Valdez Middle School
Dawson Change Order 30 Breakdown

Use this narrative for agenda statement

ASI 89 - Communication Rooms 156 & 203 Cooling	**$ 46,339.43**	**$ 1,390.18**	**$ 47,729.61**

Estimated cost allocation to each Room	**Room 156**	**Room 203**
H&H Sheetmetal	$ 5,719.57	$ 22,878.28
Meridian Systems	$ 3,093.00	$ 2,062.00
Mantech Mech.	$ 2,540.15	$ 4,717.43
Mega-Watt Electric	$ 3,197.40	$ 2,131.60
Subcontractor totals	$ 14,550.12	$ 31,789.31
Dawson Fee@3%	$ 436.50	$ 953.68
Portion of total allocated to each room	$ 14,986.63	$ 32,742.99

Scope description: Room 203 Relocate existing air conditioning (AC) unit CAC-1 from Communications Room 203 to the hallway outside the Comm. Room; demolish existing intake and outlet ductwork and reconnect new ductwork; seal wall penetrations; re-pipe condensate drain line; extend and reconnect existing electrical circuit and control wiring. **Room 156** Demolish existing exhaust fan in Comm. Room 156; furnish and install new ceiling-mounted AC unit CAC-2 and Direct Digital Controls thermostat in Room 156.

Justification: Room 203 The existing AC system in Comm. Room 203 was designed and installed for serving the new middle school. The original design had the AC unit located away from network equipment to allow accessibility for maintenance. During construction, the School District's central server function at the High School was relocated to Room 203. The network equipment layout and equipment was changed based on field coordination but the AC unit location was not changed to accommodate the new equipment layout. The School District Maintenance department expressed concern about the specified AC unit location because condensate or pipe leaks might damage the IT equipment or interrupt District server operations. **Room 156** The original design for Room 156 was based on maintaining room temperature of 85 degrees without use of an air conditioning system and the associated maintenance. During construction, an exhaust fan and transfer air system were added in Comm. Room 156 to facilitate cooling to 85 degrees F. After construction, the School District requested that an air conditioning unit be installed. The Owner authorized the Contractor to use Contractor Controlled Contingency funds to perform this remodel work for both rooms.

Bettisworth North Architects & Planners
212 Front Street, Suite 200
Fairbanks, AK 99701
(907) 456-5780

City of Valdez
Valdez City School District
VALDEZ MIDDLE SCHOOL

Dawson Construction
402-32nd Street, Suite 110
Bellingham, WA 98225
(360) 756-1000

ARCHITECTURAL SUPPLEMENTAL INFORMATION	ASI TOPIC	ORIGINATOR	SUBMITTED ON	ASI NO.
	Comm Room 156 and 203 Cooling	RSA	4/28/15	089

SECTION I – GENERAL/REFERENCE

WRITTEN BY: Zachary Cawvey (RSA Engineering)			CONTRACT DWG: 1/M505 SKM-23	SPEC:
COST IMPACT:	YES ☒	NO ☐	UNKNOWN	SHOP DWG:	OTHER:

SECTION II – ARCHITECTURAL SUPPLEMENTAL INFORMATION

Please provide a cost proposal for the following changes:

Relocate existing Computer Room 203 AC Unit, CAC-1 to the hall way outside the comm room. Relocate unit and reconnect ductwork as shown on attached Sketch SKM-24. Extend and reconnect existing electrical circuit and control wiring.

Provide Computer Room 156 with a new Moovin Cool, Ceiling mounted, 2-ton AC Unit. Demolish existing exhaust fan and install new AC unit, CAC-2, as shown on attached Sketches SKM-25, SKE-33 and SKE-34.

SECTION III – OWNER REMARKS

Comm Room 156 work was completed and has operated without reports of any problems. Comm Room 203 AC unit was moved outside the room to prevent condensate and leaked refrigerant from damaging IT equipment or interrupting School District operations, but the AC unit continued to leak and experienced shutdowns. Recent repairs appear to have resolved the leaking and shut down problems.

APPROVED ☐	DISAPPROVED ☐	INITIATE RFP?		IWA/RFP#		

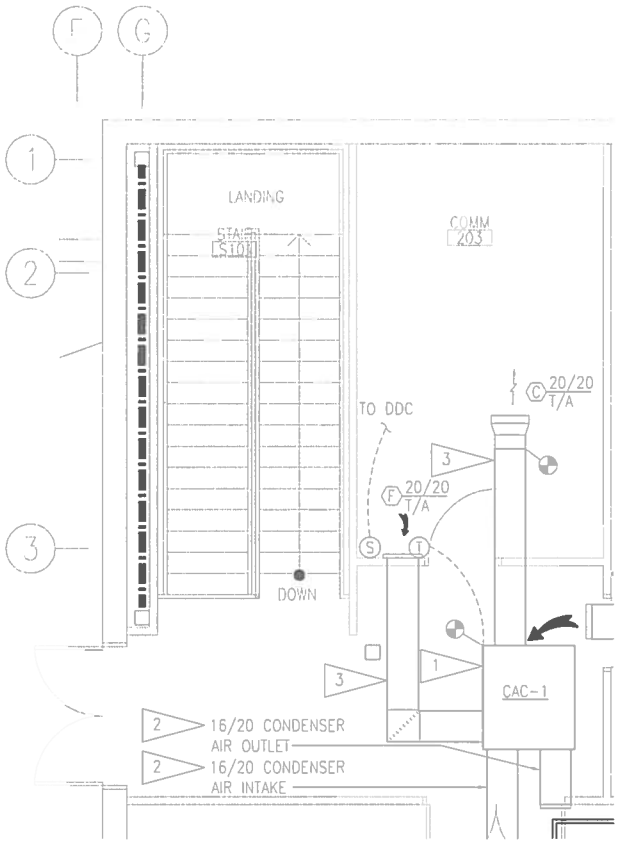
SIGNATURE: Ronald T. Rozak	Arcadis	DATE: 8/25/16

SECTION IV – CONTRACTOR RESPONSE

SIGNATURE:	DAWSON Construction Co.	DATE:

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

1" ACTUAL



1 AC UNIT PLAN - COMM 203

1/4" = 1'-0"

GENERAL NOTES:

A PATCH AND SEAL GAP IN WALL BETWEEN ELECTRICAL 204 AND COMM 203.

B RE-PIPE CONDENSATE DRAIN FROM CAC-1 TO EXISTING DRAIN LINE IN COMM 203.

SHEET NOTES:

1 RELOCATE CAC-1 TO POSITION SHOWN OUTSIDE OF COMM ROOM 203. RECONNECT TO LOCAL CONTROLLER. COORDINATE LOCATION WITH OWNER PRIOR TO INSTALLATION.

2 DEMOLISH 16/20 INTAKE AND OUTLET CONDENSER DUCTWORK AS NEEDED TO MAKE ROOM FOR CAC-1.

3 PROVIDE NEW 20/20 COOLING AND EXHAUST DUCTWORK FOR COMM 203.

4/28/15

AS-089

SKM-24

CONSULTANT

RSA Engineering, Inc.

MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS

2532 Arctic Boulevard
Anchorage, AK 99503
Phone (907) 258-2520
Fax (907) 276-1751

1316 E. Dimond Avenue
Wasilla, AK 99654
Phone (907) 376-5141
Fax (907) 376-1751

BETTISWORTH NORTH

ARCHITECTS AND PLANNERS

Anchor: 1156 HALL STREET at 5TH Ave. ANCHORAGE, ALASKA 99501 (907) 274-2700
815 FRONT STREET FAIRBANKS, ALASKA 99701 (907) 452-2700
WWW.BETTISWORTHNORTH.COM

PROJECT NO. 11-310-9397

CITY OF VALDEZ

VALDEZ MIDDLE SCHOOL

VALDEZ, ALASKA

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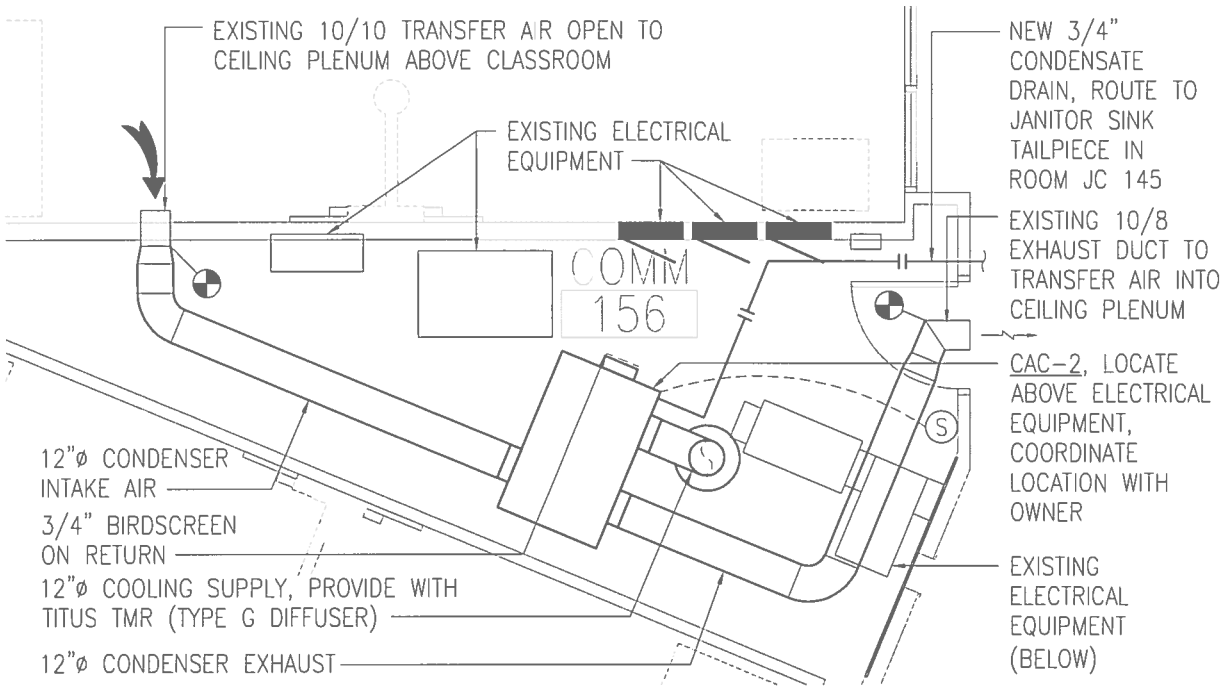
1" ACTUAL



AC UNIT PLAN - COMM 156

1/4" - 1'-0"

COMPUTER ROOM AC UNIT SCHEDULE

SYMBOL	MFGR	MODEL	SERVICE	NOMINAL TONS	EVAPORATOR CFM
CAC-2	MOVINCOOL	CM-25	COMM 156	2	950

ELECTRICAL DATA			
kW	VOLTS	PHASE	REMARKS: SELF-CONTAINED AIR COOLED, CONDENSATE PUMP AND LOCAL CONTROLLER
3.2	208	1	

BETTISWORTH NORTH
ARCHITECTS AND PLANNERS
2600 DENALI STREET SUITE 710 ANCHORAGE, ALASKA 99503 (907) 561-5780
212 FRONT STREET FAIRBANKS, ALASKA 99701 (907) 456-5780
WWW.BETTISWORTHNORTH.COM

4/28/15

ASI-089

SKM-25

PROJECT NO. 11-310-9507
CITY OF VALDEZ
VALDEZ MIDDLE SCHOOL
VALDEZ, ALASKA

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

1" ACTUAL

PANEL 'LR2'

MFR/MODEL: SQUARE 'D' TYPE NQ — VOLTS: 120/208V,3PH,4W — ENCLOSURE: NEMA 1 — 225 A

MTG: RECESSED

NOTE	CIRC	POLE	AMPS	SERVICE	TYPE	VOLT-AMPS A	VOLT-AMPS B	VOLT-AMPS C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE
	1	3	60	PANEL D&M	FEDR	700				SPARE	20	1	2	
	3	3	60	^^^	FEDR		1150 540		RECP	RECP 150 S	20	1	4	
	5	3	60	^^^	FEDR			575	RECP	SPARE	20	1	6	
	7	1	20	RECP - 152 W	RECP	540 864			MOTR	EF-7	15	1	8	
	9	1	20	SPARE	RECP				RECP	SPARE	20	1	10	
	11	1	20	RECP - 152 N, 152A, 162	RECP			900 750	MOTR	EF-6	15	1	12	
	13	1	20	RECP - 152 TABLE	RECP	1080 800			HEAT	HEAT TRACE - ROOF S W	20	1	14	a
	15	1	20	RECP - 152 TABLE	RECP		1080			SPARE	20	1	16	
	17	1	20	RECP - 152 TABLE	RECP			1080 500	HEAT	HEAT TRACE - ROOF N W	20	1	18	a
	19	1	20	RECP - 152 TABLE	RECP	1080 360			RECP	RECP - C102 SW	20	1	20	
	21	1	20	RECP - 153 W	RECP		540 720		RECP	RECP - C104 W	20	1	22	
	23	1	20	SPARE	RECP			720	RECP	RECP - C104 E	20	1	24	
	25	1	20	RECP - 154 W	RECP	540 900			RECP	RECP - C105,C106	20	1	26	
	27	1	20	SPARE	RECP				RECP	SPARE	20	1	28	
	29	1	20	RECP - 155 W	RECP			540	RECP	SPARE	20	1	30	
	31	1	20	SPARE	RECP	360			RECP	RECP - 143	20	1	32	
	33	1	20	RECP - 151 S	RECP		540 720		RECP	RECP - 144 S	20	1	34	
	35	1	20	RECP - JC & FLEX 144	RECP			900		SPARE	20	1	36	
	37	1	20	SPARE			ASI-089			SPARE	20	1	38	
	39	1	20	SPARE			1600		MOTR	CAC-2	20	2	40	
	41	1	20	SPARE				1600	MOTR	^^	20	2	42	
				TOTAL V-A		7224	6890	7505		21,079 VA				
				TOTAL AMPS		60	57	63		60 A				

AIC RATING: 10,000

	LTG	RECP	MOTR	LG MT	MISC	KIT	HEAT	SPEC	TOTAL	AMPS
CONNECTED LOAD IN KVA (THIS PANEL):	0.00	13.14	4.81	0.80	0.00	0.00	1.30	0.00	19.3 KVA	53 A
CONNECTED LOAD IN KVA (BRANCH PANELS):	2.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.4 KVA	7 A
TOTAL CONNECTED LOAD IN KVA:	2.43	13.14	4.81	0.80	0.00	0.00	1.30	0.00	21.7 KVA	60 A
DEMAND LOAD IN KVA:	3.03	11.57	4.81	0.80	0.00	0.00	1.30	0.00	21.5 KVA	60 A

PANEL NOTES:
a PROVIDE 30mA, EPD TYPE GFCI BREAKER FOR CIRCUIT INDICATED
b
c
d
e

PANEL OPTIONS:
MAIN LUGS ONLY

PROJECT NO. 11-310-9507

CITY OF VALDEZ

VALDEZ MIDDLE SCHOOL

VALDEZ, ALASKA

BETTISWORTH NORTH
ARCHITECTS AND PLANNERS

4/28/15

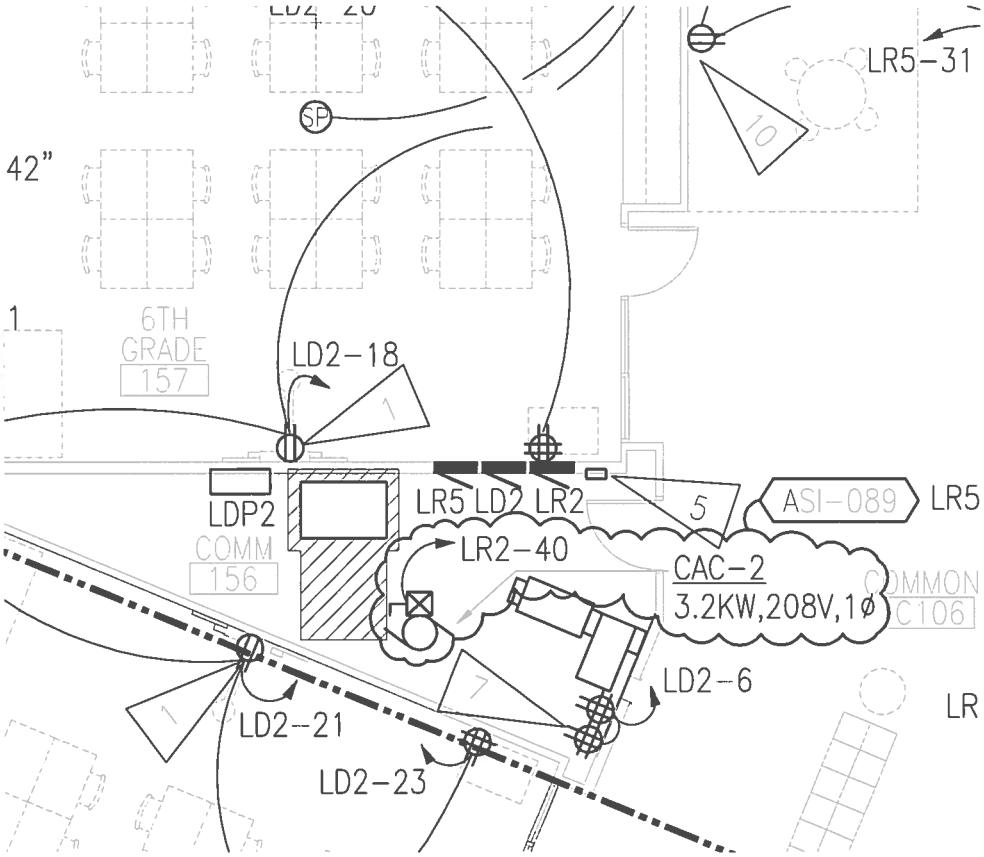
ASI-089

2600 DENALI STREET SUITE 710 ANCHORAGE, ALASKA 99503 (907) 561-5780
212 FRONT STREET FAIRBANKS, ALASKA 99701 (907) 456-5780
WWW. BETTISWORTHNORTH.COM

SKE-34

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

1" ACTUAL



1 REVISED POWER PLAN - 148

1/8" = 1'-0"

RE: 1/E302

PROJECT NO. 11-310-9507

CITY OF VALDEZ

VALDEZ MIDDLE SCHOOL

VALDEZ, ALASKA

BETTISWORTH NORTH
ARCHITECTS AND PLANNERS

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212 FRONT STREET FAIRBANKS, ALASKA 99701 (907) 456-5780
WWW. BETTISWORTHNORTH.COM

4/28/15

ASI-089

SKE-33

76704000

ASI-089	COST EACH UNIT	UNIT OR LABOR HRS	QTY	MATERIAL OR UNIT COSTS	LABOR HRS
Copper piping	$201.22	18.29	1	$201.22	18.29
	$0.00	0.00	0	$0.00	0.00
	$0.00	0.00	0	$0.00	0.00
	$0.00	0.00	0	$0.00	0.00
	$0.00	0.00	0	$0.00	0.00
	$0.00	0.00	0	$0.00	0.00
	$0.00	0.00	0	$0.00	0.00
	$0.00	0.00	0	$0.00	0.00
Freight estimated	$500.00	0.00	0	$0.00	0.00
Additional mandays @ $125 per 10 hr.	$125.00	2.00	1	$250.00	0.00
Airfares estimated	$1,000.00	1.00	1	$1,000.00	1.00
	$0.00	0.00	0	$0.00	0.00
UNIT AND MATERIAL SUM @ COST				$1,451.22	
LABOR HOURS TOTAL					19.29
LABOR COSTS @ $ 117.00 FLAT RATE O.T. INCLUDED					$2,256.93
SUBTOTAL MANTECH LABOR & MATERIAL @ 1.00%	$3,708.15				
SUBCONTRACTOR 1 @ COST - HH Sheet Metal	$26,275.80				
SUBCONTRACTOR 1 @ allowable mark up	$28,597.85				
SUBCONTRACTOR 2 @ COST - Meridian	$4,614.00				
SUBCONTRACTOR 2 @ allowable mark up	$5,155.00				
SUBCONTRACTOR 3 @ COST	$0.00				
SUBCONTRACTOR 3 @ allowable mark up	$0.00				
SUBCONTRACTOR TOTAL @ COST	$30,889.80				
SUBTOTAL @ COST: Subcontractor, Labor, Material	$34,597.95				
SUBCONTRACTOR SUBTOTAL @ allowable mark up	$33,752.85				
SUBCONTRACTOR @ MANTECH ALLOWED 1.10%	$37,128.14				
MANTECH MATERIAL @ 1.12%	1625.37				
TOTAL LABOR	$2,256.93				
TOTAL OF PROPOSED CHANGE ORDER	$41,010.43				

17464000

COPPER PRICING UPDATED 10-1-13	UNIT COST	UNIT LABOR	QTY	MAT	LABOR
3/4 "L"	2.31	0.06	70	161.70	4.20
3/4"COP. LOOP HANGER	2.13	0.75	12	25.56	9.00
3/4" SWT 90	1.42	0.54	8	11.36	4.32
3/4"SWT T	2.60	0.77	1	2.60	0.77
				0.00	0.00
				201.22	18.29

H and H SHEET METAL, INC.
435 S. ROSE DRIVE
PALMER, ALASKA 99645
PH. 907 745 4233
FX. 907 745 4234
erv@handhsheetmetal.com

April 29, 2015

Valdez Middle

Att: Brian Ulz
Re: ASI-089

Cost proposal for the HVAC portion of the tasks detailed and described in ASI-089.

Materials and Equipment:	$ 15,475.80
@ 15%	2,321.25
Labor	10,800.00
Total this proposal	$ 28,597.85

Inclusions: As per our original contract with the following task specific items. CAC-2, duct work as detailed and described, GRD's, freight to job site, meals and lodging.

Exclusions: As per our original contract with the following task specific items. Removal and reinstallation of any obstructions as needed to accomplish the required tasks.

CAC-2 is available within 3 weeks of receipt of order.

Sincerely,

Ervin E Hoppe

Meridian Systems
We Make Buildings Smarter

5/4/2015

To: **Brian Ulz**
Mantech Mechanical

RE: **Proposal for Valdez Middle School ASI 089 Comm. Room Modifications**
Valdez, Alaska

Brian,

Thank you for the opportunity to provide a proposal for this project. Based on the ASI 089 documentation, I have prepared the following proposal:

General Clarifications:

- We will be providing relocation of the existing thermostat in Comm. Room 203. Also, we will be providing a new Direct Digital Controls thermostat to monitor temperature in Comm. Room 156 similar to Comm. Room 203. For the new CAC unit we will be providing wiring of the factory provided controls.

Inclusions:

1. Pricing includes necessary devices, programming, and checkout of the control system.
2. Control system installation, wiring, and conduit (where required) of all devices provided by Meridian Systems. The control system will be installed in accordance with National Electrical Code requirements.
3. Wiring of factory provided AC Unit Controls.
4. Freight FOB Jobsite.
5. Travel & Subsistence.
6. Please note that if invoice payments are paid by credit card there will be a 5% additional fee assessed to cover credit card transaction and processing costs.

info@msicontrols.com
www.msicontrols.com
200 W 34th Ave. #969 Anchorage, AK 99503
907-279-3320

Exclusions:

1. Installation of sensor wells or provision and installation of taps.
2. Testing or balancing of any hydronic, steam, or air systems.
3. Installation of control valves.
4. Provision or installation of dampers.
5. Provision or Installation of air or liquid thermometers and pressure gauges.
6. Provision or installation of duct smoke detectors.
7. Any and all interlock wiring of Air Conditioning Units.

Our proposal for this scope of work is $5,155. Attached, please find a proposed point summary and cost breakdown for the project. Thank you and please contact me if you have any questions or if I can be of any further assistance.

Sincerely,

Jessi E. Cherry
Meridian Systems
An Employee Owned Company

Meridian Systems
We Make Buildings Smarter

Valdez Middle School ASI 089 CAC Unit Mods

Proposal Date: 5/4/2015

Material & Freight

Part Number	Description	Net @	Qty	Net Cost
ALC/10K-2-R-CG	Room Temperature sensor	$ 11.00	1	$11.00
			0	$0.00
			0	$0.00
			0	$0.00
			0	$0.00
			0	$0.00
			0	$0.00
			0	$0.00
			0	$0.00
			0	$0.00
			0	$0.00
			0	$0.00
			0	$0.00
			0	$0.00
			0	$0.00
			0	$0.00
			0	$0.00
			Net Material Cost	**$ 11.00**
			Freight	**$ -**
			Total Material Cost	**$ 11.00**

Meridian Systems Labor

Description	Hours	Rate/Hr	Total
Installation & Panel Fabrication	1	$ 140.00	$ 140.00
Planning & System Layout	5	$ 140.00	$ 700.00
Programming	2	$ 140.00	$ 280.00
Start-Up	2	$ 140.00	$ 280.00
Training	0	$ 140.00	$ -
Material Handling	0	$ 65.00	$ -
		Total Meridian Systems Labor	**$ 1,400.00**

Other Costs

Other Costs	**$ -**

Subcontractor

Electrical Installation	$ 2,119.00
Other Subcontract	$ -
OH/Profit	$ 530.00
Total Subcontract	**$ 2,649.00**

Network Interface

Network Interface	**$ -**

Travel & Subsistance

Travel & Subsistance	**$ 1,095.00**

Total

Total Project	**$ 5,155.00**

info@msicontrols.com
www.msicontrols.com
T 907-279-3320

Confidential
Proposal Valid for 90 days.

200 W 34th #969,
Anchorage, AK 99503
F 907-279-2369

Kevin Urien

From: Crandall, Kent <Kent.Crandall@arcadis-us.com>
Sent: Friday, July 24, 2015 4:49 PM
To: Kevin Urien
Cc: Jon Denton (jdenton@bettisworthnorth.com)
Subject: VMS Com Rooms and Shed

I met with Jim N and Todd W. They want to move ahead with com room using contractor contingency. Not going to City Council. A couple of caveats: they want the AC unit replaced due to poor workmanship (from manufacturer), leaks, there are bulges in the copper piping, etc. and they are concerned about schedule/keeping IT equipment running while work is underway.
The shed is going to next city council meeting for approval.

Kent Crandall, AIA | Senior Project Manager | kent.crandall@arcadis-us.com

ARCADIS U.S., Inc. | 880 H Street, Suite 101 | Anchorage, AK 99501
T. 907.276.8095 | M. 907.244.3689
www.arcadis-us.com

ARCADIS, Imagine the result

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MEGA WATT
•ELECTRIC•

510 W. Fireweed Lane Anchorage, Alaska 99503
Phone (907) 277-6002 Fax (907) 277-6003

ASI-089 Proposal

5/4/2015

Dawson Construction Inc.
P.O. Box 30920
405 32nd Street Suite 110
Bellingham, WA 98225

Attention: Kevin Urien
Subject: Electrical Associated with ASI-089

TOTAL.....$5,329.00

Included:

1. Electrical work associated with ASI-089
2. Room and Board.
3. Travel time for 1 trip to Valdez.

Excluded:

1. Permit fees or engineering.
2. Mounting or buying CUC units.
3. Controls for the units.
4. Commissioning or start up.

Sincerely,

Ed Harris, Megawatt Electric LLC

Megawatt Electric LLC
Valdez middle ASI-089 CAC-2
Job Number: 220168732
Extension By Phase

Item #	Description	Quantity	Price	U	Ext Price	Labor H	U	Ext Lab H
	--- 16117 Branch Rough-in 1/2 - 1 ---							
1011	3/4" EMT (Difficult)	30	36.28	C	10.88	3.53	C	1.06
1144	3/4" Liquidtight (metallic)	4	111.45	C	4.46	2.00	C	0.08
1490	3/4" Compression Steel Connector	2	101.76	C	2.04	0.13	E	0.26
1570	3/4" Compression Steel Coupling	3	111.49	C	3.34	0.14	E	0.42
1929	3/4" 90D LT Flex Conn w/Ins Throat	2	742.18	C	14.84	0.23	E	0.46
2350	3/4" 1-Hole Strap	4	10.87	C	0.41	2.29	C	0.09
T0001	Relocate CAC-1	1	125.00	E	125.00	4.00	E	4.00
	--- 16117 Branch Rough-in 1/2 - 1 Total ---				160.97			6.37
	--- 16129 Branch Wire #8 and Smaller ---							
2674	#10 THHN CU Stranded Wire	144	161.02	M	23.19	6.00	M	0.86
	--- 16129 Branch Wire #8 and Smaller Total --				23.19			0.86
	--- 16400 Service & Distribution ---							
3321	20A 250V RK5 Time Delay Fuse	3	3.47	E	10.41	0.05	E	0.15
3956	20A 2P 120/240V Bolt-On Circuit Breaker	1	24.60	E	24.60	0.50	E	0.50
CAC2	Sz 1/240V Fusible Combo Starter-Nema 1	1	QUOTE	2	0.00	4.00	E	4.00
	--- 16400 Service & Distribution Total ---				35.01			4.65
	Job Total				219.17			11.88

* Target, Labor column 2

Valdez middle ASI-089 CAC-2

Totals (Detailed) - Bid Summary: Default

Job Number	220168732
Bid Date	5/4/2015
Bid Time	10:55:00 AM
Square Footage	0

Material Totals

Division	Total	Factor	Extended
16117 Branch Rough-in 1/2 - 1	$160.97	0.00 %	$160.97
16129 Branch Wire #8 and Smaller	23.19	0.00 %	23.19
16400 Service & Distribution	35.01	0.00 %	35.01
Total	$219.17		**$219.17**

Quoted Material

CAC2 - Sz 1/240V Fusible Combo Starter-Nema 1	1.00	$0.00	$0.00
2 - Distribution (North Coast)			1,306.00
Total			**$1,306.00**
Sales Tax (0.00%)			**$0.00**
Total Material			**$1,525.17**

Labor Hours

Division	Total	Factor	Extended
16117 Branch Rough-in 1/2 - 1	6.37	0.00 %	6.37
16129 Branch Wire #8 and Smaller	0.86	0.00 %	0.86
16400 Service & Distribution	4.65	0.00 %	4.65
Total	11.88		**11.88**

Labor Rates

Category	% of Total	Hours	Base Rate	Burden $	Burden %	Extended
Electrician	100.000	11.880	$46.60	25.63	55.000	$858.09
Total	100.000	11.880	x $72.23 (average of labor rate w/burden) =			**$858.09**

Non-Productive Labor

Description	Hours	Rate	Factor	Extended
01302 - Travel Time	16.00	$72.23	0.00 %	$1,155.68
Total				**$1,155.68**
Total Labor				**$2,013.77**

Direct Job Expenses	
Description	Total
01611 - Comsumables (2-3% of Labor)	$5.00
01614 - Small Tools (2% of Labor)	5.00
Overtime Costs - Difference between Str. Time & OT	147.00
01302 - Room, Board & Air Fare	621.00
01305 - Fuel	250.00
Insurance, Assets, Expidite	191.00
Total	**$1,219.00**
Job Subtotal (Prime Cost)	**$4,757.94**
Overhead (12.00%)	**570.95**
Profit (0.00%)	**0.00**
Job Total	**$5,328.89**
Actual Bid Price	**$5,329.00**
Material to Direct Labor ratio: 0.64	
Prime Cost per square foot	**$0.00**
Job Total per square foot	**$0.00**
Actual Bid Price per square ft	**$0.00**
Labor cost per square foot	**$0.00**
Labor hours per square foot	**0.00**
Gross Profit %	**10.72**
Gross Profit $	**$571.06**
Net Profit %	**0.00**

SIEMENS

Proposal

To: MEGA WATT

From: NORTH COAST ELECTRIC
5410 Fairbanks St.
Anchorage, AK 995181260
USA

Tim O'Malley

Tel. No.: 907-550-6756
Fax No.: 907-563-5284
tomalley@ncelec.com

Job Name: VALDEZ MID SCHOOL
Quote Name: ASI-089
Quote #: omaltx10c_05041500_00_00_O00
Bid Date: 05/04/2015

Line #:	Qty	Description
1000	1	**CAC-2--NEMA Starter -17DUE92BF10** Combination, Fusible, Full Voltage Non-Reversing, Three Phase (3 Pole), Starter Size: 1, NEMA 1, Motor Voltage: 200 Volts, Max HP: 5 HP, Solid State, Coil Voltage: 120V 60HZ / 110VAC 50HZ, Overload Amp Rating: 10-40 Amps, Disconnect Amperage Rating: 30 Amps, Fuse Clip Size: 30A/250V, FC- Pilot Lite Red RUN, A3- Sel Switch HAND-OFF-AUTO, G11- Aux Contacts 1 NO & 1 NC, BT- CPT Std W/1 Sec 208Vx120V, SP2-Wire for 240V Single Ph. Catalog No.: TYZ:NEMASTARTER Requested Lead Time : 10 Working Days

Grand Total Sell Price $1,306.00

Notes: FFA VALDEZ

STANDARD TERMS AND CONDITIONS APPLYING TO ALL SALES

All sales by North Coast Electric Company (Seller) are expressly conditioned upon the terms and conditions set out below. Any additional or different terms or conditions in any previous or later communication from Purchaser, any course of dealing, or any custom; including but not limited to any purchase order, change order, or remittance advice; is hereby objected to by Seller. Terms additional or different from those set out in this document (except product descriptions, prices, and similar transaction specific terms) will have no force or effect unless set out in a written document, unequivocally expressing Seller's agreement to those terms, signed by a representative of Seller with authority to do so.

PRICES
Unless otherwise specifically agreed to in writing, all quotations shall expire thirty (30) days after issuance, and prices are subject to change at any time without notice. Prices do not include sales, use, excise, value added, or other taxes. Where applicable, such taxes shall be paid by Purchaser. References to "freight allowed" relate only to the specified items and quantities clearly so identified in a writing signed by Seller.

PAYMENT TERMS
Payment is required at the time of order or in advance of shipment unless Purchaser has submitted and Seller has approved an application for credit, associated credit agreement, and any required personal guaranties. Regardless of the existence of any other agreement, Seller may require full or partial payment, or other reasonable assurances of Purchaser's intent and ability to fully perform its obligations, as a condition of further performance if Seller has reasonable grounds to fear that Purchase may not fully perform its obligations. Unless otherwise agreed by Seller in writing, all payments on credit purchases are due on or before the 25th day of the month following the month of each purchase. To the extent allowed by Seller in its absolute discretion (normally by indication on an invoice), payment received on or before the 10th day of the month following the month of purchase may qualify for a discount. All amounts not paid on or before the due date will be deemed PAST DUE and shall accrue a finance charge of 1 1/2% per month or, if a lesser rate is required by law, the highest rate allowed by law. No payment by asserted offset or set-off shall be valid.

INVOICES
All invoices and monthly statements issued by Seller shall be conclusively deemed to be accurate except to the extent Purchaser notifies Seller of any error, in writing, within I0 days of receipt.

DELIVERY
Unless otherwise agreed in writing, all sales are made F.O.B. point of shipment with freight allowed to the common free delivery point nearest the destination, or a designated port for shipments overseas, within the continental United States. Title and risk of loss shall pass to Purchaser upon the earlier of Seller's delivery to Purchaser or receipt by the first carrier for transport to Purchaser. Purchaser is responsible for all aspects of unloading and storing of all materials upon delivery. Any shipping or delivery dates given by Seller are approximate; are provided only for the convenience of Purchaser; and are conditioned upon the prompt provision of all necessary information by Purchaser, the ready availability of raw materials and components, normal labor relations, and customary times for manufacture. Seller shall not be liable for any delay in delivery of any kind, regardless of cause or extent. All sales are contingent on the ability of Seller and its suppliers/manufacturers to secure associated products and raw materials.

WARRANTIES AND DISCLAIMERS
All sales are "as is." Materials sold by Seller are the products of others. Seller agrees to use reasonable efforts to help Purchaser obtain from each manufacturer, in accordance with each manufacturer's warranty, the repair or provision of replacement products, or components of products, that may prove defective in material or workmanship. That obligation shall constitute the sole obligation of Seller, and Purchaser's sole remedy against Seller, with respect to any defective or nonconforming materials. Except as to title, Seller makes NO WARRANTIES of any kind, express or implied. In particular, Seller makes NO WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR ANY PURPOSE, including any warranty of compliance with any plans or specifications.

LIMITATION OF LIABILITY
Seller shall not be liable to Purchaser or any other party for any consequential, incidental, or special damages of any kind, including but not limited to labor charges or lost profits, under any circumstances. In all events, Seller's maximum liability for all claims or set of related claims arising from a purchase shall be the purchase price of the materials found to be defective, non-conforming, or otherwise not provided in accordance with Seller's obligations. If only a replaceable component of any item is defective or non-conforming, Seller's liability is limited to the cost of a replacement or reasonably allocated portion of the purchase price of any relevant component part or parts, whichever is less.

CHANGES AND CANCELLATIONS

Any request by Purchaser to cancel all or any portion of an order, or for any changes of any kind, must be made in writing and will be effective only if evidenced by a written document, signed by an authorized representative of Seller, unequivocally evidencing an intent to accept the relevant cancelation or change. Acceptance of any requested cancellation or change is subject to Seller's absolute discretion and may be conditioned upon adjustment of prices, schedules, and other terms and/or upon the payment of one more restocking or other charges.

RETURNS
Materials considered by Seller to be stock items may be returned only in accordance with Seller's current Returned Goods Policy and upon payment of restocking changes. Specially manufactured goods may not be returned.

SUBMITTALS AND SHOP DRAWINGS
Seller may assist in the transmission of submittals, shop drawings, and/or other communications, between Purchaser and the appropriate manufacturer or others, as a convenience to Purchaser. Purchaser shall be fully responsible for the timeliness, accuracy, and appropriateness of all such communications. Seller shall have no liability or responsibility of any kind with respect to such communications. Without limiting the generality of this provision, Purchaser acknowledges that Seller has no responsibility to obtain review, approval, or correction of, or to assure that any materials conform to, any specifications, submittals, shop drawings, or other requirements.

DISPUTES
Regardless of legal theory, any claim against Seller must be brought in an appropriate court no later than one year (or the shortest time allowed by law if longer) after acceptance of the relevant materials. If any legal proceeding is brought to determine, interpret, or enforce any rights as between Seller and Purchaser, or in any other way relating to any sales made by Seller, the prevailing party shall be entitled to recover its reasonable attorneys' fees and related expenses of litigation (including, but not limited to, consultant and expert witness fees, charges for non-lawyer legal staff, investigator's charges, transcripts and other deposition expenses, the cost of title reports and asset searches, and travel expenses for witnesses and others) in amounts to be set by the court, in the trial court and on appeal, in addition to costs and disbursements allowed by law. The parties' relationships are controlled by, and all agreements are to be interpreted and enforced in accordance with, only the laws of the State of Washington, excluding any provisions regarding conflict of laws. Venue for any legal proceeding relating in any way to Seller or any sales made by Seller shall exclusively be King County, Washington.

FORCE MAJEURE
Seller shall not be liable for any loss, damage, or delay of any kind arising out of Seller's failure to perform of any kind to the extent caused by unavailability of materials or other circumstances beyond Seller's reasonable control.