I. N. A. CASA

COSTRUZIONE DI N° 3 CASE ALLA COMMENDA OVEST

TERZO LOTTO

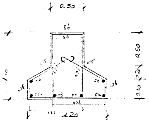
DISEGNI ESECUTIVI DELLE STRUTTURE IN CEMENTO ARMATO

TRAVI ROVESCE

IMPRESA

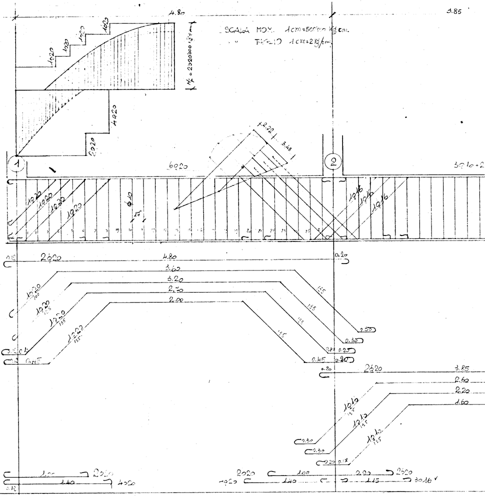
TRAVI ROVESCE
PERIMETRALI

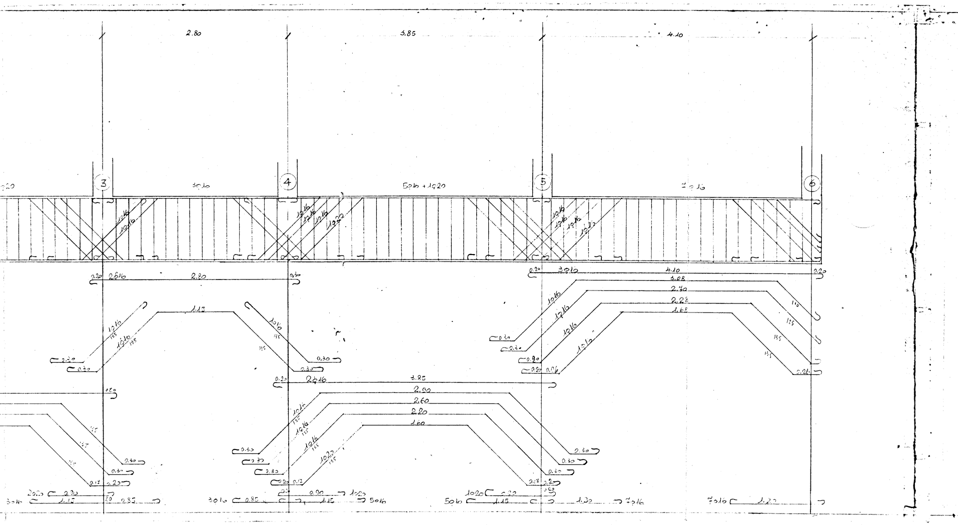
TIPO 1


0.50
56
46
075
075
0.26
0.26
081
081
1.20
0.50
0.20
0.30

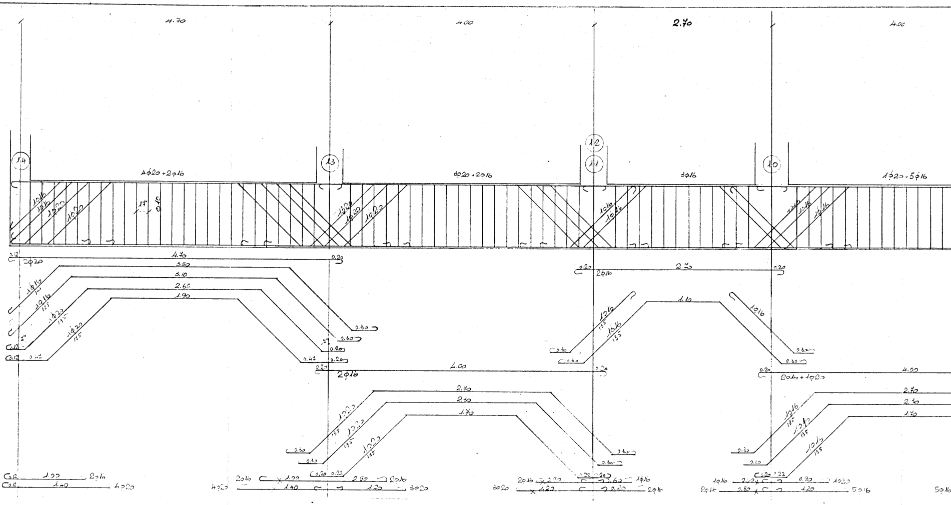
Sviluppo staffa

0,20 + 075 + 026 + 081 + 096 + 046
+ 096 + 081 + 026 + 075 + ml. 6,22 .

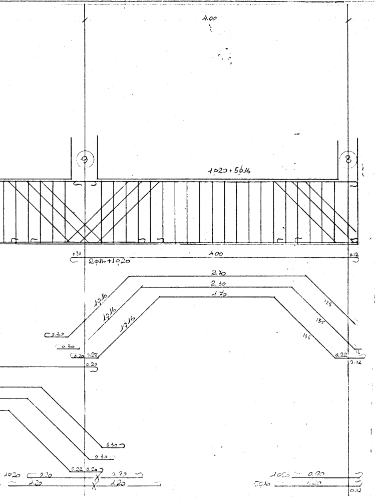

4.80
3.85
SCALA MOM. 1cm=500000 Kg cm.
〃 〃 TAGLIO 1cm=2 Kg/cm
1⌀20
1⌀20
1⌀20
1⌀20
Mf = 2020000 Kg cm
4⌀20
2⌀20
2.22
3.48
1
2
6⌀20
3⌀16+2
1⌀20
1⌀20
1⌀20
1⌀20
⌀10
17"
1⌀16
1⌀16
1⌀16
0.10
2⌀20
4.80
0.20
3.60
3.20
2.70
2.00
1⌀20
1⌀20
1⌀20
1⌀20
135
135
135
135
2.55
0.35
0.25
0.45
0.20
2⌀20
3.85
2.60
2.20
1.60
1⌀12
1⌀12
1⌀12
0.30
0.30
0.20
1.00
2⌀20
1.40
4⌀20
2⌀20
1.00
2.00
2⌀20
4⌀20
1.40
1.15
3⌀16


2.80
3.85
4.10
3
4
5
6
3Ø16
5Ø16 + 1Ø20
7Ø16
1Ø16
1Ø20
2Ø16
2.80
1.15
0.30
0.20
1.35
3Ø16
4.10
3.08
2.70
2.28
1.68
0.06
0.26
2Ø16
3.85
2.90
2.60
2.20
1.60
0.17
2Ø20
0.85
1.15
2.85
3Ø16
5Ø16
1Ø20
0.90
1.30
7Ø16
1.20

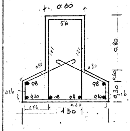
TRAVI ROVESCE
PERIMETRALI



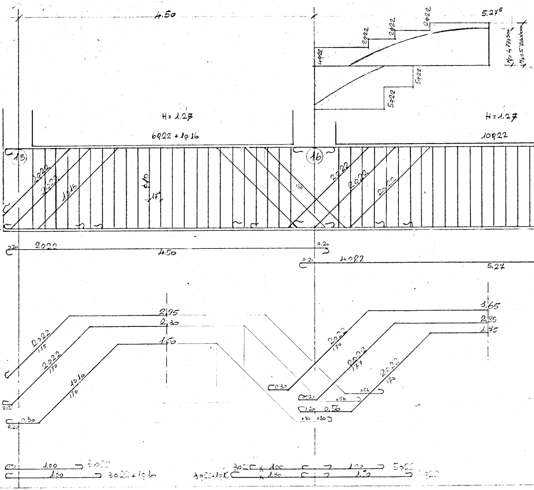
4.70
4.00
2.70
4.00
14
13
12
11
10
4φ20+2φ16
3φ20+2φ16
3φ16
1φ20+5φ16
2φ20
3.50
3.10
2.65
1.90
2φ16
1.10
4.00
2φ16
2φ16+1φ20
2.70
2.30
1.70
135
2φ16
4φ20
3φ20
1φ16
5φ16

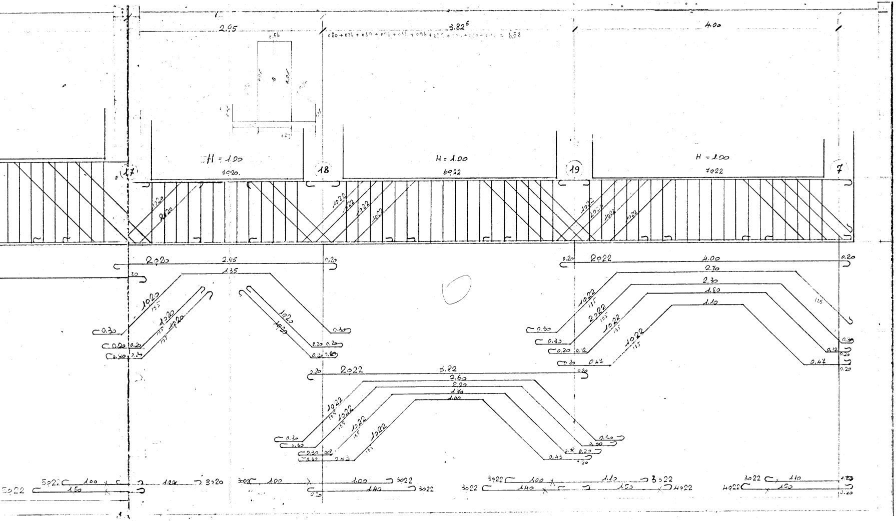

4.00
9
8
1φ20+5φ16
0.20
4.00
0.12
2φ16+1φ20
2.70
2.30
1.70
1φ16
1φ16
1φ16
125
135
135
0.30
0.30
0.20
0.22
0.22
0.20
0.12
0.30
0.30
0.22
0.20
1φ20
2.30
2.20
1.20
1.20
1φ20
0.90
5φ16
1.20
0.12

TRAVI ROVESCE
DI COLMO
TIPO 1


0.60
56
121
121
0.80
0.80
0.80
0.20
0.30
0.26
0.26
φ8
φ8
φ10
φ8
φ8
φ10
0.86
0.86
1.30

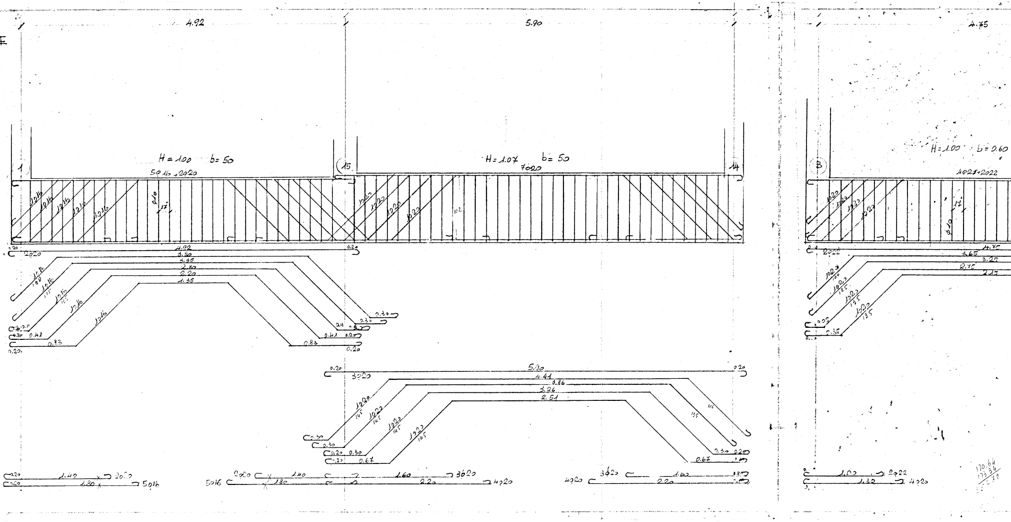
0.20 + 0.80 + 0.26 + 0.86 + 1.21 + 0.56
1.21 + 0.86 + 0.26 + 0.80 = m 7.02

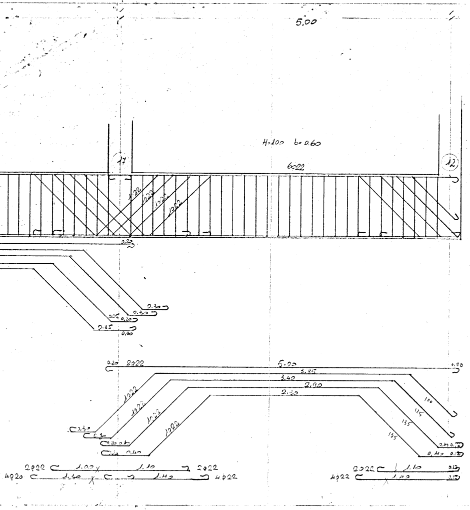

4.50
5.27⁵
2φ22
2φ22
2φ22
4φ22
5φ22
5φ22
H = 1.27
H = 1.27
6φ22 + 1φ16
10φ22
15
16
2φ22
2φ22
1φ16
φ10
/17
2φ22
2φ22
2φ22
0.20
2φ22
4.50
0.20
0.20
4φ22
5.27
2.95
2.30
1.50
3.65
2.85
1.75
2φ22
135
2φ22
170
1φ16
170
2φ22
170
2φ22
170
2φ22
170
0.30
0.12
0.30
0.20
0.30
0.20
0.56
0.56
0.20
0.56
0.30
0.20
1.00
3φ22
1.50
3φ22+1φ16
3φ22
1.00
1.00
5φ22
3φ22+1φ16
1.30
1.50
5φ22



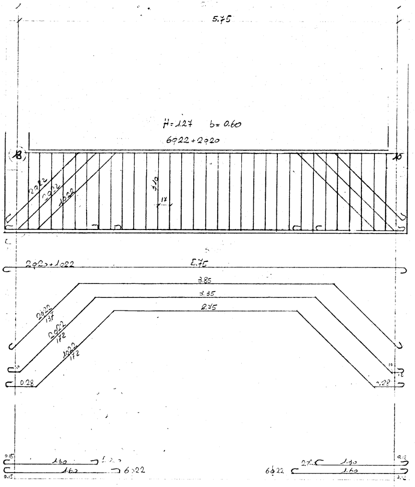
2.95
3.82⁵
4.00
0.56
H = 1.00
3⌀20.
H = 1.00
6⌀22
H = 1.00
7⌀22
17
18
19
7
2⌀20
1⌀22
2⌀20
2.95
1.35
1⌀20
1⌀20
1⌀20
0.30
0.20
0.20
2⌀22
4.00
2.70
2.30
1.80
1.10
1⌀22
2⌀22
1⌀22
1⌀22
0.30
0.47
0.12
2⌀22
3.82
2.60
2.20
1.70
1.00
1⌀22
1⌀22
1⌀22
1⌀22
0.30
0.43
5⌀22
1.00
1.50
3⌀20
3⌀22
1.00
1.40
3⌀22
1.00
1.10
1.40
1.50
4⌀22
3⌀22
1.10
1.50
4⌀22

TIPO 1
TRAVI ROVESC
DI TESTATA

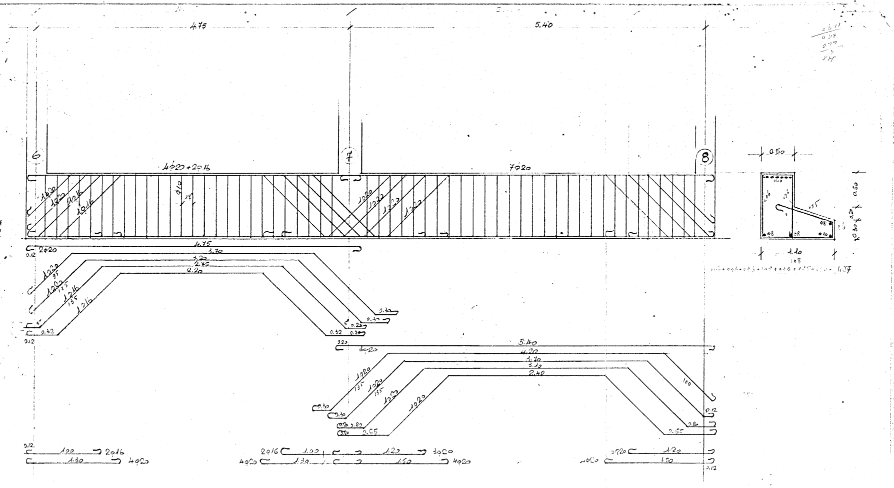

4.92
5.90
4.75
H = 1.00 b = 50
H = 1.07 b = 50
H = 1.00 b = 0.60
1
15
14
3
5Ø16 + 2Ø20
7Ø20
4Ø25 + 2Ø22
Ø10
17
2Ø20
2Ø22
1Ø16
1Ø20
1Ø22
3Ø20
4Ø20
5Ø16
2Ø22
0.20
4.92
3.80
3.35
2.80
2.20
1.35
0.41
0.83
2.30
5.90
4.41
3.86
3.26
2.51
0.67
0.30
4.75
3.65
3.25
2.75
2.15
0.35
1.40
1.80
1.60
2.20
1.00
1.32
145
135
125
100
170.64
173.34



5,00
H=1.00 b=0.60
17
12
6φ22
1φ22
2φ22
1φ22
1φ22
0.20
0.30
0.30
0.05 0.20
0.35
0.20
0.20 2φ22
5.00
0.20
3.85
3.40
2.90
2.30
1φ22
1φ22
1φ22
1φ22
100
125
135
135
0.30
0.30
0.20 0.40
0.40
0.40 0.15
0.40 0.15
2φ22 1.00 1.10 2φ22
4φ20 1.30 1.40 4φ22
2φ22 1.10 0.15
4φ22 1.40 0.15



5.75
H=1.27 b=0.60
6φ22+2φ20
18
16
2φ22
2φ22
1φ22
φ10
17
2φ20+1φ22
5.75
3.85
3.35
2.75
2φ22
137
2φ22
172
1φ22
172
10
0.28
10
12
0.28
0.15
1.30
1.60
6φ22
0.15
2φ22 1.30
6φ22 1.60
0.12
0.12


4.75
5.40
6
7
8
4Φ20+2Φ16
7Φ20
Φ10
1Φ20
1Φ20
1Φ16
1Φ16
1Φ20
1Φ20
1Φ20
1Φ20
4.75
2Φ20
0.12
3.70
3.20
2.75
2.20
95
125
135
0.32
0.22
0.32
5.40
3Φ20
4.20
3.70
3.10
2.40
1Φ20
1Φ20
1Φ20
1Φ20
135
135
100
0.30
0.30
0.20
2.55
0.20
2.55
0.12
1.00
2Φ16
1.30
4Φ20
2Φ16
1.00
1.20
3Φ20
4Φ20
1.30
1.50
4Φ20
3Φ20
1.20
4Φ20
1.50
0.12
0.50
0.50
0.20
0.30
1.10
108
Φ8
Φ8
Φ8
Φ10
0.85
0.96
0.96
0.46
1.77
0.611
0.28
0.79