

December 19, 2023

Top Pick Contracting 110 Elite Road Only the Best, CA 67899

Attention: Chloe Taylor

Reference: Mount Olympus Science and Technology - BETA Building

Subject: MCE-002 Rev. 0 Heat Pump Impacts

Dear Chloe Taylor,

We are in receipt of the above subject document and herein notify you of our cost impact. Our cost estimate to complete this work is:

Lump Sum Proposal \$ 118,278

We propose to:

Install heat pumps differently than originally planned. We originally planned to receive all 4 heat pumps at the crane subcontractor's yard, and ship to site as needed; storage anticipated for no longer than 1 month. Our original plan included mobilizing / demobilizing the crane one time, and did not account for any standby time for the crane on-site. We planned to set 2 heat pumps per day. Add scope for installation of 4 heat pumps differently than originally planned, based on the belowanticipated dates:

12/20/2023: 1st Heat Pump arrives to crane yard 01/03/2024: 1st Heat Pump set in place on roof

01/31/2024: 2nd, 3rd, and 4th Heat Pumps arrive to crane yard

02/07/2024 - 02/08/2024: 2nd, 3rd, and 4th Heat Pumps set in place on roof

Note that we propose to keep the crane on site an additional 5 weeks of standby time as this is a less expensive option than remobilizing the crane for the remaining heat pumps.

We have attached a copy of the cost estimate backup for your review. This proposal is valid for 30 days after which time it is subject to reevaluation.

This proposal is based on [X] straight time or [] premium time basis.

We are quoting a time extension of 25 working day(s) to perform the change installation once direction to proceed with the change work is received.

Exclusions:

[INPUT AS NECESSARY FROM LIST BELOW]

Please issue the appropriate change order for this amount to our contract.

Sincerely,
MURRAY COMPANY

Lucas Anderson

Project Manager



PROJECT NAME:	Mount Olympus Science and T	uilding			DATE: 12/19/23				
FIXTURES & E	QUIPMENT				PRICE		WARRANTY		
TAG	DESCRIPTION			QTY	EACH	FREIGHT	3.0%		TOTAL \$
									-
									-
									-
									-
									-
									-
									-
							TOTAL:	\$	
PIPING - SHOP		Hrs (ST)	Hrs (OT)	Hrs (DT)	Hrs (Shift)	Labor Rate	Material \$		TOTAL \$
Fabrication Labor [Straig	ht Time]					123.00	-		-
Fabrication Labor [Overt	ime]					174.00			-
Fabrication Labor [Doub	letime]					234.00			-
Fabrication Labor [Shift ⁻	Time]					140.00			-
Shop General Foreman [20% of Labor]								-
Consumables							0.00		-
Piping Shop Totals:		-	-		-		-	\$	-
PIPING - FIELD		Hrs (ST)	Hrs (OT)	Hrs (DT)	Hrs (Shift)	Labor Rate	Material \$		TOTAL \$
Piping System Install Lab	or (Straight Time)	16.00	(3.1)	(51)	(2/1110)	166.25	-		2,660.0
Piping System Install Lab		10.00				240.00			_,000.00
Piping System Install Lab	-					296.67			
Piping System Install Lab						160.00			
Consumables						200.00	-		_
Cartage							-		_
Rentals									3,750.0
Foreman									-
General Foreman		200							42,000.00
Piping Field Totals:		216					-	\$	48,410.0
PROJECT MAN	ACEMENT		(07)	(DT)	(01.10)			-	
	AGEWIEN	Hrs (ST)	Hrs (OT)	Hrs (DT)	Hrs (Shift)	Labor Rate			TOTAL \$
Project Executive		8				250.00			2,000.00
Project Manager		16				210.00			3,360.00
Project Engineer		16				100.00			1,600.00
Superintendent		20				175.00			3,500.00
Safety Professional		16				110.00			1,760.00
QAQC Manager		16				125.00		<u> </u>	2,000.00
Project Mgmt Totals:		92	-	•	-			\$	14,220
SUBCONTRAC			1	1					TOTAL \$
Store HP 1 (13 days only									(1,133.33
Store HP 2, 3, 4 (8 days o									(4,400.00
Crane (standby time for	•								40,000.00
	= 3; impact = add 1 day)								8,000.00
	al days on site = 3; impact = add 1 da								2,500.0
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						Subcontract Tota		\$	44,96
					Tax:		10%	_	
					Subtotal Cos	ts:		\$	107,596.6
					Subcontract	or OH+Fee:	5%	\$	2,248.3
					Material/Tax	Overhead + Fee:	15%	\$	562.5
					Labor Overh	ead + Fee:	15%	\$	6,699.0
					Warranty:		1%	\$	1,171.0
					Submitted T	otal:		\$	118,277.5
								7	,_,,.,



PROJECT NAM	E Mount Oly	mpus Scien		DATE:	12/19/2023		
PIPING			DESCRIPTION	PRICE PER		EXTENDED	EXTENDED
SYSTEM	QTY	SIZE	DESCRIPTION Pine Cost Iron Nothing	UNIT	LABOR PER UNIT	MATERIAL PRICE	LABOR HRS
			Pipe - Cast Iron NoHub Pipe - Cast Iron NoHub	6.08 8.40	0.07 0.08	0	
			Pipe - Cast Iron NoHub	12.40	0.08	0	
			Pipe - Carbon Steel	9.05	0.10	0	
			Pipe - Carbon Steel	13.50	0.14	0	
			Pipe - Carbon Steel	23.74	0.14	0	
	_		Pipe - Carbon Steel	35.73	0.25	0	
			Pipe - Carbon Steel	50.65	0.32	0	
	_		Pipe - Carbon Steel Pipe - Copper Type L	2.68	0.32	0	
	_		Pipe - Copper Type L	4.38	0.04	0	
			Pipe - Copper Type L	6.24	0.00	0	
			Pipe - Copper Type L	7.24	0.08	0	
	_		Pipe - Copper Type L	12.24	0.10	0	
			Pipe - Copper Type L	69.43	0.10	0	
			Fitting - Cast Iron NoHub - Coupling	\$ 6	0.00	0	
			Fitting - Cast Iron NoHub - Coupling	7.55	0.00	0	
			Fitting - Cast Iron NoHub - Coupling	4.50	0.00	0	
			Fitting - Cast Iron NoHub - 1/4 Bend Long Sweep	9.00	0.45	0	
			Fitting - Cast Iron NoHub - 1/4 Bend Medium Sweep	9.00	0.45	0	
			Fitting - Cast Iron NoHub - 1/4 Bend Short Sweep	12.50	0.45	0	
			Fitting - Cast Iron NoHub - 1/4 Bend Short Sweep	16.00	0.75	0	
			Fitting - Cast Iron NoHub - 1/8 Bend	10.50	0.75	0	
			Fitting - Cast Iron NoHub - Combination	13.00	0.65	0	
			Fitting - Cast Iron NoHub - Combination	17.00	0.89	0	
			Fitting - Cast Iron NoHub - Combination Reducing	16.00	0.89	0	
			Fitting - Cast Iron NoHub - Combination Reducing	21.00	1.10	0	
			Fitting - Cast Iron NoHub - Wye	11.33	0.65	0	
			Fitting - Cast Iron NoHub - Wye	14.55	0.75	0	
			Fitting - Carbon Steel - Thread-o-Let	31.92	1.33	0	
			Fitting - Carbon Steel - Thread-o-Let	31.92	1.33	0	
			Fitting - Carbon Steel - Tee	286.95	9.41	0	
			Fitting - Carbon Steel - Tee	493.78	12	0	
			Fitting - Carbon Steel - Tee	951.57	15.21	0	
			Fitting - Carbon Steel - Tee Reducing	164.56	6.64	0	
			Fitting - Carbon Steel - Tee Reducing	632.74	11.38	0	
			Fitting - Carbon Steel - Tee Reducing	1,156.00	14.64	0	
			Fitting - Carbon Steel - Cap	18.08	1.58	0	
			Fitting - Carbon Steel - Cap	22.89	1.95	0	
			Fitting - Carbon Steel - Cap	33.48	2.41	0	
			Fitting - Copper - 90 Deg Elbow	1.08	0.24	0	
			Fitting - Copper - 90 Deg Elbow	2.50	0.31	0	
			Fitting - Copper - 90 Deg Elbow	6.00	0.35	0	
			Fitting - Copper - 90 Deg Elbow	8.00	0.45	0	
			Fitting - Copper - 90 Deg Elbow	12.34	0.74	0	
			Fitting - Copper - Cap	0.83	0.11	0	
			Fitting - Copper - Coupling	0.66	0.24	0	
			Fitting - Copper - Coupling	1.50	0.31	0	
			Fitting - Copper - Coupling	3.23	0.35	0	
			Fitting - Copper - Coupling	4.56	0.45	0	
			Fitting - Copper - Coupling	5.78	0.69	0	
			Fitting - Copper - Coupling	34.40	1.71	0	
			Fitting - Copper - Tee	2.00	0.39	0	
			Fitting - Copper - Tee	13.50	0.53	0	
			Fitting - Copper - Tee	19.30	0.78	0	
			Fitting - Copper - Tee	24.46	1.1	0	
			Fitting - Copper - Tee Reducing	4.00	0.47	0	
			Fitting - Copper - Tee Reducing	16.00	0.50	0	
			Flange - Carbon Steel - Weld Neck	31.10	0.2	0	
			Flange - Carbon Steel - Weld Neck	37.39	0.25	0	
			Flange - Carbon Steel - Weld Neck	54.50	0.47	0	
			Flange - Carbon Steel - Weld Neck	96.08	0.62	0	
			Flange - Carbon Steel - Weld Neck	154.38	0.75	0	
			Flange - Carbon Steel - Blind	50.95	0.2	0	
			Flange - Carbon Steel - Blind	71.61	0.25	0	
			Flange - Carbon Steel - Blind	108.99	0.27	0	
			Flange - Carbon Steel - Blind	177.29	0.32	0	
			Flange - Carbon Steel - Blind	341.13	0.48	0	
			Valve - Ball - Threaded	203.89	1.65	0	
			Valve - Ball - Welded	233.60	2.57	0	
			Valve - Butterfly - Flanged	790.59	1.03	0	
			Valve - Ball - Welded	632.47	3.48	0	
			Valve - Butterfly - Flanged	914.66	1.91	0	
			Valve - Ball - Welded	731.73	4.58	0	
			Valve - Butterfly - Flanged	1,568.40	2.22	0	
			Valve - Butterfly - Flanged	2,255.20	2.45	0	
		0	varve Dutterrry Frangeu	2,233.20	2.45	- 0	



		10	Valve - Butterfly - Flanged	3,834.80	3.99	0	0
		1/2	Specialties - Pipe ID	0.12	0.01	0	0
		3/4	Specialties - Pipe ID	0.12	0.01	0	0
		1	Specialties - Pipe ID	0.12	0.01	0	0
		2	Specialties - Pipe ID	0.12	0.01	0	0
			Specialties - Pipe ID	0.15	0.01	0	0
			Specialties - Pipe ID	0.15	0.01	0	0
			Specialties - Pipe ID	0.17	0.01	0	0
			Specialties - Pipe ID	0.28	0.01	0	0
			Specialties - Pipe ID	0.28	0.01	0	0
			Specialties - Clevis Seismic Bracing	12.50	0.15	0	0
			Structural Attachment - Anchors	2.56	0.25	0	0
			Structural Attachment - Anchors	4.31	0.25	0	0
			Supports - Aluminum - Saddles & Shields	4.16	0.10	0	0
			Supports - Aluminum - Saddles & Shields	4.41	0.10	0	0
		3/8	Supports - Bolts, Nuts, Washers	0.42	0.00	0	0
		1/2	Supports - Bolts, Nuts, Washers	0.60	0.00	0	0
		3/8	Supports - Hanger Rod	1.54	0.00	0	0
		1/2	Supports - Hanger Rod	3.20	0.00	0	0
		2	Supports - Carbon Steel Hangers - Galvanized	6.84	0.60	0	0
			Supports - Carbon Steel Hangers - Galvanized	13.80	0.60	0	0
			Supports - Carbon Steel Hangers - Galvanized	25.63	0.70	0	0
			Supports - Carbon Steel Hangers - Galvanized	136.92	0.70	0	0
			11				
			Supports - Carbon Steel Hangers - Galvanized	173.49	1	0	0
			Supports - Carbon Steel Hangers - Galvanized	256.33	1.11	0	0
			Supports - Carbon Steel Hangers - Copper	3.09	0.40	0	0
			Supports - Carbon Steel Hangers - Copper	3.09	0.40	0	0
			Supports - Carbon Steel Hangers - Copper	4.09	0.50	0	0
		1-1/2	Supports - Carbon Steel Hangers - Copper	5.65	0.56	0	0
			Supports - Carbon Steel Hangers - Copper	6.25	0.58	0	0
		2-1/2	Supports - Carbon Steel Hangers - Copper	9.00	0.60	0	0
		3	Supports - Carbon Steel Hangers - Copper	11.08	0.60	0	0
			Supports - Carbon Steel Saddles & Shields	24.66	0.07	0	0
			Supports - Carbon Steel Saddles & Shields	26.55	0.07	0	0
			Supports - Carbon Steel Saddles & Shields	45.21	0.07	0	0
			Supports - Carbon Steel Saddles & Shields	116.26	0.07	0	0
			Supports - Carbon Steel Saddles & Shields	159.44	0.07	0	0
			Supports - Carbon Steel Saddles & Shields	291.20	0.09	0	0
			Cut & Prep Pipe - Carbon Steel (only use on existing pipe)	10.00	0.5	0	0
		4	Cut & Prep Pipe - Carbon Steel (only use on existing pipe)	10.00	0.5	0	0
		6	Cut & Prep Pipe - Carbon Steel (only use on existing pipe)	15.00	0.5	0	0
		8	Cut & Prep Pipe - Carbon Steel (only use on existing pipe)	20.00	0.5	0	0
		10	Cut & Prep Pipe - Carbon Steel (only use on existing pipe)	20.00	0.5	0	0
		3	Cut & Prep Pipe - Copper (only use on existing pipe)	10.00	0.5	0	0
		4	Cut & Prep Pipe - Copper (only use on existing pipe)	10.00	0.5	0	0
			7 7 77 77 77 77 77 77 77 77 77 77 77 77			0	0
			Remobilization 4 man pipe fitting crew to roof to install 3				
RL19	1	n/a	remaining heat pumps & associated hookup spools		16	0	16
REIS		11/4	remaining near pamps & associated nookap spools		10	0	0
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PIPING TOTALS: \$ - 16							16.00



EQUIPMENT RENTAL

Project: Mount Olympus Science and Technology - BETA Building

Date: 12/19/2023
Description: Heat Pump Impacts

Qty	Description	Hours	Weeks	Months	Hourly Rate	Weekly Rate	Monthly Rate	TOTAL
		VEH	IICLES					
	Pick-up Truck 2 X 4				9	288	864	-
	Crew Tool truck 3/4 ton				22	704	2640	-
	Crew Tool Truck F550				46	1472	5520	-
	Flat bed truck 2 ton				46	1472	5520	-
	UTV/Mule, Golf Cart				9	288	1080	-
		LIGHT EC	QUIPMENT					
	Roto Hammers, Kit W/ Chuck				6	192	720	-
	Band saw (porta-band)				5	160	600	-
	Circular Saw, 5 HP				14	448	1680	-
	Core Drill Machine				15	480	1800	-
	GPR concrete rebar				21	672	2520	-
	Laser Levels				8	256	960	-
	Light tower				24	768	2880	-
	Tube Squaring Machine				8	256	960	-
	Tubing Bender				15	480	1800	-
	Tubing Flange Former, Sanitech				21	672	2520	-
	Fusion Machine GSR FU-1200				7	224	840	-
	PEX/Propress Tool				4	128	480	-
	1 Weld machine, 250A, lead/stinger			1.25	25	800	3000	3,750.0
	Smog Hog				20	640	2400	-
	Orbital Welding Machine				81	2592	9720	-
	Orbital Weld Head				24	768	2880	-
	Acetylene Rigs Complete				4	128	480	-
	Threading Machine/Power Vice				13	416	1560	-
	Pump, Test, 150 psi				28	896	3360	-
	Pump Trash, 3"-4"				10	320	1200	-
	Pump, 1" electric				8	256	960	-
	Pump Flushing Skid				22	704	2640	-
	Compressor, 175 cfm				32	1024	3840	-
	wet dry vacuum				8	256	960	-
	Roust-A-Bout Material Lift				15	480	1800	-
	Scissor Lift				15	480	1800	-
	Boom Lift (<50' articulating)				38	1216	3648	-
	Generator 3500 Watt				10	320	1200	-
		HEAVY E	QUIPMENT					
	Forklift 8K all terrain				72	2304	8640	-
	Forklift 5K all terrain				32	1024	3840	-
	Forklift 2K warehouse				20	640	2400	-
		N	IISC					
	Office trailer				15	480		-
	Storage container				8	256	960	-
	Movin Cool				21	672	2520	-
	[PLUG]							-
	[PLUG]							-
	[PLUG]							-
	[PLUG]						100	-
							TOTAL	3,750.



	STRAIGHT TIME		STRAIGHT TIME OVERTIME		DOUBLETIME		SHIFT		SHIFT OVERTIME		SHIFT DOUBLETIME	
	CREW		CREW		CREW		CREW		CREW		CREW	
	MEMBERS	LABOR RATE	MEMBERS	LABOR RATE	MEMBERS	LABOR RATE	MEMBERS	LABOR RATE	MEMBERS	LABOR RATE	MEMBERS	LABOR RATE
APPRENTICE	1	\$ 125.00	1	\$ 170.00	1	\$ 210.00	3	\$ 140.00		\$ 190.00		\$ 230.00
JOURNEYMAN	2	\$ 170.00	2	\$ 230.00	2	\$ 290.00	2	\$ 190.00		\$ 260.00		\$ 320.00
FOREMAN	1	\$ 200.00	3	\$ 270.00	3	\$ 330.00		\$ 220.00		\$ 300.00		\$ 370.00
GENERAL FOREMAN	0	\$ 210.00		\$ 290.00		\$ 360.00		\$ 235.00		\$ 320.00		\$ 400.00
	CREW RATE	\$ 166.25		\$ 240.00		\$ 296.67		\$ 160.00				

PROJECT EXECUTIVE	\$ 250.00
PROJECT MANAGER	\$ 210.00
PROJECT ENGINEER	\$ 100.00
SUPERINTENDENT	\$ 175.00
SAFETY PROFESSIONAL	\$ 110.00
QA/QC MANAGER	\$ 125.00

- 1. Labor rates above do not include 10% Overhead & 5% Profit.
- 2. First 8 hours worked is straight time. Overtime is defined as first 2 hours in excess of an 8 hour shift. Doubletime is defined as all work hours after 10 hours.
- 3. Saturdays are Overtime pay for first 10 hours, doubletime pay there-after.
- 4. Sundays are Doubletime pay.
- 5. Straight time normal work hours are 6 AM 2:30 PM and include one 40 minute (unpaid) lunch break. Shift is defined as an 8 hour shift starting at anytime that is not normal work hours. Shift Overtime and Shift Doubletime apply the same as regular overtime and doubletime rates.
- 6. An additional 30 minute break (paid at applicable overtime / doubletime / shift rate) shall be allowed after 2 hours of overtime is worked, and every 4 hours thereafter.