

SR #	CSI SECT	DESCRIPTION	Drawing Reference	QUANTITY	WASTAGE (10%)	QTY WITH WASTAGE	UNIT OF MEASURE	UNIT COST	TOTAL ITEM COST	TOTAL TRADE COST
DIV 03 CONCRETE										\$ 543,731
MAT FOUNDATIONS:										
1		24" Concrete MAT-1 Foundation-6000 PSI		361	10%	397	CY	\$ 180	\$ 71,500	
2		6" Crushed Stone Bedding		90	10%	99	CY	\$ 25	\$ 2,483	
3		Mud Slab w/ Vapor Barrier		4925	10%	5418	SF	\$ 1	\$ 4,334	
4		#9@12" O.C.E.W T&B		33	10%	36	TONs	\$ 1,250	\$ 45,581	
5		24" Concrete MAT-2 Foundation (Incl. Elevator Pit) -6000 PSI		78	10%	86	CY	\$ 180	\$ 15,400	
6		6" Crushed Stone Bedding		19	10%	21	CY	\$ 25	\$ 535	
7		Mud Slab w/ Vapor Barrier		1100	10%	1210	SF	\$ 1	\$ 968	
8		#9@12" O.C.E.W T&B		7	10%	8	TONs	\$ 1,250	\$ 9,818	
FOUNDATION WALLS:										
7		12" Concrete Wall BW-1		132	10%	145	CY	\$ 185	\$ 26,870	
8		2" XPS Insulation (R-10d)		3565	10%	3922	SF	\$ 2	\$ 7,372	
9		Preprufe 300R+Foundation Waterproofing Membrane		3565	10%	3922	SF	\$ 1	\$ 3,137	
10		Vertical Reinforcement: #6@12" O.C-Inside Face		4	10%	4	TONs	\$ 1,250	\$ 5,319	
11		#4@12" O.C-Outside Face Horizontal Reinforcement: #4@12" O.C-EA.Face		2	10%	3	TONs	\$ 1,250	\$ 3,274	
12		12" Concrete Wall BW-2		15	10%	17	CY	\$ 350	\$ 5,903	
13		2" XPS Insulation (R-10d)		414	10%	455	SF	\$ 3	\$ 1,275	
14		Preprufe 300R+Foundation Waterproofing Membrane		414	10%	455	SF	\$ 1	\$ 638	
15		Vertical Reinforcement: #7@12" O.C-Inside Face		7	10%	8	TONs	\$ 2,250	\$ 18,035	
16		#7@12" O.C-Outside Face Horizontal Reinforcement: #4@12" O.C-EA.Face		2	10%	2	TONs	\$ 2,250	\$ 5,894	
SHEARWALLS										
Shearwall SW-1 :										
17		12" Concrete Wall (Cellar to BH Roof)		100	10%	110	CY	\$ 185	\$ 20,350	
18		Reinforcement: #4@12" O.C-Horizontal		1	10%	1	TONs	\$ 1,250	\$ 6,613	
19		#4@12" O.C-Vertical Bars Reinforcement: (Zone-1) -14-#8 Bars-Vertical (Cellar to 1st Floor) -10-#8 Bars-Vertical (1st-3rd Floor) -6#8 Bars-Vertical (1st-BH Roof)		1	10%	1	TONs	\$ 1,250	\$ 1,722	
20		#4@12' O.C-Ties Reinforcement: (Zone-3) -8-#8 Bars-Vertical (Cellar) -6-#8 Bars-Vertical (1st-BH Roof)		1	10%	1	TONs	\$ 1,250	\$ 1,403	
21		#4@12' O.C-Ties Reinforcement: (Zone-4) -8-#8 Bars-Vertical (Cellar) -6-#8 Bars-Vertical (1st-BH Roof)		1	10%	1	TONs	\$ 1,250	\$ 1,403	
22		#4@12' O.C-Ties Reinforcement: (Zone-5) -12-#8 Bars-Vertical (Cellar) -8-#8 Bars-Vertical (1st-3rd Floor) -6-#8 Bars-Vertical (1st-BH Roof)		1	10%	1	TONs	\$ 1,250	\$ 1,571	
23		#4@12' O.C-Ties Reinforcement: (Zone-6) -14-#8 Bars-Vertical (Cellar) -10-#8 Bars-Vertical (1st-3rd Floor) -6#8 Bars-Vertical (3rd to BH Roof)		1	10%	1	TONs	\$ 1,250	\$ 1,671	
Shearwall SW-2 :										
24		12" Concrete Wall (Cellar to 1st Floor)		2	10%	2	CY	\$ 185	\$ 452	
25		12" Concrete Wall (1st to 7th Floor)		91	10%	100	CY	\$ 185	\$ 18,451	
26		Reinforcement: #4@12" O.C-Horizontal		3	10%	4	TONs	\$ 1,250	\$ 4,607	
27		#4@12" O.C-Vertical Bars Reinforcement: (Zone-7) -8-#8 Bars-Vertical (1st-3rd Floor) -6#8 Bars-Vertical (3rd to Roof)		1	10%	1	TONs	\$ 1,250	\$ 1,263	
28		#4@12' O.C-Ties Reinforcement: (Zone-8) -6-#8 Bars-Vertical (1st-3rd Floor) -6#8 Bars-Vertical (3rd to Roof)		1	10%	1	TONs	\$ 1,250	\$ 1,164	
29		#4@12' O.C-Ties Reinforcement: (Zone-9) -10-#8 Bars-Vertical (1st-3rd Floor) -6#8 Bars-Vertical (3rd to Roof)		1	10%	1	TONs	\$ 1,250	\$ 1,362	
30		#4@12' O.C-Ties Reinforcement: (Zone-10) -10#8 Bars-Vertical (cellar to 1st) -8-#8 Bars-Vertical (1st-3rd Floor) -6#8 Bars-Vertical (3rd to Roof)		1	10%	1	TONs	\$ 1,250	\$ 1,483	

SAMPLE ESTIMATE BY
NATIONAL ESTIMATING, DRAFTING AND ENGINEERING SERVICES

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31		Reinforcement: (Zone-13) -12#8 Bars-Vertical (cellar to 2nd) -#4@12" O.C-Ties		0	10%	1	TONs	\$ 1,250	\$ 661	
COLUMNS										
Column #1										
32		24"x12" Concrete Column		4	10%	4	CY	\$ 180	\$ 792	
Shear Reinforcement:										
33		Ties Rebars- #4		381	10%	419	LBs	\$ 1	\$ 302	
34		Rebars- #7		613	10%	674	LBs	\$ 1	\$ 485	
35		Rebars- #9		204	10%	224	LBs	\$ 1	\$ 162	
36		5/8" Dia x22-1/2"Hx84"L		24	10%	26	EA	\$ 18	\$ 475	
Main Reinforcement:										
37		6-#7 Bars		699	10%	769	LBs	\$ 1	\$ 554	
Column #2										
38		24"x12" Concrete Column		6	10%	7	CY	\$ 180	\$ 1,188	
Shear Reinforcement:										
39		Ties Rebars- #4		568	10%	625	LBs	\$ 1	\$ 450	
40		Rebars- #7		920	10%	1012	LBs	\$ 1	\$ 729	
41		Rebars- #9		357	10%	393	LBs	\$ 1	\$ 283	
Main Reinforcement:										
42		6-#7 Bars		1042	10%	1146	LBs	\$ 1	\$ 825	
Column P-1										
43		12"x12" Concrete Column		0	10%	0	CY	\$ 180	\$ -	
Shear Reinforcement:										
44		Ties Rebars- #4		48	10%	53	LBs	\$ 1	\$ 38	
45		Rebars- #7		123	10%	135	LBs	\$ 1	\$ 97	
Main Reinforcement:										
46		4-#7 Bars		98	10%	108	LBs	\$ 1	\$ 78	
Column P-2										
47		24"x12" Concrete Column		0	10%	0	CY	\$ 180	\$ -	
Shear Reinforcement:										
48		Rebars- #7		104	10%	114	LBs	\$ 1	\$ 82	
Main Reinforcement:										
49		4-#7 Bars		8	10%	8	LBs	\$ 1	\$ 78	
SLABS & ASSOCIATED ITEMS										
First Floor										
49		8"TT Slab 5' x 5' x 10'0"PSI		335	10%	369	SF	\$ 4	\$ 1,327	
50		10 MIL Vapor Barrier		335	10%	369	SF	\$ 1	\$ 251	
51		6"TT Gravel Fill Under Slab		12	10%	14	CY	\$ 25	\$ 341	
52		Reinforcement: -#4@12" O.C.E.W		448	10%	492	LBs	\$ 1	\$ 354	
53		(6"W) Concrete Stairs and 4" Concrete Slab		1	10%	1	CY	\$ 98	\$ 76	
54		6x6-W4.0xW4.0 WWR		36	10%	40	SF	\$ 1	\$ 20	
55		Reinforcement: #4 Rebars		65	10%	72	LBs	\$ 1	\$ 51	
56		400 High Density Extruded Polystyrene Insulation-5'Deep		36	10%	40	SF	\$ 4	\$ 143	
57		(3'6"W) Concrete Stairs and 4" Concrete Slab		1	10%	1	CY	\$ 98	\$ 59	
58		6x6-W4.0xW4.0 WWR		40	10%	44	SF	\$ 1	\$ 22	
59		Reinforcement: #4 Rebars		70	10%	77	LBs	\$ 1	\$ 55	
60		400 High Density Extruded Polystyrene Insulation-5'Deep		40	10%	44	SF	\$ 4	\$ 158	
61		(12"x12") Grade Beam GB-1		1	10%	1	CY	\$ 98	\$ 84	
62		Reinforcement: -2#5 Top & Bottom Bars -#4@4" O.C Stirrups		254	10%	279	LBs	\$ 1	\$ 201	
63		(24"x24") Grade Beam SB-1		2	10%	3	CY	\$ 98	\$ 264	
64		Reinforcement: -3#9 Top & Bottom Bars -#4@4" O.C Stirrups		272	10%	299	LBs	\$ 1	\$ 216	
65		10"TT Concrete Slab S2-5000 PSI		6210	10%	6831	SF	\$ 6	\$ 40,986	
66		#5@12" O.C.E.W T&B		13	10%	14	TONs	\$ 1,250	\$ 17,795	
67		Addition Reinforcement #7 and #9 Bars		1	10%	1	TONs	\$ 1,250	\$ 940	
2nd Floor										
68		14"TT Concrete Slab S3-5000 PSI		1945	10%	2140	SF	\$ 8	\$ 16,046	
69		#5@12" O.C.E.W T&B		4	10%	4	TONs	\$ 1,250	\$ 5,573	
70		Addition Reinforcement #7		1	10%	1	TONs	\$ 1,250	\$ 1,017	
71		24"TT Concrete Slab S4-5000 PSI		5248	10%	5773	SF	\$ 9	\$ 49,069	
72		#5@12" O.C.E.W T&B		11	10%	12	TONs	\$ 1,250	\$ 15,038	
73		Addition Reinforcement #9 Bars		1	10%	1	TONs	\$ 1,250	\$ 1,290	

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3RD Floor											
74		8" T Concrete Slab S1-5000 PSI		5022	10%	5524	SF	\$ 5	\$ 29,831		
75		#4@12" O.C E.W T&B		7	10%	7	TONs	\$ 1,250	\$ 9,225		
76		Addition Reinforcement #7		0	10%	1	TONs	\$ 1,250	\$ 648		
77		#5 @12" O.C Hot Dip Galvanized Top Bars		0	10%	0	TONs	\$ 1,250	\$ 115		
Roof											
78		10" T Concrete Slab S2-5000 PSI		345	10%	380	SF	\$ 6	\$ 2,277		
79		#5@12" O.C E.W T&B		1	10%	1	TONs	\$ 1,250	\$ 989		
80		Addition Reinforcement #7		0	10%	0	TONs	\$ 1,250	\$ 26		
81		(24"x18") Concrete Beam B1		2	10%	2	CY	\$ 98	\$ 240		
82		Reinforcement: 3#8 Bars T&B		320	10%	352	LBs	\$ 1	\$ 254		
Roof											
83		10" T Concrete Slab S2-5000 PSI		1270	10%	1397	SF	\$ 6	\$ 8,382		
84		#5@12" O.C E.W T&B		3	10%	3	TONs	\$ 1,250	\$ 3,639		
85		Addition Reinforcement #7		0	10%	0	TONs	\$ 1,250	\$ 539		
86		Addition Reinforcement #5		0	10%	0	TONs	\$ 1,250	\$ 23		
87		4" T Concrte Mechaincal Equipment Pad		26	10%	29	SF	\$ 2	\$ 46		
88		Reinforcement: -#4@12" O.C E.W -#4 Hooked Bars @24" O.C		40	10%	44	LBs	\$ 1	\$ 32		
Bulkhead Roof											
89		8" T Concrete Slab S1-5000 PSI		108	10%	119	SF	\$ 5	\$ 642		
90		#4@12" O.C E.W T&B		0	10%	0	TONs	\$ 1,250	\$ 198		
PILES											
91		30"Dx9" Dia Concrete Piles -75KSI=36 EA		19	10%	21	LF	\$ 180	\$ 3,497		
92		Reinforcement=Assumed		2	10%	2	TONs	\$ 1,250	\$ 2,750		
PILE CAPS											
93		11"x8"11"x2'8" T Pile Cap PC-6		1	10%	11	CY	\$ 180	\$ 2,034		
94		Reinforcement: Bottom: 9-#9 & #8@12" O.C Top: 8-#9 & #8@12" O.C		1	10%	1	TONs	\$ 1,250	\$ 773		
95		11"x8"11"x2'8" T Pile Cap PC-20		33	10%	36	CY	\$ 180	\$ 6,461		
96		Reinforcement: Bottom: 9-#9 & #8@12" O.C Top: 8-#9 & #8@12" O.C		1.4	10%	2	TONs	\$ 1,250	\$ 1,937		
MISC.											
97		14"WX12"D Drain Trench		52	10%	57	LF	\$ 58	\$ 3,318		
STAIRS											
98		(3'0" W) Conc. Staris Type A		21	10%	23	cy	\$ 180	\$ 4,070		
99		Reinforcement		2	10%	2	TONs	\$ 1,250	\$ 2,063		
100		(3'0" W) Conc. Staris Type B		25	10%	27	cy	\$ 180	\$ 4,884		
101		Reinforcement		2	10%	2	TONs	\$ 1,250	\$ 2,063		
102		(3'0" W) Conc. Staris Type C		4	10%	5	cy	\$ 180	\$ 814		
103		Reinforcement		0	10%	0	TONs	\$ 1,250	\$ 413		
104		(3'0" W) Conc. Staris Type D		4	10%	4	cy	\$ 180	\$ 770		
105		Reinforcement		0	10%	0	TONs	\$ 1,250	\$ 275		
SUB TOTAL									\$ 543,731	\$ 543,731	
OVERHEAD & PROFIT (25%)									25%	\$ 135,933	\$ 135,933
TOTAL BID									\$ 679,664	\$ 679,664	
PREPARED FOR :											
PREPARED BY :											
Notes											
This estimate is based on real market prices that are regularly updated by our team persons through market surveys.											