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#### EXECUTIVE SUMMARY

Technical Assignment 2 consists of a Detailed Project Schedule, Site Layout Planning, Assemblies Estimate, Detailed Structural Systems Estimate, and General Conditions Estimate.

The Detailed Project Schedule is included to outline for the reader a more in-depth look at the project and how the phasing of the schedule will take place. In the Site Layout Planning the reader can see the major phases that will occur during steel erection with the movement of the cranes as well as the location of the staging area for the steel and how the deliveries will be made to the site.

An Assemblies Estimate is included in this report to breakdown one of the other major building components in this project. The buildings façade was chosen as the system to be included in the Assemblies Estimate.

The Detailed Structural Systems Estimate is a complete look at the entire structural building system including the foundations, slab on grade, metal deck, elevated concrete deck, and all the structural steel including the columns, beams and girders.

Finally a General Conditions Estimate is also included that outlines all the project and staffing costs included in the project.

#### ASSEMBLIES ESTIMATE

I created an assemblies estimate for the exterior of the Lehigh Valley Hospital expansion project. I took into consideration the pre-cast concrete panels, as well as the windows and the metal panels that surround the windows. The total area was taken and then each of the components were subtracted from the total in order to get a single square foot estimate that could be used to calculate the costs for each component. Some of the walls of the building do not have the metal panels around the windows and are not included in the estimate where this occurs. All costs were taken from Means Cost Works 2005. The assemblies estimate can be found on the following page titled *Table 1- Building Envelope Estimate*. The Assemblies Estimate totaled \$1,051,205.68 for the pre-cast panels and \$222,300.00 for the windows included in the buildings façade.

Division	Item - Direction of View	Total Area (SF)	Window Area (SF)	Metal Panel (SF)	Pre-cast Panel Area (SF)	Material Cost / SF	Total Material Cost	Labor Cost / SF	Total Labor Cost	Total Cost
4000	Precast Wall Panels -	4' x 8', 4" Thic	k							
	Section A - South	22,960.00	7,244.60	2,625.50	13,089.90	\$9.50	\$124,354.05	\$9.05	\$118,463.60	\$242,817.65
	Section A - East	7,738.75	1,762.20	0.00	5,976.55	\$9.50	\$56,777.23	\$9.05	\$54,087.78	\$110,865.00
	Section A - North	22,960.00	7,518.72	0.00	15,441.28	\$9.50	\$146,692.16	\$9.05	\$139,743.58	\$286,435.74
	Section B - West	16,666.50	3,054.50	477.36	13,134.64	\$9.50	\$124,779.08	\$9.05	\$118,868.49	\$243,647.57
	Section C - East	12,355.00	3,328.60	0.00	9,026.40	\$9.50	\$85,750.80	\$9.05	\$81,688.92	\$167,439.72
	Totals	82,680.25	22,908.62	3,102.86	56,668.77		\$538,353.32		\$512,852.37	\$1,051,205.68
Division	Item - Direction of View	# of Windows	Window Area (SF)	Metal Panel (SF)	Pre-cast Panel Area (SF)	Material Cost / Unit	Total Material Cost	Labor Cost / Unit	Total Labor Cost	Total Cost
4600	Windows - 8' x 4' oper	ning, standard	glazing							
	Section A - South	185.00	7,244.60	2,625.50	13,089.90	\$281.00	\$51,985.00	\$99.00	\$18,315.00	\$70,300.00
	Section A - East	45.00	1,762.20	0.00	5,976.55	\$281.00	\$12,645.00	\$99.00	\$4,455.00	\$17,100.00
	Section A - North	192.00	7,518.72	0.00	15,441.28	\$281.00	\$53,952.00	\$99.00	\$19,008.00	\$72,960.00
	Section B - West	78.00	3,054.50	477.36	13,134.64	\$281.00	\$21,918.00	\$99.00	\$7,722.00	\$29,640.00
	Section C - East	85.00	3,328.60	0.00	3,102.86	\$281.00	\$23,885.00	\$99.00	\$8,415.00	\$32,300.00
	Totals	585.00	22,908.62	3,102.86	50,745.23		\$164,385.00		\$57,915.00	\$222,300.00

Table 1 – Building Envelope Estimate

### DETAILED STRUCTURAL SYSTEMS ESTIMATE

On the following page you will find a detailed structural estimate, titled *Table 2 – Detailed Structural Estimate*, that I developed for the entire expansion part of the Lehigh Valley Hospital structural system. Included in the estimate are the concrete footings, foundation wall, slab-on-grade, beams and columns. The costs are broken down into yards of concrete or tons of steel as well as an estimate of the cost of materials, labor and equipment. The total of the complete Structural Systems Estimate was \$3,862,949.21.

Division	Item	Dims	Quan tity	Volume (CY)	Material Cost / Unit	Total Material Cost	Labor Cost / Unit	Total Labor Cost	Equip Cost / Unit	Total Equip Cost	Total Cost
3000	Footings										
	F130 - 13' x 13' x 30"		25	15.65	\$84.00	\$1,314.60	\$28.50	\$446.03	\$11.50	\$179.98	\$1,940.60
	F160 - 16' x 16' x 36"		24	28.44	\$84.00	\$2,388.96	\$28.50	\$810.54	\$11.50	\$327.06	\$3,526.56
	F200 - 20' x 20' x 44"		2	54.32	\$84.00	\$4,562.88	\$28.50	\$1,548.12	\$11.50	\$624.68	\$6,735.68
	Foundation Wall										
	1' x 4'	862.50 LF	1	127.78	\$84.00	\$10,733.52	\$28.50	\$3,641.73	\$5.00	\$638.90	\$15,014.15
	SOG 4" over 4" crushed stone		1	547.38	\$84.00	\$45,979.92	\$14.15	\$7,745.43	\$5.80	\$3,174.80	\$56,900.15
						1	Γ		Γ		
	Elevated Deck										
	1st FL 3.25" LW Concrete	55562 sq ft	1	557.33	\$84.00	\$46,815.72	\$13.10	\$7,301.02	\$5.35	\$2,981.72	\$57,098.46
	2nd FL 3.25" LW Concrete	53640 sq ft	1	538.06	\$84.00	\$45,197.04	\$13.10	\$7,048.59	\$5.35	\$2,878.62	\$55,124.25
	3rd FL 3.25" LW Concrete	44893 sq ft	1	450.32	\$84.00	\$37,826.88	\$13.10	\$5,899.19	\$5.35	\$2,409.21	\$46,135.28
	4th FL 3.25" LW Concrete	27107 sq ft	1	271.91	\$84.00	\$22,840.44	\$13.10	\$3,562.02	\$5.35	\$1,454.72	\$27,857.18
	5th FL 3.25" LW Concrete	27107 sq ft	1	271.91	\$84.00	\$22,840.44	\$13.10	\$3,562.02	\$5.35	\$1,454.72	\$27,857.18
	6th FL 3.25" LW Concrete	27107 sq ft	1	271.91	\$84.00	\$22,840.44	\$13.10	\$3,562.02	\$5.35	\$1,454.72	\$27,857.18
	7th FL 3.25" LW Concrete	27107 sq ft	1	271.91	\$84.00	\$22,840.44	\$13.10	\$3,562.02	\$5.35	\$1,454.72	\$27,857.18
	8th FL 3.25" LW Concrete	21592 sq ft	1	216.59	\$84.00	\$18,193.56	\$13.10	\$2,837.33	\$5.35	\$1,158.76	\$22,189.65
	Totals										\$376,093.49

# Table 2 – Detailed Structural Systems Estimate

Derek Snover

Lehigh Valley Hospital

5000 Columns	Length (Ft)	Quantity	Wt / Ft	Tons	Material Cost / Unit	Total Material Cost	Labor Cost / Unit	Total Labor Cost	Equip Cost / Unit	Total Equip Cost	Total Cost
W10 x 68	56.00	4	68	7.62	\$2,550.00	\$19,420.80	\$360.00	\$2,741.76	\$169.00	\$1,287.10	\$23,449.66
W12 x 45	14.00	5	45	1.58	\$2,551.00	\$4,017.83	\$361.00	\$568.58	\$170.00	\$267.75	\$4,854.15
W12 x 45	29.00	6	45	3.92	\$2,552.00	\$9,991.08	\$362.00	\$1,417.23	\$171.00	\$669.47	\$12,077.78
W12 x 50	14.00	1	50	0.35	\$2,550.00	\$892.50	\$360.00	\$126.00	\$169.00	\$59.15	\$1,077.65
W12 x 50	29.00	5	50	3.63	\$2,551.00	\$9,247.38	\$361.00	\$1,308.63	\$170.00	\$616.25	\$11,172.25
W12 x 53	14.00	12	53	4.45	\$2,552.00	\$11,361.50	\$362.00	\$1,611.62	\$171.00	\$761.29	\$13,734.42
W12 x 53	29.00	7	53	5.38	\$2,553.00	\$13,733.86	\$363.00	\$1,952.76	\$172.00	\$925.27	\$16,611.90
W12 x 53	42.00	5	53	5.57	\$2,550.00	\$14,190.75	\$360.00	\$2,003.40	\$169.00	\$940.49	\$17,134.64
W12 x 58	42.00	8	58	9.74	\$2,550.00	\$24,847.20	\$360.00	\$3,507.84	\$169.00	\$1,646.74	\$30,001.78
W12 x 65	42.00	5	65	6.83	\$2,550.00	\$17,403.75	\$360.00	\$2,457.00	\$169.00	\$1,153.43	\$21,014.18
W12 x 72	42.00	7	72	10.58	\$2,550.00	\$26,989.20	\$360.00	\$3,810.24	\$169.00	\$1,788.70	\$32,588.14
W12 x 87	42.00	12	87	21.92	\$2,551.00	\$55,928.12	\$361.00	\$7,914.56	\$170.00	\$3,727.08	\$67,569.77
W12 x 96	42.00	8	96	16.13	\$2,552.00	\$41,158.66	\$362.00	\$5,838.34	\$171.00	\$2,757.89	\$49,754.88
W12 x 10	6 42.00	17	106	37.84	\$2,550.00	\$96,497.10	\$360.00	\$13,623.12	\$169.00	\$6,395.30	\$116,515.52
W12 x 12	0 42.00	8	120	20.16	\$2,550.00	\$51,408.00	\$360.00	\$7,257.60	\$169.00	\$3,407.04	\$62,072.64
W12 x 13	6 42.00	6	136	17.14	\$2,550.00	\$43,696.80	\$360.00	\$6,168.96	\$169.00	\$2,895.98	\$52,761.74
W14 x 61	29.00	2	61	1.77	\$2,552.00	\$4,514.49	\$362.00	\$640.38	\$171.00	\$302.50	\$5,457.37
W14 x 74	29.00	4	74	4.29	\$2,553.00	\$10,957.48	\$363.00	\$1,558.00	\$172.00	\$738.22	\$13,253.70
W14 x 74	42.00	2	74	3.11	\$2,554.00	\$7,937.83	\$364.00	\$1,131.31	\$173.00	\$537.68	\$9,606.83
W14 x 82	29.00	7	82	8.32	\$2,555.00	\$21,265.27	\$365.00	\$3,037.90	\$174.00	\$1,448.20	\$25,751.36
W14 x 90	29.00	2	90	2.61	\$2,556.00	\$6,671.16	\$366.00	\$955.26	\$175.00	\$456.75	\$8,083.17
W14 x 90	42.00	2	90	3.78	\$2,550.00	\$9,639.00	\$360.00	\$1,360.80	\$169.00	\$638.82	\$11,638.62
W14 x 99	42.00	2	99	4.16	\$2,551.00	\$10,607.06	\$361.00	\$1,501.04	\$170.00	\$706.86	\$12,814.96
W14 x 10	9 42.00	3	109	6.87	\$2,550.00	\$17,510.85	\$360.00	\$2,472.12	\$169.00	\$1,160.52	\$21,143.49
W14 x 12	0 42.00	2	120	5.04	\$2,550.00	\$12,852.00	\$360.00	\$1,814.40	\$169.00	\$851.76	\$15,518.16
W14 x 12	2 42.00	12	122	30.74	\$2,550.00	\$78,397.20	\$360.00	\$11,067.84	\$169.00	\$5,195.74	\$94,660.78
W14 x 14	5 42.00	8	145	24.36	\$2,550.00	\$62,118.00	\$360.00	\$8,769.60	\$169.00	\$4,116.84	\$75,004.44
W14 x 15	9 42.00	7	159	23.37	\$2,550.00	\$59,601.15	\$360.00	\$8,414.28	\$169.00	\$3,950.04	\$71,965.47
W14 x 17	6 42.00	2	176	7.39	\$2,550.00	\$18,849.60	\$360.00	\$2,661.12	\$169.00	\$1,249.25	\$22,759.97
W18 x 31	56.00	8	31	6.94	\$2,550.00	\$17,707.20	\$360.00	\$2,499.84	\$169.00	\$1,173.54	\$21,380.58
W18 x 31	42.00	12	31	7.81	\$2,550.00	\$19,920.60	\$360.00	\$2,812.32	\$169.00	\$1,320.23	\$24,053.15
W21 x 13	6 42.00	2	136	5.71	\$2,550.00	\$14,565.60	\$360.00	\$2,056.32	\$169.00	\$965.33	\$17,587.25
Totals		193		319.10		\$813,899.01		\$115,060.15		\$54,111.19	\$983,070.35

Beams	Length (Ft)	Quantity	Wt / Ft	Tons	Material Cost / Unit	Total Material Cost	Labor Cost / Unit	Total Labor Cost	Equip Cost / Unit	Total Equip Cost	Total Cost
Section A Floors 1-7											
W14 x 22	33.00	14	22	5.08	\$2,550.00	\$12,959.10	\$360.00	\$1,829.52	\$169.00	\$858.86	\$15,647.48
W16 x 26	33.00	245	26	105.11	\$2,550.00	\$268,017.75	\$360.00	\$37,837.80	\$169.00	\$17,762.75	\$323,618.30
W18 x 35	36.00	35	35	22.05	\$2,550.00	\$56,227.50	\$360.00	\$7,938.00	\$169.00	\$3,726.45	\$67,891.95
W18 x 40	19.50	42	40	16.38	\$2,550.00	\$41,769.00	\$360.00	\$5,896.80	\$169.00	\$2,768.22	\$50,434.02
W21 x 57	36.00	70	57	71.82	\$2,550.00	\$183,141.00	\$360.00	\$25,855.20	\$169.00	\$12,137.58	\$221,133.78
W24 x 62	28.00	56	62	48.61	\$2,550.00	\$123,950.40	\$360.00	\$17,498.88	\$169.00	\$8,214.75	\$149,664.03
W24 x 84	28.00	42	84	49.39	\$2,550.00	\$125,949.60	\$360.00	\$17,781.12	\$169.00	\$8,347.25	\$152,077.97
W24 x 103	47.50	14	103	34.25	\$2,550.00	\$87,331.13	\$360.00	\$12,329.10	\$169.00	\$5,787.83	\$105,448.05
Section A Floor 8											
W14 x 22	18.00	1	22	0.20	\$2,550.00	\$504.90	\$360.00	\$71.28	\$169.00	\$33.46	\$609.64
W16 x 26	18.00	1	26	0.23	\$2,550.00	\$596.70	\$360.00	\$84.24	\$169.00	\$39.55	\$720.49
W16 x 26	33.00	1	26	0.43	\$2,550.00	\$1,093.95	\$360.00	\$154.44	\$169.00	\$72.50	\$1,320.89
W18 x 35	36.00	1	35	0.63	\$2,550.00	\$1,606.50	\$360.00	\$226.80	\$169.00	\$106.47	\$1,939.77
W24 x 62	47.50	1	62	1.47	\$2,550.00	\$3,754.88	\$360.00	\$530.10	\$169.00	\$248.85	\$4,533.83
Section B Floors 1-7											
W12 x 19	17.83	147	19	24.90	\$2,550.00	\$63,493.97	\$360.00	\$8,963.85	\$169.00	\$4,208.03	\$76,665.85
W14 x 22	28.00	49	22	15.09	\$2,550.00	\$38,484.60	\$360.00	\$5,433.12	\$169.00	\$2,550.55	\$46,468.27
W16 x 26	32.00	133	26	55.33	\$2,550.00	\$141,086.40	\$360.00	\$19,918.08	\$169.00	\$9,350.43	\$170,354.91
W18 x 35	36.00	63	35	39.69	\$2,550.00	\$101,209.50	\$360.00	\$14,288.40	\$169.00	\$6,707.61	\$122,205.51
W21 x 57	36.00	49	57	50.27	\$2,550.00	\$128,198.70	\$360.00	\$18,098.64	\$169.00	\$8,496.31	\$154,793.65
W24 x 62	24.00	14	62	10.42	\$2,550.00	\$26,560.80	\$360.00	\$3,749.76	\$169.00	\$1,760.30	\$32,070.86
Section B Floor 8											
W12 x 19	18.00	1	19	0.17	\$2,550.00	\$436.05	\$360.00	\$61.56	\$169.00	\$28.90	\$526.51
W16 x 26	28.00	1	26	0.36	\$2,550.00	\$928.20	\$360.00	\$131.04	\$169.00	\$61.52	\$1,120.76
W18 x 35	28.00	1	35	0.49	\$2,550.00	\$1,249.50	\$360.00	\$176.40	\$169.00	\$82.81	\$1,508.71
W21 x 57	36.00	1	57	1.03	\$2,550.00	\$2,616.30	\$360.00	\$369.36	\$169.00	\$173.39	\$3,159.05
Section C Floors 1-7											
W12 x 19	15.00	70	19	9.98	\$2,550.00	\$25,436.25	\$360.00	\$3,591.00	\$169.00	\$1,685.78	\$30,713.03
W16 x 26	33.00	84	26	36.04	\$2,550.00	\$91,891.80	\$360.00	\$12,972.96	\$169.00	\$6,090.08	\$110,954.84
W18 x 40	19.50	28	40	10.92	\$2,550.00	\$27,846.00	\$360.00	\$3,931.20	\$169.00	\$1,845.48	\$33,622.68
W21 x 57	33.00	161	57	151.42	\$2,550.00	\$386,122.28	\$360.00	\$54,511.38	\$169.00	\$25,590.06	\$466,223.72
W24 x 62	28.00	56	62	48.61	\$2,550.00	\$123,950.40	\$360.00	\$17,498.88	\$169.00	\$8,214.75	\$149,664.03

Total Structural E	stimate		l			1					\$3,862,949.21
Totals		1382		810.47		\$2,066,691.73		\$291,768.24		\$136,968.98	\$2,503,785.36
W24 x 62	18.00	1	62	0.56	\$2,550.00	\$1,422.90	\$360.00	\$200.88	\$169.00	\$94.30	\$1,718.08
W21 x 57	33.00	1	57	0.94	\$2,550.00	\$2,398.28	\$360.00	\$338.58	\$169.00	\$158.94	\$2,895.80
W18 x 40	33.00	1	40	0.66	\$2,550.00	\$1,683.00	\$360.00	\$237.60	\$169.00	\$111.54	\$2,032.14
W16 x 26	33.00	1	26	0.43	\$2,550.00	\$1,093.95	\$360.00	\$154.44	\$169.00	\$72.50	\$1,320.89
W14 x 22	11.50	1	22	0.13	\$2,550.00	\$322.58	\$360.00	\$45.54	\$169.00	\$21.38	\$389.49
W12 x 19	11.50	1	19	0.11	\$2,550.00	\$278.59	\$360.00	\$39.33	\$169.00	\$18.46	\$336.38
Section C Floor 8											

# Table 2 – Detailed Structural Systems Estimate

### GENERAL CONDITIONS ESTIMATE

I have prepared a general conditions estimate for the Lehigh Valley Hospital expansion project. I have included project and staffing costs along with temporary facilities and miscellaneous items to give a total estimate of the general conditions. The total costs of the Conditions Estimate came in at \$7,174,668.00.

Category	Item	Quantity	Unit	Time (Months)	Unit Cost (\$)	Cost / Month (\$)	Total Cost (\$)
Fee							
	GC Fee	2.50%	Job	33	\$4,537,500.00	\$137,500.00	\$4,537,500.00
Bonds/Ins	urance						
	Bonds (Performance)	0.60%	Job	33	\$1,089,000.00	\$33,000.00	\$1,089,000.00
	Insurance (Builders Risk)	0.24%	Job	33	\$435,600.00	\$13,200.00	\$435,600.00
Staffing					-	_	
	Division VP	1	Ea.	6		\$15,000.00	\$90,000.00
	Senior PM	1	Ea.	34		\$10,000.00	\$340,000.00
	Superintendent	1	Ea.	34		\$6,900.00	\$234,600.00
	Project Manager	1	Ea.	34		\$7,400.00	\$251,600.00
	Project Engineer	1	Ea.	20		\$3,500.00	\$70,000.00
	Field Engineer	1	Ea.	20		\$3,100.00	\$62,000.00
Temporar	y Utilites			1			
	Temporary Electrical	1	Ea.	33		\$250.00	\$8,250.00
	Temporary Lighting	1	Ea.	29		\$18.00	\$522.00
	Temporary Heating	1	Ea.	9		\$36.00	\$324.00
	Portable Toilets	3	Ea.	33		\$159.00	\$5,247.00
Office Sup	oport			I			
	Trailer (10' x 40')	2	Ea.	33		\$254.00	\$8,382.00
	Office Supplies	1	Ea.	33		\$85.00	\$2,805.00
	Telephone / Internet	1	Ea.	33		\$204.00	\$6,732.00
	Trailer Lights / HVAC	1	Ea.	33		\$98.00	\$3,234.00
	Copy Machine	2	Ea.	33	\$6,300.00		\$6,300.00
Miscellane							
	Dumpster (Pulled Weekly)	4	Ea.	33		\$665.00	\$21,945.00
	Tempory Fencing	1000	LF	33		\$19.00	\$627.00
	Totals					\$231,388.00	\$7,174,668.00

# Table 3 – General Conditions Estimate

### DETAILED PROJECT SCHEDULE

You will find the Detailed Project Schedule that was further developed from the General Project Schedule from Technical Assignment 1 included on the following pages. The schedule was broken down into the major systems components including foundations, structural steel, building envelope, finishes, mechanical, electrical and sprinklers for the each of the three sections of the building. The phases for each section were used in order to keep the schedule from becoming too long. Overlapping of the schedule will allow for further time savings throughout the project.

	Task Name	Duration	Start	Finish	2006 2007 2008 2009	
					2nd Q 3rd Qi 4th Qi 1st Qi 2nd Q 3rd Qi 4th Qi 1st Qi 2nd Q 3rd Qi 4th Qi 1st Qi 2nd C 3rd Qi 4th Qi 1st Qi 2	
1	Start Construction	1 alau	Map CM 2/05	Mon 6/13/05	Apr Jul Oct Jan A	Apr J.
		1 day	Mon 6/13/05			
2	Temp Lots/Site Prep	20 days?	Tue 6/14/05	Mon 7/11/05	Jemp Lots/Site Prep	
3	Mobilize	15 days	Tue 7/12/05	Mon 8/1/05	Mobilize	
4	Excavation	40 days	Tue 8/2/05	Mon 9/26/05	Lymme Excavation	
5	Form Foundation Wall - A	10 days	Mon 7/18/05	Fri 7/29/05	Form Foundation Wall - A	
6	Form Foundation Wall - B	5 days	Mon 8/1/05	Fri 8/5/05	Form Foundation Wall - B	
7	Form Foundation Wall - C	8 days	Mon 8/8/05	Wed 8/17/05	Form Foundation Wall - C	
8	Form Footings - A	10 days	Mon 7/18/05	Fri 7/29/05	Form Footings - A	
9	Form Footings - B	5 days	Mon 8/1/05	Fri 8/5/05	Form Footings - B	
10	Form Footings - C	8 days	Mon 8/8/05	Wed 8/17/05	Form Footings - C	
11	Pour Foundation Walls	2 days	Thu 8/18/05	Fri 8/19/05	Pour Foundation Walls	
12	Pour Footings	4 days	Mon 8/1/05	Thu 8/4/05	Pour Footings	
13	Pour Slab on Grade - A	8 days	Fri 8/5/05	Tue 8/16/05	Pour Slab on Grade - A	
14	Pour Slab on Grade - B	5 days	Wed 8/17/05	Tue 8/23/05	Pour Slab on Grade - B	
15	Pour Slab on Grade - C	10 days	Wed 8/24/05	Tue 9/6/05	Pour Slab on Grade - C	
16	Erect Steel 1st Floor - A	5 days	Wed 9/7/05	Tue 9/13/05	Frect Steel 1st Floor - A	
17	Erect Steel 2nd Floor - A	8 days	Wed 9/14/05	Fri 9/23/05	Frect Steel 2nd Floor - A	
18	Erect Steel 3rd Floor - A	5 days	Mon 9/26/05	Fri 9/30/05	Frect Steel 3rd Floor - A	
19	Erect Steel 4th Floor - A	5 days	Mon 10/3/05	Fri 10/7/05	Frect Steel 4th Floor - A	
20	Erect Steel 5th Floor - A	5 days	Mon 10/10/05	Fri 10/14/05	Frect Steel 5th Floor - A	
21	Erect Steel 6th Floor - A	5 days	Mon 10/17/05	Fri 10/21/05	Frect Steel 6th Floor - A	
22	Erect Steel 7th Floor - A	5 days	Mon 10/24/05	Fri 10/28/05	Frect Steel 7th Floor - A	
23	Erect Steel 8th Floor - A	5 days	Mon 10/31/05	Fri 11/4/05	Frect Steel 8th Floor - A	
24	Erect Steel 1st Floor - B	2 days	Mon 11/7/05	Tue 11/8/05	Erect Steel 1st Floor - B	
25	Erect Steel 2nd Floor - B	2 days	Wed 11/9/05	Thu 11/10/05	Frect Steel 2nd Floor • B	
26	Erect Steel 3rd Floor - B	2 days	Fri 11/11/05	Mon 11/14/05	Erect Steel 3rd Floor - B	
27	Erect Steel 4th Floor - B	2 days		Wed 11/16/05	Frect Steel 4th Floor - B	

	Task Name	Duration	Start	Finish					2006				2007				2008				2009		
															3rd Q								
28	Erect Steel 5th Floor - B	2 days	Thu 11/17/05	Fri 11/18/05	Apr	Jul		Det N Fi		Apr teel 5t	Jul th Floo	Oct	Jan	Apr	Jul	Oct	Jan	Apr	Jul	Oct	Jan	Apr	J
29	Erect Steel 6th Floor - B	2 days 2 days	Mon 11/21/05	Tue 11/22/05			114	<u> </u>			th Floc												
30	Erect Steel 7th Floor - B	2 days 2 days	Wed 11/23/05					-			th Floo												
31	Erect Steel 8th Floor - B	, ,						لللنغ			th Flo												
32		2 days		Mon 11/28/05			- i I .	<u> </u>															
33	Erect Steel 1st Floor - C	4 days	Tue 11/29/05	Fri 12/2/05				<u></u>	1		st Flo									- - - - - - - - -			
	Erect Steel 2nd Floor - C	4 days	Mon 12/5/05	Thu 12/8/05				-			2nd Fl												
34	Erect Steel 3rd Floor - C	4 days		Wed 12/14/05				1.1	E		3rd Fl												
35	Erect Steel 4th Floor - C	4 days	Thu 12/15/05					124	<b>_</b>		4th Fl												
36	Erect Steel 5th Floor - C	4 days	Wed 12/21/05								5th Fl		C							8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9			
37	Metal Deck 1st Floor - A	5 days	Mon 9/26/05	Fri 9/30/05							loor -												
38	Metal Deck 2nd Floor - A	5 days	Mon 10/3/05	Fri 10/7/05			12				Floor												
39	Metal Deck 3rd Floor - A	5 days	Mon 10/10/05	Fri 10/14/05			H	Met	al Dec	k 3rd	Floor	- 6											
40	Metal Deck 4th Floor - A	5 days	Mon 10/17/05	Fri 10/21/05			4	Me	tal De	ck 4th	Floor	- A											
41	Metal Deck 5th Floor - A	5 days	Mon 10/24/05	Fri 10/28/05			4	Ме	tal De	ck 5th	n Floor	- A											
42	Metal Deck 6th Floor - A	5 days	Mon 10/31/05	Fri 11/4/05			4	М	etal Do	ck 6tl	h Floo	r - A								- - - - - - - - - - - - - - - - - - -			
43	Metal Deck 7th Floor - A	5 days	Mon 11/7/05	Fri 11/11/05			•	м	etal D	eck 7t	h Floo	r - A											
44	Metal Deck 8th Floor - A	5 days	Mon 11/14/05	Fri 11/18/05			5	M	letal D	eck 8	th Floc	)r - A											
45	Metal Deck 1st Floor - B	2 days	Fri 11/11/05	Mon 11/14/05			4	M	etal D	eck 1s	st Floo	г.В											
46	Metal Deck 2nd Floor - B	2 days	Tue 11/15/05	Wed 11/16/05			5		letal D	eck 2r	nd Flo	or - B								- - - - - - - -			
47	Metal Deck 3rd Floor - B	2 days	Thu 11/17/05	Fri 11/18/05			l F		letal D	eck 3	rd Floo	or - B											
48	Metal Deck 4th Floor - B	2 days	Mon 11/21/05	Tue 11/22/05					letal [	eck 4	th Floo	or - B											
49	Metal Deck 5th Floor - B	2 days	Wed 11/23/05	Thu 11/24/05					letal I	eck 5	th Flo	or - B											
50	Metal Deck 6th Floor - B	2 days	Fri 11/25/05	Mon 11/28/05				L.	detal l	)eck 6	th Flo	or - B											
51	Metal Deck 7th Floor - B	2 days	Tue 11/29/05	Wed 11/30/05				F	Metal	Deck 7	th Flo	or - B								2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			
52	Metal Deck 8th Floor - B	2 days	Thu 12/1/05	Fri 12/2/05				5	Metal	Deck (	Sth Flo	or - B											
53	Metal Deck 1st Floor - C	4 days	Mon 12/5/05	Thu 12/8/05				4	Metal	Deck	1st Flo	or - C											
54	Metal Deck 2nd Floor - C	4 days	Fri 12/9/05	Wed 12/14/05				<u> </u>			2nd Fl												

	Task Name	Duration	Start	Finish					2006				2007				2008				2009		
							_					QI 4th Q											
55	Metal Deck 3rd Floor - C	4 days	Thu 124505	Tue 12/20/05	Apr	Jul			Jan   Metal	<u> </u>	Jul	Oct Floor -	Jan C	Apr	Jul	Oct	Jan	Apr	Jul	Oct	Jan	Apr	JL
56	Metal Deck 4th Floor - C			Mon 12/26/05					_			Floor -											
57		4 days							<b>_</b> i														
	Metal Deck 5th Floor - C	4 days						1				Floor -	L	- 	- - - - - - - - - - - - - - - - - - -								
58	Pour Deck 1st Floor - A	4 days					-		Deck														
59	Pour Deck 2nd Floor - A	4 days		Wed 10/19/05			4		r Deck														
60	Pour Deck 3rd Floor - A	4 days	Thu 10/20/05	Tue 10/25/05			M	Pou	ır Deci	k 3rd	Floo	r - A											
61	Pour Deck 4th Floor - A	4 days	Wed 10/26/05	Mon 10/31/05				Pot	ur Dec	k 4th	Floc	)r - A											
62	Pour Deck 5th Floor - A	4 days	Tue 11/1/05	Fri 11/4/05			4	+ Po	ur Dec	k 5th	Flo	э <b>г</b> - А											
63	Pour Deck 6th Floor - A	4 days	Mon 11/7/05	Thu 11/10/05			4	H-Po	ur Dec	ck 6th	n Flo	or - A											
64	Pour Deck 7th Floor - A	4 days	Fri 11/11/05	Wed 11/16/05			4	H Po	our De	ck 7tl	h Flo	or - A											
65	Pour Deck 8th Floor - A	4 days	Thu 11/17/05	Tue 11/22/05				▶ P	our De	ck 8t	h Flo	or - A											
66	Pour Deck 1st Floor - B	2 days	Thu 11/17/05	Fri 11/18/05				P	our De	ck 1s	st Flo	or - B			8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9								
67	Pour Deck 2nd Floor - B	2 days	Mon 11/21/05	Tue 11/22/05				<b>H</b> P	our De	ck 2n	nd Fl	oor - B											
68	Pour Deck 3rd Floor - B	2 days	Wed 11/23/05	Thu 11/24/05				<b>P</b>	our De	ck 3r	d Fle	oor B											
69	Pour Deck 4th Floor - B	2 days	Fri 11/25/05	Mon 11/28/05				<b>P</b>	our De	eck 4	th Fl	оог В											
70	Pour Deck 5th Floor - B	2 days	Tue 11/29/05	Wed 11/30/05				ц,	our De	eck 51	th Fl	oor - B											
71	Pour Deck 6th Floor - B	2 days	Thu 12/1/05	Fri 12/2/05				<b>F</b>	our D	eck 6	th Fl	oor - B											
72	Pour Deck 7th Floor - B	2 days	Mon 12/5/05	Tue 12/6/05				<b>F</b>	our D	eck 7	'th Fl	oor - B											
73	Pour Deck 8th Floor - B	2 days	Wed 12/7/05	Thu 12/8/05				5	Pour D	eck 8	th F	loor - B											
74	Pour Deck 1st Floor - C	3 days	Thu 12/15/05	Mon 12/19/05				4	Pour I	Deck	1st i	loor - C	-										
75	Pour Deck 2nd Floor - C	3 days	Tue 12/20/05	Thu 12/22/05				4	Pour	Deck	2nd	Floor -	¢		- - - - - - - - - - - -								
76	Pour Deck 3rd Floor - C	3 days	Fri 12/23/05	Tue 12/27/05				4	Pour	Deck	3rd	Floor -	¢										
77	Pour Deck 4th Floor - C	3 days	Wed 12/28/05	Fri 12/30/05				4	Pour	Deck	4th	Floor -	¢										
78	Pour Deck 5th Floor - C	3 days	Mon 1/2/06	Wed 1/4/06				4	Pour	Deck	e 5th	Floor -	c										
79	Envelope North Wall - A	44 days	Wed 11/23/05	Mon 1/23/06				L	-Env	elope	e Nor	th V/all	A										
80	Evelope East Wall - A	22 days	Tue 1/24/06	Wed 2/22/06					<b>)</b>	velop	e Ea	st Wall	A										
81	Evelope South Wall - A	44 daγs	Thu 2/23/06	Tue 4/25/06					<b>.</b>	Eve	elop	e South	Wall -	A									

	Task Name	Duration	Start	Finish				2006				200			L	2008				2009		
					2nd ( Apr	3rd Q Jul	4th Qi Oct	(1st Q Jan	2nd ( Apr	G 3r J		iQ(1st) xt Jan	_		≷ 4th G Oct	⊭1st G Jan		3rd Q Jul	4th Q Oct		2nd ( Apr	3 3ri Ji
82	Evelope West Wall - B	60 days	Wed 4/26/06	Tue 7/18/06		- OGI	001	ourr		-		e West	· ·	_	001	ourr		Joan		ourr		-
83	Evelope East Wall - C	70 days	Wed 7/19/06	Tue 10/24/06						4		velope	East \	Mall - C								
84	1st Floor Finishes - A	28 days	Wed 4/26/06	Fri 6/2/06						1st	Floor I	Finishe	s-A									
85	2nd Floor Finishes - A	28 days	Mon 6/5/06	Wed 7/12/06					4		2nd Flo	or Finis	shes -	A								
86	3rd Floor Finishes - A	28 days	Thu 7/13/06	Mon 8/21/06						<b>\$</b>	-3rd F	loor Fi	nishes	- A								
87	4th Floor Finishes - A	28 days	Tue 8/22/06	Thu 9/28/06						G	_4t	h Floor	Finish	es - A								
88	5th Floor Finishes - A	28 days	Fri 9/29/06	Tue 11/7/06							5	5th Flo	or Fini	shes -	A							
89	6th Floor Finishes - A	28 days	Wed 11/8/06	Fri 12/15/06							4	6th I	loor F	inishe	s - A				5 5 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8			
90	7th Floor Finishes - A	28 days	Mon 12/18/06	Wed 1/24/07								יק-של	h Floo	r Finis	hes - i	A						
91	1st Floor Finishes - B	14 days	Thu 1/25/07	Tue 2/13/07								- <b>F</b>	lst Flo	or Fini	shes	в						
92	2nd Floor Finishes - B	14 days	Wed 2/14/07	Mon 3/5/07								<b>•</b>	2nd F	loor Fi	nishe	s - B			- 			
93	3rd Floor Finishes - B	14 days	Tue 3/6/07	Fri 3/23/07								- <b>-</b>	-3rd	Floor F	inishe	≫s-B						
94	4th Floor Finishes - B	14 days	Mon 3/26/07	Thu 4/12/07									ath 🖌	Floor	Finish	ies - B						
95	5th Floor Finishes - B	14 days	Fri 4/13/07	Wed 5/2/07									<b>6</b>	th Floo	r Finis	hes -	в					
96	6th Floor Finishes - B	14 days	Thu 5/3/07	Tue 5/22/07									<b>F</b>	6th Flo	or Fin	ishes	- В					
97	7th Floor Finishes - B	14 days	Wed 5/23/07	Mon 6/11/07									<b>•</b>	7th Fl	loor Fi	nishe	s - B					
98	1st Floor Finishes - C	18 days	Tue 6/12/07	Thu 7/5/07					8 8 9 9 9 9 9 9 8 8 8 8				<b></b>	1st	Floor I	Finish	es - C					
99	2nd Floor Finishes - C	18 days	Fri 7/6/07	Tue 7/31/07									[	• •								
100	3rd Floor Finishes - C	18 days	Wed 8/1/07	Fri 8/24/07										<b>5</b>	3rd Flo	or Fin	ishes	- C				
101	4th Floor Finishes - C	18 days	Mon 8/27/07	Wed 9/19/07										<b>•</b>	4th F	loor Fi	inishe	s-C	- - - - - - - - - - - - -			
102	5th Floor Finishes - C	18 days	Thu 9/20/07	Mon 10/15/07										<b></b>	🧧 5th	Floor	Finish	nes - C				
103	Elevators Install	5 days	Wed 10/17/07	Tue 10/23/07											-Ele	vator	s Insta	al	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			
104	Elevators Test	2 days	Wed 10/24/07	Thu 10/25/07											Ele	vator	s Test					
105	Duct 1st Floor - A	8 days	Mon 11/20/06	Wed 11/29/06								-Duct	1st Flo	or - A								
106	Duct 2nd Floor - A	8 days	Thu 11/30/06	Mon 12/11/06							4	Duct	2nd Fl	oor - A	L.							
107	Duct 3rd Floor - A	8 days	Tue 12/12/06	Thu 12/21/06								Duc 🖌	t 3rd Fl	loor - i	4				2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			
108	Duct 4th Floor - A	8 daγs	Fri 12/22/06	Tue 1/2/07								<b>D</b> u	et 4th F	Floor -	A							

	Task Name	Duration	Start	Finish				2006				07				2008				2009		
							4th Q				 											_
109	Duct 5th Floor - A	8 days	Wed 1/3/07	Fri 1/12/07	Apr	Jul	Oct	Jan	Apr	Jul			_	Jul  oor - )	Oct	Jan	Apr	Jul	Oct	Jan	Apr	J
110	Duct 6th Floor - A	8 days	Mon 1/15/07	Wed 1/24/07										loor -								
111	Duct 7th Floor - A	8 days	Thu 1/25/07	Mon 2/5/07										Floor								
112	Duct 1st Floor - B	,	Fri 12/22/06	Tue 1/2/07										00r - E								
112		8 days									-											
	Duct 2nd Floor - B	8 days	Wed 1/3/07	Fri 1/12/07										loor -								
114	Duct 3rd Floor - B	8 days	Mon 1/15/07	Wed 1/24/07								<b>_</b>	c sra i	Floor	Б							
115	Duct 4th Floor - B	8 days	Thu 1/25/07	Mon 2/5/07											_							
116	Duct 5th Floor - B	8 days	Tue 2/6/07	Thu 2/15/07										Floor								
117	Duct 6th Floor - B	8 days	Fri 2/16/07	Tue 2/27/07								<u> </u>		h Floo								
118	Duct 7th Floor - B	8 days	Wed 2/28/07	Fri 3/9/07										th Floo								
119	Duct 1st Floor - C	6 days	Thu 1/25/07	Thu 2/1 <i>1</i> 07								Duc	t 1st	Floor	- C							
120	Duct 2nd Floor - C	6 days	Fri 2/2/07	Fri 2/9/07							4	Dù	ct 2nd	l Floor	- C							
j 121	Duct 3rd Floor - C	6 days	Mon 2/12/07	Mon 2/19/07							4	<mark>  P</mark> u	ict 3rc	i Floo	r - C							
122	Duct 4th Floor - C	6 days	Tue 2/20/07	Tue 2/27/07								<b>p</b>	uct 4t	h Floo	г - C							
123	Duct 5th Floor - C	6 days	Wed 2/28/07	Wed 3/7/07								<b>H</b> D	uct St	h Floc	ог - C							
124	Sprinklers 1st Floor - A	8 days	Tue 12/12/06	Thu 12/21/06							<mark>→</mark> ȘI	orinik	ders	1st Flo	oor - A	1						
125	Sprinklers 2nd Floor - A	8 days	Fri 12/22/06	Tue 1/2/07							<b>5</b>	prin	klers	2nd F	loor -	A						
126	Sprinklers 3rd Floor - A	8 days	Wed 1/3/07	Fri 1/12/07								Sprir	nklers	s 3rd F	loor ·	A						
127	Sprinklers 4th Floor - A	8 days	Mon 1/15/07	Wed 1/24/07							5	Spri	nkler	s4th	Floor	A						
128	Sprinklers 5th Floor - A	8 days	Thu 1/25/07	Mon 2/5/07								Şpi	inkle	rs 5th	Floo	- A						
129	Sprinklers 6th Floor - A	8 days	Tue 2/6/07	Thu 2/15/07							5	Şp	rinkle	ers 6tl	n Floo	r-A						
130	Sprinklers 7th Floor - A	8 days	Fri 2/16/07	Tue 2/27/07								 SI	prinkl	ers 7t	h Flo	or - A						
131	Sprinklers 8th Floor - A	8 days	Wed 2/28/07	Fri 3/9/07								-				or - A						
132	Sprinklers 1st Floor - B	4 days	Thu 1/25/07	Tue 1/30/07								Şpri	inklei	s 1st	Floor	- B						
133	Sprinklers 2nd Floor - B	4 days	Wed 1/31/07	Mon 2/5/07								_		rs 2na		1						
134	Sprinklers 3rd Floor - B	4 days	Tue 2/6/07	Fri 2/9/07										rs 3rc								
135	Sprinklers 4th Floor - B	4 days	Mon 2/12/07	Thu 2/15/07							ģ	 Ļ\$p	rinkle	ers 4ti	n Floo	r - B						

	Task Name	Duration	Start	Finish				2006				2007				2008				2009		
					2nd 0 Apr	3rd Q Jul	4th Qi Oct		2nd G Apr	3rd Q Jul	4th Q Oct	(1stG Jan	2nd G Apr	3rd G Jul	શે 4th Qi Oct	1st Q Jan	2nd G Apr	3rd Q Jul	4th Q Oct	1st Q Jan		3 3rd Ju
136	Sprinklers 5th Floor - B	4 days	Fri 2/16/07	Wed 2/21/07	Арі	Juli	001	Jan	Арі	Jui	100		· ·		ith Floo		Apr	Jui	001	Jan	Арі	
137	Sprinklers 6th Floor - B	4 days	Thu 2/22/07	Tue 2/27/07								_			6th Floo							
138	Sprinklers 7th Floor - B	4 days	Wed 2/28/07	Mon 3/5/07								<u> </u>	\$prink	ders	7th Flo	or - B						
139	Sprinklers 8th Floor - B	4 days	Tue 3/6/07	Fri 3/9/07								-			8th Flo		8 8 8 8 8 8	8 8 9 8 8 8 8	8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9			
140	Sprinklers 1st Floor - C	5 days	Mon 3/12/07	Fri 3/16/07									4		1st Flo							
141	Sprinklers 2nd Floor - C	5 days	Mon 3/19/07	Fri 3/23/07								ļ ,	Şprir	klers	s 2nd Fl	оог -	c		* * * * *			
142	Sprinklers 3rd Floor - C	5 days	Mon 3/26/07	Fri 3/30/07								-	<u> </u>		s 3rd Fl							
143	Sprinklers 4th Floor - C	5 days	Mon 4/2/07	Fri 4/6/07								Ĺ				8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8					
144	Sprinklers 5th Floor - C	5 days	Mon 4/9/07	Fri 4/13/07								[	Spr	inkle	rs 5th F	loor -	с					
145	Electric Rough In 1st Floor - A	6 days	Mon 4/16/07	Mon 4/23/07									Ele	ctric	Rough	ln 1st	Floor	- A				
146	- Electric Rough In 2nd Floor - A	6 days	Tue 4/24/07	Tue 5/1/07									Ele	ctric	Rough	In 2n	d Floo	r-A				
147	Electric Rough In 3rd Floor - A	6 days	Wed 5/2/07	Wed 5/9/07									EI	ectric	Rough	n In 3r	d Floo	r - A				
148	Electric Rough In 4th Floor - A	6 days	Thu 5/10/07	Thu 5/17/07									F	lectri	c Rougi	h In 4t	h Floo	r-A	8 9 9 9 9 9 9 8 8 8			
149	Electric Rough In 5th Floor - A	6 days	Fri 5/18/07	Fri 5/25/07										lectri	i¢ Roug	h In 5	th Flo	ог - A				
150	Electric Rough In 6th Floor - A	6 days	Mon 5/28/07	Mon 6/4/07									<b>F</b>	Electr	ic Rou	gh In 6	ith Flo	or - A				
151	Electric Rough In 7th Floor - A	6 days	Tue 6/5/07	Tue 6/12/07										Elect	ric Rou	gh In	7th Flo	ог - А	6			
152	Electric Rough In 8th Floor - A	6 days	Wed 6/13/07	Wed 6/20/07									<b>L</b>	Elect	tric Rou	igh In	8th Fl	oor - A	5			
153	Electric Rough In 1st Floor - B	4 days	Thu 6/21/07	Tue 6/26/07									<b></b>	Elec	tric Ro	ugh In	1st F	loor - I	B			
154	Electric Rough In 2nd Floor - B	4 days	Wed 6/27/07	Mon 7/2/07									5	Elec	tric Ro	ugh Ir	n 2nd l	Floor -	В			
155	Electric Rough In 3rd Floor - B	4 days	Tue 7/3/07	Fri 7/6/07									5	Ele	ctric Ro	ugh l	n 3rd I	Floor -	в			
156	Electric Rough In 4th Floor - B	4 days	Mon 7/9/07	Thu 7/12/07									6	Fle	ctric Re	bugh l	n 4th I	Floor -	в			
157	Electric Rough In 5th Floor - B	4 days	Fri 7/13/07	Wed 7/18/07									[	Fle	etric R	ough	In 5th	Floor	в			
158	Electric Rough In 6th Floor - B	4 days	Thu 7/19/07	Tue 7/24/07										FIe	ectric R	lough	In 6th	Floor	- B			
159	Electric Rough In 7th Floor - B	4 days	Wed 7/25/07	Mon 7/30/07										F	ectric F	Rough	in 7th	Floor	- B			
160	Electric Rough In 8th Floor - B	4 days	Tue 7/31/07	Fri 8/3/07										<b>F</b>	ectric I	Rough	i In 8th	i Floor	- B			
161	Electric Rough In 1st Floor - C	6 days	Mon 8/6/07	Mon 8/13/07										<b>F</b>	lectric	Roug	h in 1s	t Floo	r-C			
162	Electric Rough In 2nd Floor - C	6 days	Tue 8/14/07	Tue 8/21/07											Electric	Roug	ih In 2	nd Flo	or - C			

	Task Name	Duration	Start	Finish				2006				2007				2008 2015t Qi2nd Ci3rd Qi4th				2009	<u> </u>	
					2nd G Apr	Jul	4th Qi Oct	1st Qi Jan	2nd G Apr	Jul	04thQ Oct	Jan			4th Q Oct	∣1stiQ Jan	2nd G Apr	Jul	4th Q Oct	i 1st Qi Jan	2nd Apr	_
145	Electric Rough In 1st Floor - A	6 days	Mon 4/16/07	Mon 4/23/07										ctric Re								T
146	Electric Rough In 2nd Floor - A	6 days	Tue 4/24/07	Tue 5/1/07									FI	ectric R	ough	In 2no	d Floo	- A				
147	Electric Rough In 3rd Floor - A	6 days	Wed 5/2/07	Wed 5/9/07		8 8 9 9 9 9 9 9 8 8 8							F	ectric F	lough	n In 3r	d Floo	r - A				
148	Electric Rough In 4th Floor - A	6 days	Thu 5/10/07	Thu 5/17/07									5	lectric	Rougi	h In 4t	h Floo	г - А				
149	Electric Rough In 5th Floor - A	6 days	Fri 5/18/07	Fri 5/25/07									F	lectric	Roug	h In 5	th Floo	ог - А				
150	Electric Rough In 6th Floor - A	6 days	Mon 5/28/07	Mon 6/4/07		- - - - - - - - - - - - - - - - - - -							<b>•</b>	Electric	Rou	gh In G	ith Flo	or - A				
151	Electric Rough In 7th Floor - A	6 days	Tue 6/5/07	Tue 6/12/07									4	Electri	: Rou	gh In	7th Flo	ог - А				
152	Electric Rough In 8th Floor - A	6 days	Wed 6/13/07	Wed 6/20/07									4	Electri	c Rou	igh In	8th Fl	oor - A	4			
153	Electric Rough In 1st Floor - B	4 days	Thu 6/21/07	Tue 6/26/07									5	Electr	ic Ro	ugh In	1st Fl	oor - I	B			
154	Electric Rough In 2nd Floor - B	4 days	Wed 6/27/07	Mon 7/2/07		• • • • • •							5	Electi	ic Ro	ugh Ir	1 2nd I	loor -	В			
155	Electric Rough In 3rd Floor - B	4 days	Tue 7/3/07	Fri 7/6/07									5	Elect	ric Ro	ugh li	n 3rd I	loor -	в			
156	Electric Rough In 4th Floor - B	4 days	Mon 7/9/07	Thu 7/12/07		8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8								Flect	ric Re	bugh l	n 4th I	Floor -	В			ļ
157	Electric Rough In 5th Floor - B	4 days	Fri 7/13/07	Wed 7/18/07										Fle¢	tric R	ough	In 5th	Floor	в			
158	Electric Rough In 6th Floor - B	4 days	Thu 7/19/07	Tue 7/24/07										Flec	tric R	lough	In 6th	Floor	- B			
159	Electric Rough In 7th Floor - B	4 days	Wed 7/25/07	Mon 7/30/07										Flee	tric F	lough	ln 7th	Floor	- B			
160	Electric Rough In 8th Floor - B	4 days	Tue 7/31/07	Fri 8/3/07		• • • • • •				8 8 9 8 8 8 8				Fle	ctric l	Rough	in 8th	Floor	- B			
161	Electric Rough In 1st Floor - C	6 days	Mon 8/6/07	Mon 8/13/07										FIE	ctric	Roug	h In 1s	t Floo	r - C			
162	Electric Rough In 2nd Floor - C	6 days	Tue 8/14/07	Tue 8/21/07		• • • • • • •								<b>₩</b> Ęŀ	ectric	Roug	ih in 2i	nd Flo	or - C			
163	Electric Rough In 3rd Floor - C	6 days	Wed 8/22/07	Wed 8/29/07		8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8								<b>F</b> F	ectri	: Roug	jh In 3	rd Flo	or - C			
164	Electric Rough In 4th Floor - C	6 days	Thu 8/30/07	Thu 9/6/07		8 8 8 8 8 8 8								<b>F</b>	lectri	c Rou	gh In 4	¥h Flo	or - C			ł
165	Electric Rough In 5th Floor - C	6 days	Fri 9/7/07	Fri 9/14/07										<b>F</b>	lectr	ic Rou	igh In	5th Flo	oor - C			
166	Punchlist	1 day	Mon 9/17/07	Mon 9/17/07		* * * * *				8 8 8 8 8 8				- Fi	Puncl	hlist						
						2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2																
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#### SITE LAYOUT PLANNING

A Site Layout Plan was developed for the steel erection phase of the project. In the graphics on the next couple pages you will see how the cranes were phased during the steel erection process. The mobile cranes that were used started on the north face of section A and continued around the building until they finished on the east face of section C. The deliveries were made to the site from the construction entrance and were dropped off at the staging area that is located between the south face of section A and the east face of section C. The trucks then made and loop and continued back out the construction entrance to the highway.





