



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

# Request for Quotation

RFQ NUMBER  
 GSD096406

PAGE  
 1

ADDRESS CORRESPONDENCE TO ATTENTION OF  
 KRISTA FERRELL  
 304-558-2596

RFQ COPY  
 TYPE NAME/ADDRESS HERE

VENDOR

SUMMIT ELECTRIC CORP.  
 P.O. BOX 254  
 HURRICANE, WV 25526-0254

SHIP TO

DEPARTMENT OF ADMINISTRATION  
 GENERAL SERVICES DIVISION  
 BUILDING FIVE - HIGHWAYS  
 1900 KANAWHA BOULEVARD, EAST  
 CHARLESTON, WV  
 25305 304-558-2317

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
02/03/2009				

BID OPENING DATE: 02/05/2009 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
ADDENDUM NO. 3						
THIS ADDENDUM IS ISSUED TO ADD THE REVISED EAST WING PROPOSED ELECTRICAL ROOM DRAWING INADVERTANTLY OMITTED FROM ADDENDUM NO. 1.						
BID OPENING DATE REMAINS: 02/05/2009						
BID OPENING TIME REMAINS: 1:30 PM						
***** END ADDENDUM NO. 3 *****						
0001	1	JB		968-42	\$1,449,777.00	\$1,449,777.00
MAIN CAPITOL ELECTRICAL UPGRADE PROJECT						
***** THIS IS THE END OF RFQ GSD096406 *****						TOTAL: \$1,449,777.00

RECEIVED  
 2009 FEB -5 PM 12:56  
 WV PURCHASING DIVISION

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Krista Ferrell</i>	TELEPHONE 502-7091	DATE 2/5/09
TITLE President	FEIN 55-069313	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



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

# Request for Quotation

RFQ NUMBER  
**GSD096406**

PAGE  
**7**

ADDRESS CORRESPONDENCE TO ATTENTION OF  
**KRISTA FERRELL  
 304-558-2596**

RFQ COPY  
 TYPE NAME/ADDRESS HERE

**SUMMIT ELECTRIC CORP.  
 P.O. BOX 254  
 HURRICANE, WV 25526-0254**

**DEPARTMENT OF ADMINISTRATION  
 GENERAL SERVICES DIVISION  
 BUILDING FIVE - HIGHWAYS  
 1900 KANAWHA BOULEVARD, EAST  
 CHARLESTON, WV  
 25305 304-558-2317**

DATE PRINTED <b>12/30/2008</b>	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
BID OPENING DATE: <b>01/29/2009</b>		BID OPENING TIME <b>01:30PM</b>		

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.</p> <p>ADDENDUM NOS.:</p> <p>NO. 1 ..01/28/2009.</p> <p>NO. 2 ..01/29/2009.</p> <p>NO. 3 ..02/03/2009</p> <p>NO. 4 .....</p> <p>NO. 5 .....</p> <p>I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF THE BIDS.</p> <p>VENDOR MUST CLEARLY UNDERSTAND 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.</p> <p>.....<i>Summit Electric Corp, Inc.</i>.....SIGNATURE</p> <p>.....<i>Summit Electric Corp, Inc.</i>.....COMPANY</p> <p>.....02/05/2009.....DATE</p> <p>REV. 11/96</p> <p>CONTRACTORS LICENSE</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS			
SIGNATURE <i>Summit Electric Corp, Inc.</i>	TELEPHONE <b>562-7091</b>	DATE <b>2/5/09</b>	
TITLE <b>President</b>	FEIN <b>55-0619313</b>	ADDRESS CHANGES TO BE NOTED ABOVE	

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



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

# Request for Quotation

RFQ NUMBER  
**GSD096406**

PAGE  
**8**

ADDRESS CORRESPONDENCE TO ATTENTION OF  
**KRISTA FERRELL  
 304-558-2596**

RFQ COPY  
 TYPE NAME/ADDRESS HERE

VENDOR

**SUMMIT ELECTRIC CORP.  
 P.O. BOX 254  
 HURRICANE, WV 25526-0254**

SHIP TO

**DEPARTMENT OF ADMINISTRATION  
 GENERAL SERVICES DIVISION  
 BUILDING FIVE - HIGHWAYS  
 1900 KANAWHA BOULEVARD, EAST  
 CHARLESTON, WV  
 25305 304-558-2317**

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
12/30/2008				

BID OPENING DATE: **01/29/2009** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
------	----------	-----	---------	-------------	------------	--------

WEST VIRGINIA STATE CODE 21-11-2 REQUIRES THAT ALL PERSONS DESIRING TO PERFORM CONTRACTING WORK IN THIS STATE MUST BE LICENSED. THE WEST VIRGINIA CONTRACTORS LICENSING BOARD IS EMPOWERED TO ISSUE THE CONTRACTORS LICENSE. APPLICATIONS FOR A CONTRACTORS LICENSE MAY BE MADE BY CONTACTING THE WEST VIRGINIA DIVISION OF LABOR CAPITOL COMPLEX, BUILDING 3, ROOM 319, CHARLESTON, WV 25305. TELEPHONE: (304) 558-7890.

WEST VIRGINIA STATE CODE 21-11-11 REQUIRES ANY PROSPECTIVE BIDDER TO INCLUDE THE CONTRACTORS LICENSE NUMBER ON THEIR BID.

BIDDER TO COMPLETE:

CONTRACTORS NAME: .... *Summit Electric Corp., Inc.* .....

CONTRACTORS LICENSE NO.: .. *WV.00.2132* .....

THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FURNISH A COPY OF THEIR CONTRACTORS LICENSE PRIOR TO ISSUANCE OF A PURCHASE ORDER/CONTRACT

**APPLICABLE LAW**

THE WEST VIRGINIA STATE CODE, PURCHASING DIVISION RULES AND REGULATIONS, AND THE INFORMATION PROVIDED IN THE "REQUEST FOR QUOTATION" ISSUED BY THE PURCHASING DIVISION IS THE SOLE AUTHORITY GOVERNING THIS PROCUREMENT.

ANY INFORMATION PROVIDED IN SPECIFICATION MANUALS, OR ANY OTHER SOURCE, VERBAL OR WRITTEN, WHICH CONTRADICTS OR ALTERS THE INFORMATION PROVIDED FROM THE SOURCES AS DESCRIBED IN THE ABOVE PARAGRAPH IS VOID AND OF NO

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Dwight K. Hayes</i>	TELEPHONE <i>502-7091</i>	DATE <i>2/5/09</i>
TITLE <i>President</i>	FEIN <i>55-0619313</i>	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



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

# Request for Quotation

RFQ NUMBER  
**GSD096406**

PAGE  
**9**

ADDRESS CORRESPONDENCE TO ATTENTION OF  
**KRISTA FERRELL  
 304-558-2596**

**RFQ COPY**  
 TYPE NAME/ADDRESS HERE

VENDOR

**SUMMIT ELECTRIC CORP.**  
 P.O. BOX 254  
 HURRICANE, WV 25526-0254

SHIP TO

**DEPARTMENT OF ADMINISTRATION  
 GENERAL SERVICES DIVISION  
 BUILDING FIVE - HIGHWAYS  
 1900 KANAWHA BOULEVARD, EAST  
 CHARLESTON, WV  
 25305 304-558-2317**

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
12/30/2008				

BID OPENING DATE: **01/29/2009** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<p><b>EFFECT:</b></p> <p><b>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT IS AUTOMATICALLY NULL AND VOID, AND IS TERMINATED WITHOUT FURTHER ORDER.</b></p> <p><b>REV. 1/2005</b></p> <p style="text-align: center;"><b>NOTICE</b></p> <p><b>A SIGNED BID MUST BE SUBMITTED TO:</b></p> <p style="text-align: center;"><b>DEPARTMENT OF ADMINISTRATION          PURCHASING DIVISION          BUILDING 15          2019 WASHINGTON STREET, EAST          CHARLESTON, WV 25305-0130</b></p> <p><b>THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:</b></p> <p><b>SEALED BID</b></p> <p><b>BUYER: KRISTA FERRELL-FILE 21</b></p> <p><b>REQ. NO.: GSD096406</b></p> <p><b>BID OPENING DATE: 01/29/2009</b></p> <p><b>BID OPENING TIME: 1:30 PM</b></p> <p><b>PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID:</b></p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Remylye Hayato</i>	TELEPHONE 562-7091	DATE 2/5/09
TITLE President	FAX 55-0619313	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



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

# Request for Quotation

RFQ NUMBER  
**GSD096406**

PAGE  
**10**

ADDRESS CORRESPONDENCE TO ATTENTION OF  
**KRISTA FERRELL  
 304-558-2596**

RFQ COPY

TYPE NAME/ADDRESS HERE

**SUMMIT ELECTRIC CORP.  
 P.O. BOX 254  
 HURRICANE, WV 25526-0254**

RFQ COPY

**DEPARTMENT OF ADMINISTRATION  
 GENERAL SERVICES DIVISION  
 BUILDING FIVE - HIGHWAYS  
 1900 KANAWHA BOULEVARD, EAST  
 CHARLESTON, WV  
 25305 304-558-2317**

DATE PRINTED <b>12/30/2008</b>	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
-----------------------------------	---------------	----------	--------	---------------

BID OPENING DATE: **01/29/2009** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	QAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>----- <b>562-7137</b> -----</p> <p>PLEASE PRINT OR TYPE NAME OF PERSON TO CONTACT CONCERNING THIS QUOTE:</p> <p>----- <b>Jermi Nayslett</b> -----</p>						
***** THIS IS THE END OF RFQ GSD096406 ***** TOTAL:						<u>1,449,777.00</u>

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Jermi Nayslett</i>	TELEPHONE <b>562-7091</b>	DATE <b>2/5/09</b>
TITLE <b>President</b>	FEIN <b>55-0619313</b>	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

**BID SHEET**

**Base bid includes:** all labor, materials, equipment, supplies, fees, travel expenses and associated costs to perform the entire three-phase project, as described herein.

Phase I	\$ <u>462,862</u> .00
Phase II	\$ <u>415,960</u> .00
Phase III	\$ <u>570,955</u> .00
Your total bid for the work as described herein is: (Combined Phases I, II & III)	\$ <u>1,449,777</u> .00

Single award will be made to the vendor with the lowest total bid; cost breakdown by Phase is for accounting/progress billing purposes only.

Contractor signature and date *Gerrylee Haylett* *2/5/09*  
*Summit Elec. Corp*

## Equipment List

Please complete the below information concerning the brand(s) of equipment being bid in relation to this project. If bidding "or equal" brands, please attach manufacturer's literature documenting that it meets the mandatory requirements stated in the specifications. This information does not replace the formal submittal process outlined in the General Hardware Specifications.

Equipment	Manufacturer	Model
Phase I		
Switchboard	Cutler Hammer	PRLC Switchboard
Transformer	Cutler Hammer	VPI Dry Type
Busway	Cutler Hammer	Pow-R-way III
Phase II		
Switchboard	Cutler Hammer	PRLC Switchboard
Transformer	Cutler Hammer	VPI Dry Type
Busway	Cutler Hammer	Pow-R-way III
Phase III		
Switchboard 1	Cutler Hammer	PRLC Switchboard
Switchboard 2	Cutler Hammer	PRLC Switchboard
Busway	Cutler Hammer	Pow-R-way III
Interrupter Switches	Cutler Hammer	MVS Load Interrupter
Transformer	Cutler Hammer	VPI Dry Type

RFQ No. ES0096406STATE OF WEST VIRGINIA  
Purchasing Division**PURCHASING AFFIDAVIT****VENDOR OWING A DEBT TO THE STATE:**

**West Virginia Code §5A-3-10a** provides that: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

**PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:**

**West Virginia Code §21-1D-5** provides that: Any solicitation for a public improvement construction contract shall require each vendor that submits a bid for the work to submit at the same time an affidavit that the vendor has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the West Virginia Code. A public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the West Virginia Code and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the West Virginia Code may take place before their work on the public improvement is begun.

**ANTITRUST:**

In submitting a bid to any agency for the state of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the state of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the state of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the state of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership or person or entity submitting a bid for the same materials, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

**LICENSING:**

Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

**CONFIDENTIALITY:**

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendors should visit [www.state.wv.us/admin/purchase/privacy](http://www.state.wv.us/admin/purchase/privacy) for the Notice of Agency Confidentiality Policies.

Under penalty of law for false swearing (West Virginia Code §61-5-3), it is hereby certified that the vendor acknowledges the information in this said affidavit and is in compliance with the requirements as stated.

Vendor's Name: Summit Electric Corporation, Inc.Authorized Signature: [Signature] Date: 2/5/09





State of West Virginia
DRUG FREE WORKPLACE CONFORMANCE AFFIDAVIT
West Virginia Code §21-1D-5

STATE OF WEST VIRGINIA,
COUNTY OF Putnam, TO-WIT:

I, Terry J. Hayslett, after being first duly sworn, depose and state as follows:

- 1. I am an employee of SUMMIT ELECTRIC CORP. P.O. BOX 254 HURRICANE, WV 25526-0254; and,
2. I do hereby attest that SUMMIT ELECTRIC CORP. P.O. BOX 254 HURRICANE, WV 25526-0254

maintains a valid written drug free workplace policy and that such policy is in compliance with West Virginia Code §21-1D-5.

The above statements are sworn to under the penalty of perjury. SUMMIT ELECTRIC CORP. P.O. BOX 254 HURRICANE, WV 25526-0254 (Company Name)

By: Terry J. Hayslett
Title: President
Date: 2/5/09

Taken, subscribed and sworn to before me this 5th day of Feb., 2009
By Commission expires Oct. 25, 2010

(Seal) OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA KATHY L. HICKS P. O. BOX 255 CULLODEN, WV 25510 My Commission Expires October 25, 2010 Kathy L. Hicks (Notary Public)

THIS AFFIDAVIT MUST BE SUBMITTED WITH THE BID IN ORDER TO COMPLY WITH WV CODE PROVISIONS. FAILURE TO INCLUDE THE AFFIDAVIT WITH THE BID SHALL RESULT IN DISQUALIFICATION OF THE BID.

# Eaton Corporation

600A Prestige Park  
Suite 2  
Hurricane WV 25526



02/04/2009

Project Name:	Capitol Building Phase 1
Through Addendum #:	N/A
Bid Date:	02/04/2009
Our Negotiation #:	CR790203C901
Local Eaton Sales Contact Name & Phone Number:	Scott Bradley (304) 767-9878

We are pleased to quote the above named project for you.

In accordance with our interpretation of the plans and specifications, Eaton Corporation is pleased to offer the following Bill of Material for your consideration. This offer to sell is expressly conditional on your acceptance of the current applicable Eaton Corporation Selling and Price Policy for the equipment proposed.

## Quote for Phase 1

### Lead Times for Phase 1

**Busway – 8 weeks After Release of Order**  
**Transformer – 10 weeks After Release of Order**  
**Switchboard – 13 weeks After Release of Order**

Selling Policy 25-000 applies.

**Qty Description**

2500/3333 KVA VPI Secondary Unit Substation  
3 Phase 60 Hertz, 150/150 Degree C Rise, 4A/FA  
30 Average / 40 Maximum Ambient  
5.75 Percent Impedance with +/- ANSI Standard Tolerance  
Phase relation Dyn1  
3300 Feet Maximum Altitude  
68 dB(a) Guaranteed Sound Level (AA)  
Approximate Dimensions: Ht 102 in X Wd 96 in X Dp 60 in  
Approximate Total Weight: 12277 lbs

**HIGH VOLTAGE 12470 Delta**

60 KV BIL  
Taps: +2 -2 2.5%  
Copper Conductor  
Bus To Ends - HV  
Top Entry - HV

**LOW VOLTAGE 480Y/277**

10 KV BIL  
Taps: No Taps  
Copper Conductor  
Indoor Bus Way - LV

**DOCUMENTS**

12/18 month standard warranty  
Customer Drawings

**ENCLOSURES**

Copper Ground Bus, .25 " X 2.00"  
End Sheets  
Louvered Ventilation  
NEMA 1 (Indoor Ventilated)

**FINISH**

ANSI 61 Paint

**MONITORING**

.6KV Class Control Power Transformer  
Qualitrol 3-Phase Series 118

**SHIPPING**

Free Carrier - Origin - Freight Prepaid and Allowed

**TEST**

UL Listing  
The calculated efficiency @ 50% Load, PF of 1, NL @ 20 Degrees C and LL @ 75 Degree C for units offered on this quotation is not in conformance with the DOE efficiency standard which becomes effective January 1, 2010.

**Item 10 General Comments and Exceptions**

- Quote based on the BOM above only.
- No ATC included in the quote due to the space requirements. IF a ATC with 14ga material is required add \$1000 to pricing and 12" to the width.

**Lead Times**

Drawing Submittal	: 2-4 Weeks after receipt of order.
Approval Order (Shipment)	: 10-12 Weeks after return of approved drawings.
Firm Order (Shipment)	: 10-12 Weeks after receipt of order.

## Switchboard General Information

### Pow-R-Line C -Specifications

Quantity: 1  
 Alignment: Front Access/ Front and Rear Align  
 Service: 480Y/277V 3-Phase 4-Wire Minimum Interrupt Rating: 65 kA

### Bus Specifications

Bus Amps: 4000 Bus Bracing Rating: 65kA  
 Neutral Amps: 4000  
 Bus Material: Silver Plated Copper Heat Test  
 Silver Plated Copper Ground Bus Bolted To Frame, (1) 350 kcmil Ground Lug

### Incoming Information

Incoming Entry: Top Incoming Location: Left  
 Incoming Qty & Size: Bus Duct, Top, Copper, 4000 Amps

### Structure Specifications

Non Service Entrance  
 Enclosure Type: Type 1

### Enclosure properties

Struct #	Description/Modifications
1	Top incoming main device (Incoming Main Device/MLO Section) Bus Duct Connection: Top, Copper, 4000 Amps Centered Left to right Center Line is 18 inches from Rear
2	50x chassis mounted feeders (Feeder Structure)

The information on this document is created by Eaton Corporation. It is disclosed in confidence and it is only to be used for the purpose in which it is supplied.

NEG-ALT NUMBER  
 CR790203C901-0001

PREPARED BY  
 CR79

APPROVED BY

DATE  
 02/04/09

**Eaton Corporation**

Sumter, SC

DATE

JOB NAME Main Capitol Electrical Upgrade

DESIGNATION MDP PHASE 1

REVISION

5.6

TYPE

Switchboards

DRAWING TYPE

Customer Appr.

REVISION

1

CHK. SIZE

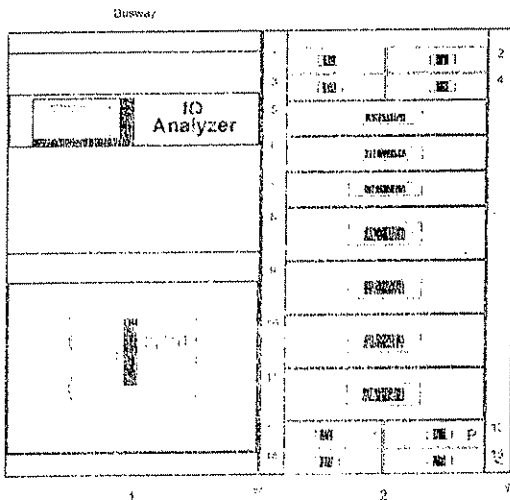
A

G. D.

ITEM

SHEET

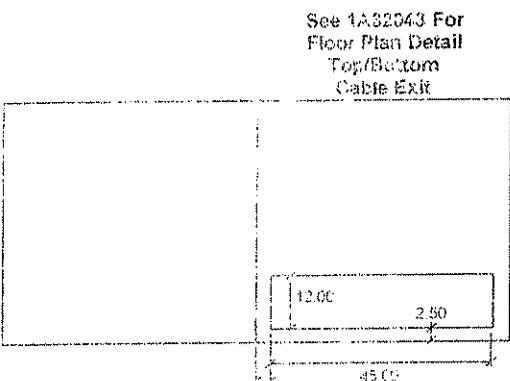
1 OF 3



Front View



Power Flow



Floor Plan

Total of 2 Structures, Total Width of 102 Inches

Width-Inches	51.00	51.00
Width-MM	1295	1295
Depth-Inches	54.00	54.00
Depth-MM	1371	1371
Height-Inches	90.00	90.00
Height-MM	2286	2286
Weight-Lbs(Est.)	2000	2000
Weight-Kg(Est.)	907	907

The information on this document is created by Eaton Corporation. It is disclosed in confidence and it is only to be used for the purpose in which it is supplied.

NEG-ALT NUMBER  
CR790203C901-0001

PREPARED BY CR79	DATE 02/04/09
APPROVED BY	DATE
REVISION	DATE

<b>Eaton Corporation</b>		Sumter, SC
JOB NAME	Main Capitol Electrical Upgrade	
DESIGNATION	MDP PHASE 1	
TYPE	Switchboards	DRAWING TYPE Customer Appr.
ITEM		SHEET 2 OF 3

### Switchboard Units Information

Str#	Unit	Description/Modifications	Nameplate
1		Main Brkr.-4000 A. Magnum DS Brkr MDS-C40 [Drawout-Manual], Trip 4000 A. RMS520 LSI, 100% rated Terminals, Mechanical, (11) #4-500 kcmil, Top Lockoff Devices: Padlockable Hasp  4000 Amp Customer Metering - IO Analyzer 6630, CTs MPONI (Modbus PONI (RS-485))	
2	1	Feeder Brkr.-125A 3P [HFD 225A Frame], Trip 125 A. Thermal Mag Terminals, Mechanical, #4-4/0	
	2	Feeder Brkr.-125A 3P [HFD 225A Frame], Trip 125 A. Thermal Mag Terminals, Mechanical, #4-4/0	
	3	Feeder Brkr.-225A 3P [HFD 225A Frame], Trip 225 A. Thermal Mag Terminals, Mechanical, #4-4/0	
	4	Feeder Brkr.-225A 3P [HFD 225A Frame], Trip 225 A. Thermal Mag Terminals, Mechanical, #4-4/0	
	5	Feeder Brkr.-600A 3P [LGH 600A Frame], Trip 600 A. Thermal Mag Terminals, Mechanical, (2) #2-500 kcmil	
	6	Feeder Brkr.-600A 3P [LGH 600A Frame], Trip 600 A. Thermal Mag Terminals, Mechanical, (2) #2-500 kcmil	
	7	Feeder Brkr.-600A 3P [LGH 600A Frame], Trip 600 A. Thermal Mag Terminals, Mechanical, (2) #2-500 kcmil	
	8	Feeder Brkr.-600A 3P [HMDL 600A Frame], Trip 600 A. Thermal Mag Terminals, Mechanical, (2) 500-750 kcmil	
	9	Feeder Brkr.-800A 3P [HMDL 800A Frame], Trip 800 A. Thermal Mag Terminals, Mechanical, (2) 500-750 kcmil	
	10	Feeder Brkr.-800A 3P [HMDL 800A Frame], Trip 800 A. Thermal Mag Terminals, Mechanical, (2) 500-750 kcmil	
	11	Feeder Brkr.-800A 3P [HMDL 800A Frame], Trip 800 A. Thermal Mag Terminals, Mechanical, (2) 500-750 kcmil	
	12	Feeder Brkr.-70A 3P [HFD 225A Frame], Trip 70 A. Thermal Mag Terminals, Mechanical, #14-1/0	
	13	Feeder Brkr.-3P [HFD 225A Frame] Provision	
	14	Feeder Brkr.-125A 3P [HFD 225A Frame], Trip 125 A. Thermal Mag Terminals, Mechanical, #4-4/0	
	15	Feeder Brkr.-125A 3P [HFD 225A Frame], Trip 125 A. Thermal Mag Terminals, Mechanical, #4-4/0	

The information on this document is created by Eaton Corporation. It is disclosed in confidence and it is only to be used for the purpose in which it is supplied.

PREPARED BY: CURTS  
 DATE: 02/04/09  
 CHECKED BY:  
 DATE:

**Eaton Corporation** Sumter, SC

JOB NAME: Main Capitol Electrical Upgrade

DESIGNATION: MDP PHASE 1

REVISION

TYPE: Switchboards

DRAWING TYPE

Customer Appr.

NEG-ALT NUMBER

CR790203C901-0001

ISSUED

REV. DATE

REV

ITEM

SHEET

3 OF 3

Eaton Corporation - Scott Bradley  
Neg# CR790203C901 Alt# 0001  
Job Name: Main Capitol Electrical Upgrade  
Customer Bill of Material

02/04/09

13:25:14

1 [REDACTED]  
General Description: Busway, 3 Phase, 4 Wire, 100% Neutral, 4000A, 480/277V, Copper, 50% Integral/Housing Ground

24 ft. of 4000A, Indoor Busway w/ 100% Neutral And 50% Integral/Housing Ground  
3 Traditional Elbow (4000A)  
2 Wall/Floor Flange (4000A)  
1 Dly Type Flange (4000A)  
1 Standard Flange (4000A)

Designations: BUS PHASE 1

1 [REDACTED]  
Pow-R-Line C Switchboard, Front Access/ Front and Rear Align, Type J  
480Y/277V 3-Phase 4-Wire, 4000 Silver Plated Copper, Minimum Interrupt Rating: 65kA, Bus Bracing Rating: 65kA

1 Pow-R-Line C  
1 4000 Amp Customer Metering - (Q) Analyzer 6630, CTs  
1 4000 Amp Silver Plated CU Main Structure  
1 Digitrip RMS520 LSI - Standard  
1 Padlockable lock-off device  
32 Nameplate  
1 4000 Amp Copper Busway Connection  
1 MPOKI (Modbus PONI) (RS-485)  
1 4000 Amp Silver Plated CU Distribution Structure  
14 Thermal Mag Trip - Standard  
1 4000 A, Magnum DS Brkr MDS-C40 (Drawout-Manual), Trip 4000 A., RMS520 LSI, (11) #4-500 kcmil,

Mechanical, Top

4 800A 3P [HFDL 800A Frame], Trip 800 A., Thermal Mag, (2) 500-750 kcmil, Mechanical  
3 600A 3P [LGH 600A Frame], Trip 600 A., Thermal Mag, (2) #2-500 kcmil, Mechanical  
2 225A 3P [HFD 225A Frame], Trip 225 A., Thermal Mag, #4-4/0, Mechanical  
4 125A 3P [HFD 225A Frame], Trip 125 A., Thermal Mag, #4-4/0, Mechanical  
1 70A 3P [HFD 225A Frame], Trip 70 A., Thermal Mag, #14-1/0, Mechanical  
1 5P [HFD 225A Frame] Provision.

Designations: MDP PHASE 1

**All orders must be released for manufacture within 90 days of date of order entry. If approval drawings are required, drawings must be returned approved for release within 60 days of mailing. If drawings are not returned accordingly, and/or if shipment is delayed for any reason, the price of the order will increase by 1.0% per month or fraction thereof for the time the shipment is delayed.**

Eaton Selling Policy 25-000 applies.

# Eaton Corporation

600A Prestige Park  
Suite 2  
Hurricane WV 25526



02/04/2009

Project Name:	Main Capitol Electrical Upgrade
Through Addendum #:	2
Bid Date:	02/04/2009
Our Negotiation #:	CR790203C901
Local Eaton Sales Contact Name & Phone Number:	Scott Bradley (304) 757-9878

We are pleased to quote the above named project for you.

In accordance with our interpretation of the plans and specifications, Eaton Corporation is pleased to offer the following Bill of Material for your consideration. This offer to sell is expressly conditional on your acceptance of the current applicable Eaton Corporation Selling and Price Policy for the equipment proposed.

## Notes

Products quoted in this BOM are manufactured in the United States, per the specification. Manufacturing locations are Greenwood SC, Sumter SC, and Bland VA.

As of today, many switchgear competitors do not meet the specification as they manufacture their switchboards in the country of Mexico (specification on page 5).

Eaton switchboard for Phase 1 is 20" smaller in width than the proposed competitor's layout.

Eaton switchboard for Phase 3 is 24" smaller in width than the proposed competitor's layout.

Eaton transformers for Phase 3 are 24" smaller in length than the proposed competitor's layout. This space savings can be critical as the load interrupter switches will need to be installed away from the exterior wall, as opposed to against it in the proposed layout.

**Scott Bradley**  
**Eaton Corporation**  
600A Prestige Park  
Suite 2  
Hurricane, W.V. 25526  
Phone: 304 757 9878  
Fax: 304 757 9879  
Cell: 304 380 1593  
[BrianSBradley@eaton.com](mailto:BrianSBradley@eaton.com)  
[www.eaton.com](http://www.eaton.com)



### General Comments and Clarifications

1. *This quote is good for 30 days. Prior to any activity with this quotation after 30 days from date on page one, price renegotiation may be required.*
2. *Any standard dry type transformers are quoted as NEMA TP-1 Energy Efficient to meet the Energy Policy Act of 2005 (Federal law 10 CFR Part 431).*
3. *Miscellaneous items (safety switches, enclosed circuit breakers, motor starters, etc.) are not included in this quote unless shown as a separate line item in this bill of material.*
4. *No start-up, coordination study, short-circuit study, or training is included unless shown as a separate line item in this bill of material.*
5. *No low voltage fuses are included.*
6. *Dry-type transformers do not include primary or secondary terminal lugs.*
7. *Spare parts are not included unless shown as a separate line item on this bill of material.*
8. *Submittal documents and Operation & Maintenance manuals will be standard Eaton Corporation drawing configuration.*
9. *Shipping splits for equipment assemblies will be made at the discretion of Eaton Corporation unless a specific request is made on Eaton Corporation Approval Drawings and provided prior to release for manufacture.*
10. *Overload heaters are NOT included in the price unless shown as a separate line item.*
11. *Equipment proposed is finished using Eaton Corporation standard paint procedures unless otherwise noted.*

### Terms and Conditions Summary

1. *This proposal is offered per Eaton Electrical Selling Policy 25000 and applicable distributor terms. Liquidated damages will not be accepted.*
2. *Freight charges are prepaid and included in the price (except on automatic transfer switches and UPS systems). Shipments are made F.O.B point of shipment.*
3. *Delivery of this equipment to any common carrier shall constitute delivery to the purchaser, and all risk of loss and damage during shipment shall pass to the purchaser at that time.*
4. *Standard Eaton Corporation warranty is eighteen (18) months from date of shipment or twelve (12) months from date of installation, whichever occurs first.*
5. *Charges for materials and/or labor to resolve an issue with Eaton Corporation equipment will not be accepted unless prior written approval from Eaton Corporation to resolve said problem has been given.*

# Eaton Corporation

600A Prestige Park  
Suite 2  
Hurricane WV 26533



02/04/2009

Project Name:	Capitol Building Phase 2
Through Addendum #:	N/A
Bid Date:	02/04/2009
Our Negotiation #:	CR790203C901
Local Eaton Sales Contact Name & Phone Number:	Scott Bradley (304) 757-9878

We are pleased to quote the above named project for you.

In accordance with our interpretation of the plans and specifications, Eaton Corporation is pleased to offer the following Bill of Material for your consideration. This offer to sell is expressly conditional on your acceptance of the current applicable Eaton Corporation Selling and Price Policy for the equipment proposed

## Quote for Phase 2:

### Lead Times for Phase 2

- Busway – 8 weeks After Release of Order
- Transformer – 10 weeks After Release of Order
- Load Interrupter Switch – 12 weeks After Release of Order
- Switchboard – 13 weeks After Release of Order

Selling Policy 25-02 1/1/09

**Qty Description**

1 1000/1303 KVA VPI Secondary Unit Substation  
 3 Phase 60 Hertz, 150/150 Degree C Rise, AA/FA  
 30 Average / 40 Maximum Ambient  
 5 Percent Impedance (Minimum)  
 Phase relation Dyn 1  
 3300 Feet Maximum Altitude  
 64 dB(a) Guaranteed Sound Level (AA)  
 Approximate Dimensions: Ht 90 in X Wd 84 in X Dp 54 in  
 Approximate Total Weight: 6960 lbs

**HIGH VOLTAGE 12476 Delta**

60 KV BIL  
 Taps: +2 -2 2.5%  
 Copper Conductor  
 Direct Cable to MVS - HV

**LOW VOLTAGE 208Y/120**

10 KV BIL  
 Taps: No Taps  
 Copper Conductor  
 Indoor Bus Way - LV

**DOCUMENTS**

12/18 month standard warranty  
 Customer Drawings

**ENCLOSURES**

Copper Ground Bus .25" X 2.00"  
 Louvered Ventilation  
 NEMA 1 (Incor Ventilated)

**FINISH**

ANSI 61 Paint

**MONITORING**

Control Power Bus Contained 120 Volts  
 Quality: 3-Phase Series 118

**SHIPPING**

Free Carrier - Origin - Freight Prepaid and Allowed

**TEST**

UL Listing

The calculated efficiency @ 50% Load, PF of 1, NL @ 20 Degrees C and LL @ 75 Degree C for units offered on this quotation is not in compliance with the DOE efficiency standard which becomes effective January 1, 2010.

**Item 20 General Comments and Exceptions**

1. Quote based on the BOM above only.
2. No ATC included in the quote due to the space requirements. IF a ATC with 14ga material is required add \$1000 to pricing and 15" to the width.
3. The Impedance is based on 5.00% at primary only, due to the secondary voltage.

**Lead Times**

Drawing Submittal	: 2-4 Weeks after receipt of order.
Approval Order (Shipment)	: 10-12 Weeks after return of approved drawings.
Firm Order (Shipment)	: 10-12 Weeks after receipt of order.

**General Information**

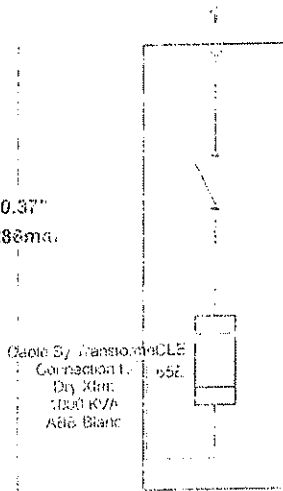
Revision:  
Brian Bradley-4

**Switchgear Rating**  
 Voltage Class: 15 90.37"  
 System Voltage: 12.47 2288mm  
 Symm Short Circuit: 25  
 BIL: 99 KV  
 Number of Wires: 3

**Bus Specifications**  
 Bus Material: Silver-Plated Copper  
 Ground Bus Material: Cu  
 Bus Bracing: 25  
 Main Bus Amps: None  
 Bus Support Ins: Nylon Finned

**Enclosure Info:**  
 indoor  
 Int. Color: ANSI-61 Light Gray  
 Ext. Color: ANSI-61 Light Gray

**Structure Modifications**  
 Modification Str. #s  
 Third Party; NA 1  
 Blown Fuse Indication 1  
 Drive Rod: Glass Poly 1



36.00"  
914mm  
 Splits: 36"  
914mm  
1400 LB  
 = Special Apparatus

Structure	1		
Depth	55.25		
Switch Rating	600		
Momentary Rating	40		
NP Integ. Rating	25		
FUSE	Class	Current Limiting-E	
OR	Type	CLE	
VOB	Amps	65E	
	Space	None	
CABLE	Size	NEMA	
IN	#PH	2	
	Term Type	None	
CABLE	Size	By Transformer	
OUT	#PH	By Transformer	
	Term Type		
(Qty.) CT Ratio			
(Qty.) VT Ratio			
CPT Rating (KV/L)			
SURGE	KV		
ARREST	TYPE		
KEY	QTY		
INTER-LOCK	SCHEME		
Inter changeable	LC		

The information on this document is created by Eaton Corporation. It is disclosed in confidence and it is only to be used for the purpose in which it is supplied.

NEG-ALT NUMBER  
CR790203C901-0002

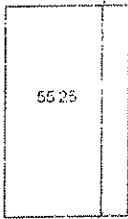
Prepared by: [Signature] Date: 6/26/10  
 Approved by: [Signature] Date: [Blank]  
 Revision: 4.8  
 Revision: [Blank]

**Eaton Corporation**  
Greenwood, SC

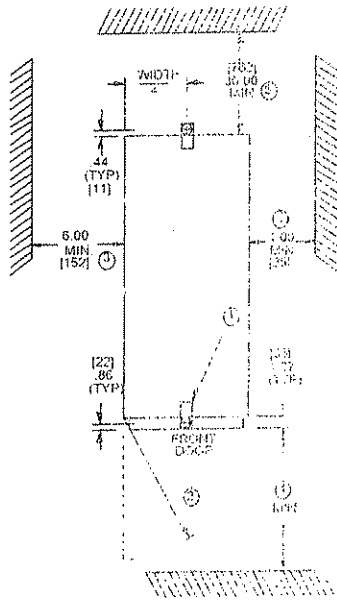
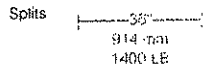
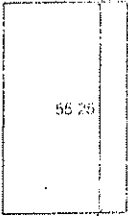
Job Name: Main Capitol Electrical Upgrade  
 Designation: LIS PHASE 2  
 Type: Medium Voltage Switches  
 Drawing Type: Customer Appr.  
 Item: [Blank]

SHEET  
1 OF 2

Roof Plan  
Rear



Floor Plan  
Rear



**TYPICAL ANCHOR PLAN FOR UNITS**

1. LOCATIONS FOR THE DOWN CURS, PROVISIONS FOR 3/4" (19.05mm) ANCHOR BOLTS.
2. DOOR OPENING EQUAL UNIT WIDTH AT 90 DEGREES.
3. MINIMUM CLEARANCES ON SIDE, LOCAL JURISDICTIONS MAY REQUIRE A LARGER CLEARANCE.
4. MINIMUM CLEARANCES IN FRONT IS THE WIDTH OF THE UNIT'S VERTICAL SECTION PLUS ONE INCH. LOCAL JURISDICTIONS MAY REQUIRE A LARGER DISTANCE.
5. MINIMUM CLEARANCES IN REAR, LOCAL JURISDICTIONS MAY REQUIRE A LARGER DISTANCE.
6. FINISHED FLOOR FINISH SURFACE SHALL BE LEVEL WITHIN 1/16" (1.5875mm) (1.59mm) (36 INCHES (914.4mm)) SET UP ON FRONT TO EACH AND DIAGONALLY, AS REQUIRED BY A LASER LEVEL.

The information on this document is created by Eaton Corporation. It is disclosed in confidence and it is only to be used for the purpose in which it is supplied.

PREPARED BY

CR79

DATE

03/04/09

**Eaton Corporation**

Greenwood, SC

APPROVED BY

DATE

JOB NAME **Main Capitol Electrical Upgrade**

DESIGNATION **LIS PHASE 2**

REVISION

0.0

TYPE

Medium Voltage Switches

DRAWING TYPE

Customer Appr.

NEG-ALT NUMBER

CR790203C901-0002

REVISION

0

DATE

0

ITEM

0

SHEET

2 OF 2

## Switchboard General Information

### Pow-R-Line C -Specifications

Quantity: 1  
 Alignment: Front Access/ Rear Align  
 Service: 208Y/120V 3-Phase 4-Wire Minimum Interrupt Rating: 42 kA

### Bus Specifications

Bus Amps: 3000 Bus Bracing Rating: 65kA  
 Neutral Amps: 3000  
 Bus Material: Silver Plated Copper Heat Test  
 Silver Plated Copper Ground Bus Bolted To Frame (1) 350 kcmil Ground Lug

### Incoming Information

Incoming Entry: Top Incoming Location: Right  
 Incoming Qty & Size: Bus Duct, Top, Copper 3000 Amps

### Structure Specifications

Non Service Entrance  
 Enclosure Type: Type 1

### Enclosure properties

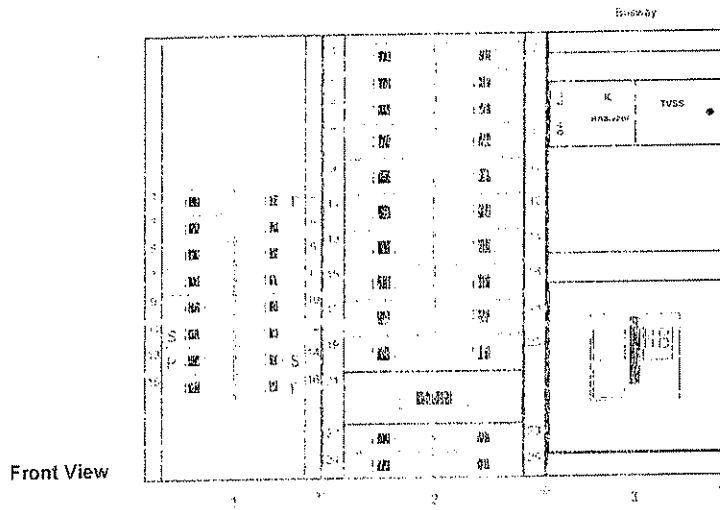
Struct #	Description/Modifications
1	50x chassis mounted feeders (Feeder Structure)
2	50x chassis mounted feeders (Feeder Structure)
3	Top incoming main device (Incoming Main Device/MLO Section) Bus Duct Connection: Top, Copper, 3000 Amps Centered Left to right; Center Line is 18 Inches from Rear

The information on this document is created by Eaton Corporation. It is disclosed in confidence and it is only to be used for the purpose in which it is supplied.

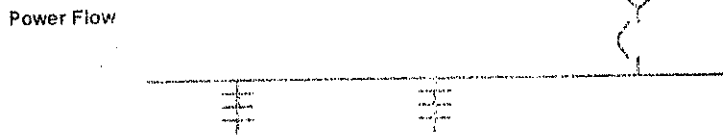
PREPARED BY	DATE
CR78	03/04/09
APPROVED BY	DATE
REVISION	REV. SIZE

<b>Eaton Corporation</b>		Sumter, SC
JOB NAME	Main Capitol Electrical Upgrade	
DESIGNATION	MDP PHASE 2	
TYPE	DRAWING TYPE	
Switchboards	Customer Appr.	
ITEM		SHEET
		1 OF 5

NEG-ALT NUMBER  
 CR790203C901-0002

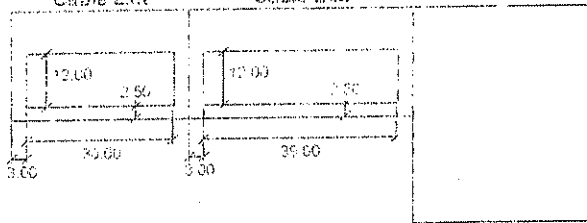


Front View



Power Flow

See 1A32042 For Floor Plan Detail Top/Bottom Cable Exit  
 See 1A32042 For Floor Plan Detail Top/Bottom Cable Exit



Total of 3 Structures, Total Width of 117 inches

Width-Inches	36.00	46.00	36.00
Width-MM	914	1168	914
Depth-Inches	39.00	21.00	39.00
Depth-MM	991	533	991
Height-Inches	60.00	90.00	60.00
Height-MM	1525	2286	1525
Weight-Lbs(Est.)	2000	2500	2000
Weight-Kg(Est.)	907	1134	907

The information on this document is created by Eaton Corporation. It is disclosed in confidence and it is only to be used for the purpose in which it is supplied.

PREPARED BY: CR79 DATE: 02/04/09

APPROVED BY: DATE: 02/11/09

REVISION: 0.6

REVISION: DATE: 02/11/09

Eaton Corporation Sumter, SC

JOB NAME: Main Capitol Electrical Upgrade

DESIGNATION: MDP PHASE 2

TYPE: Switchboards

DRAWING TYPE: Customer Appr.

NEG-ALT NUMBER: CR790203C901-0002

ITEM: SHEET

2 OF 5

### Switchboard Units Information

Str#	Unit	Description/Modifications	Nameplate
1	1	Feeder Brkr. #50A 3P (FD 225A Frame), Trip 50 A, Thermal Mag Terminals, Mechanical, #14-1/0	
	2	Feeder Brkr. #3P (FD 225A Frame) Provision	
	3	Feeder Brkr. #50A 3P (FD 225A Frame), Trip 50 A, Thermal Mag Terminals, Mechanical, #14-1/0	
	4	Feeder Brkr. #50A 3P (FD 225A Frame), Trip 50 A, Thermal Mag Terminals, Mechanical, #14-1/0	
	5	Feeder Brkr. #100A 3P (FD 225A Frame), Trip 100 A, Thermal Mag Terminals, Mechanical, #14-1/0	
	6	Feeder Brkr. #70A 3P (FD 225A Frame), Trip 70 A, Thermal Mag Terminals, Mechanical, #14-1/0	
	7	Feeder Brkr. #100A 3P (FD 225A Frame), Trip 100 A, Thermal Mag Terminals, Mechanical, #14-1/0	
	8	Feeder Brkr. #100A 3P (FD 225A Frame), Trip 100 A, Thermal Mag Terminals, Mechanical, #14-1/0	
	9	Feeder Brkr. #100A 3P (FD 225A Frame), Trip 100 A, Thermal Mag Terminals, Mechanical, #14-1/0	
	10	Feeder Brkr. #100A 3P (FD 225A Frame), Trip 100 A, Thermal Mag Terminals, Mechanical, #14-1/0	
	11	Feeder Brkr. #3P (EDS 225A Frame) Space	
	12	Feeder Brkr. #100A 3P (FD 225A Frame), Trip 100 A, Thermal Mag Terminals, Mechanical, #14-1/0	
	13	Feeder Brkr. #3P (EDS 225A Frame) Provision	
	14	Feeder Brkr. #3P (EDS 225A Frame) Space	
	15	Feeder Brkr. #225A 3P (EDS 225A Frame), Trip 225 A, Thermal Mag Terminals, Mechanical, #4-4/0	
	16	Feeder Brkr. #3P (EDS 225A Frame) Provision	

2	1	Feeder Brkr. #225A 3P (EDS 225A Frame), Trip 225 A, Thermal Mag Terminals, Mechanical, #4-4/0	
	2	Feeder Brkr. #225A 3P (EDS 225A Frame), Trip 225 A, Thermal Mag Terminals, Mechanical, #4-4/0	
	3	Feeder Brkr. #225A 3P (EDS 225A Frame), Trip 225 A, Thermal Mag Terminals, Mechanical, #4-4/0	
	4	Feeder Brkr. #225A 3P (EDS 225A Frame), Trip 225 A, Thermal Mag Terminals, Mechanical, #4-4/0	
	5	Feeder Brkr. #225A 3P (EDS 225A Frame), Trip 225 A, Thermal Mag Terminals, Mechanical, #4-4/0	
	6	Feeder Brkr. #225A 3P (EDS 225A Frame), Trip 225 A, Thermal Mag Terminals, Mechanical, #4-4/0	

The information on this document is created by Eaton Corporation. It is disclosed in confidence and it is not to be used for the purposes for which it is supplied.

	DRAWING NO. CR790203C901-0002	DATE 02/06/09	<b>Eaton Corporation</b> Sumter, SC
			JOB NAME Main Capitol Electrical Upgrade
			DESIGNATION MDP PHASE 2
			TYPE Switchboards
			DRAWING TYPE Customer Appr.
NEG-AL1 NUMBER CR790203C901-0002			SHEET 3 OF 5



- 7 Feeder Brkr.-400A 3P [DK 400A Frame], Trip 400 A, Thermal Mag  
Terminals, Mechanical, (1) 2/0-500 kcmil
- 8 Feeder Brkr.-400A 3P [DK 400A Frame], Trip 400 A, Thermal Mag  
Terminals, Mechanical, (1) 2/0-500 kcmil
- 9 Feeder Brkr.-400A 3P [DK 400A Frame], Trip 400 A, Thermal Mag  
Terminals, Mechanical, (1) 2/0-500 kcmil
- 10 Feeder Brkr.-400A 3P [DK 400A Frame], Trip 400 A, Thermal Mag  
Terminals, Mechanical, (1) 2/0-500 kcmil
- 11 Feeder Brkr.-400A 3P [DK 400A Frame], Trip 400 A, Thermal Mag  
Terminals, Mechanical, (1) 2/0-500 kcmil
- 12 Feeder Brkr.-400A 3P [DK 400A Frame], Trip 400 A, Thermal Mag  
Terminals, Mechanical, (1) 2/0-500 kcmil
- 13 Feeder Brkr.-400A 3P [DK 400A Frame], Trip 400 A, Thermal Mag  
Terminals, Mechanical, (1) 2/0-500 kcmil
- 14 Feeder Brkr.-400A 3P [DK 400A Frame], Trip 400 A, Thermal Mag  
Terminals, Mechanical, (1) 2/0-500 kcmil
- 15 Feeder Brkr.-400A 3P [DK 400A Frame], Trip 400 A, Thermal Mag  
Terminals, Mechanical, (1) 2/0-500 kcmil
- 16 Feeder Brkr.-400A 3P [DK 400A Frame], Trip 400 A, Thermal Mag  
Terminals, Mechanical, (1) 2/0-500 kcmil
- 17 Feeder Brkr.-400A 3P [DK 400A Frame], Trip 400 A, Thermal Mag  
Terminals, Mechanical, (1) 2/0-500 kcmil
- 18 Feeder Brkr.-400A 3P [DK 400A Frame], Trip 400 A, Thermal Mag  
Terminals, Mechanical, (1) 2/0-500 kcmil
- 19 Feeder Brkr.-400A 3P [DK 400A Frame], Trip 400 A, Thermal Mag  
Terminals, Mechanical, (1) 2/0-500 kcmil
- 20 Feeder Brkr.-400A 3P [DK 400A Frame], Trip 400 A, Thermal Mag  
Terminals, Mechanical, (1) 2/0-500 kcmil
- 21 Feeder Brkr.-800A 3P [MD, 300A Frame], Trip 800 A, Thermal Mag  
Terminals, Mechanical, (2) 500 T-0 kcmil
- 22 Feeder Brkr.-225A 3P [EDS 225A Frame], Trip 225 A, Thermal Mag  
Terminals, Mechanical, #4-4/0
- 23 Feeder Brkr.-225A 3P [EDS 225A Frame], Trip 225 A, Thermal Mag  
Terminals, Mechanical, #4-4/0
- 24 Feeder Brkr.-225A 3P [EDS 225A Frame], Trip 225 A, Thermal Mag  
Terminals, Mechanical, #4-4/0
- 25 Feeder Brkr.-225A 3P [EDS 225A Frame], Trip 225 A, Thermal Mag  
Terminals, Mechanical, #4-4/0

3

Main Brkr. 3000 A Magnum DS Brkr. MDS 450 [Drawout-Manual], Trip 3000 A, RMS520 LSI, 100% rated  
Terminals, Mechanical, (9) #4-500 kcmil Top  
Lockoff Hardware Padlocks (1 ea)

3000 Amp. Copper Bus Working - 12' (Standard 6000 lbs. 276  
CPE 3000 12' x 4" x 1/2" or 1 1/2" x 1/2" x 1/2" (Disconnect Included)

The information on this document is created by Eston Corporation. It is disclosed in confidence and it is only to be used for the purpose for which it is supplied.

NEG-ALT NUMBER  
CR790203C901-0002

ESTON  
CPE  
DATE: 08/20/08  
BY: CWS/BLT  
REV: 1

**Eston Corporation** Sumter, SC

PROJECT NAME: Main Capitol Electrical Upgrade  
DESIGNATION: MDP PHASE 2

TYPE: Switchboards  
DRAWING TYPE: Customer Appr.

ITEM SHEET  
4 OF 5

The information on this document is created by Eaton Corporation. It is disclosed in confidence and it is only to be used for the purpose in which it is supplied.

NEG-ALT NUMBER  
CR790203C901-0002

PREPARED BY  
CR79

APPROVED BY

REVISION  
2.5

REVISED BY

DATE  
02/04/00

DATE

DATE

**Eaton Corporation**

Sumter, SC

JOB NAME **Main Capitol Electrical Upgrade**

DESIGNATION **MDP PHASE 2**

TYPE  
**Switchboards**

DRAWING TYPE  
**Customer Appr.**

ITEM

SHEET

5 OF 5

Eaton Corporation - Scott Bradley  
Neg# CR790203C901 Alt# 0002  
Job Name: Main Capitol Electrical Upgrade  
Customer Bill of Material

02/04/09

13:31:41

[REDACTED]  
General Description: LV Busway, 3 Phase, 4 Wire, 100% Neutral, 3200A, 208/120V, Copper, 50% Integral/Housing Ground

- 20 ft. of 3200A, Indoor Busway w/ 100% Neutral And 50% Integral/Housing Ground
- 1 Dry Type Flange (3200A)
- 1 Standard Flange (3200A)
- 2 Transition Elbow (3200A)

Designation: L15 PHASE 2

[REDACTED]  
Indoor, 15 kV Max., 12.47 kV system, kV system, 3 wires, NoneA Silver-Plated Copper bus, 1 Structures,

- 1 Copper silver plated bus
- 1 15kV Switch 600A, 40kA mom, 40kA bc
- 1 Set of current limiting 65 H max fuses
- 1 Visual blown fuse indication
- 1 Cable Connection to Transformer
- 1 Nylon lined Insulators
- 1 Indoor Enclosure

Comments

Approval Drawings in 1-2 weeks or  
Formal Factory Approval Drawings in 2-4 weeks. Specify which at order entry

Shipment in 8 to 10 weeks after release for manufacture.

Price offer is based solely on the accompanying list(s) of materials. Nothing else is included.

MVS/Mch soft gear must be created per ANSI/IEEE C37.20.3, section 7.1.3 for altitudes above 3300 feet.

Designations: L15 PHASE 2

Eaton Corporation - Scott Bradley

Neg# CR790203C901 Alt# 0002

02/04/09

Job Name: Main Capitol Electrical Upgrade  
Customer Bill of Material

13:31:41

**Switchboard**

- Pow-R-Line C Switchboard, Front Access, Rear Align, Type I
- 208Y/120V 3-Phase 4-Wire, 3000 Silver Plated Copper, Minimum Interrupt Rating: 42kA, Bus Bracing Rating: 65kA
- 1 Pow-R-Line C
- 3 Switchboard - Front Access, Rear Align
- 1 3000 Amp Customer Metering - (C) Analyzer 6630, CTs
- 2 3000 Amp Silver Plated CU Distribution Structure
- 42 Nameplate
- 36 Thermal Mag Trip - Standard
- 1 3000 Amp Silver Plated CU Main Structure
- 1 Digitrip RMS520 LSI - Standard
- 1 Padlockable lockoff device
- 1 3000 Amp Copper Busway Connection
- 1 MPONI (modbus PONI) R2-485
- 1 CPS 3000A TVSS with Advisor Diagnostic Package, (Disconnect Included)
- 1 800A 3P [MDL 800A Frame], Trip 300 A., Thermal Mag, (2) 500-750 kcmil, Mechanical
- 14 400A 3P [DK 400A Frame], Trip 400 A., Thermal Mag, (1) 2/0-500 kcmil, Mechanical
- 11 225A 3P [EIS 225A Frame], Trip 225 A., Thermal Mag, #4-4/0, Mechanical
- 2 3P [EIS 225A Frame] Provision.
- 2 3P [EIS 225A Frame] Space.
- 6 100A 3P [FD 225A Frame], Trip 100 A., Thermal Mag, #14-1/0, Mechanical
- 1 70A 3P [FD 225A Frame], Trip 70 A., Thermal Mag, #14-1/0, Mechanical
- 3 50A 3P [FD 225A Frame], Trip 50 A., Thermal Mag, #14-1/0, Mechanical
- 1 3P [FD 225A Frame] Provision.
- 1 3000 A. Magna DS Brk MDS-630 [Drawout-Manual], Trip 3000 A., RMS520 LSI, (8) #4-500 kcmil, Mechanical, Top

Designation: MDP PHASE 2

**All orders must be released for manufacture within 90 days of date of order entry. If approval drawings are required, drawings must be returned approved for release within 60 days of mailing. If drawings are not returned accordingly, and/or if shipment is delayed for any reason, the price of the order will increase by 1.0% per month or fraction thereof for the time the shipment is delayed.**

# Eaton Corporation

600A Prestige Park  
Suite 2  
Hurricane WV 25526



02/04/2009

Project Name:	Capitol Building Phase 3
Through Addendum #:	N/A
Bid Date:	02/04/2009
Our Negotiation #:	CR790203C901
Local Eaton Sales Contact Name & Phone Number:	Scott Bradley (304) 757-9878

We are pleased to quote the above named project for you.

In accordance with our interpretation of the plans and specifications, Eaton Corporation is pleased to offer the following Bill of Material for your consideration. This offer to sell is expressly conditional on your acceptance of the current applicable Eaton Corporation Selling and Price Policy for the equipment proposed.

## Quote for Phase 3

### Lead Times for Phase 3

**Busway – 8 weeks After Release of Order**

**Transformer – 10 weeks After Release of Order**

**Load Interrupter Switch – 12 weeks After Release of Order**

**Switchboard – 13 weeks After Release of Order**

Selling Policy 25-000 applies.

**Qty Description**

2 500/667 KVA VPI Secondary Unit Substation  
3 Phase 60 Hertz, 150/150 Degree C Rise, AA/FA  
30 Average / 40 Maximum Ambient  
5 Percent Impedance (Minimum)  
Phase relation Dyn1  
3300 Feet Maximum Altitude  
60 dB(a) Guaranteed Sound Level (AA)  
Approximate Dimensions: Ht 90 in X Wd 72 in X Dp 54 in  
Approximate Total Weight: 4471 lbs

**HIGH VOLTAGE 12470 Delta**

60 KV BIL  
Taps: +2 -2 2.5%  
Copper Conductor  
Direct Cable to MVS - HV

**LOW VOLTAGE 208Y/120**

10 KV BIL  
Taps: No Taps  
Copper Conductor  
Indoor Bus Way - LV

**DOCUMENTS**

12/18 month standard warranty  
Customer Drawings

**ENCLOSURES**

Copper Ground Bus, .25 " X 2.00"  
Louvered Ventilation  
NEMA 1 (Indoor Ventilated)

**FINISH**

ANSI 61 Paint

**MONITORING**

Control Power Self Contained 120 Volts  
Qualitrol 3-Phase Series 118

**SHIPPING**

Free Carrier - Origin - Freight Prepaid and Allowed

**TEST**

UL Listing  
The calculated efficiency @ 50% Load, PF of 1, NL @ 20 Degrees C and LL @ 75 Degree C for units offered on this quotation is not in compliance with the DOE efficiency standard which becomes effective January 1, 2010.

**Item 30 General Comments and Exceptions**

1. Quote based on the BOM above only.
2. No ATC included in the quote due to the space requirements. IF a ATC with 14ga material is required add \$1000 to pricing and 18" to the width.
3. The Impedance is based on 5.00% minimum only, due to the secondary voltage.

**Lead Times**

Drawing Submittal	: 2-4 Weeks after receipt of order.
Approval Order (Shipment)	: 10-12 Weeks after return of approved drawings.
Firm Order (Shipment)	: 10-12 Weeks after receipt of order.

**General Information**

Revision  
Brian Bradley-5

**Switchgear Rating**

Voltage Class: 15  
System Voltage: 12.47  
Symm Short Circuit: 40  
BIL: 95 KV  
Number of Wires: 3

**Bus Specifications**

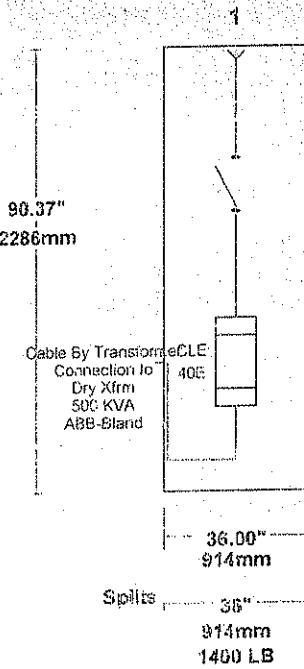
Bus Material: Silver-Plated Copper  
Ground Bus Material: Cu  
Bus Bracing: 40  
Main Bus Amps: None  
Bus Support Ins: Nylon Finned

**Enclosure Info:**

Indoor  
Int. Color: ANSI-61 Light Gray  
Ext. Color: ANSI-61 Light Gray

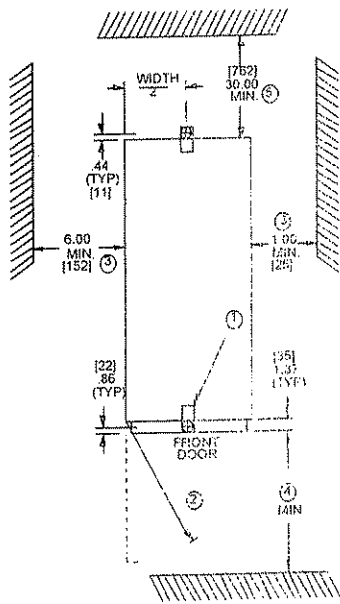
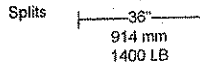
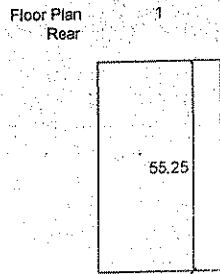
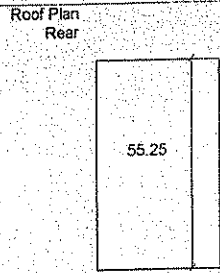
**Structure Modifications**

Modification Str. #s  
Third Party; NA 1  
Blown Fuse Indication 1  
Drive Rod; Glass Poly 1



Structure	1	
Depth	55.25	
Switch Rating	600	
Momentary Rating	40	
NP Integ. Rating	40	
FUSE	Class	Current Limiting-E
OR	Type	CLE
VCB	Amps	40E
	Spare	None
CABLE	Size	NEMA
	IN #/PH	2
	Term Type	None
CABLE	Size	By Transformer
	OUT #/PH	By Transformer
	Term Type	
(Qty.) CT Ratio		
(Qty.) VT Ratio		
CPT Rating (KVA)		
SURGE	KV	
ARREST	TYPE	
KEY	QTY	
INTER-LOCK	SCHEME	
Inter-change(s)	LC	
	LD	
	LC	

The information on this document is created by Eaton Corporation. It is disclosed in confidence and it is only to be used for the purpose in which it is supplied.	PREPARED BY	DATE	<b>Eaton Corporation</b>		Greenwood, SC
	CR79	02/04/09	JOB NAME	Main Capitol Electrical Upgrade	
	APPROVED BY	DATE	DESIGNATION	LIS PHASE 3	
	VERSION	6.6	TYPE	Medium Voltage Switches	DRAWING TYPE
NEG-ALT NUMBER	REVISION	DWG. SIZE	G.O.	ITEM	SHEET
CR790203C901-0003		A			1 OF 2



**TYPICAL ANCHOR PLAN FOR UNITS**

- ① LOCATIONS FOR TIE-DOWN CLIPS, PROVISIONS FOR 0.50 (13) INCH ANCHOR BOLTS.
- ② DOOR SWING EQUALS UNIT WIDTH AT 90 DEGREES.
- ③ MINIMUM CLEARANCES ON SIDE. LOCAL JURISDICTIONS MAY REQUIRE A LARGER CLEARANCE.
- ④ MINIMUM CLEARANCES IN FRONT IS THE WIDTH OF THE WIDEST VERTICAL SECTION PLUS ONE INCH. LOCAL JURISDICTIONS MAY REQUIRE A LARGER DISTANCE.
- ⑤ MINIMUM CLEARANCES IN REAR. LOCAL JURISDICTIONS MAY REQUIRE A LARGER DISTANCE.
- ⑥ FINISHED FOUNDATION'S SURFACE SHALL BE LEVEL WITHIN 0.0125 INCH (0.3175mm) IN 36 INCHES (914.4mm) LEFT-TO-RIGHT, FRONT-TO-BACK, AND DIAGONALLY, AS MEASURED BY A LASER LEVEL.

The information on this document is created by Eaton Corporation. It is disclosed in confidence and it is only to be used for the purpose in which it is supplied.

PREPARED BY CR79	DATE 02/04/09	Eaton Corporation Greenwood, SC	
APPROVED BY	DATE	JOB NAME Main Capitol Electrical Upgrade	DESIGNATION LIS PHASE 3
VERSION 6.6		TYPE Medium Voltage Switches	DRAWING TYPE Customer Appr.
REVISION 0	DWG SIZE A	G.C. ITEM	SHEET 2 OF 2

NEG-ALT NUMBER  
CR790203C901-0003



## Switchboard General Information

### Pow-R-Line C -Specifications

Quantity: 1  
 Alignment: Front Access/ Rear Align  
 Service: 208Y/120V 3-Phase 4-Wire Minimum Interrupt Rating: 42 kA

### Bus Specifications

Bus Amps: 1600 Bus Bracing Rating: 65kA  
 Neutral Amps: 1600  
 Bus Material: Silver Plated Copper Heat Test  
 Silver Plated Copper Ground Bus Bolted To Frame, (1) 350 kcmil Ground Lug

### Incoming Information

Incoming Entry: Top Incoming Location: Double Ended  
 Incoming Qty & Size: Bus Duct, Top, Aluminum, 1600 Amps

### Structure Specifications

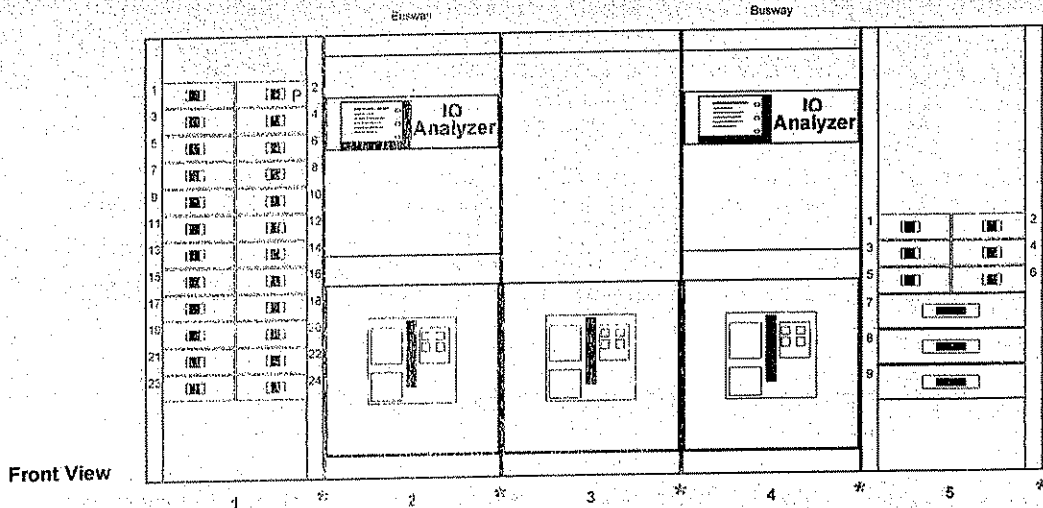
Non Service Entrance  
 Enclosure Type: Type 1

### Enclosure properties

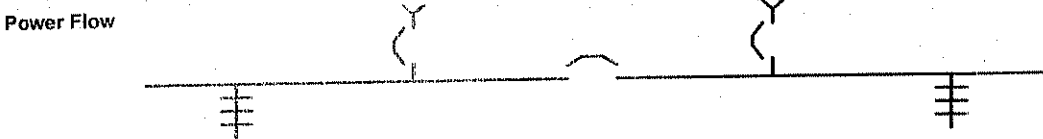
Struct #	Description/Modifications
1	50x chassis mounted feeders (Feeder Structure)
2	Top incoming main device (Incoming Main Device/MLO Section) Bus Duct Connection: Top, Aluminum, 1600 Amps Centered Left to right Center Line is 18 inches from Rear
3	Tie device (Main Structure) Auxiliary Bus
4	Top incoming main device (Incoming Main Device/MLO Section) Bus Duct Connection: Top, Aluminum, 1600 Amps
5	50x chassis mounted feeders (Feeder Structure)

The information on this document is created by Eaton Corporation. It is disclosed in confidence and it is only to be used for the purpose in which it is supplied.

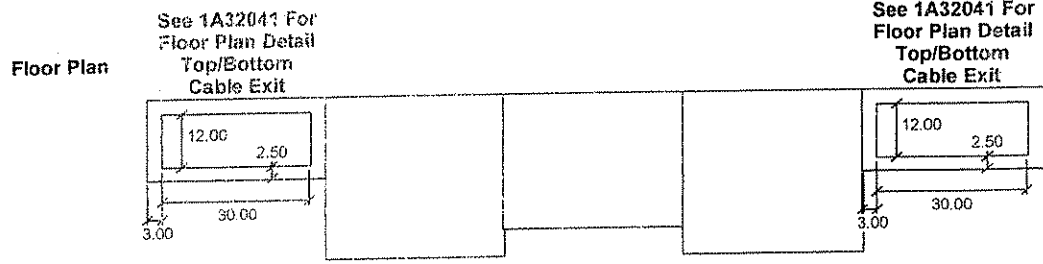
PREPARED BY CRT9	DATE 02/04/09	<b>Eaton Corporation</b>		Sumter, SC
APPROVED BY	DATE	JOB NAME Main Capitol Electrical Upgrade		
		DESIGNATION MDP PHASE 3		
VERSION 6.6		TYPE Switchboards	DRAWING TYPE Customer Appr.	
REVISION 1	DWG SIZE A	G.O.	ITEM	SHEET 1 OF 4
NEG-ALT NUMBER CR790203C901-0003				



Front View



Power Flow



Total of 5 Structures, Total Width of 180 Inches

Width-Inches	36.00	36.00	36.00	36.00	36.00	
Width-MM	914	914	914	914	914	
Depth-Inches	18.00	36.00	30.00	36.00	18.00	
Depth-MM	457	914	762	914	457	
Height-Inches	90.00	90.00	90.00	90.00	90.00	
Height-MM	2286	2286	2286	2286	2286	
Weight-Lbs(Est.)	1600	1600	1600	1600	1600	
Weight-Kg(Est.)	725	725	725	725	725	

The information on this document is created by Eaton Corporation. It is disclosed in confidence and it is only to be used for the purpose in which it is supplied.	PREPARED BY	DATE	Eaton Corporation			Sumter, SC
	CR79	02/04/09	JOB NAME	Main Capitol Electrical Upgrade		
	APPROVED BY	DATE	DESIGNATION	MDP PHASE 3		
	VERSION	3.6	TYPE	Switchboards	DRAWING TYPE	
NEG-ALT NUMBER	CR790203C901-0003	REVISION	1	DWG SIZE	A	G.D.
				ITEM		SHEET
						2 OF 4

### Switchboard Units Information

Str#	Unit	Description/Modifications	Nameplate
1	1	Feeder Brkr.-100A 3P [FD 225A Frame], Trip 100 A. Thermal Mag Terminals, Mechanical, #14-1/0	
	2	Feeder Brkr.-3P [FD 225A Frame] Provision	
	3	Feeder Brkr.-100A 3P [FD 225A Frame], Trip 100 A. Thermal Mag Terminals, Mechanical, #14-1/0	
	4	Feeder Brkr.-100A 3P [FD 225A Frame], Trip 100 A. Thermal Mag Terminals, Mechanical, #14-1/0	
	5	Feeder Brkr.-100A 3P [FD 225A Frame], Trip 100 A. Thermal Mag Terminals, Mechanical, #14-1/0	
	6	Feeder Brkr.-100A 3P [FD 225A Frame], Trip 100 A. Thermal Mag Terminals, Mechanical, #14-1/0	
	7	Feeder Brkr.-100A 3P [FD 225A Frame], Trip 100 A. Thermal Mag Terminals, Mechanical, #14-1/0	
	8	Feeder Brkr.-100A 3P [FD 225A Frame], Trip 100 A. Thermal Mag Terminals, Mechanical, #14-1/0	
	9	Feeder Brkr.-225A 3P [EDS 225A Frame], Trip 225 A. Thermal Mag Terminals, Mechanical, #4-4/0	
	10	Feeder Brkr.-225A 3P [EDS 225A Frame], Trip 225 A. Thermal Mag Terminals, Mechanical, #4-4/0	
	11	Feeder Brkr.-225A 3P [EDS 225A Frame], Trip 225 A. Thermal Mag Terminals, Mechanical, #4-4/0	
	12	Feeder Brkr.-225A 3P [EDS 225A Frame], Trip 225 A. Thermal Mag Terminals, Mechanical, #4-4/0	
	13	Feeder Brkr.-225A 3P [EDS 225A Frame], Trip 225 A. Thermal Mag Terminals, Mechanical, #4-4/0	
	14	Feeder Brkr.-225A 3P [EDS 225A Frame], Trip 225 A. Thermal Mag Terminals, Mechanical, #4-4/0	
	15	Feeder Brkr.-225A 3P [EDS 225A Frame], Trip 225 A. Thermal Mag Terminals, Mechanical, #4-4/0	
	16	Feeder Brkr.-225A 3P [EDS 225A Frame], Trip 225 A. Thermal Mag Terminals, Mechanical, #4-4/0	
	17	Feeder Brkr.-225A 3P [EDS 225A Frame], Trip 225 A. Thermal Mag Terminals, Mechanical, #4-4/0	
	18	Feeder Brkr.-225A 3P [EDS 225A Frame], Trip 225 A. Thermal Mag Terminals, Mechanical, #4-4/0	
	19	Feeder Brkr.-225A 3P [EDS 225A Frame], Trip 225 A. Thermal Mag Terminals, Mechanical, #4-4/0	
	20	Feeder Brkr.-225A 3P [EDS 225A Frame], Trip 225 A. Thermal Mag Terminals, Mechanical, #4-4/0	
	21	Feeder Brkr.-225A 3P [EDS 225A Frame], Trip 225 A. Thermal Mag Terminals, Mechanical, #4-4/0	

<p>The information on this document is created by Eaton Corporation. It is disclosed in confidence and it is only to be used for the purpose in which it is supplied.</p>	PREPARED BY	DATE	<b>Eaton Corporation</b> <span style="float: right;">Sumter, SC</span>	
	CR79	02/04/09		
	APPROVED BY	DATE	JOB NAME	Main Capitol Electrical Upgrade
			DESIGNATION	MDP PHASE 3
	VERSION	TYPE	DRAWING TYPE	
	6.6	Switchboards	Customer Appr.	
NEG-ALT NUMBER	REVISION	DWG SIZE	ITEM	SHEET
CR790203C901-0003	1	A		3 OF 4

- 22 Feeder Brkr.-225A 3P [EDS 225A Frame], Trip 225 A. Thermal Mag  
Terminals, Mechanical, #4-4/0
- 23 Feeder Brkr.-225A 3P [EDS 225A Frame], Trip 225 A. Thermal Mag  
Terminals, Mechanical, #4-4/0
- 24 Feeder Brkr.-225A 3P [EDS 225A Frame], Trip 225 A. Thermal Mag  
Terminals, Mechanical, #4-4/0

2  
Main Brkr.-1600 A. Magnum DS Brkr MDS-616 [Fixed-Manual], Trip 1600 A. RMS520 LSI, 100% rated  
Terminals, Mechanical, (5) #4-500 kcmil, Top  
Key interlock  
Lockoff devices: Padlockable Hasp  
  
1600 Amp Customer Metering - IQ Analyzer 6630, CTs  
MPONI (Modbus PONI (RS-485))

3  
Tie Brkr.-1600 A. Magnum DS Brkr MDS-616 [Fixed-Manual], Trip 1600 A. RMS520 LSI, 100% rated  
Key interlock  
Lockoff devices: Padlockable Hasp

4  
Main Brkr.-1600 A. Magnum DS Brkr MDS-616 [Fixed-Manual], Trip 1600 A. RMS520 LSI, 100% rated  
Terminals, Mechanical, (5) #4-500 kcmil, Top  
Key interlock  
Lockoff devices: Padlockable Hasp  
  
1600 Amp Customer Metering - IQ Analyzer 6630, CTs  
MPONI (Modbus PONI (RS-485))

- 5
- 1 Feeder Brkr.-150A 3P [FD 225A Frame], Trip 150 A. Thermal Mag  
Terminals, Mechanical, #4-4/0
  - 2 Feeder Brkr.-100A 3P [FD 225A Frame], Trip 100 A. Thermal Mag  
Terminals, Mechanical, #14-1/0
  - 3 Feeder Brkr.-200A 3P [EDS 225A Frame], Trip 200 A. Thermal Mag  
Terminals, Mechanical, #4-4/0
  - 4 Feeder Brkr.-150A 3P [FD 225A Frame], Trip 150 A. Thermal Mag  
Terminals, Mechanical, #4-4/0
  - 5 Feeder Brkr.-225A 3P [EDS 225A Frame], Trip 225 A. Thermal Mag  
Terminals, Mechanical, #4-4/0
  - 6 Feeder Brkr.-200A 3P [EDS 225A Frame], Trip 200 A. Thermal Mag  
Terminals, Mechanical, #4-4/0
  - 7 Feeder Brkr.-400A 3P [DK 400A Frame], Trip 400 A. Thermal Mag  
Terminals, Mechanical, (1) 2/0-500 kcmil
  - 8 Feeder Brkr.-400A 3P [DK 400A Frame], Trip 400 A. Thermal Mag  
Terminals, Mechanical, (1) 2/0-500 kcmil
  - 9 Feeder Brkr.-400A 3P [DK 400A Frame], Trip 400 A. Thermal Mag  
Terminals, Mechanical, (1) 2/0-500 kcmil

The information on this document is created by Eaton Corporation. It is disclosed in confidence and it is only to be used for the purpose in which it is supplied.

PREPARED BY CR79	DATE 02/04/09	Eaton Corporation		Sumter, SC
APPROVED BY	DATE	JOB NAME Main Capitol Electrical Upgrade		
		DESIGNATION MDP PHASE 3		
VERSION 6.6	TYPE Switchboards	DRAWING TYPE Customer Appr.		
REVISION 1	DWG SIZE A	Q.TY	ITEM	SHEET 4 OF 4

NEG-ALT NUMBER  
CR790203C901-0003

Eaton Corporation - Scott Bradley

Neg# CR790203C901 Alt# 0003

02/04/09

Job Name: Main Capitol Electrical Upgrade

13:46:32

Customer Bill of Material

2 Pow-R-Way III

General Description: LV Busway , 3 Phase, 4 Wire, 100% Neutral, 1600A, 208/120V, Aluminum, 50% Integral/Housing Ground

- 1 Dry Type Flange (1600A)
- 1 Standard Flange (1600A)
- 2 Traditional Elbow (1600A)
- 15 ft. of 1600A, Indoor Busway w/ 100% Neutral And 50% Integral/Housing Ground
- 1 Wall/Floor Flange (1600A)

Designations: BUS PHASE 3

2 MVS 5/15 kV Trnsfmr Primary Switch

Indoor, 15 kV Max., 12.47 kV system, kV system, 3 wires, NoneA Silver-Plated Copper bus, 1 Structures,

- 1 Copper silver plated bus
- 1 15kV Switch 600A, 40kA mom, 40kA fc
- 1 Set of current limiting 65 E max fuses
- 1 Visual blown fuse indication
- 1 Cable Connection to Transformer
- 1 Nylon Finned Insulators
- 1 Indoor Enclosure

Comments

Approval Drawings in 1-2 weeks or  
Formal Factory Approval Drawings in 2-4 weeks. Specify which at order entry

Shipment in 8 to 10 weeks after release for manufacture.

Price offer is based solely on the accompanying list(s) of  
materials. Nothing else is included.!

MVS/MEB switchgear must be derated per ANSI/IEEE C37.20.3,  
section 7.1.3, for altitudes above 3300 feet.

Designations: LIS PHASE 3

**Eaton Corporation - Scott Bradley**

Neg# CR790203C901 Alt# 0003

02/04/09

13:46:32

Job Name: Main Capitol Electrical Upgrade  
Customer Bill of Material

1 PRLC Switchboard

Pow-R-Line C Switchboard, Front Access/ Rear Align, Type I  
208Y/120V 3-Phase 4-Wire, 1600 Silver Plated Copper, Minimum Interrupt Rating: 42kA, Bus Bracing Rating: 65kA

0 Double Ended Lineup

1 Pow-R-Line C

5 Switchboard - Front Access/ Rear Align

2 1600 Amp Customer Metering - IQ Analyzer 6630, CTs

2 1600 Amp Silver Plated CU Distribution Structure

36 Nameplate

32 Thermal Mag Trip - Standard

2 1600 Amp Silver Plated CU Main Structure

3 Digitrip RMS520 LSI - Standard

3 Key-Interlock (Breaker)

3 Padlockable lockoff device

2 1600 Amp Aluminum Busway Connection

2 MPONI (Modbus PONI (RS-485))

1 1600 Amp Silver Plated CU Tie Structure

17 225A 3P [EDS 225A Frame], Trip 225 A., Thermal Mag, #4-4/0, Mechanical

8 100A 3P [FD 225A Frame], Trip 100 A., Thermal Mag, #14-1/0, Mechanical

1 3P [FD 225A Frame] Provision.

2 1600 A. Magnum DS Brkr MDS-616 [Fixed-Manual], Trip 1600 A., RMS520 LSI, (5) #4-500 kcmil,  
Mechanical, Top

1 1600 A. Magnum DS Brkr MDS-616 [Fixed-Manual], Trip 1600 A., RMS520 LSI

3 400A 3P [DK 400A Frame], Trip 400 A., Thermal Mag, (1) 2/0-500 kcmil, Mechanical

2 200A 3P [EDS 225A Frame], Trip 200 A., Thermal Mag, #4-4/0, Mechanical

2 150A 3P [FD 225A Frame], Trip 150 A., Thermal Mag, #4-4/0, Mechanical

Designations: MDP PHASE 3

**All orders must be released for manufacture within 90 days of date of order entry. If approval drawings are required, drawings must be returned approved for release within 60 days of mailing. If drawings are not returned accordingly, and/or if shipment is delayed for any reason, the price of the order will increase by 1.0% per month or fraction thereof for the time the shipment is delayed.**

**BID BOND**

KNOW ALL MEN BY THESE PRESENTS, That we, the undersigned, Summit Electric Corporation  
of Hurricane, West Virginia, as Principal, and The Ohio Casualty Insurance  
Company of Hamilton, Ohio, a corporation organized and existing under the laws of the State of  
Ohio with its principal office in the City of Hamilton, as Surety, are held and firmly bound unto the State  
of West Virginia, as Obligee, in the penal sum of Five Percent of Bid (\$% of Amount Bid) for the payment of which,  
well and truly to be made, we jointly and severally bind ourselves, our heirs, administrators, executors, successors and assigns.

The Condition of the above obligation is such that whereas the Principal has submitted to the Purchasing Section of the  
Department of Administration a certain bid or proposal, attached hereto and made a part hereof, to enter into a contract in writing for  
GSD 096406 - WV State Capitol, Main Capitol Building #1, Electrical Upgrade

NOW THEREFORE,

(a) If said bid shall be rejected, or  
(b) If said bid shall be accepted and the Principal shall enter into a contract in accordance with the bid or proposal attached  
hereto and shall furnish any other bonds and insurance required by the bid or proposal, and shall in all other respects perform the  
agreement created by the acceptance of said bid, then this obligation shall be null and void, otherwise this obligation shall remain in full  
force and effect. It is expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event,  
exceed the penal amount of this obligation as herein stated.

The Surety, for the value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no  
way impaired or affected by any extension of the time within which the Obligee may accept such bid, and said Surety does hereby  
waive notice of any such extension.

IN WITNESS WHEREOF, Principal and Surety have hereunto set their hands and seals, and such of them as are corporations  
have caused their corporate seals to be affixed hereunto and these presents to be signed by their proper officers, this  
5th day of February, 2009.

Principal Corporate Seal

Summit Electric Corporation  
(Name of Principal)  
By [Signature]  
(Must be President or  
Vice President)  
President  
(Title)

Surety Corporate Seal

The Ohio Casualty Insurance Company  
(Name of Surety)  
[Signature]  
Clarence C. Massey, Attorney-in-Fact

**IMPORTANT - Surety executing bonds must be licensed in West Virginia to transact surety insurance. Raised corporate seals  
must be affixed, a power of attorney must be attached.**

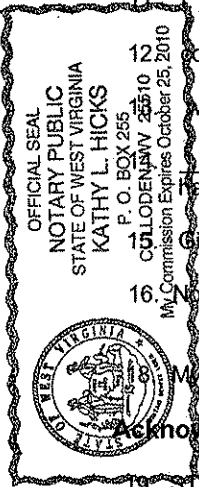
ACKNOWLEDGEMENTS

Acknowledgement by Principal if individual or Partnership

- 1. STATE OF
2. County of
3. I,
4. county and state aforesaid, do hereby certify that
5. Given under my hand this
6. Notary Seal
7. (Notary Public)
8. My commission expires on the

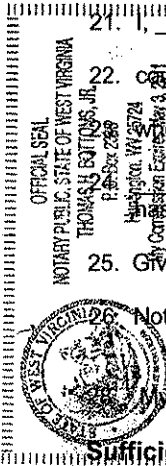
Acknowledgement by Principal if Corporation

- 9. STATE OF West Virginia
10. County of Putnam
11. Kathy L. Hicks
12. county and state aforesaid, do hereby certify that Terryll J. Hayslett
13. who as, President
14. Summit Electric Corporation
15. Given under my hand this 5th day of February 20 09
16. Notary Seal
17. Kathy L. Hicks (Notary Public)
18. My commission expires on the 25th day of October 20 10



Acknowledgement by Surety

- 19. STATE OF West Virginia
20. County of Cabell
21. Thomas H. Bottoms, Jr.
22. county and state aforesaid, do hereby certify that Clarence C. Massey
23. who as, Attorney-in-fact
24. The Ohio Casualty Insurance Company
25. Given under my hand this 5th day of February 20 09
26. Notary Seal
27. (Notary Public)
28. My commission expires on the 3rd day of May 20 11



Sufficiency in Form and Manner Of Execution Approved

Attorney General

This day of 20 By (Assistant Attorney General)



CERTIFIED COPY OF POWER OF ATTORNEY  
THE OHIO CASUALTY INSURANCE COMPANY  
WEST AMERICAN INSURANCE COMPANY

No. 39-970

**Know All Men by These Presents:** That THE OHIO CASUALTY INSURANCE COMPANY, an Ohio Corporation, and WEST AMERICAN INSURANCE COMPANY, an Indiana Corporation, pursuant to the authority granted by Article III, Section 9 of the Code of Regulations and By-Laws of The Ohio Casualty Insurance Company and West American Insurance Company do hereby nominate, constitute and appoint: **Clarence C. Massey or Thomas H. Bottoms, Jr. of Huntington, West Virginia** its true and lawful agent (s) and attorney (s)-in-fact, to make, execute, seal and deliver for and on its behalf as surety, and as its act and deed any and all BONDS, UNDERTAKINGS, and RECOGNIZANCES, not exceeding in any single instance **TEN MILLION (\$10,000,000.00) DOLLARS**, excluding, however, any bond(s) or undertaking(s) guaranteeing the payment of notes and interest thereon

And the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Companies, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the Companies at their administrative offices in Fairfield, Ohio, in their own proper persons.

The authority granted hereunder supersedes any previous authority heretofore granted the above named attornef(s)-in-fact.

In WITNESS WHEREOF, the undersigned officer of the said The Ohio Casualty Insurance Company and West American Insurance Company has hereunto subscribed his name and affixed the Corporate Seal of each Company this **27th** day of **April, 2007**.



*Sam Lawrence*

Sam Lawrence, Assistant Secretary

STATE OF OHIO,  
COUNTY OF BUTLER

On this **27th** day of **April, 2007** before the subscriber, a Notary Public of the State of Ohio, in and for the County of Butler, duly commissioned and qualified, came **Sam Lawrence, Assistant Secretary** of THE OHIO CASUALTY INSURANCE COMPANY and WEST AMERICAN INSURANCE COMPANY, to me personally known to be the individual and officer described in, and who executed the preceding instrument, and he acknowledged the execution of the same, and being by me duly sworn deposes and says that he is the officer of the Companies aforesaid, and that the seals affixed to the preceding instrument are the Corporate Seals of said Companies, and the said Corporate Seals and his signature as officer were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporations.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal at the City of Hamilton State of Ohio, the day and year first above written



*Cheryl S. Gregory*

Notary Public in and for County of Butler, State of Ohio  
My Commission expires August 6, 2007.

This power of attorney is granted under and by authority of Article III, Section 9 of the Code of Regulations and By-Laws of The Ohio Casualty Insurance Company and West American Insurance Company, extracts from which read:

Article III, Section 9. Appointment of Attorneys-in-Fact. The Chairman of the Board, the President, any Vice-President, the Secretary or any Assistant Secretary of the corporation shall be and is hereby vested with full power and authority to appoint attorneys-in-fact for the purpose of signing the name of the corporation as surety to, and to execute, attach the seal of the corporation to, acknowledge and deliver any and all bonds, recognizances, stipulations, undertakings or other instruments of suretyship and policies of insurance to be given in favor of any individual firm, corporation, partnership, limited liability company or other entity, or the official representative thereof, or to any county or state, or any official board or boards of any county or state, or the United States of America or any agency thereof, or to any other political subdivision thereof

This instrument is signed and sealed as authorized by the following resolution adopted by the Boards of Directors of the Companies on October 2, 2004:

**RESOLVED**, That the signature of any officer of the Company authorized under Article III, Section 9 of its Code of Regulations and By-laws and the Company seal may be affixed by facsimile to any power of attorney or copy thereof issued on behalf of the Company to make, execute, seal and deliver for and on its behalf as surety any and all bonds, undertakings or other written obligations in the nature thereof; to prescribe their respective duties and the respective limits of their authority; and to revoke any such appointment. Such signatures and seal are hereby adopted by the Company as original signatures and seal and shall, with respect to any bond, undertaking or other written obligations in the nature thereof to which it is attached, be valid and binding upon the Company with the same force and effect as though manually affixed.

CERTIFICATE

I, the undersigned Assistant Secretary of The Ohio Casualty Insurance Company and West American Insurance Company do hereby certify that the foregoing power of attorney, the referenced By-Laws of the Companies and the above resolution of their Boards of Directors are true and correct copies and are in full force and effect on this date.

IN WITNESS WHEREOF, I have hereunto set my hand and the seals of the Companies this 5th day of February, 2009



*Mark E. Schmidt*

Assistant Secretary

# ACORD CERTIFICATE OF LIABILITY INSURANCE

OP ID TB  
SUMMI-1

DATE (MM/DD/YYYY)  
02/03/09

**PRODUCER**  
Peoples Insurance Agency, Inc.  
dba Putnam Insurance Agency  
101 Fifth Ave, PO Box 2388  
Huntington WV 25724-2388  
Phone: 304-522-6555 Fax: 304-522-6563

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

**INSURED**  
  
Summit Electric Corporation  
P.O. Box 254  
Hurricane WV 25526

INSURERS AFFORDING COVERAGE	NAIC #
INSURER A: Motorist Insurance Group	14621
INSURER B:	
INSURER C:	
INSURER D:	
INSURER E:	

## COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR ADD'L LTR INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
A	GENERAL LIABILITY	33266348-41E	07/01/08	07/01/09	EACH OCCURRENCE	\$ 1,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY				DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 300,000
	<input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR				MED EXP (Any one person)	\$ 10,000
	<input checked="" type="checkbox"/> BLKT Addt'l Insd				PERSONAL & ADV INJURY	\$ 1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:				GENERAL AGGREGATE	\$ 2,000,000
	<input type="checkbox"/> POLICY <input type="checkbox"/> PRO. JECT <input type="checkbox"/> LOC				PRODUCTS - COMP/OP AGG	\$ 2,000,000
A	AUTOMOBILE LIABILITY	33266348-41E	07/01/08	07/01/09	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000
	<input checked="" type="checkbox"/> ANY AUTO				BODILY INJURY (Per person)	\$
	<input type="checkbox"/> ALL OWNED AUTOS				BODILY INJURY (Per accident)	\$
	<input type="checkbox"/> SCHEDULED AUTOS				PROPERTY DAMAGE (Per accident)	\$
	<input type="checkbox"/> HIRED AUTOS					
<input type="checkbox"/> NON-OWNED AUTOS						
<input checked="" type="checkbox"/> Comp \$500 Ded						
<input checked="" type="checkbox"/> Coll \$1000 Ded						
	GARAGE LIABILITY				AUTO ONLY - EA ACCIDENT	\$
	<input type="checkbox"/> ANY AUTO				OTHER THAN EA ACC	\$
					AUTO ONLY: AGG	\$
A	EXCESS/UMBRELLA LIABILITY	33266348-41E	07/01/08	07/01/09	EACH OCCURRENCE	\$ 3,000,000
	<input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE				AGGREGATE	\$ 3,000,000
	<input type="checkbox"/> DEDUCTIBLE					\$
	<input checked="" type="checkbox"/> RETENTION \$NONE					\$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	33266348-41E	07/01/08	07/01/09	<input checked="" type="checkbox"/> WC STATU-TORY LIMITS	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED?				E.L. EACH ACCIDENT	\$ 500,000
	If yes, describe under SPECIAL PROVISIONS below				E.L. DISEASE - EA EMPLOYEE	\$ 500,000
	OTHER				E.L. DISEASE - POLICY LIMIT	\$ 500,000
A	LEASED/RENTED	33266348-41E	07/01/08	07/01/09	LEASED	\$100,000
A	INSTALLATION	33266348-41E	07/01/08	07/01/09	Installat	\$400,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

Evidence of insurance.

RE: GSD096406

## CERTIFICATE HOLDER

## CANCELLATION

State of West Virginia  
Dept. of Administration  
General Services Division  
1900 Kanawha Blvd East  
Charleston WV 25305

STATE-9

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE