

75 Lewis Avenue Concrete QTO

Description	A	B	C	D	Quantity	Unit	Cost Per	Sub Total	Total
Underpinning	4,000.00	psi							
SOE-100									
Underpinning	119.00	2.00	10.30		90.79	cy	\$ 1,800.00	\$ 163,426.67	
	27.00	2.00	14.00		28.00	cy	\$ 1,800.00	\$ 50,400.00	
			10% waste		11.88	cy	\$ 300.00	\$ 3,563.78	
	<u>lf</u>	<u>horiz (ea)</u>	<u>vert (ea)</u>	<u>weight</u>					
Rebar in underpinning	119.00	4.00	36.00	0.67	11,481.12	#4			
	27.00	4.00	9.00	0.67	651.24	#4			
					12,132.36	lbs	\$ 1.50	\$ 18,198.54	

Average cost for underpinning cy \$ 1,983.20

\$ 235,588.98

Foundation

4,000.00 psi

Concrete:

Plan

no date on foundation plan

Foundation

Cellar

F10.0 w/ 11#7 e	400.00	sf		2.58	38.22	cy		
F12.0 w/ 12#8 e	1,728.00	sf		3.08	197.12	cy		
F14.0 w/ 10#10	1,372.00	sf		3.50	177.85	cy		
2'6" Wide WF	52.50	sf		2.00	3.89	cy		
3'0" Wide WF	168.00	sf		2.00	12.44	cy		
4'0" Wide WF	860.00	sf		2.00	63.70	cy		
5'0" Wide WF	75.00	sf		2.00	5.56	cy		
6'0" Wide WF	2,010.00	sf		2.00	148.89	cy		
8'0" Wide WF	2,776.00	sf		2.00	205.63	cy		
30" thick MAT	766.00	sf		2.50	70.93	cy		
18" thick footing	150.00	sf		1.50	8.33	cy		

Concrete Pier

First floor	6.00		1.77	3.75	1.47	cy		
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8" Elevator pit wall

Cellar	37.00		0.66	5.00	4.52	cy		
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12" Foundation Wall

Cellar	103.00		1.00	7.00	26.70	cy		
Cellar	82.00		1.00	19.00	57.70	cy		
First floor	68.00		1.00	3.75	9.44	cy		

16" Foundation Wall

Cellar	395.00		1.33	14.33	278.82	cy		
	93.00		1.33	16.33	74.81	cy		

20" Foundation wall

Cellar	45.00		1.66	13.25	36.66	cy		
Basement	341.00		1.66	11.50	241.10	cy		

24" Foundation wall

Cellar	275.00		2.00	13.25	269.91	cy		
Cellar	105.00		2.00	14.25	110.83	cy		

Grade beam

Cellar	74.00		2.00	2.00	10.96	cy		
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2,055.51 cy \$ 350.00 \$ 719,427.96

5% waste 102.78 cy \$ 200.00 \$ 20,555.08

2,158.28 cy

Rebar reinforcing:

Foundation

Cellar

	LF/SF					
400.00	2.30	2.04	1.00	1,876.80	#7	
1,728.00	1.85	2.67	1.00	8,535.46	#8	
1,372.00	1.55	4.30	1.00	9,144.38	#10	
52.50	1.00	1.50	1.00	78.75	#6	
52.50	1.20	1.04	1.00	65.52	#5	
168.00	1.00	1.50	1.00	252.00	#6	
168.00	1.20	1.04	1.00	209.66	#5	
860.00	1.00	1.50	1.00	1,290.00	#6	
860.00	1.20	1.04	1.00	1,073.28	#5	
75.00	1.00	1.50	1.00	112.50	#6	
75.00	1.20	1.04	1.00	93.60	#5	
2,010.00	1.00	1.50	1.00	3,015.00	#6	
2,010.00	1.20	1.04	1.00	2,508.48	#5	
2,776.00	1.00	1.50	1.00	4,164.00	#6	
2,776.00	1.20	1.04	1.00	3,464.45	#5	
766.00	2.40	2.04	2.00	7,500.67	#7	
150.00	1.00	1.50	1.00	225.00	#6	
150.00	1.20	1.04	1.00	187.20	#5	

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Concrete Pier	6.00	3.75	1.50	6.00	202.50	#6			
		<i>H</i>							
8" Elevator pit wall	37.00	5.00	1.04	1.10	212.25	#5			
12" Foundation Wall	103.00	7.00	1.04	2.20	1,649.65	#5			
	103.00	7.00	1.50	2.20	2,379.30	#6			
	82.00	19.00	1.04	2.20	3,564.70	#5			
	82.00	19.00	1.50	2.20	5,141.40	#6			
	68.00	3.75	1.04	2.20	583.44	#5			
	68.00	3.75	1.50	2.20	841.50	#6			
16" foundation wall	395.00	14.33	1.04	2.20	12,950.88	#5			
	395.00	14.33	2.04	2.20	25,403.65	#7			
	93.00	16.33	1.04	2.20	3,474.76	#5			
	93.00	16.33	2.04	2.20	6,815.88	#7			
20" Foundation Wall	45.00	13.25	1.04	2.20	1,364.22	#5			
	45.00	13.25	2.04	2.20	2,675.97	#7			
	341.00	11.50	1.04	2.20	8,972.39	#5			
	341.00	11.50	2.04	2.20	17,599.69	#7			
24" Foundation Wall	275.00	13.25	1.04	2.20	8,336.90	#5			
	275.00	13.25	2.04	2.20	16,353.15	#7			
	105.00	14.25	1.04	2.20	3,423.42	#5			
	105.00	14.25	2.04	2.20	6,715.17	#7			
Grade beam	74.00	1.00	1.50	6.00	666.00	#6			
	74.00	1.00	0.70	8.00	414.40	#4			
					173,537.98				
Splice & additional			25%	splice	43,384.50				
					216,922.48	lbs	\$ 1.50	\$ 325,383.72	
Shop drawings					216,922.48	lbs	\$ 0.05	\$ 10,846.12	
Concrete pumps	1 per 100 cy		2,158.28		22.00	ea	\$ 1,500.00	\$ 33,000.00	
Waterproofing foundation					9,072.50	sf	\$ -	\$ -	Please add price Per SF accordingly

Summary	
Total CY	2,158.28
Total Rebar	216,922.48
Avg Cost per CY	\$ 513.93

Foundation \$ 1,109,212.89

Superstructure: 4,000.00 psi

Slabs									
Basement	W/ WWF	20,880.00	sf	0.50	386.67	cy			
Basement	W/ WWF	2,215.00	sf	0.43	35.28	cy			
3-1/4" LW concrete on metal deck		21,045.00	sf	0.28	218.24	cy			
total		44,140.00	sf						
				5%	waste	640.19	cy		
						32.01	cy		
						672.20	cy	\$ 600.00	\$ 403,317.83

Concrete pumps 1 per 100 cy 672.20 cy 7.00 ea \$ 1,500.00 \$ 10,500.00

Summary	
44,140.00	Total SF
672.20	Total CY
\$ 9.38	Cost per SF
\$ 615.62	Cost per CY

Superstructure \$ 413,817.83

Projected total: \$ 1,523,030.72

Description	A	B	C	D	Quantity	Unit	Cost Per	Sub Total	Total
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Exclusions:

- Union or prevailing wage labor
- Unbalanced site
- Surveying
- Buried obstructions
- Rock removal
- Mixed materials
- Contaminated soils
- Dewatering
- Testing fees
- Winter conditions
- Monitoring fees
- Engineering
- Utility excavation
- Site clearing or demolition
- Waterproofing of foundation
- Permit fees
- Construction fence
- Site work