

**TYPICAL OF ALL DISPENSERS:**

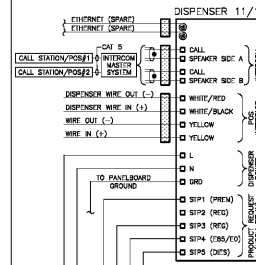
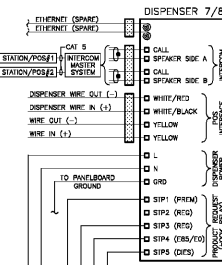
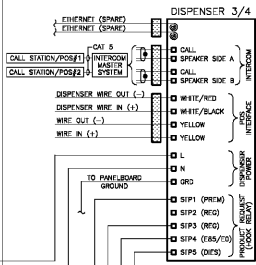
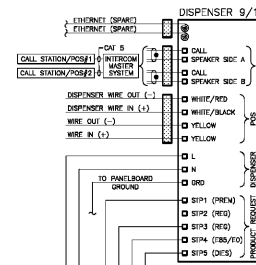
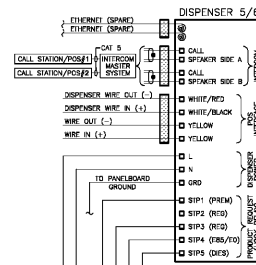
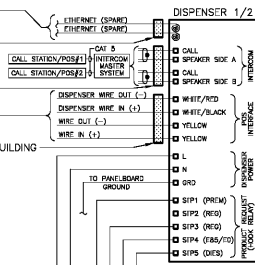
10'-0" COILED LOOP AT EACH END. HEAT SHRINK ENDS AND ZIP TIE TO INSIDE OF DISPENSER CABINET.

ETHERNET LOW VOLTAGE DISCONNECT IN BUILDING

INTERCOM LOW VOLTAGE DISCONNECT IN BUILDING

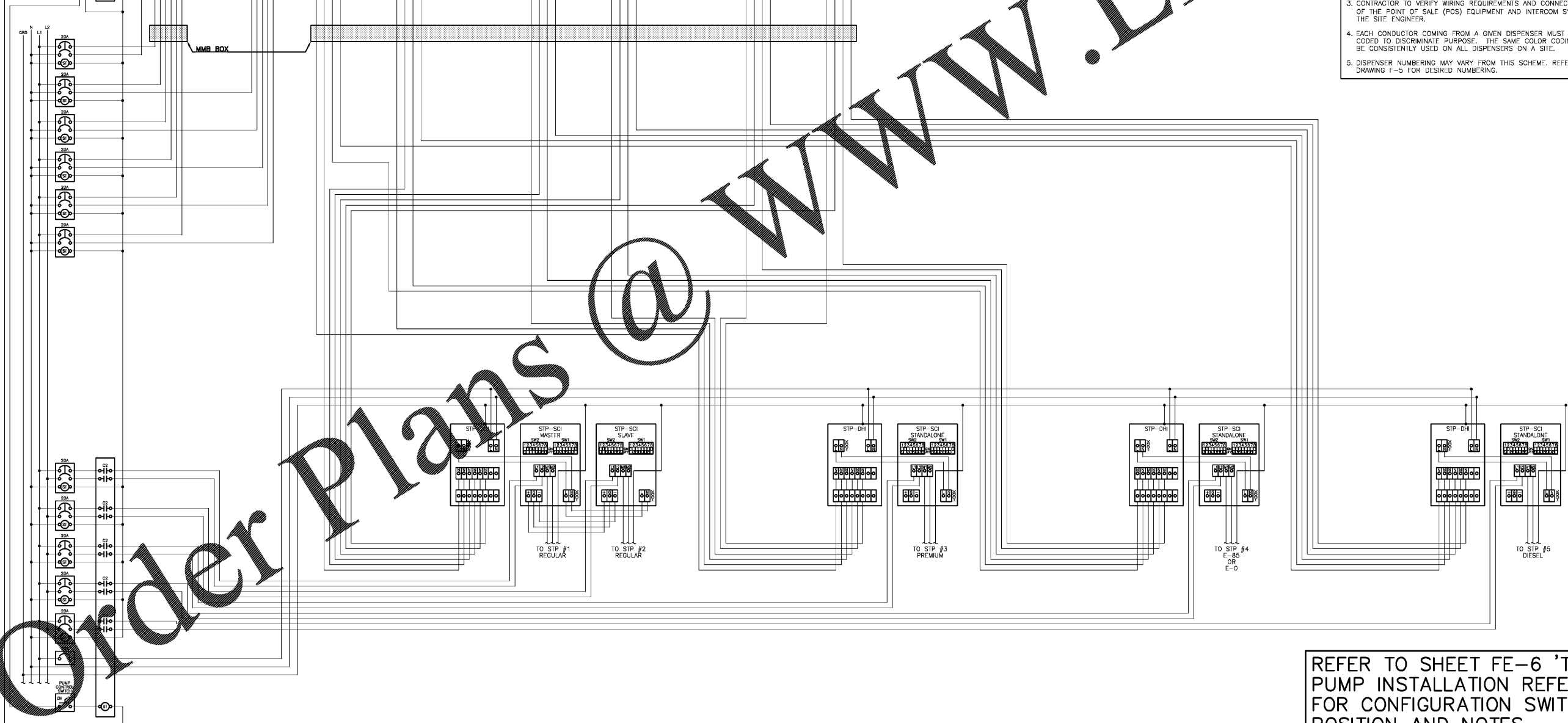
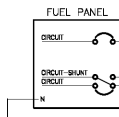
TO WAYNE FUSION CONTROLLER

DISPENSER WIRING DISCONNECT SOLUTION (POWER/COMM.) IN BUILDING



**POWER INTEGRITY**

1. THE POWER INTEGRITY CORPORATION DATA DISTRIBUTION SYSTEM (#DDS-12D14WE) WITH INTERCOM AND ETHERNET EXPANSION INCORPORATES SERVICE DISCONNECT AND EMERGENCY SHUTDOWN INTO ONE SYSTEM.
2. THE DDS SYSTEM SHALL BE INSTALLED TO COMPLY WITH NEC 514.11, NEC 514.13, NFPA 30A AND NFPA 70.
3. FOR UP TO 12 DISPENSER SITES, ONE OF EACH DDS COMPONENT SHALL BE INSTALLED FOR 13 OR MORE DISPENSER SITES, TWO OF EACH DDS COMPONENT SHALL BE INSTALLED. COMPONENTS SUPPLIED BY OWNER, INSTALLED BY CONTRACTOR.
4. DDS COMPONENTS INCLUDE: DISPENSER WIRING DISCONNECT SOLUTION (12 DISPENSERS/4 WIRES/#DDS-12D14WE), PRIMARY LOW VOLTAGE DISPENSER WIRING (INTERCOM/#DDS-16DA4CE) AND SECONDARY LOW VOLTAGE DISCONNECT (ETHERNET/12 DISPENSERS/#DDS-EWS16D).
5. DISCONNECT DEVICES SHALL BE CONNECTED WITH POWER INTEGRITY CABLES.
6. MAIN UNIT SHALL ONLY BE CONNECTED TO POWER OUTLET CONNECTED TO EMERGENCY STOP CIRCUIT.



CONDUIT	WIRE	TYPE/SIZE/QUANTITY
3/4"	ETHERNET	(2) CATEGORY 5E BELDEN#7928A GASOLINE AND OIL RESISTANT
3/4"	INTERCOM	(1) 4-WIRE 18 GAUGE SHIELDED CABLE, BELDEN#89418 OR EQUIVALENT
	POS INTERFACE	(2) 2-WIRE 18 GAUGE TWISTED PAIR, 10-12 TWISTS PER FOOT, NO SHIELD, BELDEN#88760 OR EQUIVALENT
	POWER	(3) #12 AWG
1"	PRODUCT REQUEST	TYPE/SIZE/QUANTITY DISPENSER J-BOX CONNECTION COLOR
	STP#1 (REGULAR)	(1) #12 AWG J-BOX TERMINAL #4 WHITE/BROWN
	STP#3 (PREMIUM)	(1) #12 AWG J-BOX TERMINAL #3 WHITE/BLACK
	STP#4 (E-85 OR E-0)	(1) #12 AWG J-BOX TERMINAL #6 WHITE/BLUE
	STP#5 (DIESEL)	(1) #12 AWG J-BOX TERMINAL #5 WHITE/BLACK
3/4"	VEEDED-ROOT	(1) 2-WIRE 18 GAUGE TWISTED SHIELDED CABLE, BELDEN#88760 OR CAROL#0534 OR EQUIVALENT

**SPECIAL NOTES FOR DISPENSER INSTALLATIONS**

WARRANTY / HELIX

ICR or

UD9

REFER TO DISPENSER WAYNE UD9 INSTALLATION AND ROUBLE SHOOTING GUIDE (FOR AUTO GAS INSTALLATIONS ONLY)

- NOTES:**
1. CONTRACTOR TO REFER TO MANUFACTURERS DOCUMENTATION FOR ADDITIONAL WIRING REQUIREMENTS AND TERMINAL NUMBERING OF ALL THE EQUIPMENT COMPONENTS SHOWN ON THIS DRAWING.
  2. CONTRACTOR TO REFER TO OTHER ELECTRICAL DRAWINGS FOR ADDITIONAL WIRING DIAGRAMS AND MATERIAL LIST.
  3. CONTRACTOR TO VERIFY WIRING REQUIREMENTS AND CONNECTION DETAILS OF THE POINT OF SALE (POS) EQUIPMENT AND INTERCOM SYSTEM WITH THE SITE ENGINEER.
  4. EACH CONDUCTOR COMING FROM A GIVEN DISPENSER MUST BE COLOR CODED TO DISCRIMINATE PURPOSE. THE SAME COLOR CODING IS TO BE CONSISTENTLY USED ON ALL DISPENSERS ON A SITE.
  5. DISPENSER NUMBERING MAY VARY FROM THIS SCHEME. REFER TO DRAWING F-5 FOR DESIRED NUMBERING.

REFER TO SHEET FE-6 'TURBINE PUMP INSTALLATION REFERENCE' FOR CONFIGURATION SWITCH POSITION AND NOTES.

FE-2  
6 MPD  
WAYNE  
OCTOBER 2017  
STANDARDS



**PUMP AND DISPENSER CONTROL WIRING**

SCALE: N/A

DATE: MARCH, 2018

FILE NAME: 16-Moc800616\_FE-2

REVISION

DATE

508 SC - 72

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