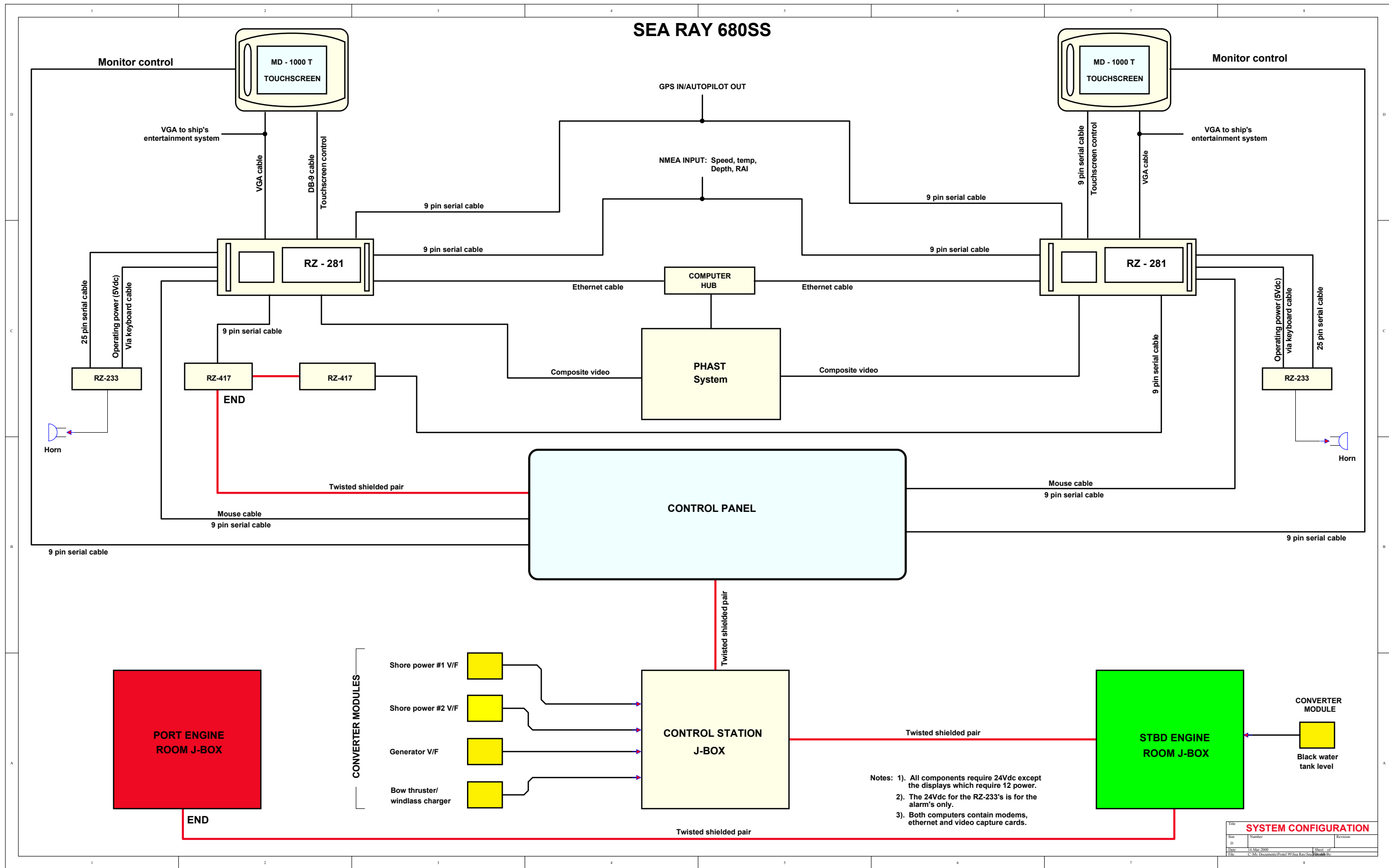


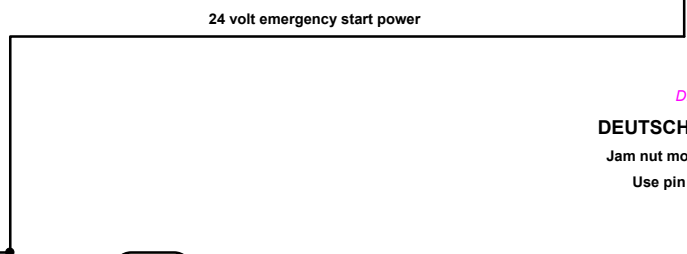
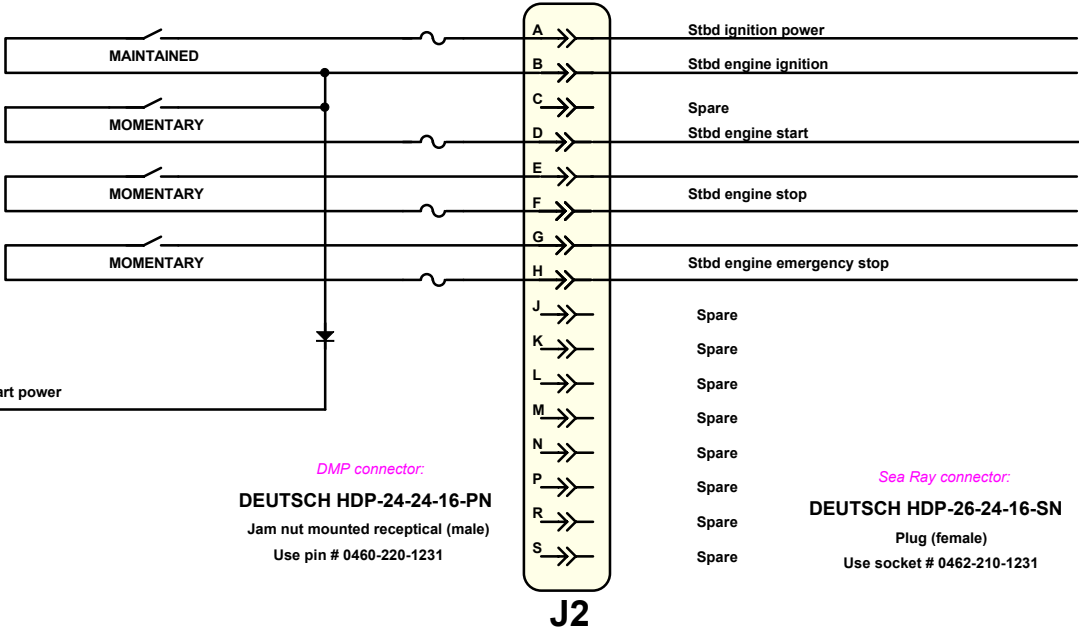
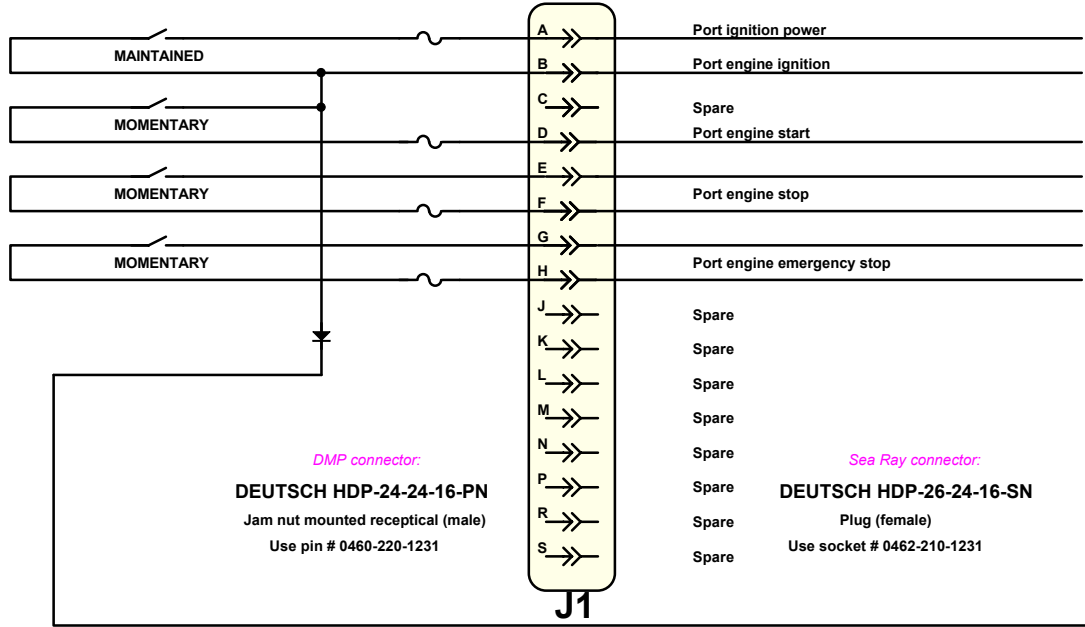
SEA RAY 680SS



- Notes:
- 1). All components require 24Vdc except the displays which require 12 power.
 - 2). The 24Vdc for the RZ-233's is for the alarm's only.
 - 3). Both computers contain modems, ethernet and video capture cards.

Title: SYSTEM CONFIGURATION		
Size	Number	Revision
Date:	14 Mar 2010	Sheet of
File: C:\My Documents\Project 99\Sea Ray\Sea Ray.rvt		

SEA RAY 680HT



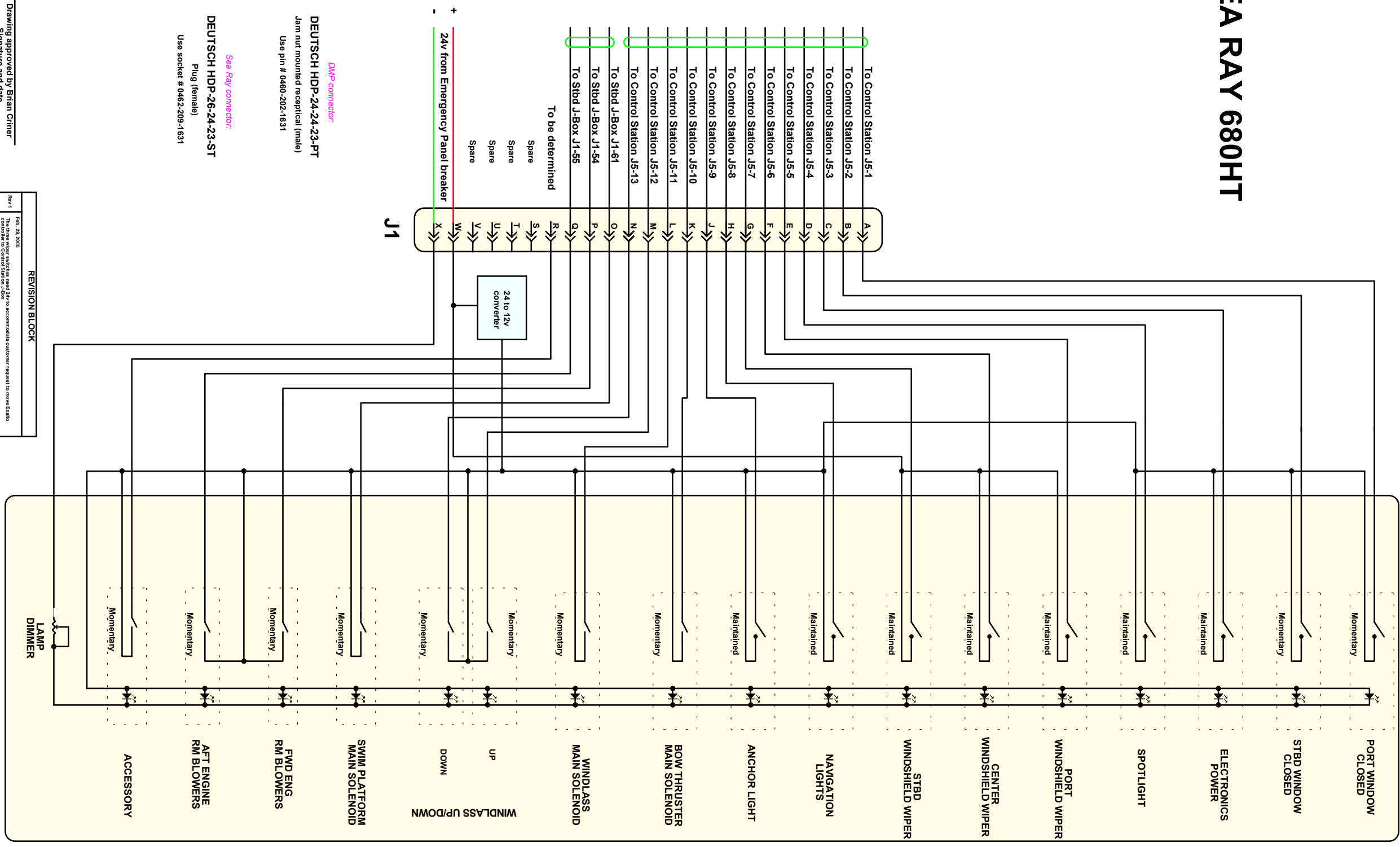
NEGATIVE BUSS BAR

Drawing approved by Brian Criner
Signature and date

REVISION BLOCK	
Rev 1	March 9, 2000 Changed pin and socket numbers for J1 and J2 Changed connector part numbers for J3 Added socket number to J3

SEA RAY 680HT

NOTE: Green designates cable only
Shields not necessary



DMP connector
DEUTSCH HDP-24-24-23-PT
Jam nut mounted receptical (male)
Use pin # 0460-202-1631

See Ray connector
DEUTSCH HDP-26-24-23-ST
Plug (female)
Use socket # 0462-209-1631

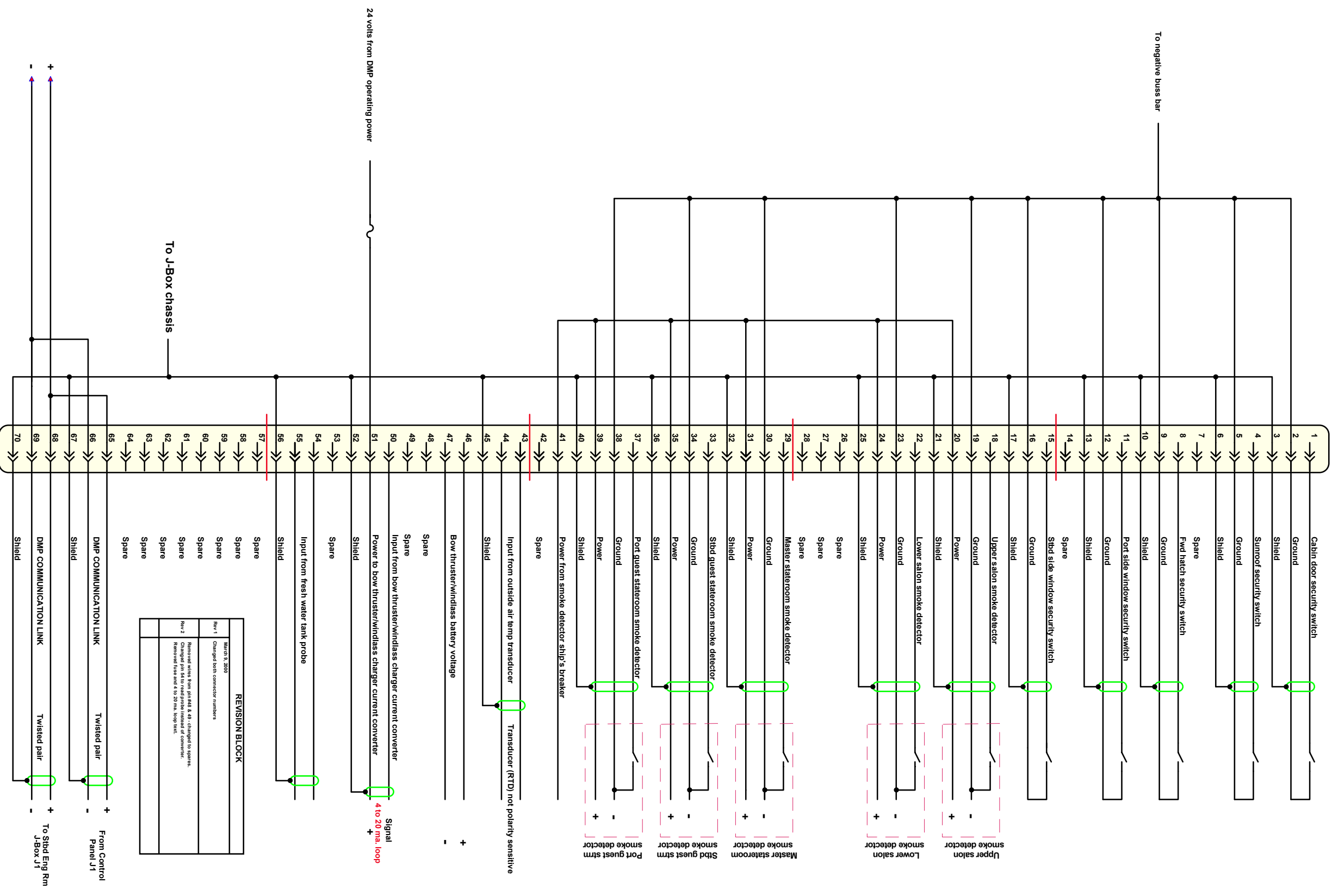
Drawing approved by Brian Chirer
Signature and date

REVISION BLOCK	
Rev 1	Rev 31 2008 This line will replace and stay to accommodate customer request to move labels connector to Control Station Jack
REV 2	March 9 2009 Changed both connector numbers, Changed socket number
Rev 3	Changed wire switches from momentary to maintained.

DMP J-BOX

SEA RAY 680HT

SHIP'S WIRING



REVISION BLOCK	
Rev 1	March 5, 2020 Changed both connector numbers
Rev 2	Revised wires from pins 43 & 44, changed to spurs. Changed pin 54 to end probe instead of converter. Remove fuse and 4 to 20 ma. loop text.

Drawing approved by Brian Criner
Signature and date

DMP connector:
DEUTSCH DRC 12 - 70PA
Flange mount (receptacle (male))
Use pin # 0460-202-1631

J1

Sea Ray connector:
DEUTSCH DRC 16 - 70SA
Plug (female)
Use socket # 0462-201-1631

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CONTROL STATION J-BOX

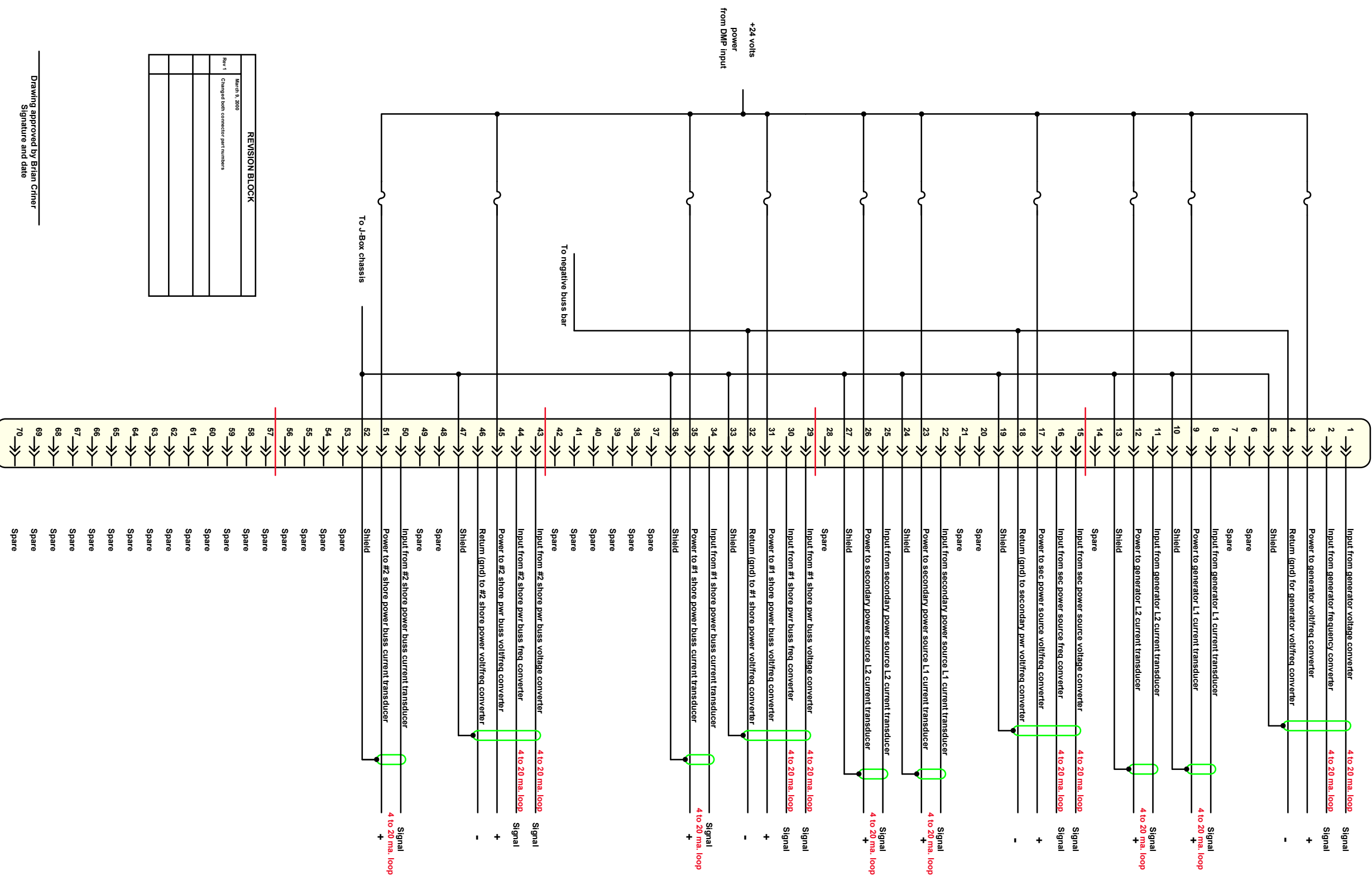
REV 2

DATE	BY	DESCRIPTION

DMP J-BOX

SEA RAY 680HT

SHIP'S WIRING



REVISION BLOCK	
Rev 1	March 9, 2020 Changed both connector part numbers

Drawing approved by Brian Criter
Signature and date

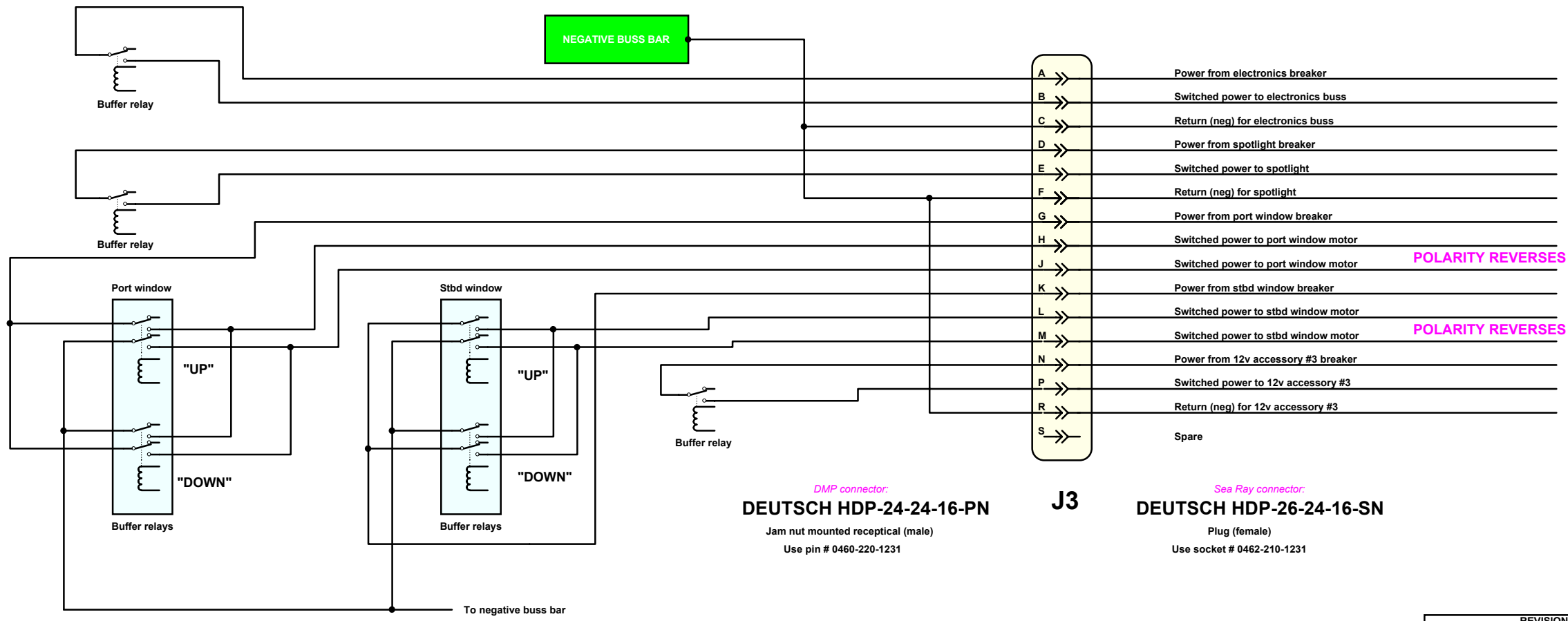
DEUTSCH DRC 12 - 70PB
Flange mount receptacle (male)
Use pin # 0460-202-1631

DEUTSCH DRC 16 - 70SB
Plug (female)
Use socket # 0462-201-1631

SEA RAY 680HT

DMP J-BOX

SHIP'S WIRING



DMP connector:
DEUTSCH HDP-24-24-16-PN
 Jam nut mounted receptical (male)
 Use pin # 0460-220-1231

J3

Sea Ray connector:
DEUTSCH HDP-26-24-16-SN
 Plug (female)
 Use socket # 0462-210-1231

Drawing approved by Brian Criner
 Signature and date

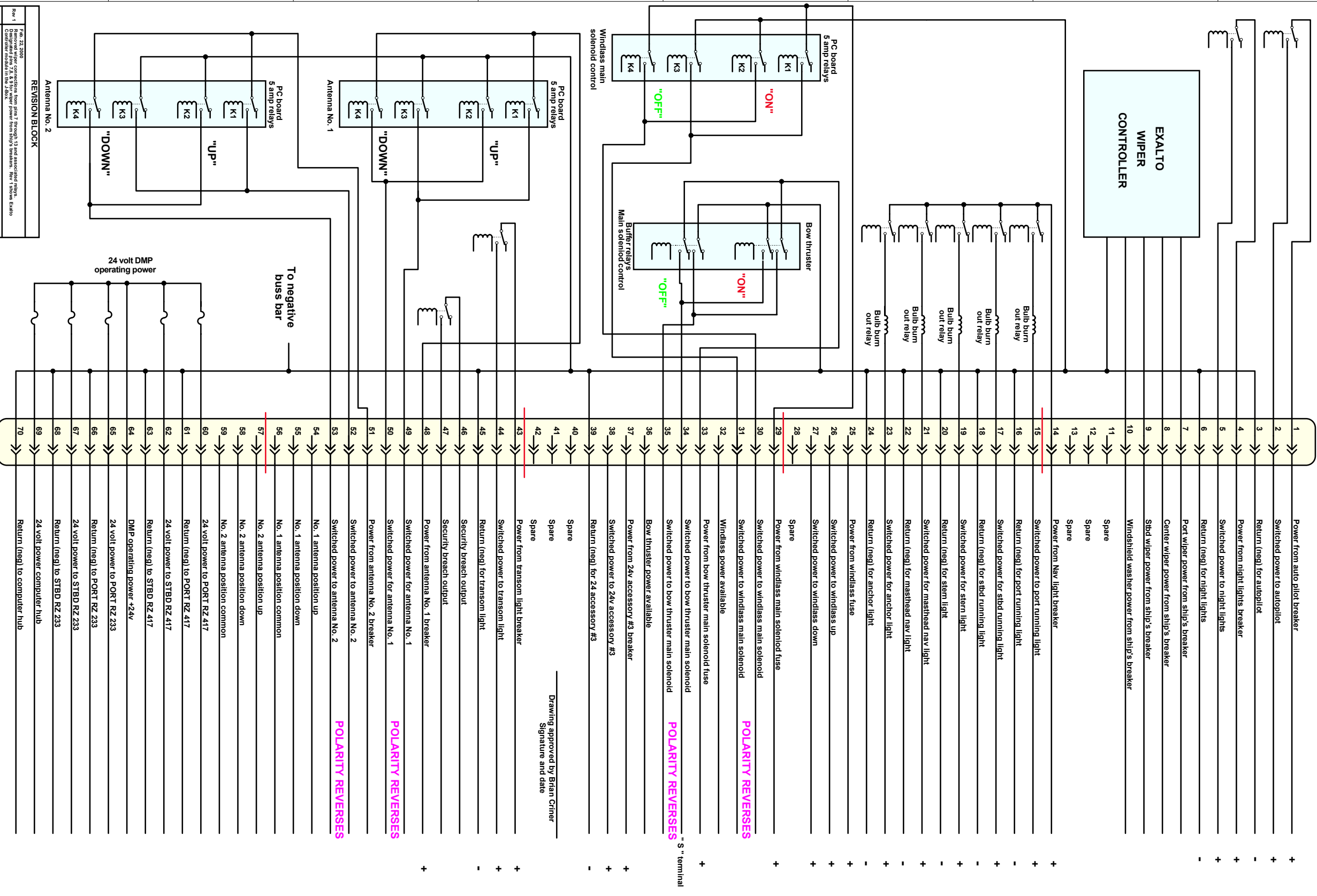
DC power supply negative
 will be hard wired into the
 J-Box without using a connector

REVISION BLOCK	
Rev 1	March 9, 2000 Changed pin and socket numbers

DMP J-BOX

SEA RAY 680HT

SHIP'S WIRING



REVISION BLOCK	
Rev 22 2000	Remove wire connections from pins 7 through 13 and relocate them. Center pin provided in the J-Box.
Rev 1	Remove wire connections from pins 7 through 13 and relocate them. Center pin provided in the J-Box.
Rev 3	Changed pin 11 from a spare to windshield washer power from ship's header. Added socket number.

DEUTSCH DRC 12 - 70PC J4
 Flange mount receptacle (male)
 Use Pin # 0460-202-1631

DEUTSCH DRC 16 - 70SC
 Plug (female)
 Use socket # 0462-201-1631 and 0462-209-1631

© 2000 DMP America
CONTROL STATION J-BOX
 REV 3

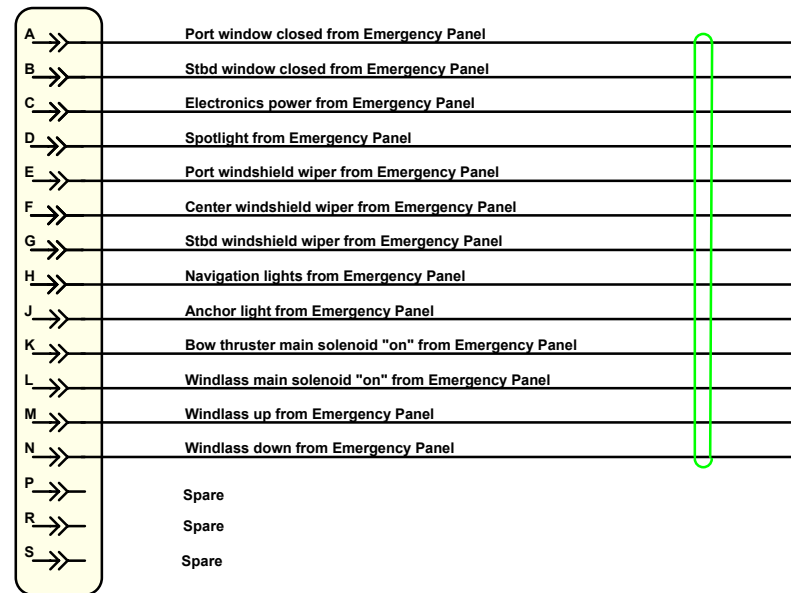
Drawing approved by Brian Griner
 Signature and date

DMP J-BOX

SEA RAY 680HT

EMERGENCY BACKUP PANEL

To all appropriate RZ relays



J5

DMP connector:
DEUTSCH HDP-24-24-16-PN
 Jam nut mounted receptical (male)
 Use pin # 0460-220-1231

Sea Ray connector:
DEUTSCH HDP-26-24-16-SN
 Plug (female)
 Use socket # 0462-210-1231

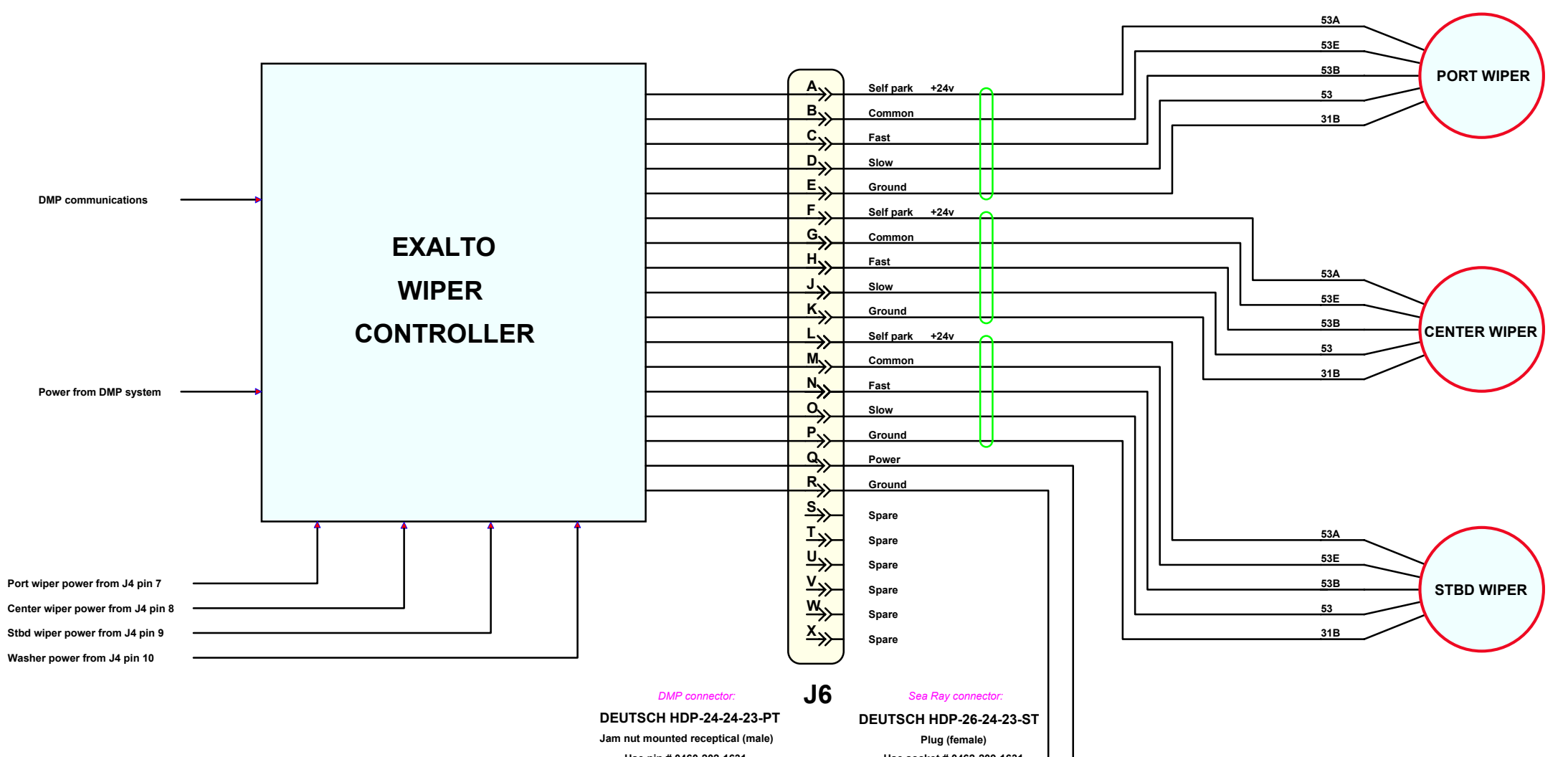
REVISION BLOCK	
Rev 1	March 9, 2000 Changed pin and socket numbers

Drawing approved by Brian Criner
 Signature and date

DMP J-BOX

SEA RAY 680HT

SHIP'S WIRING



DMP communications

Power from DMP system

Port wiper power from J4 pin 7
 Center wiper power from J4 pin 8
 Stbd wiper power from J4 pin 9
 Washer power from J4 pin 10

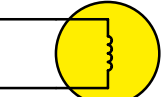
**EXALTO
 WIPER
 CONTROLLER**

- A Self park +24v
- B Common
- C Fast
- D Slow
- E Ground
- F Self park +24v
- G Common
- H Fast
- J Slow
- K Ground
- L Self park +24v
- M Common
- N Fast
- O Slow
- P Ground
- Q Power
- R Ground
- S Spare
- T Spare
- U Spare
- V Spare
- W Spare
- X Spare

PORT WIPER

CENTER WIPER

STBD WIPER



WASHER SOLENIOD

DMP connector:
DEUTSCH HDP-24-24-23-PT
 Jam nut mounted receptical (male)
 Use pin # 0460-202-1631

Sea Ray connector:
DEUTSCH HDP-26-24-23-ST
 Plug (female)
 Use socket # 0462-209-1631

J6

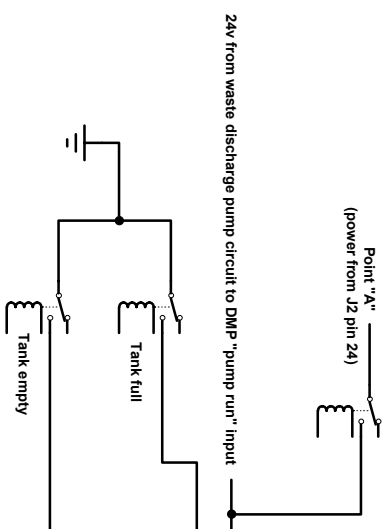
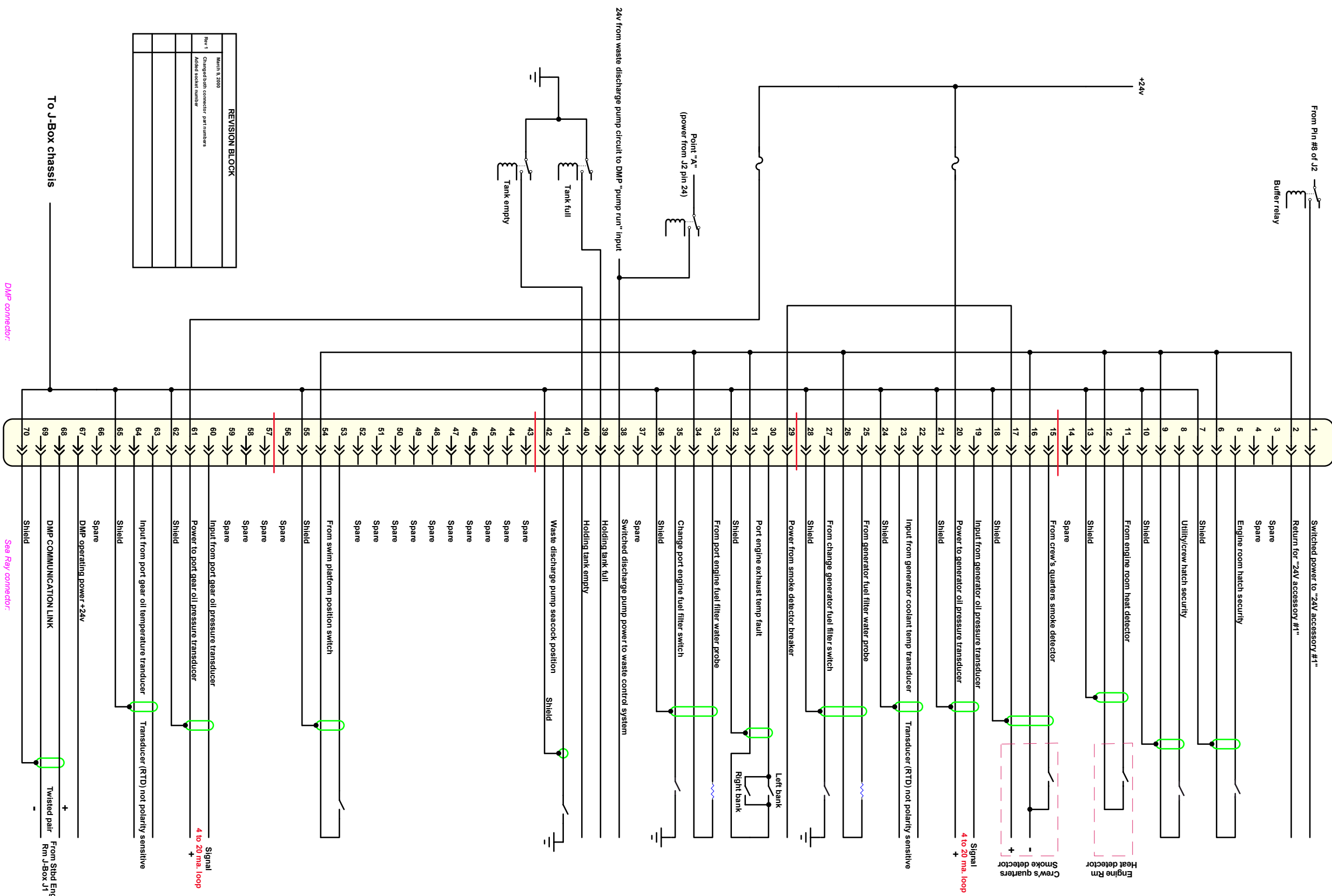
REVISION BLOCK	
Rev 1	Feb. 29th, 2000 Customer requests washer power from breaker on J4 Pin 10
Rev 2	March 9, 2000 Changed pin and socket numbers

Drawing approved by Brian Criner
 Signature and date

DMP J-BOX

SEA RAY 680HT

SHIP'S WIRING



REVISION BLOCK	
Rev 1	Change dmp connector part numbers
	Add socket number

Drawing approved by Brian Criner
Signature and date

DEUTSCH DRC 12 - 70PA
Flange mount receptacle (male)
Use pin # 0460-202-1631

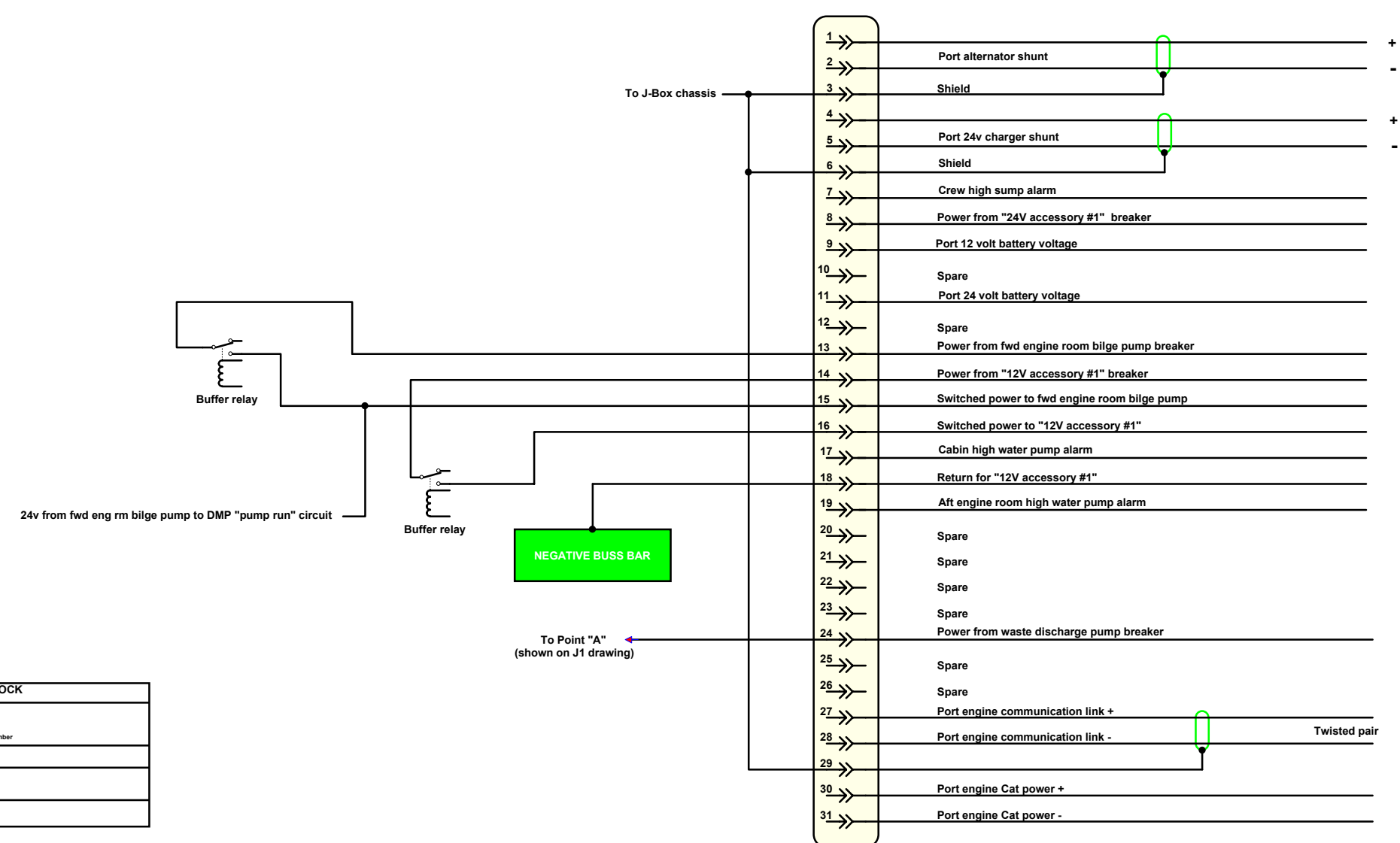
DEUTSCH DRC 16 - 70SA
Plug (female)
Use socket # 0462-201-1631

© 2000 DMP America
PORT ENG RM J-BOX
REV 1

DMP J-BOX

SEA RAY 680HT

SHIP'S WIRING



REVISION BLOCK	
Rev 1	March 9, 2000 Changed both connector numbers Changed pin number and added a socket number

DC power supply negative will be hard wired into the J-Box without using a connector

DMP connector:
DEUTSCH HDP-24-24-31-PT
Jam nut mounted receptical (male)
Use pin # 0460-202-1631

J2

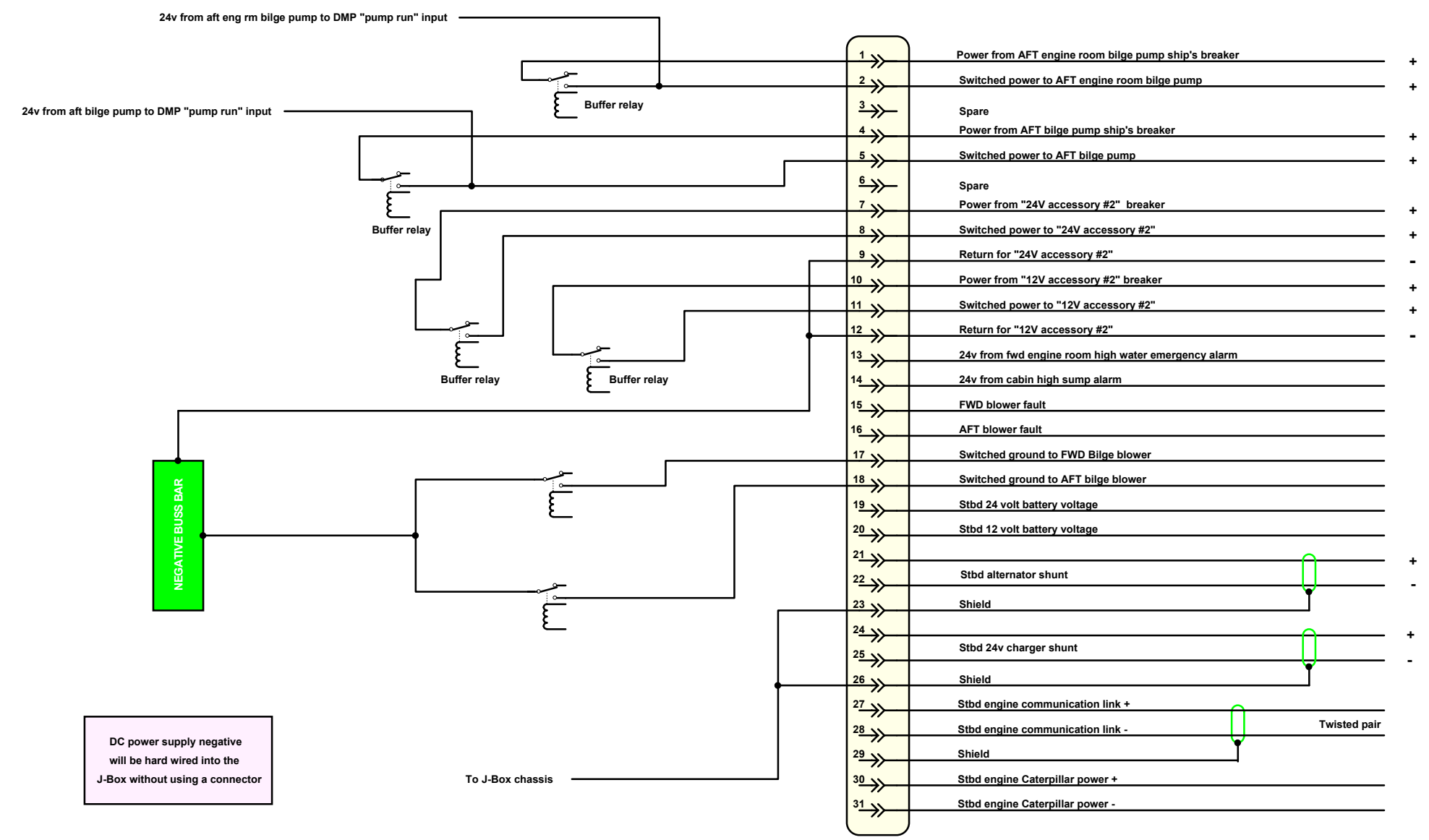
Sea Ray connector:
DEUTSCH HDP-26-24-31-ST
Plug (female)
Use socket # 0462-209-1631
and
0462-201-1631

Drawing approved by Brian Criner
Signature and date

DMP J-BOX

SEA RAY 680HT

SHIP'S WIRING



DC power supply negative will be hard wired into the J-Box without using a connector

DMP connector:
DEUTSCH HDP-24-24-31-PT
 Jam nut mounted receptical (male)
 Use pin # 0460-202-1631

J2

Sea Ray connector:
DEUTSCH HDP-26-24-31-ST
 Plug (female)
 Use socket # 0462-209-1631 and 0462-201-1631

REVISION BLOCK	
Rev 1	March 9, 2009 Changed both connector part numbers Changed pin number and added socket number

Drawing approved by Brian Criner
 Signature and date

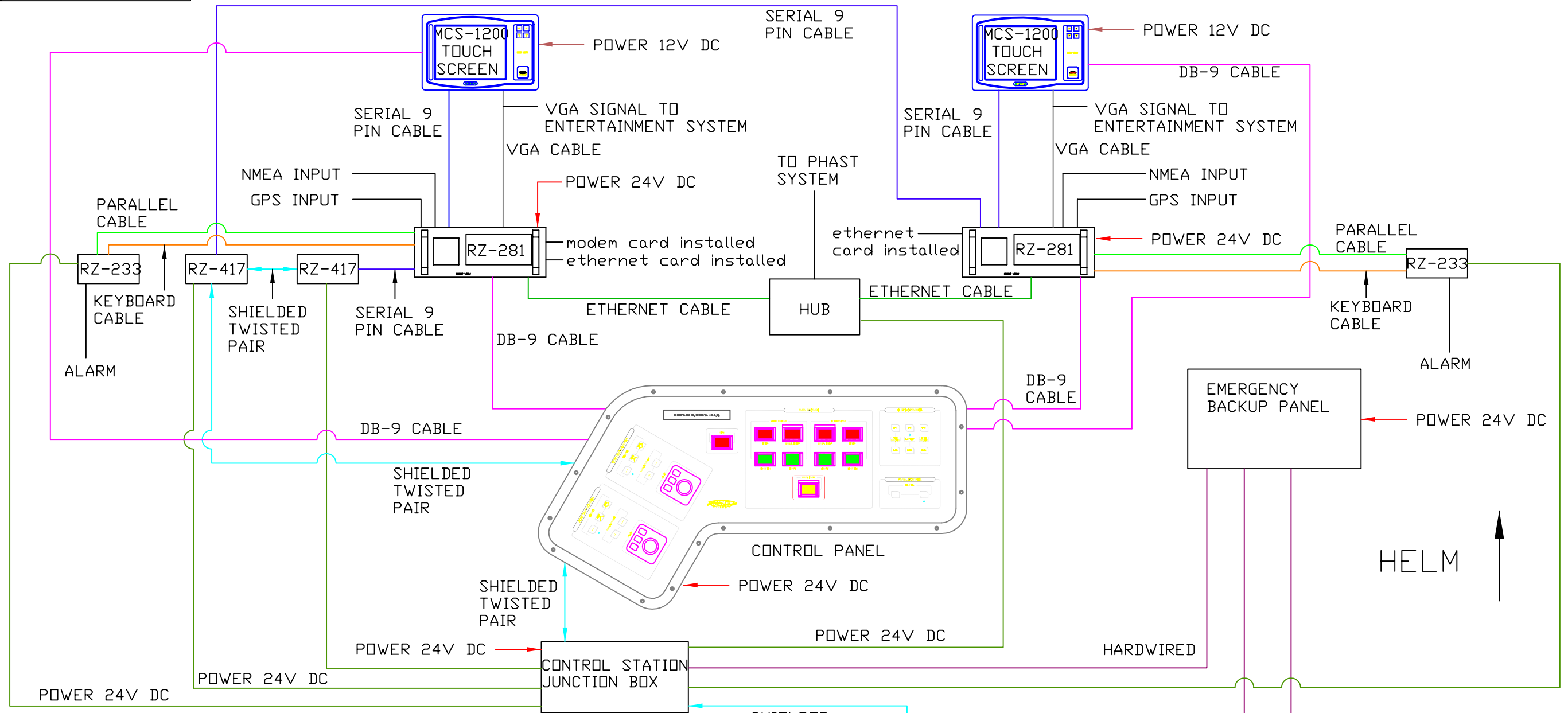
APPROVAL SIGNATURES		DATE
OWNER		
YARD MANAGER		
DESIGNER		
CONTRACTOR		
REV.	CHANGE DESCRIPTION	DATE
1	Original Design	
2	Change MCS-1200 screens to 15" DC	
3	Change VGA signal to entertainment system to 15" screen on rigging of wiring	
4	Change Power 24V DC from Entertainment System to 15" screen on rigging of wiring	
5	Change Power 24V DC from Control Station Junction Box to 15" screen on rigging of wiring	
6	Change Power 24V DC to wiring legend	
7	Change Power 24V DC from Control Station Junction Box to wiring legend	
8	Change Power 24V DC to wiring legend	
9	Change Power 24V DC from Control Station Junction Box to wiring legend	
10	Change Power 24V DC to wiring legend	

SEA RAY 680HT

WHEELHOUSE

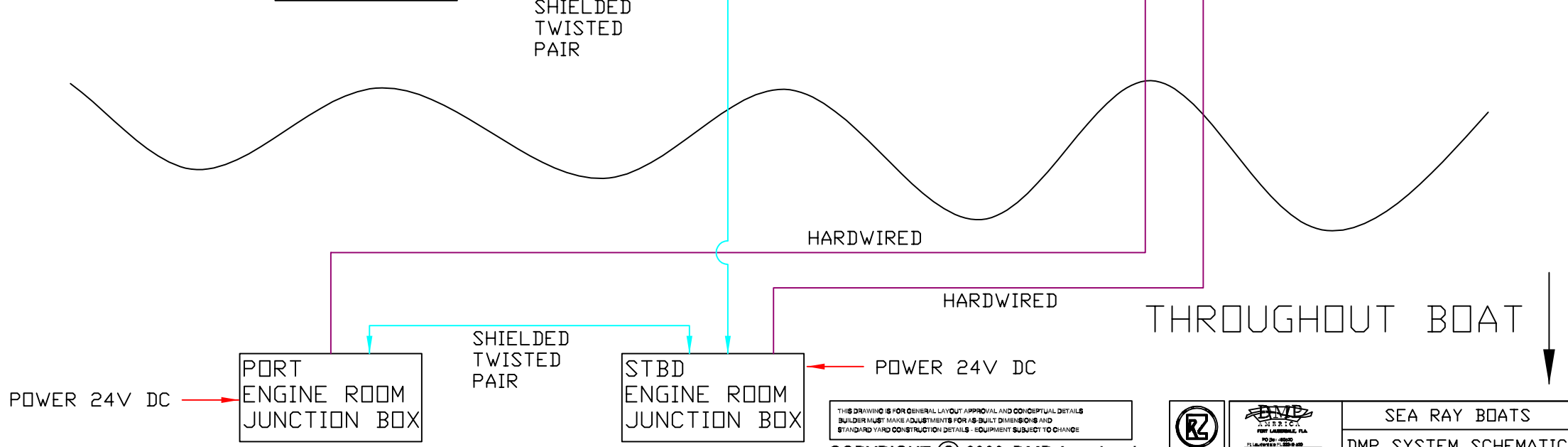
APPROVAL SIGNATURE _____

APPROVAL DATE _____



WIRING LEGEND

- POWER 12V DC
- POWER 24V DC
- POWER 24V DC FROM CONTROL STATION JUNCTION BOX
- SERIAL 9 PIN CABLE
- ETHERNET CABLE
- DB-9 CABLE
- SHIELDED TWISTED PAIR
- HARDWIRED
- PARALLEL CABLE
- KEYBOARD CABLE

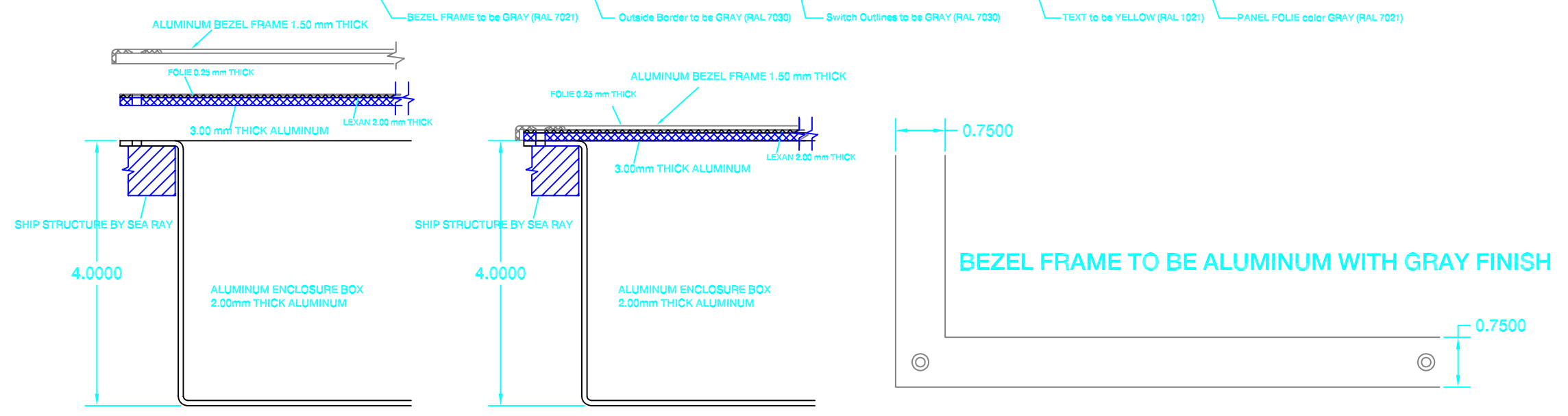
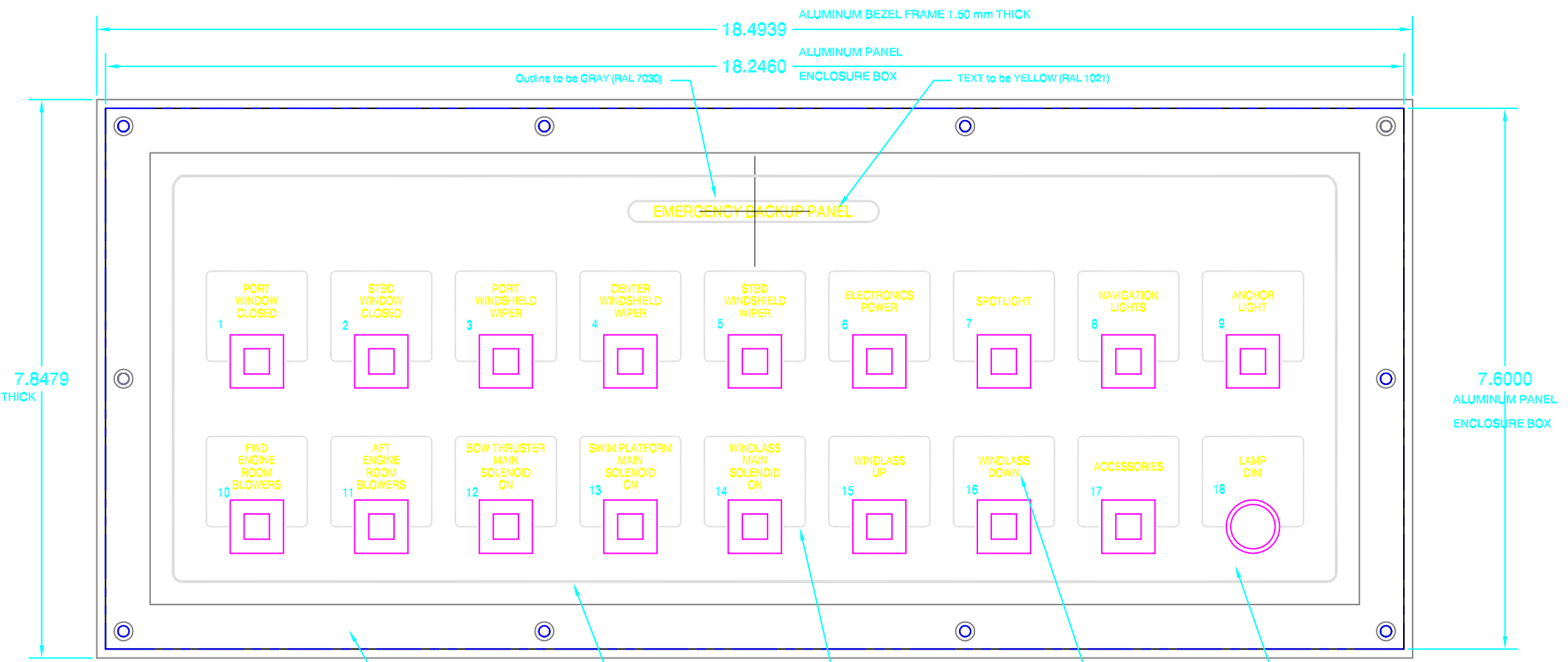


THIS DRAWING IS FOR GENERAL LAYOUT APPROVAL AND CONCEPTUAL DETAILS. BUILDER MUST MAKE ADJUSTMENTS FOR AS-BUILT DIMENSIONS AND STANDARD YARD CONSTRUCTION DETAILS - EQUIPMENT SUBJECT TO CHANGE.

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SEA RAY BOATS	
DMP SYSTEM SCHEMATIC	
DJC	000112SYS
DJC	NTS 01-14-00 1 OF 1



PLEASE READ INSTRUCTIONS CAREFULLY

MECHANICAL SWITCHES #1 - #5, #10-#17 to be EAO #18-187.035 (MOMENTARY, N.O.).
 MECHANICAL SWITCHES #6-#9 to be EAO #18-287.035 (MAINTAINED, N.O.).
 MECHANICAL SWITCHES #1-#17, to have EAO #18-981.2 RED LENSES.
 MECHANICAL SWITCHES #1-#17, to have EAO #18-920.1 ADAPTERS.
 #18 KNOB to be specified by RZ in Holland. Shaft size to be 1/4" diameter.
 SWITCH LIGHTING to be 24 Volt LED's and be dimmable from KNOB #18.
 PANEL fastening from face; HOLES 4mm, counter sink for flat head screws.
 Provide Bezel Frame in ALUMINUM with GRAY (RAL 7021) finish and countersunk holes.
 #18 to be a KNOB to dim lamps.
 Spare Switch to be #17.
 Spare Switch #17 to be a MOMENTARY SWITCH.

PANEL COLORS
 PANEL FOLIE color GRAY (RAL 7021).
 Switch Outlines to be GRAY (RAL 7030).
 TEXT to be YELLOW.
 Outside Border to be GRAY (RAL 7030).
 BEZEL FRAME to be GRAY (RAL 7021).

APPROVAL SIGNATURE BY OWNER'S REPRESENTATIVE _____

PRINT NAME AND TITLE _____

DATE APPROVED _____

DRAWING MUST BE RETURNED SIGNED BEFORE CONSTRUCTION CAN BEGIN

APPROVAL SIGNATURES		DATE
OWNER / OWNERS AGENT		
YARD MANAGER		
FOREMAN		
COMMENTS:		
REV.	CHANGE DESCRIPTION	
B	01-13-00 MOVED WINDLASS BUTTONS TO THE RIGHT SIDE OF PANEL.	
	DELETED BOW THRUSTER MAIN SOLENOID OFF BUTTON, WINDLASS MAIN SOLENOID OFF BUTTON, & SWIM PLATFORM MAIN SOLENOID OFF BUTTON.	
	ADDED POWER AVAILABLE INDICATOR, & LAMP DIM KNOB.	
C	01-17-00 ADDED CROSS SECTION AND BEZEL DETAIL.	
	01-17-00 ADDED PANEL COLORS AND RAL NUMBERS.	

THIS DRAWING IS FOR GENERAL LAYOUT APPROVAL AND CONCEPTUAL DETAILS
 BUILDER MUST MAKE ADJUSTMENTS FOR AS-BUILT DIMENSIONS AND
 STANDARD YARD CONSTRUCTION DETAILS - EQUIPMENT SUBJECT TO CHANGE

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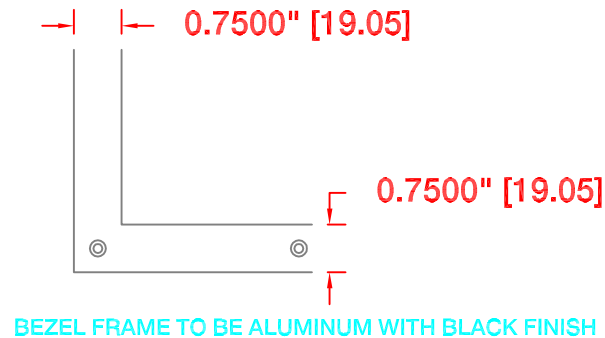
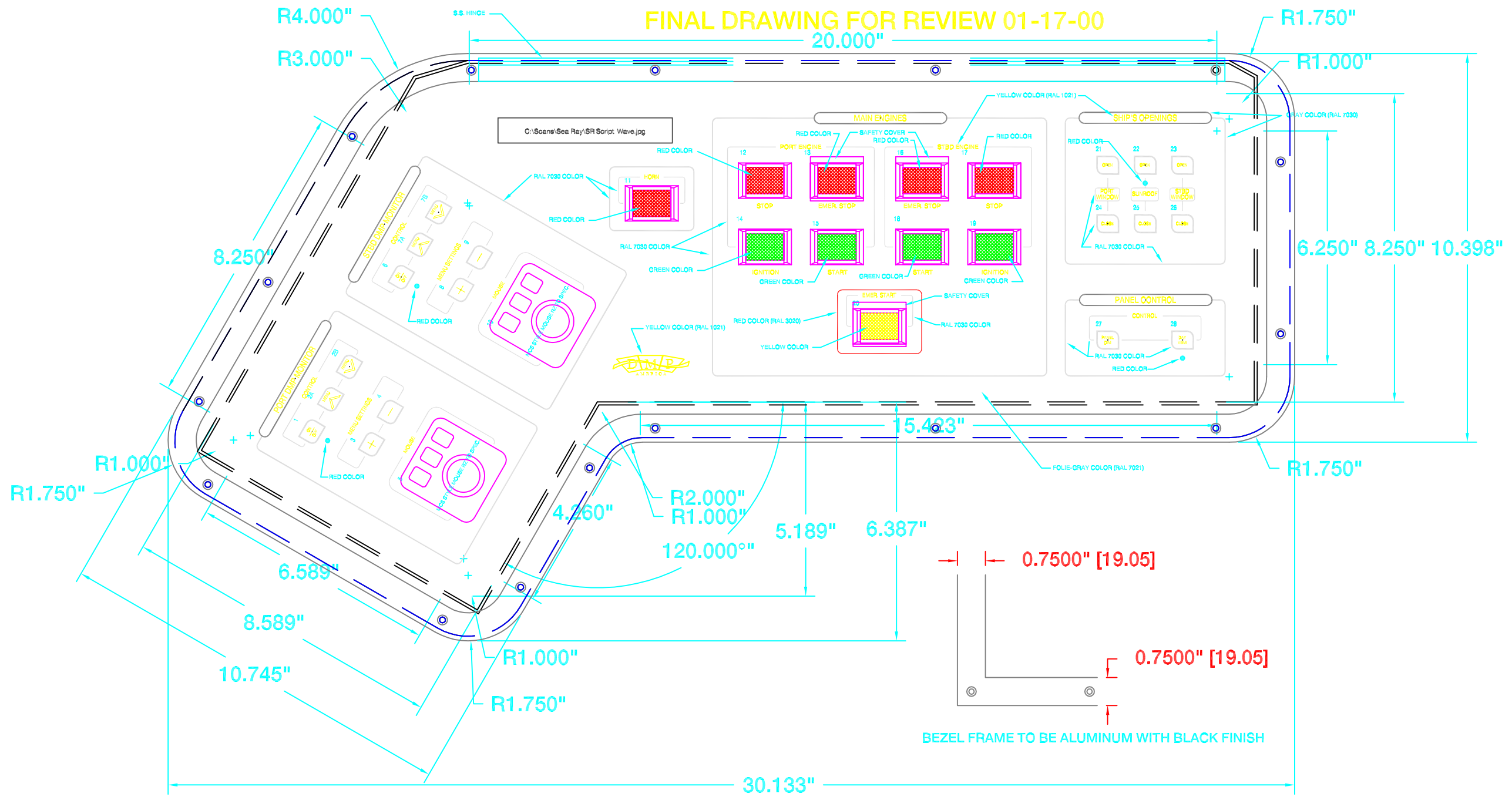
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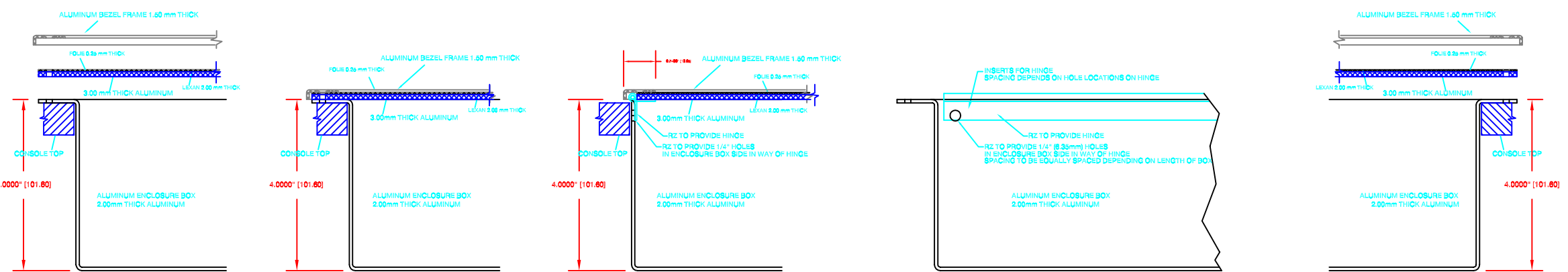
DMP AMERICA
 PORT LAUDERDALE, FLA.
 PO Box 460520
 Ft Lauderdale FL 33346-520
 6555 North Powerline Road Suite 401
 Fort Lauderdale, FL 33309
 http://www.dmpamerica.com
 (954) 491-4423 FAX (954) 491-0289
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SEARAY			
680HT			
EMERGENCY BACKUP PANEL			
DRAWN	DJC	DWG NO	000111SREBP
ISSUED	DJC	SCALE	NTS
		REV	C
		DATE	01-17-00
		SHEET	1 OF 1

FINAL DRAWING FOR REVIEW 01-17-00



BEZEL FRAME TO BE ALUMINUM WITH BLACK FINISH



PLEASE READ INSTRUCTIONS CAREFULLY

APPROVAL SIGNATURE BY OWNER'S REPRESENTATIVE _____
 PRINT NAME AND TITLE _____
 DATE APPROVED _____

DRAWING MUST BE RETURNED SIGNED BEFORE CONSTRUCTION CAN BEGIN

THIS DRAWING IS FOR GENERAL LAYOUT APPROVAL AND CONCEPTUAL DETAILS. BUILDER MUST MAKE ADJUSTMENTS FOR AS-BUILT DIMENSIONS AND STANDARD YARD CONSTRUCTION DETAILS - EQUIPMENT SUBJECT TO CHANGE.

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APPROVAL SIGNATURES		DATE
OWNER / OWNER'S AGENT		
YARD MANAGER		
FOREMAN		
COMMENTS:		
REV.	CHANGE DESCRIPTION	
C	ADDED DAY VIEW LED TO SWITCH NO. 27, NO. 6	
C	ADDED DAY VIEW LED TO SWITCH NO. 27, ADDED SWITCH NO. 28 DAY VIEW.	
D	REMOVED RED BORDER FROM MARKED UP PRINT RETURNED FROM SEA RAY, DATED 01-08-00	
E	ADDED RAL COLOR NUMBERS TO DWG.	

MECHANICAL SWITCHES #12, #13, #16, #17, #18 TO BE EAO #22-216-D11 (MOMENTARY, 1PST, NO.)
 MECHANICAL SWITCHES #14, #15 TO BE EAO #22-220-D11 (MOMENTARY, 1PST, NO.)
 MECHANICAL SWITCHES #19 AND #20 TO BE EAO #22-220-D11 (MOMENTARY, 1PST, NO.)
 MECHANICAL SWITCH FOLIE COLOR GRAY (RAL7021) AS SHOWN. ALL SWITCH TRIGGERS MUST BE WHITE TO ALLOW LED COLOR TO SHOW.
 ENGINE STOP SWITCHES #12 AND #17 ARE RED LED. EAO #31-988.2.2
 EMER. START SWITCH #20 TO HAVE YELLOW LED. EAO #31-988.2.4
 ENGINE START SWITCHES #16 AND #18 ARE GREEN LED. EAO #31-988.2.6
 ENGINE IGNITION SWITCHES #14 AND #15 ARE GREEN LED. EAO #31-988.2.8
 EMER. START SWITCH #20 TO HAVE SAFETY COVER. EAO #22-826
 ENGINE EMER. STOP SWITCHES #13 AND #18 TO HAVE SAFETY COVERS. EAO #22-826
 HORN SWITCH #11 TO HAVE RED LED. EAO #31-988.2.2
 SWITCH LIGHTING TO BE 24 Volt. LED's and be dimmable from one button, see switch #27.
 PANEL FOLIE COLOR GRAY (RAL 7021); Switch Grouping Outlines to be GRAY (RAL 7030); Grouping Titles to be YELLOW (RAL 1021); Outline Border to be RED (RAL 3020).
 PANEL: fastening from back: HOLES 6mm; counter-sink for flat-head screws.
 Provide Bezel Frame in ALUMINUM with GRAY (RAL 7021) Finish and counter-sink holes.
 Provide ALUMINUM HINGE on outer edge of panel.

NOTE: SWITCH NO. 28 SURROOF OPEN WILL BE ILLUMINATED WHEN THE SURROOF IS OPEN AT NIGHT.
 THE DAY VIEW LED WILL BE ILLUMINATED WHEN THE SURROOF IS OPEN DURING THE DAY.



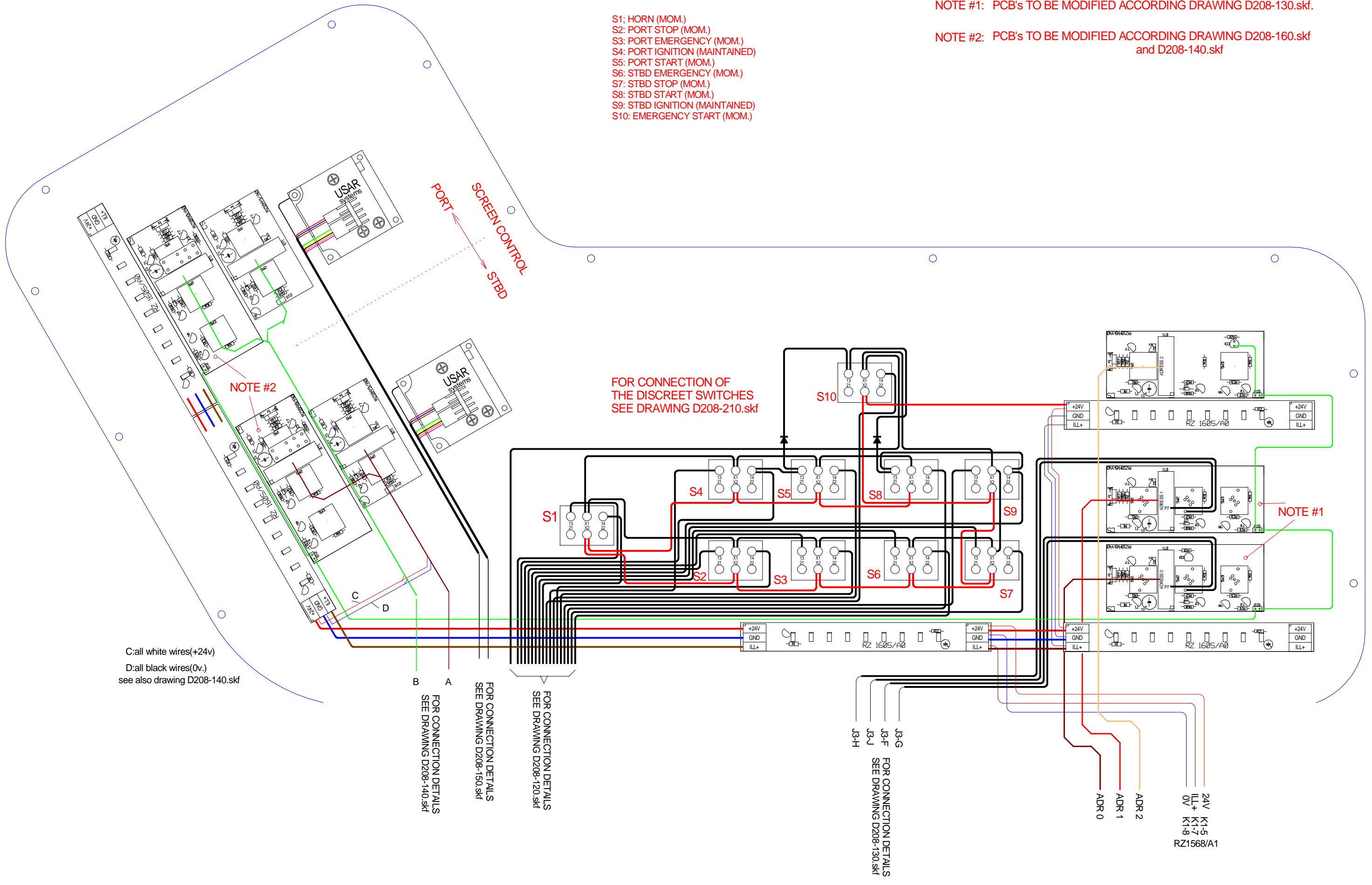
DMP
 DMP AMERICA, INC.
 1600 SE 11th St. Suite 408
 Ft. Lauderdale, FL 33316
 (954) 488-9800 FAX (954) 488-9800
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SEA RAY 680HT	
MAIN PANEL	
REV. 001	DATE 01-11-00
BY DJC	APP DJC
NO. 991207MNPNL	OF 1

NOTE #1: PCB's TO BE MODIFIED ACCORDING DRAWING D208-130.skf.

NOTE #2: PCB's TO BE MODIFIED ACCORDING DRAWING D208-160.skf and D208-140.skf

- S1: HORN (MOM.)
- S2: PORT STOP (MOM.)
- S3: PORT EMERGENCY (MOM.)
- S4: PORT IGNITION (MAINTAINED)
- S5: PORT START (MOM.)
- S6: STBD EMERGENCY (MOM.)
- S7: STBD STOP (MOM.)
- S8: STBD START (MOM.)
- S9: STBD IGNITION (MAINTAINED)
- S10: EMERGENCY START (MOM.)



C: all white wires (+24v)
 D: all black wires (0v.)
 see also drawing D208-140.skf

ALL SIZES IN MM
 AMERICAN PROJECTION STYLE

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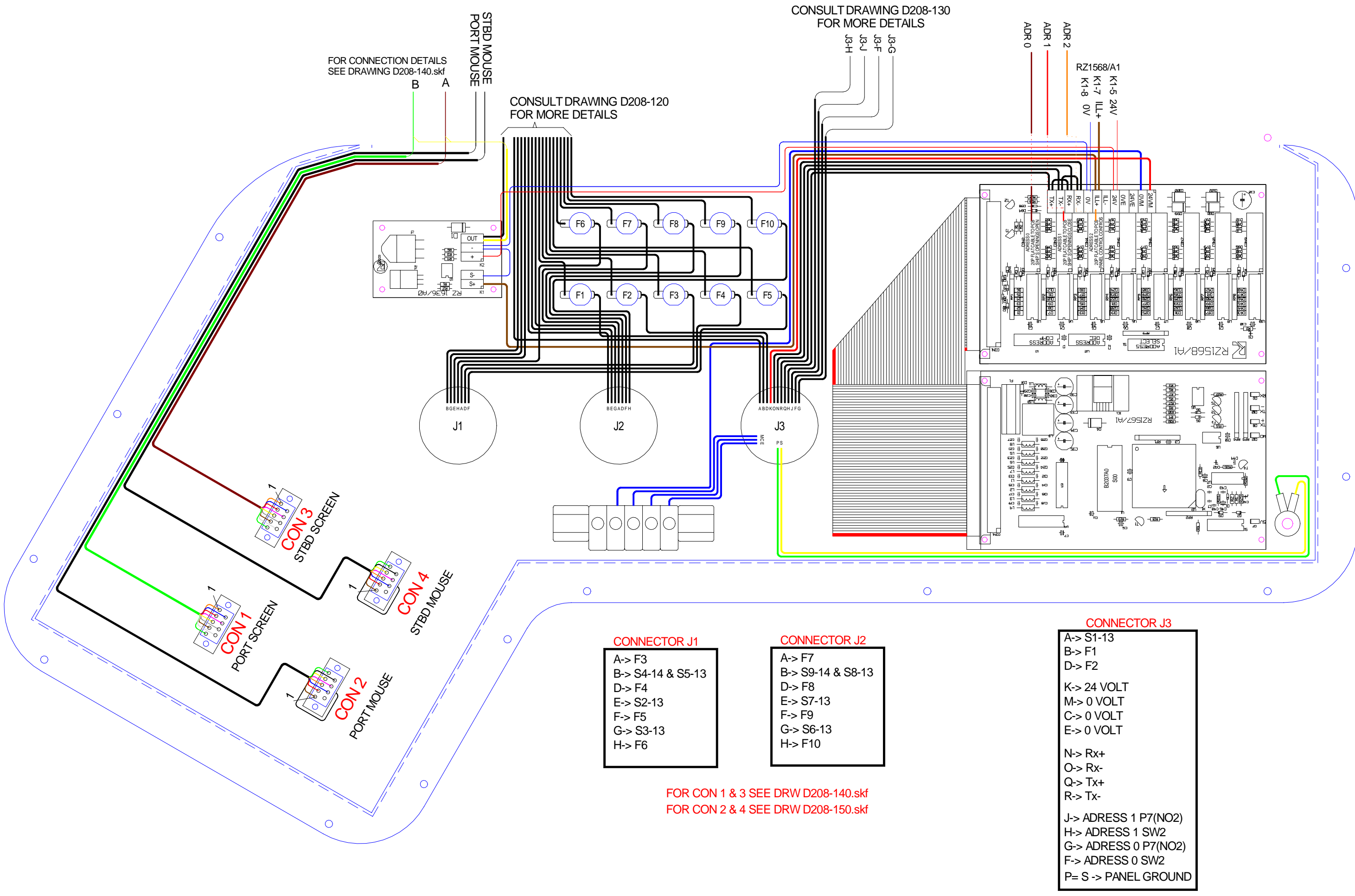


D208 SEARAY 680 HT

CONTROL PANEL INTERNAL WIRING

Mr. P.d.S.	A3	0? of 0?	A
december-2000	N:\ACAD\D208\SCHEMA\D208-100.SKF		

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FOR CONNECTION DETAILS
SEE DRAWING D208-140.skf

CONSULT DRAWING D208-120
FOR MORE DETAILS

CONSULT DRAWING D208-130
FOR MORE DETAILS

CONNECTOR J1

- A-> F3
- B-> S4-14 & S5-13
- D-> F4
- E-> S2-13
- F-> F5
- G-> S3-13
- H-> F6

CONNECTOR J2

- A-> F7
- B-> S9-14 & S8-13
- D-> F8
- E-> S7-13
- F-> F9
- G-> S6-13
- H-> F10

CONNECTOR J3

- A-> S1-13
- B-> F1
- D-> F2
- K-> 24 VOLT
- M-> 0 VOLT
- C-> 0 VOLT
- E-> 0 VOLT
- N-> Rx+
- O-> Rx-
- Q-> Tx+
- R-> Tx-
- J-> ADDRESS 1 P7(NO2)
- H-> ADDRESS 1 SW2
- G-> ADDRESS 0 P7(NO2)
- F-> ADDRESS 0 SW2
- P= S -> PANEL GROUND

FOR CON 1 & 3 SEE DRW D208-140.skf
FOR CON 2 & 4 SEE DRW D208-150.skf

ALL SIZES IN MM
AMERICAN PROJECTION STYLE

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RADIO ZEELAND DMP B.V.
Industrieweg 17
4538 AG Terneuzen
The Netherlands
Tel: +31 115 645400 Fax: +31 115 620040

D208 SEARAY 680 HT

CONTROL PANEL CABINET WIRING

Mr. P.d.S.

A3

01 of 01

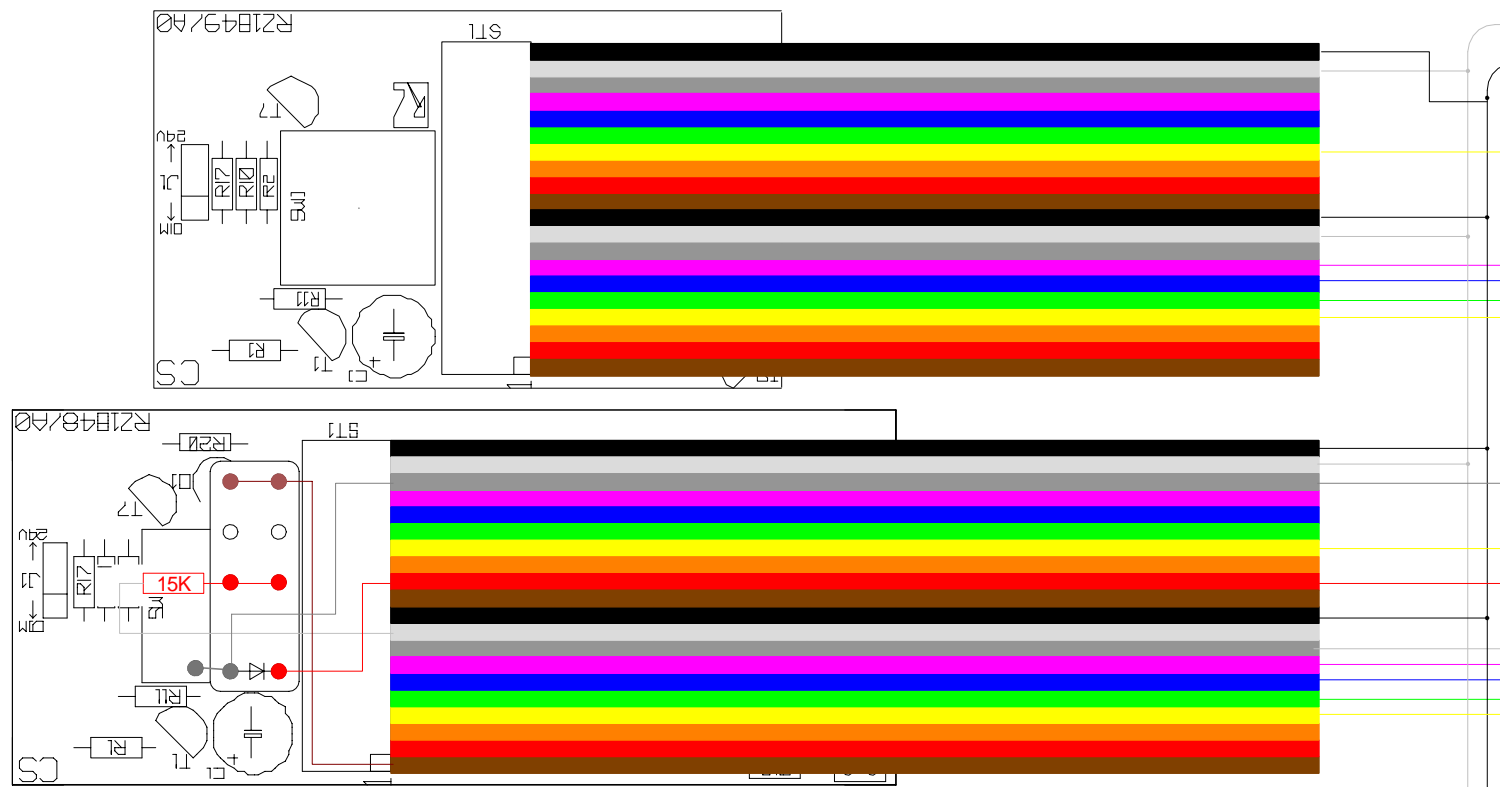
A

december 2000

N:\ACAD\D208\SCHEMAD\208-110.skf

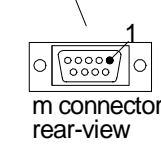
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STBD DMP MONITOR



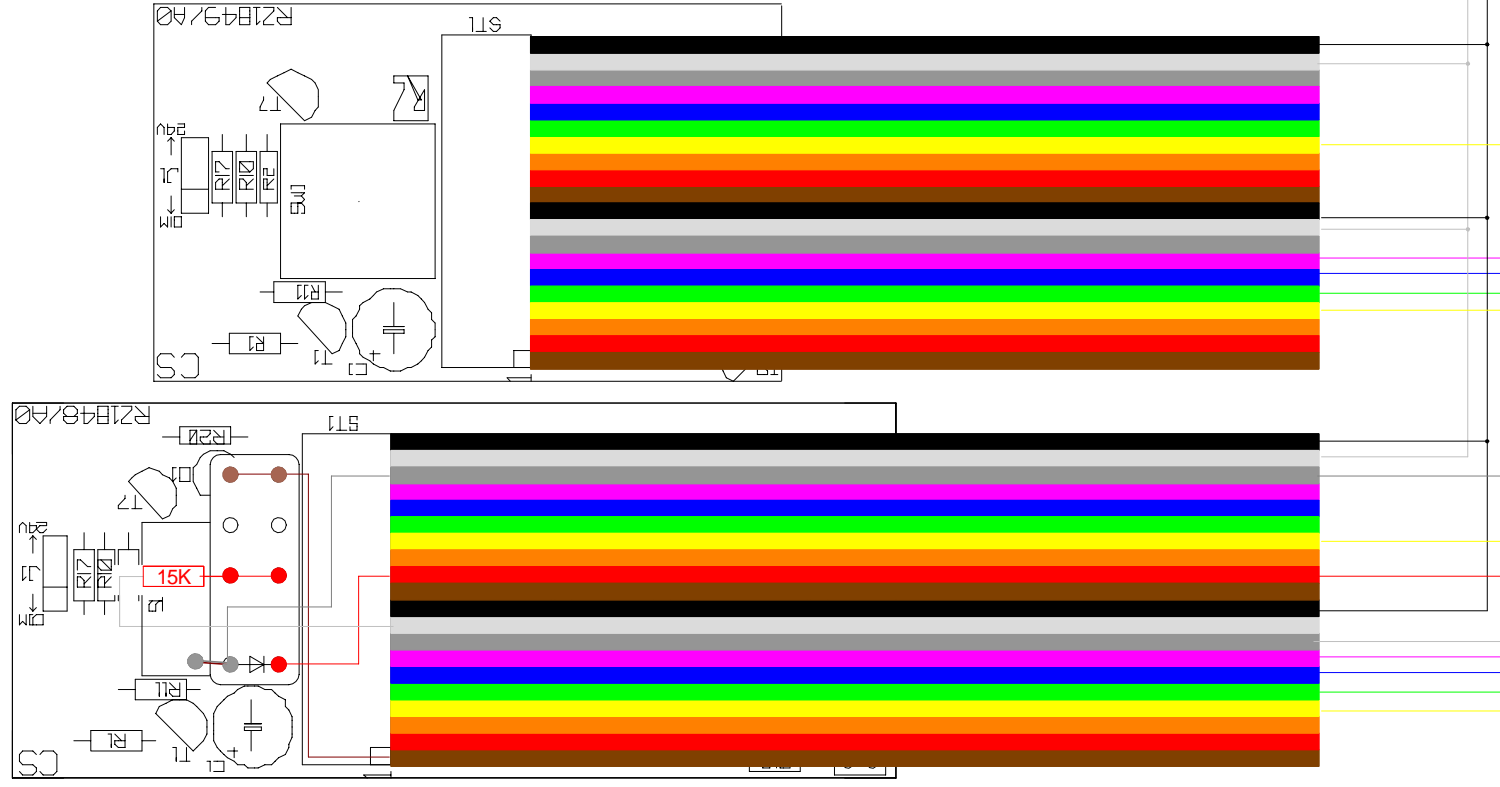
- C. +24VOLT DMP system
- D. 0 VOLT
- E. ILL- FROM BUFFER P1636/A0: K2-3.

CABLE CONNECTION A

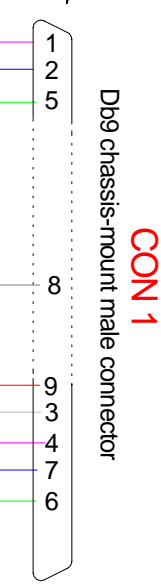


SEE ALSO DRAWINGS D208-100.skf and D208-110.skf.
FOR MODIFICATIONS OF PCB's P1848/A0, SEE DRAWING D208-160.skf

PORT DMP MONITOR



CABLE CONNECTION B



ALL SIZES IN MM
AMERICAN PROJECTION STYLE

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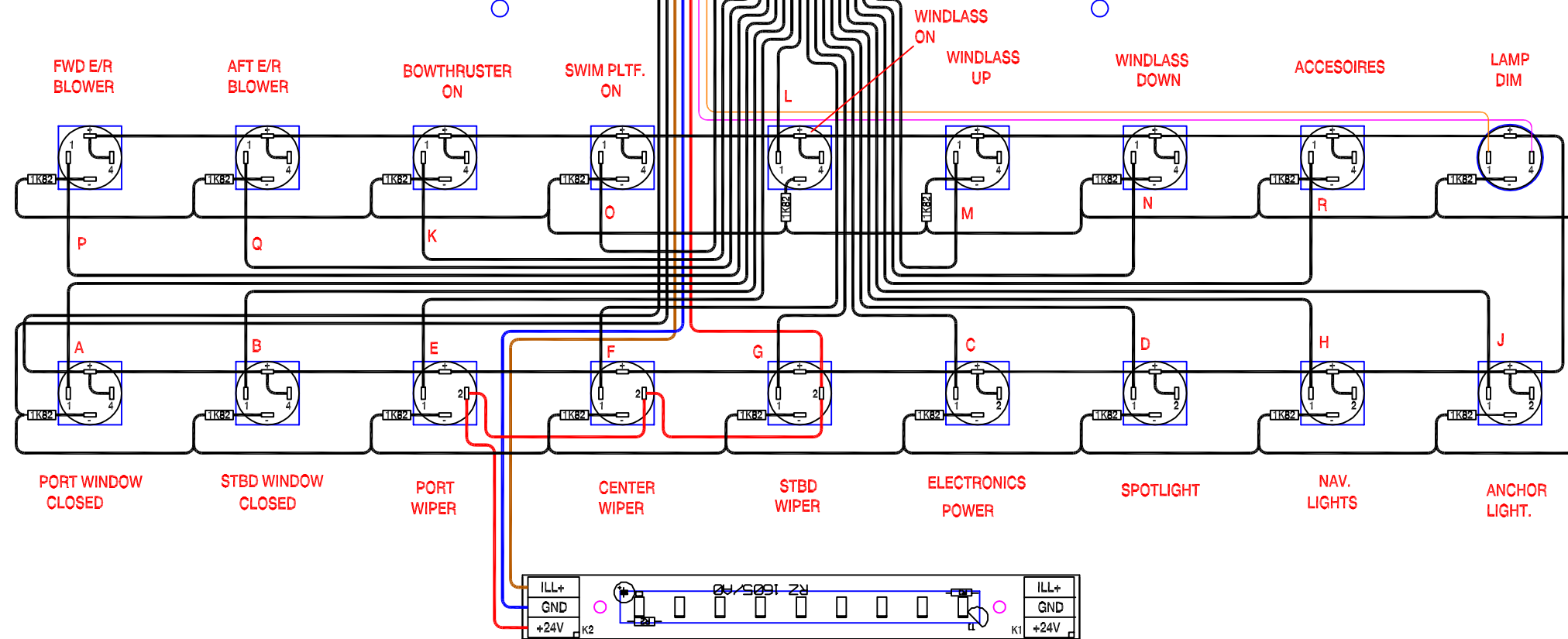
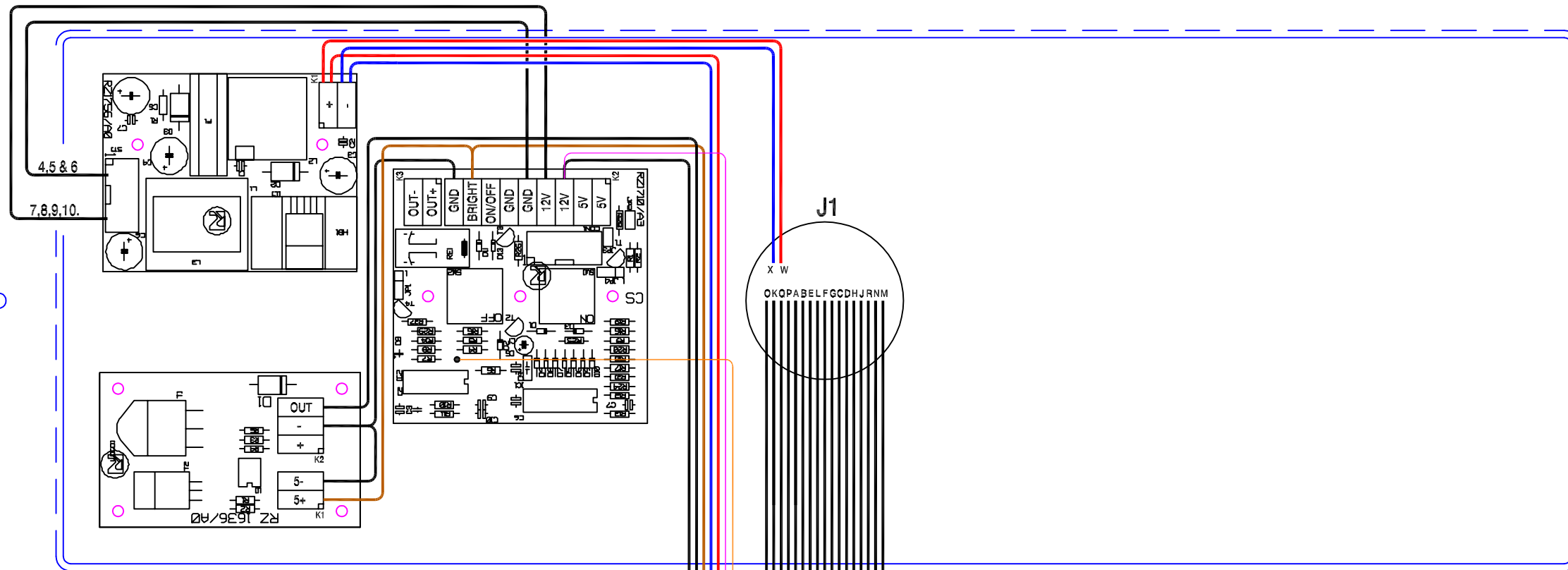
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D208 SEARAY 680 HT

CONTROL PANEL
WIRING DETAILS MONITOR CONTROL PCB's

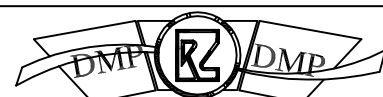
Mr. P.d.S.	A3	01 of 01	A
december-2000	N:\ACAD\D208\SCHEMA\D208-140.skf		



COMMENTS: ALL SIZES IN MM
AMERICAN PROJECTION STYLE

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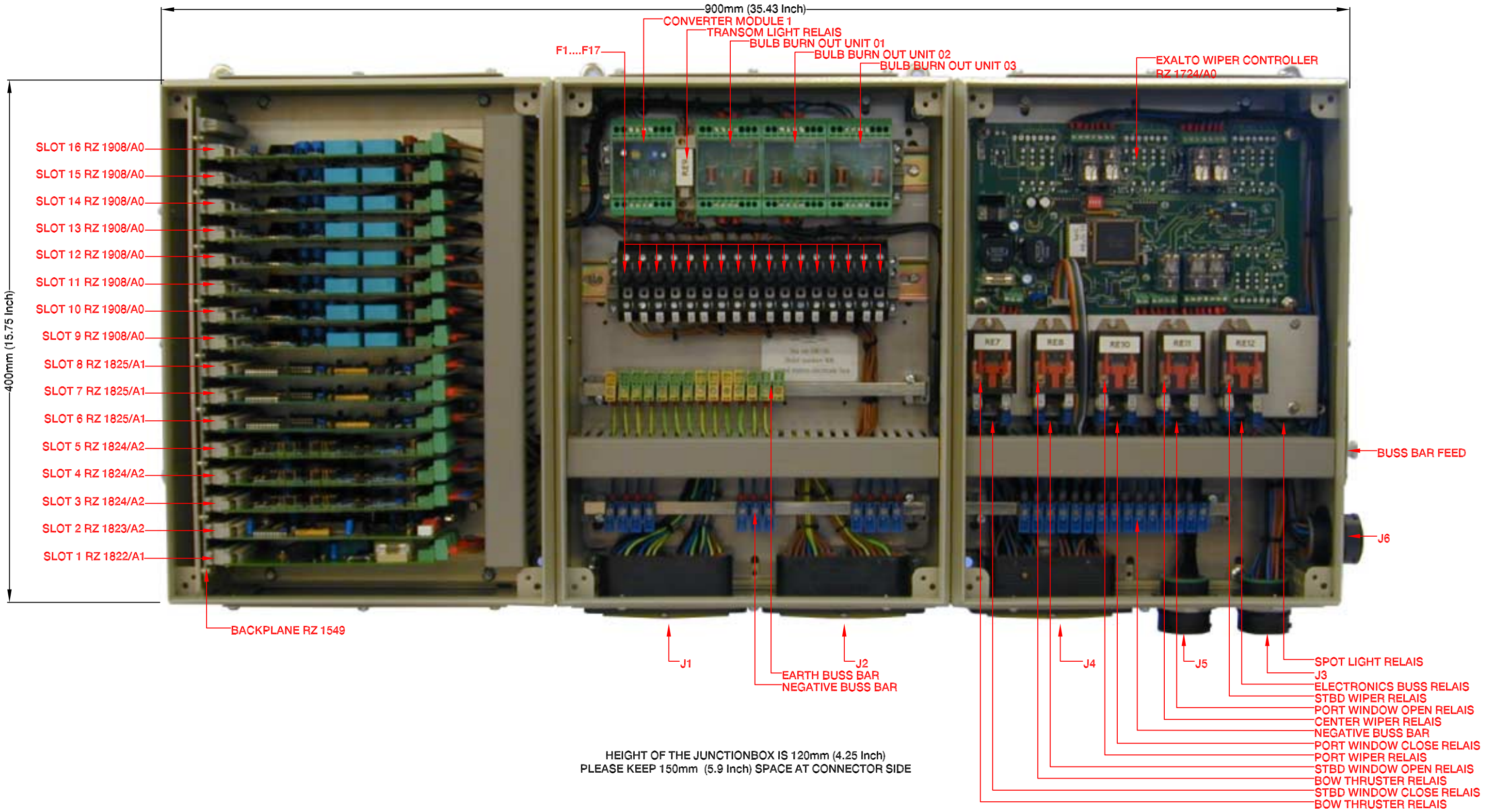
RADIO ZEELAND DMP B.V.
Industrieweg 17
4538 AG Terneuzen
The Netherlands
Tel: +31 115 645400 Fax: +31 115 620040

Project: SEARAY 680 HT

Part: EMERGENCY BACKUP PANEL CONNECTION DIAGRAM

Drawn: M.Martinet Size: A3 Page: 01 of 01 Revision number: A

Date: 13-04-2000 File name: N:\ACAD\208\SCHEMAD\208-60.DWG



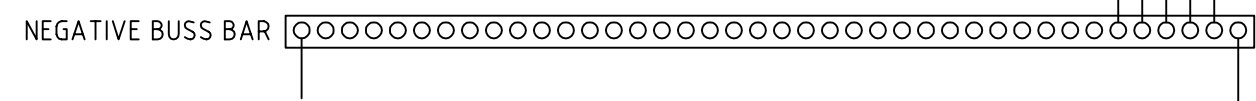
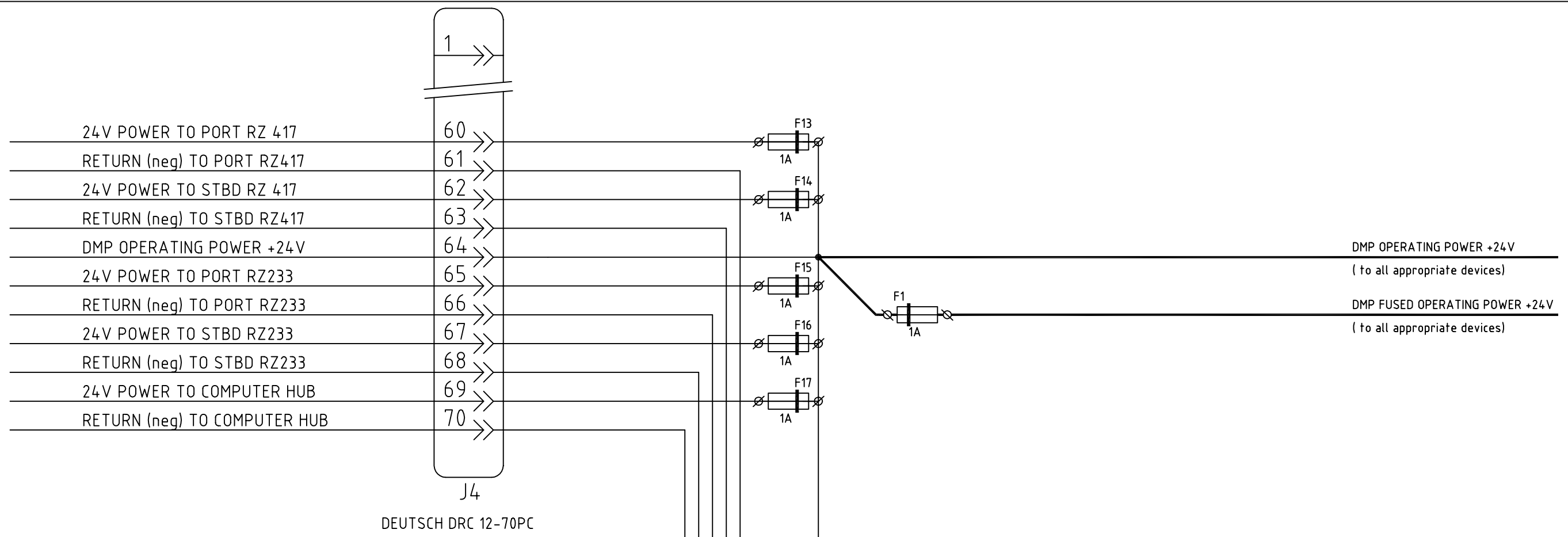
COMMENTS: ALL SIZES IN MM
 AMERICAN PROJECTION STYLE

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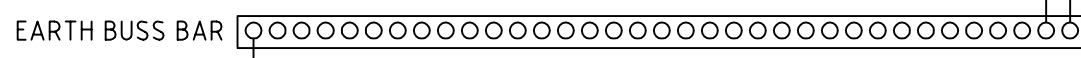
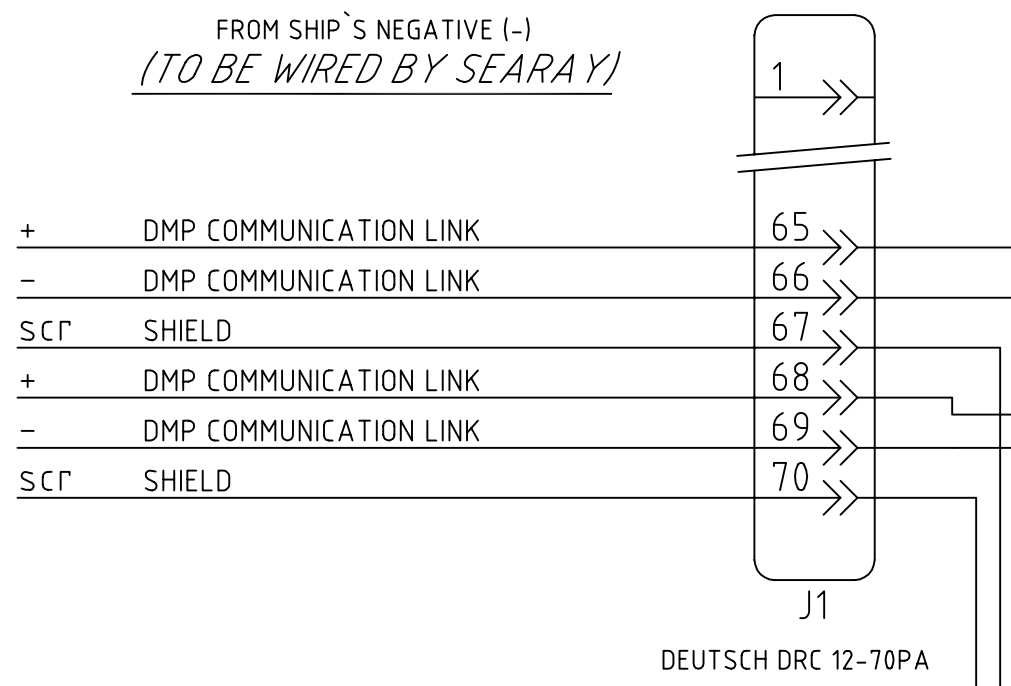
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Project:	SEARAY 680 SS		
Part:	CONTROL STATION JUNCTIONBOX		
Drawn:	M.Martinet	Size: A3	Page: 01 of 01
Date:	03-01-2003	Revision number:	B
File name: \\NAACAD\208\SCHEMA\CONT.. STAT.. JUNCTIONBOX_revB.DWG			

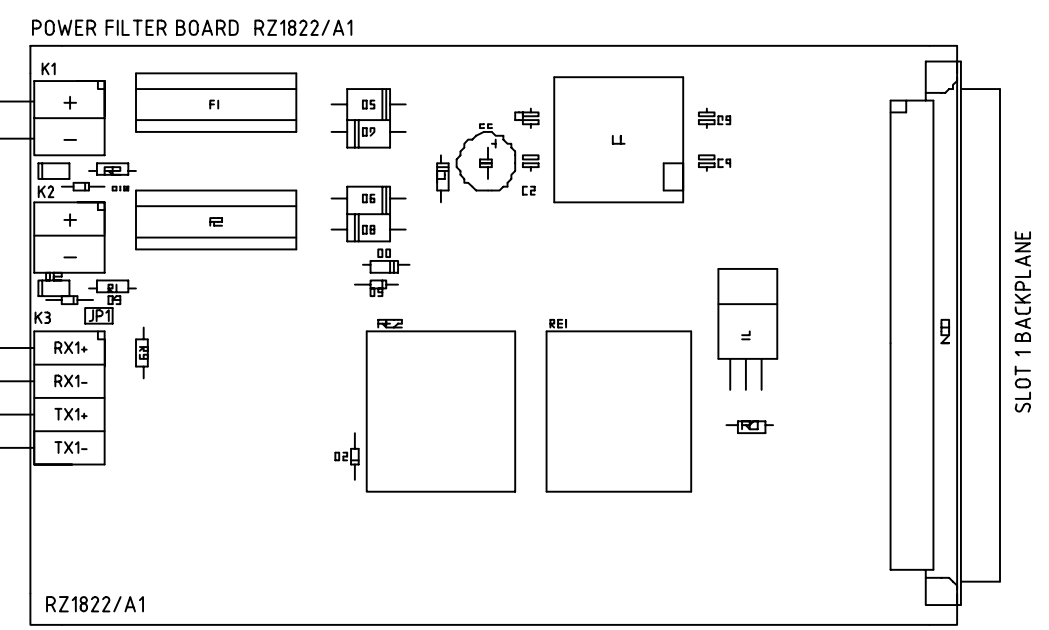


FROM SHIP'S NEGATIVE (-)
(TO BE WIRED BY SEARAY)



(JUNCTIONBOX CHASSIS)

TO DRAWING D208-17.DWG (b)
TO DRAWING D208-17.DWG (a)



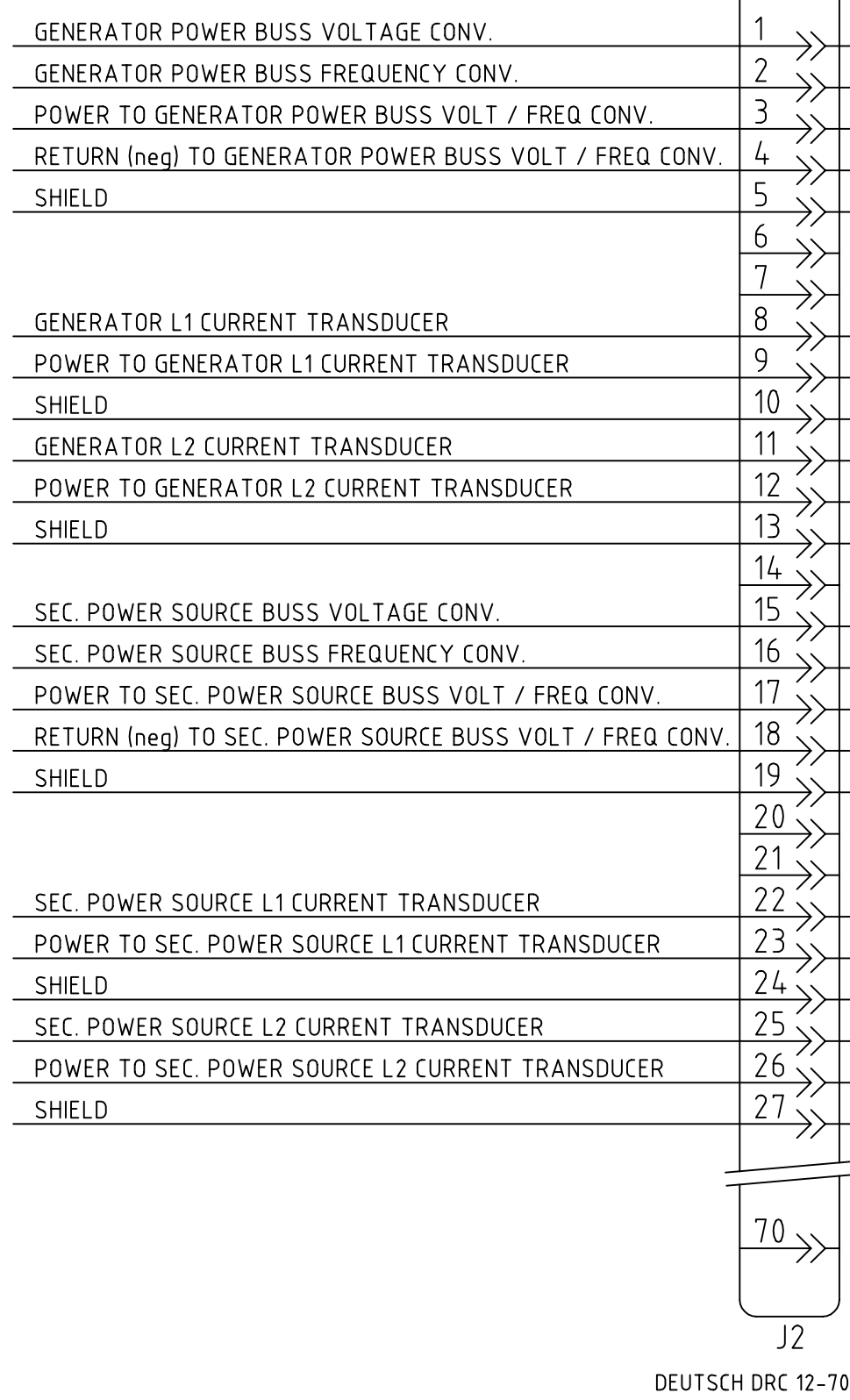
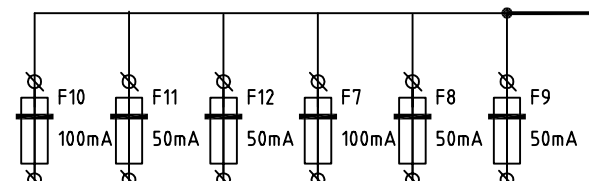
COMMENTS: ALL SIZES IN MM
AMERICAN PROJECTION STYLE

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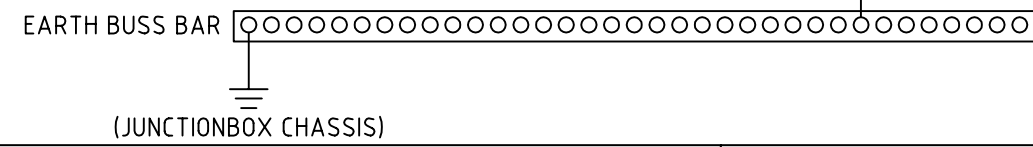
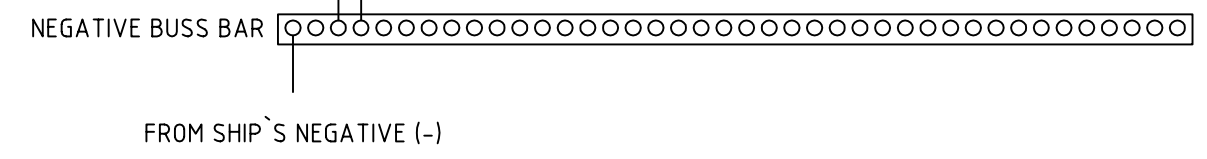
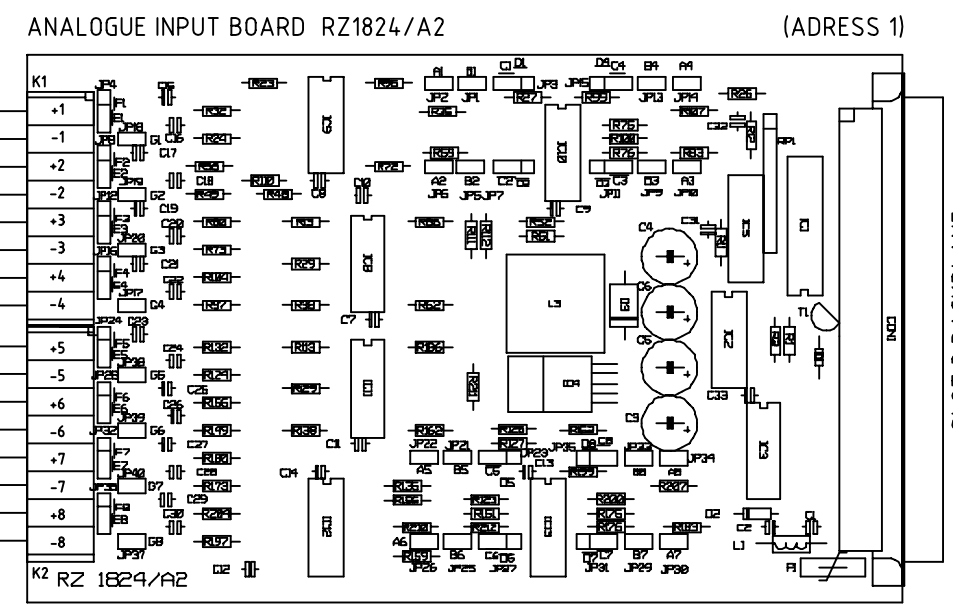
Project:	SEARAY 680 SS		
Part:	CONTROL STATION junction box POWER DISTRIBUTION & COMMUNICATION		
Drawn:	M.Martinet	Size: A3	Page: 01 of 01
Date:	20-04-2000	Revision number:	B
File name:	N:\ACAD\2008\SCHEMAD\0208-02_revB.DWG		



jumper settings

channel number	A	B	C	D	E	F	G
1	X		X		X		
2	X		X		X		
3	X		X		X		
4	X		X		X		
5	X		X		X		
6	X		X		X		
7	X		X		X		
8	X		X		X		

X= jumper present



COMMENTS: ALL SIZES IN MM AMERICAN PROJECTION STYLE

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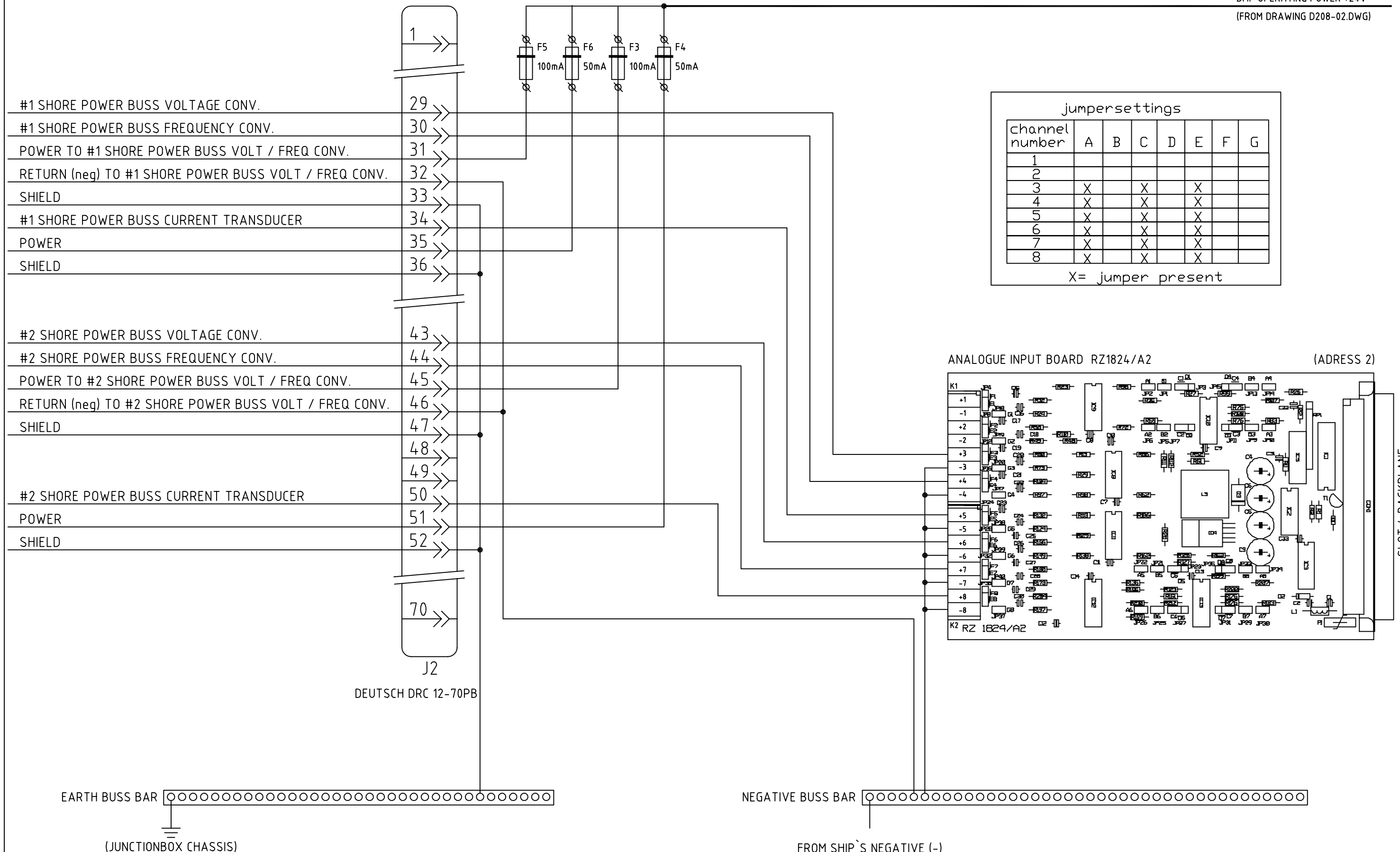


Project: SEARAY 680 SS

Part: CONTROL STATION junction box SLOT 3 ANALOGUE INPUT BOARD

Drawn: M.Martinet Size: A3 Page: 01 of 01 Revision number: A

Date: 20-04-2000 File name: N:\ACAD\208\SCHEMAD\208-03.DWG



jumper settings

channel number	A	B	C	D	E	F	G
1							
2							
3	X		X		X		
4	X		X		X		
5	X		X		X		
6	X		X		X		
7	X		X		X		
8	X		X		X		

X= jumper present

COMMENTS: ALL SIZES IN MM
AMERICAN PROJECTION STYLE

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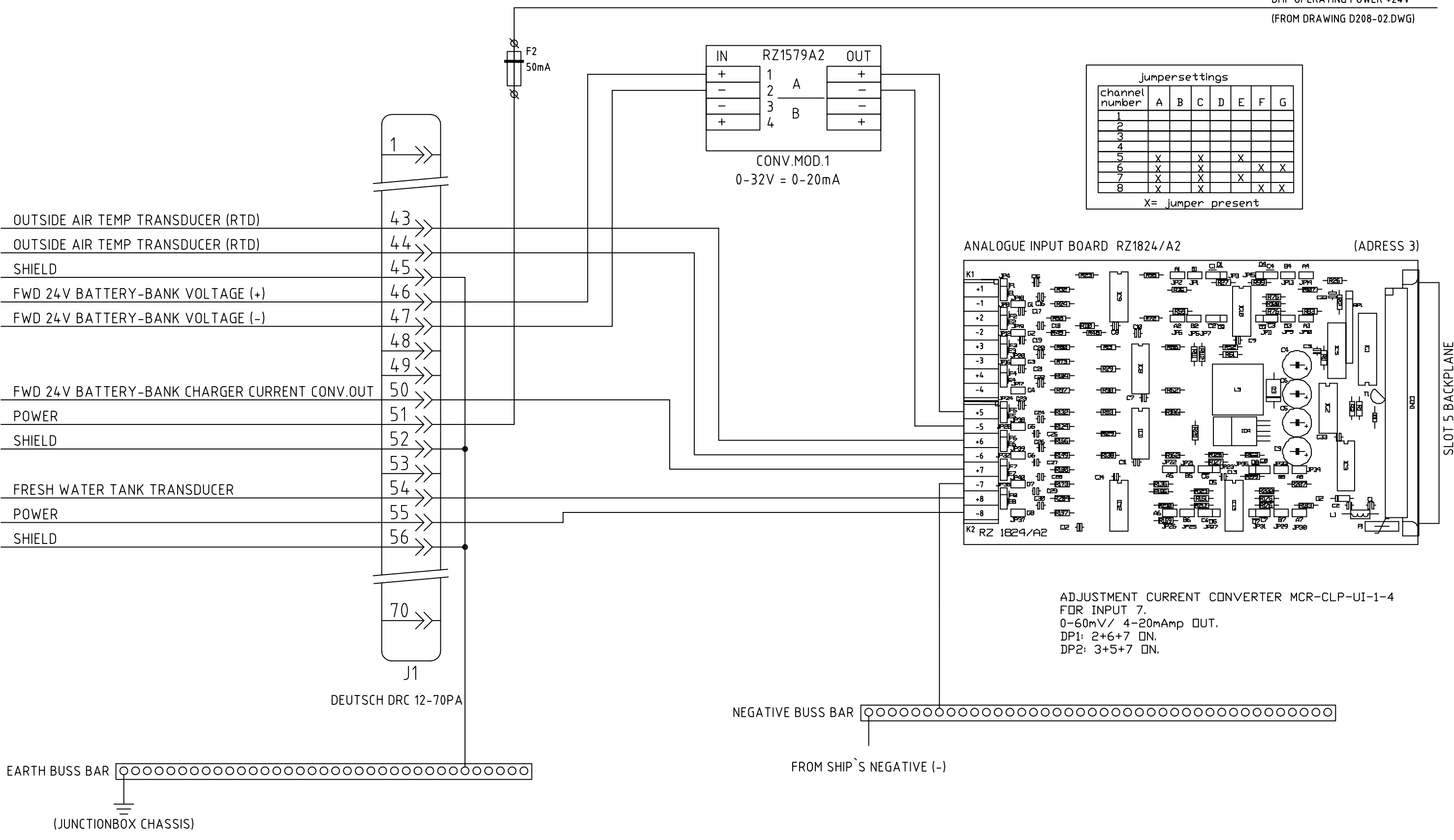


Project: SEARAY 680 SS

Part: CONTROL STATION junction box SLOT 4 ANALOGUE INPUT BOARD

Drawn: M.Martinet Size: A3 Page: 01 of 01 Revision number: A

Date: 20-04-2000 File name: N:\ACAD\208\SCHEMAD\208-04.DWG



COMMENTS: ALL SIZES IN MM
AMERICAN PROJECTION STYLE

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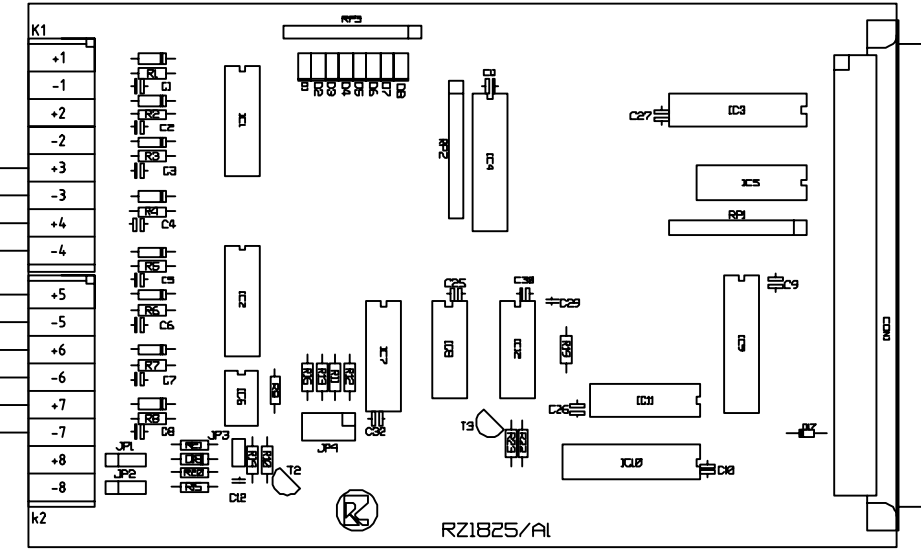
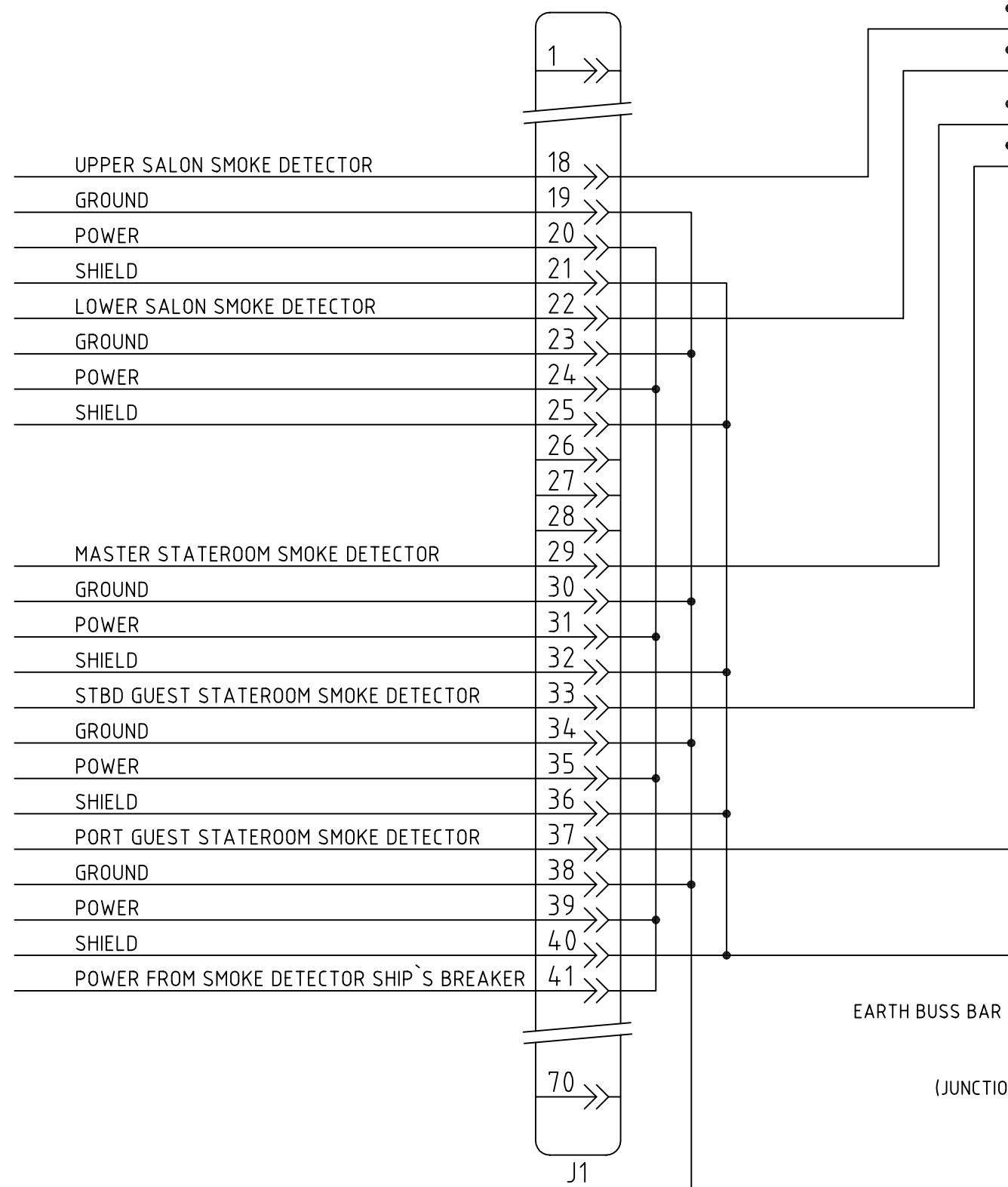
Project: SEARAY 680 SS

Part: CONTROL STATION junction box SLOT 5 ANALOGUE INPUT BOARD

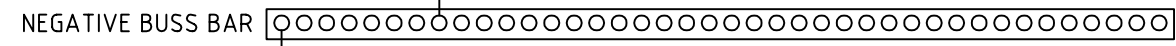
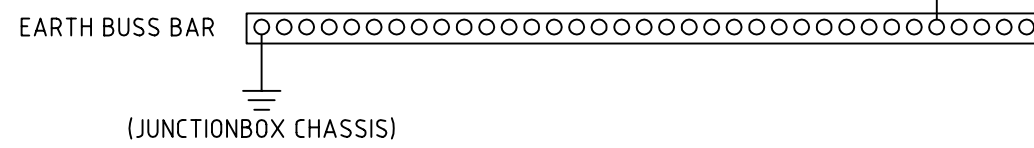
Drawn: M.Martinet Size: A3 Page: 01 of 01 Revision number: A

Date: 20-04-2000 File name: N:\ACAD\208\SCHEMAD\208-05.DWG

DMP FUSED OPERATING POWER +24 V
(FROM DRAWING D208-02.DWG)



jumpersettings
 JP1: 1-2
 JP2: 1-2
 JP3: none.
 JP4: none.



FROM SHIP'S NEGATIVE (-)

COMMENTS: ALL SIZES IN MM
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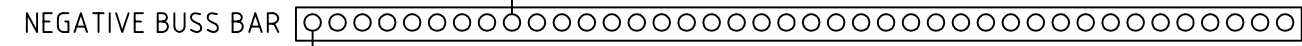
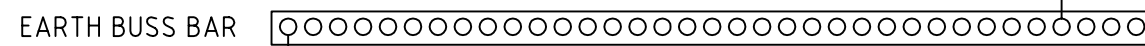
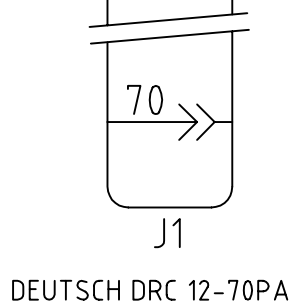
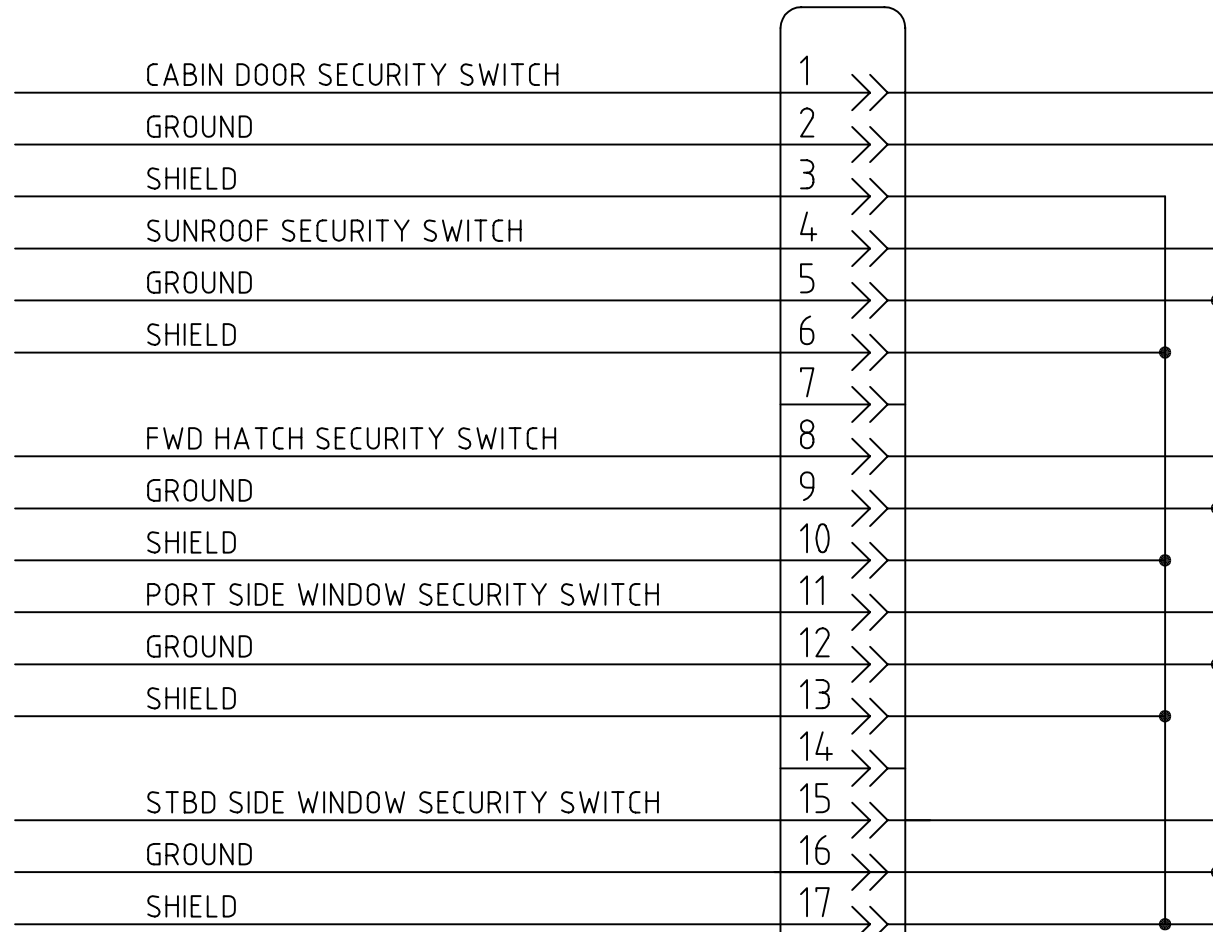


Project:		SEARAY 680 SS					
Part:		CONTROL STATION junction box SLOT 6 DIGITAL INPUT BOARD					
Drawn:	M.Martinet	Size:	A3	Page:	01 of 01	Revision number:	A
Date:	20-04-2000	File name:	N:\ACAD\208\SCHEMAD\208-06.DWG				

FROM DRAWING D208-15.DWG (a)

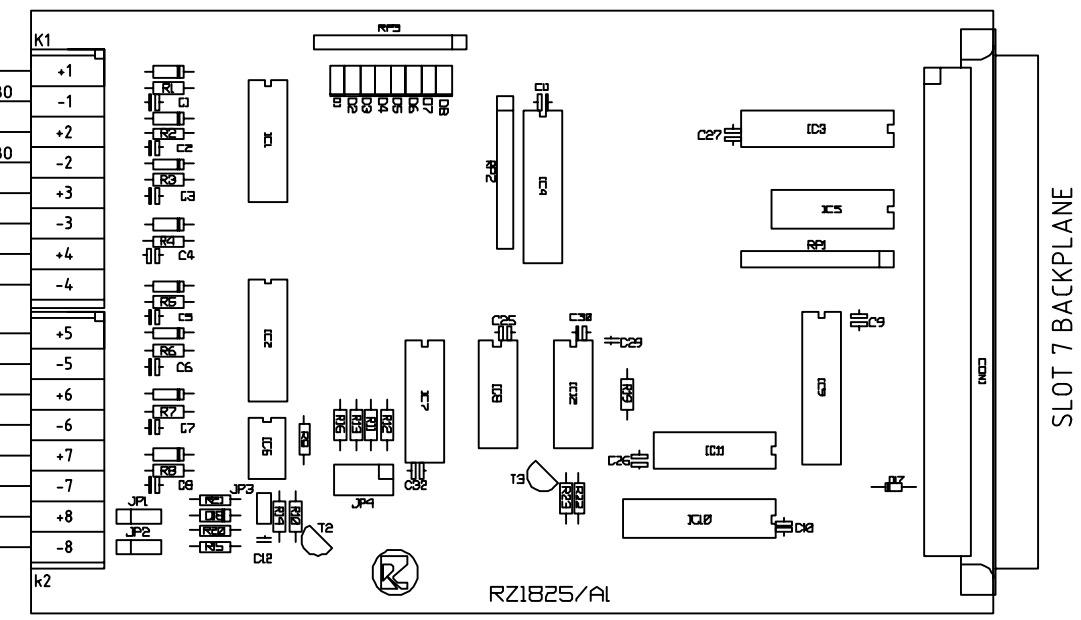
FROM DRAWING D208-15.DWG (b)

FROM DRAWING D208-15.DWG (c)



FROM SHIP'S NEGATIVE (-)

DIGITAL INPUT BOARD RZ1825/A1 (ADDRESS 5)



Jumpersettings
 JP1: 1-2
 JP2: 1-2
 JP3: none.
 JP4: none.

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Project: SEARAY 680 SS	
Part: CONTROL STATION junction box SLOT 7 DIGITAL INPUT BOARD	
Drawn: M.Martinet	Size: A3 Page: 01 of 01 Revision number: A
Date: 20-04-2000	File name: N:\ACAD\D208\SCHEMAD\0208-07.DWG

DMP FUSED OPERATING POWER +24V

(FROM DRAWING D208-02.DWG)

FROM DRAWING D208-15.DWG (d)

FROM DRAWING D208-15.DWG (e)

WINDLASS POWER AVAILABLE

BOW THRUSTER POWER AVAILABLE

No. 1 ANTENNA POSITION UP

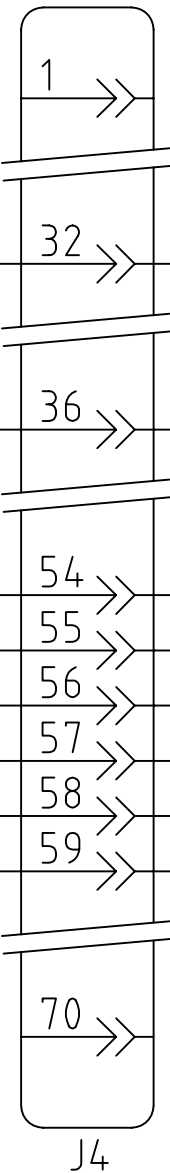
No. 1 ANTENNA POSITION DOWN

No. 1 ANTENNA POSITION COMMON

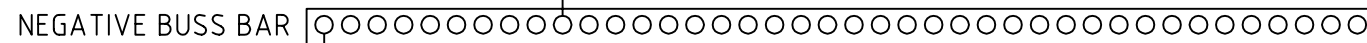
No. 2 ANTENNA POSITION UP

No. 2 ANTENNA POSITION DOWN

No. 2 ANTENNA POSITION COMMON



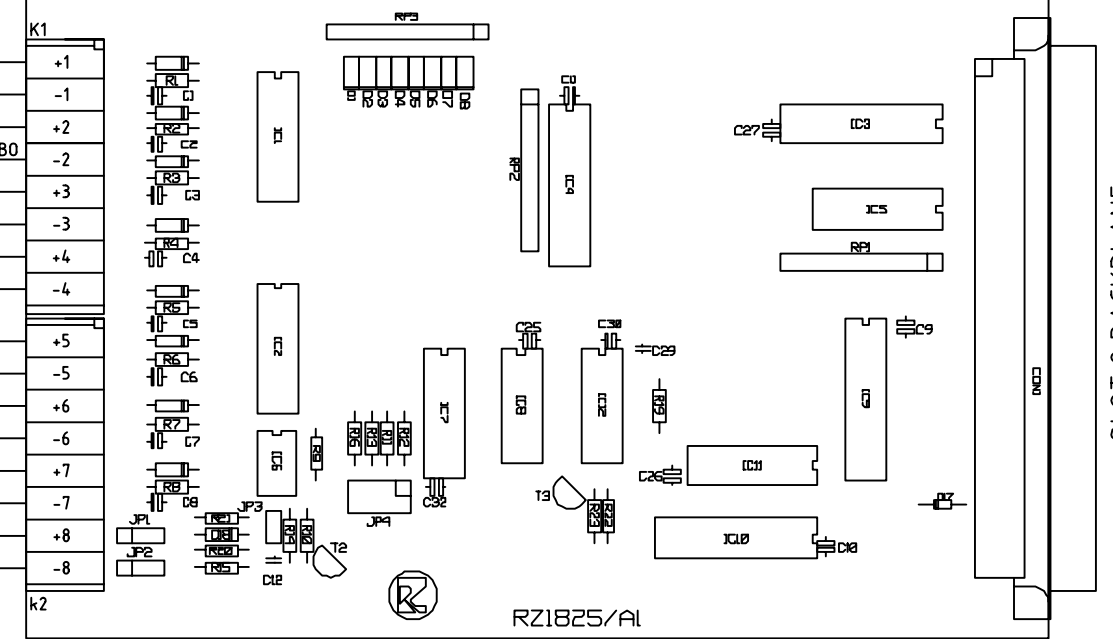
DEUTSCH DRC 12-70PC



FROM SHIP'S NEGATIVE (-)

DIGITAL INPUT BOARD RZ1825/A1

(ADDRESS 6)



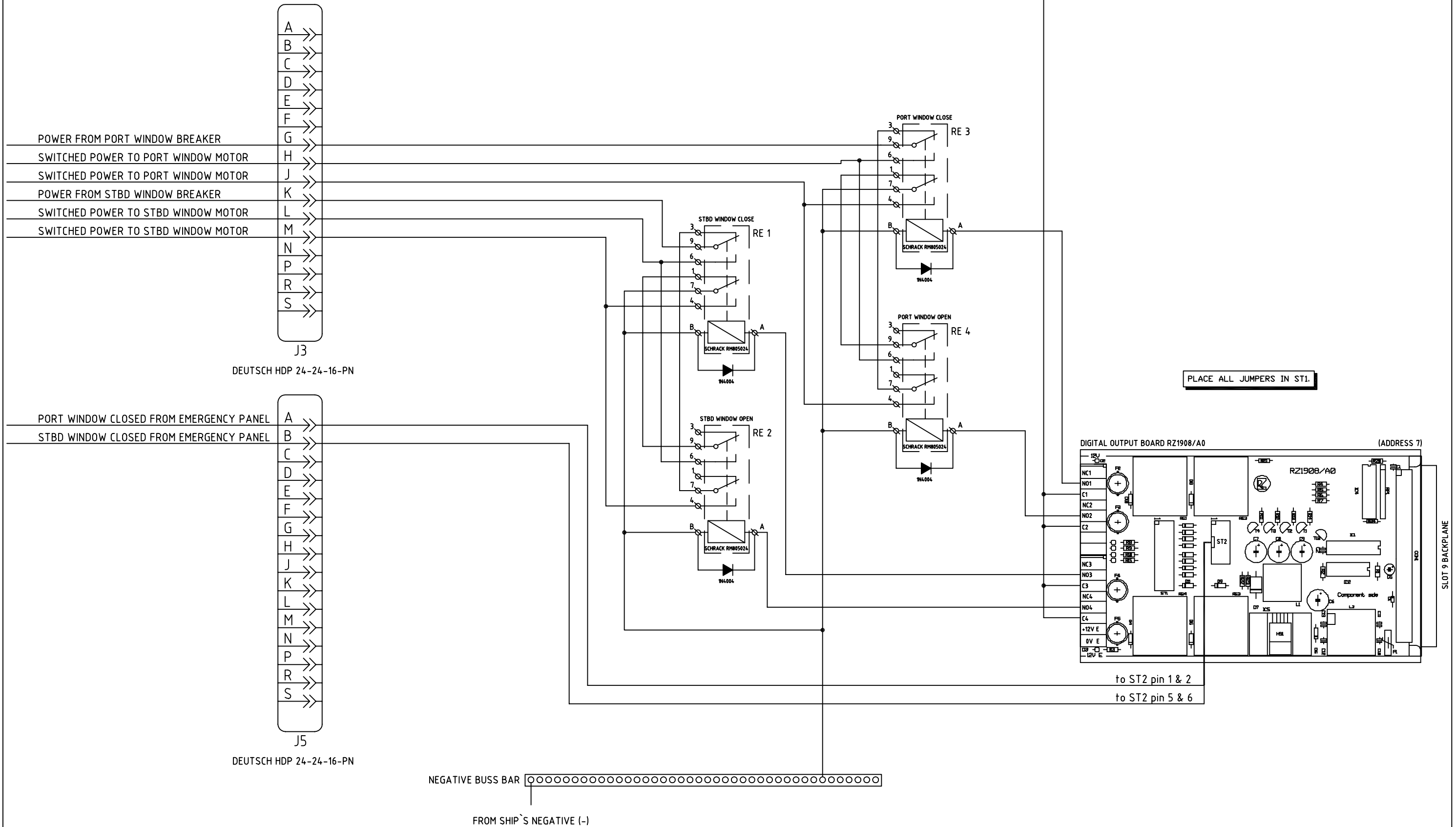
jumpersettings
JP1: 1-2
JP2: 1-2
JP3: none.
JP4: none.

COMMENTS: ALL SIZES IN MM AMERICAN PROJECTION STYLE
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Project: SEARAY 680 SS
Part: CONTROL STATION junction box SLOT 8 DIGITAL INPUT BOARD
Drawn: M.Martinet Size: A3 Page: 01 of 01 Revision number: A
Date: 20-04-2000 File name: N:\ACAD\D208\SCHEMAD\0208-08.DWG

DMP OPERATING POWER 24V
(FROM DRAWING D208-02.DWG)



COMMENTS: ALL SIZES IN MM
AMERICAN PROJECTION STYLE

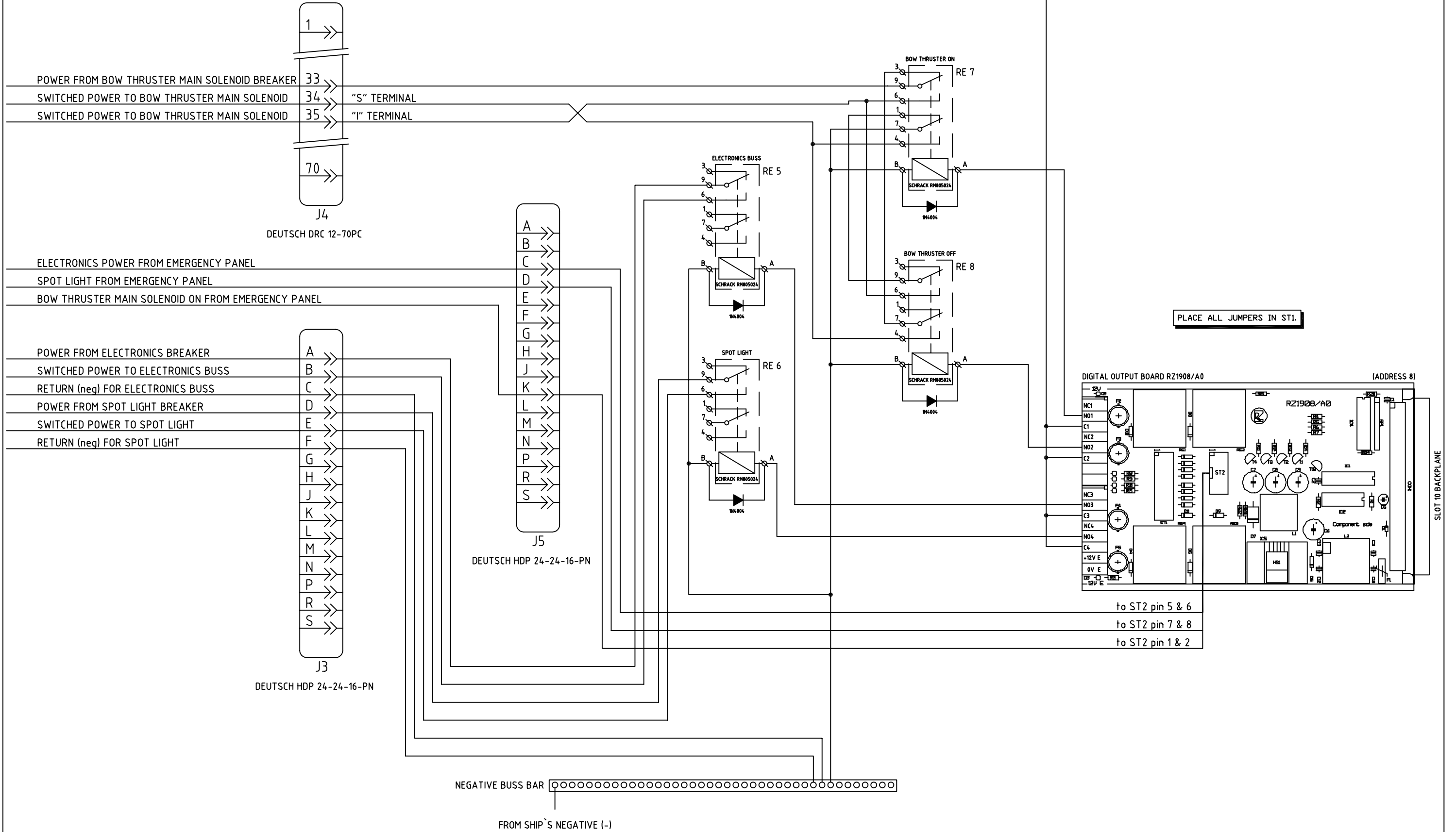
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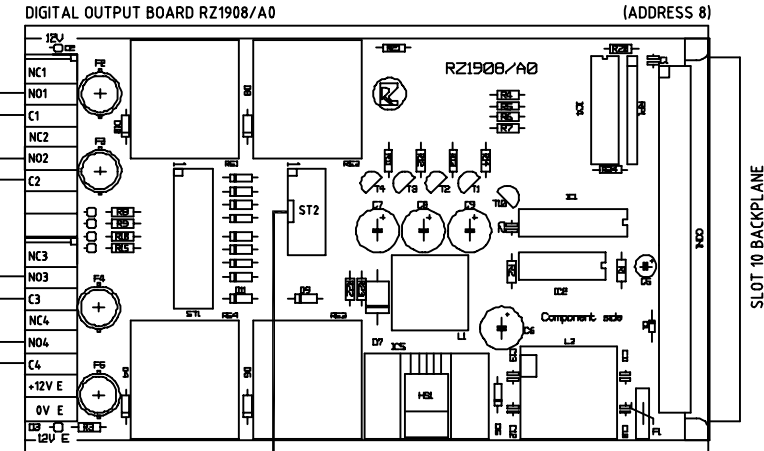


Project:	SEARAY 680 SS		
Part:	CONTROL STATION junction box SLOT 9 RELAY OUTPUT		
Drawn:	M.Martinet	Size: A3	Page: 01 of 01
Date:	20-04-2000	Revision number:	A
File name:	N:\ACADD\208\SCHEMA\208-09.DWG		

DMP OPERATING POWER 24V
(FROM DRAWING D208-02.DWG)



PLACE ALL JUMPERS IN ST1.



to ST2 pin 5 & 6
to ST2 pin 7 & 8
to ST2 pin 1 & 2

COMMENTS: ALL SIZES IN MM
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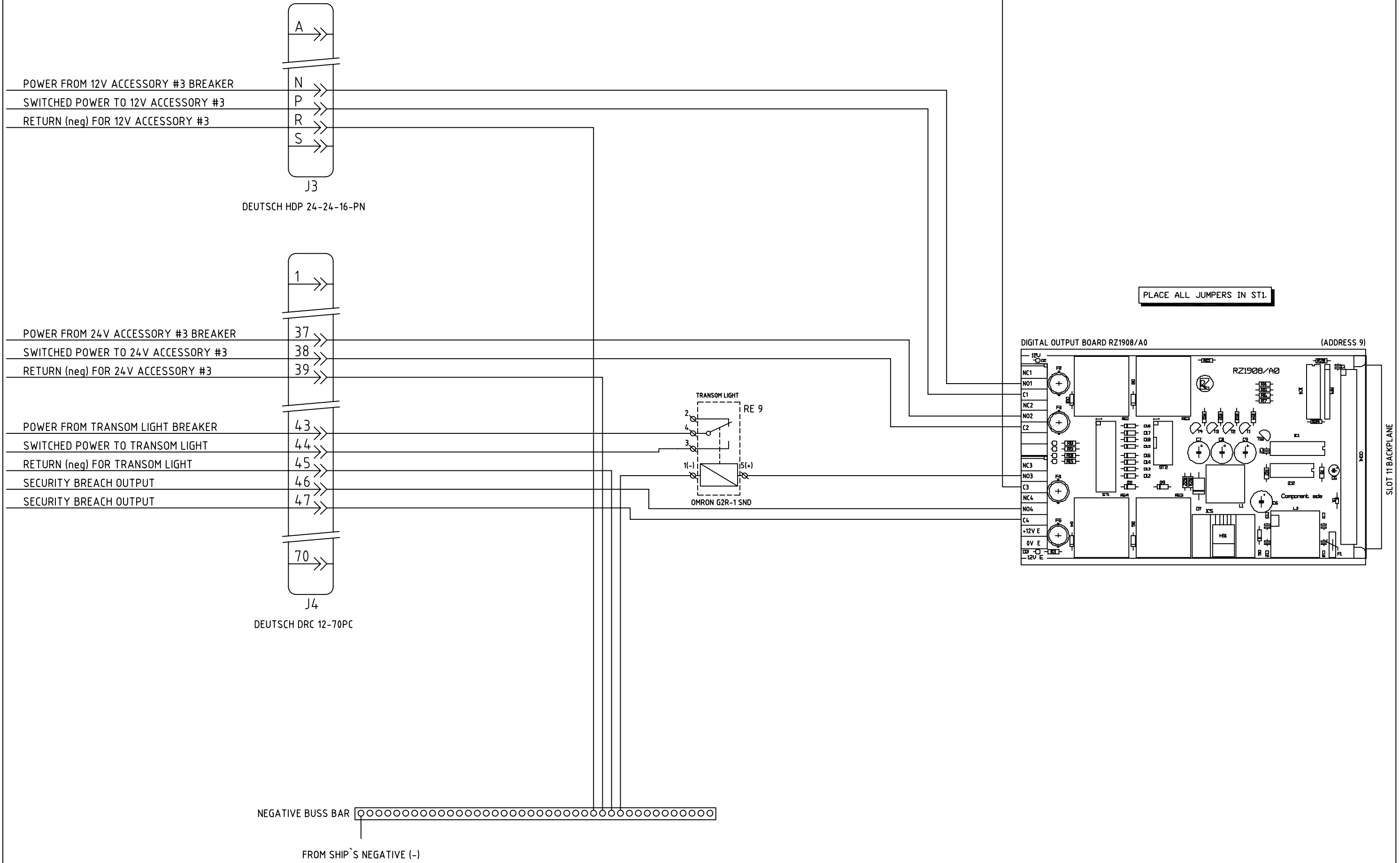
Project: SEARAY 680 SS

Part: CONTROL STATION junction box SLOT 10 RELAY OUTPUT

Drawn: M.Martinet Size: A3 Page: 01 of 01 Revision number: B

Date: 11-10-2002 File name: N:\ACAD\208\SCHEMA\208-10_revB.DWG

DMP OPERATING POWER 24V
 (FROM DRAWING D208-02.DWG)



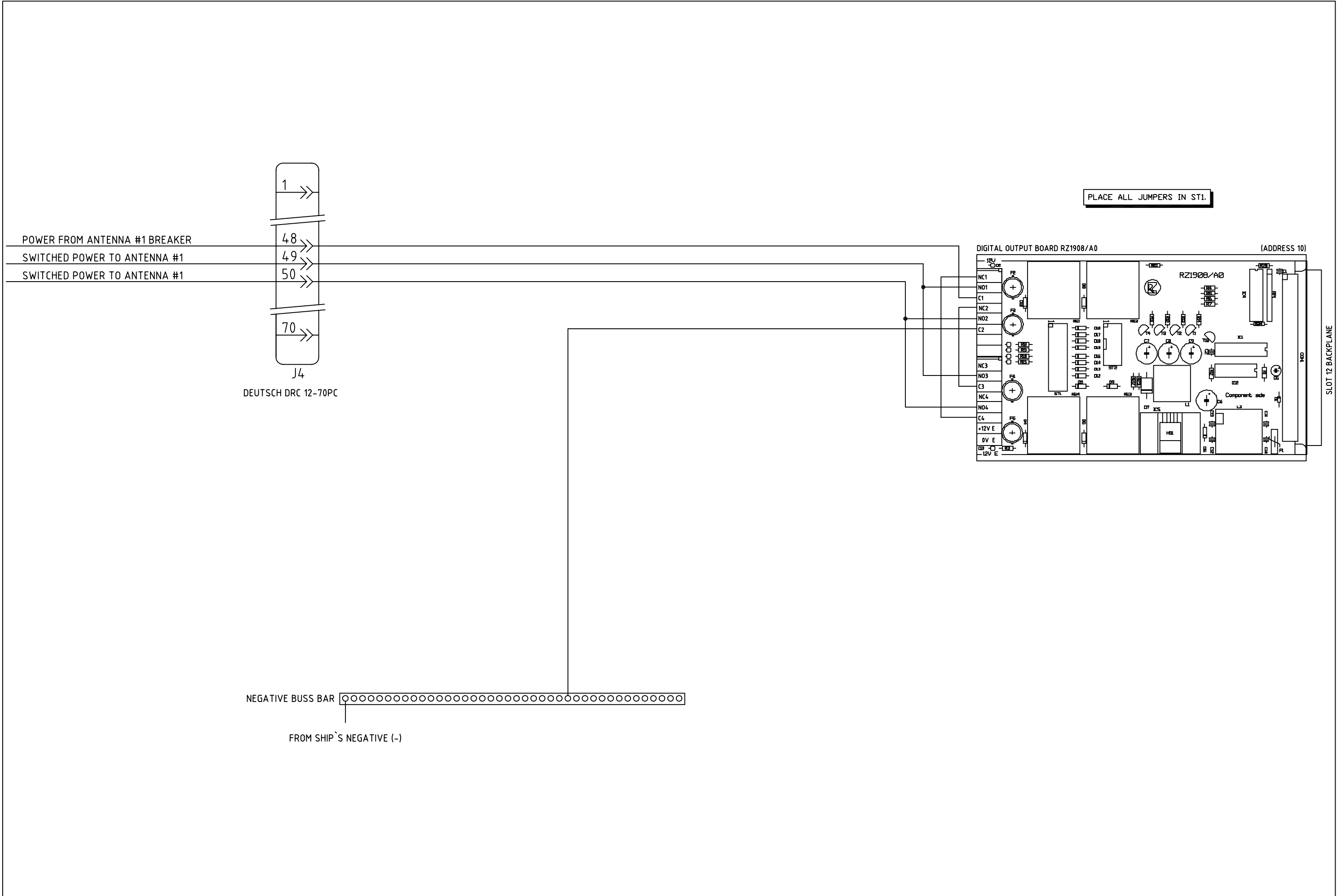
COMMENTS: ALL SIZES IN MM
 AMERICAN PROJECTION STYLE

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Project:	SEARAY 680 SS		
Part:	CONTROL STATION junction box SLOT 11 RELAY OUTPUT		
Drawn:	M.Martinet	Size: A3	Page: 01 of 01
Date:	20-04-2000	Revision number:	A
File name:	N:\ACAD\208\SCHEMAD\0208-11.DWG		



COMMENTS: ALL SIZES IN MM
AMERICAN PROJECTION STYLE

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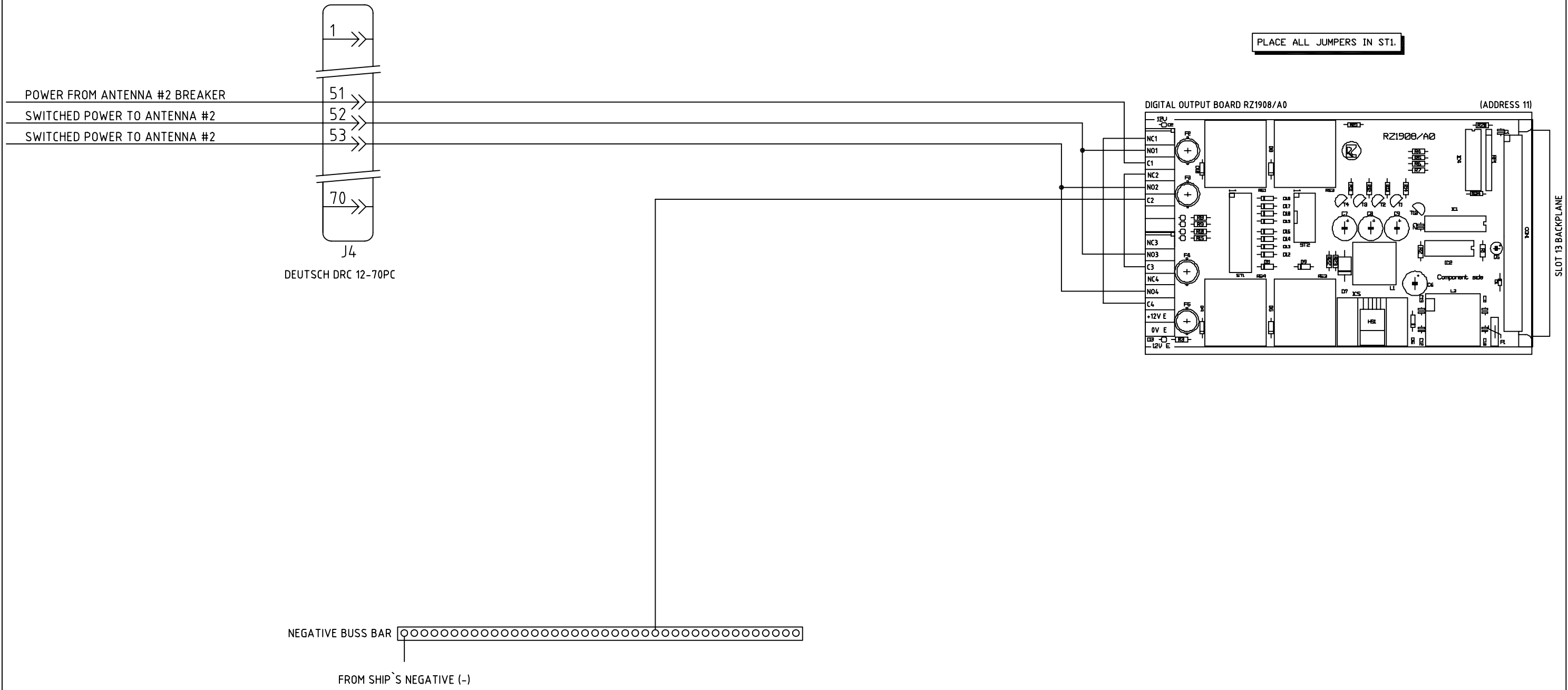


Project: SEARAY 680 SS

Part: CONTROL STATION junction box SLOT 12 RELAY OUTPUT

Drawn: M.Martinet Size: A3 Page: 01 of 01 Revision number: A

Date: 20-04-2000 File name: N:\ACAD\208\SCHEMAD\0208-12.DWG



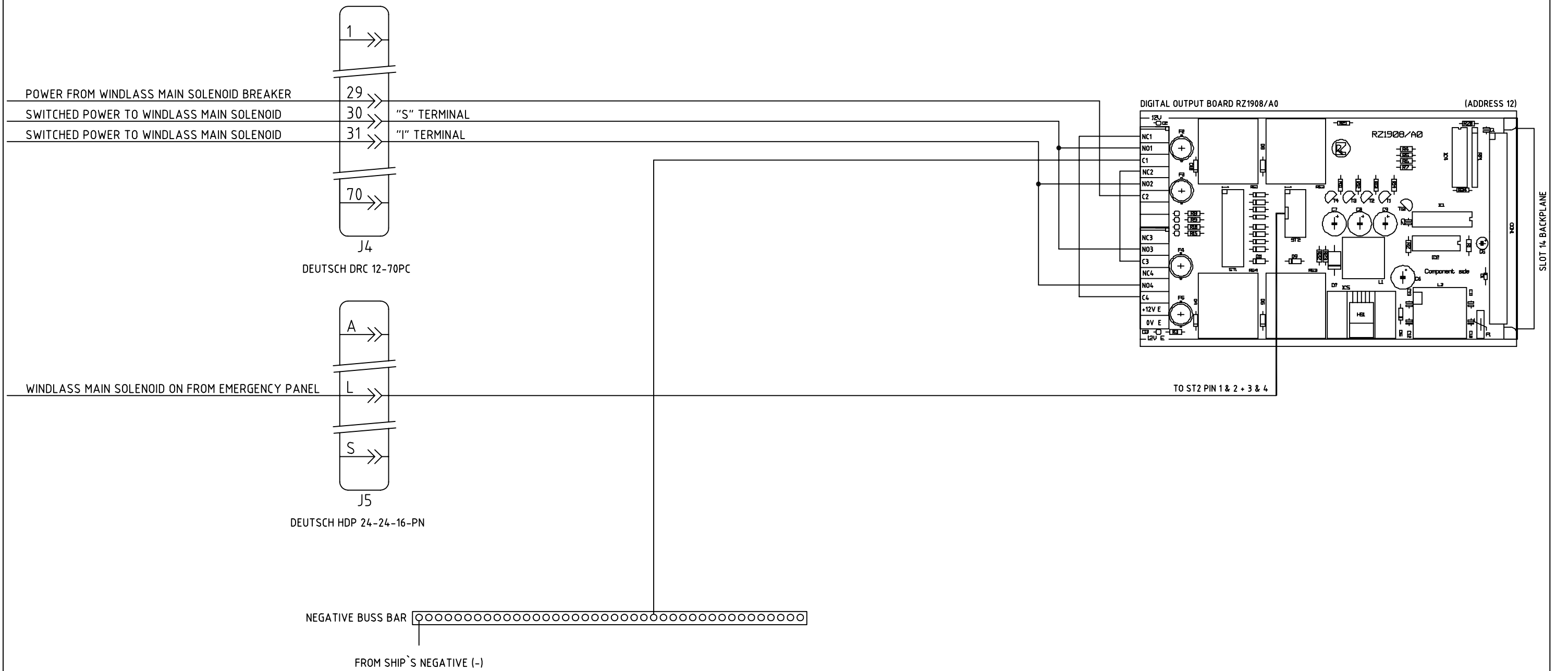
COMMENTS: ALL SIZES IN MM
AMERICAN PROJECTION STYLE

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Project:		SEARAY 680 SS		
Part:		CONTROL STATION junction box SLOT 13 RELAY OUTPUT		
Drawn:	M.Martinet	Size:	A3	Page: 01 of 01
Date:	20-04-2000	Revision number:	A	
File name:		N:\ACAD\208\SCHEMAD\0208-13.DWG		



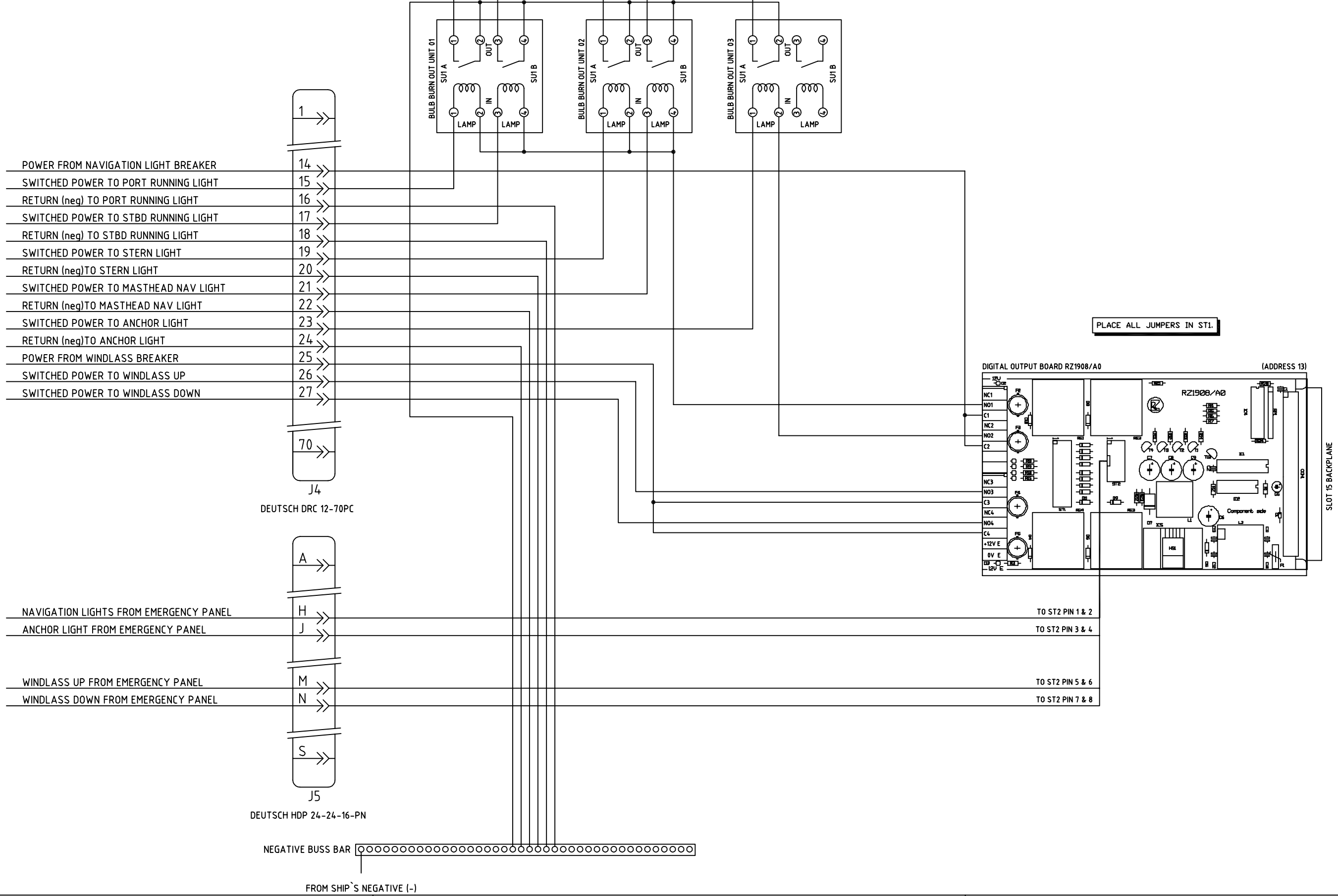
COMMENTS: ALL SIZES IN MM
AMERICAN PROJECTION STYLE

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Project:	SEARAY 680 SS		
Part:	CONTROL STATION junction box SLOT 14 RELAY OUTPUT		
Drawn:	M.Martinet	Size: A3	Page: 01 of 01
Date:	20-04-2000	Revision number:	A
File name:	N:\ACAD\208\SCHEMAD\208-14.DWG		



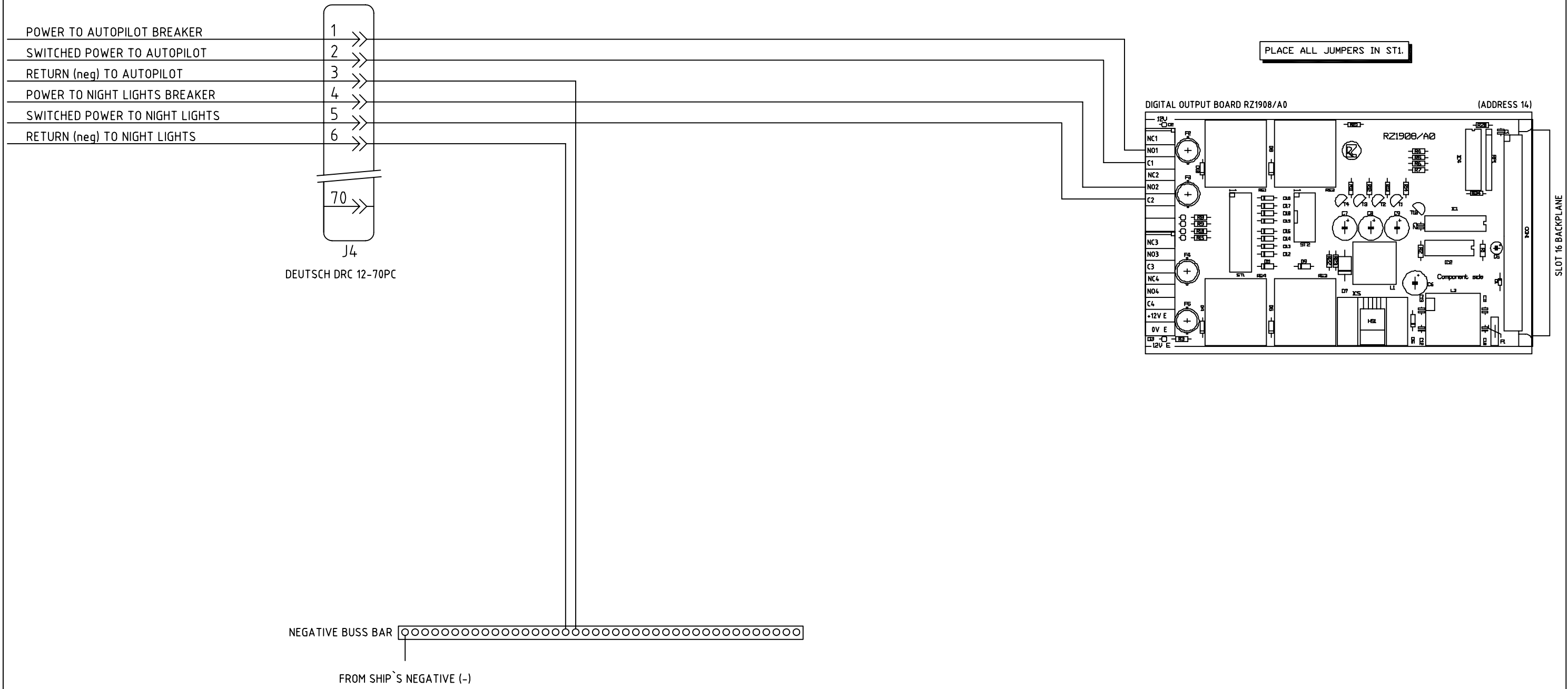
COMMENTS: ALL SIZES IN MM
 AMERICAN PROJECTION STYLE

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Project:	SEARAY 680 SS		
Part:	CONTROL STATION junction box SLOT 15 RELAY OUTPUT		
Drawn:	M.Martinet	Size: A3	Page: 01 of 01
Date:	20-04-2000	File name:	N:\ACAD\208\SCHEMAD\208-15.DWG
		Revision number:	A



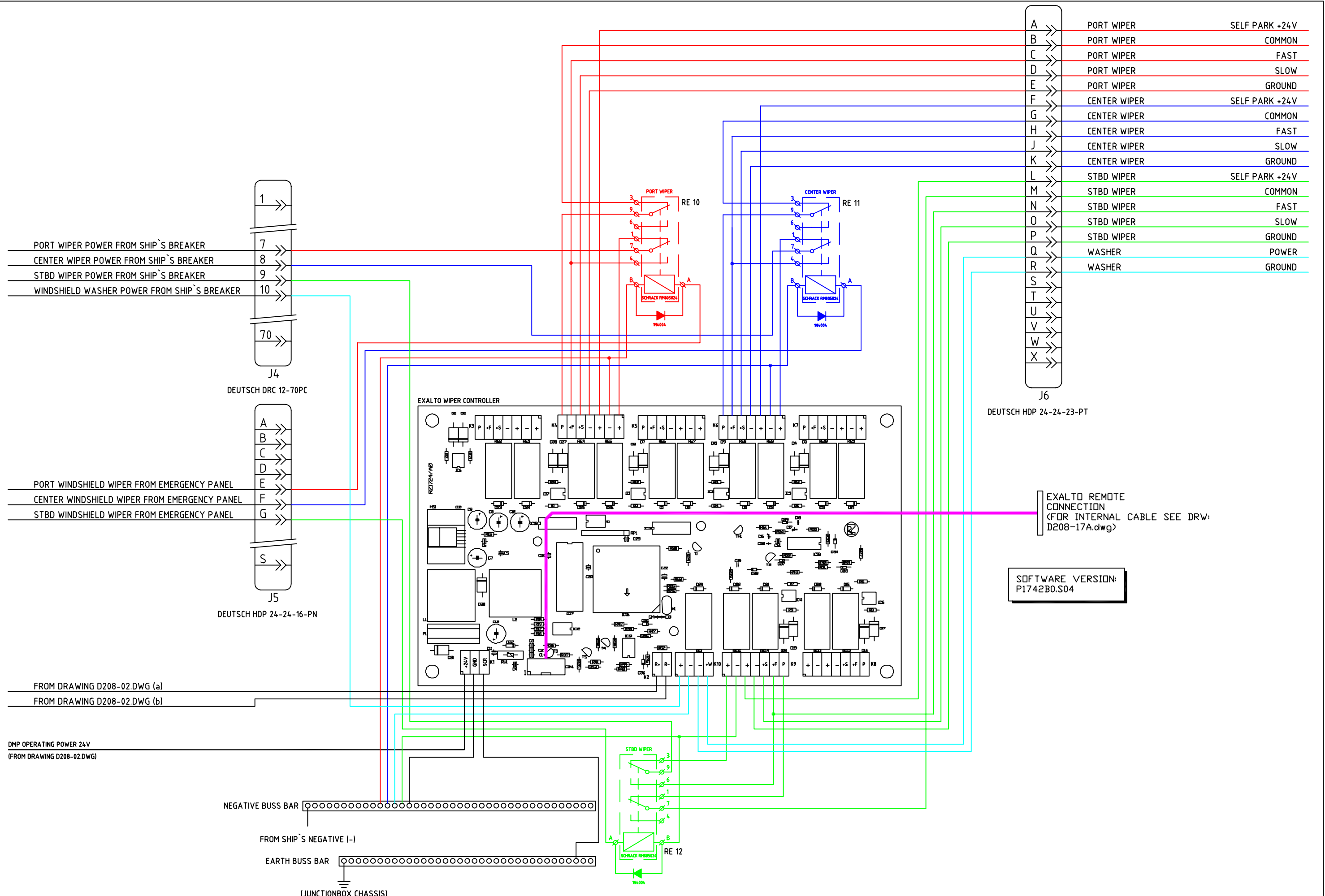
COMMENTS: ALL SIZES IN MM
AMERICAN PROJECTION STYLE

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Project:		SEARAY 680 SS		
Part:		CONTROL STATION junction box SLOT 16 RELAY OUTPUT		
Drawn:	M.Martinet	Size:	A3	Page: 01 of 01
Date:	20-04-2000	Revision number:	A	
File name:		N:\ACAD\208\SCHEMAD\0208-16.DWG		



A	PORT WIPER	SELF PARK +24V
B	PORT WIPER	COMMON
C	PORT WIPER	FAST
D	PORT WIPER	SLOW
E	PORT WIPER	GROUND
F	CENTER WIPER	SELF PARK +24V
G	CENTER WIPER	COMMON
H	CENTER WIPER	FAST
J	CENTER WIPER	SLOW
K	CENTER WIPER	GROUND
L	STBD WIPER	SELF PARK +24V
M	STBD WIPER	COMMON
N	STBD WIPER	FAST
O	STBD WIPER	SLOW
P	STBD WIPER	GROUND
Q	WASHER	POWER
R	WASHER	GROUND
S		
T		
U		
V		
W		
X		

EXALTO REMOTE CONNECTION
(FOR INTERNAL CABLE SEE DRW: D208-17A.dwg)

SOFTWARE VERSION:
P1742B0.S04

COMMENTS: ALL SIZES IN MM
AMERICAN PROJECTION STYLE

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Project:	SEARAY 680 SS		
Part:	CONTROL STATION junction box EXALTO WIPERS		
Drawn:	M.Martinet	Size: A3	Page: 01 of 01
Date:	11-10-2002	Revision number:	B
File name:	N:\ACAD\208\SCHEMA\208-17_revB.DWG		

400mm (15.75inch)

600 mm (23.62inch)

CONVERTER
MODULE 3
CONVERTER
MODULE 2

RZ 1831/A1

NEGATIVE BUSS BAR
EARTH BUSS BAR

J2

BUSS BAR FEED

J1

SLOT 8 RZ1908/A0
SLOT 7 RZ1908/A0
SLOT 6 RZ1825/A1
SLOT 5 RZ1825/A1
SLOT 4 RZ1824/A2
SLOT 3 RZ1824/A2
SLOT 2 RZ1823/A2
SLOT 1 RZ1822/A1

BACKPLANE RZ1910/A0

FWD E/R BILGEPUMP RELAY
X1 with R1 & R2

CONVERTER MODULE 1

F3
F2
F1

HEIGHT OF THE JUNCTIONBOX IS 120mm (4.25 Inch)
PLEASE KEEP 150mm (5.9 Inch) SPACE AT CONNECTOR SIDE

COMMENTS: ALL SIZES IN MM
AMERICAN PROJECTION STYLE

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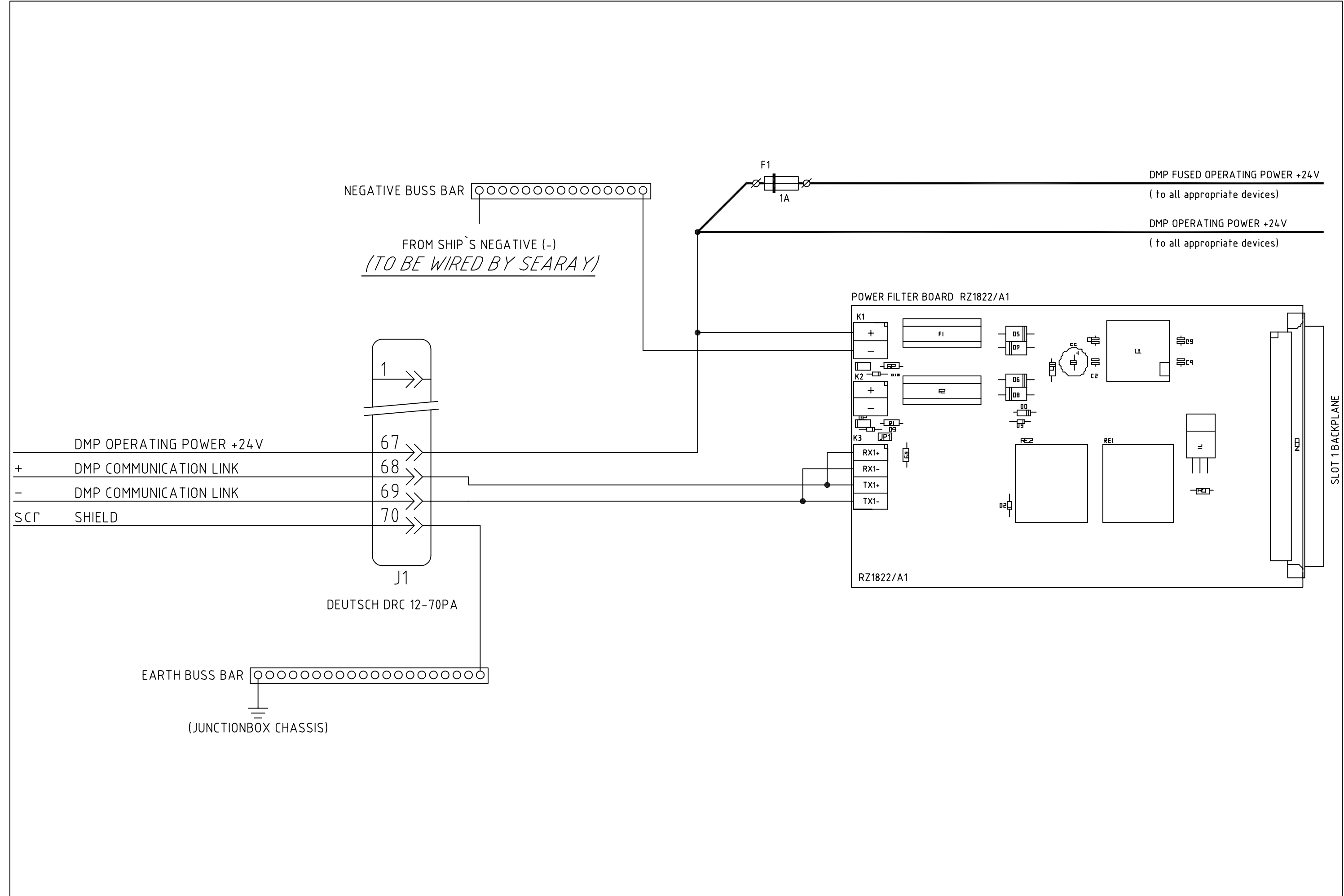


Project: SEARAY 680 SS

Part: PORT ENGINE ROOM junctionbox

Drawn: P.d.S. Size: A3 Page: 01 of 01 Revision number: A

Date: jbruary-2003 File name: N:\ACADD208\SCHEMA\PORT JUNCTIONBOX_revB.DWG



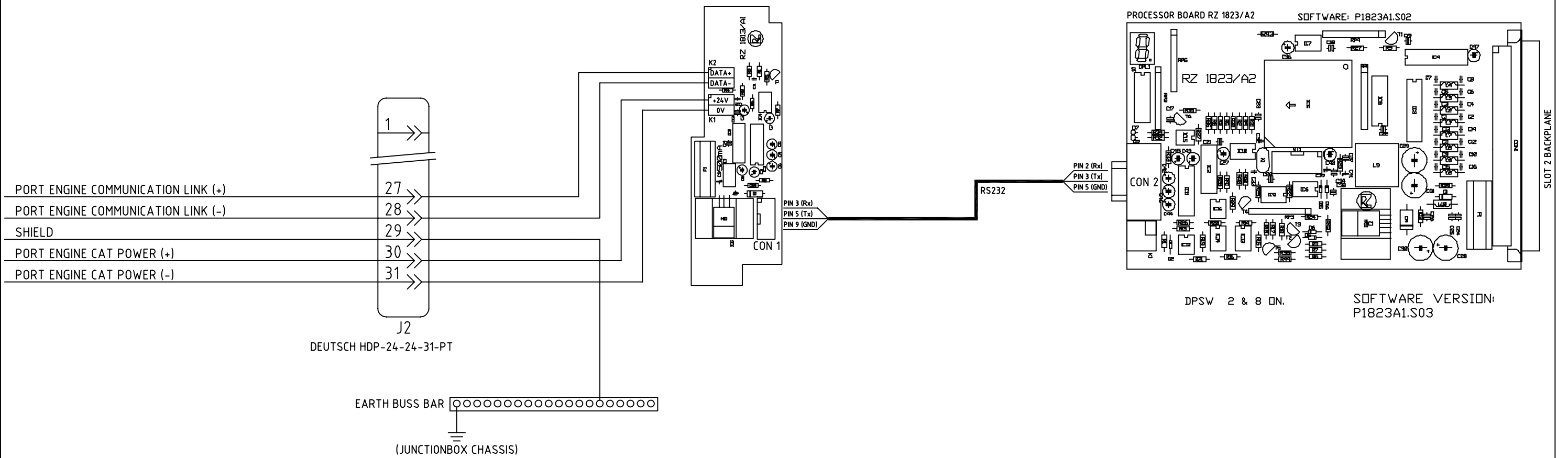
COMMENTS: ALL SIZES IN MM
AMERICAN PROJECTION STYLE

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Project:		SEARAY 680 SS					
Part:		PORT ENGINE ROOM junction box POWER DISTRIBUTION & COMMUNICATION					
Drawn:	M.Martinet	Size:	A3	Page:	01 of 01	Revision number:	A
Date:	20-04-2000	File name:	N:\ACAD\208\SCHEMAD\0208-22.DWG				



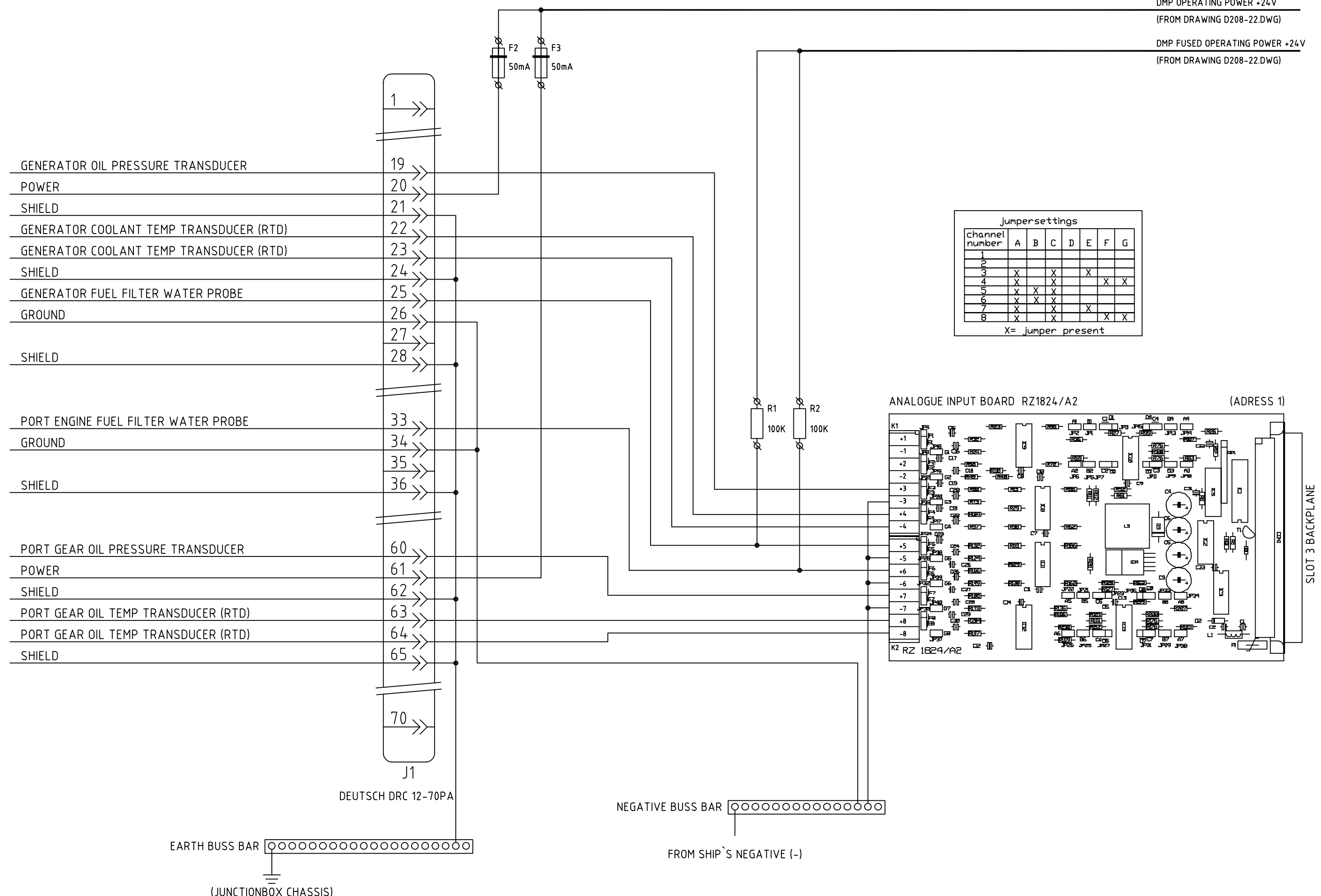
COMMENTS: ALL SIZES IN MM
 AMERICAN PROJECTION STYLE

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Project:	SEARAY 680 SS		
Part:	PORT ENGINE ROOM junction box SLOT 2 PROCESSOR BOARD		
Drawn:	M.Martinet	Size: A3	Page: 01 of 01
Date:	20-04-2000	Revision number:	A
File name:	N:\ACAD\2008\SCHEMAD\0208-23.DWG		



Jumper settings

Channel number	A	B	C	D	E	F	G
1							
2							
3	X		X		X		
4	X		X			X	X
5	X	X	X				
6	X	X	X				
7	X		X		X		
8	X		X			X	X

X= jumper present

ANALOGUE INPUT BOARD RZ1824/A2 (ADDRESS 1)

SLOT 3 BACKPLANE

COMMENTS: ALL SIZES IN MM AMERICAN PROJECTION STYLE

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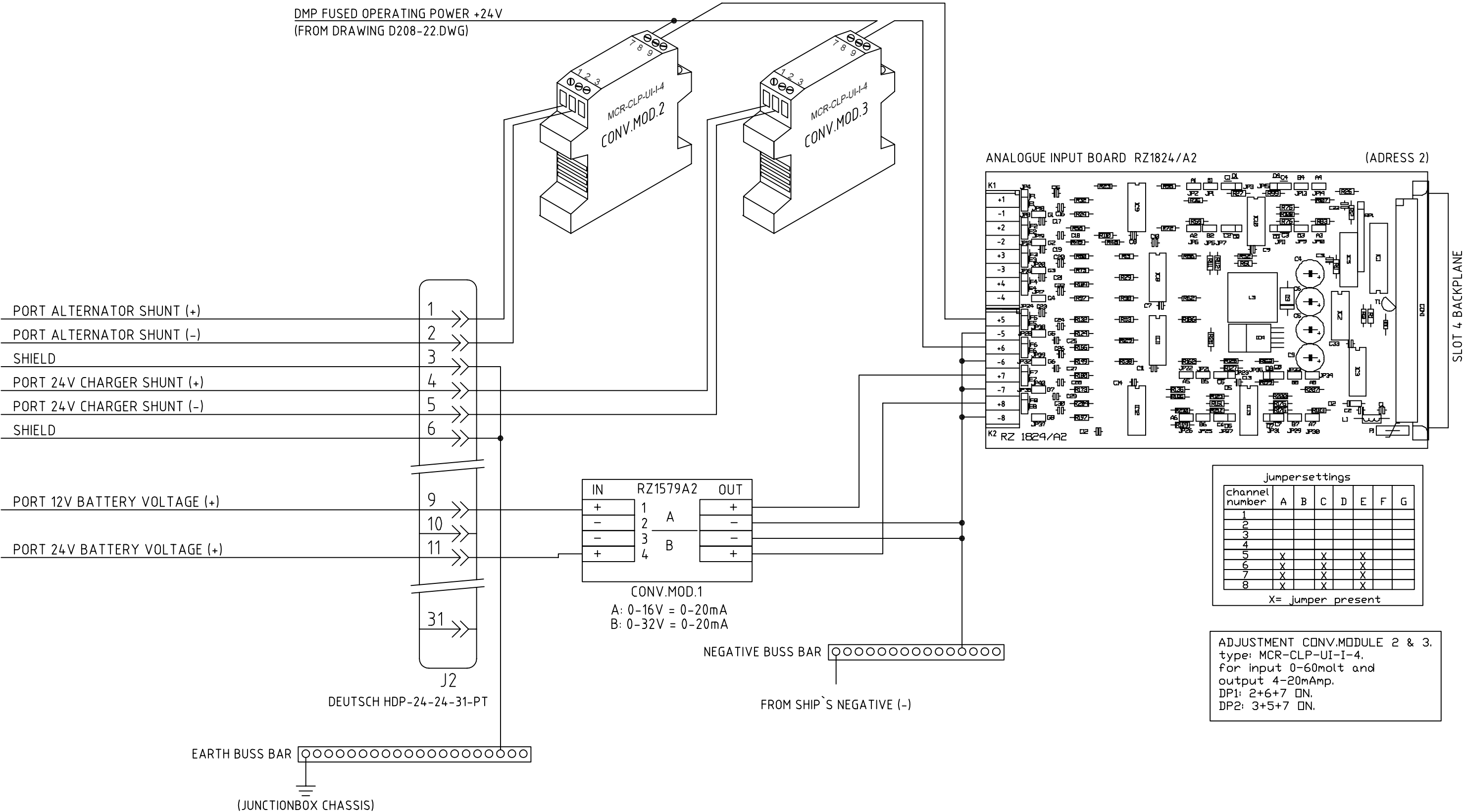
Project: SEARAY 680 SS

Part: PORT ENGINE ROOM junction box SLOT 3 ANALOGUE INPUT BOARD

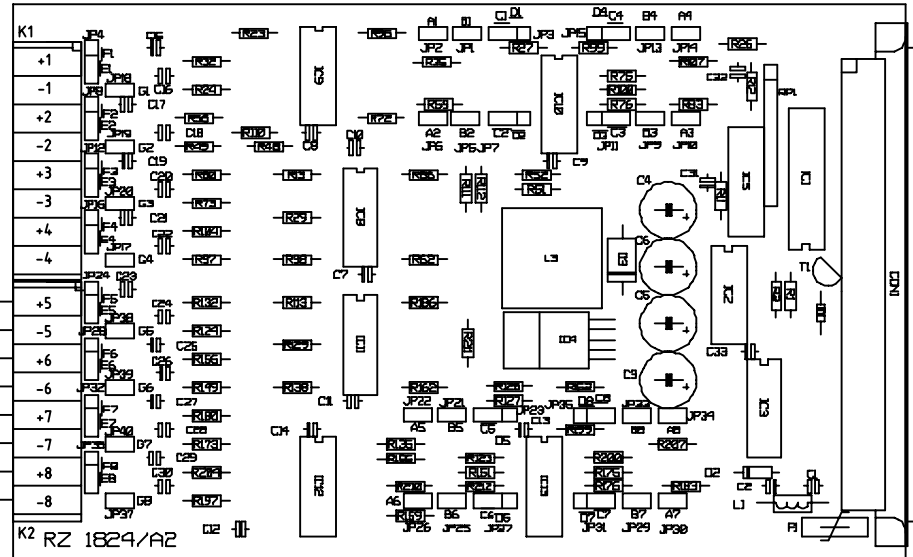
Drawn: M.Martinet Size: A3 Page: 01 of 01 Revision number: A

Date: 20-04-2000 File name: N:\ACAD\208\SCHEMAD\208-24.DWG

DMP FUSED OPERATING POWER +24V
(FROM DRAWING D208-22.DWG)



ANALOGUE INPUT BOARD RZ1824/A2 (ADDRESS 2)



jumper settings

channel number	A	B	C	D	E	F	G
1							
2							
3							
4							
5	X		X		X		
6	X		X		X		
7	X		X		X		
8	X		X		X		

X = jumper present

ADJUSTMENT CONV.MODULE 2 & 3.
type: MCR-CLP-UI-I-4.
for input 0-60molt and
output 4-20mAmp.
DP1: 2+6+7 ON.
DP2: 3+5+7 ON.

COMMENTS: ALL SIZES IN MM
AMERICAN PROJECTION STYLE

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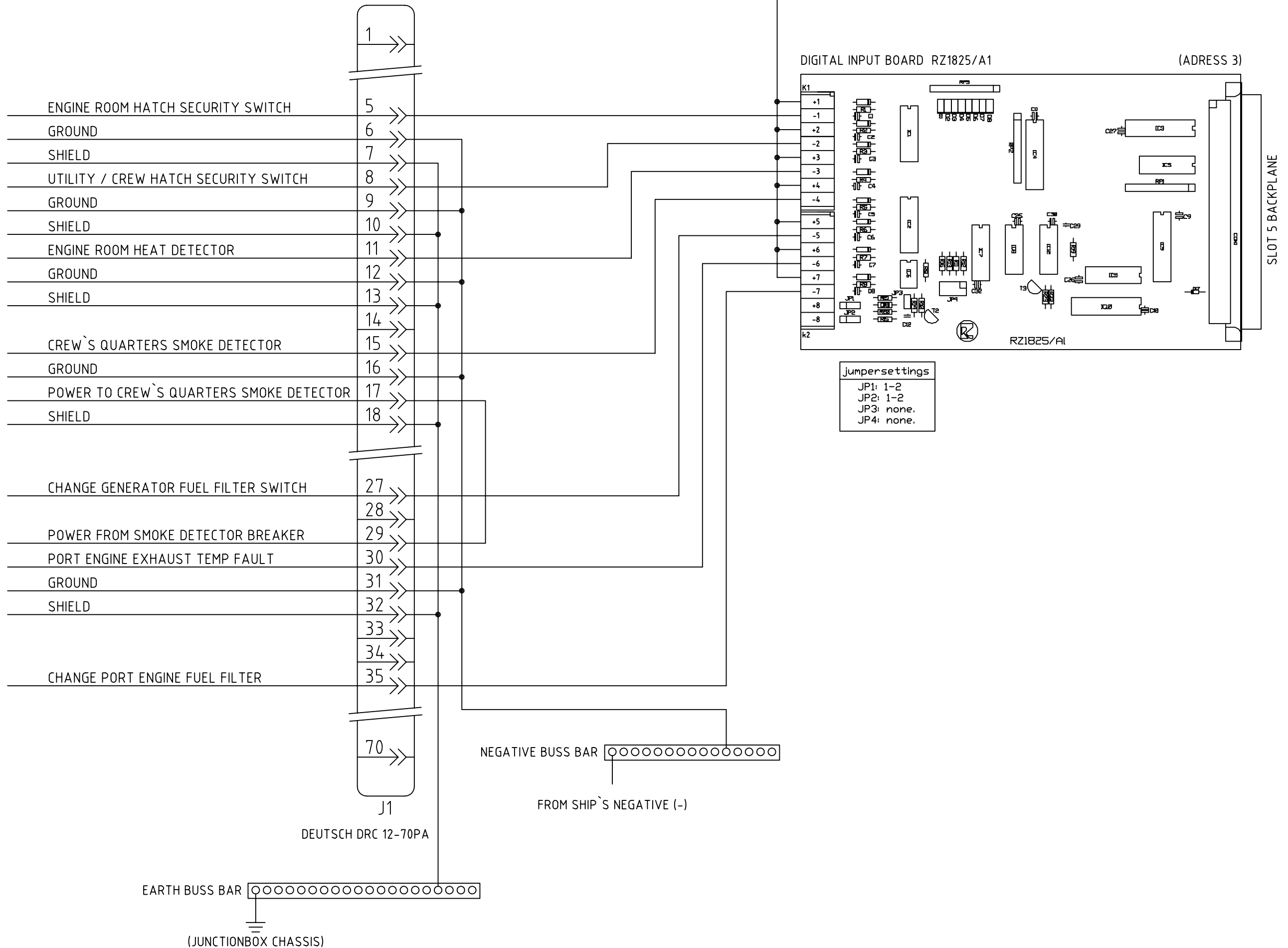


Project: SEARAY 680 SS

Part: PORT ENGINE ROOM junction box SLOT 4 ANALOGUE INPUT BOARD

Drawn: M.Martinet Size: A3 Page: 01 of 01 Revision number: B

Date: 14-11-2000 File name: N:\ACAD\208\SCHEMAD\208-25.DWG



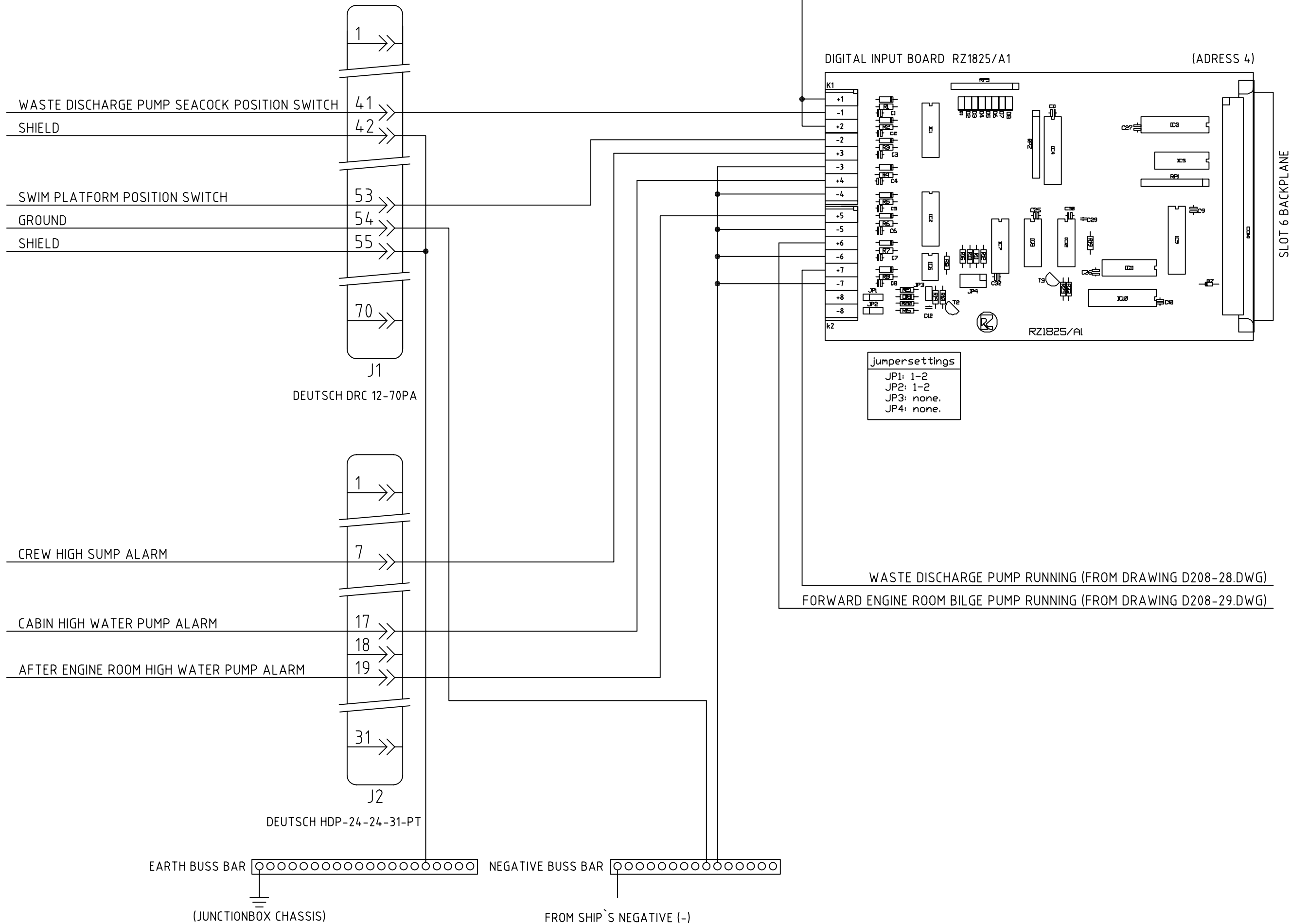
COMMENTS: ALL SIZES IN MM
 AMERICAN PROJECTION STYLE

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Project:	SEARAY 680 SS		
Part:	PORT ENGINE ROOM junction box SLOT 5 DIGITAL INPUT BOARD		
Drawn:	M.Martinet	Size: A3	Page: 01 of 01
Date:	20-04-2000	Revision number:	A
File name:	N:\ACAD\208\SCHEMAD\0208-26.DWG		



COMMENTS: ALL SIZES IN MM
AMERICAN PROJECTION STYLE

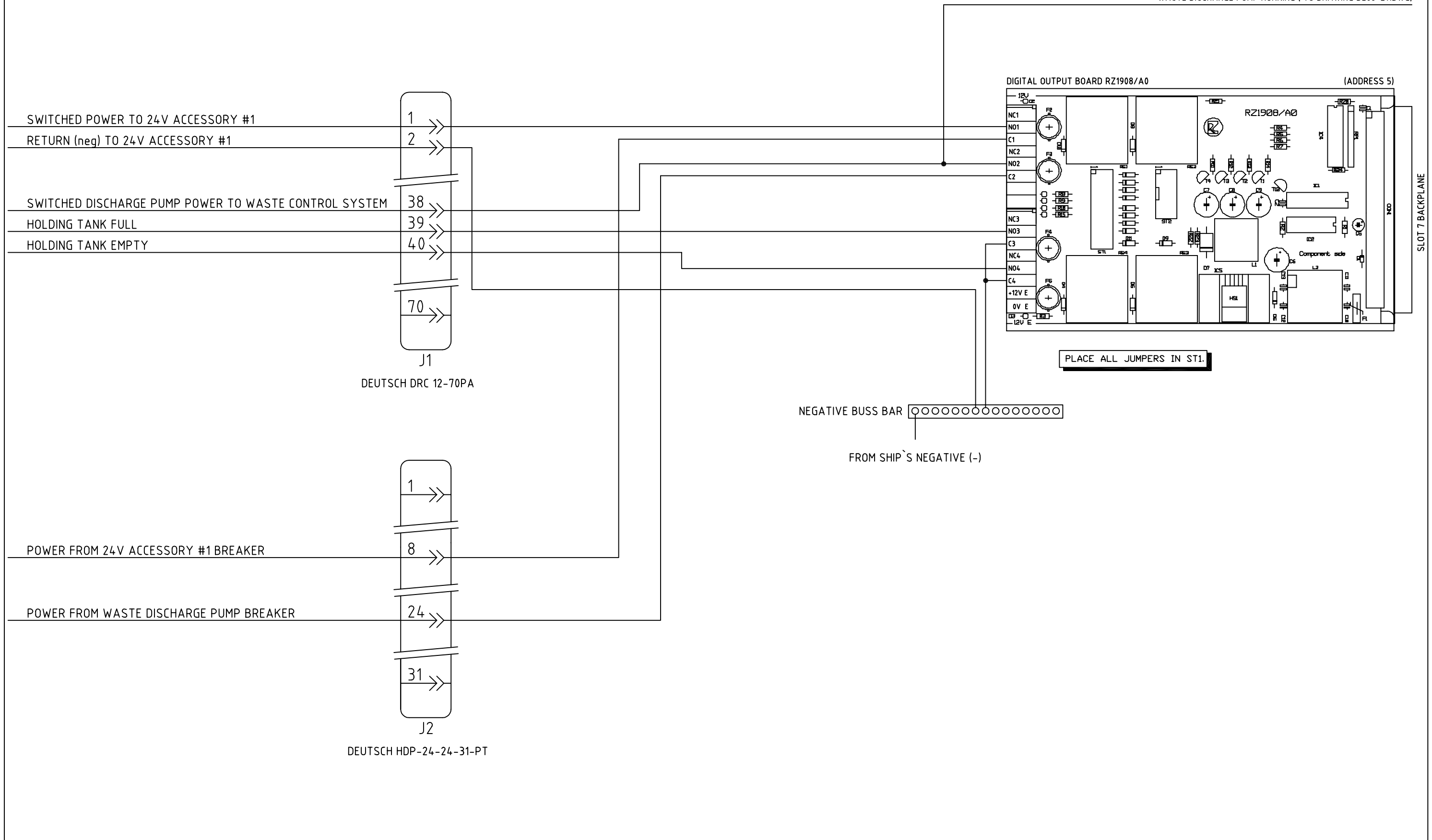
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Project:		SEARAY 680 SS					
Part:		PORT ENGINE ROOM junction box SLOT 6 DIGITAL INPUT BOARD					
Drawn:	M.Martinet	Size:	A3	Page:	01 of 01	Revision number:	A
Date:	20-04-2000	File name:	N:\ACAD\D208\SCHEMAD\0208-27.DWG				

WASTE DISCHARGE PUMP RUNNING (TO DRAWING D208-27.DWG)



COMMENTS: ALL SIZES IN MM
AMERICAN PROJECTION STYLE

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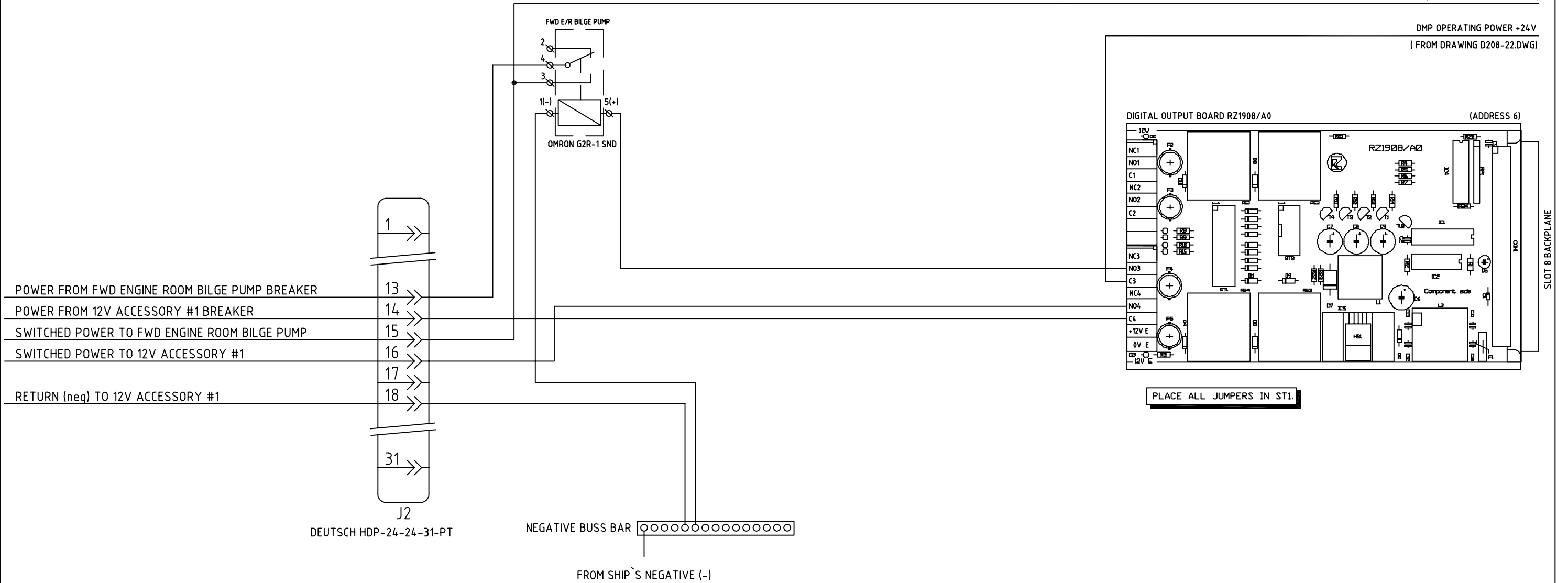
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Project:	SEARAY 680 SS		
Part:	PORT ENGINE ROOM junction box SLOT 7 RELAY OUTPUT		
Drawn:	M.Martinet	Size: A3	Page: 01 of 01
Date:	20-04-2000	Revision number:	A
File name:	N:\ACAD\208\SCHEMAD\208-28.DWG		

FORWARD ENGINE ROOM BILGE PUMP RUNNING (TO DRAWING D208-27.DWG)

DMP OPERATING POWER +24V
(FROM DRAWING D208-22.DWG)



COMMENTS: ALL SIZES IN MM
AMERICAN PROJECTION STYLE

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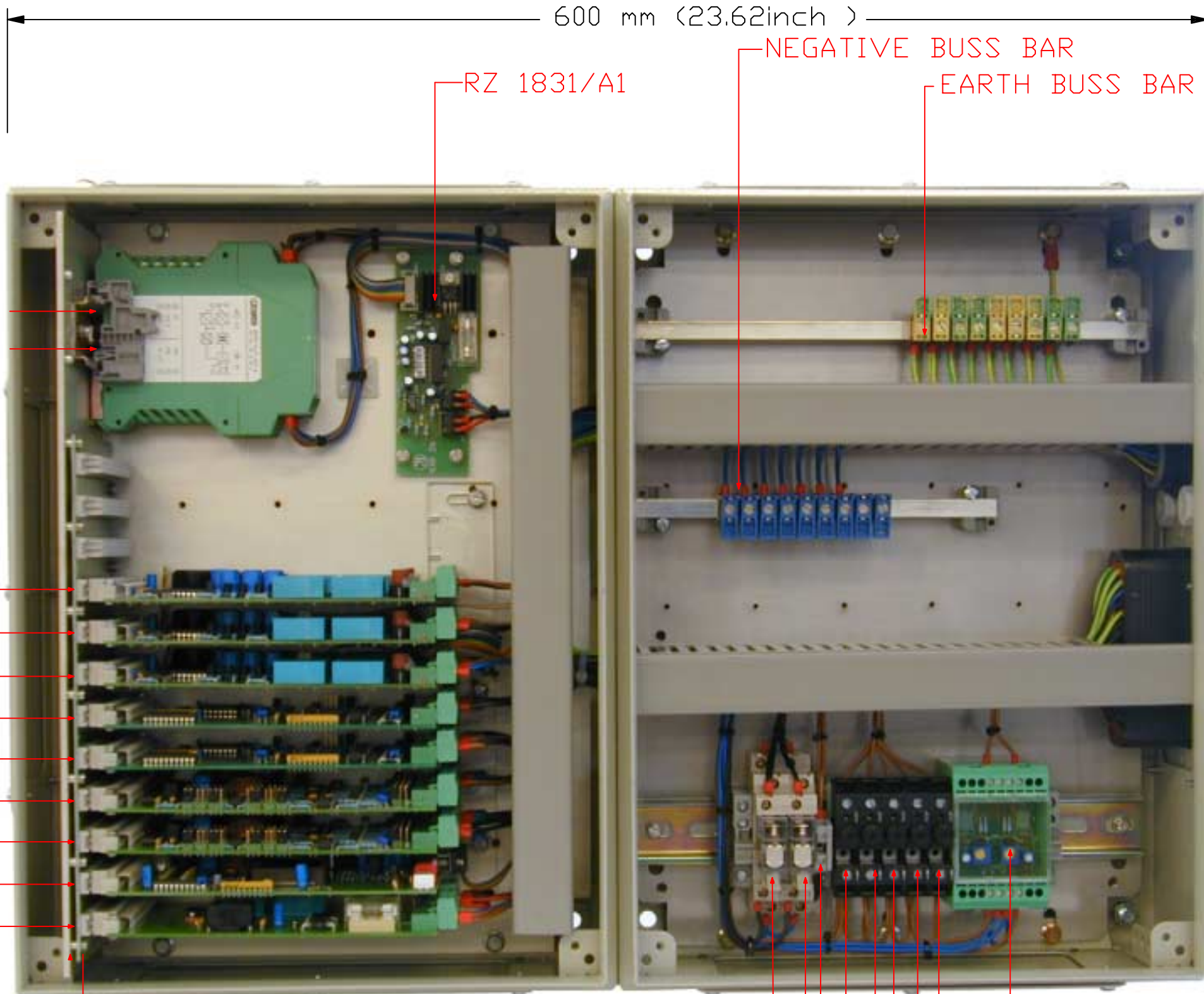


Project: SEARAY 680 SS

Part: PORT ENGINE ROOM junction box SLOT 8 RELAY OUTPUT

Drawn: M.Martinet Size: A3 Page: 01 of 01 Revision number: A

Date: 20-04-2000 File name: N:\ACAD\208\SCHEMAD\208-29.DWG



600 mm (23.62inch)

NEGATIVE BUSS BAR
EARTH BUSS BAR

RZ 1831/A1

CONVERTER
MODULE 3
CONVERTER
MODULE 2

400mm (15.75inch)

J2

BUSS BAR FEED

- SLOT 9 RZ1908/A0
- SLOT 8 RZ1908/A0
- SLOT 7 RZ1908/A0
- SLOT 6 RZ1825/A1
- SLOT 5 RZ1825/A1
- SLOT 4 RZ1824/A2
- SLOT 3 RZ1824/A2
- SLOT 2 RZ1823/A2
- SLOT 1 RZ1822/A1

J1

BACKPLANE RZ1910/A0

AFT BILGEPUMP RELAY
AFT E/R BILGEPUMP RELAY
X1 with R1

F5
F4
F3
F2
F1
CONVERTER MODULE 1

HEIGHT OF THE JUNCTIONBOX IS 120mm (4.25 Inch)
PLEASE KEEP 150mm (5.9 Inch) SPACE AT CONNECTOR SIDE

COMMENTS: ALL SIZES IN MM
AMERICAN PROJECTION STYLE

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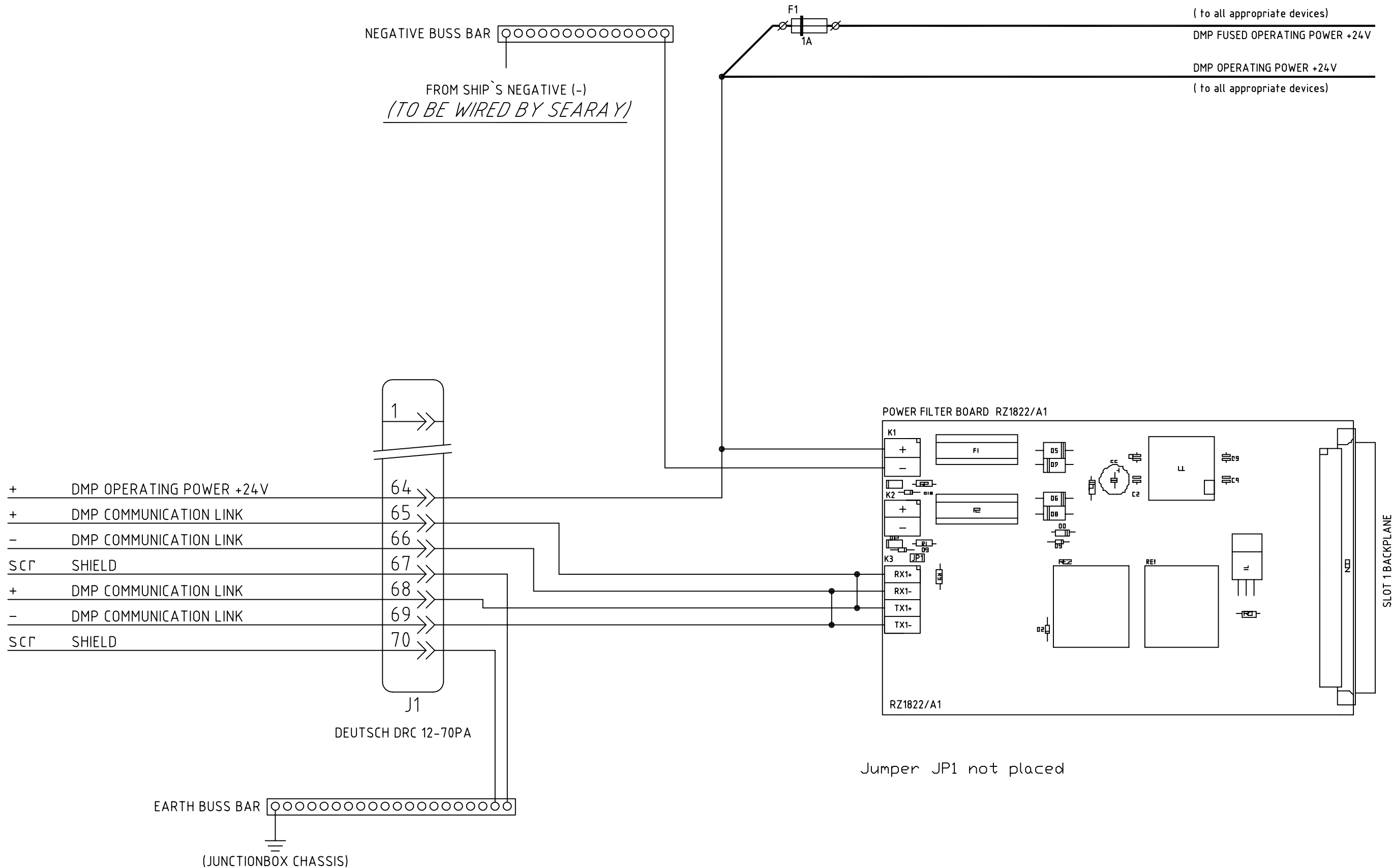


Project: SEARAY 680 SS

Part: STBD ENGINE ROOM junctionbox

Drawn: P.d.S. Size: A3 Page: 01 of 01 Revision number: A

Date: jbruary-2003 File name: N:\ACADD208\SCHEMA\STBD JUNCTIONBOX_revB.DWG



Jumper JP1 not placed

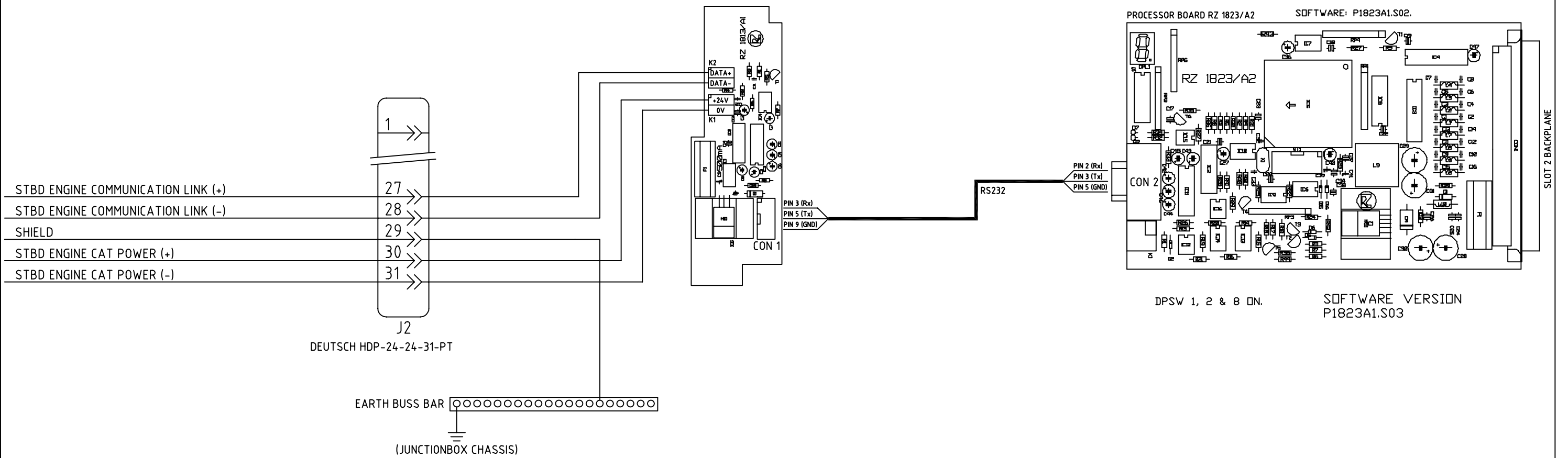
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Project:		SEARAY 680 SS	
Part: STBD ENGINE ROOM junction box POWER DISTRIBUTION & COMMUNICATION			
Drawn:	M.Martinet	Size: A3	Page: 01 of 01
Date:	20-04-2000	Revision number:	A
File name:		N:\ACAD\2008\SCHEMA\0208-32_revB.DWG	



COMMENTS: ALL SIZES IN MM
AMERICAN PROJECTION STYLE

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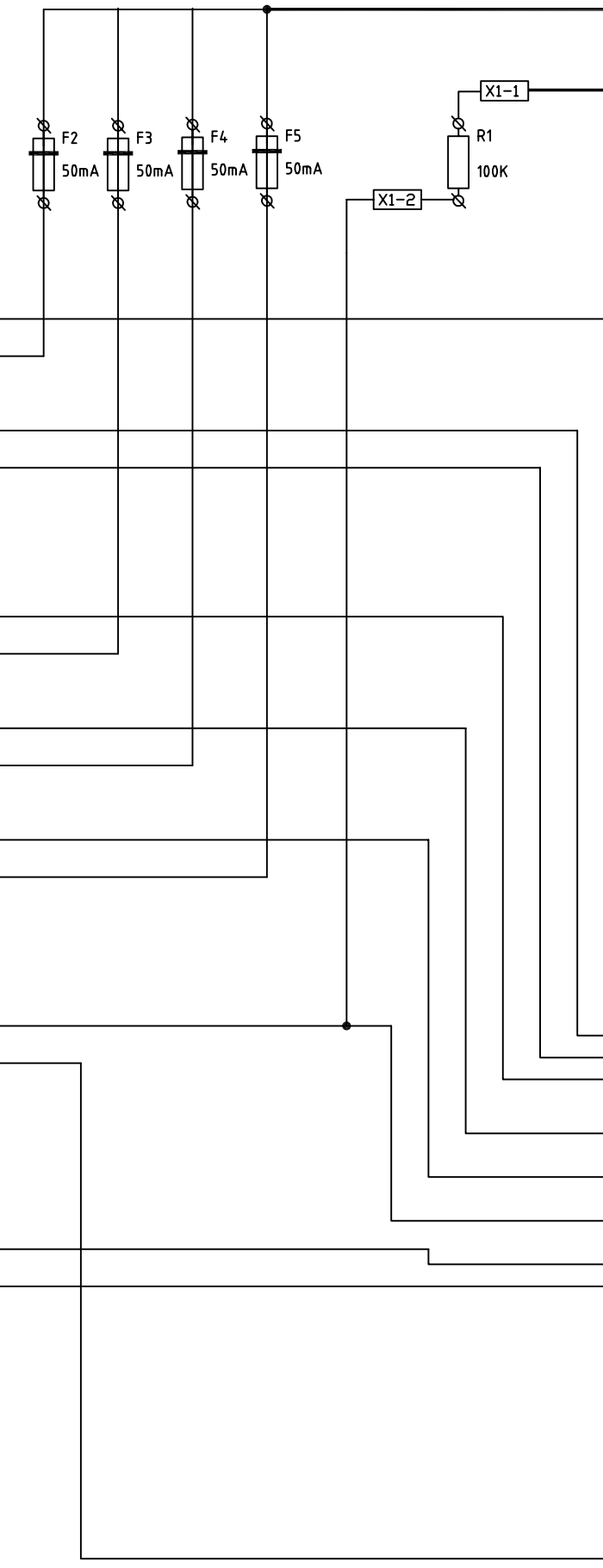
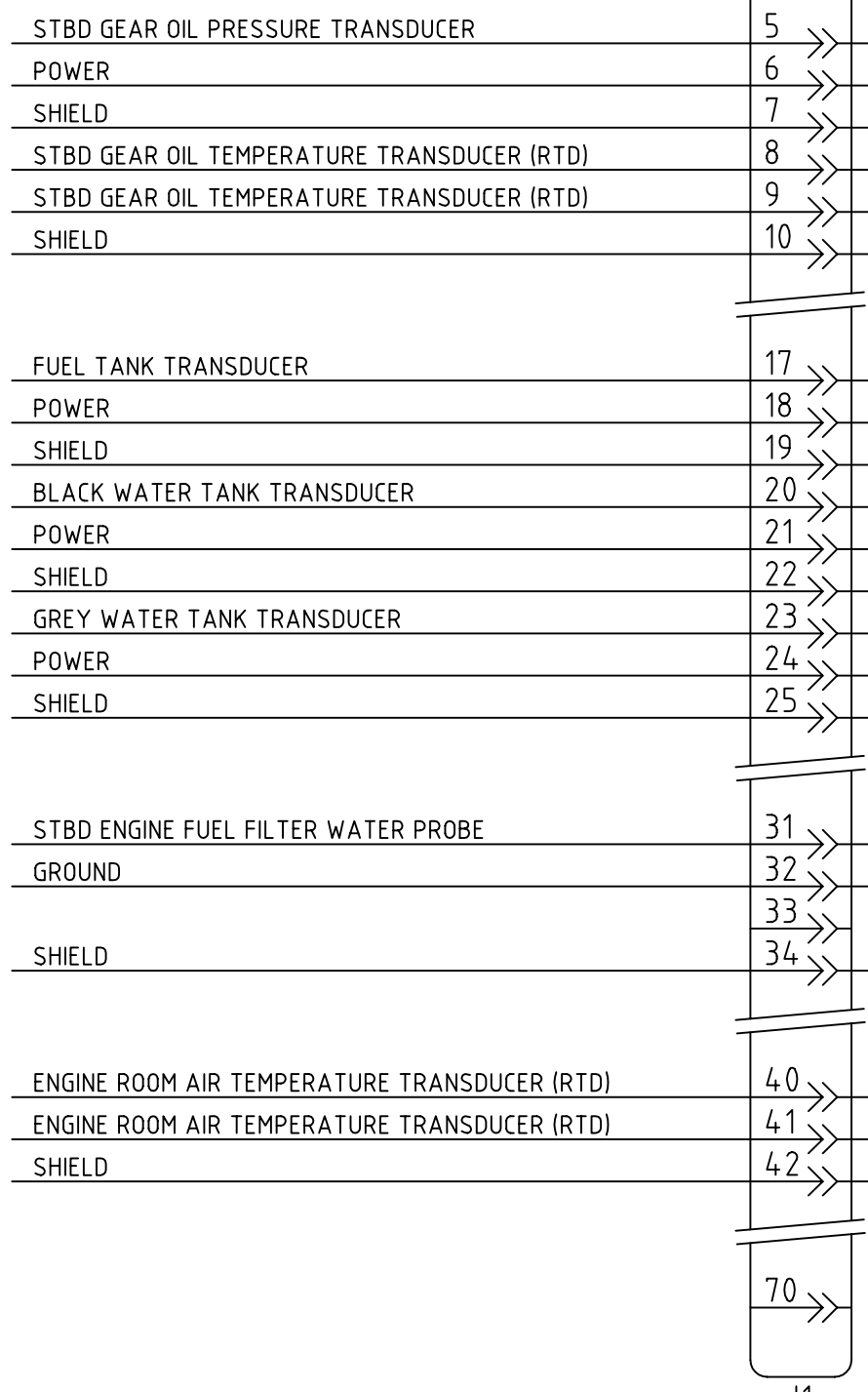
Project:	SEARAY 680 SS		
Part:	STBD ENGINE ROOM junction box SLOT 2 PROCESSOR BOARD		
Drawn:	M.Martinet	Size: A3	Page: 01 of 01
Date:	20-04-2000	Revision number:	A
File name:	N:\ACAD\2008\SCHEMA\0208-33_revB.DWG		

DMP OPERATING POWER +24V

(FROM DRAWING D208-32.DWG)

DMP FUSED OPERATING POWER +24V

(FROM DRAWING D208-32.DWG)

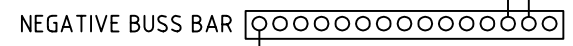
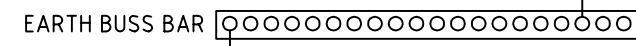
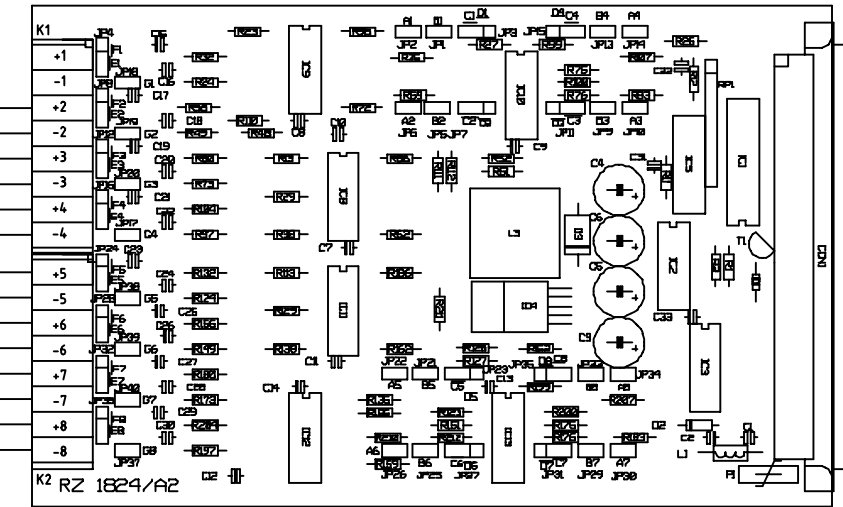


jumpersettings

Channel number	A	B	C	D	E	F	G
1							
2	X		X		X		
3	X		X			X	X
4	X		X		X		
5	X		X		X		
6	X	X	X		X		
7	X	X	X		X		
8	X		X			X	X

X= jumper present

ANALOGUE INPUT BOARD RZ1824/A2 (ADDRESS 1)



COMMENTS: ALL SIZES IN MM AMERICAN PROJECTION STYLE

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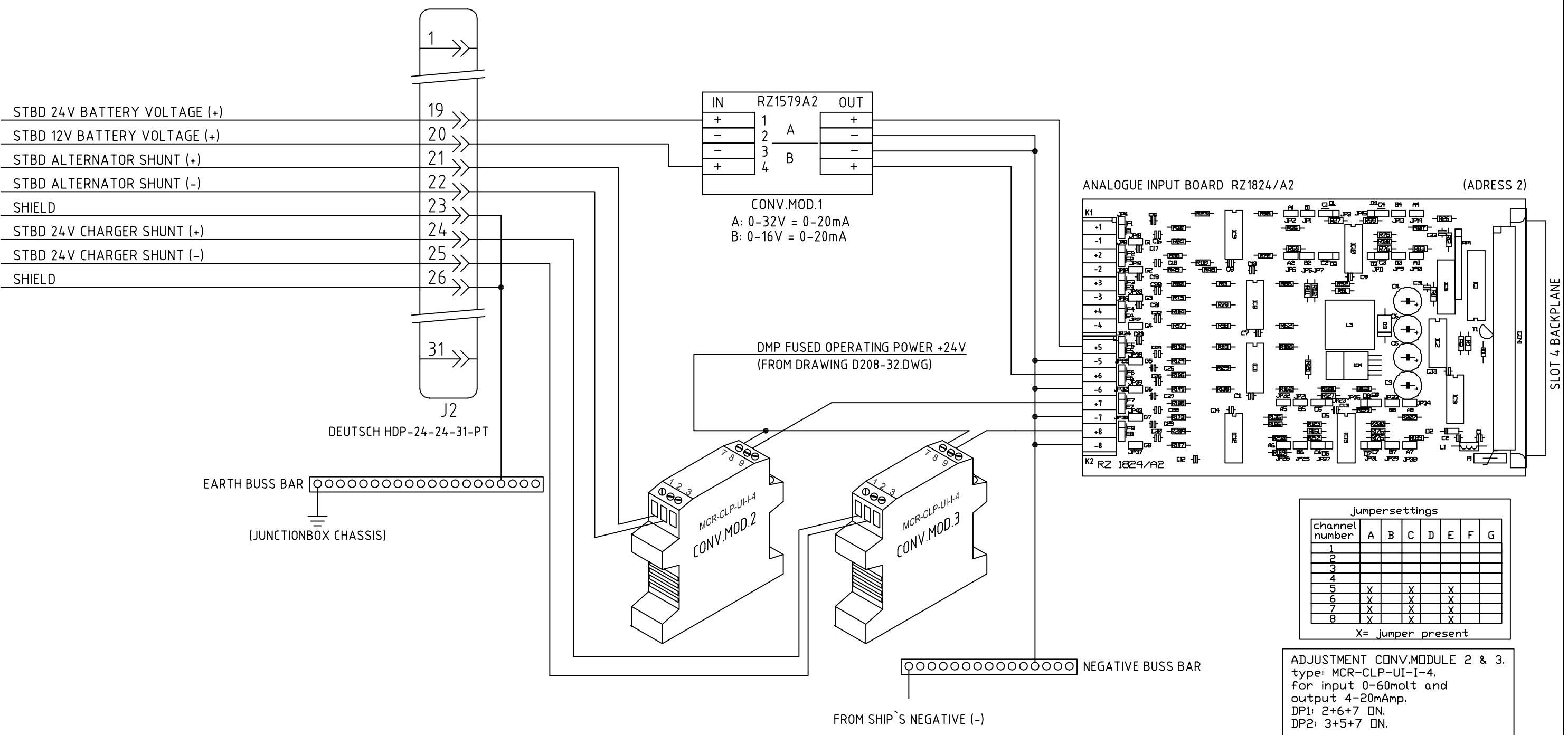


Project: SEARAY 680 SS

Part: STBD ENGINE ROOM junction box SLOT 3 ANALOGUE INPUT BOARD

Drawn: M.Martinet Size: A3 Page: 01 of 01 Revision number: A

Date: 20-04-2000 File name: N:\ACAD\208\SCHEMAD\208-34.DWG



COMMENTS: ALL SIZES IN MM AMERICAN PROJECTION STYLE

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4538 AG Terneuzen
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Project: SEARAY 680 SS

Part: STBD ENGINE ROOM junction box SLOT 4 ANALOGUE INPUT BOARD

Drawn: M.Martinet Size: A3 Page: 01 of 01 Revision number: B
Date: 14-12-2000 File name: N:\ACAD\208\SCHEMAD\208-35.DWG

DMP FUSED OPERATING POWER +24V

(FROM DRAWING D208-32.DWG)

DIGITAL INPUT BOARD RZ1825/A1

(ADDRESS 3)

HYDRAULIC STEERING LEVEL FAULT SWITCH

GROUND

HYDRAULIC PRESSURE FAULT SWITCH

SHIELD

EXTINGUISHER DISCHARGE CONTACTS

GROUND

SHIELD

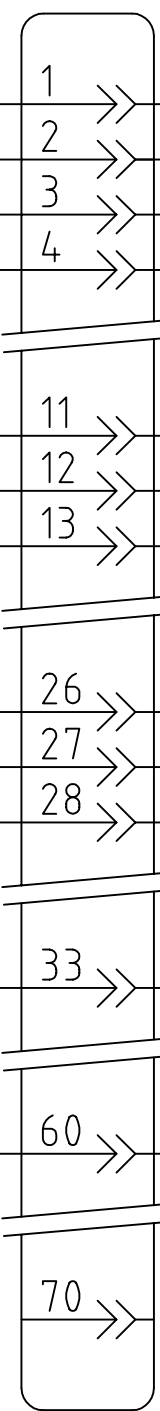
STBD ENGINE EXHAUST TEMP SWITCH

GROUND

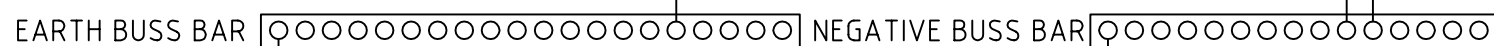
SHIELD

CHANGE STBD ENGINE FUEL FILTER SWITCH

POWER AVAILABLE FROM SWIM PLATFORM SOLENOID

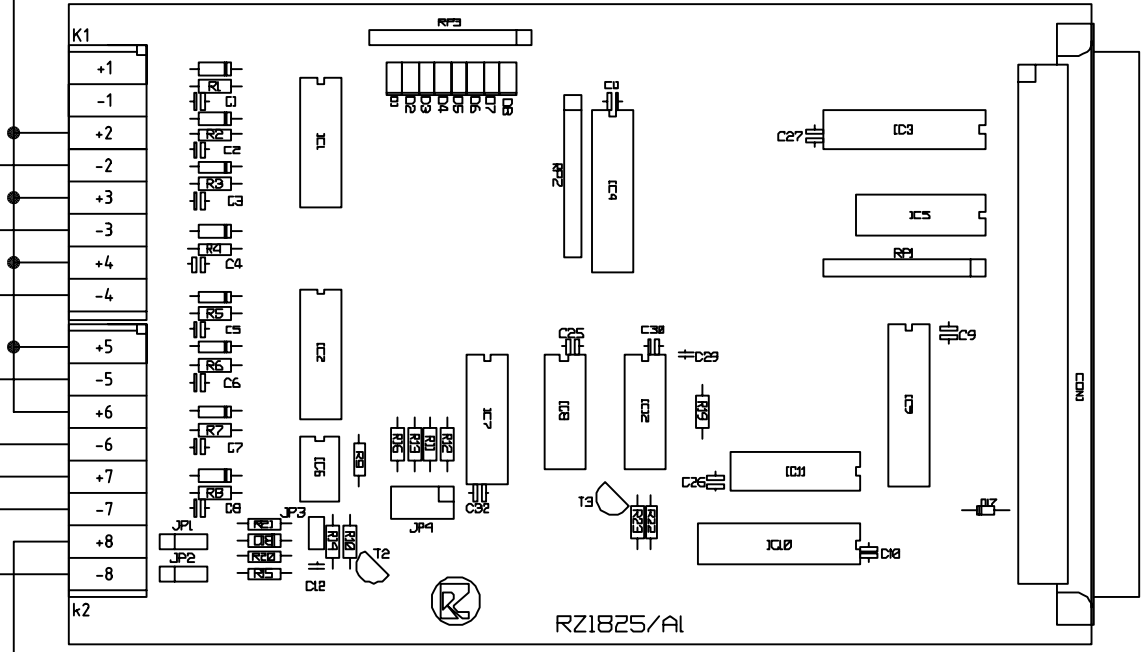


DEUTSCH DRC 12-70PA



(JUNCTIONBOX CHASSIS)

FROM SHIP'S NEGATIVE (-)



Jumper settings
JP1: 1-2
JP2: 1-2
JP3: none.
JP4: D (7-8)

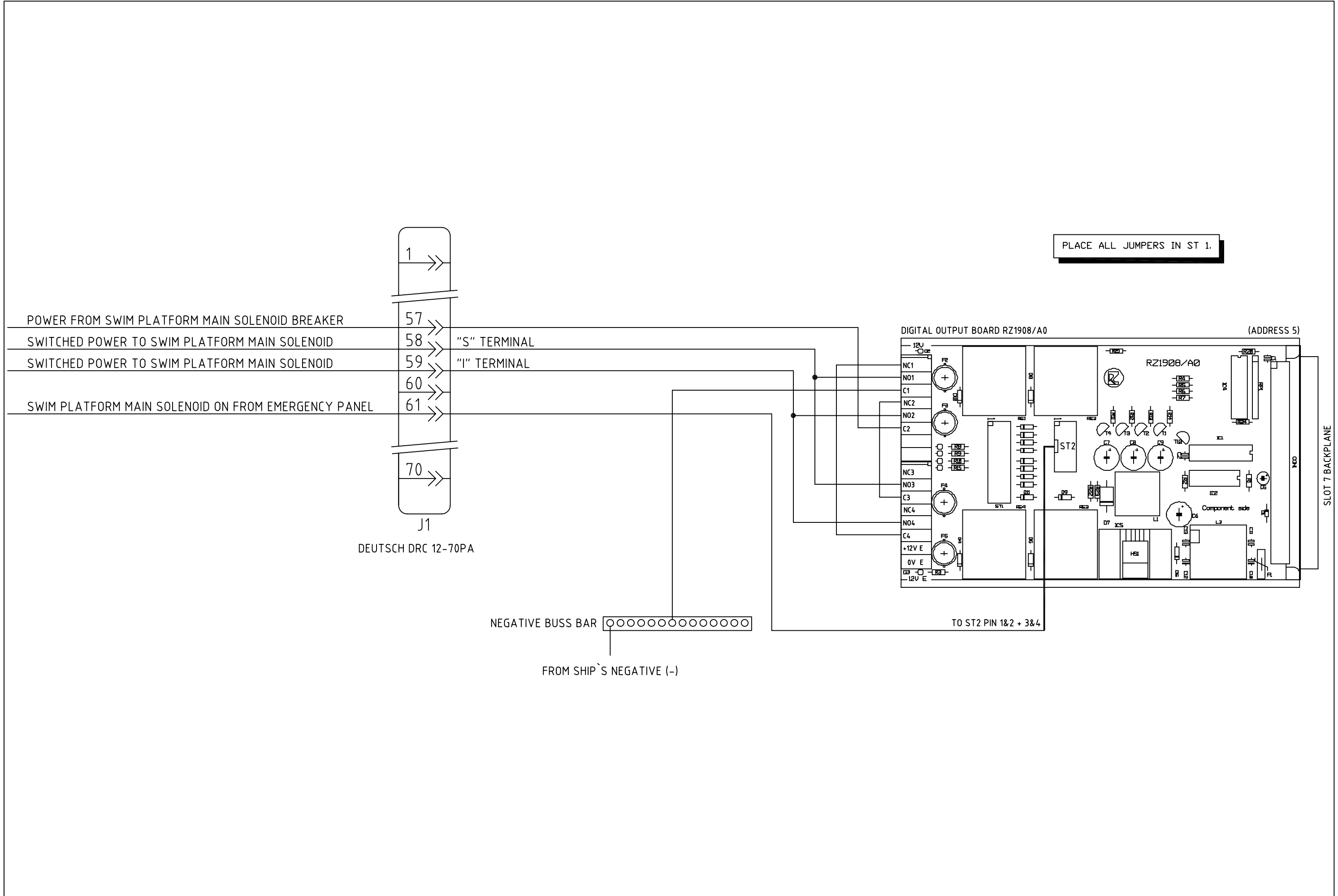
FWD BLOWER FAULT (FROM DRAWING D208-37.DWG)



COMMENTS: ALL SIZES IN MM AMERICAN PROJECTION STYLE
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Project: SEARAY 680 SS
Part: STBD ENGINE ROOM junction box SLOT 5 DIGITAL INPUT BOARD
Drawn: M.Martinet Size: A3 Page: 01 of 01 Revision number: A
Date: 20-04-2000 File name: N:\ACAD\208\SCHEMAD\208-36.DWG



COMMENTS: ALL SIZES IN MM
AMERICAN PROJECTION STYLE

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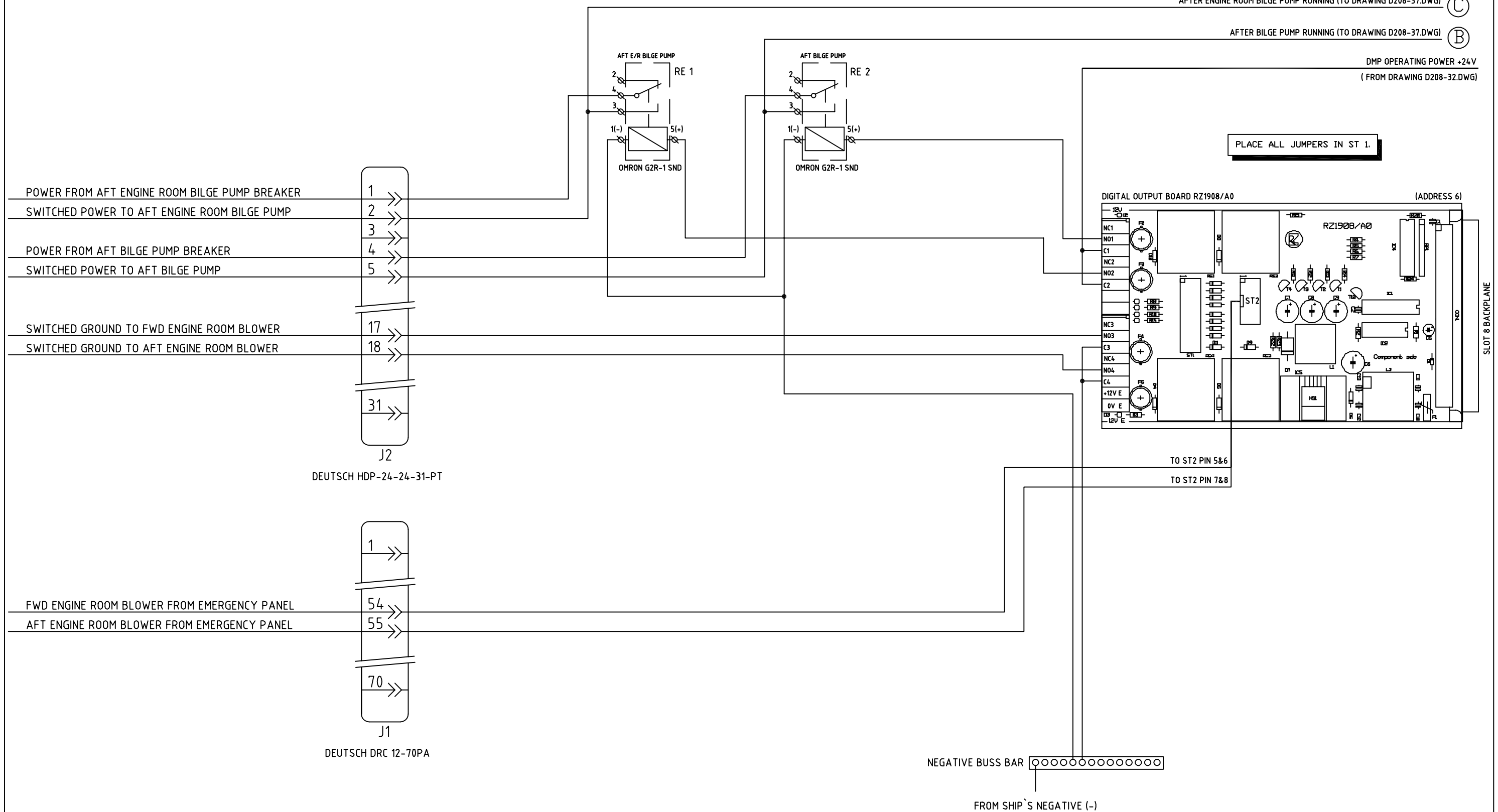
Project:		SEARAY 680 SS		
Part:		STBD ENGINE ROOM junction box SLOT 7 RELAY OUTPUT		
Drawn:	M.Martinet	Size:	A3	Page: 01 of 01
Date:	20-04-2000	Revision number:	A	
File name:		N:\ACAD\208\SCHEMAD\0208-38.DWG		

AFTER ENGINE ROOM BILGE PUMP RUNNING (TO DRAWING D208-37.DWG) (C)

AFTER BILGE PUMP RUNNING (TO DRAWING D208-37.DWG) (B)

DMP OPERATING POWER +24V
(FROM DRAWING D208-32.DWG)

PLACE ALL JUMPERS IN ST 1.



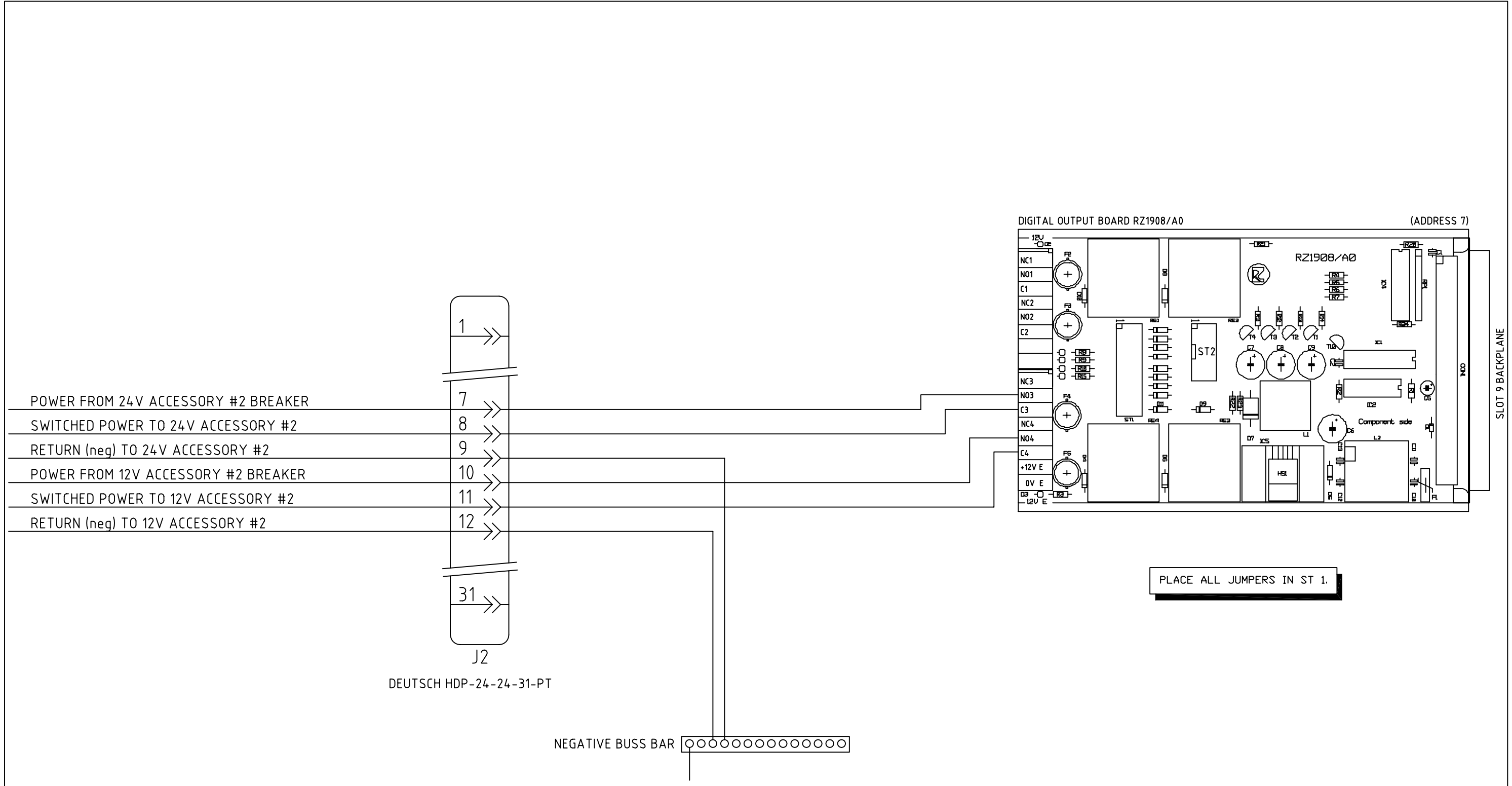
COMMENTS: ALL SIZES IN MM
AMERICAN PROJECTION STYLE

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Project:		SEARAY 680 SS					
Part:		STBD ENGINE ROOM junction box SLOT 8 RELAY OUTPUT					
Drawn:	M.Martinet	Size:	A3	Page:	01 of 01	Revision number:	A
Date:	20-04-2000	File name:	N:\ACAD\208\SCHEMAD\208-39.DWG				



COMMENTS: ALL SIZES IN MM
AMERICAN PROJECTION STYLE

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Project:	SEARAY 680 SS		
Part:	STBD ENGINE ROOM junction box SLOT 9 RELAY OUTPUT		
Drawn:	M.Martinet	Size: A3	Page: 01 of 01
Date:	20-04-2000	Revision number:	A
File name:	N:\ACAD\208\SCHEMAD\0208-40.DWG		