

Ship Providing

MBARI Providing

MBARI private network. We will require copper runs between the bridge, dry lab, green van and ROV control van.

Ethernet Cable

480 VAC, 30A

Appleton Connector Mating Pair

MBARI has the Appleton connector, from the previous cruise.

480 VAC, 30A

MBARI cable ~50 ft

Meltric 3-phase Connector

Pass through

MiniROV Control Van

Transformer
30 kVA
Input: 480 VAC 3-phase
Outputs: 208 VAC 3-phase
110 VAC 1-phase

ROV Power
10 kW
Input: 208 VAC 3-phase
Output: 400 VDC

110 VAC Outlets

2 x 208 VAC, 20A
Single-phase

Ethernet Cable

2 x 208-220 VAC, 20A
Single-phase

Pass through

Green Van

Bare Cable

AUV Charging Supply
Input: 208 VAC, 20 A
Single-phase
Output: ??

220 VAC, 20 A
Single-phase

ROV Winch

The 220 VAC for the ROV winch is provided by the ROV van. No connection is required from the ship.

MBARI cable ~ 50 ft

Title		
MiniROV: Laurier Deck Electrical Layout		
Size A	Document Number <Doc>	Rev 1.0.0
Date:	Tuesday, March 08, 2016	Sheet 1 of 1