

Ristrutturazione di un fabbricato ad uso uffici
e civile abitazione sito in Carrara Via Ulivi
angolo Via Carovr.

Proprietari Nardi Egisto
Bordigoni Gina

Calcolo dei Volumi

1 SOLUZIONE

DOCT. ING. A. DAZZI
ALBO DEGLI INGEGNERI - CARRARA

TAU.6



SOSPESO

STATO DI FATTO

STATO DI PROGETTO

Piano interrato

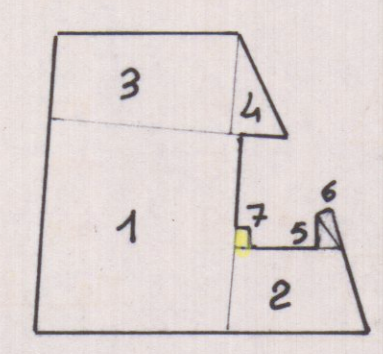
Piano interrato

1
1) $(5.00 + 4.30) / 2 \times 7.00 = mq\ 32.55 \times 1.55 = mc\ 50.45$

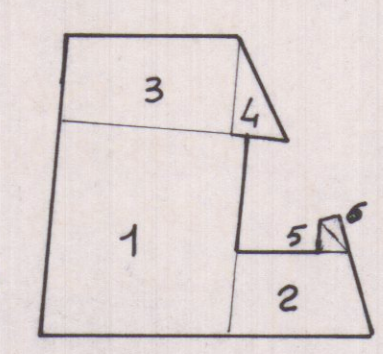
1
1) $mq\ 32.55 \quad mc\ 50.45$

Piano terra

Piano terra



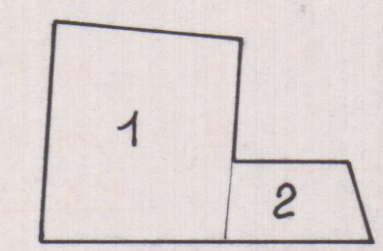
1) $(14.46 + 13.61) / 2 \times 12.13 = mq\ 170.24 \times 4.05 = mc\ 689.47$
2) $(9.20 + 8.90) / 2 \times 5.27 = mq\ 45.32 \times 4.05 = mc\ 183.55$
3) $(5.12 + 5.95) / 2 \times 11.40 = mq\ 63.10 \times 4.05 = mc\ 255.55$
4) $5.95 \times 2.90 / 2 = mq\ 8.63 \times 4.05 = mc\ 34.95$
5) $2.85 \times 2.49 / 2 = mq\ 3.55 \times 4.05 = mc\ 14.38$
6) $2.07 \times 3.14 / 2 = mq\ 3.25 \times 4.05 = mc\ 13.16$
7) $1.66 \times 1.75 = mq\ 2.56 \times 4.05 = mc\ 10.37$
 $Mq = 296.65 \quad Mc = 1201.63$



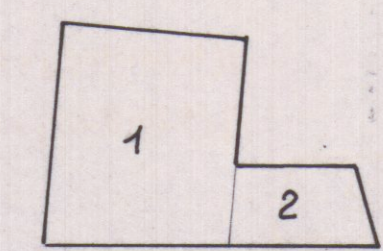
1) $mq\ 170.24 \quad mc\ 689.47$
2) $mq\ 45.32 \quad mc\ 183.55$
3) $mq\ 63.10 \quad mc\ 255.55$
4) $mq\ 8.63 \quad mc\ 34.95$
5) $mq\ 3.55 \quad mc\ 14.38$
6) $mq\ 3.25 \quad mc\ 13.16$
 $Mq\ 294.09 \quad Mc\ 1191.06$

1° piano

1° piano



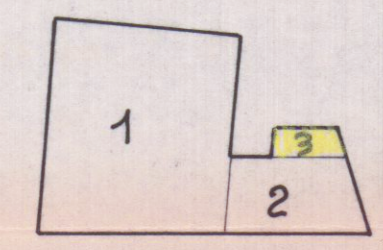
1) $(14.46 + 13.61) / 2 \times 12.13 = mq\ 170.24 \times 3.70 = mc\ 629.89$
2) $(9.20 + 8.90) / 2 \times 5.27 = mq\ 45.32 \times 3.70 = mc\ 167.68$
 $Mq = 215.56 \quad Mc = 797.57$



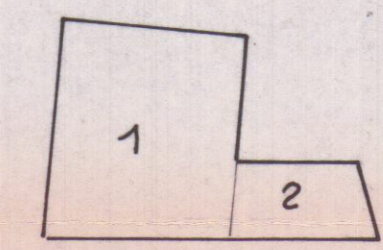
1) $mq\ 170.24 \quad mc\ 629.89$
2) $mq\ 45.32 \quad mc\ 167.68$
 $Mq\ 215.56 \quad Mc\ 797.57$

2° piano

2° piano



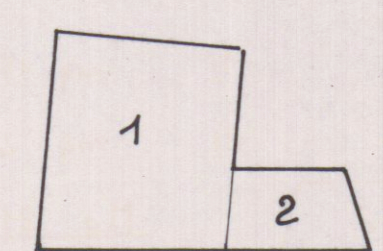
1) $mq\ 170.24 \times 2.90 = mc\ 493.70$
2) $mq\ 45.32 \times 2.90 = mc\ 131.43$
3) $(5.00 + 4.40) / 2 \times 1.60 = mq\ 7.52 \times 2.90 = mc\ 21.80$
 $Mq = 223.08 \quad Mc = 646.93$



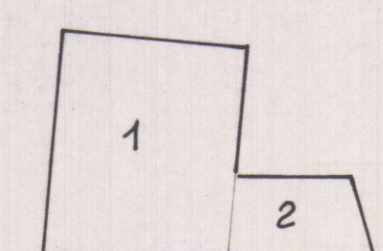
1) $mq\ 170.24 \quad mc\ 493.70$
2) $mq\ 45.32 \quad mc\ 131.43$
 $Mq\ 215.56 \quad Mc\ 625.13$

Sottotetto

Sottotetto



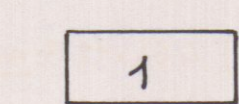
1) $mq\ 170.24 \times 2.90 = mc\ 493.70$
2) $mq\ 45.32 \times 2.90 = mc\ 131.43$
 $Mq = 215.56 \quad Mc = 625.13$



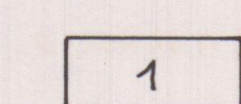
1) $mq\ 170.24 \quad mc\ 493.70$
2) $mq\ 45.32 \quad mc\ 131.43$
 $Mq\ 215.56 \quad Mc\ 625.13$

Soppalco sottotetto

Soppalco sottotetto



1) $4.64 \times 11.30 = mq\ 52.43 \times 3.00 = mc\ 157.28$



1) $4.64 \times 12.13 = mq\ 56.28 \times 3.00 = mc\ 168.84$

Volume totale interrato mc 50.45
Volume totale elevato mc 3428.34
Volume totale 3478.79

semplice
mc
10.37
21.80
32.17

Volume totale interrato mc 50.45
Volume totale elevato mc 3407.71
Volume totale mc 3458.16

3428.34 -
32.17
mc 3396.17