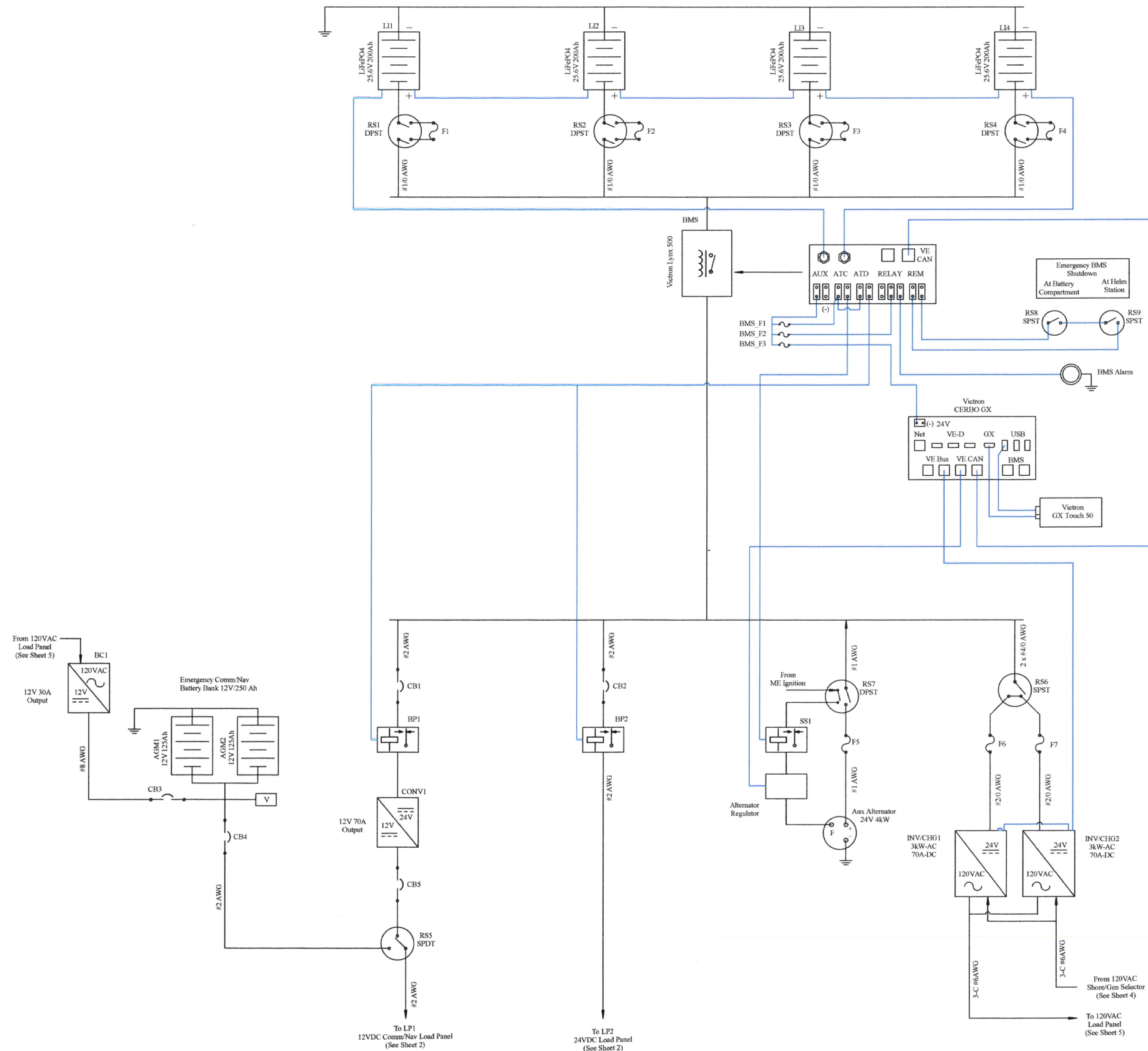




NOTE:

* Blue Lines indicate Battery Management System Communication and Control circuits: RJ12, Victron proprietary communication cable or conductors carrying less than one amp.

NOTES:

- * All Conductors to be UL Boat Cable, Tinned Copper, Rated @105 degrees C. Conductor gauge as indicated
- * All wiring installation to meet the requirements of 46 CFR Subchapter T Part 183; and ABYC E-11: AC and DC Electrical Systems
- * See diagram Bill of Materials for component specifications

YACHT ENGINEERING SYSTEMS

49 Beach Hill Road, Blue Hill, ME 04814

Schooner ONTARIO

Electrical One Line Schematic

24VDC Distribution w/BMS

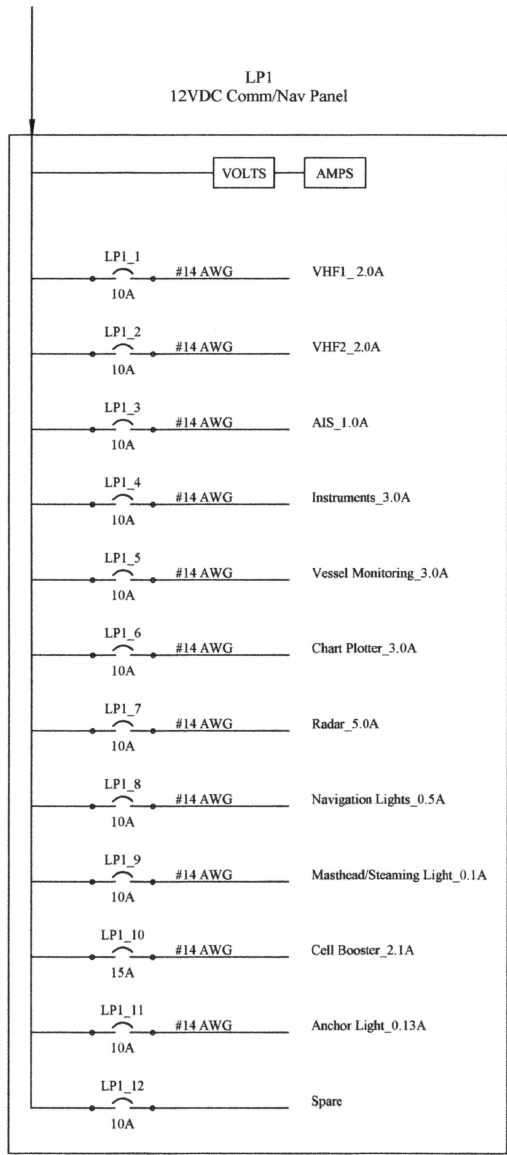
DPE

DWG: ONT_01

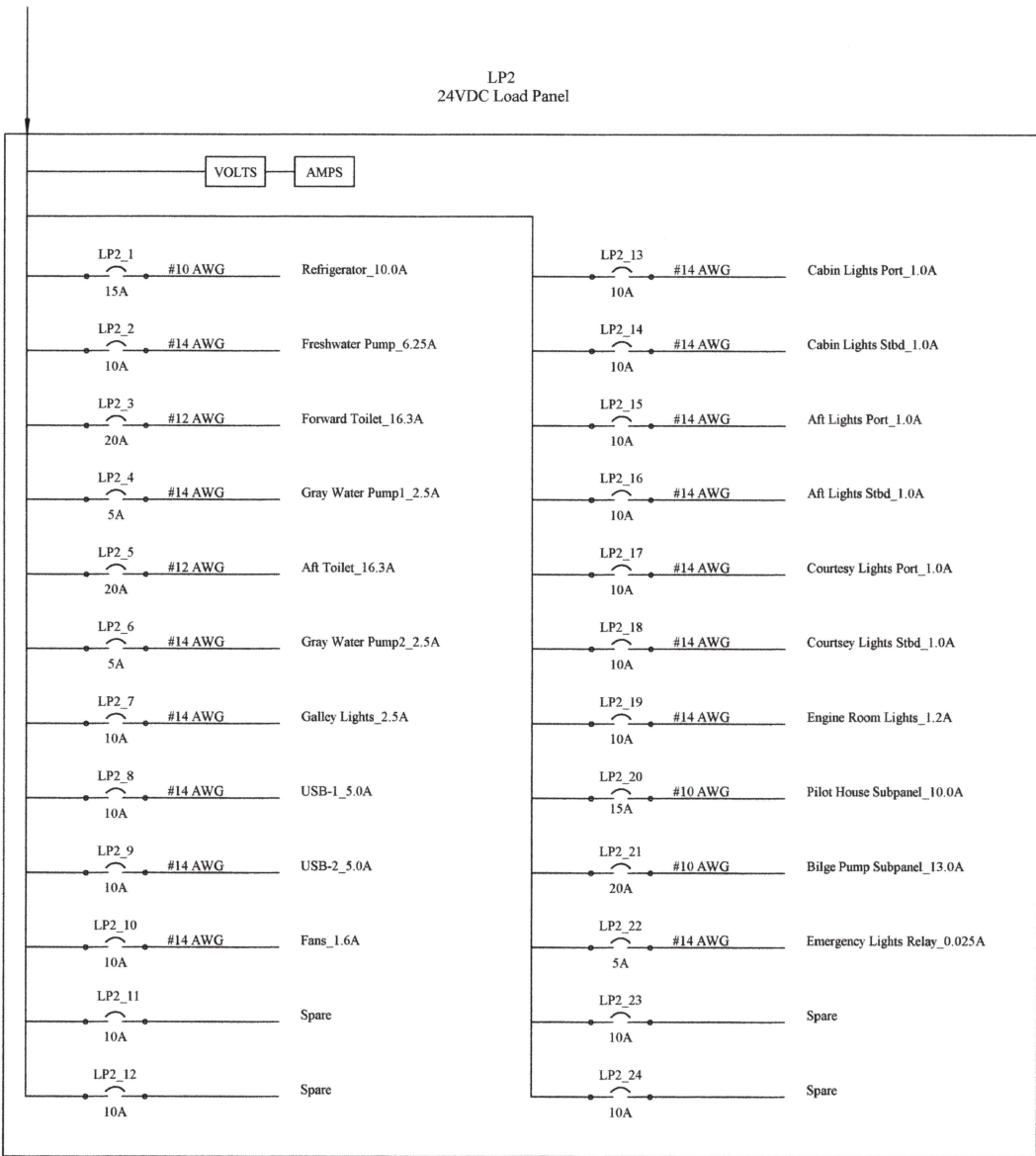
Sheet 1 of 5

03/21/2026

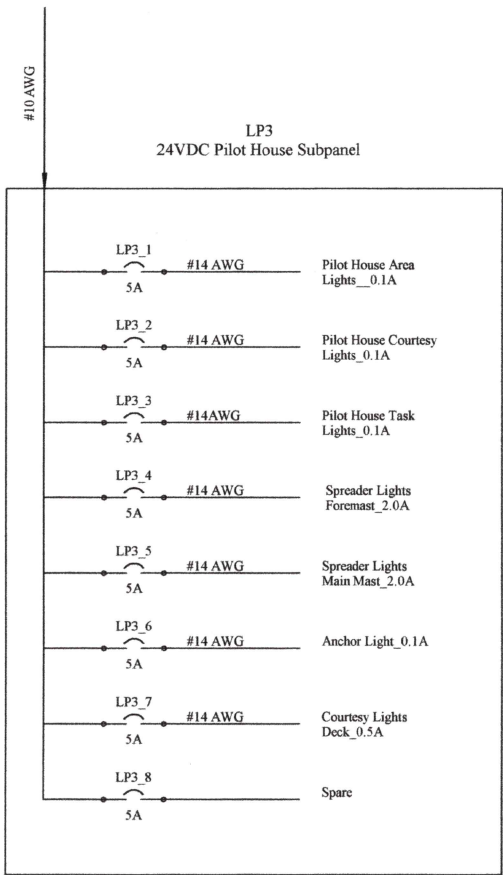
From Main DC Dist.
CB 1 (See Sheet 1)



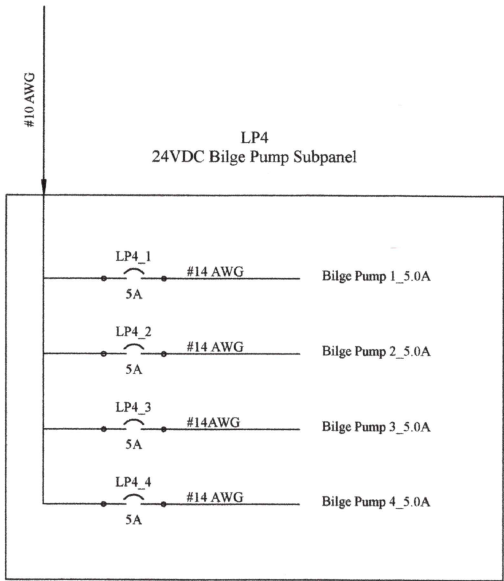
From Main DC Dist.
CB 2 (See Sheet 1)



From 24V Load Panel
LP2_20



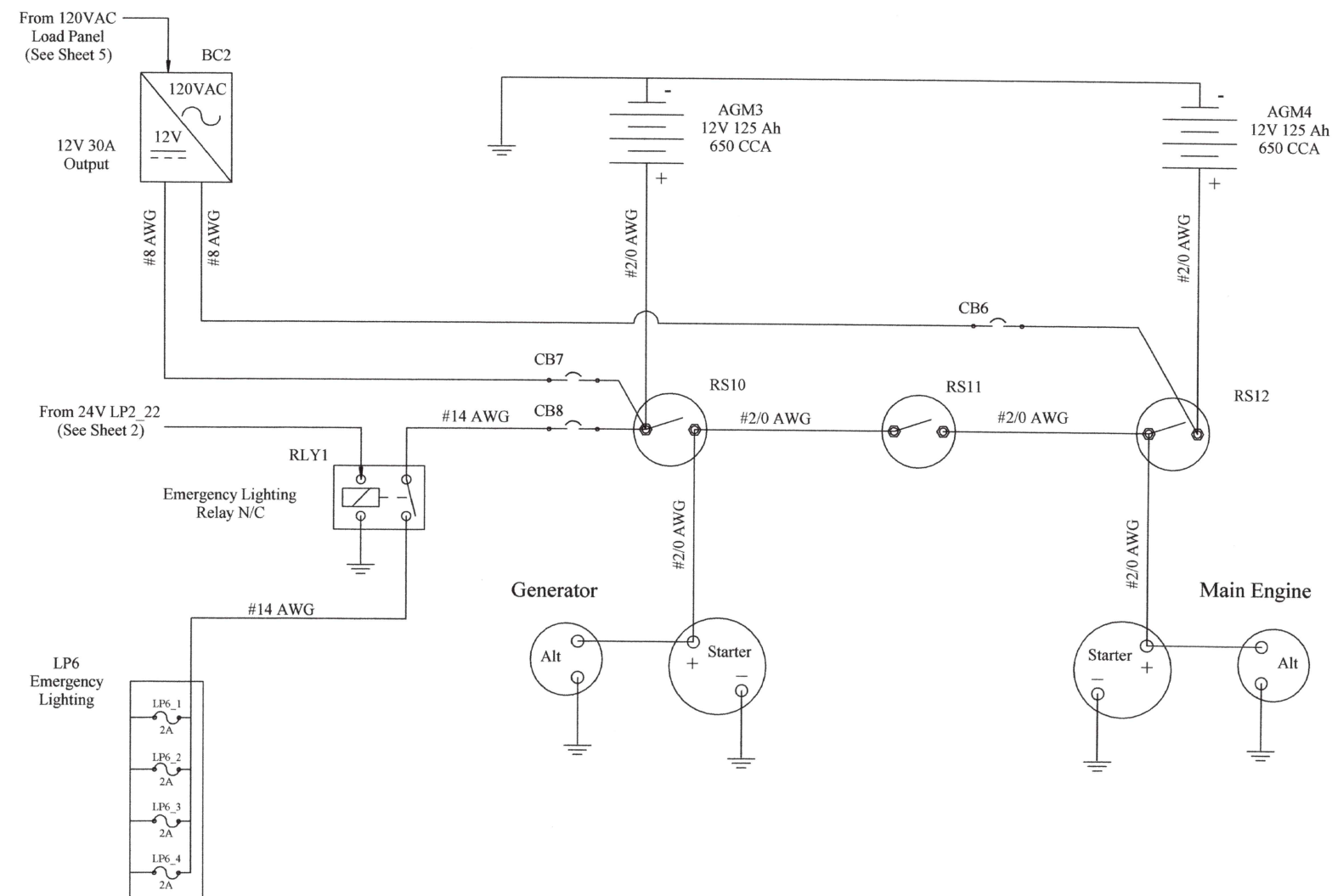
From 24V Load Panel
LP2_21



NOTES:

- * All Conductors to be UL Boat Cable, Tinned Copper, Rated @105 degrees C. Conductor gauge as indicated
- * All wiring installation to meet the requirements of 46 CFR Subchapter T Part 183; and ABYC E-11: AC and DC Electrical Systems
- * See diagram Bill of Materials for component specifications

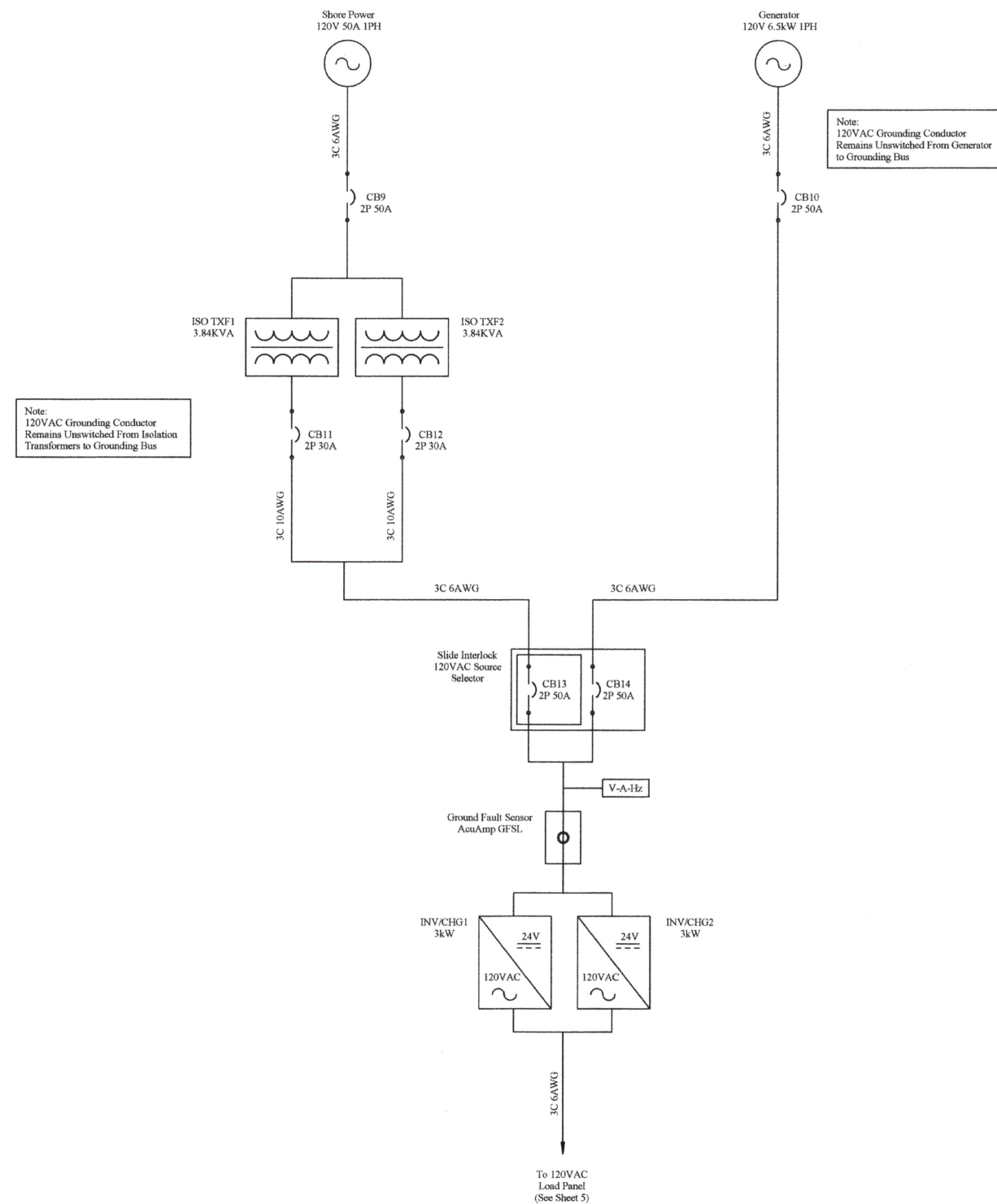
YACHT ENGINEERING SYSTEMS 49 Beech Hill Road, Blue Hill, ME 04614			
Schooner ONTARIO			
Electrical One Line Schematic			
12VDC and 24VDC Load Panels			
DPE	DWG: ONT_01	Sheet 2 of 5	03/21/2026



NOTES:

- * All Conductors to be UL Boat Cable, Tinned Copper, Rated @105 degrees C. Conductor gauge as indicated
- * All wiring installation to meet the requirements of 46 CFR Subchapter T Part 183; and ABYC E-11: AC and DC Electrical Systems
- * See diagram Bill of Materials for component specifications

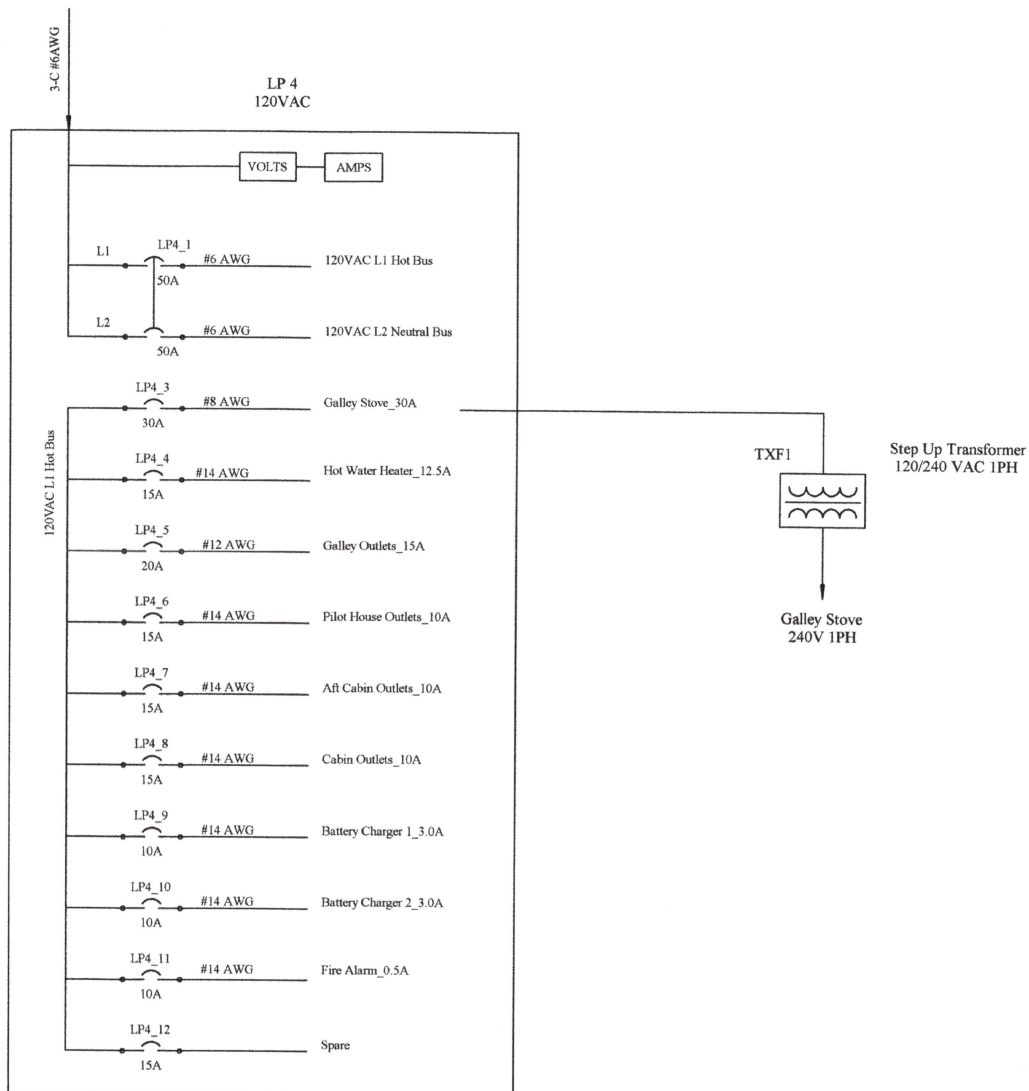
YACHT ENGINEERING SYSTEMS 49 Beech Hill Road, Blue Hill, ME 04614			
Schooner ONTARIO			
Electrical One Line Schematic			
Main Engine and Generator Battery System			
DPE	DWG: ONT_01	Sheet 3 of 5	03/21/2026



- NOTES:
- * All Conductors to be UL Boat Cable, Tinned Copper, Rated @105 degrees C. Conductor gauge as indicated
 - * All wiring installation to meet the requirements of 46 CFR Subchapter T Part 183; and ABYC E-11: AC and DC Electrical Systems
 - * See diagram Bill of Materials for component specifications

YACHT ENGINEERING SYSTEMS 49 Beech Hill Road, Blue Hill, ME 04614			
Schooner ONTARIO			
Electrical One Line Schematic			
120VAC Shore/Generator			
DPE	DWG: ONT_01	Sheet 4 of 5	03/21/2026

From 120VAC
Shore/Generator
(See Sheet 4)



NOTES:

- * All Conductors to be UL Boat Cable, Tinned Copper, Rated @105 degrees C. Conductor gauge as indicated
- * All wiring installation to meet the requirements of 46 CFR Subchapter T Part 183; and ABYC E-11: AC and DC Electrical Systems
- * See diagram Bill of Materials for component specifications

YACHT ENGINEERING SYSTEMS

49 Birch Hill Road, Ellsboro, ME 04614

Schooner ONTARIO

Electrical One Line Schematic

120VAC Load Panel

DPE	DWG: ONT_01	Sheet 5 of 5	03/21/2026
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