - 04.12.2007

N	L(cm)	Armatura longitudinale		L	Staffe
vert.		inf.	sup.	cm	tral.
136	50	4#22 (149)	2#24 (180) + 3#26 (180)	48	12/7.5
104/01	379	7#22	3#22	75	14/25.0
125				75	12/25.0
75				75	14/25.0
137	50	3#24 (210)	5#24 (290)	48	12/7.5
50				50	12/7.5
75				75	14/25.0
104/02	429	5#22+ 2#24	3#22	175	12/25.0
75				75	14/25.0
50				50	12/7.5
138	50	3#22 (210)	2#24 (290) + 3#22 (290)	50	12/10.0
75				75	12/25.0
104/03	430	2#20+ 5#22	3#22	175	10/25.0
75				75	12/25.0
50				50	12/10.0
139	50	3#22 (210)	3#22 (290) + 2#24 (290)	50	12/10.0
75				75	12/25.0
104/04	429	2#20+ 5#22	3#22	175	10/25.0
75				75	12/25.0
50				50	12/10.0
140	50	3#22 (209)	2#24 (290) + 3#22 (290)	50	12/10.0
75				75	12/25.0
104/05	429	2#20+ 5#22	3#22	175	10/25.0
75				75	12/25.0
50				50	12/10.0
141	50	3#22 (209)	2#24 (290) + 3#22 (290)		

Stampa relazione travi CONA "33" 1° solaio - 04.12.2007

N	L(cm)	Armatura longitudinale		L cm	Staffe tral.
		inf.	sup.		
vert.					

141	50	3#22 (209)	2#24 (290) + 3#22 (290)	-----	
-----				50	12/10.0
				-	
				75	12/25.0
				-	
104/06	430	2#20+ 5#22	3#22	175	10/25.0
				-	
				75	12/25.0
				-	
-----				50	12/10.0
142	50	3#22 (209)	2#24 (290) + 3#22 (290)	-----	
-----				50	12/10.0
				-	
				75	12/25.0
				-	
104/07	429	5#22+ 2#20	3#22	175	10/25.0
				-	
				75	12/25.0
				-	
-----				50	12/10.0
143	50	3#22 (209)	3#22 (290) + 2#24 (290)	-----	
-----				50	12/10.0
				-	
				75	12/25.0
				-	
104/08	430	5#22+ 2#20	3#22	175	10/25.0
				-	
				75	12/25.0
				-	
-----				50	12/10.0
144	50	3#24 (209)	5#24 (290)	-----	
-----				56	12/7.5
				-	
				75	14/25.0
				-	
104/09	429	8#24	3#24	175	12/25.0
				-	
				75	14/25.0
				-	
-----				56	12/7.5
145	50	3#24 (209)	5#24 (290)	-----	
-----				50	12/10.0
				-	
				50	12/25.0
				-	
104/10	309	3#22+ 2#20	3#22	100	10/25.0
				-	
				50	12/25.0
				-	
-----				50	12/10.0
188	30	3#22 (139)	4#20 (150)	-----	

Stampa relazione travi CONA "33" 1° solaio - 04.12.2007

N	L(cm)	Armatura longitudinale		L cm	Staffe tral.
		inf.	sup.		
vert.					

117	60	3#26 (150)	5#22 (210)	-----	
-----				48	12/7.5
				-	
				125	14/25.0
				-	
105/01	817	5#24+ 2#26	4#22	475	12/25.0
				-	
				125	14/25.0
				-	
-----				48	12/7.5
129	60	3#26 (150)	5#22 (210)	-----	

Stampa relazione travi CONA "33" 1° solaio - 04.12.2007

N	L(cm)	Armatura longitudinale		L cm	Staffe tral.
		inf.	sup.		
vert.					

101	40	5#22 (112)	6#22 (230)	-----	
-----				80	14/7.5
				-	
				150	16/25.0
				-	
106/01	955	13#24	5#26	500	14/25.0
				-	
				150	16/25.0
				-	
-----				80	14/7.5
112	50	5#22 (209)	7#24 (400)	-----	
-----				50	12/10.0
				-	
				-	
106/02	827	8#22	3#24	725	12/25.0
				-	
				-	
-----				50	12/10.0
124	50	5#22 (209)	7#24 (400)	-----	
-----				80	14/7.5
				-	
				150	16/25.0
				-	
106/03	955	13#24	5#26	500	14/25.0
				-	
				150	16/25.0
				-	
-----				80	14/7.5
136	40	5#22 (113)	6#22 (230)	-----	

Stampa relazione travi CONA "33" - 14.12.2007

N	L(cm)	Armatura longitudinale		L	Staffe
vert.		inf.	sup.	cm	tral.
201	50	5#20 (125)	6#24 (170)	48	12/7.5
201/01	380	6#20	3#22	75	14/25.0
202	50	5#20 (210)	3#24 (300) + 3#26 (300)	125	12/25.0
201/02	430	3#20+ 3#18	3#22	75	14/25.0
203	50	4#20 (210)	3#24 (300) + 3#26 (300)	48	12/7.5
201/03	429	3#20+ 3#18	3#22	40	12/7.5
204	50	4#20 (210)	3#24 (300) + 3#26 (300)	60	12/10.0
201/04	430	3#18+ 3#20	3#22	100	12/25.0
205	50	4#20 (210)	3#26 (300) + 3#24 (300)	100	10/25.0
201/05	429	3#18+ 3#20	3#22	100	12/25.0
206	50	4#20 (210)	3#24 (300) + 3#26 (300)	60	12/10.0

Stampa relazione travi CONA "33" - 14.12.2007

N	L(cm)	Armatura longitudinale		L	Staffe
vert.		inf.	sup.	cm	tral.
206	50	4#20(210)	3#24(300)+ 3#26(300)	60	12/10.0
201/06	429	3#20+ 3#18	3#22	100	12/25.0
207	50	4#20(209)	3#24(300)+ 3#26(300)	100	10/25.0
201/07	429	3#18+ 3#20	3#22	100	12/25.0
208	50	4#20(209)	3#24(300)+ 3#26(300)	60	12/10.0
201/08	430	3#18+ 3#20	3#22	50	12/10.0
209	50	4#22(209)	3#26(300)+ 3#24(300)	100	12/25.0
201/09	429	3#18+ 3#20	3#22	100	10/25.0
210	50	4#24(210)	3#26(300)+ 3#24(300)	100	12/25.0
201/10	314	4#20+ 1#22	3#26	60	12/10.0
211	40	5#22(210)*	5#24(240)*	40	12/10.0

LA TRAVATA 204 E' ARMATA ALLO STESSO MODO.

* PROLUNGARE GLI SPEZZONI INF. E SUP. A FILO ESTERNO DELLA TRAVE 7

Stampa relazione travi CONA "33" - 14.12.2007

N	L(cm)	Armatura longitudinale		L	Staffe
vert.		inf.	sup.	cm	tral.
-----				-----	
212	50	6#22 (169)	4#26 (190) + 4#24 (190)	48	14/7.5
-----				-	
				75	16/25.0
-----				-	
202/01	375	3#18+ 6#20	4#22	125	14/25.0
-----				-	
				75	16/25.0
-----				-	
213	60	6#22 (260)	3#24 (300) + 6#26 (300)	48	14/7.5
-----				-----	
				48	14/7.5
-----				-	
				50	16/25.0
-----				-	
202/02	274	3#18+ 6#20	4#22	75	14/25.0
-----				-	
				50	16/25.0
-----				-	
214	40	3#22 (144) 4#22 (239)	4#24 (160) 4#26 (280)	48	14/7.5
-----				-----	
				48	10/7.5
-----				-	
-----				-	
202/03	282	4#20	3#18	175	12/25.0
-----				-	
-----				-	
215	120	4#22 (300)	4#22 (320)	48	10/7.5
-----				-----	
				48	10/7.5
-----				-	
-----				-	
202/04	192	4#20	3#18	100	12/25.0
-----				-	
-----				-	
216	40	4#22 (239) 3#22 (145)	4#26 (280) 4#24 (160)	48	10/7.5
-----				-----	
				50	12/10.0
-----				-	
				75	14/25.0
-----				-	
202/05	429	3#18+ 6#20	4#22	175	12/25.0
-----				-	
				75	14/25.0
-----				-	
217	60	6#22 (259)	3#24 (300) + 6#26 (300)	50	12/10.0
-----				-----	

Stampa relazione travi CONA "33" - 14.12.2007

N	L(cm)	Armatura longitudinale		L	Staffe
vert.		inf.	sup.	cm	tral.
217	60	6#22 (259)	3#24 (300) + 6#26 (300)	48	14/7.5
202/06	420	3#18+ 6#20	4#22	75	16/25.0
218	60	6#22 (259)	6#26 (300) + 3#24 (300)	48	14/7.5
202/07	420	3#18+ 6#20	4#22	75	16/25.0
219	60	6#22 (259)	3#24 (300) + 6#26 (300)	48	14/7.5
202/08	420	3#18+ 6#20	4#22	75	16/25.0
220	60	6#22 (259)	3#24 (300) + 6#26 (300)	48	14/7.5
202/09	420	3#18+ 6#20	4#22	75	16/25.0
221	60	6#22 (259)	3#24 (300) + 6#26 (300)	48	14/7.5
202/10	420	3#18+ 6#20	4#22	75	16/25.0
222	60	6#22 (259)	3#24 (300) + 6#26 (300)	48	14/7.5

Stampa relazione travi CONA "33" - 14.12.2007

N	L(cm)	Armatura longitudinale		L cm	Staffe tral.
		inf.	sup.		
vert.					

222	60	6#22 (259)	3#24 (300) + 6#26 (300)	-----	
-----				56	12/7.5
				-	
				50	16/25.0
				-	
202/11	309	3#18+ 6#20	4#22	100	14/25.0
				-	
				50	16/25.0
-----				-	
223	40	6#24 (210) *	8#24 (240) *	56	12/7.5
-----				-----	

LA TRAVATA 203 E' ARMATA ALLO STESSO MODO.

* PROLUNGARE GLI SPEZZONI INF. E SUP. A FILO ESTERNO DELLA TRAVE 7

Stampa relazione travi CONA "33" - 14.12.2007

N	L(cm)	Armatura longitudinale		L cm	Staffe tral.
		inf.	sup.		
vert.					
-----				-----	
217	60	4#20 (130)	6#22 (230)	60	12/10.0
-----				-	
205/01	817	8#22	3#22	150	12/25.0
-----				-	
205/01	817	8#22	3#22	400	10/25.0
-----				-	
205/01	817	8#22	3#22	150	12/25.0
-----				-	
229	60	4#20 (130)	6#22 (230)	60	12/10.0
-----				-----	

Stampa relazione travi CONA "33" - 14.12.2007

N	L(cm)	Armatura longitudinale		L cm	Staffe tral.
		inf.	sup.		
vert.					

201	40	3#22 (115)	4#22 (240)	-----	
-----				64	10/7.5
				-	
125				125	12/25.0
-----				-	
206/01	955	7#22	3#20	575	10/25.0
				-	
125				125	12/25.0
-----				-	
212	50	3#22 (210)	5#22 (420)	64	10/7.5
-----				-----	
56				56	10/7.5
				-	
125				125	12/25.0
-----				-	
206/02	827	7#20	3#20	475	10/25.0
				-	
125				125	12/25.0
-----				-	
224	50	3#22 (210)	5#22 (420)	56	10/7.5
-----				-----	
64				64	10/7.5
				-	
125				125	12/25.0
-----				-	
206/03	955	7#22	3#20	575	10/25.0
				-	
125				125	12/25.0
-----				-	
236	40	3#22 (115)	4#22 (240)	64	10/7.5
-----				-----	

Stampa relazione travi CONA "33" - 14.12.2007

N vert.	L(cm)	Armatura longitudinale		L cm	Staffe tral.
		inf.	sup.		
211	50	5#22 (150)	7#20 (250)	64	10/7.5
207/01	950	9#18	5#22	825	10/25.0
223	50	5#22 (210)	8#20 (400)	64	10/7.5
207/02	826	8#18	5#22	700	10/25.0
235	50	5#22 (210)	8#20 (400)	64	10/7.5
207/03	950	9#18	5#22	825	10/25.0
246	50	5#22 (150)	7#20 (250)	64	10/7.5

Stampa relazione travi CONA "33" - 14.12.2007

N	L(cm)	Armatura longitudinale		L	Staffe
vert.		inf.	sup.	cm	tral.
301	50	4#20 (125)	5#26 (170)	56	12/7.5
301/01	380	7#20	3#20	50	14/25.0
301/02	430	6#20	3#20	175	12/25.0
302	50	3#20 (210)	5#26 (300)	50	14/25.0
301/03	429	4#18+ 2#20	3#20	56	12/7.5
303	50	3#20 (210)	5#24 (300)	40	12/7.5
301/04	430	4#18+ 2#20	3#20	75	14/25.0
304	50	3#20 (210)	5#24 (300)	200	12/25.0
301/05	429	2#20+ 4#18	3#20	75	14/25.0
305	50	3#20 (210)	5#24 (300)	40	12/7.5
306	50	3#20 (210)	5#24 (300)	50	12/10.0
				75	12/25.0
				175	10/25.0
				75	12/25.0
				50	12/10.0
				50	12/10.0
				75	12/25.0
				175	10/25.0
				75	12/25.0
				50	12/10.0

Stampa relazione travi CONA "33" - 14.12.2007

N	L(cm)	Armatura longitudinale		L cm	Staffe tral.
		inf.	sup.		
vert.					

306	50	3#20 (210)	5#24 (300)	-----	
-----				50	12/10.0
				-	
				75	12/25.0
				-	
301/06	429	4#18+ 2#20	3#20	175	10/25.0
				-	
				75	12/25.0
				-	
-----				50	12/10.0
307	50	3#20 (210)	5#24 (300)	-----	
-----				50	12/10.0
				-	
				75	12/25.0
				-	
301/07	429	2#20+ 4#18	3#20	175	10/25.0
				-	
				75	12/25.0
				-	
-----				50	12/10.0
308	50	3#20 (210)	5#24 (300)	-----	
-----				50	12/10.0
				-	
				75	12/25.0
				-	
301/08	430	2#20+ 4#18	3#20	175	10/25.0
				-	
				75	12/25.0
				-	
-----				50	12/10.0
309	50	3#20 (210)	5#24 (300)	-----	
-----				50	12/10.0
				-	
				75	12/25.0
				-	
301/09	429	2#20+ 4#18	3#20	175	10/25.0
				-	
				75	12/25.0
				-	
-----				50	12/10.0
310	50	4#20 (210)	5#26 (300)	-----	
-----				50	12/10.0
				-	
				75	12/25.0
				-	
301/10	314	6#18	3#20	50	10/25.0
				-	
				75	12/25.0
				-	
-----				50	12/10.0
311	40	4#22 (210) *	5#24 (240) *	-----	

LA TRAVATA 304 E' ARMATA ALLO STESSO MODO.

* PROLUNGARE GLI SPEZZONI INF. E SUP. A FILO ESTERNO DELLA TRAVE 7

Stampa relazione travi CONA "33" - 14.12.2007

N	L(cm)	Armatura longitudinale		L cm	Staffe tral.
		inf.	sup.		
vert.					
-----				-----	
312	50	5#22(160)	4#22(190) + 4#24(190)	48	12/7.5
-----				-----	
302/01	375	3#18+ 6#20	4#22	75	16/25.0
-----				-----	
313	60	5#22(259)	8#24(300)	125	14/25.0
-----				-----	
302/02	279	3#18+ 6#20	4#22	75	16/25.0
-----				-----	
314	30	3#22(130) 4#22(229)	4#24(150) 4#26(270)	48	12/7.5
-----				-----	
302/03	287	4#20	3#18	56	10/7.5
-----				-----	
315	120	4#22(300)	4#22(320)	48	12/25.0
-----				-----	
302/04	197	4#20	3#18	40	10/7.5
-----				-----	
316	30	4#22(229) 3#22(129)	4#24(270) 4#24(150)	125	12/25.0
-----				-----	
302/05	434	3#18+ 6#20	4#22	40	10/7.5
-----				-----	
317	60	5#22(240)	8#24(300)	48	12/7.5
-----				-----	

Stampa relazione travi CONA "33" - 14.12.2007

vert.	N	L(cm)	Armatura longitudinale		L cm	Staffe tral.
			inf.	sup.		
-----	317	60	5#22 (240)	8#24 (300)	-----	-----
					48	14/7.5
					75	16/25.0
					-----	-----
	302/06	420	3#18+ 6#20	4#22	175	14/25.0
					75	16/25.0
					-----	-----
-----	318	60	5#22 (240)	8#24 (300)	48	14/7.5
					48	14/7.5
					75	16/25.0
					-----	-----
	302/07	420	3#18+ 6#20	4#22	175	14/25.0
					75	16/25.0
					-----	-----
-----	319	60	5#22 (240)	8#24 (300)	48	14/7.5
					48	14/7.5
					75	16/25.0
					-----	-----
	302/08	420	3#18+ 6#20	4#22	175	14/25.0
					75	16/25.0
					-----	-----
-----	320	60	5#22 (240)	8#24 (300)	48	14/7.5
					48	14/7.5
					75	16/25.0
					-----	-----
	302/09	420	3#18+ 6#20	4#22	175	14/25.0
					75	16/25.0
					-----	-----
-----	321	60	5#22 (240)	8#24 (300)	48	14/7.5
					48	14/7.5
					75	16/25.0
					-----	-----
	302/10	420	3#18+ 6#20	4#22	175	14/25.0
					75	16/25.0
					-----	-----
-----	322	60	5#22 (240)	8#24 (300)	48	14/7.5
-----					-----	-----

Stampa relazione travi CONA "33" - 14.12.2007

N	L(cm)	Armatura longitudinale		L cm	Staffe tral.
		inf.	sup.		
vert.					

322	60	5#22 (240)	8#24 (300)	-----	
-----				56	12/7.5
				-	
				50	14/25.0
				-	
302/11 309		3#18+ 6#20	4#22	100	12/25.0
				-	
				50	14/25.0
				-	
-----				56	12/7.5
-----				-----	
323	40	5#22 (210) *	7#22 (240) *		

LA TRAVATA 303 E' ARMATA ALLO STESSO MODO.

* PROLUNGARE GLI SPEZZONI INF. E SUP. A FILO ESTERNO DELLA TRAVE 7

Stampa relazione travi CONA "33" - 14.12.2007

N	L(cm)	Armatura longitudinale		L cm	Staffe tral.
		inf.	sup.		
vert.					
-----				-----	
317	50	4#20 (130)	6#22 (230)	60	12/10.0
-----				-	
305/01	826	8#22	3#22	150	12/25.0
-----				-	
305/01	826	8#22	3#22	400	10/25.0
-----				-	
305/01	826	8#22	3#22	150	12/25.0
-----				-	
329	50	4#20 (130)	6#22 (230)	60	12/10.0
-----				-----	

Stampa relazione travi CONA "33" - 14.12.2007

N	L(cm)	Armatura longitudinale		L	Staffe
vert.		inf.	sup.	cm	tral.
301	40	5#24 (115)	7#22 (240)	60	14/10.0
306/01	955	10#24	4#24	175	16/25.0
				475	12/25.0
				175	16/25.0
				60	14/10.0
312	50	5#24 (210)	8#24 (420)	50	12/10.0
306/02	827	8#24	4#24	175	14/25.0
				375	12/25.0
				175	14/25.0
				50	12/10.0
324	50	5#24 (210)	8#24 (420)	60	14/10.0
306/03	955	10#24	4#24	175	16/25.0
				475	12/25.0
				175	16/25.0
				60	14/10.0
336	40	5#24 (115)	7#22 (240)		

Stampa relazione travi CONA "33" - 14.12.2007

N	L(cm)	Armatura longitudinale		L cm	Staffe tral.
		inf.	sup.		
vert.					

311	50	5#22 (150)	7#20 (250)	-----	
-----				64	10/7.5
				-	
				-	
307/01	950	9#18	5#22	825	10/25.0
				-	
				-	
-----				64	10/7.5
323	50	5#22 (210)	8#20 (400)	-----	
-----				64	10/7.5
				-	
				-	
307/02	826	8#18	5#22	700	10/25.0
				-	
				-	
-----				64	10/7.5
335	50	5#22 (210)	8#20 (400)	-----	
-----				64	10/7.5
				-	
				-	
307/03	950	9#18	5#22	825	10/25.0
				-	
				-	
-----				64	10/7.5
346	50	5#22 (150)	7#20 (250)	-----	

Stampa relazione travi CONA "33" - 14.12.2007

N	L(cm)	Armatura longitudinale		L	Staffe
vert.		inf.	sup.	cm	tral.
401	50	3#20 (125)	5#22 (170)	50	12/10.0
401/01	385	2#20+ 4#18	3#20	125	10/25.0
402	40	3#20 (200)	5#22 (300)	50	12/10.0
401/02	440	4#18+ 2#20	3#20	175	10/25.0
403	40	3#20 (200)	5#22 (300)	50	12/10.0
401/03	439	2#20+ 4#18	3#20	175	10/25.0
404	40	3#20 (200)	5#22 (300)	50	12/10.0
401/04	440	2#20+ 4#18	3#20	175	10/25.0
405	40	3#20 (200)	5#22 (300)	50	12/10.0
401/05	439	2#20+ 4#18	3#20	175	10/25.0
406	40	3#20 (200)	5#22 (300)	50	12/10.0

Stampa relazione travi CONA "33" - 14.12.2007

N	L(cm)	Armatura longitudinale		L	Staffe
vert.		inf.	sup.	cm	tral.

406	40	3#20 (200)	5#22 (300)	-----	
-----				50	12/10.0
				-	
				75	12/25.0
				-	
401/06	439	2#20+ 4#18	3#20	175	10/25.0
				-	
				75	12/25.0
				-	
-----				50	12/10.0
407	40	3#20 (200)	5#22 (300)	-----	
-----				50	12/10.0
				-	
				75	12/25.0
				-	
401/07	439	4#18+ 2#20	3#20	175	10/25.0
				-	
				75	12/25.0
				-	
-----				50	12/10.0
408	40	3#20 (200)	5#22 (300)	-----	
-----				50	12/10.0
				-	
				75	12/25.0
				-	
401/08	440	4#18+ 2#20	3#20	175	10/25.0
				-	
				75	12/25.0
				-	
-----				50	12/10.0
409	40	3#20 (200)	5#22 (300)	-----	
-----				50	12/10.0
				-	
				75	12/25.0
				-	
401/09	434	2#20+ 4#18	3#20	175	10/25.0
				-	
				75	12/25.0
				-	
-----				50	12/10.0
410	50	3#20 (210)	3#22 (300) + 3#24 (300)	-----	
-----				50	12/10.0
				-	
				50	12/25.0
				-	
401/10	314	5#18	3#20	100	10/25.0
				-	
				50	12/25.0
				-	
-----				50	12/10.0
411	40	4#20 (195) *	5#24 (240) *	-----	

LA TRAVATA 404 E' ARMATA ALLO STESSO MODO.

* PROLUNGARE GLI SPEZZONI INF. E SUP. A FILO ESTERNO DELLA TRAVE 7

Stampa relazione travi CONA "33" - 14.12.2007

N	L(cm)	Armatura longitudinale		L	Staffe
vert.		inf.	sup.	cm	tral.
412	50	5#22 (160)	7#22 (190)	56	12/7.5
402/01	380	3#18+ 6#20	4#22	75	16/25.0
125				125	14/25.0
75				75	16/25.0
56				56	12/7.5
413	50	4#22 (240)	8#22 (300)	56	12/7.5
402/02	284	3#18+ 6#20	4#22	50	16/25.0
75				75	14/25.0
50				50	16/25.0
414	30	3#22 (130) 4#22 (230)	4#24 (150) 4#24 (270)	56	12/7.5
402/03	287	4#20	3#18	48	10/7.5
200				200	12/25.0
415	120	4#22 (300)	4#22 (320)	48	10/7.5
402/04	197	4#20	3#18	48	10/7.5
100				100	12/25.0
416	30	4#22 (230) 3#22 (130)	4#22 (270) 4#22 (150)	48	10/7.5
402/05	439	3#18+ 6#20	4#22	56	12/7.5
75				75	14/25.0
175				175	12/25.0
75				75	14/25.0
56				56	12/7.5
417	50	4#22 (229)	8#22 (300)		

Stampa relazione travi CONA "33" - 14.12.2007

N	L(cm)	Armatura longitudinale		L cm	Staffe tral.
		inf.	sup.		
vert.					

417	50	4#22 (229)	8#22 (300)	-----	
				56	14/7.5
				-	
				75	16/25.0
				-	
402/06	430	3#18+ 6#20	4#22	175	14/25.0
				-	
				75	16/25.0
				-	
-----				56	14/7.5
418	50	4#22 (229)	8#22 (300)	-----	
				56	14/7.5
				-	
				75	16/25.0
				-	
402/07	429	3#18+ 6#20	4#22	175	14/25.0
				-	
				75	16/25.0
				-	
-----				56	14/7.5
419	50	4#22 (229)	8#22 (300)	-----	
				56	14/7.5
				-	
				75	16/25.0
				-	
402/08	429	3#18+ 6#20	4#22	175	14/25.0
				-	
				75	16/25.0
				-	
-----				56	14/7.5
420	50	4#22 (230)	8#22 (300)	-----	
				56	14/7.5
				-	
				75	16/25.0
				-	
402/09	430	3#18+ 6#20	4#22	175	14/25.0
				-	
				75	16/25.0
				-	
-----				56	14/7.5
421	50	4#22 (230)	8#22 (300)	-----	
				56	14/7.5
				-	
				75	16/25.0
				-	
402/10	429	3#18+ 6#20	4#22	175	14/25.0
				-	
				75	16/25.0
				-	
-----				56	14/7.5
422	50	4#22 (230)	8#22 (300)	-----	

Stampa relazione travi CONA "33" - 14.12.2007

N	L(cm)	Armatura longitudinale		L cm	Staffe tral.
		inf.	sup.		
vert.					
-----				-----	
422	50	4#22 (230)	8#22 (300)	56	12/7.5
-----				-	
				50	14/25.0
				-	
402/11	314	3#18+ 6#20	4#22	100	12/25.0
				-	
				50	14/25.0
				-	
-----				56	12/7.5
-----				-----	
423	40	4#22 (210) *	7#22 (240) *		

LA TRAVATA 403 E' ARMATA ALLO STESSO MODO.

* PROLUNGARE GLI SPEZZONI INF. E SUP. A FILO ESTERNO DELLA TRAVE 7

Stampa relazione travi CONA "33" - 14.12.2007

N	L(cm)	Armatura longitudinale		L cm	Staffe tral.
		inf.	sup.		
vert.					
-----				-----	
417	40	4#20 (130)	6#22 (230)	70	12/10.0
-----				-	
405/01	836	8#22	3#22	150	12/25.0
-----				-	
429	40	4#20 (130)	6#22 (230)	400	10/25.0
-----				-	
				150	12/25.0
				-	
				70	12/10.0

Stampa relazione travi CONA "33" - 14.12.2007

N vert.	L(cm)	Armatura longitudinale		L cm	Staffe tral.
		inf.	sup.		
401	40	3#22 (115)	4#22 (240)	64	10/7.5
406/01	955	7#22	3#20	125	12/25.0
412	50	3#22 (210)	5#22 (420)	575	10/25.0
406/02	827	7#20	3#20	125	12/25.0
424	50	3#22 (210)	5#22 (420)	64	10/7.5
406/03	955	7#22	3#20	56	10/7.5
436	40	3#22 (115)	4#22 (240)	125	12/25.0
				475	10/25.0
				125	12/25.0
				56	10/7.5
				64	10/7.5
				125	12/25.0
				575	10/25.0
				125	12/25.0
				64	10/7.5

Stampa relazione travi CONA "33" - 14.12.2007

N	L(cm)	Armatura longitudinale		L cm	Staffe tral.
		inf.	sup.		
vert.					
-----				-----	
411	50	5#22 (150)	7#20 (250)	64	10/7.5
-----				-----	
407/01	950	8#18	5#22	825	10/25.0
-----				-----	
423	50	5#22 (210)	7#20 (400)	64	10/7.5
-----				-----	
407/02	826	8#18	5#22	700	10/25.0
-----				-----	
435	50	5#22 (210)	7#20 (400)	64	10/7.5
-----				-----	
407/03	950	8#18	5#22	825	10/25.0
-----				-----	
446	50	5#22 (149)	7#20 (250)	64	10/7.5
-----				-----	

Stampa relazione travi CONA "33" - 14.12.2007

N	L(cm)	Armatura longitudinale		L	Staffe
vert.		inf.	sup.	cm	tral.
501	50	3#18 (115)	3#22 (170)	48	10/7.5
501/01	385	5#16	3#18	50	10/25.0
501/01	385	5#16	3#18	175	8/25.0
501/01	385	5#16	3#18	50	10/25.0
502	40	3#18 (200)	3#22 (300)	48	10/7.5
502	40	3#18 (200)	3#22 (300)	48	10/7.5
502	40	3#18 (200)	3#22 (300)	75	10/25.0
501/02	440	5#16	3#18	200	8/25.0
501/02	440	5#16	3#18	75	10/25.0
503	40	3#18 (200)	3#22 (300)	48	10/7.5
503	40	3#18 (200)	3#22 (300)	48	10/7.5
503	40	3#18 (200)	3#22 (300)	75	10/25.0
501/03	439	5#16	3#18	200	8/25.0
501/03	439	5#16	3#18	75	10/25.0
504	40	3#18 (200)	3#22 (300)	48	10/7.5
504	40	3#18 (200)	3#22 (300)	48	10/7.5
504	40	3#18 (200)	3#22 (300)	75	10/25.0
501/04	440	5#16	3#18	200	8/25.0
501/04	440	5#16	3#18	75	10/25.0
505	40	3#18 (200)	3#22 (300)	48	10/7.5
505	40	3#18 (200)	3#22 (300)	48	10/7.5
505	40	3#18 (200)	3#22 (300)	75	10/25.0
501/05	439	5#16	3#18	200	8/25.0
501/05	439	5#16	3#18	75	10/25.0
506	40	3#18 (200)	3#22 (300)	48	10/7.5

Stampa relazione travi CONA "33" - 14.12.2007

N	L(cm)	Armatura longitudinale		L cm	Staffe tral.
		inf.	sup.		
vert.					
-----				-----	
506	40	3#18(200)	3#22(300)	48	10/7.5
-----				-----	
501/06	439	5#16	3#18	75	10/25.0
-----				-----	
507	40	3#18(200)	3#22(300)	200	8/25.0
-----				-----	
501/07	439	5#16	3#18	75	10/25.0
-----				-----	
508	40	3#18(200)	3#22(300)	48	10/7.5
-----				-----	
501/08	440	5#16	3#18	48	10/7.5
-----				-----	
509	40	3#18(200)	3#22(300)	75	10/25.0
-----				-----	
501/09	434	5#16	3#18	200	8/25.0
-----				-----	
510	50	3#18(200)	4#20(300)	75	10/25.0
-----				-----	
501/10	314	4#16	3#18	48	10/7.5
-----				-----	
511	40	3#18(195)*	3#22(240)*	56	10/7.5
-----				-----	

LA TRAVATA 504 E' ARMATA ALLO STESSO MODO.

* PROLUNGARE GLI SPEZZONI INF. E SUP. A FILO ESTERNO DELLA TRAVE 7

Stampa relazione travi CONA "33" - 14.12.2007

N	L(cm)	Armatura longitudinale		l	Staffe
vert.		inf.	sup.	cm	tral.
512	50	4#20 (129)	5#20 (170)	40	12/7.5
502/01	385	6#20	3#22	75	12/25.0
150				75	12/25.0
513	40	4#20 (200)	5#20 (270)	40	12/7.5
502/02	289	6#18	3#24	48	10/7.5
100				50	12/25.0
514	30	2#18 (120) 3#22 (190)	2#20 (160) 4#22 (260)	48	10/7.5
502/03	287	4#20	3#22	48	10/7.5
100				50	12/25.0
515	120	4#20 (300)	4#20 (320)	40	10/7.5
502/04	197	4#20	3#22	125	12/25.0
516	30	3#22 (210) 2#18 (120)	4#22 (260) 2#20 (160)	40	10/7.5
502/05	444	6#20	3#22	64	10/7.5
175				75	12/25.0
517	40	4#20 (200)	5#22 (300)	64	10/7.5

Stampa relazione travi CONA "33" - 14.12.2007

N	L(cm)	Armatura longitudinale		L cm	Staffe tral.
		inf.	sup.		
vert.					
-----				-----	
517	40	4#20 (200)	5#22 (300)	64	12/7.5
-----				-	
502/06	439	6#20	3#22	75	12/25.0
-----				-	
502/06	439	6#20	3#22	150	10/25.0
-----				-	
502/06	439	6#20	3#22	75	12/25.0
-----				-	
518	40	4#20 (200)	5#22 (300)	64	12/7.5
-----				-----	
518	40	4#20 (200)	5#22 (300)	64	12/7.5
-----				-	
502/07	439	6#20	3#22	75	12/25.0
-----				-	
502/07	439	6#20	3#22	150	10/25.0
-----				-	
502/07	439	6#20	3#22	75	12/25.0
-----				-	
519	40	4#20 (200)	5#22 (300)	64	12/7.5
-----				-----	
519	40	4#20 (200)	5#22 (300)	64	12/7.5
-----				-	
502/08	439	6#20	3#22	75	12/25.0
-----				-	
502/08	439	6#20	3#22	150	10/25.0
-----				-	
502/08	439	6#20	3#22	75	12/25.0
-----				-	
520	40	4#20 (200)	5#22 (300)	64	12/7.5
-----				-----	
520	40	4#20 (200)	5#22 (300)	64	12/7.5
-----				-	
502/09	440	6#20	3#22	75	12/25.0
-----				-	
502/09	440	6#20	3#22	150	10/25.0
-----				-	
502/09	440	6#20	3#22	75	12/25.0
-----				-	
521	40	4#20 (200)	5#22 (300)	64	12/7.5
-----				-----	
521	40	4#20 (200)	5#22 (300)	64	12/7.5
-----				-	
502/10	439	6#20	3#22	75	12/25.0
-----				-	
502/10	439	6#20	3#22	150	10/25.0
-----				-	
502/10	439	6#20	3#22	75	12/25.0
-----				-	
522	40	4#20 (200)	5#22 (300)	64	12/7.5
-----				-----	

Stampa relazione travi CONA "33" - 14.12.2007

N	L(cm)	Armatura longitudinale		L cm	Staffe tral.
		inf.	sup.		
vert.					
-----				-----	
522	40	4#20(200)	5#22(300)	48	10/7.5
-----				-	
502/11	319	6#18	3#22	50	12/25.0
-----				-	
502/11	319	6#18	3#22	125	10/25.0
-----				-	
502/11	319	6#18	3#22	50	12/25.0
-----				-	
523	40	4#20(210)*	4#22(240)*	48	10/7.5
-----				-----	

LA TRAVATA 503 E' ARMATA ALLO STESSO MODO.

* PROLUNGARE GLI SPEZZONI INF. E SUP. A FILO ESTERNO DELLA TRAVE 7

Stampa relazione travi CONA "33" - 14.12.2007

N	L(cm)	Armatura longitudinale		L cm	Staffe tral.
		inf.	sup.		
vert.					
-----				-----	
517	40	4#20 (130)	6#20 (230)	70	12/10.0
-----				-	
505/01	836	8#20	3#22	150	12/25.0
-----				-	
529	40	4#20 (130)	6#20 (230)	400	10/25.0
-----				-	
				150	12/25.0
				-	
				70	12/10.0
-----				-----	

Stampa relazione travi CONA "33" - 14.12.2007

N	L(cm)	Armatura longitudinale		L	Staffe
vert.		inf.	sup.	cm	tral.
501	40	3#20 (115)	3#20 (240)	64	10/7.5
506/01	955	6#20	3#18	825	10/25.0
512	50	3#20 (210)	3#22 (420)	64	10/7.5
506/02	827	6#20	3#18	700	10/25.0
524	50	3#20 (210)	3#22 (420)	64	10/7.5
506/03	955	6#20	3#18	825	10/25.0
536	40	3#20 (115)	3#20 (240)	64	10/7.5

Stampa relazione travi CONA "33" - 14.12.2007

N	L(cm)	Armatura longitudinale		L cm	Staffe tral.
		inf.	sup.		
vert.					

511	50	5#22 (150)	7#20 (250)	64	10/7.5

507/01	950	8#18	5#22	825	10/25.0

523	50	5#22 (210)	7#20 (400)	64	10/7.5

507/02	826	8#18	5#22	700	10/25.0

535	50	5#22 (210)	7#20 (400)	64	10/7.5

507/03	950	8#18	5#22	825	10/25.0

546	50	5#22 (150)	7#20 (250)	64	10/7.5

APE PREFABBRICATI
IL PROGETTISTA DEI C.A.
Dott. Ing. MAURO FERRARI



