## X. APPENDIX C: CONSTRUCTION MANAGEMENT BREADTH CALCULATIONS



Duncan Center, Dover, Delaware 132/152

## X. APPENDIX C: CONSTRUCTION MANAGEMENT BREADTH CALCULATIONS

CONSTRUCTION MANAGEMENT BREADTH ROUGH COST ESTIMATES - RS MEANS SQUARE FOOT COSTS OFFICE 6 STORY DATA 2007 TOTAL FLOOR AREA = 5 (11138FT) 2929FT 58619 FT2 TOTAL PLOOR PERIMETER = 2(116)+2(134)=500 FT STORY HEIGHT = 14' FACE OBRICK WITH CONCRETE BLOCK BACK-UP - STEEL FRAME (\$141. 88+ 1.03(\$8.74) + 2.00(\$2.72)+\$31.95) = (\$188.27) (586 19 FT )=\$1,029,199 (0.10) \$1,104,000 \$10, 4 0000+4 (94600)=\$ 10,584, 200 REINFORCED CONCRETE FRAME = \$134.39+1.03(38.74)+2.00(42.72) A 1-A 1 BASE ADDITIONAL PERMETER ADDITIONAL HEIGHT + 431.95 = (\$18078)(58619.872) 1 SUPERSTRUCTURE ONLY CASEMENT = \$11,007,176 (0.10) \$1101,000-PINAL COST ESTIMATES - RS MEANS BUILDING CONSTRUCTION COST DATA 2001 SITE WORK & LANDSCAPING COST DATA 2007 HSSUMPTIONS FOR CONCRETE, PLACING & FORMS. CONTINUOUS FOOTINGS, PILE CAPS & PIERS PUMPED - CHSE SLAB ON GRADE - DIRECT CHUTE -EDES FORM ELEVATED FLAT SLAB WITH DROPPANELS 12 FLOOR - 5th FLOOR ECRANE & BUCKET - YUSE + ELEVATED FLAT SLAB WITH DROP PANELS-6" FLOOR TIUSE - CRANE & BUCKET COLUMNS - CRANED BUCKET THUSE WALL - CRANE & BUCKET - EXTERIOR WALL THUSE BEAMS -CRANE& BUCKET - JUSE ASSUMPTIONS FOR STEEL - ADJUSTED POR TONNAGE FOR COLUMNS & BEAMS - 0.845 TONS = 1 FT3

Rachel Gingerich, Structural Option Final Report Duncan Center, Dover, Delaware 133/152

FINAL SCHEDULE ESTIMATES - CONSTRUCTION SCHEDULING WITH PRIMANERA PROJECT PLANNER ASSUMPTIONS START DATE : JUNE 2, 2003 WORK DATES MONDAY - FRIDAY - FAGRICATION & SHIPPING DELAYS FROM START OF PROJECT: - BASEPLATES: 20 DAYS - STEEL MEMBERS: 50 DAYS - FORMWORK: 15 DAYS - 'REBAR : 25 DAYS LAGS. - +2 FOR CONCRETE CURING BETWEEN PLACING & STRIPING 13 FORMING STRIPING Rachel Gingerich, Structural Option Duncan Center, Dover, Delaware

Final Report

134/152

## i. Cost Estimate Comparison

Existing Steel Structural System Cost Estimate

Item No.	Item	Item Breakdown	Detailed Item Breakdown
1	Concrete Piles	Concrete	
2		Reinforcement	
3	Concrete Pile Caps	Material	
4		Forms	Square, Rectangular
5			Triangular
6		Placing	x<5
7			5 <x<10< td=""></x<10<>
8		Reinforcement	#4-#7
9			#8-#18
10	Concrete Continuous Footings	Material	
11		Forms	
12		Placing	
13	Concrete Slab on Grade	Material	
14		Forms	
15		Placing	
16		Welded Wire Fabric	
17	Concrete Piers	Material	
18		Forms	
19		Placing	
20	Steel Baseplates	Baseplates	
21		Anchor Bolts	
22	Steel Columns	Columns	W12x50
23			W12x87
24			W12x120
25			HSS 4x4x1/4
26		Fireproofing	
27	Steel Beams	Beams	W8x21
28			W8x24
29			W10x12
30			W12x14



Item No.	Item	Item Breakdown	Detailed Item Breakdown
31			W12x26
32			W14x26
33			W16x26
34			W16x31
35			W16x40
36			W18x35
37			W18x40
38			W18x76
39			W21x44
40			W24x55
41			W24x68
42			W24x76
43			W27x84
44		Open Web Steel Joists	18K5
45		Cold Formed Roof Trusses	9:12 to 12:12 Pitch
46		Studs	
47		Fireproofing	
48		Flange Moment Connections	1/4" Weld
49			3/4" Weld
50		Web Moment Connections	1/4" Weld
51			3/4" Weld
52	Composite Steel Deck	Deck	
53		Material	
54		Placing	
55		Welded Wire Fabric	
56		Fireproofing	
57	Roof Steel Deck	Deck	
58		Fireproofing	
59	Subtotal		
	20% Miscellaneous Steel		
60	Increase		
61	Total		



Item No.	Unit	Quantity	Material Unit Cost	Material Cost	Labor Unit Cost	Labor Cost
1	VLF	2869.90	\$17.75	\$50,940.73	\$6.35	\$18,223.87
2	LB	9881.67	\$0.90	\$8,893.50	\$0.00	\$0.00
3	CY	182.94	\$114.00	\$20,855.10	\$0.00	\$0.00
4	SFCA	2595.60	\$2.46	\$6,385.18	\$3.83	\$0.00
5	SFCA	927.00	\$2.90	\$2,688.30	\$4.94	\$9,941.15
6	CY	120.11	\$0.00	\$0.00	\$18.05	\$2,167.98
7	CY	62.83	\$0.00	\$0.00	\$9.95	\$625.16
8	TON	0.10	\$850.00	\$83.96	\$630.00	\$62.23
9	TON	5.51	\$805.00	\$4,438.93	\$365.00	\$2,012.68
10	CY	34.73	\$114.00	\$3,958.79	\$0.00	\$0.00
11	SFCA	15849.13	\$2.64	<b>\$41,841.7</b> 0	\$2.96	\$46,913.42
12	CY	34.73	\$0.00	\$0.00	\$13.25	\$460.12
13	CY	139.98	\$114.00	\$15,957.19	\$0.00	\$0.00
14	SFCA	164.73	\$0.29	\$47.77	\$1.85	\$304.76
15	CY	139.98	\$0.00	\$0.00	\$13.20	\$1,847.67
16	CSF	113.38	\$19.80	\$2,244.92	\$23.00	\$2,607.74
17	CY	35.58	\$108.00	\$3,842.56	\$0.00	\$0.00
18	SFCA	1921.28	\$2.57	\$4,937.69	\$5.85	\$11,239.49
19	CY	35.58	\$0.00	\$0.00	\$21.50	\$764.95
20	SF	76.50	\$32.00	\$2,448.00	\$0.00	\$0.00
21	EA	136.00	\$4.04	\$549.44	\$23.50	\$3,196.00
22	LF	864.69	\$62.15	\$53,740.48	\$2.19	\$1,893.67
23	LF	923.35	\$107.80	\$99,537.13	\$2.30	\$2,123.71
24	LF	318.68	\$148.50	\$47,323.98	\$2.35	\$748.90
25	EA	25.00	\$185.90	\$4,647.50	\$39.00	\$975.00
26	SF	6320.16	\$0.50	\$3,160.08	\$0.66	\$4,171.31
27	LF	153.36	\$23.50	\$3,603.96	\$3.77	\$578.17
28	LF	76.68	\$27.00	\$2,070.36	\$4.11	\$315.15
29	LF	577.12	\$13.55	\$7,819.98	\$3.77	\$2,175.74
30	LF	1380.96	\$15.80	\$21,819.17	\$2.57	\$3,549.07



Item No.	Unit	Quantity	Material Unit Cost	Material Cost	Labor Unit Cost	Labor Cost
31	LF	216.06	\$29.50	\$6,373.77	\$2.57	\$555.27
32	LF	47.68	\$29.50	\$1,406.56	\$2.28	\$108.71
33	LF	2604.35	\$29.50	\$76,828.33	\$2.26	\$5,885.83
34	LF	3135.73	\$35.00	\$109,750.55	\$2.51	\$7,870.68
35	LF	55.34	\$45.00	\$2,490.30	\$2.82	\$156.06
36	LF	1285.66	\$39.50	\$50,783.57	\$3.40	\$4,371.24
37	LF	1321.84	\$45.00	\$59,482.80	\$3.40	\$4,494.26
38	LF	100.02	\$85.50	\$8,551.71	\$3.63	\$363.07
39	LF	195.68	\$49.50	\$9,686.16	\$3.07	\$600.74
40	LF	2131.71	\$62.00	\$132,166.02	\$2.94	\$6,267.23
41	LF	479.92	\$76.50	\$36,713.88	\$2.94	\$1,410.96
42	LF	192.86	\$85.50	\$16,489.53	\$2.94	\$567.01
43	LF	359.06	\$94.50	\$33,931.17	\$2.75	\$987.42
44	LF	876.12	\$5.50	\$4,818.66	\$1.63	\$1,428.08
45	EA	46.00	\$181.00	\$8,326.00	\$98.00	\$4,508.00
46	EA	6737.00	\$0.49	\$3,301.13	\$0.72	\$4,850.64
47	SF	50099.11	\$0.45	\$22,544.60	\$0.49	\$24,548.56
48	LF	856.00	\$0.60	\$513.60	\$6.95	\$5,949.20
49	LF	214.00	\$2.58	\$552.12	\$29.00	\$6,206.00
50	LF	792.00	\$0.60	\$475.20	\$6.95	\$5,504.40
51	LF	396.00	\$2.58	\$1,021.68	\$29.00	\$11,484.00
52	SF	58735.00	\$1.63	\$95,738.05	\$0.37	\$21,731.95
53	CY	906.40	\$108.00	\$97,891.67	\$0.00	\$0.00
54	CY	906.40	\$0.00	\$0.00	\$24.00	\$21,753.70
55	CSF	587.35	\$15.40	\$9,045.19	\$21.50	\$12,628.03
56	SF	67796.00	\$0.45	\$30,508.20	\$0.49	\$33,220.04
57	SF	9061.00	\$1.82	\$16,491.02	\$0.35	\$3,171.35
58	SF	9061.00	\$2.82	\$25,552.02	\$1.35	\$12,232.35
59				\$1,275,269.87		\$319,752.71
60				\$255,053.97		\$63,950.54
61				\$1,530,323.84		\$383,703.25



Item No.	Equipment Unit Cost	Equipment Cost	Total Unit Cost	Total Cost
1	\$14.60	\$41,900.54	\$38.70	\$111,065.13
2	\$0.00	\$0.00	\$0.90	\$8,893.50
3	\$0.00	\$0.00	\$114.00	\$20,855.10
4	\$0.00	\$0.00	\$6.29	\$16,326.32
5	\$0.00	\$0.00	\$7.84	\$7,267.68
6	\$6.85	\$822.75	\$24.90	\$2,990.73
7	\$3.76	\$236.24	\$13.71	\$861.40
8	\$0.00	\$0.00	\$1,480.00	\$146.19
9	\$0.00	\$0.00	\$1,170.00	\$6,451.61
10	\$0.00	\$0.00	\$114.00	\$3,958.79
11	\$0.00	\$0.00	\$5.60	\$88,755.13
12	\$5.00	\$173.63	\$18.25	\$633.75
13	\$0.00	\$0.00	\$114.00	\$15,957.19
14	\$0.00	\$0.00	\$2.14	\$352.53
15	\$0.39	\$54.59	\$13.59	\$1,902.26
16	\$0.00	\$0.00	\$42.80	\$4,852.66
17	\$0.00	\$0.00	\$108.00	\$3,842.56
18	\$0.00	\$0.00	\$8.42	\$16,177.18
19	\$8.15	\$289.97	\$29.65	\$1,054.93
20	\$0.00	\$0.00	\$32.00	\$2,448.00
21	\$0.00	\$0.00	\$27.54	\$3,745.44
22	\$1.50	\$1,297.04	\$65.84	\$56,931.19
23	\$1.57	\$1,449.66	\$111.67	\$103,110.49
24	\$1.61	\$513.07	\$152.46	\$48,585.95
25	\$26.50	\$662.50	\$251.40	\$6,285.00
26	\$0.11	\$695.22	\$1.27	\$8,026.60
27	\$2.58	\$395.67	\$29.85	<b>\$4,5</b> 77.80
28	\$2.81	\$215.47	\$33.92	\$2,600.99
29	\$2.58	\$1,488.97	\$19.90	\$11,484.69
30	\$1.76	\$2,430.49	\$20.13	\$27,798.72



Item No.	Equipment Unit Cost	Equipment Cost	Total Unit Cost	Total Cost
31	\$1.76	\$380.27	\$33.83	\$7,309.31
32	\$1.56	\$74.38	\$33.34	\$1,589.65
33	\$1.55	\$4,036.74	\$33.31	\$86,750.90
34	\$1.72	\$5,393.46	\$39.23	\$123,014.69
35	\$1.93	\$106.81	\$49.75	\$2,753.17
36	\$1.73	\$2,224.19	\$44.63	\$57,379.01
37	\$1.73	\$2,286.78	\$50.13	\$66,263.84
38	\$1.85	\$185.04	\$90.98	\$9,099.82
39	\$1.56	\$305.26	\$54.13	\$10,592.16
40	\$1.50	\$3,197.57	\$66.44	\$141,630.81
41	\$1.50	\$719.88	\$80.94	\$38,844.72
42	\$1.50	\$289.29	\$89.94	\$17,345.83
43	\$1.40	\$502.68	\$98.65	\$35,421.27
44	\$0.89	\$779.75	\$8.02	\$7,026.48
45	\$0.00	\$0.00	\$279.00	\$12,834.00
46	\$0.32	\$2,155.84	\$1.53	\$10,307.61
47	\$0.08	\$4,007.93	\$1.02	\$51,101.09
48	\$2.30	\$1,968.80	\$9.85	\$8,431.60
49	\$9.60	\$2,054.40	\$41.18	\$8,812.52
50	\$2.30	\$1,821.60	\$9.85	\$7,801.20
51	\$9.60	\$3,801.60	\$41.18	\$16,307.28
52	\$0.03	\$1,762.05	\$2.03	\$119,232.05
53	\$0.00	\$0.00	\$108.00	\$97,891.67
54	\$11.80	\$10,695.57	\$35.80	\$32,449.27
55	\$0.00	\$0.00	\$36.90	\$21,673.22
56	\$0.08	\$5,423.68	\$1.02	\$69,151.92
57	\$0.03	\$271.83	\$2.20	\$19,934.20
58	\$1.03	\$9,332.83	\$5.20	\$47,117.20
59		\$116,404.03		\$1,716,005.98
60		\$23,280.81		\$343,201.20
61		\$139,684.83		\$2,059,207.18



Item No.	Item	Item Breakdown	Detailed Item Breakdown
1	Concrete Piles	Concrete	
2		Reinforcement	
3	Concrete Pile Caps	Material	
4		Forms	Square, Rectangular
5			Triangular
6		Placing	x<5
7			5 <x<10< td=""></x<10<>
8			x>10
9		Reinforcement	
10	Concrete Continuous Footings	Material	
11		Forms	
12		Placing	
13	Concrete Slab on Grade	Material	
14		Forms	
15		Placing	
16		Welded Wire Fabric	
17	Concrete Two-Way Flat Slabs	Material	
18		Forms	
19		Placing	
20		Reinforcement	
21	Concrete One-Way Slabs	Material	
22		Forms	
23		Placing	
24		Reinforcement	
25	Concrete Columns	Material	
26		Forms	
27		Placing	
28		Reinforcement	
29	Concrete Shear Walls	Material	
30		Forms	

Proposed Concrete Structural System Cost Estimate



Item No.	Item	Item Breakdown	Detailed Item Breakdown
31		Placing	
32		Reinforcement	
33	Concrete Beams	Material	
34		Forms	Exterior
35			Interior
36		Placing	
37		Reinforcement	
38	Steel Columns	HSS 4x4x1/4	
39	Steel Beams	W12x14	
40		W14x26	
41		W16x26	
42		W16x31	
43		W18x76	
44		W24x55	
45		Open Web Steel Joists	18K5
46		Cold Formed Roof Trusses	9:12 to 12:12 Pitch
47		Fireproofing	
48	Roof Steel Deck	Deck	
49		Fireproofing	
50	Total		



Item No.	Unit	Quantity	Material Unit Cost	Material Cost	Labor Unit Cost	Labor Cost
1	VLF	3600.42	\$17.75	\$63,907.46	\$6.35	\$22,862.67
2	LB	12397.00	\$0.90	\$11,157.30	\$0.00	\$0.00
3	CY	242.76	\$114.00	\$27,674.92	\$0.00	\$0.00
4	SFCA	2700.66	\$2.46	\$6,643.62	\$3.83	\$0.00
5	SFCA	973.35	\$2.90	\$2,822.72	\$4.94	\$10,343.53
6	CY	22.43	\$0.00	\$0.00	\$18.05	\$404.88
7	CY	174.55	\$0.00	\$0.00	\$9.95	\$1,736.81
8	CY	45.78	\$0.00	\$0.00	\$8.30	\$379.96
9	TON	10.35	\$805.00	\$8,329.50	\$365.00	\$3,776.73
10	CY	34.73	\$114.00	\$3,958.79	\$0.00	\$0.00
11	SFCA	15849.13	\$2.64	<b>\$41,841.7</b> 0	\$2.96	\$46,913.42
12	CY	34.73	\$0.00	\$0.00	\$13.25	\$460.12
13	CY	139.98	\$114.00	\$15,957.19	\$0.00	\$0.00
14	SFCA	164.73	\$0.29	\$47.77	\$1.85	\$304.76
15	CY	139.98	\$0.00	\$0.00	\$13.20	\$1,847.67
16	CSF	113.38	\$19.80	\$2,244.92	\$23.00	\$2,607.74
17	CY	2131.42	\$114.00	\$242,981.85	\$0.00	\$0.00
18	SF	55806.00	\$1.60	<b>\$89,289.6</b> 0	\$3.15	\$175,788.90
19	CY	2131.42	\$0.00	\$0.00	\$17.35	\$36,980.13
20	TON	106.07	\$950.00	\$100,770.25	\$455.00	\$48,263.65
21	CY	108.48	\$114.00	\$12,366.89	\$0.00	\$0.00
22	SF	2929.00	\$4.93	\$14,439.97	\$3.82	\$11,188.78
23	CY	108.48	\$0.00	\$0.00	\$17.35	\$1,882.15
24	TON	2.14	\$950.00	\$2,028.69	\$455.00	\$971.63
25	CY	349.43	\$114.00	\$39,835.26	\$0.00	\$0.00
26	SFCA	20018.67	\$0.84	\$16,815.68	\$4.67	\$93,487.17
27	CY	349.43	\$0.00	\$0.00	\$32.50	\$11,356.54
28	TON	49.12	\$895.00	\$43,962.84	\$575.00	\$28,244.28
29	CY	296.15	\$114.00	\$33,761.21	\$0.00	\$0.00
30	SFCA	11994.12	\$0.66	\$7,916.12	\$4.34	\$52,054.46



Item No.	Unit	Quantity	Material Unit Cost	Material Cost	Labor Unit Cost	Labor Cost
31	CY	296.15	\$0.00	\$0.00	\$28.00	\$8,292.23
32	TON	36.84	\$850.00	\$31,316.20	\$440.00	\$16,210.74
33	CY	12.35	\$114.00	\$1,407.69	\$0.00	\$0.00
34	SFCA	266.72	\$2.76	\$736.15	\$6.45	\$1,720.34
35	SFCA	400.08	\$2.82	\$1,128.23	\$5.35	\$2,140.43
36	CY	12.35	\$0.00	\$0.00	\$50.00	\$617.41
37	TON	0.37	\$895.00	\$334.22	\$539.00	\$201.28
38	EA	18.00	\$338.00	\$6,084.00	\$78.00	\$1,404.00
39	LF	304.72	\$23.70	\$7,221.86	\$3.21	\$978.91
40	LF	76.68	\$44.25	\$3,393.09	\$2.85	\$218.54
41	LF	374.72	\$44.25	\$16,581.36	\$2.83	\$1,058.58
42	LF	197.36	\$52.50	\$10,361.40	\$3.14	\$619.22
43	LF	100.02	\$128.25	\$12,827.57	\$4.54	\$453.84
44	LF	161.36	\$93.00	\$15,006.48	\$3.68	\$593.00
45	LF	876.12	\$5.50	\$4,818.66	\$1.63	\$1,428.08
46	EA	46.00	\$181.00	\$8,326.00	\$98.00	\$4,508.00
47	SF	4252.01	\$0.50	\$2,126.01	\$0.66	\$2,806.33
48	SF	9061.00	\$1.82	\$16,491.02	\$0.35	\$3,171.35
49	SF	9061.00	\$2.82	\$25,552.02	\$1.35	\$12,232.35
50				\$952,466.19		\$610,510.62



Item No.	Equipment Unit Cost	Equipment Cost	Total Unit Cost	Total Cost
1	\$14.60	\$52,566.13	\$38.70	\$139,336.25
2	\$0.00	\$0.00	\$0.90	\$11,157.30
3	\$0.00	\$0.00	\$114.00	\$27,674.92
4	\$0.00	\$0.00	\$6.29	\$16,987.15
5	\$0.00	\$0.00	\$7.84	\$7,631.06
6	\$6.85	\$153.65	\$24.90	\$558.53
7	\$3.76	\$656.32	\$13.71	\$2,393.13
8	\$3.13	\$143.28	\$11.43	\$523.24
9	\$0.00	\$0.00	\$1,170.00	\$12,106.23
10	\$0.00	\$0.00	\$114.00	\$3,958.79
11	\$0.00	\$0.00	\$5.60	\$88,755.13
12	\$5.00	\$173.63	\$18.25	\$633.75
13	\$0.00	\$0.00	\$114.00	\$15,957.19
14	\$0.00	\$0.00	\$2.14	\$352.53
15	\$0.39	\$54.59	\$13.59	\$1,902.26
16	\$0.00	\$0.00	\$42.80	\$4,852.66
17	\$0.00	\$0.00	\$114.00	\$242,981.85
18	\$0.00	\$0.00	\$4.75	\$265,078.50
19	\$8.60	\$18,330.21	\$25.95	\$55,310.34
20	\$0.00	\$0.00	\$1,405.00	\$149,033.90
21	\$0.00	\$0.00	\$114.00	\$12,366.89
22	\$0.00	\$0.00	\$8.75	\$25,628.75
23	\$8.60	\$932.94	\$25.95	\$2,815.09
24	\$0.00	\$0.00	\$1,405.00	\$3,000.32
25	\$0.00	\$0.00	\$114.00	\$39,835.26
26	\$0.00	\$0.00	\$5.51	\$110,302.85
27	\$16.00	\$5,590.91	\$48.50	\$16,947.46
28	\$0.00	\$0.00	\$1,470.00	\$72,207.13
29	\$0.00	\$0.00	\$114.00	\$33,761.21
30	\$0.00	\$0.00	\$5.00	\$59,970.58



Item No.	Equipment Unit Cost	Equipment Cost	Total Unit Cost	Total Cost
31	\$14.00	\$4,146.11	\$42.00	\$12,438.34
32	\$0.00	\$0.00	\$1,290.00	\$47,526.94
33	\$0.00	\$0.00	\$114.00	\$1,407.69
34	\$0.00	\$0.00	\$9.21	\$2,456.49
35	\$0.00	\$0.00	\$8.17	\$3,268.65
36	\$25.00	\$308.70	\$75.00	\$926.11
37	\$0.00	\$0.00	\$1,434.00	\$535.50
38	\$26.50	\$477.00	\$442.50	\$7,965.00
39	\$1.76	\$536.31	\$28.67	\$8,737.08
40	\$1.56	\$119.62	\$48.66	\$3,731.25
41	\$1.55	\$580.82	\$48.63	\$18,220.76
42	\$1.72	\$339.46	\$57.36	\$11,320.08
43	\$1.85	\$185.04	\$134.64	\$13,466.44
44	\$1.50	\$242.04	\$98.18	\$15,841.52
45	\$0.89	\$779.75	\$8.02	\$7,026.48
46	\$0.00	\$0.00	\$279.00	\$12,834.00
47	\$0.11	\$467.72	\$1.27	\$5,400.05
48	\$0.03	\$271.83	\$2.20	\$19,934.20
49	\$1.03	\$9,332.83	\$5.20	\$47,117.20
50		\$96,388.90		\$1,664,174.06



## ii. Schedule Estimate Comparison

Refer to the following Microsoft Project schedules, Existing Steel & Proposed Concrete Structural System schedule estimates, respectively.

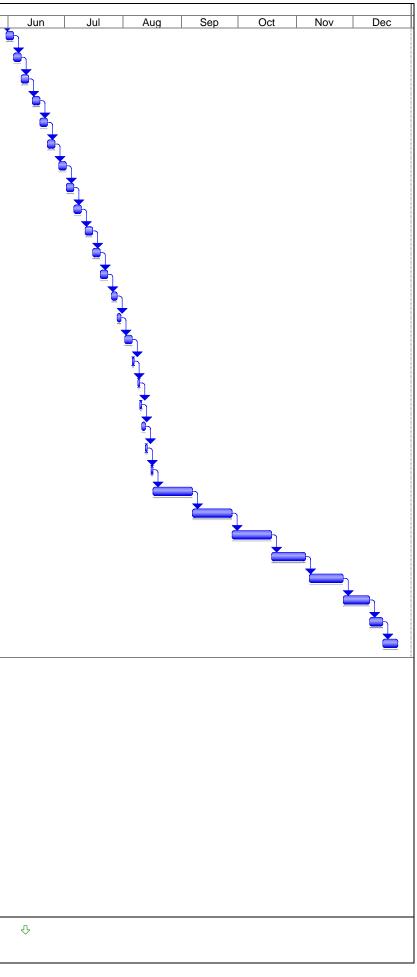


Rachel Gingerich, Structural Option Final Report Duncan Center, Dover, Delaware 147/152

Image is provide frequencies         Table is a local if 46200           Image is provide frequencies         Normal is a local if 46200           Image is provide frequencies         Normal is a local if 46200           Image is provide frequencies         Normal is a local if 46200           Image is provide frequencies         Normal is a local if 46200           Image is provide frequencies         Normal is a local if 46200           Image is provide frequencies         Normal is a local if 46200           Image is provide frequencies         Normal is a local if 46200           Image is provide frequencies         Normal is a local if 46200           Image is provide frequencies         Normal is a local if 46200           Image is provide frequencies         Normal is a local if 46200         Normal is a local if 46200           Image is provide frequencies         Normal is a local if 46200         Normal is a local if 46200         Normal is a local if 46200           Image is provide frequencies         Image is a local if 46200           Image is a local if 46200         Image is a local if 46200         Image is a local if 46200         Image is a local if 46200         Image is a local if 46200         Image is a local if 46200         Image is a local if 46200         Image is a local if 46200 <thimag< th=""><th></th></thimag<>	
1       1       1000000000000000000000000000000000000	Nov Dec
a       a	
0       rice Core       0.99 / Work200       Fe 5 1000         1       rice Core Forming       0.49 / Work200       Fe 5 1000         2       rice Core Forming       0.49 / Work200       Fe 5 1000         3       rice Core Forming       0.49 / Work200       Fe 5 1000         3       rice Core Forming       0.49 / Work200       Fe 5 1000         3       rice Core Forming       0.49 / Work200       Fe 5 1000         3       rice Core Forming       0.49 / Work200       Fe 5 1000         3       Core Forming       0.49 / Work200       Fe 5 1000         3       Core Forming       0.49 / Work200       Fe 10 1000         3       Core Forming       0.49 / Work200       Fe 10 1000         3       Core Forming       0.49 / Work200       Fe 10 1000         3       Core Forming       0.49 / Work200       Fe 10 1000         4       Core Forming       0.49 / Work200       Fe 10 1000         5       Core Forming       0.49 / Work200       Fe 10 1000         6       Boor Order Core       Core Work200       Fe 10 1000         7       Core Forming       0.49 / Work200       Fe 10 1000         6       Core Work200 / For       10.99 / Work200	
□       Pie Cup Forms       (1 4 4 abor       Nor 4000 10       Nor 7000 10         □       Pie Cup Forms       2 4 abor       R 2010 10       Nor 7000 10         □       Pie Cup Forms       2 4 abor       R 2010 10       Nor 7000 10         □       Pie Cup Storms       2 4 abor       R 2010 10       Nor 7000 10         □       Pie Cup Storms       2 4 abor       R 2010 10       Nor 7000 10         □       Pie Cup Storms       2 4 abor       R 2010 10       Nor 7000 10       Nor 7000 10         □       Description       2 abor       Nor 7000 10       Nor 7000 10 <td></td>	
Image: definition of the Construction of the Constructi	
1       PLA GLATMACTOR       20 April       The Tristen Weith Tristen         4       PLA GLATMACTOR       54 April       No. 72300       Frain Tristen         10       Disclosed Stroige Torving       54 april       No. 72300       Frain Tristen         11       Continuants Stroige Torving       54 april       No. 72300       Frain Tristen         12       Continuants Stroige Torving       54 april       No. 72300       Frain Tristen         13       Continuants Stroige Torving       1 day       Tristen Tristen       No. 72300       Frain Tristen         14       Continuants Stroige Torving       1 day       Tristen Tristen       No. 72300       Frain Tristen         15       Sale on Grade Torving       1 day       Tristen Tristen       Frain Tristen       No. 72300       Frain Tristen         16       Sale on Grade Torving       1 day       Tristen Tristen         17       Sale on Grade Torving       1 day       Tristen Tristen	
Phe Coc Curva       Exam       Thu 771288       FF72000         00       Phe Coc Curva       Exam       Nov 72200       Vel B 2410         10       Christica Forming       41 days       Micr 72200       Vel B 2410         12       Christica Forming       41 days       Micr 72200       Vel B 2410         12       Christica Forming       41 days       Micr 72200       Vel B 2410         14       Christica Forming       1 days       Trive 2200       Trive 2200       Trive 2200         15       Schol Coken Maxing       Adays       Trive 2200       Micr 72200       Micr 72200         16       Schol Coken Maxing       Adays       Micr 72200       Micr 72200       Micr 72200         16       Schol Coken Maxing       Adays       Micr 72200       Micr 72200       Micr 72200         17       Schol Coken Maxing       Adays       Micr 72200       Micr 72200       Micr 72200         19       Schol Coken Maxing       Adays       Micr 72200       Micr 72200       Micr 72200         12       Per Corrag       1 days       Micr 721000       Micr 721000       Micr 721000         14       Maxpon Faring Col Curva       1 days       Micr 7110400       Micr 721000       Micr 7	
Φ         Pic Cap Section         5 449         Man 72010         Fr 20200           11         Contraste Flading Februrg         45 469         Man 72010         Fr 20200           12         Contraste Flading Februrg         149         The 20200         Man 72010         Fr 40200           14         Contraste Flading Cheng         2 499         Fr 40200         Man 72010         Fr 40200           15         State of Gase Straining         1 497         The 202000         Man 72010         Fr 407000           16         State of Gase Straining         1 499         The 102005         Man 720100         Fr 407000           17         State of Gase Straining         1 499         The 102005         Man 720000         Fr 107000           18         State of Gase Straining         1 499         The 1102005         Man 720200         Fr 107000           19         State of Gase Straining         1 499         The 1102005         Fr 107000         Fr 107000           21         Per Floring         2 499         Man 7120205         The 122000         Fr 107000         Man 712000         Man 7120000         Man 7	
11       Corronaus Person       14 seg       Mage 2000         12       Contrause Formy Duran       1 seg       The 92500         13       Cortonaus Formy Duran       1 seg       The 92500         14       Cortonaus Formy Duran       1 seg       The 92500         14       Cortonaus Formy Duran       1 seg       The 92500         14       Cortonaus Formy Duran       1 seg       The 92500         15       Scient Cass Formy Duran       1 seg       The 92500         16       Scient Cass Formy Duran       1 seg       The 92500         17       Scient Cass Formy Duran       1 seg       The 19200         18       Scient Cass Formy Duran       1 seg       The 19200         19       Scient Cass Formy Duran       1 seg       The 19200         21       Scient Cass Formy Duran       1 seg       The 19200         22       Scient Factor Stift Form       1 seg       The 19200         23       Scient Factor Stift Form       1 seg       The 19200         24       Scient Factor Stift Form       1 seg       The 19200         25       Calum Factor Stift Form       1 seg       The 19200         26       Bean Evedored Form       1 seg       Th	
P         Commune Produce Produce         The X2000         The X2000           13         Commune Produce Produce         7 days         The X2000         Non 22200           14         Commune Produce Produce         1 days         The X2000         Non 22200           15         Sub of Cask Produce         4 days         The X2000         Non 12200           15         Sub of Cask Produce         4 days         Non 12200         Ann 12200           16         Sub of Cask Produce         2 days         The X2000         Non 12200           16         Sub of Cask Produce         2 days         The X1000         Produce         Produce           17         Sub of Cask Produce         2 days         The X1000         Produce         Produce         Produce         Produce           18         Sub of Cask Produce         2 days         The X1000         Produce	
Image: Second Status         Provide Tree Second         Provide Tree Second         Provide Tree Second           14         Continuous Focurs Status         1 4 art Tree Tree Second         1 4 art Tree Second         1 4 art Tree Second           15         Status         Status         Status         1 4 art Tree Second         1 4 art Tree Second           16         Status         Status         Status         1 4 art Tree Second         1 4 art Tree Second           17         Status         Status         Status         1 4 art Tree Second         1 4 art Tree Second           18         Status         Status         1 4 art Tree Second         1 4 art Tree Second         1 4 art Tree Second           19         Status         Status         1 4 art Tree Second         1 4 art Tree Second         1 4 art Tree Second           20         Part Faring         1 4 art Tree Second           21         Part Second         1 4 art Tree Tree Tree Tree Tree Tree Tree Tr	
Image: How Provided Strategy       The HO2000 Mem 102000         16       Statio no Costa Centrolistica       The HO2000 Mem 102000         17       Statio no Costa Centrolistica       Statio no Costa Centrolistica       The HO2000 Mem 102000         18       Statio no Costa Centrolistica       Statio no Costa Centrolistica       Statio no Costa Centrolistica       Statio no Costa Centrolistica         19       Statio no Costa Centrolistica       Statio no Costa Centrolistica       Statio no Costa Centrolistica       Statio no Costa Centrolistica         20       Per Furning       Gazer       Te H0300 Min	
18       Bisbo on Grade Famouru 1 degr       14 degr       Tue 102103       Tue 102103         18       Stado on Grade Famouru 2 degr       Tue 102103       Tue 102203       Tue 102203         18       Stado on Grade Famouru 2 degr       Tue 102030       Fue 102203       Tue 102203         18       Stado on Grade Steping       2 degr       Tue 102030       Fue 102030         20       Per Famig       1 degr       Fue 11030       Tue 110300       Tue 110303         21       Per Gurig       2 degr       Fue 110303       Tue 110300       Fue 110300         22       Per Gurig       3 degr       Fue 110303       Tue 110300       Fue 110300         22       Per Gurig       3 degr       Wei 110300       Tue 110300       Fue 110300         23       Column Eedon-18 Ploor       1 degr       Wei 122030       Men 120000         24       Bases Fectors 18 Ploor       1 degr       Wei 122030       Men 120000         25       Column Eedon-20 Hoor       1 degr       Wei 22000       Men 120000         26       Bases Fectors 16 Ploor       1 degr       Wei 22000       Men 120000         26       Bases Fectors 16 Ploor       1 degr       Wei 22000       Wei 22000         27 </td <td></td>	
Image: Note Reinforcing         4 day         Wed 102203         Mod 102703           17         Silk on Grade Runing         2 days         The 102803         Fe 103804           18         Silk on Grade Runing         2 days         The 102803         Wed 102203           19         Silk on Grade Runing         2 days         The 102803         Wed 102804           19         Silk on Grade Runing         2 days         Men 1150300         Ken 113030           21         Pier Planing         1 day         Men 115100         Ken 111800           22         Pier Sliving         2 days         Mon 1116007         The 111800           23         Pier Sliving         3 days         Men 112030         Men 112030           24         Sasaptae Fillong         6 days         Mon 112030         Mon 112030           24         Sasaptae Fillong         6 days         Mon 112030         The 128030           25         Column Excound II Floor         1 day         The 128030         The 128030           26         Baem Exconol II Floor         1 day         The 12800         The 12800           26         Column Excound In Floor         1 day         The 12800         The 12800           37         Baem Exconol	
17       Sible on Grade Elizioni 2 diage       2 diage       The 1003000 74 10030000 74 100300000 74 10030000000000000000000000000000000000	
Image: Name of Galde Stephing       1 day       Mon 110333       Mon 110333         Image: Name of Galde Stephing       1 day       Mon 110333       Mon 110333         Image: Name of Galde Stephing       1 day       Mon 110333       Mon 110333         Image: Name of Galde Stephing       1 day       Mon 110333       Mon 110333         Image: Name of Galde Stephing       1 day       Mon 110333       Mon 110333         Image: Name of Galde Stephing       1 day       Mon 110433       Mon 110433         Image: Name of Galde Stephing       1 day       Mon 110433       Mon 110433         Image: Name of Galde Stephing       1 day       Mon 110433       Mon 110433         Image: Name of Galde Stephing       1 day       Mon 110433       Mon 110433         Image: Name of Galde Stephing       1 day       Tue 122803       Tue 122803       Tue 122803         Image: Name Factor Mark Stephing       1 day       Tue 122803       Tue 122803       Tue 122803         Image: Name Factor Mark Stephing       1 day       Wed 120033       Mon 120303       Mon 120303         Image: Name Factor Mark Stephing       1 day       Wed 120034       Mon 120303       Mon 120303         Image: Name Factor Mark Mark Stephing       1 day       Wed 120044       Mon 1204304	
19       Size on Grade Shiping       1 day       Mon 11/303       Mon 11/303         20       Pier Forming       8 daya       Tue 11/403       Tui 11/1303         21       Pier Paking       3 daya       Weit 11/1403       Tui 11/1303         22       Pier Curing       2 daya       Mon 11/203       Tue 11/1603         23       Pier Shiping       3 daya       Weit 11/1010       Fri 11/103         24       Baseline Flooring       6 daya       Mon 12/2030       Tue 12/203         25       Column Exceden-1st Floor       1 day       Tue 12/203       Tue 12/203         26       Basen Erection-1st Floor       1 day       Weit 2/2030       Mon 12/2030         27       Column Exceden-1st Floor       1 day       Weit 2/2030       Mon 12/2030         27       Column Exceden-1st Floor       1 day       Weit 2/2040       Mon 12/2030         28       Basen Erection-31de Floar       1 day       Weit 2/2040       Mon 12/2030         37       Column Exceden-4h Floor       2 daya       Weit 2/2040       Mon 12/2030         38       Basen Erection-4h Floor       2 daya       Fin 4/2040       Mon 4/2040         39       Column Exceden-4h Floor       1 day       Tue 4/2040       <	
20       Pier Facting       1 day       The 11403       The 11403       Fit 11403         21       Pier Flacting       1 day       Fit 11403       Fit 11403         22       Pier Guring       2 days       Mon 11773       Fit 11403         23       Pier Striping       3 days       Wed 111100       Fit 112103         24       Basephare Pacing       3 days       Wed 111100       Fit 112103         25       Oclums Exection-18 Floor       1 day       The 12203       Mon 12203         26       Beam Erection-18 Floor       1 days       The 12203       Mon 12603         26       Beam Erection-2nd Floor       1 days       Wed 123003       Mon 12603         27       Colums Exection-410 Floor       1 days       Wed 123003       Mon 12603         27       Colums Exection-410 Floor       1 days       Wed 23004         37       Colums Exection-410 Floor       1 day       Wed 24004         38       Beam Erection-510 Floor       1 day       Fit 4204         39       Colums Exection-610 Floor       1 days       The 3404         38       Beam Erection-610 Floor       1 days       The 34104         39       Colums Exectin-610 Floor       1 days       The 34	
21       Per Paring       1 day       Fn 11/14/03       Fn 11/14/03         22       Pier Curing       2 days       Kon 11/12/03       Tu 11/14/03         23       Pier Shiping       3 days       Wed 11/10/03       Fn 11/14/03         24       Basepide Placing       6 day       Kon 12/12/03         25       Column Erection-1st Floor       1 day       Wed 12/10/03         26       Basem Erection-1st Floor       1 day       Tu 12/20/03         27       Column Erection-2thor       1 day       Tu 12/20/03         28       Basem Erection-1st Floor       1 day       Tu 12/20/03         29       Column Erection-2thor       1 day       Tu 12/20/03         29       Column Erection-3th Floor       1 day       Tu 12/20/03         29       Column Erection-4th Floor       1 day       Wed 12/10/03         20       Basem Erection-4th Floor       1 day       Tu 2/20/04         23       Column Erection-4th Floor       1 day       Fn 4/20/4         24       Basem Erection-4th Floor       1 day       Fn 4/20/4         23       Column Erection-4th Floor       1 day       Fn 4/20/4         24       Basem Erection-4th Floor       1 day       Fn 4/20/4	
22       Pier Cuing       2 day       Mon 11/703       Tue 11/1603         23       Pier Stiping       3 days       Wood 11/2003       Fit 11/1603         24       Baseptate Placing       6 days       Mon 12/1033       Fit 12/103         25       Column Erection-1ts Floor       1 day       Tue 12/2003       Tue 12/2003         25       Basen Erection-2nd Floor       1 day       Tue 12/2003       Tue 12/2003         26       Basen Erection-2nd Floor       1 day       Tue 12/2003       Tue 12/2003         27       Column Erection-2nd Floor       1 day       Tue 12/2003       Mon 12/1033         28       Beam Erection-2nd Floor       1 day       Tue 12/2003       Mon 12/1033         29       Column Erection-Hor       1 day       Tue 16/04       Tue 16/04         30       Beam Erection-Strip Floor       2 days       Mod 17/20       Tue 16/04         31       Column Erection-Hor       1 day       Tue 4/2004       Hor 4/2004         33       Column Erection-Hor       1 day       Tue 4/2004       Hor 4/2004         34       Beam Erection-Hor Horo       1 day       Wed 4/2004       Hor 11/16/2004         35       Column Erection-Hor Horo       1 day       Wed 4/2004	
23       Pier Striping       3 day       Wed 11/1903       Fri 11/2103         24       Baseplate Plocing       6 days       Mon 11/2203       Mon 12/2033         25       Column Erection-1at Floor       1 day       Tue 12/003       Tue 12/003         27       Column Erection-2nd Floor       1 day       Wed 12/1003       Mon 15/001         28       Beam Erection-1at Floor       1 day       Wed 12/1003       Mon 15/001         29       Column Erection-2nd Floor       1 day       Wed 12/1003       Mon 15/001         29       Column Erection-3nd Floor       1 day       Wed 12/1003       Mon 15/001         29       Column Erection-3nd Floor       1 day       Wed 2/404       Wed 2/404         30       Beam Erection-4nd Floor       2 days       Wed 2/404       Wed 2/404         31       Column Erection-4nd Floor       1 day       Fri 4/20/0       Fri 4/20/0         32       Column Erection-4nd Floor       1 day       Fri 4/20/0       Fri 4/20/0         33       Column Erection-4nd Floor       1 day       Fri 4/20/0       Fri 4/20/0         34       Beam Erection-4nd Floor       1 day       Wed 4/20/0       Fri 4/20/0         36       Deamm Erection-4nd Floor       1 day	
24       Baseplate Planing       6 day       Mon 11/24/03       Mon 12/1/03         25       Column Erection-1st Floor       1 day       Tue 12/203       Tue 12/203         26       Beam Erection-1st Floor       1 day       Tue 12/203       Mon 12/8/03         27       Column Erection-2nd Floor       1 day       Tue 12/203       Mon 12/8/03         27       Column Erection-2nd Floor       1 day       Tue 12/203       Mon 12/8/03         28       Beam Erection-2nd Floor       1 day       Wed 2/204       Mon 12/8/03         29       Column Erection-3nd Floor       1 day       Wed 2/404       Wed 2/404         30       Beam Erection-14Floor       1 day       Wed 2/404       Wed 2/404         32       Beam Erection-5h Floor       1 day       Tue 3/404       Tue 3/404         33       Column Erection-6h Floor       1 day       Thu 4/104       Tue 3/404         34       Beam Erection-High Roof       1 day       Wed 4/2804       Wed 4/2804         35       Column Erection-6h Floor       1 day       Wed 4/2804       Wed 4/2804         36       Beam Erection-High Roof       1 day       Wed 5/1004       Tue 5/11/04         37       Column Erection-High Roof       1 day <t< td=""><td></td></t<>	
26       Colume Erection-1st Floor       1 day       Tue 12/203       Tue 12/203         26       Beam Erection-1st Floor       1 day       We1 (2/303)       Mon 12/803         27       Colume Erection-3rd Floor       1 day       Yes 12/803       Mon 12/803         28       Beam Erection-3rd Floor       1 day       Yes 12/803       Mon 12/803         28       Beam Erection-3rd Floor       1 day       Yes 12/803       Mon 12/803         30       Beam Erection-3rd Floor       1 day       Yes 12/803       Mod 24/04         31       Colume Erection-3rd Floor       1 day       Yes 2/804       Wed 24/04         32       Beam Erection-4th Floor       1 day       Tue 3/804       Thu 3/404         33       Colume Erection-5th Floor       1 day       Tue 3/804       Thu 3/404         34       Beam Erection-4th Floor       1 day       Wed 4/2004       Fin 4/2004         36       Beam Erection-4th Roor       1 day       Wed 4/2004       Mon 5/1004         38       Beam Erection-High Roof       1 day       Wed 4/2004       Fin 5/2804         40       Beam Erection-High Roof       1 day       Wed 5/1204       Fin 5/2804	
28       Beam Erection-1st Floor       4 day       Wed 12/303       Mon 12/808         27       Column Erection-2nd Floor       1 day       Tue 12/903       Tue 12/903         28       Beam Erection-2nd Floor       1 day       Wed 12/303       Mon 15/04         29       Column Erection-3nd Floor       1 day       Tue 12/903       Mon 15/04         29       Column Erection-3nd Floor       1 day       Tue 12/903       Mon 15/04         30       Beam Erection-3nd Floor       1 day       Wed 2/404       Wed 2/404         31       Column Erection-4th Floor       1 day       Thu 2/1004       Hind 3/9/04         31       Column Erection-5th Floor       1 day       Thu 2/1004       Hind 3/9/04         32       Beam Erection-5th Floor       1 day       Thu 2/1004         33       Column Erection-tow Roof       1 day       Thu 2/106         34       Beam Erection-6th Floor       1 day       Tue 4/27/06         35       Column Erection-6th Floor       1 day       Tue 5/11/04         38       Beam Erection-High Roof       1 day       Tue 5/11/04         39       Column Erection-High Roof       1 day       Tue 5/11/04         40       Beam Erection-High Roof       1 day	
27       Column Erection-2nd Floor       1 day       Tue 12903       Tue 12903         28       Beam Erection-2nd Floor       19 days       Wed 12/10/03       Mon 1/5/04         29       Column Erection-3rd Floor       1 day       Tue 1/8/04       Tue 1/8/04         30       Beam Erection-3rd Floor       20 days       Wed 12/10/03       Mon 1/5/04         31       Column Erection-4th Floor       1 day       Wed 2/4/04       Wed 2/4/04         32       Beam Erection-4th Floor       1 day       Thu 2/5/04       Wed 3/3/04         33       Column Erection-5th Floor       1 day       Thu 2/6/04       Wed 3/2/04         34       Beam Erection-6th Floor       1 day       Thu 2/5/04       Wed 2/2/04         35       Column Erection-5th Floor       1 day       Thu 2/5/04       Wed 4/28/04         36       Beam Erection-6th Floor       1 day       Thu 2/5/04       Wed 4/28/04         38       Beam Erection-6th Floor       1 day       Tue 2/5/04       Wed 5/2/04         37       Column Erection-High Roof       1 day       Tue 2/5/04       Wed 5/2/04         38       Beam Erection-High Roof       1 day       Tue 5/11/04       Tue 5/11/04         40       Beam Erection-High Roof <t< td=""><td></td></t<>	
28       Beam Erection-2nd Floor       19 days       Wed 12/10/03       Mon 1/5/04         29       Column Erection-3rd Floor       1 day       Tue 1/8/04       Tue 1/8/04         30       Beam Erection-3rd Floor       1 day       Wed 2/3/04       Wed 2/3/04         31       Column Erection-4th Floor       1 day       Tue 2/3/04       Wed 2/3/04         32       Beam Erection-4th Floor       1 day       Thu 2/5/04       Wed 2/3/04         33       Column Erection-5th Floor       1 day       Thu 2/5/04       Wed 2/3/04         34       Beam Erection-5th Floor       1 day       Thu 4/2/04       Thu 4/2/04         35       Column Erection-6th Floor       1 day       Thu 4/2/04       Wed 4/28/04         38       Beam Erection-6th Floor       1 day       Wed 4/28/04       Wed 4/28/04         39       Column Erection-flip Roof       1 day       Tue 4/2/04         39       Column Erection-High Roof       1 day       Tue 4/2/04         39       Column Erection-High Roof       1 day       Tue 4/2/04         39       Column Erection-High Roof       1 day       Tue 4/2/04         40       Beam Erection-High Roof       1 day       Tue 5/11/04         40       Beam Erection-Hi	
29       Column Erection-3rd Floor       1 day       Tue 1/6/04       Tue 1/6/04         30       Beam Erection-3rd Floor       20 days       Wed 1/7/04       Tue 2/3/04         31       Column Erection-4th Floor       1 day       Wed 2/4/04       Wed 2/4/04         32       Beam Erection-4th Floor       20 days       Thu 2/5/04       Wed 2/4/04         33       Column Erection-5th Floor       1 day       Thu 3/4/04       Thu 3/4/04         34       Beam Erection-5th Floor       20 days       Fri 3/5/04       Thu 3/4/04         35       Column Erection-6th Floor       1 day       Fri 4/2/04         36       Beam Erection-6th Floor       1 day       Fri 4/2/04         37       Column Erection-6th Floor       1 day       Wed 4/28/04         38       Beam Erection-8th Floor       1 day       Wed 4/28/04         39       Column Erection-High Roof       1 day       Wed 3/2/04         40       Beam Erection-High Roof       1 day       Wed 5/12/04         41       Tue       Ved 5/12/04       Fri 5/28/04	
30       Beam Erection-3td Floor       20 days       Wed 17/104       Tue 2/304         31       Column Erection-4th Floor       1 day       Wed 2/404       Wed 2/404         32       Beam Erection-4th Floor       1 day       Thu 2/304       Wed 2/404         33       Column Erection-4th Floor       1 day       Thu 3/404       Thu 3/404         34       Beam Erection-5th Floor       1 day       Thu 4/104         35       Column Erection-6th Floor       1 day       Fri 4/204         36       Beam Erection-1ow Roof       1 fday       Ked 4/2004         37       Column Erection-6th Floor       1 day       Wed 4/2804         38       Beam Erection-fligh Roof       1 day       Tue 5/11/04         40       Beam Erection-High Roof       1 day       Tue 5/11/04         40       Beam Erection-High Roof       1 day       Wed 5/12/04         41       Beam Erection-High Roof       1 day       Wed 5/12/04	
31       Column Erection-4th Floor       1 day       Wed 2/4/04       Wed 2/4/04         32       Beam Erection-4th Floor       20 days       Thu 2/5/04       Wed 3/304         33       Column Erection-5th Floor       1 day       Thu 3/4/04       Thu 3/4/04         34       Beam Erection-5th Floor       1 day       Fri 4/2/04       Fri 4/2/04         35       Column Erection-Low Roof       1 day       Fri 4/2/04       Fri 4/2/04         36       Beam Erection-Chow Roof       1 day       Wed 4/28/04       Wed 4/28/04         37       Column Erection-6th Floor       1 day       Wed 4/28/04       Wed 4/28/04         38       Beam Erection-6th Floor       1 day       Tue 5/11/04       Tue 5/11/04         40       Beam Erection-High Roof       1 day       Wed 5/12/04       Fri 5/28/04	
32       Beam Erection-4th Floor       20 day       Thu 2/5/04       Wed 3/3/04         33       Column Erection-5th Floor       1 day       Thu 3/4/04       Thu 3/4/04         34       Beam Erection-5th Floor       20 days       Fri 3/5/04       Thu 4/1/04         35       Column Erection-Low Roof       1 day       Fri 4/2/04       Fri 4/2/04         36       Beam Erection-6th Floor       1 day       Wed 4/28/04       Wed 4/28/04         37       Column Erection-6th Floor       1 day       Wed 4/28/04       Wed 4/28/04         38       Beam Erection-6th Floor       1 day       Tue 5/11/04       Tue 5/11/04         39       Column Erection-High Roof       1 day       Tue 5/11/04       Tue 5/11/04         40       Beam Erection-High Roof       1 day       Wed 5/12/04       Fri 5/28/04	
33       Column Erection-5th Floor       1 day       Thu 3/4/04         34       Beam Erection-5th Floor       20 days       Frii 3/5/04       Thu 4/1/04         35       Column Erection-Low Roof       1 day       Frii 4/2/04       Frii 4/2/04         36       Beam Erection-Low Roof       1 day       Frii 4/2/04       Frii 4/2/04         37       Column Erection-How Roof       1 day       Wed 4/28/04       Wed 4/28/04         38       Beam Erection-6th Floor       1 day       Wed 4/28/04       Mon 5/10/04         39       Column Erection-High Roof       1 day       Tue 5/11/04       Tue 5/11/04         40       Beam Erection-High Roof       1 day       Wed 5/12/04       Frii 5/28/04	
34       Beam Erection-Sth Floor       20 days       Fri 3/5/0       Thu 4/1/04         35       Column Erection-Low Roof       1 day       Fri 4/2/04         36       Beam Erection-Low Roof       17 days       Mon 4/5/04         37       Column Erection-6th Floor       1 day       Wed 4/28/04         38       Beam Erection-6th Floor       1 day       Wed 4/28/04         39       Column Erection-High Roof       1 day       Tue 5/11/04         40       Beam Erection-High Roof       1 days       Wed 5/12/04         Fri 5/28/04	
35       Column Erection-Low Roof       1 day       Fri 4/2/04       Fri 4/2/04         36       Beam Erection-Low Roof       17 day       Mon 4/5/04       Tue 4/27/04         37       Column Erection-6th Floor       1 day       Wed 4/28/04       Wed 4/28/04         38       Beam Erection-6th Floor       8 days       Thu 4/29/04       Mon 5/10/04         39       Column Erection-High Roof       1 day       Tue 5/11/04       Tue 5/11/04         40       Beam Erection-High Roof       13 days       Wed 5/12/04       Fri 5/28/04             Task       Progress    Summary  External Tasks Deadline	
36       Beam Erection-Low Roof       17 days       Mon 4/5/04       Tue 4/27/04         37       Column Erection-6th Floor       1 day       Wed 4/28/04       Wed 4/28/04         38       Beam Erection-6th Floor       8 days       Thu 4/29/04       Mon 5/10/04         39       Column Erection-High Roof       1 day       Tue 5/11/04       Tue 5/11/04         40       Beam Erection-High Roof       13 days       Wed 5/12/04       Fri 5/28/04         Task       Progress         Summary       External Tasks       Deadline	
37 Column Erection-6th Floor 1 day Wed 4/28/04 Wed 4/28/04   38 Beam Erection-6th Floor 8 days Thu 4/29/04 Mon 5/10/04   39 Column Erection-High Roof 1 day Tue 5/11/04   40 Beam Erection-High Roof 1 3 days Wed 5/12/04   Fri 5/28/04	
38 Beam Erection-6th Floor 8 days Thu 4/29/04 Mon 5/10/04   39 Column Erection-High Roof 1 day Tue 5/11/04 Tue 5/11/04   40 Beam Erection-High Roof 13 days Wed 5/12/04 Fri 5/28/04     Task   Progress   Summary External Tasks Deadline	
39 Column Erection-High Roof 1 day Tue 5/11/04   40 Beam Erection-High Roof 13 days Wed 5/12/04     Fri 5/28/04     Image: Summary in the state of the sta	
40 Beam Erection-High Roof 13 days Wed 5/12/04 Fri 5/28/04     Image: Constraint of the second	
Task  Progress   Summary External Tasks Deadline	
Split Milestane Dreiset Summany	
Split Milestone Internal Milestone Project Summary External Milestone Internal Milestone	

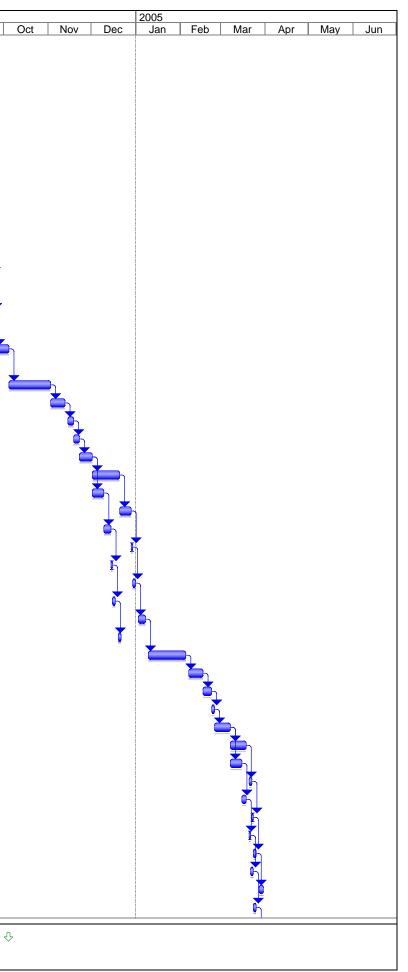
ID	0	Task Name	Duration	Start	Finish	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2004 Jan	Feb	Mar	Apr	May	Ju
41	-	Composite Deck Erection-1st F	4 days	Mon 5/31/04	Thu 6/3/04	Jun	501	Aug	J Sep			Dec	Jan	reb	Iviai		Iviay	<u>b</u>
42		Composite Deck Reinforcing-1s	2 days	Fri 6/4/04	Mon 6/7/04													
43		Composite Deck Placing-1st Flo	4 days	Tue 6/8/04	Fri 6/11/04													<u> </u>
44		Composite Deck Erection-2nd F	4 days	Mon 6/14/04	Thu 6/17/04													<u></u>
45		Composite Deck Reinforcing-2r	2 days	Fri 6/18/04	Mon 6/21/04													
46		Composite Deck Placing-2nd Fl	4 days	Tue 6/22/04	Fri 6/25/04													
47		Composite Deck Erection-3rd F	4 days	Mon 6/28/04	Thu 7/1/04													
48		Composite Deck Reinforcing-3r	2 days	Fri 7/2/04	Mon 7/5/04													
49		Composite Deck Placing-3rd Fl	4 days	Tue 7/6/04	Fri 7/9/04													
50		Composite Deck Erection-4th F	4 days	Mon 7/12/04	Thu 7/15/04													
51		Composite Deck Reinforcing-4t	2 days	Fri 7/16/04	Mon 7/19/04													
52		Composite Deck Placing-4th Flo	4 days	Tue 7/20/04	Fri 7/23/04													
53		Composite Deck Erection-5th F	3 days	Mon 7/26/04	Wed 7/28/04													
54		Composite Deck Reinforcing-5t	2 days	Thu 7/29/04	Fri 7/30/04													
55		Composite Deck Placing-5th Flo	4 days	Mon 8/2/04	Thu 8/5/04													
56		Composite Deck Erection-6th F	1 day	Fri 8/6/04	Fri 8/6/04													
57		Composite Deck Reinforcing-6t	1 day	Mon 8/9/04	Mon 8/9/04													
58		Composite Deck Placing-6th Flo	1 day	Tue 8/10/04	Tue 8/10/04													
59		Roof Deck Erection-Low Roof	2 days	Wed 8/11/04	Thu 8/12/04													
60		Roof Deck Erection-High Roof	1 day	Fri 8/13/04	Fri 8/13/04													
61		Fireproofing-Basement	1 day	Mon 8/16/04	Mon 8/16/04													
62		Fireproofing-1st Floor	15 days	Tue 8/17/04	Mon 9/6/04													
63		Fireproofing-2nd Floor	15 days	Tue 9/7/04	Mon 9/27/04													
64		Fireproofing-3rd Floor	15 days	Tue 9/28/04	Mon 10/18/04													
65		Fireproofing-4th Floor	14 days	Tue 10/19/04	Fri 11/5/04													
66		Fireproofing-5th Floor	14 days	Mon 11/8/04	Thu 11/25/04													
67		Fireproofing-Low Roof	10 days	Fri 11/26/04	Thu 12/9/04													
68		Fireproofing-6th Floor	5 days	Fri 12/10/04	Thu 12/16/04													
69		Fireproofing-High Roof	6 days	Fri 12/17/04	Fri 12/24/04													

 Task
 Progress
 Summary
 External Tasks
 Deadline
 Image: Constraint of the state of t



ID 👝	Task Name	Duration	Start	Finish	2004
1	Formwork Procurement			Eri 6/20/02	Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun
1		15 days	Mon 6/2/03	Fri 6/20/03	
2	Rebar Procurement	25 days	Mon 6/2/03	Fri 7/4/03	
3	Steel Procurement	50 days	Mon 6/2/03	Fri 8/8/03	
4	Pile Placing	12 days	Mon 6/2/03	Tue 6/17/03	
5	Pile Cap Forming	14 days	Mon 6/23/03	Thu 7/10/03	
6	Pile Cap Reinforcing Pile Cap Placing	3 days	Fri 7/11/03	Tue 7/15/03	
7	Pile Cap Placing Pile Cap Curing	2 days	Wed 7/16/03 Fri 7/18/03	Thu 7/17/03 Mon 7/21/03	
8	Pile Cap Striping	2 days 5 days	Tue 7/22/03		
	Continuous Footing Forming		Tue 7/29/03	Mon 7/28/03 Thu 9/25/03	
10	Continuous Footing Placing	43 days 1 day	Fri 9/26/03	Fri 9/26/03	
12	Continuous Footing Curing	2 days	Mon 9/29/03	Tue 9/30/03	
12	Continuous Footing Striping	15 days		Tue 10/21/03	
14	Slab on Grade Forming	-			
15	Slab on Grade Reinforcing	4 days		Tue 10/28/03	
	Slab on Grade Placing	5	Wed 10/29/03		
16 17	Slab on Grade Curing	2 days 2 days	Fri 10/31/03		
18	Slab on Grade Striping	2 days	Tue 11/4/03	Tue 11/4/03	
19	Column Forming-Basement	13 days	Wed 11/5/03		
20	Column Reinforcing-Basement	-			
20	Column Placing-Basement	1 day		Thu 11/27/03	
22	Column Curing-Basement	2 days	Fri 11/28/03		
23	Column Striping-Basement	5 days	Tue 12/2/03		
24	Two-Way Flat Slab Forming-1s	5	Tue 12/9/03	Tue 1/6/04	
25	Two-Way Flat Slab Reinforcing	-	Wed 1/7/04	Fri 1/16/04	
26	Two-Way Flat Slab Placing-1st		Mon 1/19/04	Thu 1/22/04	
27	Two-Way Flat Slab Curing-1st	-	Fri 1/23/04	Mon 1/26/04	
28	Two-Way Flat Slab Striping-1st	-	Tue 1/27/04	Wed 2/4/04	
29	Column Forming-1st Floor	16 days	Thu 2/5/04	Thu 2/26/04	
30	Shear Wall Forming-1st Floor	6 days	Thu 2/5/04	Thu 2/12/04	
31	Column Reinforcing-1st Floor	4 days	Fri 2/27/04	Wed 3/3/04	
32	Shear Wall Reinforcing-1st Flo	-	Fri 2/13/04	Tue 2/17/04	
33	Column Placing-1st Floor	1 day	Thu 3/4/04	Thu 3/4/04	
34	Shear Wall Placing-1st Floor	1 day		Wed 2/18/04	
35	Column Curing-1st Floor	2 days	Fri 3/5/04	Mon 3/8/04	
36	Shear Wall Curing-1st Floor	2 days	Thu 2/19/04	Fri 2/20/04	
37	Column Striping-1st Floor	6 days	Tue 3/9/04	Tue 3/16/04	
38	Shear Wall Striping-1st Floor	2 days	Mon 2/23/04	Tue 2/24/04	
39	Two-Way Flat Slab Forming-2r	-	Wed 3/17/04	Wed 4/14/04	
40	Two-Way Flat Slab Reinforcing		Thu 4/15/04	Mon 4/26/04	
41	Two-Way Flat Slab Placing-2nd	-	Tue 4/27/04	Fri 4/30/04	
42	Two-Way Flat Slab Curing-2nd	-	Mon 5/3/04	Tue 5/4/04	
43	Two-Way Flat Slab Striping-2n	-	Wed 5/5/04	Thu 5/13/04	
44	Column Forming-2nd Floor	16 days	Fri 5/14/04	Fri 6/4/04	
45	Shear Wall Forming-2nd Floor		Fri 5/14/04	Fri 5/21/04	$\Delta = \frac{1}{2}$
46	Column Reinforcing-2nd Floor	4 days	Mon 6/7/04	Thu 6/10/04	
47	Shear Wall Reinforcing-2nd Flo	o 3 days	Mon 5/24/04	Wed 5/26/04	
48	Column Placing-2nd Floor	1 day	Fri 6/11/04	Fri 6/11/04	
49	Shear Wall Placing-2nd Floor	1 day	Thu 5/27/04	Thu 5/27/04	$\mathbf{x} = \mathbf{x}$
	Ta			Prog	
	Sp	lit		Miles	stone In Project Summary External Milestone Information Statement Inform

ID	0	Task Name	Duration	Start	Finish					Nov	Dec Jan	Feb	Mar	Apr	Mov		۸	Son 1
50	<u> </u>	Column Curing-2nd Floor	2 days	Mon 6/14/04	Tue 6/15/04	Jun	Jul	Aug Sep	Oct	INOV	Dec Jan	Feb	iviar i	Apr	May Ju	in Jul	Aug	Sep
51		Shear Wall Curing-2nd Floor	2 days	Fri 5/28/04	Mon 5/31/04										<b></b>			
52		Column Striping-2nd Floor	6 days	Wed 6/16/04	Wed 6/23/04											<b>Δ</b> η		
53		Shear Wall Striping-2nd Floor	2 days	Thu 6/24/04	Fri 6/25/04											Т <mark>к</mark>		
54		Two-Way Flat Slab Forming-3rc	21 days	Mon 6/28/04	Mon 7/26/04													
55		Two-Way Flat Slab Reinforcing	8 days	Tue 7/27/04	Thu 8/5/04													
56		Two-Way Flat Slab Placing-3rd	4 days	Fri 8/6/04	Wed 8/11/04												Δ,	
57		Two-Way Flat Slab Curing-3rd I	2 days	Thu 8/12/04	Fri 8/13/04												, K	
58		Two-Way Flat Slab Striping-3rd	7 days	Mon 8/16/04	Tue 8/24/04												້ 🎽	
59		Column Forming-3rd Floor	16 days	Wed 8/25/04	Wed 9/15/04													
60		Shear Wall Forming-3rd Floor	6 days	Wed 8/25/04	Wed 9/1/04												2	
61		Column Reinforcing-3rd Floor	4 days	Thu 9/16/04	Tue 9/21/04													Δ
62		Shear Wall Reinforcing-3rd Floc	3 days	Thu 9/2/04	Mon 9/6/04													Š
63		Column Placing-3rd Floor	1 day	Wed 9/22/04	Wed 9/22/04													, F
64		Shear Wall Placing-3rd Floor	1 day	Tue 9/7/04	Tue 9/7/04													Γ, L
65		Column Curing-3rd Floor	2 days	Thu 9/23/04	Fri 9/24/04													
66		Shear Wall Curing-3rd Floor	2 days	Wed 9/8/04	Thu 9/9/04													Γ, L
67		Column Striping-3rd Floor	6 days	Mon 9/27/04	Mon 10/4/04													🍢
68		Shear Wall Striping-3rd Floor	2 days	Fri 9/10/04	Mon 9/13/04													Ŭ.
69		Two-Way Flat Slab Forming-4th	21 days	Tue 10/5/04	Tue 11/2/04													
70		Two-Way Flat Slab Reinforcing-	8 days	Wed 11/3/04	Fri 11/12/04													
71		Two-Way Flat Slab Placing-4th	4 days	Mon 11/15/04	Thu 11/18/04													
72		Two-Way Flat Slab Curing-4th I	2 days	Fri 11/19/04	Mon 11/22/04													
73		Two-Way Flat Slab Striping-4th	7 days	Tue 11/23/04	Wed 12/1/04													
74		Column Forming-4th Floor	13 days	Thu 12/2/04	Mon 12/20/04													
75		Shear Wall Forming-4th Floor	6 days	Thu 12/2/04	Thu 12/9/04													
76		Column Reinforcing-4th Floor	6 days	Tue 12/21/04	Tue 12/28/04													
77		Shear Wall Reinforcing-4th Floc	3 days	Fri 12/10/04														
78		Column Placing-4th Floor	1 day	Wed 12/29/04														
79		Shear Wall Placing-4th Floor	-		Wed 12/15/04													
80		Column Curing-4th Floor	-	Thu 12/30/04	Fri 12/31/04													
81		Shear Wall Curing-4th Floor	2 days	Thu 12/16/04	Fri 12/17/04													
82		Column Striping-4th Floor	5 days	Mon 1/3/05	Fri 1/7/05													
83		Shear Wall Striping-4th Floor	-	Mon 12/20/04														
84		Two-Way Flat Slab Forming-5th	20 days	Mon 1/10/05	Fri 2/4/05													
85		Two-Way Flat Slab Reinforcing	8 days	Mon 2/7/05	Wed 2/16/05													
86		Two-Way Flat Slab Placing-5th	4 days	Thu 2/17/05	Tue 2/22/05													
87		Two-Way Flat Slab Curing-5th F	2 days	Wed 2/23/05	Thu 2/24/05													
88		Two-Way Flat Slab Striping-5th	7 days	Fri 2/25/05	Mon 3/7/05													
89		Column Forming-5th Floor	9 days	Tue 3/8/05	Fri 3/18/05													
90		Shear Wall Forming-5th Floor	6 days	Tue 3/8/05	Tue 3/15/05													
91 92		Column Reinforcing-5th Floor Shear Wall Reinforcing-5th Floor	2 days	Mon 3/21/05 Wed 3/16/05	Tue 3/22/05 Fri 3/18/05													
		Column Placing-5th Floor		Wed 3/16/05 Wed 3/23/05	Wed 3/23/05													
93 94		Shear Wall Placing-5th Floor	1 day 1 day	Mon 3/21/05	Mon 3/21/05													
94		Column Curing-5th Floor	2 days	Thu 3/24/05	Fri 3/25/05													
95		Shear Wall Curing-5th Floor	2 days 2 days	Tue 3/22/05	Wed 3/23/05													
96		Column Striping-5th Floor	2 days 3 days	Mon 3/28/05	Wed 3/23/05 Wed 3/30/05													
97		Shear Wall Striping-5th Floor	2 days	Thu 3/24/05	Fri 3/25/05													
			2 uays	110 3/24/03	111 3/23/03													
		Tasl	<		Prog	gress			Summar	ry		<b></b>	External T	asks			Deadline	仑
		Split			Miles	stone	•		Project S	Summary	$\bigtriangledown$		External N	lilestone	<b></b>			



00 SI 01 SI 02 SI 03 SI	Shear Wall Forming-Low Roof		Start	Finish					<u> </u>			2004									
00 SI 01 SI 02 SI 03 SI	-	5 days	Mon 3/28/05	Fri 4/1/05	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Auç	I Se	ep
01 SI 02 SI 03 SI	Shear Wall Reinforcing-Low Ro	2 days	Mon 4/4/05	Tue 4/5/05																	
03 SI	Shear Wall Placing-Low Roof	1 day	Wed 4/6/05	Wed 4/6/05																	
	Shear Wall Curing-Low Roof	2 days	Thu 4/7/05	Fri 4/8/05																	
	Shear Wall Striping-Low Roof	2 days	Mon 4/11/05	Tue 4/12/05																	
04 Be	Beam Forming-6th Floor	3 days	Wed 4/13/05	Fri 4/15/05																	
05 O	Dne-Way Slab Forming-6th Flo	7 days	Wed 4/13/05	Thu 4/21/05																	
06 Be	Beam Reinforcing-6th Floor	1 day	Fri 4/22/05	Fri 4/22/05																	
07 O	Dne-Way Slab Reinforcing-6th	1 day	Fri 4/22/05	Fri 4/22/05																	
08 Be	Beam Placing-6th Floor	1 day	Mon 4/25/05	Mon 4/25/05																	
09 O	One-Way Slab Placing-6th Floo	1 day	Mon 4/25/05	Mon 4/25/05																	
10 Be	Beam Curing-6th Floor	2 days	Tue 4/26/05	Wed 4/27/05																	
	Dne-Way Slab Curing-6th Floor	2 days	Tue 4/26/05	Wed 4/27/05																	
	Beam Striping-6th Floor	1 day	Thu 4/28/05	Thu 4/28/05																	
	Dne-Way Slab Striping-6th Floc	3 days	Thu 4/28/05	Mon 5/2/05																	
	Column Forming-6th Floor	5 days	Tue 5/3/05	Mon 5/9/05																	
	Column Reinforcing-6th Floor	2 days	Tue 5/10/05	Wed 5/11/05																	
	Column Placing-6th Floor	1 day	Thu 5/12/05	Thu 5/12/05																	
	Column Curing-6th Floor	2 days	Fri 5/13/05	Mon 5/16/05																	
	Column Striping-6th Floor	2 days	Tue 5/17/05	Wed 5/18/05																	
	Column Erection-Low Roof	1 day	Thu 5/19/05	Thu 5/19/05																	
	Beam Erection-Low Roof	2 days	Fri 5/20/05 Tue 5/24/05	Mon 5/23/05																	
	Beam Erection-High Roof Roof Deck Erection-Low Roof	9 days 2 days	Mon 6/6/05	Fri 6/3/05 Tue 6/7/05																	
	Roof Deck Erection-High Roof	2 days 1 day	Wed 6/8/05	Wed 6/8/05																	
	Fireproofing-Low Roof	6 days	Thu 6/9/05	Thu 6/16/05																	
	Fireproofing-High Roof	4 days	Fri 6/17/05	Wed 6/22/05																	

Summary

 $\nabla^{-}$ 

Project Summary 
External Milestone

External Tasks

Deadline

Task

Split

......

Progress

Milestone

\_

 $\diamond$ 

