Facility HVAC Upgrades	Fee Proposal Prepared by:
City Hall Complex	Matt hew C. Myres
Sparks, NV	12/2/2013

COST BREAKDOWN

ESTIMATED DIRECT LABOR							
	of	Ву	Cost				
Employee Classification	Hours	Classification					
Design Services							
PRINCIPAL PROJECT MANAGER	0	\$145.00	\$0.00				
PROFESSIONAL MECHANICAL ENGINEER	337	\$125.00	\$42,125.00				
DESIGN ENGINEER	0	\$95.00	\$0.00				
DESIGNER	356	\$80.00	\$28,480.00				
CADD TECH	286	\$60.00	\$17,160.00				
CLERICAL	20	\$45.00	\$900.00				
Hours Subtotal (See Backup Sheet)	999						
Estimated Direct Labor Cost Subtotal			\$88,665.00				
ESTIMATED EXPENSES							
Expenses (See Backup Sheet)			\$1,940.00				
Electrical Design Consultant (\$13,323 subconsultant fee +10%)			\$14,655.00				
TOTAL COST:			\$105,260.00				
Mechanical Design Contingency (for Unkown Conditions):			\$6,500.00				
Arhitectural Design Contingency (for minor architectural modofication	ns):		\$3,500.00				
Proposed Fee Total			\$115,260				

Scope of Services: Assess existing mechanical and control systems based on initial HVAC Report recomendations, design system upgrades and produce construction drawings. Perform normal Construction services and bid assistance, consultation during construction, shop drawing review and record drawings.

LABOR IN HOL	JRS						
	PRINCIPAL PROJECT	PROFESSIONA L MECHANICAL	DESIGN ENGINEER	DESIGNER	CADD TECH	CLERICAL	TOTAL
EMPLOYEE CLASSIFICATION	MANAGER	ENGINEER					TOTAL
TASK DESCRIPTION	Hours	Hours	Hours	Hours	Hours	Hours	HOURS
Design Services							
Project Design Management and coordination with the electrical subconsultant		24				12	36
Field Investigation - Exisitng Mechanical Equpment Locations and Layouts (8 days)		64		64			128
Field Investigation - Exisitng Mechanical Equpment Locations and Layouts (4 days)		48		48			96
Final design recommendation report with initial budgetary cost opinion		16				2	18
Develop Front End Drawings - Title Sheet, Schedules, Legends, Project Notes, Key Plan (4 dwgs)		2		4	10		16
Develop Demolition and New Mechanical Hydronic Drawings for Buildings 100, 200, 300, an (12 dwgs)		16		56	80		152
Develop Demolition and New Airside HVAC Design Drawings for Buildings 100, 200, 300 and (19 dwgs)		24		96	120		240
Develop Enlarged HVAC Design Drawings for critical areas (4 dwgs)		8		20	36		64
Develop HVAC DDC Control Drawings (4 dwgs)		16		12	8		36
Develop Mechanical Construction Details (2 dwgs)		3		5	8		16
Code Review, Calculations and Equipment research and selction		8		16			24
Construction phasing considerations / provisions		6		3			9
Final cost opinion at the 100% design stage		14				2	16
Project Specifications		28				4	32
Assessment and Design Review Meetings (4 mtgs)		8					8
Bid assistance		2					2
Consultation during construction, RFI's etc.		8		16			24
Submittal / Shop drawing review		0		16			16
Record drawings (38 dwgs)		2		10	24		26
		40			24		40
Weekly job mtgs during constr. w/reports (26 mtgs)		40					40
Total Drawings: 45							
Total Meetings: 30							
TOTAL HOURS:	0	337	0	356	286	20	999

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PROJECTED EXPENSES							
Design Services							
TRAVEL EXPENSES:							
Airline	0	Trips @	\$200.00		\$0.00		
Car Rental	0	Trips @	\$150.00		\$0.00		
Gas	0	Trips @	\$15.00		\$0.00		
Hotel	0	Trips @	\$125.00		\$0.00		
Meals	0	Days @	\$35.00		\$0.00		
Mileage (26 meetings & 4 plan submittal deliverie	600	Miles @	\$0.55		\$330.00		
				Subtotal:	\$330.00		
OTHER EXPENSES:							
PLOTTING	Quantity of Full Size	Full Size Cost Per Sheet	Quantity of Half Size	Half Size Cost Per Sheet			
20% (1 coto full ciro)	45	\$5.00	0	\$3.00	\$225.00		
30% (1 sets full size) 60% (1 sets full size)	45	\$5.00	0	\$3.00	\$225.00		
100% (1 sets full size)	45	\$5.00	0	\$3.00	\$225.00		
Final Bid (3 sets full and 1 half size)	135		45	\$3.00	\$810.00		
Final Report Recommendations (1 sets)	135	\$15.00	45	\$3.00	\$15.00		
CD Record Drawings		<u> </u>	1	\$10.00	\$10.00		
Postage and Delivery Service	4	Deliveries @	\$25.00		\$100.00		
				Subtotal:	\$1,610.00		
TOTAL EXPENSES:					\$1,940.00		
TOTAL EM LINGES.					Ψ1,740.00		

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