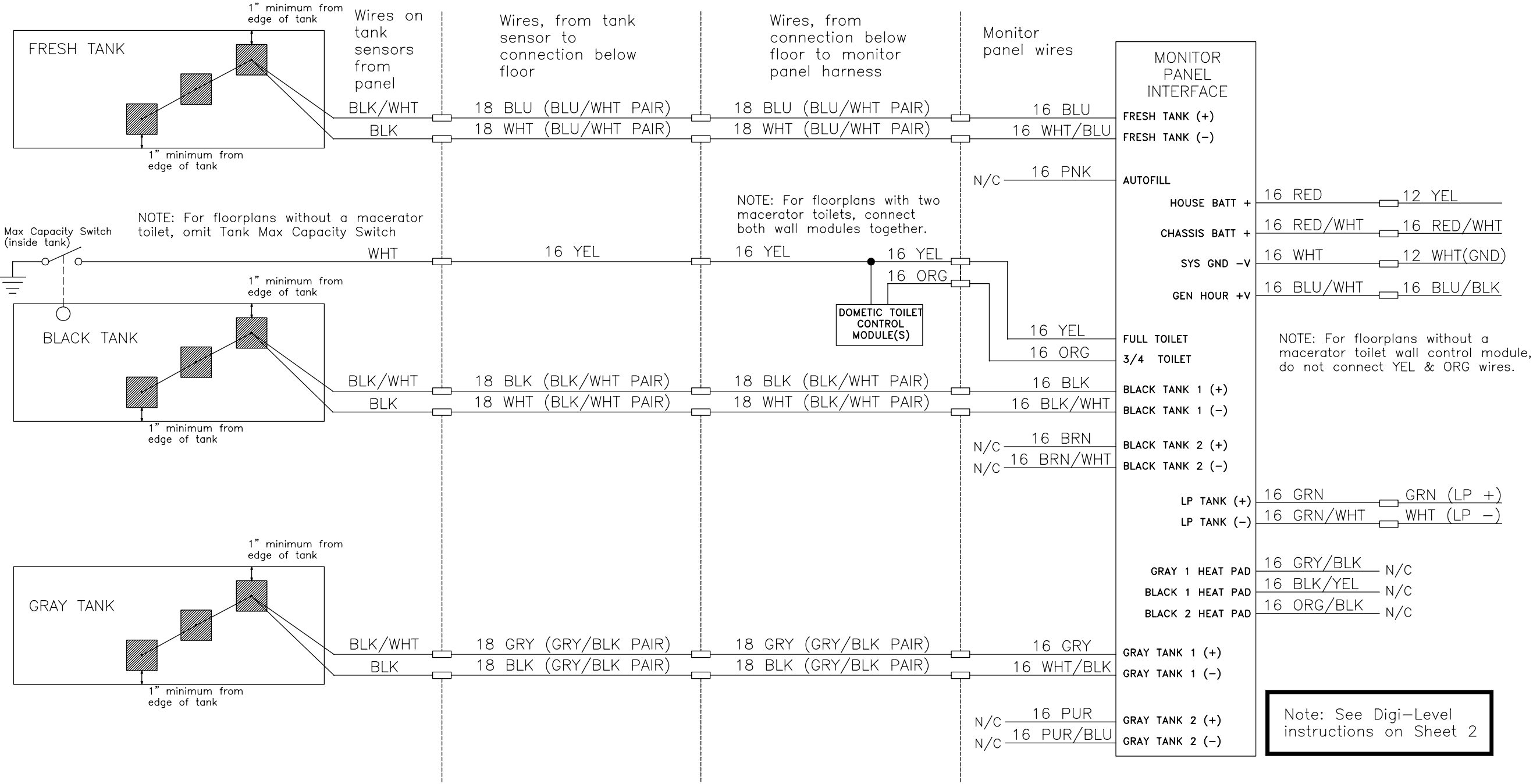


NEWMAR WIRING

MONITOR PANEL=3 TANK



<div>NEWMAR CORP</div> <div>P.O. Box 30,</div> <div>Nappanee, IN. 46550</div> <div>UNITS: INCHES</div> <div>TITLE BLOCK: 1-5TB</div>	Model:	Sheet	Drawn by:	Checked by:	Revision: Changes made for ECO 242.	By: M. W.
	(SEE INDEX)	1 OF 2	R. R.	M. W.		Date: 7/27/15
	Title:	I.D. # ELECT	Date:	Date:	Revision: WIRING PER NEW DIGI-LEVEL SYSTEM, TITLE TO MATCH SYSTEM.	By: N. G.
	DIGI-LEVEL TANK MONITOR	RICAL\MISC\TANK_MONITOR\3_TANK	1/4/12	1/21/12		Date: 3/23/12

INSTALLING AUTOFILL FEATURE

On initial power up, the Autofill function is not available. If the coach has Autofill installed, press and hold the Button when turning On the Battery Disconnect switch. Continue holding Button until "Autofill Installed" message appears. Select "Yes" or "No" and then press and hold Button until the startup screen appears.

AUTOFILL FUNCTION

On Power-Up the Autofill function is OFF  
By pressing the Button and scrolling through the different functions a new display screen will appear:  
"Fresh Water Autofill"  
"Off"  
"Press & Hold Button"  
"To Exit Function"

The second line above is the only one that will change with 4 optional function states:  
"Ready" or  
"Filling" or  
"Max Time Error" or  
"Low Coach Battery"  
While on the screen, each time User presses the Butoon, the screen toggles between "Ready" and "Off" states.  
If User presses and holds the Button, exit the screen and go to the next function.  
  
While in "Ready" state, if Fresh Water level falls below 2/3 tank sensor, the Fill Valve Relay turns on, "Filling" is displayed.  
Timeout time is 15 minutes. If tank does not reach Full in 15 minutes, then Fill Valve Relay turns off, "Max Time Error" is displayed.  
User press Button takes Autofill function back to "Ready" state.  
While "Filling", wait for Full 3/3, then continue filling for another 20 seconds. Then turn off Fill Valve Relay & reset to "Ready" state.

COACH BATTERY LEVELS

(Autofill should be performed while water hose is attached and Battery is being charged.)  
If Battery ever falls below 11.0 Volts, then turn off Fill Valve Relay (if on) and display "Low Coach Battery".  
Pressing the Button takes you to "Off".  
While in "Ready" state, if water level falls below 2/3, check that Battery is >11.5 Volts before turning on Fill Valve Relay. If not >11.5 Volts, then display "Low Coach Battery".

BLACK TANK MONITOR WITH DOMETIC MACERATOR TOILET

Black 1 Tank sensor inputs will control 3/4 tank and Full Tank outputs from Monitor Panel to the Dometic Toilet wall controller.  
Monitor Panel will automatically check Black 1 Tank level every one minute.  
If Black 1 Tank is 2/3, activate 3/4 Toilet output. This will display the 3/4 Full LED on the Dometic Toilet wall controller.  
If Black 1 Tank is 3/3, activate Full Toilet output. This will display the Full LED on the Dometic Toilet wall controller.

If Coach Battery is <10.0 Volts, then stop checking Black 1 Tank level and leave outputs at present states.  
If Coach Battery is >10.5 Volts, then OK to resume checking Black 1 Tank level.

TANK HEAT PADS

3 outputs - 1 output for each of the holding tank heat pads (Gray 1, Black 1 & Black 2) that is enabled when the respective tank's first sensor is activated.  
To ensure Coach has 120 Volts, the heat pad is enabled only when Coach Battery is at 13.0 Volts. Heat pad is disabled when Coach Battery is <12.5 Volts.  
(Note: No heat pad control for Fresh Water or Black 2 tanks.)

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	(SEE INDEX)	2 OF 2	R. R.	M. W.		Date: 7/27/15
	Title:	I.D. # ELECT	Date:	Date:	Revision: WIRING PER NEW DIGI–LEVEL SYSTEM, TITLE TO MATCH SYSTEM.	By: N. G.
	DIGI–LEVEL TANK MONITOR	RICAL\MISC\TANK_MONITOR\ 3_TANK	1/4/12	1/21/12		Date: 3/23/12