



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at [wvOASIS.gov](http://wvOASIS.gov). As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at [WVPurchasing.gov](http://WVPurchasing.gov) with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

## Header 2

List View

**General Information** | [Contact](#) | [Default Values](#) | [Discount](#) | [Document Information](#) | [Clarification Request](#)

Procurement Folder: 1342978

Procurement Type: Central Master Agreement

Vendor ID: VS0000020950 

Legal Name: MVA POWER INC

Alias/DBA:

Total Bid: \$45,750.00

Response Date: 12/28/2023 

Response Time: 11:03

Responded By User ID: mvapower 

First Name: Marc

Last Name: Hadid

Email: tender@mvapower.com

Phone: 450-589-0445

SO Doc Code: CRFQ

SO Dept: 0803

SO Doc ID: DOT2400000056

Published Date: 12/26/23

Close Date: 12/28/23

Close Time: 13:30

Status: Closed

Solicitation Description: ADDENDUM NO-1 10-24-C440 Steel Bridge Deck Clips

Total of Header Attachments: 2

Total of All Attachments: 2



Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

**State of West Virginia  
 Solicitation Response**

**Proc Folder:** 1342978  
**Solicitation Description:** ADDENDUM NO-1 10-24-C440 Steel Bridge Deck Clips  
**Proc Type:** Central Master Agreement

Solicitation Closes	Solicitation Response	Version
2023-12-28 13:30	SR 0803 ESR12282300000002998	1

**VENDOR**  
 VS0000020950  
 MVA POWER INC

**Solicitation Number:** CRFQ 0803 DOT2400000056  
**Total Bid:** 45750  
**Response Date:** 2023-12-28  
**Response Time:** 11:03:34  
**Comments:**

**FOR INFORMATION CONTACT THE BUYER**

John W Estep  
 304-558-2566  
 john.w.estep@wv.gov

**Vendor Signature X** **FEIN#** **DATE**

All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Stainless steel deck clip for 3/8" flange	500.00000	EA	6.100000	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704			

**Commodity Line Comments:**

**Extended Description:**

Stainless steel deck clip for 3/8" flange

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
2	Stainless steel deck clip for 7/16" flange	500.00000	EA	6.100000	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704			

**Commodity Line Comments:**

**Extended Description:**

Stainless steel deck clip for 7/16" flange

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
3	Stainless steel deck clip for 1/2" flange	500.00000	EA	6.100000	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704			

**Commodity Line Comments:**

**Extended Description:**

Stainless steel deck clip for 1/2" flange

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
4	Stainless steel deck clip for 9/16" flange	500.00000	EA	6.100000	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704			

**Commodity Line Comments:**

**Extended Description:**

Stainless steel deck clip for 9/16" flange

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
5	Stainless steel deck clip for 5/8" flange	500.00000	EA	6.100000	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704			

**Commodity Line Comments:**

**Extended Description:**

Stainless steel deck clip for 5/8" flange

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
6	Stainless steel deck clip for 11/16" flange	500.00000	EA	6.100000	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704			

**Commodity Line Comments:**

**Extended Description:**

Stainless steel deck clip for 11/16" flange

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
7	Stainless steel deck clip for 3/4" flange	500.00000	EA	6.100000	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704			

**Commodity Line Comments:**

**Extended Description:**

Stainless steel deck clip for 3/4" flange

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
8	Stainless steel deck clip for 13/16" flange	500.00000	EA	6.100000	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704			

**Commodity Line Comments:**

**Extended Description:**

Stainless steel deck clip for 13/16" flange

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
9	Stainless steel deck clip for 7/8" flange	500.00000	EA	6.100000	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704			

**Commodity Line Comments:**

**Extended Description:**

Stainless steel deck clip for 7/8" flange

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
10	Stainless steel deck clip for 15/16" flange	500.00000	EA	6.100000	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704			

**Commodity Line Comments:**

**Extended Description:**

Stainless steel deck clip for 15/16" flange

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
11	Stainless steel deck clip for 1" flange	500.00000	EA	6.100000	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704			

**Commodity Line Comments:**

**Extended Description:**

Stainless steel deck clip for 1" flange

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
12	Stainless steel deck clip for 1 1/8" flange	500.00000	EA	6.100000	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704			

**Commodity Line Comments:**

**Extended Description:**

Stainless steel deck clip for 1 1/8" flange

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
13	Stainless steel deck clip for 1 3/16" flange	500.00000	EA	6.100000	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704			

**Commodity Line Comments:**

**Extended Description:**

Stainless steel deck clip for 1 3/16" flange

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
14	Stainless steel deck clip for 1 3/8" flange	500.00000	EA	6.100000	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704			

**Commodity Line Comments:**

**Extended Description:**

Stainless steel deck clip for 1 3/8" flange

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
15	Stainless steel deck clip for 1 1/2" flange	500.00000	EA	6.100000	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704			

**Commodity Line Comments:**

**Extended Description:**

Stainless steel deck clip for 1 1/2" flange

<b>Bid Evaluation Page</b>					
<b>10-24-C440 CRQM DOT24*54</b>					
<b>Item Number</b>	<b>Estimated Quantity</b>	<b>Unit of Measure</b>	<b>Description</b>	<b>Unit Cost</b>	<b>Total</b>
1	500	EA	STAINLESS STEEL DECK CLIP FOR 3/8" FLANGE	\$ 6.10	\$ 3,050.00
2	500	EA	STAINLESS STEEL DECK CLIP FOR 7/16" FLANGE	\$ 6.10	\$ 3,050.00
3	500	EA	STAINLESS STEEL DECK CLIP FOR 1/2" FLANGE	\$ 6.10	\$ 3,050.00
4	500	EA	STAINLESS STEEL DECK CLIP FOR 9/16" FLANGE	\$ 6.10	\$ 3,050.00
5	500	EA	STAINLESS STEEL DECK CLIP FOR 5/8" FLANGE	\$ 6.10	\$ 3,050.00
6	500	EA	STAINLESS STEEL DECK CLIP FOR 11/16" FLANGE	\$ 6.10	\$ 3,050.00
7	500	EA	STAINLESS STEEL DECK CLIP FOR 3/4" FLANGE	\$ 6.10	\$ 3,050.00
8	500	EA	STAINLESS STEEL DECK CLIP FOR 13/16" FLANGE	\$ 6.10	\$ 3,050.00
9	500	EA	STAINLESS STEEL DECK CLIP FOR 7/8" FLANGE	\$ 6.10	\$ 3,050.00
10	500	EA	STAINLESS STEEL DECK CLIP FOR 15/16" FLANGE	\$ 6.10	\$ 3,050.00
11	500	EA	STAINLESS STEEL DECK CLIP FOR 1" FLANGE	\$ 6.10	\$ 3,050.00
12	500	EA	STAINLESS STEEL DECK CLIP FOR 1 1/8" FLANGE	\$ 6.10	\$ 3,050.00
13	500	EA	STAINLESS STEEL DECK CLIP FOR 1 3/16" FLANGE	\$ 6.10	\$ 3,050.00
14	500	EA	STAINLESS STEEL DECK CLIP FOR 1 3/8" FLANGE	\$ 6.10	\$ 3,050.00
15	500	EA	STAINLESS STEEL DECK CLIP FOR 1 1/2" FLANGE	\$ 6.10	\$ 3,050.00
<b>Grand Total</b>				<b>\$</b>	<b>45,750.00</b>



Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

State of West Virginia  
 Centralized Request for Quote  
 Miscellaneous

<b>Proc Folder:</b> 1342978		<b>Reason for Modification:</b>	
<b>Doc Description:</b> ADDENDUM NO-1 10-24-C440 Steel Bridge Deck Clips		ADDENDUM NO_1 Add Drawings Bid Openings remains 12/28/23 @ 1:30PM	
<b>Proc Type:</b> Central Master Agreement			
<b>Date Issued</b>	<b>Solicitation Closes</b>	<b>Solicitation No</b>	<b>Version</b>
2023-12-26	2023-12-28 13:30	CRFQ 0803 DOT2400000056	2

**BID RECEIVING LOCATION**

BID CLERK  
 DEPARTMENT OF ADMINISTRATION  
 PURCHASING DIVISION  
 2019 WASHINGTON ST E  
 CHARLESTON WV 25305  
 US

**VENDOR**

**Vendor Customer Code:**  
**Vendor Name :** MVA POWER INC  
**Address :** 1  
**Street :** HOLLY ROAD  
**City :** MONTREAL  
**State :** QUEBEC **Country :** CANADA **Zip :** H3X3K6  
**Principal Contact :** CHARLY-MARC HADID  
**Vendor Contact Phone:** 1 450 589 0445 **Extension:** 222

**FOR INFORMATION CONTACT THE BUYER**

John W Estep  
 304-558-2566  
 john.w.estep@wv.gov

Vendor  
 Signature X

*Charly - Marc*

Please see attached our W-8BEN-E  
 FEIN# DATE 28 Dec. 2023

All offers subject to all terms and conditions contained in this solicitation

**ADDITIONAL INFORMATION**

ADDENDUM NO\_1

Addendum No\_1 issued to publish and distribute the attached information to the Vendor Community,

**REQUEST FOR QUOTATION:**

The West Virginia Purchasing Division is soliciting bids on behalf of West Virginia Division of Highways District 10 to establish an open-end contract for various sizes of stainless-steel bridge deck clips. Per the Bid Requirements, Specifications, Terms and Conditions attached to this solicitation.

INVOICE TO		SHIP TO	
DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US		DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Stainless steel deck clip for 3/8" flange	500.00000	EA	6.10	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704	MVA POWER INC		

**Extended Description:**

Stainless steel deck clip for 3/8" flange

INVOICE TO		SHIP TO	
DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US		DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
2	Stainless steel deck clip for 7/16" flange	500.00000	EA	6.10	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704	MVA POWER INC		

**Extended Description:**

Stainless steel deck clip for 7/16" flange

INVOICE TO			SHIP TO		
DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US			DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US		

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
3	Stainless steel deck clip for 1/2" flange	500.00000	EA	6.10	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704	MVA POWER INC		

**Extended Description:**  
Stainless steel deck clip for 1/2" flange

INVOICE TO			SHIP TO		
DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US			DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US		

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
4	Stainless steel deck clip for 9/16" flange	500.00000	EA	6.10	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704	MVA POWER INC		

**Extended Description:**  
Stainless steel deck clip for 9/16" flange

INVOICE TO			SHIP TO		
DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US			DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US		

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
5	Stainless steel deck clip for 5/8" flange	500.00000	EA	6.10	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704	MVA POWER INC		

**Extended Description:**  
Stainless steel deck clip for 5/8" flange

INVOICE TO		SHIP TO	
DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US		DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
6	Stainless steel deck clip for 11/16" flange	500.00000	EA	6.10	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704	MVA POWER INC		

**Extended Description:**

Stainless steel deck clip for 11/16" flange

INVOICE TO		SHIP TO	
DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US		DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
7	Stainless steel deck clip for 3/4" flange	500.00000	EA	6.10	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704	MVA POWER INC		

**Extended Description:**

Stainless steel deck clip for 3/4" flange

INVOICE TO		SHIP TO	
DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US		DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
8	Stainless steel deck clip for 13/16" flange	500.00000	EA	6.10	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704	MVA POWER INC		

**Extended Description:**

Stainless steel deck clip for 13/16" flange

INVOICE TO			SHIP TO		
DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US			DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US		

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
9	Stainless steel deck clip for 7/8" flange	500.00000	EA	6.10	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704	MVA POWER INC		

**Extended Description:**  
Stainless steel deck clip for 7/8" flange

INVOICE TO			SHIP TO		
DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US			DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US		

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
10	Stainless steel deck clip for 15/16" flange	500.00000	EA	6.10	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704	MVA POWER INC		

**Extended Description:**  
Stainless steel deck clip for 15/16" flange

INVOICE TO			SHIP TO		
DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US			DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US		

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
11	Stainless steel deck clip for 1" flange	500.00000	EA	6.10	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704	MVA POWER INC		

**Extended Description:**  
Stainless steel deck clip for 1" flange

INVOICE TO			SHIP TO		
DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US			DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US		

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
12	Stainless steel deck clip for 1 1/8" flange	500.00000	EA	6.10	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704	MVA POWER INC		

**Extended Description:**

Stainless steel deck clip for 1 1/8" flange

INVOICE TO			SHIP TO		
DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US			DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US		

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
13	Stainless steel deck clip for 1 3/16" flange	500.00000	EA	6.10	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704	MVA POWER INC		

**Extended Description:**

Stainless steel deck clip for 1 3/16" flange

INVOICE TO			SHIP TO		
DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US			DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US		

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
14	Stainless steel deck clip for 1 3/8" flange	500.00000	EA	6.10	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704	MVA POWER INC		

**Extended Description:**

Stainless steel deck clip for 1 3/8" flange

INVOICE TO	SHIP TO
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DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US	DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
15	Stainless steel deck clip for 1 1/2" flange	500.00000	EA	6.10	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704	MVA POWER INC		

**Extended Description:**  
 Stainless steel deck clip for 1 1/2" flange

SCHEDULE OF EVENTS
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<u>Line</u>	<u>Event</u>	<u>Event Date</u>
1	Tech Question due by 10:00am	2023-12-22

	Document Phase	Document Description	Page
DOT2400000056	Final	ADDENDUM NO-1 10-24-C440 Steel Bridge Deck Clips	8

**ADDITIONAL TERMS AND CONDITIONS**

See attached document(s) for additional Terms and Conditions



Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

State of West Virginia  
 Centralized Request for Quote  
 Miscellaneous

<b>Proc Folder:</b> 1342978		<b>Reason for Modification:</b>	
<b>Doc Description:</b> ADDENDUM NO-1 10-24-C440 Steel Bridge Deck Clips		ADDENDUM NO_1 Add Drawings Bid Openings remains 12/28/23 @ 1:30PM	
<b>Proc Type:</b> Central Master Agreement			
<b>Date Issued</b>	<b>Solicitation Closes</b>	<b>Solicitation No</b>	<b>Version</b>
2023-12-26	2023-12-28 13:30	CRFQ 0803 DOT2400000056	2

**BID RECEIVING LOCATION**

BID CLERK  
 DEPARTMENT OF ADMINISTRATION  
 PURCHASING DIVISION  
 2019 WASHINGTON ST E  
 CHARLESTON WV 25305  
 US

**VENDOR**

**Vendor Customer Code:**

**Vendor Name :** MVA POWER INC

**Address :** 1

**Street :** HOLLY ROAD

**City :** MONTREAL

**State :** QUEBEC **Country :** CANADA **Zip :** H3X3K6

**Principal Contact :** CHARLY-MARC HADID

**Vendor Contact Phone:** 1 450 589 0445 **Extension:** 222

**FOR INFORMATION CONTACT THE BUYER**  
 John W Estep  
 304-558-2566  
 john.w.estep@wv.gov

**Vendor Signature X** *Charly-Marc*

Please see attached our W-8EBN-E  
**FEIN#** **DATE** 28 Dec. 2023

All offers subject to all terms and conditions contained in this solicitation

**ADDITIONAL INFORMATION**

ADDENDUM NO\_1

Addendum No\_1 issued to publish and distribute the attached information to the Vendor Community,

**REQUEST FOR QUOTATION:**

The West Virginia Purchasing Division is soliciting bids on behalf of West Virginia Division of Highways District 10 to establish an open-end contract for various sizes of stainless-steel bridge deck clips. Per the Bid Requirements, Specifications, Terms and Conditions attached to this solicitation.

INVOICE TO		SHIP TO	
DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US		DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Stainless steel deck clip for 3/8" flange	500.00000	EA	6.10	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704	MVA POWER INC		

**Extended Description:**

Stainless steel deck clip for 3/8" flange

INVOICE TO		SHIP TO	
DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US		DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
2	Stainless steel deck clip for 7/16" flange	500.00000	EA	6.10	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704	MVA POWER INC		

**Extended Description:**

Stainless steel deck clip for 7/16" flange

INVOICE TO		SHIP TO	
DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US		DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
3	Stainless steel deck clip for 1/2" flange	500.00000	EA	6.10	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704	MVA POWER INC		

**Extended Description:**  
Stainless steel deck clip for 1/2" flange

INVOICE TO		SHIP TO	
DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US		DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
4	Stainless steel deck clip for 9/16" flange	500.00000	EA	6.10	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704	MVA POWER INC		

**Extended Description:**  
Stainless steel deck clip for 9/16" flange

INVOICE TO		SHIP TO	
DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US		DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
5	Stainless steel deck clip for 5/8" flange	500.00000	EA	6.10	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704	MVA POWER INC		

**Extended Description:**  
Stainless steel deck clip for 5/8" flange

INVOICE TO			SHIP TO		
DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US			DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US		

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
6	Stainless steel deck clip for 11/16" flange	500.00000	EA	6.10	3050.006.1

Comm Code	Manufacturer	Specification	Model #
11101704	MVA POWER INC		

**Extended Description:**  
Stainless steel deck clip for 11/16" flange

INVOICE TO			SHIP TO		
DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US			DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US		

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
7	Stainless steel deck clip for 3/4" flange	500.00000	EA	6.10	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704	MVA POWER INC		

**Extended Description:**  
Stainless steel deck clip for 3/4" flange

INVOICE TO			SHIP TO		
DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US			DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US		

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
8	Stainless steel deck clip for 13/16" flange	500.00000	EA	6.10	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704	MVA POWER INC		

**Extended Description:**  
Stainless steel deck clip for 13/16" flange

INVOICE TO		SHIP TO	
DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US		DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
9	Stainless steel deck clip for 7/8" flange	500.00000	EA	6.10	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704	MVA POWER INC		

**Extended Description:**  
Stainless steel deck clip for 7/8" flange

INVOICE TO		SHIP TO	
DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US		DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
10	Stainless steel deck clip for 15/16" flange	500.00000	EA	6.10	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704	MVA POWER INC		

**Extended Description:**  
Stainless steel deck clip for 15/16" flange

INVOICE TO		SHIP TO	
DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US		DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
11	Stainless steel deck clip for 1" flange	500.00000	EA	6.10	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704	MVA POWER INC		

**Extended Description:**  
Stainless steel deck clip for 1" flange

INVOICE TO		SHIP TO	
DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US		DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
12	Stainless steel deck clip for 1 1/8" flange	500.00000	EA	6.10	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704	MVA POWER INC		

**Extended Description:**  
Stainless steel deck clip for 1 1/8" flange

INVOICE TO		SHIP TO	
DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US		DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
13	Stainless steel deck clip for 1 3/16" flange	500.00000	EA	6.10	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704	MVA POWER INC		

**Extended Description:**  
Stainless steel deck clip for 1 3/16" flange

INVOICE TO		SHIP TO	
DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US		DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
14	Stainless steel deck clip for 1 3/8" flange	500.00000	EA	6.10	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704	MVA POWER INC		

**Extended Description:**  
Stainless steel deck clip for 1 3/8" flange

INVOICE TO	SHIP TO
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DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US	DIVISION OF HIGHWAYS DISTRICT TEN 270 HARDWOOD LN PRINCETON WV US
---	---

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
15	Stainless steel deck clip for 1 1/2" flange	500.00000	EA	6.10	3050.00

Comm Code	Manufacturer	Specification	Model #
11101704	MVA POWER INC		

**Extended Description:**  
Stainless steel deck clip for 1 1/2" flange

SCHEDULE OF EVENTS
--------------------

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
1	Tech Question due by 10:00am	2023-12-22

# SOLICITATION NUMBER: CRFQ DOT2400000056

## Addendum Number: 1

The purpose of this addendum is to modify the solicitation identified as CRFQ DOT2400000056 (“Solicitation”) to reflect the change(s) identified and described below.

### Applicable Addendum Category:

- Modify bid opening date and time
- Modify specifications of product or service being sought
- Attachment of vendor questions and responses
- Attachment of pre-bid sign-in sheet
- Correction of error
- Other

### Additional Documentation:

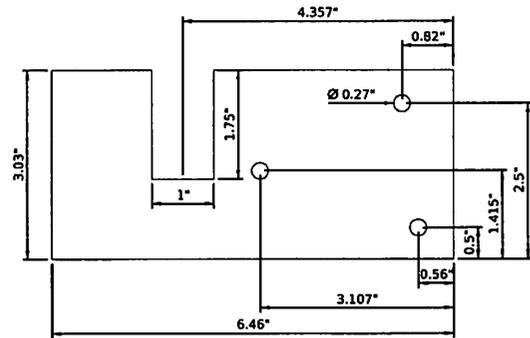
To add Drawings

Bid Opening remains 12/28/2023 at 1:30pm

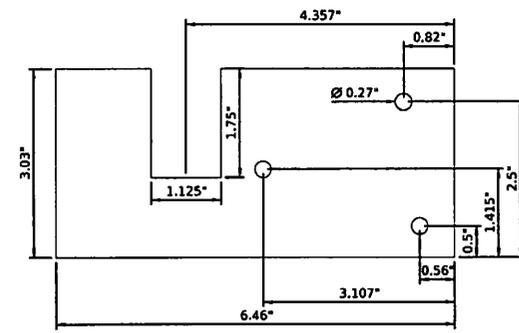
### Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

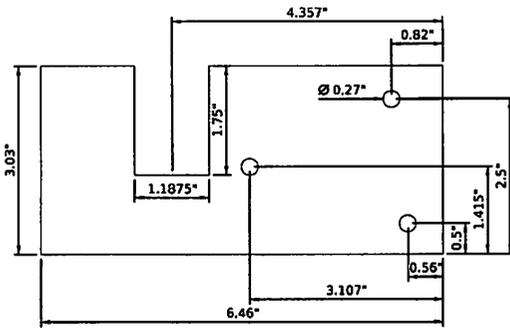
Public Works Div.	State Dist. No.	State Project No.	Federal Project No.	County	Sheet No.	Total Sheets
W.V.		--			1	1



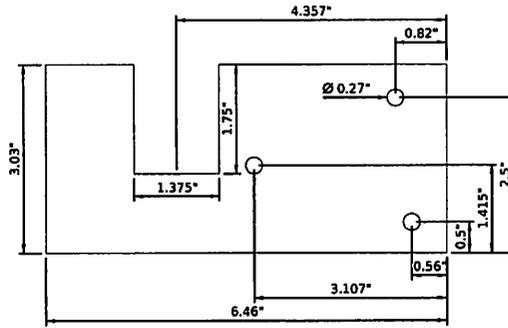
STEEL DECK CLIP FOR 1" FLANGE



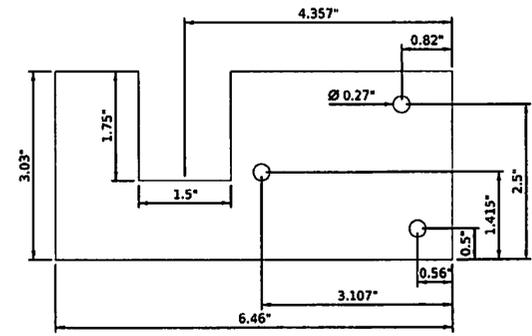
STEEL DECK CLIP FOR 1-1/8" FLANGE



STEEL DECK CLIP FOR 1-3/16" FLANGE



STEEL DECK CLIP FOR 1-3/8" FLANGE



STEEL DECK CLIP FOR 1-1/2" FLANGE

NOT TO SCALE

7-DEC-2023

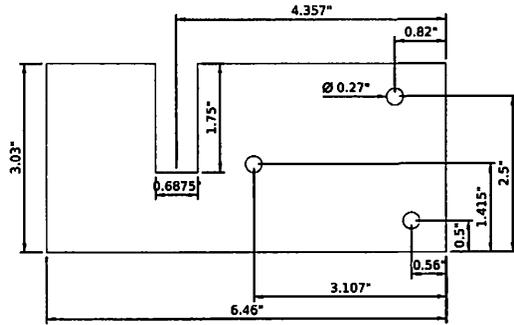
NO.	REVISION	DATE	BY

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
ENGINEERING DIVISION  
DIVISION OF HIGHWAYS

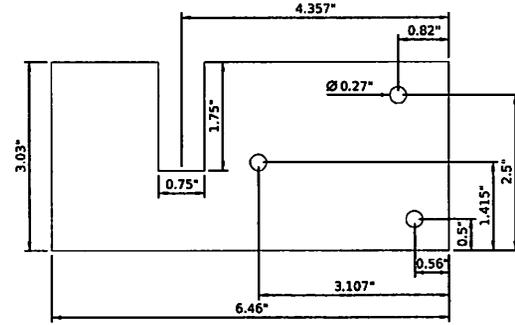
DESIGNED	DATE	CHECKED	DATE
DRAWN	DATE	REVIEWED	DATE

**BRIDGE CLIPS  
2"X6" DECK**

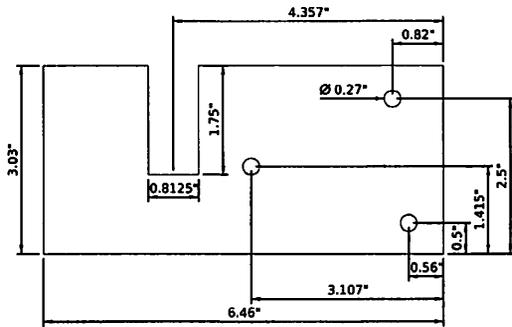
Public Road Dist.	State Dist. No.	State Project No.	Federal Project No.	County	Sheet No.	Total Sheets
W.V.		--			1	1



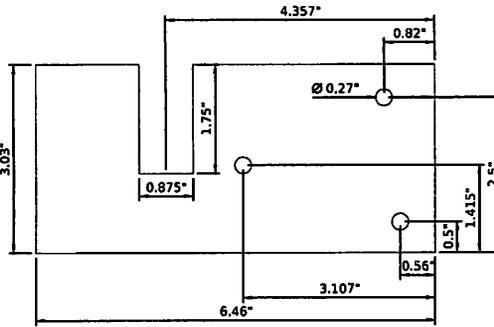
STEEL DECK CLIP FOR 11/16" FLANGE



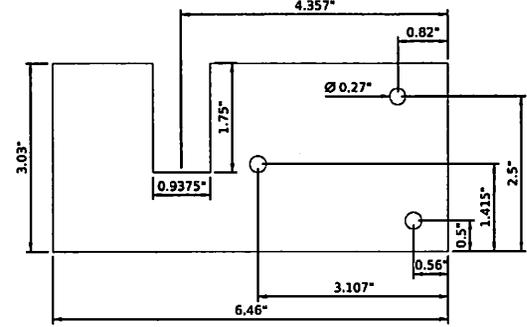
STEEL DECK CLIP FOR 3/4" FLANGE



STEEL DECK CLIP FOR 13/16" FLANGE



STEEL DECK CLIP FOR 7/8" FLANGE



STEEL DECK CLIP FOR 15/16" FLANGE

NOT TO SCALE

7-DEC-2023

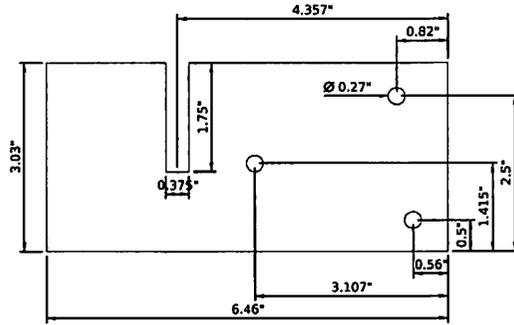
NO.	REVISION	DATE	BY

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
ENGINEERING DIVISION  
DIVISION OF HIGHWAYS

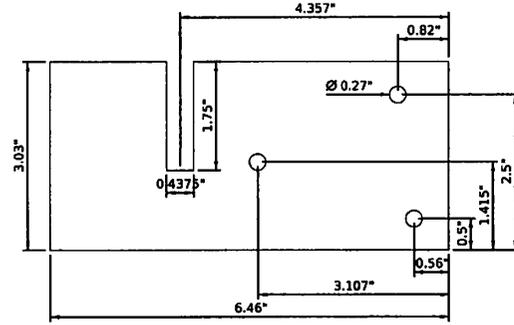
DESIGNED	DATE	CHECKED	DATE
DRAWN	DATE	REVIEWED	DATE

**BRIDGE CLIPS  
2"X6" DECK**

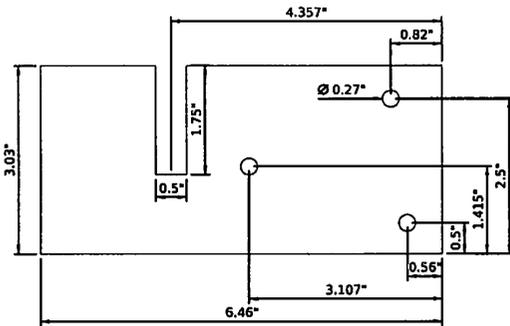
Public Road Div.	State Dist. No.	State Project No.	Federal Project No.	County	Sheet No.	Total Sheets
W.V.		--			1	1



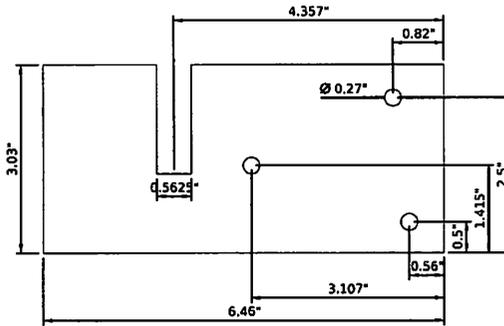
STEEL DECK CLIP FOR 3/8" FLANGE



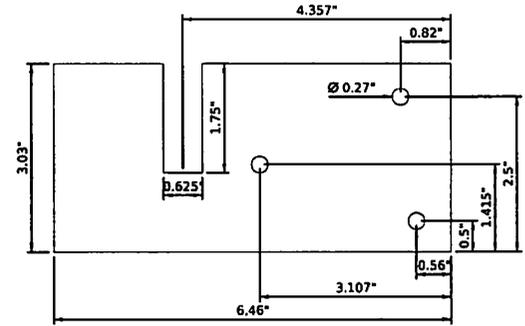
STEEL DECK CLIP FOR 7/16" FLANGE



STEEL DECK CLIP FOR 1/2" FLANGE



STEEL DECK CLIP FOR 9/16" FLANGE



STEEL DECK CLIP FOR 5/8" FLANGE

NOT TO SCALE

7-DEC-2023

NO.	REVISION	DATE	BY

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
ENGINEERING DIVISION  
DIVISION OF HIGHWAYS

DESIGNED	DATE	CHECKED	DATE
DRAWN	DATE	REVIEWED	DATE

**BRIDGE CLIPS  
2"X6" DECK**

**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.: CRFQ DOT240000056**

**Instructions:** Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

**Acknowledgment:** I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

**Addendum Numbers Received:**

(Check the box next to each addendum received)

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6  |
| <input type="checkbox"/> Addendum No. 2            | <input type="checkbox"/> Addendum No. 7  |
| <input type="checkbox"/> Addendum No. 3            | <input type="checkbox"/> Addendum No. 8  |
| <input type="checkbox"/> Addendum No. 4            | <input type="checkbox"/> Addendum No. 9  |
| <input type="checkbox"/> Addendum No. 5            | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

MVA POWER INC

\_\_\_\_\_  
Company

CHARLY-MARC

*Charly-Marc*

\_\_\_\_\_  
Authorized Signature

28 Dec. 2023

\_\_\_\_\_  
Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.

Bid Evaluation Page					
10-24-C440 CRQM DOT24*54					
Item Number	Estimated Quantity	Unit of Measure	Description	Unit Cost	Total
1	500	EA	STAINLESS STEEL DECK CLIP FOR 3/8" FLANGE	\$ 6.10	\$ 3,050.00
2	500	EA	STAINLESS STEEL DECK CLIP FOR 7/16" FLANGE	\$ 6.10	\$ 3,050.00
3	500	EA	STAINLESS STEEL DECK CLIP FOR 1/2" FLANGE	\$ 6.10	\$ 3,050.00
4	500	EA	STAINLESS STEEL DECK CLIP FOR 9/16" FLANGE	\$ 6.10	\$ 3,050.00
5	500	EA	STAINLESS STEEL DECK CLIP FOR 5/8" FLANGE	\$ 6.10	\$ 3,050.00
6	500	EA	STAINLESS STEEL DECK CLIP FOR 11/16" FLANGE	\$ 6.10	\$ 3,050.00
7	500	EA	STAINLESS STEEL DECK CLIP FOR 3/4" FLANGE	\$ 6.10	\$ 3,050.00
8	500	EA	STAINLESS STEEL DECK CLIP FOR 13/16" FLANGE	\$ 6.10	\$ 3,050.00
9	500	EA	STAINLESS STEEL DECK CLIP FOR 7/8" FLANGE	\$ 6.10	\$ 3,050.00
10	500	EA	STAINLESS STEEL DECK CLIP FOR 15/16" FLANGE	\$ 6.10	\$ 3,050.00
11	500	EA	STAINLESS STEEL DECK CLIP FOR 1" FLANGE	\$ 6.10	\$ 3,050.00
12	500	EA	STAINLESS STEEL DECK CLIP FOR 1 1/8" FLANGE	\$ 6.10	\$ 3,050.00
13	500	EA	STAINLESS STEEL DECK CLIP FOR 1 3/16" FLANGE	\$ 6.10	\$ 3,050.00
14	500	EA	STAINLESS STEEL DECK CLIP FOR 1 3/8" FLANGE	\$ 6.10	\$ 3,050.00
15	500	EA	STAINLESS STEEL DECK CLIP FOR 1 1/2" FLANGE	\$ 6.10	\$ 3,050.00
<b>Grand Total</b>					<b>\$ 45,750.00</b>
<b>MVA POWER INC</b>					

# CERTIFICATE OF REGISTRATION

This is to certify that the management system of:

## **MVA Puissance Inc / MVA Power Inc**

Main Site: 734 rue Saint Étienne,  
L'Assomption, Québec, J5W 1Z1, Canada

has been registered by Intertek as conforming to the requirements of:

## **ISO 9001:2015**

The management system is applicable to:

Design, manufacturing and supply of structures for the power transmission, power distribution, power substations, telecommunications, and light rail networks; design, manufacture and supply of equipment, materials and components for the high voltage and medium voltage power networks, light rail and fiber optic networks individually or for turnkey packages.

**Certificate Number:**  
0097401

**Initial Certification Date:**  
19 December 2019

**Date of Certification Decision:**  
18 November 2022

**Issuing Date:**  
18 November 2022

**Valid Until:**  
18 December 2025



**intertek**



A handwritten signature in black ink.

**Calin Moldovean**  
President, Business Assurance

Intertek Testing Services NA, Inc.  
900 Chelmsford Street, Lowell  
MA 01851, USA



## CERTIFICATE OF INSURANCE

Certificate holder name : **To Whom it may concern**

Named Insured : **MVA Power Inc. & MVA Power Ontario Inc. & MVA Power USA inc**  
734, rue St-Étienne, L'Assomption, Quebec J5W 1Z1

holds the policy(ies) of insurance as herein described.

Activity and location insured : Distributor of hardware and electrical equipment medium and high voltage

Insurance coverage	Insurance company	Policy number	Expiry date (mm/dd/yyyy)	Insurance limit
<b>Commercial General Liability</b> Including : <input checked="" type="checkbox"/> Products / completed operations <input checked="" type="checkbox"/> Tenant's legal liability <input checked="" type="checkbox"/> Non-owned auto policy	Aviva, The Sovereign and Trisura By SUM strategic underwriting managers inc.	SUM-CGL-03059-010	02/19/2024	2 000 000 \$ each occurrence  2 000 000 \$ annual aggregate limit 250 000 \$ per location 2 000 000 \$ each occurrence
<b>Complementary Liability « Umbrella »</b>  <input checked="" type="checkbox"/> Including automobiles	Aviva, Everest, Liberty, The Sovereign and Trisura By SUM strategic underwriting managers inc.	SUM-EXC-03060-010	02/19/2024	3 000 000 \$ each occurrence 3 000 000 \$ annual aggregate limit
<b>Automobile Liability Q.P.F. 1</b>	L'Unique Assurances générales	18501734	09/16/2024	2 000 000 \$ each occurrence
<b>Notes :</b> This is to certify that the policy(ies) of insurance described herein have been issued to the Named Insured for the policy period indicated, notwithstanding any requirement, term or condition of any contract or other document with respect to which the Certificate may be issued or may pertain. The insurance afforded by the policy(ies) described herein is subject to all the terms, conditions and exclusions of such policy(ies). Limits shown may have been reduced by paid claims. This Certificate does not amend, extend or alter the coverage afforded by the policy(ies) described herein. <b>All values shown on this certificate are in Canadian currency.</b>				

February 16th, 2023 (sb)  
Date

LANGELIER ASSURANCES INC.

PAR :   
Nicholas Therrien, CIP  
Damage Insurance Broker



---

1 Rue Holly  
Montreal, PQ, H3X 3K6  
Tel: 450-589-0445  
Fax: 450-589-0733  
Email: [info@MVAPOWER.qc.ca](mailto:info@MVAPOWER.qc.ca)

# MVA Power Inc..

# QUALITY MANUAL

Montreal, QC Operations

NOTE: EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT, THIS QUALITY MANUAL IS THE PROPERTY OF MVA Power Inc.. THIS DOCUMENT IS ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED OR USED AS THE BASIS FOR MANUFACTURE OR SALE OF PRODUCT WITHOUT PERMISSION.

Revision Number	Effective Date	Revision Description
0	1-30-2008	Original issue

# APPROVALS

<b>NAME</b>	<b>FUNCTION</b>
Marc Hadid, Eng. (Electrical Engineer)	President MVA Power Inc.
Charly-Marc Hadid, Eng. (Industrial Engineer)	V.P. Sales & Marketing MVA Power Inc.
Ismail Ghunir	Quality Manager MVA Power Inc.
Benjamin-Avi Hadid	Shipping & Warehouse Manager MVA Power Inc.

# INDEX

- 1.0 Management Responsibility
- 2.0 Quality Systems
- 3.0 Contract & Specification Review
- 4.0 Design Control
- 5.0 Document Control
- 6.0 Purchasing
- 7.0 Control of customer supplied material
- 8.0 Product Identification & Traceability
- 9.0 Process Control
- 10.0 Inspection & Testing
- 11.0 Control of Inspection, Measuring and Test Equipment
- 12.0 Inspection & Test Status
- 13.0 Control of Non-conforming Product
- 14.0 Handling, Storage, Packaging, Preservation & Delivery
- 15.0 Control of Quality Records
- 16.0 Internal Quality Audits
- 17.0 Training
- 18.0 Servicing Manufactured Goods

## 1.0 MANAGEMENT RESPONSIBILITY

### 1.1 Quality Policy

The quality policy is to achieve and maintain customer satisfaction for all our products and services. Policy objectives are as follows:

- assure that products and services are *right the first time*
- deliver products and services on time to both internal and external customers
- minimize all scrap and waste

## 2.0 QUALITY SYSTEM

The quality system described in this manual is designed to meet our customer's needs in terms of product quality, on-time-delivery, customer service and product performance.

## 3.0 CONTRACT and/or SPECIFICATION REVIEW

### 3.1 General

Most purchases are made on a "commercial" basis without a specific CONTRACT or SPECIFICATION. Those purchases made on a CONTRACT and/or SPECIFICATION basis are handled as indicated below.

### 3.2 Review

If are purchased in accordance with a CONTRACT or SPECIFICATION, a preliminary review is conducted by sales to determine if there are any special or non-standard requirements. If so, the CONTRACT or SPECIFICATION is forwarded to DESIGN, MANUFACTURING ENGINEERING and QUALITY ASSURANCE for comment which may include

- expected product performance relative to customer requirements (including supporting test reports)
- cost of any non-standard testing
- time required to execute any non-standard testing
- cost of any non-standard packaging
- exceptions or clarifications to requirements contained in the CONTRACT or SPECIFICATION

### 3.3 Amendment to Contract

After MVA Power Inc.. accepts a firm order from a customer, amendments to the CONTRACT or SPECIFICATION

may still be necessary in cases where:

- the needs of the customer change sufficiently to alter the terms of the contract
- MVA Power Inc.. encounters unexpected delays in providing the product

### 3.3 Records

A record of review and response to the CONTRACT and/or SPECIFICATION is maintained in the Engineering Project File. Each project is assigned a project number (e.g. VAXxx).

## 4.0 DESIGN CONTROL

### 4.1 General

The need for a design and development project arises when:

- MVA Power Inc.. decides to enter or create a new market of products
- the customer requests MVA Power Inc.. to manufacture an unproven design

### 4.2 Design and Development Planning

Design and development projects have three distinct stages:

**4.2.1 Market Analysis**

An analysis is performed to determine current and future market conditions.

**4.2.2 Proposal to R & D Committee**

Based on market analysis, a decision is made on whether or not to prepare a proposal to present to the R & D Committee. The R & D Committee is comprised of top management, product managers and technical managers. The R & D Committee determines whether the proposal should become a formal project.

**4.2.3 Project Monitoring**

Project activity and status is reviewed each quarter in the R & D Committee meeting.

**4.3 Design Input**

Design input is all the information needed to design a product. This could include one or more of the following:

- environmental conditions where the product will be installed
- product performance requirements as stated by the customer
- correspondence between the customer and MVA Power Inc. concerning design
- any industry imposed standards
- any statutory or regulatory requirements

**4.4 Design Output**

Design output is the translation of customer or market product requirements into a product design and predicted performance. The design must be consistent with MVA Power Inc.'s manufacturing capability, thus facilitating the transition to manufacturing a prototype and ultimately a production run. The design output should:

- be verified against design input requirements and validated
- contain acceptance criteria (testing)
- identify characteristics that are crucial to safe and proper handling or use
- be reviewed and approved before release to manufacturing and sales

**4.5 Design Review**

Design reviews are conducted by the R & D Committee on a quarterly basis. Records are maintained in the form of meeting minutes.

**4.6 Design Validation**

Design validation is used to assure that the final design satisfies the Design Inputs and Design Outputs.

Design validation includes testing of the final product design to assure that the design satisfies the defined performance criteria.

**4.7 Design Change Request**

The need for a design change may be identified by one or more of the following:

- customer
- Application Engineering
- Design Engineering
- Manufacturing Engineering
- Manufacturing
- Materials
- Quality Assurance

**4.8 Design Change Control**

Design Engineering is the only function approved to document, review and approve changes. Records of change are maintained in Project Files and detailed on drawing revision notes.

## 5.0 DOCUMENT CONTROL

### 5.1 General

Documents are controlled to ensure that:

- information is easily accessible at appropriate locations
- only current revisions of documents are in use at all times
- obsolete documents are discarded

Two document control systems are utilized:

- LAN (local area network) based system
- Paper controlled system (limited use)

Complete system description is done according to customers requests & specifications for Doc Control (if applicable). In other cases, MVA Power keeps documents secure in paper & electronic copies for easy access when needed (i.e. MRB – Material Requirement Book or Project Book).

### 5.2 Document and Data Approval & Issue

#### 5.2.1 Approval

All documents and data are approved and reviewed for adequacy by authorized associates, or their delegate, prior to release.

##### 5.2.1.1 LAN Controlled Documents

Electronic media documents are approved using the LAN document control system.

##### 5.2.1.2 Paper Controlled Documents

Paper controlled documents are approved by the author, or person currently performing that function.

#### 5.2.2 Issue

##### 5.2.2.1 LAN Controlled Documents

LAN documents are kept in a secure location on the LAN which is accessible by MVA Power Inc. associates, for use when needed. Hard copies on LAN documents can be printed; but, a watermark will appear on those hard copies indicating “valid only (date of print)”.

##### 5.2.2.2 Paper Controlled Documents

Paper documents are controlled and issued by the originator, or person currently performing that function.

#### 5.2.3 Current Revision Status

The LAN document control system includes a document index. This index identifies each document with the appropriate status, as follows:

- document number assigned
- document routing for approval
- approved
- obsolete

### 5.3 Document and Data Change

Document and data changes are reviewed and approved by the function that approved the original document.

## 6.0 PURCHASING

## 6.1 General

Purchasing of raw material, semi-finished goods and finished product for resale is based on reference numbers, referred to as “item numbers”. Item numbers are set-up, maintained and controlled by the Engineering Department. The item number master includes the name of qualified supplier(s), the appropriate drawing number and any special instructions that need to be communicated to the supplier on the PO.

## 6.2 Supplier Evaluation

Suppliers of critical products are evaluated to ensure that they are capable of meeting MVA Power Inc. requirements.

### 6.2.1 Evaluation Methods

MVA Power Inc. qualifies major suppliers by means of review of their ISO9000 certificate, QA Manual, Reference list & contacts or a visit to the supplier’s facility. A new or existing supplier must submit samples for “1st article” approval on any article manufactured for the first time. Following 1st article approval, that article/supplier is qualified.

MVA POWER INC.. evaluates each supplier’s capability by means of product receipt inspection on at least the first four consecutive receipts after 1<sup>st</sup> article approval.

MVA POWER INC.. evaluates major supplier’s quality systems by means of a visit to the supplier’s facility and by the review of their quality manual & NCR Reports on similar project scopes.

## 6.3 Purchasing Data

Suppliers are sent a purchase order that precisely identifies the material being ordered. This may include one or more of the following:

- product description
- supplier or customer’s drawing number (contains technical and quality requirements)
- special manufacturing requirements
- material description

On certain critical products, suppliers are provided with a Material Specification which contains a complete description of technical and quality requirements.

## 6.4 Purchase Order Approval

The planner/buyers have the authority to purchase existing items from existing suppliers. New suppliers of existing items or new items are evaluated as previously described. New raw material items are reviewed to assure conformance to necessary technical and quality requirements prior to authorization to add the item to the purchasing data base.

## 6.5 Verification of Materials at Point of Manufacture

MVA POWER INC.. does not normally perform verification of materials at the supplier’s manufacturing facility.

## 7.0 CONTROL OF CUSTOMER SUPPLIED MATERIAL

MVA Power Inc. does not currently use customer supplied material. If such activity developed, the Materials Manager is responsible for documenting and implementing the appropriate procedures.

## 8.0 PRODUCT IDENTIFICATION AND TRACEABILITY

### 8.1 Identification

Product is identified at receipt and at all stages of production, delivery and installation.

#### 8.1.1 At Receipt

All raw materials, semi-finished goods and finished goods for resale are identified according to MVA Power Inc or client requirements, as specified on drawings and/or item master detail.

### **8.1.2 During Production**

All sub-assembly components and all finished assemblies are identified with a unique manufacturing number. This identifying number travels with the components throughout manufacturing.

### **8.1.3 Finished Goods Inventory, Delivery and Installation**

At a minimum, each finished assembly is identified with the MVA Power Inc. catalog number.

## **8.2 Traceability**

On every contract, traceability from receipt thru manufacturing to finished goods is rigidly controlled. Receipts are traceable to a specific project number, PO number or item description.

Production lots are stored-in and shipments are traceable-to specific inventory locations; but one or more production lots may be in the same inventory location.

## **9.0 PROCESS CONTROL**

### **9.1 Planning and Work Instructions**

Discrete job travelers accompany each production lot throughout its manufacturing cycle. The Discrete Job Traveler provides the order of operations and work instructions for each operation.

### **9.2 Special Processes**

Special processes (where applicable) include Magnetic Particle Inspection, Heat Treating and Welding. These processes are qualified, monitored and controlled as follows:

Magnetic Particle Inspection is performed by a trained and certified inspector.

Heat Treating is verified by mechanical test reports (T,Y,E) or hardness test reports.

Welding is done using qualified procedures, welding procedure specifications and certified welders.

## **10.0 INSPECTION AND TESTING**

### **10.1 General**

Inspection and/or testing is conducted at three critical process steps: Receiving, Manufacturing, Finished Production.

### **10.2 Receiving Inspection**

All materials designated for use in product manufacturing and all finished goods purchased and designated for sale with MVA Power Inc. products are subjected to Receiving Inspection. The following types of materials are actually inspected:

- Any product from a new supplier
- Any new product from existing supplier
- Any product that is found defective during manufacturing
- Certain critical products

Articles are inspected according to various Receiving Inspection Checklists (BOL – Bill of Lading) and/or drawings.

Inspection includes verification of any required supplier certifications and in-house testing as specified in the Receiving Inspection Checklist. Receiving Inspection is conducted in a designated area. Items are moved from Receiving Inspection only upon authorization by the Receiving Inspection function.

### **10.3 Manufacturing Quality Control**

Each manufacturing plant is responsible for product quality exiting that plant. A quality process flow chart is used at each plant. This flow chart details how quality is to be controlled and what quality records are to be made. A quality record is generated for each production lot at each

plant.

#### **10.4 Final Inspection and Testing**

Each completed production lot is submitted to Final Inspection. These lots are inspected based on requirements specified on drawings and in manufacturing instructions that are routed with each lot. In addition, Inspection Checklists detail inspection and test instructions for many types of products. A record of each inspection is maintained. The system for handling non-conforming product is described later in this manual.

### **11.0 CONTROL OF INSPECTION, MEASURING and TEST EQUIPMENT**

#### **11.1 General**

Procedures to control, calibrate and maintain measuring and test equipment are documented.

#### **11.2 Control Procedure**

Inspection, measuring and test equipment are controlled by:

- selecting appropriate test equipment that is capable of the necessary accuracy and precision defined by the measurements that need to be made
- identifying all test equipment with a unique equipment number, calibration status, technician (or external service) that performed the calibration and next calibration date
- calibrating and adjusting at predefined intervals against recognized industry standards, or in the cases where no standards exist, documenting the basis of calibration
- documenting details of equipment type, unique identification, location, frequency of checks, check method, acceptance criteria, action taken when acceptance criteria is not met and records for all calibrations performed
- accessing and documenting the validity of test records produced from equipment that has been found to be out of calibration
- ensuring that environmental conditions are appropriate for calibration (both internal and external) and tests being performed
- assuring that proper handling and storage of equipment is appropriate to maintain accuracy and fitness for use
- where appropriate, safeguarding equipment hardware and software from inadvertent adjustments that would invalidate the calibration settings

If a measurement device is found to be out of calibration, the validity of prior inspection and test results is assessed as follows:

- The device is taken out of service immediately.
- The Quality Manager is notified of the finding.
- A review of the time frame and validity of previous measurements on product produced and tested with the suspect device is evaluated for risk by the Quality Manager.
- The QA Manager reviews the finding with Production, Engineering and Sales to determine whether any action is necessary, i.e. product hold, product retest, product recall.

### **12.0 INSPECTION and TEST STATUS**

Inspection Status and Inspection data are documented at each manufacturing work center as part of the Quality At The Source system. Each operation, when complete, is “signed-off” on the manufacturing order (MO) by the operator at each work center. Inspection and Test Status is also documented at Final Inspection. Should all or part of a production lot fail inspection or test, such failure is noted on the manufacturing order and handled as described in another section of this manual.

### **13.0 CONTROL OF NON-CONFORMING PRODUCT**

#### **13.1 General**

Non-conforming material is documented on a Non-Conforming Material Inspection Report (NCMIR). The NCMIR identifies the non-conforming material, documents the type of non-conformance and

provides for material review, disposition and corrective action.

### **13.2 Types of Non-conforming Product**

Non-conforming product is identified as TYPE I or TYPE II. Quality Assurance Technicians are authorized to execute the review, disposition and corrective action on TYPE I non-conforming product. TYPE II non-conforming product is submitted to the Material Review Board (MRB).

### **13.3 Material Review Board**

The Material Review Board (MRB) consists of the Manufacturing Team Manager, the Quality Team Manager and the appropriate Application/Design Engineer. The MRB must reach consensus regarding disposition and corrective action. In cases where the non-conforming condition does not effect function of the part, customer input may be requested and considered.

### **13.4 Disposition of Non-conforming Product**

Disposition includes the following options:

- accept as-is
- rework and reinspect
- sort and remanufacture shortage
- scrap and remanufacture

### **13.5 Corrective Action**

The NCMIR provides for determination of the root cause and specifies corrective action which may include such things as:

- retraining of manufacturing associate
- process capability studies
- modifications to drawings, drawing tolerances
- modifications to manufacturing procedures
- modifications to Quality At The Source procedures

## **14.0 HANDLING, STORAGE, PACKAGING, PRESERVATION and DELIVERY**

### **14.1 Handling**

All raw material, sub-assemblies and finished product are handled to prevent damage and deterioration. Large items are handled with fork lifts operated by associates with specific training and certification.

### **14.2 Storage**

All raw materials are stored in designated and controlled warehouse locations to prevent damage and to facilitate inventory control. All in-process material is stored in staging areas behind the next process.

### **14.3 Packaging**

Packaging and marking requirements are specified on the manufacturing order and supplemented by additional instructions on the packing request sheet known as the “pick”.

### **14.4 Preservation**

Many components are sealed in bio-degradable waterproof plastic. The plastic bio-degrades after about six months of exposure to sunlight. Standard shipping containers are heavy duty water resistant cardboard.

### **14.5 Delivery**

The method of shipment is determined on a “least cost” basis unless otherwise specified by the customer.

## **15.0 CONTROL OF QUALITY RECORDS**

### **15.1 General**

Quality records are maintained to demonstrate conformance of products and processes to specified requirements.

### **15.2 Types of Quality Records**

Quality records include, but are not limited to, the following:

- Material purchasing records
- Receiving Inspection (Receipt Traveler)
- Supplier Certification of Conformance or Test Reports
- Inventory Control Records
- Manufacturing procedures
- Manufacturing quality records
- Quality Assurance inspection and test records

### **16.0 INTERNAL QUALITY AUDITS**

Quality at the Source is audited on a daily basis to ensure that plant quality records are reliable and complete.

### **17.0 TRAINING**

All associates are required to complete a variety of training activities. A training record is maintained for each associate. Periodic audits are conducted to assure that each associate's training requirements are current and updated, if needed.

### **18.0 SERVICING MANUFACTURED GOODS**

MVA POWER INC.. does not provide servicing to manufactured goods. MVA POWER INC.. does provide field service consultation upon customer request.