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## NOTICE TO USER

Thank you for purchasing a Rite-Hite product.

The Global Wheel Chock is designed to prevent trailer movement. Signal lights, warning horn and signs provide instructions to truck driver and GWC-1000 operator.

Read and understand contents of this manual prior to installation or operation of this equipment.

Rite-Hite reserves the right to substitute and/or modify parts and drawings. If separate prints are included with the unit, they supersede the manual.

For best results, have this product serviced by your authorized Rite-Hite® Representative.

A Planned Maintenance Program (P.M.P.), customized to your specific operation is available and recommended. For a P.M.P., contact your local Rite-Hite representative.

The Rite-Hite® products in this manual are covered by one or more of the following U.S. patents: 6065172, 6070283, 6085375, 6092970, 6106212, 6116839, 6190109, 6311352, 6322310, 6360394, 6368043, 6488464, 6524053, 6726432, 6773221, 6832403, 7032267, 7062814, 7213285, 7216391, 7363670, 7380305, 7503089, 7533431, 7546655, 7584517, 7681271, 7823239, 7841823, 7877831, 7914042, 8006811, 8065770, 8141189, 8191194, 8286757, 8287223, 8303235, 8307956, 8443474, 8464384, 8464846, 8465245, 8497761, 8499897, 8544130, 8547234, 8590087, 8590673, 8616826, 8657551, 8662535, 8678736, 8690087, 8905198, 9010501, 9096170, 9096397, 9126775, 9139384, 9145273, 9150367, 9174811, 9227799, 9230419 979003, 9481531, 9542824, 9564056, 9564072, 9586771, 9607496, 9633537, 9672713, 9694996, 9738467, 9771225, 9776511, 9777529, D775537, D778184 and may be covered by additional pending U.S. and foreign patent applications.

Rite-Hite®, ThinMan™, Safe-T-Lip®, Hydrachek®, Wheel-Lok™, Dok-Lok®, Dual-Dok®, Safe-T-Strut™, Dok-Commander®, Jumbo™, Hydra-Rite™, Safe-T-Gate®, Rite-Vu™ Hazard Recognition and Communication System, and Smooth Transition Dok System™, are trademarks of Rite-Hite®.

Manufactured by Rite-Hite Products Corporation.

## SAFETY

### Safety Identifications

#### DANGER

Indicates a hazardous situation which, if not avoided, will result in death or serious injury.

#### WARNING

Indicates a hazardous situation which, if not avoided, could result in death or serious injury.

#### CAUTION

Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

#### NOTICE

Indicates a situation which can cause damage to the equipment, personal property and/or the environment, or cause the equipment to operate improperly.

**NOTE:** A note is used to inform you of important installation, operation, or maintenance information.

### General

#### DANGER

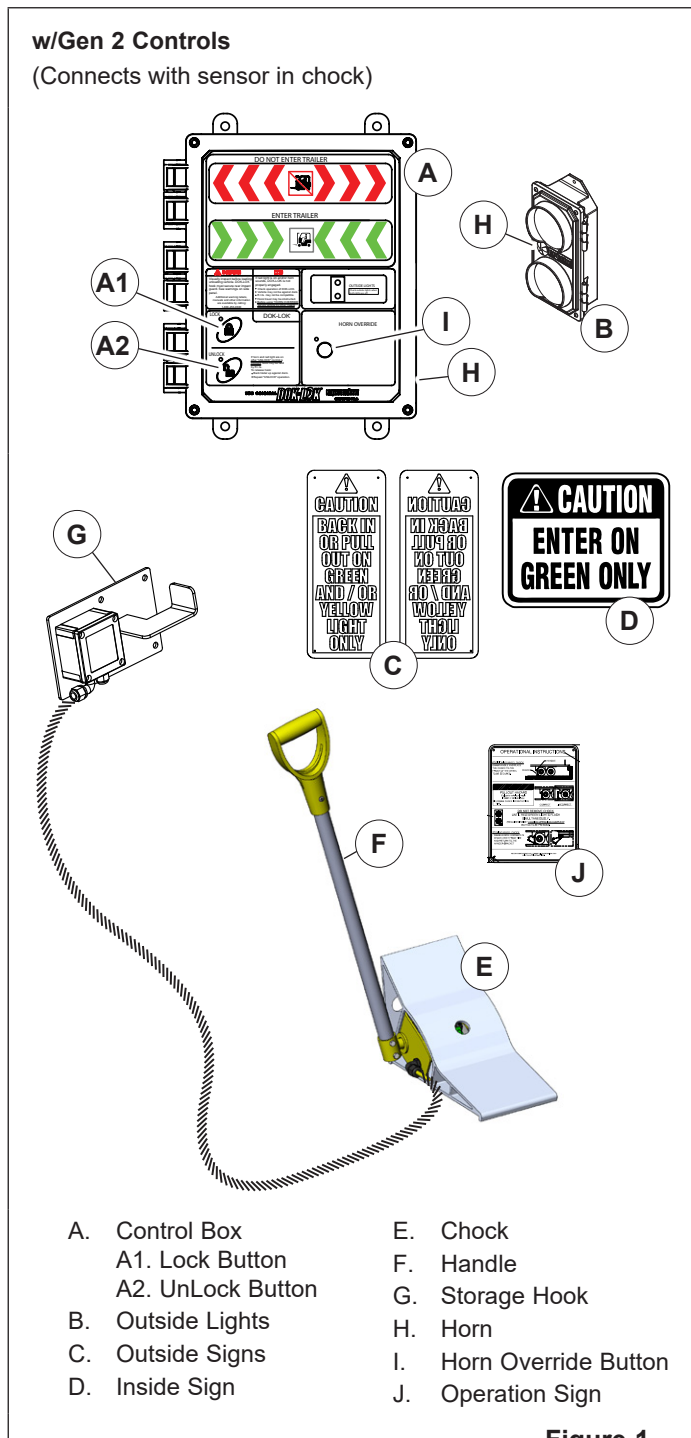
A qualified electrician should install wiring in accordance with local electrical codes.

Use lockout procedures to prevent death or severe personal injury.

#### WARNING

Cancer and Reproductive Harm  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## FEATURES



**Figure 1**

# INSTALLATION

## Overview

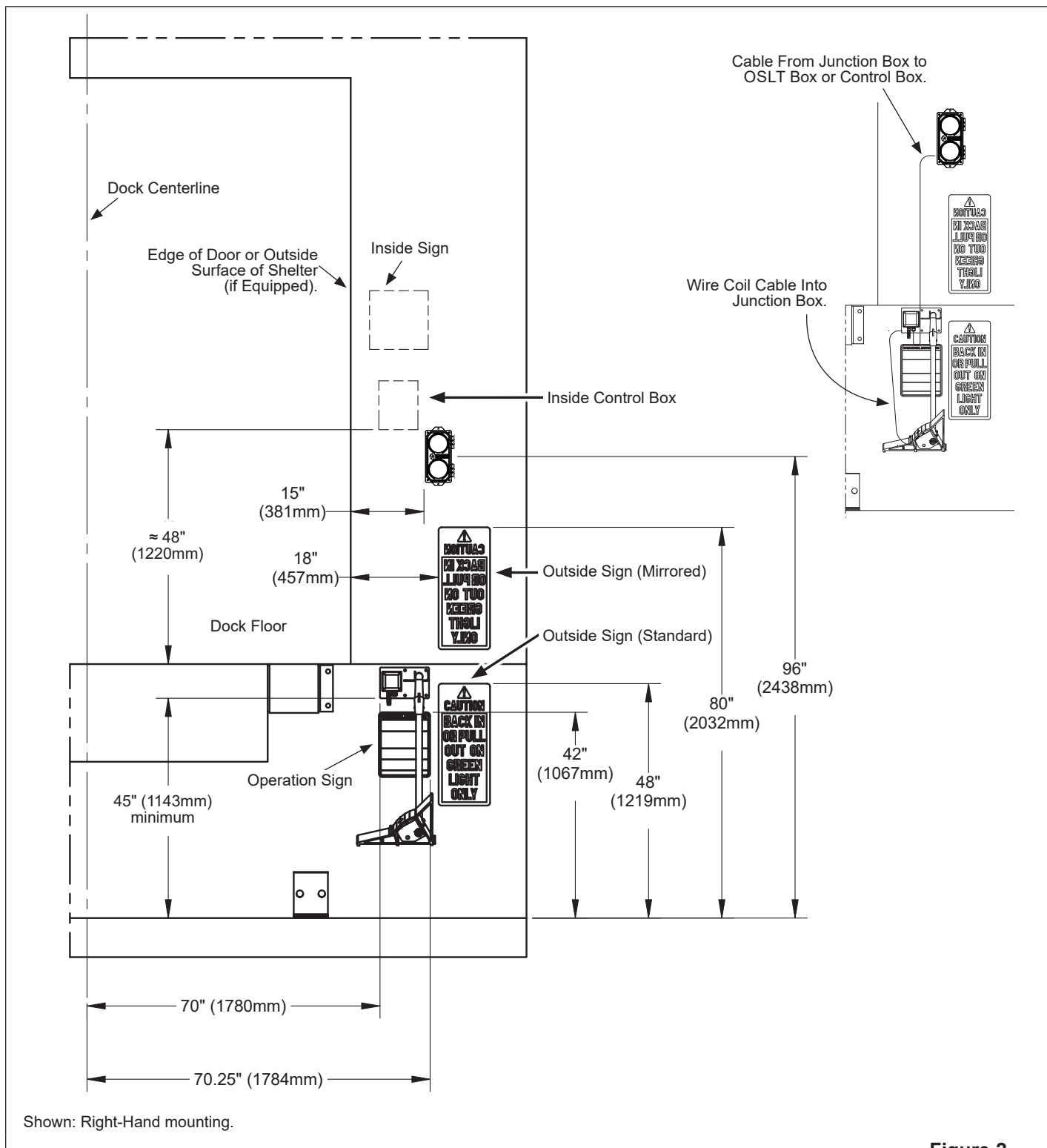


Figure 2

## INSTALLATION

### Change Orientation

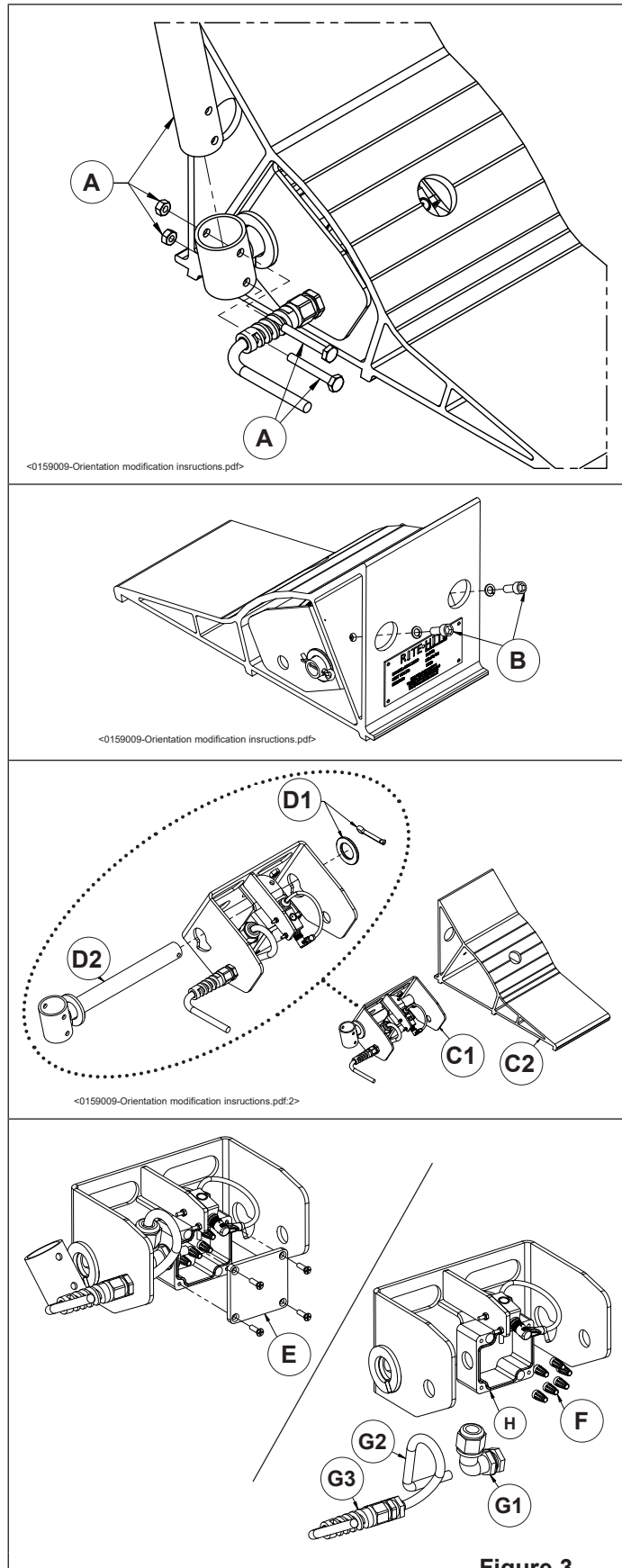


Figure 3

To modify the GWC-1000 for left-hand use from right-hand use:

1. Remove and set aside:
  - (A) Handle and mounting hardware.
  - (B) GWC-1000 mounting bracket and mounting hardware.
  - (C) GWC-1000 assembly (C1) from chock (C2).
  - (D) Shaft retaining hardware (D1) and shaft (D2).
  - (E) Junction box cover and mounting hardware.
  - (F) Wire nuts from wires.
2. Undo wiring in box.
3. Remove 90° cord grip (G1) from junction box (H) and pull cord (G2) through.

## INSTALLATION

### Change Orientation *Continued*

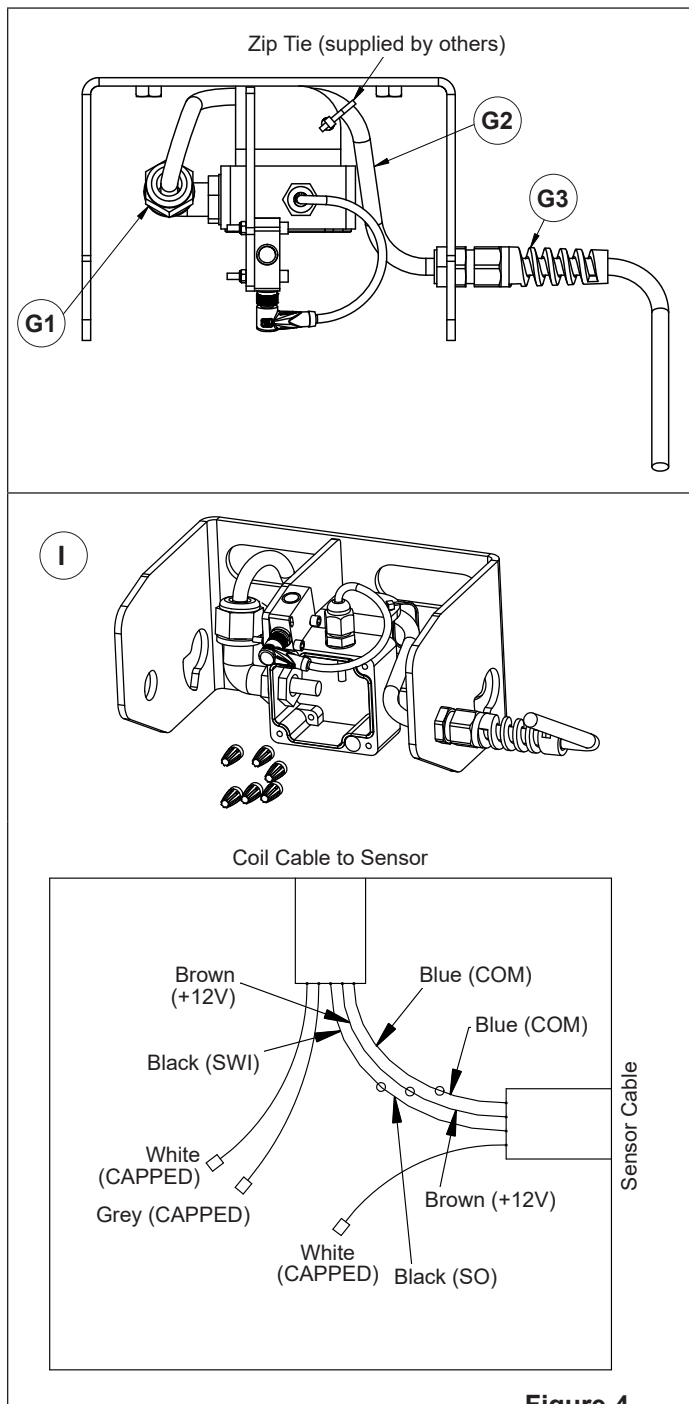


Figure 4

#### 4. Reassemble as shown:

- Leave straight cord grip (G3) on cord (G2) and feed cord back through the bracket.
- Route cord through 90° cord grip (G1) and install onto junction box.
- Use zip tie (supplied by others) to fasten cord to bracket.
- Reinstall straight cord grip to bracket

#### 5. (I) Rewire cords in junction box as shown on wiring diagram.

## INSTALLATION

### Change Orientation *Continued*

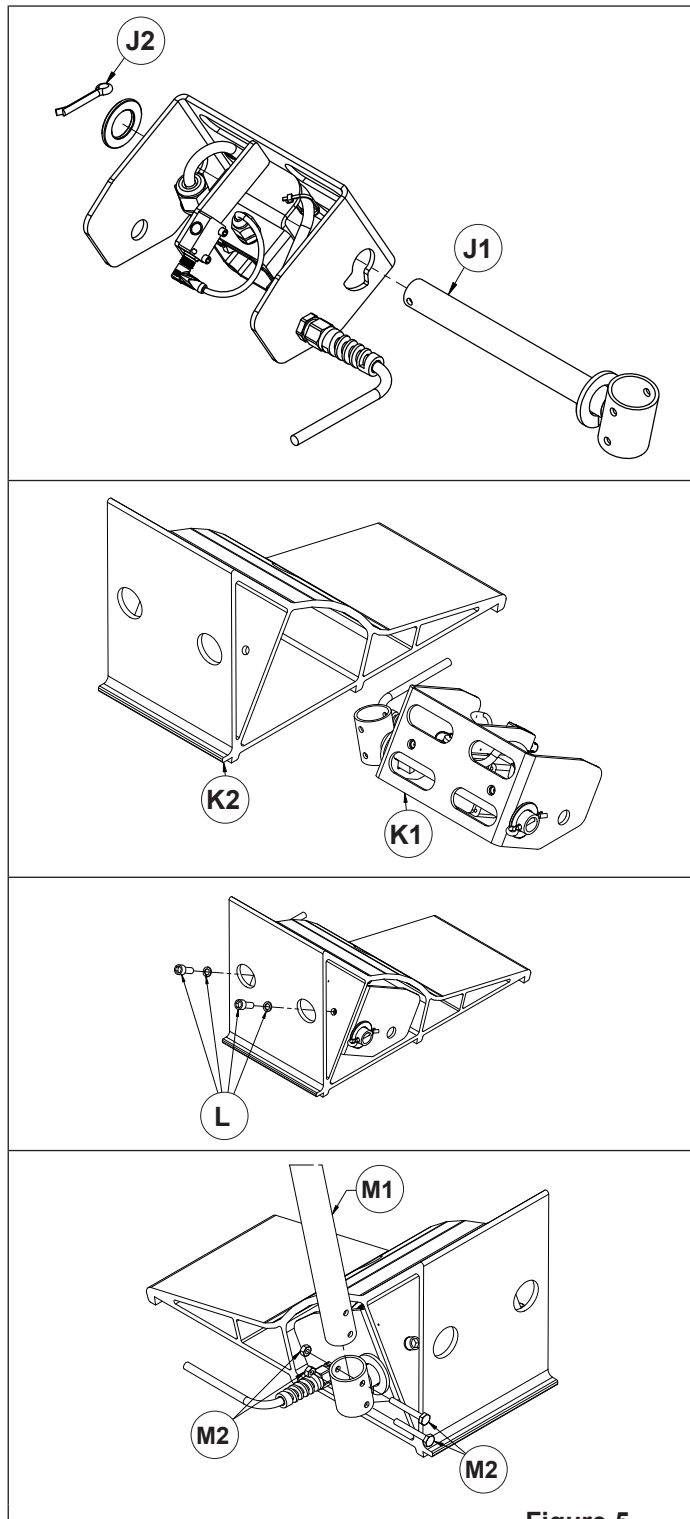


Figure 5

#### 6. Reinstall:

- Shaft (J1) and shaft retaining hardware (J2) .
- GWC-1000 assembly (K1) back into chock (K2).
- GWC-1000 mounting bracket hardware (L)
- Handle (M1) and mounting hardware (M2).

#### 7. Test unit for proper operation.

# ELECTRICAL

## Power-Board 110-120V

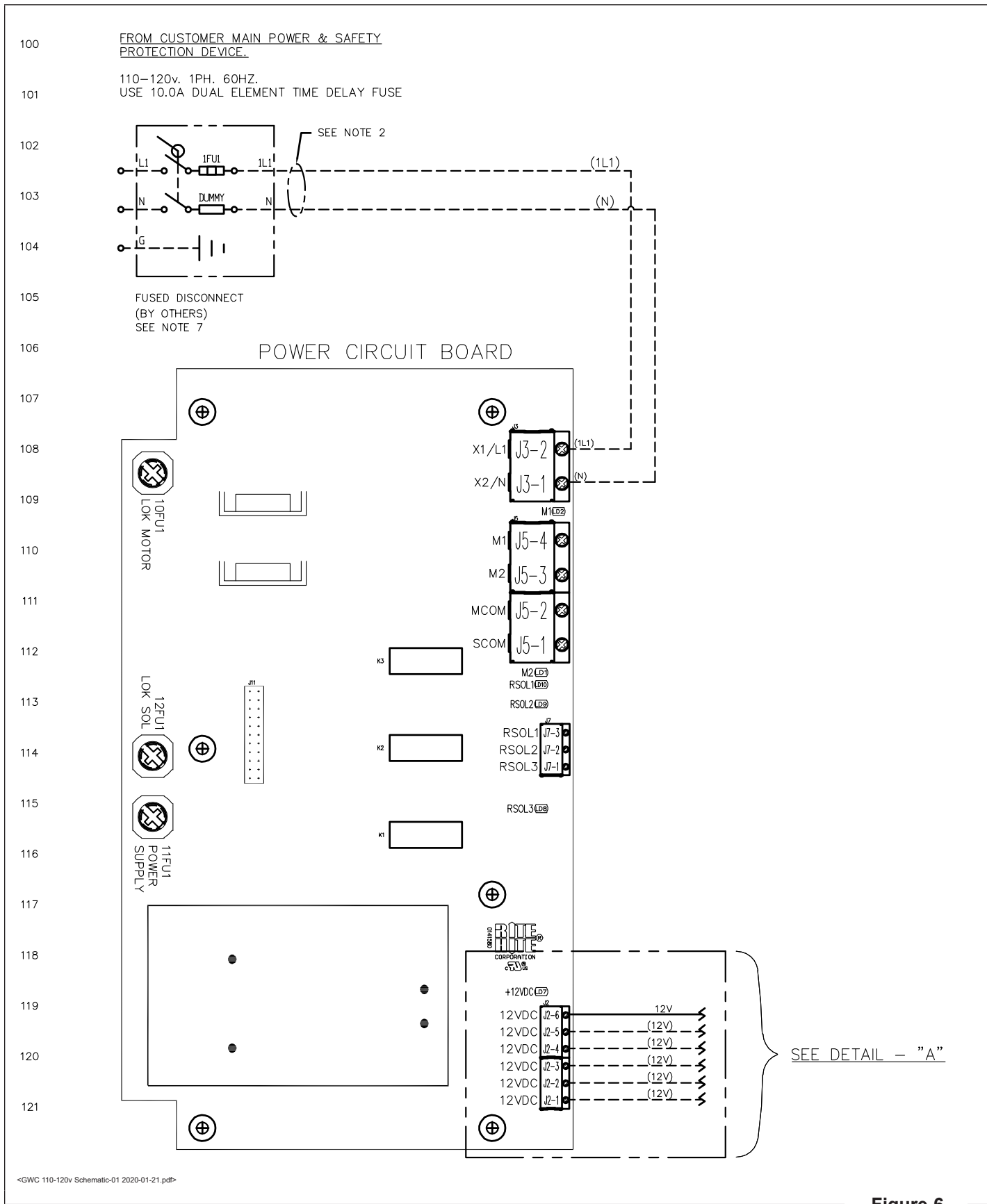


Figure 6

# ELECTRICAL

## Power-Board 208-240V (International Only)

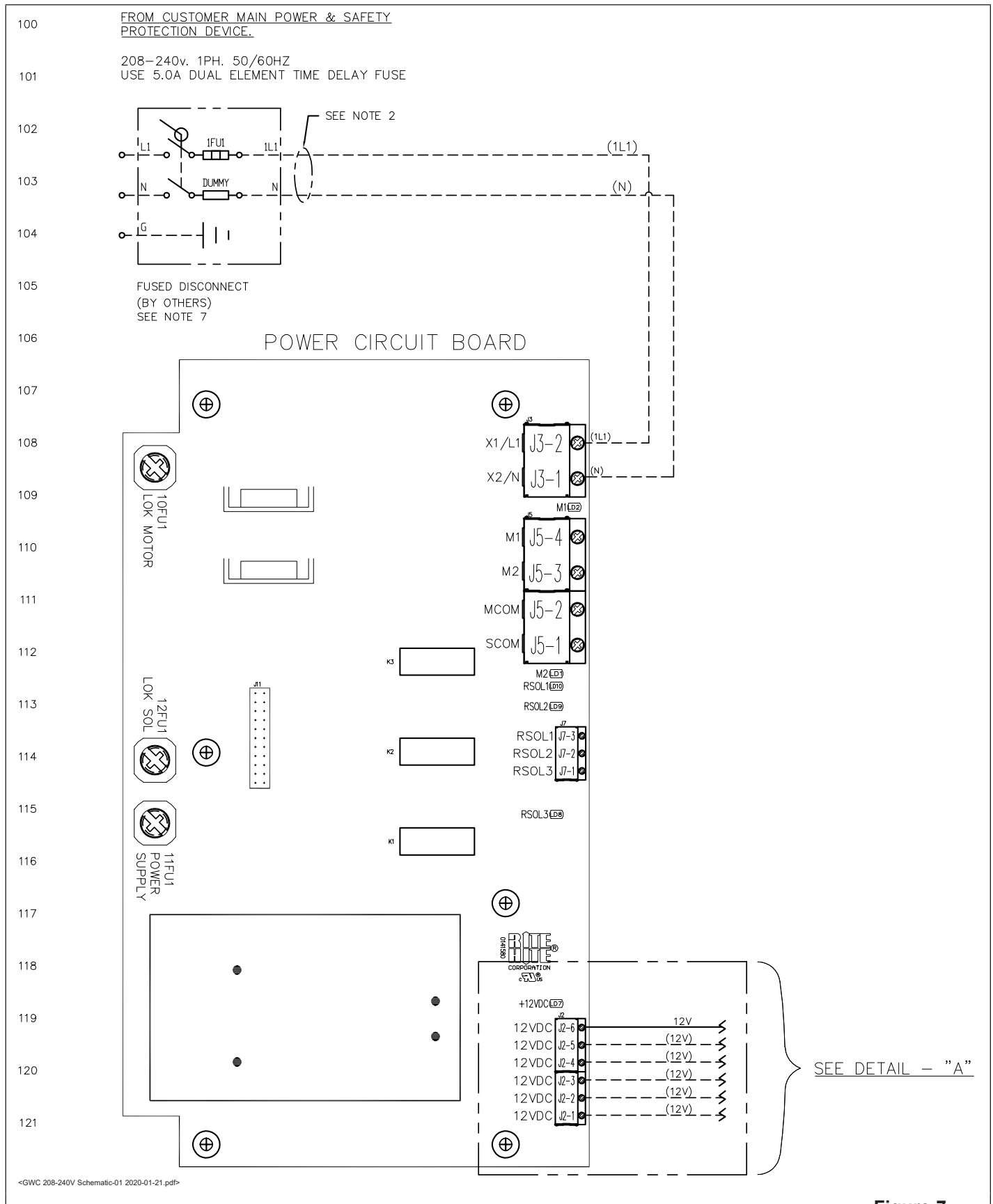


Figure 7

# ELECTRICAL

## Restraint Micro Board

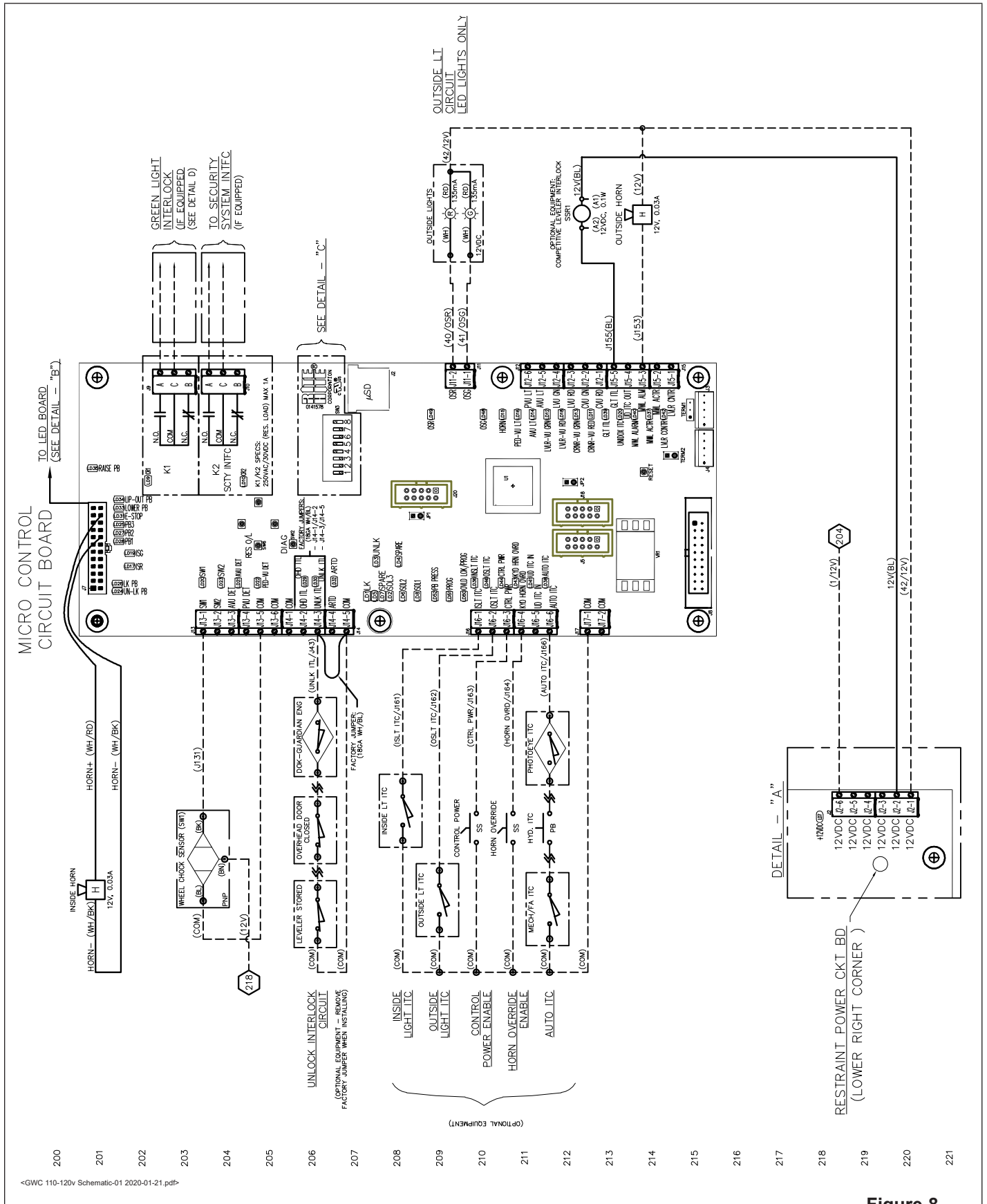
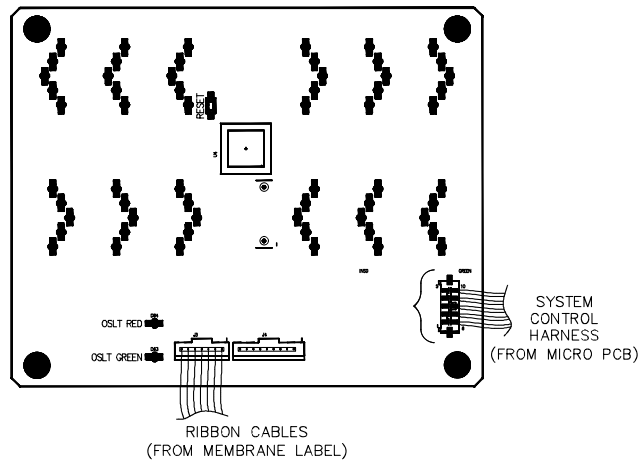


Figure 8

# ELECTRICAL

## Restraint Micro Board *Continued*

DETAIL B – BACK OF COVER



System Control Harness - MEMBRANE

uControl Board		LED Board		WIRE COLOR
J7	Description	J1	Description	
1	USART2_RX	1	MICROPCB_RX	BLUE
2	USART2_TX	2	MICROPCB_TX	GRAY
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13	12V [Vext]	5	12V [Vext]	RED
14	OSG INDICATOR	9	OSG INDICATOR	WHITE/GREEN
15	OSR INDICATOR	10	OSR INDICATOR	WHITE/ORANGE
16	ISR	8	ISR	ORANGE
17	ISG	7	ISG	GREEN
18				
19	HORN [-]			WHITE/BLACK
20	GND	4	DIGITAL GND	WHITE/BLUE
21	RESERVED	6	RESERVED	BLACK
22	USART2_RTS	3	MICROPCB_RTS	WHITE
23	12V [HORN +]			WHITE/RED
24				

1. INSTALL PER LOCAL ELECTRICAL CODES. REFER ALL INSTALLATION AND SERVICE TO QUALIFIED PERSONNEL.
2. ALL INCOMING POWER (FROM DISCONNECT TO CONTROL BOX) AND LEVELER MOTOR FIELD WIRING TO BE MINIMUM #10GA. 60°/75°C COPPER WIRE, INSULATED SUFFICIENTLY FOR INCOMING VOLTAGE.
3. ALL OTHER CONTROL FIELD WIRING TO BE MINIMUM #14GA. 60°/75°C COPPER WIRE ONLY, INSULATED SUFFICIENTLY FOR INCOMING VOLTAGE.
4. ALL INTERNAL WIRING TO BE #14GA. MINIMUM FOR POWER CIRCUITS AND CIRCUIT BOARD POWER, #16GA MINIMUM FOR CONTROL CIRCUITS, 90°C, RED COPPER WIRE UNLESS OTHERWISE NOTED, INSULATED SUFFICIENTLY FOR INCOMING VOLTAGE.
5. TORQUE REQUIREMENTS:
  - PCB TERMINAL BLOCK POWER (J3/J5): 7.0 LB-IN
  - PCB TERMINAL BLOCK CONTROL (J7): 6.0 LB-IN
  - PCB TERMINAL BLOCK ALL OTHER: 4.0 LB-IN
  - INCOMING POWER TERMINAL BLOCK: 12.2-13.4 LB-IN (MIN-MAX)
  - FUSE BLOCK POWER: 14.75 LB-IN
  - CONTACTOR/OVERLOAD: 15 LB-IN
  - DISCONNECT: 7 LB-IN
  - GROUND TERMINAL: 35 LB-IN
  - SOLID STATE RELAY TERMINAL: 35 LB-IN
6. SEE OWNERS MANUAL FOR COMPLETE OPERATING INSTRUCTIONS.
7. DISCONNECT NOTES:
  - DISCONNECT IS NOT PROVIDED BY RITE-HITE PRODUCTS CORPORATION. DISCONNECT MUST BE PROVIDED BY OTHERS AND INSTALLED PER LATEST EDITION OF UL508A AND NEC REQUIREMENTS.
  - A BRANCH CIRCUIT DISCONNECT SHALL BE LOCATED WITHIN A 50 FT. RADIUS AND BE VISIBLE FROM THE CONTROL BOX LOCATION. [REFERENCE LATEST EDITION OF NEC, SECTION 430]
8. CLASS 1 CONTROL CIRCUIT.

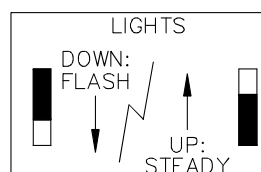
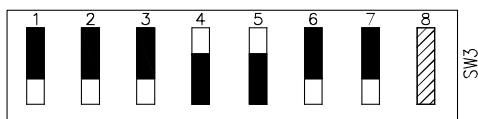
LEGEND:

- DENOTES WIRE CONNECTIONS THRU TERMINAL BLOCK.
- DENOTES FIELD WIRES.
- ⊙ DENOTES WIRE NUT CONNECTION.
- ← DENOTES MALE/FEMALE PLUG CONNECTOR.

<SHR 5000\_Schematic(PG2).pdf>

DETAIL – "C" RESTRAINT MICRO CB DIP SWITCH SETTINGS

DIP SW	FACTORY DEFAULT SETTING	OPTION FUNCTION
1	DOWN	LEVELER STRD FUNC (UNLK) (FACTORY USE)
2	DOWN	INSIDE RED LIGHT
3	DOWN	INSIDE GREEN LIGHT
4	UP	CORNER AND LEVELER-VU - RED
5	UP	CORNER AND LEVELER-VU - GREEN
6	DOWN	OUTSIDE LIGHTS - RED/GREEN
7	DOWN	PEDESTRIAN-VU FUNC: (FACTORY USE)
8	XXXX	CODED HORN SILENCE - SEE NOTE PG 1 (IF EQUIPPED)



<GWC Restraint Microboard\_part 2 180124.pdf>

Figure 9



# ELECTRICAL

## Wiring: Pedestrian-Vu

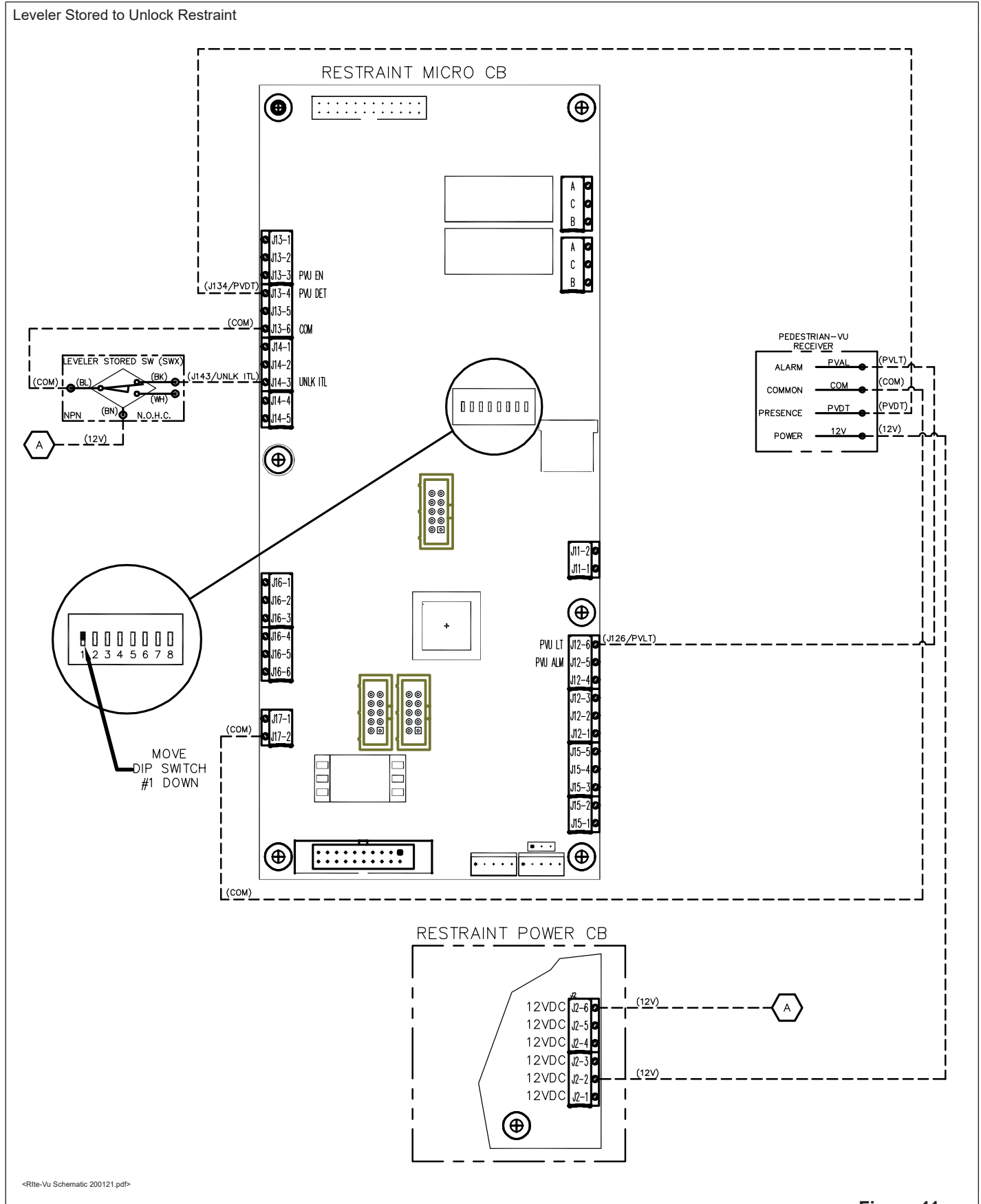
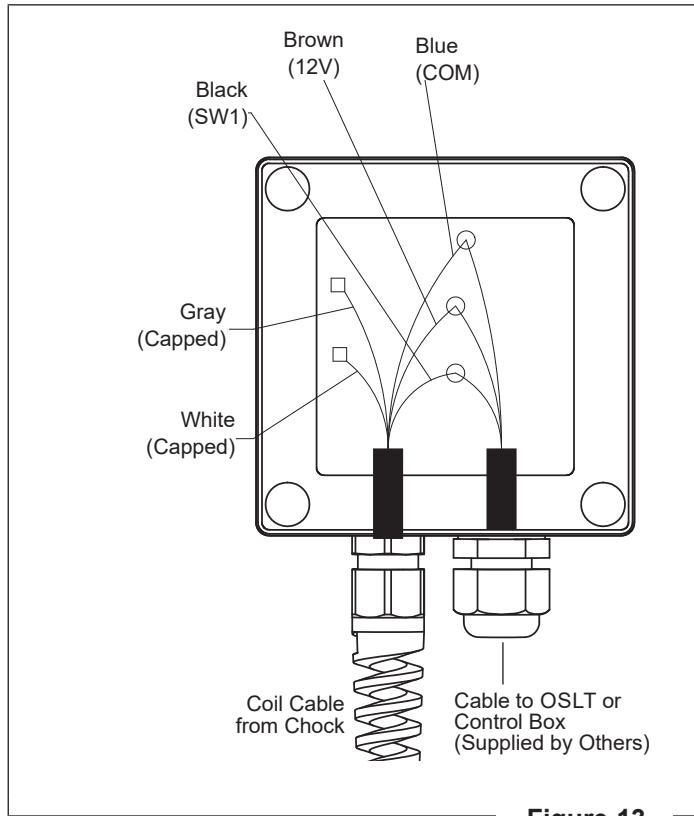


Figure 11

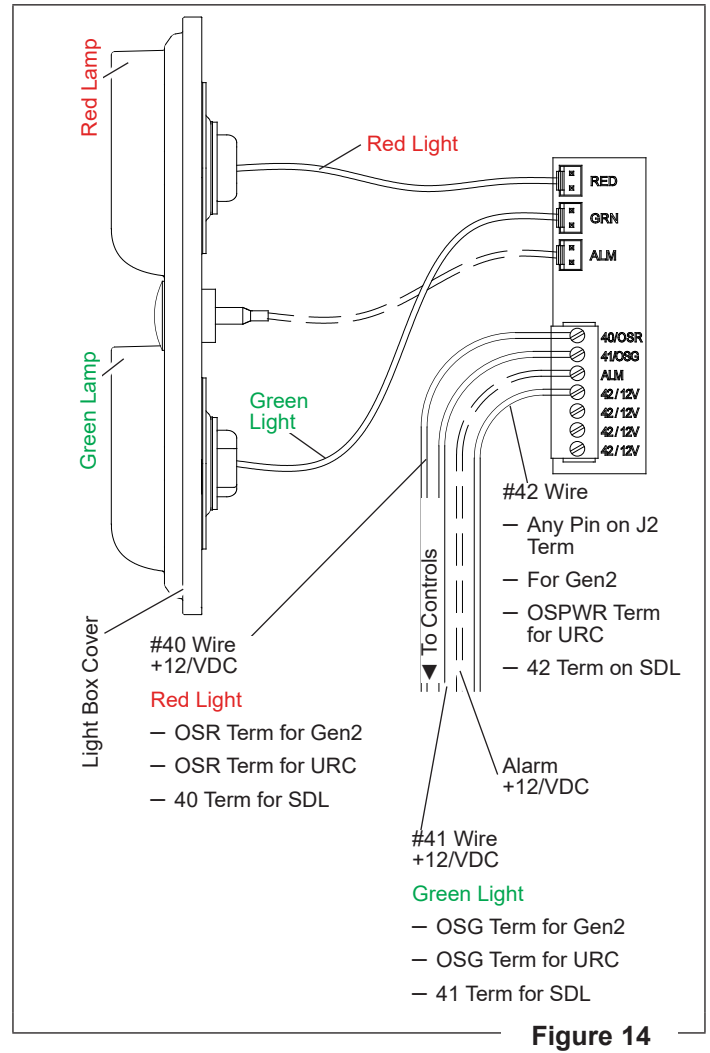


## ELECTRICAL

### Wiring: Junction Box

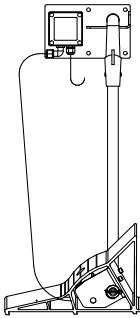
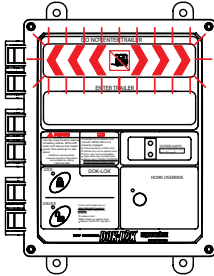
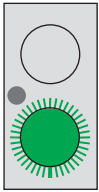
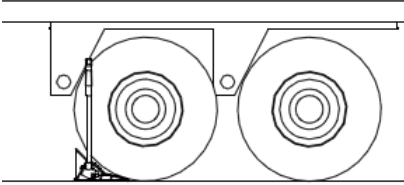
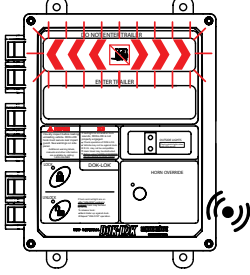
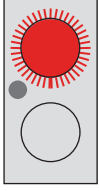
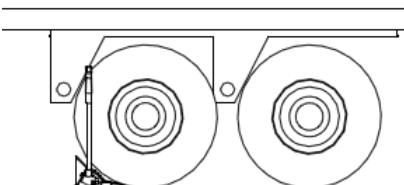
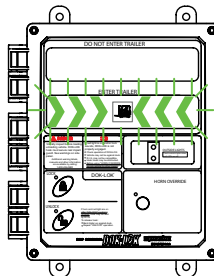
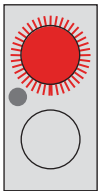
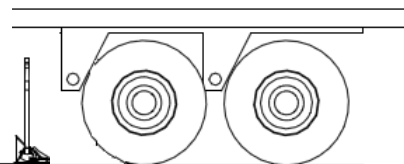
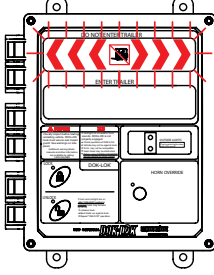
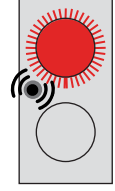


### Wiring: Outside Light Box



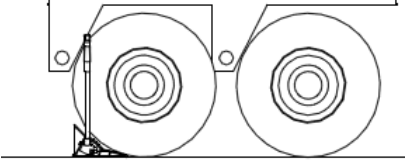
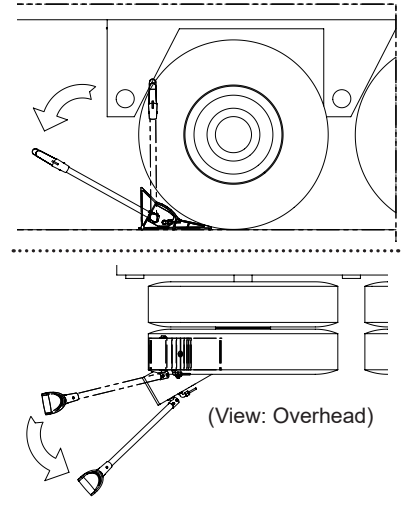
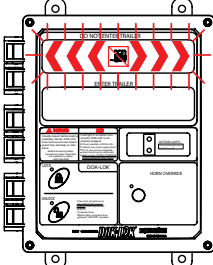
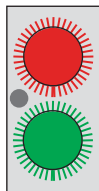

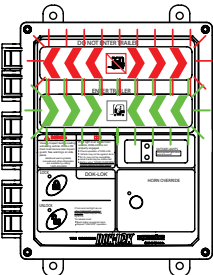
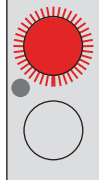
# OPERATION

## Gen 2 Controls

CHOCK		DEFAULT STATUS	
STATE	POSITION	CONTROL BOX: INSIDE LIGHTS, SOUND	OUTSIDE LIGHTS, SOUND
<p><b>Stored</b></p> <p>No Truck / Trailer at Dock position.</p>		 <p>Red</p>	 <p>Green</p> <p>A truck / trailer may enter or exit the loading bay.</p>
<p><b>Placed</b></p> <p>Truck / Trailer at Dock Position.</p> <p>Operator secures trailer using chock.</p>		 <p>Red</p> <p>Inside horn pulses until Lock button is pressed.</p>	 <p>Red</p> <p>Alerts truck driver not to move.</p>
<p><b>Locked</b></p> <p>Operator presses LOCK button.</p>		 <p>Green</p> <p>Inside horn stops.</p>	 <p>Red</p> <p>Alerts truck driver not to move.</p>
<p><b>Faulted</b></p> <p>The chock is not secure and/or the wheel sensor loses it's signal after the LOCK button is pressed.</p>		 <p>Red</p> <p>Inside horn on.</p>	 <p>Red</p> <p>Outside horn turns on.</p> <p>Alerts truck driver not to move.</p>

# OPERATION

## Gen 2 Controls *Continued*

CHOCK		DEFAULT STATUS	
STATE	POSITION	CONTROL BOX: INSIDE LIGHTS, SOUND	OUTSIDE LIGHTS, SOUND
<p><b>Unlocked</b></p> <p>Operator presses UNLOCK button.</p>			
<p><b>Unlocked / Remove Chock</b></p> <p>Operator removes and stores chock.</p> <p>After chock is removed there is a 5 second delay and default status returns to 'Stored' state.</p>	 <p>(View: Overhead)</p>	 <p>Red</p>	 <p>Red (flashing) and Green (flashing) Alerts truck driver not to move.</p>
<div style="background-color: red; color: white; padding: 5px; text-align: center;">  <b>DANGER</b> </div> <p><b>Before operating "HORN OVERRIDE", secure trailer by other means.</b></p> <p><b>Horn Override</b></p> <p>An alternate means of securing the truck/trailer must be used (e.g. wheel chocks).</p> <ol style="list-style-type: none"> <li>1. Press the LOCK button to re-initiate system.</li> <li>2. Press HORN OVERRIDE button.</li> </ol> <p>To return to STORED:</p> <ol style="list-style-type: none"> <li>1. Press HORN OVERRIDE button</li> <li>2. Press UNLOCK button.</li> </ol>		 <p>Red (flashing) Green (flashing) Alerts operator trailer is secured by other means.</p>	 <p>Red Alerts truck driver not to move.</p>

# MAINTENANCE

Inspect chock before each use for damage or loose parts.  
 Replace parts and tighten loose fasteners as needed.

## Planned Maintenance

#	P.M. IN DAYS			INSPECT AND PERFORM:
	1	180	360	
1	✓	✓	✓	Verify horns, inside and outside lights are working.
2	✓	✓	✓	Replace damaged or missing light bulbs and lenses.
3	✓	✓	✓	Repair, remount, or replace outside and inside signs as required.
4	-	✓	✓	Inspect all conduit boxes, control boxes and electrical connections for damage. Repair or replace if worn or damaged. If control box has evidence of condensation: a. Inspect conduit. Conduit should be routed to enter through bottom or side of enclosure. A drip leg may be needed if conduit is filling with water. b. Inspect seal on cover of enclosure. Seal should be securely adhered to cover with no signs of peeling or bubbling. Repair or replace if worn or damaged. c. For non-metallic enclosures, breather vent (part number 122130) may be installed. Vent is NEMA 4X and will not change environmental rating of control box.
5	-	✓	✓	Perform operational test after all maintenance repairs and adjustments are complete.
6	-	-	✓	Check and tighten control box mounting hardware

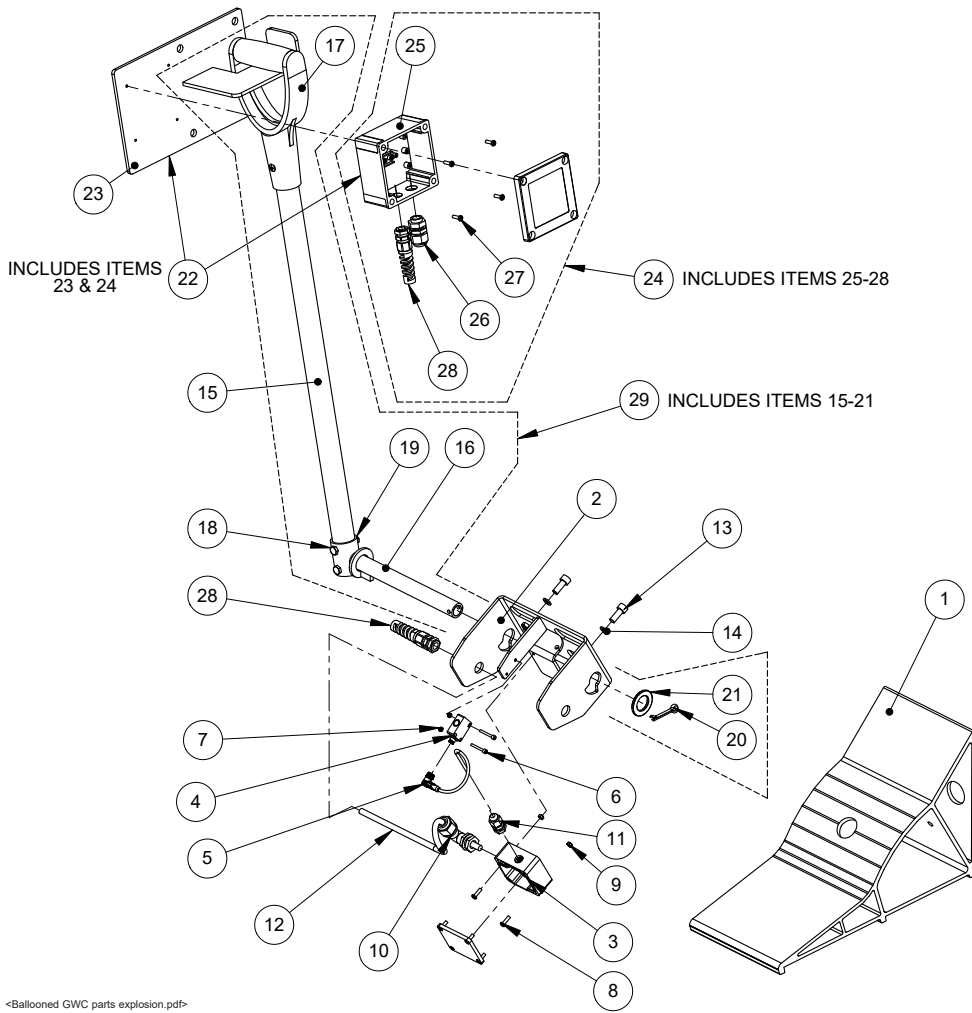
# TROUBLESHOOTING

## LED Status Chart

		MICRO CONTROL BOARD															POWER BOARD								
		INPUTS						OUTPUTS																	
		FIELD			PUSH BUTTONS			12VDC									RELAY		115/230VAC						
		Dok-Lok Limit Switch 1 [SW1]	Dok-Lok Limit Switch 2 [SW2]	Unlock Interlock [UNLK ITL]	Lock	Unlock	Horn Silence (1/2/3)	Inside Red Light [ISR]	Inside Green Light [ISG]	Corner-Vu Red Light [CVU RD]	Corner-Vu Green Light [CVU GRN]	Leveler-Vu Red Light [LVU RD]	Leveler-Vu Green Light [-VU GRN]	Outside Red Light [OSR]	Outside Green Light [OSG]	Dok-Lok Horn [HORN]	Restraint Overload LED [YELLOW]	K1 - Green Light Interlock	K2 - Security System Interface [IF EQUIPPED]	Motor Output #1 [M1/LOCK]	Motor Output #2 [M2/UNLOCK]	12VDC Power Supply OK			
<b>TERMINAL BLOCK NO.</b>		J13.1	J13.2	J14.3	Membrane			J7.16	J7.17	J12.1	J12.2	J12.3	J12.4	J11.2	J11.1	J7.19	N/A	J9.3	J10.3	J5.4	J5.3	J2.1-6			
<b>POWER BOARD LEDS</b>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	LD2	LD1	LD7			
<b>MICRO CONTROL BOARD LEDS</b>		LD20	LD23	LD30	LD52			LD17	LD19	LD11	LD13	LD18	LD12	LD49	LD48	LD15	LD50	LD9	LD10	LD1	LD3	-			
NO	State/Sequence No.	01.01.00	Locked State	T	?	?	-	-	-	F	P	F	P	F	P	P	F	F	F	T	T	F	F	T	
		01.02.00	Unlocked / Do Not Enter State	F	?	?	-	-	-	P	F	P	F	P	F	P	F	F	F	F	T	F	F	T	
		01.04.00	Fault State	?	?	?	-	-	-	P	F	P	F	P	F	P	F	F	F	F	F	F	F	T	
		01.04.01	Fault Silenced State	?	?	?	-	-	M	A			A			A			P	F	F	T	F	F	T
		01.07.00	Hooked State	T	?	?	M	M	-	P	F	P	F	P	F	P	F	K	F	F	T	F	F	T	
		01.08.01	Transition State Unlocking	F	F	ITL	-	-	P	F	P	F	P	F	P	P	F	F	F	F	T	F	F	T	
		01.08.03	Locked State Fault	F	F	?	-	-	P	F	P	F	P	F	P	F	F	F	F	F	F	F	F	T	

# PARTS

## GWC-1000



<Ballooned GWC parts explosion.pdf>

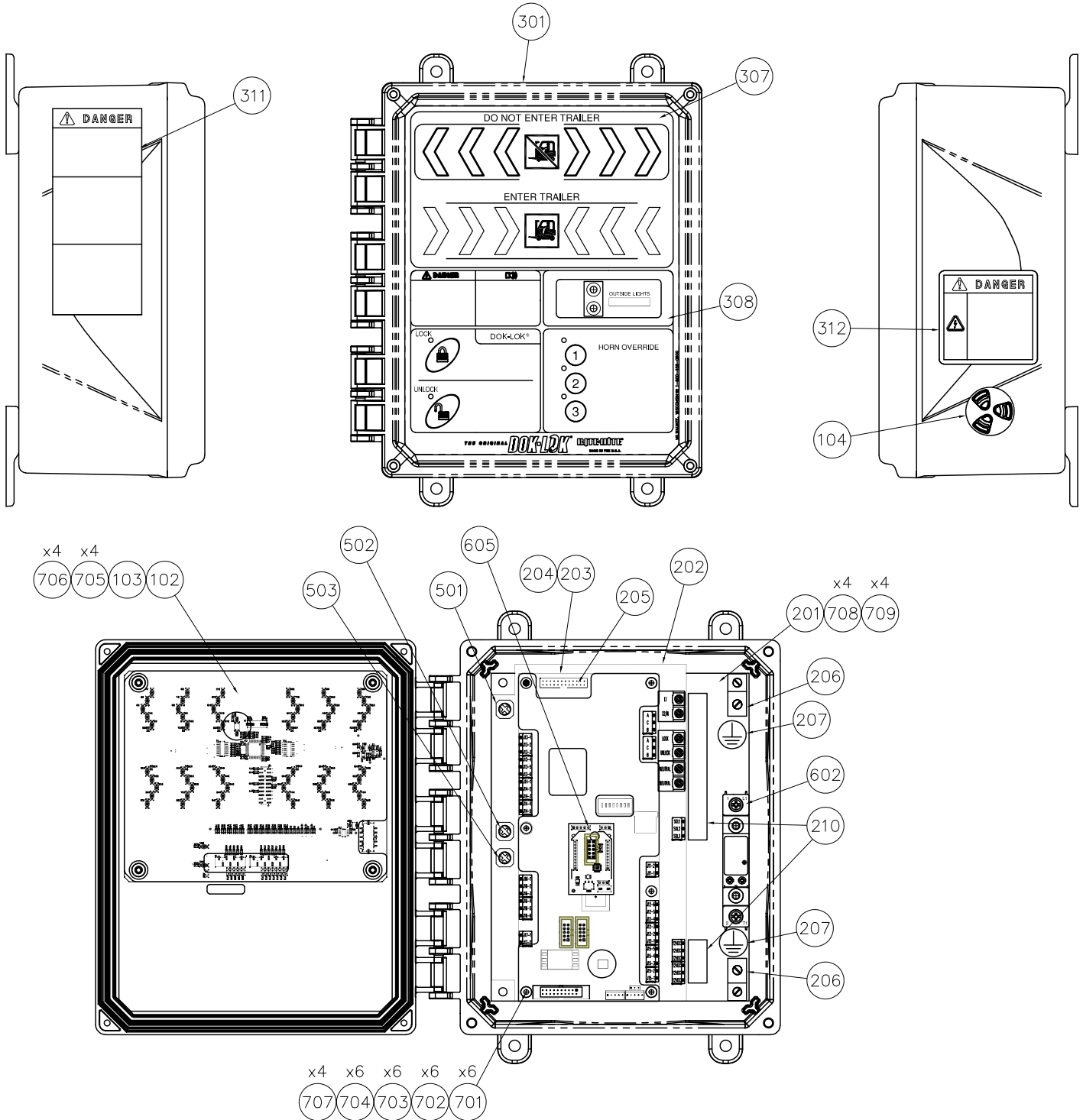
#	QTY	DESCRIPTION	PART #
-	X	GWC10 RIGHT SIDE FACING DOCK ALP	0152598
1	1	CHOCK ALUM 7 X 9.5 X 16.092L	0152599
2	1	BRKT INSERT WLDMT WHLCHK	0152620
3	1	JUNCTION BOX ALUM	0152615
4	1	SENSOR U-SONIC PRGMD	0152618
5	1	CONN FEM M8 4PIN 90DEG	0152617
6	2	SCR ALLEN HEAD M3×25 SS	0152680
7	2	NUT M3 SS	0152611
8	2	SCR PHMS PHLP M4×20 SS	0152710
9	2	NUT M4 SS	0152610
10	1	CORD GRIP STRAIGHT 90DEG	0152612
11	1	CORD GRIP STRAIGHT	0152613
12	1	COIL CORD 4.5M (STD)	0152614
		COIL CORD 7M (NON-STD / SPCL ORDER)	0158573
13	2	SCR ALLEN HEAD M8 SS	0152676
14	2	WSHR LK SPT M8 SS	0152674

#	QTY	DESCRIPTION	PART #
15	1	HANDLE PIVOT CHOCK	0152600
16	1	HNDL WLDMNT PIVOT CHOCK	0152604
17	1	HANDLE SHOVEL FIBERGLASS	0152601
18	2	SCR HHMS M6×45 ZP	0152678
19	2	NUT M6 ZP	0152677
20	1	PIN COTTER 5MM X 40MM ZP	0152675
21	1	WSHR FLAT ID23×OD39×T3 SS	0152711
22	1	MOUNTING BRKT W/JB (INCLUDES ITEMS 23 & 24)	0159200
23	1	MOUNTING BRKT	0152629
24	1	JUNCTION BOX ASSY (INCLUDES ITEMS 25-28)	0152625
25	1	JUNCTION BOX DRILLED	0152626
26	1	CORD GRIP STRAIGHT	0152681
27	4	SCR PHMS PHLP M4×12 SS	0161583
28	2	CORD GRIP STRAIGHT STRAIN RELIEF	0158840
29	1	HANDLE KIT GWC10 (INCLUDES ITEMS 15-21)	0159187

**NOTE:** For ordering purposes, the leading "0" or "00" may need to be dropped from Part Number (e.g. "0054321" could be "54321" or "0123456" could be "123456").

# PARTS

## Gen 2 Controls



<GWC Enclosure Layout 2020-01-21.pdf>

**PARTS****Gen 2 Controls** *Continued*

#	QTY	DESCRIPTION	PART #
1	1	CONTROL BOX ASSEMBLY COMPLETE 115V / 1PH / 60HZ	863SP149
		CONTROL BOX ASSEMBLY COMPLETE 230V / 1PH / 50HZ	863SP150
102	1	CIRCUIT BOARD, LED CHVRN/OSLT MON	0141579
103	1	CIRCUIT BOARD COVER (LED CHVRN/OSLT MON)	0156257
104	1	HORN 5-15VDC 92-103DB STDY N4X	0141573
201	1	BACK PANEL DRILLED	0144757
202	1	POWER CIRCUIT BOARD (W/ FUSES 115V)	0142126-04
		POWER CIRCUIT BOARD (W/ FUSES 230V)	0142126-05
203	1	MICRO-CONTROLLER CIRCUIT BOARD	0141578- 861SP213
204	1	CIRCUIT BOARD COVER (MICROCONTROLLER)	0156256
205	1	CONTROL WIRING HARNESS	0144864-01
206	2	GROUND LUG	0055902
207	2	GROUND LUG DECAL	0105454
210	1	PANEL DECALS	0146324
301	1	STANDARD DRILLED ENCLOSURE WITH DECALS	865SP117
303*	1	DECAL FU REPL LOK GEN2	0144849
305*	1	DECAL PROGRAM CONFIG (NOT SHOWN)	862SP208
307	1	COVER DECAL, MEMBRANE PUSH BUTTONS	0141499
308	1	INLAY DECAL 3-BUTTON HORN OVERRIDE	0152738
311	1	DECAL DANGER/WARNING	0152737
312	1	DECAL WARNING LOCK-OUT/TAG-OUT	0114331
501	1	FU 6A 250V 3AG .25 X 1.25 TD (115V)	0065263
		FU 4A 250V 3AG .25 X 1.25 TD (230V)	0057552
502	1	FU 1A 250V 5MM X 20MM TD (115V)	0142092
		FU 0.5A 250V 5MM X 20MM TD (230V)	0145216
503	1	FU 1.5A 250V 5MM X 20MM TD	0150984
602	1	RLY CMPNTS 75A INTERLOCK (OPTIONAL)	0144877
605	1	CIRCUIT BOARD OPTI-VU (OPTIONAL)	0159000
701	6	STDF .25HEX X .75L #6-32 MALE-FEMALE	0142100
702	6	STDF .25HEX X 1.625L #6-32 MALE-FEMALE	0142101
703	6	SCR #6-32 X .25L MACH RND SLTD	0133366
704	6	LOCK WASHER #6 INTERNAL TOOTH ZINC PLATED	0051826
705	4	RUBBER GROMMET .625OD .375ID	0142102

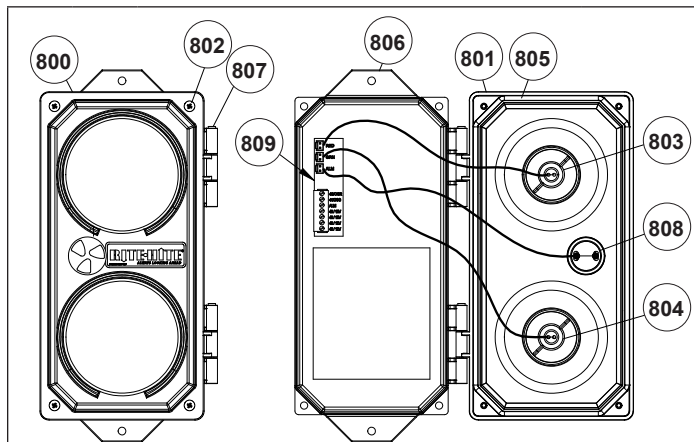
#	QTY	DESCRIPTION	PART #
706	4	SCR #8X.5 TRIM BLK WSHR HD	0146031
707	4	STDF .25HEX X .875L #6-32 MALE-FEMALE	0115871
708	4	SCREW 10-32UNC X .5L RND HD MACH	0051629
709	4	LOCK WASHER #10 EXTERNAL TOOTH ZINC PLATED	0051762

\*Not Shown

**NOTE:** For ordering purposes, the leading "0" or "00" may need to be dropped from Part Number (e.g. "0054321" could be "54321" or "0123456" could be "123456").

## PARTS

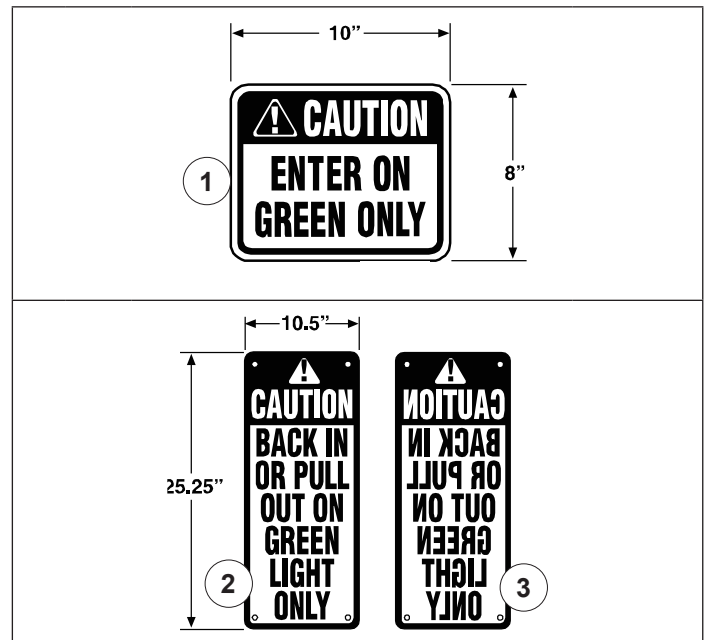
### Outside Light



<20170490\_OSLT\_Horn\_BOM\_001.pdf>

#	QTY	DESCRIPTION	PART #
800	1	LED Outside Light Assembly RED/GRN/HRN, Complete	0155407
801	1	LED Outside Light Assembly RED/GRN/HRN, Doesn't Include Base	0155408
802	4	SCR #10-32X.438 MACH RND CAPTIVE BLK	0155416
803	1	LED Outside Light Bulb, Red	0155406
804	1	LED Outside Light Bulb, Green	0155405
805	1	Rubber Gasket	0155399
806	1	Outside Light Enclosure Base	0155400
807	2	Hinge Pin	0155398
808	1	Horn	0155410
809	1	Circuit Board	0155413

### Signs



#	QTY	DESCRIPTION	PART #
1	1	Interior Warning Sign	0056095
2	1	Narrow Sign (normal letters)	0056112
3	1	Narrow Sign (mirror letters)	0056113

**NOTE:** For ordering purposes, the leading "0" or "00" may need to be dropped from Part Number (e.g. "0054321" could be "54321" or "0123456" could be "123456").



Rite-Hite Company, LLC and its affiliates (collectively "Rite-Hite") warrant that the Product sold to the Owner will be free of defects in design, materials and workmanship (ordinary wear and tear excepted) for the periods set forth below ("Limited Warranty").

One (1) Year(s) on all mechanical and electrical parts (non-prorated).  
 One (1) Year(s) labor, based on Rite-Hite approved travel and labor repair times.

### REMEDIES

**Parts:** Rite-Hite's obligations under this Limited Warranty are limited to repairing or replacing, at Rite-Hite's option, any part which is determined by Rite-Hite to be defective during the applicable warranty period. Such repair or replacement shall be Rite-Hite's sole obligation and the Owner's exclusive remedy under this Limited Warranty.

**Labor:** Rite-Hite will provide warranty service without charge for labor per the specified warranty period. Thereafter, a charge will apply to any repair or replacement under this Limited Warranty.

**CLAIMS** Claims under this Limited Warranty must be made (i) within 30 (thirty) days after discovery and (ii) prior to expiration of the applicable warranty period. Warranty period commences on the date of shipment. Claims shall be made in writing or by contacting the representative from whom the Product was purchased directly. Owner must allow Rite-Hite or its agent, a reasonable opportunity to inspect any Product claimed to be defective and shall, at Rite-Hite's option, either (x) grant Rite-Hite or its agent access to Owner's premises for the purpose of repairing or replacing the Product or (y) return of the Product to the Rite-Hite, F.O.B. Rite-Hite's factory.

**NOT WARRANTED** Rite-Hite does not warrant against and is not responsible for wear items such as fuses, batteries, bulbs, vision and seals. No implied warranty shall be deemed to cover damages that result directly or indirectly from: (i) the unauthorized modification or repair of the Product, (ii) damage due to misuse, neglect, accident, failure to provide necessary maintenance, or normal wear and tear of the Product, (iii) failure to follow Rite-Hite's instructions for installation, failure to operate the Product within the Product's rated capacities and/or specified design parameters, or failure to properly maintain the Product, (iv) use of the Product in a manner that is inconsistent with Rite-Hite's guidelines or local building codes, (v) movement, settling, distortion, or collapse of the ground, or of improvements to which the Products are affixed, (vi) fire, flood, earthquake, elements of nature or acts of God, riots, civil disorder, war, or any other cause beyond the reasonable control of Rite-Hite, (vii) improper handling, storage, abuse, or neglect of the Product by Owner or by any third party.

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