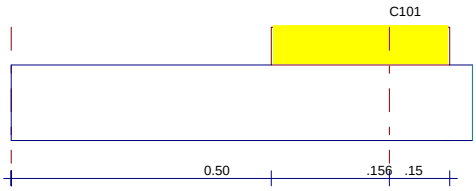
FOUNDATION DESIGN RESULTS

T1 CONTINUOUS FTG. (-C101)

I=0 J=1 B/D=60/80 CONTOUR TIE B/D=25/70 BASE SLAB Bo/Do=100/20 Ko= 3000 t/m³ Gzem= 18 t/m² Qg=0.0t/m

LOAD CASE	lftM (tm)	RgtM (tm)	LftT (t)	RgtT (t)
1.(G+G+G+G)	0.00	0.64	0.00	2.57
2.(Q+Q+Q+Q)	0.00	0.11	0.00	0.44
3.(o+Q+o+Q)	0.00	0.07	0.00	0.28
4.(Q+o+Q+o)	0.00	0.04	0.00	0.16
5.(Q+Q+o+Q)	0.00	0.07	0.00	0.29
6.(o+Q+Q+o)	0.00	0.07	0.00	0.29
7.(o+o+Q+Q)	0.00	0.07	0.00	0.30
Soil	0.00	0.00	0.00	0.00
X-Seismic+%5	0.00	-0.20	0.00	-0.78
X-Seismic-%5	0.00	-0.18	0.00	-0.71
Y-Seismic+%5	0.00	-0.28	0.00	-1.12
Y-Seismic-%5	0.00	-0.31	0.00	-1.23
X-Wind +%5	0.00	0.00	0.00	0.00
X-Wind -%5	0.00	0.00	0.00	0.00
Y-Wind +%5	0.00	0.00	0.00	0.00
Y-Wind -%5	0.00	0.00	0.00	0.00

C30 S420 Fk: 0.78 0.30 cm²

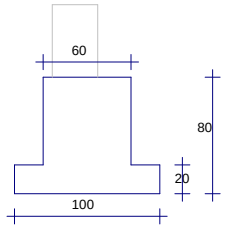


BEARING PRESSURE

Gzg = 11.518 ± 0.142 Gzg = 11.518 ± 0.142
Gzp = 1.509 ± 0.027 Gzp = 1.509 ± 0.027
Gzd = 4.146 ± 0.602 Gzd = 4.146 ± 0.602
Gzw = 0.000 ± 0.000 åmax= 13.20 < 18.00 t/m² Gzw = 0.000 ± 0.000

DESIGN :	botMlft	topMlft	Msp.	botMrgt	topMrgt	base slab
Mcorr. (tm) :	0.00	0.00	(0.00m)	0.35	0.00	
max M (tm) :	0.00	0.00	0.00	1.07	0.00	0.00
fcd (kg/cm²) :	0.00	0.00	0.00	0.00	0.00	200.00
As' (cm²) :	0.00	0.00	0.00	0.00	0.00	
As (cm²) :	0.00	0.00	0.00	0.00	0.00	5.00

REINF :4ø12(top.)+6ø10(web.)+2ø20(rgt bot add.)+ø12/20 ftg.
4ø14(str)+3ø20(rgt top add.) + 2ø8/20(stirrup)

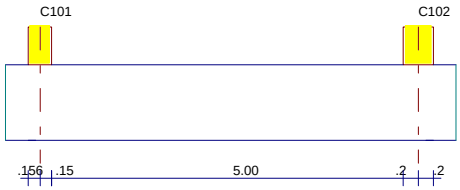


T1 CONTINUOUS FTG. (C101-C102)

I=1 J=2 B/D=60/80 CONTOUR TIE B/D=25/70 BASE SLAB Bo/Do=100/20 Ko= 3000 t/m³ Gzem= 18 t/m² Qg=0.0t/m

LOAD CASE	lftM (tm)	RgtM (tm)	LftT (t)	RgtT (t)
1.(G+G+G+G)	-0.34	44.94	-14.78	33.44
2.(Q+Q+Q+Q)	-0.06	7.87	-2.10	5.34
3.(o+Q+o+Q)	0.13	3.70	-1.41	2.89
4.(Q+o+Q+o)	-0.19	4.07	-0.66	2.36
5.(Q+Q+o+Q)	-0.21	5.61	-1.35	3.60
6.(o+Q+Q+o)	0.18	4.80	-1.37	3.44
7.(o+o+Q+Q)	-0.09	5.12	-1.43	3.47
Soil	0.00	0.00	0.00	0.00
X-Seismic+%5	-21.25	6.73	0.90	-5.04
X-Seismic-%5	-22.91	7.94	0.28	-4.68
Y-Seismic+%5	2.49	-0.34	9.15	-8.26
Y-Seismic-%5	4.91	-2.07	10.05	-8.77
X-Wind +%5	0.00	0.00	0.00	0.00
X-Wind -%5	0.00	0.00	0.00	0.00
Y-Wind +%5	0.00	0.00	0.00	0.00
Y-Wind -%5	0.00	0.00	0.00	0.00

C30 S420 Fk: 4.13 14.11 cm²

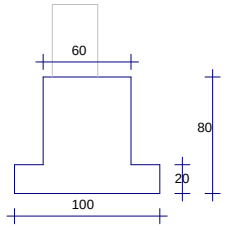


BEARING PRESSURE

Gzg = 11.518 ± 0.142 Gzg = 12.487 ± 0.084
Gzp = 1.509 ± 0.027 Gzp = 1.651 ± 0.022
Gzd = 4.146 ± 0.602 Gzd = 3.965 ± 2.632
Gzw = 0.000 ± 0.000 åmax= 14.24 < 18.00 t/m² Gzw = 0.000 ± 0.000

DESIGN :	botMlft	topMlft	Msp.	botMrgt	topMrgt	base slab
Mcorr. (tm) :	-1.03	-1.49	(1.60m)	5.62	0.00	
max M (tm) :	-23.45	22.75	18.68	75.51	0.00	0.26
fcd (kg/cm²) :	200.00	200.00	200.00	200.00	0.00	200.00
As' (cm²) :	0.00	0.00	0.00	0.00	0.00	
As (cm²) :	15.32	15.32	12.25	15.32	0.00	5.00

REINF :4ø12(top.)+6ø10(web.)+ø12/20 ftg.
4ø14(str)+4ø14(bent.) + 2ø8/20/10(stirrup)

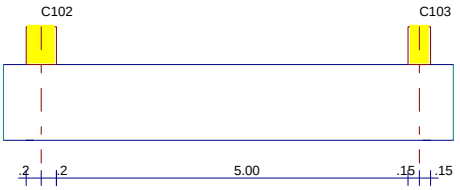


T1 CONTINUOUS FTG. (C102-C103)

I=2 J=3 B/D=60/80 CONTOUR TIE B/D=25/70 BASE SLAB Bo/Do=100/20 Ko= 3000 t/m³ Gzem= 18 t/m² Qg=0.0t/m

LOAD CASE	lftM (tm)	RgtM (tm)	LftT (t)	RgtT (t)
1.(G+G+G+G)	-45.51	35.97	-28.76	24.32
2.(Q+Q+Q+Q)	-7.94	5.96	-4.42	3.46
3.(o+Q+o+Q)	-4.05	2.06	-2.47	1.50
4.(Q+o+Q+o)	-3.79	3.78	-1.85	1.83
5.(Q+Q+o+Q)	-5.44	3.65	-3.04	2.20
6.(o+Q+Q+o)	-5.14	3.99	-2.87	2.32
7.(o+o+Q+Q)	-5.10	4.03	-2.73	2.14
Soil	0.00	0.00	0.00	0.00
X-Seismic+%5	-19.08	-17.66	-7.34	-6.59
X-Seismic-%5	-22.22	-19.01	-8.43	-7.50
Y-Seismic+%5	1.06	0.81	10.15	-10.03
Y-Seismic-%5	5.62	2.78	11.73	-8.70
X-Wind +%5	0.00	0.00	0.00	0.00
X-Wind -%5	0.00	0.00	0.00	0.00
Y-Wind +%5	0.00	0.00	0.00	0.00
Y-Wind -%5	0.00	0.00	0.00	0.00

C30 S420 Fk: 7.91 6.72 cm²

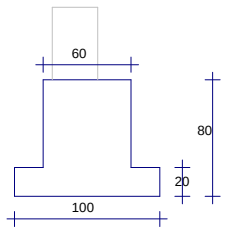


BEARING PRESSURE

Gzg = 12.487 ± 0.084 Gzg = 11.752 ± 0.027
Gzp = 1.651 ± 0.022 Gzp = 1.445 ± 0.015
Gzd = 3.965 ± 2.632 Gzd = 4.509 ± 2.019
Gzw = 0.000 ± 0.000 åmax= 14.24 < 18.00 t/m² Gzw = 0.000 ± 0.000

DESIGN :	botMlft	topMlft	Msp.	botMrgt	topMrgt	base slab
Mcorr. (tm) :	-4.65	0.00	(2.66m)	2.07	0.00	
max M (tm) :	-76.42	0.00	-13.52	60.93	0.00	0.28
fcd (kg/cm²) :	200.00	0.00	0.00	200.00	0.00	200.00
As' (cm²) :	0.00	0.00	0.00	0.00	0.00	
As (cm²) :	15.32	0.00	12.25	15.32	0.00	5.00

REINF :4ø12(top.)+6ø10(web.)+ø12/20 ftg.
4ø14(str)+4ø14(bent.) + 2ø8/20/10(stirrup)



T4 CONTINUOUS FTG. (C108-C112)

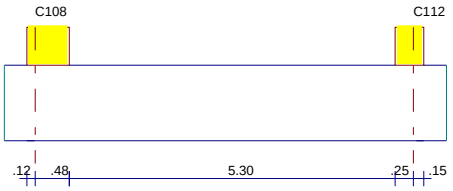
I=8 J=12 B/D=60/80 CONTOUR TIE B/D=25/70 BASE SLAB Bo/Do=100/20 Ko= 3000 t/m³ Gzem= 18 t/m² Qg=0.0t/m

LOAD CASE	lftM (tm)	RgtM (tm)	LftT (t)	RgtT (t)
1.(G+G+G+G)	-19.66	0.97	-24.16	17.16
2.(Q+Q+Q+Q)	-1.66	0.09	-2.55	1.89
3.(o+Q+o+Q)	-0.53	0.23	-1.00	0.86
4.(Q+o+Q+o)	-1.07	-0.11	-1.45	0.99
5.(Q+Q+o+Q)	-1.03	0.01	-1.72	1.30
6.(o+Q+Q+o)	-1.64	0.09	-1.85	1.19
7.(o+o+Q+Q)	-0.54	0.12	-1.33	1.20
Soil	0.00	0.00	0.00	0.00
X-Seismic+%5	-6.56	0.59	-8.22	6.48
X-Seismic-%5	-9.81	-0.76	-9.21	5.78
Y-Seismic+%5	-29.85	-16.72	-13.01	-1.32
Y-Seismic-%5	-25.07	-14.74	-11.55	-0.29
X-Wind +%5	0.00	0.00	0.00	0.00
X-Wind -%5	0.00	0.00	0.00	0.00
Y-Wind +%5	0.00	0.00	0.00	0.00
Y-Wind -%5	0.00	0.00	0.00	0.00

C30 S420 Fk: 8.34 6.04 cm²

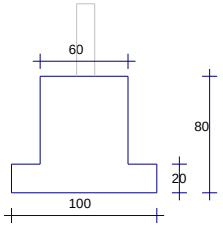
DESIGN :	botMlft	topMlft	Msp.	botMrgt	topMrgt	base slab
Mcorr. (tm)	-3.52	-3.57	(2.99m)	1.69	2.21	
max M (tm)	-51.18	12.16	26.56	17.92	-15.86	0.23
fcd (kg/cm²)	200.00	200.00	200.00	200.00	0.00	200.00
As' (cm²)	0.00	0.00	0.00	0.00	0.00	
As (cm²)	15.32	15.32	12.25	15.32	0.00	5.00

REINF :4ø12(top.)+6ø10(web.)+2ø20(rgt bot add.)+ø12/20 ftg.
4ø14(str)+4ø14(bent.) + 2ø8/20/10(stirrup)



BEARING PRESSURE

Gzg = 10.264 ± 0.160 Gzg = 10.761 ± 0.128
Gzp = 0.965 ± 0.047 Gzp = 0.920 ± 0.049
Gzd = 2.730 ± 0.481 Gzd = 5.039 ± 0.290
Gzw = 0.000 ± 0.000 åmax= 11.86 < 18.00 t/m² Gzw = 0.000 ± 0.000



T4 CONTINUOUS FTG. (C112-)

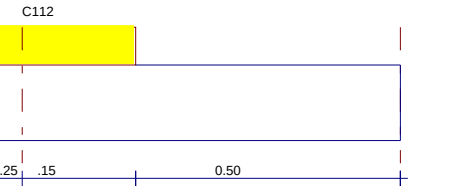
I=12 J=0 B/D=60/80 CONTOUR TIE B/D=25/70 BASE SLAB Bo/Do=100/20 Ko= 3000 t/m³ Gzem= 18 t/m² Qg=0.0t/m

LOAD CASE	lftM (tm)	RgtM (tm)	LftT (t)	RgtT (t)
1.(G+G+G+G)	-0.80	0.00	-2.91	0.00
2.(Q+Q+Q+Q)	-0.09	0.00	-0.32	0.00
3.(o+Q+o+Q)	-0.04	0.00	-0.14	0.00
4.(Q+o+Q+o)	-0.05	0.00	-0.19	0.00
5.(Q+Q+o+Q)	-0.06	0.00	-0.22	0.00
6.(o+Q+Q+o)	-0.06	0.00	-0.22	0.00
7.(o+o+Q+Q)	-0.06	0.00	-0.20	0.00
Soil	0.00	0.00	0.00	0.00
X-Seismic+%5	-0.35	0.00	-1.26	0.00
X-Seismic-%5	-0.36	0.00	-1.31	0.00
Y-Seismic+%5	-0.53	0.00	-1.88	0.00
Y-Seismic-%5	-0.51	0.00	-1.81	0.00
X-Wind +%5	0.00	0.00	0.00	0.00
X-Wind -%5	0.00	0.00	0.00	0.00
Y-Wind +%5	0.00	0.00	0.00	0.00
Y-Wind -%5	0.00	0.00	0.00	0.00

C30 S420 Fk: 0.24 0.87 cm²

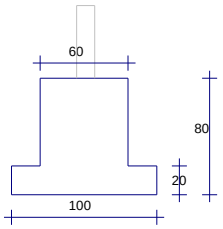
DESIGN :	botMlft	topMlft	Msp.	botMrgt	topMrgt	base slab
Mcorr. (tm)	-0.20	0.00	(0.00m)	0.00	0.00	
max M (tm)	-1.42	0.00	0.00	0.00	0.00	0.24
fcd (kg/cm²)	200.00	0.00	0.00	200.00	200.00	200.00
As' (cm²)	0.00	0.00	0.00	0.00	0.00	
As (cm²)	15.32	0.00	0.00	4.06	3.47	5.00

REINF :4ø12(top.)+6ø10(web.)+ø12/20 ftg.
4ø14(str) + 2ø8/20(stirrup)



BEARING PRESSURE

Gzg = 10.761 ± 0.128 Gzg = 10.761 ± 0.128
Gzp = 0.920 ± 0.049 Gzp = 0.920 ± 0.049
Gzd = 5.039 ± 0.290 Gzd = 5.039 ± 0.290
Gzw = 0.000 ± 0.000 åmax= 11.86 < 18.00 t/m² Gzw = 0.000 ± 0.000



T7 CONTINUOUS FTG. (-C105)

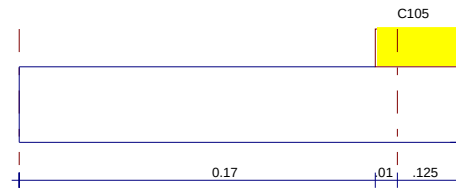
I=0 J=5 B/D=60/80 CONTOUR TIE B/D=25/70 BASE SLAB Bo/Do=100/20 Ko= 3000 t/m³ Gzem= 18 t/m² Qg=0.0t/m

LOAD CASE	lftM (tm)	RgtM (tm)	LftT (t)	RgtT (t)
1.(G+G+G+G)	0.00	0.23	0.00	2.02
2.(Q+Q+Q+Q)	0.00	0.03	0.00	0.30
3.(o+Q+o+Q)	0.00	0.02	0.00	0.17
4.(Q+o+Q+o)	0.00	0.01	0.00	0.13
5.(Q+Q+o+Q)	0.00	0.02	0.00	0.19
6.(o+Q+Q+o)	0.00	0.02	0.00	0.19
7.(o+o+Q+Q)	0.00	0.02	0.00	0.21
Soil	0.00	0.00	0.00	0.00
X-Seismic+%5	0.00	-0.07	0.00	-0.62
X-Seismic-%5	0.00	-0.07	0.00	-0.61
Y-Seismic+%5	0.00	-0.01	0.00	-0.12
Y-Seismic-%5	0.00	-0.02	0.00	-0.13
X-Wind +%5	0.00	0.00	0.00	0.00
X-Wind -%5	0.00	0.00	0.00	0.00
Y-Wind +%5	0.00	0.00	0.00	0.00
Y-Wind -%5	0.00	0.00	0.00	0.00

C30 S420 Fk: 0.00 0.00 cm²

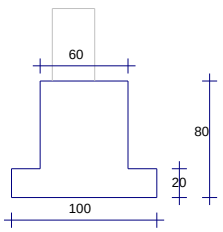
DESIGN :	botMlft	topMlft	Msp.	botMrgt	topMrgt	base slab
Mcorr. (tm)	0.00	0.00	(0.00m)	0.12	0.00	
max M (tm)	0.00	0.00	0.00	0.38	0.00	0.00
fcd (kg/cm²)	0.00	0.00	0.00	0.00	0.00	200.00
As' (cm²)	0.00	0.00	0.00	0.00	0.00	
As (cm²)	0.00	0.00	0.00	0.00	0.00	5.00

REINF :4ø12(top.)+6ø10(web.)+2ø20(rgt bot add.)+ø12/20 ftg.
4ø14(str)+3ø20(rgt top add.) + 2ø8/20(stirrup)



BEARING PRESSURE

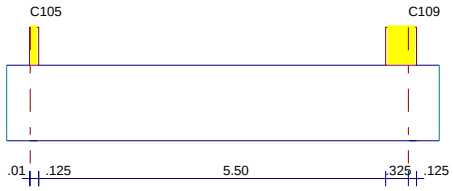
Gzg = 10.469 ± 0.059 Gzg = 10.469 ± 0.059
Gzp = 1.313 ± 0.010 Gzp = 1.313 ± 0.010
Gzd = 2.707 ± 1.302 Gzd = 2.707 ± 1.302
Gzw = 0.000 ± 0.000 åmax= 11.85 < 18.00 t/m² Gzw = 0.000 ± 0.000



T7 CONTINUOUS FTG. (C105-C109)

I=5 J=9 B/D=60/80 CONTOUR TIE B/D=25/70 BASE SLAB Bo/Do=100/20 Ko= 3000 t/m³ Gzem= 18 t/m² Qg=0.0t/m

LOAD CASE	lftM (tm)	RgtM (tm)	LftT (t)	RgtT (t)
1.(G+G+G+G)	-22.70	-0.19	-24.77	14.89
2.(Q+Q+Q+Q)	-3.36	0.03	-3.66	2.18
3.(o+Q+o+Q)	-1.56	0.04	-1.87	1.06
4.(Q+o+Q+o)	-1.72	-0.03	-1.71	1.04
5.(Q+Q+o+Q)	-1.87	-0.08	-2.24	1.31
6.(o+Q+Q+o)	-2.26	0.11	-2.36	1.40
7.(o+o+Q+Q)	-2.42	-0.01	-2.55	1.49
Soil	0.00	0.00	0.00	0.00
X-Seismic+%5	6.74	0.04	8.34	-6.11
X-Seismic-%5	9.18	2.77	9.44	-5.43
Y-Seismic+%5	-21.06	-23.97	-9.99	-4.16
Y-Seismic-%5	-24.62	-27.97	-11.58	-5.15
X-Wind +%5	0.00	0.00	0.00	0.00
X-Wind -%5	0.00	0.00	0.00	0.00
Y-Wind +%5	0.00	0.00	0.00	0.00
Y-Wind -%5	0.00	0.00	0.00	0.00



BEARING PRESSURE

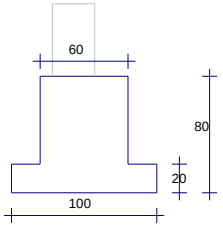
Gzg = 10.469 ± 0.059	Gzg = 8.952 ± 0.153
Gzp = 1.313 ± 0.010	Gzp = 1.034 ± 0.030
Gzd = 2.707 ± 1.302	Gzd = 3.294 ± 0.356
Gzw = 0.000 ± 0.000	Gzw = 0.000 ± 0.000

åmax= 11.85 < 18.00 t/m²

C30 S420 Fk: 10.68 5.21 cm²

DESIGN :	botMlft	topMlft	Msp.	botMrgt	topMrgt	base slab
Mcorr. (tm) :	-0.93	-0.77	(3.14m)	-2.04	-1.90	
max M (tm) :	-50.68	4.20	26.47	27.88	-28.24	0.24
fcd (kg/cm²) :	200.00	200.00	200.00	200.00	0.00	200.00
As' (cm²) :	0.00	0.00	0.00	0.00	0.00	
As (cm²) :	15.32	15.32	12.25	15.32	0.00	5.00

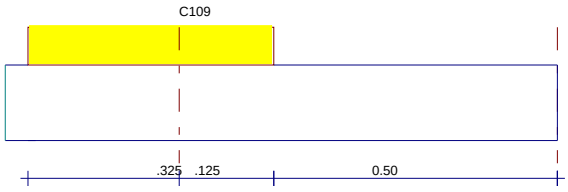
REINF :4ø12(top.)+6ø10(web.)+2ø20(rgt bot add.)+ø12/20 ftg.
4ø14(str)+4ø14(bent.) + 2ø8/20/10(stirrup)



T7 CONTINUOUS FTG. (C109-)

I=9 J=0 B/D=60/80 CONTOUR TIE B/D=25/70 BASE SLAB Bo/Do=100/20 Ko= 3000 t/m³ Gzem= 18 t/m² Qg=0.0t/m

LOAD CASE	lftM (tm)	RgtM (tm)	LftT (t)	RgtT (t)
1.(G+G+G+G)	-0.78	0.00	-2.60	0.00
2.(Q+Q+Q+Q)	-0.12	0.00	-0.41	0.00
3.(o+Q+o+Q)	-0.05	0.00	-0.17	0.00
4.(Q+o+Q+o)	-0.07	0.00	-0.22	0.00
5.(Q+Q+o+Q)	-0.07	0.00	-0.24	0.00
6.(o+Q+Q+o)	-0.08	0.00	-0.26	0.00
7.(o+o+Q+Q)	-0.09	0.00	-0.29	0.00
Soil	0.00	0.00	0.00	0.00
X-Seismic+%5	0.38	0.00	1.26	0.00
X-Seismic-%5	0.41	0.00	1.35	0.00
Y-Seismic+%5	-0.38	0.00	-1.25	0.00
Y-Seismic-%5	-0.42	0.00	-1.37	0.00
X-Wind +%5	0.00	0.00	0.00	0.00
X-Wind -%5	0.00	0.00	0.00	0.00
Y-Wind +%5	0.00	0.00	0.00	0.00
Y-Wind -%5	0.00	0.00	0.00	0.00



BEARING PRESSURE

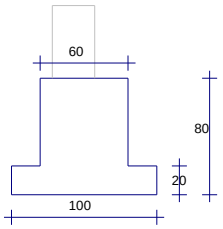
Gzg = 8.952 ± 0.153	Gzg = 8.952 ± 0.153
Gzp = 1.034 ± 0.030	Gzp = 1.034 ± 0.030
Gzd = 3.294 ± 0.356	Gzd = 3.294 ± 0.356
Gzw = 0.000 ± 0.000	Gzw = 0.000 ± 0.000

åmax= 11.85 < 18.00 t/m²

C30 S420 Fk: 0.24 0.94 cm²

DESIGN :	botMlft	topMlft	Msp.	botMrgt	topMrgt	base slab
Mcorr. (tm) :	-0.23	0.00	(0.00m)	0.00	0.00	
max M (tm) :	-1.32	0.00	0.00	0.00	0.00	0.24
fcd (kg/cm²) :	200.00	0.00	0.00	200.00	200.00	200.00
As' (cm²) :	0.00	0.00	0.00	0.00	0.00	
As (cm²) :	15.32	0.00	0.00	7.50	5.06	5.00

REINF :4ø12(top.)+6ø10(web.)+ø12/20 ftg.
4ø14(str) + 2ø8/20(stirrup)



T5 SINGLE FTNG.

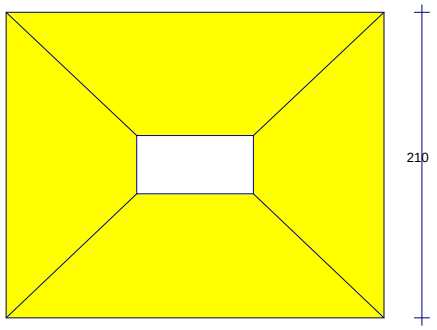
Bx= 260 cm By= 210 cm D= 50 cm I= 6 Ko= 3000 t/m³ Gzem= 18 t/m²

COMBINATION	Mx (tm)	My (tm)
1.(G+G+G+G)	-0.47	0.41
2.(Q+Q+Q+Q)	-0.07	0.06
3.(o+Q+o+Q)	-0.35	-0.05
4.(Q+o+Q+o)	0.28	0.11
5.(Q+Q+o+Q)	0.14	0.08
6.(o+Q+Q+o)	-0.34	-0.04
7.(o+o+Q+Q)	0.06	0.07
Soil	0.00	0.00
X-Seismic+%5	-26.68	0.22
X-Seismic-%5	-27.69	0.76
Y-Seismic+%5	0.58	-8.56
Y-Seismic-%5	2.07	-9.34
X-Wind +%5	0.00	0.00
X-Wind -%5	0.00	0.00
Y-Wind +%5	0.00	0.00
Y-Wind -%5	0.00	0.00

Vpr =204.285 (t) > Vpd =108.094 (t)

Gzx = 21.098 t/m²

Gzy = 16.543 t/m²



DESIGN	x dir.	y dir.
M max (tm) :	28.51	9.85
M ftg. (tm) :	25.28/by	24.79/bx
fcd (kg/cm²) :	200.00	200.00
As' (cm²) :	0.00	0.00
As (cm²) :	21.34	25.94

REINF :11ø20/20(X dir.) +14ø20/20(Y dir.)