



HYATT REGENCY
PITTSBURGH INTERNATIONAL AIRPORT
PITTSBURGH, PA



APPENDIX G

Concrete Framing Time Estimate

Filigree Precast Plank

	<i>Size (Sq. Ft./ Floor)</i>	<i>Floors</i>	<i>Daily Output</i>	<i>Days Required</i>
Precast Plank	17,000	12	1575	129.52

C.I.P. Slab on Plank

	<i>Volume (C.Y./ Floor)</i>	<i>Floors</i>	<i>Daily Output</i>	<i>Days Required</i>
Slab	131	12	95	16.55

C.I.P. Columns

	<i>Volume (C.Y./ Column)</i>	<i>Columns</i>	<i>Daily Output</i>	<i>Days Required</i>
22"x28"	21.9	22	14.15	34.05
22"x32"	25	22	14.15	38.87
				72.92

Total Building Time

Precast Plank	129.52
C.I.P. Slab on Plank	16.55
C.I.P. Columns	72.92

Total No. of Days = 220



Steel Framing Time Estimate

Gravity Beam Time

	<i>Total Length (ft)</i>	<i>Daily Output</i>	<i>Days Required</i>
W8X10	966	600	1.61
W8X35	8370	550	15.22
W8X48	5585	550	10.15
W10X12	311	600	0.52
W10X19	37	600	0.06
W12X14	162	880	0.18
W12X19	681	880	0.77
W14X22	898	990	0.91
W14X53	270	720	0.38
W16X26	8164	1000	8.16
W16X31	251	900	0.28
W16X36	318	800	0.40
W16X57	240	800	0.30
W18X35	94	960	0.10
W18X40	54	960	0.06
W18X50	259	912	0.28
W21X44	2232	1064	2.10
			41.48

Gravity Column Time

	<i>Total Length (ft)</i>	<i>Daily Output</i>	<i>Days Required</i>
W14X74	2341	984	2.38
W14X120	1195	960	1.24
W14X176	352	912	0.39
			4.01

Frame Beam and Brace Time

	<i>Total Length (ft)</i>	<i>Daily Output</i>	<i>Days Required</i>
W8X40	3323	550	6.04
W12X53	1482	640	2.32
			8.36



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Frame Column Time

	<i>Total Length (ft)</i>	<i>Daily Output</i>	<i>Days Required</i>
W14X43	175	984	0.18
W14X48	70	984	0.07
W14X53	68	984	0.07
W14X61	311	984	0.32
W14X68	68	984	0.07
W14X74	66	984	0.07
W14X82	132	984	0.13
W14X90	328	984	0.33
W14X109	90	960	0.09
W14X120	66	960	0.07
W14X132	198	960	0.21
W14X159	185	960	0.19
W14X176	107	912	0.12
W14X233	208	912	0.23
W14X283	152	912	0.17
			2.31

Shear Stud Time

	<i>Number</i>	<i>Daily Output</i>	<i>Days Required</i>
Studs	24095	960	25.10

Decking and Slab Time

	<i>Size (Sq. Ft.)</i>	<i>Daily Output</i>	<i>Days Required</i>
Steel Decking	204000	4300	47.44
Slab	204000	2685	75.98
			123.42

Total Building Time

Gravity Beams	41.48
Gravity Columns	4.01
Frame Beams and Braces	8.36
Frame Columns	2.30
Shear Studs	25.10
Decking and Slab	123.42

Total No. of Days = 205