

**38**

***SCHEMATICS***

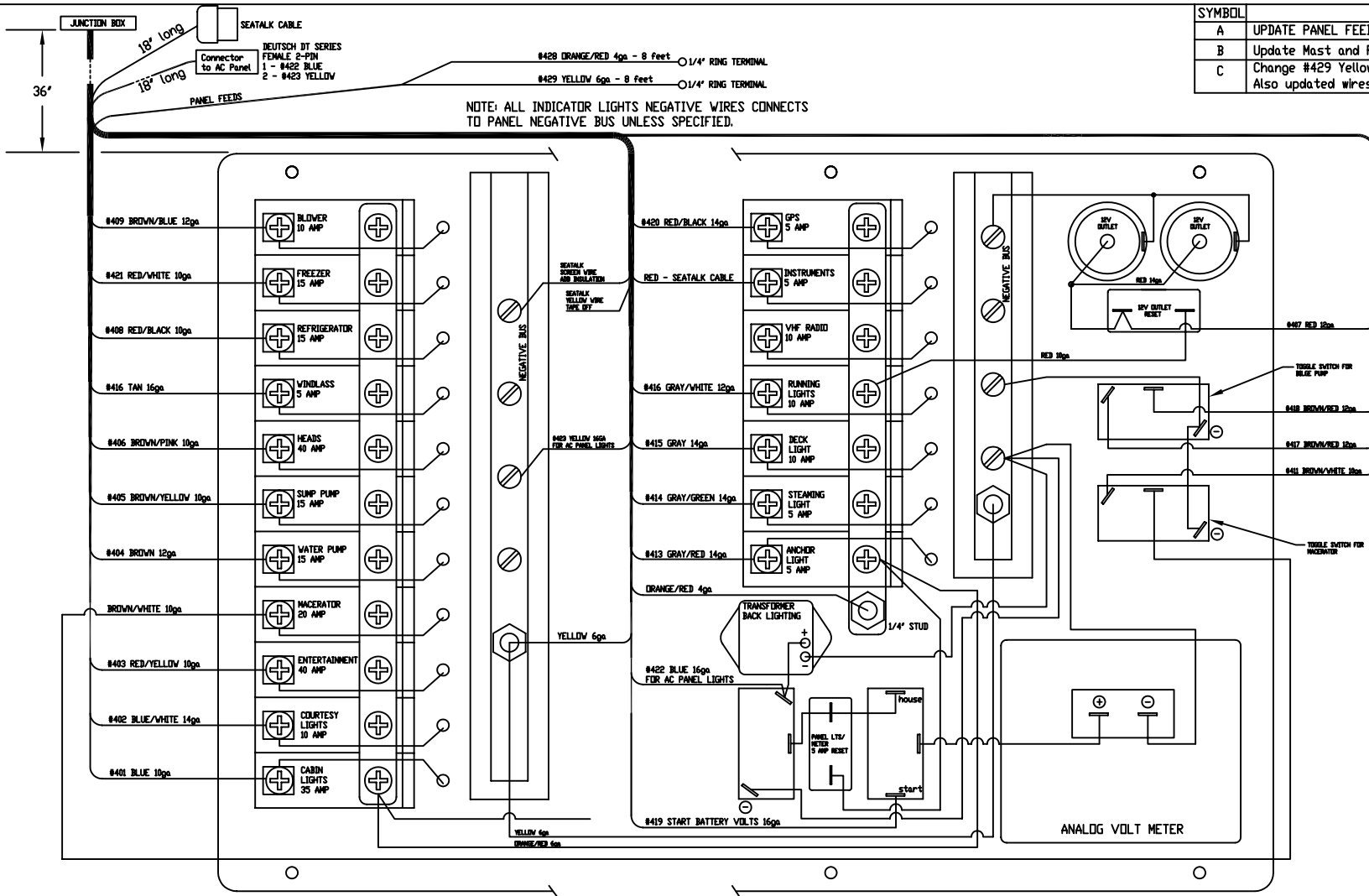
***12/1/2005***

# ***INDEX***

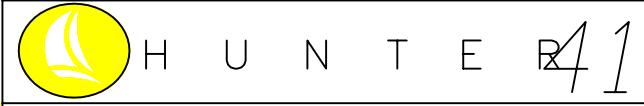
## ***PAGE***

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SYMBOL	REVISIONS	DATE	ENG
A	UPDATE PANEL FEEDS AND LENGTHS.	6/11/2003	JLK
B	Update Mast and Running light wires to 14&12ga.	11/24/2003	JLK
C	Change #429 Yellow from 3 1/2' to 8'. Also updated wires from panel to junction box.	6/30/2004	JLK



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DRAWING TITLE: DC PANEL SCHEMATIC			
DRAWN BY: JLK	DATE: 10-Mar-03	SHEET 1	OF 1
SCALE: 0.625	HUNTER PART NO. TBD	REVISION -	DRAW # ---

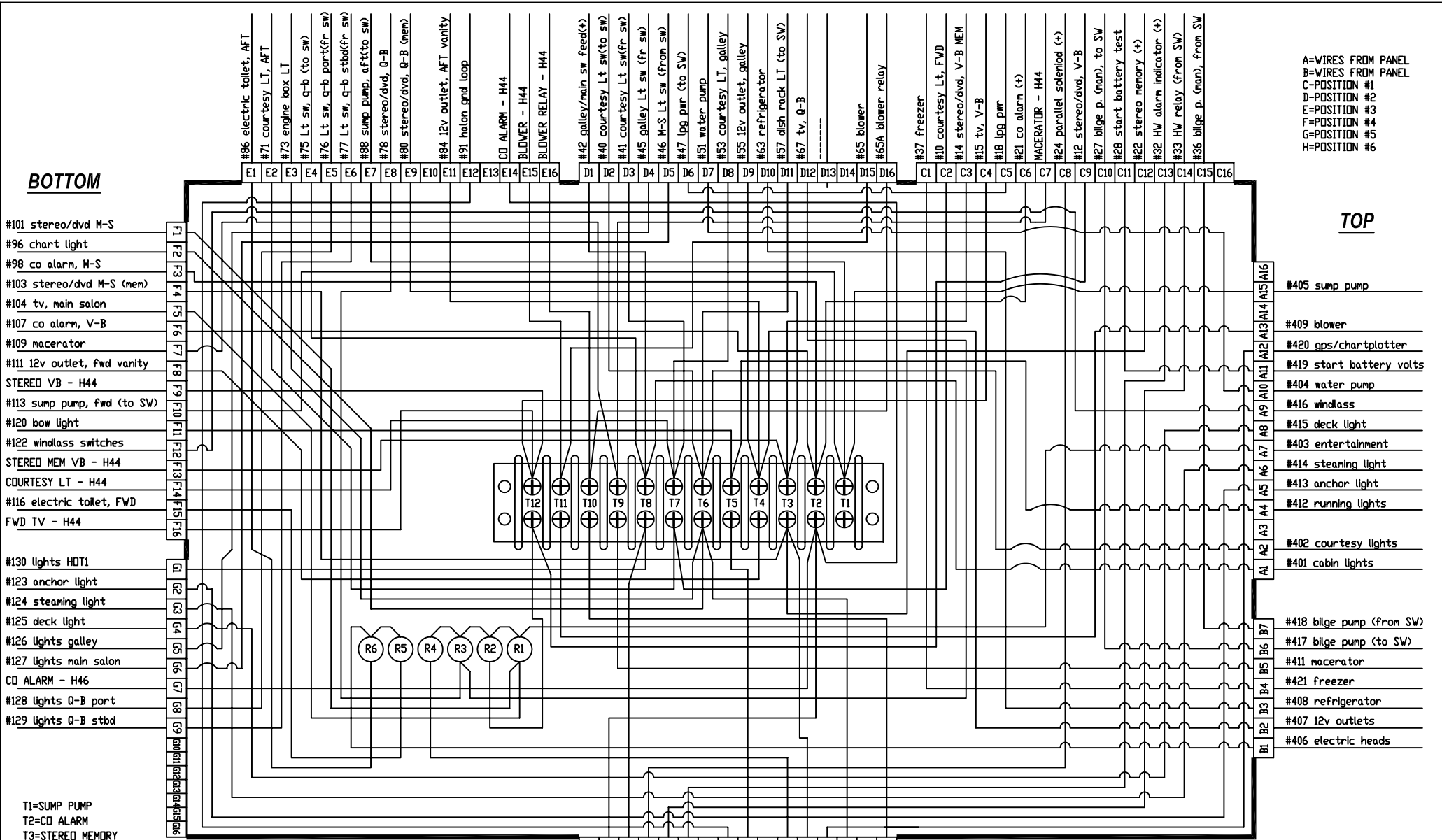
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**41 PANEL TO JUNCTION BOX WIRE LIST**

<b>WIRE#</b>	<b>GAUGE</b>	<b>COLOR</b>	<b>FEET</b>	<b>DESCRIPTION</b>	<b>NOTES:</b>	<b>INCHES</b>
401	10ga	Blue	3	CABIN LIGHTS	Length measured from bottom left corner.	36
402	14ga	Blue/White	3	COURTESY LIGHTS		36
403	10ga	Red/Yellow	3	ENTERTAINMENT		36
404	12ga	Brown	3	WATER PUMP		36
405	10ga	Brown/Yellow	3	SUMP PUMP		36
406	10ga	Brown/Pink	3	ELECTRIC HEADS		36
407	12ga	Red	3	12VDC OUTLETS		36
408	10ga	Red/Black	3	REFRIGERATION		36
409	12ga	Brown/Blue	3	BLOWER		36
410	14ga	White	3	FAN		36
411	10ga	Brown/White	3	MACERATOR		36
412	14ga	Grey/White	3	RUNNING LIGHTS		36
413	16ga	Grey/Red	3	ANCHOR LIGHT		36
414	16ga	Grey/Green	3	STEAMING LIGHT		36
415	16ga	Grey	3	DECK LIGHT		36
416	16ga	Tan	3	WINDLASS		36
417	12ga	Brown/Red	3	BILGE PUMP (TO SW)		36
418	12ga	Brown/Red	3	BILGE PUMP (FROM SW)		36
419	16ga	Red	3	START BATTERY VOLTS		36
420	14ga	Red/Black	3	GPS/CHARTPLOTTER		36
421	10ga	Red/White	3	FREEZER		36
428	4ga	Orange/Red	8	PANEL FEED - POWER	1/4" EYES	
429	6ga	Yellow	3.5	PANEL FEED - NEG	1/4" EYES	

**BOTTOM**

**TOP**



A=WIRES FROM PANEL  
 B=WIRES FROM PANEL  
 C=POSITION #1  
 D=POSITION #2  
 E=POSITION #3  
 F=POSITION #4  
 G=POSITION #5  
 H=POSITION #6


T1=SUMP PUMP  
 T2=CO ALARM  
 T3=STEREO MEMORY  
 T4=12V OUTLETS  
 T5=RUNNING LIGHTS  
 T6=COURTESY LT PWR  
 T7=FLOOR COURTESY LTS  
 T8=CABIN LIGHTS  
 T9=MACERATOR  
 T10=BLOWER RELAY  
 T11=BLOWER  
 T12=V-B ENTERTAINMENT

R1=20amp RESET, Main Entertainment  
 R2=15amp RESET, V-B Entertainment  
 R3=15amp RESET, Q-B Entertainment  
 R4=10amp RESET, Cockpit Stereo  
 R5=20amp RESET, Fwd Toilet  
 R6=20amp RESET, Aft Toilet

**RIGHT**

H1 #201 co alarm, Q-B  
 H2 #203 lights, stbd aft  
 H3 #205 parallel solenoid  
 H4 #206 HV relay  
 H5 #207 HV alarm Ind.  
 H6 #209 halon grd loop  
 H7 #210 stern light  
 H8 #212 stereo, cockpit  
 H9 #214 stereo, cockpit (mem)  
 H10 #215 gps/chartplotter  
 H11 #223 arch light  
 H12  
 H13  
 H14  
 H15  
 H16 #209A blower relay

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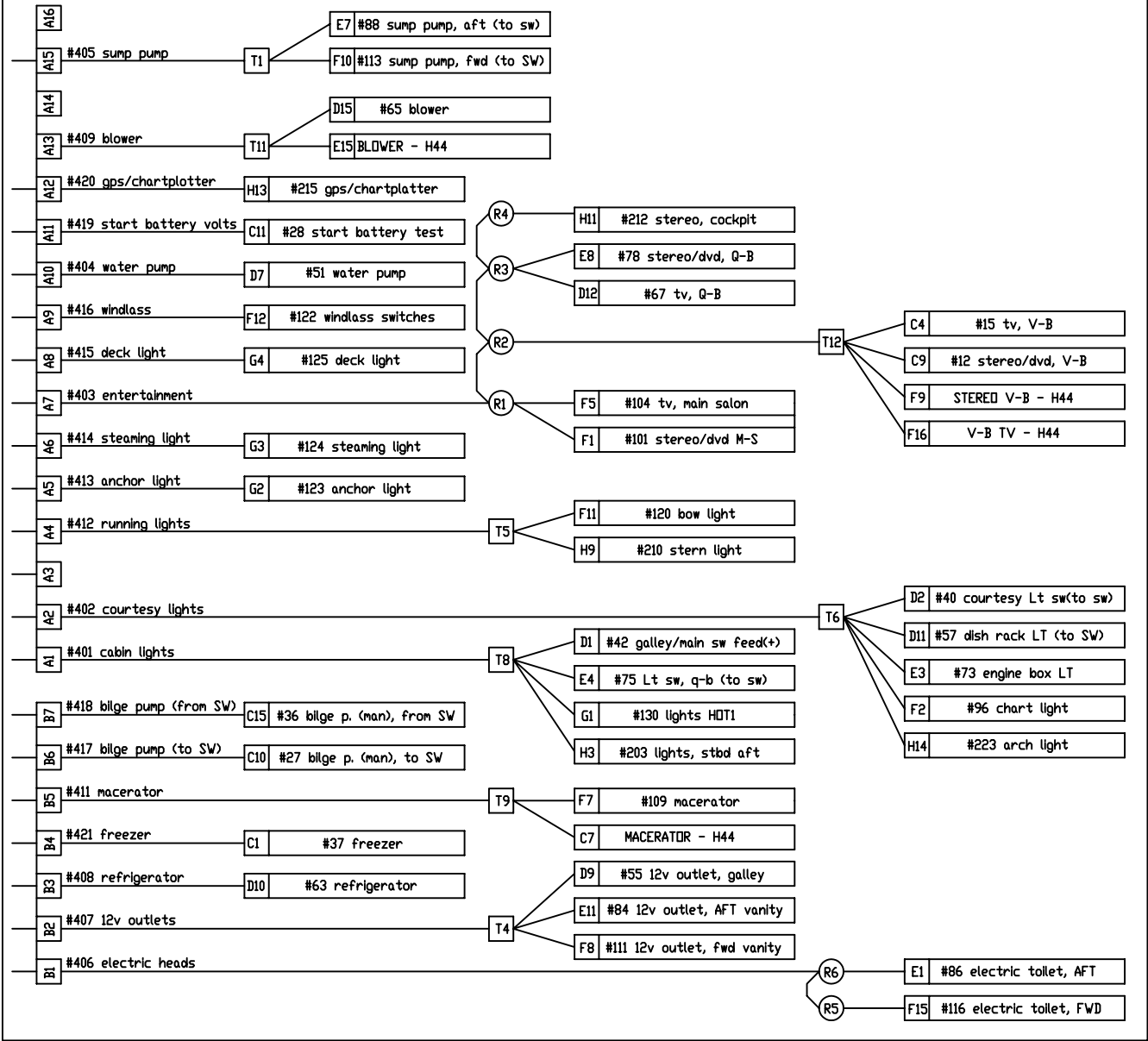
HUNTER 41

DRAWING TITLE:  
**ELECTRICAL JUNCTION BOX**

DRAWN BY: JLK	DATE: 7/2/2004	SHEET	OF
SCALE:	HUNTER PART NO.	REVISION	DRAW #

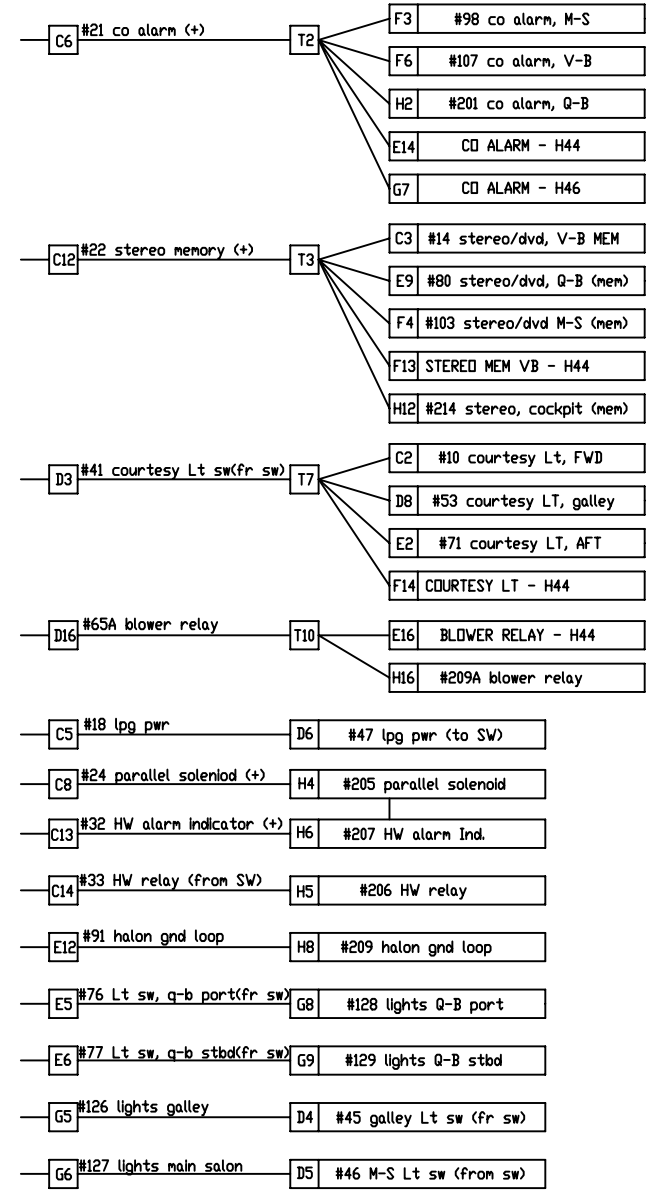
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## WIRES FROM PANEL TO HARNESS



**LEGEND**  
 [T] = TERMINAL BLOCK  
 (R) = RESET  
 [A-H] = CONNECTOR PIN ASSIGNMENT

## WIRES FROM HARNESS TO HARNESS

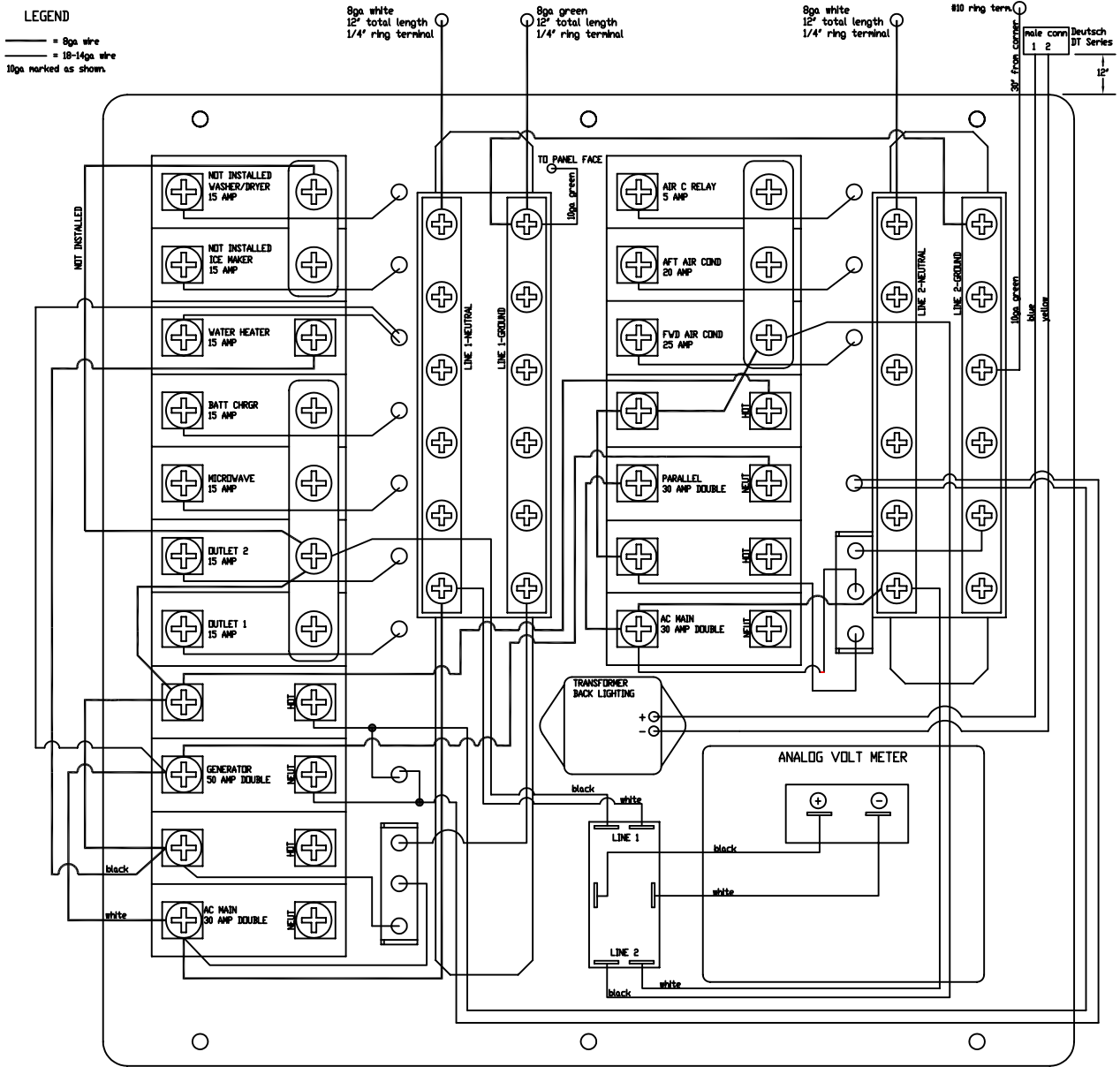


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DRAWING TITLE:  
**JUNCTION BOX INTERNAL CONNECTIONS**

DRAWN BY: JLK	DATE: 11/16/2004	SHEET	OF
------------------	---------------------	-------	----



**LEGEND**  
 — = 8ga wire  
 — = 18-14ga wire  
 10ga marked as shown.

SYMBOL	REVISIONS	DATE	ENG
A	UPDATE MAIN BREAKERS AND INDICATOR LIGHTS.	6/13/03	JLK

NOTE: ALL INDICATOR LIGHTS NEUTRAL WIRES CONNECTS TO EITHER LINE 1 OR LINE 2 NEUTRAL BUS UNLESS SPECIFIED.

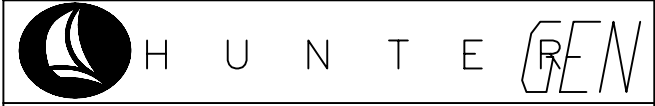
**BREAKER LIST FOR 120V PANEL -**

- AC MAIN - 30 AMP
- GENERATOR - 50 AMP
- OUTLETS - 15 AMP
- MICROWAVE - 15 AMP
- BATTERY CHARGER - 15 AMP
- WATER HEATER - 15 AMP
- FWD AIR COND. - 25 AMP
- AFT AIR COND. - 20 AMP
- AIR COND. RELAY - 5 AMP

**BREAKER LIST FOR 240V PANEL -**

- AC MAIN - 15 AMP
- GENERATOR - 30 AMP
- OUTLETS - 10 AMP
- MICROWAVE - 10 AMP
- BATTERY CHARGER - 10 AMP
- WATER HEATER - 10 AMP
- FWD AIR COND. - 15 AMP
- AFT AIR COND. - 10 AMP
- AIR COND. RELAY - 5 AMP

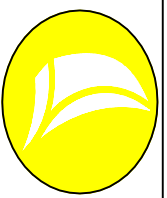
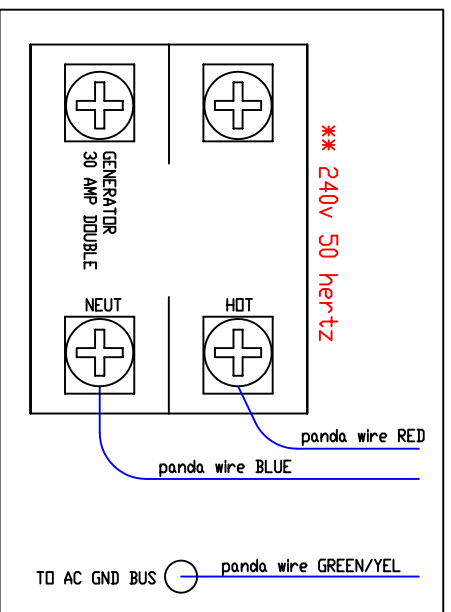
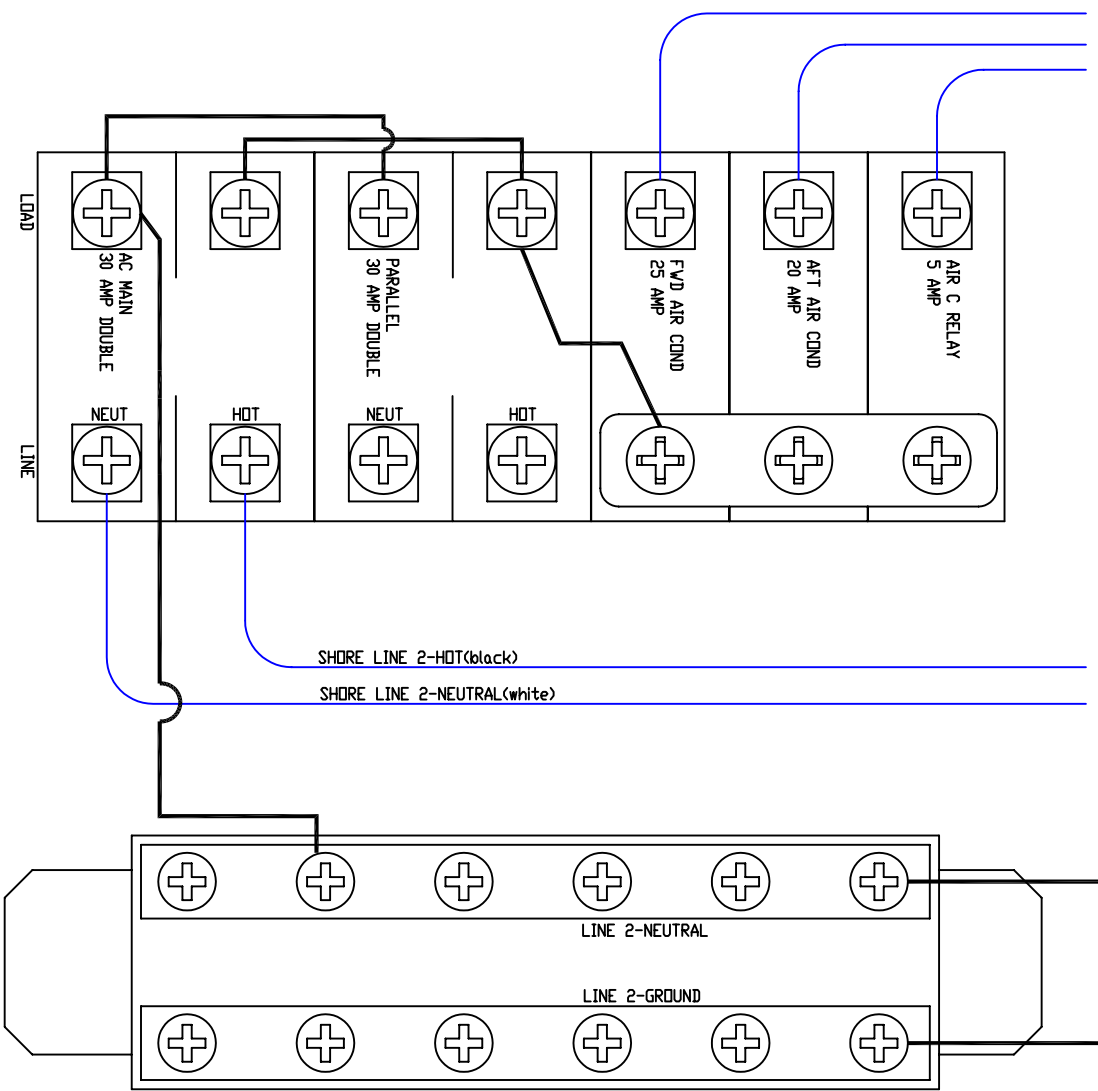
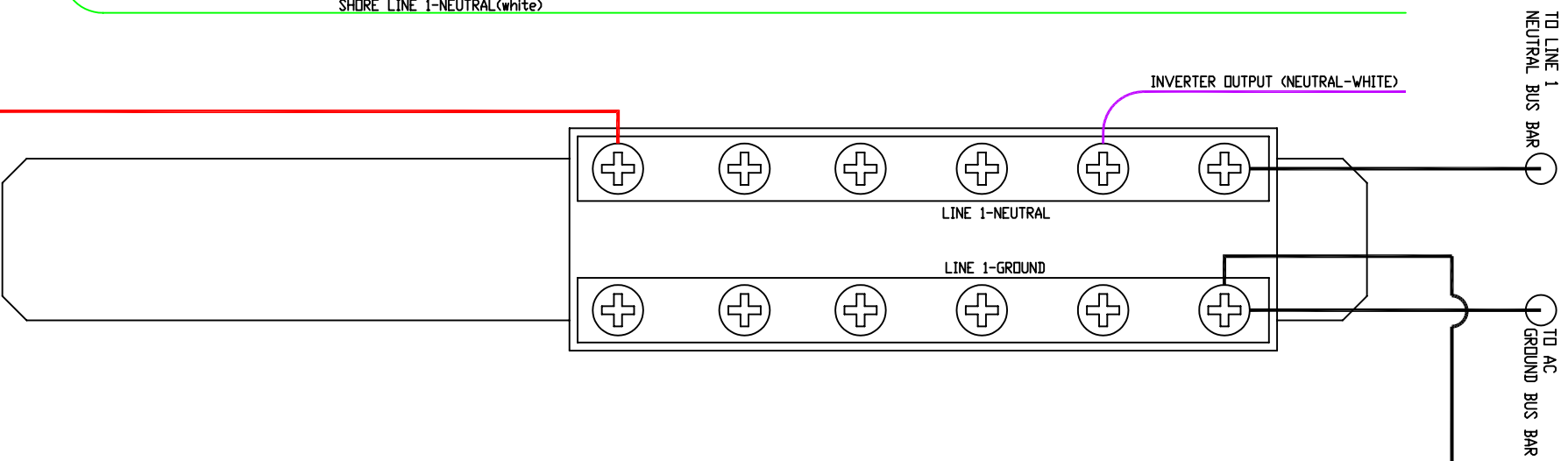
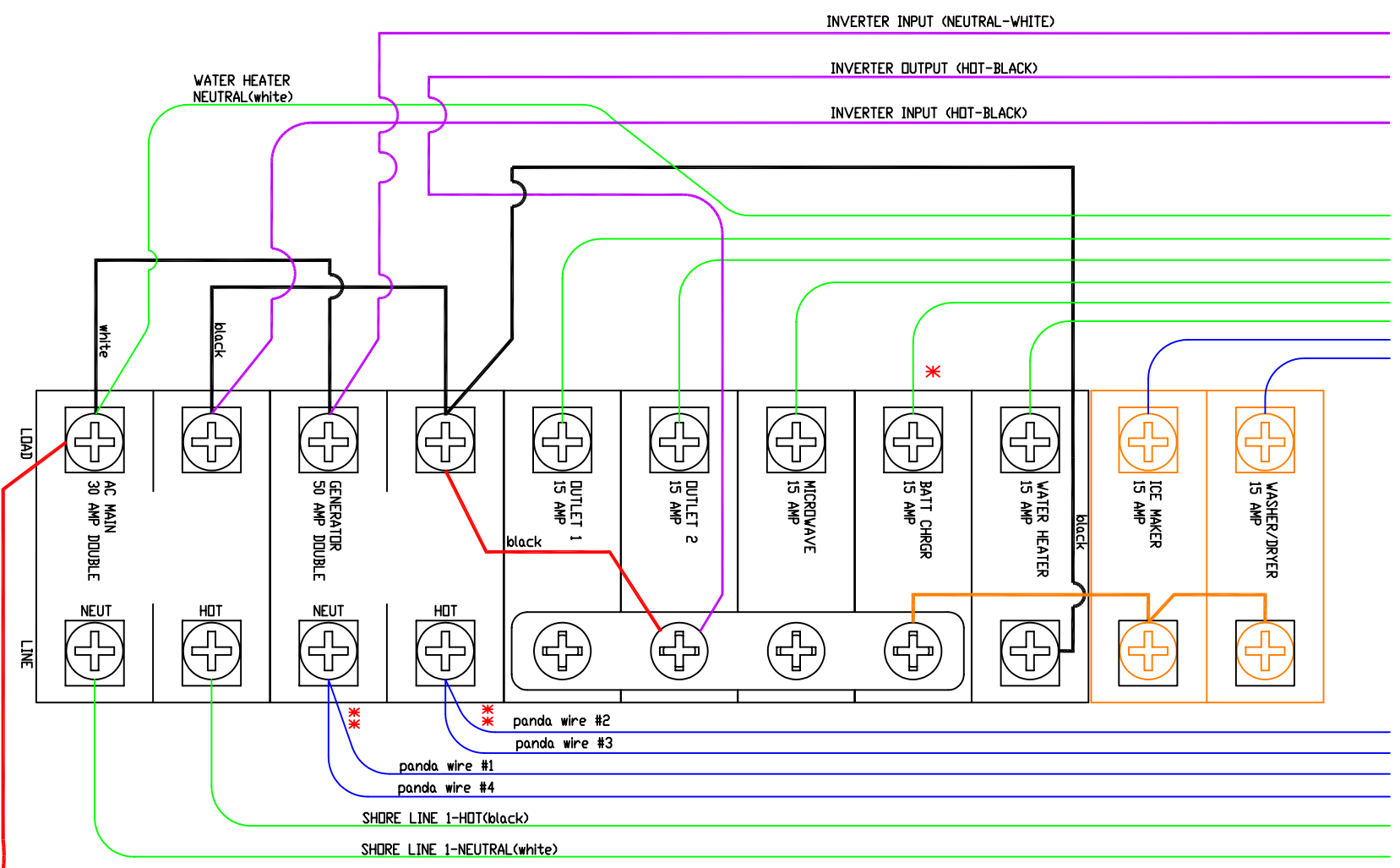
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DRAWING TITLE:  
**PANEL, AC WITH ANALOG METER**

DRAWN BY: JLK	DATE: 05-Mar-03	SHEET 1	OF 1
SCALE: 0.750	HUNTER PART NO. TBD	REVISION -	DRAW # DRW0002

- GREEN = Standard wire connections.
- RED = Wires removed for inverter option.
- PURPLE = Wire connections for inverter option.
- ORANGE = Wires and breakers added for options.
- BLUE = Wire connections for options.
- \* = Remove wire for inverter option and add SPARE label.



H U N T E R

GREEN

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DRAWING TITLE:

AC PANEL SCHEMATIC, PART 2

DRAWN BY:

JLK

DATE:

07-Mar-03

SHEET

1 OF 1

SCALE:

0.563

HUNTER PART NO.

TBD

REVISION

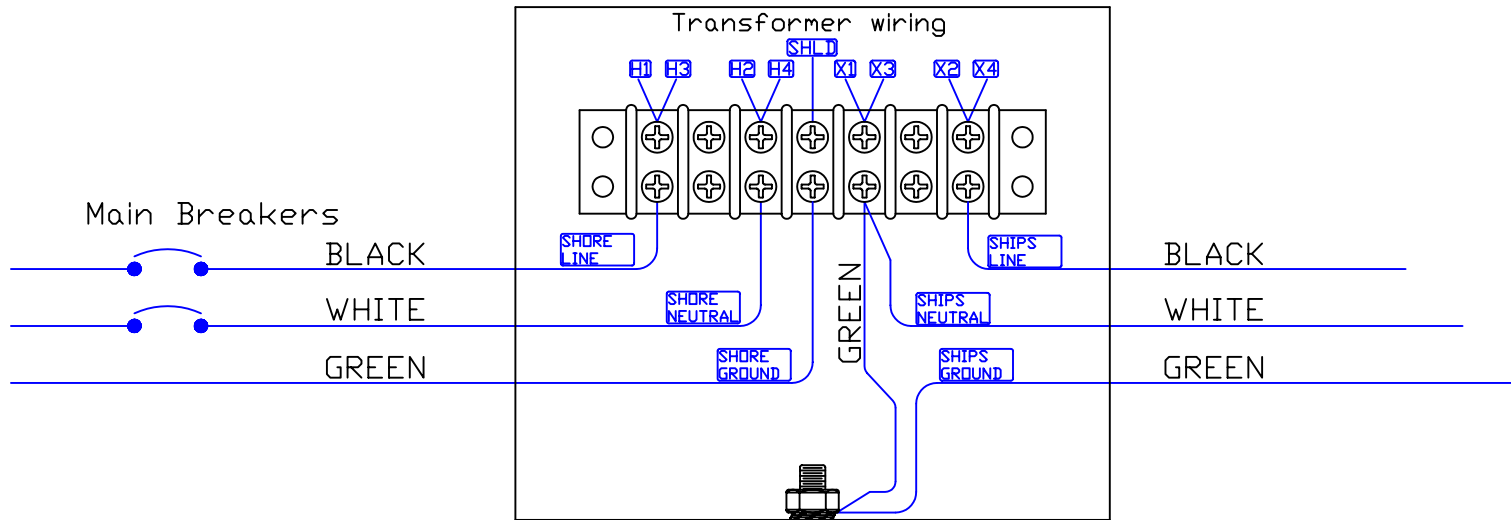
-

DRAW #

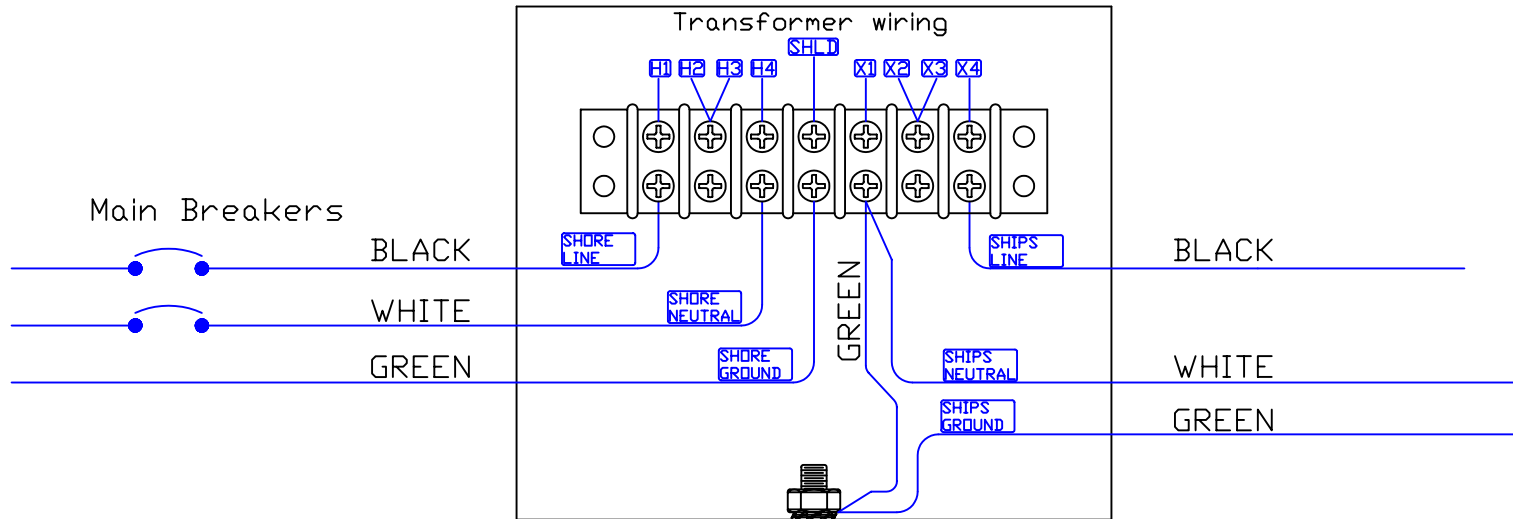
DRW0003



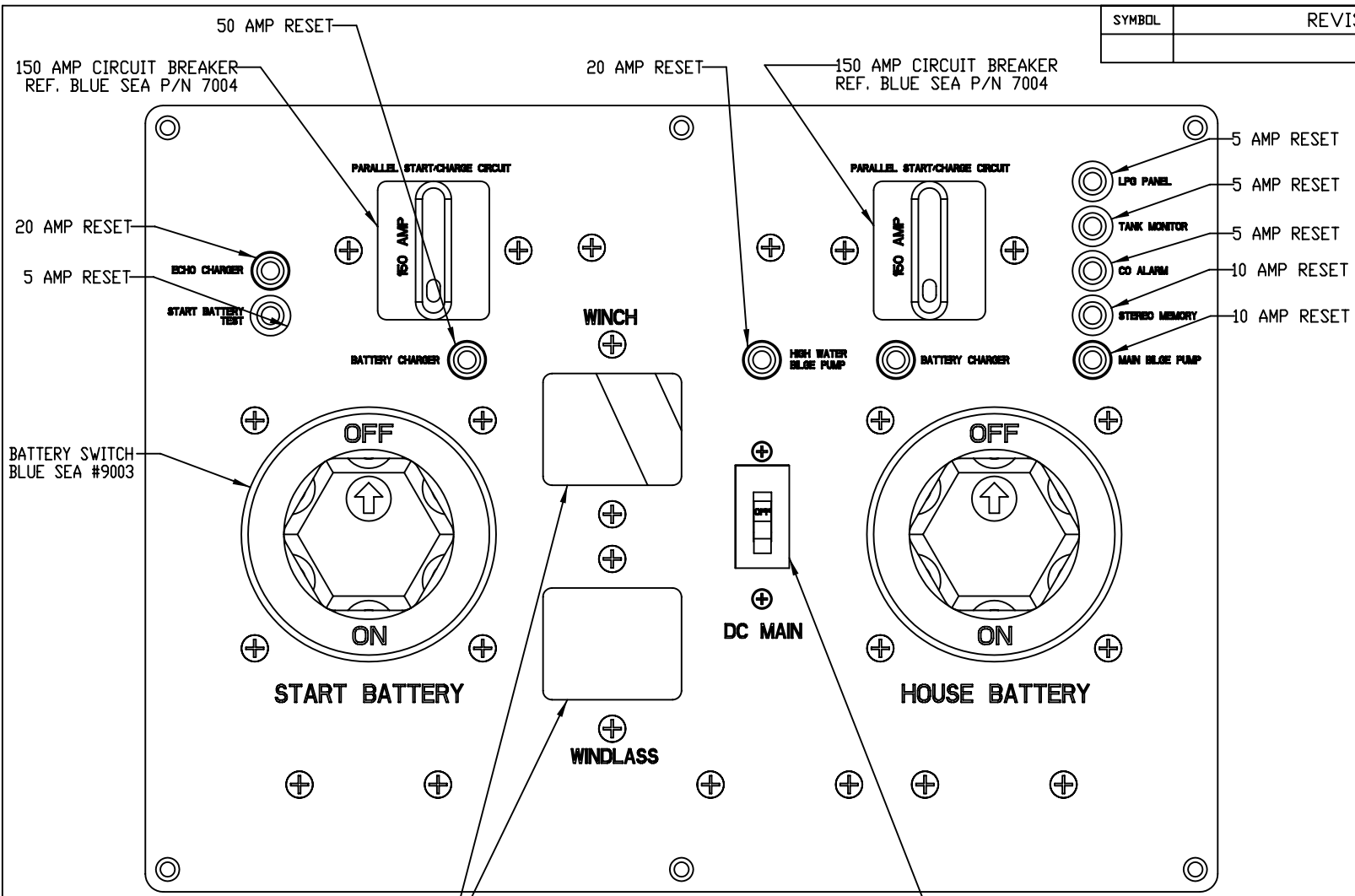
3.8 KVA Transformer  
Configured for 120 Volt Termination  
Isolation Transformer



3.8 KVA Transformer  
Configured for 230 Volt Termination  
Isolation Transformer



SYMBOL	REVISIONS	DATE	ENG



150 AMP CIRCUIT BREAKER  
REF. BLUE SEA P/N 7004

50 AMP RESET

20 AMP RESET

150 AMP CIRCUIT BREAKER  
REF. BLUE SEA P/N 7004

20 AMP RESET

5 AMP RESET

BATTERY SWITCH  
BLUE SEA #9003

START BATTERY

HOUSE BATTERY

DC MAIN

WINDLASS

WINCH

5 AMP RESET

5 AMP RESET

5 AMP RESET

10 AMP RESET

10 AMP RESET

MAIN BLUE PUMP

BATTERY CHARGER

HIGH WATER  
BLUE PUMP

BATTERY CHARGER

75 AMP CIRCUIT BREAKER  
DC C-SERIES

PLUG HOLES FOR OPTIONAL  
WINDLASS AND WINCH BREAKERS,  
ALSO SUPPLY MOUNTING SCREWS  
AND LINK PLATE.

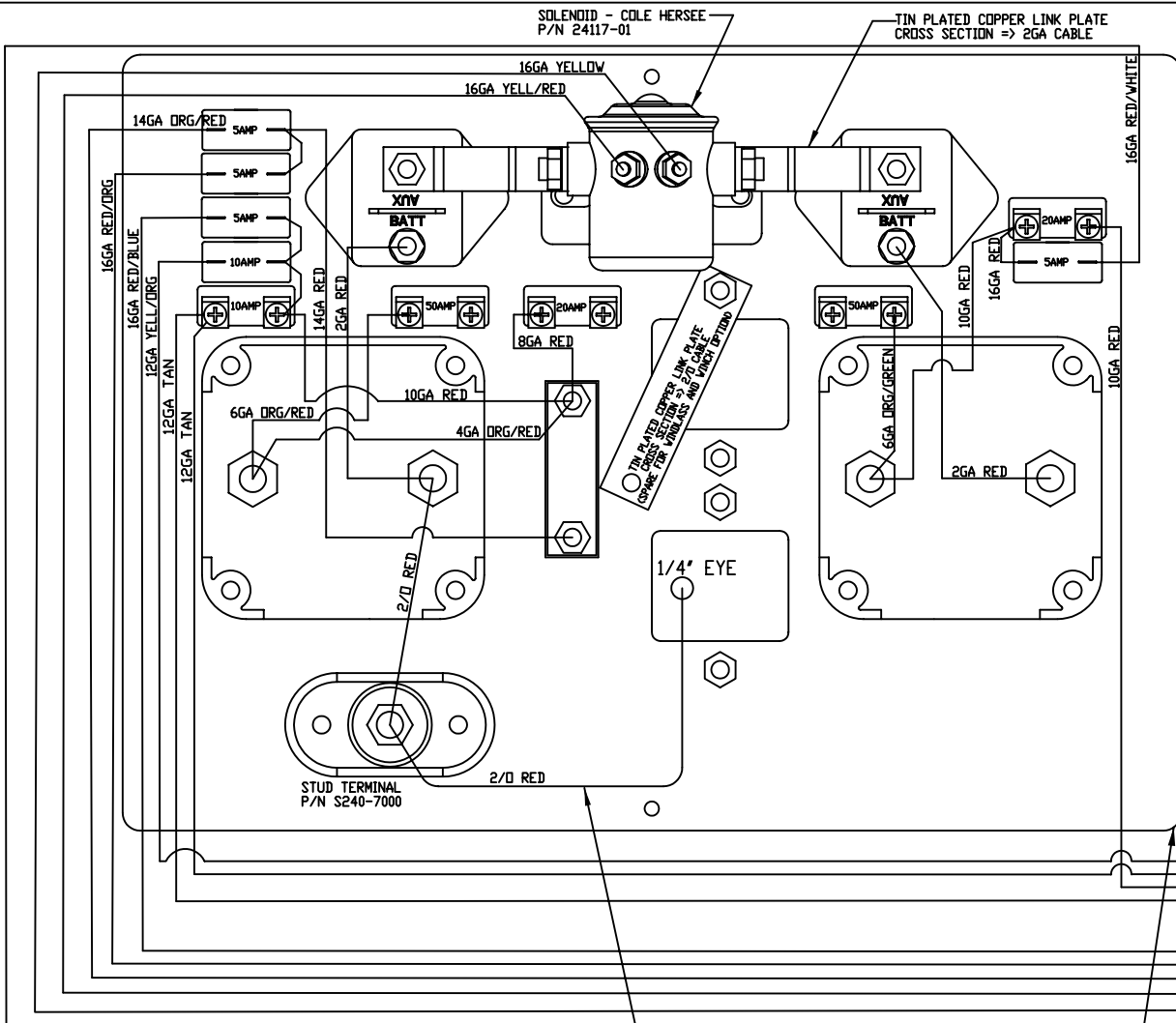
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HUNTER 41

DRAWING TITLE: PANEL, BATTERY SWITCH			
DRAWN BY: JLK	DATE: 24-Mar-03	SHEET 1	OF 1
SCALE: 0.045	HUNTER PART NO. TBD	REVISION -	DRAW # drawing number

CHECKED



SYMBDL	REVISIONS	DATE	ENG
A	Change Packard connectors to a single Deutsch connector.	6/02/2003	JLK
B	Change bilge wires to TAN, pin #2 and 4 of DTP connector.	9/04/2003	JLK
C	Delete two studs and update jumpers.	8/18/2004	JLK

TIN PLATED COPPER LINK PLATE  
CROSS SECTION => 2GA CABLE  
CROSS SECTION FOR WINDLASS AND OTHER (SEE 7200)

STUD TERMINAL  
P/N S240-7000

DO NOT CONNECT TO STUD TERMINAL.  
SECURE CABLE TO OPTIONAL BREAKER  
MOUNTING SCREWS FOR WINDLASS OPTION.

- 8" FROM CORNER
- 1 } DEUTSCH FEMALE CONNECTOR
- 2 } 4 PIN, DTP SERIES
- 3 }
- 4 }
- 1 } DEUTSCH FEMALE CONNECTOR
- 2 } 6 PIN, DT SERIES
- 3 }
- 4 }
- 5 }
- 6 }

NOTE: Panel prewired from vendor.

PROPRIETARY INFORMATION THIS DRAWING CONTAINS INFORMATION FOR WHICH HUNTER MARINE CORPORATION HAS PROPRIETARY RIGHTS.



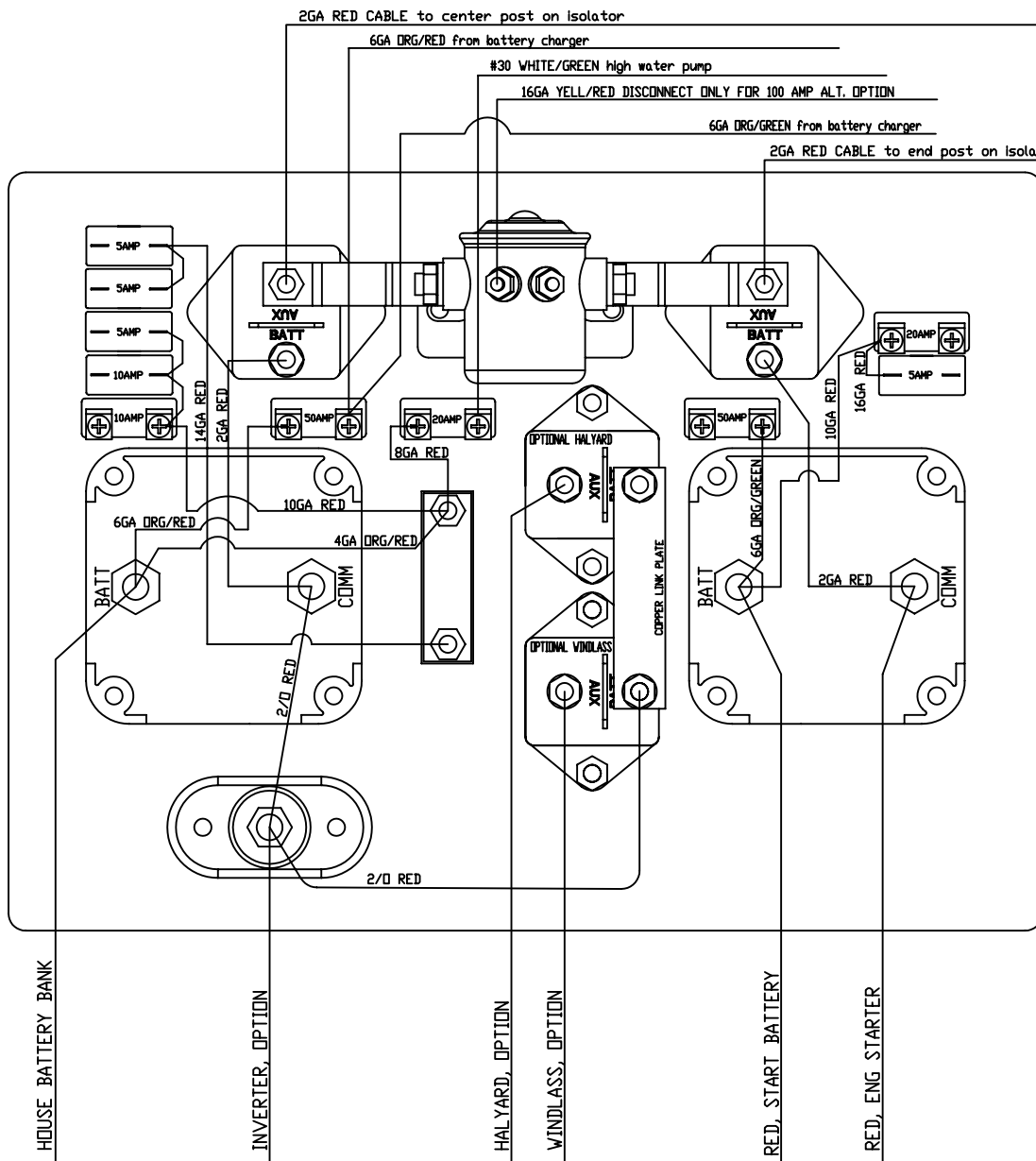
HUNTER 41

DRAWING TITLE:  
**PANEL, BATTERY SWITCH, BACKSIDE P1**

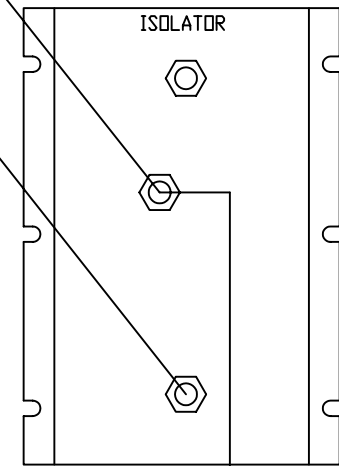
DRAWN BY: *JLK*      DATE: *02-Mar-03*      SHEET *1* OF *3*

SCALE: *0.045*      HUNTER PART NO. *TBD*      REVISION: *-*      DRAW # *drawing number*

CHECKED



NOTE: ISOLATOR LOCATED UNDER NAV STATION STEP



2GA RED for 100 amp alt. option only

NOTE: Drawing shows all combinations for 120V boat.  
 -For 100amp alternator option add isolator and cables. Also disconnect 16ga YELLOW/RED from solenoid, be sure to tape end of wire and secure.  
 -For inverter option, do not install battery charger wires. Be sure to connect echo charger wire #23 to echo charger output on the side of the inverter.  
 All other connections are standard, except for the electric halyard and windlass.

HOUSE BATTERY BANK

INVERTER, OPTION

HALYARD, OPTION

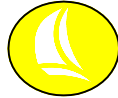
WINDLASS, OPTION

RED, START BATTERY

RED, ENG STARTER

CHECKED

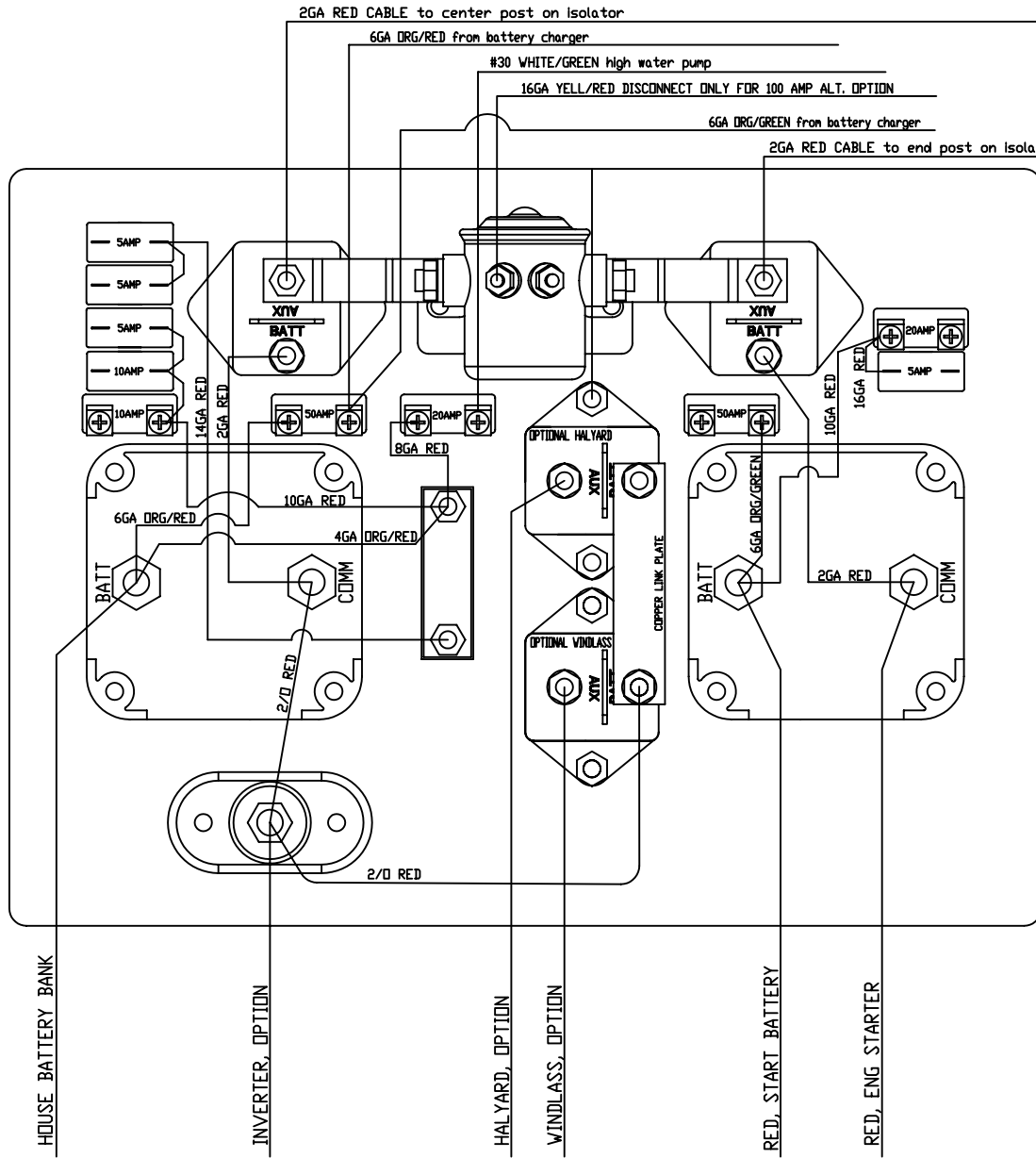
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**HUNTER 41**

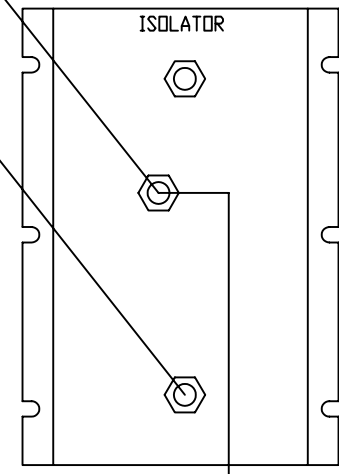
DRAWING TITLE:  
**PANEL, BATTERY SWITCH, BACKSIDE P2**

DRAWN BY: JLK	DATE: 02-Mar-03	SHEET 2	OF 3
SCALE: 0.045	HUNTER PART NO. TBD	REVISION -	DRW # drawing number




2GA RED CABLE to center post on Isolator  
 6GA DRG/RED from battery charger  
 #30 WHITE/GREEN high water pump  
 16GA YELL/RED DISCONNECT ONLY FOR 100 AMP ALT. OPTION  
 6GA DRG/GREEN from battery charger  
 2GA RED CABLE to end post on Isolator

NOTE: ISOLATOR LOCATED UNDER NAV STATION STEP

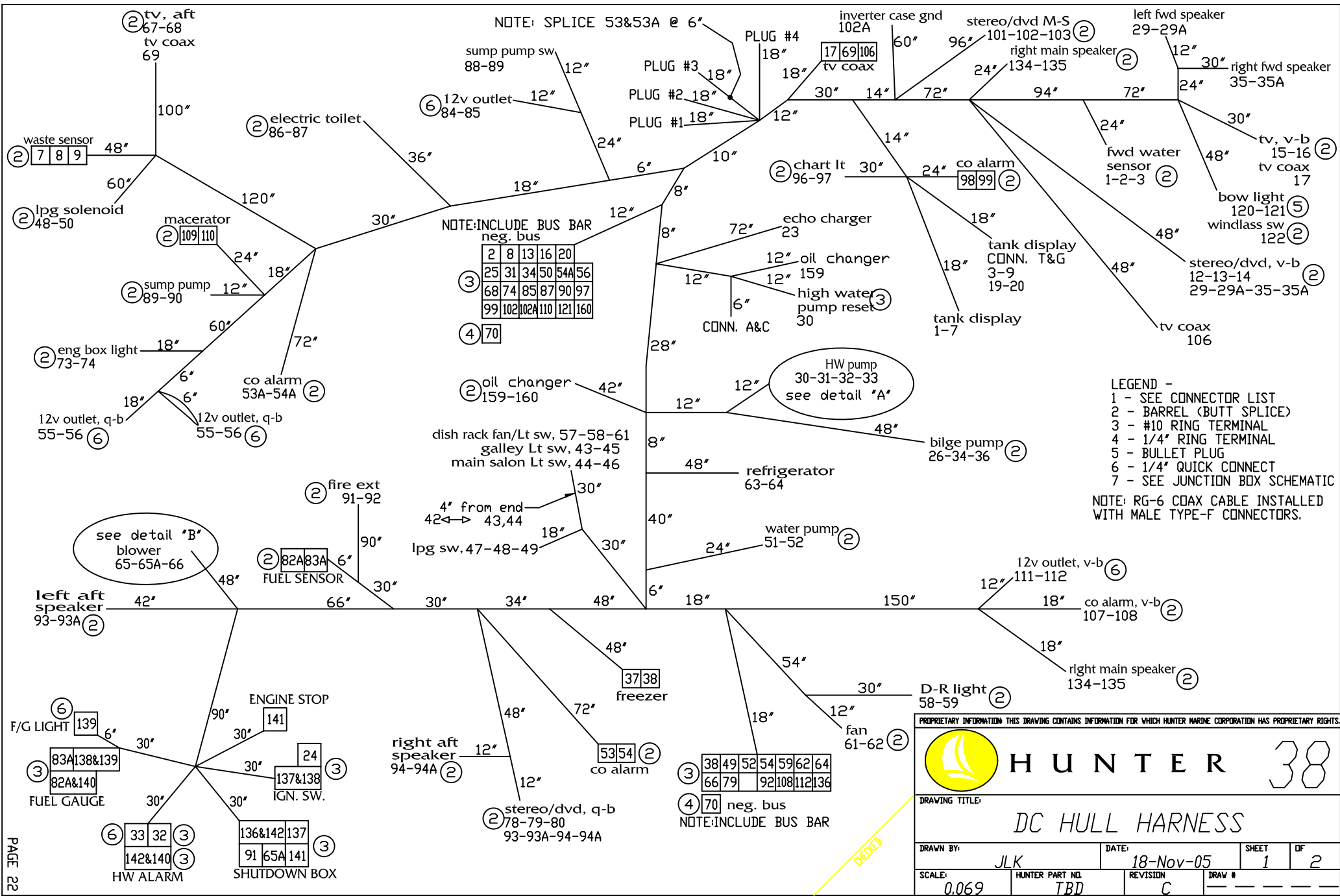


2GA RED for 100 amp alt. option only


NOTE: Drawing shows all combinations for 230V boat.  
 -For 100amp alternator option add Isolator and cables. Also disconnect 16ga YELLOW/RED from solenoid, be sure to tape end of wire and secure.  
 -For inverter option, do not install battery charger wires. Add Isolator and cables.  
 -Isolator connections are the same for both the inverter and 100amp alternator options, except for the alternator output cable.  
 All other connections are standard, except for the electric halyard and windlass.

PROPRIETARY INFORMATION THIS DRAWING CONTAINS INFORMATION FOR WHICH HUNTER MARINE CORPORATION HAS PROPRIETARY RIGHTS					
		HUNTER		41	
DRAWING TITLE: PANEL, BATTERY SWITCH, BACKSIDE P3					
DRAWN BY: JLK		DATE: 02-Mar-03		SHEET 3 OF 3	
SCALE: 0.045		HUNTER PART NO. TBD		REVISION - DRAW # drawing number	

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# HUNTER 38

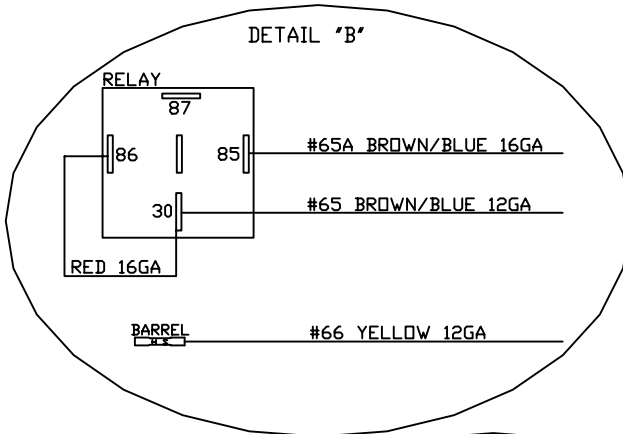
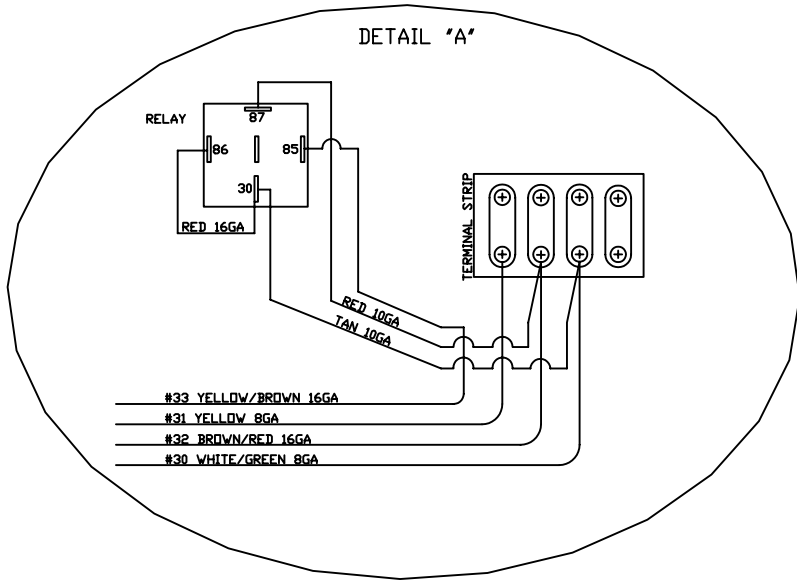
DRAWING TITLE: DC HULL HARNESS

DRAWN BY: JLK DATE: 18-Nov-05 SHEET 1 OF 2

SCALE: 0.069 HUNTER PART NO. TBD REVISION C DRAW #

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SYMBOL	REVISIONS	DATE	ENG



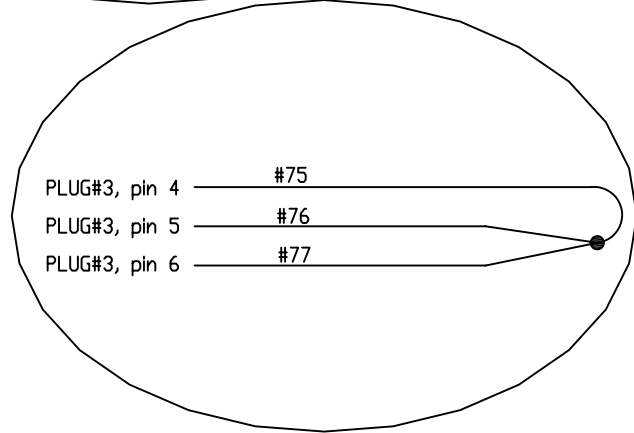
CONNECTOR TYPES

CONN. A	Deutsch DTP 4-pin, male housing w/female pins
CONN. C	Deutsch DT 6-pin, male housing w/female pins
CONN. T	Deutsch DT 2-pin, female housing w/male pins

CONN. A	WIRE #	CONN. C	WIRE #	CONN. T	WIRE #
1	22	1	21	1	3
2	27	2	19	2	9
3	23	3	18		
4	26	4	24		
		5	25		
		6	28		

DEUTSCH DT 2-PIN MALE HOUSING W/FEMALE PINS

CONN. G	WIRE #
1	19
2	20



CONNECTOR TYPE - AMP MODEL #207485-1

PLUG#1	WIRE #	PLUG#2	WIRE #	PLUG#3	WIRE #	PLUG#4	WIRE #
1	#37	1	#42	1	#86	1	#101
2	---	2	---	2	---	2	#96
3	#14	3	---	3	#73	3	#98
4	#15	4	#45	4	#75	4	#103
5	#18	5	#46	5	#76	5	---
6	#21	6	#47	6	#77	6	#107
7	---	7	#51	7	#88	7	#109
8	---	8	---	8	#78	8	#111
9	#12	9	#55	9	#80	9	---
10	#27	10	#63	10	---	10	---
11	#28	11	#57	11	#84	11	#120
12	#22	12	#67	12	---	12	#122
13	---	13	---	13	---	13	---
14	---	14	---	14	#53	14	---
15	#36	15	#65	15	---	15	---
16	---	16	---	16	---	16	---

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DRAWING TITLE: DC HULL HARNESS

DRAWN BY: JLK DATE: 28-Apr-05 SHEET 2 OF 2

SCALE: 0.026 HUNTER PART NO. TBD REVISION B DRAW #



**38 HULL HARNESS WIRE LIST**

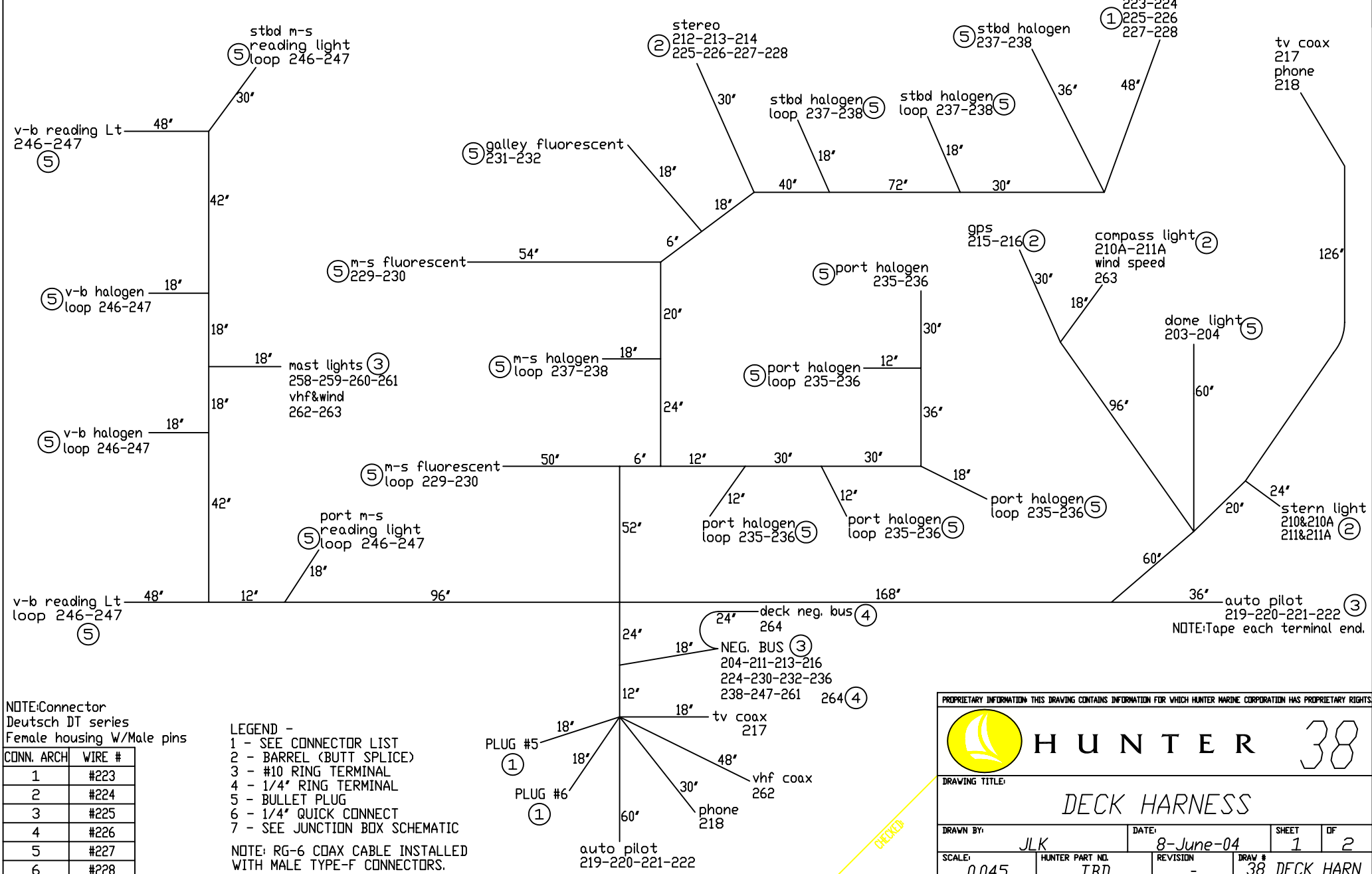
Date:11/18/2005

<b>WIRE#</b>	<b>GAUGE</b>	<b>COLOR</b>	<b>FEET</b>	<b>DESCRIPTION</b>	<b>INCHES</b>
1	16ga	Orange/Blue	19.667	WATER SENSOR FWD (+)	236
2	16ga	Yellow	23	WATER SENSOR FWD (-)	276
3	16ga	Pink/Black	19.667	WATER SENSOR FWD (S)	236
7	16ga	Orange/Green	25.5	WASTE SENSOR (+)	306
8	16ga	Yellow	20.167	WASTE SENSOR (-)	242
9	16ga	Pink/Gray	25.5	WASTE SENSOR (S)	306
12	14ga	Red/Yellow	16.167	STEREO/DVD, V-B (+)	194
13	14ga	Yellow	17.167	STEREO/DVD, V-B (-)	206
14	14ga	Yellow/Org	16.167	STEREO/DVD, V-B (MEM)	194
15	14ga	Red/Green	28.5	TV, V-B (+)	342
16	14ga	Yellow	29.5	TV, V-B (-)	354
17	RG-6	White	27.5	TV COAX, V-B	330
18	14ga	Orange/Red	10.833	LPG PWR (+)	130
19	16ga	Red/Org	9.8333	TANK MONITOR (+)	118
20	16ga	Yellow	8.6667	TANK MONITOR (-)	104
21	16ga	Red/Blue	5.1667	CO ALARM (+)	62
22	14ga	Yellow/Org	5.1667	STEREO MEMORY (+)	62
23	10ga	Red	7.5	ECHO CHARGER (+)	90
24	16ga	Yellow/Red	33.167	PARALLEL SOLENOID (+)	398
25	16ga	Yellow	3.1667	PARALLEL SOLENOID (-)	38
26	12ga	Brown/Org	8.8333	MAIN BILGE PUMP (AUTO)	106
27	12ga	Brown/Red	5.1667	MAIN BILGE PUMP (MANUAL), TO SW	62
28	16ga	Red/White	5.1667	START BATTERY TEST (+)	62
29	16ga	White/Red	20.833	FWD CABIN LEFT SPEAKER (+)	250
29A	16ga	White/Yellow	20.833	FWD CABIN LEFT SPEAKER (-)	250
30	8ga	White/Green	6.3333	HIGH WATER PUMP (+)	76
31	8ga	Yellow	6	HIGH WATER PUMP (-)	72
32	16ga	Brown/Red	29.5	HIGH WATER ALARM INDICATOR (+)	354
33	16ga	Yellow/Brown	29.5	HIGH WATER PUMP RELAY (FROM SW)	354
34	12ga	Yellow	9	MAIN BILGE PUMP (-)	108
35	16ga	White/Brown	22.333	FWD CABIN RIGHT SPEAKER (+)	268
35A	16ga	White/Black	22.333	FWD CABIN RIGHT SPEAKER (-)	268
36	12ga	Brown/Red	11	MAIN BILGE PUMP (MANUAL), FROM SW	132
37	10ga	Red/White	18.5	FREEZER (+)	222
38	10ga	Yellow	11	FREEZER (-)	132
42	10ga	Blue	15.167	GALLEY/MAIN SW FEED (+)	182
43	14ga	Blue	0.3333	GALLEY LIGHT SW (TO SW)	4
44	14ga	Blue	0.3333	MAIN SALON LIGHT SW (TO SW)	4
45	14ga	Blue	15.5	GALLEY LIGHT SW (FROM SW)	186
46	14ga	Blue	15.5	MAIN SALON LIGHT SW (FROM SW)	186
47	14ga	Orange/Red	14.5	LPG PWR (TO SW)	174
48	14ga	Orange/Grn	31.667	LPG SOLENOID (FROM SW)	380
49	16ga	Yellow	7	LPG INDICATOR (-)	84
50	14ga	Yellow	21.167	LPG SOLENOID (-)	254
51	12ga	Brown	12	WATER PUMP (+)	144
52	12ga	Yellow	5.5	WATER PUMP (-)	66
53	16ga	Red/Blue	24	CO ALARM, Q-B (+)	288
53A	16ga	Red/Blue	12.833	CO ALARM, Q-B (+)	154
54	16ga	Yellow	15.833	CO ALARM, Q-B (-)	190
54A	16ga	Yellow	12.167	CO ALARM, Q-B (-)	146
55	14ga	Red	16.333	12v OUTLET, AFT CABIN (+)	196
56	14ga	Yellow	15.667	12v OUTLET, AFT CABIN (-)	188
57	16ga	Blue/White	15.5	DISH RACK LIGHT (TO SW)	186
58	16ga	Blue/White	13.5	DISH RACK LIGHT (FROM SW)	162
59	16ga	Yellow	8.5	DISH RACK LIGHT (-)	102

WIRE#	GAUGE	COLOR	FEET	DESCRIPTION	INCHES
61	16ga	White	12	DISH RACK FAN (+)	144
62	16ga	Yellow	7	DISH RACK FAN (-)	84
63	10ga	Red/Black	9.8333	REFRIGERATOR (+)	118
64	10ga	Yellow	8.6667	REFRIGERATOR (-)	104
65	12ga	Brown/Blue	29.333	BLOWER (+)	352
65A	16ga	Brown/Blue	30.333	BLOWER RELAY	364
66	12ga	Yellow	21.833	BLOWER (-)	262
67	14ga	Red/Green	25.167	TV, Q-B (+)	302
68	14ga	Yellow	24.5	TV, Q-B (-)	294
69	RG-6	White	26.167	TV COAX, Q-B	314
70	8ga	Yellow	11.5	NEG. BUS TO PORT	138
73	16ga	Blue/White	14.833	ENGINE BOX LIGHT (+)	178
74	16ga	Yellow	14.167	ENGINE BOX LIGHT (-)	170
75	14ga	Blue	1	LIGHTS, AFT PORT&STBD (+)	12
76	14ga	Blue	0.6667	LIGHTS, AFT PORT (+)	8
77	14ga	Blue	0.6667	LIGHTS, AFT STBD (+)	8
78	14ga	Red/Yellow	23	STEREO/DVD, Q-B (+)	276
79	14ga	Yellow	14.833	STEREO/DVD, Q-B (-)	178
80	14ga	Yellow/Org	23	STEREO/DVD, Q-B (MEM)	276
82A	16ga	Yellow	18.5	FUEL TANK SENSOR (-)	222
83A	16ga	Pink	18.5	FUEL TANK SENSOR (S)	222
84	14ga	Red	5.8333	12v OUTLET, AFT VANITY (+)	70
85	14ga	Yellow	5.1667	12v OUTLET, AFT VANITY (-)	62
86	10ga	Brown/Pink	7.3333	ELECTRIC TOILET, AFT (+)	88
87	10ga	Yellow	6.6667	ELECTRIC TOILET, AFT (-)	80
88	12ga	Brown/Yellow	5.8333	SUMP PUMP, AFT (TO SW)	70
89	12ga	Brown/Yellow	9.5	SUMP PUMP, AFT (FROM SW)	114
90	12ga	Yellow	8.6667	SUMP PUMP, AFT (-)	104
91	16ga	Black/Yellow	25.5	HALON GND LOOP	306
92	16ga	Black/Yellow	22.333	HALON GND LOOP	268
93	16ga	White/Green	16.5	AFT CABIN LEFT SPEAKER (+)	198
93A	16ga	White/Yellow	16.5	AFT CABIN LEFT SPEAKER (-)	198
94	16ga	White/Violet	2	AFT CABIN RIGHT SPEAKER (+)	24
94A	16ga	White/Black	2	AFT CABIN RIGHT SPEAKER (-)	24
96	16ga	Blue/White	8.6667	CHART LIGHT, (+)	104
97	16ga	Yellow	9.6667	CHART LIGHT, (-)	116
98	16ga	Red/Blue	8.1667	CO ALARM, M-S (+)	98
99	16ga	Yellow	9.1667	CO ALARM, M-S (-)	110
101	10ga	Red/Yellow	14.167	STEREO/DVD MAIN SALON (+)	170
102	10ga	Yellow	15.167	STEREO/DVD MAIN SALON (-)	182
102A	10ga	Green/Yellow	12.167	INVERTER CASE GROUND	146
103	14ga	Yellow/Org	14.167	STEREO/DVD MAIN SALON (MEM)	170
106	RG-6	White	15.167	TV COAX, MAIN SALON	182
107	16ga	Red/Blue	26	CO ALARM, V-B (+)	312
108	16ga	Yellow	15.5	CO ALARM, V-B (-)	186
109	10ga	Brown/White	10.333	MACERATOR (+)	124
110	10ga	Yellow	9.6667	MACERATOR (-)	116
111	14ga	Red	25.5	12v OUTLET, V-B (+)	306
112	14ga	Yellow	15	12v OUTLET, V-B (-)	180
120	16ga	Gray/White	30	BOW LIGHT, (+)	360
121	16ga	Yellow	32	BOW LIGHT, (-)	384
122	16ga	Tan	29	WINDLASS SWITCHES (+)	348
134	16ga	White/Blue	37.167	MAIN CABIN RIGHT SPEAKER (+)	446
135	16ga	White/Black	37.167	MAIN CABIN RIGHT SPEAKER (-)	446
136	14ga	Yellow	27.833	SHUTDOWN CONTROL BOX (-)	334

<b>WIRE#</b>	<b>GAUGE</b>	<b>COLOR</b>	<b>FEET</b>	<b>DESCRIPTION</b>	<b>INCHES</b>
137	16ga	Red	5	SHUTDOWN CONTROL BOX (+)	60
138	16ga	Red	5	FUEL GAUGE POWER	60
139	16ga	Blue	0.5	FUEL GAUGE LIGHT	6
140	16ga	Yellow	5	FUEL GAUGE NEG.	60
141	16ga	White/Brown	5	ENGINE STOP	60
142	16ga	Yellow	5	HW WATER ALARM NEG.	60
159	12ga	Brown/Green	7.8333	OIL CHANGER (+)	94
160	12ga	Yellow	7.5	OIL CHANGER (-)	90

SYMBOL	REVISIONS	DATE	ENG



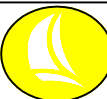
NOTE: Connector Deutsch DT series Female housing W/Male pins

CONN. ARCH	WIRE #
1	#223
2	#224
3	#225
4	#226
5	#227
6	#228

LEGEND -  
 1 - SEE CONNECTOR LIST  
 2 - BARREL (BUTT SPLICE)  
 3 - #10 RING TERMINAL  
 4 - 1/4" RING TERMINAL  
 5 - BULLET PLUG  
 6 - 1/4" QUICK CONNECT  
 7 - SEE JUNCTION BOX SCHEMATIC

NOTE: RG-6 COAX CABLE INSTALLED WITH MALE TYPE-F CONNECTORS.

PROPRIETARY INFORMATION THIS DRAWING CONTAINS INFORMATION FOR WHICH HUNTER MARINE CORPORATION HAS PROPRIETARY RIGHTS



**HUNTER** 38

DRAWING TITLE: **DECK HARNESS**

DRAWN BY: *JLK* DATE: *8-June-04* SHEET *1* OF *2*

SCALE: *0.045* HUNTER PART NO. *TBD* REVISION *-* DRAW # *38\_DECK\_HARN*

CHECKED

SYMBOL	REVISIONS	DATE	ENG

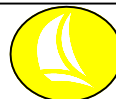
CONNECTOR TYPE - AMP MODEL #207485-1

PLUG#5	WIRE #	PLUG#6	WIRE #
1	#246	1	---
2	#258	2	---
3	#259	3	#203
4	#260	4	---
5	#231	5	---
6	#229	6	---
7	---	7	---
8	#235	8	---
9	#237	9	#210
10	---	10	---
11	---	11	#212
12	---	12	#214
13	---	13	#215
14	---	14	#223
15	---	15	---
16	---	16	---

NOTE:Connector  
Deutsch, DT Female housing w/male pins

CONN. ARCH	WIRE #
1	#223
2	#224
3	#225
4	#226
5	#227
6	#228

PROPRIETARY INFORMATION THIS DRAWING CONTAINS INFORMATION FOR WHICH HUNTER MARINE CORPORATION HAS PROPRIETARY RIGHTS.



**HUNTER** 38

DRAWING TITLE: DC DECK HARNESS

DRAWN BY: JLK DATE: 8-June-04 SHEET 2 OF 2

SCALE: 0.026 HUNTER PART NO. TBD REVISION - DRAW #

CHECKED

**38 DECK HARNESS WIRE LIST**

6/08/2004

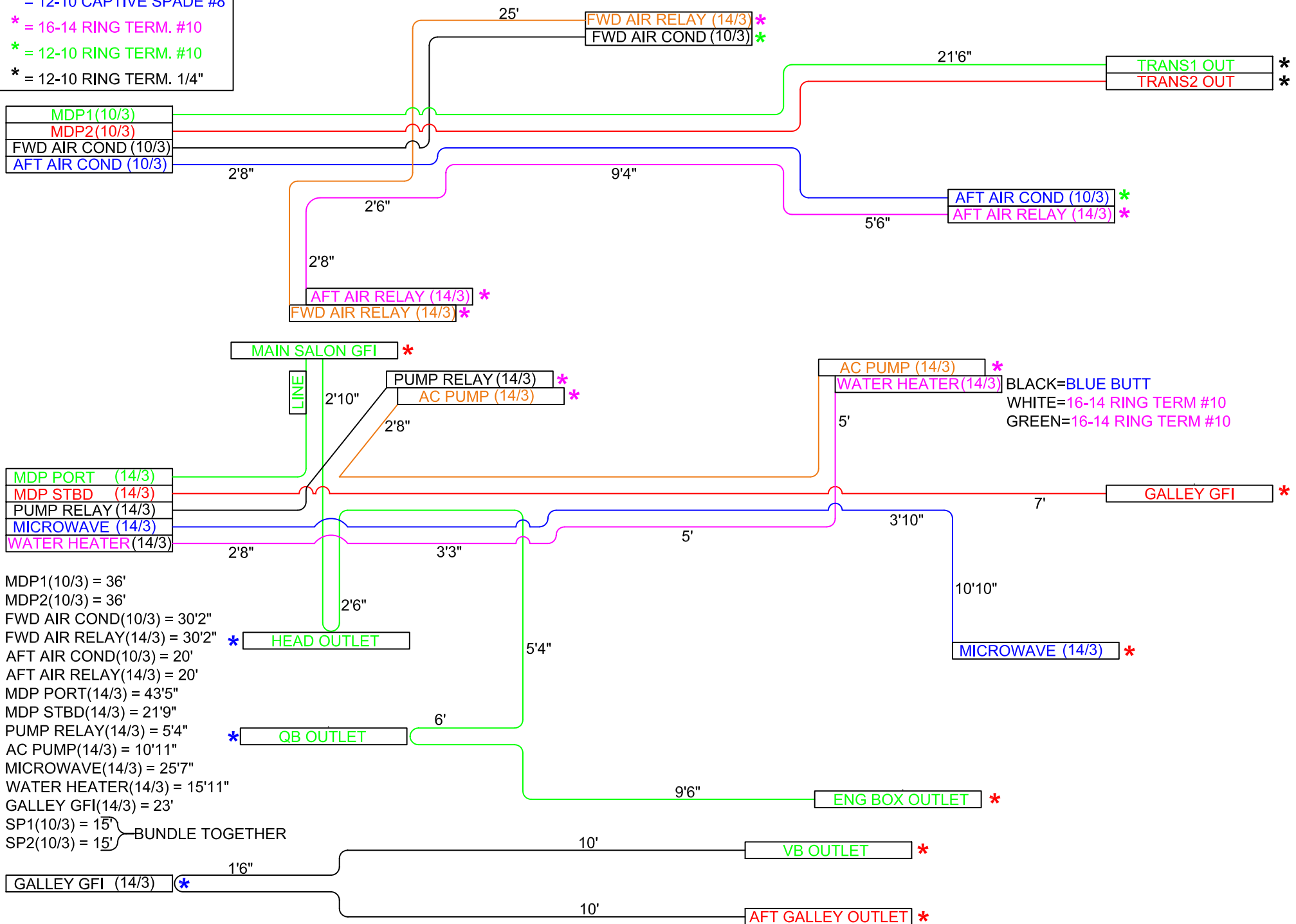
<b>WIRE#</b>	<b>GAUGE</b>	<b>COLOR</b>	<b>FEET</b>	<b>DESCRIPTION</b>	<b>INCHES</b>
203	14ga	Blue	28.500	LIGHTS, AFT DOME (+)	342
204	14ga	Yellow	27.500	LIGHTS, AFT DOME (-)	330
210	14ga	Gray/Yellow	27.167	STERN/COMPASS LIGHT (+)	326
210A	16ga	Gray/Yellow	13.167	COMPASS LIGHT (+)	158
211	14ga	Yellow	26.167	STERN/COMPASS LIGHT (-)	314
211A	16ga	Yellow	13.167	COMPASS LIGHT (-)	158
212	14ga	Red/Yellow	17.500	STEREO, COCKPIT (+)	210
213	14ga	Yellow	16.500	STEREO, COCKPIT (-)	198
214	14ga	Yellow/Orange	17.500	STEREO, COCKPIT MEMORY	210
215	14ga	Red/Black	34.000	GPS/CHARTPLOTTER (+)	408
216	14ga	Yellow	33.000	GPS/CHARTPLOTTER (-)	396
217	RG6QS	White	35.667	TV COAX FEED	428
218	--	4 conductor	36.667	PHONE CABLE	440
219	8ga	Red	25.000	AUTO PILOT DRIVE (+)	300
220	8ga	Yellow	25.000	AUTO PILOT DRIVE (-)	300
221	14ga	Red	25.000	AUTO PILOT CLUTCH (+)	300
222	14ga	Yellow	25.000	AUTO PILOT CLUTCH (-)	300
223	16ga	Blue/White	30.833	LIGHT, ARCH	370
224	16ga	Yellow	29.833	LIGHT, ARCH (-)	358
225	16ga	White/Pink	18.333	SPEAKER, TO ARCH, LEFT (+)	220
226	16ga	White/Yellow	18.333	SPEAKER, TO ARCH, LEFT (-)	220
227	16ga	White/Gray	18.333	SPEAKER, TO ARCH, RIGHT (+)	220
228	16ga	White/Black	18.333	SPEAKER, TO ARCH, RIGHT (-)	220
229	14ga	Blue	25.833	LIGHTS, MAIN SALON FLUORESCENT	310
230	14ga	Yellow	24.833	LIGHTS, MAIN SALON FLUORESCENT (-)	298
231	14ga	Blue	15.000	LIGHTS, GALLEY FLUORESCENT	180
232	14ga	Yellow	14.000	LIGHTS, GALLEY FLUORESCENT (-)	168
235	14ga	Blue	29.833	LIGHTS, PORT HALOGEN	358
236	14ga	Yellow	28.833	LIGHTS, PORT HALOGEN (-)	346
237	14ga	Blue	38.833	LIGHTS, STBD HALOGEN	466
238	14ga	Yellow	37.833	LIGHTS, STBD HALOGEN (-)	454
246	14ga	Blue	49.500	LIGHT, FWD PORT/STBD	594
247	14ga	Yellow	48.500	LIGHT, FWD PORT/STBD (-)	582
258	14ga	Gray/Red	20.000	ANCHOR LIGHT	240
259	14ga	Gray/Green	20.000	STEAMING LIGHT	240
260	14ga	Gray	20.000	DECK LIGHT	240
261	10ga	Yellow	19.000	MAST LIGHTS NEG.	228
262	RG213	VHF COAX	22.500	VHF ANT.	270
263	--	Wind Speed Cable	44.000	WIND SPEED	528
264	6ga	Yellow	2.000	NEG. BUS JUMPER	24

- LEGEND:**
- \* = 16-14 CAPTIVE SPADE #8
  - \* = 12-10 CAPTIVE SPADE #8
  - \* = 16-14 RING TERM. #10
  - \* = 12-10 RING TERM. #10
  - \* = 12-10 RING TERM. 1/4"

NOTE: CONDUIT ALL HARNESSES COMPLETELY

REV. 03-31-04

# 38 AC WIRES



**STAGE 24A-MODULE, P/N 1006021**

	WIRE SIZE	COLOR	LENGTH	EYE	EYE	DESCRIPTION
STD HOUSE BATTERY	2/O	RED	4'	3/8"	3/8"	BATT TO FUSE-HOUSE1
	3/O	RED	16"	3/8"	3/8"	FUSE TO STUD-HOUSE1
	2/O	YELLOW	4'	5/16"	3/8"	BATT TO GND-HOUSE1
START BATTERY	2 GA	RED	6'	3/8"	3/8"	BATT TO SW-START
	2 GA	YELLOW	7'	5/16"	3/8"	BATT TO GND-START
YANMAR STARTER	2 GA	RED	10'	5/16"	3/8"	START TO STUD-YAN
	2 GA	YELLOW	9.5'	3/8"	3/8"	ENGINE TO GND-YAN
GNDS	4 GA	GREEN/YELLOW	32'	1/4"	3/8"	ARCH GND
	4 GA	GREEN/YELLOW	9'	1/4"	3/4"	CHAINPLATE PORT 1
	4 GA	GREEN/YELLOW	9'	1/4"	3/4"	CHAINPLATE STBD 1
	10 GA	GREEN/YELLOW	30'			FUEL FILL GRD
	2 GA	YELLOW	1'	1/4"	3/8"	JUMPER GND TO GND
	4 GA	GREEN/YELLOW	5'	1/4"	3/4"	CHAINPLATE PORT 2
	4 GA	GREEN/YELLOW	5'	1/4"	3/4"	CHAINPLATE STBD 2
	4 GA	GREEN/YELLOW	4'	1/4"	3/8"	MAST POST TO KEEL

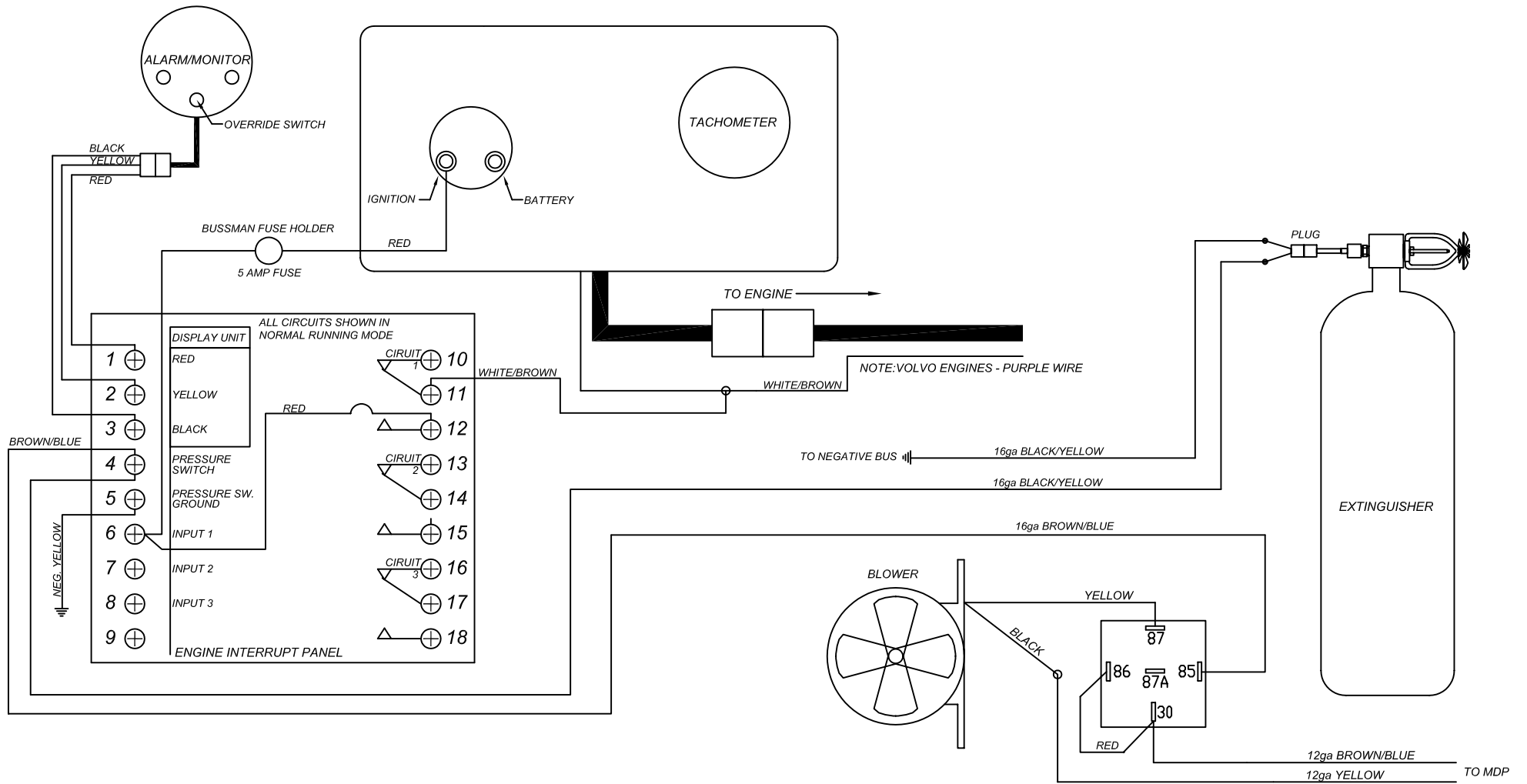
**STAGE 34-DECK RIGGING ELECTRICAL, P/N 1006023**

	WIRE SIZE	COLOR	LENGTH	EYE	EYE	DESCRIPTION
STERN LIGHT	16 GA	GREY/YELLOW	2'			STERN LIGHT POWER
	16 GA	YELLOW	2'			STERN LIGHT NEGATIVE
GNDS	6 GA	GREEN/YELLOW	9'	3/8"	1/2"	PEDESTAL GND



<b>OPTIONS</b>						
<b>MODULE STAGE 24A</b>						
	WIRE SIZE	COLOR	LENGTH	EYE	EYE	DESCRIPTION
WINDLASS	2 GA	RED	27'	1/4"	5/16"	BREAKER TO BOX-WL
	2 GA	YELLOW	27'	3/8"	5/16"	GND TO BOX-WL
OPT HOUSE BATTERY P/N 1006033	2/O	RED	7'	3/8"	3/8"	BATT TO FUSE-HOUSE2
	2/O	YELLOW	7'	5/16"	3/8"	BATT TO GND-HOUSE2
GENERATOR STARTER P/N 1006034	2 GA	RED	13'	5/16"	5/16"	START TO STUD-GEN
	2 GA	YELLOW	13'	5/16"	5/16"	ENGINE TO GND-GEN
	8-3	ROMEX	20'			GENERATOR POWER
INVERTER (120V) P/N 1006025	2/O	RED	4' 6"	3/8"	3/8"	INV TO STUD
	2/O	YELLOW	5' 4"	3/8"	3/8"	INV TO GND
	1/O	GREEN/YELLOW	5'	3/8"	1/4"	INV CASE TO GND
	10-3	ROMEX	10'			INV IN
	10-3	ROMEX	10'			INV OUT
INVERTER (230V) P/N 1006026	2 GA	RED	1' 6"	5/16"	5/16"	START BATT RESET
	2 GA	RED	2'	5/16"	5/16"	HOUSE BATT RESET
	10-3	ROMEX	10'			INV IN
	10-3	ROMEX	10'			INV OUT
HALYARD P/N 1006027	2 GA	RED	20'	1/4"	5/16"	BREAKER TO BOX-HAL
	2 GA	YELLOW	20'	3/8"	5/16"	GND TO BOX-HAL
	2 GA	RED	1' 6"	5/16"	5/16"	BOX TO MOTOR-HAL
	2 GA	YELLOW	2'	5/16"	5/16"	BOX TO MOTOR-HAL
100AMP ALTERNATOR P/N 1006028  F-Bullet = 0.156 SNAP PLUG RECEPTACLE	2 GA	RED	12'	5/16"	5/16"	ALT TO ISOLATOR
	2 GA	YELLOW	16"	5/16"	5/16"	ALT. GND TO ENG. GND
	2 GA	RED	2' 6"	1/4"	5/16"	ISO TO START RESET
	2 GA	RED	2' 6"	1/4"	5/16"	ISO TO HOUSE RESET
	16 GA	BLUE	4'			DASH LAMP
	16 GA	BLUE/WHITE	4'	F-Bullet	F-Spade	TACH
BATTERY CHARGER P/N 1006029	6 GA	ORANGE/GREEN	5'	1/4"	#10	START BATT RESET
	6 GA	ORANGE/RED	5'	1/4"	#10	HOUSE BATT RESET
	6 GA	YELLOW	5' 6"	1/4"	3/8"	TO NEG. BUS BAR
	14-3	ROMEX	10'			BATT CHARGER
12V WATERMAKER P/N 1006030	8 GA	RED/BROWN	22'			WATERMAKER POWER
	8 GA	YELLOW	6'			WATERMAKER GRD.
ELECTRIC TOILET P/N 294016	16 GA	YELLOW/BROWN	8'			ELEC. TOILET SOLENOID
	16 GA	YELLOW	8'			ELEC. TOILET SOLENOID(-)
BOW THRUSTER	1/O	RED	15'	3/8"	5/16"	SWITCH TO THRUSTER
	1/O	RED	18"	3/8"	5/16"	SWITCH TO FUSE
	1/O	RED	30"	3/8"	5/16"	FUSE TO FUSE
	1/O	YELLOW	17'	5/16"	3/8"	MOTOR TO BUSS

<b>OPTIONS</b>						
<b>DECK RIGGING STAGE 34</b>						
	WIRE SIZE	COLOR	LENGTH	EYE	EYE	DESCRIPTION
SONY STEREO	16 GA	WHITE/BLUE	6'			SPEAKER POSITIVE
P/N 1002800	16 GA	WHITE/BLACK	6'			SPEAKER NEGATIVE
	16 GA	WHITE/ORANGE	20'			SPEAKER POSITIVE
	16 GA	WHITE/YELLOW	20'			SPEAKER NEGATIVE
<b>ELECTRICAL STAGE 56</b>						
	WIRE SIZE	COLOR	LENGTH	EYE	EYE	DESCRIPTION
AUTO PILOT	8 GA	RED	8'			COURSE COMPUTER
P/N 293947	8 GA	YELLOW	8'			COURSE COMPUTER (-)
RADAR	10 GA	RED/YELLOW	6'			RADAR PWR
P/N 1006031	10 GA	YELLOW	6'			RADAR NEG
WINDLASS	2 GA	RED	2' 6"	5/16"	5/16"	BOX TO MOTOR-WL
P/N 1006032	2 GA	RED	2' 6"	5/16"	5/16"	BOX TO MOTOR-WL
	16 GA	YELLOW	2' 6"	5/16"	F-spade	BOX TO MOTOR-WL
<b>STAGE 24A-MODULE(BILGE KEEL), P/N</b>						
	WIRE SIZE	COLOR	LENGTH	EYE	EYE	DESCRIPTION
STD HOUSE BATTERY	2/O	RED	9'	3/8"	3/8"	BATT TO FUSE-HOUSE1
	3/O	RED	16"	3/8"	3/8"	FUSE TO STUD-HOUSE1
	2/O	YELLOW	9'	5/16"	3/8"	BATT TO GND-HOUSE1
START BATTERY	2 GA	RED	8'6"	3/8"	3/8"	BATT TO SW-START
	2 GA	YELLOW	8'10"	5/16"	3/8"	BATT TO GND-START
YANMAR STARTER	2 GA	RED	10'	5/16"	3/8"	START TO STUD-YAN
	2 GA	YELLOW	9.5'	3/8"	3/8"	ENGINE TO GND-YAN
GNDS	4 GA	GREEN/YELLOW	32'	1/4"	3/8"	ARCH GND
	4 GA	GREEN/YELLOW	9'	1/4"	3/4"	CHAINPLATE PORT 1
	4 GA	GREEN/YELLOW	9'	1/4"	3/4"	CHAINPLATE STBD 1
	10 GA	GREEN/YELLOW	30'			FUEL FILL GRD
	2 GA	YELLOW	1'	1/4"	3/8"	JUMPER GND TO GND
	4 GA	GREEN/YELLOW	5'	1/4"	3/4"	CHAINPLATE PORT 2
	4 GA	GREEN/YELLOW	5'	1/4"	3/4"	CHAINPLATE STBD 2
	4 GA	GREEN/YELLOW	4'	1/4"	3/8"	MAST POST TO KEEL

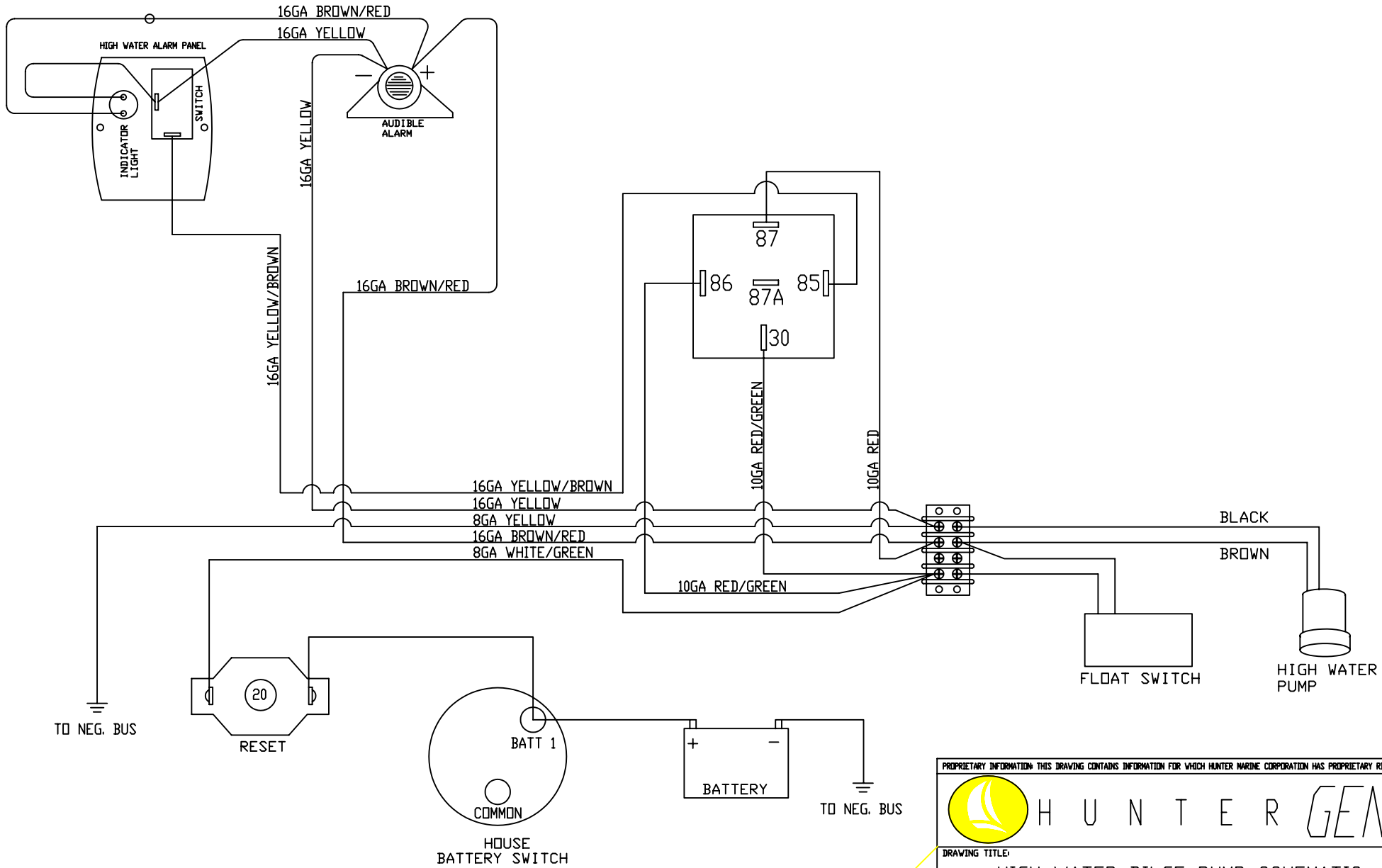


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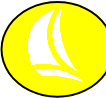


DRAWING TITLE: <b>AUTOMATIC FIRE EXTINGUISHER SCHEMATIC</b>			
DRAWN BY: JLK	DATE: 12-Aug-03	SHEET 1	OF 1
SCALE: 0.045	HUNTER PART NO. TBD	REVISION A	DRAW # -----

SYMBOL	REVISIONS	DATE	ENG



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# HUNTER GEN

DRAWING TITLE:  
HIGH WATER BILGE PUMP SCHEMATIC

DRAWN BY: JLK	DATE: 2/03/2003	SHEET	OF
SCALE:	HUNTER PART NO.	REVISION	DRAW #

CHECKED