



ADDENDUM NO. 1 - OUTLINE AND SUMMARY INFORMATION

Project Name: Stadium Self-Check In Trailer Bldg Rel. (Perm. Elec. Serv.) PPA No.: 21-0139
Location: Montana State University - Bozeman Date: 3/21/23
Owner: State of Montana, MSU - Bozeman
Plew Building 6th and Grant, PO Box 172760
Bozeman, Montana 59717-2760

To: *All Plan Holders of Record*

*The Plans and Specification prepared by **GPD PC Consulting Engineers** dated **February 21, 2023** shall be clarified and added as follows. The bidder proposes to perform all the following clarifications or changes. It is understood that the Base Bid shall include any modification of Work or Additional Work that may be required by reason of the following change or clarifications.*

The Bidders are to acknowledge the receipt of this Addendum by inserting its number and date into their Bid Forms. Failure to acknowledge may subject the Bidder to disqualification and rejection of the bid. This Addendum forms part of the Contract Documents as if bound therein and modifies them as follows:

1. AMENDMENTS TO THE PROJECT MANUAL

- a. Invitation to Bid: Change bid date from March 21 at 2:00 pm to March 28 at 1:00 pm.

2. AMENDMENTS TO THE DRAWINGS

- a. Sheet E2.0, Detail 1, Enlarged Electrical Site Plan: Note that distance from utility company pad mounted transformer to meter base cannot exceed 10 feet. Coordinate exact location of transformer and service equipment with engineer, owner, and utility company prior to installation.
- b. Sheet E2.0, Detail 1, Enlarged Electrical Site Plan: Add (2) bollards on south side of utility company pad mounted transformer, coordinate proximity to transformer and door swing with utility company. Bollards shall be 6" steel, painted yellow and filled with concrete. Bollards shall be 72" long total length and stick out from ground 42" (30" buried and surrounded in 18" diameter of concrete).
- c. Sheet E2.0, Detail 2, Electrical One-Line Diagram: Conduit from pad mounted transformer to meter base will be provided by utility company, in addition to conductors.

3. AMENDMENTS TO EQUIPMENT INFORMATION

- a. N/A

4. PRE-BID MEETING INFORMATION

- a. Documents have been submitted to the City of Bozeman for plan review. MSU will pay review fees and the contractor is responsible for paying all permit fees.
- b. Electrical contractor shall get permit information to Northwestern Energy as soon as possible and install meter base and panelboard prior to Northwestern Energy installing pad mounted transformer. Contractor's work can begin as soon as project is awarded.
- c. Contractors attending pre-bid meeting: Eric Goroski of Liberty Electric.

5. PRIOR APPROVALS

- a. N/A

6. ATTACHMENTS

- a. Attached are the cut-sheets for the owner provided equipment consisting of electrical meter base, electrical panelboard, and surge protective device.



MILBANK
ENERGY AT WORK

U2120-X



Catalog Number	U2120-X
Marketing Product Description	7 Terminal Ringless Large Closing Plate Lever Bypass Side Bussed
UPC	784572134669
Length (IN)	6.5
Width (IN)	17.75
Height (IN)	31.75
Brand Name	Milbank
Type	Ringless Meter Socket
Application	Meter Socket
Standard	UL Listed;Type 3R
Voltage Rating	600 Volts Alternating Current
Amperage Rating	320 Continuous Ampere
Phase	3 Phase
Frequency Rating	60 Hertz
Size	6.5L x 17.75W x 31.75H
Number Of Cutouts	0
Cutout Size	No Main Breaker
Cable Entry	Overhead and Underground and Side Wireway
Terminal	3/8 Inch Stud
Insulation	Glass Polyester
Mounting	Surface Mount

Enclosure	G90 Galvanized Steel with Powder Coat Finish
Jaw Quantity	7 Terminal
Bypass Type	Lever Bypass
Number of Meter Positions	1 Position
Equipment Ground	Grounding Stud
Hub Opening	Large Closing Plate
Number Of Receptacles	0

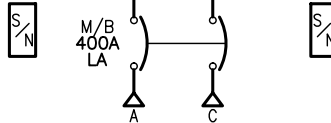
Please consult serving utility for their requirements prior to ordering or installing, as specifications and approvals vary by utility and may require local electrical inspector approval. All installations must be installed by a licensed electrician and must comply with all national and local codes, laws and regulations. Milbank reserves the right to make changes in specifications and features shown without notice or obligation.

Seq #	Qty	Product Description
1	1	<p>Designation :</p> <p>Product Details:</p> <p>1 - NQ MB Panel (INTERIOR)-NQ Panelboard Consisting of 120/240V 1Ph 3W 60Hz SCCR: 22kA Fully Rated Suitable For Use As Service Entrance UL Single Main: 400A/2P LA Circuit Breaker Incoming Conductors: 1 - #1 - 600,(2)#1 - 250 kcmil AL Ground Bar Bus: 400A Rated Aluminum: Tin Plated 30 Circuit Interior Type 3R/5/12Box: 62H x 20W x 6.5D Incoming: Bottom Trim w/ Box Box Cat No: MH62WP Ref. Drawing: PBA711 Feeders: 4 - 100A/2P QOB-VH 2 - 60A/2P QOB-VH 2 - 30A/2P QOB-VH 1 - 20A/2P QOB-VH 6 - 20A/1P QOB-VH 6 - 20A/1P QOB-VH Prepared Space Optional Features: Standard Panel (Box Ahead),Standard Solid Neutral,Standard Ground Bar 1 - MH62WP-PNLBD ENCLOSURE/BOX T-3R/12 62H 20W</p>

Estimated days to ship, excluding transit: 30 working days after customer release to manufacturer. See Conditions of Sale.

REV	DESCRIPTION	BY	DATE				
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CKT NO	ACCESSORIES	TYPE	RATING AMP/P		RATING AMP/P	TYPE	ACCESSORIES	CKT NO	
1		QOB-VH	100/2		100/2	QOB-VH		2	
3									4
5		QOB-VH	100/2			100/2	QOB-VH		6
7									8
9		QOB-VH	60/2			60/2	QOB-VH		10
11									12
13		QOB-VH	30/2			30/2	QOB-VH		14
15									16
17		QOB-VH	20/2			20/1	QOB-VH		18
19						20/1	QOB-VH		20
21		QOB-VH	20/1			20/1	QOB-VH		22
23		QOB-VH	20/1			20/1	QOB-VH		24
25	PREPARED SPACE	QOB-VH	20/1			20/1	QOB-VH	PREPARED SPACE	26
27	PREPARED SPACE	QOB-VH	20/1			20/1	QOB-VH	PREPARED SPACE	28
29	PREPARED SPACE	QOB-VH	20/1			20/1	QOB-VH	PREPARED SPACE	30



PHYSICAL DATA

UL Service Entrance
ENCLOSURE Type 3R/5/12
FRONT CAT#: Trim w/Box
BOX CAT#: MH62WP

DIMENSIONS:
62"(1575mm)Hx20"(508mm)Wx6.5"(165mm)D

WIRE BENDING SPACE:
TOP - 12.25"(312)mm
BOTTOM - 15.43"(392)mm
SIDE - 5.9"(150)mm

PBA: 711

BUSSING: 400A RATED ALUMINUM BUS
Tin Plated

OPTIONAL FEATURES:
ALUMINUM SOLID NEUTRAL
ALUMINUM GROUND BAR

ELECTRICAL DATA

SYSTEM: 120/240V 1Ph 3W 60Hz
System Ampacity: 400A
22kA SYMS. SCCR
Fully Rated

MAIN: MAIN BREAKER LA 400A
Bottom FEED
42kA AIR
INCOMING CONDUCTORS(S) PER NEC, CEC, NOM:
Wire Bending Space:
Phase Lugs: 1 - #1 - 600, (2)#1 - 250 kcmil

-----BRANCH SUMMATION-----

4 - 100A/2P QOB-VH	2 - 60A/2P QOB-VH
2 - 30A/2P QOB-VH	1 - 20A/2P QOB-VH
6 - 20A/1P QOB-VH	6 - 20A/1P-PS QOB-VH

JOB NAME: MSU SMALL PROJECT	EQUIPMENT DESIGNATION:
JOB LOCATION:	EQUIPMENT TYPE: NQ (Circuit Breaker Type) PANEL 1 OF 1
DRAWN BY: (Q2C)	DRAWING TYPE: ONE LINE DIAGRAM
ENGR:	
DATE: December 20 2022	
DRAWING STATUS: QUOTE	DWG# OQ-3776410-107836553-01 PG 1 OF 1 REV -

Product data sheet

Specifications

SQUARE D



Surge protection device, Surgelogic, 36kA, 120/240 VAC, 1 phase, 3 wire, 25kA SCCR, NEMA 4X

SDSA1175

Product availability : Stock - Normally stocked in distribution facility

Price* : 95.68 USD

Main

Product	Surge protection device
Range	Surgelogic

Complementary

Surge Current	36 kA per phase
Voltage Rating	120/240 V AC
Number of Phases	1 phase
Wiring Configuration	3-wire
MCOV	150 V
Nominal Discharge Current	10 kA
SCCR	25 kA
Local Signalling	Status LED green normal operation
Height	2.25 in (57.15 mm)
Width	2.25 in (57.15 mm)
Depth	2.7 in (68.58 mm)
Cable length	24 in (609.60 mm)

Environment

Enclosure Rating	NEMA 4X
Enclosure Material	Black Plastic
Standards	UL 1449:ed. 4: type I NEC 285 CSA C22.2 No 8
Ambient Operating	149 °F (65 °C)

Ordering and shipping details

Category	08462-SURGE PROTECTION SDSA
Discount Schedule	DE1B
GTIN	785901210870
Returnability	Yes

* Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Country of origin	MX
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Packing Units

Unit Type of Package 1	PCE
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Number of Units in Package 1	1
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Package 1 Height	2.60 in (6.604 cm)
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Package 1 Width	2.70 in (6.858 cm)
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Package 1 Length	6.80 in (17.272 cm)
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Package 1 Weight	11.20 oz (317.515 g)
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Unit Type of Package 2	CAR
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Number of Units in Package 2	20
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Package 2 Height	7.40 in (18.796 cm)
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Package 2 Width	10.80 in (27.432 cm)
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Package 2 Length	13.10 in (33.274 cm)
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Package 2 Weight	14.46 lb(US) (6.559 kg)
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Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
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REACH Regulation	REACH Declaration
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EU RoHS Directive	Compliant EU RoHS Declaration
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Mercury free	Yes
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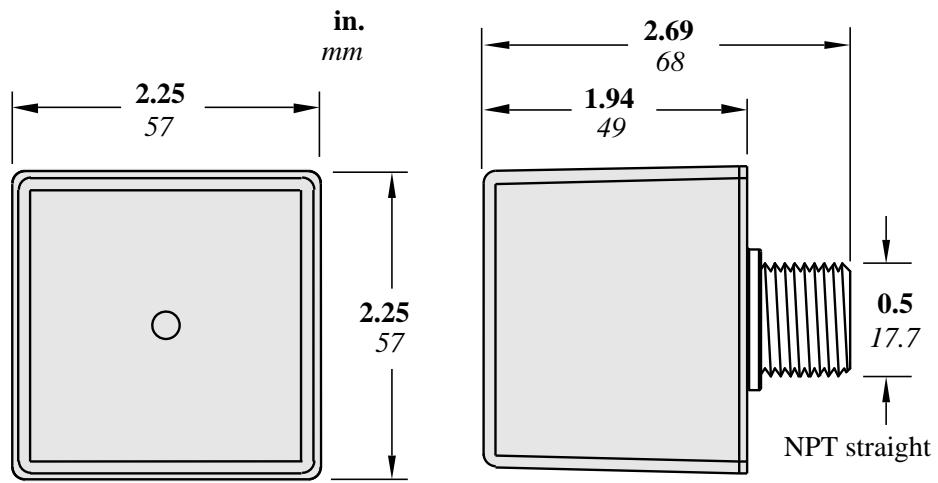
RoHS exemption information	Yes
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China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information.
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Contractual warranty

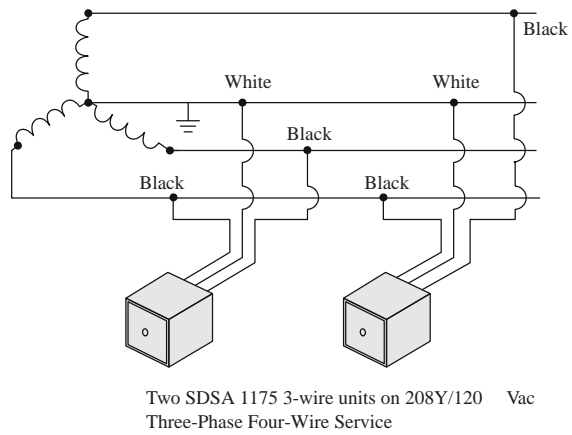
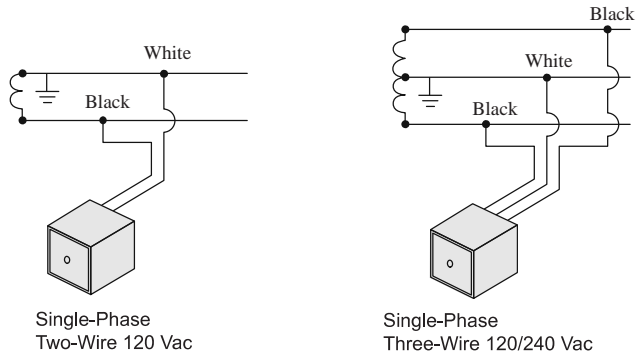
Warranty	18 months
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Dimensions



Wiring Diagram

Typical Wiring



LED ON = OK (normal operation)
LED OFF = Loss of Surge Supression; Refer to [Technical Documentation](#)

Recommended replacement(s)