

Oceana County Board of Commissioners

Thursday, May 23, 2024

Today's meetings
begin at 10:00 a.m.

Committees and Board Meeting Packet



Board of Commissioners

Robert Walker, Chairperson

Craig Hardy

Paul Erickson

Tim Beggs, Vice Chair

Phil Morse

Prepared by:

Tracy Byard

Oceana County Administrator



Oceana County, Michigan

PUBLIC NOTICE

OCEANA COUNTY BOARD OF COMMISSIONERS

100 State Street, Hart, MI 49420 – (231) 873-4835

The Oceana County Board of Commissioners **will hold** the following committee meetings and its regular board meeting on **Thursday, May 23, 2024** beginning at 10:00 a.m. and 11:30 a.m. respectively. The meetings will be held in the Oceana County Board of Commissioners Room located at 100 State Street, Hart, MI 49420.

- Properties, Environment and Economic Development Committee
- Finance and Administration Committee
- Regular Board of Commissioners Meeting

Detailed meeting agendas are available online at:

<https://oceana.mi.us/government/board-of-commissioners/schedule-of-meetings/>

or, by contacting the County Administrator's Office at the address shown above, by

telephone (231) 873-4835, or by email countyadmin@oceana.mi.us

The Oceana County Board of Commissioners has **cancelled** the following meetings by order of the committee/board chairperson due to a lack of business:

All meetings are open to all members of the public. This notice is given pursuant to, and in accordance with, the provisions of the Open Meetings Act, Public Act 267 of 1976, as amended. Oceana County does not discriminate on the basis of race, color, national origin, religion, sex, disability, and age in the delivery of services.



Oceana County Board of Commissioners

County Building
100 State Street, Suite M-4, Hart, MI 49420

AGENDA

Properties, Environment and Economic Development Committee

There will be a committee meeting on **Thursday, May 23, 2024, beginning at 10:00 a.m.**, or immediately following any preceding committee meetings, in the Oceana County Board of Commissioners Room, 100 State Street, Hart, MI 49420.

Committee Chair: Paul Erickson

Committee Vice-Chair: Phil Morse

Presenter	Description	Item #
Mr. Erickson	Call to Order Roll Call Approval of Minutes from April 25, 2024 Page 4 Changes to the Agenda Approval of the Agenda Public Comment (<i>state your name, current address, and agenda item or topic</i>)	
Administrator Byard	Three-Year Preventative Maintenance for Air Conditioning, Heating, Ventilation, and Refrigeration Systems	2024-59
Undersheriff Ryan Schiller	Unlimited Power Supply (UPS) Repair Pages 5 - 40	2024-60
	DEPARTMENT HEAD REPORT	
	Public Comment (<i>state name, current address, and agenda item or topic</i>)	
	Adjournment	

Properties, Environment, and Economic Development Committee

The Properties, Environment, and Economic Development Committee Meeting was called to order by Chairperson Erickson, on Thursday, April 25, 2024 at 10:02 a.m. in the Board Conference Room.

Present: Mr. Beggs, Mr. Hardy, Mr. Walker, and Mr. Erickson. Absent: Mr. Morse.

Also Present: Mr. Garry McKeen, Oceana County Parks and Recreation, Ms. Linda East, Golden Township resident; Ms. Byard, Oceana County Administrator, and Ms. Anderson, Oceana County Clerk.

Moved by Mr. Beggs and seconded by Mr. Walker to approve the minutes of the March 28, 2024 Properties, Environment, and Economic Development Committee as presented.

Voice vote. Motion carried.

Chairperson Erickson asked if there were any changes to the agenda. No additions were mentioned.

Moved by Mr. Walker and seconded by Mr. Hardy to approve the agenda as presented.

Voice vote. Motion carried.

Public Comment

Mr. Garry McKeen, Oceana County Parks and Recreation Commission, gave a brief history regarding Oceana County parks and provided the parks mission statement. He also stated that the 5-year plan is underway. He also provided a power point presentation that included pertinent information regarding the parks. Mr. McKeen thanked the individuals on the Parks and Recreation Commission for their dedication and all the hard work they do.

Agenda Items

Mr. Garry McKeen gave the annual Parks and Recreation report as well as went over Parks and Recreation Rules and Regulations.

Mr. Walker stated he talked to the prosecuting attorney who suggested adding civil infraction violation and a fine not to exceed \$100.

Public Comment

Ms. Linda East, Golden Township resident, spoke in regard to the Medical Care Facility. She stated that she has become more involved as her mother is a resident there. She also stated that she attended the second interview process for administrator. She was disturbed that members of the board were quoting rumors of a candidate to exclude them from consideration. She felt that the integrity of one of the board members and as well as a County Commissioner board member, was impugned during this process. She stated that she wanted the process to be fair for everyone.

Chairperson Erickson asked if there was any further business to come before the Board. There being none, the meeting adjourned at 10:45 a.m.

Respectfully submitted,

Amy L. Anderson
Oceana County Clerk



OCEANA COUNTY SHERIFF'S OFFICE

CRAIG MAST, SHERIFF
216 LINCOLN ST., P.O. BOX 32

HART, MI 49420

RYAN SCHILLER, UNDERSHERIFF
PHONE: (231) 873-2121
FAX: (231) 873-0154

May 15, 2024

RE: UPS Replacement

Ms. Byard & Board of Commissioners:

This proposal is for the replacement of the uninterrupted power supply (UPS) unit for our building. For historical background, I have attached a document that was in front of the board one year ago. I have attached that proposal that I sent you as well as the minutes from the Aril 11, 2023 meeting.

Agenda number 2023-49 was approved by the BOC for a not-to-exceed amount of \$13,000.00. The numbers that we have recently received are above that amount which is why I am coming to you now.

After spending a significant amount of time facilitating site visits with an electrical company there, was still no action being taken on their end to move forward on this project. The scope and nature of this project is non-standard and somewhat complicated.

Mr. Brian Schlaak and I spoke about this and decided to reach out to two other companies to provide us quotes and had the ability to complete the project.

I have attached two quotes and would recommend Korthase and Sons out of Montague. They responded immediately after being called, and provided numbers within a week of looing at the job. They are a local company who would also be able to service the hardware if the need arises.

Korthase has a total price of \$24,388.00. This includes removal of the existing hardware and all connections.

If you have any questions please reach out to me anytime.

Respectfully,

A handwritten signature in blue ink that reads "Ryan L. Schiller". The signature is written in a cursive style with a large initial 'R' and 'S'.

Ryan Schiller
Undersheriff



OCEANA COUNTY SHERIFF'S OFFICE

CRAIG MAST, SHERIFF
216 LINCOLN ST., P.O. BOX 32

HART, MI 49420

RYAN SCHILLER, UNDERSHERIFF
PHONE: (231) 873-2121
FAX: (231) 873-0154

April 3, 2023

RE: UPS Replacement

Ms. Byard & Board of Commissioners:

This proposal is for the replacement of the uninterrupted power supply (UPS) unit for our building. For historical background, I have attached a document that was in front of the board one year ago.

At this time last year the UPS was still operating and costly on-site repairs for a unit that parts are no longer available for did not seem fiscally wise. The cost for a technician to come on-site was quoted at \$1,450.00 without making any necessary repairs.

Currently we know that the batteries are nearing replacement and there are cooling fans currently not working. The unit is making a very loud noise that has been noted to be increasing as time goes on.

I spoke with a Ferrups technician on the phone on April 3, 2023. They walked me through several diagnostic menus to ensure the safety of the unit at this time. This unit is now forty-eight years old. The loud noise coming from the unit is believed to be coming from the seized up cooling fans inside the unit.

It should be noted that this unit serves as the UPS for the fiber optic internet lines for the sheriff's office, courthouse, and county services building. It also serves the entire county phone system, sheriff's office and courthouse servers and firewalls. The UPS also serves several critical function offices in the sheriff's office and jail for lightning and power.

Page 2

The quote that I have attached is for the unit itself and does not include removal of the existing and installation of the new unit. I have requested a quote for this work to be done by C&I Electric of Ludington who are specifically familiar with EATON UPS systems. Due to the our schedules not lining up they will not be able to provide this quote until the week of April 10.

I am recommending the board approve the replacement cost of \$8,637.89 (*UPS, Cart, (2) EBM's, 2 Year Exchange Warranty \$ 8,637.89 + tax*) and installation costs to be provided by C&I Electric.

If you have any questions please reach out to me anytime.

Respectfully,



Ryan Schiller
Undersheriff

**Board Conference Room
April 11, 2023
Board of Commissioners Minutes**

The regular meeting of the Oceana County Board of Commissioners was called to order by Chairperson Walker, on Tuesday, April 11, 2023, at 12:15 p.m.

Chairperson Walker led the Board in the Pledge of Allegiance to the Flag of the United States of America.

Roll was called by Clerk Anderson. Present: Mr. Erickson, Mr. Morse, Mr. Beggs, and Mr. Walker. Absent: Mr. Hardy.

Also Present: Ms. Byard, Oceana County Administrator; Ms. Anderson, Oceana County Clerk; Mr. Brady Selner, Shelby Village Administrator and Oceana County Economic Alliance; Mr. Curtis Burdette, Oceana County Economic Alliance Director; and Sheriff Mast.

Moved by Mr. Beggs and seconded by Mr. Morse to approve the minutes from the March 23, 2023 Regular Board Meeting as presented.

Voice vote. Motion carried.

Chairperson Walker asked if any commissioners wished to declare any conflicts of interest on the agenda items. Mr. Beggs declared a conflict as his company received payment for work done.

Chairperson Walker asked if there were any additions to the agenda. Mr. Morse requested the addition of Motion #2023-47A, rescinding Motion #2023-47. Also, there was a request to add Motion #2023-14B, rescinding Motion #2023-14A, which amended Motion #2023-14. Mr. Beggs requested to have all motions with Mr. Hardy’s name as the requester switched to his, in Mr. Hardy’s absence. Mr. Beggs requested that Mr. Walker present Motion # 2023-54, due to Mr. Beggs conflict of interest. Ms. Byard requested that the verbiage in Motion #2023-49 be changed to delete “generator and”.

Moved by Mr. Morse and seconded by Mr. Erickson to approve the agenda as amended.

Voice vote. Motion carried.

Public Comment

There were no public comments at this time.

Agenda Items

MOTION #2023-47A – AMENDMENT OF MOTION #2023-47 – INSPECTOR PAY POLICY

Moved by Mr. Beggs and supported by Mr. Morse to adopt Motion #2023-47A, amending Motion #2023-47, made at the meeting on March 23, 2023, to revise the first pay for new inspectors from “half to be paid when the permit is purchased” to “half once the first inspection is complete”.

Roll call vote: Mr. Beggs – yes; Mr. Morse – yes; Mr. Erickson – yes; and Mr. Walker – yes.
Absent: Mr. Hardy

Motion carried.

MOTION #2023-48 – POLICE SERVICE CONTRACTS

Motion #2023-48, moved by Mr. Beggs and supported by Mr. Erickson to approve Police Service Contracts with Grant Township, the Village of Hesperia, and the Village of Walkerville, and to allow the Board Chair to sign.

Roll call vote: Mr. Beggs – yes; Mr. Erickson – yes; Mr. Morse – yes; and Mr. Walker – no.
Absent: Mr. Hardy.

Motion carried.

Mr. Walker explained his dissent; he does not feel that there is enough man power to handle the contracts.

MOTION #2023-49 – SHERIFF’S DEPARTMENT GENERATOR AND UPS REPAIR

Moved by Mr. Morse and supported by Mr. Beggs, to adopt Motion #2023-49, approving the repair to the unlimited power supply (UPS) at the Sheriff’s Department in the amount, not to exceed \$13,000, with funds to come from contingency and to allow the Administrator to make the necessary adjustments.

Roll call vote: Mr. Morse – yes; Mr. Beggs – yes; Mr. Erickson –yes; and Mr. Walker – yes.
Absent: Mr. Hardy.

Motion carried.

MOTION #2023-50 – BUDGET AMENDMENT FOR THE PURPOSE OF EXTRADITION

Moved by Mr. Erickson and supported by Mr. Morse, to approve Motion #2023-50, approving a budget adjustment for the purpose of extradition, in the amount of approximately \$3,500, with funds to be moved from contingency into the Prosecutor’s budget, once invoice has been submitted; and asking the Prosecutor to inquire with the Michigan State Police to determine who is responsible for this payment.

Roll call vote: Mr. Erickson – yes; Mr. Morse – yes; Mr. Beggs – yes; Mr. Walker – yes.
Absent: Mr. Hardy.

Motion carried.

Sheriff Mast provided his communications with the Michigan State Police and the response given as to whether or not the Prosecutor should be involved with extradition.

MOTION #2023-51 – EQUALIZATION REPORT, L-4024, AND L-4037

Motion #2023-51, moved by Mr. Beggs and supported by Mr. Erickson approving the 2023 Oceana County equalized valuation as presented by the Equalization Director, the L-4024 and L-4037 forms, as reflected in the equalization report and authorize the County Clerk and the Board Chair to sign.

Roll call vote: Mr. Beggs – yes; Mr. Erickson – yes; Mr. Morse – yes; and Mr. Walker – yes.
Absent: Mr. Hardy.

Motion carried.

MOTION #2023-52 – JURY BOARD REAPPOINTMENT

Moved by Mr. Erickson and supported by Mr. Morse, to adopt Motion #2023-52, reappointing Mr. John Wyna to the Jury Board, as requested by the County Clerk, for a six-year term from May 1, 2023 to April 30, 2029.

Voice vote. Motion carried.

MOTION #2023-53 – ECONOMIC ALLIANCE PROPOSAL

Moved by Mr. Morse and supported by Mr. Beggs, to adopt Motion #2023-53, approving the request from the Economic Alliance for an additional appropriation of \$30,000 for Fiscal Year 2023, \$20,000 for Fiscal Year 2024, and \$10,000 for Fiscal Year 2025; with funds to come from the ARPA Funds.

Roll call vote: Mr. Morse – yes; Mr. Beggs – yes; Mr. Erickson – yes; and Mr. Walker – yes.
Absent: Mr. Hardy.

Motion carried.

MOTION #2023-14B – RESCINDING MOTION #2023-14 AND MOTION #2023-14A

Moved by Mr. Morse and supported by Mr. Beggs, to adopt Motion #2023-14B, rescinding Motion #2023-14 and Motion #2023-14A, regarding a reduction in permit fees for Shelby Acres housing development project.

Roll call vote: Mr. Morse – yes; Mr. Beggs – yes; Mr. Erickson – yes; and Mr. Walker – yes.
Absent: Mr. Hardy.

Motion carried.

MOTION #2023-54 – PAYMENT OF CLAIMS

Moved by Mr. Walker and supported by Mr. Morse, to adopt Motion #2023-54, approving the payment of accounts payable and release of funds for April 11, 2023.

AMBULANCE	\$37,059.32
GIS	6,359.24
FOC	75,950.70
PENTWATER-HART TRAIL	8,488.05
SHELBY TWP COMM PARK	3,200.00
BROWNFIELD	957.50
AUTOMATION R.O.D.	349.00
INDIGENT DEFENSE	29,831.15
LCOT	1,350.00
K9 UNIT	300.00
CDBG	-0-
ARPA	-0-
VETERANS AFFAIRS	3,743.82
TECH & INNOVATION	1,369.04
CAPITAL PROG/EQUIP REP	54.84
PUBLIC IMPROVEMENT	-0-
FORECLOSURE	2,213.67
BUILDING DEPARTMENT	26,180.39
GENERAL FUND	488,942.17
GRAND TOTAL	\$686,348.80

Roll call vote: Mr. Walker – yes; Mr. Morse – yes; Mr. Erickson – yes; and Mr. Beggs – abstain.
Absent: Mr. Hardy.

Motion carried.

Commissioner’s Reports

Mr. Morse attended West Michigan Shoreline Regional Development Commission (WMSRDC) meeting and was intrigued by the possibility of a regional effort for GIS. Later today, at 4:00 p.m., at Muskegon Community College, there will be a Michigan Highspeed Internet (MiHI) listening tour of over 50 locations.

Mr. Erickson attended the Michigan Township Association (MTA) meeting, where Mr. Curtis Burdette was a presenter, at Benona Township Hall. Blight Ordinances are large concern across the county as heard from several township officials. Ms. Pam Blough has been working on the master plan drawing, for Black Lake County Park, to make it more of a camping facility. Colfax township fire barn is still contracting with Walkerville Area Fire & Rescue (WAFR). Colfax Township is still wanting to move their antiquated township hall to a different location. WAFR will be receiving a new fire truck and have started looking into obtaining a vehicle for Medical First Responders to respond to non-emergency calls. Mr. Erickson noted that Mr. Garry McKeen met with Kevin Mann, U.S. Fish & Wildlife, and there will be lampricide treatments on the Pentwater water shed; the Crystal Dam is utilized as a lamprey barrier and federal funding should be available soon to help with the dam restoration.

Mr. Walker briefly touched upon the Opioid Committee meeting and found it to be very informative; the preliminary direction would like to keep the money locally. Community Mental Health and the Health Department would like to administer these funds, but Opioid Committee members would prefer that the administration of these funds be left to the Board of Commissioners. Mr. Walker suggested that WAFR contact Mr. Cole to help find a surplus vehicle for their needs.

Public Comment

Mr. Brady Selner, Shelby Village Administrator and Oceana County Economic Alliance (OCEA) thanked the Board for their support and is looking forward to the work that OCEA does.

Mr. Curtis Burdette, OCEA Director, took Mr. Darrell Todd, Regional Director for Michigan Economic Development, for a county-wide tour to look at various facilities.

Sheriff Mast announced that one of the former Sheriffs, Ken Prince, has been hospitalized.

Chairperson Walker asked if there was any further business to come before the Board. There being none, the meeting adjourned at 12:49 p.m.

Amy L. Anderson, Oceana County Clerk

Date

Mr. Walker, Chairperson



KORTHASE AND SONS

9228 S 88 Ave
Montague, MI 49437

Tim Korthase

231-893-1133 office
231-893-1133 fax
231-730-5842
tkorthase@korthaseandsons.com
License #6104591

04/30/24

Oceana county Sheriff
216 Lincoln St
Hart Mi.49420
Attn: Ryan Schiller

Project: Electrical Proposal
Subject: UPS replacement

Ryan

The UPS replacement we have been discussing is a bit challenging, I have proposed two options for you.

1	10 KVA Liebert EXS UPS	\$24,388.00
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Or

1	15KVA Liebert EXS UPS	\$30,693.00
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Your existing system is a single-Phase system, and your building service is 3 phase. My guess is back when the existing unit was installed there were no 3 phase ups systems of the size you needed so a single-phase unit was installed. This unit feeds a 3 Phase panel that was existing in the building so this panel was converted to a UPS panel. This is a very nice square D QO panel and in great shape so continuing to use this panel as a UPS panel lets just feed it with three phase and get better distribution.

Size and run time discussion.....

The 10 KVA is the same size you have now and has performed well for you. The load on the unit historically increases as new need arises so my recommendation is to go with the 15 KVA for increased capacity.

The above quote is 6 minutes of run time on the 10 KVA and 8 minutes of run time on the 15KVA these times are at FULL load. Normally these units are not continuously loaded so the run time may be longer.

To go from 6 minutes to 30 minutes of run time on the 10KVA unit ADD \$2500.00

To go from 8 Min to 15 minutes of run time on the 15 KVA unit ADD \$1100.00

The scope of work involved is to remove old unit, disconnect all wiring and related equipment, install new 3 phase feed to new UPS, install new feed to existing 3 Phase panel supply and install new UPS unit.

For your reference I have included a spec sheet on the new units, they are a bit smaller and all in one cabinet, which will be nice. Also there is a picture of the UPS panel showing the 3rd phase missing.

Most importantly Hendrick in Grand Rapids are the distributor and have great support and maintenance techs to do all preventive maintenance for the long hall.

Delivery.....

The 10 KVA is 10 weeks and the 15 KVA is 7 weeks.

Thank you for the opportunity to provide a proposal for your requirements. If you have any questions, please feel free to contact me.

Thanks

Tim

Tim Korthase



2360 Oak Industrial Drive ne . Grand Rapids, Michigan 49505
tel 616.454.1218 . fax 616.454.5336 . www.hedrickassoc.com



POWER



THERMAL



PARTS



SERVICE

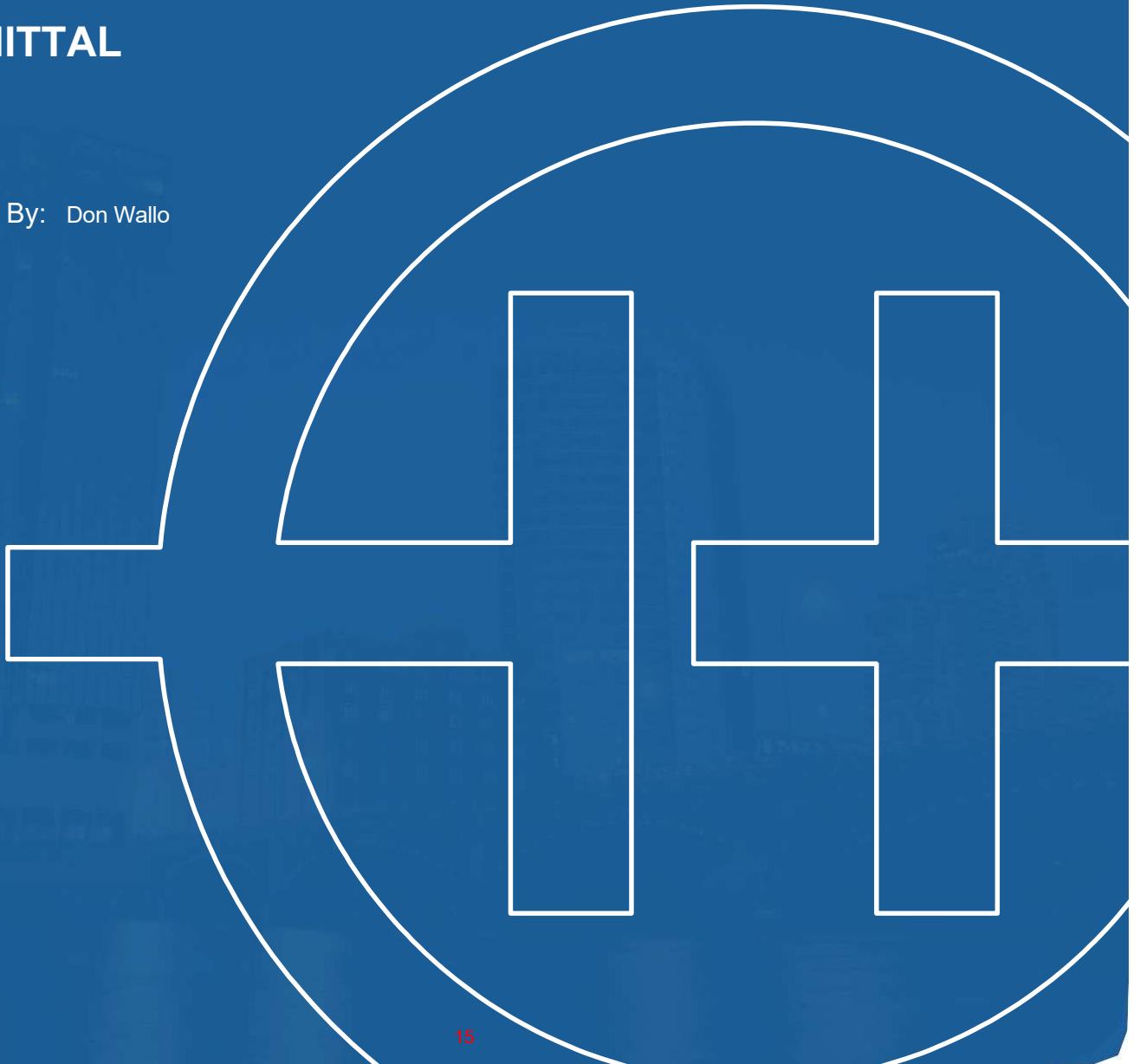
Hart County

Option 2

10KVA Liebert Exs UPS

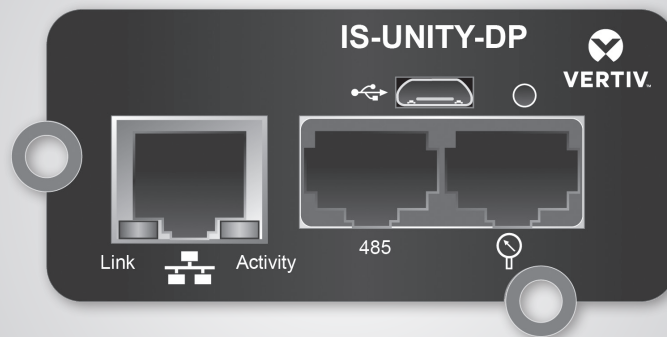
SUBMITTAL

Prepared By: Don Wallo



LIEBERT® INTELLISLOT™ UNITY PLATFORM CARDS

Product Specification/Installation Guide



The Liebert IntelliSlot Unity Platform brings SNMP, BACnet IP, BACnet MSTP, Modbus TCP, Modbus RTU, YDN23 and Web management capability to many models of Vertiv’s power and cooling equipment. The cards employ Ethernet and RS-485 networks to monitor and manage a wide range of operating parameters, alarms and notifications. The card also supports communication for LIFE™ Services by VERTIV.

ADDITIONAL FEATURES

- SNMPv1, SNMPv2c and SNMPv3 with MIB-II support
- HTTP/HTTPS 1.1
- BootP
- DHCP per RFC2131/2132
- Remote firmware updates via a Web browser
- IPv6 support for HTTP/HTTPS, DHCPv6, e-mail, SMS, SNMP v1/v2c/v3 and Modbus TCP

- Liebert SN Environmental Sensor Support (Web, SNMP, SMS and SMTP): Temperature, Humidity, Door Closure, Contact Closure and Leak Detection: Liebert SN-2D, Liebert SN-3C, Liebert SN-L, Liebert SN-T, Liebert SN-TH, Liebert SN-Z01, Liebert SN-Z02 and Liebert SN-Z03

IntelliSlot Unity cards are a form, fit, and function replacement for several Liebert IntelliSlot Web and 485 cards.

COMPATABILITY with Liebert Equipment

IntelliSlot Card	Compatible with			
IS-UNITY-DP	Alber BDSU-50™	Liebert Deluxe System/3™	Liebert GXT3™	Liebert PeX™ *
IS-UNITY-SNMP	Liebert APM™	Liebert DS™	Liebert GXT4™	Liebert PPC™
IS-UNITY-LIFE	Liebert APS™	Liebert DSE™	Liebert HPC™	Liebert RDC™
	Liebert Challenger 3000™	Liebert EPM™	Liebert HPC-S/M/R/W/Generic™	Liebert RX™
	Liebert CRV™	Liebert EXC™	Liebert HPM™	Liebert XDC™
	Liebert CW™	Liebert eXL™	Liebert NX™ 225-600 kVA	Liebert XDP™
	Liebert DCL™	Liebert EXL™ S1	Liebert NXC™	Liebert XDP-Cray™
	Liebert DCP™	Liebert eXM™	Liebert NXL™ *	
		Liebert FDC™	Liebert NXR™	
		Liebert FPC™	Liebert PCW™/PDX™	

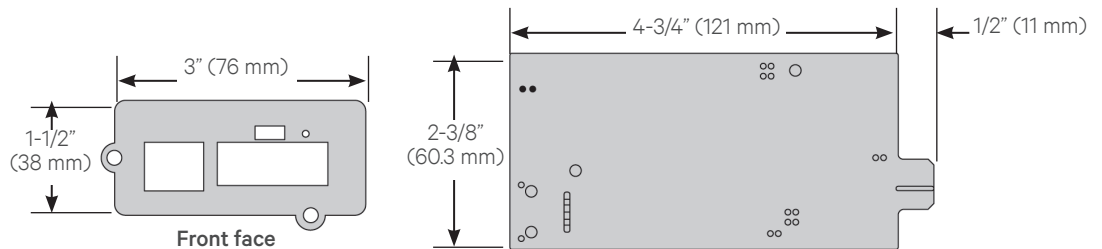
* YDN23 supported only for Liebert PeX and Liebert NXL.

COMPATABILITY with Communication Protocols

Liebert IntelliSlot Card	Life Services Support	Communication Protocol							
		HTTP HTTPS	Velocity Protocol	Email	SMS	SNMP v1, v2c, v3	BACnet IP BACnet MSTP	Modbus TCP Modbus RTU	YDN23*
IS-UNITY-DP	✓	✓	✓	✓	✓	✓	✓	✓	✓
IS-UNITY-SNMP	✓	✓	✓	✓	✓	✓	—	—	—
IS-UNITY-LIFE	✓	✓	✓	✓	✓	—	—	—	—

* YDN23 supported only for Liebert PeX and Liebert NXL.

DIMENSIONS



SPECIFICATIONS

Power Requirements	DC Inputs	7 to 12 VDC
	Power Consumptions:	3.6 W maximum
Dimensions, W x D x H	2.97 x 5.2 x 1.45 in. (75.5 x 15 x 37 mm)	
Weight (assembled)	Net:	7 oz (0.2 kg)
	Shipping:	1.3 lb (0.6 kg)
Ambient Operating Environment	32 to 104°F (0 to 40°C); 10% to 90% RH (non-condensing)	
Ambient Storage Temperature	-4 to 140°F (-20 to 60°C)	
Communication Ports	Ethernet Communication	RJ-45 (LIFE™ Services requires a network connection to the Internet)
	RJ-45 (RJ-45 to 2-position terminal-block adapter)	

WIRING

10/100 Mb/s Ethernet connector	Standard Category 5E Cable	328 ft. (100m)
RJ-45 - One-Wire Connector	Liebert® Integrated One-Wire Sensor Cable or 2m Cat 5E to Modular 1-Wire	65.6 ft. (20m)

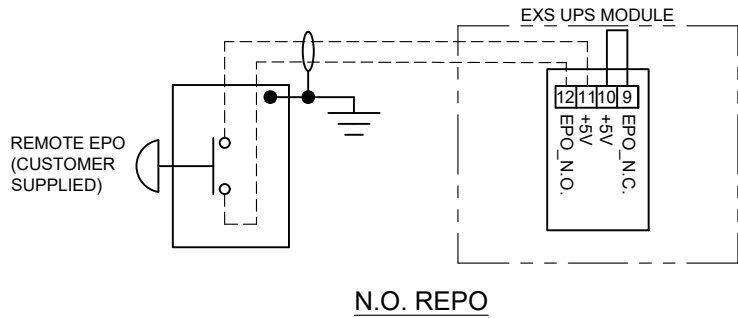
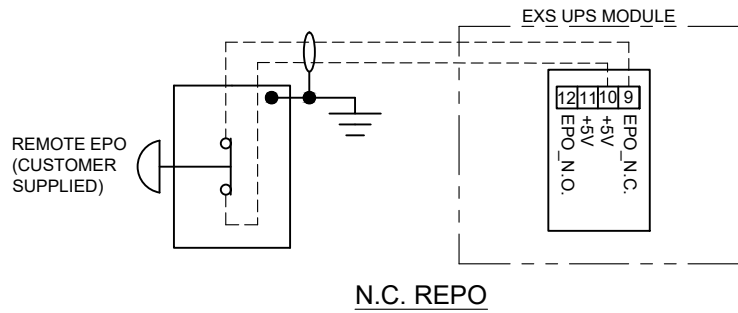
VertivCo.com | Vertiv Headquarters, 1050 Dearborn Drive, Columbus, OH, 43085, USA

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NOTES

1. EACH CABLE GROUP MUST BE RUN IN A SEPARATE GROUNDED CONDUIT TO PREVENT CONTROL SIGNAL INTERFERENCE.
2. ALL WIRING MUST BE DONE IN ACCORDANCE WITH NATIONAL AND LOCAL ELECTRICAL CODES.
3. N.O. = NORMALLY OPEN, N.C. = NORMALLY CLOSED.
4. IF NOT CONNECTED TO REPO, THE FACTORY INSTALLED JUMPER ON PINS 9-10 MUST REMAIN INSTALLED.



CABLE GROUP #5 - REMOTE EMERGENCY POWER OFF (REPO) (FBO) TO UPS						
TERMINAL DESIGNATION		SIGNAL NAME	MAXIMUM VOLTAGE	MAXIMUM CURRENT	WIRE RANGE	REMARKS
FROM	TO					
REPO (FBO)	9	REPO INPUT CONTACT N.C.	5Vdc	0.5A AC/ 1A DC	18-33AWG	
	10	REPO INPUT CONTACT N.C.				
	11	REPO INPUT CONTACT N.O.				
	12	REPO INPUT CONTACT N.O.				

----- FIELD SUPPLIED WIRING

SHEET NO. 1 OF 1	DRAWN BY: N. M.
ECN NO.	DESIGNED BY: J. FUCHIK
REF DWG.	APPROVED BY: J. FUCHIK

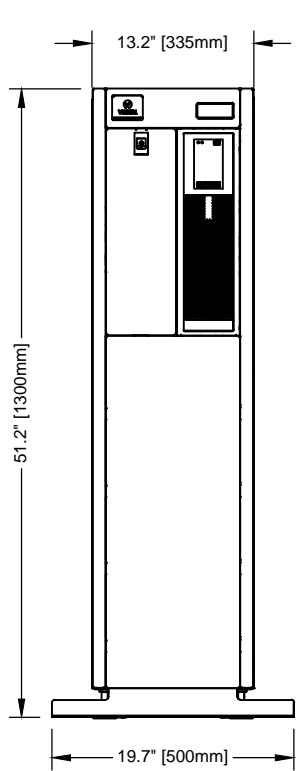
CONTROL WIRING
CABLE GROUP #5
(REPO) REMOTE EMERGENCY POWER OFF (FBO) TO UPS
10 kVA/kW LIEBERT EXS

DWG. NO. EXS-19-S001
DATE (LATEST REV.) 07/26/2019
REVISION 1

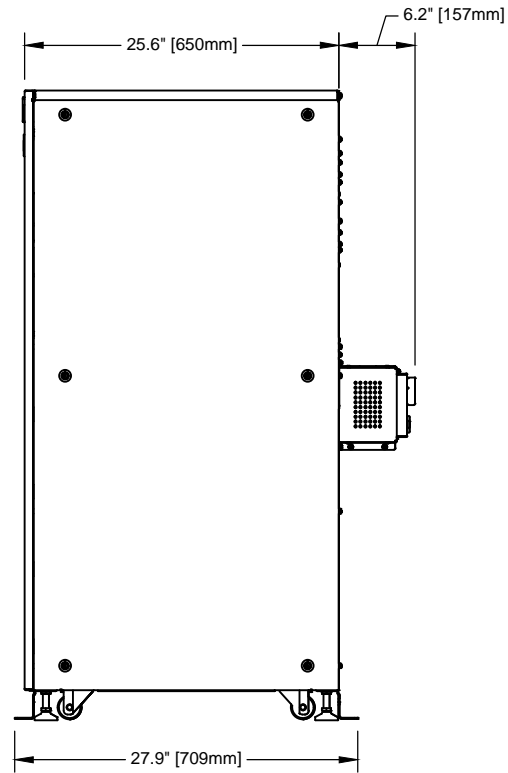
1050 DEARBORN DR
P.O. BOX 29186
COLUMBUS, OH 43229

NOTES

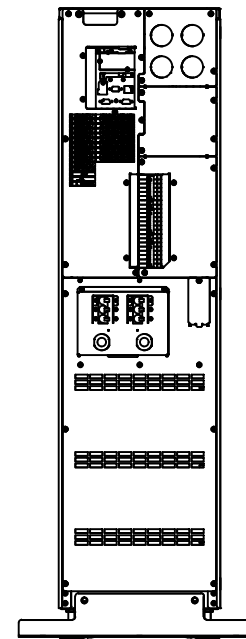
1. ALL DIMENSIONS ARE IN inches [mm].
2. 36" [914mm] MINIMUM CLEARANCE IN FRONT OF UNIT IS REQUIRED FOR SERVICE AND OPERATION. 8" [203mm] MINIMUM CLEARANCE IN REAR OF UNIT IS REQUIRED FOR OPERATION, FLEX CONDUIT MUST BE USED AS 36" [914mm] CLEARANCE IS REQUIRED IN REAR FOR SERVICE.
3. ALL WIRING MUST BE IN ACCORDANCE WITH NATIONAL AND LOCAL ELECTRICAL CODES.



FRONT VIEW



RIGHT SIDE VIEW



REAR VIEW

SHEET NO. 1 OF 3	DRAWN BY: J. SHIPMAN
ECN NO.	DESIGNED BY: J. FUCHIK
REF DWG.	APPROVED BY: J. FUCHIK

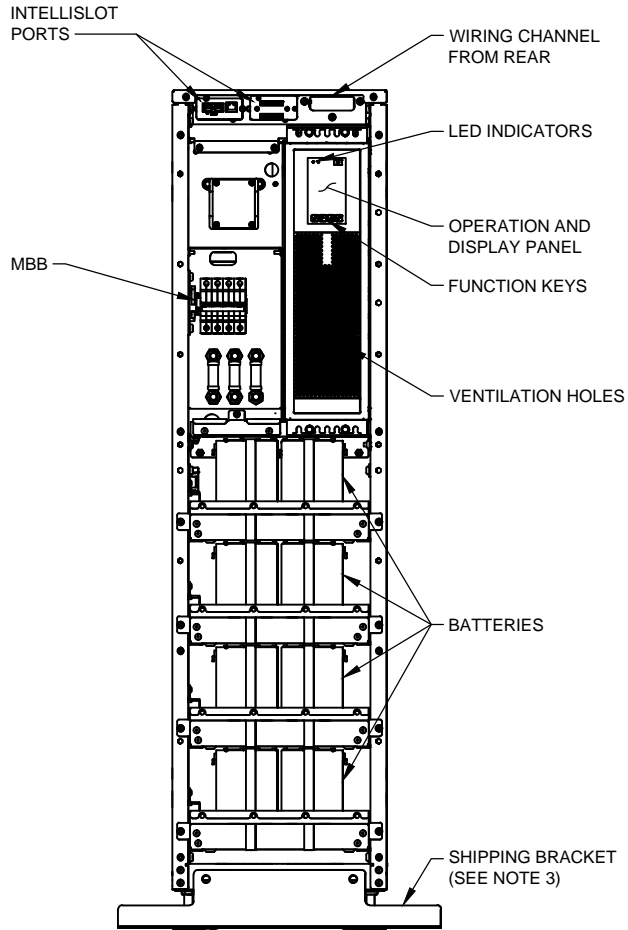
TITLE OUTLINE DRAWING 10kVA WITH INTEGRAL DISTRIBUTION LIEBERT EXS
--

DWG. NO. EXS-05-S006
DATE (LATEST REV.) 05/13/2019
REVISION 1

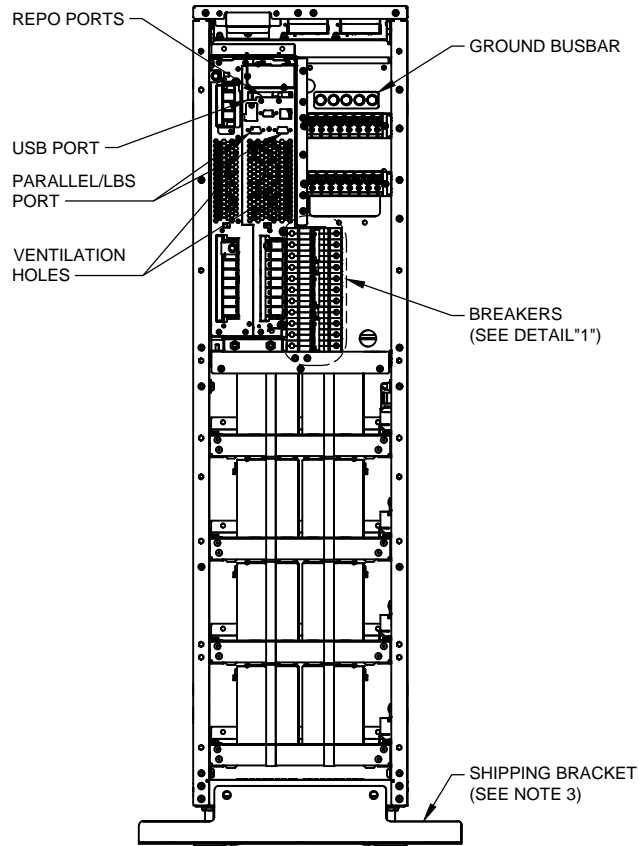


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COLUMBUS, OH 43229



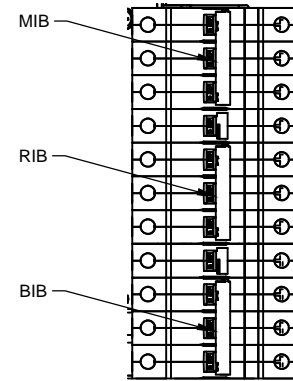
FRONT VIEW



BACK VIEW

NOTES

- CONTROL AND POWER WIRING MUST BE RUN IN SEPARATE CONDUITS.
- UPS AC INPUT AND AC OUTPUT WIRING MUST BE RUN IN SEPARATE CONDUITS.
- SHIPPING BRACKET TO BE REATTACHED TO UNIT FOR STABILITY ONCE UNIT IS IN PLACE.



DETAIL "1"
(BREAKERS)

SHEET NO. 2 OF 3	DRAWN BY: J. SHIPMAN
ECN NO.	DESIGNED BY: J. FUCHIK
REF DWG.	APPROVED BY: J. FUCHIK

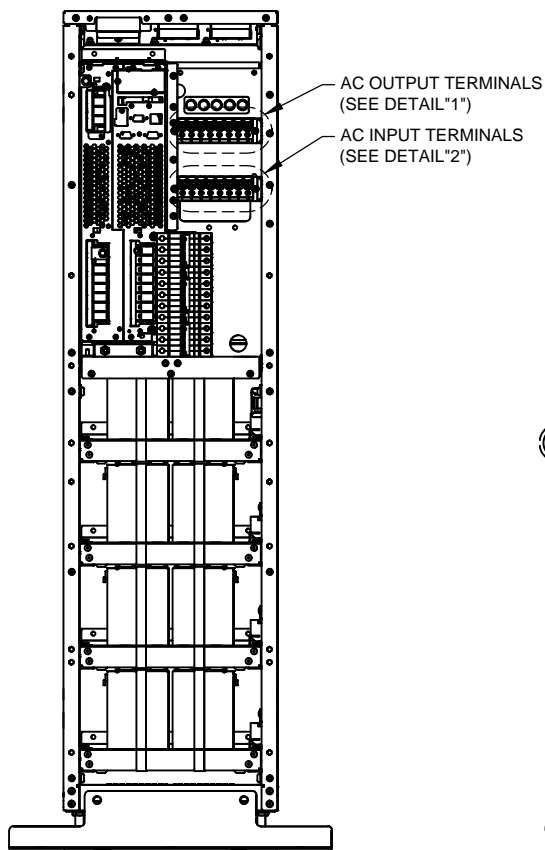
TITLE MAIN COMPONENTS 10kVA WITH INTEGRAL DISTRIBUTION LIEBERT EXS
--

DWG. NO. EXS-05-S006
DATE (LATEST REV.) 05/13/2019
REVISION 1
1050 DEARBORN DR P.O. BOX 29186 COLUMBUS, OH 43229



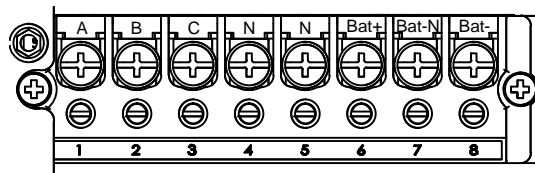
NOTES

- CONTROL AND POWER WIRING MUST BE RUN IN SEPARATE CONDUITS.
- UPS AC INPUT AND AC OUTPUT WIRING MUST BE RUN IN SEPARATE CONDUITS.

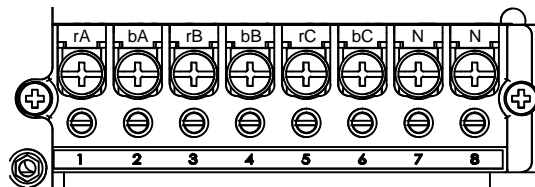


BACK VIEW

RECOMMENDED WIRE LUG FOR PHASE, GROUND AND NEUTRAL CONDUCTORS			
AWG (mm ²)	6 (13.3)	8 (8.36)	10 (5.26)
MANF: P/N	MCMaster-CARR: 7113K366	MCMaster-CARR: 7113K444	MCMaster-CARR: 7113K462
	THOMAS & BETTS: RE6-14	THOMAS & BETTS: RDV717	THOMAS & BETTS: RC10-14
RECOMMENDED TORQUE	- TYCO ELECTRONICS: 132331-1 TYCO ELECTRONICS: 1577648-1		
	26.6 LB-IN / 2.2 LB-FT / 3 Nm		



DETAIL "1"
(AC OUTPUT TERMINALS)



DETAIL "2"
(AC INPUT TERMINALS)

SHEET NO. 3 OF 3	DRAWN BY: J. SHIPMAN
ECN NO.	DESIGNED BY: J. FUCHIK
REF DWG.	APPROVED BY: J. FUCHIK

TITLE TERMINAL DETAILS 10kVA WITH INTEGRAL DISTRIBUTION LIEBERT EXS

DWG. NO. EXS-05-S006
DATE (LATEST REV.) 05/13/2019
REVISION 1
1050 DEARBORN DR P.O. BOX 29186 COLUMBUS, OH 43229




ELECTRICAL DATA											
kVA	VOLTAGE		AC INPUT			BYPASS CURRENT, A		BATTERY		AC OUTPUT CURRENT, A	
			RECTIFIER CURRENT, A		REC. OPD (*)	NOM.	REC. OPD	NOM. VDC	MAX DISCHARGE, A	NOM.	REC. OPD
	INPUT	OUTPUT	NOM.	MAX		NOM.	REC. OPD	NOM. VDC	MAX DISCHARGE, A	NOM.	REC. OPD
10	208	208	30	37	50	28	40	384	47	28	40
15	208	208	45	56	75	42	56	566	66	42	56
20	208	208	61	71	90	56	70	336	80	56	70
30	208	208	91	105	150	83	125	240	167	83	125

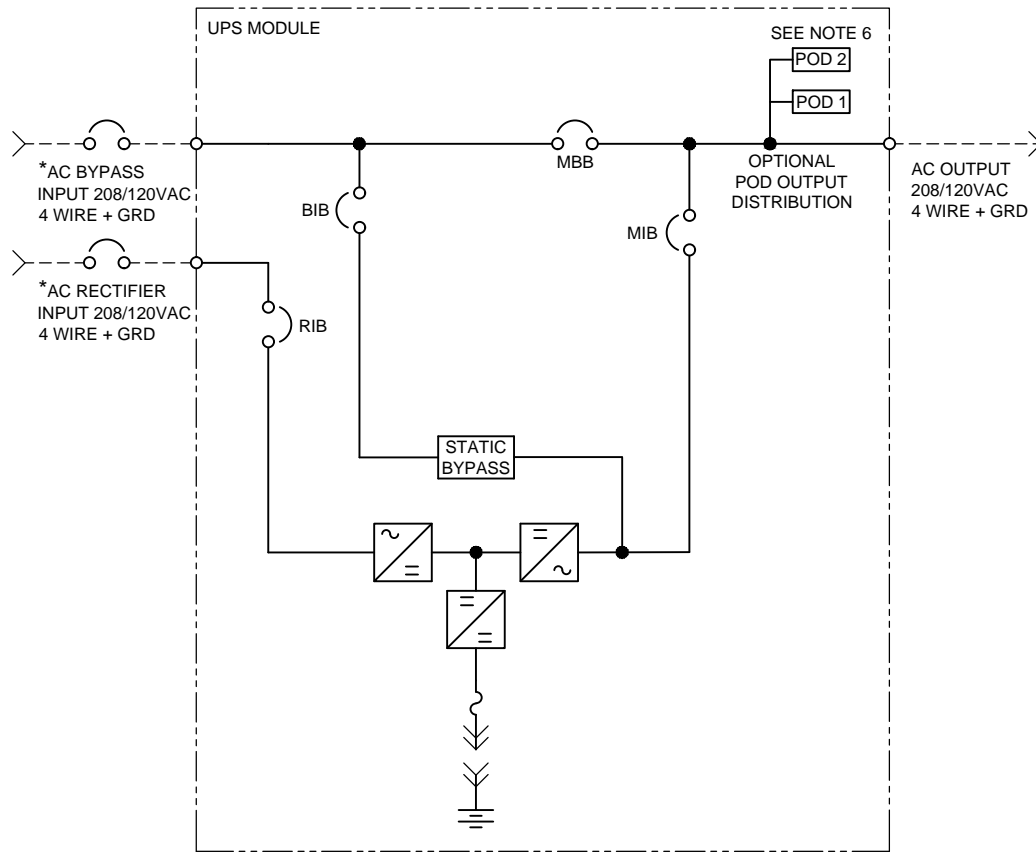
HEAT / WEIGHT INFORMATION			
KVARATING	UPS BTU/HR	UNIT WEIGHT	DOMESTIC PACKAGING
		LBS [Kg]	WEIGHT, LBS [Kg]
10 kVA W/1 BATT. STRING	2,557	437 [199]	487 [221]
10 kVA W/2 BATT. STRING	2,557	627 [283]	677 [306]
10 kVA W/3 BATT. STRING	2,557	893 [406]	1,011 [459]
10 kVA W/4 BATT. STRING	2,557	1,093 [496]	1,211 [550]
15 kVA W/2 BATT. STRING	3,736	734 [333]	852 [387]
15 kVA W/3 BATT. STRING	3,736	888 [403]	1,006 [457]
15 kVA W/4 BATT. STRING	3,736	1,042 [473]	1,160 [527]
20 kVA W/2 BATT. STRING	5,791	734 [333]	852 [387]
20 kVA W/3 BATT. STRING	5,791	888 [403]	1,006 [457]
20 kVA W/4 BATT. STRING	5,791	1,042 [473]	1,160 [527]
30 kVA W/1 BATT. STRING	7,471	1,132 [513.5]	1,280 [580.6]
30 kVA W/2 BATT. STRING	7,471	1,650 [748.4]	1,795 [814.2]

BATTERY INFORMATION		
UPS RATING	BATTERY MANUFACTURER	BATTERY MODEL
10, 15, 20kVA	HITACHI-CSB	HRL1234W-F2FR
30kVA	HITACHI-CSB	HRL12150W-FR

NOTES

- NOMINAL INPUT CURRENT (CONSIDERED CONTINUOUS) IS BASED ON FULL RATED OUTPUT LOAD. MAXIMUM CURRENT INCLUDES NOMINAL INPUT CURRENT AND MAXIMUM BATTERY RECHARGE CURRENT (CONSIDERED NONCONTINUOUS). CONTINUOUS AND NONCONTINUOUS CURRENT ARE DEFINED IN NEC 100. RECOMMENDED OVERCURRENT PROTECTION IS BASED ON 80% RATED DEVICES. * THE RECOMMENDED OVERCURRENT PROTECTION REPRESENTS 125% OF NOMINAL FULL LOAD CURRENT (CONTINUOUS) PER NEC 215.
- RECOMMENDED AC INPUT EXTERNAL OVERCURRENT PROTECTION IS BASED ON 80% RATED DEVICES AND MAXIMUM INPUT CURRENT LIMIT SETTING.
- RECOMMENDED AC OUTPUT EXTERNAL OVERCURRENT PROTECTION IS BASED ON 80% RATED DEVICES AND FULL RATED OUTPUT CURRENT.
- NOMINAL BATTERY VOLTAGE IS SHOWN AT 2.0 VOLTS / CELL.
- DOMESTIC PACKAGING DIMENSIONS (WxDxH): 10kVA UPS WITH 1 OR 2 BATTERY STRINGS 16x30x60 INCHES [407x762x1524 mm]. 10 kVA UPS WITH 3 OR 4 BATTERY STRINGS 36x48x60 INCHES [915x1220x1524 mm]. 15-20kVA UPS 36x48x72 INCHES [915x1220x1829mm]. 30kVA UPS 48x48x72 INCHES [1220x1220x1829mm].

SHEET NO. 1 OF 1	DRAWN BY: J. SHIPMAN	TITLE TECHNICAL INFORMATION 208/120V OR 220/127V INPUT/OUTPUT 10kVA - 30kVA LIEBERT EXS	DWG. NO. EXS-03-S001	
ECN NO.	DESIGNED BY: J. FUCHIK		DATE (LATEST REV.) 04/22/2019	
REF DWG.	APPROVED BY: J. FUCHIK		REVISION 2	



NOTES

1. INSTALL IN ACCORDANCE WITH NATIONAL AND LOCAL ELECTRICAL CODES.
2. AC RECTIFIER INPUT AND AC BYPASS INPUT MUST BE FROM THE SAME SOURCE.
3. A NEUTRAL IS REQUIRED FROM THE SYSTEM AC INPUT SOURCE. A FULL CAPACITY NEUTRAL CONDUCTOR IS RECOMMENDED. GROUNDING CONDUCTORS ARE RECOMMENDED.
4. UPS SYSTEM INPUT AND OUTPUT CABLES MUST BE RUN IN SEPARATE CONDUITS.
5. CONTROL WIRING MUST BE RUN IN SEPARATE CONDUITS.
6. POD PORT 2 IS NOT AVAILABLE ON THE 10kVA MODELS.

BIB - BYPASS ISOLATION BREAKER
 MBB - MAINTENANCE BYPASS BREAKER
 MIB - MAINTENANCE ISOLATION BREAKER
 RIB - RECTIFIER INPUT BREAKER

*EXTERNAL OVERCURRENT PROTECTION BY OTHERS

----- FIELD SUPPLIED WIRING

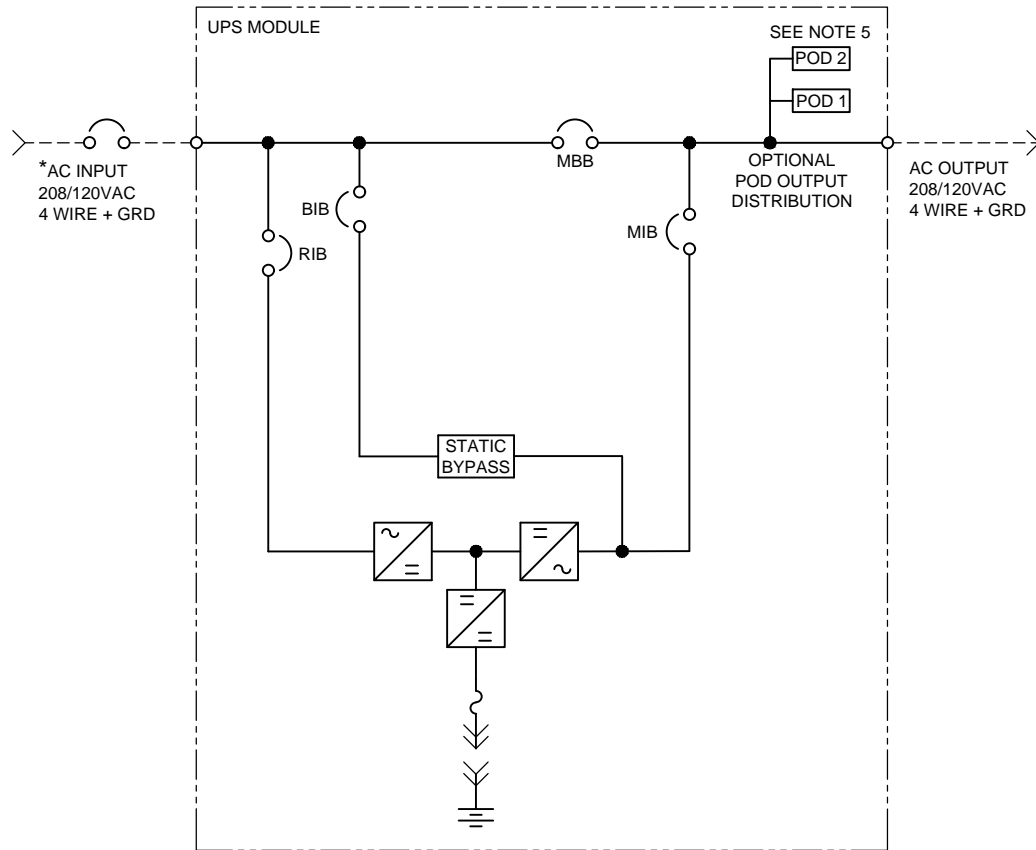
SHEET NO. 1 OF 1	DRAWN BY: J. SHIPMAN
ECN NO.	DESIGNED BY: J. FUCHIK
REF DWG.	APPROVED BY: J. FUCHIK

TITLE
**ONE-LINE DIAGRAM
 DUAL INPUT
 10kVA-30kVA
 LIEBERT EXS**

DWG. NO. EXS-01-S002
DATE (LATEST REV.) 05/09/2019
REVISION 1

1050 DEARBORN DR
 P.O. BOX 29186
 COLUMBUS, OH 43229





NOTES

1. INSTALL IN ACCORDANCE WITH NATIONAL AND LOCAL ELECTRICAL CODES.
2. A NEUTRAL IS REQUIRED FROM THE SYSTEM AC INPUT SOURCE. A FULL CAPACITY NEUTRAL CONDUCTOR IS RECOMMENDED. GROUNDING CONDUCTORS ARE RECOMMENDED.
3. UPS SYSTEM INPUT AND OUTPUT CABLES MUST BE RUN IN SEPARATE CONDUITS.
4. CONTROL WIRING MUST BE RUN IN SEPARATE CONDUITS.
5. POD PORT 2 IS NOT AVAILABLE ON THE 10kVA MODELS.

BIB - BYPASS ISOLATION BREAKER
 MBB - MAINTENANCE BYPASS BREAKER
 MIB - MAINTENANCE ISOLATION BREAKER
 RIB - RECTIFIER INPUT BREAKER

*EXTERNAL OVERCURRENT PROTECTION BY OTHERS

----- FIELD SUPPLIED WIRING

SHEET NO. 1 OF 1	DRAWN BY: J. SHIPMAN
ECN NO.	DESIGNED BY: J. FUCHIK
REF DWG.	APPROVED BY: J. FUCHIK

TITLE

**ONE-LINE DIAGRAM
 SINGLE INPUT
 10kVA-30kVA
 LIEBERT EXS**

DWG. NO. EXS-01-S001
DATE (LATEST REV.) 05/09/2019
REVISION 1

1050 DEARBORN DR
 P.O. BOX 29186
 COLUMBUS, OH 43229





2360 Oak Industrial Drive ne . Grand Rapids, Michigan 49505
tel 616.454.1218 . fax 616.454.5336 . www.hedrickassoc.com

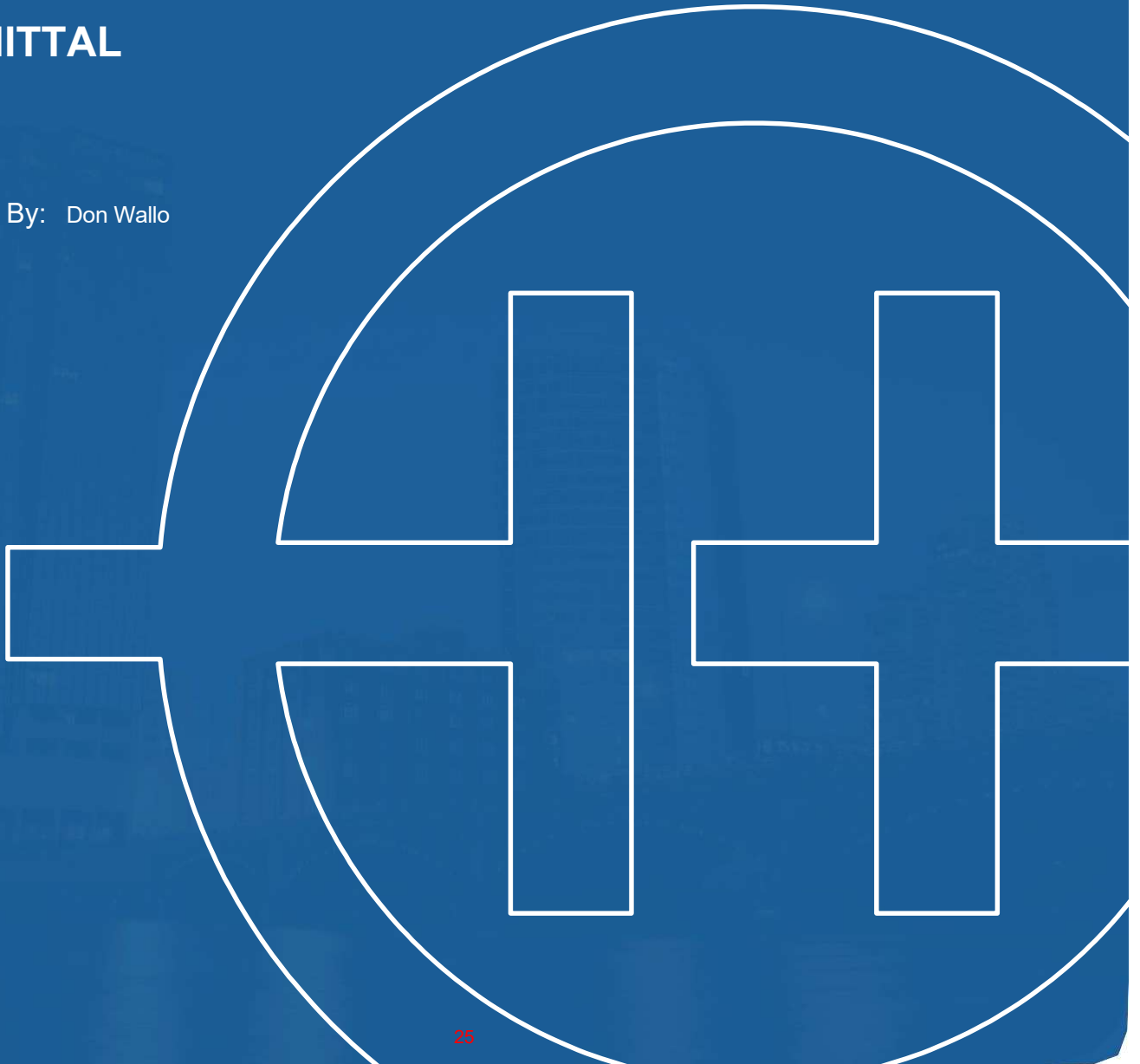


Hart County

Option 3 - 15KVA Exs UPS

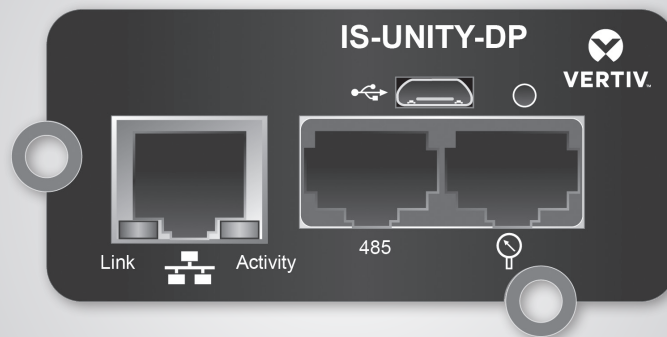
SUBMITTAL

Prepared By: Don Wallo



LIEBERT® INTELLISLOT™ UNITY PLATFORM CARDS

Product Specification/Installation Guide



The Liebert IntelliSlot Unity Platform brings SNMP, BACnet IP, BACnet MSTP, Modbus TCP, Modbus RTU, YDN23 and Web management capability to many models of Vertiv’s power and cooling equipment. The cards employ Ethernet and RS-485 networks to monitor and manage a wide range of operating parameters, alarms and notifications. The card also supports communication for LIFE™ Services by VERTIV.

ADDITIONAL FEATURES

- SNMPv1, SNMPv2c and SNMPv3 with MIB-II support
- HTTP/HTTPS 1.1
- BootP
- DHCP per RFC2131/2132
- Remote firmware updates via a Web browser
- IPv6 support for HTTP/HTTPS, DHCPv6, e-mail, SMS, SNMP v1/v2c/v3 and Modbus TCP

- Liebert SN Environmental Sensor Support (Web, SNMP, SMS and SMTP): Temperature, Humidity, Door Closure, Contact Closure and Leak Detection: Liebert SN-2D, Liebert SN-3C, Liebert SN-L, Liebert SN-T, Liebert SN-TH, Liebert SN-Z01, Liebert SN-Z02 and Liebert SN-Z03

IntelliSlot Unity cards are a form, fit, and function replacement for several Liebert IntelliSlot Web and 485 cards.

COMPATABILITY with Liebert Equipment

IntelliSlot Card	Compatible with			
IS-UNITY-DP	Alber BDSU-50™	Liebert Deluxe System/3™	Liebert GXT3™	Liebert PeX™ *
IS-UNITY-SNMP	Liebert APM™	Liebert DS™	Liebert GXT4™	Liebert PPC™
IS-UNITY-LIFE	Liebert APS™	Liebert DSE™	Liebert HPC™	Liebert RDC™
	Liebert Challenger 3000™	Liebert EPM™	Liebert HPC-S/M/R/W/Generic™	Liebert RX™
	Liebert CRV™	Liebert EXC™	Liebert HPM™	Liebert XDC™
	Liebert CW™	Liebert eXL™	Liebert NX™ 225-600 kVA	Liebert XDP™
	Liebert DCL™	Liebert EXL™ S1	Liebert NXC™	Liebert XDP-Cray™
	Liebert DCP™	Liebert eXM™	Liebert NXL™ *	
		Liebert FDC™	Liebert NXR™	
		Liebert FPC™	Liebert PCW™/PDX™	

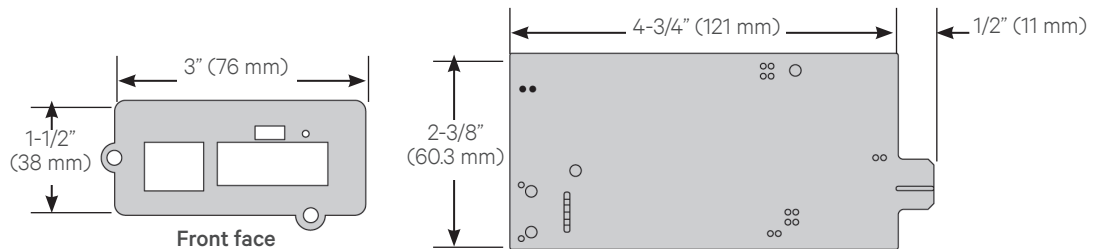
* YDN23 supported only for Liebert PeX and Liebert NXL.

COMPATABILITY with Communication Protocols

Liebert IntelliSlot Card	Life Services Support	Communication Protocol							
		HTTP HTTPS	Velocity Protocol	Email	SMS	SNMP v1, v2c, v3	BACnet IP BACnet MSTP	Modbus TCP Modbus RTU	YDN23*
IS-UNITY-DP	✓	✓	✓	✓	✓	✓	✓	✓	✓
IS-UNITY-SNMP	✓	✓	✓	✓	✓	✓	—	—	—
IS-UNITY-LIFE	✓	✓	✓	✓	✓	—	—	—	—

* YDN23 supported only for Liebert PeX and Liebert NXL.

DIMENSIONS



SPECIFICATIONS

Power Requirements	DC Inputs	7 to 12 VDC
	Power Consumptions:	3.6 W maximum
Dimensions, W x D x H	2.97 x 5.2 x 1.45 in. (75.5 x 15 x 37 mm)	
Weight (assembled)	Net:	7 oz (0.2 kg)
	Shipping:	1.3 lb (0.6 kg)
Ambient Operating Environment	32 to 104°F (0 to 40°C); 10% to 90% RH (non-condensing)	
Ambient Storage Temperature	-4 to 140°F (-20 to 60°C)	
Communication Ports	Ethernet Communication	RJ-45 (LIFE™ Services requires a network connection to the Internet)
	RJ-45 (RJ-45 to 2-position terminal-block adapter)	

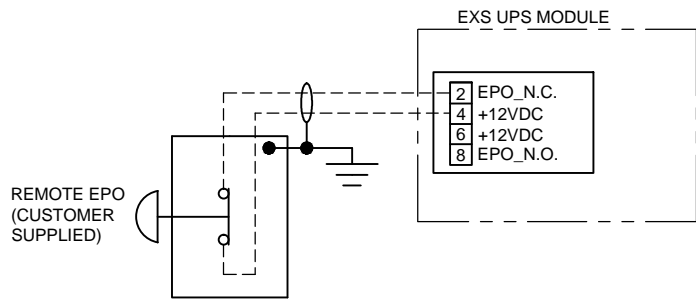
WIRING

10/100 Mb/s Ethernet connector	Standard Category 5E Cable	328 ft. (100m)
RJ-45 - One-Wire Connector	Liebert® Integrated One-Wire Sensor Cable or 2m Cat 5E to Modular 1-Wire	65.6 ft. (20m)

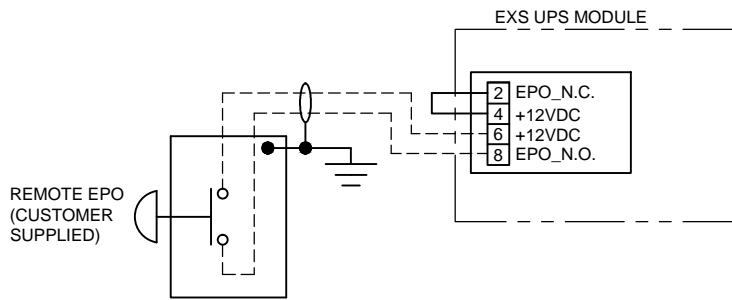
VertivCo.com | Vertiv Headquarters, 1050 Dearborn Drive, Columbus, OH, 43085, USA

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N.C. REPO



N.O. REPO

NOTES

1. EACH CABLE GROUP MUST BE RUN IN A SEPARATE GROUNDED CONDUIT TO PREVENT CONTROL SIGNAL INTERFERENCE.
2. ALL WIRING MUST BE DONE IN ACCORDANCE WITH NATIONAL AND LOCAL ELECTRICAL CODES.
3. N.O. = NORMALLY OPEN, N.C. = NORMALLY CLOSED.
4. IF NOT CONNECTED TO REPO, THE FACTORY INSTALLED JUMPER ON PINS 2-4 MUST REMAIN INSTALLED.

CABLE GROUP #5 - REMOTE EMERGENCY POWER OFF (REPO) (FBO) TO UPS

TERMINAL DESIGNATION		SIGNAL NAME	MAXIMUM VOLTAGE	MAXIMUM CURRENT	WIRE RANGE	REMARKS
FROM	TO					
REPO (FBO)	J14-2	REPO INPUT CONTACT N.C.	12Vdc	100mA	18-33AWG	
	J14-4	REPO INPUT CONTACT N.C.				
	J14-6	REPO INPUT CONTACT N.O.				
	J14-8	REPO INPUT CONTACT N.O.				

----- FIELD SUPPLIED WIRING

SHEET NO. 1 OF 1	DRAWN BY: J. SHIPMAN
ECN NO.	DESIGNED BY: J. FUCHIK
REF DWG.	APPROVED BY: J. FUCHIK

CONTROL WIRING
CABLE GROUP #5
15kVA - 30kVA, (REPO) REMOTE EMERGENCY POWER OFF
LIEBERT EXS

DWG. NO. EXS-19-S003
DATE (LATEST REV.) 01/22/2019
REVISION 1


1050 DEARBORN DR
P.O. BOX 29186
COLUMBUS, OH 43229

NOTES

1. EACH CABLE GROUP MUST BE RUN IN A SEPARATE GROUNDED CONDUIT TO PREVENT CONTROL SIGNAL INTERFERENCE.
2. ALL WIRING MUST BE DONE IN ACCORDANCE WITH NATIONAL AND LOCAL ELECTRICAL CODES.
3. N.O. = NORMALLY OPEN, N.C. = NORMALLY CLOSED.

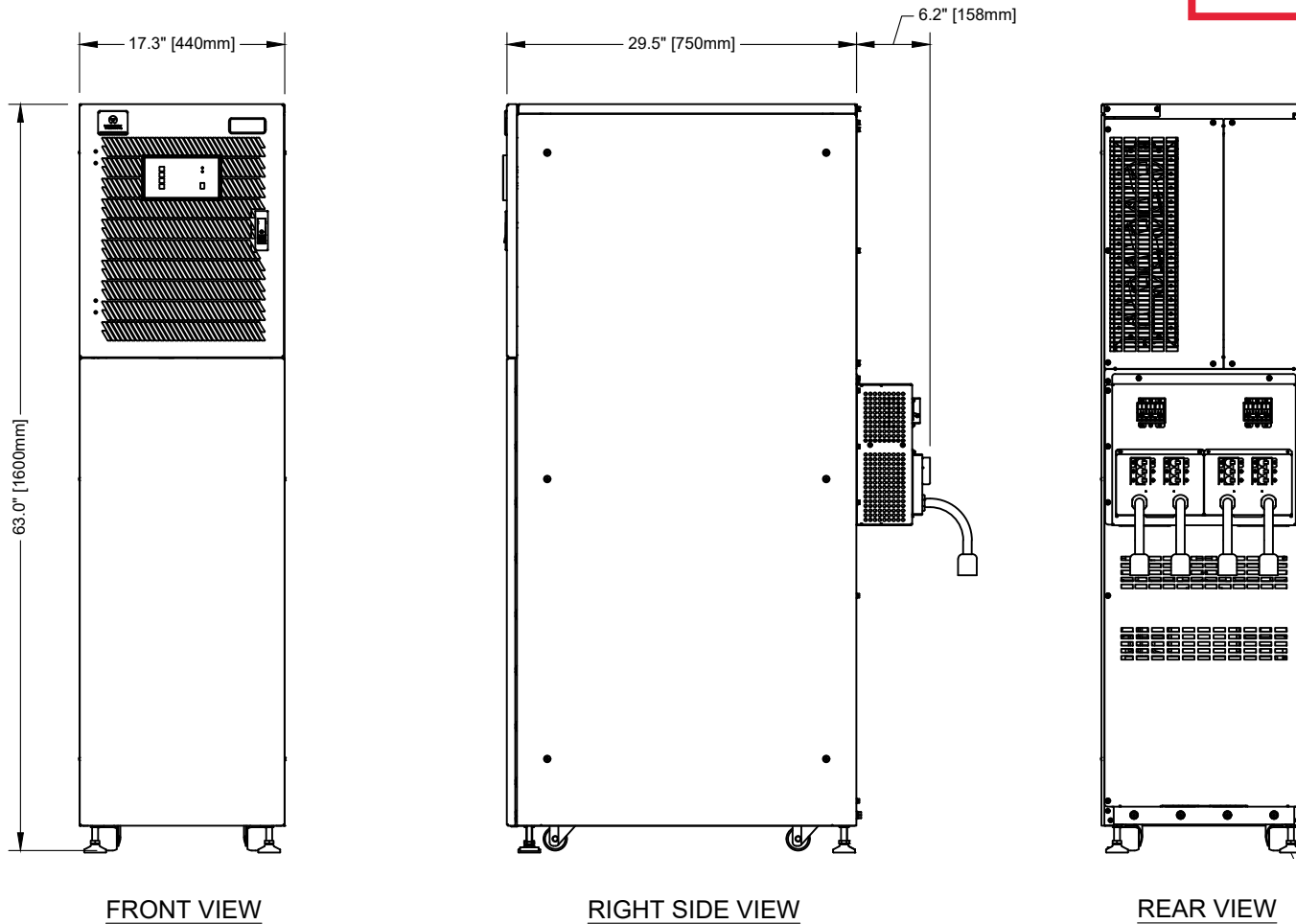
CABLE GROUP #3 - FROM CUSTOMER CONNECTION TO UPS INPUT DRY CONTACTS						
TERMINAL DESIGNATION		SIGNAL NAME	MAXIMUM VOLTAGE	MAXIMUM CURRENT	WIRE RANGE	REMARKS
FROM	TO					
CUSTOMER	J13-1	USER SELECTABLE INPUT CONTACT. DEFAULT: EXTERNAL MIB STATUS	12VDC	20mA	18-33AWG	AVAILABLE INPUT CONTACTS: ON GENERATOR, TRANSFER TO INVERTER INHIBIT, EXTERNAL MIB STATUS, EXTERNAL MBB STATUS, MODULE OUTPUT BREAKER STATUS, BATTERY GROUND FAULT DETECTED, CHARGER SHUTDOWN, ECO MODE INHIBIT (INVERTER MODE PREFERRED), START BATTERY MAINTENANCE SELF-TEST, STOP BATTERY MAINTENANCE SELF-TEST, ALARM CLEARED.
	J13-3					
	J13-5	USER SELECTABLE INPUT CONTACT. DEFAULT: MODULE OUTPUT BREAKER STATUS				
	J13-7					
	J13-9	USER SELECTABLE INPUT CONTACT. DEFAULT: EXTERNAL MBB STATUS				
	J13-11					
	J13-13	USER SELECTABLE INPUT CONTACT. DEFAULT: ON GENERATOR				
	J13-15					
	J13-2	USER SELECTABLE INPUT CONTACT. DEFAULT: TRANSFER TO INVERTER INHIBIT				
	J13-4					
	J13-6-8-10	RESERVED				
J13-12	INTERNAL BATTERY TEMPERATURE SENSOR INPUTS					
J13-14						
J13-16		INTERNAL BATTERY TEMPERATURE SENSOR GND				


CABLE GROUP #4 - UPS OUTPUT DRY CONTACTS TO CUSTOMER CONNECTION						
TERMINAL DESIGNATION		SIGNAL NAME	MAXIMUM VOLTAGE	MAXIMUM CURRENT	WIRE RANGE	REMARKS
FROM	TO					
J14-1	CUSTOMER	USER SELECTABLE OUTPUT CONTACT. DEFAULT: ON BATTERY	24VDC	0.5A	18-33AWG	AVAILABLE OUTPUT CONTACTS: SYSTEM ALARM (SUMMARY), ON BATTERY, LOW BATTERY, UPS FAULT, ON BYPASS, ON UPS, REMOTE EPO, MAIN INPUT ABNORMAL, ON MAINTENANCE BYPASS, LOAD SHED SIGNAL 1, LOAD SHED SIGNAL 2, INTERNAL MBB CLOSED.
J14-3						
J14-5		USER SELECTABLE OUTPUT CONTACT. DEFAULT: SUMMARY ALARM				
J14-7						

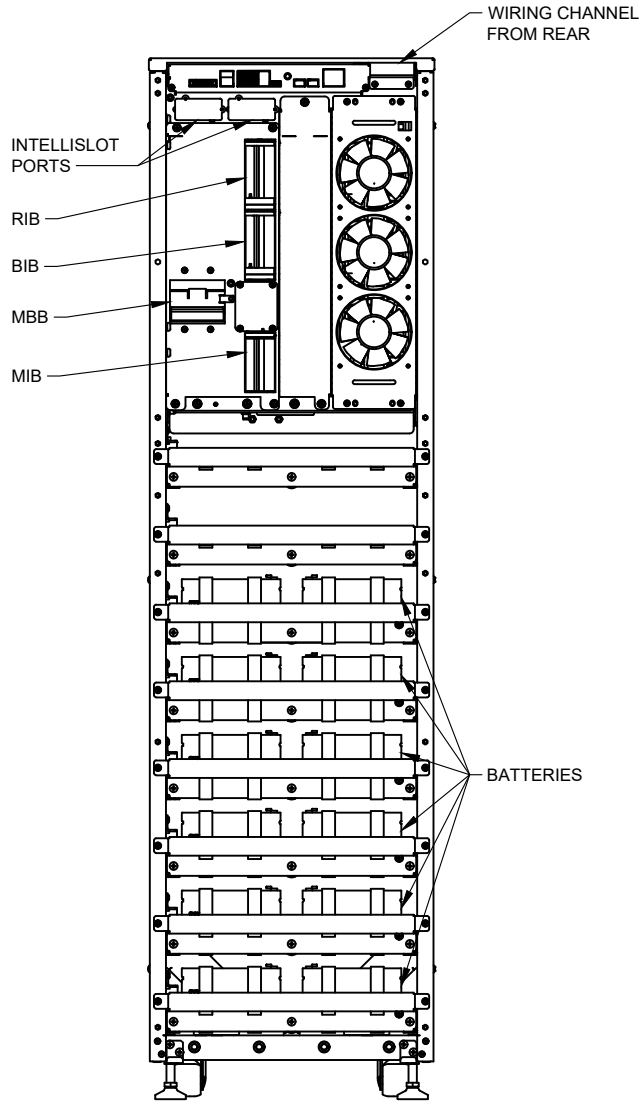
SHEET NO. 1 OF 1	DRAWN BY: J. SHIPMAN	TITLE CONTROL WIRING CABLE GROUP #3 AND #4 15kVA - 30kVA UPS, INPUT AND OUTPUT DRY CONTACTS LIEBERT EXS	DWG. NO. EXS-19-S002	
ECN NO.	DESIGNED BY: J. FUCHIK		DATE (LATEST REV.) 08/07/2018	
REF DWG.	APPROVED BY: J. FUCHIK		REVISION 0	

NOTES

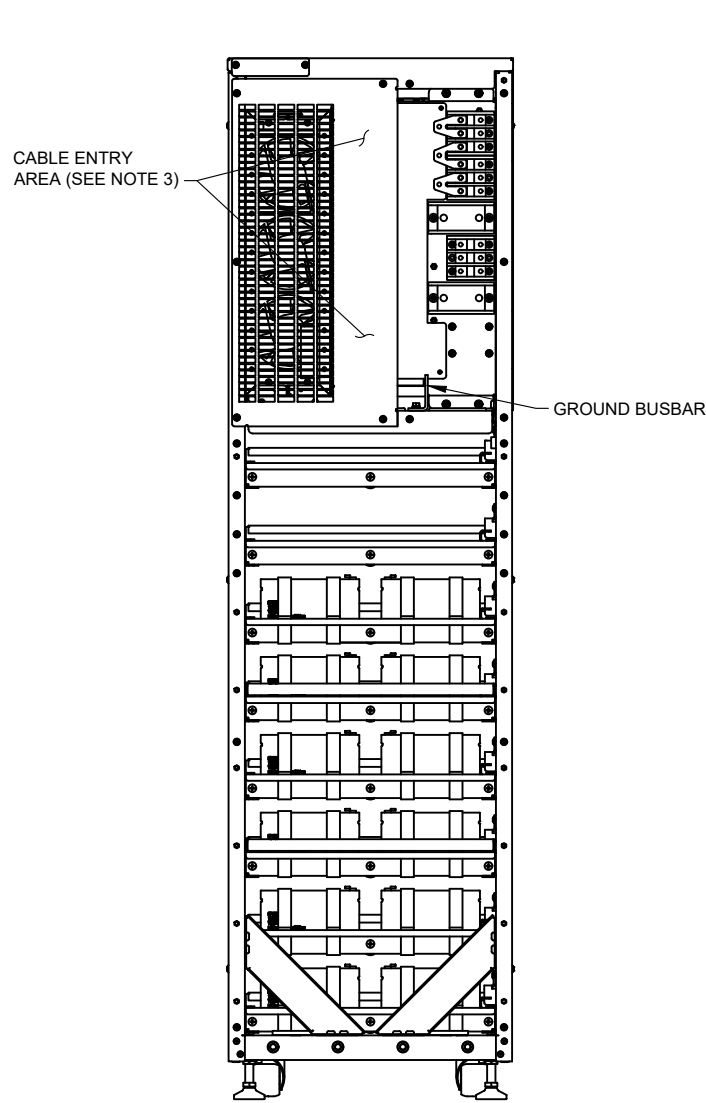
1. ALL DIMENSIONS ARE IN inches [mm].
2. 36" [914mm] MINIMUM CLEARANCE IN FRONT OF UNIT IS REQUIRED FOR SERVICE AND OPERATION. 8" [203mm] MINIMUM CLEARANCE IN REAR OF UNIT IS REQUIRED FOR OPERATION, FLEX CONDUIT MUST BE USED AS 36" [914mm] CLEARANCE IS REQUIRED IN REAR FOR SERVICE.
3. ALL WIRING MUST BE IN ACCORDANCE WITH NATIONAL AND LOCAL ELECTRICAL CODES.



SHEET NO. 1 OF 3	DRAWN BY: N.M.	TITLE OUTLINE DRAWING 15kVA - 20kVA WITH INTEGRAL DISTRIBUTION LIEBERT EXS	DWG. NO. EXS-05-S008	
ECN NO.	DESIGNED BY: J. FUCHIK		DATE (LATEST REV.) 06/11/2019	
REF DWG.	APPROVED BY: J. FUCHIK		REVISION 2 1050 DEARBORN DR P.O. BOX 29186 COLUMBUS, OH 43229	



FRONT VIEW



BACK VIEW

NOTES

1. CONTROL AND POWER WIRING MUST BE RUN IN SEPARATE CONDUITS.
2. UPS AC INPUT AND AC OUTPUT WIRING MUST BE RUN IN SEPARATE CONDUITS.
3. CABLE ENTRY AREA. REMOVE, PUNCH TO SUIT CONDUIT SIZE AND REPLACE.

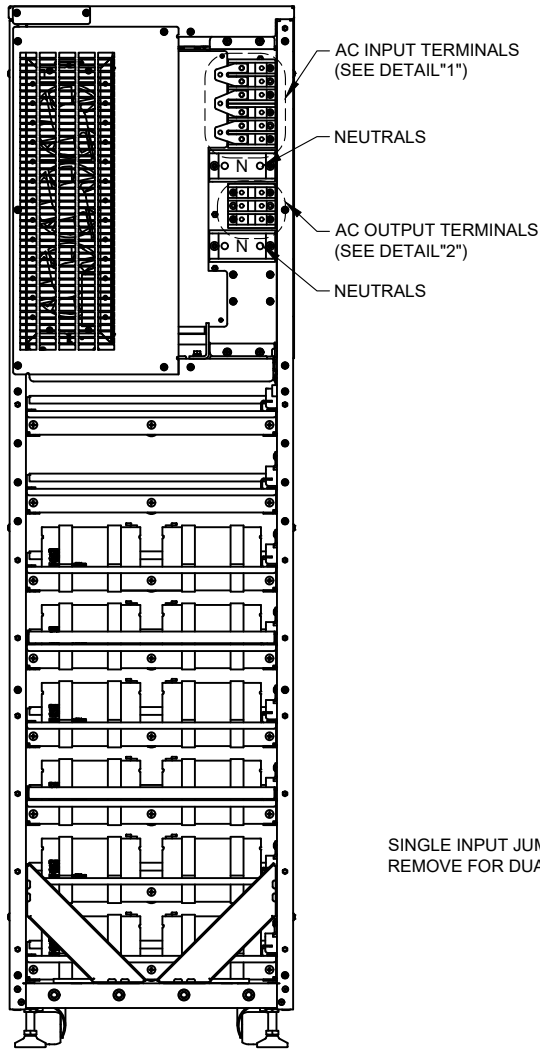
SHEET NO. 2 OF 3	DRAWN BY: N.M.	TITLE
ECN NO.	DESIGNED BY: J. FUCHIK	MAIN COMPONENTS 15kVA - 20kVA WITH INTEGRAL DISTRIBUTION LIEBERT EXS
REF DWG.	APPROVED BY: J. FUCHIK	

DWG. NO. EXS-05-S008
DATE (LATEST REV.) 06/11/2019
REVISION 2
1050 DEARBORN DR P.O. BOX 29186 COLUMBUS, OH 43229



NOTES

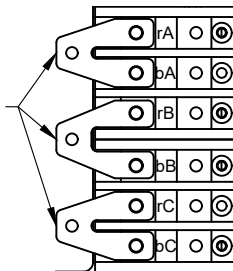
- CONTROL AND POWER WIRING MUST BE RUN IN SEPARATE CONDUITS.
- UPS AC INPUT AND AC OUTPUT WIRING MUST BE RUN IN SEPARATE CONDUITS.



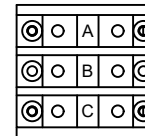
RECOMMENDED WIRE LUG FOR PHASE AND GROUND CONDUCTORS				
AWG (mm2)	6 (13.3)	4 (21.2)	3 (26.7)	2 (33.6)
MANF: P/N	MCMaster-CARR: 7113K366	MCMaster-CARR: 7113K441	MCMaster-CARR: 6926K54	MCMaster-CARR: 6926K54
	THOMAS & BETTS: RE6-14	THOMAS & BETTS: 54138NT02	THOMAS & BETTS: 54107NT	THOMAS & BETTS: 54107NT
RECOMMENDED TORQUE	50 LB-IN / 4.2 LB-FT / 5.6 Nm			

RECOMMENDED WIRE LUG FOR NEUTRAL CONDUCTORS				
AWG (mm2)	6 (13.3)	4 (21.2)	3 (26.7)	2 (33.6)
MANF: P/N	THOMAS & BETTS: RE6-516	THOMAS & BETTS: CTL4-516	THOMAS & BETTS: CTL2-516	THOMAS & BETTS: CTL2-516
	THOMAS & BETTS: CTL6-516			
RECOMMENDED TORQUE	126 LB-IN / 10.5 LB-FT / 14.2 Nm			

SINGLE INPUT JUMPERS.
REMOVE FOR DUAL INPUT.



DETAIL "1"
(AC INPUT TERMINALS)



DETAIL "2"
(AC OUTPUT TERMINALS)

BACK VIEW

SHEET NO. 3 OF 3	DRAWN BY: N.M.
ECN NO.	DESIGNED BY: J. FUCHIK
REF DWG.	APPROVED BY: J. FUCHIK

TITLE TERMINAL DETAILS 15kVA - 20kVA WITH INTEGRAL DISTRIBUTION LIEBERT EXS

DWG. NO. EXS-05-S008
DATE (LATEST REV.) 06/11/2019
REVISION 2
1050 DEARBORN DR P.O. BOX 29186 COLUMBUS, OH 43229




ELECTRICAL DATA											
kVA	VOLTAGE		AC INPUT			BYPASS CURRENT, A		BATTERY		AC OUTPUT	
			RECTIFIER CURRENT, A		REC. OPD (%)	NOM.	REC. OPD	NOM. VDC	MAX DISCHARGE, A	NOM.	REC. OPD
	INPUT	OUTPUT	NOM.	MAX							
10	208	208	20	27	50	28	40	284	47	28	40
15	208	208	45	53	70	42	60	336	60	42	60
20	208	208	61	71	90	50	70	360	60	50	70
30	208	208	91	105	150	83	125	240	167	83	125

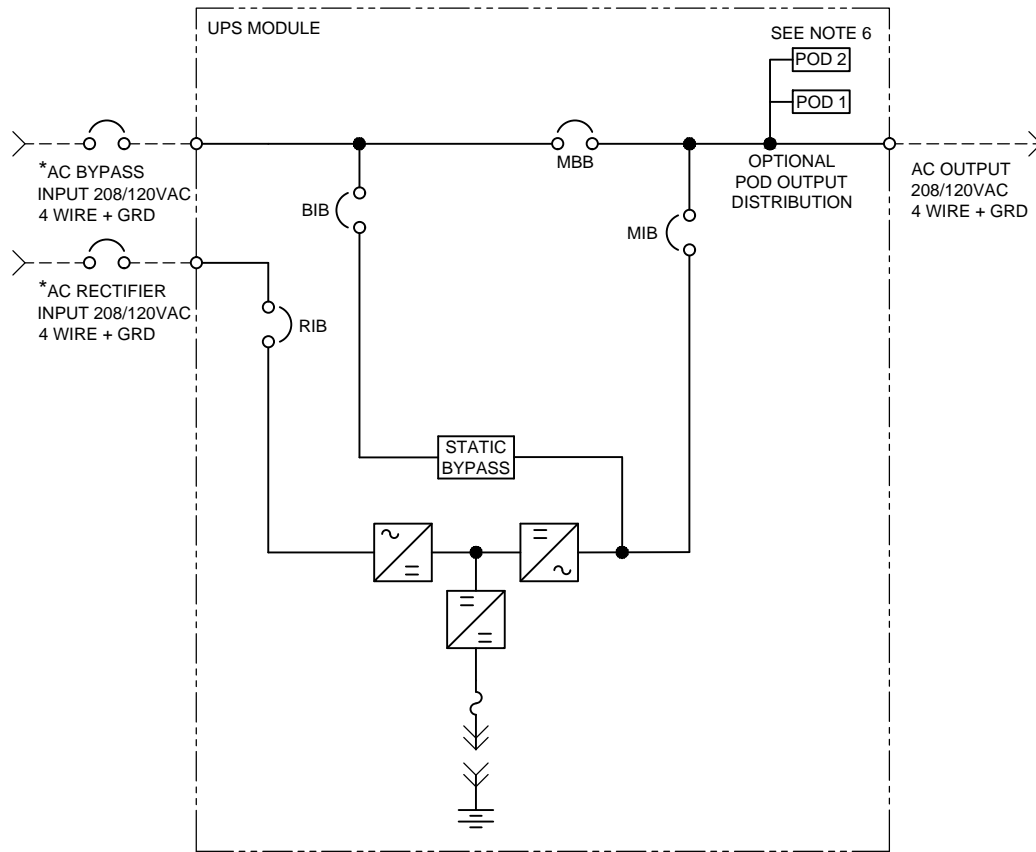
HEAT / WEIGHT INFORMATION			
KVARATING	UPS BTU/HR	UNIT WEIGHT	DOMESTIC PACKAGING
		LBS [Kg]	WEIGHT, LBS [Kg]
10 kVA W/1 BATT. STRING	2,557	437 [199]	487 [221]
10 kVA W/2 BATT. STRING	2,557	627 [285]	677 [308]
10 kVA W/3 BATT. STRING	2,557	893 [406]	1,011 [459]
10 kVA W/4 BATT. STRING	2,557	1,090 [493]	1,211 [550]
15 kVA W/2 BATT. STRING	3,736	734 [333]	852 [387]
15 kVA W/3 BATT. STRING	3,736	888 [403]	1,006 [457]
15 kVA W/4 BATT. STRING	3,736	1,042 [473]	1,160 [527]
20 kVA W/2 BATT. STRING	5,791	734 [333]	852 [387]
20 kVA W/3 BATT. STRING	5,791	888 [403]	1,006 [457]
20 kVA W/4 BATT. STRING	5,791	1,042 [473]	1,160 [527]
30 kVA W/1 BATT. STRING	7,471	1,132 [513.5]	1,280 [580.6]
30 kVA W/2 BATT. STRING	7,471	1,650 [748.4]	1,795 [814.2]

BATTERY INFORMATION		
UPS RATING	BATTERY MANUFACTURER	BATTERY MODEL
10, 15, 20kVA	HITACHI-CSB	HRL1234W-F2FR
30kVA	HITACHI-CSB	HRL12150W-FR

NOTES

- NOMINAL INPUT CURRENT (CONSIDERED CONTINUOUS) IS BASED ON FULL RATED OUTPUT LOAD. MAXIMUM CURRENT INCLUDES NOMINAL INPUT CURRENT AND MAXIMUM BATTERY RECHARGE CURRENT (CONSIDERED NONCONTINUOUS). CONTINUOUS AND NONCONTINUOUS CURRENT ARE DEFINED IN NEC 100. RECOMMENDED OVERCURRENT PROTECTION IS BASED ON 80% RATED DEVICES. * THE RECOMMENDED OVERCURRENT PROTECTION REPRESENTS 125% OF NOMINAL FULL LOAD CURRENT (CONTINUOUS) PER NEC 215.
- RECOMMENDED AC INPUT EXTERNAL OVERCURRENT PROTECTION IS BASED ON 80% RATED DEVICES AND MAXIMUM INPUT CURRENT LIMIT SETTING.
- RECOMMENDED AC OUTPUT EXTERNAL OVERCURRENT PROTECTION IS BASED ON 80% RATED DEVICES AND FULL RATED OUTPUT CURRENT.
- NOMINAL BATTERY VOLTAGE IS SHOWN AT 2.0 VOLTS / CELL.
- DOMESTIC PACKAGING DIMENSIONS (WxDxH): 10kVA UPS WITH 1 OR 2 BATTERY STRINGS 16x30x60 INCHES [407x762x1524 mm]. 10 kVA UPS WITH 3 OR 4 BATTERY STRINGS 36x48x60 INCHES [915x1220x1524 mm]. 15-20kVA UPS 36x48x72 INCHES [915x1220x1829mm]. 30kVA UPS 48x48x72 INCHES [1220x1220x1829mm].

SHEET NO. 1 OF 1	DRAWN BY: J. SHIPMAN	TITLE TECHNICAL INFORMATION 208/120V OR 220/127V INPUT/OUTPUT 10kVA - 30kVA LIEBERT EXS	DWG. NO. EXS-03-S001	
ECN NO.	DESIGNED BY: J. FUCHIK		DATE (LATEST REV.) 04/22/2019	
REF DWG.	APPROVED BY: J. FUCHIK		REVISION 2	



NOTES

1. INSTALL IN ACCORDANCE WITH NATIONAL AND LOCAL ELECTRICAL CODES.
2. AC RECTIFIER INPUT AND AC BYPASS INPUT MUST BE FROM THE SAME SOURCE.
3. A NEUTRAL IS REQUIRED FROM THE SYSTEM AC INPUT SOURCE. A FULL CAPACITY NEUTRAL CONDUCTOR IS RECOMMENDED. GROUNDING CONDUCTORS ARE RECOMMENDED.
4. UPS SYSTEM INPUT AND OUTPUT CABLES MUST BE RUN IN SEPARATE CONDUITS.
5. CONTROL WIRING MUST BE RUN IN SEPARATE CONDUITS.
6. POD PORT 2 IS NOT AVAILABLE ON THE 10kVA MODELS.

BIB - BYPASS ISOLATION BREAKER
 MBB - MAINTENANCE BYPASS BREAKER
 MIB - MAINTENANCE ISOLATION BREAKER
 RIB - RECTIFIER INPUT BREAKER

*EXTERNAL OVERCURRENT PROTECTION BY OTHERS

----- FIELD SUPPLIED WIRING

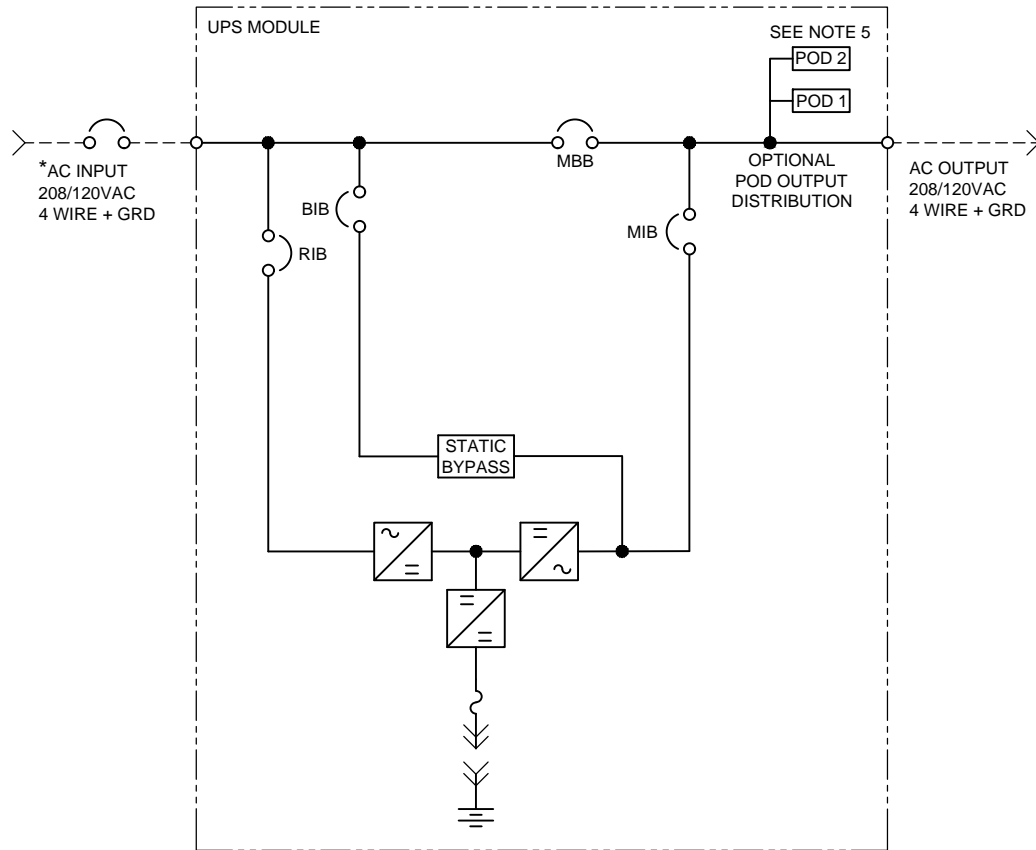
SHEET NO. 1 OF 1	DRAWN BY: J. SHIPMAN
ECN NO.	DESIGNED BY: J. FUCHIK
REF DWG.	APPROVED BY: J. FUCHIK

TITLE

**ONE-LINE DIAGRAM
 DUAL INPUT
 10kVA-30kVA
 LIEBERT EXS**

DWG. NO. EXS-01-S002
DATE (LATEST REV.) 05/09/2019
REVISION 1

1050 DEARBORN DR
 P.O. BOX 29186
 COLUMBUS, OH 43229



NOTES

1. INSTALL IN ACCORDANCE WITH NATIONAL AND LOCAL ELECTRICAL CODES.
2. A NEUTRAL IS REQUIRED FROM THE SYSTEM AC INPUT SOURCE. A FULL CAPACITY NEUTRAL CONDUCTOR IS RECOMMENDED. GROUNDING CONDUCTORS ARE RECOMMENDED.
3. UPS SYSTEM INPUT AND OUTPUT CABLES MUST BE RUN IN SEPARATE CONDUITS.
4. CONTROL WIRING MUST BE RUN IN SEPARATE CONDUITS.
5. POD PORT 2 IS NOT AVAILABLE ON THE 10kVA MODELS.

BIB - BYPASS ISOLATION BREAKER
 MBB - MAINTENANCE BYPASS BREAKER
 MIB - MAINTENANCE ISOLATION BREAKER
 RIB - RECTIFIER INPUT BREAKER

*EXTERNAL OVERCURRENT PROTECTION BY OTHERS

----- FIELD SUPPLIED WIRING

SHEET NO. 1 OF 1	DRAWN BY: J. SHIPMAN
ECN NO.	DESIGNED BY: J. FUCHIK
REF DWG.	APPROVED BY: J. FUCHIK

TITLE

**ONE-LINE DIAGRAM
 SINGLE INPUT
 10kVA-30kVA
 LIEBERT EXS**

DWG. NO. EXS-01-S001
DATE (LATEST REV.) 05/09/2019
REVISION 1

1050 DEARBORN DR
 P.O. BOX 29186
 COLUMBUS, OH 43229





April 9, 2024

Oceana County Sheriff's Office
Brian Schlaack

216 Lincoln Street Hart MI 49420

Brian

Shoreline Power Services is pleased to offer this pricing for you. This price is based on information supplied by you at the time of request. Any changes in scope, schedule or design may require additional pricing.

Scope of Work: UPS Swap

- Demo old UPS and remove
- Install new UPS provided by Oceana County
- Test and label all UPS circuits
- Any extra work will be done T&M \$95 HR
- Get all permits and inspections
- Get engineered drawings

Cost: \$ 12,000.00

If you have any questions regarding this proposal or would like further pricing, please feel free to call me at any time. Thank you for the opportunity, we look forward to being part of the project team

Sincerely,

Bill Butler 231-590-7703
Project Manager

This proposal clearly sets forth the scope of work for the indicated project and I agree with all terms and conditions.

3535 Roger B. Chaffee Blvd. Suite B | Grand Rapids | Michigan | 49548
Phone: 616.241.6330 | Fax: 616.241.6334 | www.shorelinpowerservices.com

SHORELINE

POWER SERVICES INC

Accepted by:

Title:

Date:



Terms and Conditions

1. An instruction to carry out work, whether written or verbal, shall be taken as acceptance of these terms and conditions unless the work is the subject of another written contract, the terms of which supersede these.
2. **Definition and basis of pricing**
 - a) **An estimate** is an approximate price, calculated with reasonable care from available information, which may be given as a range or percentage variation. It constitutes an offer to do the work within the price range. This will be used where an exact price is not required or is impossible to give due to lack of information.
 - b) **A quotation** is an offer to do the work specified at the price quoted.
Once either a quotation or an estimate is accepted by the client it is to be taken as a contract between the company and the client.
 - c) **Schedule of work.** An estimate or quotation will be calculated from the schedule of work or information supplied by the client. This schedule is the basis of the contract and clients are advised to check the schedule carefully to ensure that it is what they require.
3. **Conditions**
 - a) The price is based on normal working hours, Monday to Friday, unless otherwise stated.
 - b) Due to the fluctuation in material prices this proposal is only valid for 24 hours.
4. **Variations**
 - a) Unless otherwise stated in the estimate or quotation all variations in labor and/ or material costs subsequent to the date of the estimate or quotation may be passed on to the client.
 - b) Variations or additional work required shall be detailed by the client as early as possible. Ideally this will enable a price variation to be prepared and accepted. Instructions for work to proceed, before such acceptance, shall be required in writing and taken to mean acceptance of charges.
 - c) Should variations be necessary and the client not available, the work will be carried out in the manner Shoreline considers to best solve the problem. Any such variation will be chargeable to the client unless expressly forbidden by the client in writing.
5. **Payment**
 - a) Unless otherwise stated in the estimate or quotation, payment shall be due on receipt of invoice, which shall be submitted on completion of work.
 - b) Should the period of work be extended, monthly invoices for work done and materials supplied or specially ordered and held will be submitted. Payment of these shall be due on receipt of invoice.
 - c) Materials supplied shall remain the property of the company until paid in full.
 - d) If any invoice is not paid when due, Shoreline Power Services, Inc. may charge a finance charge equal to 1.5% per month from the date of the invoice until paid. Should Shoreline Power Services, Inc., initiate any action to force collection of any sums due, the client agrees to pay all costs incurred by Shoreline Power Services, Inc., in collection including reasonable attorney fees.
6. **Time of Completion**

Shoreline Power Services, Inc., shall endeavor to carry out the work in accordance with the dates specified on the estimate or quotation, or if no dates are specified, within a reasonable period of time. However, Shoreline Power Services, Inc. cannot be held responsible for any losses, damage or increase in cost due to delays beyond its control.
7. **Warranty**

Shoreline Power Services, Inc. warrants all workmanship provided by our employees for one (1) year from the date of installation. Parts provided by others or installation done by others are expressly excluded from this warranty. This warranty doesn't include items damaged by acts of nature, misuse or abuse. Electronic devices, luminaries and appliances are excluded from this warranty but will be covered by the manufacturer's warranty.

On receipt of notice in writing of any claimed defect within the 1 year time frame, Shoreline Power Services, Inc. agrees to correct all defective work it performed. Any claim for breach of warranty must be made in writing. The implementation of this warranty shall only be carried out by the company staff or persons instructed by Shoreline

3535 Roger B. Chaffee Blvd. Suite B | Grand Rapids | Michigan | 49548
Phone: 616.241.6330 | Fax: 616.241.6334 | www.shorelinpowerservices.com

SHORELINE

POWER SERVICES INC

Power Services, Inc. No responsibility is accepted for repairs or alterations performed by anyone other than Shoreline Power Services, Inc.

Shoreline Power Services, Inc., shall not be responsible for any losses incurred by client using equipment before work contemplated by this contract is completed.

Shoreline Power Services, Inc. shall not be liable for any damage or losses incurred as a result of the failure of any work provided by Shoreline Power Services, Inc., resulting from a design provided by the client.

Shoreline Power Services, Inc.'s liability for claims of any kind is limited to the purchase price of the product or services to be provided by Shoreline Power Services, Inc. to the client.

THE FOREGOING WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS AND IMPLIED WARRANTIES WHATSOEVER, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE, AND THOSE ARISING OUT OF COURSE OF DEALING OR USAGE OF TRADE. EXCEPT AS OTHERWISE PROVIDED IN THIS LIMITED WARRANTY, SHORELINE POWER SERVICES, INC. MAKES NO OTHER WARRANTIES OF ANY KIND. UNDER NO CIRCUMSTANCES SHALL SHORELINE POWER SERVICES BE LIABLE FOR ANY INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES INCLUDING, WITHOUT LIMITATION, LOST GOODWILL, LOST REVENUES OR PROFITS, WORK STOPPAGE, SYSTEM FAILURE, COST OF REMOVAL OR REINSTALLATION, LOSS OF USE,

8. **Safety**

Shoreline Power Services, Inc., will ensure project site safety for its own employees ensuring that they are adequately trained, supervised, and provided with the needed protective equipment to safely do their job. Shoreline Power Services, Inc., has agreed to perform its work under the scope of this contract with the understanding that the jobsite will be a safe environment for its employees and that all OSHA regulations and requirements are complied with on the jobsite by all contractors, subcontractors, employees, etc. In the event Shoreline Power Services, Inc., discovers an environment on the jobsite that is not compliant with OSHA regulations and requirements or is otherwise unsafe, Shoreline Power Services, Inc., reserves the right to cease all work until such time that client can provide proof that the unsafe conditions is remedied to the satisfaction of Shoreline Power Services, Inc.



Detail Bill of Material

Project Name: Mason Oceana Sheriff 911 / DTP80420X2K2 / B042122MP0937 / 9PX-CGK10929X3K1
Negotiation No: CGK10929X3K1
General Order No:
Alternate No: 0000

Valid until 10/29/23

Item No.	Qty	Product	Description	Unit	Quote Price	Extended Quote
	1	Single-Phase UPS	9PX6KP2, 6kVA 9PX w/ 6kVA PPDM, Graphical LCD screen enables you to customize UPS settings, diagnose alarms and view load and power consumption, ABM technology for up to 50% longer battery life, Includes Network-MS card, 93% efficiency in normal mode, Rack/tower form factor with 4 post rail kit included, Input voltage: 208-240V, Output Voltage: 120/240V, 6000VA/5400W, Input connection: Hardwired, Output connection: Hardwired, Runtime: 3/8.5 minutes (full load/half load), Dimensions (H"xW"xD"): 10.2 (6U) x 17.3 x 28.4, Weight: 201lbs		\$8,408.75	\$8,408.75

Catalog No 9PX6KP2

Catalog No	Qty	List of Materials
9PX6KP2	1	9PX 6K UPS W/ HW 120V OUTPUT
9PXEBM180RT	2	BT053020 EATON W/T BAT. 1112 6K UL MES1
FREIGHT-PQD	1	Standard Ground Shipping to MI

Item No.	Qty	Product	Description	Unit	Quote Price	Extended Quote
	1	UPS - 9130	Eaton Battery Integration System		\$402.42	\$402.42

Catalog No BINTSYS
Designation Cart

Qty	List of Materials
1	Eaton Battery Integration System

Total Quote Price \$8,811.17

Eaton Selling Policy 25-000 applies.

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.

Seller shall not be responsible for any failure to perform, or delay in performance of, its obligations resulting from the COVID-19 pandemic or any future epidemic, and Buyer shall not be entitled to any damages resulting thereof.



Oceana County Board of Commissioners

County Building
100 State Street, Suite M-4, Hart, MI 49420

AGENDA

Finance and Administration Committee

There will be a committee meeting on Thursday, **May 23, 2024, beginning at 10:00 a.m.**, or immediately following any preceding committee meetings, in the Oceana County Board of Commissioners Room, 100 State Street, Hart, MI 49420.

Committee Chair: Craig Hardy

Committee Vice-Chair: Tim Beggs

Presenter	Description	Item #
Commissioner Hardy	Call to Order Roll Call Approval of Meeting Minutes from May 9, 2024 Pages 42 - 45 Changes to the Agenda Approval of the Agenda Public Comment (<i>state your name, current address, and agenda item or topic</i>)	
Mr. Kevin Hughes, MA Health Officer, District Health Department #10	Health Department Annual Report	
Administrator Byard	Resolution Recognizing May as Mental Health Awareness Month Page 46	2024-61
Administrator Byard	Employee Picnic Discussion	2024-62
Administrator Byard	Administrator's Review of Selected Claims for Payment Pages 47 & 48 Administrator's Report Page 49	2024-63
	Department Head Reports	
	CLOSED SESSION FOR THE PURPOSE OF COUNTY ADMINISTRATOR'S ANNUAL PERFORMANCE EVALUATION MCL 15.268(a)	
	Public Comment (<i>state name, current address, and agenda item or topic</i>)	
	Adjournment	

Finance and Administration Committee

The Finance and Administration Committee Meeting was called to order by Chairperson Hardy on Thursday, May 9, 2024, at 10:22 a.m., in the Board Conference Room.

Present: Mr. Erickson, Mr. Morse, Mr. Beggs, Mr. Walker, and Mr. Hardy.

Also Present: Ms. Byard, Oceana County Administrator; and Ms. Anderson, Oceana County Clerk.

Moved by Mr. Beggs and supported by Mr. Morse to approve the minutes of the April 25, 2024 Finance and Administration Committee meeting as presented.

Voice vote. Motion carried.

Chairperson Hardy asked if there were any additions to the agenda. No additions were mentioned.

Moved by Mr. Walker and seconded by Mr. Erickson to approve the agenda as presented.

Voice vote. Motion carried.

Public Comment

There were no public comments at this time.

Agenda Items

Ms. Byard requested consideration to establish two MERS Unfunded Accrued Liability surplus divisions and to authorize a supplemental payment for the General and Sheriff employees and a supplemental payment for the Building Department. Mr. Walker suggested sending a letter/email to all retirees who are on the defined benefits regarding the steps the Board has chosen to take for the future of the employees.

Ms. Byard also requested approval of the 2024 L4029.

Ms. Byard did not read the claims for payment, but the following was provided:

REVIEW OF CLAIMS FOR PAYMENT (>= \$1,000 and Other Noteworthy Expenditures)

Fund #	Dept. #	Dept. Name	Amount	Purpose
Special Revenue Funds				
210 - Ambulance				
			\$ 6,820.00	To Hart area fire department for 1st qtr MFR costs
			\$ 2,860.00	To Hesperia area fire department for 1st qtr MFR costs
			\$ 6,600.00	To Pentwater area fire department for 1st qtr MFR costs

215 - Friend of the Court		\$ 2,194.06
260 - Indigent Defense		
	\$ 5,833.33	to Indigent Defense Consultants for managed assigned counsel services.
272 - Criminal Justice Training		
298 - Technology & Innovation		
549 - Building Department		
	\$ 3,780.15	to RVN Inspections, LLC for permits, residential plan reviews, and commercial plan reviews
	\$ 1,050.00	to Shoreline Inspection Service LLC for permits, residential plan reviews, and commercial plan reviews.
	\$ 1,908.72	to Sonnie Smith for permits, residential plan reviews, and commercial plan reviews
	\$ 1,050.00	to Thomas Story for permits, residential plan reviews, and commercial plan reviews
General Fund		
223 - County Auditing	\$1500.00	To Watkins Ross & Co for professional services
228 - Data Processing	\$26,574.00	To BS&A for software maintenance contract.

265 - Courthouse & Grounds	\$ 2,331.06	to City of Hart for utilities
301 - Sheriff	\$ 1,386.20	to AT&T mobility
	\$ 8,385.65	to Wex Bank for fuel purchases
	\$ 11,316.04	to Wex Bank for fuel purchases
	\$ 2,110.17	to NYE uniforms
	\$ 1,003.94	to Undersea Systems international for equipment
331 - Marine Law	\$ 1,330.35	to Charlie's Marina for fuel purchases
351 - Jail	\$ 1,141.54	to DTE for utilities
	\$ 1,728.55	to Gordon Food Service for inmate board and janitorial supplies
	\$ 3,182.89	to City of Hart for utilities
	\$ 1,659.82	to Anderson Mechanical for repairs and maintenance
	\$ 1,835.51	to Magnum Electronics for machinery and equipment
	\$ 3,378.75	to Muskegon Fire Equipment for repairs and maintenance
442 - Drain	\$ 1,930.00	to BS&A for software maintenance contract.
528 - Transfer Station	\$ 12,018.00	to American Classic Dumpster Services

~	Total	\$ 374,126.29
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Administrator's Report (as provided by Ms. Byard):

MERS

A meeting was held Veronica from MERS to review the MERS Actuarial and as stated previously, we are currently 83.8% funded. There is one division that is over 180% funded and there is no new activity within that division. Therefore, 60% of those funds can be transferred to one of the underfunded divisions. This will not change the overall funding, but will increase the funding for that other division. We also discussed creating a surplus division, which is where additional payments submitted would increase the funding level of the plans and are not considered when calculating future annual required contributions. Contributions made to this new division may result in the unfunded accrued liability being paid off more quickly. This surplus division can be used for specific divisions, such as the General and Sheriffs Divisions, which is where the additional payments have been previously made.

AUDITORS

Items requested by the auditors have been gathered for our department. They are scheduled to be here for on-site work May 6th through the 10th and additional information may be required at that time.

FOLLOW UP

The wording for the rules and regulations for Parks and Recreation have been changed according to the motion made by the Board of Commissioners at their previous meeting. The updated version was forwarded to Mr. Garry McKeen for review. Copies will be distributed to their board and a copy to Mr. Stephen Carlson as it relates to the master plan for parks.

Additional Administrator's Report Items

A check for \$283,000.00 was received from BCBS for 2023 reimbursement of which \$267,000.00 was put back into the general fund.

Department Head Reports

There were no department head reports at this time.

Public Comment

There were no public comments at this time.

Chairperson Hardy asked if there was any further business to come before the Board. There being none, the meeting adjourned at 10:52 p.m.

Respectfully submitted,

Amy L. Anderson
Oceana County Clerk

Oceana County Board of Commissioners

Resolution #24-11 Recognizing May as Mental Health Awareness Month

Whereas, May is Mental Health Awareness month; and

Whereas, mental health is important for our individual well-being and vitality, as well as that of our families, communities, and businesses; and

Whereas, stigma associated with mental illness, developmental disabilities and substance use disorder creates one of the primary barriers to individuals seeking needed services; and

Whereas, the Board of Commissioners of the County of Mason recognize that stigma associated with mental illness, developmental disabilities and substance use disorder creates one of the primary barriers to individuals seeking needed services; and

Whereas, one out of every five adults in the U.S. will have a diagnosed mental health condition in any given year; and

Whereas, one in six U.S. children aged 2 to 8 years will have a diagnosed mental, behavioral, or developmental disorder; and

Whereas, mental illness is a biologically based brain disorder that cannot be overcome through “will power” and is not related to a defect in a person’s “character” or intelligence; and

Whereas, West Michigan Community Mental Health is a federally certified community behavioral health clinic, and

Whereas, West Michigan Community Mental Health serves as the public behavioral health care provider for people with mental health conditions, developmental disabilities, and/or substance use disorders in Mason, Lake and Oceana counties; and

Therefore, be it resolved that the Board of Commissioners of the County of Oceana hereby recognizes May 2024 as Mental Health Awareness Month and calls upon our citizens, government agencies, public and private institutions, businesses, and schools to recommit our state to increasing awareness and understanding of mental illness, and the need for appropriate and accessible services for all people with mental illness to promote recovery.

Oceana County Administrator

REVIEW OF CLAIMS FOR PAYMENT (>= \$1,000 and Other Noteworthy Expenditures)

Fund #	Dept. #	Dept. Name	Amount	Purpose
Special Revenue Funds				
210 - Ambulance			\$ 1,127.77	to Republic Services for trash removal
239 - Shelby Twp Community Park			\$ 40,826.10	to Spalding DeDecker for project services
260 - Indigent Defense			\$ 7,798.50	to Hayes Law Office, PLC for court appointed attorney fees.
			\$ 12,454.50	to MKG Law Office, PLLC for court appointed attorney fees
			\$ 1,668.00	to Annette Howe for court appointed attorney fees.
			\$ 7,601.00	to Good Law for court appointed attorney fees.
			\$ 11,236.00	to Springstead Law Offices for court appointed attorney fees.
293 - Veterans			\$ 11,200.00	To Herin Construction for indigent veteran/dependent expense
298 - Technology & Innovation			\$ 1,535.77	to Huntington National Bank for equipment and software
			\$ 2,406.36	to SHI International Corp for Machinery & Equipment and software
549 - Building Department			\$ 5,660.15	to Randolph D Miller, LLC for permits, residential plan reviews, and commercial plan reviews
			\$ 3,770.30	to RVN Inspections, LLC for permits, residential plan reviews, and commercial plan reviews
			\$ 1,000.00	to Shoreline Inspection Service LLC for permits, residential plan reviews, and commercial plan reviews.
			\$ 1,134.74	to Sonnie Smith for permits, residential plan reviews, and commercial plan reviews
General Fund				
101 - BOC			\$ 6,750.20	to H Security & Investigation for courthouse security services

229 - Technology Department	\$ 1,115.66	to Huntington National Bank for employee training and conference
257 - Equalization	\$ 24,210.00	to V&V Assessing for equalization and assessing services.
283 - Circuit Court	\$ 1,182.60	for Juror Fees
	\$ 4,223.92	to Hayes Law Office for monthly appropriations.
	\$ 3,300.00	to Heacock Reporting for court contracted services.
	\$ 4,223.92	to Springstead Law Offices for monthly appropriations
301 - Sheriff	\$ 21,644.99	to Enterprise for fleet vehicle management.
	\$ 4,502.30	to Command Communications for repairs
	\$ 5,485.00	to Pro-tech Sales for supplies
351 - Jail	\$ 15,536.15	to Advanced Correctional Healthcare for inmate medical
	\$ 1,456.39	to Gordon Food Serice for inmate board and janitorial supplies
	\$ 1,467.94	to Gordon Food Serice for inmate board and janitorial supplies
	\$ 1,139.00	to Engineered Protections Systems, Inc for security purposes
528 - Transfer Station	\$ 42,528.20	to American Classic Dumpster Services
649 - Mental Health	\$ 9,349.98	to West Michigan CMH for Local May 2024 Match
728 - Econmoic & Community Development	\$ 12,705.00	To Jeffrey Donohoe for Develop workforce tranining
~ Total	\$ 270,240.44	

COUNTY ADMINISTRATOR'S REPORT

MAY 23, 2024

MAC HEALTH AND HUMAN SERVICES (ZOOM)

Trial Court Funding has been extended until December 31, 2026, which will allow the State Court Administrators Office to collect data to determine how to proceed in the future. It is on the Governors desk to sign. The Trial Court recommendations should be released May 1, 2026. Senator Jeff Irwin introduced a bipartisan package, SB 861-864, that will establish Productivity Credits. Productivity Credits are designed to make Michigan safer and to invest our tax dollars more effectively in proven strategies that reduce crime, address the needs of current victims, and reduce the number of victims in the future. They claim that the Productivity Credits would incentivize prisoners to rehabilitate and allow them to lead meaningful lives after time is served. MAC and the County Prosecutors are against this package. HB 4523 and 24 has been introduced regarding a Mental Health Court. The Committee discussed the issues with Mental Health pertaining to those being arrested and the jails having to make a determination about calling in Mental Health for a review.

OCEANA COUNTY ECONOMIC ALLIANCE (ZOOM)

The Oceana County Economic Alliance met with an update from Mr. Curtis Burdette regarding ongoing projects. The committee also discussed fund raising and updating their process. The updates will be discussed at the next meeting.

BROADBAND TASKFORCE MEETING (ZOOM)

A meeting of the Broadband Taskforce was held to discuss where we are with broadband throughout the county and where we need to go. Todd Kruse, Frontier Communications was on the meeting and reviewed their locations throughout the county and plans for the future.

FOLLOW UP

At a previous meeting Chairman Walker asked Commissioners to provide some dates for the tour at Animal Control, Airport, and the Griswold Building. I have not received any dates and would like to get this scheduled if possible.

The surplus divisions for MERS have been created and the payment is being submitted.

The documents that were distributed at the previous meeting by Mr. Walker pertaining to the Transfer Station have been distributed to American Classic.



Oceana County Board of Commissioners

County Building
100 State Street, Suite M-4, Hart, MI 49420

AGENDA

Regular Board Meeting

The Oceana County Board of Commissioners will hold its **Regular Meeting on Thursday, May 23, 2024, beginning at 11:30 a.m.** in the Oceana County Board of Commissioners Room, 100 State Street, Hart, MI 49420.

Board Chair: Robert Walker

Board Vice-Chair: Tim Beggs

Presenter	Description	Item #
Chair	Pledge of Allegiance Call to Order Roll Call Approval of minutes from May 9, 2024 Pages 53 & 54 Conflict of Interest Disclosure Regarding Agenda Items Changes to the Agenda Approval of the Agenda Public Comment (<i>state your name, current address, and agenda item or topic</i>)	
Mr. Erickson	Preventative Maintenance Contract Motion #2024-59, to enter into a three-year preventative maintenance contract, with _____, to maintain the air conditioning, heating ventilation, and refrigeration for all county buildings in the amount of \$_____. Roll Call	2024-59
Mr. Beggs	Unlimited Power Supply (UPS) Repair Motion 2024-60, approving the repair to the unlimited power supply (UPS) at the Sheriff’s Department in the amount not to exceed \$24,388, and to allow the Administrator to make the necessary adjustment. Roll Call	2024-60
Mr. Hardy	Resolution Mental Health Awareness Month Motion 2024-61, adopt Resolution #24-11 recognizing May as Mental Health Awareness Month. Roll Call	2024-61
Mr. Morse	Employee Picnic Roll Call	2024-62
Mr. Hardy	Payment of Claims Pages 55 & 56	2024-63

Presenter	Description	Item #
REPORTS FROM COMMISSIONERS AND DEPARTMENT HEADS		
	Public Comment <i>(state your name, current address, and agenda item or topic)</i>	
	Adjournment	

**Board Conference Room
May 9, 2024
Board of Commissioners Minutes**

The regular meeting of the Oceana County Board of Commissioners was called to order by Chairperson Walker, on Thursday, May 9, 2024, at 11:30 p.m.

Chairperson Walker led the Board in the Pledge of Allegiance to the Flag of the United States of America.

Roll was called by Clerk Anderson. Present: Mr. Erickson, Mr. Morse, Mr. Beggs, Mr. Hardy, and Mr. Walker.

Also Present: Ms. Byard, Oceana County Administrator; Judge Middlebrook, 79th District Court Judge; and Ms. Anderson, Oceana County Clerk.

Moved by Mr. Hardy and seconded by Mr. Beggs to approve the minutes from the April 25, 2024 Regular Board Meeting as amended.

Voice vote. Motion carried.

Chairperson Walker asked if any commissioners wished to declare any conflicts of interest on the agenda items. No conflicts were declared.

Chairperson Walker asked if there were any additions to the agenda. No additions were mentioned.

Moved by Mr. Erickson and supported by Mr. Morse to approve the agenda as presented.

Voice vote. Motion carried.

Public Comment

There were no public comments at this time.

Agenda Items

MOTION #2024-54 – MERS SURPLUS DIVISIONS

Moved by Mr. Hardy and supported by Mr. Erickson, to adopt a Defined Benefit Plan Surplus Division Adoption Addendum for the Building Department Division 11 and a Defined Benefit Plan Surplus Division Adoption Addendum for the remaining divisions and allow the Chair to sign the forms.

Roll call vote: Mr. Hardy – yes; Mr. Erickson – yes; Mr. Beggs – yes; Mr. Morse – yes; and Mr. Walker – yes.

Motion carried.

MOTION #2024-55 – MERS SUPPLEMENTAL PENSION PAYMENTS

Moved by Mr. Beggs and supported by Mr. Morse, to approve a supplemental payment in the amount of \$200,000 toward the General Fund and Sheriff’s Defined Benefit divisions of MERS to be paid from the General Fund and a payment in the amount of \$100,000 toward the Building Department defined benefit division to be paid from the Building Department Fund to be applied to the surplus divisions.

Roll call vote: Mr. Beggs – yes; Mr. Morse – yes; Mr. Hardy – yes; Mr. Erickson – yes; and Mr. Walker – yes.

Motion carried.

MOTION #2024-56 – CERTIFICATION OF COUNTY ALLOCATED TAX LEVY

Moved by Mr. Erickson and supported by Mr. Beggs, to approve the certification of the levy of County allocated tax and authorized collection of County allocated tax on July 1, 2024 at the full amount allocated after application of the "Headlee millage reduction fraction, or 5.6084 mills and authorize the Oceana County Clerk and the Oceana County Board of Commissioners to sign the 2024 L-4029 Tax Rate Request and for the Clerk to send a copy of the form to the townships and city within Oceana County and provide a copy to the County Treasurer.

Roll call vote: Mr. Erickson – yes; Mr. Beggs – yes; Mr. Morse – yes; Mr. Hardy – yes; and Mr. Walker – yes.

Motion carried.

MOTION #2024-57 – ADOPTION OF RESOLUTION 24-10 ESTABLISHING DPA

Moved by Mr. Morse and supported by Mr. Beggs, to adopt Resolution #24-10 establishing West Michigan Shoreline Regional Development Commissioner (WMSRDC) as the Designated Planning Agency and participation in a multi-county MMP with other counties under contract with WMSRDC.

Roll call vote: Mr. Morse – yes; Mr. Beggs – yes; Mr. Erickson – yes; Mr. Hardy – yes; and Mr. Walker – yes.

Motion carried.

MOTION #2024-58 – PAYMENT OF CLAIMS

Moved by Mr. Hardy and supported by Mr. Morse, to adopt Motion #2024-58, approving the payment of accounts payable and release of funds for May 9, 2024.

AMBULANCE	\$263,825.43
GIS	-0-
FOC	2,194.06
PENTWATER-HART TRAIL	-0-
SHELBY TWP COMM PARK	-0-
BROWNFIELD	-0-
AUTOMATION R.O.D.	-0-
INDIGENT DEFENSE	12,595.78
LCOT	-0-
K9 UNIT	24.97
CJT	1,162.70
CDBG	-0-
ARPA	-0-
VETERANS AFFAIRS	6,152.25
TECH & INNOVATION	3,327.32
CAPITAL PROG/EQUIP REP	305.00
PUBLIC IMPROVEMENT	-0-
FORECLOSURE	-0-
BUILDING DEPARTMENT	16,761.48
GENERAL FUND	359,372.80
GRAND TOTAL	\$665,721.79

Roll call vote: Mr. Hardy – yes; Mr. Morse – yes Mr. Erickson – yes; Mr. Beggs – yes and Mr. Walker – yes.

Motion carried.

Commissioner’s Reports

Mr. Morse stated Monday night was the West Central Alliance meeting and wanted to give praise to Tracy and her staff for a nice night.

Mr. Erickson indicated he has been in correspondence with Mr. Tiffany regarding the Crystal Valley Dam. The engineering report is in and has been shared with Hardon Construction for a solution to stabilize the dam. Another meeting will be on Tuesday to do some more hole drilling and a little more probing to get an accurate assessment underneath the spill way. It is completely doable. He received a letter from Gary McKeen regarding dam safety unit and there is a potential for money for stabilization of non-hydro electric dams. Marsh dam is moving forward. A letter went out from the Oceana County Republicans and they were trying to figure out a way to dissolve the party in Oceana County. The chair wants to resign at the next meeting, Erin McGregor has already given her resignation, the treasurer may resign. Not sure of the direction this is going.

Mr. Walker gave each of the commissioners a drawing regarding info on the Transfer Station done by West Michigan Scale and Joel McCormick. If moving forward with this, the information needs to go to American Classic for their input. There was a concurrence to move forward. Brian is working on several things for the county, one is the drawings for the building department. He has a very good quote for the electrical into the building. He is very close to bringing the proposal to the board for the sheriff generator.

Tracy stated she received an email from Kalamazoo County requesting assistance with Building Inspector after the tornado in Portage.

Mr. Walker stated our building inspectors are contracted and paid on a percentage of the permits. If we send anyone we will have to pay the fee and lodging.

Public Comment

Judge Middlebrook from 79th District Court said he has three needs right now. They are as follows:

- Adriana, 79th District Court Administrator/Magistrate is currently paid to work 35 hours and needs to be changed to 40 hours to allow for supervision.
- Mason county has 5 ½ employees covering the court. He feels there is a need for at least a full to part time court reporter.
- He would like to start a sobriety court in both Mason and Oceana County. This would address people with alcohol addiction, charges of OWI 2nd or even 3rd that could be reduced down to 2nd. Sheriff Mast and Prosecutor Bizon are interested as long as it would not allow for dismissal of charges. He will be applying for a grant from West Michigan Community Mental Health (WMCMH). He has had a conversation with Mr. Josh Snyder, Chief Clinical Officer, WMCMH, and will assist with the grant. He believes this would be very beneficial.

Chairperson Walker asked if there was any further business to come before the Board. There being none, the meeting adjourned at 12:06 p.m.

Amy L. Anderson, Oceana County Clerk

Date

Mr. Walker, Chairperson

Board Approval of Accounts Payable & Release of Funds

FOR 05/23/2024

FUND	DEPT #	DEPARTMENT	PR#	PAID	UNPAID	TOTAL
210		AMBULANCE		\$ 1,155.75	\$ -	\$ 1,155.75
		AMBULANCE FUND TOTAL		\$ 1,155.75	\$ -	\$ 1,155.75
211		GIS		\$ -	\$ -	\$ -
		GIS FUND TOTAL		\$ -	\$ -	\$ -
215		FOC		\$ -	\$ -	\$ -
		FOC PAYROLL	10	\$ -	\$ -	\$ -
		FOC FICA	10	\$ -	\$ -	\$ -
		FOC RETIREMENT	10	\$ -	\$ -	\$ -
		FOC FRINGE	10	\$ -	\$ -	\$ -
		WORKERS COMP	10	\$ -	\$ -	\$ -
		FOC FUND TOTAL		\$ -	\$ -	\$ -
238		PENTWATER-HART TRAIL		\$ -	\$ -	\$ -
		PENTWATER-HART TRAIL FUND TOTAL		\$ -	\$ -	\$ -
239		SHELBY TWP COMMUNITY PARK		\$ 40,826.10	\$ -	\$ 40,826.10
		SHELBY TWP COMMUNITY PARK FUND TOTAL		\$ 40,826.10	\$ -	\$ 40,826.10
243		BROWNFIELD REDEVELOPMENT AUTHORITY		\$ -	\$ -	\$ -
		BROWNFIELD REDEVELOP. AUTHORITY TOTAL		\$ -	\$ -	\$ -
256		AUTOMATION R.O.D.		\$ -	\$ -	\$ -
		AUTOMATION R.O.D. FUND TOTAL		\$ -	\$ -	\$ -
260		INDIGENT DEFENSE		\$ -	\$ 41,094.00	\$ 41,094.00
		INDIGENT DEFENSE PAYROLL		\$ 2,415.72	\$ -	\$ 2,415.72
		INDIGENT DEFENSE FICA	10	\$ 184.80	\$ -	\$ 184.80
		INDIGENT DEFENSE RETIREMENT	10	\$ -	\$ -	\$ -
		INDIGENT DEFENSE FRINGE	10	\$ 1,369.07	\$ -	\$ 1,369.07
		WORKERS COMP	10	\$ -	\$ -	\$ -
		INDIGENT DEFENSE FUND TOTAL		\$ 3,969.59	\$ 41,094.00	\$ 45,063.59
264		LCOT		\$ -	\$ -	\$ -
		LCOT PAYROLL	10	\$ -	\$ -	\$ -
		LCOT FICA	10	\$ -	\$ -	\$ -
		LCOT RETIREMENT	10	\$ -	\$ -	\$ -
		WORKERS COMP	10	\$ -	\$ -	\$ -
		RETIREMENT	10	\$ -	\$ -	\$ -
		LOCT FUND TOTAL		\$ -	\$ -	\$ -
267		K9 UNIT		\$ -	\$ 100.00	\$ 100.00
		K9 UNIT FUND		\$ -	\$ 100.00	\$ 100.00
272		CRIMINAL JUSTICE TRAINING		\$ -	\$ -	\$ -
		CRIMINAL JUSTICE TRAINING FUND TOTAL		\$ -	\$ -	\$ -
277		CDBG		\$ -	\$ -	\$ -
		CDBG FUND TOTAL		\$ -	\$ -	\$ -
286		ARPA		\$ -	\$ -	\$ -
		APRA FUND TOTAL		\$ -	\$ -	\$ -
293		DEPT OF VET AFFAIRS		\$ 11,972.47	\$ 672.00	\$ 12,644.47
		DEPT OF VET AFFAIRS PAYROLL	10	\$ 3,909.05	\$ -	\$ 3,909.05
		DEPT OF VET AFFAIRS FICA	10	\$ 295.36	\$ -	\$ 295.36
		DEPT OF VET AFFAIRS RETIREMENT	10	\$ -	\$ -	\$ -

	DEPT OF VET AFFAIRS FRINGE	10	\$	1,285.74	\$	-	\$	1,285.74
	WORKERS COMP	10	\$	-	\$	-	\$	-
	DEPT OF VET AFFAIRS FUND TOTAL		\$	17,462.62	\$	672.00	\$	18,134.62
298	TECHNOLOGY & INNOVATION		\$	1,580.77	\$	2,588.00	\$	4,168.77
	TECHNOLOGY & INNOVATION FUND TOTAL		\$	1,580.77	\$	2,588.00	\$	4,168.77
405	CAPITAL PROJ-EQUIP REPLACE		\$	129.13	\$	645.00	\$	774.13
	CAPITAL PROJ-EQUIP REPLACE FUND TOTAL		\$	129.13	\$	645.00	\$	774.13
445	PUBLIC IMPROVEMENT		\$	-	\$	-	\$	-
	PUBLIC IMPROVEMENT FUND TOTAL		\$	-	\$	-	\$	-
549	BUILDING DEPARTMENT		\$	12,535.24	\$	-	\$	12,535.24
	BUILDING DEPARTMENT PAYROLL	10	\$	2,598.53	\$	-	\$	2,598.53
	BUILDING DEPARTMENT FICA	10	\$	194.18	\$	-	\$	194.18
	BUILDING DEPARTMENT RETIREMENT	10	\$	-	\$	-	\$	-
	BUILDING DEPARTMENT FRINGE	10	\$	1,857.09	\$	-	\$	1,857.09
	WORKERS COMP	10	\$	-	\$	-	\$	-
	BUILDING DEPARTMENT FUND TOTAL		\$	17,185.04	\$	-	\$	17,185.04
101	GENERAL FUND	PR#		PAID		UNPAID		TOTAL
101	BOARD OF COMMISSIONERS		\$	7,275.80	\$	62.00	\$	7,337.80
172	ADMINISTRATOR/FISCAL OFFICER		\$	884.16	\$	-	\$	884.16
208	INSURANCE		\$	9.04	\$	-	\$	9.04
209	UNEMPLOYMENT COMPENSATION		\$	-	\$	-	\$	-
215	COUNTY CLERK		\$	499.25	\$	99.54	\$	598.79
216	JURY BOARD		\$	-	\$	-	\$	-
217	APPORTIONMENT		\$	-	\$	-	\$	-
223	COUNTY AUDITING		\$	-	\$	-	\$	-
228	DATA PROCESSING		\$	-	\$	281.48	\$	281.48
229	TECHNOLOGY		\$	1,146.20	\$	125.00	\$	1,271.20
244	TAX ALLOCATION		\$	-	\$	-	\$	-
245	REMONUMENTATION		\$	-	\$	-	\$	-
248	GENERAL SERVICES		\$	695.43	\$	571.46	\$	1,266.89
249	PLAT BOARD		\$	-	\$	-	\$	-
250	MICROFILM		\$	-	\$	-	\$	-
253	COUNTY TREASURER		\$	70.31	\$	248.80	\$	319.11
257	EQUALIZATION		\$	-	\$	24,347.88	\$	24,347.88
262	ELECTIONS		\$	-	\$	975.45	\$	975.45
265	COURTHOUSE/GROUNDS		\$	1,761.26	\$	544.15	\$	2,305.41
283	CIRCUIT COURT		\$	1,264.32	\$	13,701.81	\$	14,966.13
286	DISTRICT COURT		\$	579.00	\$	375.00	\$	954.00
289	FRIEND OF THE COURT		\$	950.80	\$	1,419.26	\$	2,370.06
294	PROBATE COURT		\$	696.68	\$	630.00	\$	1,326.68
295	PROBATION/PAROLE		\$	-	\$	161.97	\$	161.97
296	PROSECUTING ATTORNEY		\$	247.23	\$	182.60	\$	429.83
298	FAMILY COUNSELING		\$	-	\$	-	\$	-
301	SHERIFF		\$	21,674.80	\$	11,968.27	\$	33,643.07
331	MARINE LAW		\$	-	\$	363.97	\$	363.97
332	SNOWMOBILE ENFORCEMENT		\$	-	\$	-	\$	-
333	ROAD PATROL		\$	-	\$	-	\$	-
351	JAIL		\$	19,399.76	\$	2,233.94	\$	21,633.70

426	EMERGENCY MANAGEMENT		\$	-	\$	-	\$	-
430	ANIMAL CONTROL		\$	-	\$	587.04	\$	587.04
442	DRAIN COMMISSIONER		\$	-	\$	-	\$	-
445	DRAINS - PUBLIC BENEFIT		\$	-	\$	-	\$	-
528	TRANSFER STATION/RECYCLING CENTER		\$	-	\$	43,243.10	\$	43,243.10
568	SOIL CONSERVATION		\$	-	\$	-	\$	-
595	AIRPORT		\$	147.99	\$	1,065.99	\$	1,213.98
601	HEALTH DEPARTMENT		\$	902.98	\$	-	\$	902.98
605	CONTAGIOUS DISEASES		\$	-	\$	-	\$	-
648	MEDICAL EXAMINER		\$	-	\$	176.44	\$	176.44
649	COMMUNITY MENTAL HEALTH		\$	9,349.98	\$	-	\$	9,349.98
701	PLANNING COMMISSION		\$	-	\$	-	\$	-
710	MSU EXTENSION		\$	-	\$	-	\$	-
711	REGISTER OF DEEDS		\$	32.80	\$	51.16	\$	83.96
728	EDC		\$	-	\$	12,705.00	\$	12,705.00
	GENERAL PAYROLL	10	\$	231,931.75	\$	-	\$	231,931.75
	GENERAL FICA	10	\$	17,337.07	\$	-	\$	17,337.07
	GENERAL RETIREMENT	10	\$	-	\$	-	\$	-
	GENERAL FRINGE	10	\$	91,515.81	\$	-	\$	91,515.81
	WORKERS COMP	10	\$	-	\$	-	\$	-
GENERAL FUND TOTAL			\$	408,372.42	\$	116,121.31	\$	524,493.73
GRAND TOTAL			\$	490,681.42	\$	161,220.31	\$	651,901.73
GENERAL FUND WITHOUT PAYROLL			\$	67,587.79				