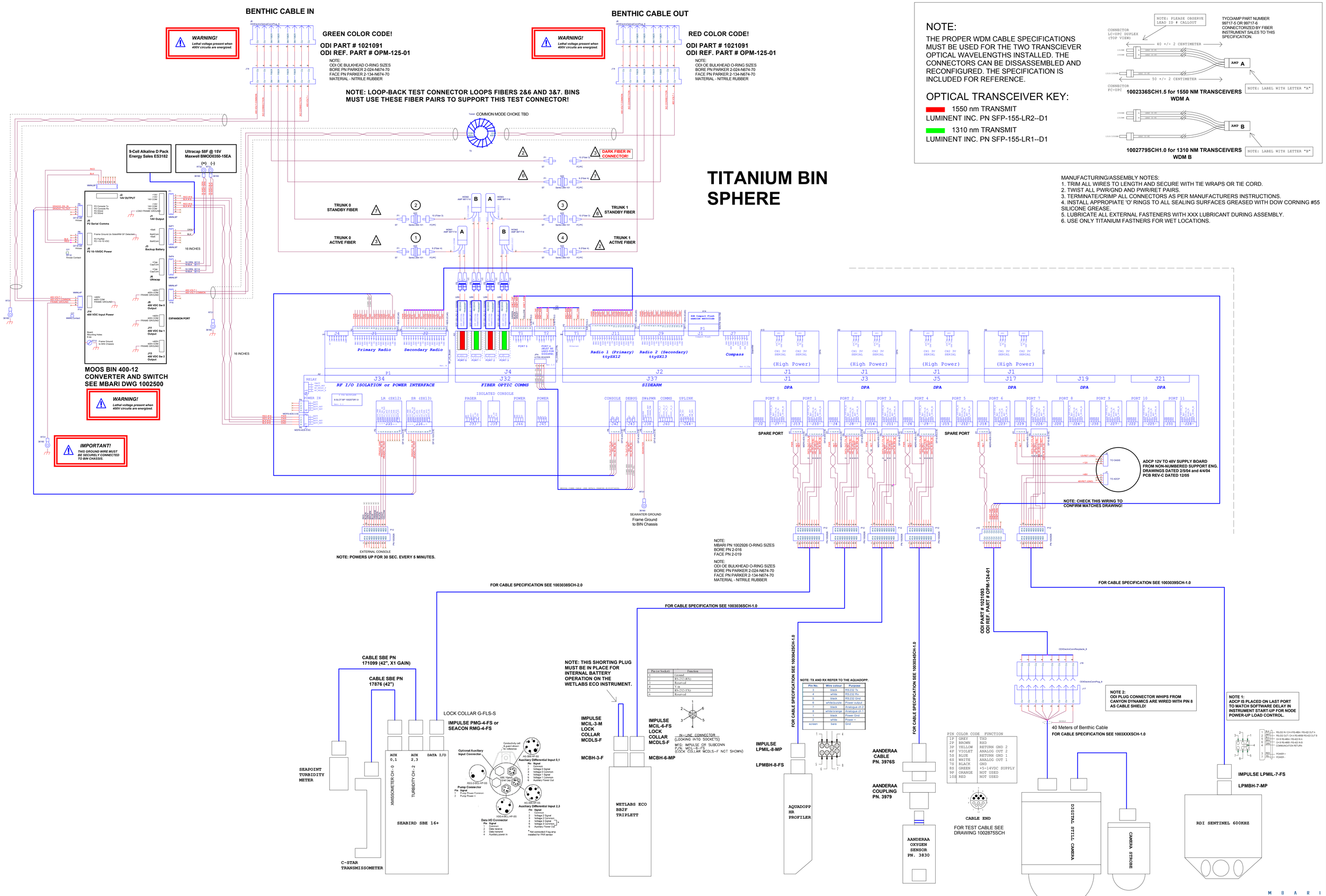

TITANIUM BIN SPHERE

NOTE:

THE PROPER WDM CABLE SPECIFICATIONS MUST BE USED FOR THE TWO TRANSCIEVER OPTICAL WAVELENGTHS INSTALLED. THE CONNECTORS CAN BE DISSASSEMBLED AND RECONFIGURED. THE SPECIFICATION IS INCLUDED FOR REFERENCE.

OPTICAL TRANSCEIVER KEY:

1550 nm TRANSMIT
LUMINENT INC. PN SFP-155-LR2--D1

1310 nm TRANSMIT
LUMINENT INC. PN SFP-155-LR1--D1

MANUFACTURING/ASSEMBLY NOTES:
1. TRIM ALL WIRES TO LENGTH AND SECURE WITH TIE WRAPS OR TIE CORD.
2. TWIST ALL PWR/GND AND PWR/RET PAIRS.
3. TERMINATE/CRIMP ALL CONNECTORS AS PER MANUFACTURERS INSTRUCTIONS.
4. INSTALL APPROPIATE 'O' RINGS TO ALL SEALING SURFACES GREASED WITH DOW CORNING #55 SILICONE GREASE.
5. LUBRICATE ALL EXTERNAL FASTENERS WITH XXX LUBRICANT DURING ASSEMBLY.
6. USE ONLY TITANIUM FASTNERS FOR WET LOCATIONS.

NOTE: TX AND RX REFER TO THE AQUADOPP.

Pin No.	Wire colour	Purpose
3	black	RS-232 Tx
4	white	RS-232 Rx
5	black	RS-232 Gnd
6	white/purple	Power output
7	black	Analogue ch 2
8	white/orange	Analogue ch 1
1	black	Power Gnd
2	white	Power +
screen	bare	Gnd

Pin (or Socket)	Function
1	Ground
2	RS-232 (RX)
3	Reserved
4	V- in
5	RS-232 (TX)
6	Reserved

IN-LINE CONNECTOR (LOOKING INTO SOCKETS)
MFG: IMPULSE OR SUBCONN
P/N: MCIL-6-FS
(LOCK COLLAR MCDLS-F NOT SHOWN)

PIN	COLOR CODE	FUNCTION
1P	GREY	TXD
2P	BROWN	RXD
3P	YELLOW	RETURN GND 2
4P	VIOLET	ANALOG OUT 2
5S	BLUE	RETURN GND 1
6S	WHITE	ANALOG OUT 1
7S	BLACK	GND
8S	GREEN	+5-14VDC SUPPLY
9P	ORANGE	NOT USED
10S	RED	NOT USED

MTM4 26APR07 DEPLOYMENT DRAFT

MTM4/MSE SHELF BIN ELECTRICAL ASSEMBLY

SYMBOL KEY

3 OPTICAL CABLE NUMBER

3 OPTICAL JUNCTION BRACKET NUMBER

REVISION HISTORY
1.0 01SEP05 - INITIAL DRAWING.
1.5 24MAR06 - MODIFIED OPTICS. CORRECTED XCEIVERS. ADDED PORT DESIGNATIONS TO MEDUSA CARD.
2.0 19MAY06 - REVISED ODI CONN. ADDED POWER BOARD.
2.5 31MAY06 - CHANGED COPPER ODI WIRING. OPTICAL FIBERS USED TO BE COMPATIBLE WITH LOOP-BACK CONNECTOR.
3.0 23JUN06 - CHANGED INPUT OPTICAL FIBERS TO MATCH ODI AS-BUILT. CORRECTED RADIO CHANNELS. CORRECTED CONSOLE WIRING. 6JUL06 AS-BUILT!
3.1 02NOV06 - REVISED ODI COPPER TO MATCH AXIS. REVISED POWER WIRING AS PER ED'S AS-BUILT.
3.2 11APR07 - REVISED COPPER WIRING TO CORRECT FOR ODI PIN #8 AS SHIELD IN PLUG WHIPS.
3.3 20APR07 - ADDED CONSOLE WIRE TO RFIO SR PORT. CORRECTED RFIO PORT NUMBERING.

WARNING!
Lethal voltage present when 400V circuits are energized.

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DRAFTS: Mark Chaffey & Lance McBride
Friday, April 20, 2007

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MTM4/MSE SHELF BIN ELECTRICAL WIRING

Size	CASE Code	DWG NO	Rev
Custom	<Cage Code>	1002876SCH-3.3	3.3

Scale: | Sheet 1 of 1