



ADDENDUM NO. 1
Page 1 of 2

M028.02

FROM: Systems West Engineers, Inc.
411 High Street
Eugene, Oregon 97401

TO: All Plan Holders of Record

PROJECT: Eugene School District 4j
Buena Vista Spanish Immersion Elementary School
Electrical Distribution System Upgrade
C.I.P. Project No. 420.780.040

DATE: May 13, 2014

This addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated May 1, 2014 as noted below. Acknowledge receipt of this addendum in the space provided on the Quote Form. Failure to do so may subject the proposer to disqualification.

GENERAL

1. PRE-QUOTE CONFERENCE ATTENDANCE LIST: Attached
2. General. The District will be responsible for payment of any utility company charges associated with the project.

SPECIFICATIONS

SECTION 00 11 00 – Summary of Work

1. **ADD** 1.4.G. Provide continuous power to the Fire alarm system, Security system, Telephone system, Data system, and to lighting and receptacles in the main office. The existing facility generator may be used. The existing day tank capacity is approximately 75 gallons. Contractor is responsible for providing fuel for the generator during construction operations.

Section 26 05 26 – Grounding and Bonding for Electrical Systems

2. **ADD** 1.02.C. Contractor shall provide new service grounding.

Section 26 06 20 – Schedules for Low Voltage Electrical Distribution

3. Panel D schedule. **ADD** a 70/3 serving Panels H and F.

Section 26 24 13 - Switchboards

4. **ADD** 1.01.B. Copies of the switchboard purchase order are attached for reference.

Section 26 28 16 – Overcurrent Protective Devices

5. **ADD** to 2.02.A.8. Owner will furnish handle-ties to be installed by Contractor.
6. **ADD** 2.02.A.10. Reinstall any existing padlocking clips from existing panels.

DRAWINGS

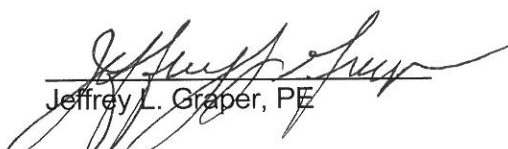
Sheet E-121 – Power Distribution Plan

7. **CHANGE** the reference note associated with Panel A to number 4.

Sheet E-601 – One Line Diagram

8. **CHANGE** the reference note associated with Panel A feeder to number 2.

END OF ADDENDUM NO. 1


Jeffrey L. Graper, PE

JLG:kaa

Enclosures: Pre-quote bid Conference Attendance List
Switchboard Purchase Order

PRE-QUOTE MEETING ATTENDANCE LIST

SYSTEMS WEST ENGINEERS, INC.
 411 high street
 eugene, oregon 97401-2427
 phone: 541.342.7210
 fax: 541.342.7220
 systemswestengineers.com



Project	Buena Vista Elementary Electrical Upgrade	SWE No.	M028.02
Location	Buena Vista Elementary School, Eugene, Oregon	Date	May 8, 2014

Name	Company	Phone #	E-mail Address
Chris Leturno	Superior Electric	541-556-4913	
Gary Clark	Baldwin Const	541-926-2719	
John Gilder	Contractors Elect.	541-554-7522	
Scott Lister	Triton Electric	541-484-9800	tritonelectric@comcast.net
Don Horton	HCH Mechanical	541-852-1289	DonH@EHomeComfort.com
MANUEL RODRIGUEZ	KUNERT ELECTRIC	541-672-3337	KUNERT@KUNERT-1.COM
Jeff Brown	Contractors Electric	541-343-2222	Jeff@C-elec.com
MIKE PLATZ	REYNOLDS ELECTRIC	541-343-7297	MIKE@REYNOLDS-ELECTRIC.COM
Tony Phifer	Reynolds Electric	541-343-7297	tony@reynoldselectric.com
ROB BELLMAN	OREGON ELECTRIC GROUP	541-747-0811	robert.bellman@oregon-electric.com
TED HOSGOOD	CENTRAL ELECTRICAL SERVICES	541-459-3081	CENTRAL.ZNC@LZVE.COM
CURT FALKOSKE	KRONBERG ELECTRIC	541-923-4664	ROB@KRONBERG-ELECTRIC.COM
Robert Ford	Doug Palmer Elect.	541-434-5600	Bob-DPE@comcast.net

Internal Quotation



Phone: ()- Fax: ()-

Project Name: MDP FOR BUENA VISTA - 4J SCHOOLS Project Location: EUGENE Customer Name: Q2C Number: 34641942 Quote Number: 1	Accessories Fuses NOT Included Overloads NOT Included Lamps NOT Included Lug Kits NOT Included
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Item Number	Quantity	Catalog Number / Details	Unit Price	Extended Price
001-00	1	Designation: MDP Square D Standard Swbd QED Switchboard Square D Standard Swbd Designed and Tested in accordance with: UL 891/NATIONAL ELECTRIC CODE/NEMA PB-2 System Voltage - 208Y/120V 3Ph 4W 60Hz Source Description - Single Main System Ampacity - 800A Bussing - Silver Plated Copper Neutral Bus - 100% Max Available Fault Current (RMS) - 42kA Enclosure - Type 1 Accessibility: Front Only Equipment Nameplate Black Surface/White Letters, Screw-on (Factory Installed) Rodent Barrier Exterior Paint Color - ANSI 49 Ground Lug provided for each device Mimic Nameplate - Power Flow Metal Copper Ground Bus Lineup 1 BTU: 7979 Dimensions ----- 1 - 36" Wide Section(s) 1 - 42" Wide Section(s) 2 - 24" Deep Enclosure(s) Dimensions: 78.00" W X 24" Max D X 91.5" H Approximate Weight: 1777.00 Incoming Requirements ----- Suitable for Use As Service Entrance Entry Point: Left of Lineup, Through the Top Connection Type: Cable Incoming Lug Type: Aluminum Compression Lug/Aluminum or Copper Cable Surge Arrestor SPD with Surge Rating 160kA SPD Dry Contacts Includes Surge Counter Hot Sequence Utility: NEMA Standard Design Power Meter - PM-870RD 3 CTs PM870 w/ Display - 3 phase 4 wire wye 800A Ethernet Communications Card Mains ----- 1 - 800AT 208V 80% Rated 65 kA 3 Pole UL, Fixed Mounted Basic Electronic Trip Circuit Breaker: Type PG Padlock Attachment Nameplate - Black Surface / White Letters, Screw-on (Factory Installed) Feeders ----- 2 - 150AT 208V 80% Rated 65 kA 3 Pole UL		

Internal Quotation



Phone: ()- Fax: ()-

Project Name: MDP FOR BUENA VISTA - 4J SCHOOLS
Project Location: EUGENE
Customer Name:
Q2C Number: 34641942
Quote Number: 1

Accessories
 Fuses NOT Included
 Overloads NOT Included
 Lamps NOT Included
 Lug Kits NOT Included

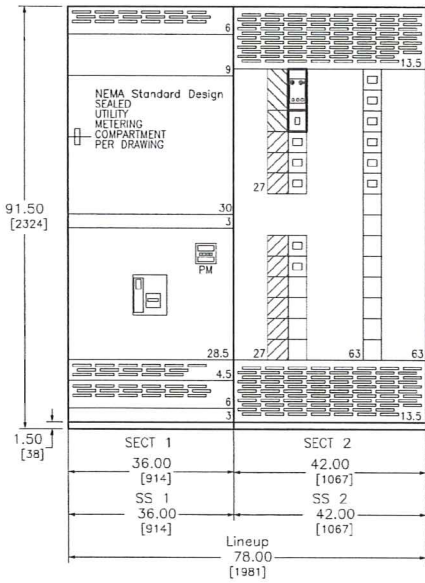
Item Number	Quantity	Catalog Number / Details	Unit Price	Extended Price
		2 - 100AT 208V 80% Rated 65 kA 3 Pole UL, Group Mounted Thermal Magnetic Circuit Breaker: Type HG 1 - 125AT 208V 80% Rated 65 kA 3 Pole UL, Group Mounted Thermal Magnetic Circuit Breaker: Type HG 1 - 175AT 208V 80% Rated 65 kA 3 Pole UL, Group Mounted Thermal Magnetic Circuit Breaker: Type JG 4 - 100AT 208V 80% Rated 65 kA 3 Pole UL, Group Mounted Thermal Magnetic Circuit Breaker: Type HG 1 - 225AT 208V 80% Rated 65 kA 3 Pole UL, Group Mounted Thermal Magnetic Circuit Breaker: Type JG 1 - 50AT 208V 80% Rated 65 kA 3 Pole UL, Group Mounted Thermal Magnetic Circuit Breaker: Type HG 1 - 200AT 208V 80% Rated 65 kA 3 Pole UL, Group Mounted Thermal Magnetic Circuit Breaker: Type JG Common Feeder Features: Padlock Attachment Load Lug Type: Aluminum Compression Lug/Aluminum or Copper Cable Nameplate - Black Surface / White Letters, Screw-on (Factory Installed)		

Estimated Ship Days (ARO): 30 Working Days

REV	DESCRIPTION	BY	DATE						
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T-bus
19.5 in

T-bus
19.5 in



SWITCHBOARD GENERAL NOTES
PRODUCT DESCRIPTION & RATINGS

Power System Data

208Y/120V 3Ph 4W 60Hz / 3 Phase Wye
Solidly Grounded
System Short Circuit Current Rating: 42kA RMS
Incoming Section 1 Cable Through the Top Left of Lineup

Bus System Data

800A Silver Plated Copper Main Bus
(2) .25x1.50 IN/6x38 mm Cu Bus Bar Per Phase/Neutral
(1) .25x.875 IN/6x22 mm Cu Ground Bus

Enclosure Data

Type 1 Free Standing
Exterior Paint Color: ANSI 49
Front Accessibility Only Required
Handling: Rollers & Lifting Assemblies
Rodent barriers
Mimic Bus: Power Flow Metal Nameplate
Nameplate Mounting Type: Screw-on (Factory Installed)
Equipment Nameplate: Black Surface/White Letters
Device Nameplate: Black Surface / White Letters
Utility sealing hardware installed for unmetred bus compartments

Estimated Shipping Weight

Shipping Split 1 917.00 lbs / 415.95 kgs
Shipping Split 2 860.00 lbs / 390.10 kgs
Complete Lineup 1777.00 lbs / 806.05 kgs

Code Standards

U.L. Deadfront and suitable for use as Service Entrance when not more than six (6) disconnecting means are provided.

Rating Nameplates

SI1- Service Entrance - Section Bus 800A
SI2- Deadfront- Section Bus 800A

PRODUCT INFORMATION

Wiring

All wiring to be Machine Tool Wire type

Instruction Bulletins

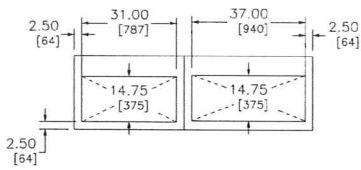
Reference 80043-055 For Handling, Installation, Anchoring, Inspection And Maintenance Information

Product Accessories/Options

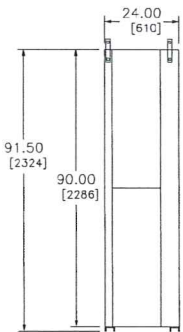
ENGLISH DIMENSIONS: INCHES

JOB NAME:	MDP FOR BUENA VISTA - 4J SCHOOLS	EQUIPMENT DESIGNATION:	MDP
JOB LOCATION:	EUGENE OR	EQUIPMENT TYPE:	OED Switchboard
DRAWN BY:	(QZC)	DRAWING TYPE:	ELEVATION VIEW
ENGR:			
DATE:	April 30 2014		
DRAWING STATUS:	QUOTE NOT FOR CONSTRUCTION	DWG#	F34641942-01

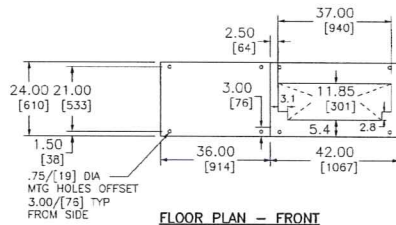
REV	DESCRIPTION	BY	DATE						
-	-	-	-	-	-	-	-	-	-



TOP VIEW - FRONT



LEFT SIDE VIEW

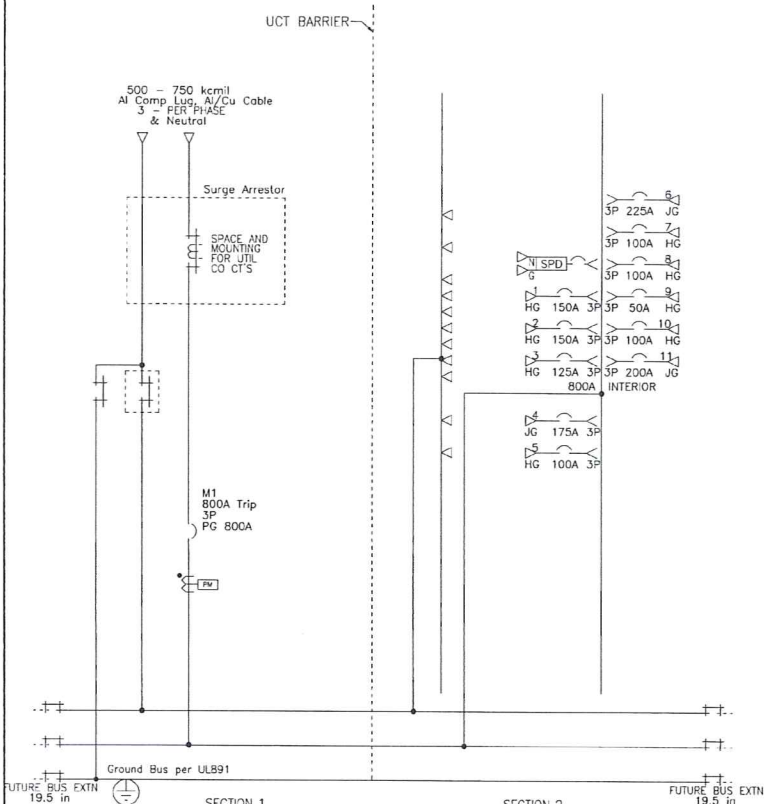


FLOOR PLAN - FRONT

ENGLISH DIMENSIONS: INCHES

JOB NAME:	MDP FOR BUENA VISTA - 4J SCHOOLS	EQUIPMENT DESIGNATION:	MDP
JOB LOCATION:	EUGENE OR	EQUIPMENT TYPE:	QED Switchboard
DRAWN BY:	(02C)	DRAWING TYPE:	SIDE, TOP VIEW & FLOOR PLAN
ENGR:			
DATE:	April 30 2014		
DRAWING STATUS:	QUOTE NOT FOR CONSTRUCTION	DWG#	F34641942-01

REV	DESCRIPTION	BY	DATE						
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JOB NAME:	MDP FOR BUENA VISTA - 4J SCHOOLS	EQUIPMENT DESIGNATION:	MDP
JOB LOCATION:	EUGENE OR	EQUIPMENT TYPE:	CED Switchboard
DRAWN BY:	(G2C)	DRAWING TYPE:	ONE LINE
ENGR:			
DATE:	April 30 2014		
DRAWING STATUS:	QUOTE	DWG#	034641942-01
			PG 1 OF 2 REV -

REV	DESCRIPTION	BY	DATE								
-	-	-	-	-	-	-	-	-	-	-	-

POWER STYLE QED-2 SWITCHBOARD

SECT NO	CKT NO	GMD HEIGHT	DEVICE/FRAME RATING	TRIP AMP	FUSE/TRIP	#P	DESIGNATION	N/P	LUG INFORMATION				ACCESSORIES
									QTY	PHASE WIRE RANGE	QTY	NEUT. WIRE RANGE	
1	-	-	Surge Arrester	-	-	-	-	-	-	-	-	-	SDSA
1	UCT	-	800A	-	-	-	NEMA Standard Design	No	3	500 - 750 kcmil	3	500 - 750 kcmil	
1	M1	-	PG 800A	800A	-	3P	MAIN BREAKER	Yes	-	3/0 - 500 kcmil	-	3/0 - 500 kcmil	PLA
2	-	13.5 in	160KA SPD	-	-	-	-	-	-	-	-	-	SPD
2	1	4.5 in	HG	150A	-	3P	PANEL A	Yes	1	#6 - #2 AWG	1	4/0 - 500kcmil	PLA,CL(AI)
2	2	4.5 in	HG	150A	-	3P	PANEL B	Yes	1	#6 - #2 AWG	1	4/0 - 500kcmil	PLA,CL(AI)
2	3	4.5 in	HG	125A	-	3P	PANEL C	Yes	1	#6 - #2 AWG	1	4/0 - 500kcmil	PLA,CL(AI)
2	4	4.5 in	JG	175A	-	3P	PANEL D	Yes	1	1/0 - 3/0 AWG	1	4/0 - 500kcmil	PLA,CL(AI)
2	5	4.5 in	HG	100A	-	3P	PANEL G	Yes	1	#6 - #2 AWG	1	#8 - 1/0 AWG	PLA,CL(AI)
2	6	4.5 in	JG	225A	-	3P	PANEL K	Yes	1	3/0 - 350 kcmil	1	4/0 - 500kcmil	PLA,CL(AI)
2	7	4.5 in	HG	100A	-	3P	PANEL AA	Yes	1	#6 - #2 AWG	1	#8 - 1/0 AWG	PLA,CL(AI)
2	8	4.5 in	HG	100A	-	3P	PANEL DD	Yes	1	#6 - #2 AWG	1	#8 - 1/0 AWG	PLA,CL(AI)
2	9	4.5 in	HG	50A	-	3P	KILN	Yes	1	#1 - 4/0 AWG	1	#8 - 1/0 AWG	PLA,CL(AI)
2	10	4.5 in	HG	100A	-	3P	GENERATOR FEED	Yes	1	#6 - #2 AWG	1	#8 - 1/0 AWG	PLA,CL(AI)
2	11	4.5 in	JG	200A	-	3P	(SPARE)	Yes	1	3/0 - 350 kcmil	1	4/0 - 500kcmil	PLA,CL(AI)

LEGEND	
CL(AI)	Aluminum Compression Lugs
ECC	ETHERNET COMMS CARD
PLA	Padlock Attachment-Fixed
PMB70	PMB70
SDSA	Secondary Surge Arrester
SPD	Surge Protection Device

JOB NAME:	MDP FOR BUENA VISTA - 4J SCHOOLS	EQUIPMENT DESIGNATION:	MDP
JOB LOCATION:	EUGENE OR	EQUIPMENT TYPE:	QED Switchboard
DRAWN BY:	(QZC)	DRAWING TYPE:	SCHEDULE
DATE:	April 30 2014		
DRAWING STATUS:	QUOTE	DWG#	034641942-01
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		CF	2
		REV	-