

Phase IIIA Education Building

George University

Prince George County, Virginia

Prepared: 5/25/2007

This takeoff has been prepared by Walsh Estimating Service, a division of Maracorp International:

Although we have been careful to assure that all items are correct, we make no guarantee beyond the cost of our work. The contractor has the final responsibility for completeness and accuracy in the preparation of his bid.

By acceptance of this takeoff, the purchaser agrees to the following statement:

I do hereby release and hold harmless Walsh Estimating Service, Maracorp International, Ed Walsh, and his employees from any and all errors and omissions beyond the invoiced value of services rendered.

Prepared For:

Concrete Construction Company, Inc,

	ITEM	UNIT	QUANT	PRICE	AMOUNT
	Phase IIIA Education Building				
	George University				
	Prince George County, Virginia				
	Prepared: 5/25/2007				
	NOTES:				
	1. Specifications have not been reviewed.				
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I.	DRILLED PIERS				
	Concrete				
	Pier Concrete	CY	110		
	Forms				
	30" Diameter Depth	LF	193		
	36" Diameter Depth	LF	123		
	42" Diameter Depth	LF	94		
	48" Diameter Depth	LF	19		
	∑	∑			
	Subtotal				

	ITEM	UNIT	QUANT	PRICE	AMOUNT
II.	SPREAD FOOTING ALTERNATE				
	Concrete				
	Spread Footing Concrete	CY	126		
	Forms				
	Edge Forms, 2' high	SF	2,936		
	î	î			
Subtotal					
III.	GRADE BEAMS				
	Concrete				
	Grade Beam Concrete	CY	99		
	Forms				
	Edge Forms, 1'-8" high	SF	2,685		
	î	î			
Subtotal					
IV.	STRIP FOOTINGS				
	Building Footings				
	Strip Footing Concrete	CY	38		
	Edge Forms, 1' high	SF	1,020		
	Loading Dock Footings				
	Strip Footing Concrete	CY	4		
	Edge Forms, 1' high	SF	63		
	Bench Footings				
	Strip Footing Concrete	CY	14		
	Edge Forms, 1' high	SF	395		
	Screen Wall Footings				
	Strip Footing Concrete	CY	4		
	Edge Forms, 1' high	SF	55		
	î	î			
Subtotal					

	ITEM	UNIT	QUANT	PRICE	AMOUNT
V.	COLUMNS				
	First Floor				
	Square Column Concrete	CY	79		
	Round Column Concrete	CY	26		
	Straight Forms	SF	4,569		
	Tube Forms, 10" diameter	LF	31		
	Tube Forms, 20" diameter	LF	90		
	Tube Forms, 24" diameter	LF	151		
	Second Floor				
	Square Columns	CY	88		
	Round Columns	CY	4.3		
	Straight Forms	SF	4,740		
	Tube Forms, 20" diameter	LF	53		
	Third Floor				
	Square Columns	CY	37		
	Round Columns	CY	4.2		
	Straight Forms	SF	1,985		
	Tube Forms, 20" diameter	LF	51		
	Main Roof				
	Square Columns	CY	33		
	Round Columns	CY	4.6		
	Straight Forms	SF	1,833		
	Tube Forms, 20" diameter	LF	57		
	∑	∑			
Subtotal					

	ITEM	UNIT	QUANT	PRICE	AMOUNT
VI.	SLAB ON GRADE				
	Concrete				
	Flat Slab on Grade Concrete, 4" thick - Area	SF	29,880		
	Flat Slab on Grade Concrete, 4" thick - Volume	CY	370		
	Sloped Slab on Grade Concrete, 4" thick - Area	SF	3,535		
	Sloped Slab on Grade Concrete, 4" thick - Volume	CY	40		
	Elevator Pit Slabs	SF	220		
	Elevator Pit Slab Concrete	CY	10.0		
	Stone Under Slab				
	#57 Stone, 4" thick	SF	33,635		
	Polyethylene, 6 mil thick	SF	33,635		
	Premolded Joint Filler, 4" high	LF	2,010		
	Construction Joint	LF	160		
	Control Joint (<i>NOTE: The plans were vague regarding the location of the control joints, we assumed 1 lf for every 8 sf of floor area</i>)	LF	4,000		
	Forms				
	Edge Forms, 1' high	SF	84		
	Edge Forms, 6" high	SF	14		
	î	î			
Subtotal					

	ITEM	UNIT	QUANT	PRICE	AMOUNT
VII.	UPPER FLOOR SLABS				
	Second Floor				
	Second Floor Slab Area	SF	22,720		
	Second Floor Concrete (NOTE: Includes slab, drop panels, beams and pan joists)	CY	1,010		
	8" One Way Slab Area	SF	1,190		
	8" One Way Slab Concrete	CY	30		
	10" One Way Slab Area	SF	2,805		
	10" One Way Slab Concrete	CY	86		
	Construction Joint	LF	275		
	Control Joint (NOTE: The plans were vague regarding the location of the control joints, we assumed 1 lf for every 8 sf of floor area)	LF	3,340		
	Supported Forms	SF	22,720		
	Edge Forms	SF	6,575		
	Pan Forms, 24-1/2" deep (horizontal top area)	SF	10,375		
	Third Floor				
	Third Floor Slab Area	SF	23,351		
	Third Floor Concrete (NOTE: Includes slab, drop panels, beams and pan joists)	CY	910		
	8" One Way Slab Area	SF	375		
	8" One Way Slab Concrete	CY	9		
	10" One Way Slab Area	SF	3,545		
	10" One Way Slab Concrete	CY	109		
	Construction Joint	LF	390		
	Control Joint (NOTE: The plans were vague regarding the location of the control joints, we assumed 1 lf for every 8 sf of floor area)	LF	3,410		
	Supported Forms	SF	23,351		
	Edge Forms	SF	5,850		
	Pan Forms, 24-1/2" deep (horizontal top area)	SF	9,750		

	ITEM	UNIT	QUANT	PRICE	AMOUNT
	Penthouse Floor				
	Penthouse Floor Area	SF	6,810		
	Penthouse Floor Concrete (NOTE: Includes slab, drop panels, beams and pan joists)	CY	240		
	Control Joint (NOTE: The plans were vague regarding the location of the control joints, we assumed 1 lf for every 8 sf of floor area)	LF	850		
	Supported Forms	SF	6,810		
	Edge Forms	SF	1,740		
	Pan Forms, 27-1/2" deep (horizontal top area)	SF	4,940		
	î	î			
Subtotal					
VIII.	ROOF				
	Second Floor				
	4-1/2" Roof Area	SF	5,270		
	4-1/2" Roof Concrete (NOTE: Includes slab, drop panels, beams and pan joists)	CY	174		
	6" thick One Way Slab Canopy Roofs	SF	1,490		
	6" thick One Way Slab Canopy Roof Concrete	CY	30		
	12" x 9" high Curb	LF	255		
	12" x 9" high Curb Concrete	CY	7		
	Control Joint (NOTE: The plans were vague regarding the location of the control joints, we assumed 1 lf for every 8 sf of floor area)	LF	845		
	Supported Forms	SF	6,760		
	Edge Forms	SF	1,365		
	Pan Forms, 24-1/2" deep (horizontal top area)	SF	3,710		
	Curb Forms	SF	385		

	ITEM	UNIT	QUANT	PRICE	AMOUNT
	Main Roof				
	10-1/2" Main Roof Area	SF	1,340		
	10-1/2" Roof Concrete (NOTE: Includes slab, drop panels, beams and pan joists)	CY	55		
	10" One Way Slab	SF	1,560		
	10" One Way Slab Concrete	CY	48		
	9" Main Roof Area	SF	8,615		
	9" Main Roof Concrete (NOTE: Includes slab, drop panels, beams and pan joists)	CY	272		
	4-1/2" Main Roof Area	SF	11,310		
	4-1/2" Main Roof Concrete (NOTE: Includes Slab, Drop Panels, Beams and Pan Joists)	CY	438		
	Equipment Curbs, 8" x 8"	LF	35		
	Equipment Curb Concrete	CY	1		
	Pedestals, 1.33' x 1.33' x 2'	EA	12		
	Pedestal Concrete	CY	2		
	Construction Joint	LF	435		
	Control Joint (NOTE: The plans were vague regarding the location of the control joints, we assumed 1 lf for every 8 sf of floor area)	LF	2,855		
	Supported Forms	SF	22,825		
	Edge Forms	SF	6,160		
	Pan Forms, 24-1/2" deep (horizontal top area)	SF	7,010		
	Curb Forms	SF	587		
	Pedestal Forms	SF	128		

	ITEM	UNIT	QUANT	PRICE	AMOUNT
	High Roof				
	4-1/2" High Roof Area	SF	1,460		
	4-1/2" Roof Concrete (NOTE: Includes slab, drop panels, beams and pan joists)	CY	30		
	6" One Way Slab Area	SF	410		
	6" One Way Slab Concrete	CY	11		
	10" One Way Slab Area	SF	3,385		
	10" One Way Slab Concrete	CY	134		
	Beams for Louvered Panels	LF	214		
	Beam Concrete	CY	18		
	8" x 16" Concrete Curb	LF	472		
	8" x 16" Concrete Curb Concrete	CY	16		
	Control Joint (NOTE: The plans were vague regarding the location of the control joints, we assumed 1 lf for every 8 sf of floor area)	LF	660		
	Supported Forms	SF	5,575		
	Edge Forms	SF	1,818		
	Pan Forms, 24-1/2" deep (horizontal top area)	SF	895		
	Curb Forms	SF	1,256		
	î	î			
Subtotal					
IX.	WALLS				
	Concrete Volume	CY	119		
	Straight Forms	SF	9,575		
	î	î			
Subtotal					

	ITEM	UNIT	QUANT	PRICE	AMOUNT
X.	STAIRS				
	Stair Units				
	Stair #1 Concrete	CY	8		
	Stair #2 Concrete	CY	9		
	Stair #4 Concrete	CY	13		
	Forms				
	Supported Forms	SF	956		
	Riser Forms, 7" high	SF	554		
	Nosing				
	Nosing	LF	956		
	Landings				
	Landing Area	SF	1,473		
	Concrete for Landings	CY	37		
	Landing Supported Forms	SF	1,473		
	î	check	408,475		
Subtotal					
IX.	TOTAL JOB SUMMARY				
	Alternate				
	Alternate: Spread Footing Concrete	CY	126		
	Alternate: Edge Forms, 2' high	SF	2,936		
	Miscellaneous				
	#57 Stone, 4" thick	SF	33,635		
	Polyethylene, 6 mil thick	SF	33,635		
	Premolded Joint Filler, 4" high	LF	2,010		
	12" x 9" high Curb	LF	255		
	Equipment Curbs, 8" x 8"	LF	35		
	Pedestals, 1.33' x 1.33' x 2'	EA	12		
	Beams for Louvered Panels	LF	214		
	8" x 16" Concrete Curb	LF	472		
	Nosing	LF	956		
	Finish				
	Concrete Finish Area	SF	130,744		

	ITEM	UNIT	QUANT	PRICE	AMOUNT
	Concrete Volume				
	Footing and Grade Beam Concrete Volume	CY	268		
	Column Concrete	CY	275		
	Floor, Roof, Beam and Stair Concrete	CY	4,091		
	Wall Concrete	CY	119		
	Curbs	CY	23		
	Joints				
	Control Joints	LF	15,961		
	Construction Joints	LF	1,260		
	Forms				
	Straight Forms for Walls	SF	9,575		
	Straight Forms for Columns	SF	13,127		
	Supported Forms	SF	90,470		
	Edge Forms (NOTE: Including Curbs)	SF	30,735		
	Pan Forms, 24-1/2" deep	SF	36,680		
	Tube Forms, 10" diameter	LF	31		
	Tube Forms, 20" diameter	LF	251		
	Tube Forms, 24" diameter	LF	151		
	Drilling				
	Drill Depth, 30" diameter	LF	193		
	Drill Depth, 36" diameter	LF	123		
	Drill Depth, 42" diameter	LF	94		
	Drill Depth, 48" diameter	LF	19		
		check	408,475		
	î	î			
Subtotal					
	TOTAL				

	ITEM	UNIT	QUANT	PRICE	AMOUNT
I.	EMBEDS				
	Elevator Pit Sill Angle 4" x 4" x 3/8" w/1/2" x 4" studs @ 24"	LF	16		
	Masonry Bench Seat Wall Angle, 6" x 3-1/2" x 5/16" x 8" long w/(2) 1/2" x 4" studs	LF	65		
	Embed Plate, 5" x 5" x 3/8" w/(2) 1/2" x 6" studs, spaced 24" o.c. (sect 6/S301)	EA	25		
	Embed Wedge Insert w/ 3/4" Askew head bolt, spaced 24" o.c.	EA	1,418		
	Continuous Angle 5" x 5" x 1/8" with 8"	LF	159		
	Cantilever Slab Angle 4" x 4" x 1/4" w/_ " x _ " studs @ _ " (sect 11 and 11a/S305)	LF	252		
	Threaded Rod, 3/4" diameter x 12" long	EA	8		
	Stair Stringer Plate, 1'-6" x 1'-0" x 5/8"	EA	2		
	EP 1, 4" x 8" x 3/8" w/(4) 1/2" x 5" studs (sect 4/S304 kicker support), 2 each spaced 6' o.c.	EA	114		
	EP 1, 4" x 8" x 3/8" w/(4) 1/2" x 5" studs at 6'-0" o.c. (sect 3/S305 & 4/S305 stud support)	EA	79		
	EP 1, 4" x 8" x 3/8" w/(4) 1/2" x 5" studs at 6'-0 o.c. (sect 18/S305 upper masonry support)	EA	48		
	EP 2, 8" x 8" x 3/8" w/(2) 1/2" x 5" studs, coordinate spacing with louver supplier (sect 5/S305 top louver support)	LF	560		
	Assume EP 2, 8" x 8" x 3/8" w/(2) 1/2" x 5" studs, spaced 4'-0" o.c. (sect 3/S304 brick shelf hangar support)	LF	54		
	Assume EP2, 8" x 8" x 3/8" (2) 1/2" x 5" studs, spaced 2'-0" o.c. (sect 18/S305 stud support)	EA	121		
	EP 3, 8" x 24" x 3/8" w/(6) 1/2" x 5" studs, (sect 8a/S201 window truss support)	EA	15		
	EP 3, 8" x 24" x 3/8" w/(6) 1/2" x 5" studs, (sect 15/S305 window truss support)	EA	16		
	EP 4 Continuous, 8" x 3/8" w/ 1/2" x 5" studs @ 8" (sect 12/S304)	LF	414		
	EP 5, 6" x 8" x 3/8" w/(2) 1/2" x 6" studs (window mullions)	EA	34		
	EP 6, 12" x 12" x 3/8" w/(4) 1/2" x 5" studs, (sect 15/S305 cooling tower support)	EA	12		
	W14, 1'-3" x 10" x 1/2" W/(4) 1/2" x 5" studs	EA	4		
	î	î			
Subtotal					
	TOTAL				

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REF	DESCRIPTION	Subgrade Elev.	Top of Footing Elev.	DIMENSIONS			Qty	Volume (CY)	FORM AREAS (SF)			
				Width	Length	Height			Edge Forms (SF)	Straight Forms (SF)	Tube Forms (LF)	Block-Outs
	Phase IIIA Education Building											
	George University											
	Prince George County, Virginia											
	Prepared: 5/25/2007											
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REF	DESCRIPTION	Subgrade Elev.	Top of Footing Elev.	DIMENSIONS				FORM AREAS (SF)				
				Width	Length	Height	Qty	Volume (CY)	Edge Forms (SF)	Straight Forms (SF)	Tube Forms (LF)	Block-Outs
	Drilled Piers DP-1											
	<i>NOTE: According to the notes on S-201, the drilled piers are to be figured with an assumed tip elevation of 93.00', and a minimum length of 5'.</i>			Diameter		Length						
101	DP-1		99.33	2.50		6.33	1	1.15			6.33	
101	DP-1		98.00	2.50		5.00	3	2.73			15.00	
101	DP-1		97.67	2.50		5.00	5	4.55			25.00	
101	DP-1		97.00	2.50		5.00	4	3.64			20.00	
101	DP-1		95.00	2.50		5.00	1	0.91			5.00	
102	DP-1		99.33	2.50		6.33	1	1.15			6.33	
102	DP-1		98.50	2.50		5.50	1	1.00			5.50	
102	DP-1		98.00	2.50		5.00	3	2.73			15.00	
102	DP-1		97.00	2.50		5.00	5	4.55			25.00	
102	DP-1		95.67	2.50		5.00	14	12.73			70.00	
				0.00		0.00	0	0.00			0.00	
	Subtotal =						38	35	0	0	193	0

REF	DESCRIPTION	Subgrade Elev.	Top of Footing Elev.	DIMENSIONS				FORM AREAS (SF)				
				Width	Length	Height	Qty	Volume (CY)	Edge Forms (SF)	Straight Forms (SF)	Tube Forms (LF)	Block-Outs
	Drilled Piers DP-2											
	<i>NOTE: According to the notes on S-201, the drilled piers are to be figured with an assumed tip elevation of 93.00', and a minimum length of 5'.</i>			Diameter		Length						
101	DP-2		99.33	3.00		6.33	4	6.63			25.32	
101	DP-2		98.50	3.00		5.50	2	2.88			11.00	
101	DP-2		98.00	3.00		5.00	5	6.54			25.00	
101	DP-2		97.00	3.00		5.00	5	6.54			25.00	
102	DP-2		99.33	3.00		6.33	1	1.66			6.33	
102	DP-2		97.00	3.00		5.00	5	6.54			25.00	
102	DP-2		96.33	3.00		5.00	1	1.31			5.00	
	Subtotal =							32	0	0	123	0

REF	DESCRIPTION	Subgrade Elev.	Top of Footing Elev.	DIMENSIONS				FORM AREAS (SF)				
				Width	Length	Height	Qty	Volume (CY)	Edge Forms (SF)	Straight Forms (SF)	Tube Forms (LF)	Block-Outs
Drilled Piers DP-3												
	<i>NOTE: According to the notes on S-201, the drilled piers are to be figured with an assumed tip elevation of 93.00', and a minimum length of 5'.</i>			Diameter		Length						
102	DP-3		99.33	3.50		6.33	6	13.53			37.98	
102	DP-3		98.50	3.50		5.50	2	3.92			11.00	
102	DP-3		97.83	3.50		5.00	3	5.35			15.00	
102	DP-3		97.00	3.50		5.00	5	8.91			25.00	
102	DP-3		95.67	3.50		5.00	1	1.78			5.00	
								33	0	0	94	0
Subtotal =												
Drilled Piers DP-4												
	<i>NOTE: According to the notes on S-201, the drilled piers are to be figured with an assumed tip elevation of 93.00', and a minimum length of 5'.</i>			Diameter		Length						
102	DP-4		99.33	4.00		6.33	3	8.84			18.99	
				0.00		5.00	0	0.00			0.00	
								9	0	0	19	0
Subtotal =												

REF	DESCRIPTION	Subgrade Elev.	Top of Footing Elev.	DIMENSIONS				Qty	Volume (CY)	FORM AREAS (SF)			
				Width	Length	Height	Edge Forms (SF)			Straight Forms (SF)	Tube Forms (LF)	Block-Outs	
Spread Footing Alternate													
101	In Lieu of DP-1			4.00	4.00	2.00	14	16.59	448				
102	In Lieu of DP-1			4.00	4.00	2.00	24	28.44	768				
101	In Lieu of DP-2			4.50	4.50	2.00	16	24.00	576				
102	In Lieu of DP-2			4.50	4.50	2.00	7	10.50	252				
102	In Lieu of DP-3			5.50	5.50	2.00	17	38.09	748				
102	In Lieu of DP-4			6.00	6.00	2.00	3	8.00	144				
				0.00	0.00	0.00	0	0.00	0				
Subtotal =								126	2,936	0	0	0	0
Grade Beams													
101	GB-1		99.33	2.00	82.50	1.67	1	10.21	276				
101	GB-1		98.67	2.00	190.00	1.67	1	23.50	635				
102	GB-1		98.67	2.00	267.50	1.67	1	33.09	893				
102	GB-1		98.00	2.00	20.00	1.67	1	2.47	67				
102	GB-1		97.33	2.00	244.00	1.67	1	30.18	815				
				0.00	0.00	0.00	0	0.00	0				
Subtotal =								99	2,685	0	0	0	0

REF	DESCRIPTION	Subgrade Elev.	Top of Footing Elev.	DIMENSIONS				Qty	Volume (CY)	FORM AREAS (SF)			
				Width	Length	Height	Edge Forms (SF)			Straight Forms (SF)	Tube Forms (LF)	Block-Outs	
Strip Footings													
101	Strip Footing			2.00	289.00	1.00	1	21.41	578				
102	Strip Footing			2.00	221.00	1.00	1	16.37	442				
				0.00	0.00	0.00	0	0.00	0				
								38	1,020	0	0	0	0
Spread Footings													
	Landing Support Post Footing			3.00	3.00	1.00	1	0.33	36				
				0.00	0.00	0.00	0	0.00	0				
								0	36	0	0	0	0
Specialty Footings													
101	Loading Dock			3.00	31.67	1.00	1	3.52	63				
102	Bench			2.00	47.00	1.00	3	10.44	294				
102	Bench			2.00	48.50	1.00	1	3.59	101				
101	Screen Wall			4.00	27.67	1.00	1	4.10	55				
				0.00	0.00	0.00	0	0.00	0				
								22	514	0	0	0	0

REF	DESCRIPTION	Subgrade Elev.	Top of Footing Elev.	DIMENSIONS				Qty	Volume (CY)	FORM AREAS (SF)			
				Width	Length	Height	Edge Forms (SF)			Straight Forms (SF)	Tube Forms (LF)	Block-Outs	
	Elevator Pit Walls												
101	Elevator Pit Walls			1.00	30.16	4.00	1	4.47		241.28			
102	Elevator Pit Walls			1.00	34.24	4.00	1	5.07		273.92			
				0.00	0.00	0.00	1	0.00					
	Subtotal =							10	0	515	0	0	0
	Square and Rectangular Columns - First Floor		Pier Top										
101	B-2, B-3, D-2, D-3		99.33	2.00	2.00	14.07	4	8.34		450.24			
102	L-5, M-5		99.33	2.00	2.00	12.72	2	3.77		203.52			
102	P-5, Q-5		99.33	2.00	2.00	13.30	2	3.94		212.80			
102	Q-6		99.33	2.00	2.00	11.34	1	1.68		90.72			
102	BB-8, DD-8, FF-8, HH-4, KK-4		99.33	2.00	2.00	12.71	5	9.41		508.40			
101	D-4		98.50	2.00	2.00	14.90	1	2.21		119.20			
102	N-5		98.50	2.00	2.00	13.55	1	2.01		108.40			
102	R-6		98.50	2.00	2.00	12.17	1	1.80		97.36			
102	BB-7, DD-7, FF-7, HH-7		97.83	0.83	4.00	14.21	4	6.99		549.07			
101	C-5.2		97.00	2.00	2.00	16.40	1	2.43		131.20			
101	C-5.8, E-5.2, E-5.8		97.00	2.00	2.00	13.67	3	6.08		328.08			
101	F-5.4, F-5.6		97.00	0.67	1.00	13.67	2	0.68		91.32			
102	K-6, L-6, R-5		97.00	2.00	2.00	15.63	3	6.95		375.12			
102	M-6, N-6, LL-4, LL-7		97.00	2.00	2.00	15.04	4	8.91		481.28			

REF	DESCRIPTION	Subgrade Elev.	Top of Footing Elev.	DIMENSIONS				Qty	Volume (CY)	FORM AREAS (SF)			
				Width	Length	Height	Edge Forms (SF)			Straight Forms (SF)	Tube Forms (LF)	Block-Outs	
102	P-6		97.00	2.00	2.00	13.08	1	1.94		104.64			
102	S-4.9		97.00	0.67	1.00	13.17	1	0.33		43.99			
102	KK.5-7		96.33	2.00	4.00	14.63	1	4.33		175.56			
102	AAA-U, DDD-V, FFF-W, HHH-Y, JJJ-Z		95.67	1.33	1.83	15.79	5	7.12		498.96			
				0.00	0.00	0.00	0	0.00		0.00			
Subtotal =								79	0	4,570	0	0	
Square and Rectangular Columns - Second Floor													
105	B-2, B-3, D-2, D-3, D-4		114.67	2.00	2.00	13.39	5	9.92		535.60			
105	A-1, A-2, A-3, A-4, B-1, B-4, C-5.2, C-5.8, D-1, E-5.2, E-5.8, F-1, F-2, F-3		114.67	2.00	2.00	13.24	14	27.46		1482.88			
106	K-6, L-6, P-5, P-6, Q-5, Q-6, R-5, R-6		114.67	2.00	2.00	12.62	8	14.96		807.68			
106	L-5		114.67	2.00	2.00	12.04	1	1.78		96.32			
106	M-5, M-6, N-5, N-6		114.08	2.00	2.00	12.63	4	7.48		404.16			
106	AA-7, AA-8, BB-7, BB-8, DD-7, DD-8, FF-7, FF-8, HH-7, HH-4, KK-4, KK.5-7, LL-4, LL-7		114.08	2.00	2.00	12.63	14	26.20		1414.56			
Subtotal =								88	0	4,741	0	0	

REF	DESCRIPTION	Subgrade Elev.	Top of Footing Elev.	DIMENSIONS				Qty	Volume (CY)	FORM AREAS (SF)			
				Width	Length	Height	Edge Forms (SF)			Straight Forms (SF)	Tube Forms (LF)	Block-Outs	
	Square and Rectangular Columns - Third Floor												
107	A-1, A-4, B-1, B-4, D-1, D-4, F-1		129.33	2.00	2.00	12.73	7	13.20		712.88			
107	A-2, B-2, D-2, F-2		129.33	2.00	2.00	13.23	4	7.84		423.36			
107	A-3, B-3, D-3, F-3		129.33	2.00	2.00	13.15	4	7.79		420.80			
107	C-5.2, C-5.8, E-5.2, E-5.8		129.33	2.00	2.00	13.34	4	7.91		426.88			
	Subtotal =							37	0	1,984	0	0	0
	Square and Rectangular Columns - Main Roof												
	C-5.2, C-5.8, E-5.2, E-5.8		144.21	2.00	2.00	11.71	4	6.94		374.72			
	K-6, L-5, L-6, M-5, M-6, N-5, N-6		144.21	2.00	2.00	12.12	7	12.57		678.72			
	P-5, P-6, Q-5, Q-6, R-5, R-6		144.21	2.00	2.00	12.96	6	11.52		622.08			
	Column Line "R"		144.50	0.83	2.00	14.00	2	1.72		158.48			
				0.00	0.00	0.00	0	0.00					
	Subtotal =							33	0	1,834	0	0	0

REF	DESCRIPTION	Subgrade Elev.	Top of Footing Elev.	DIMENSIONS			Qty	Volume (CY)	FORM AREAS (SF)			
				Width	Length	Height			Edge Forms (SF)	Straight Forms (SF)	Tube Forms (LF)	Block-Outs
Circular Columns - First Floor												
101	G-5.2		99.33	1.67	0.00	15.34	1	1.24			15.34	
102	H, 5.2		99.33	1.67	0.00	14.59	1	1.18			14.59	
101	B-4		98.50	2.00	0.00	14.59	1	1.70			14.59	
102	AA-7		98.50	1.67	0.00	13.05	1	1.06			13.05	
101	A-1, A-2, A-3, A-4, B-1, D-1, F-1, F-2		98.00	2.00	0.00	15.09	8	14.05			120.72	
102	T-5.3, T-6		98.00	0.83	0.00	15.67	2	0.63			31.34	
101	F-3		97.00	2.00	0.00	16.09	1	1.87			16.09	
102	J-5.2, J-5.8, AA-8		97.00	1.67	0.00	15.63	3	3.80			46.89	
				0.00	0.00	0.00	0	0.00				
Subtotal =								26	0	0	273	0
Circular Columns - Second Floor												
105	G5.2		114.67	1.67	0.00	14.66	1	1.19			14.66	
106	H-5.2, J-5.2, J-5.8		114.67	1.67	0.00	12.62	3	3.07			37.86	
				0.00	0.00	0.00	0	0.00			0.00	
Subtotal =								4	0	0	53	0

REF	DESCRIPTION	Subgrade Elev.	Top of Footing Elev.	DIMENSIONS				Qty	Volume (CY)	FORM AREAS (SF)			
				Width	Length	Height	Edge Forms (SF)			Straight Forms (SF)	Tube Forms (LF)	Block-Outs	
Circular Columns - Third Floor													
107	G-5.2, H-5.2, J-5.2, J-5.8		129.33	1.67	0.00	12.84	4	4.17			51.36		
				0.00	0.00	0.00	1	0.00					
Subtotal =								4	0	0	51	0	0
Circular Columns - Main Roof													
107	G-5.2, H-5.2, J-5.2, J-5.8		144.21	1.67	0.00	14.32	4	4.65			57.28		
				0.00	0.00	0.00	1	0.00					
Subtotal =								5	0	0	57	0	0
Stairwell Walls													
	First Floor South		99.33	0.67	82.50	14.59	1	29.87		2407.35			
	First Floor North		99.33	0.67	36.06	14.59	1	13.06		1052.23			
	Second Floor South		114.67	0.67	82.50	13.91	1	28.48		2295.15			
	Second Floor North		114.67	0.67	36.06	13.91	1	12.45		1003.19			
	Third Floor South		129.33	0.67	52.33	14.13	1	18.35		1478.85			
	Third Floor North		129.33	0.67	33.67	14.13	1	11.81		951.51			
	Main Roof North		144.21	0.67	13.00	14.87	1	4.80		386.62			
				0.00	0.00	0.00	1	0.00					
Subtotal =								119	0	9,575	0	0	0

REF	DESCRIPTION	Subgrade Elev.	Top of Footing Elev.	DIMENSIONS				Qty	Volume (CY)	FORM AREAS (SF)			
				Width	Length	Height	Edge Forms (SF)			Straight Forms (SF)	Tube Forms (LF)	Block-Outs	
	Stair Landings									Supported Form			
	Stair #1 - Intermediate Landing between floors 1 & 2			8.00	9.67	0.67	1	1.92		77.36			
	Stair #1 - Intermediate Landing between floors 2 & 3			4.75	9.67	0.67	1	1.14		45.93			
	Stair #1 - Landing at floor 2			9.92	9.67	0.67	1	3.03		122.05			
	Stair #1 - Landing at floor 3			10.92	9.67	0.67	1	2.62		105.60			
	Stair #2 - Landings at floors			10.25	11.17	0.67	2	5.68		228.99			
	Stair #2 - Intermediate Landings			5.83	11.17	0.67	3	4.85		195.36			
	Stair #4 - Landing at floor 1			6.75	11.00	0.67	1	1.84		74.25			
	Stair #4 - Intermediate Landings at floor 1			5.67	5.17	0.67	1	0.73		29.31			
	Stair #4 - Landings at floors 2, 3 & 4			11.00	12.00	0.67	3	9.83		396.00			
	Stair #4 - Intermediate Landings at floors 2, 3 & 4			6.00	11.00	0.67	3	4.91		198.00			
				0.00	0.00	0.00	1	0.00					
	Subtotal =							37	0	1,473	0	0	
	GRAND TOTALS =							834	7,191	24,692	863	0	

Plan Sheet	DESCRIPTION	INPUT INFORMATION				CONCRETE				FORMS				JOINTS			
		L (FT)	W (FT)	H (FT)	Qty (EA)	Top Surface Area (SF)	Total Concrete Volume (CY)	Stone Base/Grade Prep (SF)	Vapor Barrier (SF)	Edge Forms (footings) (SF)	Block outs (SF)	Float Finish (SF)	Trowel Finish (SF)	Cure (SF)	1/2" Premold Filler (SF)	Constr Joint (LF)	1/8" x 1" Control Joint (LF)
<p>This takeoff has been prepared by Walsh Estimating Service, a division of Maracorp International:</p> <p>Although we have been careful to assure that all items are correct, we make no guarantee beyond the cost of our work. The contractor has the final responsibility for completeness and accuracy in the preparation of his bid.</p> <p>By acceptance of this takeoff, the purchaser agrees to the following statement:</p> <p>"I do hereby release and hold harmless Walsh Estimating Service, Maracorp International, Ed Walsh, and his employees from any and all errors and omissions beyond the invoiced value of services rendered."</p>																	
	NOTES:																
	1. Specifications have not been reviewed.																
SLABS ON GRADE																	
S-101	Floor Slab			0.33		8,090	98.88	8,090	8,090				8,090	8,090	490	7	1,011
S-101	6" Slab Depression					0	0.00			14				14			
S-101	Floor Slab			0.33		1,370	16.74						1,370	1,370	130		
S-101	Stair Stringer Thickened Slab	3.00	3.00	1.00	2	18	0.67	18	18				18	18			
S-102	Floor Slab T.O.S.= 100.0			0.33		16,510	201.79	16,510	16,510				16,510	16,510	530	150	2,064
S-102	Floor Slab T.O.S.= 98.5			0.33		3,855	47.12	3,855	3,855				3,855	3,855	225		482
S-102	Floor Slabs in Sloped Corridors			0.33		40	0.49	40	40				40	40			
S-102	Sloped Slabs			0.33		3,535	43.21	3,535	3,535				3,535	3,535	635		442
	Subtotals					33,418	409	32,048	32,048	14	0	0	33,418	33,432	2,010	157	3,999
	Item:																
S-101	Elevator Slab	11.33	8.75	1.00	1	99	3.67	99	99	40.16	1	99.14		140			
S-102	Elevator Slab	11.33	10.79	1.00	1	122	4.53	122	122	44.24	1	122.25		167			
	Subtotals					221	8	221	221	84	2	221	0	308	0	0	0
	TOTALS					33,639	417	32,269	32,269	99	2	221	33,418	33,740	2,010	157	3,999