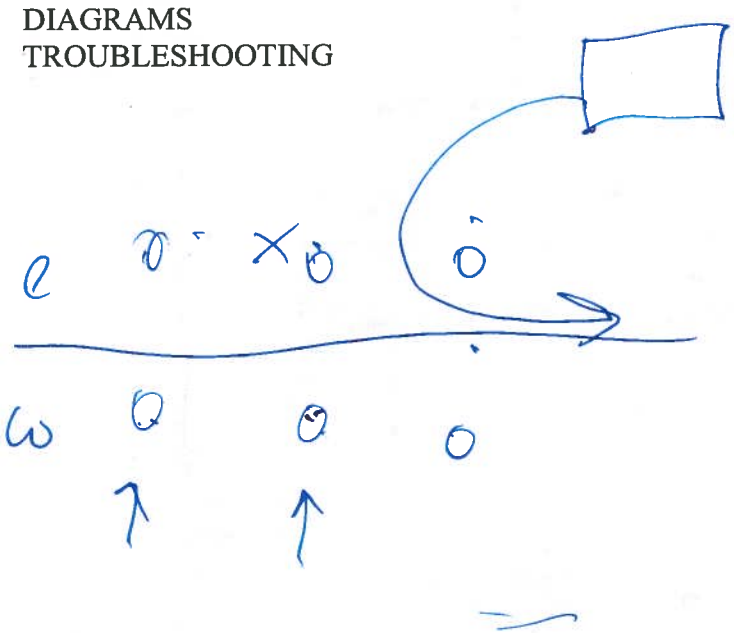
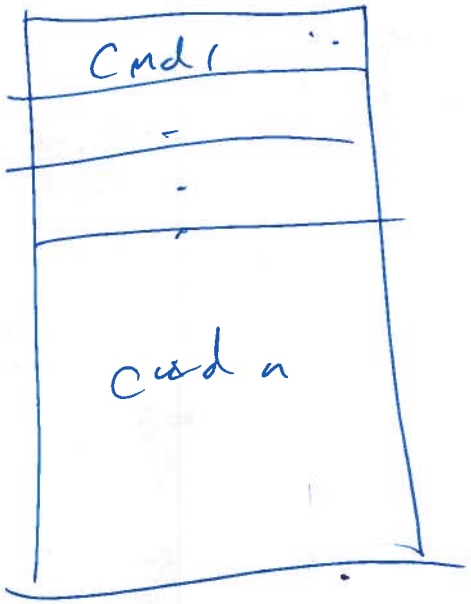
NEWWPCC

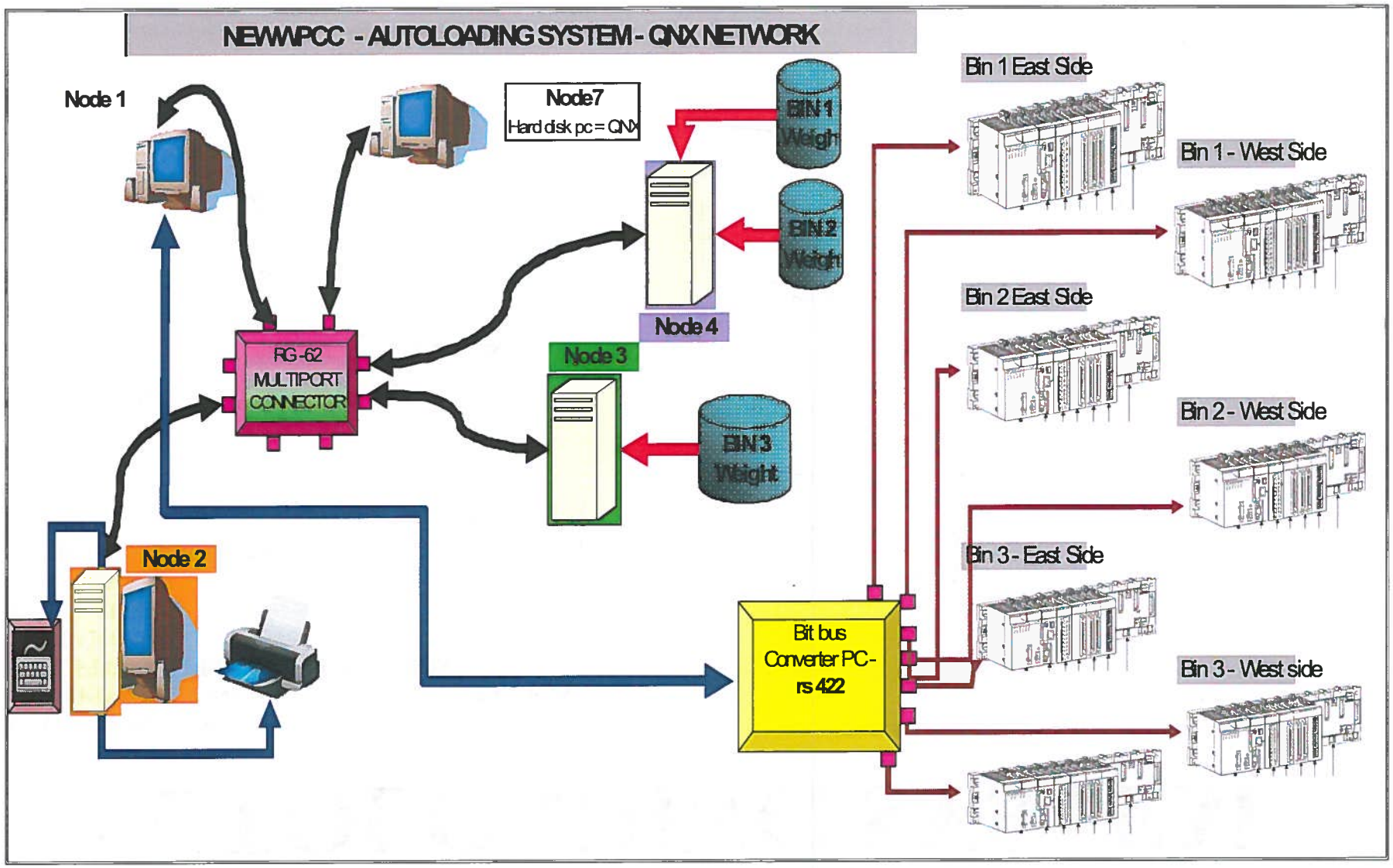
AUTOLOADING SYSTEM

1. CONFIGURATION
2. HARDWARE / INPUTS / OUTPUTS / BREAKERS
3. SOFTWARE GENERAL COMMANDS
4. START PROCESS
5. C++ CODE
6. DIAGRAMS
7. TROUBLESHOOTING

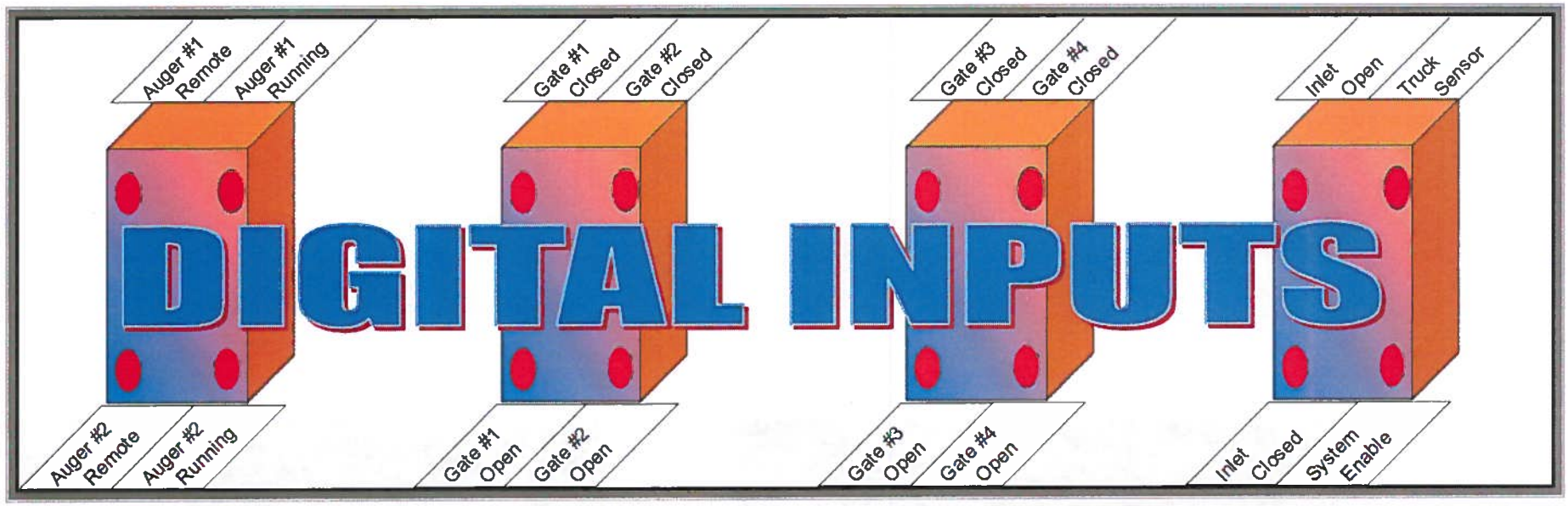


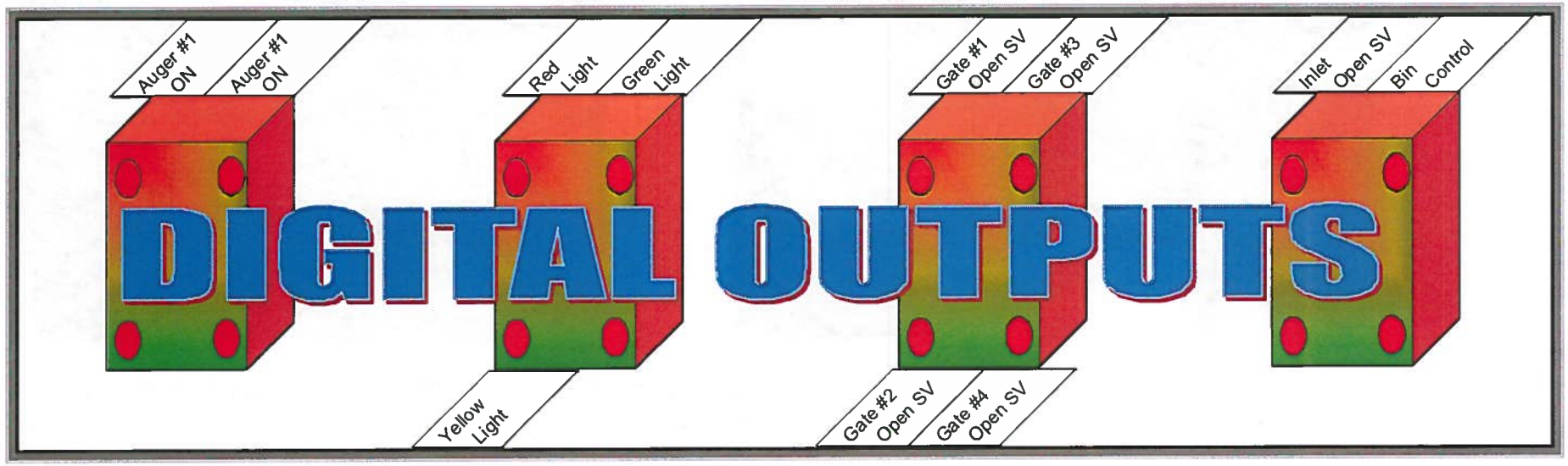


AUTOMATIC UNLOADING SYSTEM - NEWWPCC



INPUTS AND OUTPUTS ON THE BINARY CONTROLLER



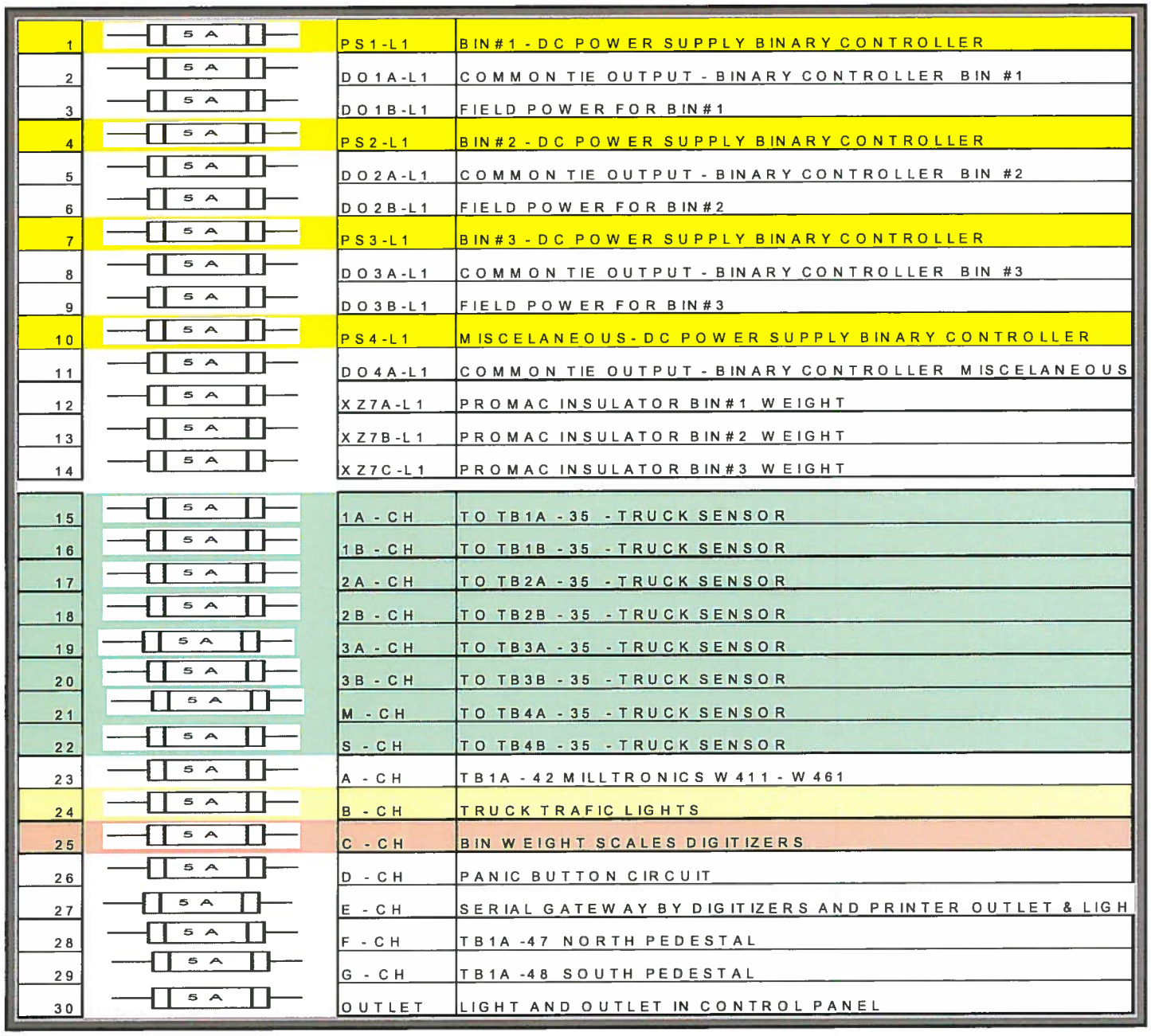


DRIVER KEY PAD AND PRINTER RECEIPT.

KEYPAD ASK TO THE OPERATOR USER NUMBER THEN ASK FOR AMOUNT TO LOAD ON THE TRUCK
PRINTER PRINTS THE FINAL AMOUNT LOADED INSIDE THE TRUCK.

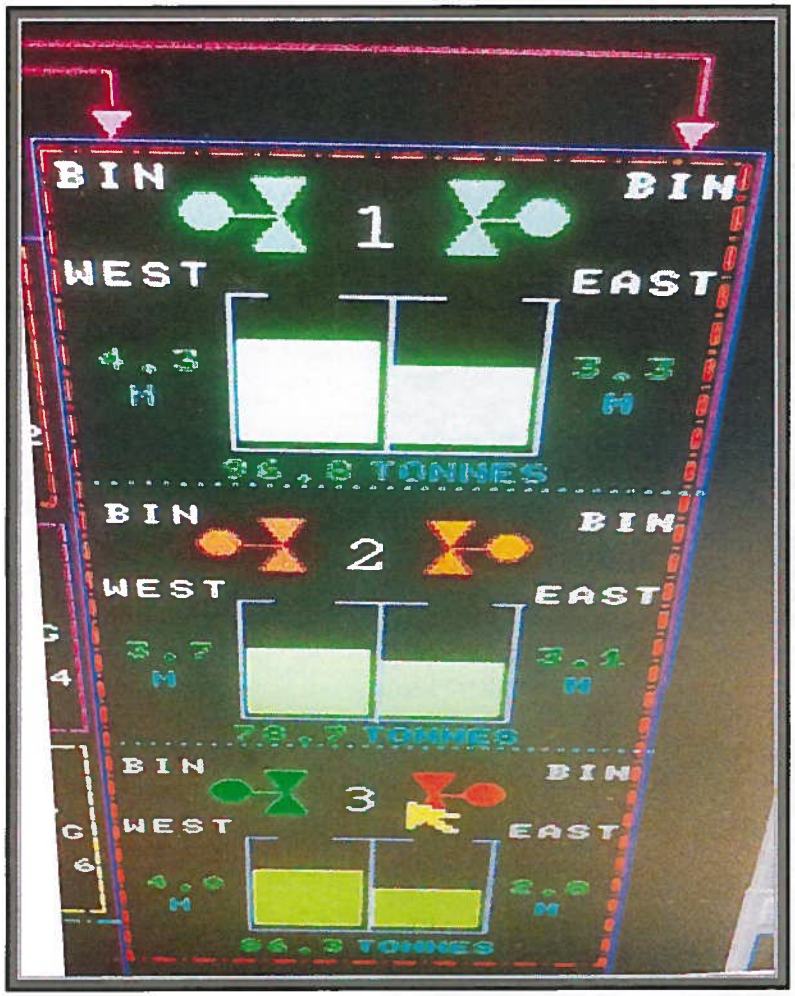
BREAKERS FOR DIGITAL BIT INTERFACE

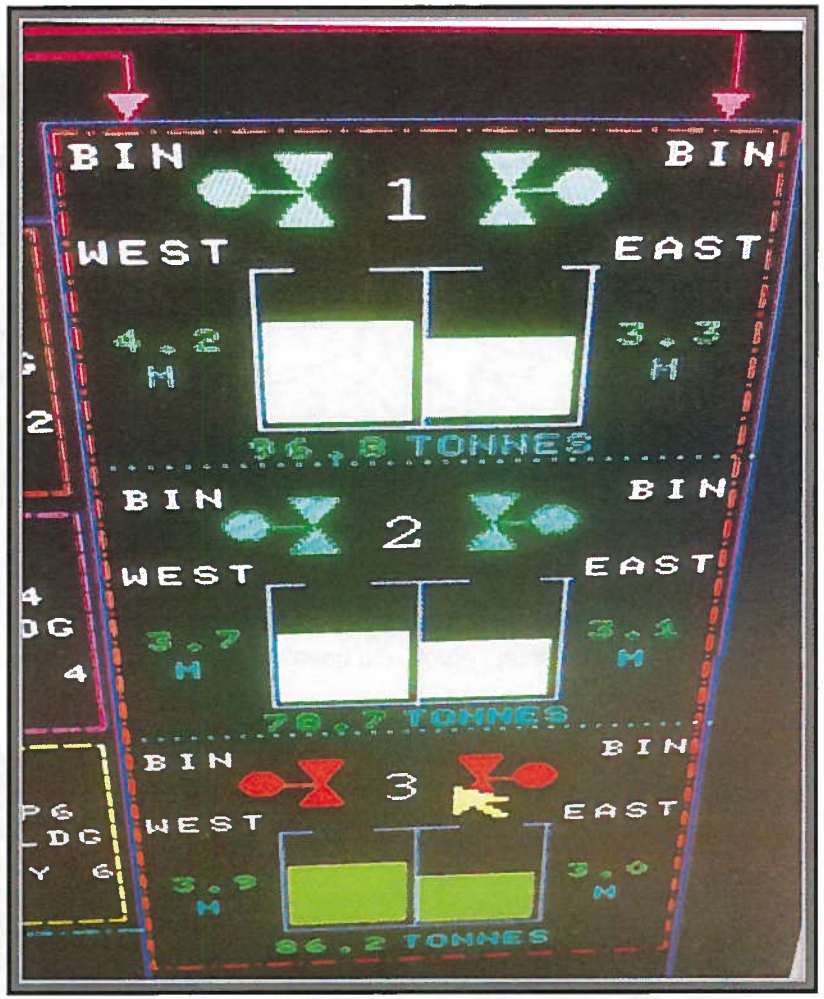
AUTOMATIC UNLOADING SYSTEM - NEWWPCC



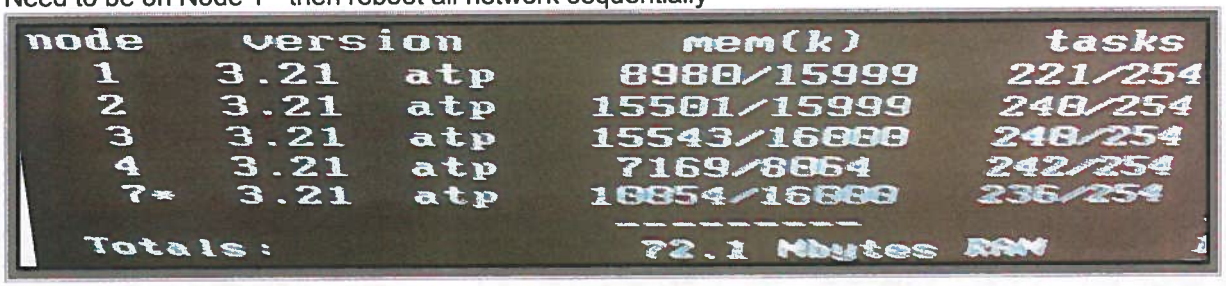
1	PS1-L1	BIN#1 - DC POWER SUPPLY BINARY CONTROLLER
2	DO1A-L1	COMMON TIE OUTPUT - BINARY CONTROLLER BIN #1
3	DO1B-L1	FIELD POWER FOR BIN#1
4	PS2-L1	BIN#2 - DC POWER SUPPLY BINARY CONTROLLER
5	DO2A-L1	COMMON TIE OUTPUT - BINARY CONTROLLER BIN #2
6	DO2B-L1	FIELD POWER FOR BIN#2
7	PS3-L1	BIN#3 - DC POWER SUPPLY BINARY CONTROLLER
8	DO3A-L1	COMMON TIE OUTPUT - BINARY CONTROLLER BIN #3
9	DO3B-L1	FIELD POWER FOR BIN#3
10	PS4-L1	MISCELANEOUS-DC POWER SUPPLY BINARY CONTROLLER
11	DO4A-L1	COMMON TIE OUTPUT - BINARY CONTROLLER MISCELANEOUS
12	XZ7A-L1	PROMAC INSULATOR BIN#1 WEIGHT
13	XZ7B-L1	PROMAC INSULATOR BIN#2 WEIGHT
14	XZ7C-L1	PROMAC INSULATOR BIN#3 WEIGHT
15	1A - CH	TO TB1A - 35 - TRUCK SENSOR
16	1B - CH	TO TB1B - 35 - TRUCK SENSOR
17	2A - CH	TO TB2A - 35 - TRUCK SENSOR
18	2B - CH	TO TB2B - 35 - TRUCK SENSOR
19	3A - CH	TO TB3A - 35 - TRUCK SENSOR
20	3B - CH	TO TB3B - 35 - TRUCK SENSOR
21	M - CH	TO TB4A - 35 - TRUCK SENSOR
22	S - CH	TO TB4B - 35 - TRUCK SENSOR
23	A - CH	TB1A - 42 MILLTRONICS W 411 - W 461
24	B - CH	TRUCK TRAFIC LIGHTS
25	C - CH	BIN WEIGHT SCALES DIGITIZERS
26	D - CH	PANIC BUTTON CIRCUIT
27	E - CH	SERIAL GATEWAY BY DIGITIZERS AND PRINTER OUTLET & LIGH
28	F - CH	TB1A -47 NORTH PEDESTAL
29	G - CH	TB1A -48 SOUTH PEDESTAL
30	OUTLET	LIGHT AND OUTLET IN CONTROL PANEL

DCS SCREEN SHOTS ABOUT LEVEL OF THE BINS AND OPERATION

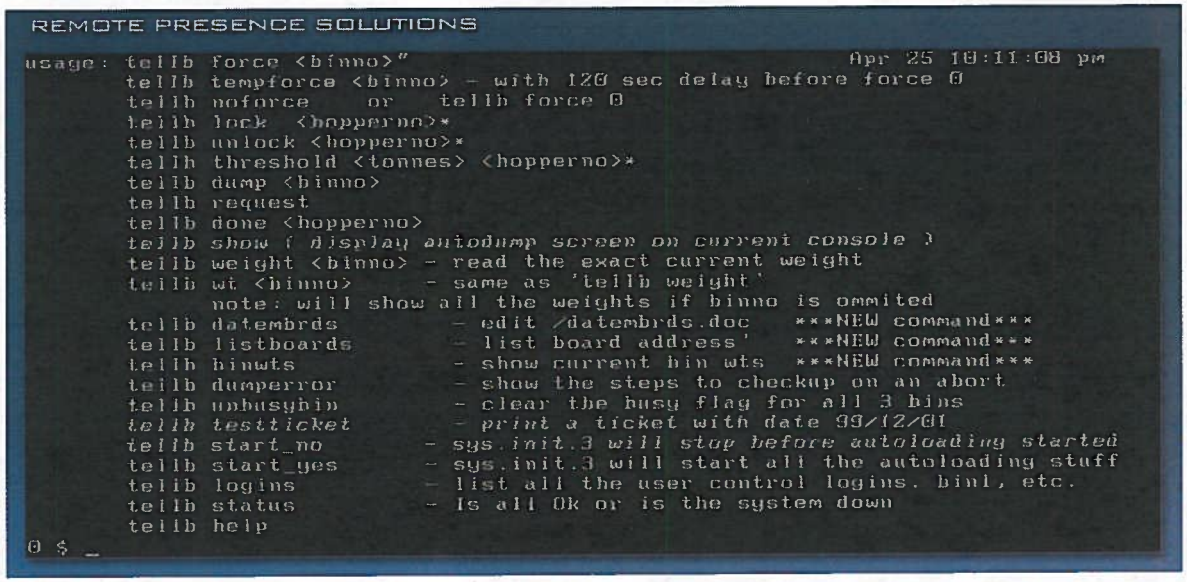




	QNX COMMAND	Description
1	Press Ctrl + Z	Access the Computer screen Prompt
2	0 $ ditto n=1 +k 0 $ ditto n=2 + k	Access main server and enable keyboard
3	reboot.486	Need to be on Node 1 - then reboot all network sequentially



4	ls/ cmds	QNX commands list
5	tellb	Operation Bin Commands such lock / unlock / display weight on each bin / force status / force outputs.



6	ls	list files on the directory
7	tellb force <bin #>	Force bin

8	tellb tempforce <bin#>	Temporary force 120 seconds then bit come back to unforce status
9	tellb noforce	No force bin
10	tellb lock 1, 2, 3, 4, 5, 6	Bin lock
11	tellb unlock 1,2,3,4,5,6,	Bin unlock
12	tellb dump <bin#>	Dump commands shows all the data status

	West Hopper	East Hopper
level	4.30	3.32
weight	54.15	41.78
threshold	16.00	16.00
available	YES	YES
inletopen	NO	NO
inletclsd	YES	YES
inletout	NO	NO
locked ?	NO	NO

13	tellb binwts	
14	tellb dumperror	
15	tellb status	
16	0 $ bye	finish session
	Login XXXX	Password XXXX -- -- Need to be required and approved by PCG WWW.

Troubleshooting Procedures:

1) Reset Binary controller.

Open electrical cabinet where the binary controller is located.
Open the fuses holder #1, # 4, #7, #10. Then close the fuse holders.

2) Bin Weight Scales

Use the command tellb binwts
Check weight bin #1 and weight bin #2 are connected to serial port computer Node 4.
Check weight bin#3 is connected to serial port computer Node 3.
If any case the weight display digitizers have different values to the show on QNX Auto loading System check cables on the Computer Node 4 or computer Node 3.
Then restart the system using command reboot.486

Short list of **Additional commands for QNX**

DOS	QNX Command	DOS	QNX Command	DOS	QNX Command
attrib	ls -l, chmod, and ls -a	print	lpr	find	grep -i
cacls	ls -l	query	tsk	findstr	grep
call *script*	ksh *script*	rem	#	format	fdformat and dinit
chdir	cd - ksh	rename	mv	help	use
cls	clear	replace	cp -x	logman	tracelogger
cmd	ksh	runas	su	lpq	lprq
command	ksh	schtasks	crontab	lpr	lpr
comp	cmp or diff	shutdown	shutdown	type	cat
copy	cp	sort	sort	ver	uname -a
date	date - rtc .	taskkill	kill or slay	xcopy	cp or pax
del	rm	tasklist	sin, pidin, and ps	md	mkdir
dir	ls	time	date and rtc	mode	stty
erase	rm	tracerpt	traceprinter	move	mv
diskpart	fdisk	tracert	traceroute	path	echo $PATH
fc	cmp or diff				