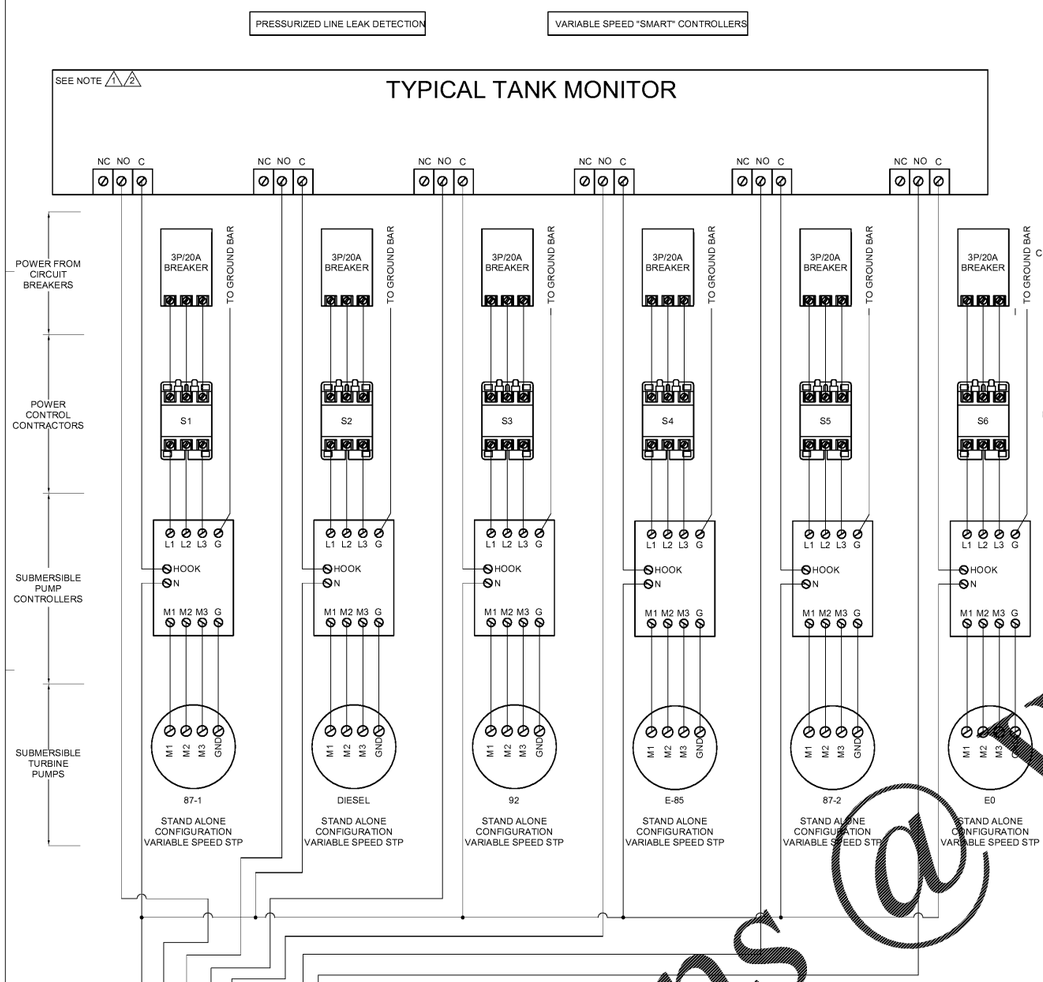
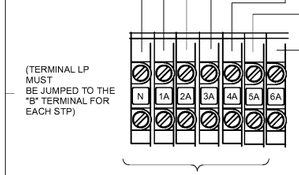




DISPENSER/PUMP CONTROLS TERMINAL STRIP CONNECTION CHART

N	NEUTRAL CONNECTION TO SUBMERSIBLE PUMP CONTROLLERS
G	GROUND CONNECTION
LP	120V LINE PRESSURE POWER (OFF DURING EMERGENCY STOP)
1A	PRODUCT #1 PUMP AUTHORIZATION FROM DISPENSER
1B	PRODUCT #1 PUMP CONTRACTOR CONTROL POWER (IN POWERBOX PDC)
2A	PRODUCT #2 PUMP AUTHORIZATION FROM DISPENSER
2B	PRODUCT #2 PUMP CONTRACTOR CONTROL POWER (IN POWERBOX PDC)
3A	PRODUCT #3 PUMP AUTHORIZATION FROM DISPENSER
3B	PRODUCT #3 PUMP CONTRACTOR CONTROL POWER (IN POWERBOX PDC)
4A	PRODUCT #4 PUMP AUTHORIZATION FROM DISPENSER
4B	PRODUCT #4 PUMP CONTRACTOR CONTROL POWER (IN POWERBOX PDC)
5A	PRODUCT #5 PUMP AUTHORIZATION FROM DISPENSER
5B	PRODUCT #5 PUMP CONTRACTOR CONTROL POWER (IN POWERBOX PDC)
6A	PRODUCT #6 PUMP AUTHORIZATION FROM DISPENSER
6B	PRODUCT #6 PUMP CONTRACTOR CONTROL POWER (IN POWERBOX PDC)

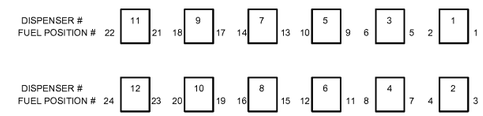
GENERAL NOTES:

1. REFER TO TANK MONITOR MANUAL FOR ALL WIRING CONNECTIONS AND OTHER SPECIFICATIONS AS REQUIRED BY MANUFACTURER.
2. THE TANK MONITOR IS TYPICALLY MOUNTED INSIDE THE IPaCS PDC ENCLOSURE ON THE SURFACE OF WALL.
3. THE TERMINAL STRIP SHOWN FOR THE STANDARD DM-EX DESIGN. THE STANDARD DM-EX DESIGN MAY BE CUSTOMIZED FOR ADDITIONAL PUMP DEVICES, THERE BY ALTERING THE STANDARD DESIGN SHOWN. PLEASE REFER TO ALL INFORMATION TO DETERMINE THE NUMBER OF DEVICES FOR EACH JOB LOCATION.

2 TANK MONITOR/LINE PRESSURE OPTION WITH VARIABLE SPEED "SMART" CONTROLLER
N.T.S.

DISPENSER NUMBERING STANDARD

STORE



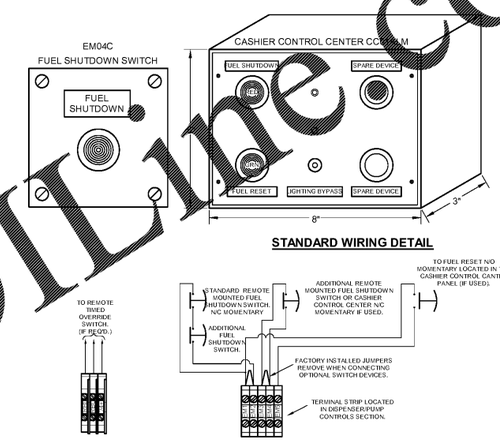
DISPENSER WIRING STANDARD TABLE

IPaCS Terminal Strip Label	Field Wire Color Code (Proposed)	Description
H	Black	Hot Wire To MPD (120 Volt)
N	White	Neutral Wire To MPD
HL	Blue	Power to LLVD
1	Yellow	Pump #1 Authorization Signal
2	Brown	Pump #2 Authorization Signal
3	Orange	Pump #3 Authorization Signal
4	Red	Pump #4 Authorization Signal
5	Gray	Pump #5 Authorization Signal
6	Purple	Pump #6 Authorization Signal
Ground Bar	Green	Ground Wire For MPD

SUBMERSIBLE PUMP NUMBERING STANDARD

Pump Number	Service
Pump #1	"Unleaded #1" Submersible Pump
Pump #2	"Diesel" Submersible Pump
Pump #3	"Premium or 92" Submersible Pump
Pump #4	"E-85" Submersible Pump
Pump #5	"Unleaded" Submersible Pump
Pump #6	"E0" Submersible Pump

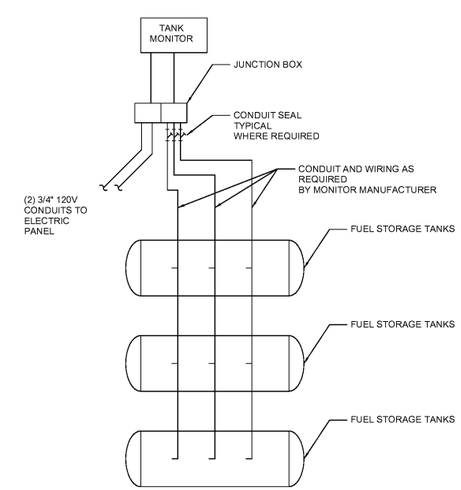
3 DISPENSER & PUMP NUMBERING & WIRING STANDARD
N.T.S.



NOTES:

1. THE FUEL SHUTDOWN FUNCTION DISCONNECTS POWER TO ALL PUMPS AND ALL DISPENSERS. (BOTH HOT AND NEUTRAL CONDUCTORS).
2. ADDITIONAL REMOTE SHUTDOWNS ARE AVAILABLE (I.E. OUTDOOR AND CASHIER LOCATIONS).
3. FUEL SHUTDOWN CONTRACTORS FURNISHED BY OWNER & INSTALLED BY E.C.
4. ALL FIELD WIRING TERMINALS MUST BE WIRED WITH A MINIMUM INSULATION RATING OF 60°C IF CIRCUIT IS RATED LESS THAN 100 AMPS OR A MINIMUM INSULATION RATING OF 75°C IC CIRCUIT IS RATED OVER 100 AMPS. FIELD WIRING INDICATED BY A DASHED LINE.
5. MAIN AND BRANCH CIRCUITS PROTECTED BY OTHERS.

4 CASHIER CONTROL CENTER WIRING
N.T.S.



1 TANK MONITORING SCHEMATIC DIAGRAM
N.T.S.

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GRIFFIN, GA 30223

RACETRAC PROJECT NUMBER
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