



DANGER

Danger of electrical shock, burns or death. Always remove all power sources before attempting any repair, service or diagnostic work. Power can be present from shore power, generator, inverter or battery. All power sources must be disabled and secured before performing any service.



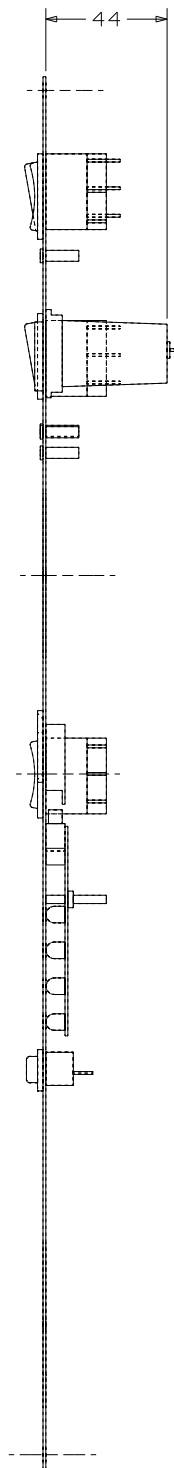
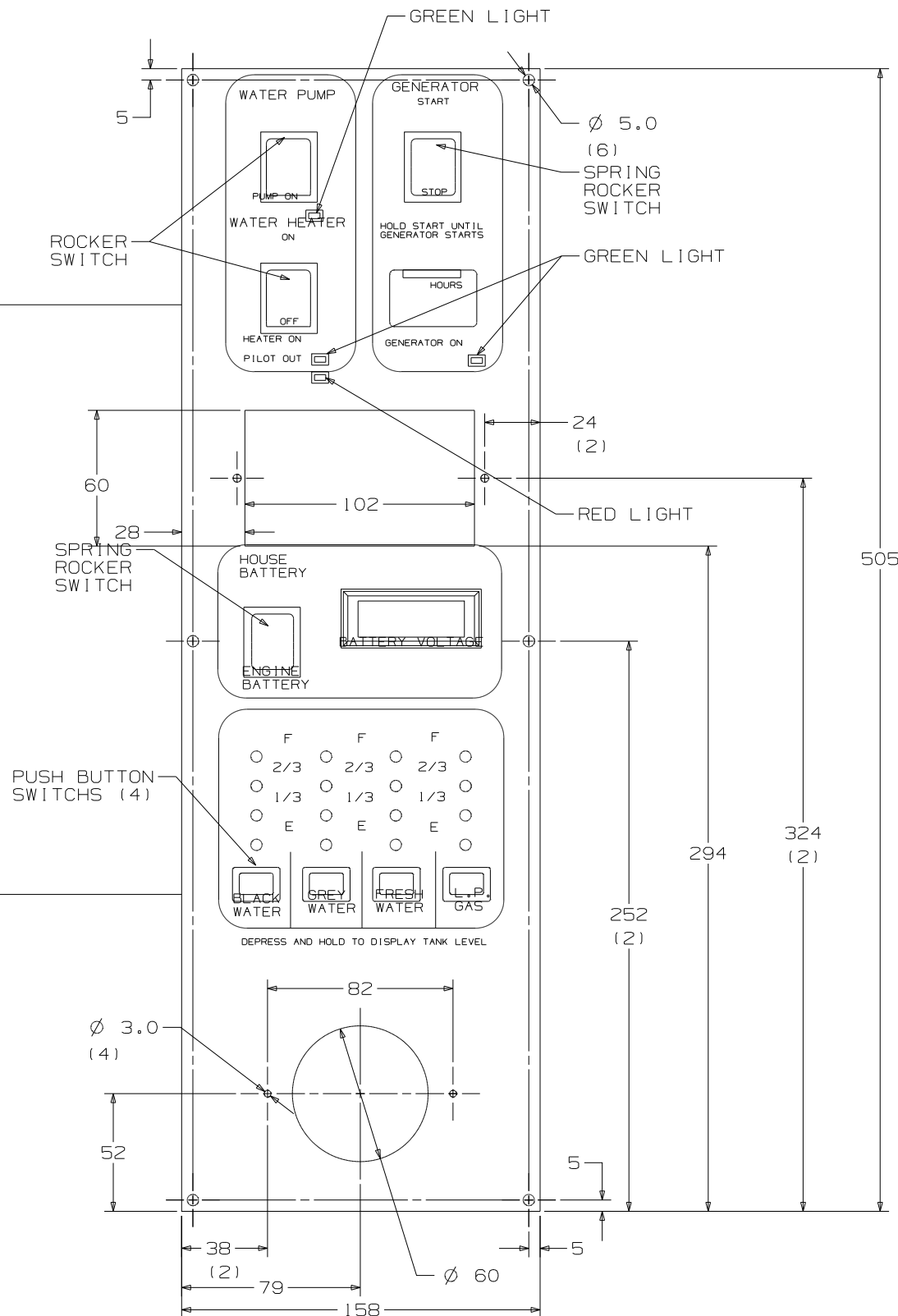
CAUTION

If you lack the skills, tools or equipment to perform diagnostic or repair work leave such work to an authorized Winnebago Industries dealer or other qualified shop.

DWG NO	SHEET	DESCRIPTION
133004-01	1	2TK,DIG VOLT
133004-02	2	2T,DIG VOLT,SOLAR
133004-03	3	2TK, W/SOL & PAN
133004-04	4	2TK, W/O WAT HEAT
133004-05	5,6,7	2T,SOLAR/SENSOR
133004-06	8,9,10	2T,SOL/SENS, W/O WTR HRT
133004-07	11,12	2T,SOL/SEN, W/O WTRHTR/EMS

PIN #
1. 16 RED GENERATOR METER (+)
2. 16 YEL GENERATOR START
3. 16 GRN GENERATOR STOP
4. 16 BLK GENERATOR (-)
HOUSING-AMP
(UNIVERSAL MATE-N-LOK)
1-480702-0
CONTACT-PIN
350538-1

PIN #
1. 14 BLK (HOUSE +12VDC)
2. 14 (CHASSIS +12VDC)
3. 14 WHT (GROUND)
4. 20 RED (WATER TANK)
5. 20 BRN (BLACK TANK)
6. 20 GRY (GRAY TANK)
7. 12 RED/WHT (REMOTE WATER PUMP SWITCH)
8. 12 RED (WATER PUMP SWITCH)
9. 12 WHT/RED (REMOTE WATER PUMP)
10. BLANK
11. BLANK
12. 20 WHT/GRN (LP TANK SENSOR)
13. 16 YEL (WATER HEATER IGNITION)
14. BLANK
15. 20 WHT/BLU (WATER HEATER INDICATOR)
HOUSING-AMP
(UNIVERSAL MATE-N-LOK)
1-480710-0
CONTACT-PIN
350538-1



5. SWITCH RATING SHALL BE EMBOSSED ON THE SIDE OF THE 12V SWITCHES.
4. CUTOUT FOR PANEL TO BE 135 X 350 MIN/ 140 X 380 MAX.
3. LETTERS ON MAIN HEADING TO BE 5MM HIGH.
2. BLACK PANEL WITH WHITE GRAPHICS.
1. SUGGESTED VENDOR: VENLINE.

NOTES:

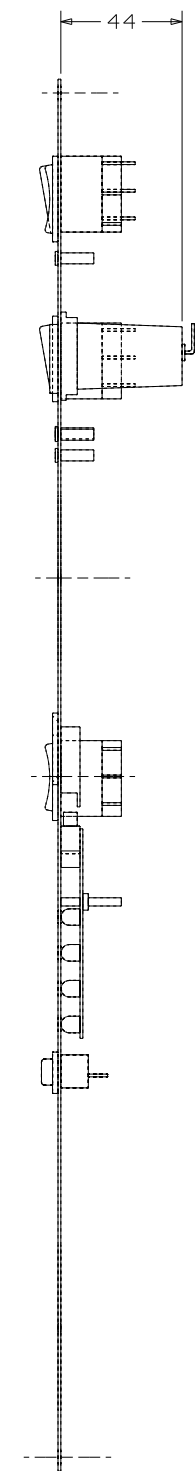
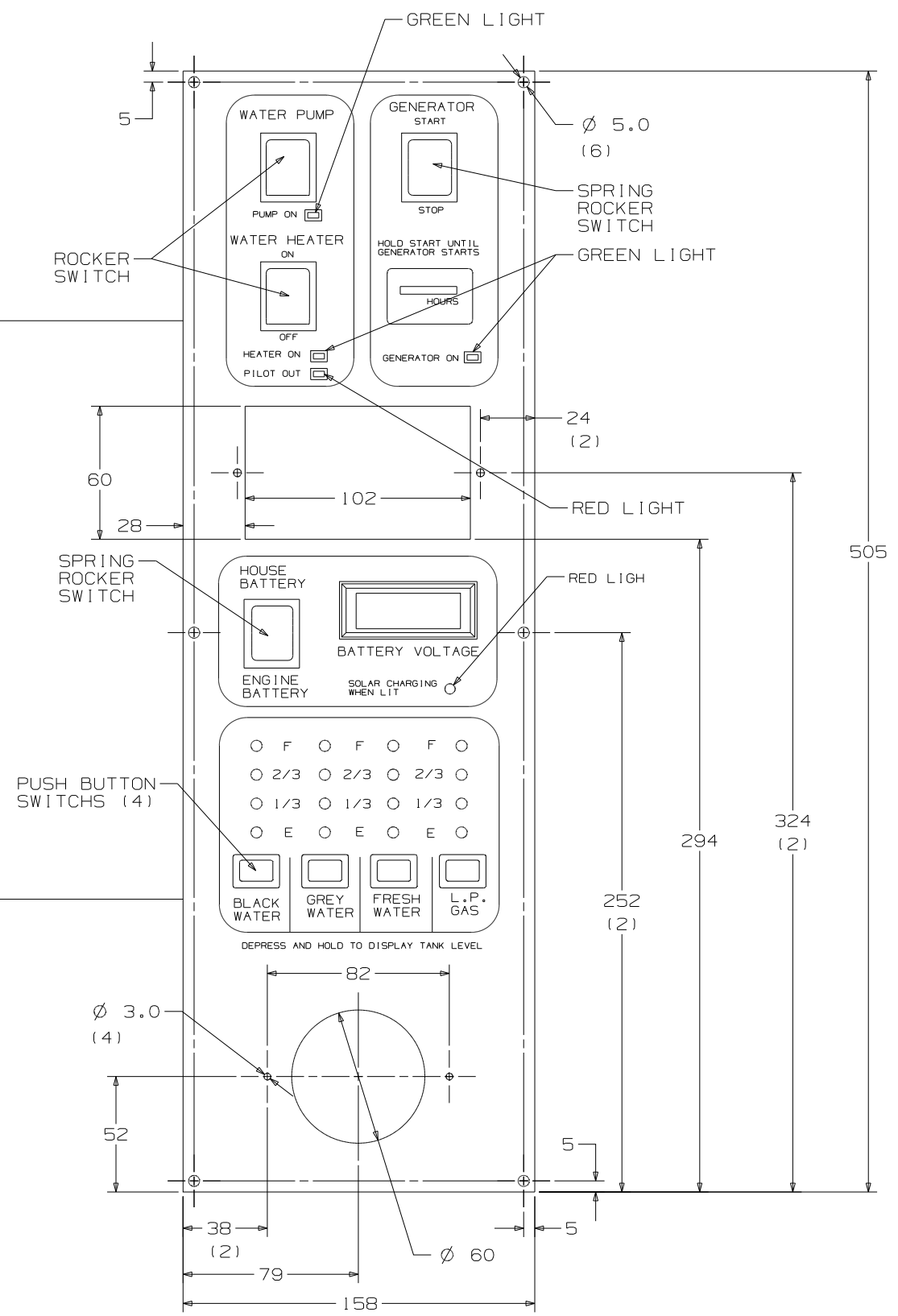
RELEASE	REV DATE	ORIG NO	133004
REV ZONE	REVISION RECORD	DATE	DFTR-ORIG

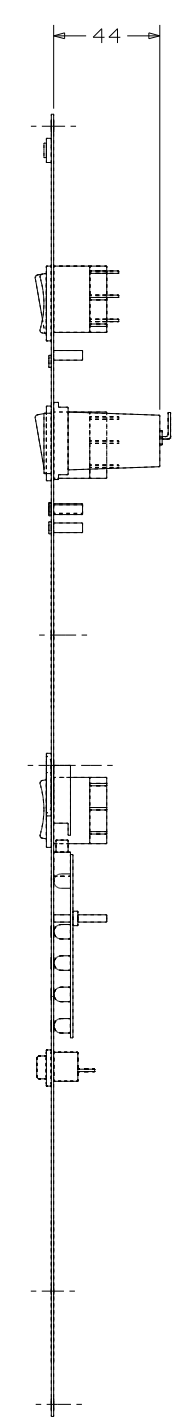
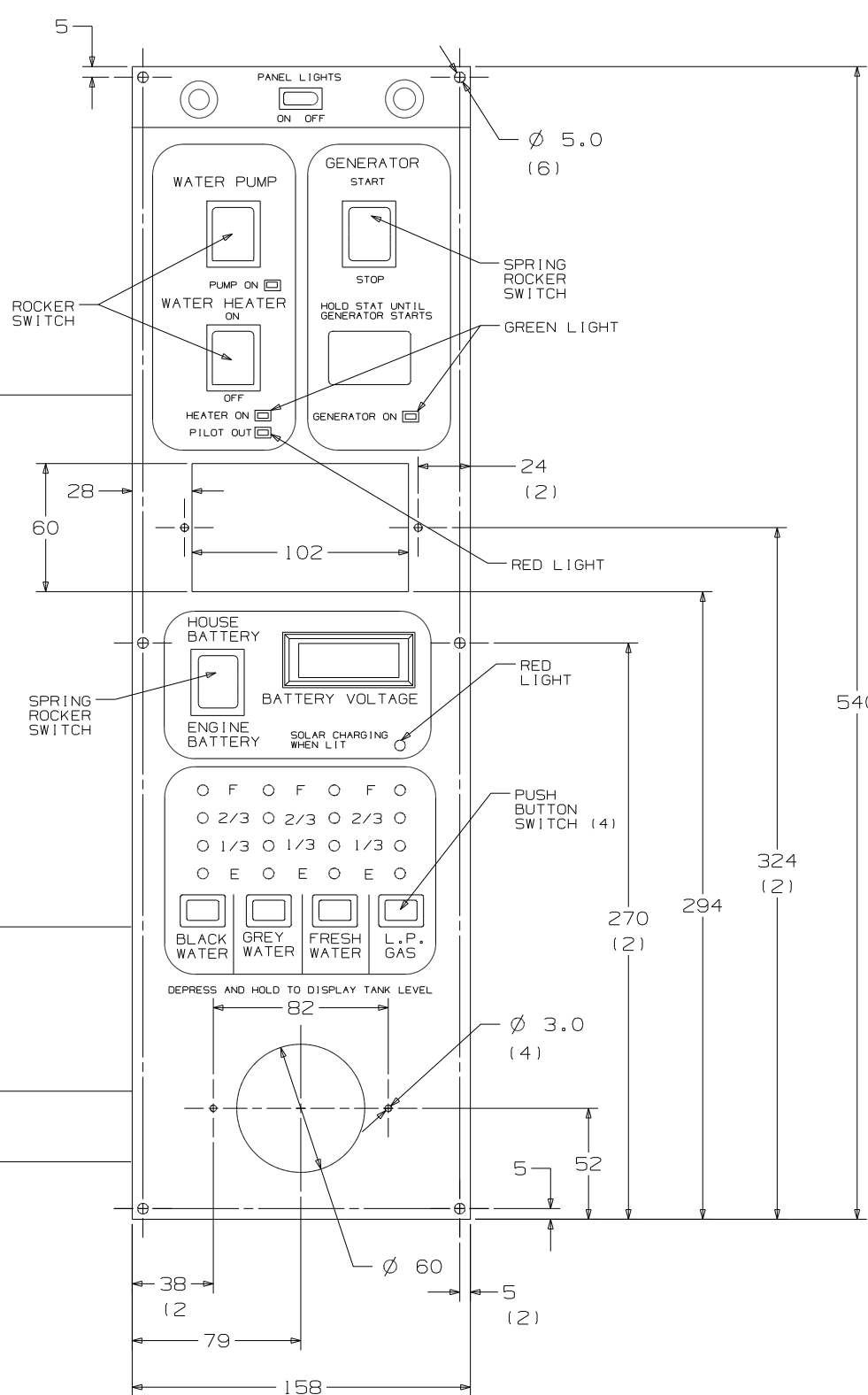
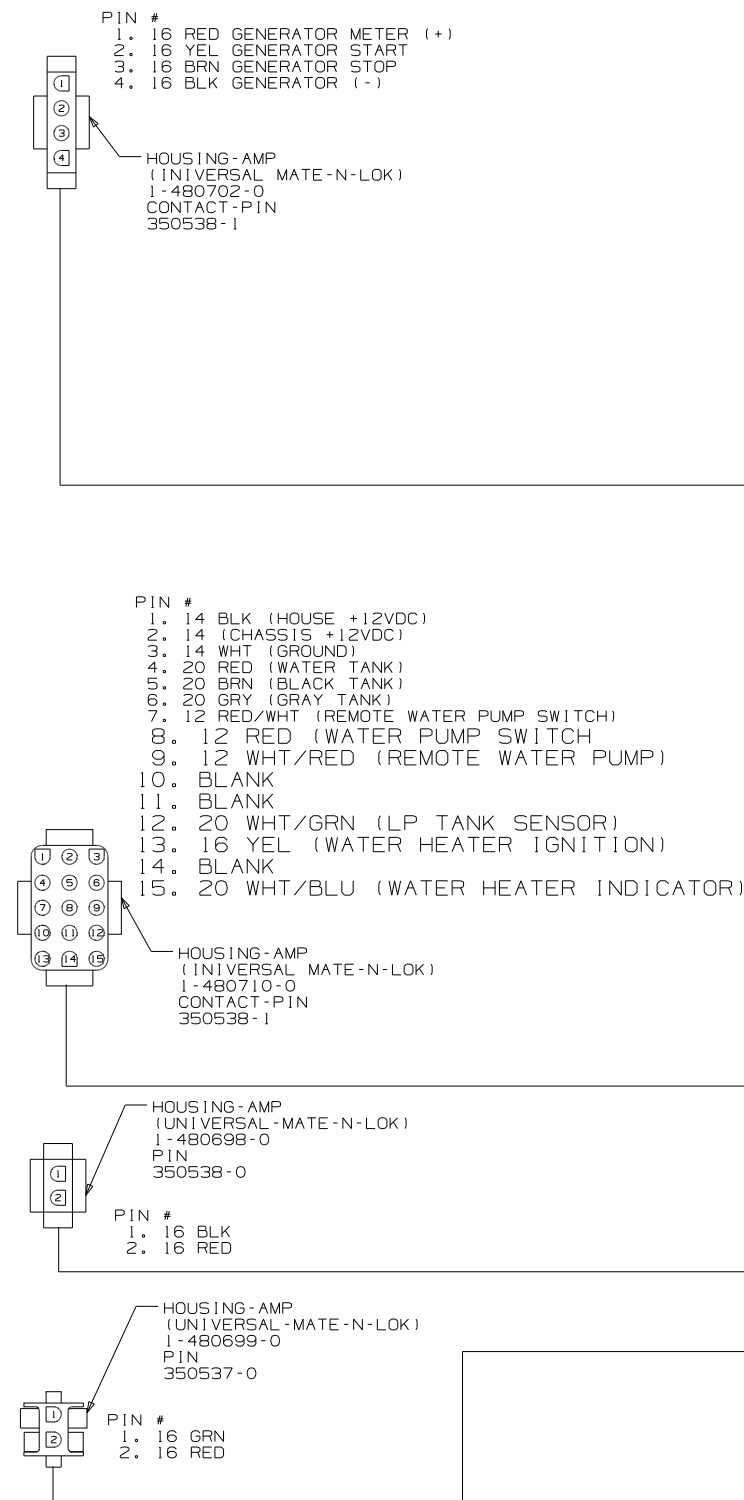
WINNEBAGO		COPYRIGHT 2009 WINNEBAGO INDUSTRIES, INC.	
OFTR	ORIG. DATE	ALL DIMENSIONS ARE IN MILLIMETERS	
CHKR	P.E.	STANDARDS	
M.E.	DSNR	FIRST USED	
UNSPECIFIED TOLERANCES ARE:		MATERIAL:	
WHOLE DIM (X)		1	
ONE-PLACE (X.X)		2	
TWO-PLACE (X.XX)		3	
ANGLE		4	
THIRD ANGLE PROJECTION		5	
DO NOT SCALE DRAWING			
TITLE: PANEL-MONITOR			
SHEET 1 OF 12		PART NO 133004	
REF:		1 5/12/2009	

SEE CHART
FOR COLOR VARIATIONS
OF THIS PART

PIN #
1. 16 RED GENERATOR METER (+)
2. 16 YEL GENERATOR START
3. 16 GRN GENERATOR STOP
4. 16 BLK GENERATOR (-)
HOUSING-AMP
(UNIVERSAL MATE-N-LOK)
1-480702-0
CONTACT-PIN
350538-1

PIN #
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5. 20 BRN (BLACK TANK)
6. 20 GRN (GRAY TANK)
7. 12 RED/WHT (REMOTE WATER PUMP SWITCH)
8. 12 RED (WATER PUMP SWITCH)
9. 12 WHT/RED (REMOTE WATER PUMP)
10. BLANK
11. BLANK
12. 20 WHT/GRN (LP TANK SENSOR)
13. 16 YEL (WATER HEATER IGNITION)
14. BLANK
15. 20 WHT/BLU (WATER HEATER INDICATOR)
HOUSING-AMP
(UNIVERSAL MATE-N-LOK)
1-480710-0
CONTACT-PIN
350538-1

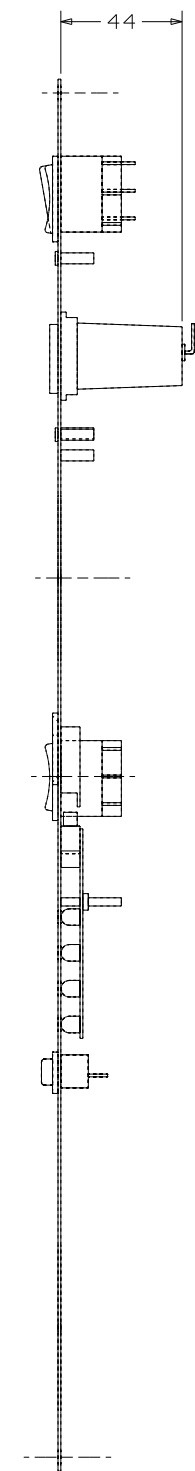
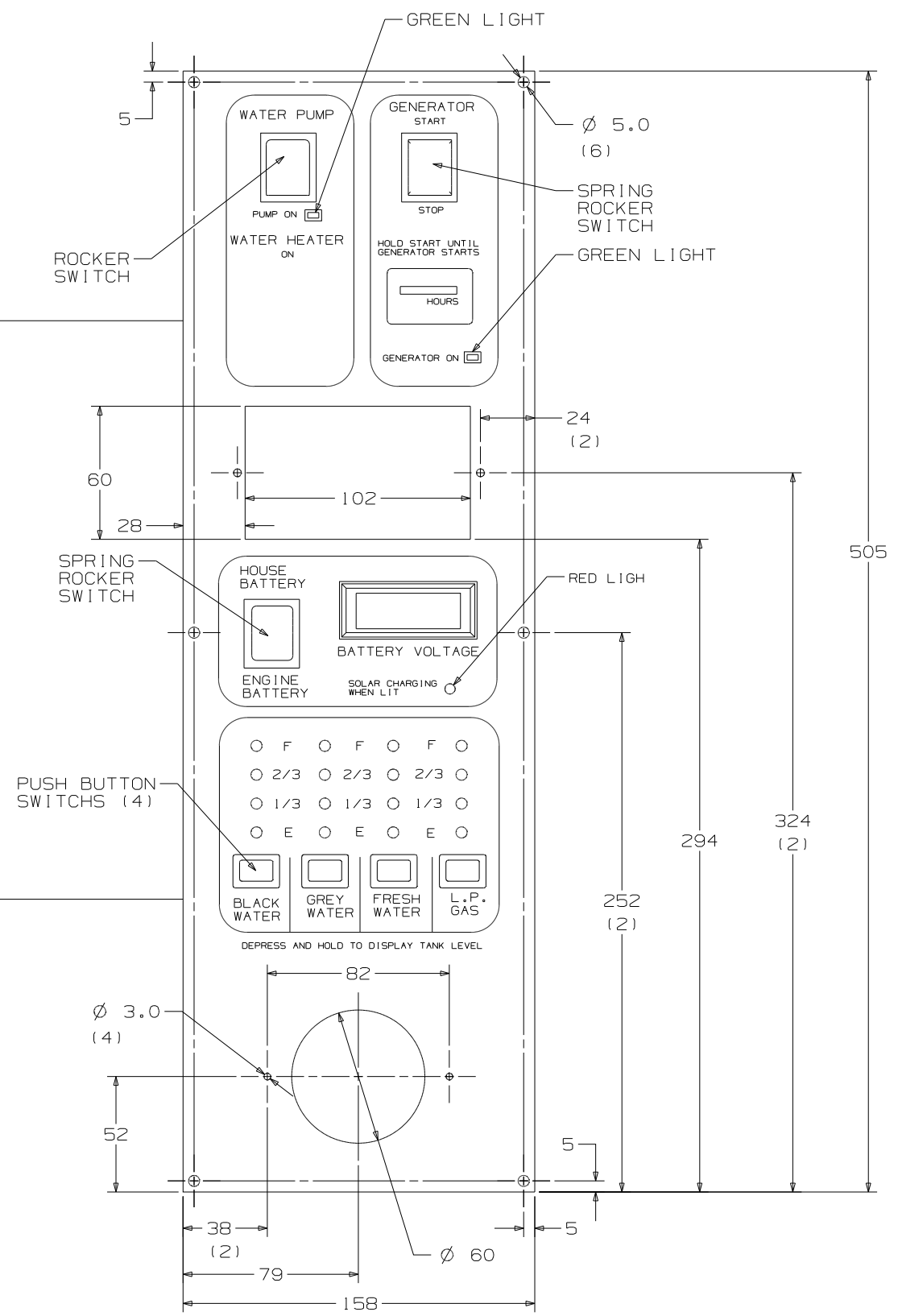




FIRST USED		STANDARD	
DO NOT SCALE DRAWING			
TITLE: PANEL - MONITOR			
SHEET 3		PART NO	REV
		133004	

PIN #
1. 16 RED GENERATOR METER (+)
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3. 16 GRN GENERATOR STOP
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HOUSING-AMP
(UNIVERSAL MATE-N-LOK)
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CONTACT-PIN
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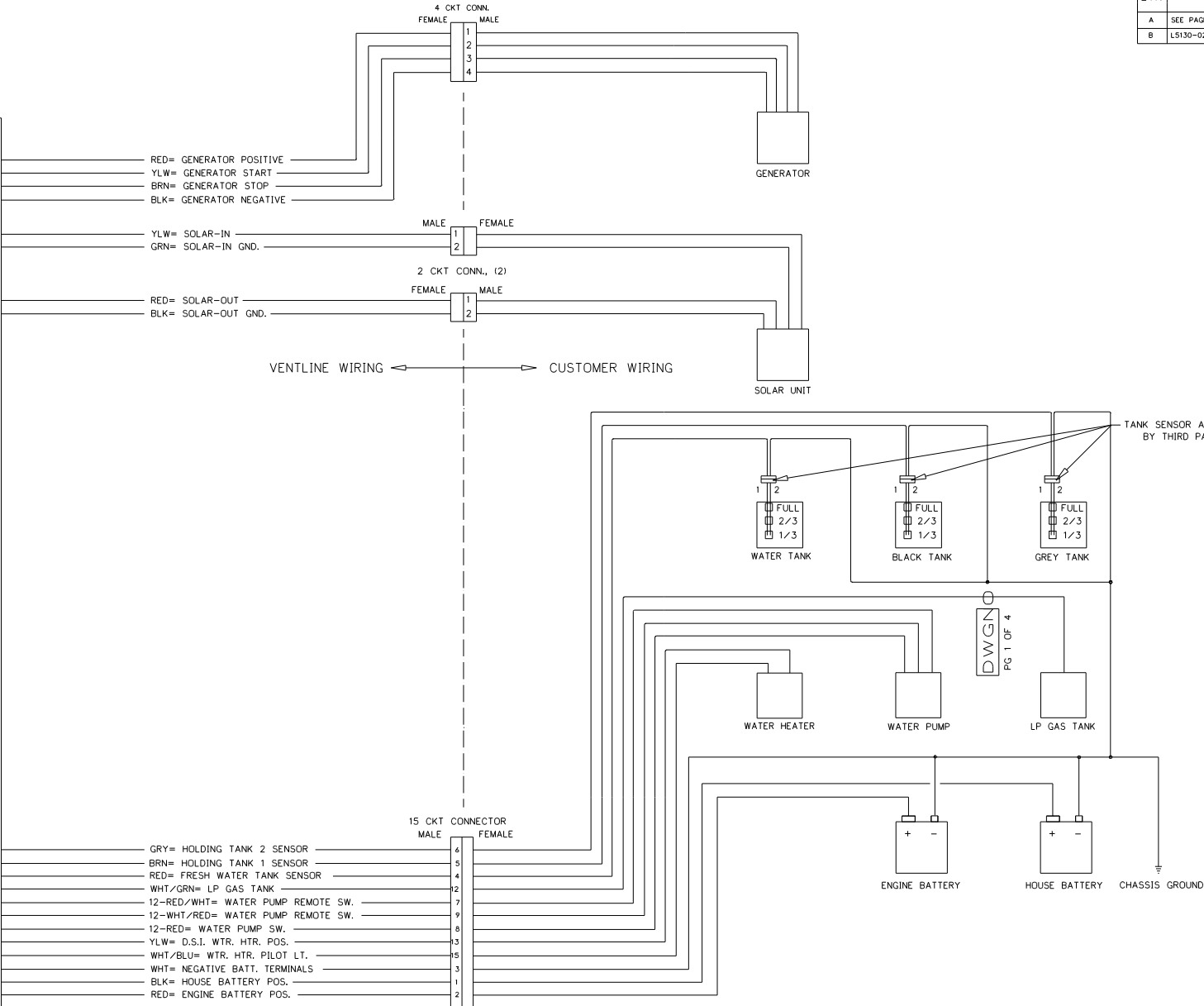
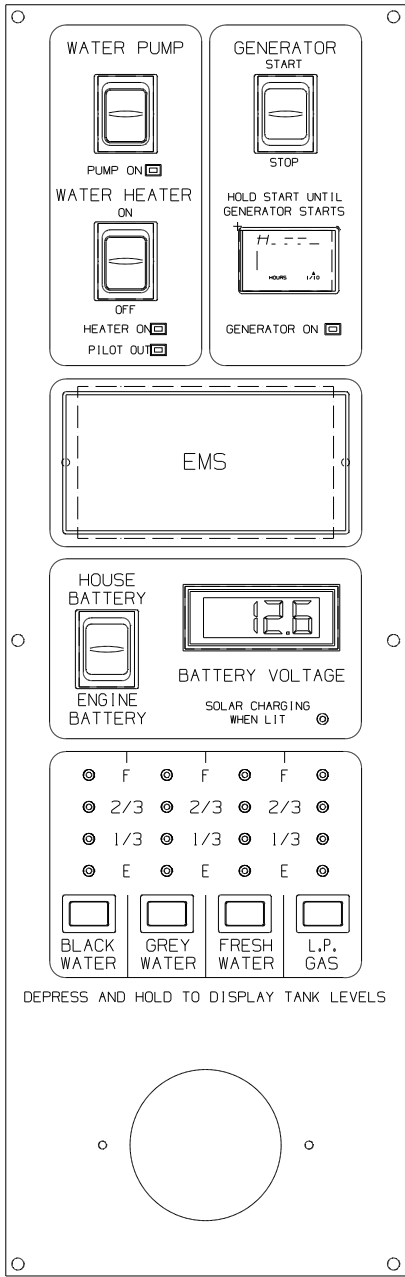
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14. BLANK
15. BLANK
HOUSING-AMP
(UNIVERSAL MATE-N-LOK)
1-480710-0
CONTACT-PIN
350538-1



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DWG NO 133004

LTR.	DESCRIPTION	DATE	CHK BY	APP BY
LTR	DESCRIP	DATE	CHK BY	APP BY
A	SEE PAGE 3 ECN 16381	ECN 16261	4-6-04	RUL RUL
B	L5130-02 WAS L5113-04	ECN 16394	4-21-04	RUL RUL



- NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL WIRE IS 22 AWG.
 2. REF. DWG'S:
HARNESS, INTERNAL & SWITCH= L7785-01, -02
HARNESS, GEN. INTERNAL & SWITCH= L7786-00
HARNESS, SOLAR LIGHT= L7722-00
PCB= L5130-02
HARNESS, TEST= L8012-00
TEST BOX= L8504-00
 3. ALL PIGTAILS TO BE SUPPLIED BY CUSTOMER.
 4. BEFORE PACKING, SECURE HARNESS WITH VD0169-00 TIE WRAP ON RIGHT SIDE POST.

ENGLISH (TOLERANCE UNLESS SPECIFIED)
0 PL.: .040
2 PL.: .010
FRACTIONS 1/64

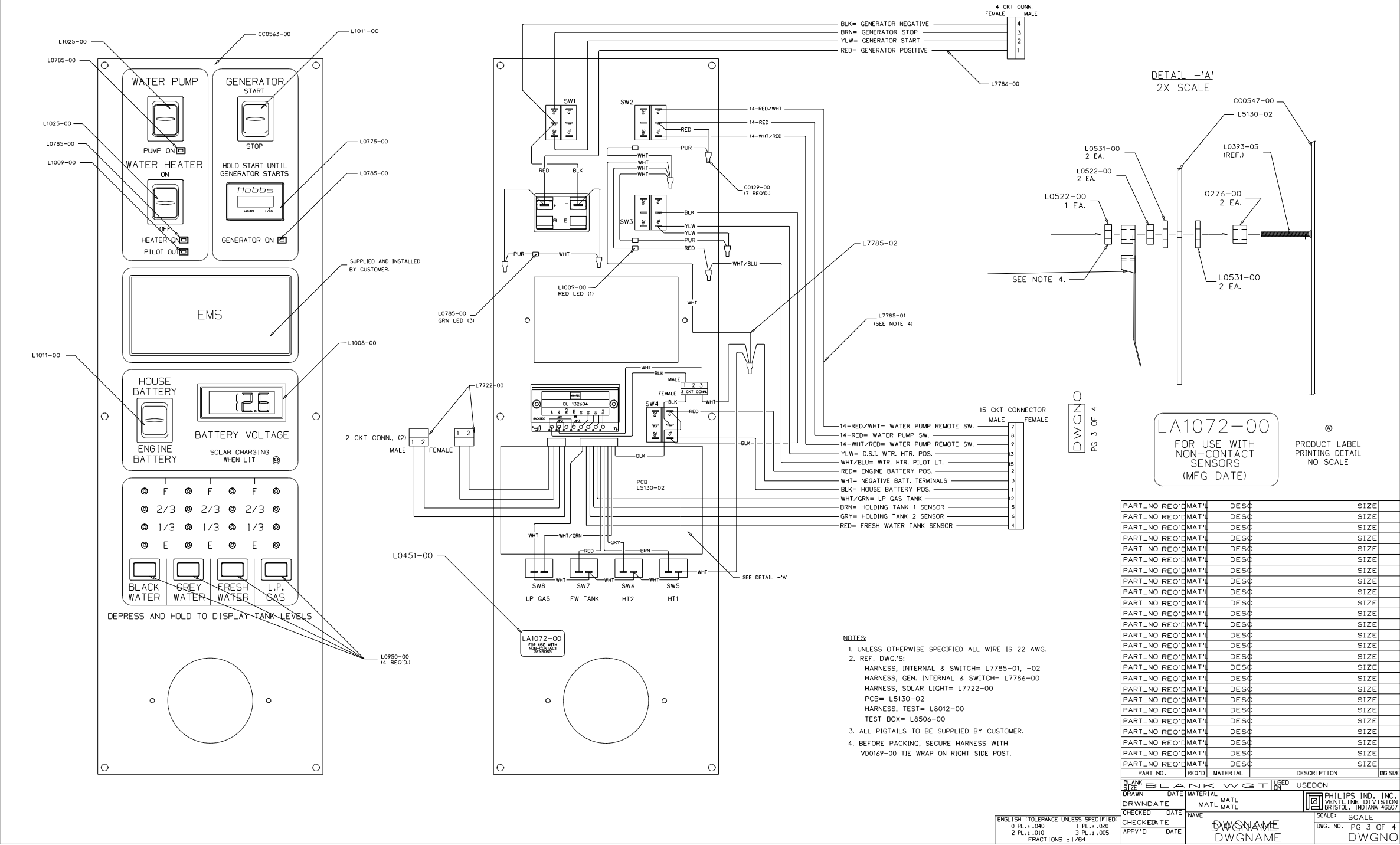
PART NO.	REV'D	MATERIAL	DESCRIPTION	DWG SIZE
BLANK	BLANK	WGT	USED	USED ON
DRAWN	DATE	MATERIAL	MATL	MATL
DRWN DATE	DATE	MATL	MATL	MATL
CHECKED	DATE	NAME	DWGNAME	SCALE
CHECKED	DATE	NAME	DWGNAME	SCALE
APPV'D	DATE	NAME	DWGNAME	SCALE
DWG. NO.	PG 1 OF 4	DWGNO	DWGNO	DWGNO

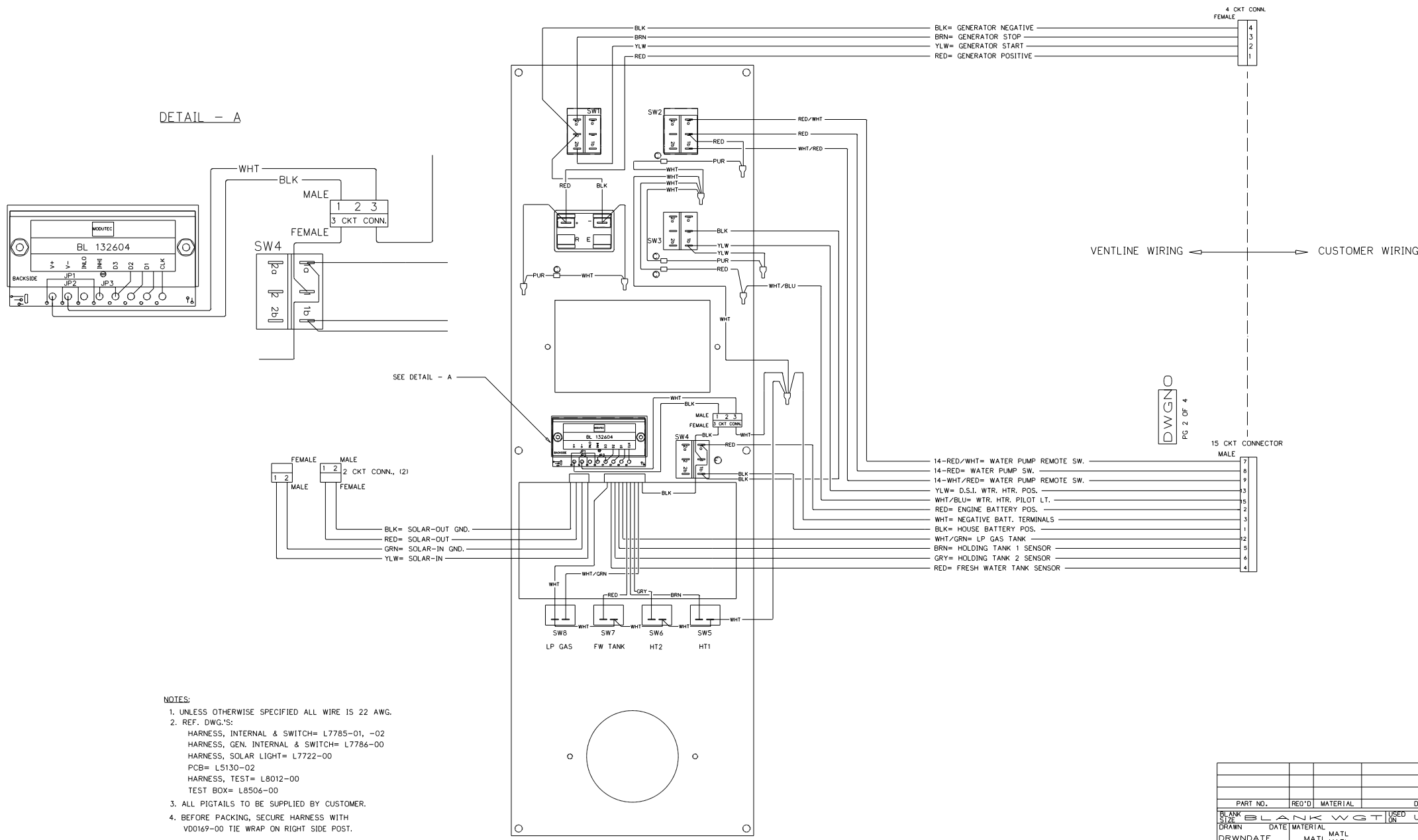
FIRST USED	STANDARD
TITLE	DO NOT SCALE DRAWING
SHEET 5	PART NO 133004
REV	1 5/12/2009

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LTR.	DESCRIPTION	DATE	CHG.	BY
LTR	DESCRIP	ECN 16261	DATE	CHG
A	ADDED LABEL DETAIL	ECN 16381	4-6-04	R.J.
B	L5130-02 WAS L5113-04	ECN 16394	4-21-04	R.J.





- NOTES:**
1. UNLESS OTHERWISE SPECIFIED ALL WIRE IS 22 AWG.
 2. REF. DWG:'S:
 - HARNESS, INTERNAL & SWITCH= L7785-01, -02
 - HARNESS, GEN. INTERNAL & SWITCH= L7786-00
 - HARNESS, SOLAR LIGHT= L7722-00
 - PCB= L5130-02
 - HARNESS, TEST= L8012-00
 - TEST BOX= L8506-00
 3. ALL PIGTAILS TO BE SUPPLIED BY CUSTOMER.
 4. BEFORE PACKING, SECURE HARNESS WITH V00169-00 TIE WRAP ON RIGHT SIDE POST.

PART NO.	REV'D	MATERIAL			DESCRIPTION			DWG SIZE	
BLANK DRAWN	DATE	MATERIAL	USED ON	USED ON					
DRWNDATE		MATL MATL MATL MATL			 PHILIPS IND. INC. VENTILINE DIVISION BRISTOL, INDIANA 46507				
CHECKED DATE		NAME	DWGNAME		SCALE:	SCALE			
CHECKED DATE			DWGNAME		DWS. NO.	PG 2 OF 4			
APPY'D DATE					DVGNO				

FIRST USED		STANDARD	
DO NOT SCALE DRAWING			
TITLE: PANEL - MONITOR			
SHEET 7		PART NO 133004	REV

DETAIL - 'A'
2X SCALE



V00169--00	1		TEI WRAP		
V00478--00	.2		FOAM PAD		
L7786--00	1		HARNES, GENERATOR INT. & SW.		
L7862--00	1		HARNES, INTERNAL & SWITCH		
L7722--00	1		HARNES, SOLAR LT.		
L5130--02	1		PCB		
L1025--00	1		SWITCH, DPDT, ON--ON		
L1011--00	2		SWITCH, DPDT, (ON--OFF--ON)		
L1008--00	1		DIGITAL PANEL METER		
L0950--00	4		SW., SPNO, (ON--OFF PB		
L7765--00	2		LED, PANEL MOUNT, GRN		
L0775--00	1		HOBBS HOUR METER		
L0531--00	4		FIBER WASHER		
L0522--00	3		HEX NUT, 6--32		
L0451--00	1		LABEL		
L0274--00	2		PCB "SPACER", .25"		
C0129--00	6		CONN., PARALLEL CRIMP		
CD0499--00	.1		CARTON		
CD0393--00	.1		CARTON LABEL		
CC0585--00	1		SCREENED CHASSIS		
CC0376--02	1		ANTI--STATIC POLY BAG		
PART NO.		REQ'D	MATERIAL	DESCRIPTION	QTY SIZE
HLS SIZE		USED ON			
DRAWN	DATE	MATERIAL			
	10/03/08	SEE BOM			
CHECKED	DATE	NAME			
MJC	10/03/08	ASSEMBLY DRAWING,			
APPR'D	DATE	MONITOR PANEL			

	PHILIPS IND. INC. GENERAL DIVISION BRISTOL, INDIANA 46607
	SCALE: NONE

DRG. NO. PG. 3 OF 4
LAT1087--00

ENGLISH (TOLERANCE UNLESS SPECIFIED)
0 PL.:.040 1 PL.:.020
2 PL.:.010 3 PL.:.005
FRACTIONS: 1/64

08	NAME	ASSEMBLY DRAWING, MONITOR PANEL
----	------	------------------------------------

 PHILIPS IND. INC. VENTLINE DIVISION BRISTOL, INDIANA 46507	SCALE: NONE
	DWG. NO. PG 3 OF 4 LA1087-00

5/12/2009

ENGLISH TOLERANCE UNLESS SPECIFIED
0 PL.:.040 1 PL.:.02
2 PL.:.010 3 PL.:.00
FRACTIONS ± 1/64

PHILIPS IND. INC.
VENTLINE DIVISION
BRISTOL, INDIANA 46507

SCALE: NONE

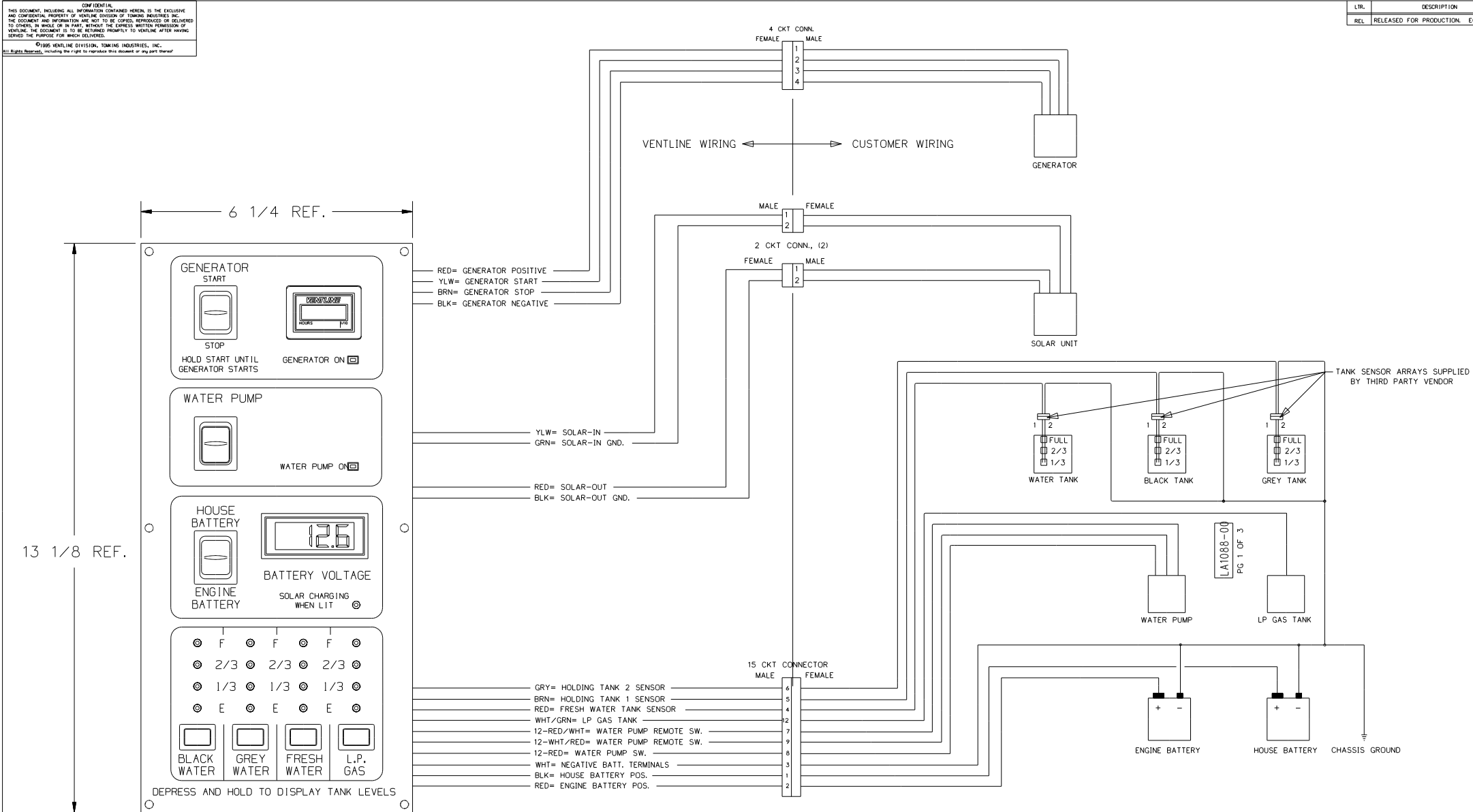
DWG. NO. PG 2 OF 4
LA1087-00

[illegible]

FIRST USED		10 R40CD	
DO NOT SCALE DRAWING			
TITLE: PANEL-MONITOR			
SHEET 10		PART NO 133004	REV
		1 5/12/2009	

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LTR.	DESCRIPTION	DATE	CHK BY	APP BY
REL	RELEASED FOR PRODUCTION. ECN 17491	04/16/09	MJC	MJC



- NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL WIRE IS 22 AWG.
 2. REF. DWG.'S:
HARNESS, INTERNAL & SWITCH= L7862-00
HARNESS, GEN. INTERNAL & SWITCH= L7786-00
HARNESS, SOLAR LIGHT= L7722-00
PCB= L5130-02
HARNESS, TEST= L8012-00
TEST BOX= L8506-00
 3. ALL PIGTAILS TO BE SUPPLIED BY CUSTOMER.
 4. BEFORE PACKING, SECURE HARNESS WITH
VD0169-00 TIE WRAP ON RIGHT SIDE POST.
 5. LA1088-00 IS IDENTICAL IN FUNCTION TO LA1087-00.

*VISUALLY CHECK EACH PANEL
FOR A RED CIRCUIT BOARD THAT IS THE SPECIFIED PART NUMBER*

ENGLISH TOLERANCE UNLESS SPECIFIED
0 PL.:.040 1 PL.:.020
2 PL.:.010 3 PL.:.005
FRACTIONS 1/64

PART NO.	REV'D	MATERIAL	DESCRIPTION	DWG SIZE
LA1088-00			PG 1 OF 3	
DATE	DATE	DATE	DATE	DATE
04/16/09	04/16/09	04/16/09	04/16/09	04/16/09
MJC	MJC	MJC	MJC	MJC
NAME	NAME	NAME	NAME	NAME
FUNCTION DRAWING,	FUNCTION DRAWING,	FUNCTION DRAWING,	FUNCTION DRAWING,	FUNCTION DRAWING,
MONITOR PANEL	MONITOR PANEL	MONITOR PANEL	MONITOR PANEL	MONITOR PANEL
SCALE: NONE	SCALE: NONE	SCALE: NONE	SCALE: NONE	SCALE: NONE
DWG. NO. PG 1 OF 3	DWG. NO. PG 1 OF 3	DWG. NO. PG 1 OF 3	DWG. NO. PG 1 OF 3	DWG. NO. PG 1 OF 3
LA1088-00	LA1088-00	LA1088-00	LA1088-00	LA1088-00

FIRST USED	10 R40CD
DO NOT SCALE DRAWING	
TITLE:	PANEL - MONITOR
SHEET 11	PART NO 133004 REV

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LTR.	DESCRIPTION	DATE	QTY	QTY
REL	RELEASED FOR PRODUCTION	ECN 17491	04/16/09	MJC

