STORE CONTRACTOR:
INSTALL CONDUIT FROM THE ELECTRICAL ROOM GUTTERS TO 5'-0" PAST THE FRONT SIDEWALK. SEE SPECIFICATION SHEET G16.0, SECTION VII, 2.3.1 FOR CONDUIT TYPES.

FUELING CONTRACTOR:
EXTEND CONDUITS FROM 5'-0" PAST THE FRONT SIDEWALK TO FINAL TERMINATION POINT . SEE SPECIFICATION SHEET G16.0, SECTION VII, 2.3.1 FOR CONDUIT TYPES.

FOR STP POWER CONDUITS, USE ONLY ROB ROY CONDUIT TYPES "PERMA-COAT", "PLASTI-BOND" OR "KORKAP" WHERE BRAVO FITTINGS ARE USED AND NO PVC CONDUIT IS PERMITTED. ROUTE CONDUITS IN SEPERATE RACEWAY.

NOTE: PVC CONDUIT (WHERE ALLOWED BY AHJ) MAY BE USED. SEE SPECIFICATION SHEET G16.0, SECTION 2.3.1 FOR LOCATIONS WHERE PVC CONDUIT MAY BE USED.

STP POWER CONDUITS MUST BE RUN IN SEPARATE RACEWAY. ENTIRE WIRING RUN MUST BE IN RIGID PVC COATED GALVANIZED STEEL CONDUIT. USE ONLY ROB ROY CONDUIT TYPES "PERMA-COAT", "PLASTI-BOND" OR "KORKAP" ELECTRICAL CONDUITS. NO PVC OR RNC CONDUIT ALLOWED.

USE ONLY ROB ROY CONDUIT TYPES "PERMA-COAT", "PLASTI-BOND" OR "KORKAP" ELECTRICAL CONDUITS AT FIBERGLASS TANK SUMPS OR WHERE BRAVO F-17-RR OR F-10-RR ENTRY FITTINGS ARE CALLED OUT FOR FIRST 10' OF RUN. TRANSITION TO RIGID NONMETALLIC CONDUIT (RNC) WHERE ALLOWED BY JURISDICTION.

RUN PVC COATED GALVANIZED STEEL FOR WIRING RUNS EXPOSED TO THE WEATHER. FOR ENCLOSING MAIN GROUNDING CONDUCTOR. WHERE REQUIRED FOR MECHANICAL PROTECTION OR WHERE SPECIFICALLY INDICATED.

WITH THE EXCEPTION OF THE FIRST AND THE LAST 10' OF THE UNDERGROUND RUN AND ONLY WHERE AHJ ALLOWS, RIGID NONMETALLIC CONDUIT (RNC) IS ALLOWED FOR UNDERGROUND RUNS IF CONDUIT IS BURIED AT A MINIMUM OF 2'.

NOTE: ROUTE ALL CONDUITS UNDERGROUND TO C-STORE ELEC ROOM. DATA/COM CABLE EXCESS TO BE COILED IN ELEC RM FOR ROUTING ABOVE CEILING IN C-STORE TO FINAL TERMINATION POINT.

F — NEW PANELBOARD

100A MAIN LUG ONLY
1PH 3WIRE 208/120V
SERIES RATED
GROUND BAR

SERVES: TENANT SPACE
LOCATION: STOCKROOM
MOUNTING: SURFACE

CK	LOAD SERVED	WIRE	BRKR	PL	PHASE C		PHASE A		PL	BRKR	WIRE	LOAD SERVED	CK
1	DISPENSER #1	12	20	1	1.08	1.08			1	20	12	DISPENSER #2	2
3	SWITCHED NEUTRAL	---	---	---			0.00	0.00	---	---	---	SWITCHED NEUTRAL	4
5	DISPENSER #3	12	20	1	1.08	1.08			1	20	12	DISPENSER #4	6
7	SWITCHED NEUTRAL	---	---	---			0.00	0.00	---	---	---	SWITCHED NEUTRAL	8
9	DISPENSER #5	12	20	1	1.08	1.08			1	20	12	DISPENSER #6	10
11	SWITCHED NEUTRAL	---	---	---			0.00	0.00	---	---	---	SWITCHED NEUTRAL	12
13	DISPENSER #7	12	20	1	1.08	1.08			1	20	12	DISPENSER #8	14
15	SWITCHED NEUTRAL	---	---	---			0.00	0.00	---	---	---	SWITCHED NEUTRAL	16
17	DISPENSER #9	12	20	1	1.08	1.08			1	20	12	DISPENSER #10	18
19	SWITCHED NEUTRAL	---	---	---			0.00	0.00	---	---	---	SWITCHED NEUTRAL	20
21	RUL STP	12	20	2	1.21	1.21			2	20	12	PUL STP	22
23	------	---	---	---			1.21	1.21	---	---	---	------	24
25	D-BOX CONTROLLER	12	20	1	0.11	1.09			2	20	12	DSL STP	26
27	LOW VOLTAGE DISC	12	20	1			0.36	1.09	---	---	---	------	28
29	SPACE				0.00	0.00						SPACE	30
			TOTAL		14.42		3.87		KVA				
					120.17		32.25		AMPS				
			TOTAL LOAD		18.29	KVA		87.93	AMPS				
PER NEC ARTICLE 220			FEEDER LOAD		18.29	KVA		87.93	AMPS				

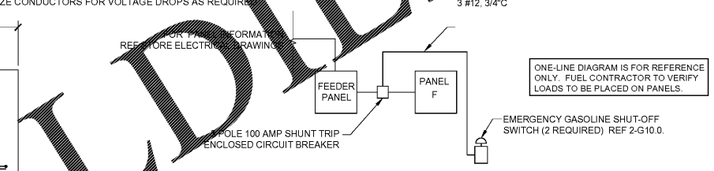
COORDINATE PANEL F AND FUELING AREA CIRCUIT LOAD INFORMATION WITH STORE MEP'S. STORE CONTRACTOR TO SUPPLY AND INSTALL NEW PANELS AND VERIFY ELECTRIC PANEL CAN MEET LOAD REQUIREMENTS.

FUEL GC TO PROVIDE SINGLE PHASE POWER TO THE MAG-VFC. THREE PHASE POWER TO RUN FROM MAG-VFC TO 2 HP VARIABLE SPEED STP'S.

CONDUIT SCHEDULE

NAME	DESCRIPTION	CONDUIT SIZE	QTY	WIRE SIZE / MFR #	WIRE QTY
101	DISPENSER POWER - NON DIESEL	3/4"	8	#12 THWN-2	1#12 HOT, 1#12 NEUT, 1#12 GR
102	DISPENSER SUMP SENSOR	3/4"	10	BELDEN #88760	1
103	DISPENSER DATA *	3/4"	10	2-WIRE TWISTED PAIR CAT6 (FOR FUTURE EMV)	2 PAIR 1
104	2HP STP POWER	3/4"	2	#12 THWN-2	3#12 HOTS, 1#12 GR
105	RUL TANK ATG/SUMP, INTERSTITIAL, FILL SENSORS	3/4"	1	BELDEN #88760	4 #88760
106	PUL/DSL TANK ATG/SUMP, INTERSTITIAL, FILL SENSORS	3/4"	1	BELDEN #88760	7 #88760
107	FILL BUCKET SENSORS	3/4"	3	BELDEN #88760	1
108	STP SUMP SENSOR/ATG PROBE	3/4"	3	BELDEN #88760	2
109	INTERCOM	1"	3	BELDEN 8762	2 PAIR PER CAT6 BOX
110	DISPENSER POWER - DIESEL	3/4"	2	#12 THWN-2	1#12 HOT, 1#12 NEUT, 1#12 GR
111	1.5HP STP POWER	3/4"	1	#12 THWN-2	2#12 HOTS, 1#12 GR
112	AIR VAC MACHINE	3/4"	1	#12 THWN-2	1#12 HOT, 1#12 NEUT, 1#12 GR
113	CANOPY LIGHTING POWER	3/4"	2	SEE BLDG ELECTRICAL	SEE BLDG ELECTRICAL
114	CANOPY SIGN POWER	3/4"	1	SEE BLDG ELECTRICAL	SEE BLDG ELECTRICAL
115	E-STOP	3/4"	1	#12 THWN-2	1#12 HOT, 1#12 NEUT, 1#12 GR

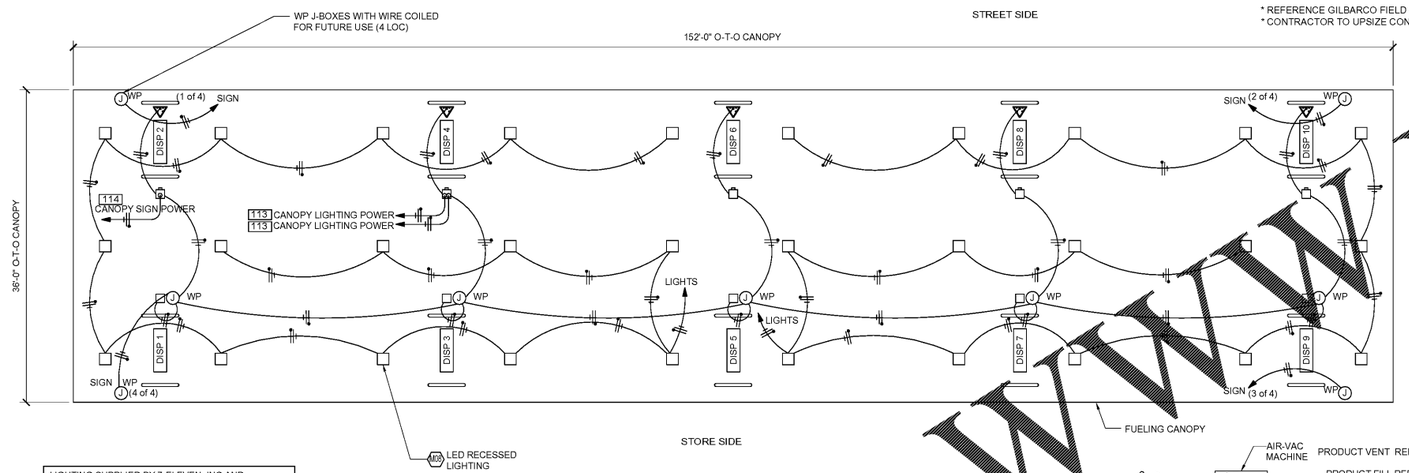
* REFERENCE GILBARCO FIELD WIRING DIAGRAM FE-363R FOR COMPLETE SPECIFICATION
* CONTRACTOR TO UPSIZE CONDUCTORS FOR VOLTAGE DROPS AS REQUIRED



ONE-LINE DIAGRAM IS FOR REFERENCE ONLY. FUEL CONTRACTOR TO VERIFY LOADS TO BE PLACED ON PANELS.

NOTE:
(1) GENERAL CONTRACTOR TO INSTALL PANELS CIRCUIT BREAKERS AND CONDUIT.
(2) FUEL CONTRACTOR SHALL INSTALL WIRING (FROM CIRCUIT BREAKERS TO EQUIPMENT), RELAYS, ETC. MAKE ALL CONNECTIONS AND COMPLETE SEAL OFF.

3 PARTIAL ELECTRICAL ONE-LINE DIAGRAM
1/8"=1'-0"



N

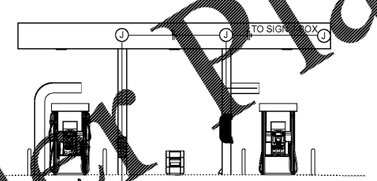
2 CANOPY CONDUIT SCHEMATIC
1/8"=1'-0"

LIGHTING SUPPLIED BY 7-ELEVEN, INC AND INSTALLED BY FUEL CONTRACTOR.

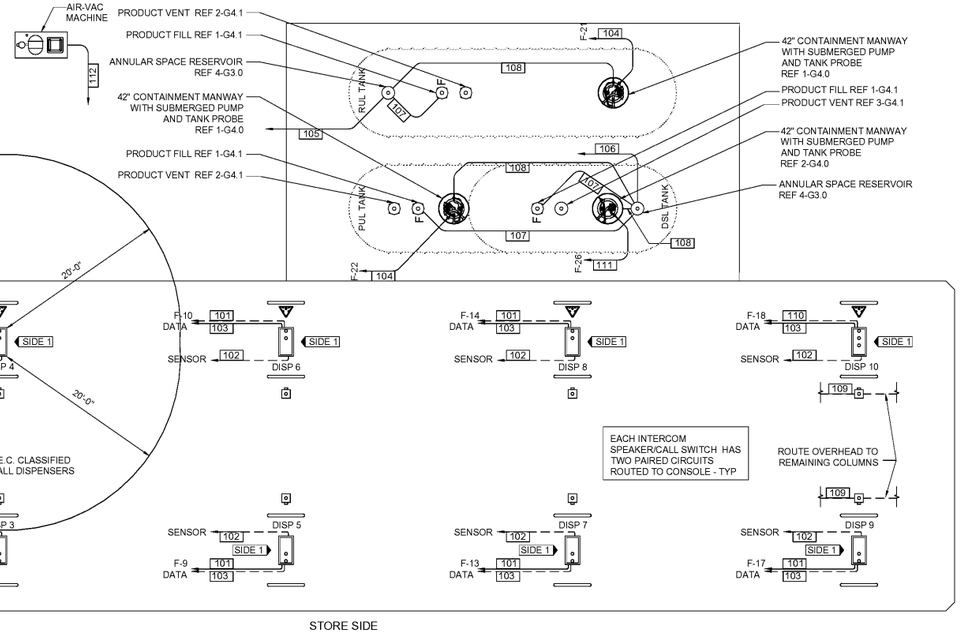
CIRCUITS REQUIRED FOR THE FUELING AREA / CANOPY LIGHTING AND MISCELLANEOUS EQUIPMENT ARE:

CANOPY LIGHTS	960 VA	20 A BREAKER
CANOPY LIGHTS	960 VA	20 A BREAKER
CANOPY SIGNS	300 VA	20 A BREAKER
AIR-VAC MACHINE	1560 VA	20 A BREAKER
CONT/EMERG SHUTOFF	40 VA	20 A BREAKER

REF STORE MEP PANEL SCHEDULES FOR LOCATION



4 CANOPY CONDUIT SCHEMATIC
1/8"=1'-0"



N

1 UNDERGROUND CONDUIT SCHEMATIC
1/8"=1'-0"

Order Plans @ WWW.LDLine.com

Rev. #	Date	Description

Proto 08-21-17

7-ELEVEN, INC.
3200 HACKBERRY ROAD, IRVING TEXAS 75063

7-ELEVEN #38227
SWC W CARROLL ST & DYER BLVD
KISSIMMEE, FL 34741

UST ELECTRICAL PLAN, ONE-LINE DIAGRAM AND PANEL SCHEDULE

CORE STATES GROUP
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Fort Myers, FL 33912
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Job#: SEI-20880.521
Scale: AS NOTED
Date: 12/19/17
Drawn By: JMR
Checked By: KMS

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