

ESTIMATE



EKUSHEY BHABAN

28 July 2011

**SUPERSTRUCURE**

**RCC**



### Estimate for Superstructure

Item 02A1 Concrete-4500 psi in GF

#### Member Id : B

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	B01	1	51.65	1.17	1.25	75.54
1	B02	1	29.91	1.17	1.00	34.99
1	B03A	1	46.50	1.17	1.00	54.41
1	B04	1	78.50	1.17	1.00	91.85
1	B06A	1	34.50	1.17	1.25	50.46
1	B07	1	34.00	1.17	0.83	33.02
1	B08	1	34.00	1.17	1.25	49.73
1	B10	1	11.67	1.17	1.00	13.65
1	B11	1	17.50	1.17	1.00	20.48
1	B12	1	16.00	1.17	1.00	18.72
1	B13	1	16.00	1.17	1.00	18.72
1	B14	1	17.50	1.17	1.00	20.48
1	B15	1	19.00	1.17	1.00	22.23
1	B16	1	19.25	1.17	1.00	22.52
1	B17	1	52.67	1.17	1.00	61.62
1	B18	1	3.50	1.17	0.83	3.40
1	SLB	1	347.00	7.00	0.67	1,627.43
Sub-total:						2,219.23

#### Member Id : COL

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	C1	2	4.58	1.50	11.50	158.01
1	C1A	1	4.58	1.50	11.50	79.01
1	C1B	1	5.41	1.50	11.50	93.32
1	C1C	1	5.08	1.50	11.50	87.63
1	C2	1	5.00	1.50	11.50	86.25
1	C2A	1	5.83	1.50	11.50	100.57
1	C2B	1	5.50	1.50	11.50	94.88
1	C3	2	7.00	1.50	11.50	241.50
1	C4	1	4.17	1.50	11.50	71.93
1	C5	3	3.50	1.50	11.50	181.13
1	C5A	1	3.50	1.50	11.50	60.38
Sub-total:						1,254.59

#### Member Id : STA

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	S1	2	5.50	10.83	0.50	59.57
1	S1	1	10.00	10.50	0.50	52.50
1	S1	20	5.00	0.83	0.25	20.75
1	S2	1	5.50	11.50	0.50	31.63
1	S2	20	5.33	0.83	0.25	22.12
1	S2	1	7.00	11.50	0.50	40.25
1	S2	1	11.50	10.00	0.50	57.50
Sub-total:						284.31

#### Member Id : SW1

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
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**Estimate for Superstructure**

Item 02A1 Concrete-4500 psi in GF

**Member Id : SW1**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW1	1	8.00	1.00	11.50	92.00
Sub-total:						92.00

**Member Id : SW2**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW2	2	8.33	1.00	11.50	191.59
1	SW2	1	4.00	1.00	11.50	46.00
1	SW2	1	6.33	0.67	11.50	48.77
1	SW2	1	14.00	1.00	11.50	161.00
1	SW2	1	3.75	1.00	11.50	43.13
1	SW2	2	1.67	1.00	11.50	38.41
Sub-total:						528.90

**Member Id : SW3**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW3	2	11.50	1.00	11.50	264.50
1	SW3	1	3.00	1.00	11.50	34.50
1	SW3	1	6.33	1.00	11.50	72.80
Sub-total:						371.80

**Total : 4,750.83**

**Add Wastage = 2.5% : 118.77**

**Total: 4,869.60**

**= 137.89 cum**

Item 02A2 Concrte-3500 psi in GF Roof

**Member Id : SLB**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	S02	1	19.50	30.33	0.67	396.26
1	S03	1	18.68	30.33	0.67	379.60
1	S04	1	16.50	13.50	0.50	111.38
1	S05	1	29.33	12.00	0.58	204.14
1	S06	1	22.17	13.50	0.58	173.59
1	S07	1	18.67	15.17	0.50	141.61
1	S08	1	10.50	5.25	0.50	27.56
1	S09	1	6.17	12.00	0.83	61.45
1	S10	1	6.17	13.50	0.83	69.13
1	S11	1	6.17	15.17	0.83	77.69
1	S12	1	16.33	7.67	0.67	83.92
1	S13	1	13.17	7.67	0.67	67.68
1	S14	1	10.33	5.00	0.50	25.83
1	S15	1	32.08	5.25	0.91	153.26
1	S16	1	13.33	5.25	0.91	63.68
1	S17	1	2.50	2.67	0.58	3.87
Sub-total:						2,040.65

**Total : 2,040.65**

**Add Wastage = 2.5% : 51.02**



**Estimate for Superstructure**

Item 02A2 Concrte-3500 psi in GF Roof

**Total: 2,091.67 cum**  
**= 59.229**

Item 02B1 Concrete-4500psi -1st Floor

**Member Id : B**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	B01	1	51.65	1.17	1.25	75.54
1	B02	1	29.91	1.17	1.00	34.99
1	B03A	1	46.50	1.17	1.00	54.41
1	B04	1	78.50	1.17	1.00	91.85
1	B06A	1	34.50	1.17	1.25	50.46
1	B07	1	34.00	1.17	0.83	33.02
1	B08	1	34.00	1.17	1.25	49.73
1	B10	1	11.67	1.17	1.00	13.65
1	B11	1	17.50	1.17	1.00	20.48
1	B12	1	16.00	1.17	1.00	18.72
1	B13	1	16.00	1.17	1.00	18.72
1	B14	1	17.50	1.17	1.00	20.48
1	B15	1	19.00	1.17	1.00	22.23
1	B16	1	19.25	1.17	1.00	22.52
1	B17	1	52.67	1.17	1.00	61.62
1	B18	1	3.50	1.17	0.83	3.40
1	SLB	1	347.00	7.00	0.67	1,627.43

Sub-total: 2,219.23

**Member Id : COL**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	C1	2	4.58	1.50	10.00	137.40
1	C1A	1	4.58	1.50	10.00	68.70
1	C1B	1	5.41	1.50	10.00	81.15
1	C1C	1	5.08	1.50	10.00	76.20
1	C2	1	5.00	1.50	10.00	75.00
1	C2A	1	5.83	1.50	10.00	87.45
1	C2B	1	5.50	1.50	10.00	82.50
1	C3	2	7.00	1.50	10.00	210.00
1	C4	1	4.17	1.50	10.00	62.55
1	C5	3	3.50	1.50	10.00	157.50
1	C5A	1	3.50	1.50	10.00	52.50

Sub-total: 1,090.95

**Member Id : STA**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	S1	2	5.50	10.83	0.50	59.57
1	S1	20	5.00	0.83	0.25	20.75
1	S1	1	10.00	10.50	0.50	52.50
1	S2	1	5.50	11.50	0.50	31.63
1	S2	20	5.33	0.83	0.25	22.12
1	S2	1	7.00	11.50	0.50	40.25
1	S2	1	10.00	10.00	0.50	50.00



**Estimate for Superstructure**

Item 02B1 Concrete-4500psi -1st Floor

**Member Id : STA**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
						Sub-total: 276.81

**Member Id : SW1**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW1	1	8.00	1.00	10.00	80.00
						Sub-total: 80.00

**Member Id : SW2**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW2	2	8.33	1.00	10.00	166.60
1	SW2	1	14.00	1.00	10.00	140.00
1	SW2	1	3.75	1.00	10.00	37.50
1	SW2	2	1.67	1.00	10.00	33.40
1	SW2	1	4.00	1.00	10.00	40.00
1	SW2	1	6.33	0.67	10.00	42.41
						Sub-total: 459.91

**Member Id : SW3**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW3	1	6.33	1.00	10.00	63.30
1	SW3	2	10.00	1.00	10.00	200.00
1	SW3	1	3.00	1.00	10.00	30.00
						Sub-total: 293.30

**Total : 4,420.20**

**Add Wastage = 2.5% : 110.51**

**Total: 4,530.71**

**= 128.29 cum**

Item 02B2 Concrete-3500psi-1st Floor Roof

**Member Id : SLB**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	S02	1	19.50	30.33	0.67	396.26
1	S03	1	18.68	30.33	0.67	379.60
1	S04	1	16.50	13.50	0.50	111.38
1	S05	1	29.33	12.00	0.58	204.14
1	S06	1	22.17	13.50	0.58	173.59
1	S07	1	18.67	15.17	0.50	141.61
1	S08	1	10.50	5.25	0.50	27.56
1	S09	1	6.17	12.00	0.83	61.45
1	S10	1	6.17	13.50	0.83	69.13
1	S11	1	6.17	15.17	0.83	77.69
1	S12	1	16.33	7.67	0.67	83.92
1	S13	1	13.17	7.67	0.67	67.68
1	S14	1	10.33	5.00	0.50	25.83
1	S15	1	32.08	5.25	0.91	153.26
1	S16	1	13.33	5.25	0.91	63.68
1	S17	1	2.50	2.67	0.58	3.87





**Estimate for Superstructure**

Item 02B2 Concrete-3500psi-1st Floor Roof

**Member Id : SLB**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
						Sub-total: 2,040.65

**Total : 2,040.65**

**Add Wastage = 2.5% : 51.02**

**Total: 2,091.67**

**= 59.229 cum**

Item 02C1 Concrete-4500psi-2nd Floor

**Member Id : B**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	B01	1	51.65	1.17	1.25	75.54
1	B02	1	29.91	1.17	1.00	34.99
1	B03A	1	46.50	1.17	1.00	54.41
1	B04	1	78.50	1.17	1.00	91.85
1	B06A	1	34.50	1.17	1.25	50.46
1	B07	1	34.00	1.17	0.83	33.02
1	B08	1	34.00	1.17	1.25	49.73
1	B10	1	11.67	1.17	1.00	13.65
1	B11	1	17.50	1.17	1.00	20.48
1	B12	1	16.00	1.17	1.00	18.72
1	B13	1	16.00	1.17	1.00	18.72
1	B14	1	17.50	1.17	1.00	20.48
1	B15	1	19.00	1.17	1.00	22.23
1	B16	1	19.25	1.17	1.00	22.52
1	B17	1	52.67	1.17	1.00	61.62
1	B18	1	3.50	1.17	0.83	3.40
1	SLB	1	347.00	7.00	0.67	1,627.43
						Sub-total: 2,219.23

**Member Id : COL**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	C1	2	4.58	1.50	10.00	137.40
1	C1A	1	4.58	1.50	10.00	68.70
1	C1B	1	5.41	1.50	10.00	81.15
1	C1C	1	5.08	1.50	10.00	76.20
1	C2	1	5.00	1.50	10.00	75.00
1	C2A	1	5.83	1.50	10.00	87.45
1	C2B	1	5.50	1.50	10.00	82.50
1	C3	2	7.00	1.50	10.00	210.00
1	C4	1	4.17	1.50	10.00	62.55
1	C5	3	3.50	1.50	10.00	157.50
1	C5A	1	3.50	1.50	10.00	52.50
						Sub-total: 1,090.95

**Member Id : STA**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	S1	2	5.50	10.83	0.50	59.57



**Estimate for Superstructure**

Item 02C1 Concrete-4500psi-2nd Floor

**Member Id : STA**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	S1	20	5.00	0.83	0.25	20.75
1	S1	1	10.00	10.50	0.50	52.50
1	S2	1	5.50	11.50	0.50	31.63
1	S2	20	5.33	0.83	0.25	22.12
1	S2	1	7.00	11.50	0.50	40.25
1	S2	1	10.00	10.00	0.50	50.00
<b>Sub-total:</b>						<b>276.81</b>

**Member Id : SW1**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW1	1	8.00	1.00	10.00	80.00
<b>Sub-total:</b>						<b>80.00</b>

**Member Id : SW2**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW2	2	8.33	1.00	10.00	166.60
1	SW2	1	4.00	1.00	10.00	40.00
1	SW2	2	1.67	1.00	10.00	33.40
1	SW2	1	3.75	1.00	10.00	37.50
1	SW2	1	14.00	1.00	10.00	140.00
1	SW2	1	6.33	0.67	10.00	42.41
<b>Sub-total:</b>						<b>459.91</b>

**Member Id : SW3**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW3	2	10.00	1.00	10.00	200.00
1	SW3	1	3.00	1.00	10.00	30.00
1	SW3	1	6.33	1.00	10.00	63.30
<b>Sub-total:</b>						<b>293.30</b>

**Total : 4,420.20**

**Add Wastage = 2.5% : 110.51**

**Total: 4,530.71**

**= 128.29 cum**

Item 02C2 Concrete-3500psi-2nd Floor Roof

**Member Id : SLB**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	S01	1	7.50	30.33	0.83	188.80
1	S02	1	19.50	30.33	0.67	396.26
1	S03	1	18.68	30.33	0.67	379.60
1	S04	1	16.50	13.50	0.50	111.38
1	S05	1	29.33	12.00	0.58	204.14
1	S06	1	22.17	13.50	0.58	173.59
1	S07	1	18.67	15.17	0.50	141.61
1	S08	1	10.50	5.25	0.50	27.56
1	S09	1	6.17	12.00	0.83	61.45
1	S10	1	6.17	13.50	0.83	69.13





### Estimate for Superstructure

Item 02C2 Concrete-3500psi-2nd Floor Roof

Member Id : SLB

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	S11	1	6.17	15.17	0.83	77.69
1	S12	1	16.33	7.67	0.67	83.92
1	S13	1	13.17	7.67	0.67	67.68
1	S14	1	10.33	5.00	0.50	25.83
1	S15	1	32.08	5.25	0.91	153.26
1	S16	1	13.33	5.25	0.91	63.68
1	S17	1	2.50	2.67	0.58	3.87

Sub-total: 2,229.46

**Total : 2,229.46**

**Add Wastage = 2.5% : 55.74**

**Total: 2,285.19**

**= 64.709 cum**

Item 02D1 Concrete-4500psi-3rd Floor

Member Id : B

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	B01	1	51.65	1.17	1.25	75.54
1	B02	1	29.91	1.17	1.00	34.99
1	B03A	1	46.50	1.17	1.00	54.41
1	B04	1	78.50	1.17	1.00	91.85
1	B06A	1	34.50	1.17	1.25	50.46
1	B07	1	34.00	1.17	0.83	33.02
1	B08	1	34.00	1.17	1.25	49.73
1	B10	1	11.67	1.17	1.00	13.65
1	B11	1	17.50	1.17	1.00	20.48
1	B12	1	16.00	1.17	1.00	18.72
1	B13	1	16.00	1.17	1.00	18.72
1	B14	1	17.50	1.17	1.00	20.48
1	B15	1	19.00	1.17	1.00	22.23
1	B16	1	19.25	1.17	1.00	22.52
1	B17	1	52.67	1.17	1.00	61.62
1	B18	1	3.50	1.17	0.83	3.40
1	SLB	1	347.00	7.00	0.67	1,627.43

Sub-total: 2,219.23

Member Id : COL

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	C1	2	4.58	1.50	10.00	137.40
1	C1A	1	4.58	1.50	10.00	68.70
1	C1B	1	5.41	1.50	10.00	81.15
1	C1C	1	5.08	1.50	10.00	76.20
1	C2	1	5.00	1.50	10.00	75.00
1	C2A	1	5.83	1.50	10.00	87.45
1	C2B	1	5.50	1.50	10.00	82.50
1	C3	2	7.00	1.50	10.00	210.00



**Estimate for Superstructure**

Item 02D1 Concrete-4500psi-3rd Floor

**Member Id : COL**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	C4	1	4.17	1.50	10.00	62.55
1	C5	3	3.50	1.50	10.00	157.50
1	C5A	1	3.50	1.50	10.00	52.50
Sub-total:						1,090.95

**Member Id : STA**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	S1	2	5.50	10.83	0.50	59.57
1	S1	1	10.00	10.50	0.50	52.50
1	S1	20	5.00	0.83	0.25	20.75
1	S2	1	5.50	11.50	0.50	31.63
1	S2	1	7.00	11.50	0.50	40.25
1	S2	1	10.00	10.00	0.50	50.00
1	S2	20	5.33	0.83	0.25	22.12
Sub-total:						276.81

**Member Id : SW1**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW1	1	8.00	1.00	10.00	80.00
Sub-total:						80.00

**Member Id : SW2**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW2	2	8.33	1.00	10.00	166.60
1	SW2	1	14.00	1.00	10.00	140.00
1	SW2	2	1.67	1.00	10.00	33.40
1	SW2	1	4.00	1.00	10.00	40.00
1	SW2	1	6.33	0.67	10.00	42.41
1	SW2	1	3.75	1.00	10.00	37.50
Sub-total:						459.91

**Member Id : SW3**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW3	2	10.00	1.00	10.00	200.00
1	SW3	1	3.00	1.00	10.00	30.00
1	SW3	1	6.33	1.00	10.00	63.30
Sub-total:						293.30

**Total : 4,420.20**

**Add Wastage = 2.5% : 110.51**

**Total: 4,530.71**

**= 128.29 cum**

Item 02D2 Concrete-3500psi-3rd Floor Roof

**Member Id : SLB**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	S01	1	7.50	30.33	0.83	188.80
1	S02	1	19.50	30.33	0.67	396.26
1	S03	1	18.68	30.33	0.67	379.60



**Estimate for Superstructure**

Item 02D2 Concrete-3500psi-3rd Floor Roof

**Member Id : SLB**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	S04	1	16.50	13.50	0.50	111.38
1	S05	1	29.33	12.00	0.58	204.14
1	S06	1	22.17	13.50	0.58	173.59
1	S07	1	18.67	15.17	0.50	141.61
1	S08	1	10.50	5.25	0.50	27.56
1	S09	1	6.17	12.00	0.83	61.45
1	S10	1	6.17	13.50	0.83	69.13
1	S11	1	6.17	15.17	0.83	77.69
1	S12	1	16.33	7.67	0.67	83.92
1	S13	1	13.17	7.67	0.67	67.68
1	S14	1	10.33	5.00	0.50	25.83
1	S15	1	32.08	5.25	0.91	153.26
1	S16	1	13.33	5.25	0.91	63.68
1	S17	1	2.50	2.67	0.58	3.87

Sub-total: 2,229.46

**Total : 2,229.46**

**Add Wastage = 2.5% : 55.74**

**Total: 2,285.19**

**= 64.709 cum**

Item 02E1 Concrete-4500psi-4th Floor

**Member Id : B**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	B01	1	51.65	1.17	1.25	75.54
1	B02	1	29.91	1.17	1.00	34.99
1	B03A	1	46.50	1.17	1.00	54.41
1	B04	1	78.50	1.17	1.00	91.85
1	B06A	1	34.50	1.17	1.25	50.46
1	B07	1	34.00	1.17	0.83	33.02
1	B08	1	34.00	1.17	1.25	49.73
1	B10	1	11.67	1.17	1.00	13.65
1	B11	1	17.50	1.17	1.00	20.48
1	B12	1	16.00	1.17	1.00	18.72
1	B13	1	16.00	1.17	1.00	18.72
1	B14	1	17.50	1.17	1.00	20.48
1	B15	1	19.00	1.17	1.00	22.23
1	B16	1	19.25	1.17	1.00	22.52
1	B17	1	52.67	1.17	1.00	61.62
1	B18	1	3.50	1.17	0.83	3.40
1	SLB	1	347.00	7.00	0.67	1,627.43

Sub-total: 2,219.23

**Member Id : COL**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	C1	2	4.58	1.50	10.00	137.40



**Estimate for Superstructure**

Item 02E1 Concrete-4500psi-4th Floor

**Member Id : COL**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	C1A	1	4.58	1.50	10.00	68.70
1	C1B	1	5.41	1.50	10.00	81.15
1	C1C	1	5.08	1.50	10.00	76.20
1	C2	1	5.00	1.50	10.00	75.00
1	C2A	1	5.83	1.50	10.00	87.45
1	C2B	1	5.50	1.50	10.00	82.50
1	C3	2	7.00	1.50	10.00	210.00
1	C4	1	4.17	1.50	10.00	62.55
1	C5	3	3.50	1.50	10.00	157.50
1	C5A	1	3.50	1.50	10.00	52.50

Sub-total: 1,090.95

**Member Id : STA**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	S1	2	5.50	10.83	0.50	59.57
1	S1	20	5.00	0.83	0.25	20.75
1	S1	1	10.00	10.50	0.50	52.50
1	S2	1	5.50	11.50	0.50	31.63
1	S2	1	10.00	10.00	0.50	50.00
1	S2	1	7.00	11.50	0.50	40.25
1	S2	20	5.33	0.83	0.25	22.12

Sub-total: 276.81

**Member Id : SW1**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW1	1	8.00	1.00	10.00	80.00

Sub-total: 80.00

**Member Id : SW2**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW2	2	8.33	1.00	10.00	166.60
1	SW2	1	3.75	1.00	10.00	37.50
1	SW2	1	14.00	1.00	10.00	140.00
1	SW2	2	1.67	1.00	10.00	33.40
1	SW2	1	6.33	0.67	10.00	42.41
1	SW2	1	4.00	1.00	10.00	40.00

Sub-total: 459.91

**Member Id : SW3**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW3	2	10.00	1.00	10.00	200.00
1	SW3	1	6.33	1.00	10.00	63.30
1	SW3	1	3.00	1.00	10.00	30.00

Sub-total: 293.30

**Total : 4,420.20**

**Add Wastage = 2.5% : 110.51**

**Total: 4,530.71**



### Estimate for Superstructure

Item 02E1 Concrete-4500psi-4th Floor

= 128.29 cum

Item 02E2 Concrete-3500psi-4th Floor Roof

Member Id : SLB

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	S01	1	7.50	30.33	0.83	188.80
1	S02	1	19.50	30.33	0.67	396.26
1	S03	1	18.68	30.33	0.67	379.60
1	S04	1	16.50	13.50	0.50	111.38
1	S05	1	29.33	12.00	0.58	204.14
1	S06	1	22.17	13.50	0.58	173.59
1	S07	1	18.67	15.17	0.50	141.61
1	S08	1	10.50	5.25	0.50	27.56
1	S09	1	6.17	12.00	0.83	61.45
1	S10	1	6.17	13.50	0.83	69.13
1	S11	1	6.17	15.17	0.83	77.69
1	S12	1	16.33	7.67	0.67	83.92
1	S13	1	13.17	7.67	0.67	67.68
1	S14	1	10.33	5.00	0.50	25.83
1	S15	1	32.08	5.25	0.91	153.26
1	S16	1	13.33	5.25	0.91	63.68
1	S17	1	2.50	2.67	0.58	3.87
Sub-total:						2,229.46

**Total : 2,229.46**

**Add Wastage = 2.5% : 55.74**

**Total: 2,285.19**

**= 64.709 cum**

Item 02F1 Concrete-4500psi-5th Floor

Member Id : B

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	B01	1	51.65	1.17	1.25	75.54
1	B02	1	29.91	1.17	1.00	34.99
1	B03A	1	46.50	1.17	1.00	54.41
1	B04	1	78.50	1.17	1.00	91.85
1	B06A	1	34.50	1.17	1.25	50.46
1	B07	1	34.00	1.17	0.83	33.02
1	B08	1	34.00	1.17	1.25	49.73
1	B10	1	11.67	1.17	1.00	13.65
1	B11	1	17.50	1.17	1.00	20.48
1	B12	1	16.00	1.17	1.00	18.72
1	B13	1	16.00	1.17	1.00	18.72
1	B14	1	17.50	1.17	1.00	20.48
1	B15	1	19.00	1.17	1.00	22.23
1	B16	1	19.25	1.17	1.00	22.52
1	B17	1	52.67	1.17	1.00	61.62
1	B18	1	3.50	1.17	0.83	3.40



## Estimate for Superstructure

Item 02F1 Concrete-4500psi-5th Floor

### Member Id : B

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SLB	1	347.00	7.00	0.67	1,627.43
Sub-total:						2,219.23

### Member Id : COL

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	C1	2	4.58	1.50	10.00	137.40
1	C1A	1	4.58	1.50	10.00	68.70
1	C1B	1	5.41	1.50	10.00	81.15
1	C1C	1	5.08	1.50	10.00	76.20
1	C2	1	5.00	1.50	10.00	75.00
1	C2A	1	5.83	1.50	10.00	87.45
1	C2B	1	5.50	1.50	10.00	82.50
1	C3	2	7.00	1.50	10.00	210.00
1	C4	1	4.17	1.50	10.00	62.55
1	C5	3	3.50	1.50	10.00	157.50
1	C5A	1	3.50	1.50	10.00	52.50
Sub-total:						1,090.95

### Member Id : STA

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	S1	2	5.50	10.83	0.50	59.57
1	S1	1	10.00	10.50	0.50	52.50
1	S1	20	5.00	0.83	0.25	20.75
1	S2	1	5.50	11.50	0.50	31.63
1	S2	20	5.33	0.83	0.25	22.12
1	S2	1	10.00	10.00	0.50	50.00
1	S2	1	7.00	11.50	0.50	40.25
Sub-total:						276.81

### Member Id : SW1

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW1	1	8.00	1.00	10.00	80.00
Sub-total:						80.00

### Member Id : SW2

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW2	2	8.33	1.00	10.00	166.60
1	SW2	1	14.00	1.00	10.00	140.00
1	SW2	2	1.67	1.00	10.00	33.40
1	SW2	1	6.33	0.67	10.00	42.41
1	SW2	1	4.00	1.00	10.00	40.00
1	SW2	1	3.75	1.00	10.00	37.50
Sub-total:						459.91

### Member Id : SW3

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW3	2	10.00	1.00	10.00	200.00
1	SW3	1	3.00	1.00	10.00	30.00
1	SW3	1	6.33	1.00	10.00	63.30



**Estimate for Superstructure**

Item 02F1 Concrete-4500psi-5th Floor

Member Id : SW3

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
						Sub-total: 293.30

**Total : 4,420.20**

**Add Wastage = 2.5% : 110.51**

**Total: 4,530.71**

**= 128.29 cum**

Item 02F2 Concrete-3500psi-5th Floor Roof

Member Id : SLB

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	S01	1	7.50	30.33	0.83	188.80
1	S02	1	19.50	30.33	0.67	396.26
1	S03	1	18.68	30.33	0.67	379.60
1	S04	1	16.50	13.50	0.50	111.38
1	S05	1	29.33	12.00	0.58	204.14
1	S06	1	22.17	13.50	0.58	173.59
1	S07	1	18.67	15.17	0.50	141.61
1	S08	1	10.50	5.25	0.50	27.56
1	S09	1	6.17	12.00	0.83	61.45
1	S10	1	6.17	13.50	0.83	69.13
1	S11	1	6.17	15.17	0.83	77.69
1	S12	1	16.33	7.67	0.67	83.92
1	S13	1	13.17	7.67	0.67	67.68
1	S14	1	10.33	5.00	0.50	25.83
1	S15	1	32.08	5.25	0.91	153.26
1	S16	1	13.33	5.25	0.91	63.68
1	S17	1	2.50	2.67	0.58	3.87
						Sub-total: 2,229.46

**Total : 2,229.46**

**Add Wastage = 2.5% : 55.74**

**Total: 2,285.19**

**= 64.709 cum**

Item 02G1 Concrete-4500psi-6th Floor

Member Id : B

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	B01	1	51.65	1.17	1.25	75.54
1	B02	1	29.91	1.17	1.00	34.99
1	B03A	1	46.50	1.17	1.00	54.41
1	B04	1	78.50	1.17	1.00	91.85
1	B06A	1	34.50	1.17	1.25	50.46
1	B07	1	34.00	1.17	0.83	33.02
1	B08	1	34.00	1.17	1.25	49.73
1	B10	1	11.67	1.17	1.00	13.65
1	B11	1	17.50	1.17	1.00	20.48





## Estimate for Superstructure

Item 02G1 Concrete-4500psi-6th Floor

### Member Id : B

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	B12	1	16.00	1.17	1.00	18.72
1	B13	1	16.00	1.17	1.00	18.72
1	B14	1	17.50	1.17	1.00	20.48
1	B15	1	19.00	1.17	1.00	22.23
1	B16	1	19.25	1.17	1.00	22.52
1	B17	1	52.67	1.17	1.00	61.62
1	B18	1	3.50	1.17	0.83	3.40
1	SLB	1	347.00	7.00	0.67	1,627.43

Sub-total: 2,219.23

### Member Id : COL

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	C1	2	4.58	1.50	10.00	137.40
1	C1A	1	4.58	1.50	10.00	68.70
1	C1B	1	5.41	1.50	10.00	81.15
1	C1C	1	5.08	1.50	10.00	76.20
1	C2	1	5.00	1.50	10.00	75.00
1	C2A	1	5.83	1.50	10.00	87.45
1	C2B	1	5.50	1.50	10.00	82.50
1	C3	2	7.00	1.50	10.00	210.00
1	C4	1	4.17	1.50	10.00	62.55
1	C5	3	3.50	1.50	10.00	157.50
1	C5A	1	3.50	1.50	10.00	52.50

Sub-total: 1,090.95

### Member Id : STA

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	S1	2	5.50	10.83	0.50	59.57
1	S1	1	10.00	10.50	0.50	52.50
1	S1	20	5.00	0.83	0.25	20.75
1	S2	1	5.50	11.50	0.50	31.63
1	S2	1	7.00	11.50	0.50	40.25
1	S2	1	10.00	10.00	0.50	50.00
1	S2	20	5.33	0.83	0.25	22.12

Sub-total: 276.81

### Member Id : SW1

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW1	1	8.00	1.00	10.00	80.00

Sub-total: 80.00

### Member Id : SW2

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW2	2	8.33	1.00	10.00	166.60
1	SW2	1	14.00	1.00	10.00	140.00
1	SW2	2	1.67	1.00	10.00	33.40
1	SW2	1	4.00	1.00	10.00	40.00
1	SW2	1	6.33	0.67	10.00	42.41



### Estimate for Superstructure

Item 02G1 Concrete-4500psi-6th Floor

#### Member Id : SW2

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW2	1	3.75	1.00	10.00	37.50
Sub-total:						459.91

#### Member Id : SW3

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW3	2	10.00	1.00	10.00	200.00
1	SW3	1	3.00	1.00	10.00	30.00
1	SW3	1	6.33	1.00	10.00	63.30
Sub-total:						293.30

**Total :** 4,420.20

**Add Wastage = 2.5% :** 110.51

**Total:** 4,530.71

**= 128.29 cum**

Item 02G2 Concrete-3500psi-6th Floor Roof

#### Member Id : SLB

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	S01	1	7.50	30.33	0.83	188.80
1	S02	1	19.50	30.33	0.67	396.26
1	S03	1	18.68	30.33	0.67	379.60
1	S04	1	16.50	13.50	0.50	111.38
1	S05	1	29.33	12.00	0.58	204.14
1	S06	1	22.17	13.50	0.58	173.59
1	S07	1	18.67	15.17	0.50	141.61
1	S08	1	10.50	5.25	0.50	27.56
1	S09	1	6.17	12.00	0.83	61.45
1	S10	1	6.17	13.50	0.83	69.13
1	S11	1	6.17	15.17	0.83	77.69
1	S12	1	16.33	7.67	0.67	83.92
1	S13	1	13.17	7.67	0.67	67.68
1	S14	1	10.33	5.00	0.50	25.83
1	S15	1	32.08	5.25	0.91	153.26
1	S16	1	13.33	5.25	0.91	63.68
1	S17	1	2.50	2.67	0.58	3.87
Sub-total:						2,229.46

**Total :** 2,229.46

**Add Wastage = 2.5% :** 55.74

**Total:** 2,285.19

**= 64.709 cum**

Item 02H1 Concrete-4500psi-7th Floor

#### Member Id : B

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	B01	1	51.65	1.17	1.25	75.54
1	B02	1	29.91	1.17	1.00	34.99



## Estimate for Superstructure

Item 02H1 Concrete-4500psi-7th Floor

### Member Id : B

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	B03A	1	46.50	1.17	1.00	54.41
1	B04	1	78.50	1.17	1.00	91.85
1	B06A	1	34.50	1.17	1.25	50.46
1	B07	1	34.00	1.17	0.83	33.02
1	B08	1	34.00	1.17	1.25	49.73
1	B10	1	11.67	1.17	1.00	13.65
1	B11	1	17.50	1.17	1.00	20.48
1	B12	1	16.00	1.17	1.00	18.72
1	B13	1	16.00	1.17	1.00	18.72
1	B14	1	17.50	1.17	1.00	20.48
1	B15	1	19.00	1.17	1.00	22.23
1	B16	1	19.25	1.17	1.00	22.52
1	B17	1	52.67	1.17	1.00	61.62
1	B18	1	3.50	1.17	0.83	3.40
1	SLB	1	347.00	7.00	0.67	1,627.43
Sub-total:						2,219.23

### Member Id : COL

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	C1	2	4.58	1.50	10.00	137.40
1	C1A	1	4.58	1.50	10.00	68.70
1	C1B	1	5.41	1.50	10.00	81.15
1	C1C	1	5.08	1.50	10.00	76.20
1	C2	1	5.00	1.50	10.00	75.00
1	C2A	1	5.83	1.50	10.00	87.45
1	C2B	1	5.50	1.50	10.00	82.50
1	C3	2	7.00	1.50	10.00	210.00
1	C4	1	4.17	1.50	10.00	62.55
1	C5	3	3.50	1.50	10.00	157.50
1	C5A	1	3.50	1.50	10.00	52.50
Sub-total:						1,090.95

### Member Id : STA

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	S1	2	5.50	10.83	0.50	59.57
1	S1	1	10.00	10.50	0.50	52.50
1	S1	20	5.00	0.83	0.25	20.75
1	S2	1	5.50	11.50	0.50	31.63
1	S2	20	5.33	0.83	0.25	22.12
1	S2	1	10.00	10.00	0.50	50.00
1	S2	1	7.00	11.50	0.50	40.25
Sub-total:						276.81

### Member Id : SW1

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW1	1	8.00	1.00	10.00	80.00
Sub-total:						80.00



**Estimate for Superstructure**

Item 02H1 Concrete-4500psi-7th Floor

Member Id : SW2

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW2	2	8.33	1.00	10.00	166.60
1	SW2	1	4.00	1.00	10.00	40.00
1	SW2	1	6.33	0.67	10.00	42.41
1	SW2	2	1.67	1.00	10.00	33.40
1	SW2	1	14.00	1.00	10.00	140.00
1	SW2	1	3.75	1.00	10.00	37.50
Sub-total:						459.91

Member Id : SW3

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW3	2	10.00	1.00	10.00	200.00
1	SW3	1	6.33	1.00	10.00	63.30
1	SW3	1	3.00	1.00	10.00	30.00
Sub-total:						293.30

**Total : 4,420.20**

**Add Wastage = 2.5% : 110.51**

**Total: 4,530.71**

**= 128.29 cum**

Item 02H2 Concrete-3500psi-7th Floor Roof

Member Id : SLB

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	S01	1	7.50	30.33	0.83	188.80
1	S02	1	19.50	30.33	0.67	396.26
1	S03	1	18.68	30.33	0.67	379.60
1	S04	1	16.50	13.50	0.50	111.38
1	S05	1	29.33	12.00	0.58	204.14
1	S06	1	22.17	13.50	0.58	173.59
1	S07	1	18.67	15.17	0.50	141.61
1	S08	1	10.50	5.25	0.50	27.56
1	S09	1	6.17	12.00	0.83	61.45
1	S10	1	6.17	13.50	0.83	69.13
1	S11	1	6.17	15.17	0.83	77.69
1	S12	1	16.33	7.67	0.67	83.92
1	S13	1	13.17	7.67	0.67	67.68
1	S14	1	10.33	5.00	0.50	25.83
1	S15	1	32.08	5.25	0.91	153.26
1	S16	1	13.33	5.25	0.91	63.68
1	S17	1	2.50	2.67	0.58	3.87
Sub-total:						2,229.46

**Total : 2,229.46**

**Add Wastage = 2.5% : 55.74**

**Total: 2,285.19**

**= 64.709 cum**



## Estimate for Superstructure

Item 02J1 Concrete-4500psi-8th Floor

### Member Id : B

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	B01	1	51.65	1.17	1.25	75.54
1	B02	1	29.91	1.17	1.00	34.99
1	B03A	1	46.50	1.17	1.00	54.41
1	B04	1	78.50	1.17	1.00	91.85
1	B06A	1	34.50	1.17	1.25	50.46
1	B07	1	34.00	1.17	0.83	33.02
1	B08	1	34.00	1.17	1.25	49.73
1	B10	1	11.67	1.17	1.00	13.65
1	B11	1	17.50	1.17	1.00	20.48
1	B12	1	16.00	1.17	1.00	18.72
1	B13	1	16.00	1.17	1.00	18.72
1	B14	1	17.50	1.17	1.00	20.48
1	B15	1	19.00	1.17	1.00	22.23
1	B16	1	19.25	1.17	1.00	22.52
1	B17	1	52.67	1.17	1.00	61.62
1	B18	1	3.50	1.17	0.83	3.40
1	SLB	1	347.00	7.00	0.67	1,627.43
Sub-total:						2,219.23

### Member Id : COL

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	C1	2	4.58	1.50	10.00	137.40
1	C1A	1	4.58	1.50	10.00	68.70
1	C1B	1	5.41	1.50	10.00	81.15
1	C1C	1	5.08	1.50	10.00	76.20
1	C2	1	5.00	1.50	10.00	75.00
1	C2A	1	5.83	1.50	10.00	87.45
1	C2B	1	5.50	1.50	10.00	82.50
1	C3	2	7.00	1.50	10.00	210.00
1	C4	1	4.17	1.50	10.00	62.55
1	C5	3	3.50	1.50	10.00	157.50
1	C5A	1	3.50	1.50	10.00	52.50
Sub-total:						1,090.95

### Member Id : STA

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	S1	2	5.50	10.83	0.50	59.57
1	S1	20	5.00	0.83	0.25	20.75
1	S1	1	10.00	10.50	0.50	52.50
1	S2	1	5.50	11.50	0.50	31.63
1	S2	1	10.00	10.00	0.50	50.00
1	S2	20	5.33	0.83	0.25	22.12
1	S2	1	7.00	11.50	0.50	40.25
Sub-total:						276.81

### Member Id : SW1

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
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**Estimate for Superstructure**

Item 02J1 Concrete-4500psi-8th Floor

**Member Id : SW1**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW1	1	8.00	1.00	10.00	80.00
Sub-total:						80.00

**Member Id : SW2**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW2	2	8.33	1.00	10.00	166.60
1	SW2	1	3.75	1.00	10.00	37.50
1	SW2	2	1.67	1.00	10.00	33.40
1	SW2	1	6.33	0.67	10.00	42.41
1	SW2	1	4.00	1.00	10.00	40.00
1	SW2	1	14.00	1.00	10.00	140.00
Sub-total:						459.91

**Member Id : SW3**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW3	2	10.00	1.00	10.00	200.00
1	SW3	1	3.00	1.00	10.00	30.00
1	SW3	1	6.33	1.00	10.00	63.30
Sub-total:						293.30

**Total : 4,420.20**

**Add Wastage = 2.5% : 110.51**

**Total: 4,530.71**

**= 128.29 cum**

Item 02J2 Concrete-3500psi-8th Floor Roof

**Member Id : SLB**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	S01	1	7.50	30.33	0.83	188.80
1	S02	1	19.50	30.33	0.67	396.26
1	S03	1	18.68	30.33	0.67	379.60
1	S04	1	16.50	13.50	0.50	111.38
1	S05	1	29.33	12.00	0.58	204.14
1	S06	1	22.17	13.50	0.58	173.59
1	S07	1	18.67	15.17	0.50	141.61
1	S08	1	10.50	5.25	0.50	27.56
1	S09	1	6.17	12.00	0.83	61.45
1	S10	1	6.17	13.50	0.83	69.13
1	S11	1	6.17	15.17	0.83	77.69
1	S12	1	16.33	7.67	0.67	83.92
1	S13	1	13.17	7.67	0.67	67.68
1	S14	1	10.33	5.00	0.50	25.83
1	S15	1	32.08	5.25	0.91	153.26
1	S16	1	13.33	5.25	0.91	63.68
1	S17	1	2.50	2.67	0.58	3.87
Sub-total:						2,229.46

**Total : 2,229.46**



### Estimate for Superstructure

Item 02J2 Concrete-3500psi-8th Floor Roof

Add Wastage = 2.5% : 55.74 cum

**Total: 2,285.19**

**= 64.709**

Item 02K1 Concrete-4500psi-9th Floor

#### Member Id : B

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	B01	1	51.65	1.17	1.25	75.54
1	B02	1	29.91	1.17	1.00	34.99
1	B03A	1	46.50	1.17	1.00	54.41
1	B04	1	78.50	1.17	1.00	91.85
1	B06A	1	34.50	1.17	1.25	50.46
1	B07	1	34.00	1.17	0.83	33.02
1	B08	1	34.00	1.17	1.25	49.73
1	B10	1	11.67	1.17	1.00	13.65
1	B11	1	17.50	1.17	1.00	20.48
1	B12	1	16.00	1.17	1.00	18.72
1	B13	1	16.00	1.17	1.00	18.72
1	B14	1	17.50	1.17	1.00	20.48
1	B15	1	19.00	1.17	1.00	22.23
1	B16	1	19.25	1.17	1.00	22.52
1	B17	1	52.67	1.17	1.00	61.62
1	B18	1	3.50	1.17	0.83	3.40
1	SLB	1	347.00	7.00	0.67	1,627.43
<b>Sub-total:</b>						<b>2,219.23</b>

#### Member Id : COL

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	C1	2	4.58	1.50	10.00	137.40
1	C1A	1	4.58	1.50	10.00	68.70
1	C1B	1	5.41	1.50	10.00	81.15
1	C1C	1	5.08	1.50	10.00	76.20
1	C2	1	5.00	1.50	10.00	75.00
1	C2A	1	5.83	1.50	10.00	87.45
1	C2B	1	5.50	1.50	10.00	82.50
1	C3	2	7.00	1.50	10.00	210.00
1	C4	1	4.17	1.50	10.00	62.55
1	C5	3	3.50	1.50	10.00	157.50
1	C5A	1	3.50	1.50	10.00	52.50
<b>Sub-total:</b>						<b>1,090.95</b>

#### Member Id : STA

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	S1	2	5.50	10.83	0.50	59.57
1	S1	1	10.00	10.50	0.50	52.50
1	S1	20	5.00	0.83	0.25	20.75
1	S2	1	5.50	11.50	0.50	31.63
1	S2	1	7.00	11.50	0.50	40.25





### Estimate for Superstructure

Item 02K1 Concrete-4500psi-9th Floor

#### Member Id : STA

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	S2	1	10.00	10.00	0.50	50.00
1	S2	20	5.33	0.83	0.25	22.12
Sub-total:						276.81

#### Member Id : SW1

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW1	1	8.00	1.00	10.00	80.00
Sub-total:						80.00

#### Member Id : SW2

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW2	2	8.33	1.00	10.00	166.60
1	SW2	1	6.33	0.67	10.00	42.41
1	SW2	1	14.00	1.00	10.00	140.00
1	SW2	1	3.75	1.00	10.00	37.50
1	SW2	1	4.00	1.00	10.00	40.00
1	SW2	2	1.67	1.00	10.00	33.40
Sub-total:						459.91

#### Member Id : SW3

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW3	2	10.00	1.00	10.00	200.00
1	SW3	1	3.00	1.00	10.00	30.00
1	SW3	1	6.33	1.00	10.00	63.30
Sub-total:						293.30

**Total : 4,420.20**

**Add Wastage = 2.5% : 110.51**

**Total: 4,530.71**

**= 128.29 cum**

Item 02K2 Concrete-3500psi-9th Floor Roof

#### Member Id : SLB

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	S01	1	7.50	30.33	0.83	188.80
1	S02	1	19.50	30.33	0.67	396.26
1	S03	1	18.68	30.33	0.67	379.60
1	S04	1	16.50	13.50	0.50	111.38
1	S05	1	29.33	12.00	0.58	204.14
1	S06	1	22.17	13.50	0.58	173.59
1	S07	1	18.67	15.17	0.50	141.61
1	S08	1	10.50	5.25	0.50	27.56
1	S09	1	6.17	12.00	0.83	61.45
1	S10	1	6.17	13.50	0.83	69.13
1	S11	1	6.17	15.17	0.83	77.69
1	S12	1	16.33	7.67	0.67	83.92
1	S13	1	13.17	7.67	0.67	67.68
1	S14	1	10.33	5.00	0.50	25.83





**Estimate for Superstructure**

Item 02L1 Concrete-4500psi-10th Floor

**Member Id : STA**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	S1	2	5.50	10.83	0.50	59.57
1	S1	1	10.00	10.50	0.50	52.50
1	S1	20	5.00	0.83	0.25	20.75
1	S2	1	5.50	11.50	0.50	31.63
1	S2	20	5.33	0.83	0.25	22.12
1	S2	1	7.00	11.50	0.50	40.25
1	S2	1	10.00	10.00	0.50	50.00

Sub-total: 276.81

**Member Id : SW1**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW1	1	8.00	1.00	10.00	80.00

Sub-total: 80.00

**Member Id : SW2**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW2	2	8.33	1.00	10.00	166.60
1	SW2	1	14.00	1.00	10.00	140.00
1	SW2	1	3.75	1.00	10.00	37.50
1	SW2	2	1.67	1.00	10.00	33.40
1	SW2	1	4.00	1.00	10.00	40.00
1	SW2	1	6.33	0.67	10.00	42.41

Sub-total: 459.91

**Member Id : SW3**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW3	2	10.00	1.00	10.00	200.00
1	SW3	1	3.00	1.00	10.00	30.00
1	SW3	1	6.33	1.00	10.00	63.30

Sub-total: 293.30

**Total : 4,420.20**

**Add Wastage = 2.5% : 110.51**

**Total: 4,530.71**

**= 128.29 cum**

Item 02L2 Concrete-3500psi-10th Floor Roof

**Member Id : SLB**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	S01	1	7.50	30.33	0.83	188.80
1	S02	1	19.50	30.33	0.67	396.26
1	S03	1	18.68	30.33	0.67	379.60
1	S04	1	16.50	13.50	0.50	111.38
1	S05	1	29.33	12.00	0.58	204.14
1	S06	1	22.17	13.50	0.58	173.59
1	S07	1	18.67	15.17	0.50	141.61
1	S08	1	10.50	5.25	0.50	27.56
1	S09	1	6.17	12.00	0.83	61.45



**Estimate for Superstructure**

Item 02L2 Concrete-3500psi-10th Floor Roof

**Member Id : SLB**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	S10	1	6.17	13.50	0.83	69.13
1	S11	1	6.17	15.17	0.83	77.69
1	S12	1	16.33	7.67	0.67	83.92
1	S13	1	13.17	7.67	0.67	67.68
1	S14	1	10.33	5.00	0.50	25.83
1	S15	1	32.08	5.25	0.91	153.26
1	S16	1	13.33	5.25	0.91	63.68
1	S17	1	2.50	2.67	0.58	3.87
Sub-total:						2,229.46

**Total : 2,229.46**

**Add Wastage = 2.5% : 55.74**

**Total: 2,285.19**

**= 64.709 cum**

Item 02M1 Concrete-4500psi-11th Floor

**Member Id : B**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	B01	1	51.65	1.17	1.25	75.54
1	B02	1	29.91	1.17	1.00	34.99
1	B03A	1	46.50	1.17	1.00	54.41
1	B04	1	78.50	1.17	1.00	91.85
1	B06A	1	34.50	1.17	1.25	50.46
1	B07	1	34.00	1.17	0.83	33.02
1	B08	1	34.00	1.17	1.25	49.73
1	B10	1	11.67	1.17	1.00	13.65
1	B11	1	17.50	1.17	1.00	20.48
1	B12	1	16.00	1.17	1.00	18.72
1	B13	1	16.00	1.17	1.00	18.72
1	B14	1	17.50	1.17	1.00	20.48
1	B15	1	19.00	1.17	1.00	22.23
1	B16	1	19.25	1.17	1.00	22.52
1	B17	1	52.67	1.17	1.00	61.62
1	B18	1	3.50	1.17	0.83	3.40
1	SLB	1	347.00	7.00	0.67	1,627.43
Sub-total:						2,219.23

**Member Id : COL**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	C1	2	4.58	1.50	10.00	137.40
1	C1A	1	4.58	1.50	10.00	68.70
1	C1B	1	5.41	1.50	10.00	81.15
1	C1C	1	5.08	1.50	10.00	76.20
1	C2	1	5.00	1.50	10.00	75.00
1	C2A	1	5.83	1.50	10.00	87.45
1	C2B	1	5.50	1.50	10.00	82.50



**Estimate for Superstructure**

Item 02M1 Concrete-4500psi-11th Floor

**Member Id : COL**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	C3	2	7.00	1.50	10.00	210.00
1	C4	1	4.17	1.50	10.00	62.55
1	C5	3	3.50	1.50	10.00	157.50
1	C5A	1	3.50	1.50	10.00	52.50
Sub-total:						1,090.95

**Member Id : STA**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	S1	2	5.50	10.83	0.50	59.57
1	S1	1	10.00	10.50	0.50	52.50
1	S1	20	5.00	0.83	0.25	20.75
1	S2	1	5.50	11.50	0.50	31.63
1	S2	20	5.33	0.83	0.25	22.12
1	S2	1	7.00	11.50	0.50	40.25
1	S2	1	10.00	10.00	0.50	50.00
Sub-total:						276.81

**Member Id : SW1**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW1	1	8.00	1.00	10.00	80.00
Sub-total:						80.00

**Member Id : SW2**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW2	2	8.33	1.00	10.00	166.60
1	SW2	1	14.00	1.00	10.00	140.00
1	SW2	1	3.75	1.00	10.00	37.50
1	SW2	2	1.67	1.00	10.00	33.40
1	SW2	1	4.00	1.00	10.00	40.00
1	SW2	1	6.33	0.67	10.00	42.41
Sub-total:						459.91

**Member Id : SW3**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW3	2	10.00	1.00	10.00	200.00
1	SW3	1	3.00	1.00	10.00	30.00
1	SW3	1	6.33	1.00	10.00	63.30
Sub-total:						293.30

**Total : 4,420.20**

**Add Wastage = 2.5% : 110.51**

**Total: 4,530.71**

**= 128.29 cum**

Item 02M2 Concrete-3500psi-11th Floor Roof

**Member Id : SLB**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	S01	1	7.50	30.33	0.83	188.80
1	S02	1	19.50	30.33	0.67	396.26



### Estimate for Superstructure

Item 02M2 Concrete-3500psi-11th Floor Roof

Member Id : SLB

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	S03	1	18.68	30.33	0.67	379.60
1	S04	1	16.50	13.50	0.50	111.38
1	S05	1	29.33	12.00	0.58	204.14
1	S06	1	22.17	13.50	0.58	173.59
1	S07	1	18.67	15.17	0.50	141.61
1	S08	1	10.50	5.25	0.50	27.56
1	S09	1	6.17	12.00	0.83	61.45
1	S10	1	6.17	13.50	0.83	69.13
1	S11	1	6.17	15.17	0.83	77.69
1	S12	1	16.33	7.67	0.67	83.92
1	S13	1	13.17	7.67	0.67	67.68
1	S14	1	10.33	5.00	0.50	25.83
1	S15	1	32.08	5.25	0.91	153.26
1	S16	1	13.33	5.25	0.91	63.68
1	S17	1	2.50	2.67	0.58	3.87

Sub-total: 2,229.46

**Total : 2,229.46**

**Add Wastage = 2.5% : 55.74**

**Total: 2,285.19**

**= 64.709 cum**

Item 02N1 Concrete-4500psi-12th Floor

Member Id : B

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	B01	1	51.65	1.17	1.25	75.54
1	B02	1	29.91	1.17	1.00	34.99
1	B03A	1	46.50	1.17	1.00	54.41
1	B04	1	78.50	1.17	1.00	91.85
1	B06A	1	34.50	1.17	1.25	50.46
1	B07	1	34.00	1.17	0.83	33.02
1	B08	1	34.00	1.17	1.25	49.73
1	B10	1	11.67	1.17	1.00	13.65
1	B11	1	17.50	1.17	1.00	20.48
1	B12	1	16.00	1.17	1.00	18.72
1	B13	1	16.00	1.17	1.00	18.72
1	B14	1	17.50	1.17	1.00	20.48
1	B15	1	19.00	1.17	1.00	22.23
1	B16	1	19.25	1.17	1.00	22.52
1	B17	1	52.67	1.17	1.00	61.62
1	B18	1	3.50	1.17	0.83	3.40
1	SLB	1	347.00	7.00	0.67	1,627.43

Sub-total: 2,219.23

Member Id : COL

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
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**Estimate for Superstructure**

Item 02N1 Concrete-4500psi-12th Floor

**Member Id : COL**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	C1	2	4.58	1.50	10.00	137.40
1	C1A	1	4.58	1.50	10.00	68.70
1	C1B	1	5.41	1.50	10.00	81.15
1	C1C	1	5.08	1.50	10.00	76.20
1	C2	1	5.00	1.50	10.00	75.00
1	C2A	1	5.83	1.50	10.00	87.45
1	C2B	1	5.50	1.50	10.00	82.50
1	C3	2	7.00	1.50	10.00	210.00
1	C4	1	4.17	1.50	10.00	62.55
1	C5	3	3.50	1.50	10.00	157.50
1	C5A	1	3.50	1.50	10.00	52.50
Sub-total:						1,090.95

**Member Id : STA**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	S1	2	5.50	10.83	0.50	59.57
1	S1	1	10.00	10.50	0.50	52.50
1	S1	20	5.00	0.83	0.25	20.75
1	S2	1	5.50	11.50	0.50	31.63
1	S2	20	5.33	0.83	0.25	22.12
1	S2	1	7.00	11.50	0.50	40.25
1	S2	1	10.00	10.00	0.50	50.00
Sub-total:						276.81

**Member Id : SW1**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW1	1	8.00	1.00	10.00	80.00
Sub-total:						80.00

**Member Id : SW2**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW2	2	8.33	1.00	10.00	166.60
1	SW2	1	14.00	1.00	10.00	140.00
1	SW2	1	3.75	1.00	10.00	37.50
1	SW2	2	1.67	1.00	10.00	33.40
1	SW2	1	4.00	1.00	10.00	40.00
1	SW2	1	6.33	0.67	10.00	42.41
Sub-total:						459.91

**Member Id : SW3**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW3	2	10.00	1.00	10.00	200.00
1	SW3	1	3.00	1.00	10.00	30.00
1	SW3	1	6.33	1.00	10.00	63.30
Sub-total:						293.30

**Total : 4,420.20**  
**Add Wastage = 2.5% : 110.51**





**Estimate for Superstructure**

Item 02N1 Concrete-4500psi-12th Floor

**Total: 4,530.71 cum**  
**= 128.29**

Item 02N2 Concrete-3500psi-12th Floor Roof

**Member Id : SLB**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	S01	1	7.50	30.33	0.83	188.80
1	S02	1	19.50	30.33	0.67	396.26
1	S03	1	18.68	30.33	0.67	379.60
1	S04	1	16.50	13.50	0.50	111.38
1	S05	1	29.33	12.00	0.58	204.14
1	S06	1	22.17	13.50	0.58	173.59
1	S07	1	18.67	15.17	0.50	141.61
1	S08	1	10.50	5.25	0.50	27.56
1	S09	1	6.17	12.00	0.83	61.45
1	S10	1	6.17	13.50	0.83	69.13
1	S11	1	6.17	15.17	0.83	77.69
1	S12	1	16.33	7.67	0.67	83.92
1	S13	1	13.17	7.67	0.67	67.68
1	S14	1	10.33	5.00	0.50	25.83
1	S15	1	32.08	5.25	0.91	153.26
1	S16	1	13.33	5.25	0.91	63.68
1	S17	1	2.50	2.67	0.58	3.87

Sub-total: 2,229.46

**Total : 2,229.46**

**Add Wastage = 2.5% : 55.74**

**Total: 2,285.19**

**= 64.709 cum**

Item 02P1 Concrete-4500psi -13th Floor

**Member Id : B**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	B01	1	51.65	1.17	1.25	75.54
1	B02	1	29.91	1.17	1.00	34.99
1	B03A	1	46.50	1.17	1.00	54.41
1	B04	1	78.50	1.17	1.00	91.85
1	B06A	1	34.50	1.17	1.25	50.46
1	B07	1	34.00	1.17	0.83	33.02
1	B08	1	34.00	1.17	1.25	49.73
1	B10	1	11.67	1.17	1.00	13.65
1	B11	1	17.50	1.17	1.00	20.48
1	B12	1	16.00	1.17	1.00	18.72
1	B13	1	16.00	1.17	1.00	18.72
1	B14	1	17.50	1.17	1.00	20.48
1	B15	1	19.00	1.17	1.00	22.23
1	B16	1	19.25	1.17	1.00	22.52
1	B17	1	52.67	1.17	1.00	61.62

**Estimate for Superstructure**

Item 02P1 Concrete-4500psi -13th Floor

**Member Id : B**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	B18	1	3.50	1.17	0.83	3.40
1	SLB	1	347.00	7.00	0.67	1,627.43
Sub-total:						2,219.23

**Member Id : COL**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	C1	2	4.58	1.50	10.00	137.40
1	C1A	1	4.58	1.50	10.00	68.70
1	C1B	1	5.41	1.50	10.00	81.15
1	C1C	1	5.08	1.50	10.00	76.20
1	C2	1	5.00	1.50	10.00	75.00
1	C2A	1	5.83	1.50	10.00	87.45
1	C2B	1	5.50	1.50	10.00	82.50
1	C3	2	7.00	1.50	10.00	210.00
1	C4	1	4.17	1.50	10.00	62.55
1	C5	3	3.50	1.50	10.00	157.50
1	C5A	1	3.50	1.50	10.00	52.50
Sub-total:						1,090.95

**Member Id : STA**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	S1	2	5.50	10.83	0.50	59.57
1	S1	20	5.00	0.83	0.25	20.75
1	S1	1	10.00	10.50	0.50	52.50
1	S2	1	5.50	11.50	0.50	31.63
1	S2	1	11.50	10.00	0.50	57.50
1	S2	1	7.00	11.50	0.50	40.25
1	S2	20	5.33	0.83	0.25	22.12
Sub-total:						284.31

**Member Id : SW1**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW1	1	8.00	1.00	10.00	80.00
Sub-total:						80.00

**Member Id : SW2**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW2	2	8.33	1.00	10.00	166.60
1	SW2	1	3.75	1.00	10.00	37.50
1	SW2	1	14.00	1.00	10.00	140.00
1	SW2	2	1.67	1.00	10.00	33.40
1	SW2	1	6.33	0.67	10.00	42.41
1	SW2	1	4.00	1.00	10.00	40.00
Sub-total:						459.91

**Member Id : SW3**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW3	2	11.50	1.00	10.00	230.00
1	SW3	1	6.33	1.00	10.00	63.30



### Estimate for Superstructure

Item 02P1 Concrete-4500psi -13th Floor

Member Id : SW3

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW3	1	3.00	1.00	10.00	30.00
Sub-total:						323.30

**Total : 4,457.70**

**Add Wastage = 2.5% : 111.44**

**Total: 4,569.14**

**= 129.38 cum**

Item 02P2 Concrete-3500psi-13th Floor Roof

Member Id : SLB

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	S02	1	19.50	30.33	0.67	396.26
1	S03	1	18.68	30.33	0.67	379.60
1	S04	1	16.50	13.50	0.50	111.38
1	S05	1	29.33	12.00	0.58	204.14
1	S06	1	22.17	13.50	0.58	173.59
1	S07	1	18.67	15.17	0.50	141.61
1	S08	1	10.50	5.25	0.50	27.56
1	S09	1	6.17	12.00	0.83	61.45
1	S10	1	6.17	13.50	0.83	69.13
1	S11	1	6.17	15.17	0.83	77.69
1	S12	1	16.33	7.67	0.67	83.92
1	S13	1	13.17	7.67	0.67	67.68
1	S14	1	10.33	5.00	0.50	25.83
1	S15	1	32.08	5.25	0.91	153.26
1	S16	1	13.33	5.25	0.91	63.68
1	S17	1	2.50	2.67	0.58	3.87
Sub-total:						2,040.65

**Total : 2,040.65**

**Add Wastage = 2.5% : 51.02**

**Total: 2,091.67**

**= 59.229 cum**

Item 02Q1 Concrete-4500psi -Top Floor

Member Id : B

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	B03A	1	46.50	1.17	1.00	54.41
1	B05	1	34.00	1.17	1.25	49.73
1	B06	1	34.50	1.17	1.25	50.46
1	B07	1	34.00	1.17	0.83	33.02
1	B10	1	11.67	1.17	1.00	13.65
1	B11	1	17.50	1.17	1.00	20.48
1	B12	1	16.00	1.17	1.00	18.72
1	B13	1	16.00	1.17	1.00	18.72
1	B14	1	17.50	1.17	1.00	20.48

**Estimate for Superstructure**

Item 02Q1 Concrete-4500psi -Top Floor

**Member Id : B**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	B15	1	19.00	1.17	1.00	22.23
1	B16	1	19.25	1.17	1.00	22.52
Sub-total:						324.40

**Member Id : COL**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	C1A	1	4.58	1.50	10.00	68.70
1	C1B	1	5.41	1.50	10.00	81.15
1	C1C	1	5.08	1.50	10.00	76.20
1	C2	1	5.00	1.50	10.00	75.00
1	C2A	1	5.83	1.50	10.00	87.45
1	C2B	1	5.50	1.50	10.00	82.50
1	C3	2	7.00	1.50	10.00	210.00
Sub-total:						681.00

**Member Id : STA**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	S1	2	5.50	10.83	0.50	59.57
1	S1	1	10.00	10.50	0.50	52.50
1	S1	20	5.00	0.83	0.25	20.75
1	S2	1	5.50	11.50	0.50	31.63
1	S2	20	5.33	0.83	0.25	22.12
1	S2	1	7.00	11.50	0.50	40.25
1	S2	1	10.00	10.00	0.50	50.00
Sub-total:						276.81

**Member Id : SW1**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW1	1	8.00	1.00	10.00	80.00
Sub-total:						80.00

**Member Id : SW2**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW2	2	8.33	1.00	10.00	166.60
1	SW2	1	14.00	1.00	10.00	140.00
1	SW2	1	3.75	1.00	10.00	37.50
1	SW2	2	1.67	1.00	10.00	33.40
1	SW2	1	4.00	1.00	10.00	40.00
1	SW2	1	6.33	0.67	10.00	42.41
Sub-total:						459.91

**Member Id : SW3**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	SW3	2	10.00	1.00	10.00	200.00
1	SW3	1	3.00	1.00	10.00	30.00
1	SW3	1	6.33	1.00	10.00	63.30
Sub-total:						293.30

**Total : 2,115.42****Add Wastage = 2.5% : 52.89**



**Estimate for Superstructure**

Item 02Q1 Concrete-4500psi -Top Floor

**Total: 2,168.31 cum**  
**= 61.399**

Item 02Q2 Concrete-3500psi-Top Floor Roof

**Member Id : SLB**

No. of Flr	Type Id	Total Type	Length (ft)	Breadth (ft)	Height (ft)	Volume (cft)
1	S002	1	52.00	30.33	0.67	1,056.70
1	S003	1	18.68	30.33	0.67	379.60
1	S006	1	22.17	13.50	0.58	173.59
1	S010	1	6.17	13.50	0.58	48.31
Sub-total:						1,658.20

**Total : 1,658.20**

**Add Wastage = 2.5% : 41.45**

**Total: 1,699.65**  
**= 48.128 cum**

**Grand Total: 96,670.54**

**SUPERSTRUCTURE**

**RE-BAR**



**Estimate for Superstructure**

**Item 03A Re-bar Grade-72 (28/32)-GF**

Bar Dia (mm):28

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1	2	Main Bar	24	19.00	1,345.21
1	COL	C2	1	Main Bar	12	19.00	336.30
1	COL	C2A	1	Main Bar	12	19.00	336.30
1	COL	C2B	1	Main Bar	12	19.00	336.30
1	COL	C3	2	Main Bar	22	19.00	1,233.11
1	COL	C4	1	Main Bar	12	19.00	336.30
<b>Sub-total:</b>							<b>3,923.53</b>
Total:							3,923.53

**Item 03A1 Re-bar Grade 72-GF**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1	2	Stirrup	37	34.00	473.36
1	COL	C1A	1	Stirrup	38	34.00	243.08
1	COL	C1B	1	Stirrup	38	50.00	357.46
1	COL	C1C	1	Stirrup	38	50.00	357.46
1	COL	C2	1	Stirrup	38	50.00	357.46
1	COL	C2A	1	Stirrup	38	50.00	357.46
1	COL	C2B	1	Stirrup	38	50.00	357.46
1	COL	C3	2	Stirrup	38	54.00	772.12
1	COL	C4	1	Stirrup	38	33.00	235.93
1	COL	C5	3	Stirrup	38	32.00	686.33
1	COL	C5A	1	Stirrup	38	32.00	228.78
1	RB	B01	1	Stirrup	138	5.75	149.29
1	RB	B02	1	Stirrup	116	5.25	114.58
1	RB	B03A	1	Stirrup	148	5.25	146.18
1	RB	B04	1	Stirrup	279	5.75	301.82
1	RB	B04A	1	Stirrup	279	5.75	301.82
1	RB	B05	1	Stirrup	70	3.75	49.39
1	RB	B06	1	Stirrup	70	3.75	49.39
1	RB	B07	1	Stirrup	97	5.25	95.81
1	RB	B10	1	Stirrup	35	5.00	32.92
1	RB	B11	1	Stirrup	52	5.33	52.14
1	RB	B12	1	Stirrup	45	5.50	46.56
1	RB	B13	1	Stirrup	45	5.50	46.56
1	RB	B14	1	Stirrup	52	5.50	53.81
1	RB	B15	1	Stirrup	55	5.50	56.91
1	RB	B16	1	Stirrup	60	5.50	62.09
1	RB	B16A	1	Stirrup	97	5.50	100.37
1	RB	B17	1	Stirrup	151	5.50	156.25
1	RB	B18	1	Stirrup	20	5.50	20.70
1	RB	B20	1	Stirrup	73	5.50	75.54
1	RB	B21	1	Stirrup	215	5.50	222.47
1	RB	B8A	1	Stirrup	106	6.25	124.64
1	STR	STR	2	Main Bar	50	12.00	225.77





**Estimate for Superstructure**

**Item 03A1 Re-bar Grade 72-GF**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SW1	SW1	1	Extra	25	5.00	23.52

**Sub-total: 6,935.44**

Bar Dia (mm):12

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	STR	STR	2	Main Bar	18	40.00	390.12
1	STR	STR	2	Main Bar	17	15.00	138.17
1	SW1	SW1	1	Stirrup	38	31.00	319.14
1	SW2	SW2	1	Extra	254	5.00	344.07
1	SW2	SW2	1	Stirrup	38	190.00	1,956.04
1	SW2	SW2	1	Main Bar	48	19.00	247.08
1	SW3	SW3	1	Main Bar	18	19.00	92.65
1	SW3	SW3	1	Stirrup	38	121.00	1,245.69
1	SW3	SW3	1	Extra	175	5.00	237.06

**Sub-total: 4,970.03**

Bar Dia (mm):16

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SW1	SW1	1	Main Bar	16	18.50	142.56
1	SW2	SW2	1	Main Bar	54	19.00	494.16
1	SW3	SW3	1	Main Bar	50	19.00	457.55

**Sub-total: 1,094.28**

Bar Dia (mm):20

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1A	1	Main Bar	12	18.50	167.07
1	COL	C1B	1	Main Bar	12	18.50	167.07
1	COL	C1C	1	Main Bar	12	18.50	167.07
1	COL	C5	3	Main Bar	8	19.00	343.17
1	RB	B01	1	Main Bar	6	52.00	234.80
1	RB	B01	1	Extra	4	37.50	112.88
1	RB	B01	1	Lap	12	2.62	23.66
1	RB	B01	1	Extra	9	3.28	22.22
1	RB	B02	1	Main Bar	6	43.00	194.16
1	RB	B02	1	Lap	6	2.62	11.83
1	RB	B02	1	Extra	4	34.50	103.85
1	RB	B03A	1	Main Bar	5	58.00	218.24
1	RB	B03A	1	Extra	12	3.28	29.63
1	RB	B03A	1	Extra	4	123.00	370.26
1	RB	B03A	1	Lap	10	2.62	19.72
1	RB	B04	1	Main Bar	7	104.00	547.86
1	RB	B04	1	Extra	11	3.28	27.16
1	RB	B04	1	Lap	28	2.62	55.21
1	RB	B04	1	Extra	6	64.00	288.98
1	RB	B04A	1	Main Bar	7	115.50	608.44
1	RB	B04A	1	Extra	4	84.50	254.36
1	RB	B05	1	Main Bar	4	57.00	171.58



**Estimate for Superstructure**

**Item 03A1 Re-bar Grade 72-GF**

Bar Dia (mm):20

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	RB	B05	1	Lap	8	2.62	15.77
1	RB	B05	1	Extra	8	3.28	19.75
1	RB	B06	1	Main Bar	8	33.00	198.67
1	RB	B06	1	Lap	8	2.62	15.77
1	RB	B06	1	Extra	8	3.28	19.75
1	RB	B07	1	Main Bar	4	78.15	235.25
1	RB	B07	1	Extra	4	78.15	235.25
1	RB	B07	1	Lap	14	2.62	27.60
1	RB	B07	1	Main Bar	18	3.28	44.44
1	RB	B10	1	Lap	6	2.62	11.83
1	RB	B10	1	Extra	16	3.28	39.49
1	RB	B10	1	Extra	2	8.00	12.04
1	RB	B10	1	Main Bar	6	14.50	65.47
1	RB	B11	1	Main Bar	7	19.50	102.72
1	RB	B11	1	Lap	7	2.62	13.80
1	RB	B11	1	Extra	4	6.75	20.32
1	RB	B11	1	Extra	16	3.28	39.51
1	RB	B12	1	Main Bar	6	16.50	74.50
1	RB	B12	1	Extra	16	3.28	39.51
1	RB	B12	1	Extra	4	16.00	48.16
1	RB	B12	1	Lap	6	2.62	11.83
1	RB	B13	1	Main Bar	7	17.00	89.55
1	RB	B13	1	Main Bar	7	2.62	13.80
1	RB	B13	1	Extra	2	6.25	9.41
1	RB	B14	1	Main Bar	4	37.50	112.88
1	RB	B14	1	Extra	19	3.28	46.91
1	RB	B14	1	Lap	6	2.62	11.83
1	RB	B16	1	Main Bar	8	20.67	124.44
1	RB	B16	1	Extra	19	3.28	46.91
1	RB	B16	1	Lap	8	2.62	15.77
1	RB	B16A	1	Main Bar	7	2.62	13.80
1	RB	B16A	1	Main Bar	7	36.00	189.64
1	RB	B18	1	Main Bar	6	7.50	33.87
1	RB	B20	1	Main Bar	6	26.83	121.15
1	RB	B20	1	Extra	2	31.00	46.66
1	RB	B20	1	Lap	6	2.62	11.83
1	RB	B21	1	Main Bar	7	79.33	417.90
1	RB	B21	1	Extra	4	75.00	225.77
1	RB	B21	1	Lap	14	2.62	27.60
1	SW2	SW2	1	Main Bar	16	19.00	228.78
1	SW3	SW3	1	Main Bar	8	19.00	114.39
						<b>Sub-total:</b>	<b>7,333.58</b>

Bar Dia (mm):25

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
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**Estimate for Superstructure**

**Item 03A1 Re-bar Grade 72-GF**

Bar Dia (mm):25

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1A	1	Main Bar	12	19.00	268.10
1	COL	C1B	1	Main Bar	12	19.00	268.10
1	COL	C1C	1	Main Bar	12	19.00	268.10
1	COL	C2	1	Main Bar	8	19.00	178.73
1	COL	C2A	1	Main Bar	8	19.00	178.73
1	COL	C2B	1	Main Bar	8	19.00	178.73
1	COL	C4	1	Main Bar	8	19.00	178.73
1	COL	C5	3	Main Bar	12	19.00	804.29
1	COL	C5A	1	Main Bar	20	19.00	446.83
1	RB	B15	1	Main Bar	6	20.75	146.40
1	RB	B15	1	Lap	6	3.28	23.14
1	RB	B15	1	Extra	2	6.83	16.06
1	RB	B17	1	Main Bar	10	56.00	658.49
1	RB	B17	1	Lap	30	3.28	115.71
1	RB	B17	1	Extra	4	21.25	99.95
1	RB	B17	1	Extra	20	3.28	77.16
1	RB	B8A	1	Main Bar	6	68.00	479.75
1	RB	B8A	1	Lap	6	2.62	18.48
1	RB	B8A	1	Main Bar	20	4.10	96.42
1	SW1	SW1	1	Main Bar	12	19.00	268.10
1	SW2	SW2	1	Main Bar	34	19.00	759.61
1	SW3	SW3	1	Main Bar	24	19.00	536.20
<b>Sub-total:</b>							<b>6,065.81</b>
Total:							26,399.14

**Item 03A2 Re-bar Grade 60-GF**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	LAP	1	Lap	303	2.00	114.01
1	SLB	S1A	1	Main Bar	93	28.67	501.64
1	SLB	SB	1	Main Bar	65	35.00	428.02
1	SLB	SC	1	Main Bar	44	24.75	204.88
1	SLB	SD	1	Main Bar	64	15.50	186.63
1	SLB	SD	1	Main Bar	69	19.83	257.42
1	SLB	SE	1	Main Bar	114	27.00	579.09
1	SLB	SF	1	Main Bar	143	30.00	807.12
1	SLB	SG	1	Main Bar	137	30.00	773.25
<b>Sub-total:</b>							<b>3,852.07</b>

Bar Dia (mm):12

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	CHA	1	Extra	1600	4.00	1,733.89
1	SLB	DT	12	Extra	15	8.00	390.12
1	SLB	DT	20	Extra	10	8.00	433.47
1	SLB	LAP	1	Lap	380	2.50	257.37
1	SLB	S1A	1	Main Bar	57	36.50	563.65



**Estimate for Superstructure**

**Item 03A2 Re-bar Grade 60-GF**

Bar Dia (mm):12

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	S1A	1	Extra	195	10.90	575.84
1	SLB	SB	1	Extra	204	11.50	635.58
1	SLB	SB	1	Main Bar	73	27.50	543.87
1	SLB	SC	1	Main Bar	56	14.00	212.40
1	SLB	SC	1	Extra	100	10.57	286.36
1	SLB	SD	1	Extra	68	10.00	184.23
1	SLB	SE	1	Extra	116	12.00	377.12
1	SLB	SF	1	Extra	168	15.00	682.72
1	SLB	SG	1	Extra	190	13.00	669.17
<b>Sub-total:</b>							<b>7,545.80</b>

Bar Dia (mm):16

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	SD	1	Main Bar	50	24.00	577.96
<b>Sub-total:</b>							<b>577.96</b>
Total:							11,975.83

**Item 03B Re-bar G72(28/32) -1st Floor**

Bar Dia (mm):28

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1	2	Main Bar	24	15.00	1,062.01
1	COL	C2	1	Main Bar	12	15.00	265.50
1	COL	C2A	1	Main Bar	12	15.00	265.50
1	COL	C2B	1	Main Bar	12	15.00	265.50
1	COL	C3	2	Main Bar	22	15.00	973.51
1	COL	C4	1	Main Bar	12	15.00	265.50
<b>Sub-total:</b>							<b>3,097.52</b>
Total:							3,097.52

**Item 03B1 Re-bar Grade 72-1st Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1	2	Stirrup	37	34.00	473.36
1	COL	C1A	1	Stirrup	38	34.00	243.08
1	COL	C1B	1	Stirrup	38	50.00	357.46
1	COL	C1C	1	Stirrup	38	50.00	357.46
1	COL	C2	1	Stirrup	38	50.00	357.46
1	COL	C2A	1	Stirrup	38	50.00	357.46
1	COL	C2B	1	Stirrup	38	50.00	357.46
1	COL	C3	2	Stirrup	38	54.00	772.12
1	COL	C4	1	Stirrup	38	33.00	235.93
1	COL	C5	3	Stirrup	38	32.00	686.33
1	COL	C5A	1	Stirrup	38	32.00	228.78
1	RB	B01	1	Stirrup	138	5.75	149.29
1	RB	B02	1	Stirrup	116	5.25	114.58
1	RB	B03A	1	Stirrup	148	5.25	146.18
1	RB	B04	1	Stirrup	279	5.75	301.82



**Estimate for Superstructure**

**Item 03B1 Re-bar Grade 72-1st Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	RB	B04A	1	Stirrup	279	5.75	301.82
1	RB	B05	1	Stirrup	70	3.75	49.39
1	RB	B06	1	Stirrup	70	3.75	49.39
1	RB	B07	1	Stirrup	97	5.25	95.81
1	RB	B10	1	Stirrup	35	5.00	32.92
1	RB	B11	1	Stirrup	52	5.33	52.14
1	RB	B12	1	Stirrup	45	5.50	46.56
1	RB	B13	1	Stirrup	45	5.50	46.56
1	RB	B14	1	Stirrup	52	5.50	53.81
1	RB	B15	1	Stirrup	55	5.50	56.91
1	RB	B16	1	Stirrup	60	5.50	62.09
1	RB	B16A	1	Stirrup	97	5.50	100.37
1	RB	B17	1	Stirrup	151	5.50	156.25
1	RB	B18	1	Stirrup	20	5.50	20.70
1	RB	B20	1	Stirrup	73	5.50	75.54
1	RB	B21	1	Stirrup	215	5.50	222.47
1	RB	B8A	1	Stirrup	106	6.25	124.64
1	STR	STR	2	Main Bar	50	12.00	225.77
1	SW1	SW1	1	Extra	25	5.00	23.52
<b>Sub-total:</b>							<b>6,935.44</b>

Bar Dia (mm):12

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	STR	STR	2	Main Bar	18	40.00	390.12
1	STR	STR	2	Main Bar	17	15.00	138.17
1	SW1	SW1	1	Stirrup	38	31.00	319.14
1	SW2	SW2	1	Extra	254	5.00	344.07
1	SW2	SW2	1	Stirrup	38	190.00	1,956.04
1	SW2	SW2	1	Main Bar	48	15.00	195.06
1	SW3	SW3	1	Main Bar	18	15.00	73.15
1	SW3	SW3	1	Stirrup	38	121.00	1,245.69
1	SW3	SW3	1	Extra	175	5.00	237.06
<b>Sub-total:</b>							<b>4,898.51</b>

Bar Dia (mm):16

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SW1	SW1	1	Main Bar	16	13.00	100.18
1	SW2	SW2	1	Main Bar	54	15.00	390.12
1	SW3	SW3	1	Main Bar	50	15.00	361.23
<b>Sub-total:</b>							<b>851.53</b>

Bar Dia (mm):20

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1A	1	Main Bar	12	15.00	135.46
1	COL	C1B	1	Main Bar	12	15.00	135.46
1	COL	C1C	1	Main Bar	12	15.00	135.46
1	COL	C5	3	Main Bar	8	15.00	270.92



**Estimate for Superstructure**

**Item 03B1 Re-bar Grade 72-1st Floor**

Bar Dia (mm):20

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	RB	B01	1	Main Bar	6	52.00	234.80
1	RB	B01	1	Extra	4	37.50	112.88
1	RB	B01	1	Extra	9	3.28	22.22
1	RB	B01	1	Lap	12	2.62	23.66
1	RB	B02	1	Main Bar	6	43.00	194.16
1	RB	B02	1	Lap	6	2.62	11.83
1	RB	B02	1	Extra	4	34.50	103.85
1	RB	B03A	1	Main Bar	5	58.00	218.24
1	RB	B03A	1	Extra	12	3.28	29.63
1	RB	B03A	1	Extra	4	123.00	370.26
1	RB	B03A	1	Lap	10	2.62	19.72
1	RB	B04	1	Main Bar	7	104.00	547.86
1	RB	B04	1	Extra	6	64.00	288.98
1	RB	B04	1	Extra	11	3.28	27.16
1	RB	B04	1	Lap	28	2.62	55.21
1	RB	B04A	1	Main Bar	7	115.50	608.44
1	RB	B04A	1	Extra	4	84.50	254.36
1	RB	B05	1	Main Bar	4	57.00	171.58
1	RB	B05	1	Lap	8	2.62	15.77
1	RB	B05	1	Extra	8	3.28	19.75
1	RB	B06	1	Main Bar	8	33.00	198.67
1	RB	B06	1	Extra	8	3.28	19.75
1	RB	B06	1	Lap	8	2.62	15.77
1	RB	B07	1	Main Bar	4	78.15	235.25
1	RB	B07	1	Main Bar	18	3.28	44.44
1	RB	B07	1	Extra	4	78.15	235.25
1	RB	B07	1	Lap	14	2.62	27.60
1	RB	B10	1	Lap	6	2.62	11.83
1	RB	B10	1	Extra	16	3.28	39.49
1	RB	B10	1	Extra	2	8.00	12.04
1	RB	B10	1	Main Bar	6	14.50	65.47
1	RB	B11	1	Main Bar	7	19.50	102.72
1	RB	B11	1	Extra	16	3.28	39.51
1	RB	B11	1	Lap	7	2.62	13.80
1	RB	B11	1	Extra	4	6.75	20.32
1	RB	B12	1	Main Bar	6	16.50	74.50
1	RB	B12	1	Extra	4	16.00	48.16
1	RB	B12	1	Extra	16	3.28	39.51
1	RB	B12	1	Lap	6	2.62	11.83
1	RB	B13	1	Main Bar	7	17.00	89.55
1	RB	B13	1	Extra	2	6.25	9.41
1	RB	B13	1	Main Bar	7	2.62	13.80
1	RB	B14	1	Main Bar	4	37.50	112.88
1	RB	B14	1	Lap	6	2.62	11.83



**Estimate for Superstructure**

**Item 03B1 Re-bar Grade 72-1st Floor**

Bar Dia (mm):20

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	RB	B14	1	Extra	19	3.28	46.91
1	RB	B16	1	Main Bar	8	20.67	124.44
1	RB	B16	1	Extra	19	3.28	46.91
1	RB	B16	1	Lap	8	2.62	15.77
1	RB	B16A	1	Main Bar	7	2.62	13.80
1	RB	B16A	1	Main Bar	7	36.00	189.64
1	RB	B18	1	Main Bar	6	7.50	33.87
1	RB	B20	1	Main Bar	6	26.83	121.15
1	RB	B20	1	Lap	6	2.62	11.83
1	RB	B20	1	Extra	2	31.00	46.66
1	RB	B21	1	Main Bar	7	79.33	417.90
1	RB	B21	1	Extra	4	75.00	225.77
1	RB	B21	1	Lap	14	2.62	27.60
1	SW2	SW2	1	Main Bar	16	15.00	180.61
1	SW3	SW3	1	Main Bar	8	15.00	90.31
<b>Sub-total:</b>							<b>7,094.27</b>

Bar Dia (mm):25

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1A	1	Main Bar	12	15.00	211.66
1	COL	C1B	1	Main Bar	12	15.00	211.66
1	COL	C1C	1	Main Bar	12	15.00	211.66
1	COL	C2	1	Main Bar	8	15.00	141.10
1	COL	C2A	1	Main Bar	8	15.00	141.10
1	COL	C2B	1	Main Bar	8	15.00	141.10
1	COL	C4	1	Main Bar	8	15.00	141.10
1	COL	C5	3	Main Bar	12	15.00	634.97
1	COL	C5A	1	Main Bar	20	15.00	352.76
1	RB	B15	1	Main Bar	6	20.75	146.40
1	RB	B15	1	Extra	2	6.83	16.06
1	RB	B15	1	Lap	6	3.28	23.14
1	RB	B17	1	Main Bar	10	56.00	658.49
1	RB	B17	1	Lap	30	3.28	115.71
1	RB	B17	1	Extra	20	3.28	77.16
1	RB	B17	1	Extra	4	21.25	99.95
1	RB	B8A	1	Main Bar	6	68.00	479.75
1	RB	B8A	1	Main Bar	20	4.10	96.42
1	RB	B8A	1	Lap	6	2.62	18.48
1	SW1	SW1	1	Main Bar	12	15.00	211.66
1	SW2	SW2	1	Main Bar	34	15.00	599.69
1	SW3	SW3	1	Main Bar	24	15.00	423.31
<b>Sub-total:</b>							<b>5,153.34</b>
Total:							24,933.09

**Item 03B2 Re-bar Grade 60 1st Floor**

Bar Dia (mm):10



**Estimate for Superstructure**

**Item 03B2 Re-bar Grade 60 1st Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	LAP	1	Lap	303	2.00	114.01
1	SLB	S1A	1	Main Bar	93	28.67	501.64
1	SLB	SB	1	Main Bar	65	35.00	428.02
1	SLB	SC	1	Main Bar	44	24.75	204.88
1	SLB	SD	1	Main Bar	64	15.50	186.63
1	SLB	SD	1	Main Bar	69	19.83	257.42
1	SLB	SE	1	Main Bar	114	27.00	579.09
1	SLB	SF	1	Main Bar	143	30.00	807.12
1	SLB	SG	1	Main Bar	137	30.00	773.25
<b>Sub-total:</b>							<b>3,852.07</b>

Bar Dia (mm):12

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	CHA	1	Extra	1600	4.00	1,733.89
1	SLB	DT	12	Extra	15	8.00	390.12
1	SLB	DT	20	Extra	10	8.00	433.47
1	SLB	LAP	1	Lap	380	2.50	257.37
1	SLB	S1A	1	Main Bar	57	36.50	563.65
1	SLB	S1A	1	Extra	195	10.90	575.84
1	SLB	SB	1	Extra	204	11.50	635.58
1	SLB	SB	1	Main Bar	73	27.50	543.87
1	SLB	SC	1	Main Bar	56	14.00	212.40
1	SLB	SC	1	Extra	100	10.57	286.36
1	SLB	SD	1	Extra	68	10.00	184.23
1	SLB	SE	1	Extra	116	12.00	377.12
1	SLB	SF	1	Extra	168	15.00	682.72
1	SLB	SG	1	Extra	190	13.00	669.17
<b>Sub-total:</b>							<b>7,545.80</b>

Bar Dia (mm):16

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	SD	1	Main Bar	50	24.00	577.96
<b>Sub-total:</b>							<b>577.96</b>
Total:							11,975.83

**Item 03C Re-bar G72 (28/32)-2nd Floor**

Bar Dia (mm):28

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1	2	Main Bar	24	13.00	920.41
1	COL	C1	2	Main Bar	24	13.00	920.41
1	COL	C2	1	Main Bar	12	13.00	230.10
1	COL	C2	1	Main Bar	12	13.00	230.10
1	COL	C2A	1	Main Bar	12	13.00	230.10
1	COL	C2A	1	Main Bar	12	13.00	230.10
1	COL	C2B	1	Main Bar	12	13.00	230.10
1	COL	C2B	1	Main Bar	12	13.00	230.10
1	COL	C3	2	Main Bar	22	13.00	843.71





**Estimate for Superstructure**

**Item 03C Re-bar G72 (28/32)-2nd Floor**

Bar Dia (mm):28

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C3	2	Main Bar	22	13.00	843.71
1	COL	C4	1	Main Bar	12	13.00	230.10
1	COL	C4	1	Main Bar	12	13.00	230.10
<b>Sub-total:</b>							<b>5,369.03</b>
Total:							5,369.03

**Item 03C1 Re-bar Grade 72-2nd Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1	2	Stirrup	37	34.00	473.36
1	COL	C1A	1	Stirrup	38	34.00	243.08
1	COL	C1B	1	Stirrup	38	50.00	357.46
1	COL	C1C	1	Stirrup	38	50.00	357.46
1	COL	C2	1	Stirrup	38	50.00	357.46
1	COL	C2A	1	Stirrup	38	50.00	357.46
1	COL	C2B	1	Stirrup	38	50.00	357.46
1	COL	C3	2	Stirrup	38	54.00	772.12
1	COL	C4	1	Stirrup	38	33.00	235.93
1	COL	C5	3	Stirrup	38	32.00	686.33
1	COL	C5A	1	Stirrup	38	32.00	228.78
1	RB	B01	1	Stirrup	138	5.75	149.29
1	RB	B02	1	Stirrup	116	5.25	114.58
1	RB	B03A	1	Stirrup	148	5.25	146.18
1	RB	B04	1	Stirrup	279	5.75	301.82
1	RB	B04A	1	Stirrup	279	5.75	301.82
1	RB	B05	1	Stirrup	70	3.75	49.39
1	RB	B06	1	Stirrup	70	3.75	49.39
1	RB	B07	1	Stirrup	97	5.25	95.81
1	RB	B10	1	Stirrup	35	5.00	32.92
1	RB	B11	1	Stirrup	52	5.33	52.14
1	RB	B12	1	Stirrup	45	5.50	46.56
1	RB	B13	1	Stirrup	45	5.50	46.56
1	RB	B14	1	Stirrup	52	5.50	53.81
1	RB	B15	1	Stirrup	55	5.50	56.91
1	RB	B16	1	Stirrup	60	5.50	62.09
1	RB	B16A	1	Stirrup	97	5.50	100.37
1	RB	B17	1	Stirrup	151	5.50	156.25
1	RB	B18	1	Stirrup	20	5.50	20.70
1	RB	B20	1	Stirrup	73	5.50	75.54
1	RB	B21	1	Stirrup	215	5.50	222.47
1	RB	B8A	1	Stirrup	106	6.25	124.64
1	STR	STR	2	Main Bar	50	12.00	225.77
1	SW1	SW1	1	Extra	25	5.00	23.52
<b>Sub-total:</b>							<b>6,935.44</b>

Bar Dia (mm):12



**Estimate for Superstructure**

**Item 03C1 Re-bar Grade 72-2nd Floor**

Bar Dia (mm):12

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	STR	STR	2	Main Bar	18	40.00	390.12
1	STR	STR	2	Main Bar	17	15.00	138.17
1	SW1	SW1	1	Stirrup	38	31.00	319.14
1	SW2	SW2	1	Main Bar	48	13.00	169.05
1	SW2	SW2	1	Stirrup	38	190.00	1,956.04
1	SW2	SW2	1	Extra	254	5.00	344.07
1	SW3	SW3	1	Main Bar	18	13.00	63.40
1	SW3	SW3	1	Extra	175	5.00	237.06
1	SW3	SW3	1	Stirrup	38	121.00	1,245.69
<b>Sub-total:</b>							<b>4,862.75</b>

Bar Dia (mm):16

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SW1	SW1	1	Main Bar	16	13.00	100.18
1	SW2	SW2	1	Main Bar	58	13.00	363.15
1	SW3	SW3	1	Main Bar	50	13.00	313.06
<b>Sub-total:</b>							<b>776.40</b>

Bar Dia (mm):20

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1A	1	Main Bar	12	18.50	167.07
1	COL	C1B	1	Main Bar	12	13.00	117.40
1	COL	C1C	1	Main Bar	12	13.00	117.40
1	COL	C5	3	Main Bar	8	13.00	234.80
1	RB	B01	1	Main Bar	6	52.00	234.80
1	RB	B01	1	Lap	12	2.62	23.66
1	RB	B01	1	Extra	4	37.50	112.88
1	RB	B01	1	Extra	9	3.28	22.22
1	RB	B02	1	Main Bar	6	43.00	194.16
1	RB	B02	1	Extra	4	34.50	103.85
1	RB	B02	1	Lap	6	2.62	11.83
1	RB	B03A	1	Main Bar	5	58.00	218.24
1	RB	B03A	1	Extra	4	123.00	370.26
1	RB	B03A	1	Extra	12	3.28	29.63
1	RB	B03A	1	Lap	10	2.62	19.72
1	RB	B04	1	Main Bar	7	104.00	547.86
1	RB	B04	1	Extra	6	64.00	288.98
1	RB	B04	1	Extra	11	3.28	27.16
1	RB	B04	1	Lap	28	2.62	55.21
1	RB	B04A	1	Main Bar	7	115.50	608.44
1	RB	B04A	1	Extra	4	84.50	254.36
1	RB	B05	1	Main Bar	4	57.00	171.58
1	RB	B05	1	Lap	8	2.62	15.77
1	RB	B05	1	Extra	8	3.28	19.75
1	RB	B06	1	Main Bar	8	33.00	198.67
1	RB	B06	1	Extra	8	3.28	19.75



**Estimate for Superstructure**

**Item 03C1 Re-bar Grade 72-2nd Floor**

Bar Dia (mm):20

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	RB	B06	1	Lap	8	2.62	15.77
1	RB	B07	1	Main Bar	4	78.15	235.25
1	RB	B07	1	Lap	14	2.62	27.60
1	RB	B07	1	Main Bar	18	3.28	44.44
1	RB	B07	1	Extra	4	78.15	235.25
1	RB	B10	1	Lap	6	2.62	11.83
1	RB	B10	1	Main Bar	6	14.50	65.47
1	RB	B10	1	Extra	16	3.28	39.49
1	RB	B10	1	Extra	2	8.00	12.04
1	RB	B11	1	Main Bar	7	19.50	102.72
1	RB	B11	1	Extra	16	3.28	39.51
1	RB	B11	1	Lap	7	2.62	13.80
1	RB	B11	1	Extra	4	6.75	20.32
1	RB	B12	1	Main Bar	6	16.50	74.50
1	RB	B12	1	Lap	6	2.62	11.83
1	RB	B12	1	Extra	4	16.00	48.16
1	RB	B12	1	Extra	16	3.28	39.51
1	RB	B13	1	Main Bar	7	17.00	89.55
1	RB	B13	1	Extra	2	6.25	9.41
1	RB	B13	1	Main Bar	7	2.62	13.80
1	RB	B14	1	Main Bar	4	37.50	112.88
1	RB	B14	1	Extra	19	3.28	46.91
1	RB	B14	1	Lap	6	2.62	11.83
1	RB	B16	1	Main Bar	8	20.67	124.44
1	RB	B16	1	Extra	19	3.28	46.91
1	RB	B16	1	Lap	8	2.62	15.77
1	RB	B16A	1	Main Bar	7	36.00	189.64
1	RB	B16A	1	Main Bar	7	2.62	13.80
1	RB	B18	1	Main Bar	6	7.50	33.87
1	RB	B20	1	Main Bar	6	26.83	121.15
1	RB	B20	1	Lap	6	2.62	11.83
1	RB	B20	1	Extra	2	31.00	46.66
1	RB	B21	1	Main Bar	7	79.33	417.90
1	RB	B21	1	Lap	14	2.62	27.60
1	RB	B21	1	Extra	4	75.00	225.77
1	SW2	SW2	1	Main Bar	46	13.00	450.03
1	SW3	SW3	1	Main Bar	32	13.00	313.06
						<b>Sub-total:</b>	<b>7,545.80</b>

Bar Dia (mm):25

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1A	1	Main Bar	12	13.00	183.44
1	COL	C1B	1	Main Bar	12	13.00	183.44
1	COL	C1C	1	Main Bar	12	13.00	183.44
1	COL	C2	1	Main Bar	8	13.00	122.29



**Estimate for Superstructure**

**Item 03C1 Re-bar Grade 72-2nd Floor**

Bar Dia (mm):25

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C2A	1	Main Bar	8	13.00	122.29
1	COL	C2B	1	Main Bar	8	13.00	122.29
1	COL	C4	1	Main Bar	8	13.00	122.29
1	COL	C5	3	Main Bar	12	13.00	550.31
1	COL	C5A	1	Main Bar	20	13.00	305.73
1	RB	B15	1	Main Bar	6	20.75	146.40
1	RB	B15	1	Extra	2	6.83	16.06
1	RB	B15	1	Lap	6	3.28	23.14
1	RB	B17	1	Main Bar	10	56.00	658.49
1	RB	B17	1	Extra	20	3.28	77.16
1	RB	B17	1	Extra	4	21.25	99.95
1	RB	B17	1	Lap	30	3.28	115.71
1	RB	B8A	1	Main Bar	6	68.00	479.75
1	RB	B8A	1	Lap	6	2.62	18.48
1	RB	B8A	1	Main Bar	20	4.10	96.42
1	SW1	SW1	1	Main Bar	12	13.00	183.44
<b>Sub-total:</b>							<b>3,810.50</b>
Total:							23,930.88

**Item 03C2 Re-bar Grade 60-2nd Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	LAP	1	Lap	303	2.00	114.01
1	SLB	SA	1	Main Bar	197	38.00	1,408.41
1	SLB	SB	1	Main Bar	65	35.00	428.02
1	SLB	SC	1	Main Bar	44	24.75	204.88
1	SLB	SD	1	Main Bar	64	15.50	186.63
1	SLB	SD	1	Main Bar	69	19.83	257.42
1	SLB	SE	1	Main Bar	114	27.00	579.09
1	SLB	SF	1	Main Bar	143	30.00	807.12
1	SLB	SG	1	Main Bar	137	30.00	773.25
<b>Sub-total:</b>							<b>4,758.84</b>

Bar Dia (mm):12

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	CHA	1	Extra	1600	4.00	1,733.89
1	SLB	DT	12	Extra	15	8.00	390.12
1	SLB	DT	20	Extra	10	8.00	433.47
1	SLB	LAP	1	Lap	380	2.50	257.37
1	SLB	SA	1	Main Bar	57	36.50	563.65
1	SLB	SA	1	Extra	195	16.00	845.27
1	SLB	SB	1	Extra	204	11.50	635.58
1	SLB	SB	1	Main Bar	73	27.50	543.87
1	SLB	SC	1	Main Bar	56	14.00	212.40
1	SLB	SC	1	Extra	100	10.57	286.36
1	SLB	SD	1	Extra	68	10.00	184.23



**Estimate for Superstructure**

**Item 03C2 Re-bar Grade 60-2nd Floor**

Bar Dia (mm):12

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	SE	1	Extra	116	12.00	377.12
1	SLB	SF	1	Extra	168	15.00	682.72
1	SLB	SG	1	Extra	190	13.00	669.17
<b>Sub-total:</b>							<b>7,815.23</b>

Bar Dia (mm):16

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	SD	1	Main Bar	50	24.00	577.96
<b>Sub-total:</b>							<b>577.96</b>
Total:							13,152.03

**Item 03D Re-bar G 72 (28/32)-3rd Floor**

Bar Dia (mm):28

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1	2	Main Bar	16	15.00	708.00
1	COL	C2	1	Main Bar	8	15.00	177.00
1	COL	C2A	1	Main Bar	8	15.00	177.00
1	COL	C2B	1	Main Bar	8	15.00	177.00
1	COL	C3	2	Main Bar	12	15.00	531.00
1	COL	C4	1	Main Bar	12	15.00	265.50
<b>Sub-total:</b>							<b>2,035.51</b>
Total:							2,035.51

**Item 03D1 Re-bar Grade 72-3rd Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1	2	Stirrup	37	34.00	473.36
1	COL	C1A	1	Stirrup	38	34.00	243.08
1	COL	C1B	1	Stirrup	38	50.00	357.46
1	COL	C1C	1	Stirrup	38	50.00	357.46
1	COL	C2	1	Stirrup	38	50.00	357.46
1	COL	C2A	1	Stirrup	38	50.00	357.46
1	COL	C2B	1	Stirrup	38	50.00	357.46
1	COL	C3	2	Stirrup	38	54.00	772.12
1	COL	C4	1	Stirrup	38	33.00	235.93
1	COL	C5	3	Stirrup	38	32.00	686.33
1	COL	C5A	1	Stirrup	38	32.00	228.78
1	RB	B01	1	Stirrup	138	5.75	149.29
1	RB	B02	1	Stirrup	116	5.25	114.58
1	RB	B03A	1	Stirrup	148	5.25	146.18
1	RB	B04	1	Stirrup	279	5.75	301.82
1	RB	B04A	1	Stirrup	279	5.75	301.82
1	RB	B05	1	Stirrup	70	3.75	49.39
1	RB	B06	1	Stirrup	70	3.75	49.39
1	RB	B07	1	Stirrup	97	5.25	95.81
1	RB	B10	1	Stirrup	35	5.00	32.92
1	RB	B11	1	Stirrup	52	5.33	52.14



**Estimate for Superstructure**

**Item 03D1 Re-bar Grade 72-3rd Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	RB	B12	1	Stirrup	45	5.50	46.56
1	RB	B13	1	Stirrup	45	5.50	46.56
1	RB	B14	1	Stirrup	52	5.50	53.81
1	RB	B15	1	Stirrup	55	5.50	56.91
1	RB	B16	1	Stirrup	60	5.50	62.09
1	RB	B16A	1	Stirrup	97	5.50	100.37
1	RB	B17	1	Stirrup	151	5.50	156.25
1	RB	B18	1	Stirrup	20	5.50	20.70
1	RB	B20	1	Stirrup	73	5.50	75.54
1	RB	B21	1	Stirrup	215	5.50	222.47
1	RB	B8A	1	Stirrup	106	6.25	124.64
1	STR	STR	2	Main Bar	50	12.00	225.77
1	SW1	SW1	1	Extra	25	5.00	23.52
<b>Sub-total:</b>							<b>6,935.44</b>

Bar Dia (mm):12

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	STR	STR	2	Main Bar	18	40.00	390.12
1	STR	STR	2	Main Bar	17	15.00	138.17
1	SW1	SW1	1	Stirrup	38	31.00	319.14
1	SW2	SW2	1	Main Bar	48	15.00	195.06
1	SW2	SW2	1	Extra	254	5.00	344.07
1	SW2	SW2	1	Stirrup	38	190.00	1,956.04
1	SW3	SW3	1	Main Bar	68	15.00	276.34
1	SW3	SW3	1	Stirrup	38	121.00	1,245.69
1	SW3	SW3	1	Extra	175	5.00	237.06
<b>Sub-total:</b>							<b>5,101.70</b>

Bar Dia (mm):16

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SW1	SW1	1	Main Bar	16	15.00	115.59
1	SW2	SW2	1	Main Bar	104	15.00	751.35
1	SW3	SW3	1	Main Bar	32	15.00	231.19
<b>Sub-total:</b>							<b>1,098.13</b>

Bar Dia (mm):20

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1A	1	Main Bar	20	15.00	225.77
1	COL	C1B	1	Main Bar	20	15.00	225.77
1	COL	C1C	1	Main Bar	20	15.00	225.77
1	COL	C5	3	Main Bar	12	15.00	406.38
1	COL	C5A	1	Main Bar	12	15.00	135.46
1	RB	B01	1	Main Bar	6	52.00	234.80
1	RB	B01	1	Lap	12	2.62	23.66
1	RB	B01	1	Extra	4	37.50	112.88
1	RB	B01	1	Extra	9	3.28	22.22
1	RB	B02	1	Main Bar	6	43.00	194.16



**Estimate for Superstructure**

**Item 03D1 Re-bar Grade 72-3rd Floor**

Bar Dia (mm):20

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	RB	B02	1	Extra	4	34.50	103.85
1	RB	B02	1	Lap	6	2.62	11.83
1	RB	B03A	1	Main Bar	5	58.00	218.24
1	RB	B03A	1	Extra	4	123.00	370.26
1	RB	B03A	1	Extra	12	3.28	29.63
1	RB	B03A	1	Lap	10	2.62	19.72
1	RB	B04	1	Main Bar	7	104.00	547.86
1	RB	B04	1	Extra	6	64.00	288.98
1	RB	B04	1	Extra	11	3.28	27.16
1	RB	B04	1	Lap	28	2.62	55.21
1	RB	B04A	1	Main Bar	7	115.50	608.44
1	RB	B04A	1	Extra	4	84.50	254.36
1	RB	B05	1	Main Bar	4	57.00	171.58
1	RB	B05	1	Lap	8	2.62	15.77
1	RB	B05	1	Extra	8	3.28	19.75
1	RB	B06	1	Main Bar	8	33.00	198.67
1	RB	B06	1	Extra	8	3.28	19.75
1	RB	B06	1	Lap	8	2.62	15.77
1	RB	B07	1	Main Bar	4	78.15	235.25
1	RB	B07	1	Lap	14	2.62	27.60
1	RB	B07	1	Main Bar	18	3.28	44.44
1	RB	B07	1	Extra	4	78.15	235.25
1	RB	B10	1	Lap	6	2.62	11.83
1	RB	B10	1	Main Bar	6	14.50	65.47
1	RB	B10	1	Extra	16	3.28	39.49
1	RB	B10	1	Extra	2	8.00	12.04
1	RB	B11	1	Main Bar	7	19.50	102.72
1	RB	B11	1	Extra	16	3.28	39.51
1	RB	B11	1	Lap	7	2.62	13.80
1	RB	B11	1	Extra	4	6.75	20.32
1	RB	B12	1	Main Bar	6	16.50	74.50
1	RB	B12	1	Lap	6	2.62	11.83
1	RB	B12	1	Extra	4	16.00	48.16
1	RB	B12	1	Extra	16	3.28	39.51
1	RB	B13	1	Main Bar	7	17.00	89.55
1	RB	B13	1	Extra	2	6.25	9.41
1	RB	B13	1	Main Bar	7	2.62	13.80
1	RB	B14	1	Main Bar	4	37.50	112.88
1	RB	B14	1	Extra	19	3.28	46.91
1	RB	B14	1	Lap	6	2.62	11.83
1	RB	B16	1	Main Bar	8	20.67	124.44
1	RB	B16	1	Lap	8	2.62	15.77
1	RB	B16	1	Extra	19	3.28	46.91
1	RB	B16A	1	Main Bar	7	36.00	189.64



**Estimate for Superstructure**

**Item 03D1 Re-bar Grade 72-3rd Floor**

Bar Dia (mm):20

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	RB	B16A	1	Main Bar	7	2.62	13.80
1	RB	B18	1	Main Bar	6	7.50	33.87
1	RB	B20	1	Main Bar	6	26.83	121.15
1	RB	B20	1	Extra	2	31.00	46.66
1	RB	B20	1	Lap	6	2.62	11.83
1	RB	B21	1	Main Bar	7	79.33	417.90
1	RB	B21	1	Extra	4	75.00	225.77
1	RB	B21	1	Lap	14	2.62	27.60
1	SW1	SW1	1	Main Bar	12	15.00	135.46
<b>Sub-total:</b>							<b>7,500.65</b>

Bar Dia (mm):25

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1	2	Main Bar	8	15.00	282.21
1	COL	C1A	1	Main Bar	4	15.00	70.55
1	COL	C1B	1	Main Bar	4	15.00	70.55
1	COL	C1C	1	Main Bar	4	15.00	70.55
1	COL	C2	1	Main Bar	12	15.00	211.66
1	COL	C2A	1	Main Bar	12	15.00	211.66
1	COL	C2B	1	Main Bar	12	15.00	211.66
1	COL	C4	1	Main Bar	20	15.00	352.76
1	COL	C5	3	Main Bar	8	15.00	423.31
1	COL	C5A	1	Main Bar	8	15.00	141.10
1	RB	B15	1	Main Bar	6	20.75	146.40
1	RB	B15	1	Extra	2	6.83	16.06
1	RB	B15	1	Lap	6	3.28	23.14
1	RB	B17	1	Main Bar	10	56.00	658.49
1	RB	B17	1	Extra	4	21.25	99.95
1	RB	B17	1	Lap	30	3.28	115.71
1	RB	B17	1	Extra	20	3.28	77.16
1	RB	B8A	1	Main Bar	6	68.00	479.75
1	RB	B8A	1	Lap	6	2.62	18.48
1	RB	B8A	1	Main Bar	20	4.10	96.42
<b>Sub-total:</b>							<b>3,777.57</b>
Total:							24,413.49

**Item 03D2 Re-bar Grage 60-3rd Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	LAP	1	Lap	303	2.00	114.01
1	SLB	S1A	1	Main Bar	93	28.67	501.64
1	SLB	SB	1	Main Bar	65	35.00	428.02
1	SLB	SC	1	Main Bar	44	24.75	204.88
1	SLB	SD	1	Main Bar	64	15.50	186.63
1	SLB	SD	1	Main Bar	69	19.83	257.42
1	SLB	SE	1	Main Bar	114	27.00	579.09





**Estimate for Superstructure**

**Item 03D2 Re-bar Grade 60-3rd Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	SF	1	Main Bar	143	30.00	807.12
1	SLB	SG	1	Main Bar	137	30.00	773.25
<b>Sub-total:</b>							<b>3,852.07</b>

Bar Dia (mm):12

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	CHA	1	Extra	1600	4.00	1,733.89
1	SLB	DT	12	Extra	15	8.00	390.12
1	SLB	DT	20	Extra	10	8.00	433.47
1	SLB	LAP	1	Lap	380	2.50	257.37
1	SLB	S1A	1	Main Bar	57	36.50	563.65
1	SLB	S1A	1	Extra	195	10.90	575.84
1	SLB	SB	1	Extra	204	11.50	635.58
1	SLB	SB	1	Main Bar	73	27.50	543.87
1	SLB	SC	1	Main Bar	56	14.00	212.40
1	SLB	SC	1	Extra	100	10.57	286.36
1	SLB	SD	1	Extra	68	10.00	184.23
1	SLB	SE	1	Extra	116	12.00	377.12
1	SLB	SF	1	Extra	168	15.00	682.72
1	SLB	SG	1	Extra	190	13.00	669.17
<b>Sub-total:</b>							<b>7,545.80</b>

Bar Dia (mm):16

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	SD	1	Main Bar	50	24.00	577.96
<b>Sub-total:</b>							<b>577.96</b>
Total:							11,975.83

**Item 03E Re-bar Grade 72 (28/32)-4th Floor**

Bar Dia (mm):28

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1	2	Main Bar	24	13.00	920.41
1	COL	C2	1	Main Bar	12	13.00	230.10
1	COL	C2A	1	Main Bar	12	13.00	230.10
1	COL	C2B	1	Main Bar	12	13.00	230.10
1	COL	C3	2	Main Bar	12	13.00	460.20
1	COL	C4	1	Main Bar	12	13.00	230.10
<b>Sub-total:</b>							<b>2,301.01</b>
Total:							2,301.01

**Item 03E1 Re-bar Grade 72-4th Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1	2	Stirrup	37	34.00	473.36
1	COL	C1A	1	Stirrup	38	34.00	243.08
1	COL	C1B	1	Stirrup	38	50.00	357.46
1	COL	C1C	1	Stirrup	38	50.00	357.46
1	COL	C2	1	Stirrup	38	50.00	357.46



**Estimate for Superstructure**

**Item 03E1 Re-bar Grade 72-4th Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C2A	1	Stirrup	38	50.00	357.46
1	COL	C2B	1	Stirrup	38	50.00	357.46
1	COL	C3	2	Stirrup	38	54.00	772.12
1	COL	C4	1	Stirrup	38	33.00	235.93
1	COL	C5	3	Stirrup	38	32.00	686.33
1	COL	C5A	1	Stirrup	38	32.00	228.78
1	RB	B01	1	Stirrup	138	5.75	149.29
1	RB	B02	1	Stirrup	116	5.25	114.58
1	RB	B03A	1	Stirrup	148	5.25	146.18
1	RB	B04	1	Stirrup	279	5.75	301.82
1	RB	B04A	1	Stirrup	279	5.75	301.82
1	RB	B05	1	Stirrup	70	3.75	49.39
1	RB	B06	1	Stirrup	70	3.75	49.39
1	RB	B07	1	Stirrup	97	5.25	95.81
1	RB	B10	1	Stirrup	35	5.00	32.92
1	RB	B11	1	Stirrup	52	5.33	52.14
1	RB	B12	1	Stirrup	45	5.50	46.56
1	RB	B13	1	Stirrup	45	5.50	46.56
1	RB	B14	1	Stirrup	52	5.50	53.81
1	RB	B15	1	Stirrup	55	5.50	56.91
1	RB	B16	1	Stirrup	60	5.50	62.09
1	RB	B16A	1	Stirrup	97	5.50	100.37
1	RB	B17	1	Stirrup	151	5.50	156.25
1	RB	B18	1	Stirrup	20	5.50	20.70
1	RB	B20	1	Stirrup	73	5.50	75.54
1	RB	B21	1	Stirrup	215	5.50	222.47
1	RB	B8A	1	Stirrup	106	6.25	124.64
1	STR	STR	2	Main Bar	50	12.00	225.77
1	SW1	SW1	1	Extra	25	5.00	23.52
						<b>Sub-total:</b>	<b>6,935.44</b>

Bar Dia (mm):12

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	STR	STR	2	Main Bar	18	40.00	390.12
1	STR	STR	2	Main Bar	17	15.00	138.17
1	SW1	SW1	1	Stirrup	38	31.00	319.14
1	SW2	SW2	1	Main Bar	48	15.00	195.06
1	SW2	SW2	1	Stirrup	38	190.00	1,956.04
1	SW2	SW2	1	Extra	254	5.00	344.07
1	SW3	SW3	1	Main Bar	68	15.00	276.34
1	SW3	SW3	1	Stirrup	38	121.00	1,245.69
1	SW3	SW3	1	Extra	175	5.00	237.06
						<b>Sub-total:</b>	<b>5,101.70</b>

Bar Dia (mm):16

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
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**Estimate for Superstructure**

**Item 03E1 Re-bar Grade 72-4th Floor**

Bar Dia (mm):16

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SW1	SW1	1	Main Bar	16	15.00	115.59
1	SW2	SW2	1	Main Bar	104	15.00	751.35
1	SW3	SW3	1	Main Bar	32	15.00	231.19
<b>Sub-total:</b>							<b>1,098.13</b>

Bar Dia (mm):20

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1A	1	Main Bar	20	15.00	225.77
1	COL	C1B	1	Main Bar	20	15.00	225.77
1	COL	C1C	1	Main Bar	20	15.00	225.77
1	COL	C5	3	Main Bar	12	15.00	406.38
1	COL	C5A	1	Main Bar	12	15.00	135.46
1	RB	B01	1	Main Bar	6	52.00	234.80
1	RB	B01	1	Extra	9	3.28	22.22
1	RB	B01	1	Extra	4	37.50	112.88
1	RB	B01	1	Lap	12	2.62	23.66
1	RB	B02	1	Main Bar	6	43.00	194.16
1	RB	B02	1	Lap	6	2.62	11.83
1	RB	B02	1	Extra	4	34.50	103.85
1	RB	B03A	1	Main Bar	5	58.00	218.24
1	RB	B03A	1	Lap	10	2.62	19.72
1	RB	B03A	1	Extra	4	123.00	370.26
1	RB	B03A	1	Extra	12	3.28	29.63
1	RB	B04	1	Main Bar	7	104.00	547.86
1	RB	B04	1	Extra	11	3.28	27.16
1	RB	B04	1	Lap	28	2.62	55.21
1	RB	B04	1	Extra	6	64.00	288.98
1	RB	B04A	1	Main Bar	7	115.50	608.44
1	RB	B04A	1	Extra	4	84.50	254.36
1	RB	B05	1	Main Bar	4	57.00	171.58
1	RB	B05	1	Extra	8	3.28	19.75
1	RB	B05	1	Lap	8	2.62	15.77
1	RB	B06	1	Main Bar	8	33.00	198.67
1	RB	B06	1	Lap	8	2.62	15.77
1	RB	B06	1	Extra	8	3.28	19.75
1	RB	B07	1	Main Bar	4	78.15	235.25
1	RB	B07	1	Extra	4	78.15	235.25
1	RB	B07	1	Lap	14	2.62	27.60
1	RB	B07	1	Main Bar	18	3.28	44.44
1	RB	B10	1	Lap	6	2.62	11.83
1	RB	B10	1	Extra	16	3.28	39.49
1	RB	B10	1	Extra	2	8.00	12.04
1	RB	B10	1	Main Bar	6	14.50	65.47
1	RB	B11	1	Main Bar	7	19.50	102.72
1	RB	B11	1	Extra	4	6.75	20.32



**Estimate for Superstructure**

**Item 03E1 Re-bar Grade 72-4th Floor**

Bar Dia (mm):20

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weight (Kg)
1	RB	B11	1	Extra	16	3.28	39.51
1	RB	B11	1	Lap	7	2.62	13.80
1	RB	B12	1	Main Bar	6	16.50	74.50
1	RB	B12	1	Extra	4	16.00	48.16
1	RB	B12	1	Extra	16	3.28	39.51
1	RB	B12	1	Lap	6	2.62	11.83
1	RB	B13	1	Main Bar	7	17.00	89.55
1	RB	B13	1	Main Bar	7	2.62	13.80
1	RB	B13	1	Extra	2	6.25	9.41
1	RB	B14	1	Main Bar	4	37.50	112.88
1	RB	B14	1	Lap	6	2.62	11.83
1	RB	B14	1	Extra	19	3.28	46.91
1	RB	B16	1	Main Bar	8	20.67	124.44
1	RB	B16	1	Extra	19	3.28	46.91
1	RB	B16	1	Lap	8	2.62	15.77
1	RB	B16A	1	Main Bar	7	36.00	189.64
1	RB	B16A	1	Main Bar	7	2.62	13.80
1	RB	B18	1	Main Bar	6	7.50	33.87
1	RB	B20	1	Main Bar	6	26.83	121.15
1	RB	B20	1	Lap	6	2.62	11.83
1	RB	B20	1	Extra	2	31.00	46.66
1	RB	B21	1	Main Bar	7	79.33	417.90
1	RB	B21	1	Lap	14	2.62	27.60
1	RB	B21	1	Extra	4	75.00	225.77
1	SW1	SW1	1	Main Bar	12	15.00	135.46
<b>Sub-total:</b>							<b>7,500.65</b>

Bar Dia (mm):25

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weight (Kg)
1	COL	C1	2	Main Bar	8	15.00	282.21
1	COL	C1A	1	Main Bar	4	15.00	70.55
1	COL	C1B	1	Main Bar	4	15.00	70.55
1	COL	C1C	1	Main Bar	4	15.00	70.55
1	COL	C2	1	Main Bar	12	15.00	211.66
1	COL	C2A	1	Main Bar	12	15.00	211.66
1	COL	C2B	1	Main Bar	12	15.00	211.66
1	COL	C4	1	Main Bar	20	15.00	352.76
1	COL	C5	3	Main Bar	8	15.00	423.31
1	COL	C5A	1	Main Bar	8	15.00	141.10
1	RB	B15	1	Main Bar	6	20.75	146.40
1	RB	B15	1	Lap	6	3.28	23.14
1	RB	B15	1	Extra	2	6.83	16.06
1	RB	B17	1	Main Bar	10	56.00	658.49
1	RB	B17	1	Lap	30	3.28	115.71
1	RB	B17	1	Extra	4	21.25	99.95



**Estimate for Superstructure**

**Item 03E1 Re-bar Grade 72-4th Floor**

Bar Dia (mm):25

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	RB	B17	1	Extra	20	3.28	77.16
1	RB	B8A	1	Main Bar	6	68.00	479.75
1	RB	B8A	1	Main Bar	20	4.10	96.42
1	RB	B8A	1	Lap	6	2.62	18.48
<b>Sub-total:</b>							<b>3,777.57</b>
Total:							24,413.49

**Item 03E2 Re-bar Grage 60-4th Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	LAP	1	Lap	303	2.00	114.01
1	SLB	SA	1	Main Bar	197	38.00	1,408.41
1	SLB	SB	1	Main Bar	65	35.00	428.02
1	SLB	SC	1	Main Bar	44	24.75	204.88
1	SLB	SD	1	Main Bar	64	15.50	186.63
1	SLB	SD	1	Main Bar	69	19.83	257.42
1	SLB	SE	1	Main Bar	114	27.00	579.09
1	SLB	SF	1	Main Bar	143	30.00	807.12
1	SLB	SG	1	Main Bar	137	30.00	773.25
<b>Sub-total:</b>							<b>4,758.84</b>

Bar Dia (mm):12

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	CHA	1	Extra	1600	4.00	1,733.89
1	SLB	DT	12	Extra	15	8.00	390.12
1	SLB	DT	20	Extra	10	8.00	433.47
1	SLB	LAP	1	Lap	380	2.50	257.37
1	SLB	SA	1	Main Bar	57	36.50	563.65
1	SLB	SA	1	Extra	195	16.00	845.27
1	SLB	SB	1	Extra	204	11.50	635.58
1	SLB	SB	1	Main Bar	73	27.50	543.87
1	SLB	SC	1	Main Bar	56	14.00	212.40
1	SLB	SC	1	Extra	100	10.57	286.36
1	SLB	SD	1	Extra	68	10.00	184.23
1	SLB	SE	1	Extra	116	12.00	377.12
1	SLB	SF	1	Extra	168	15.00	682.72
1	SLB	SG	1	Extra	190	13.00	669.17
<b>Sub-total:</b>							<b>7,815.23</b>

Bar Dia (mm):16

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	SD	1	Main Bar	50	24.00	577.96
<b>Sub-total:</b>							<b>577.96</b>
Total:							13,152.03

**Item 03F Re-bar Grade 72 (28/32)-5th Floor**

Bar Dia (mm):28

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
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**Estimate for Superstructure**

**Item 03F Re-bar Grade 72 (28/32)-5th Floor**

Bar Dia (mm):28

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1	2	Main Bar	12	15.00	531.00
<b>Sub-total:</b>							<b>531.00</b>
Total:							531.00

**Item 03F1 Re-bar Grade 72-5th Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1	2	Stirrup	37	34.00	473.36
1	COL	C1A	1	Stirrup	38	34.00	243.08
1	COL	C1B	1	Stirrup	38	50.00	357.46
1	COL	C1C	1	Stirrup	38	50.00	357.46
1	COL	C2	1	Stirrup	38	50.00	357.46
1	COL	C2A	1	Stirrup	38	50.00	357.46
1	COL	C2B	1	Stirrup	38	50.00	357.46
1	COL	C3	2	Stirrup	38	54.00	772.12
1	COL	C4	1	Stirrup	38	33.00	235.93
1	COL	C5	3	Stirrup	38	32.00	686.33
1	COL	C5A	1	Stirrup	38	32.00	228.78
1	RB	B01	1	Stirrup	138	5.75	149.29
1	RB	B02	1	Stirrup	116	5.25	114.58
1	RB	B03A	1	Stirrup	148	5.25	146.18
1	RB	B04	1	Stirrup	279	5.75	301.82
1	RB	B04A	1	Stirrup	279	5.75	301.82
1	RB	B05	1	Stirrup	70	3.75	49.39
1	RB	B06	1	Stirrup	70	3.75	49.39
1	RB	B07	1	Stirrup	97	5.25	95.81
1	RB	B10	1	Stirrup	35	5.00	32.92
1	RB	B11	1	Stirrup	52	5.33	52.14
1	RB	B12	1	Stirrup	45	5.50	46.56
1	RB	B13	1	Stirrup	45	5.50	46.56
1	RB	B14	1	Stirrup	52	5.50	53.81
1	RB	B15	1	Stirrup	55	5.50	56.91
1	RB	B16	1	Stirrup	60	5.50	62.09
1	RB	B16A	1	Stirrup	97	5.50	100.37
1	RB	B17	1	Stirrup	151	5.50	156.25
1	RB	B18	1	Stirrup	20	5.50	20.70
1	RB	B20	1	Stirrup	73	5.50	75.54
1	RB	B21	1	Stirrup	215	5.50	222.47
1	RB	B8A	1	Stirrup	106	6.25	124.64
1	STR	STR	2	Main Bar	50	12.00	225.77
1	SW1	SW1	1	Extra	25	5.00	23.52
<b>Sub-total:</b>							<b>6,935.44</b>

Bar Dia (mm):12

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	STR	STR	2	Main Bar	18	40.00	390.12



**Estimate for Superstructure**

**Item 03F1 Re-bar Grade 72-5th Floor**

Bar Dia (mm):12

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	STR	STR	2	Main Bar	17	15.00	138.17
1	SW1	SW1	1	Stirrup	38	31.00	319.14
1	SW2	SW2	1	Main Bar	48	15.00	195.06
1	SW2	SW2	1	Extra	254	5.00	344.07
1	SW2	SW2	1	Stirrup	38	190.00	1,956.04
1	SW3	SW3	1	Main Bar	68	15.00	276.34
1	SW3	SW3	1	Extra	175	5.00	237.06
1	SW3	SW3	1	Stirrup	38	121.00	1,245.69
<b>Sub-total:</b>							<b>5,101.70</b>

Bar Dia (mm):16

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SW1	SW1	1	Main Bar	16	15.00	115.59
1	SW2	SW2	1	Main Bar	104	15.00	751.35
1	SW3	SW3	1	Main Bar	32	15.00	231.19
<b>Sub-total:</b>							<b>1,098.13</b>

Bar Dia (mm):20

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1A	1	Main Bar	24	15.00	270.92
1	COL	C1B	1	Main Bar	24	15.00	270.92
1	COL	C1C	1	Main Bar	24	15.00	270.92
1	COL	C4	1	Main Bar	8	15.00	90.31
1	COL	C5	3	Main Bar	20	15.00	677.30
1	COL	C5A	1	Main Bar	20	15.00	225.77
1	RB	B01	1	Main Bar	6	52.00	234.80
1	RB	B01	1	Lap	12	2.62	23.66
1	RB	B01	1	Extra	4	37.50	112.88
1	RB	B01	1	Extra	9	3.28	22.22
1	RB	B02	1	Main Bar	6	43.00	194.16
1	RB	B02	1	Lap	6	2.62	11.83
1	RB	B02	1	Extra	4	34.50	103.85
1	RB	B03A	1	Main Bar	5	58.00	218.24
1	RB	B03A	1	Lap	10	2.62	19.72
1	RB	B03A	1	Extra	12	3.28	29.63
1	RB	B03A	1	Extra	4	123.00	370.26
1	RB	B04	1	Main Bar	7	104.00	547.86
1	RB	B04	1	Extra	6	64.00	288.98
1	RB	B04	1	Lap	28	2.62	55.21
1	RB	B04	1	Extra	11	3.28	27.16
1	RB	B04A	1	Main Bar	7	115.50	608.44
1	RB	B04A	1	Extra	4	84.50	254.36
1	RB	B05	1	Main Bar	4	57.00	171.58
1	RB	B05	1	Lap	8	2.62	15.77
1	RB	B05	1	Extra	8	3.28	19.75
1	RB	B06	1	Main Bar	8	33.00	198.67



**Estimate for Superstructure**

**Item 03F1 Re-bar Grade 72-5th Floor**

Bar Dia (mm):20

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	RB	B06	1	Lap	8	2.62	15.77
1	RB	B06	1	Extra	8	3.28	19.75
1	RB	B07	1	Main Bar	4	78.15	235.25
1	RB	B07	1	Extra	4	78.15	235.25
1	RB	B07	1	Main Bar	18	3.28	44.44
1	RB	B07	1	Lap	14	2.62	27.60
1	RB	B10	1	Lap	6	2.62	11.83
1	RB	B10	1	Main Bar	6	14.50	65.47
1	RB	B10	1	Extra	2	8.00	12.04
1	RB	B10	1	Extra	16	3.28	39.49
1	RB	B11	1	Main Bar	7	19.50	102.72
1	RB	B11	1	Extra	4	6.75	20.32
1	RB	B11	1	Lap	7	2.62	13.80
1	RB	B11	1	Extra	16	3.28	39.51
1	RB	B12	1	Main Bar	6	16.50	74.50
1	RB	B12	1	Lap	6	2.62	11.83
1	RB	B12	1	Extra	16	3.28	39.51
1	RB	B12	1	Extra	4	16.00	48.16
1	RB	B13	1	Main Bar	7	17.00	89.55
1	RB	B13	1	Main Bar	7	2.62	13.80
1	RB	B13	1	Extra	2	6.25	9.41
1	RB	B14	1	Main Bar	4	37.50	112.88
1	RB	B14	1	Extra	19	3.28	46.91
1	RB	B14	1	Lap	6	2.62	11.83
1	RB	B16	1	Main Bar	8	20.67	124.44
1	RB	B16	1	Lap	8	2.62	15.77
1	RB	B16	1	Extra	19	3.28	46.91
1	RB	B16A	1	Main Bar	7	36.00	189.64
1	RB	B16A	1	Main Bar	7	2.62	13.80
1	RB	B18	1	Main Bar	6	7.50	33.87
1	RB	B20	1	Main Bar	6	26.83	121.15
1	RB	B20	1	Lap	6	2.62	11.83
1	RB	B20	1	Extra	2	31.00	46.66
1	RB	B21	1	Main Bar	7	79.33	417.90
1	RB	B21	1	Extra	4	75.00	225.77
1	RB	B21	1	Lap	14	2.62	27.60
1	SW1	SW1	1	Main Bar	12	15.00	135.46
						<b>Sub-total:</b>	<b>8,087.64</b>

Bar Dia (mm):25

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C2	1	Main Bar	20	15.00	352.76
1	COL	C2A	1	Main Bar	20	15.00	352.76
1	COL	C2B	1	Main Bar	20	15.00	352.76
1	COL	C3	2	Main Bar	22	15.00	776.07





**Estimate for Superstructure**

**Item 03F1 Re-bar Grade 72-5th Floor**

Bar Dia (mm):25

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C4	1	Main Bar	12	15.00	211.66
1	RB	B15	1	Main Bar	6	20.75	146.40
1	RB	B15	1	Extra	2	6.83	16.06
1	RB	B15	1	Lap	6	3.28	23.14
1	RB	B17	1	Main Bar	10	56.00	658.49
1	RB	B17	1	Lap	30	3.28	115.71
1	RB	B17	1	Extra	4	21.25	99.95
1	RB	B17	1	Extra	20	3.28	77.16
1	RB	B8A	1	Main Bar	6	68.00	479.75
1	RB	B8A	1	Main Bar	20	4.10	96.42
1	RB	B8A	1	Lap	6	2.62	18.48
<b>Sub-total:</b>							<b>3,777.57</b>
Total:							25,000.48

**Item 03F2 Re-bar Grade 60-5th Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	LAP	1	Lap	303	2.00	114.01
1	SLB	SA	1	Main Bar	197	38.00	1,408.41
1	SLB	SB	1	Main Bar	65	35.00	428.02
1	SLB	SC	1	Main Bar	44	24.75	204.88
1	SLB	SD	1	Main Bar	64	15.50	186.63
1	SLB	SD	1	Main Bar	69	19.83	257.42
1	SLB	SE	1	Main Bar	114	27.00	579.09
1	SLB	SF	1	Main Bar	143	30.00	807.12
1	SLB	SG	1	Main Bar	137	30.00	773.25
<b>Sub-total:</b>							<b>4,758.84</b>

Bar Dia (mm):12

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	CHA	1	Extra	1600	4.00	1,733.89
1	SLB	DT	12	Extra	15	8.00	390.12
1	SLB	DT	20	Extra	10	8.00	433.47
1	SLB	LAP	1	Lap	380	2.50	257.37
1	SLB	SA	1	Main Bar	57	36.50	563.65
1	SLB	SA	1	Extra	195	16.00	845.27
1	SLB	SB	1	Extra	204	11.50	635.58
1	SLB	SB	1	Main Bar	73	27.50	543.87
1	SLB	SC	1	Main Bar	56	14.00	212.40
1	SLB	SC	1	Extra	100	10.57	286.36
1	SLB	SD	1	Extra	68	10.00	184.23
1	SLB	SE	1	Extra	116	12.00	377.12
1	SLB	SF	1	Extra	168	15.00	682.72
1	SLB	SG	1	Extra	190	13.00	669.17
<b>Sub-total:</b>							<b>7,815.23</b>

Bar Dia (mm):16



**Estimate for Superstructure**

**Item 03F2 Re-bar Grade 60-5th Floor**

Bar Dia (mm):16

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	SD	1	Main Bar	50	24.00	577.96
<b>Sub-total:</b>							<b>577.96</b>
Total:							13,152.03

**Item 03G Re-bar Grade 72(28/32)-6th Floor**

Bar Dia (mm):28

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1	2	Main Bar	12	15.00	531.00
<b>Sub-total:</b>							<b>531.00</b>
Total:							531.00

**Item 03G1 Re-bar Grade 72-6th Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1	2	Stirrup	37	34.00	473.36
1	COL	C1A	1	Stirrup	38	34.00	243.08
1	COL	C1B	1	Stirrup	38	50.00	357.46
1	COL	C1C	1	Stirrup	38	50.00	357.46
1	COL	C2	1	Stirrup	38	50.00	357.46
1	COL	C2A	1	Stirrup	38	50.00	357.46
1	COL	C2B	1	Stirrup	38	50.00	357.46
1	COL	C3	2	Stirrup	38	54.00	772.12
1	COL	C4	1	Stirrup	38	33.00	235.93
1	COL	C5	3	Stirrup	38	32.00	686.33
1	COL	C5A	1	Stirrup	38	32.00	228.78
1	RB	B01	1	Stirrup	138	5.75	149.29
1	RB	B02	1	Stirrup	116	5.25	114.58
1	RB	B03A	1	Stirrup	148	5.25	146.18
1	RB	B04	1	Stirrup	279	5.75	301.82
1	RB	B04A	1	Stirrup	279	5.75	301.82
1	RB	B05	1	Stirrup	70	3.75	49.39
1	RB	B06	1	Stirrup	70	3.75	49.39
1	RB	B07	1	Stirrup	97	5.25	95.81
1	RB	B10	1	Stirrup	35	5.00	32.92
1	RB	B11	1	Stirrup	52	5.33	52.14
1	RB	B12	1	Stirrup	45	5.50	46.56
1	RB	B13	1	Stirrup	45	5.50	46.56
1	RB	B14	1	Stirrup	52	5.50	53.81
1	RB	B15	1	Stirrup	55	5.50	56.91
1	RB	B16	1	Stirrup	60	5.50	62.09
1	RB	B16A	1	Stirrup	97	5.50	100.37
1	RB	B17	1	Stirrup	151	5.50	156.25
1	RB	B18	1	Stirrup	20	5.50	20.70
1	RB	B20	1	Stirrup	73	5.50	75.54
1	RB	B21	1	Stirrup	215	5.50	222.47
1	RB	B8A	1	Stirrup	106	6.25	124.64



**Estimate for Superstructure**

**Item 03G1 Re-bar Grade 72-6th Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	STR	STR	2	Main Bar	50	12.00	225.77
1	SW1	SW1	1	Extra	25	5.00	23.52
<b>Sub-total:</b>							<b>6,935.44</b>

Bar Dia (mm):12

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	STR	STR	2	Main Bar	18	40.00	390.12
1	STR	STR	2	Main Bar	17	15.00	138.17
1	SW1	SW1	1	Stirrup	38	31.00	319.14
1	SW2	SW2	1	Main Bar	48	15.00	195.06
1	SW2	SW2	1	Stirrup	38	190.00	1,956.04
1	SW2	SW2	1	Extra	254	5.00	344.07
1	SW3	SW3	1	Main Bar	68	15.00	276.34
1	SW3	SW3	1	Stirrup	38	121.00	1,245.69
1	SW3	SW3	1	Extra	175	5.00	237.06
<b>Sub-total:</b>							<b>5,101.70</b>

Bar Dia (mm):16

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SW1	SW1	1	Main Bar	16	15.00	115.59
1	SW2	SW2	1	Main Bar	104	15.00	751.35
1	SW3	SW3	1	Main Bar	32	15.00	231.19
<b>Sub-total:</b>							<b>1,098.13</b>

Bar Dia (mm):20

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1A	1	Main Bar	24	15.00	270.92
1	COL	C1B	1	Main Bar	24	15.00	270.92
1	COL	C1C	1	Main Bar	24	15.00	270.92
1	COL	C4	1	Main Bar	8	15.00	90.31
1	COL	C5	3	Main Bar	20	15.00	677.30
1	COL	C5A	1	Main Bar	20	15.00	225.77
1	RB	B01	1	Main Bar	6	52.00	234.80
1	RB	B01	1	Extra	9	3.28	22.22
1	RB	B01	1	Lap	12	2.62	23.66
1	RB	B01	1	Extra	4	37.50	112.88
1	RB	B02	1	Main Bar	6	43.00	194.16
1	RB	B02	1	Extra	4	34.50	103.85
1	RB	B02	1	Lap	6	2.62	11.83
1	RB	B03A	1	Main Bar	5	58.00	218.24
1	RB	B03A	1	Lap	10	2.62	19.72
1	RB	B03A	1	Extra	4	123.00	370.26
1	RB	B03A	1	Extra	12	3.28	29.63
1	RB	B04	1	Main Bar	7	104.00	547.86
1	RB	B04	1	Lap	28	2.62	55.21
1	RB	B04	1	Extra	6	64.00	288.98
1	RB	B04	1	Extra	11	3.28	27.16



**Estimate for Superstructure**

**Item 03G1 Re-bar Grade 72-6th Floor**

Bar Dia (mm):20

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	RB	B04A	1	Main Bar	7	115.50	608.44
1	RB	B04A	1	Extra	4	84.50	254.36
1	RB	B05	1	Main Bar	4	57.00	171.58
1	RB	B05	1	Extra	8	3.28	19.75
1	RB	B05	1	Lap	8	2.62	15.77
1	RB	B06	1	Main Bar	8	33.00	198.67
1	RB	B06	1	Extra	8	3.28	19.75
1	RB	B06	1	Lap	8	2.62	15.77
1	RB	B07	1	Main Bar	4	78.15	235.25
1	RB	B07	1	Extra	4	78.15	235.25
1	RB	B07	1	Lap	14	2.62	27.60
1	RB	B07	1	Main Bar	18	3.28	44.44
1	RB	B10	1	Lap	6	2.62	11.83
1	RB	B10	1	Extra	2	8.00	12.04
1	RB	B10	1	Main Bar	6	14.50	65.47
1	RB	B10	1	Extra	16	3.28	39.49
1	RB	B11	1	Main Bar	7	19.50	102.72
1	RB	B11	1	Extra	4	6.75	20.32
1	RB	B11	1	Extra	16	3.28	39.51
1	RB	B11	1	Lap	7	2.62	13.80
1	RB	B12	1	Main Bar	6	16.50	74.50
1	RB	B12	1	Extra	16	3.28	39.51
1	RB	B12	1	Lap	6	2.62	11.83
1	RB	B12	1	Extra	4	16.00	48.16
1	RB	B13	1	Main Bar	7	17.00	89.55
1	RB	B13	1	Main Bar	7	2.62	13.80
1	RB	B13	1	Extra	2	6.25	9.41
1	RB	B14	1	Main Bar	4	37.50	112.88
1	RB	B14	1	Lap	6	2.62	11.83
1	RB	B14	1	Extra	19	3.28	46.91
1	RB	B16	1	Main Bar	8	20.67	124.44
1	RB	B16	1	Lap	8	2.62	15.77
1	RB	B16	1	Extra	19	3.28	46.91
1	RB	B16A	1	Main Bar	7	36.00	189.64
1	RB	B16A	1	Main Bar	7	2.62	13.80
1	RB	B18	1	Main Bar	6	7.50	33.87
1	RB	B20	1	Main Bar	6	26.83	121.15
1	RB	B20	1	Extra	2	31.00	46.66
1	RB	B20	1	Lap	6	2.62	11.83
1	RB	B21	1	Main Bar	7	79.33	417.90
1	RB	B21	1	Extra	4	75.00	225.77
1	RB	B21	1	Lap	14	2.62	27.60
1	SW1	SW1	1	Main Bar	12	15.00	135.46
						<b>Sub-total:</b>	<b>8,087.64</b>



**Estimate for Superstructure**

**Item 03G1 Re-bar Grade 72-6th Floor**

Bar Dia (mm):25

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C2	1	Main Bar	20	15.00	352.76
1	COL	C2A	1	Main Bar	20	15.00	352.76
1	COL	C2B	1	Main Bar	20	15.00	352.76
1	COL	C3	2	Main Bar	22	15.00	776.07
1	COL	C4	1	Main Bar	12	15.00	211.66
1	RB	B15	1	Main Bar	6	20.75	146.40
1	RB	B15	1	Lap	6	3.28	23.14
1	RB	B15	1	Extra	2	6.83	16.06
1	RB	B17	1	Main Bar	10	56.00	658.49
1	RB	B17	1	Lap	30	3.28	115.71
1	RB	B17	1	Extra	4	21.25	99.95
1	RB	B17	1	Extra	20	3.28	77.16
1	RB	B8A	1	Main Bar	6	68.00	479.75
1	RB	B8A	1	Main Bar	20	4.10	96.42
1	RB	B8A	1	Lap	6	2.62	18.48
<b>Sub-total:</b>							<b>3,777.57</b>
Total:							25,000.48

**Item 03G2 Re-bar Grade 60-6th Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	LAP	1	Lap	303	2.00	114.01
1	SLB	SA	1	Main Bar	197	38.00	1,408.41
1	SLB	SB	1	Main Bar	65	35.00	428.02
1	SLB	SC	1	Main Bar	44	24.75	204.88
1	SLB	SD	1	Main Bar	64	15.50	186.63
1	SLB	SD	1	Main Bar	69	19.83	257.42
1	SLB	SE	1	Main Bar	114	27.00	579.09
1	SLB	SF	1	Main Bar	143	30.00	807.12
1	SLB	SG	1	Main Bar	137	30.00	773.25
<b>Sub-total:</b>							<b>4,758.84</b>

Bar Dia (mm):12

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	CHA	1	Extra	1600	4.00	1,733.89
1	SLB	DT	12	Extra	15	8.00	390.12
1	SLB	DT	20	Extra	10	8.00	433.47
1	SLB	LAP	1	Lap	380	2.50	257.37
1	SLB	SA	1	Main Bar	57	36.50	563.65
1	SLB	SA	1	Extra	195	16.00	845.27
1	SLB	SB	1	Extra	204	11.50	635.58
1	SLB	SB	1	Main Bar	73	27.50	543.87
1	SLB	SC	1	Main Bar	56	14.00	212.40
1	SLB	SC	1	Extra	100	10.57	286.36
1	SLB	SD	1	Extra	68	10.00	184.23
1	SLB	SE	1	Extra	116	12.00	377.12



**Estimate for Superstructure**

**Item 03G2 Re-bar Grade 60-6th Floor**

Bar Dia (mm):12

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	SF	1	Extra	168	15.00	682.72
1	SLB	SG	1	Extra	190	13.00	669.17
<b>Sub-total:</b>							<b>7,815.23</b>

Bar Dia (mm):16

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	SD	1	Main Bar	50	24.00	577.96
<b>Sub-total:</b>							<b>577.96</b>
Total:							13,152.03

**Item 03H1 Re-bar Grade 72-7th Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1	2	Stirrup	37	34.00	473.36
1	COL	C1A	1	Stirrup	38	34.00	243.08
1	COL	C1B	1	Stirrup	38	50.00	357.46
1	COL	C1C	1	Stirrup	38	50.00	357.46
1	COL	C2	1	Stirrup	38	50.00	357.46
1	COL	C2A	1	Stirrup	38	50.00	357.46
1	COL	C2B	1	Stirrup	38	50.00	357.46
1	COL	C3	2	Stirrup	38	54.00	772.12
1	COL	C4	1	Stirrup	38	33.00	235.93
1	COL	C5	3	Stirrup	38	32.00	686.33
1	COL	C5A	1	Stirrup	38	32.00	228.78
1	RB	B01	1	Stirrup	138	5.75	149.29
1	RB	B02	1	Stirrup	116	5.25	114.58
1	RB	B03A	1	Stirrup	148	5.25	146.18
1	RB	B04	1	Stirrup	279	5.75	301.82
1	RB	B04A	1	Stirrup	279	5.75	301.82
1	RB	B05	1	Stirrup	70	3.75	49.39
1	RB	B06	1	Stirrup	70	3.75	49.39
1	RB	B07	1	Stirrup	97	5.25	95.81
1	RB	B10	1	Stirrup	35	5.00	32.92
1	RB	B11	1	Stirrup	52	5.33	52.14
1	RB	B12	1	Stirrup	45	5.50	46.56
1	RB	B13	1	Stirrup	45	5.50	46.56
1	RB	B14	1	Stirrup	52	5.50	53.81
1	RB	B15	1	Stirrup	55	5.50	56.91
1	RB	B16	1	Stirrup	60	5.50	62.09
1	RB	B16A	1	Stirrup	97	5.50	100.37
1	RB	B17	1	Stirrup	151	5.50	156.25
1	RB	B18	1	Stirrup	20	5.50	20.70
1	RB	B20	1	Stirrup	73	5.50	75.54
1	RB	B21	1	Stirrup	215	5.50	222.47
1	RB	B8A	1	Stirrup	106	6.25	124.64
1	STR	STR	2	Main Bar	50	12.00	225.77



**Estimate for Superstructure**

**Item 03H1 Re-bar Grade 72-7th Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SW1	SW1	1	Extra	25	5.00	23.52

**Sub-total: 6,935.44**

Bar Dia (mm):12

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	STR	STR	2	Main Bar	18	40.00	390.12
1	STR	STR	2	Main Bar	17	15.00	138.17
1	SW1	SW1	1	Main Bar	16	13.00	56.35
1	SW1	SW1	1	Stirrup	38	31.00	319.14
1	SW2	SW2	1	Main Bar	48	13.00	169.05
1	SW2	SW2	1	Extra	254	5.00	344.07
1	SW2	SW2	1	Stirrup	38	190.00	1,956.04
1	SW3	SW3	1	Main Bar	68	13.00	239.49
1	SW3	SW3	1	Stirrup	38	121.00	1,245.69
1	SW3	SW3	1	Extra	175	5.00	237.06

**Sub-total: 5,095.19**

Bar Dia (mm):16

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C5	3	Main Bar	8	13.00	150.27
1	COL	C5A	1	Main Bar	8	13.00	50.09
1	SW2	SW2	1	Main Bar	104	13.00	651.17
1	SW3	SW3	1	Main Bar	32	13.00	200.36

**Sub-total: 1,051.89**

Bar Dia (mm):20

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1A	1	Main Bar	24	13.00	234.80
1	COL	C1B	1	Main Bar	24	13.00	234.80
1	COL	C1C	1	Main Bar	24	13.00	234.80
1	COL	C2	1	Main Bar	8	13.00	78.27
1	COL	C2A	1	Main Bar	8	13.00	78.27
1	COL	C2B	1	Main Bar	8	13.00	78.27
1	COL	C3	2	Main Bar	8	13.00	156.53
1	COL	C4	1	Main Bar	16	13.00	156.53
1	COL	C5	3	Main Bar	12	13.00	352.20
1	COL	C5A	1	Main Bar	12	13.00	117.40
1	RB	B01	1	Main Bar	6	52.00	234.80
1	RB	B01	1	Extra	4	37.50	112.88
1	RB	B01	1	Lap	12	2.62	23.66
1	RB	B01	1	Extra	9	3.28	22.22
1	RB	B02	1	Main Bar	6	43.00	194.16
1	RB	B02	1	Lap	6	2.62	11.83
1	RB	B02	1	Extra	4	34.50	103.85
1	RB	B03A	1	Main Bar	5	58.00	218.24
1	RB	B03A	1	Lap	10	2.62	19.72
1	RB	B03A	1	Extra	12	3.28	29.63



**Estimate for Superstructure**

**Item 03H1 Re-bar Grade 72-7th Floor**

Bar Dia (mm):20

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	RB	B03A	1	Extra	4	123.00	370.26
1	RB	B04	1	Main Bar	7	104.00	547.86
1	RB	B04	1	Extra	6	64.00	288.98
1	RB	B04	1	Extra	11	3.28	27.16
1	RB	B04	1	Lap	28	2.62	55.21
1	RB	B04A	1	Main Bar	7	115.50	608.44
1	RB	B04A	1	Extra	4	84.50	254.36
1	RB	B05	1	Main Bar	4	57.00	171.58
1	RB	B05	1	Lap	8	2.62	15.77
1	RB	B05	1	Extra	8	3.28	19.75
1	RB	B06	1	Main Bar	8	33.00	198.67
1	RB	B06	1	Lap	8	2.62	15.77
1	RB	B06	1	Extra	8	3.28	19.75
1	RB	B07	1	Main Bar	4	78.15	235.25
1	RB	B07	1	Lap	14	2.62	27.60
1	RB	B07	1	Main Bar	18	3.28	44.44
1	RB	B07	1	Extra	4	78.15	235.25
1	RB	B10	1	Lap	6	2.62	11.83
1	RB	B10	1	Extra	16	3.28	39.49
1	RB	B10	1	Extra	2	8.00	12.04
1	RB	B10	1	Main Bar	6	14.50	65.47
1	RB	B11	1	Main Bar	7	19.50	102.72
1	RB	B11	1	Extra	16	3.28	39.51
1	RB	B11	1	Lap	7	2.62	13.80
1	RB	B11	1	Extra	4	6.75	20.32
1	RB	B12	1	Main Bar	6	16.50	74.50
1	RB	B12	1	Extra	4	16.00	48.16
1	RB	B12	1	Extra	16	3.28	39.51
1	RB	B12	1	Lap	6	2.62	11.83
1	RB	B13	1	Main Bar	7	17.00	89.55
1	RB	B13	1	Extra	2	6.25	9.41
1	RB	B13	1	Main Bar	7	2.62	13.80
1	RB	B14	1	Main Bar	4	37.50	112.88
1	RB	B14	1	Extra	19	3.28	46.91
1	RB	B14	1	Lap	6	2.62	11.83
1	RB	B16	1	Main Bar	8	20.67	124.44
1	RB	B16	1	Extra	19	3.28	46.91
1	RB	B16	1	Lap	8	2.62	15.77
1	RB	B16A	1	Main Bar	7	36.00	189.64
1	RB	B16A	1	Main Bar	7	2.62	13.80
1	RB	B18	1	Main Bar	6	7.50	33.87
1	RB	B20	1	Main Bar	6	26.83	121.15
1	RB	B20	1	Lap	6	2.62	11.83
1	RB	B20	1	Extra	2	31.00	46.66





**Estimate for Superstructure**

**Item 03H1 Re-bar Grade 72-7th Floor**

Bar Dia (mm):20

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	RB	B21	1	Main Bar	7	79.33	417.90
1	RB	B21	1	Extra	4	75.00	225.77
1	RB	B21	1	Lap	14	2.62	27.60
1	SW1	SW1	1	Main Bar	12	13.00	117.40
<b>Sub-total:</b>							<b>7,985.29</b>

Bar Dia (mm):25

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1	2	Main Bar	24	13.00	733.74
1	COL	C2	1	Main Bar	12	13.00	183.44
1	COL	C2A	1	Main Bar	12	13.00	183.44
1	COL	C2B	1	Main Bar	12	13.00	183.44
1	COL	C3	2	Main Bar	12	13.00	366.87
1	COL	C4	1	Main Bar	4	13.00	61.15
1	RB	B15	1	Main Bar	6	20.75	146.40
1	RB	B15	1	Lap	6	3.28	23.14
1	RB	B15	1	Extra	2	6.83	16.06
1	RB	B17	1	Main Bar	10	56.00	658.49
1	RB	B17	1	Extra	4	21.25	99.95
1	RB	B17	1	Lap	30	3.28	115.71
1	RB	B17	1	Extra	20	3.28	77.16
1	RB	B8A	1	Main Bar	6	68.00	479.75
1	RB	B8A	1	Lap	6	2.62	18.48
1	RB	B8A	1	Main Bar	20	4.10	96.42
<b>Sub-total:</b>							<b>3,443.63</b>
Total:							24,511.45

**Item 03H2 Re-bar Grade 60-7th Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	LAP	1	Lap	303	2.00	114.01
1	SLB	SA	1	Main Bar	197	38.00	1,408.41
1	SLB	SB	1	Main Bar	65	35.00	428.02
1	SLB	SC	1	Main Bar	44	24.75	204.88
1	SLB	SD	1	Main Bar	64	15.50	186.63
1	SLB	SD	1	Main Bar	69	19.83	257.42
1	SLB	SE	1	Main Bar	114	27.00	579.09
1	SLB	SF	1	Main Bar	143	30.00	807.12
1	SLB	SG	1	Main Bar	137	30.00	773.25
<b>Sub-total:</b>							<b>4,758.84</b>

Bar Dia (mm):12

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	CHA	1	Extra	1600	4.00	1,733.89
1	SLB	DT	12	Extra	15	8.00	390.12
1	SLB	DT	20	Extra	10	8.00	433.47
1	SLB	LAP	1	Lap	380	2.50	257.37



**Estimate for Superstructure**

**Item 03H2 Re-bar Grade 60-7th Floor**

Bar Dia (mm):12

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	SA	1	Main Bar	57	36.50	563.65
1	SLB	SA	1	Extra	195	16.00	845.27
1	SLB	SB	1	Extra	204	11.50	635.58
1	SLB	SB	1	Main Bar	73	27.50	543.87
1	SLB	SC	1	Main Bar	56	14.00	212.40
1	SLB	SC	1	Extra	100	10.57	286.36
1	SLB	SD	1	Extra	68	10.00	184.23
1	SLB	SE	1	Extra	116	12.00	377.12
1	SLB	SF	1	Extra	168	15.00	682.72
1	SLB	SG	1	Extra	190	13.00	669.17
<b>Sub-total:</b>							<b>7,815.23</b>

Bar Dia (mm):16

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	SD	1	Main Bar	50	24.00	577.96
<b>Sub-total:</b>							<b>577.96</b>
Total:							13,152.03

**Item 03J1 Re-bar Grade 72-8th Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1	2	Stirrup	37	34.00	473.36
1	COL	C1A	1	Stirrup	38	34.00	243.08
1	COL	C1B	1	Stirrup	38	50.00	357.46
1	COL	C1C	1	Stirrup	38	50.00	357.46
1	COL	C2	1	Stirrup	38	50.00	357.46
1	COL	C2A	1	Stirrup	38	50.00	357.46
1	COL	C2B	1	Stirrup	38	50.00	357.46
1	COL	C3	2	Stirrup	38	54.00	772.12
1	COL	C4	1	Stirrup	38	33.00	235.93
1	COL	C5	3	Stirrup	38	32.00	686.33
1	COL	C5A	1	Stirrup	38	32.00	228.78
1	RB	B01	1	Stirrup	138	5.75	149.29
1	RB	B02	1	Stirrup	116	5.25	114.58
1	RB	B03A	1	Stirrup	148	5.25	146.18
1	RB	B04	1	Stirrup	279	5.75	301.82
1	RB	B04A	1	Stirrup	279	5.75	301.82
1	RB	B05	1	Stirrup	70	3.75	49.39
1	RB	B06	1	Stirrup	70	3.75	49.39
1	RB	B07	1	Stirrup	97	5.25	95.81
1	RB	B10	1	Stirrup	35	5.00	32.92
1	RB	B11	1	Stirrup	52	5.33	52.14
1	RB	B12	1	Stirrup	45	5.50	46.56
1	RB	B13	1	Stirrup	45	5.50	46.56
1	RB	B14	1	Stirrup	52	5.50	53.81
1	RB	B15	1	Stirrup	55	5.50	56.91



**Estimate for Superstructure**

**Item 03J1 Re-bar Grade 72-8th Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	RB	B16	1	Stirrup	60	5.50	62.09
1	RB	B16A	1	Stirrup	97	5.50	100.37
1	RB	B17	1	Stirrup	151	5.50	156.25
1	RB	B18	1	Stirrup	20	5.50	20.70
1	RB	B20	1	Stirrup	73	5.50	75.54
1	RB	B21	1	Stirrup	215	5.50	222.47
1	RB	B8A	1	Stirrup	106	6.25	124.64
1	STR	STR	2	Main Bar	50	12.00	225.77
1	SW1	SW1	1	Extra	25	5.00	23.52
<b>Sub-total:</b>							<b>6,935.44</b>

Bar Dia (mm):12

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	STR	STR	2	Main Bar	18	40.00	390.12
1	STR	STR	2	Main Bar	17	15.00	138.17
1	SW1	SW1	1	Main Bar	16	13.00	56.35
1	SW1	SW1	1	Stirrup	38	31.00	319.14
1	SW2	SW2	1	Main Bar	48	13.00	169.05
1	SW2	SW2	1	Extra	254	5.00	344.07
1	SW2	SW2	1	Stirrup	38	190.00	1,956.04
1	SW3	SW3	1	Main Bar	68	13.00	239.49
1	SW3	SW3	1	Stirrup	38	121.00	1,245.69
1	SW3	SW3	1	Extra	175	5.00	237.06
<b>Sub-total:</b>							<b>5,095.19</b>

Bar Dia (mm):16

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C5	3	Main Bar	8	13.00	150.27
1	COL	C5A	1	Main Bar	8	13.00	50.09
1	SW2	SW2	1	Main Bar	104	13.00	651.17
1	SW3	SW3	1	Main Bar	32	13.00	200.36
<b>Sub-total:</b>							<b>1,051.89</b>

Bar Dia (mm):20

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1A	1	Main Bar	24	13.00	234.80
1	COL	C1B	1	Main Bar	24	13.00	234.80
1	COL	C1C	1	Main Bar	24	13.00	234.80
1	COL	C2	1	Main Bar	8	13.00	78.27
1	COL	C2A	1	Main Bar	8	13.00	78.27
1	COL	C2B	1	Main Bar	8	13.00	78.27
1	COL	C3	2	Main Bar	8	13.00	156.53
1	COL	C4	1	Main Bar	16	13.00	156.53
1	COL	C5	3	Main Bar	12	13.00	352.20
1	COL	C5A	1	Main Bar	12	13.00	117.40
1	RB	B01	1	Main Bar	6	52.00	234.80
1	RB	B01	1	Extra	9	3.28	22.22



**Estimate for Superstructure**

**Item 03J1 Re-bar Grade 72-8th Floor**

**Bar Dia (mm):20**

<i>Floor</i>	<i>Member Id</i>	<i>Type Id</i>	<i>Total Typ</i>	<i>Bar Type</i>	<i>Total Bar</i>	<i>Length (ft)</i>	<i>Weighjt (Kg)</i>
1	RB	B01	1	Lap	12	2.62	23.66
1	RB	B01	1	Extra	4	37.50	112.88
1	RB	B02	1	Main Bar	6	43.00	194.16
1	RB	B02	1	Lap	6	2.62	11.83
1	RB	B02	1	Extra	4	34.50	103.85
1	RB	B03A	1	Main Bar	5	58.00	218.24
1	RB	B03A	1	Extra	12	3.28	29.63
1	RB	B03A	1	Extra	4	123.00	370.26
1	RB	B03A	1	Lap	10	2.62	19.72
1	RB	B04	1	Main Bar	7	104.00	547.86
1	RB	B04	1	Extra	6	64.00	288.98
1	RB	B04	1	Lap	28	2.62	55.21
1	RB	B04	1	Extra	11	3.28	27.16
1	RB	B04A	1	Main Bar	7	115.50	608.44
1	RB	B04A	1	Extra	4	84.50	254.36
1	RB	B05	1	Main Bar	4	57.00	171.58
1	RB	B05	1	Extra	8	3.28	19.75
1	RB	B05	1	Lap	8	2.62	15.77
1	RB	B06	1	Main Bar	8	33.00	198.67
1	RB	B06	1	Lap	8	2.62	15.77
1	RB	B06	1	Extra	8	3.28	19.75
1	RB	B07	1	Main Bar	4	78.15	235.25
1	RB	B07	1	Main Bar	18	3.28	44.44
1	RB	B07	1	Lap	14	2.62	27.60
1	RB	B07	1	Extra	4	78.15	235.25
1	RB	B10	1	Lap	6	2.62	11.83
1	RB	B10	1	Main Bar	6	14.50	65.47
1	RB	B10	1	Extra	2	8.00	12.04
1	RB	B10	1	Extra	16	3.28	39.49
1	RB	B11	1	Main Bar	7	19.50	102.72
1	RB	B11	1	Lap	7	2.62	13.80
1	RB	B11	1	Extra	16	3.28	39.51
1	RB	B11	1	Extra	4	6.75	20.32
1	RB	B12	1	Main Bar	6	16.50	74.50
1	RB	B12	1	Lap	6	2.62	11.83
1	RB	B12	1	Extra	16	3.28	39.51
1	RB	B12	1	Extra	4	16.00	48.16
1	RB	B13	1	Main Bar	7	17.00	89.55
1	RB	B13	1	Extra	2	6.25	9.41
1	RB	B13	1	Main Bar	7	2.62	13.80
1	RB	B14	1	Main Bar	4	37.50	112.88
1	RB	B14	1	Lap	6	2.62	11.83
1	RB	B14	1	Extra	19	3.28	46.91
1	RB	B16	1	Main Bar	8	20.67	124.44



**Estimate for Superstructure**

**Item 03J1 Re-bar Grade 72-8th Floor**

Bar Dia (mm):20

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	RB	B16	1	Extra	19	3.28	46.91
1	RB	B16	1	Lap	8	2.62	15.77
1	RB	B16A	1	Main Bar	7	36.00	189.64
1	RB	B16A	1	Main Bar	7	2.62	13.80
1	RB	B18	1	Main Bar	6	7.50	33.87
1	RB	B20	1	Main Bar	6	26.83	121.15
1	RB	B20	1	Lap	6	2.62	11.83
1	RB	B20	1	Extra	2	31.00	46.66
1	RB	B21	1	Main Bar	7	79.33	417.90
1	RB	B21	1	Lap	14	2.62	27.60
1	RB	B21	1	Extra	4	75.00	225.77
1	SW1	SW1	1	Main Bar	12	13.00	117.40
<b>Sub-total:</b>							<b>7,985.29</b>

Bar Dia (mm):25

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1	2	Main Bar	24	13.00	733.74
1	COL	C2	1	Main Bar	12	13.00	183.44
1	COL	C2A	1	Main Bar	12	13.00	183.44
1	COL	C2B	1	Main Bar	12	13.00	183.44
1	COL	C3	2	Main Bar	12	13.00	366.87
1	COL	C4	1	Main Bar	4	13.00	61.15
1	RB	B15	1	Main Bar	6	20.75	146.40
1	RB	B15	1	Lap	6	3.28	23.14
1	RB	B15	1	Extra	2	6.83	16.06
1	RB	B17	1	Main Bar	10	56.00	658.49
1	RB	B17	1	Lap	30	3.28	115.71
1	RB	B17	1	Extra	4	21.25	99.95
1	RB	B17	1	Extra	20	3.28	77.16
1	RB	B8A	1	Main Bar	6	68.00	479.75
1	RB	B8A	1	Lap	6	2.62	18.48
1	RB	B8A	1	Main Bar	20	4.10	96.42
<b>Sub-total:</b>							<b>3,443.63</b>
Total:							24,511.45

**Item 03J2 Re-bar Grade 60-8th Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	LAP	1	Lap	303	2.00	114.01
1	SLB	SA	1	Main Bar	197	38.00	1,408.41
1	SLB	SB	1	Main Bar	65	35.00	428.02
1	SLB	SC	1	Main Bar	44	24.75	204.88
1	SLB	SD	1	Main Bar	64	15.50	186.63
1	SLB	SD	1	Main Bar	69	19.83	257.42
1	SLB	SE	1	Main Bar	114	27.00	579.09
1	SLB	SF	1	Main Bar	143	30.00	807.12



**Estimate for Superstructure**

**Item 03J2 Re-bar Grade 60-8th Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	SG	1	Main Bar	137	30.00	773.25
<b>Sub-total:</b>							<b>4,758.84</b>

Bar Dia (mm):12

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	CHA	1	Extra	1600	4.00	1,733.89
1	SLB	DT	12	Extra	15	8.00	390.12
1	SLB	DT	20	Extra	10	8.00	433.47
1	SLB	LAP	1	Lap	380	2.50	257.37
1	SLB	SA	1	Main Bar	57	36.50	563.65
1	SLB	SA	1	Extra	195	16.00	845.27
1	SLB	SB	1	Extra	204	11.50	635.58
1	SLB	SB	1	Main Bar	73	27.50	543.87
1	SLB	SC	1	Main Bar	56	14.00	212.40
1	SLB	SC	1	Extra	100	10.57	286.36
1	SLB	SD	1	Extra	68	10.00	184.23
1	SLB	SE	1	Extra	116	12.00	377.12
1	SLB	SF	1	Extra	168	15.00	682.72
1	SLB	SG	1	Extra	190	13.00	669.17
<b>Sub-total:</b>							<b>7,815.23</b>

Bar Dia (mm):16

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	SD	1	Main Bar	50	24.00	577.96
<b>Sub-total:</b>							<b>577.96</b>
Total:							13,152.03

**Item 03K1 Re-bar Grade 72-9th Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1	2	Stirrup	37	34.00	473.36
1	COL	C1A	1	Stirrup	38	34.00	243.08
1	COL	C1B	1	Stirrup	38	50.00	357.46
1	COL	C1C	1	Stirrup	38	50.00	357.46
1	COL	C2	1	Stirrup	38	50.00	357.46
1	COL	C2A	1	Stirrup	38	50.00	357.46
1	COL	C2B	1	Stirrup	38	50.00	357.46
1	COL	C3	2	Stirrup	38	54.00	772.12
1	COL	C4	1	Stirrup	38	33.00	235.93
1	COL	C5	3	Stirrup	38	32.00	686.33
1	COL	C5A	1	Stirrup	38	32.00	228.78
1	RB	B01	1	Stirrup	138	5.75	149.29
1	RB	B02	1	Stirrup	116	5.25	114.58
1	RB	B03A	1	Stirrup	148	5.25	146.18
1	RB	B04	1	Stirrup	279	5.75	301.82
1	RB	B04A	1	Stirrup	279	5.75	301.82
1	RB	B05	1	Stirrup	70	3.75	49.39



**Estimate for Superstructure**

**Item 03K1 Re-bar Grade 72-9th Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	RB	B06	1	Stirrup	70	3.75	49.39
1	RB	B07	1	Stirrup	97	5.25	95.81
1	RB	B10	1	Stirrup	35	5.00	32.92
1	RB	B11	1	Stirrup	52	5.33	52.14
1	RB	B12	1	Stirrup	45	5.50	46.56
1	RB	B13	1	Stirrup	45	5.50	46.56
1	RB	B14	1	Stirrup	52	5.50	53.81
1	RB	B15	1	Stirrup	55	5.50	56.91
1	RB	B16	1	Stirrup	60	5.50	62.09
1	RB	B16A	1	Stirrup	97	5.50	100.37
1	RB	B17	1	Stirrup	151	5.50	156.25
1	RB	B18	1	Stirrup	20	5.50	20.70
1	RB	B20	1	Stirrup	73	5.50	75.54
1	RB	B21	1	Stirrup	215	5.50	222.47
1	RB	B8A	1	Stirrup	106	6.25	124.64
1	STR	STR	2	Main Bar	50	12.00	225.77
1	SW1	SW1	1	Extra	25	5.00	23.52
<b>Sub-total:</b>							<b>6,935.44</b>

Bar Dia (mm):12

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	STR	STR	2	Main Bar	18	40.00	390.12
1	STR	STR	2	Main Bar	17	15.00	138.17
1	SW1	SW1	1	Main Bar	16	13.00	56.35
1	SW1	SW1	1	Stirrup	38	31.00	319.14
1	SW2	SW2	1	Main Bar	48	13.00	169.05
1	SW2	SW2	1	Stirrup	38	190.00	1,956.04
1	SW2	SW2	1	Extra	254	5.00	344.07
1	SW3	SW3	1	Main Bar	68	13.00	239.49
1	SW3	SW3	1	Extra	175	5.00	237.06
1	SW3	SW3	1	Stirrup	38	121.00	1,245.69
<b>Sub-total:</b>							<b>5,095.19</b>

Bar Dia (mm):16

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C5	3	Main Bar	8	13.00	150.27
1	COL	C5A	1	Main Bar	8	13.00	50.09
1	SW2	SW2	1	Main Bar	104	13.00	651.17
1	SW3	SW3	1	Main Bar	32	13.00	200.36
<b>Sub-total:</b>							<b>1,051.89</b>

Bar Dia (mm):20

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1A	1	Main Bar	24	13.00	234.80
1	COL	C1B	1	Main Bar	24	13.00	234.80
1	COL	C1C	1	Main Bar	24	13.00	234.80
1	COL	C2	1	Main Bar	8	13.00	78.27



**Estimate for Superstructure**

**Item 03K1 Re-bar Grade 72-9th Floor**

Bar Dia (mm):20

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C2A	1	Main Bar	8	13.00	78.27
1	COL	C2B	1	Main Bar	8	13.00	78.27
1	COL	C3	2	Main Bar	8	13.00	156.53
1	COL	C4	1	Main Bar	16	13.00	156.53
1	COL	C5	3	Main Bar	12	13.00	352.20
1	COL	C5A	1	Main Bar	12	13.00	117.40
1	RB	B01	1	Main Bar	6	52.00	234.80
1	RB	B01	1	Extra	9	3.28	22.22
1	RB	B01	1	Lap	12	2.62	23.66
1	RB	B01	1	Extra	4	37.50	112.88
1	RB	B02	1	Main Bar	6	43.00	194.16
1	RB	B02	1	Extra	4	34.50	103.85
1	RB	B02	1	Lap	6	2.62	11.83
1	RB	B03A	1	Main Bar	5	58.00	218.24
1	RB	B03A	1	Extra	12	3.28	29.63
1	RB	B03A	1	Extra	4	123.00	370.26
1	RB	B03A	1	Lap	10	2.62	19.72
1	RB	B04	1	Main Bar	7	104.00	547.86
1	RB	B04	1	Extra	6	64.00	288.98
1	RB	B04	1	Extra	11	3.28	27.16
1	RB	B04	1	Lap	28	2.62	55.21
1	RB	B04A	1	Main Bar	7	115.50	608.44
1	RB	B04A	1	Extra	4	84.50	254.36
1	RB	B05	1	Main Bar	4	57.00	171.58
1	RB	B05	1	Extra	8	3.28	19.75
1	RB	B05	1	Lap	8	2.62	15.77
1	RB	B06	1	Main Bar	8	33.00	198.67
1	RB	B06	1	Extra	8	3.28	19.75
1	RB	B06	1	Lap	8	2.62	15.77
1	RB	B07	1	Main Bar	4	78.15	235.25
1	RB	B07	1	Main Bar	18	3.28	44.44
1	RB	B07	1	Lap	14	2.62	27.60
1	RB	B07	1	Extra	4	78.15	235.25
1	RB	B10	1	Lap	6	2.62	11.83
1	RB	B10	1	Main Bar	6	14.50	65.47
1	RB	B10	1	Extra	16	3.28	39.49
1	RB	B10	1	Extra	2	8.00	12.04
1	RB	B11	1	Main Bar	7	19.50	102.72
1	RB	B11	1	Lap	7	2.62	13.80
1	RB	B11	1	Extra	16	3.28	39.51
1	RB	B11	1	Extra	4	6.75	20.32
1	RB	B12	1	Main Bar	6	16.50	74.50
1	RB	B12	1	Lap	6	2.62	11.83
1	RB	B12	1	Extra	4	16.00	48.16





**Estimate for Superstructure**

**Item 03K1 Re-bar Grade 72-9th Floor**

Bar Dia (mm):20

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	RB	B12	1	Extra	16	3.28	39.51
1	RB	B13	1	Main Bar	7	17.00	89.55
1	RB	B13	1	Extra	2	6.25	9.41
1	RB	B13	1	Main Bar	7	2.62	13.80
1	RB	B14	1	Main Bar	4	37.50	112.88
1	RB	B14	1	Extra	19	3.28	46.91
1	RB	B14	1	Lap	6	2.62	11.83
1	RB	B16	1	Main Bar	8	20.67	124.44
1	RB	B16	1	Extra	19	3.28	46.91
1	RB	B16	1	Lap	8	2.62	15.77
1	RB	B16A	1	Main Bar	7	36.00	189.64
1	RB	B16A	1	Main Bar	7	2.62	13.80
1	RB	B18	1	Main Bar	6	7.50	33.87
1	RB	B20	1	Main Bar	6	26.83	121.15
1	RB	B20	1	Extra	2	31.00	46.66
1	RB	B20	1	Lap	6	2.62	11.83
1	RB	B21	1	Main Bar	7	79.33	417.90
1	RB	B21	1	Lap	14	2.62	27.60
1	RB	B21	1	Extra	4	75.00	225.77
1	SW1	SW1	1	Main Bar	12	13.00	117.40
<b>Sub-total:</b>							<b>7,985.29</b>

Bar Dia (mm):25

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1	2	Main Bar	24	13.00	733.74
1	COL	C2	1	Main Bar	12	13.00	183.44
1	COL	C2A	1	Main Bar	12	13.00	183.44
1	COL	C2B	1	Main Bar	12	13.00	183.44
1	COL	C3	2	Main Bar	12	13.00	366.87
1	COL	C4	1	Main Bar	4	13.00	61.15
1	RB	B15	1	Main Bar	6	20.75	146.40
1	RB	B15	1	Lap	6	3.28	23.14
1	RB	B15	1	Extra	2	6.83	16.06
1	RB	B17	1	Main Bar	10	56.00	658.49
1	RB	B17	1	Extra	4	21.25	99.95
1	RB	B17	1	Lap	30	3.28	115.71
1	RB	B17	1	Extra	20	3.28	77.16
1	RB	B8A	1	Main Bar	6	68.00	479.75
1	RB	B8A	1	Lap	6	2.62	18.48
1	RB	B8A	1	Main Bar	20	4.10	96.42
<b>Sub-total:</b>							<b>3,443.63</b>
Total:							24,511.45

**Item 03K2 Re-bar Grade 60-9th Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
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**Estimate for Superstructure**

**Item 03K2 Re-bar Grade 60-9th Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	LAP	1	Lap	303	2.00	114.01
1	SLB	SA	1	Main Bar	197	38.00	1,408.41
1	SLB	SB	1	Main Bar	65	35.00	428.02
1	SLB	SC	1	Main Bar	44	24.75	204.88
1	SLB	SD	1	Main Bar	64	15.50	186.63
1	SLB	SD	1	Main Bar	69	19.83	257.42
1	SLB	SE	1	Main Bar	114	27.00	579.09
1	SLB	SF	1	Main Bar	143	30.00	807.12
1	SLB	SG	1	Main Bar	137	30.00	773.25
<b>Sub-total:</b>							<b>4,758.84</b>

Bar Dia (mm):12

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	CHA	1	Extra	1600	4.00	1,733.89
1	SLB	DT	12	Extra	15	8.00	390.12
1	SLB	DT	20	Extra	10	8.00	433.47
1	SLB	LAP	1	Lap	380	2.50	257.37
1	SLB	SA	1	Main Bar	57	36.50	563.65
1	SLB	SA	1	Extra	195	16.00	845.27
1	SLB	SB	1	Extra	204	11.50	635.58
1	SLB	SB	1	Main Bar	73	27.50	543.87
1	SLB	SC	1	Main Bar	56	14.00	212.40
1	SLB	SC	1	Extra	100	10.57	286.36
1	SLB	SD	1	Extra	68	10.00	184.23
1	SLB	SE	1	Extra	116	12.00	377.12
1	SLB	SF	1	Extra	168	15.00	682.72
1	SLB	SG	1	Extra	190	13.00	669.17
<b>Sub-total:</b>							<b>7,815.23</b>

Bar Dia (mm):16

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	SD	1	Main Bar	50	24.00	577.96
<b>Sub-total:</b>							<b>577.96</b>
Total:							13,152.03

**Item 03L1 Re-bar Grade 72-10th Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1	2	Stirrup	37	34.00	473.36
1	COL	C1A	1	Stirrup	38	34.00	243.08
1	COL	C1B	1	Stirrup	38	50.00	357.46
1	COL	C1C	1	Stirrup	38	50.00	357.46
1	COL	C2	1	Stirrup	38	50.00	357.46
1	COL	C2A	1	Stirrup	38	50.00	357.46
1	COL	C2B	1	Stirrup	38	50.00	357.46
1	COL	C3	2	Stirrup	38	54.00	772.12
1	COL	C4	1	Stirrup	38	33.00	235.93



**Estimate for Superstructure**

**Item 03L1 Re-bar Grade 72-10th Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C5	3	Stirrup	38	32.00	686.33
1	COL	C5A	1	Stirrup	38	32.00	228.78
1	RB	B01	1	Stirrup	138	5.75	149.29
1	RB	B02	1	Stirrup	116	5.25	114.58
1	RB	B03A	1	Stirrup	148	5.25	146.18
1	RB	B04	1	Stirrup	279	5.75	301.82
1	RB	B04A	1	Stirrup	279	5.75	301.82
1	RB	B05	1	Stirrup	70	3.75	49.39
1	RB	B06	1	Stirrup	70	3.75	49.39
1	RB	B07	1	Stirrup	97	5.25	95.81
1	RB	B10	1	Stirrup	35	5.00	32.92
1	RB	B11	1	Stirrup	52	5.33	52.14
1	RB	B12	1	Stirrup	45	5.50	46.56
1	RB	B13	1	Stirrup	45	5.50	46.56
1	RB	B14	1	Stirrup	52	5.50	53.81
1	RB	B15	1	Stirrup	55	5.50	56.91
1	RB	B16	1	Stirrup	60	5.50	62.09
1	RB	B16A	1	Stirrup	97	5.50	100.37
1	RB	B17	1	Stirrup	151	5.50	156.25
1	RB	B18	1	Stirrup	20	5.50	20.70
1	RB	B20	1	Stirrup	73	5.50	75.54
1	RB	B21	1	Stirrup	215	5.50	222.47
1	RB	B8A	1	Stirrup	106	6.25	124.64
1	STR	STR	2	Main Bar	50	12.00	225.77
1	SW1	SW1	1	Extra	25	5.00	23.52
<b>Sub-total:</b>							<b>6,935.44</b>

Bar Dia (mm):12

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	STR	STR	2	Main Bar	18	40.00	390.12
1	STR	STR	2	Main Bar	17	15.00	138.17
1	SW1	SW1	1	Main Bar	16	13.00	56.35
1	SW1	SW1	1	Stirrup	38	31.00	319.14
1	SW2	SW2	1	Main Bar	48	13.00	169.05
1	SW2	SW2	1	Extra	254	5.00	344.07
1	SW2	SW2	1	Stirrup	38	190.00	1,956.04
1	SW3	SW3	1	Main Bar	68	13.00	239.49
1	SW3	SW3	1	Stirrup	38	121.00	1,245.69
1	SW3	SW3	1	Extra	175	5.00	237.06
<b>Sub-total:</b>							<b>5,095.19</b>

Bar Dia (mm):16

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C5	3	Main Bar	8	13.00	150.27
1	COL	C5A	1	Main Bar	8	13.00	50.09
1	SW2	SW2	1	Main Bar	104	13.00	651.17



**Estimate for Superstructure**

**Item 03L1 Re-bar Grade 72-10th Floor**

Bar Dia (mm):16

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SW3	SW3	1	Main Bar	32	13.00	200.36

**Sub-total: 1,051.89**

Bar Dia (mm):20

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1A	1	Main Bar	24	13.00	234.80
1	COL	C1B	1	Main Bar	24	13.00	234.80
1	COL	C1C	1	Main Bar	24	13.00	234.80
1	COL	C2	1	Main Bar	8	13.00	78.27
1	COL	C2A	1	Main Bar	8	13.00	78.27
1	COL	C2B	1	Main Bar	8	13.00	78.27
1	COL	C3	2	Main Bar	8	13.00	156.53
1	COL	C4	1	Main Bar	16	13.00	156.53
1	COL	C5	3	Main Bar	12	13.00	352.20
1	COL	C5A	1	Main Bar	12	13.00	117.40
1	RB	B01	1	Main Bar	6	52.00	234.80
1	RB	B01	1	Lap	12	2.62	23.66
1	RB	B01	1	Extra	9	3.28	22.22
1	RB	B01	1	Extra	4	37.50	112.88
1	RB	B02	1	Main Bar	6	43.00	194.16
1	RB	B02	1	Lap	6	2.62	11.83
1	RB	B02	1	Extra	4	34.50	103.85
1	RB	B03A	1	Main Bar	5	58.00	218.24
1	RB	B03A	1	Extra	12	3.28	29.63
1	RB	B03A	1	Lap	10	2.62	19.72
1	RB	B03A	1	Extra	4	123.00	370.26
1	RB	B04	1	Main Bar	7	104.00	547.86
1	RB	B04	1	Extra	11	3.28	27.16
1	RB	B04	1	Lap	28	2.62	55.21
1	RB	B04	1	Extra	6	64.00	288.98
1	RB	B04A	1	Main Bar	7	115.50	608.44
1	RB	B04A	1	Extra	4	84.50	254.36
1	RB	B05	1	Main Bar	4	57.00	171.58
1	RB	B05	1	Lap	8	2.62	15.77
1	RB	B05	1	Extra	8	3.28	19.75
1	RB	B06	1	Main Bar	8	33.00	198.67
1	RB	B06	1	Lap	8	2.62	15.77
1	RB	B06	1	Extra	8	3.28	19.75
1	RB	B07	1	Main Bar	4	78.15	235.25
1	RB	B07	1	Main Bar	18	3.28	44.44
1	RB	B07	1	Extra	4	78.15	235.25
1	RB	B07	1	Lap	14	2.62	27.60
1	RB	B10	1	Lap	6	2.62	11.83
1	RB	B10	1	Extra	16	3.28	39.49
1	RB	B10	1	Extra	2	8.00	12.04



**Estimate for Superstructure**

**Item 03L1 Re-bar Grade 72-10th Floor**

**Bar Dia (mm):20**

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	RB	B10	1	Main Bar	6	14.50	65.47
1	RB	B11	1	Main Bar	7	19.50	102.72
1	RB	B11	1	Lap	7	2.62	13.80
1	RB	B11	1	Extra	4	6.75	20.32
1	RB	B11	1	Extra	16	3.28	39.51
1	RB	B12	1	Main Bar	6	16.50	74.50
1	RB	B12	1	Extra	4	16.00	48.16
1	RB	B12	1	Extra	16	3.28	39.51
1	RB	B12	1	Lap	6	2.62	11.83
1	RB	B13	1	Main Bar	7	17.00	89.55
1	RB	B13	1	Main Bar	7	2.62	13.80
1	RB	B13	1	Extra	2	6.25	9.41
1	RB	B14	1	Main Bar	4	37.50	112.88
1	RB	B14	1	Extra	19	3.28	46.91
1	RB	B14	1	Lap	6	2.62	11.83
1	RB	B16	1	Main Bar	8	20.67	124.44
1	RB	B16	1	Lap	8	2.62	15.77
1	RB	B16	1	Extra	19	3.28	46.91
1	RB	B16A	1	Main Bar	7	36.00	189.64
1	RB	B16A	1	Main Bar	7	2.62	13.80
1	RB	B18	1	Main Bar	6	7.50	33.87
1	RB	B20	1	Main Bar	6	26.83	121.15
1	RB	B20	1	Lap	6	2.62	11.83
1	RB	B20	1	Extra	2	31.00	46.66
1	RB	B21	1	Main Bar	7	79.33	417.90
1	RB	B21	1	Extra	4	75.00	225.77
1	RB	B21	1	Lap	14	2.62	27.60
1	SW1	SW1	1	Main Bar	12	13.00	117.40
<b>Sub-total:</b>							<b>7,985.29</b>

**Bar Dia (mm):25**

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1	2	Main Bar	24	13.00	733.74
1	COL	C2	1	Main Bar	12	13.00	183.44
1	COL	C2A	1	Main Bar	12	13.00	183.44
1	COL	C2B	1	Main Bar	12	13.00	183.44
1	COL	C3	2	Main Bar	12	13.00	366.87
1	COL	C4	1	Main Bar	4	13.00	61.15
1	RB	B15	1	Main Bar	6	20.75	146.40
1	RB	B15	1	Lap	6	3.28	23.14
1	RB	B15	1	Extra	2	6.83	16.06
1	RB	B17	1	Main Bar	10	56.00	658.49
1	RB	B17	1	Extra	4	21.25	99.95
1	RB	B17	1	Lap	30	3.28	115.71
1	RB	B17	1	Extra	20	3.28	77.16



**Estimate for Superstructure**

**Item 03L1 Re-bar Grade 72-10th Floor**

Bar Dia (mm):25

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	RB	B8A	1	Main Bar	6	68.00	479.75
1	RB	B8A	1	Main Bar	20	4.10	96.42
1	RB	B8A	1	Lap	6	2.62	18.48
<b>Sub-total:</b>							<b>3,443.63</b>
Total:							24,511.45

**Item 03L2 Re-bar Grade 60-10th Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	LAP	1	Lap	303	2.00	114.01
1	SLB	SA	1	Main Bar	197	38.00	1,408.41
1	SLB	SB	1	Main Bar	65	35.00	428.02
1	SLB	SC	1	Main Bar	44	24.75	204.88
1	SLB	SD	1	Main Bar	64	15.50	186.63
1	SLB	SD	1	Main Bar	69	19.83	257.42
1	SLB	SE	1	Main Bar	114	27.00	579.09
1	SLB	SF	1	Main Bar	143	30.00	807.12
1	SLB	SG	1	Main Bar	137	30.00	773.25
<b>Sub-total:</b>							<b>4,758.84</b>

Bar Dia (mm):12

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	CHA	1	Extra	1600	4.00	1,733.89
1	SLB	DT	12	Extra	15	8.00	390.12
1	SLB	DT	20	Extra	10	8.00	433.47
1	SLB	LAP	1	Lap	380	2.50	257.37
1	SLB	SA	1	Main Bar	57	36.50	563.65
1	SLB	SA	1	Extra	195	16.00	845.27
1	SLB	SB	1	Extra	204	11.50	635.58
1	SLB	SB	1	Main Bar	73	27.50	543.87
1	SLB	SC	1	Main Bar	56	14.00	212.40
1	SLB	SC	1	Extra	100	10.57	286.36
1	SLB	SD	1	Extra	68	10.00	184.23
1	SLB	SE	1	Extra	116	12.00	377.12
1	SLB	SF	1	Extra	168	15.00	682.72
1	SLB	SG	1	Extra	190	13.00	669.17
<b>Sub-total:</b>							<b>7,815.23</b>

Bar Dia (mm):16

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	SD	1	Main Bar	50	24.00	577.96
<b>Sub-total:</b>							<b>577.96</b>
Total:							13,152.03

**Item 03M1 Re-bar Grade 72-11th Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1	2	Stirrup	37	34.00	473.36



**Estimate for Superstructure**

**Item 03M1 Re-bar Grade 72-11th Floor**

**Bar Dia (mm):10**

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1A	1	Stirrup	38	34.00	243.08
1	COL	C1B	1	Stirrup	38	50.00	357.46
1	COL	C1C	1	Stirrup	38	50.00	357.46
1	COL	C2	1	Stirrup	38	50.00	357.46
1	COL	C2A	1	Stirrup	38	50.00	357.46
1	COL	C2B	1	Stirrup	38	50.00	357.46
1	COL	C3	2	Stirrup	38	54.00	772.12
1	COL	C4	1	Stirrup	38	33.00	235.93
1	COL	C5	3	Stirrup	38	32.00	686.33
1	COL	C5A	1	Stirrup	38	32.00	228.78
1	RB	B01	1	Stirrup	138	5.75	149.29
1	RB	B02	1	Stirrup	116	5.25	114.58
1	RB	B03A	1	Stirrup	148	5.25	146.18
1	RB	B04	1	Stirrup	279	5.75	301.82
1	RB	B04A	1	Stirrup	279	5.75	301.82
1	RB	B05	1	Stirrup	70	3.75	49.39
1	RB	B06	1	Stirrup	70	3.75	49.39
1	RB	B07	1	Stirrup	97	5.25	95.81
1	RB	B10	1	Stirrup	35	5.00	32.92
1	RB	B11	1	Stirrup	52	5.33	52.14
1	RB	B12	1	Stirrup	45	5.50	46.56
1	RB	B13	1	Stirrup	45	5.50	46.56
1	RB	B14	1	Stirrup	52	5.50	53.81
1	RB	B15	1	Stirrup	55	5.50	56.91
1	RB	B16	1	Stirrup	60	5.50	62.09
1	RB	B16A	1	Stirrup	97	5.50	100.37
1	RB	B17	1	Stirrup	151	5.50	156.25
1	RB	B18	1	Stirrup	20	5.50	20.70
1	RB	B20	1	Stirrup	73	5.50	75.54
1	RB	B21	1	Stirrup	215	5.50	222.47
1	RB	B8A	1	Stirrup	106	6.25	124.64
1	STR	STR	2	Main Bar	50	12.00	225.77
1	SW1	SW1	1	Extra	25	5.00	23.52
<b>Sub-total:</b>							<b>6,935.44</b>

**Bar Dia (mm):12**

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	STR	STR	2	Main Bar	18	40.00	390.12
1	STR	STR	2	Main Bar	17	15.00	138.17
1	SW1	SW1	1	Main Bar	16	13.00	56.35
1	SW1	SW1	1	Stirrup	38	31.00	319.14
1	SW2	SW2	1	Main Bar	48	13.00	169.05
1	SW2	SW2	1	Extra	254	5.00	344.07
1	SW2	SW2	1	Stirrup	38	190.00	1,956.04
1	SW3	SW3	1	Main Bar	68	13.00	239.49



**Estimate for Superstructure**

**Item 03M1 Re-bar Grade 72-11th Floor**

Bar Dia (mm):12

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SW3	SW3	1	Stirrup	38	121.00	1,245.69
1	SW3	SW3	1	Extra	175	5.00	237.06
<b>Sub-total:</b>							<b>5,095.19</b>

Bar Dia (mm):16

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C5	3	Main Bar	8	13.00	150.27
1	COL	C5A	1	Main Bar	8	13.00	50.09
1	SW2	SW2	1	Main Bar	104	13.00	651.17
1	SW3	SW3	1	Main Bar	32	13.00	200.36
<b>Sub-total:</b>							<b>1,051.89</b>

Bar Dia (mm):20

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1A	1	Main Bar	24	13.00	234.80
1	COL	C1B	1	Main Bar	24	13.00	234.80
1	COL	C1C	1	Main Bar	24	13.00	234.80
1	COL	C2	1	Main Bar	8	13.00	78.27
1	COL	C2A	1	Main Bar	8	13.00	78.27
1	COL	C2B	1	Main Bar	8	13.00	78.27
1	COL	C3	2	Main Bar	8	13.00	156.53
1	COL	C4	1	Main Bar	16	13.00	156.53
1	COL	C5	3	Main Bar	12	13.00	352.20
1	COL	C5A	1	Main Bar	12	13.00	117.40
1	RB	B01	1	Main Bar	6	52.00	234.80
1	RB	B01	1	Lap	12	2.62	23.66
1	RB	B01	1	Extra	4	37.50	112.88
1	RB	B01	1	Extra	9	3.28	22.22
1	RB	B02	1	Main Bar	6	43.00	194.16
1	RB	B02	1	Extra	4	34.50	103.85
1	RB	B02	1	Lap	6	2.62	11.83
1	RB	B03A	1	Main Bar	5	58.00	218.24
1	RB	B03A	1	Extra	4	123.00	370.26
1	RB	B03A	1	Extra	12	3.28	29.63
1	RB	B03A	1	Lap	10	2.62	19.72
1	RB	B04	1	Main Bar	7	104.00	547.86
1	RB	B04	1	Lap	28	2.62	55.21
1	RB	B04	1	Extra	6	64.00	288.98
1	RB	B04	1	Extra	11	3.28	27.16
1	RB	B04A	1	Main Bar	7	115.50	608.44
1	RB	B04A	1	Extra	4	84.50	254.36
1	RB	B05	1	Main Bar	4	57.00	171.58
1	RB	B05	1	Lap	8	2.62	15.77
1	RB	B05	1	Extra	8	3.28	19.75
1	RB	B06	1	Main Bar	8	33.00	198.67
1	RB	B06	1	Extra	8	3.28	19.75





**Estimate for Superstructure**

**Item 03M1 Re-bar Grade 72-11th Floor**

Bar Dia (mm):20

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	RB	B06	1	Lap	8	2.62	15.77
1	RB	B07	1	Main Bar	4	78.15	235.25
1	RB	B07	1	Lap	14	2.62	27.60
1	RB	B07	1	Main Bar	18	3.28	44.44
1	RB	B07	1	Extra	4	78.15	235.25
1	RB	B10	1	Lap	6	2.62	11.83
1	RB	B10	1	Extra	2	8.00	12.04
1	RB	B10	1	Main Bar	6	14.50	65.47
1	RB	B10	1	Extra	16	3.28	39.49
1	RB	B11	1	Main Bar	7	19.50	102.72
1	RB	B11	1	Extra	16	3.28	39.51
1	RB	B11	1	Lap	7	2.62	13.80
1	RB	B11	1	Extra	4	6.75	20.32
1	RB	B12	1	Main Bar	6	16.50	74.50
1	RB	B12	1	Extra	16	3.28	39.51
1	RB	B12	1	Lap	6	2.62	11.83
1	RB	B12	1	Extra	4	16.00	48.16
1	RB	B13	1	Main Bar	7	17.00	89.55
1	RB	B13	1	Extra	2	6.25	9.41
1	RB	B13	1	Main Bar	7	2.62	13.80
1	RB	B14	1	Main Bar	4	37.50	112.88
1	RB	B14	1	Lap	6	2.62	11.83
1	RB	B14	1	Extra	19	3.28	46.91
1	RB	B16	1	Main Bar	8	20.67	124.44
1	RB	B16	1	Extra	19	3.28	46.91
1	RB	B16	1	Lap	8	2.62	15.77
1	RB	B16A	1	Main Bar	7	36.00	189.64
1	RB	B16A	1	Main Bar	7	2.62	13.80
1	RB	B18	1	Main Bar	6	7.50	33.87
1	RB	B20	1	Main Bar	6	26.83	121.15
1	RB	B20	1	Lap	6	2.62	11.83
1	RB	B20	1	Extra	2	31.00	46.66
1	RB	B21	1	Main Bar	7	79.33	417.90
1	RB	B21	1	Lap	14	2.62	27.60
1	RB	B21	1	Extra	4	75.00	225.77
1	SW1	SW1	1	Main Bar	12	13.00	117.40
						<b>Sub-total:</b>	<b>7,985.29</b>

Bar Dia (mm):25

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1	2	Main Bar	24	13.00	733.74
1	COL	C2	1	Main Bar	12	13.00	183.44
1	COL	C2A	1	Main Bar	12	13.00	183.44
1	COL	C2B	1	Main Bar	12	13.00	183.44
1	COL	C3	2	Main Bar	12	13.00	366.87



**Estimate for Superstructure**

**Item 03M1 Re-bar Grade 72-11th Floor**

Bar Dia (mm):25

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C4	1	Main Bar	4	13.00	61.15
1	RB	B15	1	Main Bar	6	20.75	146.40
1	RB	B15	1	Lap	6	3.28	23.14
1	RB	B15	1	Extra	2	6.83	16.06
1	RB	B17	1	Main Bar	10	56.00	658.49
1	RB	B17	1	Extra	4	21.25	99.95
1	RB	B17	1	Lap	30	3.28	115.71
1	RB	B17	1	Extra	20	3.28	77.16
1	RB	B8A	1	Main Bar	6	68.00	479.75
1	RB	B8A	1	Lap	6	2.62	18.48
1	RB	B8A	1	Main Bar	20	4.10	96.42
<b>Sub-total:</b>							<b>3,443.63</b>
Total:							24,511.45

**Item 03M2 Re-bar Grade 60-11th Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	LAP	1	Lap	303	2.00	114.01
1	SLB	SA	1	Main Bar	197	38.00	1,408.41
1	SLB	SB	1	Main Bar	65	35.00	428.02
1	SLB	SC	1	Main Bar	44	24.75	204.88
1	SLB	SD	1	Main Bar	64	15.50	186.63
1	SLB	SD	1	Main Bar	69	19.83	257.42
1	SLB	SE	1	Main Bar	114	27.00	579.09
1	SLB	SF	1	Main Bar	143	30.00	807.12
1	SLB	SG	1	Main Bar	137	30.00	773.25
<b>Sub-total:</b>							<b>4,758.84</b>

Bar Dia (mm):12

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	CHA	1	Extra	1600	4.00	1,733.89
1	SLB	DT	12	Extra	15	8.00	390.12
1	SLB	DT	20	Extra	10	8.00	433.47
1	SLB	LAP	1	Lap	380	2.50	257.37
1	SLB	SA	1	Main Bar	57	36.50	563.65
1	SLB	SA	1	Extra	195	16.00	845.27
1	SLB	SB	1	Extra	204	11.50	635.58
1	SLB	SB	1	Main Bar	73	27.50	543.87
1	SLB	SC	1	Main Bar	56	14.00	212.40
1	SLB	SC	1	Extra	100	10.57	286.36
1	SLB	SD	1	Extra	68	10.00	184.23
1	SLB	SE	1	Extra	116	12.00	377.12
1	SLB	SF	1	Extra	168	15.00	682.72
1	SLB	SG	1	Extra	190	13.00	669.17
<b>Sub-total:</b>							<b>7,815.23</b>

Bar Dia (mm):16



**Estimate for Superstructure**

**Item 03M2 Re-bar Grade 60-11th Floor**

Bar Dia (mm):16

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	SD	1	Main Bar	50	24.00	577.96
<b>Sub-total:</b>							<b>577.96</b>
Total:							13,152.03

**Item 03N1 Re-bar Grade 72-12th Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1	2	Stirrup	37	34.00	473.36
1	COL	C1A	1	Stirrup	38	34.00	243.08
1	COL	C1B	1	Stirrup	38	50.00	357.46
1	COL	C1C	1	Stirrup	38	50.00	357.46
1	COL	C2	1	Stirrup	38	50.00	357.46
1	COL	C2A	1	Stirrup	38	50.00	357.46
1	COL	C2B	1	Stirrup	38	50.00	357.46
1	COL	C3	2	Stirrup	38	54.00	772.12
1	COL	C4	1	Stirrup	38	33.00	235.93
1	COL	C5	3	Stirrup	38	32.00	686.33
1	COL	C5A	1	Stirrup	38	32.00	228.78
1	RB	B01	1	Stirrup	138	5.75	149.29
1	RB	B02	1	Stirrup	116	5.25	114.58
1	RB	B03A	1	Stirrup	148	5.25	146.18
1	RB	B04	1	Stirrup	279	5.75	301.82
1	RB	B04A	1	Stirrup	279	5.75	301.82
1	RB	B05	1	Stirrup	70	3.75	49.39
1	RB	B06	1	Stirrup	70	3.75	49.39
1	RB	B07	1	Stirrup	97	5.25	95.81
1	RB	B10	1	Stirrup	35	5.00	32.92
1	RB	B11	1	Stirrup	52	5.33	52.14
1	RB	B12	1	Stirrup	45	5.50	46.56
1	RB	B13	1	Stirrup	45	5.50	46.56
1	RB	B14	1	Stirrup	52	5.50	53.81
1	RB	B15	1	Stirrup	55	5.50	56.91
1	RB	B16	1	Stirrup	60	5.50	62.09
1	RB	B16A	1	Stirrup	97	5.50	100.37
1	RB	B17	1	Stirrup	151	5.50	156.25
1	RB	B18	1	Stirrup	20	5.50	20.70
1	RB	B20	1	Stirrup	73	5.50	75.54
1	RB	B21	1	Stirrup	215	5.50	222.47
1	RB	B8A	1	Stirrup	106	6.25	124.64
1	STR	STR	2	Main Bar	50	12.00	225.77
1	SW1	SW1	1	Extra	25	5.00	23.52
<b>Sub-total:</b>							<b>6,935.44</b>

Bar Dia (mm):12

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	STR	STR	2	Main Bar	18	40.00	390.12



**Estimate for Superstructure**

**Item 03N1 Re-bar Grade 72-12th Floor**

Bar Dia (mm):12

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	STR	STR	2	Main Bar	17	15.00	138.17
1	SW1	SW1	1	Main Bar	16	13.00	56.35
1	SW1	SW1	1	Stirrup	38	31.00	319.14
1	SW2	SW2	1	Main Bar	48	13.00	169.05
1	SW2	SW2	1	Stirrup	38	190.00	1,956.04
1	SW2	SW2	1	Extra	254	5.00	344.07
1	SW3	SW3	1	Main Bar	68	13.00	239.49
1	SW3	SW3	1	Stirrup	38	121.00	1,245.69
1	SW3	SW3	1	Extra	175	5.00	237.06
<b>Sub-total:</b>							<b>5,095.19</b>

Bar Dia (mm):16

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C5	3	Main Bar	8	13.00	150.27
1	COL	C5A	1	Main Bar	8	13.00	50.09
1	SW2	SW2	1	Main Bar	104	13.00	651.17
1	SW3	SW3	1	Main Bar	32	13.00	200.36
<b>Sub-total:</b>							<b>1,051.89</b>

Bar Dia (mm):20

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1A	1	Main Bar	24	13.00	234.80
1	COL	C1B	1	Main Bar	24	13.00	234.80
1	COL	C1C	1	Main Bar	24	13.00	234.80
1	COL	C2	1	Main Bar	8	13.00	78.27
1	COL	C2A	1	Main Bar	8	13.00	78.27
1	COL	C2B	1	Main Bar	8	13.00	78.27
1	COL	C3	2	Main Bar	8	13.00	156.53
1	COL	C4	1	Main Bar	16	13.00	156.53
1	COL	C5	3	Main Bar	12	13.00	352.20
1	COL	C5A	1	Main Bar	12	13.00	117.40
1	RB	B01	1	Main Bar	6	52.00	234.80
1	RB	B01	1	Lap	12	2.62	23.66
1	RB	B01	1	Extra	9	3.28	22.22
1	RB	B01	1	Extra	4	37.50	112.88
1	RB	B02	1	Main Bar	6	43.00	194.16
1	RB	B02	1	Lap	6	2.62	11.83
1	RB	B02	1	Extra	4	34.50	103.85
1	RB	B03A	1	Main Bar	5	58.00	218.24
1	RB	B03A	1	Extra	12	3.28	29.63
1	RB	B03A	1	Lap	10	2.62	19.72
1	RB	B03A	1	Extra	4	123.00	370.26
1	RB	B04	1	Main Bar	7	104.00	547.86
1	RB	B04	1	Extra	11	3.28	27.16
1	RB	B04	1	Lap	28	2.62	55.21
1	RB	B04	1	Extra	6	64.00	288.98



**Estimate for Superstructure**

**Item 03N1 Re-bar Grade 72-12th Floor**

Bar Dia (mm):20

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	RB	B04A	1	Main Bar	7	115.50	608.44
1	RB	B04A	1	Extra	4	84.50	254.36
1	RB	B05	1	Main Bar	4	57.00	171.58
1	RB	B05	1	Lap	8	2.62	15.77
1	RB	B05	1	Extra	8	3.28	19.75
1	RB	B06	1	Main Bar	8	33.00	198.67
1	RB	B06	1	Extra	8	3.28	19.75
1	RB	B06	1	Lap	8	2.62	15.77
1	RB	B07	1	Main Bar	4	78.15	235.25
1	RB	B07	1	Extra	4	78.15	235.25
1	RB	B07	1	Main Bar	18	3.28	44.44
1	RB	B07	1	Lap	14	2.62	27.60
1	RB	B10	1	Lap	6	2.62	11.83
1	RB	B10	1	Main Bar	6	14.50	65.47
1	RB	B10	1	Extra	16	3.28	39.49
1	RB	B10	1	Extra	2	8.00	12.04
1	RB	B11	1	Main Bar	7	19.50	102.72
1	RB	B11	1	Extra	4	6.75	20.32
1	RB	B11	1	Extra	16	3.28	39.51
1	RB	B11	1	Lap	7	2.62	13.80
1	RB	B12	1	Main Bar	6	16.50	74.50
1	RB	B12	1	Lap	6	2.62	11.83
1	RB	B12	1	Extra	4	16.00	48.16
1	RB	B12	1	Extra	16	3.28	39.51
1	RB	B13	1	Main Bar	7	17.00	89.55
1	RB	B13	1	Main Bar	7	2.62	13.80
1	RB	B13	1	Extra	2	6.25	9.41
1	RB	B14	1	Main Bar	4	37.50	112.88
1	RB	B14	1	Extra	19	3.28	46.91
1	RB	B14	1	Lap	6	2.62	11.83
1	RB	B16	1	Main Bar	8	20.67	124.44
1	RB	B16	1	Extra	19	3.28	46.91
1	RB	B16	1	Lap	8	2.62	15.77
1	RB	B16A	1	Main Bar	7	36.00	189.64
1	RB	B16A	1	Main Bar	7	2.62	13.80
1	RB	B18	1	Main Bar	6	7.50	33.87
1	RB	B20	1	Main Bar	6	26.83	121.15
1	RB	B20	1	Lap	6	2.62	11.83
1	RB	B20	1	Extra	2	31.00	46.66
1	RB	B21	1	Main Bar	7	79.33	417.90
1	RB	B21	1	Extra	4	75.00	225.77
1	RB	B21	1	Lap	14	2.62	27.60
1	SW1	SW1	1	Main Bar	12	13.00	117.40
						<b>Sub-total:</b>	<b>7,985.29</b>



**Estimate for Superstructure**

**Item 03N1 Re-bar Grade 72-12th Floor**

Bar Dia (mm):25

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1	2	Main Bar	24	13.00	733.74
1	COL	C2	1	Main Bar	12	13.00	183.44
1	COL	C2A	1	Main Bar	12	13.00	183.44
1	COL	C2B	1	Main Bar	12	13.00	183.44
1	COL	C3	2	Main Bar	12	13.00	366.87
1	COL	C4	1	Main Bar	4	13.00	61.15
1	RB	B15	1	Main Bar	6	20.75	146.40
1	RB	B15	1	Lap	6	3.28	23.14
1	RB	B15	1	Extra	2	6.83	16.06
1	RB	B17	1	Main Bar	10	56.00	658.49
1	RB	B17	1	Extra	4	21.25	99.95
1	RB	B17	1	Lap	30	3.28	115.71
1	RB	B17	1	Extra	20	3.28	77.16
1	RB	B8A	1	Main Bar	6	68.00	479.75
1	RB	B8A	1	Main Bar	20	4.10	96.42
1	RB	B8A	1	Lap	6	2.62	18.48
<b>Sub-total:</b>							<b>3,443.63</b>
Total:							24,511.45

**Item 03N2 Re-bar Grade 60-12th Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	LAP	1	Lap	303	2.00	114.01
1	SLB	SA	1	Main Bar	197	38.00	1,408.41
1	SLB	SB	1	Main Bar	65	35.00	428.02
1	SLB	SC	1	Main Bar	44	24.75	204.88
1	SLB	SD	1	Main Bar	64	15.50	186.63
1	SLB	SD	1	Main Bar	69	19.83	257.42
1	SLB	SE	1	Main Bar	114	27.00	579.09
1	SLB	SF	1	Main Bar	143	30.00	807.12
1	SLB	SG	1	Main Bar	137	30.00	773.25
<b>Sub-total:</b>							<b>4,758.84</b>

Bar Dia (mm):12

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	CHA	1	Extra	1600	4.00	1,733.89
1	SLB	DT	12	Extra	15	8.00	390.12
1	SLB	DT	20	Extra	10	8.00	433.47
1	SLB	LAP	1	Lap	380	2.50	257.37
1	SLB	SA	1	Main Bar	57	36.50	563.65
1	SLB	SA	1	Extra	195	16.00	845.27
1	SLB	SB	1	Extra	204	11.50	635.58
1	SLB	SB	1	Main Bar	73	27.50	543.87
1	SLB	SC	1	Main Bar	56	14.00	212.40
1	SLB	SC	1	Extra	100	10.57	286.36
1	SLB	SD	1	Extra	68	10.00	184.23



**Estimate for Superstructure**

**Item 03N2 Re-bar Grade 60-12th Floor**

Bar Dia (mm):12

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	SE	1	Extra	116	12.00	377.12
1	SLB	SF	1	Extra	168	15.00	682.72
1	SLB	SG	1	Extra	190	13.00	669.17
<b>Sub-total:</b>							<b>7,815.23</b>

Bar Dia (mm):16

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	SD	1	Main Bar	50	24.00	577.96
<b>Sub-total:</b>							<b>577.96</b>
Total:							13,152.03

**Item 03P1 Re-bar Grade 72-13th Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1	2	Stirrup	37	34.00	473.36
1	COL	C1A	1	Stirrup	38	34.00	243.08
1	COL	C1B	1	Stirrup	38	50.00	357.46
1	COL	C1C	1	Stirrup	38	50.00	357.46
1	COL	C2	1	Stirrup	38	50.00	357.46
1	COL	C2A	1	Stirrup	38	50.00	357.46
1	COL	C2B	1	Stirrup	38	50.00	357.46
1	COL	C3	2	Stirrup	38	54.00	772.12
1	COL	C4	1	Stirrup	38	33.00	235.93
1	COL	C5	3	Stirrup	38	32.00	686.33
1	COL	C5A	1	Stirrup	38	32.00	228.78
1	RB	B01	1	Stirrup	138	5.75	149.29
1	RB	B02	1	Stirrup	116	5.25	114.58
1	RB	B03A	1	Stirrup	148	5.25	146.18
1	RB	B04	1	Stirrup	279	5.75	301.82
1	RB	B04A	1	Stirrup	279	5.75	301.82
1	RB	B05	1	Stirrup	70	3.75	49.39
1	RB	B06	1	Stirrup	70	3.75	49.39
1	RB	B07	1	Stirrup	97	5.25	95.81
1	RB	B10	1	Stirrup	35	5.00	32.92
1	RB	B11	1	Stirrup	52	5.33	52.14
1	RB	B12	1	Stirrup	45	5.50	46.56
1	RB	B13	1	Stirrup	45	5.50	46.56
1	RB	B14	1	Stirrup	52	5.50	53.81
1	RB	B15	1	Stirrup	55	5.50	56.91
1	RB	B16	1	Stirrup	60	5.50	62.09
1	RB	B16A	1	Stirrup	97	5.50	100.37
1	RB	B17	1	Stirrup	151	5.50	156.25
1	RB	B18	1	Stirrup	20	5.50	20.70
1	RB	B20	1	Stirrup	73	5.50	75.54
1	RB	B21	1	Stirrup	215	5.50	222.47
1	RB	B8A	1	Stirrup	106	6.25	124.64



**Estimate for Superstructure**

**Item 03P1 Re-bar Grade 72-13th Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	STR	STR	2	Main Bar	50	12.00	225.77
1	SW1	SW1	1	Extra	25	5.00	23.52
<b>Sub-total:</b>							<b>6,935.44</b>

Bar Dia (mm):12

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	STR	STR	2	Main Bar	18	40.00	390.12
1	STR	STR	2	Main Bar	17	15.00	138.17
1	SW1	SW1	1	Main Bar	16	13.00	56.35
1	SW1	SW1	1	Stirrup	38	31.00	319.14
1	SW2	SW2	1	Main Bar	48	13.00	169.05
1	SW2	SW2	1	Extra	254	5.00	344.07
1	SW2	SW2	1	Stirrup	38	190.00	1,956.04
1	SW3	SW3	1	Main Bar	68	13.00	239.49
1	SW3	SW3	1	Stirrup	38	121.00	1,245.69
1	SW3	SW3	1	Extra	175	5.00	237.06
<b>Sub-total:</b>							<b>5,095.19</b>

Bar Dia (mm):16

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C5	3	Main Bar	8	13.00	150.27
1	COL	C5A	1	Main Bar	8	13.00	50.09
1	SW2	SW2	1	Main Bar	104	13.00	651.17
1	SW3	SW3	1	Main Bar	32	13.00	200.36
<b>Sub-total:</b>							<b>1,051.89</b>

Bar Dia (mm):20

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1A	1	Main Bar	24	13.00	234.80
1	COL	C1B	1	Main Bar	24	13.00	234.80
1	COL	C1C	1	Main Bar	24	13.00	234.80
1	COL	C2	1	Main Bar	8	13.00	78.27
1	COL	C2A	1	Main Bar	8	13.00	78.27
1	COL	C2B	1	Main Bar	8	13.00	78.27
1	COL	C3	2	Main Bar	8	13.00	156.53
1	COL	C4	1	Main Bar	16	13.00	156.53
1	COL	C5	3	Main Bar	12	13.00	352.20
1	COL	C5A	1	Main Bar	12	13.00	117.40
1	RB	B01	1	Main Bar	6	52.00	234.80
1	RB	B01	1	Lap	12	2.62	23.66
1	RB	B01	1	Extra	4	37.50	112.88
1	RB	B01	1	Extra	9	3.28	22.22
1	RB	B02	1	Main Bar	6	43.00	194.16
1	RB	B02	1	Extra	4	34.50	103.85
1	RB	B02	1	Lap	6	2.62	11.83
1	RB	B03A	1	Main Bar	5	58.00	218.24
1	RB	B03A	1	Extra	4	123.00	370.26





**Estimate for Superstructure**

**Item 03P1 Re-bar Grade 72-13th Floor**

Bar Dia (mm):20

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	RB	B03A	1	Extra	12	3.28	29.63
1	RB	B03A	1	Lap	10	2.62	19.72
1	RB	B04	1	Main Bar	7	104.00	547.86
1	RB	B04	1	Lap	28	2.62	55.21
1	RB	B04	1	Extra	6	64.00	288.98
1	RB	B04	1	Extra	11	3.28	27.16
1	RB	B04A	1	Main Bar	7	115.50	608.44
1	RB	B04A	1	Extra	4	84.50	254.36
1	RB	B05	1	Main Bar	4	57.00	171.58
1	RB	B05	1	Lap	8	2.62	15.77
1	RB	B05	1	Extra	8	3.28	19.75
1	RB	B06	1	Main Bar	8	33.00	198.67
1	RB	B06	1	Extra	8	3.28	19.75
1	RB	B06	1	Lap	8	2.62	15.77
1	RB	B07	1	Main Bar	4	78.15	235.25
1	RB	B07	1	Lap	14	2.62	27.60
1	RB	B07	1	Main Bar	18	3.28	44.44
1	RB	B07	1	Extra	4	78.15	235.25
1	RB	B10	1	Lap	6	2.62	11.83
1	RB	B10	1	Extra	2	8.00	12.04
1	RB	B10	1	Main Bar	6	14.50	65.47
1	RB	B10	1	Extra	16	3.28	39.49
1	RB	B11	1	Main Bar	7	19.50	102.72
1	RB	B11	1	Extra	16	3.28	39.51
1	RB	B11	1	Lap	7	2.62	13.80
1	RB	B11	1	Extra	4	6.75	20.32
1	RB	B12	1	Main Bar	6	16.50	74.50
1	RB	B12	1	Extra	16	3.28	39.51
1	RB	B12	1	Lap	6	2.62	11.83
1	RB	B12	1	Extra	4	16.00	48.16
1	RB	B13	1	Main Bar	7	17.00	89.55
1	RB	B13	1	Extra	2	6.25	9.41
1	RB	B13	1	Main Bar	7	2.62	13.80
1	RB	B14	1	Main Bar	4	37.50	112.88
1	RB	B14	1	Lap	6	2.62	11.83
1	RB	B14	1	Extra	19	3.28	46.91
1	RB	B16	1	Main Bar	8	20.67	124.44
1	RB	B16	1	Extra	19	3.28	46.91
1	RB	B16	1	Lap	8	2.62	15.77
1	RB	B16A	1	Main Bar	7	36.00	189.64
1	RB	B16A	1	Main Bar	7	2.62	13.80
1	RB	B18	1	Main Bar	6	7.50	33.87
1	RB	B20	1	Main Bar	6	26.83	121.15
1	RB	B20	1	Lap	6	2.62	11.83



**Estimate for Superstructure**

**Item 03P1 Re-bar Grade 72-13th Floor**

Bar Dia (mm):20

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	RB	B20	1	Extra	2	31.00	46.66
1	RB	B21	1	Main Bar	7	79.33	417.90
1	RB	B21	1	Lap	14	2.62	27.60
1	RB	B21	1	Extra	4	75.00	225.77
1	SW1	SW1	1	Main Bar	12	13.00	117.40
<b>Sub-total:</b>							<b>7,985.29</b>

Bar Dia (mm):25

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1	2	Main Bar	24	13.00	733.74
1	COL	C2	1	Main Bar	12	13.00	183.44
1	COL	C2A	1	Main Bar	12	13.00	183.44
1	COL	C2B	1	Main Bar	12	13.00	183.44
1	COL	C3	2	Main Bar	12	13.00	366.87
1	COL	C4	1	Main Bar	4	13.00	61.15
1	RB	B15	1	Main Bar	6	20.75	146.40
1	RB	B15	1	Lap	6	3.28	23.14
1	RB	B15	1	Extra	2	6.83	16.06
1	RB	B17	1	Main Bar	10	56.00	658.49
1	RB	B17	1	Extra	4	21.25	99.95
1	RB	B17	1	Lap	30	3.28	115.71
1	RB	B17	1	Extra	20	3.28	77.16
1	RB	B8A	1	Main Bar	6	68.00	479.75
1	RB	B8A	1	Lap	6	2.62	18.48
1	RB	B8A	1	Main Bar	20	4.10	96.42
<b>Sub-total:</b>							<b>3,443.63</b>
Total:							24,511.45

**Item 03P2 Re-bar Grade 60-13th Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	LAP	1	Lap	303	2.00	114.01
1	SLB	SB	1	Main Bar	65	35.00	428.02
1	SLB	SC	1	Main Bar	44	24.75	204.88
1	SLB	SD	1	Main Bar	64	15.50	186.63
1	SLB	SD	1	Main Bar	69	19.83	257.42
1	SLB	SE	1	Main Bar	114	27.00	579.09
1	SLB	SF	1	Main Bar	143	30.00	807.12
1	SLB	SG	1	Main Bar	137	30.00	773.25
<b>Sub-total:</b>							<b>3,350.43</b>

Bar Dia (mm):12

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	CHA	1	Extra	1500	4.00	1,625.52
1	SLB	DT	12	Extra	15	8.00	390.12
1	SLB	DT	20	Extra	10	8.00	433.47
1	SLB	LAP	1	Lap	380	2.50	257.37



**Estimate for Superstructure**

**Item 03P2 Re-bar Grade 60-13th Floor**

Bar Dia (mm):12

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	SB	1	Main Bar	73	27.50	543.87
1	SLB	SB	1	Extra	204	11.50	635.58
1	SLB	SC	1	Main Bar	56	14.00	212.40
1	SLB	SC	1	Extra	100	10.57	286.36
1	SLB	SD	1	Extra	68	10.00	184.23
1	SLB	SE	1	Extra	116	12.00	377.12
1	SLB	SF	1	Extra	168	15.00	682.72
1	SLB	SG	1	Extra	190	13.00	669.17
<b>Sub-total:</b>							<b>6,297.94</b>

Bar Dia (mm):16

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	SD	1	Main Bar	50	24.00	577.96
<b>Sub-total:</b>							<b>577.96</b>
Total:							10,226.34

**Item 03Q1 Re-bar Grade 72-Top Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1A	1	Stirrup	38	34.00	243.08
1	COL	C1B	1	Stirrup	38	50.00	357.46
1	COL	C1C	1	Stirrup	38	50.00	357.46
1	COL	C2	1	Stirrup	38	50.00	357.46
1	COL	C2A	1	Stirrup	38	50.00	357.46
1	COL	C2B	1	Stirrup	38	50.00	357.46
1	COL	C3	2	Stirrup	38	54.00	772.12
1	RB	B001	1	Stirrup	138	5.75	149.29
1	RB	B002	1	Stirrup	116	5.25	114.58
1	RB	B004	1	Stirrup	279	5.75	301.82
1	RB	B03A	1	Stirrup	148	5.25	146.18
1	RB	B10	1	Stirrup	35	5.00	32.92
1	RB	B11	1	Stirrup	52	5.33	52.14
1	RB	B12	1	Stirrup	45	5.50	46.56
1	RB	B13	1	Stirrup	45	5.50	46.56
1	RB	B16	1	Stirrup	60	5.50	62.09
1	RB	B18	1	Stirrup	20	5.50	20.70
1	RB	B20	1	Stirrup	73	5.50	75.54
1	RB	B8A	1	Stirrup	106	6.25	124.64
1	STR	STR	2	Main Bar	50	12.00	225.77
1	SW1	SW1	1	Stirrup	25	5.00	23.52
<b>Sub-total:</b>							<b>4,224.83</b>

Bar Dia (mm):12

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	STR	STR	2	Main Bar	18	40.00	390.12
1	STR	STR	2	Main Bar	17	15.00	138.17
1	SW1	SW1	1	Stirrup	38	31.00	319.14



**Estimate for Superstructure**

**Item 03Q1 Re-bar Grade 72-Top Floor**

Bar Dia (mm):12

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SW2	SW2	1	Stirrup	254	5.00	344.07
1	SW2	SW2	1	Main Bar	48	11.00	143.05
1	SW2	SW2	1	Stirrup	38	190.00	1,956.04
1	SW3	SW3	1	Main Bar	18	11.00	53.64
1	SW3	SW3	1	Stirrup	175	5.00	237.06
1	SW3	SW3	1	Stirrup	38	121.00	1,245.69
<b>Sub-total:</b>							<b>4,826.98</b>

Bar Dia (mm):16

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SW1	SW1	1	Main Bar	16	11.00	84.77
1	SW2	SW2	1	Main Bar	54	11.00	286.09
1	SW3	SW3	1	Main Bar	50	11.00	264.90
<b>Sub-total:</b>							<b>635.76</b>

Bar Dia (mm):20

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1A	1	Main Bar	12	11.00	99.34
1	COL	C1B	1	Main Bar	12	11.00	99.34
1	COL	C1C	1	Main Bar	12	11.00	99.34
1	RB	B001	1	Main Bar	6	52.00	234.80
1	RB	B001	1	Extra	2	75.00	112.88
1	RB	B001	1	Main Bar	12	2.75	24.83
1	RB	B001	1	Main Bar	9	3.50	23.71
1	RB	B002	1	Main Bar	6	43.00	194.16
1	RB	B002	1	Extra	2	69.00	103.85
1	RB	B002	1	Main Bar	12	2.62	23.66
1	RB	B004	1	Main Bar	7	104.00	547.86
1	RB	B004	1	Main Bar	28	2.62	55.21
1	RB	B004	1	Extra	4	96.00	288.98
1	RB	B004	1	Main Bar	11	3.28	27.16
1	RB	B03A	1	Main Bar	5	58.00	218.24
1	RB	B03A	1	Main Bar	10	2.62	19.72
1	RB	B03A	1	Main Bar	12	3.28	29.63
1	RB	B03A	1	Extra	4	123.00	370.26
1	RB	B07	1	Main Bar	4	78.15	235.25
1	RB	B07	1	Main Bar	14	2.62	27.60
1	RB	B10	1	Extra	2	8.00	12.04
1	RB	B10	1	Main Bar	6	2.62	11.83
1	RB	B10	1	Main Bar	6	14.50	65.47
1	RB	B10	1	Main Bar	16	3.28	39.49
1	RB	B11	1	Main Bar	7	19.50	102.72
1	RB	B11	1	Extra	4	6.75	20.32
1	RB	B11	1	Main Bar	16	3.28	39.51
1	RB	B11	1	Main Bar	7	2.62	13.80
1	RB	B12	1	Main Bar	6	16.50	74.50



**Estimate for Superstructure**

**Item 03Q1 Re-bar Grade 72-Top Floor**

Bar Dia (mm):20

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	RB	B12	1	Extra	4	16.00	48.16
1	RB	B12	1	Main Bar	16	3.28	39.51
1	RB	B12	1	Main Bar	6	2.62	11.83
1	RB	B13	1	Main Bar	7	17.00	89.55
1	RB	B13	1	Extra	2	6.25	9.41
1	RB	B13	1	Main Bar	7	2.62	13.80
1	RB	B16	1	Main Bar	8	20.67	124.44
1	RB	B16	1	Main Bar	8	2.62	15.77
1	RB	B16	1	Main Bar	19	3.28	46.91
1	RB	B18	1	Main Bar	6	7.50	33.87
1	RB	B20	1	Main Bar	6	26.83	121.15
1	RB	B20	1	Main Bar	6	2.62	11.83
1	RB	B20	1	Extra	2	31.00	46.66
1	SW2	SW2	1	Main Bar	16	11.00	132.45
1	SW3	SW3	1	Main Bar	8	11.00	66.22
<b>Sub-total:</b>							<b>4,027.07</b>

Bar Dia (mm):25

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C1A	1	Main Bar	12	11.00	155.21
1	COL	C1B	1	Main Bar	12	11.00	155.21
1	COL	C1C	1	Main Bar	12	11.00	155.21
1	COL	C2	1	Main Bar	8	11.00	103.48
1	COL	C2A	1	Main Bar	8	11.00	103.48
1	COL	C2B	1	Main Bar	8	11.00	103.48
1	RB	B8A	1	Main Bar	6	68.00	479.75
1	RB	B8A	1	Main Bar	6	2.62	18.48
1	RB	B8A	1	Main Bar	20	4.10	96.42
1	SW1	SW1	1	Main Bar	12	11.00	155.21
1	SW2	SW2	1	Main Bar	34	11.00	439.77
1	SW3	SW3	1	Main Bar	24	11.00	310.43
<b>Sub-total:</b>							<b>2,276.15</b>

Bar Dia (mm):28

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	COL	C2	1	Main Bar	12	11.00	194.70
1	COL	C2A	1	Main Bar	12	11.00	194.70
1	COL	C2B	1	Main Bar	12	11.00	194.70
1	COL	C3	2	Main Bar	22	11.00	713.90
<b>Sub-total:</b>							<b>1,298.01</b>
Total:							17,288.81

**Item 03Q2 Re-bar Grade 60-Top Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	SB	1	Main Bar	65	35.00	428.02
1	SLB	SC	1	Main Bar	44	24.75	204.88



**Estimate for Superstructure**

**Item 03Q2 Re-bar Grade 60-Top Floor**

Bar Dia (mm):10

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	SD	2	Main Bar	64	15.50	373.27
1	SLB	SD	2	Main Bar	69	19.83	514.85
1	SLB	SG	1	Main Bar	137	30.00	773.25
<b>Sub-total:</b>							<b>2,294.27</b>

Bar Dia (mm):12

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	CHA	1	Stirrup	200	4.00	216.74
1	SLB	SB	1	Extra	204	11.50	635.58
1	SLB	SB	1	Main Bar	73	27.50	543.87
1	SLB	SC	1	Main Bar	56	14.00	212.40
1	SLB	SC	1	Extra	100	10.57	286.36
1	SLB	SD	2	Extra	68	10.00	368.45
1	SLB	SG	1	Extra	190	13.00	669.17
<b>Sub-total:</b>							<b>2,932.57</b>

Bar Dia (mm):16

Floor	Member Id	Type Id	Total Typ	Bar Type	Total Bar	Length (ft)	Weighjt (Kg)
1	SLB	SD	2	Main Bar	50	24.00	1,155.93
<b>Sub-total:</b>							<b>1,155.93</b>
Total:							6,382.77
<b>Grand Total:</b>							<b>564,805.55</b>