

Luhrs Marriott			2018 ASC COMPETITION								
ENTER SCHOOL NAME			PART A								
PARAMETER / ITEM OF WORK	QUANTITY	UNIT	LABOR		MATERIAL		EQUIPMENT/OTHER		CUMULATIVE		
			\$/UNIT	SUBTOTAL	WASTE FACTORS	\$/UNIT	SUBTOTAL	\$/UNIT	SUBTOTAL	TOTAL	
Basement											
Foundation Walls (Exterior & Interior Walls)											
Form Foundation Walls	19,402	sf	\$ 8.00	\$ 155,216	0%	\$ 2.10	\$ 40,744	\$ 0.50	\$ 9,701	\$ 205,661	
Place Foundation Walls	520	cy	\$ 19.00	\$ 9,880	5%	\$ 98.50	\$ 53,781	\$ 16.00	\$ 8,320	\$ 71,981	
Matt Slab											
Matt Slab Edge Form	-	lf	\$ 5.84	\$ -	0%	\$ 0.60	\$ -	\$ -	\$ -	\$ -	
Place Matt Slab	2,908	cy	\$ 18.00	\$ 52,348	5%	\$ 77.00	\$ 235,130	\$ 16.00	\$ 46,532	\$ 334,009	
Machine Trowel Finish Matt Slab	13,087	sf	\$ 0.56	\$ 7,329	0%	\$ -	\$ -	\$ -	\$ -	\$ 7,329	
Columns											
Form interior columns	2,885	sf	\$ 8.00	\$ 23,080	0%	\$ 2.10	\$ 6,059	\$ -	\$ -	\$ 29,139	
Place interior columns	61	cy	\$ 19.00	\$ 1,159	5%	\$ 98.50	\$ 6,309	\$ 16.00	\$ 976	\$ 8,444	
Total for Basement	3,489	cy		\$ 249,012			\$ 342,022		\$ 65,529	\$ 656,562	
Level 1											
Elevated Slab Deck											
Form Elevated Deck	12,104	sf	\$ 5.09	\$ 61,609	0%	\$ 2.10	\$ 25,418	\$ 0.50	\$ 6,052	\$ 93,080	
Edge Form & Blockouts	1,053	lf	\$ 5.75	\$ 6,055	0%	\$ 0.60	\$ 632	\$ -	\$ -	\$ 6,687	
Place 10" Elevated Deck	327	cy	\$ 19.00	\$ 6,213	5%	\$ 80.50	\$ 27,640	\$ 16.00	\$ 5,232	\$ 39,085	
Place 8" Elevated Deck	50	cy	\$ 19.00	\$ 950	5%	\$ 80.50	\$ 4,226	\$ 16.00	\$ 800	\$ 5,976	
Finish Elevated Deck	12,104	sf	\$ 0.45	\$ 5,447	0%	\$ -	\$ -	\$ -	\$ -	\$ 5,447	
Walls and Columns											
Form walls	6,337	sf	\$ 8.00	\$ 50,696	0%	\$ 2.10	\$ 13,308	\$ 0.50	\$ 3,169	\$ 67,172	
Place walls	313	cy	\$ 19.00	\$ 5,947	5%	\$ 98.50	\$ 32,372	\$ 16.00	\$ 5,008	\$ 43,327	
Form interior columns	2,715	sf	\$ 8.00	\$ 21,720	0%	\$ 2.10	\$ 5,702	\$ -	\$ -	\$ 27,422	
Place interior columns	57	cy	\$ 19.00	\$ 1,083	5%	\$ 98.50	\$ 5,895	\$ 16.00	\$ 912	\$ 7,890	
Total for Level 1	747	cy		\$ 159,720			\$ 115,193		\$ 21,173	\$ 296,085	
Level 2											
Walls and Columns											
Form walls	5,283	sf	\$ 6.80	\$ 35,924	0%	\$ 2.10	\$ 11,094	\$ 0.50	\$ 2,642	\$ 49,660	
Place walls	129	cy	\$ 19.00	\$ 2,451	5%	\$ 98.50	\$ 13,342	\$ 16.00	\$ 2,064	\$ 17,857	
Form interior columns	2,216	sf	\$ 6.80	\$ 15,069	0%	\$ 2.10	\$ 4,654	\$ -	\$ -	\$ 19,722	
Place interior columns	47	cy	\$ 19.00	\$ 893	5%	\$ 98.50	\$ 4,861	\$ 16.00	\$ 752	\$ 6,506	
Elevated Slab Deck											
Form Elevated Deck	8,356	sf	\$ 5.09	\$ 42,532	0%	\$ 2.10	\$ 17,548	\$ 0.50	\$ 4,178	\$ 64,258	
Edge Form & Blockouts	783	lf	\$ 5.75	\$ 4,502	0%	\$ 0.60	\$ 470	\$ -	\$ -	\$ 4,972	
Place 10" Elevated Deck	214	cy	\$ 19.00	\$ 4,066	5%	\$ 80.50	\$ 18,088	\$ 16.00	\$ 3,424	\$ 25,578	
Place 8" Elevated Deck	36	cy	\$ 19.00	\$ 684	5%	\$ 80.50	\$ 3,043	\$ 16.00	\$ 576	\$ 4,303	
Finish Elevated Deck	8,356	sf	\$ 0.45	\$ 3,760	0%	\$ -	\$ -	\$ -	\$ -	\$ 3,760	
Equipment Pads											
Form equipment pads (Edge Form)	217	lf	\$ 5.75	\$ 1,248	0%	\$ 0.60	\$ 130	\$ -	\$ -	\$ 1,378	
Place equipment pads	7	cy	\$ 23.00	\$ 161	5%	\$ 77.00	\$ 566	\$ 16.00	\$ 112	\$ 839	
Hand Trowel Finish equipment pads	542	sf	\$ 0.60	\$ 325	0%	\$ -	\$ -	\$ -	\$ -	\$ 325	
Total for Level 2	433	cy		\$ 111,616			\$ 73,796		\$ 13,748	\$ 199,159	
Level 3											
Walls, Columns, and Beams											
Form walls	6,661	sf	\$ 8.00	\$ 53,288	0%	\$ 2.10	\$ 13,988	\$ 0.50	\$ 3,331	\$ 70,607	
Place walls	165	cy	\$ 19.00	\$ 3,135	5%	\$ 98.50	\$ 17,065	\$ 16.00	\$ 2,640	\$ 22,840	
Form interior columns	2,839	sf	\$ 8.00	\$ 22,712	0%	\$ 2.10	\$ 5,962	\$ -	\$ -	\$ 28,674	
Place interior columns	59	cy	\$ 19.00	\$ 1,121	5%	\$ 98.50	\$ 6,102	\$ 16.00	\$ 944	\$ 8,167	
Form interior beams	209	sf	\$ 8.00	\$ 1,672	0%	\$ 2.10	\$ 439	\$ 0.50	\$ 105	\$ 2,215	
Place interior beams	4	cy	\$ 19.00	\$ 76	5%	\$ 98.50	\$ 414	\$ 16.00	\$ 64	\$ 554	
Elevated Slab Deck											
Form Elevated Deck	11,701	sf	\$ 5.09	\$ 59,558	0%	\$ 2.10	\$ 24,572	\$ 0.50	\$ 5,851	\$ 89,981	
Form High Bay Shoring in Lobby	3,519	sf	\$ 7.25	\$ 25,513	0%	\$ 2.35	\$ 8,270	\$ 1.80	\$ 6,334	\$ 40,117	
Edge Form & Blockouts	868	lf	\$ 5.75	\$ 4,991	0%	\$ 0.60	\$ 521	\$ -	\$ -	\$ 5,512	
Place 10" Elevated Deck	361	cy	\$ 19.00	\$ 6,859	5%	\$ 80.50	\$ 30,514	\$ 16.00	\$ 5,776	\$ 43,149	
Place 8" Elevated Deck	-	cy	\$ 19.00	\$ -	5%	\$ 80.50	\$ -	\$ 16.00	\$ -	\$ -	
Finish Elevated Deck	11,701	sf	\$ 0.45	\$ 5,265	0%	\$ -	\$ -	\$ -	\$ -	\$ 5,265	
Total for Level 3	589	cy		\$ 184,190			\$ 107,846		\$ 25,044	\$ 317,080	

PART A										
PARAMETER / ITEM OF WORK	QUANTITY	UNIT	LABOR		WASTE FACTORS	MATERIAL		EQUIPMENT/OTHER		CUMULATIVE
			\$/UNIT	SUBTOTAL		\$/UNIT	SUBTOTAL	\$/UNIT	SUBTOTAL	TOTAL
Level 4										
Walls, Columns, and Beams										
Form walls	5,590	sf	\$ 6.80	\$ 38,012	0%	\$ 2.10	\$ 11,739	\$ 0.50	\$ 2,795	\$ 52,546
Place walls	138	cy	\$ 19.00	\$ 2,622	5%	\$ 98.50	\$ 14,273	\$ 16.00	\$ 2,208	\$ 19,103
Form interior columns	2,376	sf	\$ 6.80	\$ 16,157	0%	\$ 2.10	\$ 4,990	\$ -	\$ -	\$ 21,146
Place interior columns	48	cy	\$ 19.00	\$ 912	5%	\$ 98.50	\$ 4,964	\$ 16.00	\$ 768	\$ 6,644
Form interior beams	2,402	sf	\$ 8.00	\$ 19,216	0%	\$ 2.10	\$ 5,044	\$ 0.50	\$ 1,201	\$ 25,461
Place interior beams	105	cy	\$ 19.00	\$ 1,995	5%	\$ 98.50	\$ 10,860	\$ 16.00	\$ 1,680	\$ 14,535
Elevated Slab Deck										
Form Elevated Deck	13,311	sf	\$ 5.09	\$ 67,753	0%	\$ 1.00	\$ 13,311	\$ 0.50	\$ 6,656	\$ 87,719
Edge Form & Blockouts	1,015	lf	\$ 5.75	\$ 5,836	0%	\$ 0.60	\$ 609	\$ -	\$ -	\$ 6,445
Place 10" Elevated Deck	332	cy	\$ 23.00	\$ 7,636	5%	\$ 80.50	\$ 28,062	\$ 16.00	\$ 5,312	\$ 41,010
Place 9" Pool Slab	20	cy	\$ 23.00	\$ 460	5%	\$ 80.50	\$ 1,691	\$ 16.00	\$ 320	\$ 2,471
Place 6" Elevated Slab	34	cy	\$ 23.00	\$ 782	5%	\$ 80.50	\$ 2,874	\$ 17.00	\$ 578	\$ 4,234
Finish Elevated Deck	13,311	sf	\$ 0.45	\$ 5,990	0%	\$ -	\$ -	\$ -	\$ -	\$ 5,990
Total for Level 4	677	cy		\$ 167,371			\$ 98,416		\$ 21,518	\$ 287,305
Level 5										
Walls, Columns, and Beams										
Form walls	3,828	sf	\$ 6.80	\$ 26,030	0%	\$ 2.10	\$ 8,039	\$ 0.50	\$ 1,914	\$ 35,983
Place walls	61	cy	\$ 19.00	\$ 1,159	5%	\$ 98.50	\$ 6,309	\$ 16.00	\$ 976	\$ 8,444
Form interior columns	1,158	sf	\$ 6.80	\$ 7,874	0%	\$ 2.10	\$ 2,432	\$ -	\$ -	\$ 10,306
Place interior columns	22	cy	\$ 19.00	\$ 418	5%	\$ 98.50	\$ 2,275	\$ 16.00	\$ 352	\$ 3,045
Form interior beams	1,636	sf	\$ 8.00	\$ 13,088	0%	\$ 2.10	\$ 3,436	\$ 0.50	\$ 818	\$ 17,342
Place interior beams	100	cy	\$ 19.00	\$ 1,900	5%	\$ 98.50	\$ 10,343	\$ 16.00	\$ 1,600	\$ 13,843
Elevated Slab Deck										
Form Elevated Deck	12,221	sf	\$ 5.09	\$ 62,205	0%	\$ 1.00	\$ 12,221	\$ 0.50	\$ 6,111	\$ 80,536
Edge Form & Blockouts	707	lf	\$ 5.75	\$ 4,065	0%	\$ 0.60	\$ 424	\$ -	\$ -	\$ 4,489
Place Elevated Deck	302	cy	\$ 23.00	\$ 6,946	5%	\$ 80.50	\$ 25,527	\$ 16.00	\$ 4,832	\$ 37,305
Finish Elevated Deck	12,221	sf	\$ 0.45	\$ 5,499	0%	\$ -	\$ -	\$ -	\$ -	\$ 5,499
Total for Level 5	485	cy		\$ 129,185			\$ 71,005		\$ 16,603	\$ 216,793
Level 6										
Walls, Columns, and Beams										
Form walls	3,546	sf	\$ 6.80	\$ 24,113	0%	\$ 2.10	\$ 7,447	\$ 0.50	\$ 1,773	\$ 33,332
Place walls	29	cy	\$ 19.00	\$ 551	5%	\$ 98.50	\$ 2,999	\$ 16.00	\$ 464	\$ 4,014
Form interior columns	1,158	sf	\$ 6.80	\$ 7,874	0%	\$ 2.10	\$ 2,432	\$ -	\$ -	\$ 10,306
Place interior columns	22	cy	\$ 19.00	\$ 418	5%	\$ 98.50	\$ 2,275	\$ 16.00	\$ 352	\$ 3,045
Form interior beams	-	sf	\$ 6.80	\$ -	0%	\$ 2.10	\$ -	\$ 0.50	\$ -	\$ -
Place interior beams	-	cy	\$ 19.00	\$ -	5%	\$ 98.50	\$ -	\$ 16.00	\$ -	\$ -
Elevated Slab Deck										
Form Elevated Deck	11,415	sf	\$ 5.09	\$ 58,102	0%	\$ 1.00	\$ 11,415	\$ 0.50	\$ 5,708	\$ 75,225
Edge Form & Blockouts	735	lf	\$ 5.75	\$ 4,226	0%	\$ 0.60	\$ 441	\$ -	\$ -	\$ 4,667
Place Elevated Deck	282	cy	\$ 23.00	\$ 6,486	5%	\$ 80.50	\$ 23,836	\$ 16.00	\$ 4,512	\$ 34,834
Finish Elevated Deck	11,415	sf	\$ 0.45	\$ 5,137	0%	\$ -	\$ -	\$ -	\$ -	\$ 5,137
Total for Level 6	333	cy		\$ 106,908			\$ 50,845		\$ 12,809	\$ 170,561
Level 7										
Walls, Columns, and Beams										
Form walls	3,546	sf	\$ 6.80	\$ 24,113	0%	\$ 2.10	\$ 7,447	\$ 0.50	\$ 1,773	\$ 33,332
Place walls	29	cy	\$ 19.00	\$ 551	5%	\$ 98.50	\$ 2,999	\$ 16.00	\$ 464	\$ 4,014
Form interior columns	1,158	sf	\$ 6.80	\$ 7,874	0%	\$ 2.10	\$ 2,432	\$ -	\$ -	\$ 10,306
Place interior columns	22	cy	\$ 19.00	\$ 418	5%	\$ 98.50	\$ 2,275	\$ 16.00	\$ 352	\$ 3,045
Form interior beams	-	sf	\$ 6.80	\$ -	0%	\$ 2.10	\$ -	\$ 0.50	\$ -	\$ -
Place interior beams	-	cy	\$ 19.00	\$ -	5%	\$ 98.50	\$ -	\$ 16.00	\$ -	\$ -
Elevated Slab Deck										
Form Elevated Deck	11,415	sf	\$ 5.09	\$ 58,102	0%	\$ 1.00	\$ 11,415	\$ 0.50	\$ 5,708	\$ 75,225
Edge Form & Blockouts	735	lf	\$ 5.75	\$ 4,226	0%	\$ 0.60	\$ 441	\$ -	\$ -	\$ 4,667
Place Elevated Deck	282	cy	\$ 23.00	\$ 6,486	5%	\$ 80.50	\$ 23,836	\$ 16.00	\$ 4,512	\$ 34,834
Finish Elevated Deck	11,415	sf	\$ 0.45	\$ 5,137	0%	\$ -	\$ -	\$ -	\$ -	\$ 5,137
Total for Level 7	333	cy		\$ 106,908			\$ 50,845		\$ 12,809	\$ 170,561
Level 8										
Walls, Columns, and Beams										
Form walls	3,546	sf	\$ 6.80	\$ 24,113	0%	\$ 2.10	\$ 7,447	\$ 0.50	\$ 1,773	\$ 25,886
Place walls	29	cy	\$ 19.00	\$ 551	5%	\$ 98.50	\$ 2,999	\$ 16.00	\$ 464	\$ 1,015
Form interior columns	1,158	sf	\$ 6.80	\$ 7,874	0%	\$ 2.10	\$ 2,432	\$ -	\$ -	\$ 7,874
Place interior columns	22	cy	\$ 19.00	\$ 418	5%	\$ 98.50	\$ 2,275	\$ 16.00	\$ 352	\$ 770
Form interior beams	-	sf	\$ 6.80	\$ -	0%	\$ 2.10	\$ -	\$ 0.50	\$ -	\$ -
Place interior beams	-	cy	\$ 19.00	\$ -	5%	\$ 98.50	\$ -	\$ 16.00	\$ -	\$ -
Elevated Slab Deck										
Form Elevated Deck	11,415	sf	\$ 5.09	\$ 58,102	0%	\$ 1.00	\$ 11,415	\$ 0.50	\$ 5,708	\$ 75,225
Edge Form & Blockouts	735	lf	\$ 5.75	\$ 4,226	0%	\$ 0.60	\$ 441	\$ -	\$ -	\$ 4,667
Place Elevated Deck	282	cy	\$ 23.00	\$ 6,486	5%	\$ 80.50	\$ 23,836	\$ 16.00	\$ 4,512	\$ 34,834

PARAMETER / ITEM OF WORK	PART A									
	QUANTITY	UNIT	LABOR		WASTE FACTORS	MATERIAL		EQUIPMENT/OTHER		CUMULATIVE
			\$/UNIT	SUBTOTAL		\$/UNIT	SUBTOTAL	\$/UNIT	SUBTOTAL	TOTAL
Finish Elevated Deck	11,415	sf	\$ 0.45	\$ 5,137	0%	\$ -	\$ -	\$ -	\$ -	\$ 5,137
Total for Level 8	333	cy		\$ 106,908			\$ 35,692		\$ 12,809	\$ 155,408
Level 9										
Walls, Columns, and Beams										
Form walls	3,546	sf	\$ 6.80	\$ 24,113	0%	\$ 2.10	\$ 7,447	\$ 0.50	\$ 1,773	\$ 33,332
Place walls	29	cy	\$ 19.00	\$ 551	5%	\$ 98.50	\$ 2,999	\$ 16.00	\$ 464	\$ 4,014
Form interior columns	1,158	sf	\$ 6.80	\$ 7,874	0%	\$ 2.10	\$ 2,432	\$ -	\$ -	\$ 10,306
Place interior columns	22	cy	\$ 19.00	\$ 418	5%	\$ 98.50	\$ 2,275	\$ 16.00	\$ 352	\$ 3,045
Form interior beams	-	sf	\$ 6.80	\$ -	0%	\$ 2.10	\$ -	\$ 0.50	\$ -	\$ -
Place interior beams	-	cy	\$ 19.00	\$ -	5%	\$ 98.50	\$ -	\$ 16.00	\$ -	\$ -
Elevated Slab Deck										
Form Elevated Deck	11,415	sf	\$ 5.09	\$ 58,102	0%	\$ 1.00	\$ 11,415	\$ 0.50	\$ 5,708	\$ 75,225
Edge Form & Blockouts	735	lf	\$ 5.75	\$ 4,226	0%	\$ 0.60	\$ 441	\$ -	\$ -	\$ 4,667
Place Elevated Deck	282	cy	\$ 23.00	\$ 6,486	5%	\$ 80.50	\$ 23,836	\$ 16.00	\$ 4,512	\$ 34,834
Finish Elevated Deck	11,415	sf	\$ 0.45	\$ 5,137	0%	\$ -	\$ -	\$ -	\$ -	\$ 5,137
Total for Level 9	333	cy		\$ 106,908			\$ 50,845		\$ 12,809	\$ 170,561
Level 10										
Walls, Columns, and Beams										
Form walls	3,558	sf	\$ 6.80	\$ 24,194	0%	\$ 2.10	\$ 7,472	\$ 0.50	\$ 1,779	\$ 33,445
Place walls	58	cy	\$ 19.00	\$ 1,102	5%	\$ 98.50	\$ 5,999	\$ 16.00	\$ 928	\$ 8,029
Form interior columns	870	sf	\$ 6.80	\$ 5,916	0%	\$ 2.10	\$ 1,827	\$ -	\$ -	\$ 7,743
Place interior columns	16	cy	\$ 19.00	\$ 304	5%	\$ 98.50	\$ 1,655	\$ 16.00	\$ 256	\$ 2,215
Form interior beams	2,241	sf	\$ 6.80	\$ 15,239	0%	\$ 2.10	\$ 4,706	\$ 0.50	\$ 1,121	\$ 21,065
Place interior beams	89	cy	\$ 19.00	\$ 1,691	5%	\$ 98.50	\$ 9,205	\$ 16.00	\$ 1,424	\$ 12,320
Elevated Slab Deck										
Form Elevated Deck	11,401	sf	\$ 5.09	\$ 58,031	0%	\$ 1.00	\$ 11,401	\$ 0.50	\$ 5,701	\$ 75,133
Edge Form & Blockouts	735	lf	\$ 5.75	\$ 4,226	0%	\$ 0.60	\$ 441	\$ -	\$ -	\$ 4,667
Place Elevated Deck	282	cy	\$ 23.00	\$ 6,486	5%	\$ 80.50	\$ 23,836	\$ 16.00	\$ 4,512	\$ 34,834
Finish Elevated Deck	11,401	sf	\$ 0.45	\$ 5,130	0%	\$ -	\$ -	\$ -	\$ -	\$ 5,130
Total for Level 10	445	cy		\$ 122,320			\$ 66,541		\$ 15,720	\$ 204,581
Level 11										
Walls, Columns, and Beams										
Form walls	3,588	sf	\$ 6.80	\$ 24,398	0%	\$ 2.10	\$ 7,535	\$ 0.50	\$ 1,794	\$ 33,727
Place walls	58	cy	\$ 19.00	\$ 1,102	5%	\$ 98.50	\$ 5,999	\$ 16.00	\$ 928	\$ 8,029
Form interior columns	870	sf	\$ 6.80	\$ 5,916	0%	\$ 2.10	\$ 1,827	\$ -	\$ -	\$ 7,743
Place interior columns	16	cy	\$ 19.00	\$ 304	5%	\$ 98.50	\$ 1,655	\$ 16.00	\$ 256	\$ 2,215
Form interior beams	-	sf	\$ 6.80	\$ -	0%	\$ 2.10	\$ -	\$ 0.50	\$ -	\$ -
Place interior beams	-	cy	\$ 19.00	\$ -	5%	\$ 98.50	\$ -	\$ 16.00	\$ -	\$ -
Elevated Slab Deck										
Form Elevated Deck	11,341	sf	\$ 5.09	\$ 57,726	0%	\$ 1.00	\$ 11,341	\$ 0.50	\$ 5,671	\$ 74,737
Edge Form & Blockouts	710	lf	\$ 5.75	\$ 4,083	0%	\$ 0.60	\$ 426	\$ -	\$ -	\$ 4,509
Place Elevated Deck	280	cy	\$ 23.00	\$ 6,440	5%	\$ 80.50	\$ 23,667	\$ 16.00	\$ 4,480	\$ 34,587
Finish Elevated Deck	11,341	sf	\$ 0.45	\$ 5,103	0%	\$ -	\$ -	\$ -	\$ -	\$ 5,103
Total for Level 11	354	cy		\$ 105,072			\$ 52,449		\$ 13,129	\$ 170,650
Level 12										
Walls, Columns, and Beams										
Form walls	3,588	sf	\$ 6.80	\$ 24,398	0%	\$ 2.10	\$ 7,535	\$ 0.50	\$ 1,794	\$ 33,727
Place walls	58	cy	\$ 19.00	\$ 1,102	5%	\$ 98.50	\$ 5,999	\$ 16.00	\$ 928	\$ 8,029
Form interior columns	870	sf	\$ 6.80	\$ 5,916	0%	\$ 2.10	\$ 1,827	\$ -	\$ -	\$ 7,743
Place interior columns	16	cy	\$ 19.00	\$ 304	5%	\$ 98.50	\$ 1,655	\$ 16.00	\$ 256	\$ 2,215
Form interior beams	-	sf	\$ 6.80	\$ -	0%	\$ 2.10	\$ -	\$ 0.50	\$ -	\$ -
Place interior beams	-	cy	\$ 19.00	\$ -	5%	\$ 98.50	\$ -	\$ 16.00	\$ -	\$ -
Elevated Slab Deck										
Form Elevated Deck	11,341	sf	\$ 5.09	\$ 57,726	0%	\$ 1.00	\$ 11,341	\$ 0.50	\$ 5,671	\$ 74,737
Edge Form & Blockouts	710	lf	\$ 5.75	\$ 4,083	0%	\$ 0.60	\$ 426	\$ -	\$ -	\$ 4,509
Place Elevated Deck	280	cy	\$ 23.00	\$ 6,440	5%	\$ 80.50	\$ 23,667	\$ 16.00	\$ 4,480	\$ 34,587
Finish Elevated Deck	11,341	sf	\$ 0.45	\$ 5,103	0%	\$ -	\$ -	\$ -	\$ -	\$ 5,103
Total for Level 12	354	cy		\$ 105,072			\$ 52,449		\$ 13,129	\$ 170,650
Level 13										
Walls, Columns, and Beams										
Form walls	3,588	sf	\$ 6.80	\$ 24,398	0%	\$ 2.10	\$ 7,535	\$ 0.50	\$ 1,794	\$ 33,727
Place walls	58	cy	\$ 19.00	\$ 1,102	5%	\$ 98.50	\$ 5,999	\$ 16.00	\$ 928	\$ 8,029
Form interior columns	870	sf	\$ 6.80	\$ 5,916	0%	\$ 2.10	\$ 1,827	\$ -	\$ -	\$ 7,743
Place interior columns	16	cy	\$ 19.00	\$ 304	5%	\$ 98.50	\$ 1,655	\$ 16.00	\$ 256	\$ 2,215
Form interior beams	-	sf	\$ 6.80	\$ -	0%	\$ 2.10	\$ -	\$ 0.50	\$ -	\$ -
Place interior beams	-	cy	\$ 19.00	\$ -	5%	\$ 98.50	\$ -	\$ 16.00	\$ -	\$ -
Elevated Slab Deck										
Form Elevated Deck	11,341	sf	\$ 5.09	\$ 57,726	0%	\$ 1.00	\$ 11,341	\$ 0.50	\$ 5,671	\$ 74,737
Edge Form & Blockouts	710	lf	\$ 5.75	\$ 4,083	0%	\$ 0.60	\$ 426	\$ -	\$ -	\$ 4,509
Place Elevated Deck	280	cy	\$ 23.00	\$ 6,440	5%	\$ 80.50	\$ 23,667	\$ 16.00	\$ 4,480	\$ 34,587
Finish Elevated Deck	11,341	sf	\$ 0.45	\$ 5,103	0%	\$ -	\$ -	\$ -	\$ -	\$ 5,103
Total for Level 13	354	cy		\$ 105,072			\$ 52,449		\$ 13,129	\$ 170,650

Luhrs Marriott

ENTER SCHOOL NAME

2018 ASC COMPETITION

PART A										
PARAMETER / ITEM OF WORK	QUANTITY	UNIT	LABOR		WASTE FACTORS	MATERIAL		EQUIPMENT/OTHER		CUMULATIVE
			\$/UNIT	SUBTOTAL		\$/UNIT	SUBTOTAL	\$/UNIT	SUBTOTAL	TOTAL
Form walls	3,588	sf	\$ 6.80	\$ 24,398	0%	\$ 2.10	\$ 7,535	\$ 0.50	\$ 1,794	\$ 33,727
Place walls	58	cy	\$ 19.00	\$ 1,102	5%	\$ 98.50	\$ 5,999	\$ 16.00	\$ 928	\$ 8,029
Form interior columns	870	sf	\$ 6.80	\$ 5,916	0%	\$ 2.10	\$ 1,827	\$ -	\$ -	\$ 7,743
Place interior columns	16	cy	\$ 19.00	\$ 304	5%	\$ 98.50	\$ 1,655	\$ 16.00	\$ 266	\$ 2,215
Form interior beams	-	sf	\$ 6.80	\$ -	0%	\$ 2.10	\$ -	\$ 0.50	\$ -	\$ -
Place interior beams	-	cy	\$ 19.00	\$ -	5%	\$ 98.50	\$ -	\$ 16.00	\$ -	\$ -
Elevated Slab Deck										
Form Elevated Deck	11,265	sf	\$ 5.09	\$ 57,339	0%	\$ 1.00	\$ 11,265	\$ 0.50	\$ 5,633	\$ 74,236
Edge Form & Blockouts	710	lf	\$ 5.75	\$ 4,083	0%	\$ 0.60	\$ 426	\$ -	\$ -	\$ 4,509
Place Elevated Deck	417	cy	\$ 23.00	\$ 9,591	5%	\$ 80.50	\$ 35,247	\$ 16.00	\$ 6,672	\$ 51,510
Finish Elevated Deck	11,265	sf	\$ 0.45	\$ 5,069	0%	\$ -	\$ -	\$ -	\$ -	\$ 5,069
Total for Level 19	491	cy		\$ 107,802			\$ 63,953		\$ 15,283	\$ 187,038
Low Roof										
Elevated Slab Deck										
Form Elevated Deck	272	sf	\$ 5.09	\$ 1,384	0%	\$ 1.00	\$ 272	\$ 0.50	\$ 136	\$ 1,792
Edge Form & Blockouts	-	lf	\$ 5.75	\$ -	0%	\$ 0.60	\$ -	\$ -	\$ -	\$ -
Place Elevated Deck	3	cy	\$ 23.00	\$ 69	5%	\$ 80.50	\$ 254	\$ 16.00	\$ 48	\$ 371
Finish Elevated Deck	272	sf	\$ 0.45	\$ 122	0%	\$ -	\$ -	\$ -	\$ -	\$ 122
Total for Low Roof	3	cy		\$ 1,576			\$ 526		\$ 184	\$ 2,285
GENERAL CONDITIONS										
Office Trailer	-	mo	\$ -	\$ -	0%	\$ -	\$ -	\$ -	\$ -	\$ -
Tower Crane	8	mo	\$ 10,000.00	\$ 80,000	0%	\$ -	\$ -	\$ 34,000.00	\$ 272,000	\$ 352,000
Tool Container (Conex)	8	mo	\$ -	\$ -	0%	\$ 300.00	\$ 2,400	\$ -	\$ -	\$ 2,400
Misc. Small Tools and Equipment	8	mo	\$ -	\$ -	0%	\$ 1,000.00	\$ 8,000	\$ -	\$ -	\$ 8,000
Concrete Equipment - Forklift	8	mo	\$ -	\$ -	0%	\$ 3,500.00	\$ 28,000	\$ -	\$ -	\$ 28,000
Concrete Equipment - Compressor	8	mo	\$ -	\$ -	0%	\$ 450.00	\$ 3,600	\$ -	\$ -	\$ 3,600
One (1) Area Superintendent w/ All Costs	8	mo	\$ 13,000.00	\$ 104,000	0%	\$ -	\$ -	\$ -	\$ -	\$ 104,000
Two (2) Field Engineers w/ All Costs	16	mo	\$ 9,000.00	\$ 144,000	0%	\$ -	\$ -	\$ -	\$ -	\$ 144,000
Field Engineering Equipment	8	mo	\$ -	\$ -	0%	\$ -	\$ -	\$ 500.00	\$ 4,000	\$ 4,000
Water, Ice, & Cups	8	mo	\$ -	\$ -	0%	\$ 150.00	\$ 1,200	\$ -	\$ -	\$ 1,200
Health Insurance for salary staff	24	mo	\$ -	\$ -	0%	\$ 910.00	\$ 21,840	\$ -	\$ -	\$ 21,840
2 way radios	7	ea	\$ -	\$ -	0%	\$ 750.00	\$ 5,250	\$ -	\$ -	\$ 5,250
Generator	32	mo	\$ -	\$ -	0%	\$ -	\$ -	\$ 450.00	\$ 14,400	\$ 14,400
Truck	8	mo	\$ -	\$ -	0%	\$ -	\$ -	\$ 550.00	\$ 4,400	\$ 4,400
Vehicle Maintenance	8	mo	\$ -	\$ -	0%	\$ 100.00	\$ 800	\$ -	\$ -	\$ 800
Vehicle Fuel	8	mo	\$ -	\$ -	0%	\$ 500.00	\$ 4,000	\$ -	\$ -	\$ 4,000
Equipment Maintenance	8	mo	\$ -	\$ -	0%	\$ 200.00	\$ 1,600	\$ -	\$ -	\$ 1,600
Equipment Fuel	8	mo	\$ -	\$ -	0%	\$ 950.00	\$ 7,600	\$ -	\$ -	\$ 7,600
Cell Phones	8	mo	\$ -	\$ -	0%	\$ 75.00	\$ 600	\$ -	\$ -	\$ 600
TOTAL GENERAL CONDITIONS				\$ 328,000			\$ 84,890		\$ 294,800	\$ 707,690
ADDITIONAL CONCRETE COSTS				\$ 2,153,068			\$ 235,000		\$ 152,003	\$ 2,540,071
TOTAL COST OF WORK	11,520	cy		2,827,422			1,631,483		645,677	5,104,582
TAX	8%						\$ 130,519		\$ 51,654	\$ 182,173
SUBTOTAL				\$ 2,827,422			\$ 1,762,001		\$ 697,331	\$ 5,286,755
FEE	10%			\$ 282,742			\$ 176,200		\$ 69,733	\$ 528,675
GRAND TOTAL CONCRETE WORK (Rounded)				\$ 3,110,000			\$ 1,938,000		\$ 767,000	\$ 5,815,000
FORMWORK TOTAL (USE FOR PART B)	351,682							\$ 5,815,000		Good

PART B						
PARAMETER / ITEM OF WORK	QUANTITY	UNIT	LABOR PRODUCTION		Cost	Labor
			WH/UNIT	Work Hours	Crew Cost	Subtotal
Basement						
Foundation Walls (Exterior & Interior Walls)						
Form Foundation Walls	19,402	sf	0.173	3,357	\$ 46.24	\$ 155,207
Columns						
Form interior columns	2,885	sf	0.173	499	\$ 46.24	\$ 23,079
Total for Basement	22,287	sf		3,856		\$ 178,285
Level 1						
Elevated Slab Deck						
Form Elevated Deck	12,104	sf	0.115	1,396	\$ 44.14	\$ 61,601
Walls and Columns						
Form walls	6,337	sf	0.173	1,096	\$ 46.24	\$ 50,693
Form interior columns	2,715	sf	0.173	470	\$ 46.24	\$ 21,719
Total for Level 1	21,156	sf		2,962		\$ 134,013
Level 2						
Walls and Columns						
Form walls	5,283	sf	0.147	777	\$ 46.24	\$ 35,910
Form interior columns	2,216	sf	0.147	326	\$ 46.24	\$ 15,063
Elevated Slab Deck						
Form Elevated Deck	8,356	sf	0.115	963	\$ 44.14	\$ 42,527
Total for Level 2	15,855	sf		2,066		\$ 93,499
Level 3						
Walls, Columns, and Beams						
Form walls	6,661	sf	0.173	1,152	\$ 46.24	\$ 53,285
Form interior columns	2,839	sf	0.173	491	\$ 46.24	\$ 22,711
Form interior beams	209	sf	0.232	48	\$ 34.83	\$ 1,689
Elevated Slab Deck						
Form Elevated Deck	11,701	sf	0.115	1,349	\$ 44.14	\$ 59,550
Form High Bay Shoring in Lobby	3,519	sf	0.164	577	\$ 44.14	\$ 25,474
Total for Level 3	24,929	sf		3,618		\$ 162,709

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PART B						
PARAMETER / ITEM OF WORK	QUANTITY	UNIT	LABOR PRODUCTION		Cost	Labor
			WH/UNIT	Work Hours	Crew Cost	Subtotal
Level 4						
Walls, Columns, and Beams						
Form walls	5,590	sf	0.147	822	\$ 46.24	\$ 37,997
Form interior columns	2,376	sf	0.147	349	\$ 46.24	\$ 16,150
Form interior beams	2,402	sf	0.232	557	\$ 34.83	\$ 19,410
Elevated Slab Deck						
Form Elevated Deck	13,311	sf	0.115	1,535	\$ 44.14	\$ 67,744
Total for Level 4	23,679	sf		3,263		\$ 141,301
Level 5						
Walls, Columns, and Beams						
Form walls	3,828	sf	0.147	563	\$ 46.24	\$ 26,020
Form interior columns	1,158	sf	0.147	170	\$ 46.24	\$ 7,871
Form interior beams	1,636	sf	0.232	380	\$ 34.83	\$ 13,220
Elevated Slab Deck						
Form Elevated Deck	12,221	sf	0.115	1,409	\$ 44.14	\$ 62,197
Total for Level 5	18,843	sf		2,522		\$ 109,308
Level 6						
Walls, Columns, and Beams						
Form walls	3,546	sf	0.147	521	\$ 46.24	\$ 24,103
Form interior columns	1,158	sf	0.147	170	\$ 46.24	\$ 7,871
Form interior beams	-	sf	0.232	-	\$ 34.83	\$ -
Elevated Slab Deck						
Form Elevated Deck	11,415	sf	0.115	1,316	\$ 44.14	\$ 58,095
Total for Level 6	16,119	sf		2,008		\$ 90,069
Level 7						
Walls, Columns, and Beams						
Form walls	3,546	sf	0.147	521	\$ 46.24	\$ 24,103
Form interior columns	1,158	sf	0.147	170	\$ 46.24	\$ 7,871
Form interior beams	-	sf	0.232	-	\$ 34.83	\$ -
Elevated Slab Deck						
Form Elevated Deck	11,415	sf	0.115	1,316	\$ 44.14	\$ 58,095
Total for Level 7	16,119	sf		2,008		\$ 90,069
Level 8						
Walls, Columns, and Beams						
Form walls	3,546	sf	0.147	521	\$ 46.24	\$ 24,103
Form interior columns	1,158	sf	0.147	170	\$ 46.24	\$ 7,871
Form interior beams	-	sf	0.232	-	\$ 34.83	\$ -
Elevated Slab Deck						
Form Elevated Deck	11,415	sf	0.115	1,316	\$ 44.14	\$ 58,095
Total for Level 8	16,119	sf		2,008		\$ 90,069
Level 9						
Walls, Columns, and Beams						
Form walls	3,546	sf	0.147	521	\$ 46.24	\$ 24,103
Form interior columns	1,158	sf	0.147	170	\$ 46.24	\$ 7,871
Form interior beams	-	sf	0.232	-	\$ 34.83	\$ -
Elevated Slab Deck						
Form Elevated Deck	11,415	sf	0.115	1,316	\$ 44.14	\$ 58,095

PART B

PARAMETER / ITEM OF WORK			LABOR PRODUCTION		Cost	Labor
	QUANTITY	UNIT	WH/UNIT	Work Hours	Crew Cost	Subtotal
Total for Level 9	16,119	sf		2,008		\$ 90,069
Level 10						
Walls, Columns, and Beams						
Form walls	3,558	sf	0.147	523	\$ 46.24	\$ 24,185
Form interior columns	870	sf	0.147	128	\$ 46.24	\$ 5,914
Form interior beams	2,241	sf	0.232	520	\$ 34.83	\$ 18,109
Elevated Slab Deck						
Form Elevated Deck	11,401	sf	0.115	1,315	\$ 44.14	\$ 58,024
Total for Level 10	18,070	sf		2,485		\$ 106,230
Level 11						
Walls, Columns, and Beams						
Form walls	3,588	sf	0.147	527	\$ 46.24	\$ 24,389
Form interior columns	870	sf	0.147	128	\$ 46.24	\$ 5,914
Form interior beams	-	sf	0.232	-	\$ 34.83	\$ -
Elevated Slab Deck						
Form Elevated Deck	11,341	sf	0.115	1,308	\$ 44.14	\$ 57,718
Total for Level 11	15,799	sf		1,963		\$ 88,021
Level 12						
Walls, Columns, and Beams						
Form walls	3,588	sf	0.147	527	\$ 46.24	\$ 24,389
Form interior columns	870	sf	0.147	128	\$ 46.24	\$ 5,914
Form interior beams	-	sf	0.232	-	\$ 34.83	\$ -
Elevated Slab Deck						
Form Elevated Deck	11,341	sf	0.115	1,308	\$ 44.14	\$ 57,718
Total for Level 12	15,799	sf		1,963		\$ 88,021
Level 13						
Walls, Columns, and Beams						
Form walls	3,588	sf	0.147	527	\$ 46.24	\$ 24,389
Form interior columns	870	sf	0.147	128	\$ 46.24	\$ 5,914
Form interior beams	-	sf	0.232	-	\$ 34.83	\$ -
Elevated Slab Deck						
Form Elevated Deck	11,341	sf	0.115	1,308	\$ 44.14	\$ 57,718
Total for Level 13	15,799	sf		1,963		\$ 88,021
Level 14						
Walls, Columns, and Beams						
Form walls	3,588	sf	0.147	527	\$ 46.24	\$ 24,389
Form interior columns	870	sf	0.147	128	\$ 46.24	\$ 5,914
Form interior beams	-	sf	0.232	-	\$ 34.83	\$ -
Elevated Slab Deck						
Form Elevated Deck	11,341	sf	0.115	1,308	\$ 44.14	\$ 57,718
Total for Level 14	15,799	sf		1,963		\$ 88,021
Level 15						
Walls, Columns, and Beams						
Form walls	3,588	sf	0.147	527	\$ 46.24	\$ 24,389
Form interior columns	870	sf	0.147	128	\$ 46.24	\$ 5,914
Form interior beams	-	sf	0.232	-	\$ 34.83	\$ -
Elevated Slab Deck						
Form Elevated Deck	11,341	sf	0.115	1,308	\$ 44.14	\$ 57,718
Total for Level 15	15,799	sf		1,963		\$ 88,021
Level 16						
Walls, Columns, and Beams						
Form walls	3,588	sf	0.147	527	\$ 46.24	\$ 24,389

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PARAMETER / ITEM OF WORK			LABOR PRODUCTION		Cost	Labor
	QUANTITY	UNIT	WH/UNIT	Work Hours	Crew Cost	Subtotal
Form interior columns	870	sf	0.147	128	\$ 46.24	\$ 5,914
Form interior beams	-	sf	0.232	-	\$ 34.83	\$ -
Elevated Slab Deck						
Form Elevated Deck	11,341	sf	0.115	1,308	\$ 44.14	\$ 57,718
Total for Level 16	15,799	sf		1,963		\$ 88,021
Level 17						
Walls, Columns, and Beams						
Form walls	3,588	sf	0.147	527	\$ 46.24	\$ 24,389
Form interior columns	870	sf	0.147	128	\$ 46.24	\$ 5,914
Form interior beams	-	sf	0.232	-	\$ 34.83	\$ -
Elevated Slab Deck						
Form Elevated Deck	11,341	sf	0.115	1,308	\$ 44.14	\$ 57,718
Total for Level 17	15,799	sf		1,963		\$ 88,021
Level 18						
Walls, Columns, and Beams						
Form walls	3,588	sf	0.147	527	\$ 46.24	\$ 24,389
Form interior columns	870	sf	0.147	128	\$ 46.24	\$ 5,914
Form interior beams	-	sf	0.232	-	\$ 34.83	\$ -
Elevated Slab Deck						
Form Elevated Deck	11,341	sf	0.115	1,308	\$ 44.14	\$ 57,718
Total for Level 18	15,799	sf		1,963		\$ 88,021
Level 19						
Walls, Columns, and Beams						
Form walls	3,588	sf	0.147	527	\$ 46.24	\$ 24,389
Form interior columns	870	sf	0.147	128	\$ 46.24	\$ 5,914
Form interior beams	-	sf	0.232	-	\$ 34.83	\$ -
Elevated Slab Deck						
Form Elevated Deck	11,265	sf	0.115	1,299	\$ 44.14	\$ 57,331
Total for Level 19	15,723	sf		1,954		\$ 87,634
Low Roof						
Elevated Slab Deck						
Form Elevated Deck	272	sf	0.115	31	\$ 44.14	\$ 1,384
Total for Low Roof	272	cy		31		\$ 1,384
FORMWORK TOTAL (USE FOR PART B)	351,682	sf		46,491	wh	\$ 2,078,805