



DETAILS OF SHEAR WALL 8

ELEVATION VIEW

ETABS MATE » Main Rebar Lister of Shear Walls						
Position Number	Rebar Shape (schematic)	Dia. (mm)	Length (cm)	Weight (kg)	Number (pcs)	Weight Total (kg)
1s	560	ø25	560	21.6	16	345.3
2s	240	ø25	270	10.4	16	166.5
3s	374	ø10	404	2.5	200	498.2
4s	495	ø20	495	12.2	18	219.7
5s	175	ø20	200	4.9	18	88.8
6s	475	ø16	475	7.5	28	209.9
7s	155	ø16	175	2.8	28	77.3
8s	450	ø20	450	11.1	16	177.6
9s	430	ø16	430	6.8	52	352.9
10s	420	ø14	420	5.1	28	142.1
11s	410	ø12	410	3.6	28	101.9
12s	337	ø16	357	5.6	34	191.6
13s	337	ø12	352	3.1	28	87.5
Shear Wall Main Rebar Summation Values »					510	2659 kg

ETABS MATE » Tie and Tiepine Lister of Shear Walls						
Position Number	Tie Shape (schematic)	Dia. (mm)	Length (cm)	Weight (kg)	Number (pcs)	Weight Total (kg)
T1s	32	ø10	146	0.9	112	100.8
T2s	32	ø10	63	0.4	224	87
T3s	80	ø10	212	1.3	112	146.4
T4s	17	ø10	48	0.3	336	99.4
T5s	40	ø10	132	0.8	112	91.1
Shear Wall Tie and Tiepine Summation Values »					896	525 kg

ETABS MATE » Shear Wall Rebars Summary Report				
Rebar Size	Diameter (mm)	Length (m)	12m Bar Number	Weight (kg)
ø10	10	1659.2	138	1023
ø12	12	213.4	18	189
ø14	14	117.6	10	142
ø16	16	527	44	832
ø20	20	197.1	16	486
ø25	25	132.8	11	512
» Shear Wall Rebars Total Weight = 3184 kg (3.184 ton)				

Overlap Length According to Rebar Position in cm										
Rebar Size	ø10	ø12	ø14	ø16	ø18	ø20	ø22	ø25	ø28	ø32
Beam Top	75	90	100	115	130	145	200	225	250	285
Beam Bottom	55	70	80	90	100	110	155	175	195	225
Column-Wall	55	70	80	90	100	110	155	175	195	225