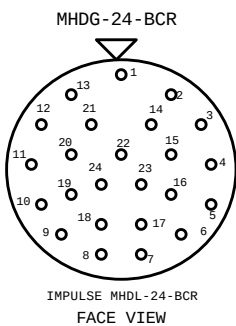
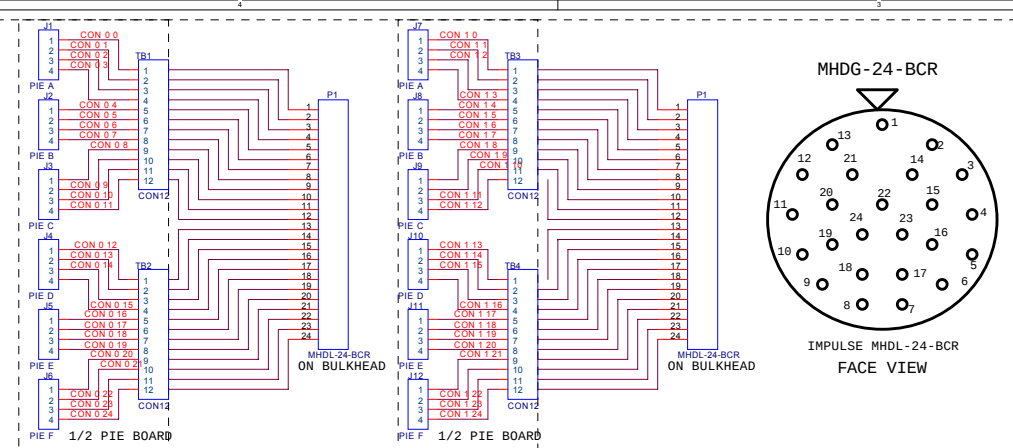
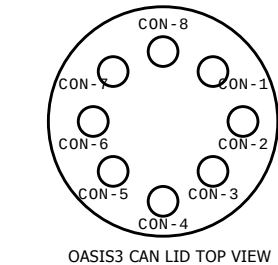
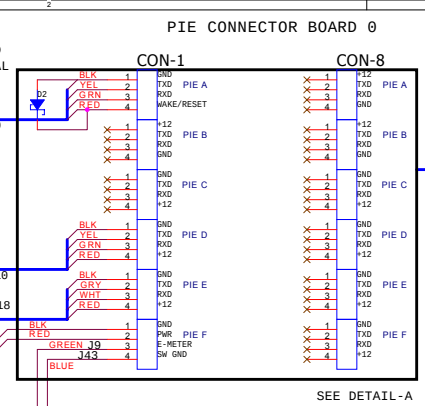


DETAIL-A
PIE CONNECTOR
BOARD TO BULKHEAD
CONNECTOR WIRING,
TYPICAL FOR ALL

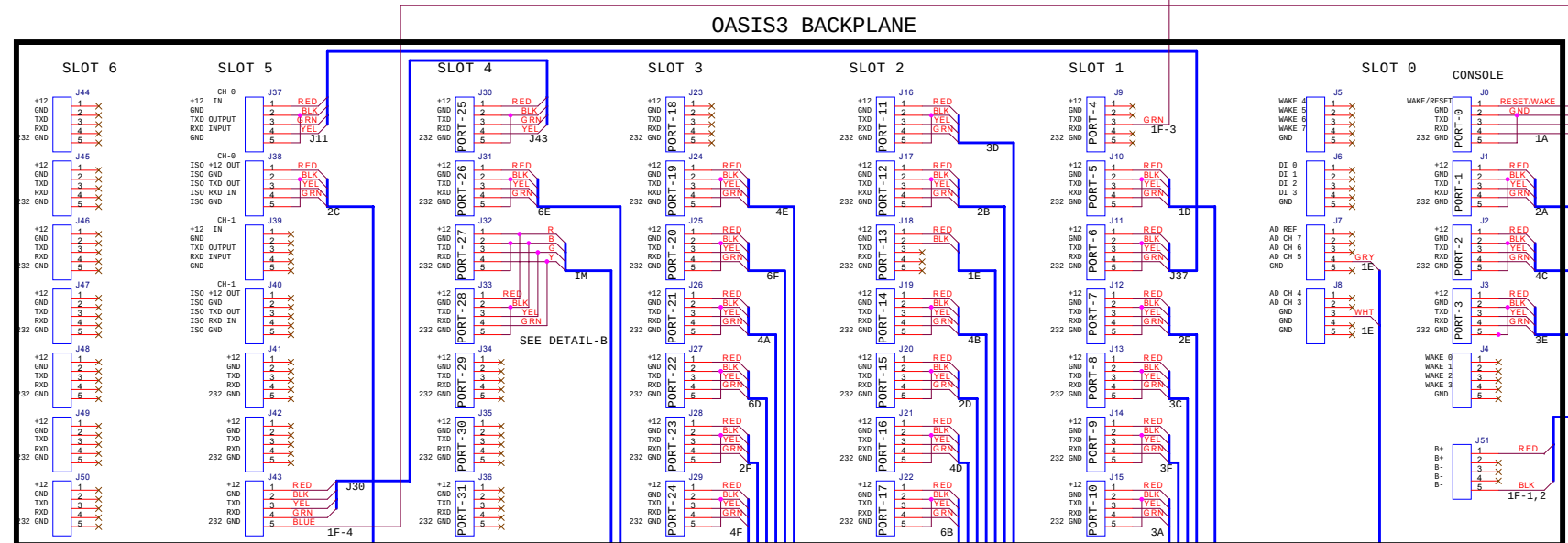


PART OF
PROCESSOR
BOARD ESD
MOD

DIGIKEY
SAICADICT-ND
UNIDIRECTIONAL
TRANSIENT
SUPPRESSOR

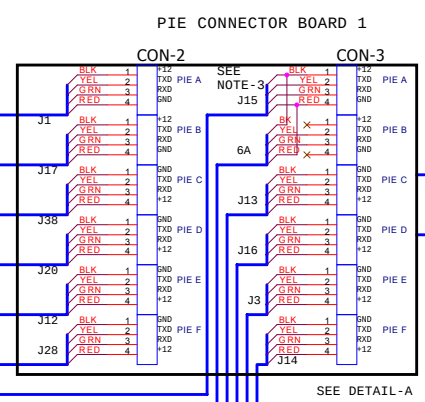


OASIS3 CAN
BULKHEAD



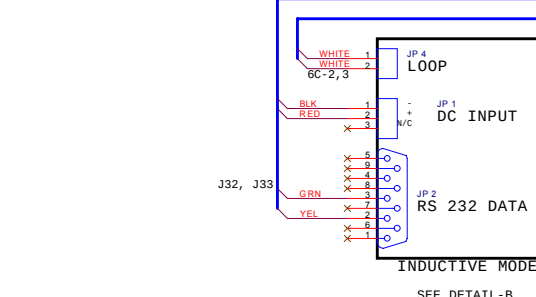
PART OF
PROCESSOR
BOARD ESD
MOD

IN-LINE
1N4001

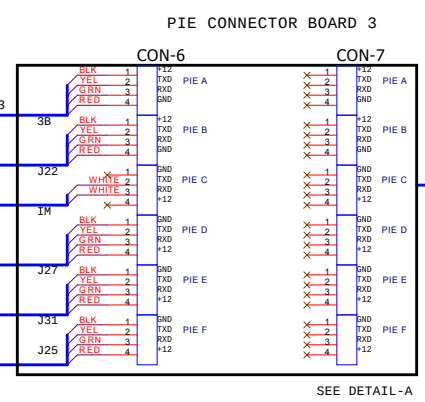
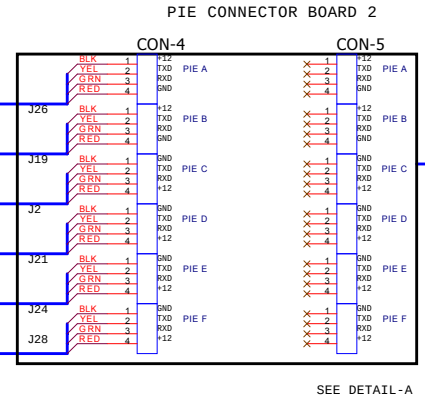


- CON-1 MHDG-24-BCR LOCAL CONN BLOCK CONNECTOR BLOCK-1
- CON-2 MHDG-24-BCR TOP DECK CONNECTOR BLOCK-2
- CON-3 MHDG-24-BCR MID DECK CONNECTOR BLOCK-3
- CON-4 MHDG-24-BCR ELEVATOR CAGE CONNECTOR BLOCK-4
- CON-5 MHDG-24-BCR ELEV CAGE SPARE NOT INSTALLED
- CON-6 MHDG-24-BCR 10M CAGE CONNECTOR BLOCK-6
- CON-7 MHDG-24-BCR 20M CAGE NOT INSTALLED
- CON-8 MHDG-24-BCR SPARE NOT INSTALLED

SEE OASIS3
EXTERNAL BLOCK
DIAGRAM



2X #22 AWG MIL TYPE-E TWISTED

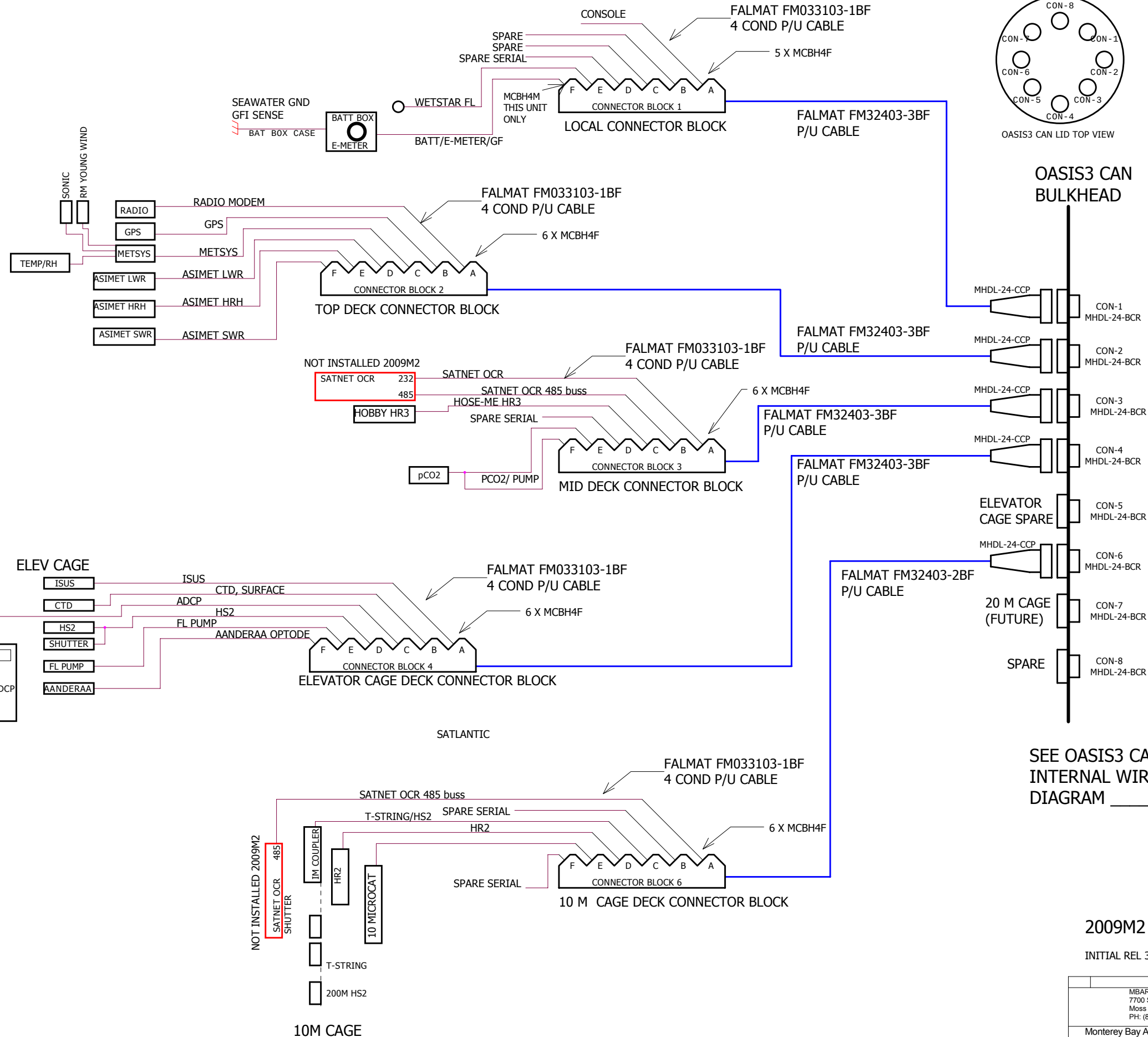
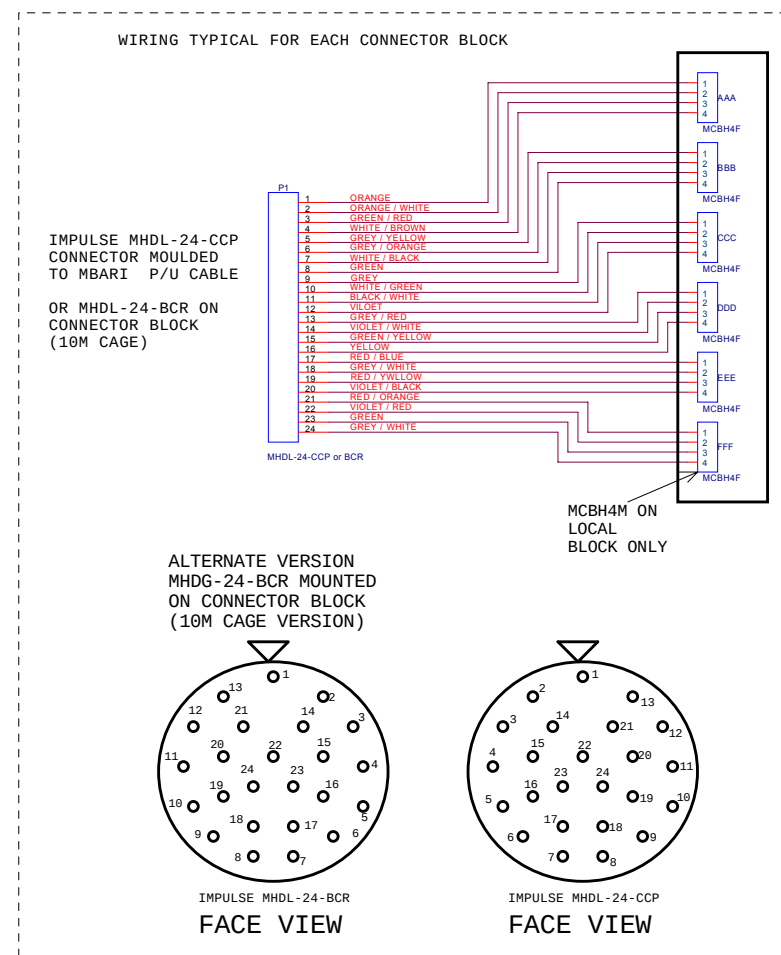


- NOTES:
- ALL WIRING UNLESS NOTED, 4X #22AWG MIL TYPE-E TWISTED QUAD
 - SEE DETAIL FOR SEABIRD INDUCTIVE PORT WIRING
 - 3B AND 6A WIRED FOR SATNET OCR, RS485

GENERIC, MODIFY TO SPECIFIC DEPLOYMENT

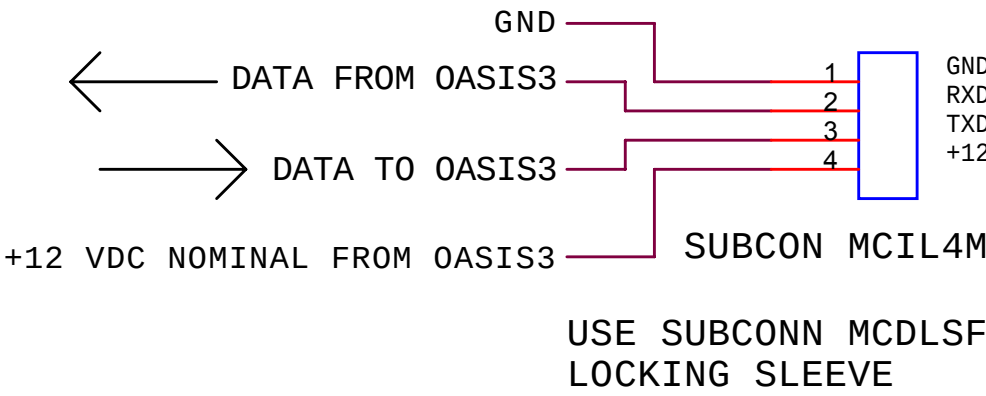
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Monterey Bay Aquarium Research Institute	
Doc OASIS3 INTERNAL WIRING DIAGRAM 20xxMx	Rev -
Date Monday, August 09, 2010	Sheet 1 of 1

20xxMx
INITIAL RELEASE 3/4/09

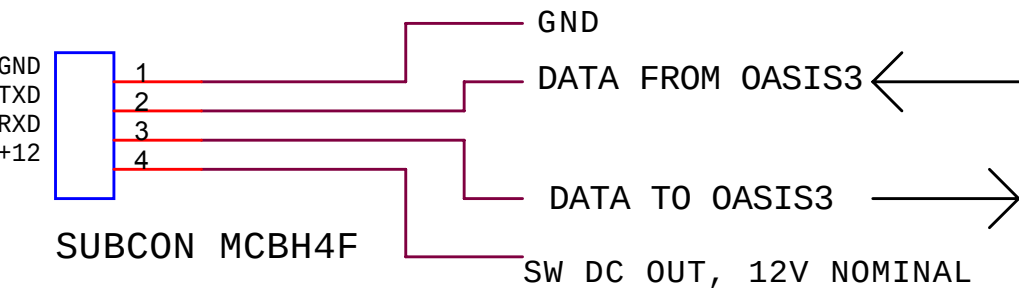


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INSTRUMENT CONNECTOR



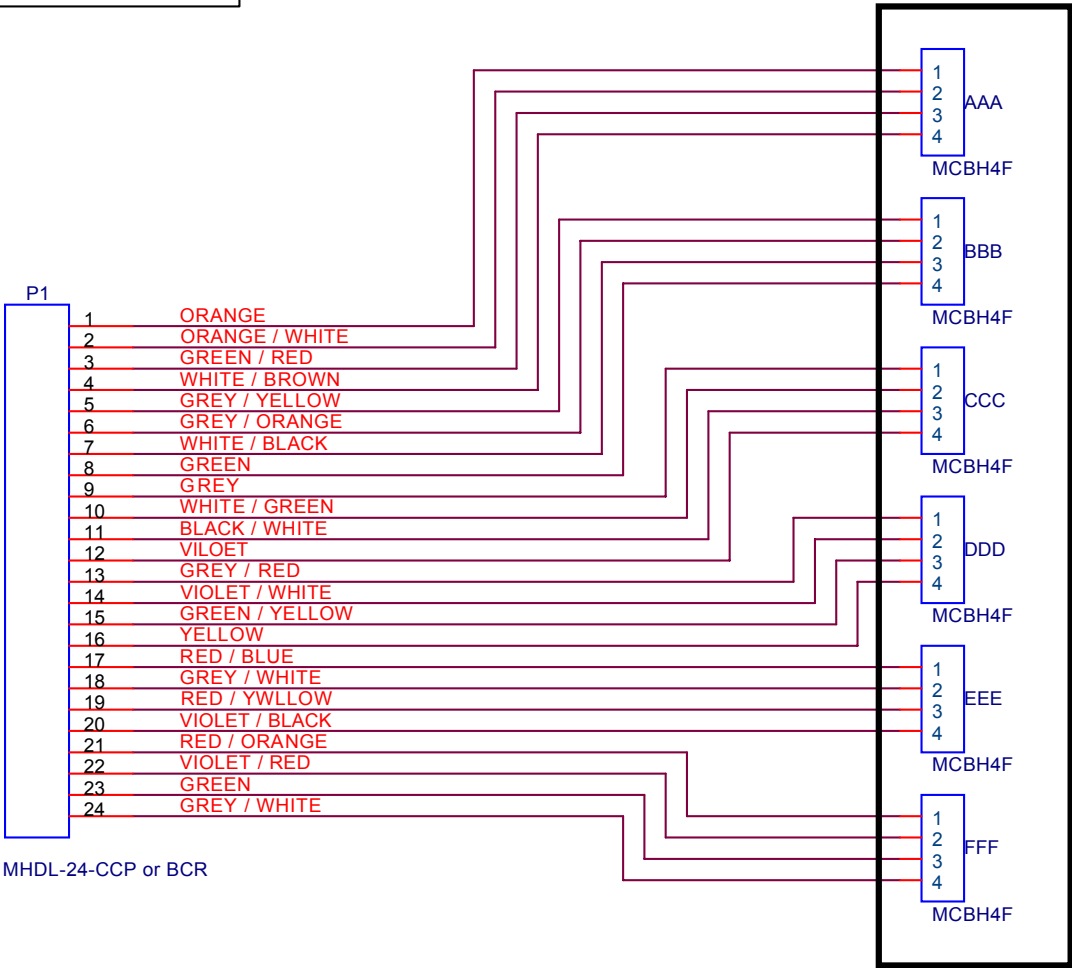
OASIS3 PORT



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Date:	Monday, August 09, 2010	Sheet 1 of 1

IMPULSE MHDL-24-CCP
CONNECTOR MOULDED
TO MBARI P/U CABLE

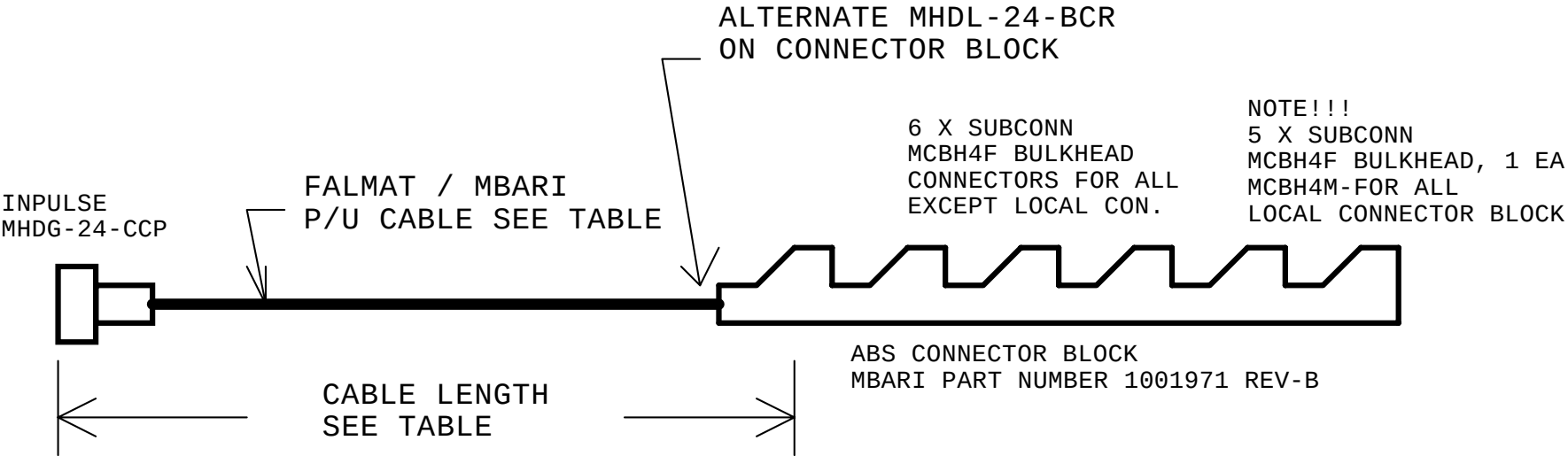
OR MHDL-24-BCR ON
CONNECTOR BLOCK



WIRING TYPICAL FOR EACH CONNECTOR BLOCK

CABLE SPECIFICATION TABLE

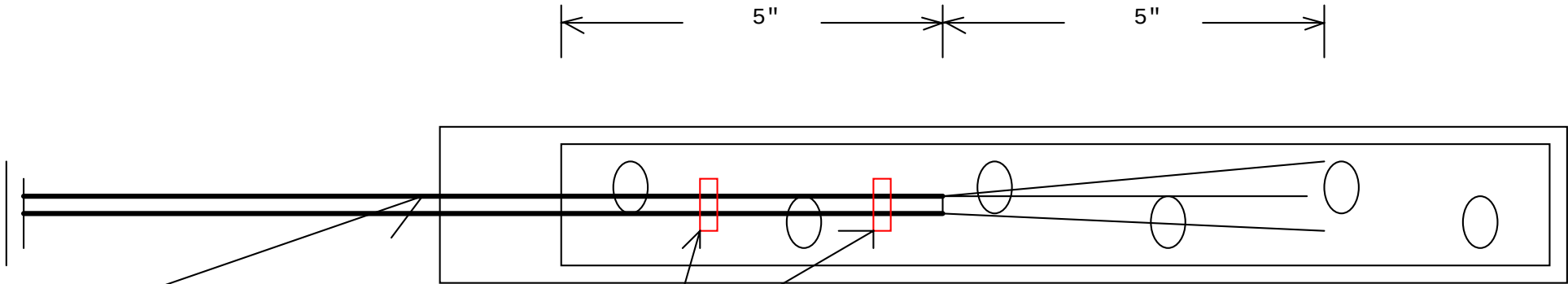
QTY	DESCRIPTION	CABLE LENGTH	CABLE TYPE
1	LOCAL CONNECTOR SEE NOTE	1.5M	GREEN
1	MID DECK	2.0M	GREEN
1	TOP DECK	2.0M	GREEN
1	ELEVATOR CAGE	5.0M	GREEN
1	10 METER CAGE (BULKHEAD CON VERSION)	15 METERS as provided	BLACK



NOTES:

1. SEE OASIS3 CONNECTOR BLOCK ASSEMBLY PROCEDURE DOCUMENT

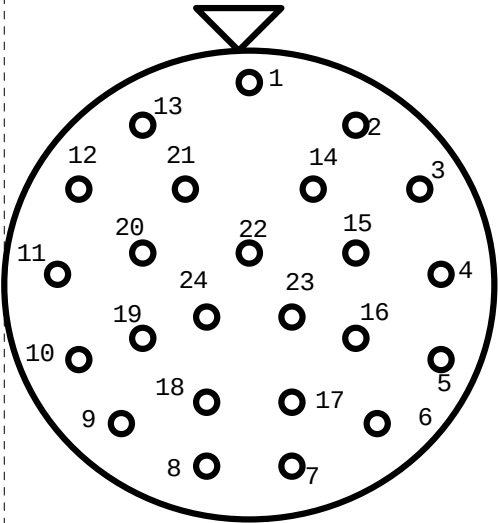
MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700		
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Title OASIS3 CONNECTOR BLOCK WIRING DIAGRAM		
Size B	Document Number 1002055.SCH	Rev B
Date:	Monday, August 09, 2010	Sheet 1 of 1



FASTEN WITH NYLON CABLE TIE
TO BOTTOM OF CONNECTOR BLOCK
2 PLACES

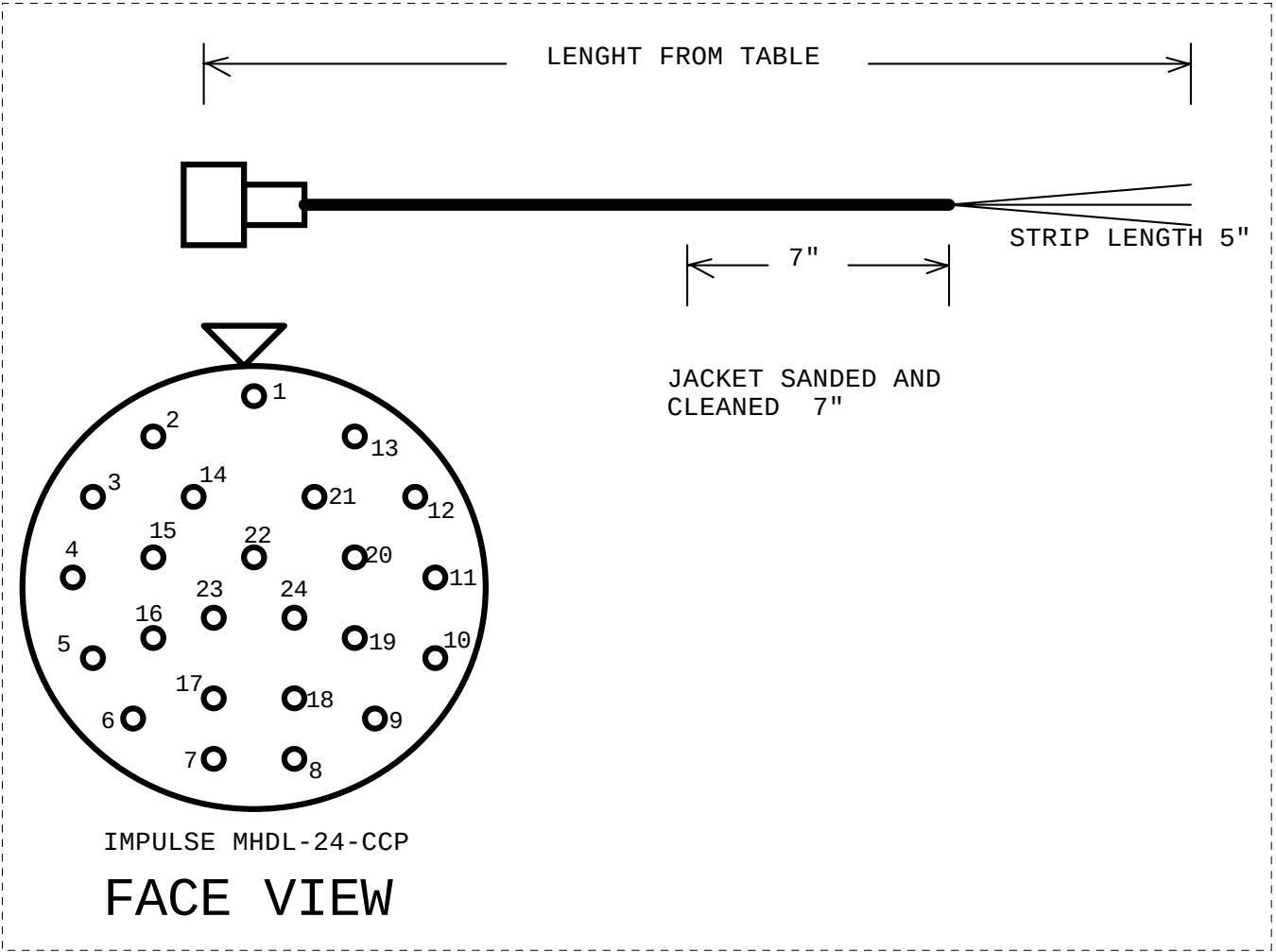
BOTTOM VIEW OF CONNECTOR BLOCK

ALTERNATE VERSION
MHDG-24-BCR MOUNTED
ON CONNECTOR BLOCK



IMPULSE MHDL-24-BCR
FACE VIEW

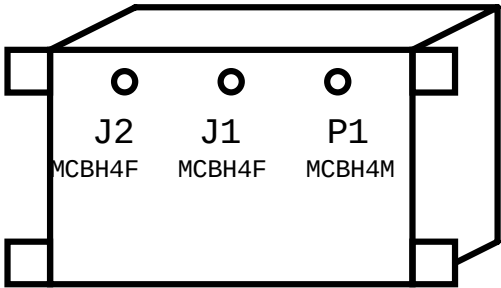
BULKHEAD CONNECTOR
VERSION FOR 10m CAGE



CABLED VERSION

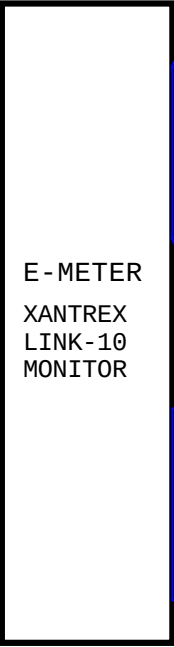
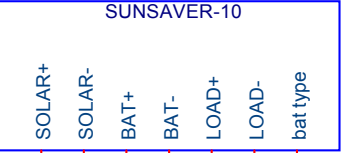
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USE CASE AS SEA
WATER GND
CONNECTION

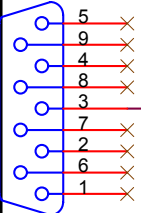


HOFFMAN STAINLESS
STEEL BOX REAR VIEW

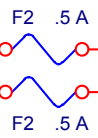
MORNING STAR
SUNSAVER-10 SOLAR
CHARGE CONTROLLER



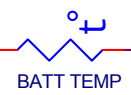
232 EMETER



1 DC METER NEG
2 SHUNT SENSE LOAD SIDE
3 SHUNT SENSE BAT SIDE
4 BAT SENSE VOLTS
5 DC METER POWER
6 TEMP SENSOR IN
7 TEMP SENSOR GND
8 TEMP SENSOR GND



BT1
BATTERY



BATT TEMP



CURRENT
SHUNT



F5
8 A SB



F2
5 A



F3
5 A



TB-1



FROM SOLAR
PANELS

TO OASIS3 CAN

AUX OUT

SEA WATER GND CONNECTION
GND TO BATTERY BOX

DRAFT 3/5/09

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