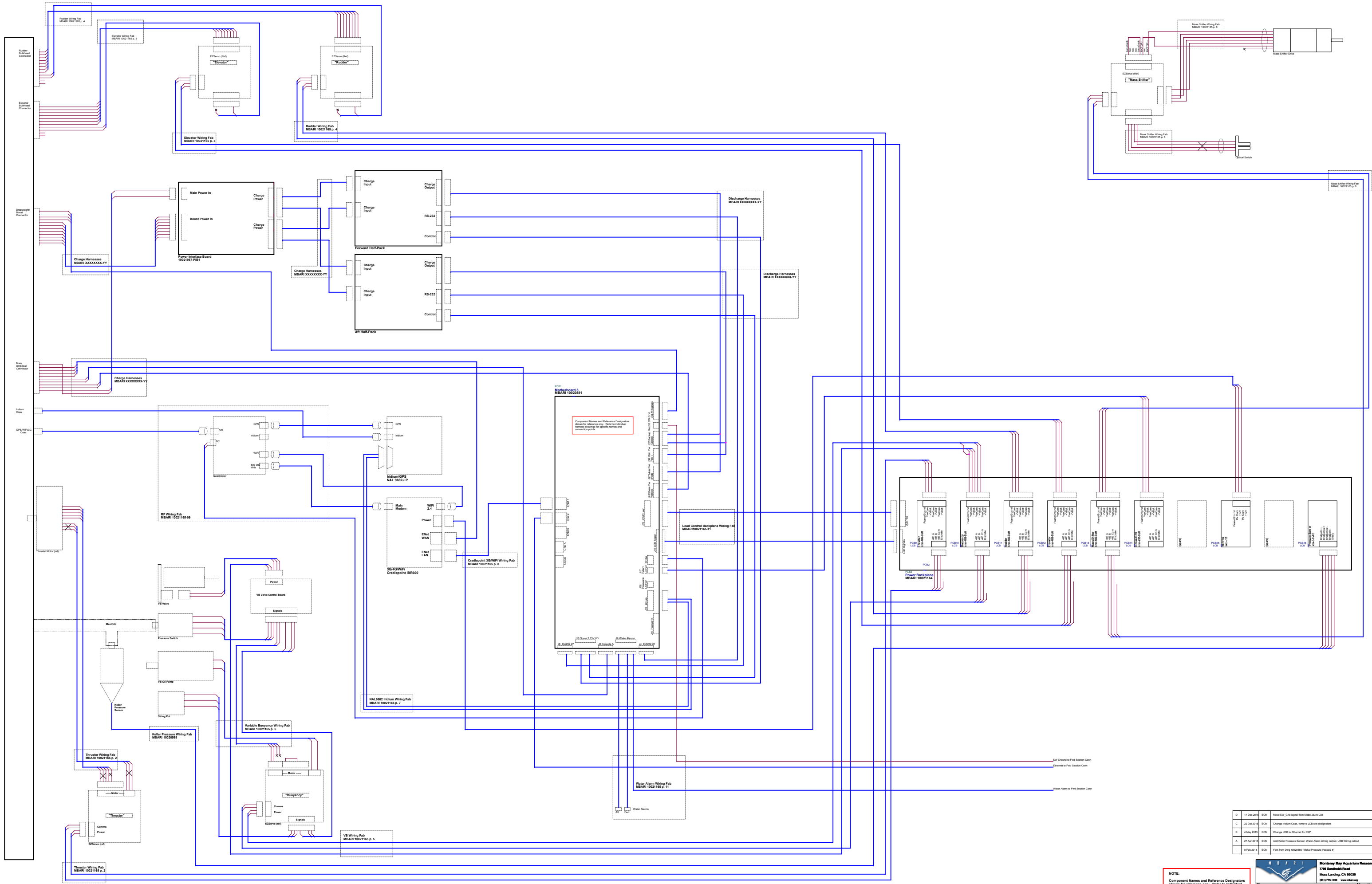
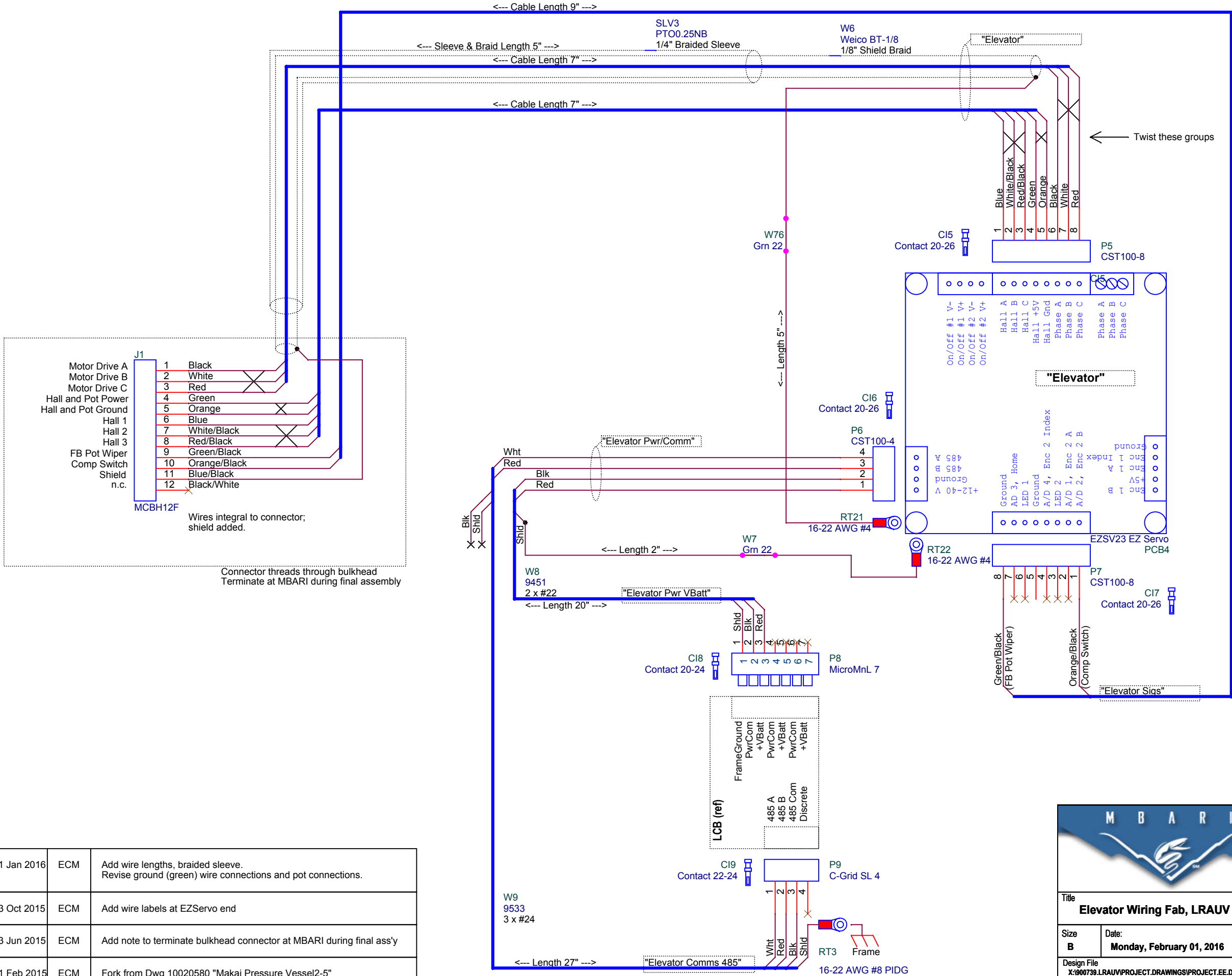




NOTE:

Component Names and Reference Designations
shown for reference only. Refer to individual
harness drawings for specific names and
connection points.

D	17 Dec 2015	ECM	Above SWL Cord signal from Motor 233 to 238
C	22 Oct 2015	ECM	Change Hydrom Case, remove LCB and designation
B	4 May 2015	ECM	Change USB to Ethernet for ESP
A	27 Apr 2015	ECM	Add Ruler Pressure Sensor, Water Alarm Wiring, USB Wiring added
-	9 Feb 2015	ECM	Push from Dwg 10020958 "Main Pressure Vessel" to

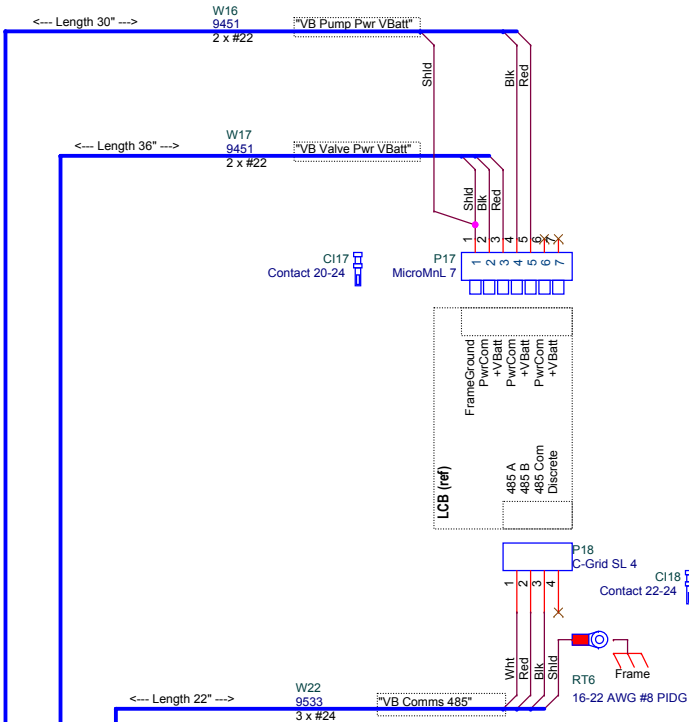
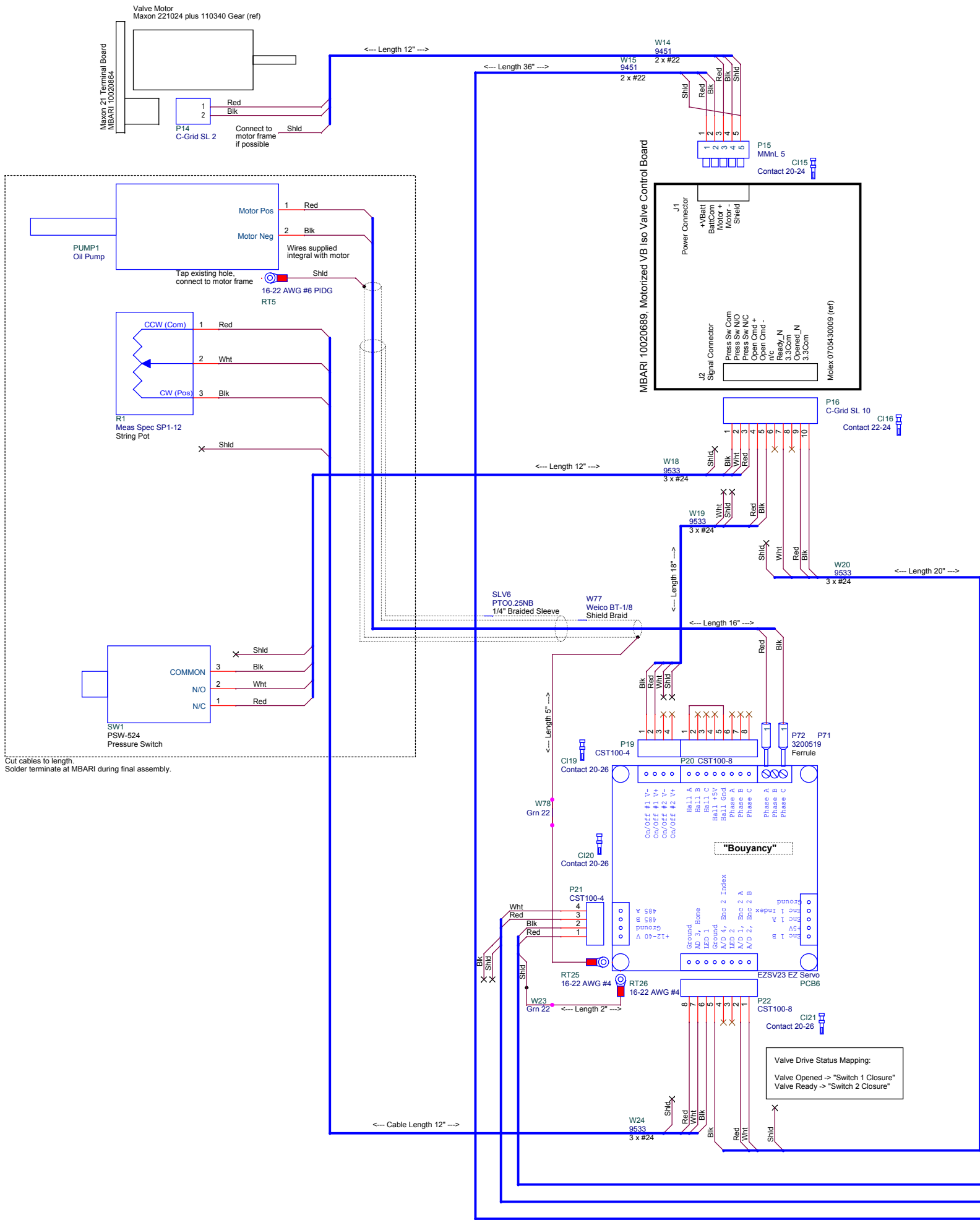


C	21 Jan 2016	ECM	Add wire lengths, braided sleeve. Revise ground (green) wire connections and pot connections.
B	23 Oct 2015	ECM	Add wire labels at EZServo end
A	23 Jun 2015	ECM	Add note to terminate bulkhead connector at MBARI during final ass'y
--	11 Feb 2015	ECM	Fork from Dwg 10020580 "Makai Pressure Vessel2-5"



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Title Elevator Wiring Fab, LRAUV Int Press Vess Wiring, MIVEGAS		Document Number 10021165	Rev C
Size B	Date: Monday, February 01, 2016	Engineer Mellinger	Sheet 3 of 15
Design File X:\900739\LRAUV\PROJECT.DRAWINGS\PROJECT.EE.DWGS\WIRING DIAGRAMS MIVEGAS\10021165 LRAUV INTERNAL PRESSURE VESSEL WIRING MIVEGAS.DSN			
Schematic Name 10021165 MIVEGAS Int Press Vess		Page Name 03 Elevator Wiring Fab	Layout File <Layout File>

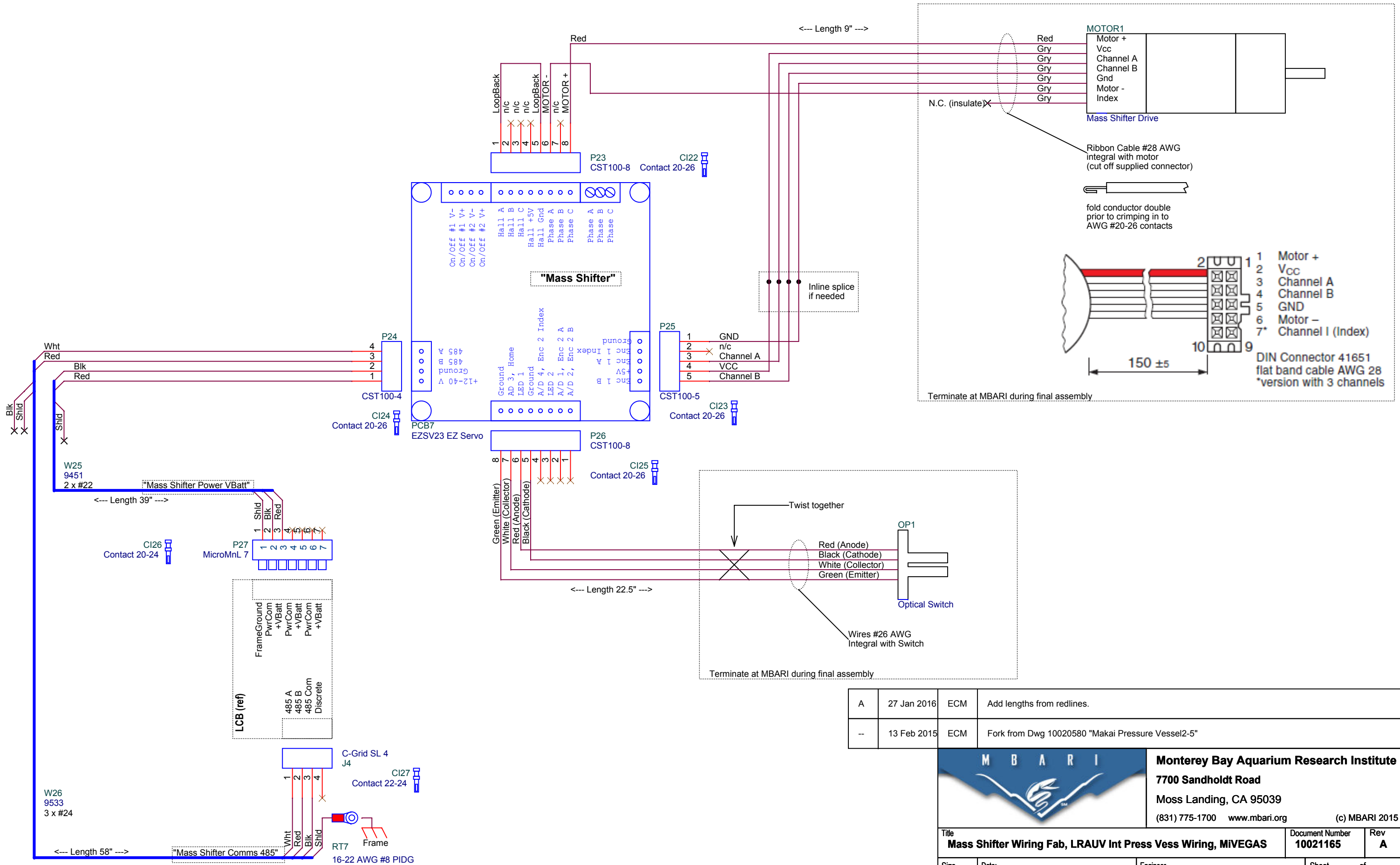


B	27 Jan 2016	ECM	Show VB Pump wires as integral and add shield; add lengths from redlines. Add ferrules to pump motor wires
A	23 Jun 2015	ECM	add note to cut cables and terminate at MBARI during final ass'y
-	12 Feb 2015	ECM	Fork from Dwg 10020580 "Makai Pressure Vessel2-5"



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Title Variable Buoyancy Wiring Fab, LRAUV Int Press Vess Wiring, MIVEGAS		Document Number 10021165	Rev B
Size C	Date: Monday, February 01, 2016	Engineer Mellinger	Sheet 5 of 15
Design File X:\00738\1\RAUV\PROJECT.DRAWINGS\PROJECT.EE.DWG\SWIRING DIAGRAMS MIVEGAS\10021165 LRAUV INTERNAL PRESSURE VESSEL WIRING MIVEGAS.DSN			
Schematic Name 10021165 MIVEGAS Int Press Vess		Page Name 05 Variable Buoyancy Wiring Fab	Layout File <Layout File>

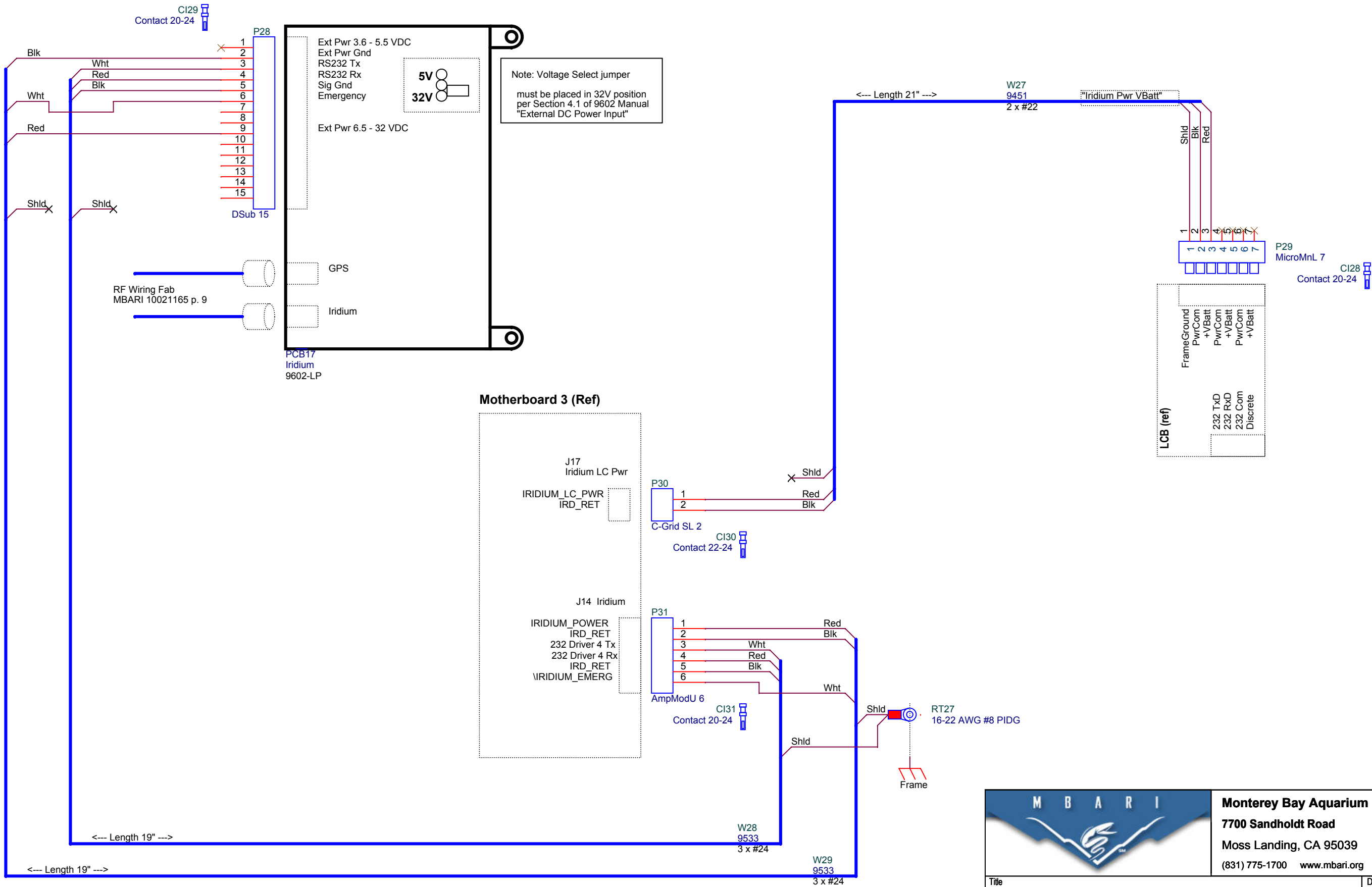


A	27 Jan 2016	ECM	Add lengths from redlines.
--	13 Feb 2015	ECM	Fork from Dwg 10020580 "Makai Pressure Vessel2-5"



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Title Mass Shifter Wiring Fab, LRAUV Int Press Vess Wiring, MIVEGAS			Document Number 10021165	Rev A
Size B	Date: Thursday, February 11, 2016	Engineer Mellinger	Sheet 6	of 15
Design File X:\900739\LRAUV\PROJECT.DRAWINGS\PROJECT.EE.DWGS\WIRING DIAGRAMS MIVEGAS\10021165 LRAUV INTERNAL PRESSURE VESSEL WIRING MIVEGAS.DSN				
Schematic Name 10021165 MIVEGAS Int Press Vess		Page Name 06 Mass Shifter Wiring Fab		Layout File <Layout File>

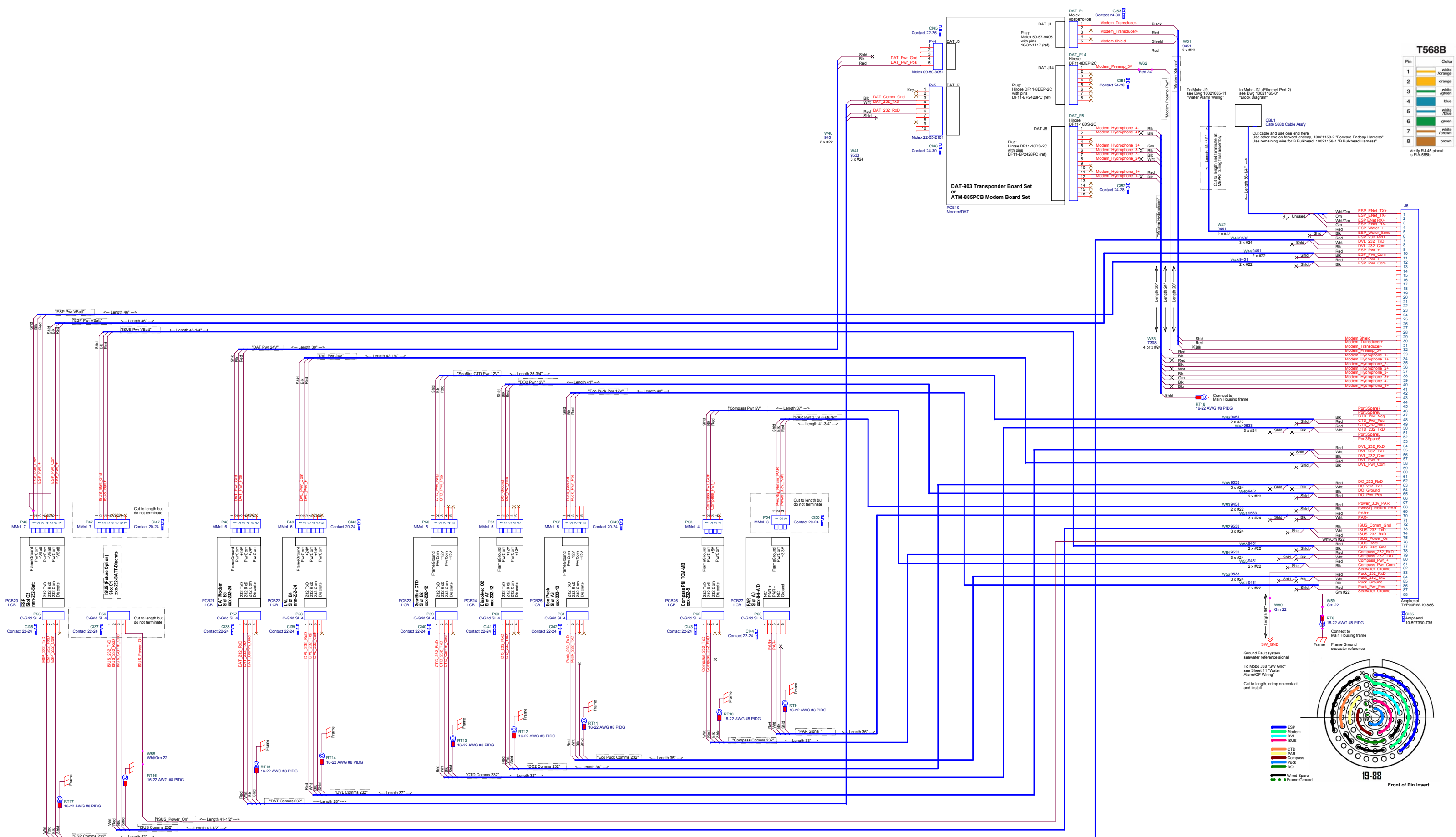




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Title NAL9602 Iridium Wiring Fab, LRAUV Int Press Vess Wiring, MiVEGAS		Document Number 10021165	Rev A
Size B	Date: Thursday, February 11, 2016	Engineer Mellinger	Sheet of 7 15
Design File X:\900739\LRAUV\PROJECT.DRAWINGS\PROJECT.EE.DWGS\WIRING DIAGRAMS MIVEGAS\10021165 LRAUV INTERNAL PRESSURE VESSEL WIRING MIVEGAS.DSN			
Schematic Name 10021165 MIVEGAS Int Press Vess		Page Name 07 NAL9602 Iridium Wiring Fab	Layout File <Layout File>

A	27 Jan 2016	ECM	Add lengths from redlines. Add ground lugs to Iridium cable shields. Add Voltage Select Jumper note.
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NOTE: Board position on drawing does not correspond to board position in vehicle. See vehicle/mission specific config doc e.g. "2015 LRAUV Configurations for MIVEGAS-1.docx" for board and slot assignments.

K	27 Jan 2015	ECM	Swap Tx/Rx on DAT, DVL, CTD, DO2, and Puck LCBs. Add lengths from redline markups.
J	3 Nov 2015	ECM	Change Compass LCB and wiring to 232/5V
H	12 Oct 2015	ECM	correct P47 and C136-C144 properties for BOM
G	1 Jul 2015	ECM	correct W63 Manufacturer and Distributor callout (was Belden, is Welco)
F	4 May 2015	ECM	Change USB cable to Ethernet, add LCB Micro Mate-N-Lok contacts and correct DAT Molex contacts

E	8 Jun 2015	ECM	Replace Berthos DAT Modem cables with in-house fabricated cables and parts callouts
D	29 Apr 2015	ECM	Move this page out of 10021157 and insert here inside 10021165, add BOM info
C	30 Jan 2015	ECM	Re-arrange LCBs; show ISUS as future expansion.
B	30 Jan 2015	ECM	Delete Neil Brown CTD and add Sea-Bird Glider CTD. Change wiring and LCB config.
A	30 Jan 2015	ECM	Fork from Dwg 10021111 Make Forward Section Connector for ESP



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File
Fwd Section Connector, LRAUV Internal Pressure Vessel Wiring, MIVEGAS

Size
Custom

Date
Thursday, February 11, 2016

Engineer
Mollinger

Docuement Number
10021165

Sheet of
13

Rev
K

10021165 MIVEGAS Int Press Vessel

Page Name
13 Fwd Section Conn Wiring Fab

Layout File
<Layout File>