STUDIO TECNICO ING.CORRADO TRAVAGLINI
BRINDISI

IMPRESA
GEOM.ANTONIO MORELLI
TREPUZZI

Tav. n° 4

LAVORI DI COSTRUZIONE DEL FABBRICATO DI PROPRIETA' DELLA

# COOPERATIVA CASA MIA

- Via Cappuccini , Brindisi -

## CALCOLI STATICI DELLE STRUTTURE IN CEMENTO ARMATO

## PARTICOLARI ESECUTIVI DELLE NERVATURE DELLA PLATEA DI FONDAZIONE

## NEL SENSO EST-OVEST ==== Scala 1:50 ====

Brindisi, gennaio 1966

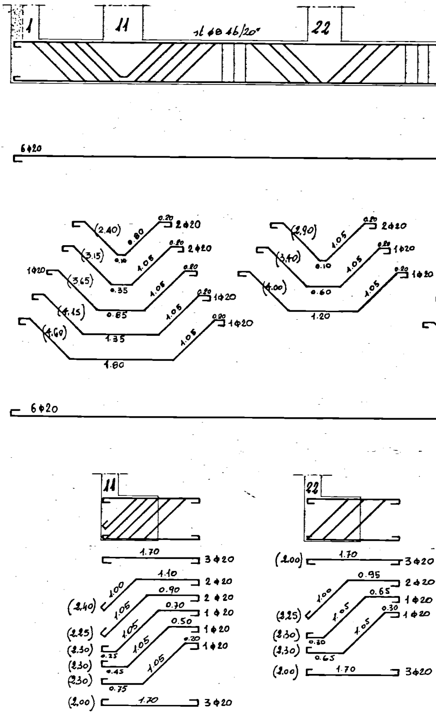
Il Calcolatore

STUDIO TECNICO
Ing. Corrado Travaglini
Via Porta Lecce - Tel. 2808
BRINDISI

V. Il Direttore dei Lavori

L' Impresa

Geom. ANTONIO MORELLI
Costruzioni Edili
TREPUZZI (Lecce)


1
11
st ⌀ 8 16/20
22
6⌀20
(2.40) 0.80 0.10 0.20 2⌀20
(3.15) 1.05 0.35 0.20 2⌀20
1⌀20 (3.65) 1.05 0.85 0.20
(4.15) 1.05 1.35 0.20 1⌀20
(4.60) 1.05 1.80 0.20 1⌀20
(2.90) 1.05 0.10 0.20 2⌀20
(3.40) 1.05 0.60 0.20 1⌀20
(4.00) 1.05 1.20 0.20 1⌀20
6⌀20
11
1.70 3⌀20
(2.40) 1.00 1.10 2⌀20
1.05 0.90 2⌀20
(2.25) 1.05 0.70 1⌀20
(2.30) 0.25 1.05 0.50 1⌀20
(2.30) 0.45 1.05 0.20 1⌀20
(2.30) 0.75
(2.00) 1.70 3⌀20
22
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1.00 0.95 2⌀20
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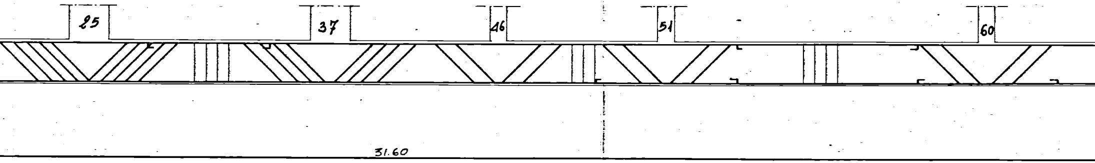
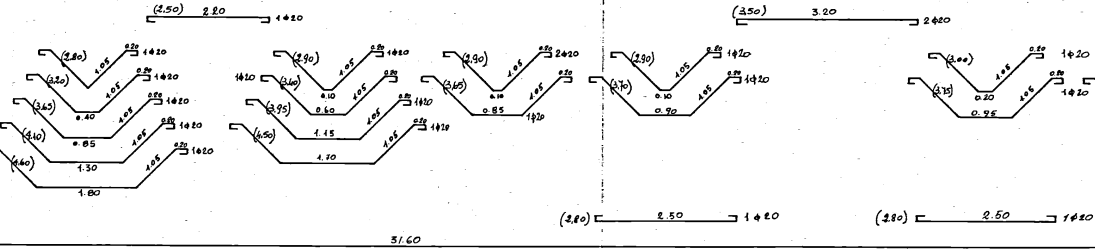
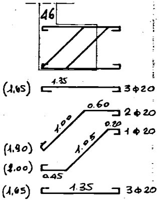
(2.00) 1.70 3⌀20



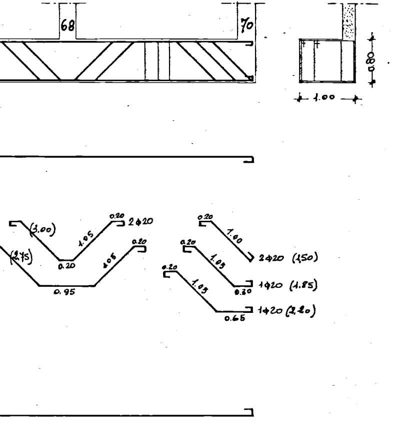
25
37
46
51
60
31.60



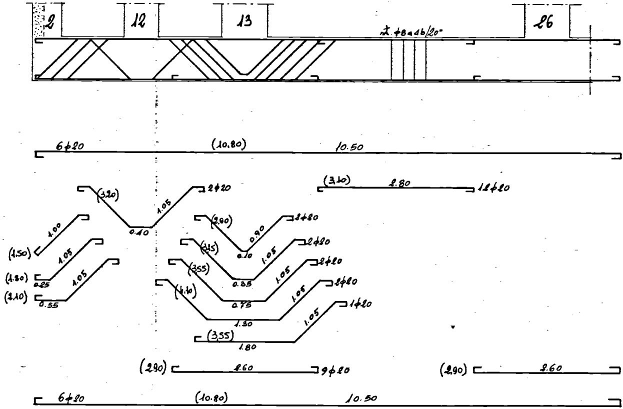
(2,50) 2.20 1φ20
(3,50) 3.20 2φ20
(2,80) 1.05 0.20 1φ20
(3,20) 0.40 1.05 0.20 1φ20
(3,65) 0.85 1.05 0.20 1φ20
(4,10) 1.30 1.05 0.20 1φ20
(4,60) 1.80 1.05 0.20 1φ20
(2,90) 0.10 1.05 0.20 1φ20
1φ20 (3,40) 0.60 1.05 0.20
(3,95) 1.15 1.05 0.20 1φ20
(4,50) 1.70 1.05 0.20 1φ20
(2,90) 0.10 1.05 0.20 2φ20
(3,65) 0.85 1.05 0.20 1φ20
(2,90) 0.10 1.05 0.20 1φ20
(3,70) 0.90 1.05 0.20 1φ20
(3,00) 0.20 1.05 0.20 1φ20
(3,75) 0.95 1.05 0.20 1φ20
(2,80) 2.50 1φ20
(2,80) 2.50 1φ20
31.60



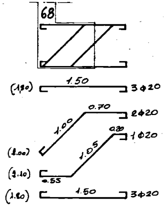
46
(1,65) 1.35 3φ20
(1,90) 1.00 0.60 2φ20
(2,00) 0.45 1.05 0.20 1φ20
(1,65) 1.35 3φ20



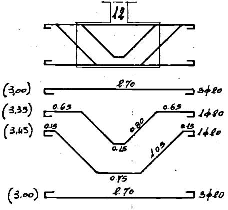
68
70
0.80
1.00
(3.00)
1.05
0.20
2φ20
(2.75)
0.20
0.95
1.05
0.20
1.00
2φ20 (1.50)
0.20
1.05
0.30
1φ20 (1.85)
0.20
1.05
0.65
1φ20 (2.20)



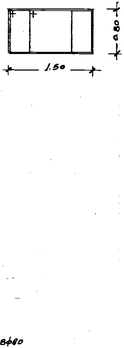
2
12
13
26
2φ8α16/20
6φ20
(10.80)
10.50
(3.20)
1.05
0.40
2φ20
(3.10)
2.80
12φ20
(1.50)
1.00
(1.80)
1.05
0.25
(2.10)
1.05
0.55
(2.90)
0.90
0.10
2φ20
(3.15)
1.05
0.35
2φ20
(3.55)
1.05
0.75
2φ20
(4.10)
1.05
1.30
2φ20
(3.55)
1.05
1.80
1φ20
(2.90)
2.60
9φ20
(2.90)
2.60
6φ20
(10.80)
10.50

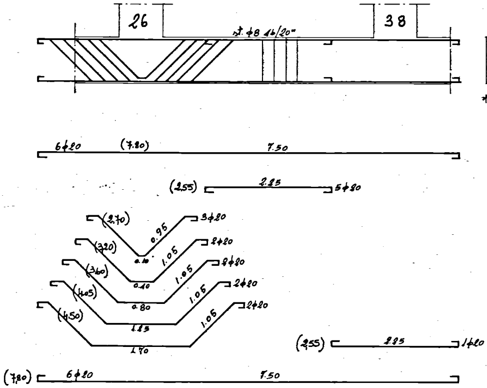


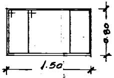
68
(1.80)
1.50
3φ20
1.00
0.70
2φ20
(2.00)
1.05
0.20
1φ20
(2.10)
0.55
(1.80)
1.50
3φ20

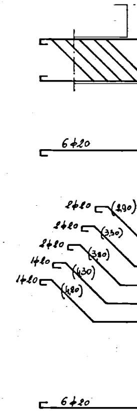


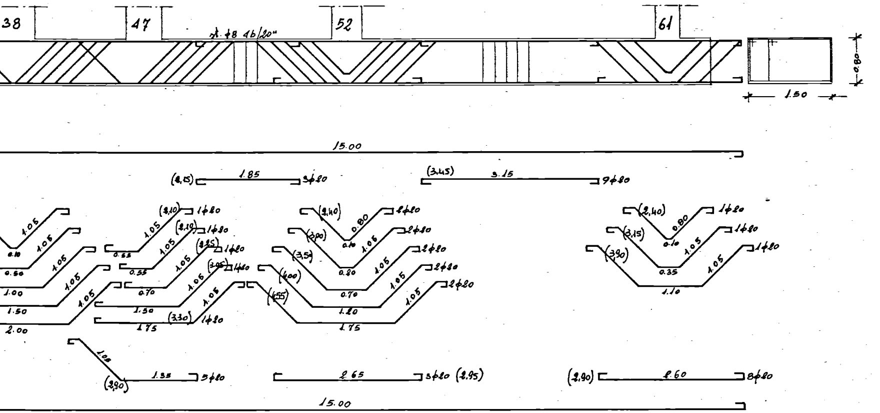
12
(3.00)
2.70
3φ20
(3.35)
0.65
0.80
0.65
1φ20
0.15
(3.45)
0.15
1.05
0.15
1φ20
0.75
(3.00)
2.70
3φ20


0.80
1.50
8φ20


26
38
st. φ8 1/20"
6φ20
(7.80)
7.50
(2.55)
2.25
5φ20
(2.70)
0.95
3φ20
0.10
(3.20)
1.05
2φ20
0.40
(3.60)
1.05
2φ20
0.80
(4.05)
1.05
2φ20
1.25
(4.50)
1.05
2φ20
1.70
(2.55)
2.25
1φ20
(7.80)
6φ20
7.50

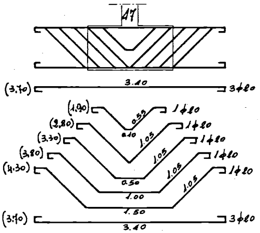



6φ20
2φ20
(2.90)
2φ20
(3.30)
2φ20
(3.80)
1φ20
(4.30)
1φ20
(4.80)
6φ20

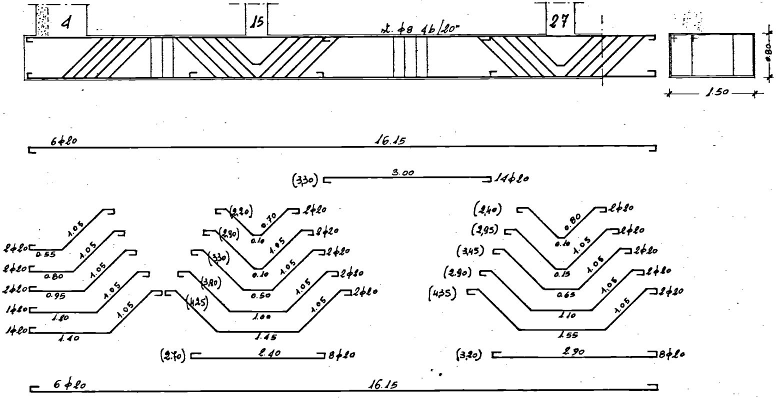


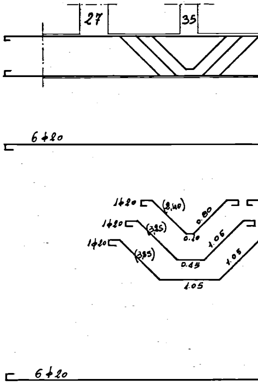
38
47
52
61
1.ϕ8 4b/20"
0.80
1.50
15.00
(2,15) 1.85 3ϕ20
(3.45) 3.15 9ϕ20
(2,10) 1ϕ20
(2,10) 1ϕ20
(2,25) 1ϕ20
(3.05) 1ϕ20
(3.30) 1ϕ20
0.53
0.55
0.70
1.50
1.75
1.05
0.10
0.50
1.00
1.50
2.00
(2,40) 2ϕ20
(3,00) 2ϕ20
(3,50) 2ϕ20
(4,00) 2ϕ20
(4,55) 2ϕ20
0.80
0.10
0.20
0.70
1.20
1.75
(2,40) 1ϕ20
(3,15) 1ϕ20
(3,90) 1ϕ20
0.80
0.10
0.35
1.10
1.05
(2,90) 1.35 3ϕ20
2.65 3ϕ20 (2.95)
(2,90) 2.60 8ϕ20
15.00

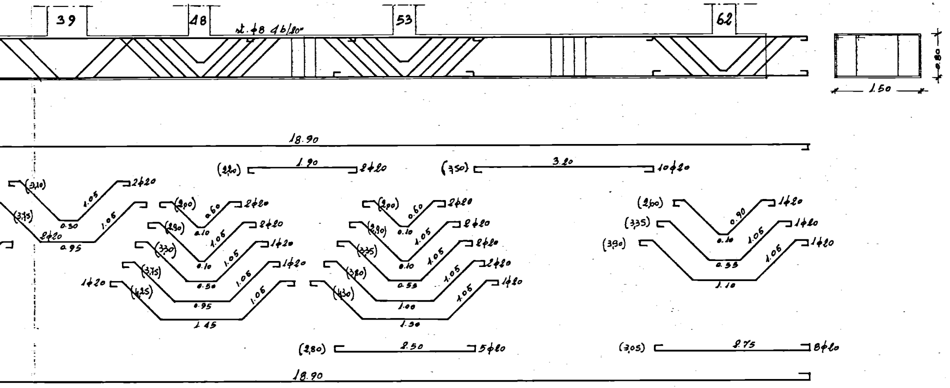
(2,10)
(2,35)
(2,50)
(2,75)
(2,95)

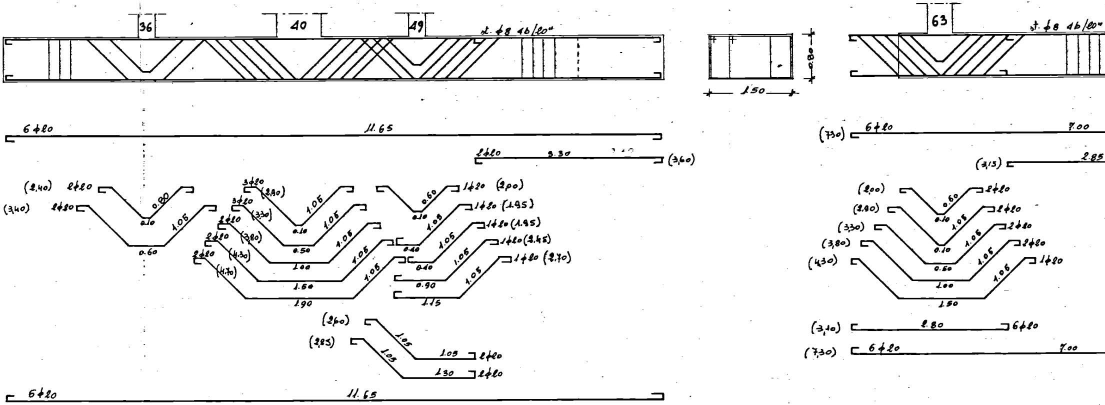


47
(3,70) 3.40 3ϕ20
(1,90) 0.55 1ϕ20
(2,80) 1ϕ20
(3,30) 1ϕ20
(3,80) 1ϕ20
(4,30) 1ϕ20
0.10
1.05
0.50
1.00
1.50
(3,70) 3.40 3ϕ20


4
15
27
st. ϕ8 4b/20"
0.80
1.50
6ϕ20
16.15
(3.30)
3.00
14ϕ20
2ϕ20
0.55
1.05
2ϕ20
0.80
1.05
2ϕ20
0.95
1.05
1ϕ20
1.20
1.05
1ϕ20
1.40
1.05
(2.20)
0.70
0.10
2ϕ20
(2.90)
1.05
0.10
2ϕ20
(3.30)
1.05
0.50
2ϕ20
(3.80)
1.05
1.00
2ϕ20
(4.25)
1.05
1.45
2ϕ20
(2.70)
2.40
8ϕ20
(2.40)
0.80
0.10
2ϕ20
(2.95)
1.05
0.15
2ϕ20
(3.45)
1.05
0.65
2ϕ20
(2.90)
1.05
1.10
2ϕ20
(4.35)
1.05
1.55
2ϕ20
(3.20)
2.90
8ϕ20
6ϕ20
16.15


27
35
6ϕ20
1ϕ20
(2.40)
0.80
0.10
1ϕ20
(3.25)
1.05
0.45
1ϕ20
(3.85)
1.05
1.05
6ϕ20


39
48
53
62
st. φ8 4b/20"
0.80
1.50
18.90
(2,20) 1.90 2φ20
(3,50) 3.20 10φ20
(3,10) 1.05 0.30 2φ20
(3,75) 1.05 0.95 2φ20
(2,90) 0.60 0.10 2φ20
(2,90) 1.05 0.10 2φ20
(3,30) 1.05 0.50 1φ20
(3,75) 1.05 0.95 1φ20
1φ20 (4,25) 1.05 1.45
(2,90) 0.60 0.10 2φ20
(2,90) 1.05 0.10 2φ20
(3,35) 1.05 0.55 2φ20
(3,80) 1.05 1.00 2φ20
(4,30) 1.05 1.50 1φ20
(2,60) 0.90 0.10 1φ20
(3,35) 1.05 0.55 1φ20
(3,90) 1.05 1.10 1φ20
(2,80) 2.50 5φ20
(3,05) 2.75 8φ20
18.90


36
40
49
st. ϕ8 4b/20"
0.80
1.50
6ϕ20
11.65
2ϕ20
3.30
(3,60)
(2,40) 2ϕ20
0.60
0.10
(3,40) 2ϕ20
1.05
0.60
3ϕ20 (2,90)
3ϕ20 (3,30)
2ϕ20 (3,80)
2ϕ20 (4,30)
2ϕ20 (4,70)
1.05
0.10
0.50
1.00
1.50
1.90
1ϕ20 (2,00)
1ϕ20 (1.95)
1ϕ20 (1.95)
1ϕ20 (2.45)
1ϕ20 (2.70)
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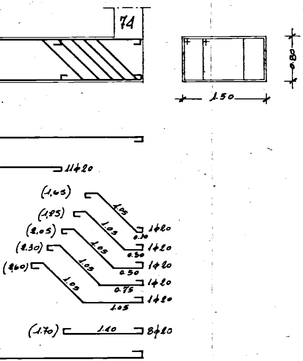
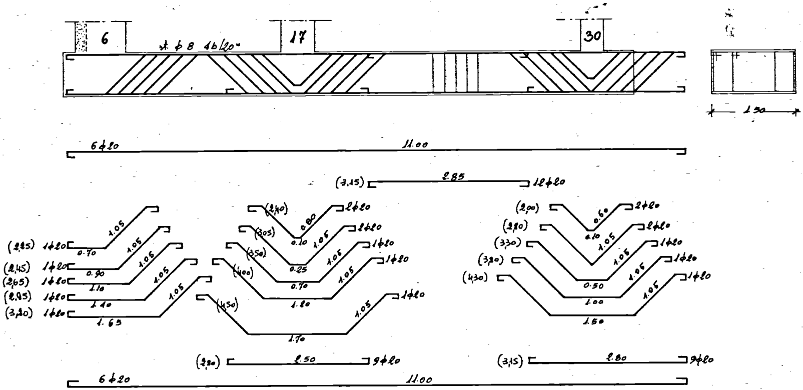
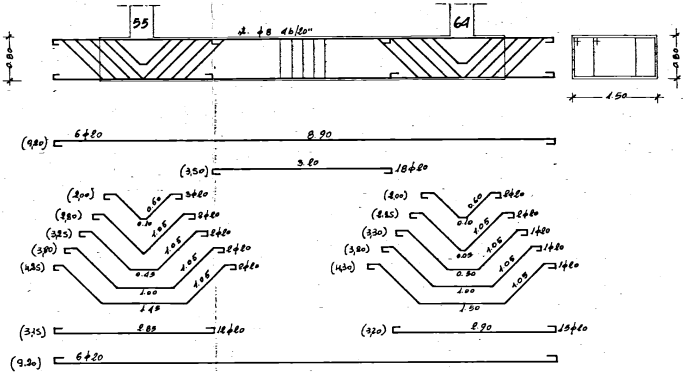
0.40
0.90
1.15
(2,60)
(2,85)
1.05
1.05 2ϕ20
1.30 2ϕ20
6ϕ20
11.65
63
st. ϕ8 4b/20"
(7,30) 6ϕ20
7.00
(3,15)
2.85
(2,00) 2ϕ20
(2,80) 2ϕ20
(3,30) 2ϕ20
(3,80) 2ϕ20
(4,30) 1ϕ20
0.60
0.10
1.05
0.10
0.50
1.00
1.50
(3,10) 2.80 6ϕ20
(7,30) 6ϕ20
7.00

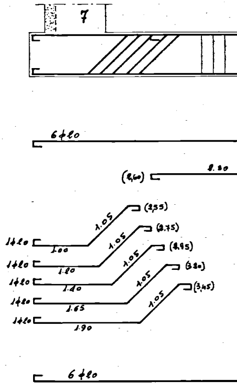


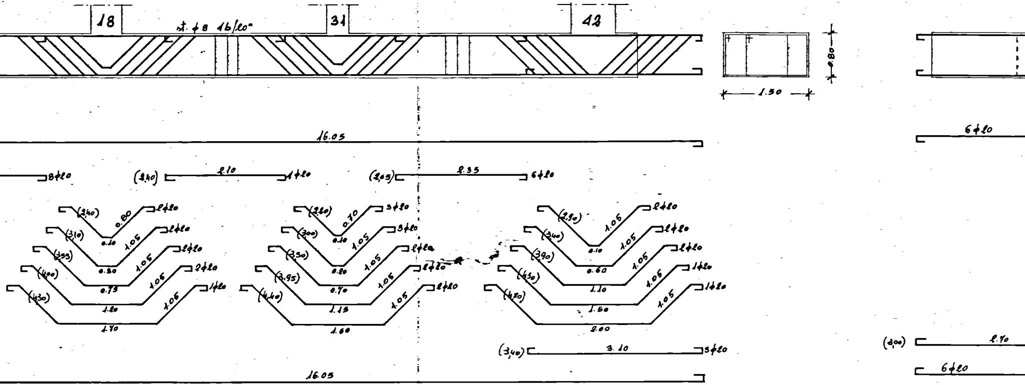
74
0.80
1.50
11φ20
(1.65) 1.05 0.10 1φ20
(1.85) 1.05 0.30 1φ20
(2.05) 1.05 0.50 1φ20
(2.30) 1.05 0.75 1φ20
(2.60) 1.05 1.05 1φ20
(1.70) 1.40 8φ20

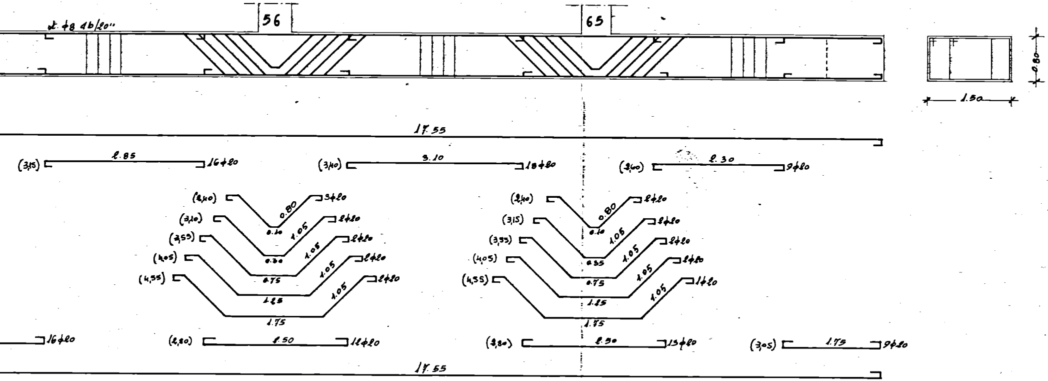


6
17
30
st. φ8 4b/20"
1.50
6φ20 11.00
(3.15) 2.85 12φ20
(2.25) 1φ20 0.70 1.05
(2.45) 1φ20 0.90 1.05
(2.65) 1φ20 1.10 1.05
(2.95) 1φ20 1.40 1.05
(3.20) 1φ20 1.65 1.05
(2.40) 0.80 0.10 2φ20
(3.05) 1.05 0.25 2φ20
(3.50) 1.05 0.70 1φ20
(4.00) 1.05 1.20 1φ20
(4.50) 1.05 1.70 1φ20
(2.00) 0.60 0.10 2φ20
(2.80) 1.05 2φ20
(3.30) 1.05 1φ20
(3.80) 1.05 0.50 1φ20
(4.30) 1.05 1.00 1.50 1φ20
(2.80) 2.50 9φ20
(3.15) 2.80 9φ20
6φ20 11.00

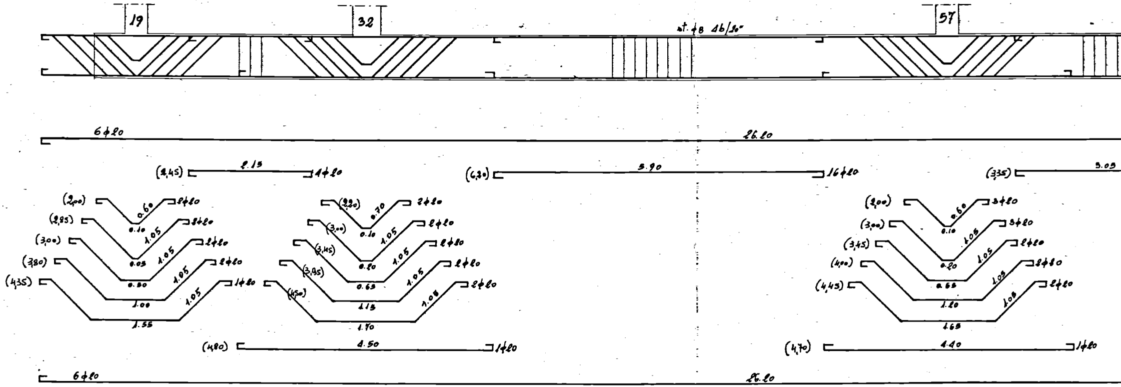

55
64
2. ϕ8 4b/20"
0.80
0.80
1.50
(9,20) 6ϕ20 8.90
(3,50) 3.20 18ϕ20
(2,00) 0.60 0.10 3ϕ20
(2,80) 1.05 2ϕ20
(3,25) 1.05 0.45 2ϕ20
(3,80) 1.05 1.00 2ϕ20
(4,25) 1.05 1.45 2ϕ20
(2,00) 0.60 0.10 2ϕ20
(2,25) 1.05 2ϕ20
(3,30) 1.05 0.05 1ϕ20
(3,80) 1.05 0.50 1ϕ20
(4,30) 1.05 1.00 1ϕ20
1.50
(3,15) 2.85 12ϕ20
(3,20) 2.90 15ϕ20
(9.20) 6ϕ20

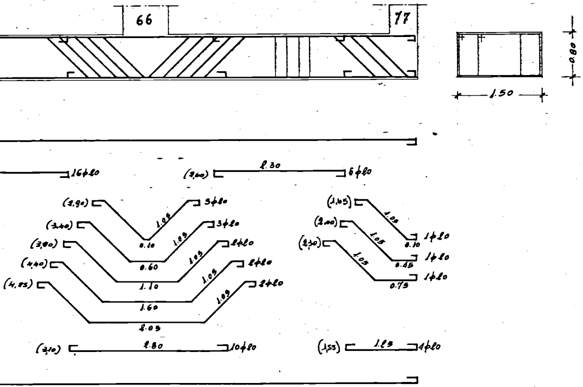

7
6ϕ20
(2,60) 2.30
1ϕ20 1.00 1.05 (2,55)
1ϕ20 1.20 1.05 (2,75)
1ϕ20 1.40 1.05 (2,95)
1ϕ20 1.65 1.05 (3,20)
1ϕ20 1.90 1.05 (3,45)
6ϕ20

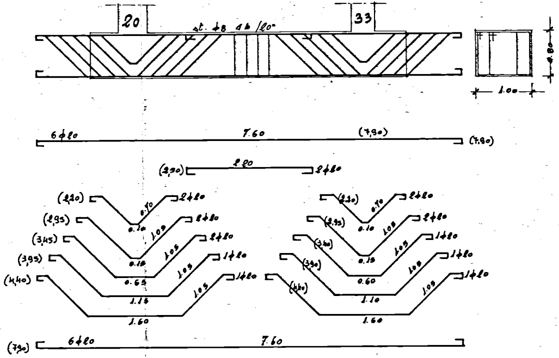

18
31
42
st. φ8 16/20
0.80
1.50
16.05
6φ20
8φ20
(2,40) 2.10 1φ20
(2,65) 2.35 6φ20
(2,40) 0.80 0.10 2φ20
(3,10) 1.05 0.30 2φ20
(3,55) 1.05 0.75 2φ20
(4,00) 1.05 1.20 2φ20
(4,30) 1.05 1.70 1φ20
(2,20) 0.70 0.10 3φ20
(3,00) 1.05 0.20 3φ20
(3,50) 1.05 0.70 2φ20
(3,95) 1.05 1.15 2φ20
(4,40) 1.05 1.60 2φ20
(2,90) 1.05 0.10 2φ20
(3,40) 1.05 0.60 2φ20
(3,90) 1.05 1.10 2φ20
(4,50) 1.05 1.50 1φ20
(4,80) 1.05 2.00 1φ20
(3,40) 3.10 3φ20
16.05
(3,00) 2.70
6φ20

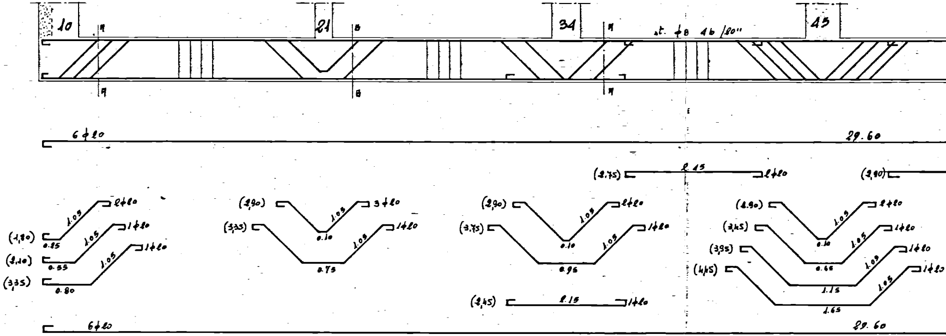


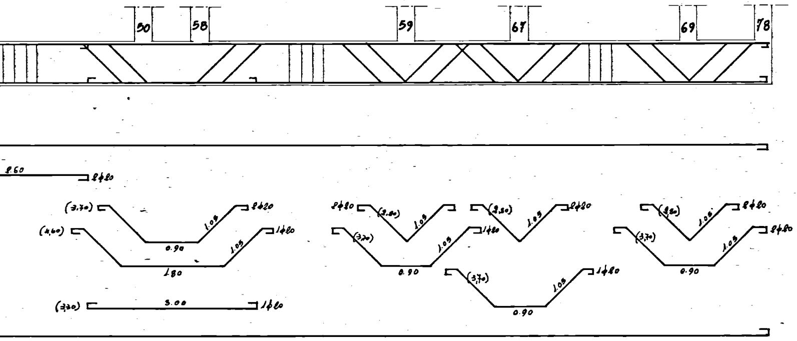
st. φ8 4b/20"
56
65
0.80
1.50
17.55
(3,15) 2.85 16φ20
(3,40) 3.10 18φ20
(2,60) 2.30 9φ20
(2,40) 0.80 0.10 3φ20
(3,10) 1.05 0.30 2φ20
(3,55) 1.05 0.75 2φ20
(4,05) 1.05 1.25 2φ20
(4,55) 1.05 1.75 2φ20
(2,40) 0.80 0.10 2φ20
(3,15) 1.05 0.35 2φ20
(3,55) 1.05 0.75 2φ20
(4,05) 1.05 1.25 2φ20
(4,55) 1.05 1.75 1φ20
16φ20
(2,80) 2.50 12φ20
(3,20) 2.50 13φ20
(3,05) 1.75 9φ20
17.55


19
32
57
st. φ8 16/20
6φ20
26.20
(2,45)
2.15
1φ20
(6,20)
5.90
16φ20
(3,35)
3.05
(2,00)
0.60
0.10
2φ20
(2,85)
1.05
2φ20
(3,00)
0.05
1.05
2φ20
(3,80)
0.50
1.05
2φ20
(4,35)
1.00
1.05
1φ20
1.55
(2,20)
0.70
0.10
2φ20
(3,00)
1.05
0.20
2φ20
(3,45)
1.05
0.65
2φ20
(3,95)
1.05
1.15
2φ20
(4,50)
1.05
1.70
(4,80)
4.50
1φ20
(2,00)
0.60
0.10
3φ20
(3,00)
1.05
0.20
3φ20
(3,45)
1.05
0.65
2φ20
(4,00)
1.05
1.20
2φ20
(4,45)
1.05
1.65
2φ20
(4,70)
4.40
1φ20
6φ20
26.20

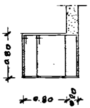

66
77
0.80
1.50
16ϕ20
(2,60)
2.30
6ϕ20
(2,90)
1.05
3ϕ20
0.10
(3,40)
1.05
3ϕ20
0.60
(3,90)
1.05
2ϕ20
1.10
(4,40)
1.05
2ϕ20
1.60
(4,85)
1.05
2ϕ20
2.05
(1,65)
1.05
1ϕ20
0.10
(2,00)
1.05
1ϕ20
0.45
(2,30)
1.05
1ϕ20
0.75
(3,10)
2.80
10ϕ20
(1,55)
1.25
4ϕ20


20
33
st. ϕ8 4b/20
0.80
1.00
6ϕ20
7.60
(7,90)
(7.90)
(2,90)
2.20
2ϕ20
(2,20)
0.70
2ϕ20
0.10
(2,95)
1.09
2ϕ20
0.15
(3,45)
1.05
2ϕ20
0.65
(3,95)
1.05
1ϕ20
1.15
(4,40)
1.05
1ϕ20
1.60
(2,20)
0.70
2ϕ20
0.10
(2,95)
1.05
2ϕ20
0.15
(3,40)
1.05
1ϕ20
0.60
(3,90)
1.05
1ϕ20
1.10
(4,40)
1.05
1ϕ20
1.60
(7,90)
6ϕ20
7.60

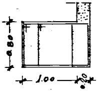

10
21
34
45
A
B
A
A
B
A
st. φ8 46/20"
6φ20
29.60
(2.75)
2.15
2φ20
(2,90)
(1,80)
0.25
1.05
2φ20
(2,10)
0.55
1.05
1φ20
(3,35)
0.80
1.05
1φ20
(2,90)
1.05
0.10
3φ20
(3,35)
0.75
1.05
1φ20
(2,90)
1.05
0.10
2φ20
(3,75)
0.95
1.05
1φ20
(2,45)
2.15
1φ20
(2.90)
1.05
0.10
2φ20
(3,45)
0.65
1.05
1φ20
(3,95)
1.15
1.09
1φ20
(4,45)
1.65
1.05
1φ20
6φ20
29.60

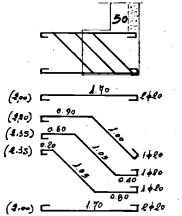

50
58
59
67
69
78
2.60
2φ20
(3.70)
2φ20
1.05
0.90
(4.60)
1φ20
1.05
1.80
(3.20)
3.00
1φ20
2φ20
(2.80)
1.05
(3.70)
1φ20
1.05
0.90
(2.80)
2φ20
1.05
(3.70)
1φ20
1.05
0.90
(2.80)
2φ20
1.05
(3.70)
2φ20
1.05
0.90

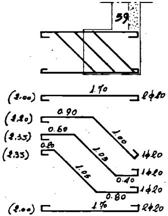
Sez. A-A

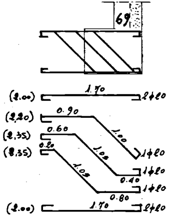


Sez. B-B




50
(2.00)
1.70
2φ20
(2.20)
0.90
1.00
1φ20
(2.35)
0.60
1.05
0.40
1φ20
(2.35)
0.20
1.05
0.80
1φ20
(2.00)
1.70
2φ20


59
(2.00)
1.70
2φ20
(2.20)
0.90
1.00
1φ20
(2.35)
0.60
1.05
0.40
1φ20
(2.35)
0.20
1.05
0.80
1φ20
(2.00)
1.70
2φ20


69
(2.00)
1.70
2φ20
(2.20)
0.90
1.00
1φ20
(2.35)
0.60
1.05
0.40
1φ20
(2.35)
0.20
1.05
0.80
1φ20
(2.00)
1.70
2φ20