

DAMMON ENGINEERING, INC.

dammonengineering.com

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ENGINEERS

CONSULTING

DESIGN

STUDIES

EXPERT WITNESS

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April 14, 2010

Mr. Craig Rushon
Slidell Memorial Hospital
Engineering Department
12th Street
Slidell Louisiana, 70458

RE: Slidell Memorial Hospital Renovation
of the Kitchen/Dining Room HVAC and Hood

Dear Mr. Rushon,

Thank you for the opportunity to propose our services for the referenced project. Dammon Engineering is pleased to provide you with our proposal to furnish architectural and engineering services for the above referenced project at Slidell Memorial Hospital. Following our meeting last week, which resulted in an increase to the scope of work, this project now consists of approximately 6,600 sq. ft. of kitchen and dining room HVAC renovations, new kitchen Hoods, new lighting and new drop ceilings.

Our design package will include five sets of project specifications and drawings, ready for bidding, provided to you following 100% design completion as well as as-built drawings for a demolition plan of all associated work to be removed. Our plans will include three new rooftop air handlers & all new ductwork for the HVAC system for both the kitchen and dining room along with new hoods to replace the existing.

The new HVAC systems will be relocated from the existing locations to rooftop units and designed to accommodate the existing loads. Our design will also consist of two new kitchen hoods to replace the present outdated units.

We propose a fee of \$21,500.00 (Twenty One Thousand Five Hundred Dollars). If selected, we will prepare a standard AIA contract. This fee includes IBC and State Fire Marshal reviews, but *does not include* the cost of soils analysis, drainage studies, traffic studies, wetlands determination, or other engineering studies that may be required by government agencies.

We propose that you budget \$360,000.00 in construction cost for this project. Please see attached breakdown/estimate.

Dammon Engineering carries \$1,000,000. Professional/General Liability Insurance, Auto Insurance and Workmen's Compensation Insurance. We appreciate the opportunity to propose our services for this project. If you have any questions, or require any further information, please feel free to call. If this proposal is accepted we will prepare, for your approval and signature, a short-form AIA contract for this work.

Sincerely,



Emmett G. (Pete) Dammon, P.E.

SMH ESTIMATE										
Tag	Description	Unit of Measure	Quantity	Price/Unit	Total Material Price	Labor	Equipment Cost	Total	Remarks	
Demolition	Remove dry wall ceiling and haul debris	SF	3,300			0.61	0.01	2,046.00	May need to demo ceilings for access	
	Remove acoustical ceiling	SF	3,300			0.31		1,023.00		
	Metal piping removal	LF	250			1.76	0.03	447.50		
	A/C unit removal	Ea.	5			327	41.3	1,841.50		
	Duct removal	LF	300			6.91	0.11	2,106.00		
	Block wall cutouts for new duct/pipe	SF	5			35.8	9.21	225.05	Supporting new work	
	Remove light fixtures	Ea.	60			37.6	0.2	2,268.00		
	Remove 200 amp panels or less	Ea.	2			339	1.8	681.60	If needed to bring a panel up to code	
	Remove wire from conduits	LF	300			0.1		30.00		
	Remove conduits	LF	300			1.76	0.03	537.00		
HVAC	AHU-1 (15 ton):	Ea.	1	14,200.00	14,200.00	343	900	15,443.00		
	AHU-2 (8 ton):	Ea.	1	7,200.00	7,200.00	173	600	7,973.00		
	AHU-3 (20 ton):	Ea.	1	18,100.00	18,100.00	458	900	19,458.00		
	Roof curbs:	Ea.	3	400.00				1,200.00		
	Repair roof deck:	SF	200	1.87	374.00	0.34	0.01	444.00		
	Roofing insulation repair:	SF	200	1.33	266.00	0.39		344.00		
	Built-up roofing repair:	SQ	3	228.00				684.00		
	Ductwork:	Lb.	2,250	0.84	1,890.00	3.21	0.06	9,247.50		
	Insulation:	Ft2	1,800	1.02	1,836.00	1.87	0.03	5,256.00		
	2' x 2' louvered diffusers:	Ea.	38	63.00	2,394.00	10.2	0.17	2,788.06		
	Linear slot diffusers:	LF	35	39.20	1,372.00	8.8	0.15	1,685.25		
	Misc. grilles:	Ea.	15	59.90	898.50	10.2	0.17	1,054.05	Door grilles, transfer grilles, etc.	
	Flex duct:	LF	250	3.74	935.00	2.71	0.05	1,625.00		
	Balancing dampers at diffusers:	Ea.	73	108.00	7,884.00	14.2	0.24	8,938.12		
	Trunk line balancing dampers:	Ea.	9	70.80	637.20	32.1	0.54	669.84		
	Fire dampers:	Ea.	4	53.70	214.80	20.4	0.33	297.72		
	VAV Box w/ HW valve & accessories:	Ea.	15	900.00	13,500.00	3750		17,250.00		
	Air Balance (AHU's and VAV Boxes):	Ea.						2,062.70		
		2" CS Pipe:	LF	120	3.25	390.00	5.62		1,064.40	
		2" pipe insulation:	LF	120	1.27	152.40	1.71	0.03	361.20	
1" CS pipe:		LF	60	1.43	85.80	4.21		338.40		
1" pipe insulation:		LF	60	0.90	54.00	1.71	0.03	158.40		
3/4" CS pipe:		LF	40	0.93	37.20	3.28		40.48		
3/4" pipe insulation:		LF	40	0.79	31.60	1.37	0.02	87.20		
1/2" PVC pipe:		LF	120	0.84	100.80	2.81		103.61		
2" gate valve:		Ea.	4	41.90	167.60	21.1	0.32	253.28		
1" gate valve:		Ea.	6	14.50	87.00	12.6	0.19	163.74		
3/4" ball valve:		Ea.	15	7.55	113.25	8.43	0.13	241.65		
1" check valve:		Ea.	3	80.00	240.00	12.6	0.19	278.37		
3/4" check valve:		Ea.	15	59.40	891.00	10.5	0.16	1,050.90		
1" strainer:		Ea.	3	35.90	107.70	11.4	0.19	142.47		
3/4" Strainer:		Ea.	15	28.40	426.00	8.98	0.15	562.95		
CHW control valves:		Ea.	3		450.00			1,350.00		
3/4" balancing cocks:		Ea.	15	15.37	230.55	10.5	0.16	390.45		
Misc. pipe fittings:		Lot						3,000.00		
Water balance (ea. VAV Box and AHU):		Ea.	18	99.73				1,795.14		
Others		Demolish existing hoods:	Ea.	2					2,000.00	Assumed
		Exhaust hood:	Ea.	2					41,006.98	
	Hood installation:	Ea.	2					15,000.00	Per discussion	
Controls	Johnson control (BAC-Net):	Lot						10,000.00	Approximately 4%	
	Local mercury temperature gauges:	Ea.	12	55.00	660.00	21.8	0.36	925.92		
	Local pressure gauges:	Ea.	12	15.00	180.00	21.8	0.36	445.92		
Electrical	Provide 240V power to roof top AHU	Ea.	3	1,800.00	5,400.00	1330		9,390.00		
	Provide 240V power to Exhaust Hoods	Ea.	2	3,000.00	6,000.00	2186		10,372.00		
	Light Fixtures in Dining Room	Lot	1	13,500.00	13,500.00	3278		16,778.00		
	Reinstall Light Fixtures in Kitchen	Hr	48			45.55		2,186.40		
Misc.	Debris removal and general clean up	CSF	660	2.12	1,399.20	5.37	0.05	4,976.40		
	Temporary barricades:	LF	50	41.70	2,085.00	2.48	0.66	2,242.00	Per discussion - near freezers	
	Ceiling repair, gypsum smooth finish:	SY	360	9.29	3,344.40	14.7	0.4	8,780.40		
	Replace acoustical ceiling tiles:	SF	6,600	0.89	5,874.00	0.39	0.01	8,514.00		
	Replace t-bar suspension system:	SF	6,600	0.97	6,402.00	0.3		8,382.00		
	15% contingency:							39,001.28	Conservative	
	Total:							299,009.83		
								\$300,000.00	Not including contractor OH&P	
								\$60,000.00	20% OH&P	
								\$360,000.00	Total	