

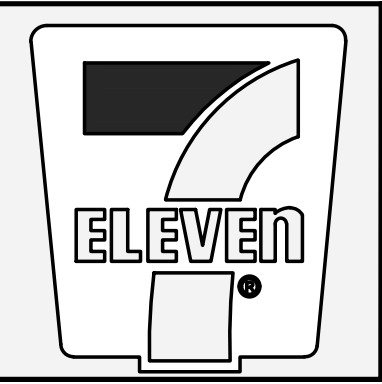


7-ELEVEN

NEW STORE W/ FUELING
SHOPS AT INDIAN TRAILS
A.K.A. COCONUT CROSSING
SWC Northlake Blvd. & Coconut Blvd.
Palm Beach Gardens, Florida

SHEET INDEX

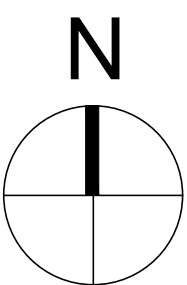
FUELING CANOPY AND UNDERGROUND STORAGE TANKS		
G0	FUELING CANOPY COVER SHEET AND INDEX	
G0.1	FUELING ARCHITECTURAL SITE PLAN	
G0.2	FUELING TRUCK ROUTE	
G1	FUELING PIPING AND TANK PLAN	
G2	NOT USED	
G3	TANK SECTIONS	
G4	TANK SUMP DETAILS	
G4.1	TANK SUMP DETAILS	
G5	DISPENSER AND SUMP DETAILS	
G6	REMOTE VENT AND DETAILS	
G6.1	FUELING DIMENSIONAL PLAN	
G7	EQUIPMENT SCHEDULES	
G8	FUELING CANOPY LAYOUT 4-IN-LINE	
G9	UST ELECTRICAL PLAN, ONE-LINE DIAGRAM AND PANEL SCHEDULE	
G10	MISCELLANEOUS ELECTRICAL DETAILS	
G11	ISOLATION RELAY BOX DETAIL	
G12	SITE MONITORING EQUIPMENT DIAGRAM	
G13	FUELING SPECIFICATIONS	
G14	FUELING SPECIFICATIONS	
G15	FUELING SPECIFICATIONS	
G16	FUELING SPECIFICATIONS	
G17	FUELING SPECIFICATIONS	



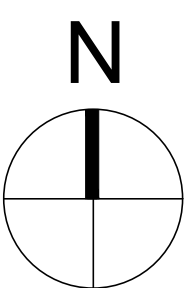
FUELING CANOPY COVER SHEET AND INDEX

THE OSCAR W LARSON COMPANY
SHOPS AT INDIAN TRAILS A.K.A. COCONUT CROSSING
SWC NORTHLAKE BLVD & COCONUT BLVD.
PALM BEACH GARDENS, FLORIDA 33412

VICINITY MAP



SITE LOCATION MAP



PROJECT DATA

BUILDING CODE: FLORIDA BUILDING CODE 2023, 8TH EDITION
MECHANICAL CODE: FLORIDA MECHANICAL CODE 2023, 8TH EDITION
PLUMBING CODE: FLORIDA PLUMBING CODE 2023, 8TH EDITION
ELECTRICAL CODE: FLORIDA ELECTRICAL CODE 2023, 8TH EDITION
FIRE CODE: FLORIDA FIRE CODE 2023, 8TH EDITION

SUMMARY OF WORK

- GRADING AND SITEWORK
- ASSOCIATED UNDERGROUND TANKS AND PIPING
- FUELING STATION DESCRIPTION:
 - (5) NEW GILBARCO 3+0 DISPENSERS
 - (2) NEW GILBARCO 3+1 DISPENSERS FOR DIESEL
 - (1) ZCL 75,000 LITER (20K GAL) DW FIBERGLASS 3073mm (10 ft) UST - #1 FOR REGULAR UNLEADED FUEL
 - (1) ZCL SPLIT 75,000 LITRE (20K) DW FIBERGLASS 3073mm (10 ft) UST - #2 FOR 30,000 LITRE (8K GAL) PREMIUM UNLEADED FUEL / #3 FOR 45,000 LITRE (12K GAL) DIESEL FUEL
 - (2) 2.0 hp VARIABLE SPEED STP FOR RUL AND PUL
 - (1) 1.5 hp FIXED SPEED STP FOR DIESEL
 - (3) ATG's (1 PER STP SUMP)
 - (3) PRODUCT FILL SUMPS (1 EACH UST)
 - (4) OPW EDGE DW SPILL CONTAINERS FOR PRODUCT FILL
 - (1) DSL1 PUL 2 RUL UST)
 - (2) OPW EDGE DW SPILL CONTAINERS FOR VAPOR RECOVERY (RUL/PUL)
 - (1) CAPPED DIESEL VENT RISER / MANHOLE (DSL)
 - DW FLEX PRODUCT PIPING FOR RUL, PUL AND DIESEL FUELS
 - (1) NEW BRAVO VENT BOX FOR RUL, PUL AND DIESEL
 - (1) NEW 177"Ø" X 24'-0" FUELING CANOPY FOR FOUR (7) DISPENSERS
 - REMOTE VENT STACK, BOLLARDS AND SUPPORTS

PROJECT DIRECTORY

OWNER: DKC COCONUT CROSSING, LLC.
431 FAIRWAY DR., SUITE 201
DEERFIELD BEACH, FLA 33441

FUEL ENGINEER: DAIMIAN D. LESLIE, P.E.
2151 W HILLSBORO BLVD., SUITE 401
DEERFIELD BEACH, FLA 33442
954-427-3076, EXT. 312
DAIMIAN.LESLIE@MDMSERVICES.COM

OWL PROJECT MANAGER: SHEA NALE
1420 23RD AVE NW
FT LAUDERDALE, FLA 33311
954-792-1334
SHEA.NALE@OWLSERVICES.COM

REFERENCE SYMBOLS

- NORTH ARROW
- HEIGHT ELEVATION INDICATOR
- DOOR TAG
- ENLARGED DETAIL INDICATOR
- GRID LINE INDICATOR
- WINDOW TAG
- WALL TAG
- ROOM TAG
- REVISION DELTA
- SPOT ELEVATION INDICATOR
- EQUIPMENT TAG
- KEY NOTE INDICATOR
- FINISH INDICATOR
- SECTION CUT INDICATOR
- ELEVATION INDICATOR

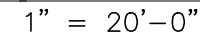


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FL REG # 73113

JOB # 25338

DWG # G-0.0

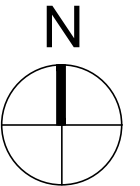
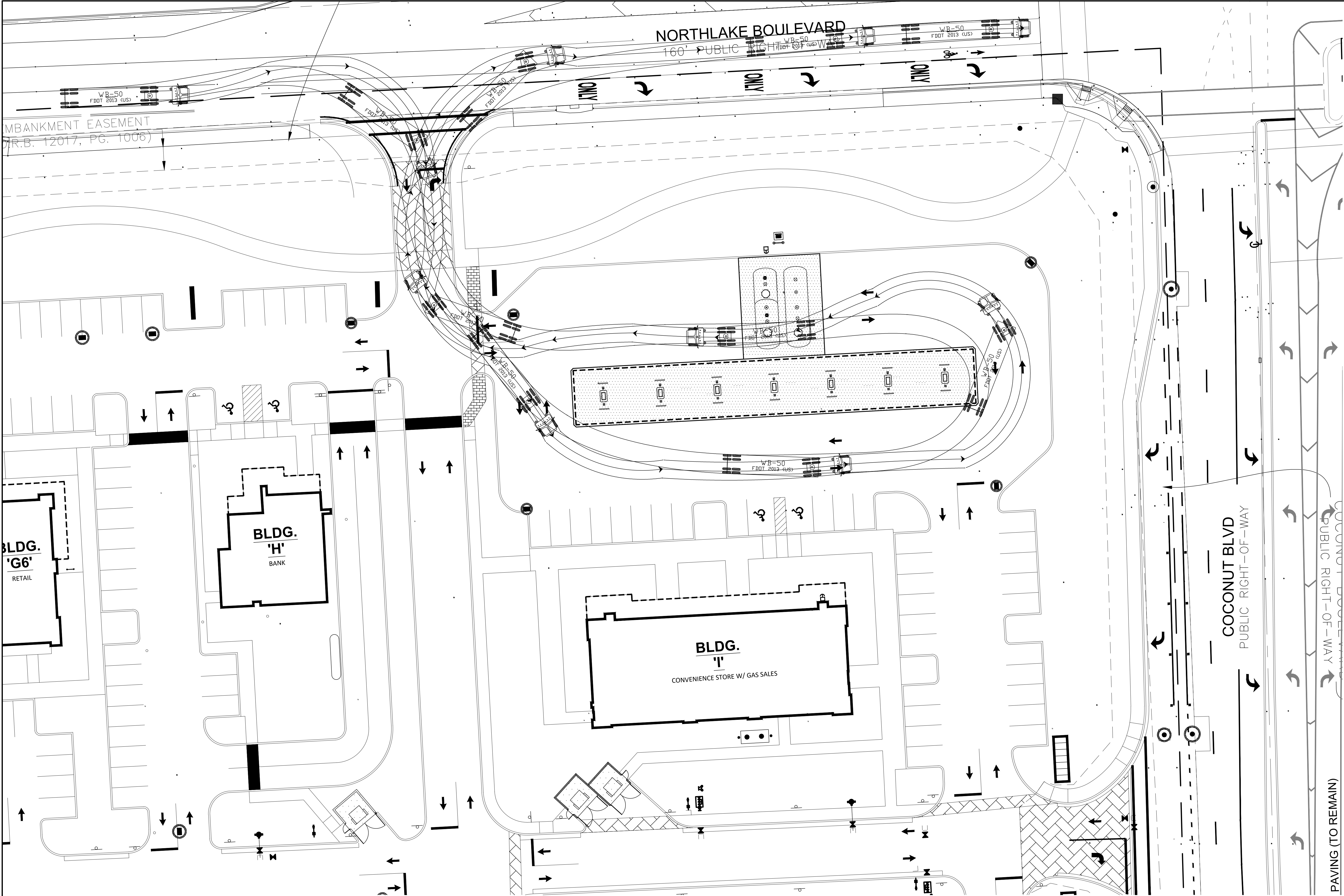


LOCATION	DESCRIPTION
TANKS	XERXES - DOUBLE WALL FIBERGLASS
PIPING (PRODUCT)	OPW - 1.5" DW FLEX PIPE
PIPING (VENT)	SMITH FIBERCAST - FIBERGLASS PIPING REDTHREAD II
LEAK DETECTION	VEEDER ROOT - TLS350
LEAK DETECTION	VEEDER ROOT - LIQUID AND INTERSTITIAL SENSORS
LEAK DETECTION	VAPORLESS - LINE LEAK DETECTION
SPILL CONTAINMENT	OPW - SPILL MANHOLE FOR TANK FIL
OVERFILL PREVENTION	OPW - 7150 OVERFILL PROTECTION
DISPENSER LINER	OPW - DISPENSER SUMP LOOP SYSTEM
SUMP LINERS	SUMP LINERS
SUMP LINERS	SUMP LINERS

TANK DEPTH IS GOVERNED BY 7-ELEVEN MINIMUM BURIAL DEPTH OF 1.271m (50').
THE TOP OF THE TANKS SHALL BE AT - ??'

DWG # **G0.1**

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1 FUELING TRUCK ROUTE
1" = 20'-0"



FUELING TRUCK ROUTE

THE OSCAR W LARSON COMPANY
SHOPS AT INDIAN TRAILS A.K.A. COCONUT CROSSING
SWC NORTHLAKE BLVD & COCONUT BLVD.
PALM BEACH GARDENS, FLORIDA 33412

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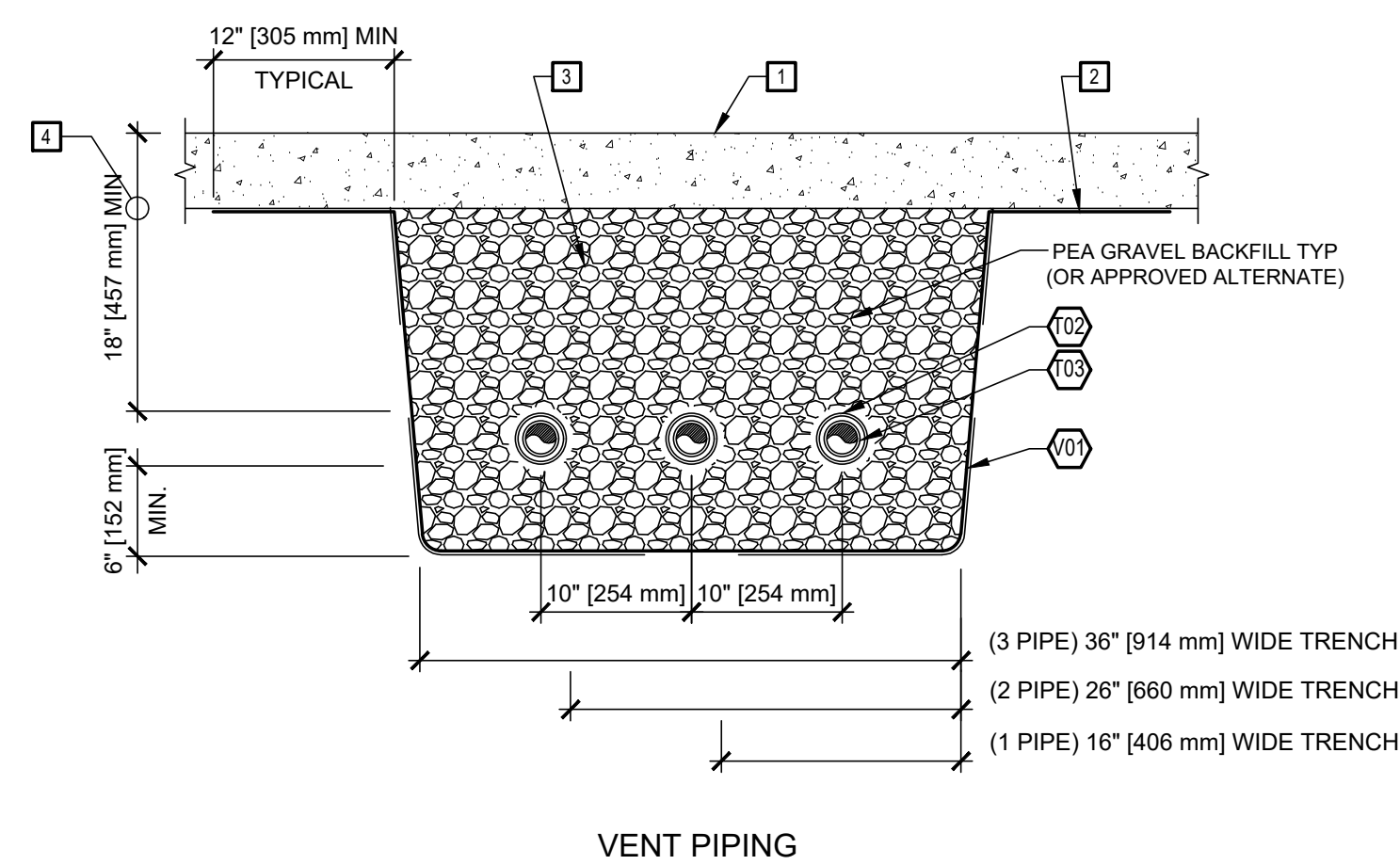
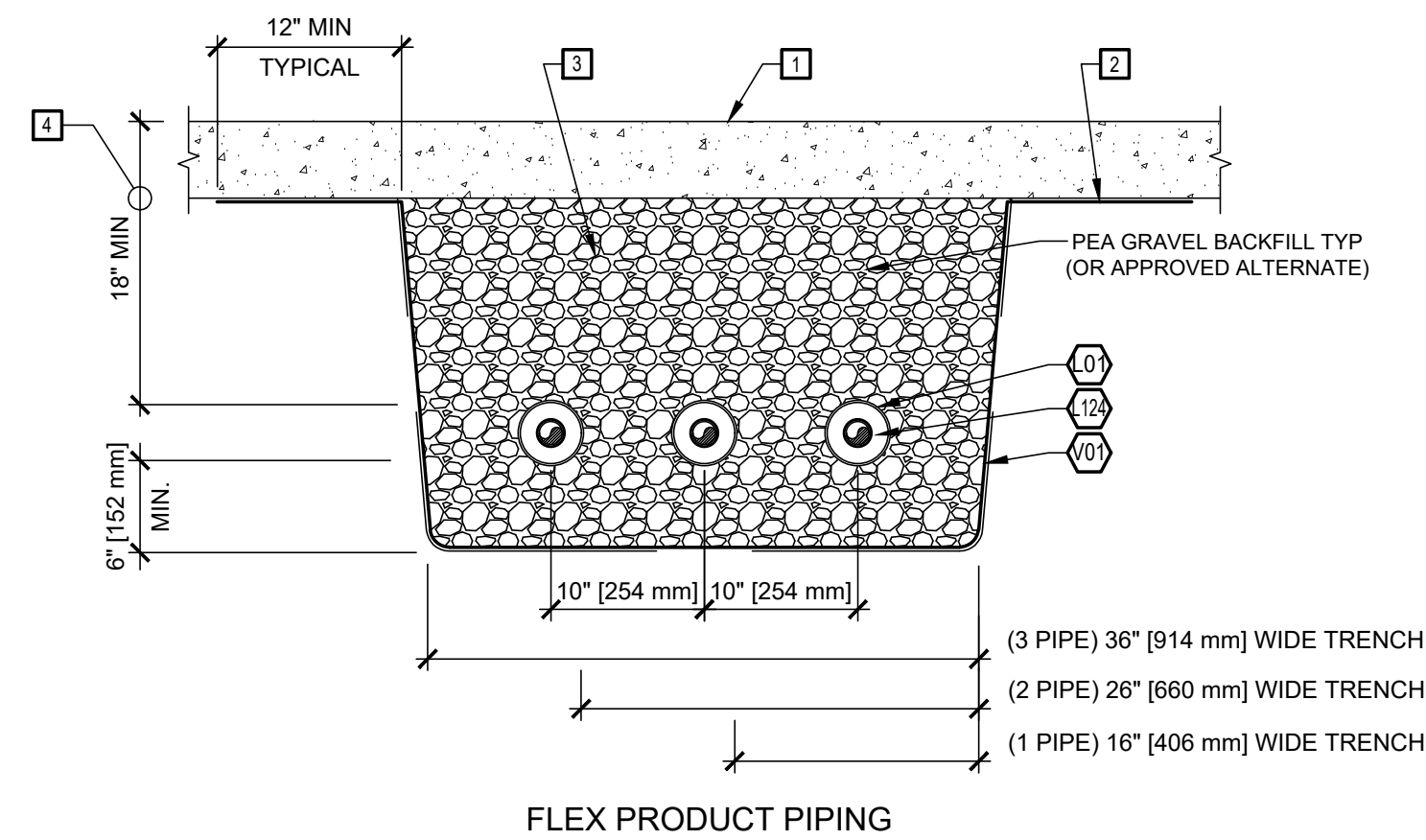
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engineering • environmental • construction
2715 W HILLSBORO AVE., SUITE 400
PALM BEACH, FL 33412
(561) 427-2078

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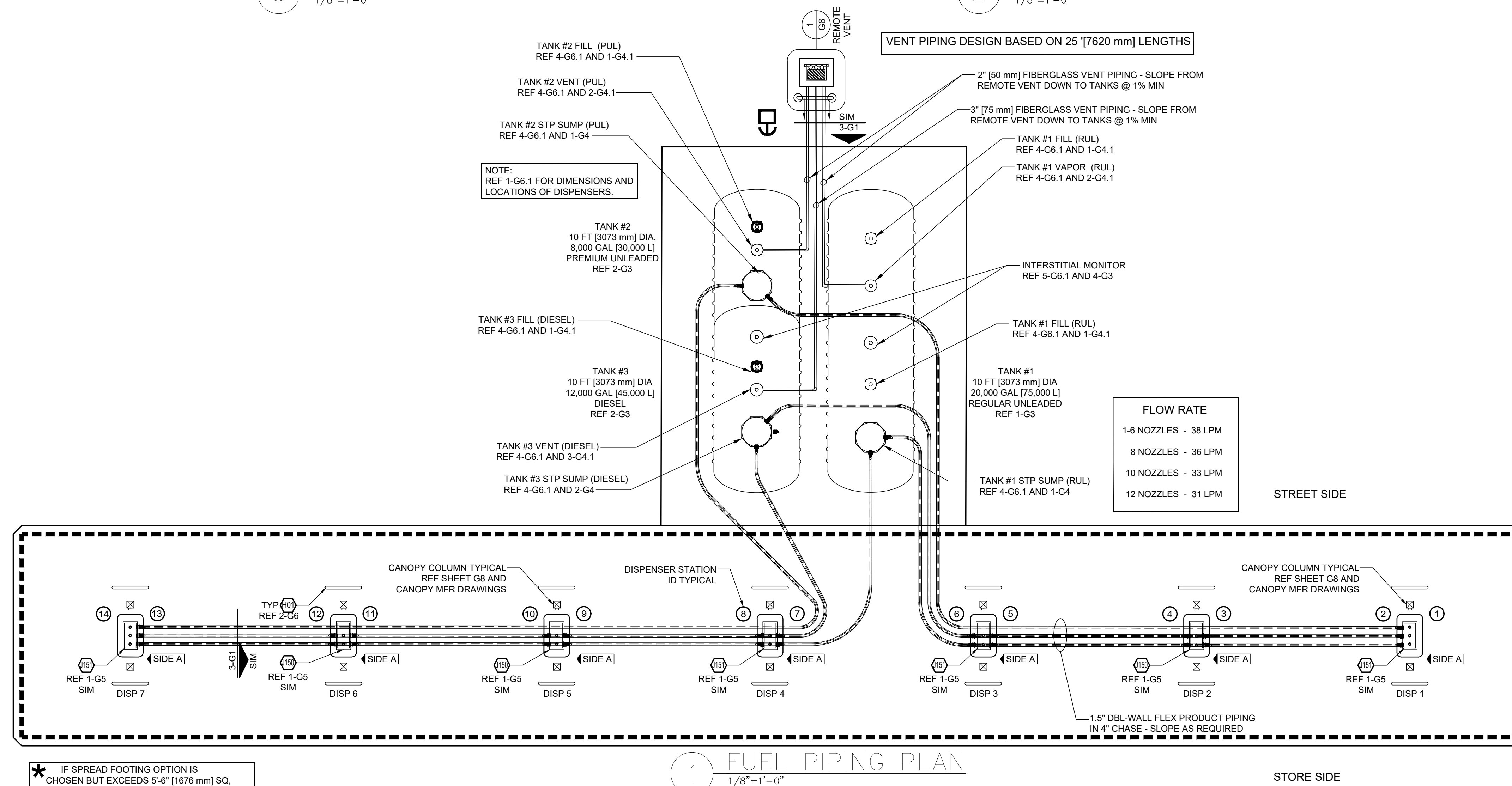
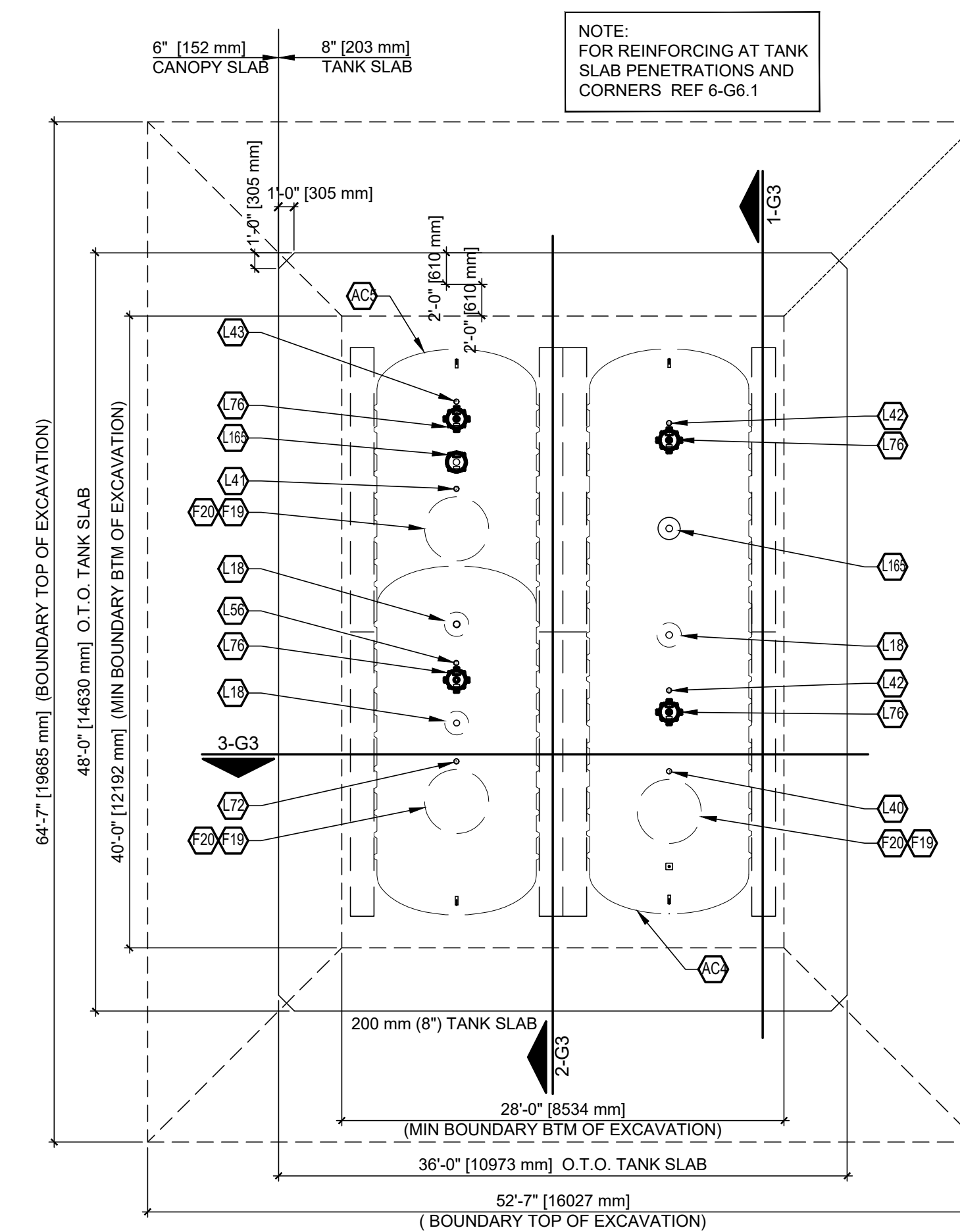
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FL REG # 73113

JOB # 25338

DWG # G0.1



3 PIPING TRENCH SECTION
1/8"=1'-0"



GENERAL NOTES

- 1 ALL CONSTRUCTION SHALL MEET PROVINCIAL AND LOCAL REGULATIONS. CONTRACTOR TO SECURE ENTIRE CONSTRUCTION AREA WITH CHAIN LINK FENCING DURING CONSTRUCTION PERIOD.
- 2 THE CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY DIFFERENCES BETWEEN THE ACTUAL FIELD CONDITIONS AND THE PLANS BEFORE PROCEEDING WITH CONSTRUCTION.
- 3 FUEL CONTRACTOR SHALL BE RESPONSIBLE FOR THE INTEGRITY OF THE PIPING SYSTEM DURING CANOPY ERECTION AND CONCRETE FLATWORK INSTALLATION.
- 4 AFTER COMPLETING INSTALLATION OF DISPENSERS, THE FUEL CONTRACTOR IS TO INSTALL BRIGHT ORANGE CONSTRUCTION FENCE AROUND ENTIRE DISPENSER.
- 5 FUEL CONTRACTOR IS TO BE AWARE THAT ON THE DAY THE GAS LINE SYSTEM IS PUT INTO SERVICE, THE FUEL CONTRACTOR AND A GILBARCO AUTHORIZED SERVICE CONTRACTOR MUST BE ON SITE ONE (1) HOUR PRIOR TO STARTUP AND MUST REMAIN ON SITE THREE (3) ADDITIONAL HOURS FOR A TOTAL OF FOUR (4) HOURS. ANY COSTS INCURRED OVER FOUR (4) HOURS DUE TO FUELING SYSTEM ISSUES, SHOULD BE BILLED AS A CHANGE ORDER.
- 6 FUEL CONTRACTOR IS TO PROVIDE HEAT BLANKETS DURING FUEL PIPING INSTALLATION. SEE MANUFACTURER INSTRUCTIONS FOR RECOMMENDED USE.

KEY NOTES

- 1 6" [152 mm] CONCRETE SLAB AT FUELING CANOPY. REF I-G-6.1 AND CIVIL DRAWINGS FOR TOS ELEVATIONS.
- 2 GEOTECH FABRIC MATERIAL TO EXTEND 12" [152 mm] PAST EACH SIDE OF PIPING TRENCH AND TANK EXCAVATION.
- 3 PIPING TRENCHES SHALL BE DUG IN SUCH A MANNER THAT THE TRENCH WIDTH IS EQUAL TO AT LEAST TWICE WIDTH OF ALL PIPING CONTAINED WITHIN. MAINTAIN A MINIMUM OF 4" [102 mm] CLEAR DISTANCE BETWEEN PIPING POSITIONED IN THE TRENCH AND 6" [152 mm] WHERE PIPING CROSSES OVER EACH OTHER. THE BOTTOM OF THE TRENCH SHALL BE AS UNIFORM AS POSSIBLE TO ELIMINATE HIGH SPOTS AND ENSURING AN EVEN LAYER OF BEDDING MATERIAL UNDER THE PIPE. REMOVE ALL SHARP ROCKS AND DEBRIS FROM THE TRENCH BOTTOM BEFORE FILLING FABRIC AND BEDDING MATERIAL IS INSTALLED.
- 4 SITE CONDITIONS MAY CAUSE VARIATIONS WHICH MUST BE APPROVED BY 7-ELEVEN AND MANUFACTURER. PIPING BURIAL DEPTHS LESS THAN 18" [457 mm] REQUIRES 7-ELEVEN APPROVAL.



FUELING PIPING AND TANK PLAN

THE OSCAR W LARSON COMPANY
SHOPS AT INDIAN TRAILS A.K.A. COCONUT CROSSING
SWC NORTHLAKE BLVD & COCONUT BLVD.
PALM BEACH GARDENS, FLORIDA 33412

[illegible]

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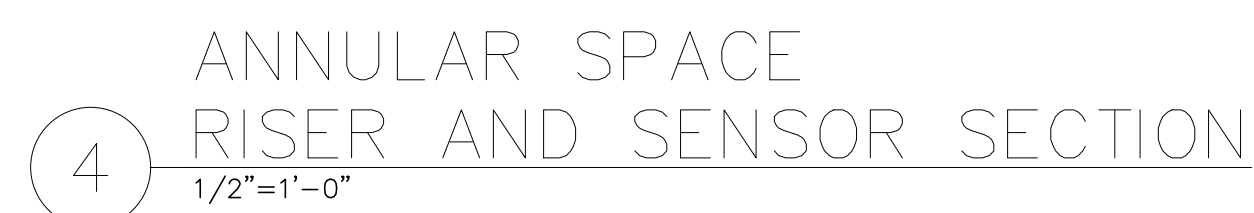
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12151 W HILLSBORO BLVD, STE 401, DEERFIELD BEACH, FL 33442
(954) 427-3076
CA #004857

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DAIMIAN D. LESLIE, P.E.
FL REG # 73113

JOB # 25338

DWG # **G1**



- ## TANK SECTIONS

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SHOPS AT INDIAN TRAILS A.K.A. COCONUT CROSSING
SVC NORTHLAKE BLVD & COCONUT BLVD.
PALM BEACH GARDENS, FLORIDA 33412

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DWG # G3

TANK SUMP DETAILS

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SWC NORTHLAKE BLVD & COCONUT BLVD.
PALM BEACH GARDENS, FLORIDA 33412

TANK SUMP DETAILS

- [illegible]

PLANS PREPARED BY:

MDM

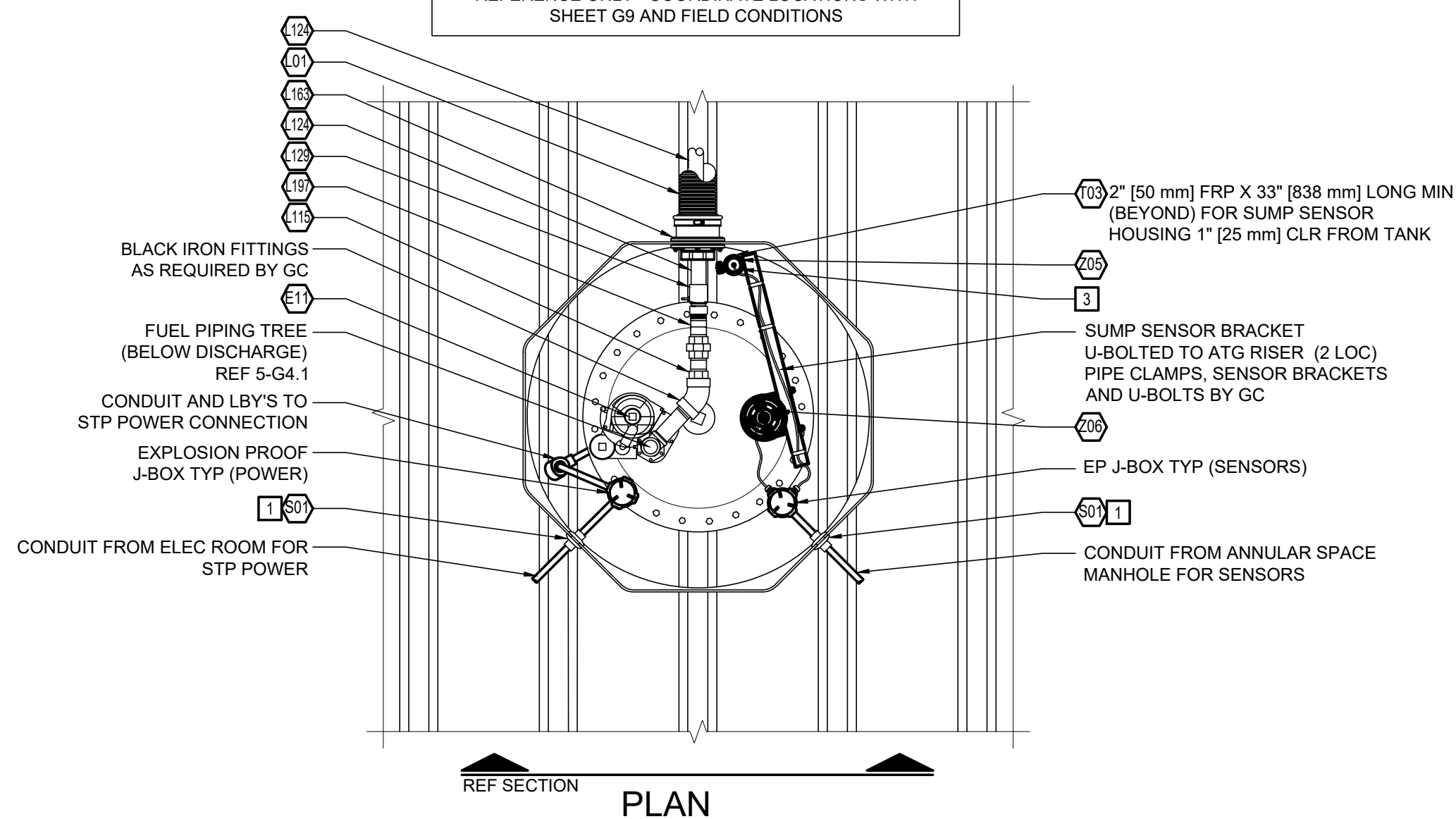
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DWG # G4



103" 2" [50 mm] FRP X 33" [838 mm] LONG (MIN) FOR SUMP SENSOR HOUSING

206

3

SUMP SENSOR BRACKET U-BOLTED TO ATG RISER (2 LOC) PIPE CLAMPS, SENSOR BRACKETS AND U-BOLTS BY GC

206

EP J-BOX TYP (SENSORS)

501 1

CONDUIT FROM ANNULAR SPACE MANHOLE FOR SENSORS

CONDUIT AND LBY'S TO STP POWER CONNECTION

EXPLOSION PROOF J-BOX (FOR STP POWER)

CONDUIT FROM ELEC ROOM FOR STP POWER

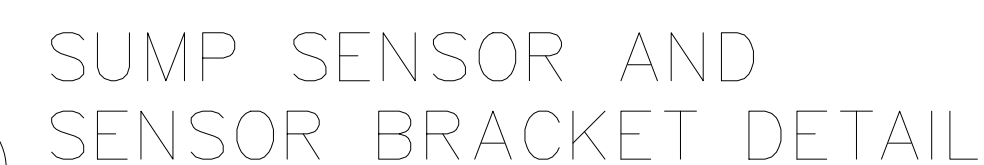
FUEL PIPING TREE (BELOW DISCHARGE) REF 5-G4.1

BLACK IRON FITTINGS AS REQUIRED BY GC

REF SECTION

PLAN

REGULAR AND PREMIUM
STP SUMP DETAILS AT TANKS #1 & #2
3/4"=1'-0"



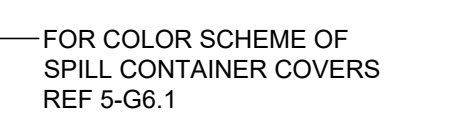
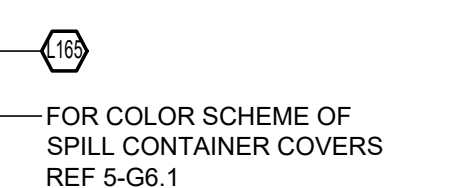
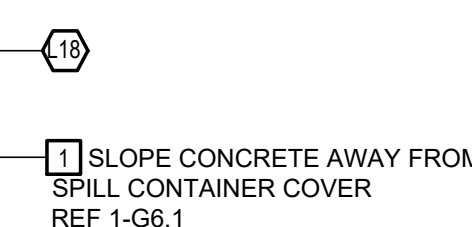
NTS

$$1\ 1/2'' = 1' - 0'$$
$$4 \overline{) 3/4'' = 1' - 0'}$$

- ## GENERAL NOTES

KEY NOTES

- 1 CONCRETE SLAB. REF. 1-G6-1 AND CIVIL DRAWINGS FOR TOS ELEVATIONS. ALL MANHOLES WITHIN THE TANK SLAB AREA TO BE RAISED 1" (25mm) ABOVE THE NORMAL GRADE OF CONCRETE. SLOPE CONCRETE TO MANHOLES 2%. CROWN CONCRETE AS TO NOT INHIBIT WATER DRAINAGE OFF THE TANK SLAB (NO POOLING).
- 2 SUMP SENSOR TO REST AT LOWEST POINT OF SUMP ENCLOSURE ON PRODUCT PIPING SIDE OF SUMP. PROVIDE CONTRACTOR TO SUPPLY UNBULB TRUST BRACKETS, PIPE CLAMPS AND 2" (50 mm) FRP SLEEVE FOR 2-POINT MOUNTING OF THE SLEEVE.
- 3 POSITION BALL VALVE FOR UNOBSTRUCTED USE OF SHUT-OFF HANDLE.
- 4 OVERFILL PREVENTION VALVE INSTALLED PER MFR'S SPECIFICATIONS. SET OVERFILL VALVE FOR RESTRICTION OF FLOW AT OR BELOW 90% TANK CAPACITY AND POSITIVE SHUT-OFF AT 95% TANK CAPACITY TO MEET NFPA 30 REQUIREMENTS.



3

$$1'' = 1' - 0''$$

2

$$1'' = 1' - 0$$

1

$$1'' = 1' - 0$$

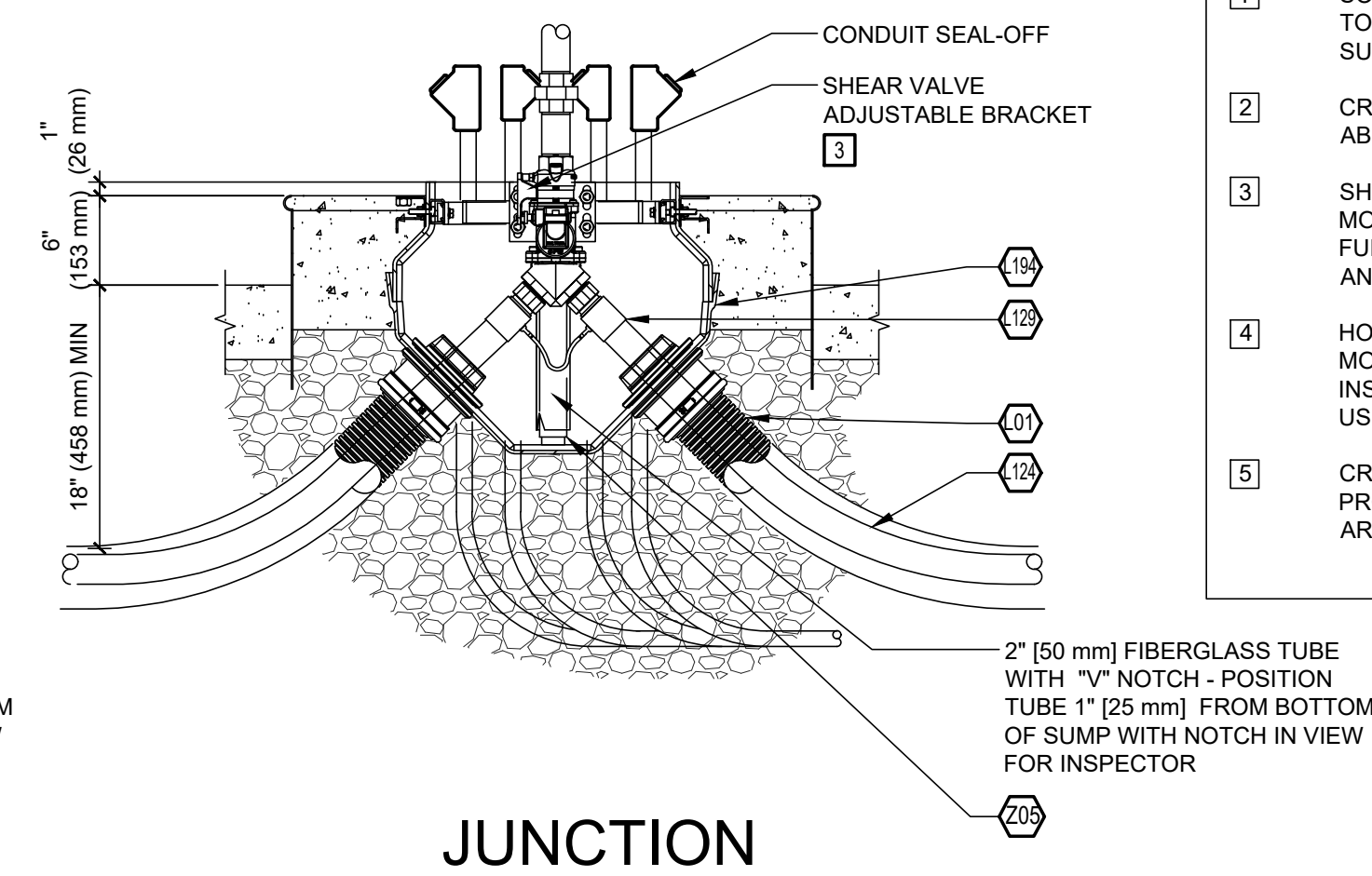
5

DAIMIAN D. LESLIE, P.E.
FL REG # 73113

JOB # 25338

DWG # G4.1

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$$1'' = 1' - 0''$$

- 1 AFTER ALL UNDERGROUND PIPING AND ELECTRIC CONDUITS ARE INSTALLED AND DURING EXCAVATION, BACKFILLING, AND CONCRETE POURING, A CONTINUOUS HYDROSTATIC TEST SHALL BE PERFORMED ON ALL SUMPS AND SPILL BUCKETS TO ENSURE TIGHTNESS AND PROPER INSTALLATION.
- 2 SUMP TO BE CLEANED OF DEBRIS AND DRIED AFTER TESTING.
- 3 FUEL CONTRACTOR IS TO PROVIDE HEAT BLANKETS DURING FUEL PIPING INSTALLATION. SEE MANUFACTURER INSTRUCTIONS FOR RECOMMENDED USE.

- 1 SOURCE NORTHAMERICA TO SUPPLY U-BOLTS TO SECURE PIPING TO CROSS RAINPITS SUPPLIED BY GILBARCO.
- 2 CRITICAL - MUST HAVE 2" [50 mm] RAIN LIP ABOVE INTEGRAL RAIN LIP FRAME.
- 3 SHEAR SECTIONS OF SHEAR VALVES SHALL BE MOUNTED FLUSH WITH TOP OF PAVEMENT. FUEL GC TO VERIFY LOCAL REQUIREMENTS AND MOUNT AS REQUIRED.
- 4 HOSE RETRACTOR REQUIRES FIELD MODIFICATION, REF MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR SPECIFIC USE.
- 5 CROWN CONCRETE AT BASE OF ISLANDS TO PROMOTE DRAINAGE AND INHIBIT POOLING AROUND DISPENSER ISLANDS.



② $\frac{\text{DISP}}{1'' = 1'-0''}$



1 — GILB
1" = 1'-0"

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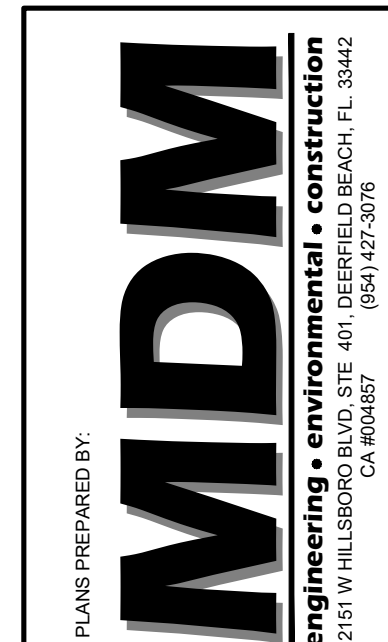
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- 1 PAINT - VENT PIPES BENJAMIN MOORE MORE GLO SOFT-GLOSS #226
- 2 PAINT - VENT RACK, BOLLARDS, ALL OTHER EXPOSED METALS BENJAMIN MOORE DEEP BRONZE #16360 ALKYD IRON CLAD
- 3 WHEN SUMP SENSOR IS REQUIRED, SUMP SENSOR TO REST AT POINT OF SUMP ENCLOSURE. TANK CONTRACTOR TO SUPPLY ALL BRACKETS AND CLAMPS FOR 2-POINT MOUNTING OF THE 2" FRP SLEEVE.

[illegible]

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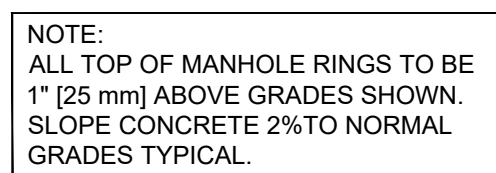
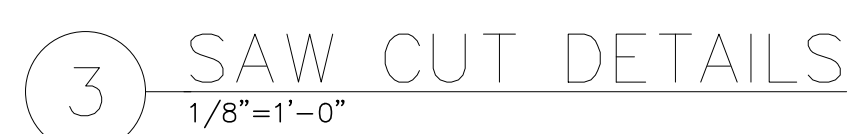
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JOB # 25338

DWG # G6



- 1 CONCRETE SLAB. REF. CIVIL DRAWINGS FOR TOS ELEVATIONS. ALL MANHOLES WITHIN THE TANK SLAB AREA TO BE RAISED 1" [25 mm] ABOVE THE NORMAL GRADE OF CONCRETE. SLOPE CONCRETE TO MANHOLES 2% PER FT. CROWN CONCRETE AS TO NOT INHIBIT WATER DRAINAGE OFF THE TANK SLAB (NO POOLING).
- 2 GASOLINE RESISTANT JOINT SEALING COMPOUND - REF SPEC SECTION V CONCRETE / PART 2 - PRODUCTS / 2.1.9.
- 3 UNDISTURBED SOIL OR COMPACTED BACK FILL NOT LESS THAN 95% OF MODIFIED PROCTOR DENSITY (AASHTO T-160).
- 4 1/2" [13 mm] THICK ASPHALT IMPREGNATED EXPANSION JOINT MATERIAL.



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3M SCHEDULE						
ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY
A01	4	INTERCOM SPEAKERS / CALL SWITCH	78-8028-9195-8	06005002	3M	7-ELEVEN / SOURCE NA
A02	1	6 CHANNEL INTERCOM SYSTEM	78-9236-2877-6	06005003	3M	7-ELEVEN / SOURCE NA
A03	4	STAINLESS STEEL BACK ASSEMBLY	78-8028-9192-5	06005001	3M	7-ELEVEN / SOURCE NA

DAYTON SUPERIOR SCHEDULE						
ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY
B01	640	PCC-205 2" - 2-1/4 CASTLE CHAIR (AZTEC)	121284	03124537	DAYTON SUPERIOR	7-ELEVEN / SOURCE NA
B02	540	PCC-305 3" - 3-1/4 CASTLE CHAIR (AZTEC)	121285	03124538	DAYTON SUPERIOR	7-ELEVEN / SOURCE NA
B03	110	PSC 5" - 5-1/4 CASTLE CHAIR (AZTEC)	127718	03124539	DAYTON SUPERIOR	7-ELEVEN / SOURCE NA

DCI SCHEDULE						
ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY
C01	4	WASH BUCKET	750701	06158304	DCI	7-ELEVEN / SOURCE NA

FE PETRO SCHEDULE						
ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY
E01	2	MAG VARIABLE FREQUENCY CONTROLLER	MAG-VFC	06006133	FE PETRO INC.	7-ELEVEN / SOURCE NA
E04	1	CONTROL BOX W/ SWITCH	STP-CBS	06006137	FE PETRO INC.	7-ELEVEN / SOURCE NA
E10	2	2 HP VARIABLE SPEED SUBMERSIBLE PUMP W/ INTAKE FILTER	STPKV32-VL2	03126506	FE PETRO INC.	7-ELEVEN / SOURCE NA
E11	1	1.5 HP FIXED SPEED SUBMERSIBLE PUMP W/ INTAKE FILTER	STPK150-VL2	03126507	FE PETRO INC.	7-ELEVEN / SOURCE NA

FIBRELITE SCHEDULE						
ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY
F19	3	42" SUBMERGED PUMP MANHOLE W/O SNOW PLOW RING	FL100BLACK-FC-KIT	03124662	FIBRELITE	7-ELEVEN / SOURCE NA
F20	3	SKIRT FOR FL100	FL100-SK18	03124663	FIBRELITE	7-ELEVEN / SOURCE NA

FLEXING SCHEDULE						
ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY
G02	2	2" MS X 2" F X 18 FIREFLEX FLEX CONNECTOR	FF20X18M346XF	03158182	FLEXING	7-ELEVEN / SOURCE NA
G03	1	3" MXM 18" FIREFLEX CONNECTOR FLEX CONNECTOR	FFUL30X18MXM	03158183	FLEXING	7-ELEVEN / SOURCE NA
G05	0	2" M346 X EZ-FIT BV TEE (15")	FF20X15M346EZBT	03124525	FLEXING	7-ELEVEN / SOURCE NA

FOGLEMAN SCHEDULE						
ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY
H01	9	4" X 72" U-SHAPED BUMPER	4-4972-S40	03158130	FOGLEMAN	7-ELEVEN / SOURCE NA

GILBARCO SCHEDULE						
ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY
J10	3	STP ISOLATION RELAY BOX	PA02870000000	00002274	GILBARCO	7-ELEVEN
J70	1	PUMP ACCESS MODULE (PAM) 5000	PA03820000	03152265	GILBARCO	7-ELEVEN
J71	1	DUAL BOARD UNIVERSAL DISTRIBUTION BOX	PA0261-2	00964310	GILBARCO	7-ELEVEN
J72	1	CRIND EXPANSION KIT FOR PAM 5000	M08037B002	03152302	GILBARCO	7-ELEVEN
J73	1	POS TO PAM CABLE ADAPTER	R19000-03	03152268	GILBARCO	7-ELEVEN
J74	2	PAM TO D-BOX CABLE ADAPTER	R19000-02	03152269	GILBARCO	7-ELEVEN
J75	1	DOUBLE D-BOX 50FT CABLE	Q11542-53	00007119	GILBARCO	7-ELEVEN
J76	1	POS TO CRIND D-BOX CABLE ADAPTER	R19000-04	03152270	GILBARCO	7-ELEVEN
J150	2	ENCORE 500S 3+0 DUAL BLENDER, CABINET HEATER, NN1	03135720	03135720	GILBARCO	7-ELEVEN
J151	2	ENCORE 500S 3+1 DUAL BLENDER, CABINET HEATER, NL1	03135721	03135721	GILBARCO	7-ELEVEN
J152	4	7-ELEVEN DISPENSER "BRANDVIEW" VALANCE	EN55010GA151	03135729	GILBARCO	7-ELEVEN

HANGING HARDWARE SCHEDULE						
ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY
K03	16	.75" X 8" FLEXSTEEL HARDWALL HOSE	GY34X8MXM	03124651	SOURCENA	7-ELEVEN / SOURCE NA
K04	8	.75" X 8" FLEXSTEEL WHIP HOSE	GY34X8MXMWHIP	03124652	SOURCENA	7-ELEVEN / SOURCE NA
K48	8	3/4" CONVENTIONAL NOZZLE	11BKP-7400	03124692	OPW	7-ELEVEN / SOURCE NA
K49	4	3/4" NOZZLE FOR DIESEL	11BK-7900	03124678	OPW	7-ELEVEN / SOURCE NA
K50	12	3/4" CONVENTIONAL BREAKAWAY	66REC-1000	03158363	OPW	7-ELEVEN / SOURCE NA
K51	8	3/4" SPLASHGUARD FOR CONVENTIONAL NOZZLE	8BL-0400	03158389	OPW	7-ELEVEN / SOURCE NA
K52	4	DIESEL SPLASHGUARD	8Y-0900	03124679	OPW	7-ELEVEN / SOURCE NA
K98	12	FLOW LIMITER	44-0044	03305131	OPW	7-ELEVEN / SOURCE NA
K99	2	HOSE RETRACTOR FOR ENCORE (1 PER DISPENSER)	6102-EC01	03305104	OPW	7-ELEVEN / SOURCE NA
K01	4	3/4" HOSE CLAMP (1-1/8" OD) - 2 PER RETRACTOR KIT	BP-1394	03305105	SVI	7-ELEVEN / SOURCE NA
K119	12	CONVENTIONAL NOZZLE HOSE SWIVEL	45-5060	03126565	OPW	7-ELEVEN / SOURCE NA

OPW SCHEDULE						
ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY
L01	2	4" ACCESS PIPE - 250 FT BOX	AXP-40-250	03158339	OPW	7-ELEVEN / SOURCE NA
L10	10	ADJUSTABLE STABILIZER KIT	SBO-0300	06006111	OPW	7-ELEVEN / SOURCE NA
L12	10	1.5" SHEAR VALVE - DBL POPPET	10P-0152	03124684	OPW	7-ELEVEN / SOURCE NA
L18	3	18" MANHOLE ASSY (ANNULAR)	104A-1800WT	06006209	OPW	7-ELEVEN / SOURCE NA
L19	2	VAPOR CAP	1711T-7085-EVR	06006180	OPW	7-ELEVEN / SOURCE NA
L24	4	FILL SWIVEL ADAPTER	61SALP-1020-EVR	06006214	OPW	7-ELEVEN / SOURCE NA
L25	2	FACE SEAL ADAPTER	FSA-400	06006230	OPW	7-ELEVEN / SOURCE NA
L26	2	VAPOR RECOVERY SWIVEL ADAPTER	61VSA-1020-EVR	06006221	OPW	7-ELEVEN / SOURCE NA
L27	4	TOP SEAL CAP EVR	634TT-7085-EVR	06006226	OPW	7-ELEVEN / SOURCE NA
L30	3	2" BALL VALVE	21BV-0200	03158393	OPW	7-ELEVEN / SOURCE NA
L35	2	TANK TAG EXTERIOR SPILL BUCKET (REGULAR UNLEADED)	1TAG-1000	06006187	OPW	7-ELEVEN / SOURCE NA
L36	2	TANK TAG - INTERIOR SPILL BUCKET (REGULAR UNLEADED)	1TAG-1010	06006188	OPW	7-ELEVEN / SOURCE NA
L37	1	TANK TAG EXTERIOR SPILL BUCKET (PREMIUM UNLEADED)	1TAG-3000	06006191	OPW	7-ELEVEN / SOURCE NA
L38	1	TANK TAG - INTERIOR SPILL BUCKET (PREMIUM UNLEADED)	1TAG-3010	06006192	OPW	7-ELEVEN / SOURCE NA
L39	2	EXTERIOR VAPOR RECOVERY TANK TAG	1TAG-7000	06006195	OPW	7-ELEVEN / SOURCE NA
L40	1	CONCRETE TANK MARKER (TANK GAUGE #1)	106N-1100	06006170	OPW	7-ELEVEN / SOURCE NA
L41	1	CONCRETE TANK MARKER (TANK GAUGE #2)	106N-2200	06006171	OPW	7-ELEVEN / SOURCE NA
L42	2	CONCRETE TANK MARKER (REGULAR UNLEADED)	106U-0125	06006175	OPW	7-ELEVEN / SOURCE NA
L43	1	CONCRETE TANK MARKER (PREMIUM UNLEADED)	106P-0150	06006174	OPW	7-ELEVEN / SOURCE NA
L44	2	4x2 TEE EXTRACTOR FITTING	233-4420	03158332	OPW	7-ELEVEN / SOURCE NA
L45	2	2" UPDRAFT VENT CAP	23-0033	06005039	OPW	7-ELEVEN / SOURCE NA
L53	1	TANK TAG EXTERIOR SPILL BUCKET (DIESEL)	1TAG-4000	06006193	OPW	7-ELEVEN / SOURCE NA
L54	1	TANK TAG - INTERIOR SPILL BUCKET (DIESEL)	1TAG-4010	06006194	OPW	7-ELEVEN / SOURCE NA
L56	1	CONCRETE TANK MARKER (DIESEL)	106DL-0095	06006169	OPW	7-ELEVEN / SOURCE NA
L57	4	4" DROP TUBE WITH DUAL OVERFLOW VALVE 5FT BURY - 10FT TANK	71SO-410C	03158324	OPW	7-ELEVEN / SOURCE NA
L58	1	DIESEL VENT PIPE CAP	116-7085	03185354	OPW	7-ELEVEN / SOURCE NA
L61	1	3" UPDRAFT VENT CAP	23-0055	03165588	OPW	7-ELEVEN / SOURCE NA
L62	1	4 X 3 TEE EXTRACTOR FITTING	233-4430	03185335	OPW	7-ELEVEN / SOURCE NA
L68	4	JACK SCREW FOR CAST BASE SPILL CONTAINER	61JSK-44CB	03158161	OPW	7-ELEVEN / SOURCE NA
L72	1	CONCRETE TANK MARKER (TANK GAUGE #3)	106N-3300	06006172	OPW	7-ELEVEN / SOURCE NA
L76	4	DOUBLEWALL SPILL BUCKET (FILL)	1C-3112D	03158396	OPW	7-ELEVEN / SOURCE NA
L115	3	MALE ADAPTER FITTING	SMA-1520	06006113	OPW	7-ELEVEN / SOURCE NA
L124	2	1.5" DW FLEX PIPE - 250 FT BOX	C15A-250	03158338	OPW	7-ELEVEN / SOURCE NA
L125	3	1.5" 90 ELBOW	SEF-1515	03124572	OPW	7-ELEVEN / SOURCE NA
L126	7	1.5" TEE	STF-1515	03124574	OPW	7-ELEVEN / SOURCE NA
L129	20	1.5" OPW SWIVEL DW PIPE COUPLING	DFC-2150A	03124596	OPW	7-ELEVEN / SOURCE NA
L130	6	TEST JUMPER TUBE	TCT-2509	03124576	OPW	7-ELEVEN / SOURCE NA
L131	6	TERMINATION TEST JUMPER TUBE	TTT-2536	03124575	OPW	7-ELEVEN / SOURCE NA
L163	20	RIGID ENTRY FITTING 4 x 1.5"	REF-4015	03124570	OPW/POMECO	7-ELEVEN / SOURCE NA
L165	2	12" MANHOLE	104FG-1200	06006168	OPW	7-ELEVEN / SOURCE NA
L194	1	DISPENSER SUMP - ENCORE (3 IN/3 OUT)	DLFR-15-1836-123567	XXXXXXX	OPW	7-ELEVEN / SOURCE NA
L195	2	DISPENSER SUMP - ENCORE (2 IN/2 OUT)	DLFR-15-1836-1256	XXXXXXX	OPW	7-ELEVEN / SOURCE NA
L196	1	DISPENSER SUMP - ENCORE (3 IN/0 OUT)	DLFR-15-1836-567	XXXXXXX	OPW	7-ELEVEN / SOURCE NA
L197	3	ADAPTER 1.5" FLEXWORKS TO 1.5" MNPT	SMA-1515	XXXXXXX	OPW	7-ELEVEN / SOURCE NA

LIGHT FIXTURE SCHEDULE						
ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY
M08	16	GE LED UNDER CANOPY LIGHTING	ECB0B05F5501A-WHTE	03301700	GE	7-ELEVEN/GRAYBAR

EPI SCHEDULE						
ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY
AQ1	1	CUSTOM MOUNTABLE SPILL KIT (TUBULAR)	CM-7-11	03115402	EPI	7-ELEVEN
AQ2	1	1/4" L-BRACKET - (CAB MOUNT SPEC/TUBULAR KIT)	03115406	03115406	EPI	7-ELEVEN
AQ3	1	CUSTOM HARDWARE KIT	03115409	03115409	EPI	7-ELEVEN

MASTER LOCK SCHEDULE						
ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY
N01	2	SERIES 175 TUMBLER LOCK	175	03185351	MASTER LOCK	7-ELEVEN / SOURCE NA

MAY ADVERTISING SCHEDULE						
ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY
P01	4	DISPENSER PUMP TOPPER	CT-XL	03158215	MAY ADVERTISING	7-ELEVEN / SOURCE NA

PIPE RISER SCHEDULE						
ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY
Q01	2	7" THIN WALL PIPE RISER	484RISER	03185353	GENERAL PIPE MANUF.	7-ELEVEN / SOURCE NA

POWER INTEGRITY SCHEDULE						
ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY
R01	3	E-STOP SWITCH RED INCLUDES RED COVER WITH TWIST	IA-ESOCAT/RD	03158209	POWER INTEGRITY	7-ELEVEN / SOURCE NA
R02	1	DISPENSER DATA / LOW VOLTAGE DISCONNECT	DDS-8DM4GE	03124654	POWER INTEGRITY	7-ELEVEN / SOURCE NA

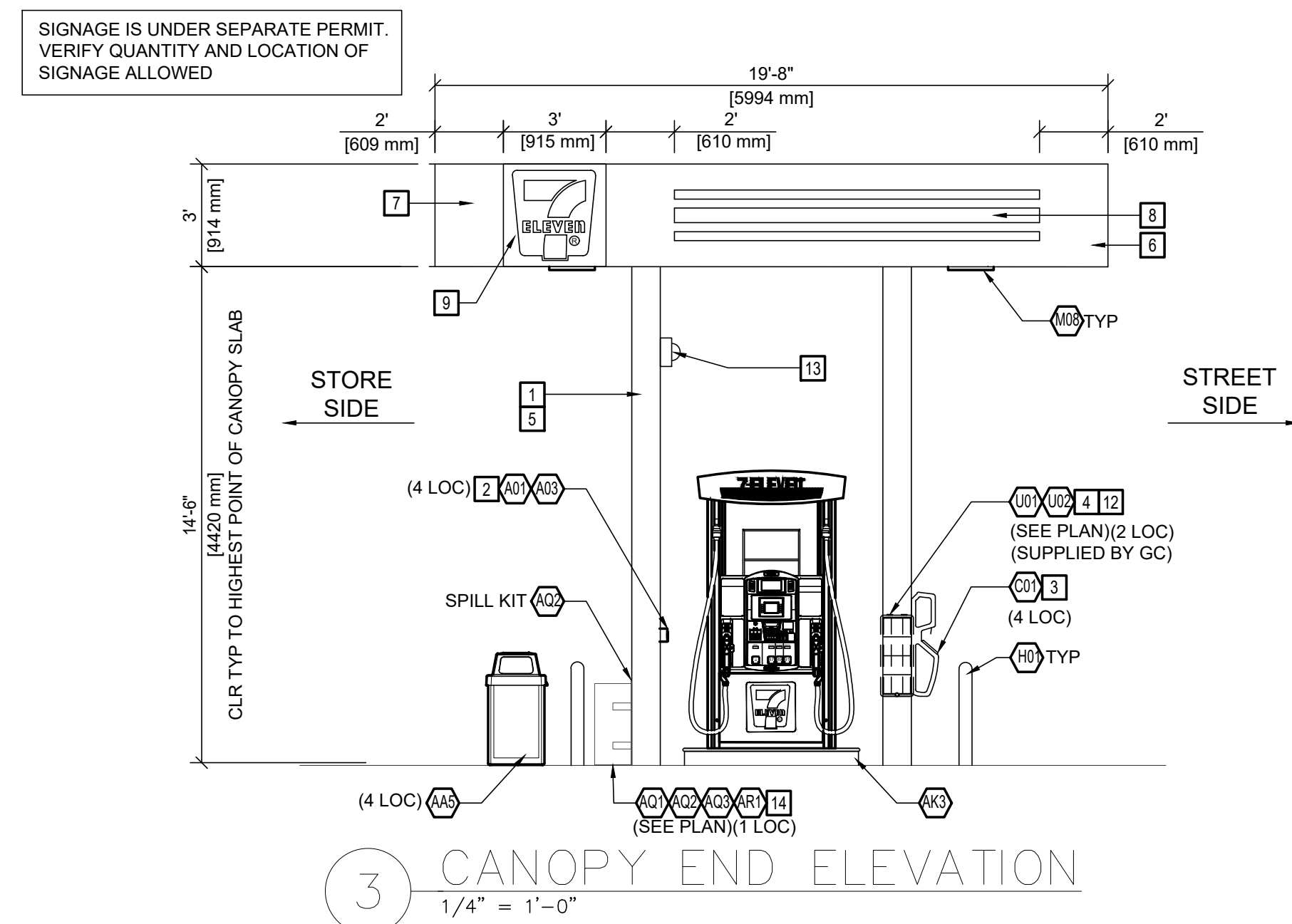
S. BRAVO SYSTEM SCHEDULE						
ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY
S01	6	3/4" ROB ROY FITTING	F-17-RR-7-11	03115710	S. BRAVO SYSTEM INC.	7-ELEVEN / SOURCE NA
S03	1	VAPOR VENT RACK	RS500JP-3S	03158039	S. BRAVO SYSTEM INC.	7-ELEVEN / SOURCE NA
S05	1	FIBERGLASS VAPOR VENT REMOTE SUMP (CENTER) (LEFT) (RIGHT)	B500JPF-3SB	03158049	S. BRAVO SYSTEM INC.	7-ELEVEN / SOURCE NA
S06	1	3" ADAPTER	VFA-3X/B500JPF-3SB	03304920	S. BRAVO SYSTEM INC.	7-ELEVEN / SOURCE NA
S15	2	3" PIPE RACK CLAMPS (2 PER 3" ADAPTER)	VPC-3	03124567	S. BRAVO SYSTEM INC.	7-ELEVEN / SOURCE NA

SMITH FIBERCAST VAPOR / VENT PIPING SCHEDULE						
ITEM NO.	LGTH	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY
T01	25'	4" PRIMARY PIPING (USE 25 FT LENGTHS)	011040-069-2	06006331	NOV (REDTHREAD IIA)	7-ELEVEN / SOURCE NA
T02	25'	3" PRIMARY PIPING (USE 25 FT LENGTHS)	011030-069-2	06006329	NOV (REDTHREAD IIA)	7-ELEVEN / SOURCE NA
T03	100'	2" PRIMARY PIPING (USE 25 FT LENGTHS)	011020-069-2	06006328	NOV (REDTHREAD IIA)	7-ELEVEN / SOURCE NA

SMITH FIBERCAST SCHEDULE						
ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY
T08	0	2" PRIMARY SLEEVE COUPLING	012020-101-8	06006255	NOV (REDTHREAD IIA)	7-ELEVEN / SOURCE NA
T13	4	2" PRIMARY 90 ELBOW	012020-360-4	06006261	NOV (REDTHREAD IIA)	7-ELEVEN / SOURCE NA
T14	2	3" PRIMARY 90 ELBOW	012030-360-4	06006274	NOV (REDTHREAD IIA)	7-ELEVEN / SOURCE NA
T16	2	2" BELL X M	012020-191-4	06006256	NOV (REDTHREAD IIA)	7-ELEVEN / SOURCE NA
T29	14	DS-8069 9.03 ADHESIVE KIT	022990-033-9	06006288	NOV (REDTHREAD IIA)	7-ELEVEN / SOURCE NA
T30	0	FILLER FOR DS-7069 AND DS-8069	002990-033-0	06006247	NOV (REDTHREAD IIA)	7-ELEVEN / SOURCE NA
T31	4	4" BELL X MALE	012040-191-4	06006278	NOV (REDTHREAD IIA)	7-ELEVEN / SOURCE NA
T32	2	2" BONDED FITTING (SINGLE WALL)	012020-622-0	03158380	NOV (REDTHREAD IIA)	7-ELEVEN / SOURCE NA
T33	1	3" BONDED FITTING (SINGLE WALL)	012030-622-0	03115730	NOV (REDTHREAD IIA)	7-ELEVEN / SOURCE NA
T34	2	3" BELL X M	012030-191-4	06006265	NOV (REDTHREAD IIA)	7-ELEVEN / SOURCE NA

FIRE EXTINGUISHER						
ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY
U01	4	PORTABLE FIRE EXTINGUISHER	XXXXXXX	XXXXXXX	POTTER ROEMER	GC
U02	4	FIRE EXTINGUISHER CABINET	XXXXXXX	XXXXXXX	CATO	GC

TYPAR FILTER FABRIC SCHEDULE						
ITEM NO.	QTY.	DESCRIPTION	PART NO.	ORACLE NO.	MANUFACTURER	FURNISHED BY
V01	4	FILTER FABRIC 12- 1/2" X 300'	TYPAR-3401	06006313	TYPAR	7-ELEVEN / SOURCE NA

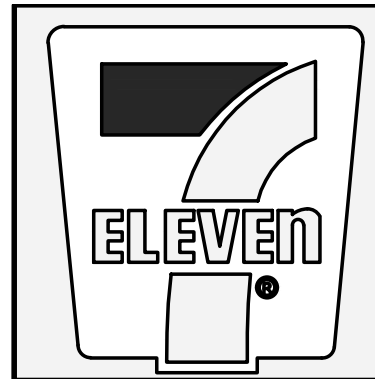
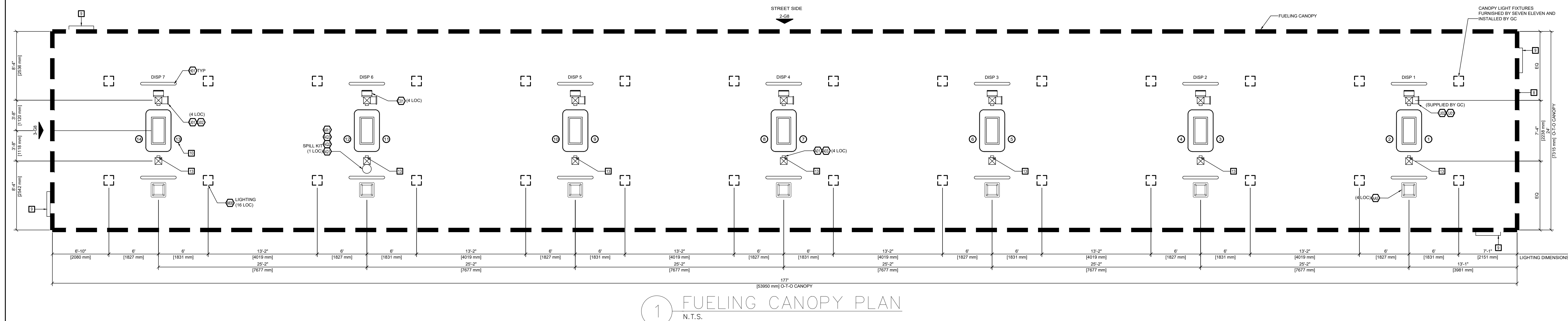


- ## GENERAL NOTES

1. GRADES AROUND DISPENSERS AND CANOPY TO BE SHOT TO PREVENT PONDING AROUND THE DISPENSERS. CONTRACTOR TO REMOVE AND REPAIR PAVEMENT IF PONDING OCCURS.
2. NO CONDUITS OR DOWNSPOUTS ON EXTERIOR OF CANOPY COLUMNS.
3. REFER TO GRADING PLAN FOR FINAL ELEVATIONS.

- ## # KEY NOTES

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FUELING CANOPY LAYOUT 4-IN-LINE

THE OSCAR W LARSON COMPANY
SHOPS AT INDIAN TRAILS A.K.A. COCONUT CROSSING
SWC NORTHLAKE BLVD & COCONUT BLVD.
PALM BEACH GARDENS, FLORIDA 33412

[illegible]

SCALE: AS SHOWN	DATE: 08-08-2025
DRAWN BY: LAR	PROPOSED GRADES BY:
CHECKED BY:	S.S.#
APPROVED BY:	

Do Not Scale—Use Dimensions Only

* To the best of my knowledge, the plans and specifications submitted herewith comply with existing interpretations and provisions of the applicable Building Codes, no warranty

PLANS PREPARED BY:

MDM

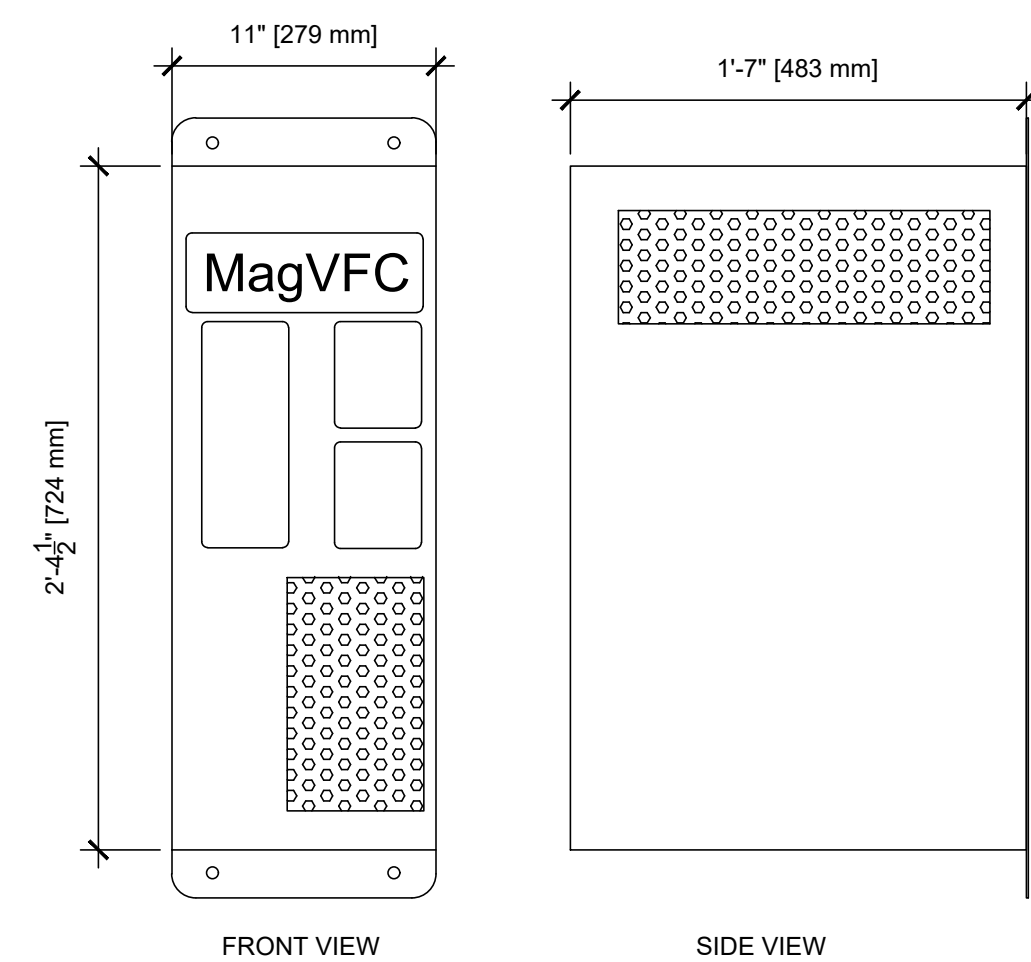
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CA #004857
(864) 427-3076

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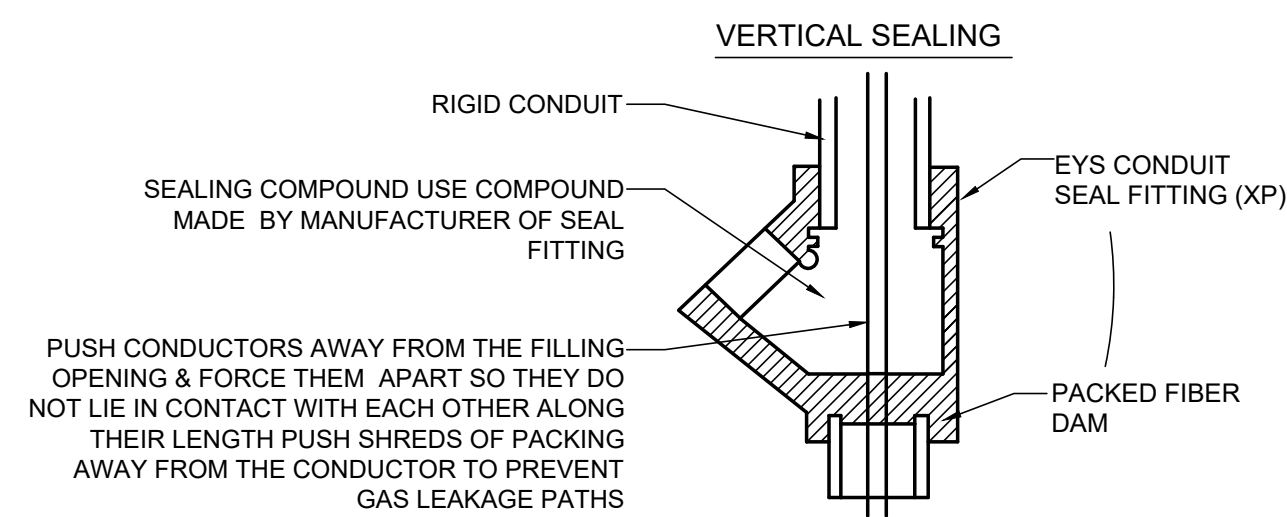
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FL REG # 73113

JOB # 25338

DWG # G8



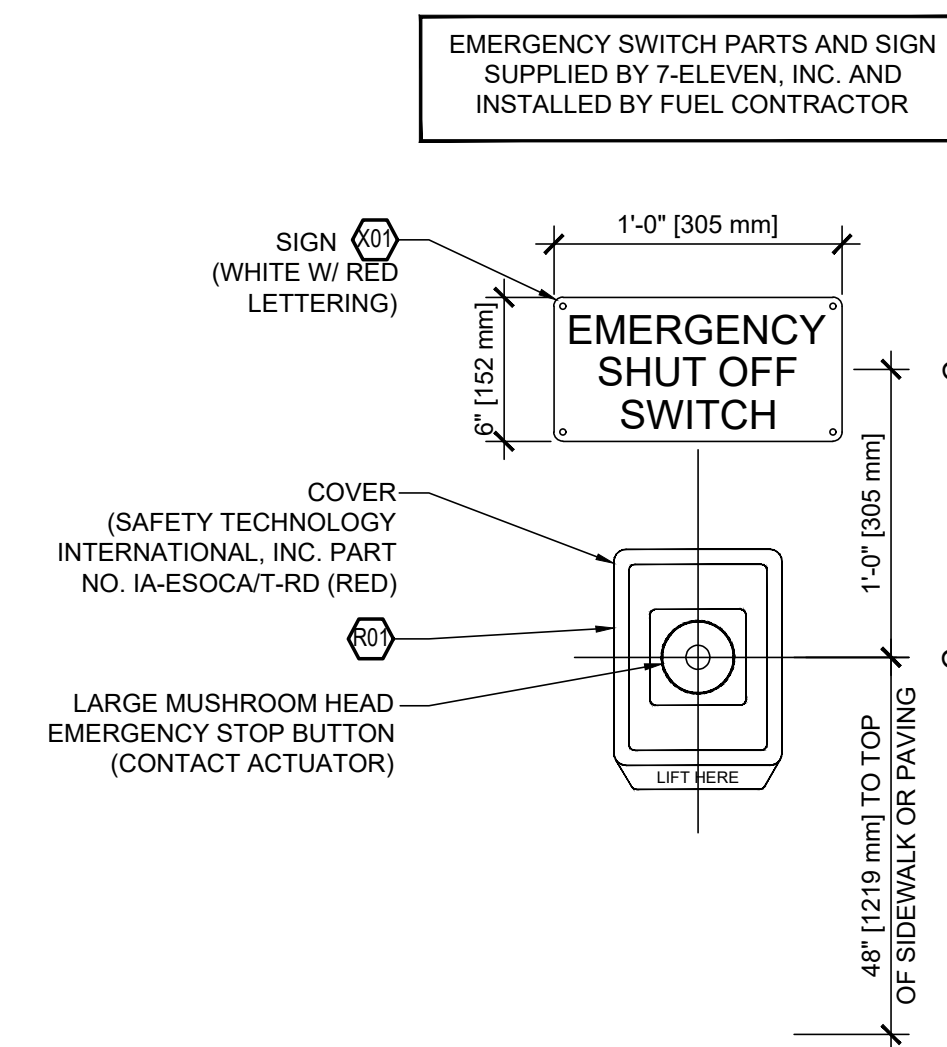
FE PETRO MAGVFC - VARIABLE
FREQUENCY CONTROLLER. SEE MANUAL
FOR WIRING INSTRUCTIONS.



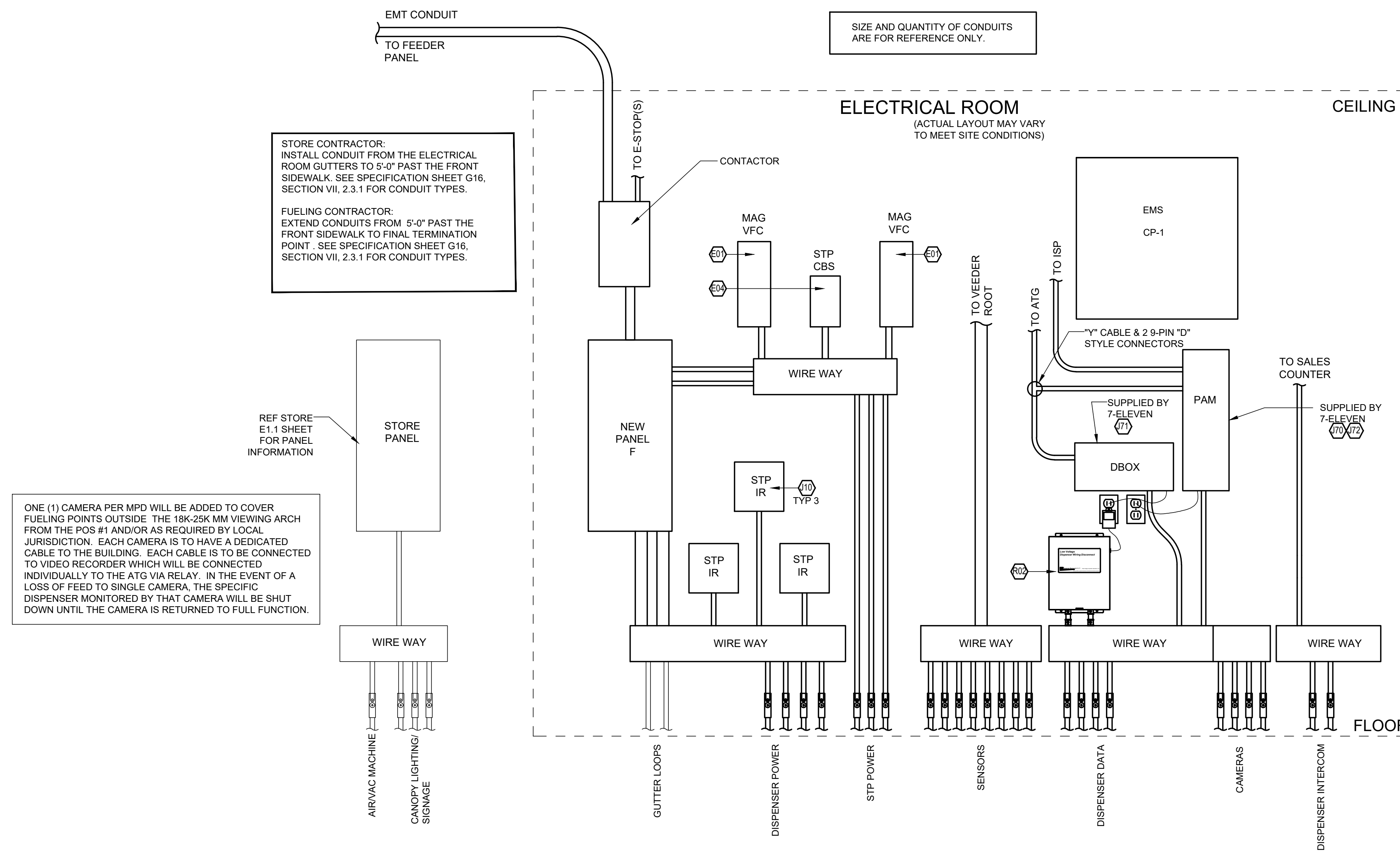
NOTE:

PROVIDE EXPLOSION PROOF SEALS. IN ACCORDANCE WITH CANADIAN ELECTRICAL CODE TYPICAL FOR ALL UNDERGROUND CONDUIT STUB-UPS INTO EQUIPMENT

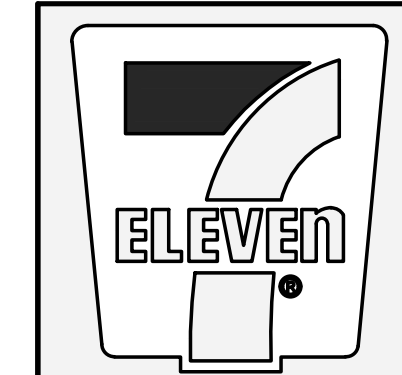
SEAL OFF ALL CONDUIT ENTERING OR LEAVING CAVITIES OR ENCLOSURES OF DISPENSERS AND ASSOCIATED EQUIPMENT. IN ADDITION, ALL CONDUITS COMING FROM THE BUILDING THROUGH A HAZARDOUS LOCATION ALSO REQUIRE SEAL-OFFS AT BOTH ENDS.



EMERGENCY SWITCH PARTS AND SIGN
SUPPLIED BY 7-ELEVEN, INC. AND
INSTALLED BY FUEL CONTRACTOR



1 POWER/DATA EQUIPMENT DETAILS



MISCELLANEOUS ELECTRICAL DETAILS

THE OSCAR W LARSON COMPANY
SHOPS AT INDIAN TRAILS A.K.A. COCONUT CROSSING
SWC NORTHLAKE BLVD & COCONUT BLVD.
PALM BEACH GARDENS, FLORIDA 33412

[illegible]

SCALE: AS SHOWN	DATE: 08-08-2025
DRAWN BY: LAR	PROPOSED GRADES BY:
CHECKED BY:	S.S.#
APPROVED BY:	

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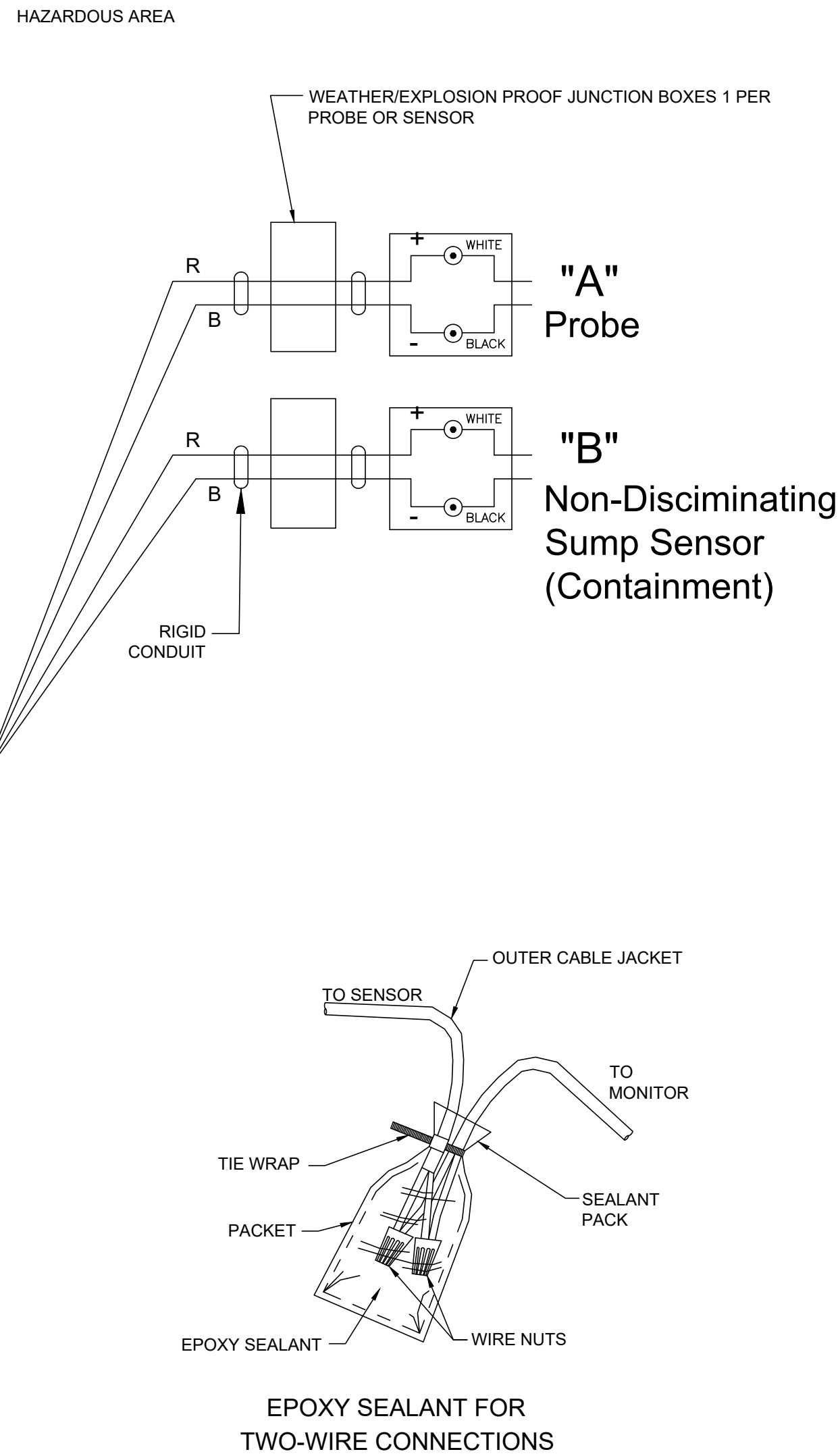
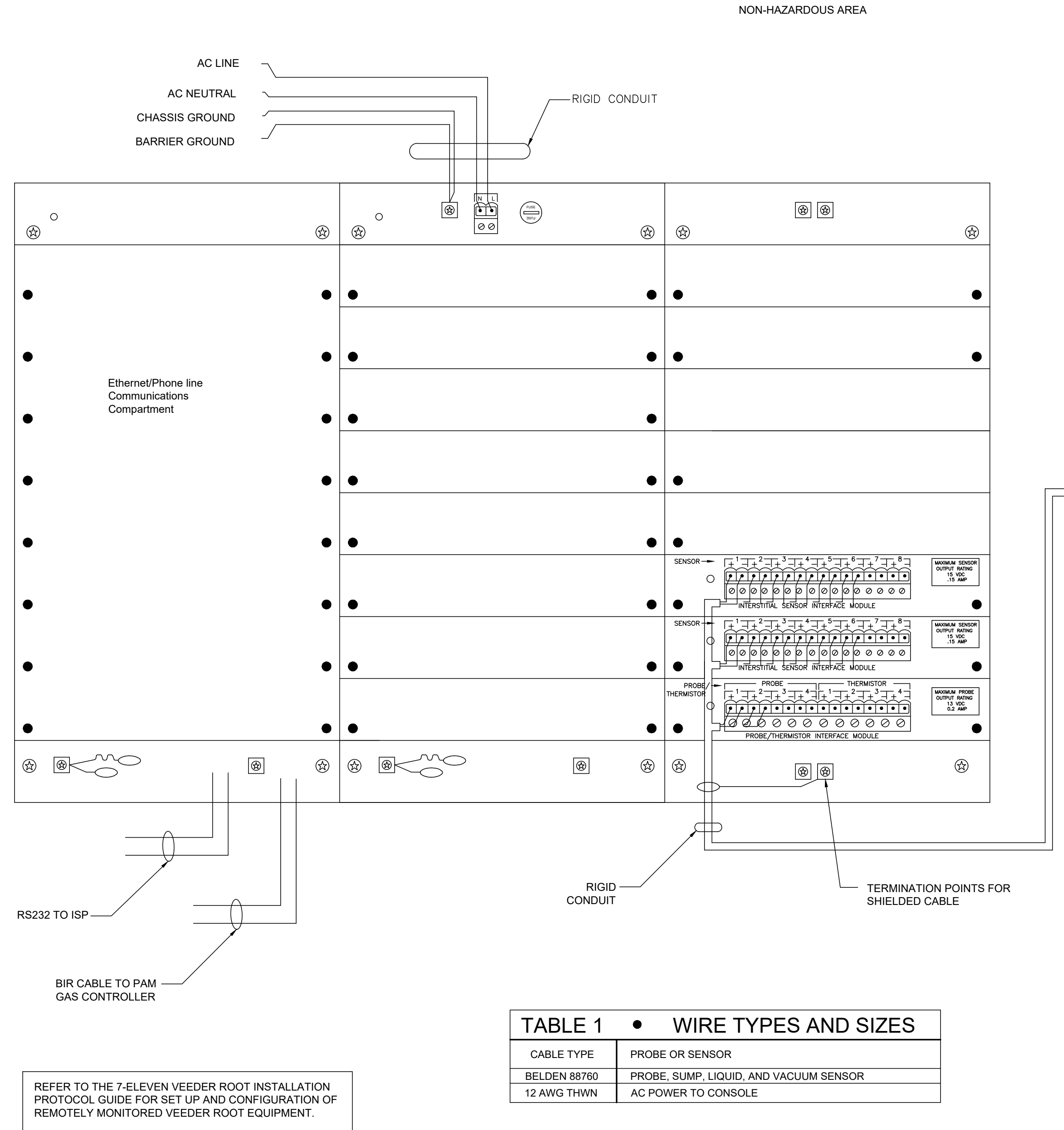
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DAIMIAN D. LESLIE, P.E.

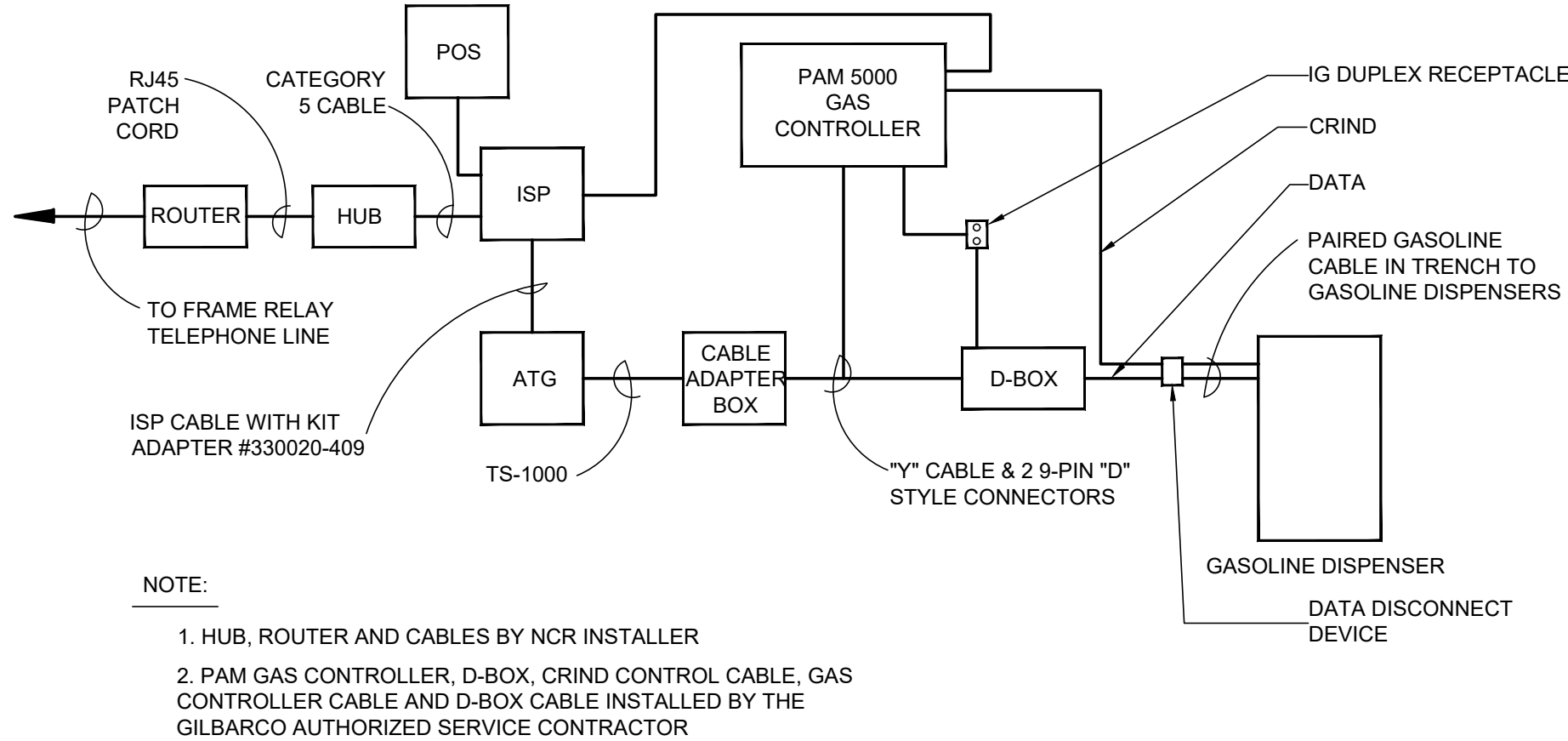
JOB # 25338

DWG # G10





1 SITE MONITORING WIRING SCHEMATIC
1 1/2"=1'-0"



2 POS GAS CONTROLLER DIAGRAM
NTS

GENERAL NOTES

IMPORTANT: THIS IS A CONTROL DRAWING ONLY AND DOES NOT REFLECT THE ACTUAL LOCATIONS OF CONDUIT ENTRY (SEE NOTE 7 BELOW).

VEEDER-ROOT REQUIRES THAT ANYONE INSTALLING OUR EQUIPMENT MUST BE LEVEL 1 CERTIFIED. FOR MORE INFORMATION REGARDING THE HOME STUDY INSTALLERS COURSE CONTACT JOHN HOWELL 951-532-8599.

WARNING: IN INSTALLATION AND USE OF THIS PRODUCT, COMPLY WITH THE NATIONAL ELECTRICAL CODE, FEDERAL, STATE AND LOCAL CODES. IN ADDITION, TURN OFF POWER AND TAKE OTHER NECESSARY PRECAUTIONS DURING INSTALLATION, SERVICE AND REPAIR TO PREVENT PERSONAL INJURY, PROPERTY LOSS AND EQUIPMENT DAMAGE.

WARNING: DISCONNECT ALL POWER BEFORE MAKING ANY CONNECTIONS TO PREVENT DEATH, SERIOUS INJURY, EXPLOSION, OR ELECTRICAL SHOCK. MONITOR MUST NEVER BE OPERATED UNLESS THE FRONT COVER IS CLOSED OVER THE BARRIER TERMINALS IN THE INTRINSICALLY SAFE AREA.

1. INTRINSICALLY SAFE WIRING

BONDED CONDUIT MEANS THAT THE METALLIC SECTIONS OF CONDUIT ARE PERMANENTLY JOINED TO FORM AN ELECTRICALLY CONDUCTIVE PATH THAT WILL ASSURE ELECTRICAL CONTINUITY, AND THAT THE CONDUIT HAS THE CAPACITY TO CONDUCT SAFELY. ANY CURRENT LIKELY TO BE IMPOSED.

a) BONDED & NON-BONDED CONDUIT - THE WIRES BETWEEN THE MONITOR AND EACH PROBE/SENSOR LOCATION MUST BE #14, #16 OR #18 AWG STRANDED COPPER WIRES WITHIN A SHIELDED CABLE. SHIELDED CABLE MUST BE RATED AT LESS THAN 100 PICO FARAD PER FOOT AND MUST BE MANUFACTURED WITH A MATERIAL SUITABLE FOR THE ENVIRONMENT, SUCH AS BELDEN™ 88760.

2. CONNECT THE BARRIER GROUND TO THE EARTH GROUND BUS AT THE POWER DISTRIBUTION PANEL WITH #12 AWG (OR LARGER) CONDUCTOR.

3. DENOTES FIELD WIRING CONNECTION USING WATERPROOF CONNECTORS SUPPLIED WITH THE PROBE(S) AND SENSOR(S).

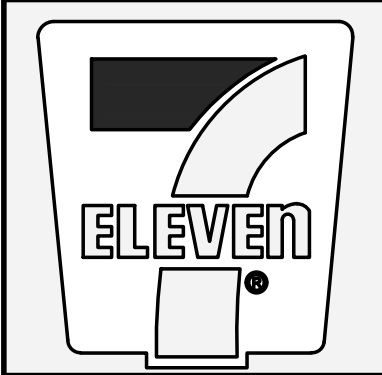
4. INTRINSICALLY SAFE WIRING SHALL BE INSTALLED IN ACCORDANCE WITH C.E.C.

5. TO MAINTAIN INTRINSIC SAFETY, PROBE/SENSOR WIRING MUST BE INSTALLED WITH EITHER SEALED CONDUIT OR DIRECT BURIAL METHODS. REFER TO "DIRECT BURIAL CABLE INSTALLATION", MANUAL NO. 576013-858.

6. ELECTRICAL RATING POWER INPUT 120 VAC, 50/60 HZ, 100 VA MAXIMUM.

7. THIS DOCUMENT IS NOT TO BE USED AS A SUBSTITUTE FOR SPECIFIC EQUIPMENT INSTALLATION MANUALS. FOR INSTALLATION DETAILS USE THE RESPECTIVE MANUAL: TLS-350(R) 576013-879

8. ALL CABINET PENETRATIONS MUST ENTER THROUGH A PRE-DRILLED CONDUIT KNOCKOUT.



SITE MONITORING EQUIPMENT DIAGRAM

THE OSCAR W LARSON COMPANY
SHOPS AT INDIAN TRAILS A.K.A. COCONUT CROSSING
SWC NORTHLAKE BLVD & COCONUT BLVD.
PALM BEACH GARDENS, FLORIDA 33412

DATE	NO.	REVISION	BY

SCALE	AS SHOWN	DATE	08-08-2025	PROPOSED GRADE	BY
DRAWN BY:	LAR	CHECKED BY:		S.S.#	
APPROVED BY:					

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* To the best of my knowledge, the plans and specifications are correct and complete. I warrant that the work shown and expressed or implied is hereby given.



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY DAIMIAN D. LESLIE, P.E. 2/15/11 WILLISBORO, NH 03086-4111
THIS DOCUMENT IS NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

DAIMIAN D. LESLIE, P.E.
FL REG # 73113

JOB # 25338

DWG # G12

PERFORMANCE SPECIFICATION

SECTION I GENERAL CONDITIONS

PART 1 - GENERAL

- 1.1 SCOPE OF WORK: THE WORK INCLUDED IN THE CONTRACT FOR THIS PROJECT CONSISTS OF THE FURNISHING OF ALL LABOR, MATERIALS, SERVICES, EQUIPMENT AND APPLIANCES REQUIRED IN CONJUNCTION WITH OR PROPERLY INCIDENTAL TO THE COMPLETE CONSTRUCTION OF A GASOLINE INSTALLATION FOR 7-ELEVEN, INC.

PART 2 - AGREEMENT

- 2.1 CONTRACTOR SHALL NOT START WORK WITHOUT CONTRACT AND APPROVED SEALED PLANS.

PART 3 - INTENT OF DRAWING AND SPECIFICATIONS

- 3.1 THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO PRESCRIBE A COMPLETE WORK OR IMPROVEMENT WHICH THE CONTRACTOR SHALL PERFORM IN FULL COMPLIANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL PERFORM ALL WORK NECESSARY TO COMPLETE THE WORK IN A SATISFACTORY AND ACCEPTABLE MANNER.
- 3.2 THE CONTRACTOR SHALL, UPON DISCOVERY, REPORT ANY DISCREPANCIES IN THE DRAWINGS AND SPECIFICATIONS TO THE OWNER'S CONSTRUCTION MANAGER.
- 3.3 THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO BE COMPLIMENTARY. ANYTHING MENTIONED IN THE SPECIFICATIONS AND NOT SHOWN ON THE DRAWINGS, OR SHOWN ON THE DRAWINGS AND NOT MENTIONED IN THE SPECIFICATIONS, SHALL BE OF LIKE EFFECT AS IF SHOWN OR MENTIONED IN BOTH. GENERALLY, THE SPECIFICATIONS DESCRIBE WORK WHICH CANNOT BE READILY IDENTIFIED ON THE DRAWINGS AND INDICATED TYPES, QUALITIES AND METHODS OF INSTALLATION OF THE VARIOUS MATERIALS AND EQUIPMENT REQUIRED FOR THE WORK. IT IS NOT INTENDED TO MENTION EVERY ITEM OF WORK IN THE SPECIFICATIONS WHICH CAN BE ADEQUATELY SHOWN ON THE DRAWINGS NOR TO SHOW ON THE DRAWINGS ALL ITEMS OF WORK DESCRIBED OR REQUIRED BY THE SPECIFICATIONS EVEN IF THEY ARE OF SUCH NATURE THAT THEY COULD HAVE BEEN SHOWN THEREON. ALL MATERIALS OR LABOR FOR WORK WHICH IS SHOWN ON THE DRAWINGS OR IS REASONABLY INFERRABLE AS BEING NECESSARY TO PRODUCE A FINISHED JOB SHALL BE PROVIDED BY THE CONTRACTOR WHETHER OR NOT THE WORK IS EXPRESSLY COVERED IN THE SPECIFICATIONS.
- 3.4 THE CONTRACTOR, SUBCONTRACTORS AND ALL TRADES SHALL EXAMINE THE SITE AND ASCERTAIN EXISTING CONDITIONS PRIOR TO THE START OF THEIR PORTIONS OF THE WORK. BEFORE ORDERING MATERIALS OR DOING ANY WORK, THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR THE CORRECTNESS OF ALL MEASUREMENTS AT THE SITE. ANY DIFFERENCES WHICH MAY BE FOUND BETWEEN ACTUAL DIMENSIONS AND DIMENSIONS INDICATED ON THE DRAWINGS OR SHOP DRAWINGS SHALL BE SUBMITTED TO THE OWNER'S CONSTRUCTION MANAGER FOR CONSIDERATION BEFORE PROCEEDING WITH THE ACTUAL DIMENSIONS AND MEASUREMENTS INDICATED ON THE DRAWINGS UNLESS A SUBSTANTIAL ERROR HAS BEEN MADE. IF SUCH AN ERROR SHOULD OCCUR, IT SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S CONSTRUCTION MANAGER AND RESOLVED BEFORE PROCEEDING WITH WORK.
- 3.5 THE ORGANIZATION OF SPECIFICATIONS INTO DIVISIONS, SECTIONS AND PARAGRAPHS, AND THE ARRANGEMENT OF THE DRAWINGS ARE NOT INTENDED TO CONTROL THE CONTRACTOR IN DIVIDING THE WORK AMONG SUBCONTRACTORS OR IN THE ESTABLISHING THE EXTENT OF WORK TO BE PERFORMED BY ANY TRADE.
- 3.6 DRAWINGS AND SPECIFICATIONS: DRAWINGS INDICATE GENERAL DESIGN AND ARRANGEMENTS DRAWINGS ARE DIAGRAMMATIC AND ARE NOT SCALED FOR DIMENSIONS. TAKE ALL DIMENSIONS FROM ARCHITECTURAL PLANS AND EQUIPMENT TO BE FURNISHED. VERIFY DIMENSIONS IN THE FIELD.

PART 4 - RESPONSIBILITY OF THE CONTRACTOR

- 4.1 CONTRACTOR HEREBY DECLARES HE HAS READ ALL SPECIFICATIONS AND EXAMINED THE DRAWINGS AND THAT HE UNDERSTANDS ALL CONDITIONS.
- 4.2 CONTRACTOR HEREBY DECLARES HE HAS VISITED THE SITE AND IS FAMILIAR WITH THE CONDITIONS AFFECTING THE WORK. NO ALLOWANCES SHALL BE MADE SUBSEQUENTLY ON BEHALF OF THE CONTRACTOR FOR ANY ERROR NEGLIGENCE ON HIS PART. IF IN THE PERFORMANCE OF THE CONTRACT, LATENT CONDITIONS AT THE SITE ARE FOUND TO BE MATERIALLY DIFFERENT FROM THOSE INDICATED BY THE DRAWINGS AND SPECIFICATIONS, OR UNKNOWN CONDITIONS UNUSUALLY INHERENT IN WORK OF THIS CHARACTER SHOWN AND SPECIFIED, THE ATTENTION OF THE OWNER'S CONSTRUCTION MANAGER SHALL BE CALLED IMMEDIATELY TO SUCH CONDITIONS BEFORE THEY ARE DISTURBED.
- 4.3 CONTRACTOR HEREBY DECLARES THAT HE HAS READ AND IS FAMILIAR WITH THE APPLICABLE SOILS REPORT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR STRICTLY ADHERING TO THE RECOMMENDATIONS OF SAID SOILS REPORT FOLLOWING ALL APPLICABLE PROCEDURES NOTED THEREIN. EXISTING WATER TABLE SHALL POSSIBLY DETERMINE A DIFFERENT UTILIZATION OF THE TANK STRAPS AND TYPE OF BACK FILL MATERIAL. SHOULD GROUND WATER OR CONTAMINATION BE DISCOVERED DURING TANK EXCAVATION, WORK SHALL BE SUSPENDED PENDING REVIEW BY 7-ELEVEN CONSTRUCTION MANAGER.
- 4.4 CONTRACTOR SHALL REPORT ANY OBJECTION TO MATERIALS, APPLIANCES, OR METHODS OF CONSTRUCTION SHOWN OR SPECIFIED TO THE OWNER'S CONSTRUCTION MANAGER AND OBTAIN A DECISION BEFORE PROCEEDING.
- 4.5 PROPOSALS: CONTRACTOR SHALL SUBMIT BID ONLY ON 7-ELEVEN'S FORM THAT WILL BE PROVIDED BY 7-ELEVEN'S LOCAL CONSTRUCTION MANAGER. "COST OF CONSTRUCTION" PROPOSALS SUBMITTED ON ANY OTHER FORM SHALL BE REJECTED AND RETURNED. PROPOSALS NOT COMPLETELY AND PROPERLY FILLED OUT SHALL BE REJECTED. PROPOSALS SHALL INCLUDE MONEYS FOR REMOVAL OF ALL EXISTING IMPROVEMENTS AS REQUIRED FOR GASOLINE INSTALLATION.
- 4.6 PERMITS: CONTRACTOR SHALL, AS DIRECTED BY 7-ELEVEN, PAY FOR ALL APPLICABLE PERMITS AND AND FEES. COPIES OF PERMITS AND CERTIFICATES SHALL BE FORWARDED TO LOCAL 7-ELEVEN CONSTRUCTION MANAGER'S OFFICE OR SITE MANAGER PRIOR TO COMMENCEMENT OF WORK. FINAL CERTIFICATION OF ACCEPTANCE BY GOVERNING AUTHORITIES SHALL ALSO BE ON FILE WITH LOCAL CONSTRUCTION OFFICE OR SITE MANAGER PRIOR TO THE PROCESSING OF FINAL PAYMENT REQUEST.
- 4.7 INSPECTIONS: CONTRACTOR SHALL BE REQUIRED TO ADHERE TO ALL REQUIREMENTS OF OWNER'S INSPECTION PROGRAM. CONTRACTOR SHALL COMPLY WITH REQUIREMENTS FOR NOTIFICATION, SITE PREPARATION REQUIREMENTS, COMPLIANCE, ON-SITE PRESENCE DURING INSPECTION AND CORRECTION OF ANY DEFECTS OR RELATED PROBLEMS AS DIRECTED BY INSPECTING REPRESENTATIVE. CONTRACTOR SHALL PROVIDE NO LESS THAN 48 HOURS NOTICE PRIOR TO INSPECTION.
- 4.8 COORDINATION: FUEL CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING ALL PHASES OF THE GASOLINE INSTALLATION WITH THE GENERAL CONTRACTOR IN CHARGE OF THE BUILDING OR MAJOR PORTION OF THE PROJECT. THE BUILDING GENERAL CONTRACTOR AND THE FUEL CONTRACTOR SHALL JOINTLY DEVELOP A MUTUALLY AGREEABLE SCHEDULE AND TIMETABLE FOR COMPLETION ON THE GASOLINE INSTALLATION. TIMETABLE FOR BUILDING AND GASOLINE SHALL COINCIDE AND COMPLIMENT EACH OTHER SO THAT ONE DOES NOT DELAY THE OTHER.

SHOULD FUEL CONTRACTOR FAIL TO MEET DEADLINES AS ESTABLISHED BY THE SCHEDULE AND/OR HOLD UP THE COMPLETION OF THE OVERALL BUILDING PROJECT, 7-ELEVEN, INC. RESERVES THE RIGHT TO RECTIFY THE SITUATION ACCORDINGLY.

- 4.9 CONTRACTOR SHALL PROVIDE OWNER WRITTEN CERTIFICATION AS TO THE FOLLOWING:
- 4.9.1 CERTIFICATION FROM PROVINCIAL AND LOCAL GOVERNING AUTHORITIES AS APPLICABLE FOR CONTRACTOR CERTIFICATION/LICENSING FOR INSTALLATION OF GASOLINE STORAGE TANK SYSTEM.
- 4.9.2 CERTIFICATION FROM EQUIPMENT MANUFACTURES AND SUPPLIERS (TANKS, PRODUCT LINES, ATG'S, ETC.) AS TO ATTENDING AND ACHIEVING CERTIFICATION FROM APPROPRIATE COMPANY FOR INSTALLATION OF EQUIPMENT.
- 4.9.3 CERTIFICATION ON APPROPRIATE FORMAT AS TO INSTALLATION OF COMPLETE SYSTEM BEING PERFORMED IN COMPLIANCE WITH ALL PROVINCIAL, LOCAL AND FEDERAL LAWS AND REGULATIONS.
- 4.9.4 CERTIFICATION THAT ALL EQUIPMENT EITHER SUPPLIED BY OWNER OR CONTRACTOR HAS BEEN INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS BY PERSONNEL TRAINED AND QUALIFIED FOR THAT SPECIFIC ITEM.

SECTION I GENERAL CONDITIONS - CONTINUED

PART 4 - CONTINUED

- 4.11 LIENS: CONTRACTOR SHALL PERMIT NO LIENS OF ANY KIND TO BE FIXED UPON OR AGAINST THE PROPERTY BY ITS SUBCONTRACTORS AND LABORERS, MECHANICS OR MATERIAL MEN, AND SHALL INDEMNIFY, PROTECT AND SAVE OWNER HARMLESS FROM AND AGAINST ALL SUCH CLAIMS AND LIENS.
- 4.12 EQUIPMENT RESPONSIBILITY: CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING, RECEIVING, UNLOADING, HANDLING AND PROVIDING PROTECTED INSIDE STORAGE FOR ALL OWNER SUPPLIED EQUIPMENT AND MATERIAL. CONTRACTOR SHALL INSPECT EQUIPMENT UPON RECEIPT AND IMMEDIATELY REPORT ANY DAMAGE DUE TO SHIPPING TO THE OWNER'S REPRESENTATIVE. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE DUE TO FAILURE TO COMPLY WITH THESE REQUIREMENTS. DISPENSERS SHALL BE PROTECTED WITH SHIPPING BOXES UNTIL STORE IS TURNED OVER FOR OPENING. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ADEQUATE AND LOCKED STORAGE OF OWNERS' MISCELLANEOUS EQUIPMENT, TO INCLUDE GASOLINE CONSOLE, PRIOR TO OPENING OF THE STORE.
- 4.13 FUEL CONTRACTOR SHALL BE RESPONSIBLE FOR FILING OF RECEIVING FORMS AND MISCELLANEOUS CONFIRMATION OF EQUIPMENT RECEIVING INFORMATION AS REQUIRED BY LOCAL CONSTRUCTION OFFICE.
- 4.14 FUEL CONTRACTOR SHALL PROVIDE ALL PIPING, WIRING, MATERIAL AND LABOR AS REQUIRED TO INSTALL OWNER SUPPLIED EQUIPMENT. INCLUDE MONEY IN BID PROPOSAL FOR INSTALLATION OF OWNER SUPPLIED EQUIPMENT UNLESS NOTED OTHERWISE.

PART 5 - PROTECTION

- 5.1 CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY LOSS OR DAMAGE CAUSED BY HIM OR HIS WORKMEN TO THE PROPERTY OR EQUIPMENT OF THE OWNER, OR TO THE WORK OR MATERIALS OF OTHER CONTRACTORS. CONTRACTOR SHALL MAKE GOOD ANY LOSS, DAMAGE OR INJURY WITHOUT COST TO OWNER FOR SUCH LOSS OR DAMAGE.
- 5.2 CONTRACTOR SHALL PROVIDE AND MAINTAIN SUITABLE TEMPORARY SIDEWALKS, FENCES, LIGHTS, SIGNS OR OTHER STRUCTURES AND DEVICES AS REQUIRED BY LAW, DO NOT OBSTRUCT OR INTERFERE WITH TRAFFIC IN PUBLIC STREETS, ALLEYS OR PRIVATE RIGHT-OF-WAYS. IF WORK IS SUSPENDED, KEEP ALL ROADWAYS AND SIDEWALKS IN PROPER CONDITION AND PUT AND LEAVE THEM IN PROPER CONDITION AT TERMINATION OF WORK.
- 5.3 CONTRACTOR SHALL SEND PROPER NOTICES, MAKE NECESSARY ARRANGEMENTS AND PERFORM ALL WORK REQUIRED FOR THE CARE, PROTECTION AND MAINTENANCE OF PUBLIC UTILITIES ON AND AROUND THE BUILDING SITE, ASSUMING ALL RESPONSIBILITY AND PAYING ALL COSTS FOR WHICH THE OWNER MAY BE LIABLE. CONTRACTOR HEREBY DECLARES HE HAS VERIFIED THE LOCATIONS OF THE EXISTING UNDERGROUND UTILITIES ON SITE PRIOR TO THE START OF WORK. CONTRACTOR HEREBY AGREES TO MAKE ARRANGEMENTS FOR AND TO PAY ALL CHARGES IN CONNECTION WITH THE RELOCATION'S OF EXISTING UTILITIES AS REQUIRED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL UTILITY EASEMENTS, HOOKUP CHARGES, TAP FEES & SYSTEM DEVELOPMENT FEES OR BONDS AS NECESSARY FOR COMPLETION OF THIS PROJECT.
- 5.4 IF ALL OR PART OF THE WORK IS SUSPENDED FOR ANY REASON, CONTRACTOR SHALL PROPERLY COVER OVER, SECURE AND PROTECT ANY PORTION LIABLE TO SUSTAIN INJURY FROM ANY CAUSE.
- 5.5 PRODUCT PROTECTION: CONTRACTOR SHALL PROVIDE ADEQUATE AND SECURE PROTECTION OF PRODUCT IN TANKS UPON DELIVERY UNTIL TURNED OVER FOR OPERATION. ALL FILL, VENT AND GAUGING CAPS AND/OR OPENINGS SHALL BE SECURED AND PADLOCKED TO PREVENT VANDALISM OR THEFT.

PART 6 - SUBSTITUTION OF MATERIALS

- 6.1 MATERIALS AS SPECIFIED REPRESENT REQUIRED STANDARDS. SUBSTITUTION MAY BE PROPOSED IN WRITING WITH ADEQUATE SUPPORTING DATA FURNISHED. USE OF SUBSTITUTE MATERIALS IS DEPENDENT ON RECEIPT OF WRITTEN APPROVAL FROM OWNER'S APPROVED REPRESENTATIVE.

PART 7 - COMPLETION OF CONTRACT

- 7.1 THE CONTRACT SHALL BE CONSIDERED FULFILLED, SAVE AS PROVIDED IN ANY MAINTENANCE STIPULATIONS, BOND OR BY LAW, WHEN ALL THE WORK HAS BEEN COMPLETED WITH FINAL INSPECTION AND ACCEPTANCE MADE BY ALL APPLICABLE PROVINCIAL AND LOCAL GOVERNING BUILDING DEPARTMENTS, FIRE MARSHAL'S OR OTHER JURISDICTIONS.
- 7.2 NOT USED
- 7.3 CLEANING:
- 7.3.1 ALL WORK SHALL BE CLEAN AND READY FOR USE UPON COMPLETION. REMOVE TEMPORARY TAPES, WRAPPING, COATING, PAPER LABELS AND OTHER ITEMS.
- 7.3.2 CLEANING METHODS FOR PROPRIETARY MATERIALS SHALL BE IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. CLEANING SOLUTIONS, AGENTS, SOLVENTS, WAXES OR OTHER MATERIALS SHALL BE ONLY AS APPROVED BY THE MANUFACTURER OF THE MATERIAL INSTALLED IN THE WORK.
- 7.3.3 CLEANUP: CONTRACTOR SHALL CLEAN UP ALL DEBRIS CAUSED BY THE WORK OF THIS SECTION, KEEPING THE PREMISES NEAT AT ALL TIMES.

PART 8 - CODES

- 8.1 THE FOLLOWING CODES ARE MADE A PART OF THIS SPECIFICATION. SAID CODES SHALL DICTATE MINIMAL ACCEPTABLE STANDARDS. CODE SHALL BE ADHERED TO UNLESS PROVINCIAL AND LOCAL GOVERNING AUTHORITIES DICTATE HIGHER OR MORE STRINGENT REQUIREMENTS WHICH SHALL TAKE PRECEDENCE:
- 8.1.1 NFPA 30 FLAMMABLE AND COMBUSTIBLE LIQUIDS CODE
- 8.1.2 PEI MANUAL "RECOMMENDED PRACTICES FOR INSTALLATION OF UNDERGROUND LIQUID STORAGE SYSTEMS." #RP-100-96 (OR LATEST EDITION)
- 8.1.3 CCOSH AND LOCAL MUNICIPALITIES

PART 9 - WARRANTY / GUARANTEE

- 9.1 EXCEPT WHERE SPECIAL GUARANTEES ARE REQUIRED IN EXCESS OF ONE (1) YEAR, THE CONTRACTOR AGREES TO REPAIR AND RE-CERTIFY OR REPLACE THE DEFECTIVE COMPONENT OR ANY DEFECT IN MATERIAL OR WORKMANSHIP (BEYOND ORDINARY WEAR AND TEAR) TO THE SATISFACTION OF THE OWNERS' CONSTRUCTION MANAGER FOR A PERIOD OF ONE (1) YEAR AFTER DATE OF ACCEPTANCE, WHETHER IN HIS WORK OR IN THAT OF SUBCONTRACTORS, WITHOUT COST TO THE OWNER.
- 9.2 ALL PAVING WILL HAVE A TWO YEAR WARRANTY.

PART 10 - AS BUILT PLAN AND DOCUMENTATION

- 10.1 UPON COMPLETION OF PROJECT, CONTRACTOR SHALL PROVIDE "AS-BUILT SITE PLAN" VERIFYING FINAL LOCATION OF IMPROVEMENTS INCLUDING, BUT NOT LIMITED TO, PIPING, PLUMBING AND ELECTRICAL.
- 10.2 CONTRACTOR SHALL KEEP PHOTOGRAPHIC JOURNAL OF ALL PHASES OF THE COMPLETE INSTALLATION. PHOTOGRAPHS ARE TO BE PROPERLY DATED, IDENTIFIED AND FORWARDED TO LOCAL 7-ELEVEN, INC. CONSTRUCTION OFFICE, WITH FINAL INVOICE PACKAGE.

SECTION II INSPECTIONS / TESTING

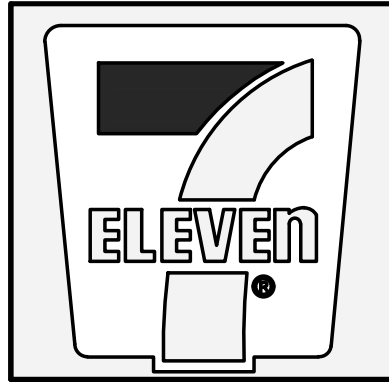
TEST BEFORE PLACING THE SYSTEM IN SERVICE			
COMPONENT	MANUFACTURER		
DOUBLE-WALLED STORAGE TANK	XERXES "A ZCL COMPANY"	INSTALLATION MANUAL	http://www.zcl.com/assets/documents/library/75309%20-%20img%20tanks%20mfg%20candadian%20final.pdf
		TESTING PROCEDURE	http://www.zcl.com/assets/documents/library/75309%20-%20img%20tanks%20mfg%20candadian%20final.pdf
DOUBLE-WALLED PIPING	NOV	INSTALLATION MANUAL	http://www.nov.com/Segments/Completion_and_Production_Solutions/Fiber_Glass_Systems/Fuel_Handling/Red_Thread_IIA.aspx
		TESTING PROCEDURE	http://www.nov.com/docHandler.aspx?puid=I2bNZwjC3oL35C
LEAK DETECTION SENSOR	VEEDER ROOT	INSTALLATION MANUAL	http://www.veeder.com/gold/download.cfm?doc_id=463
		TESTING PROCEDURE	http://www.veeder.com/gold/download.cfm?doc_id=463
AUTOMATIC TANK GUAGES	VEEDER ROOT	INSTALLATION MANUAL	http://www.veeder.com/us/tls-350-automatic-tank-gauging
		TESTING PROCEDURE	http://www.veeder.com/us/tls-350-automatic-tank-gauging
OVERFILL PREVENTION DEVICES	OPW	INSTALLATION MANUAL	http://www.opwglobal.com/docs/libraries/manuals/retail-fueli ng/below-ground/opw-fcs-manuals/71so-testable-(h15524pa)-1-30-14.pdf?sfvrsn=4
		TESTING PROCEDURE	http://www.opwglobal.com/docs/libraries/manuals/retail-fueli ng/below-ground/opw-fcs-manuals/71so-testable-(h15524pa)-1-30-14.pdf?sfvrsn=4
SPILL-CONTAINMENT MANHOLES	OPW	INSTALLATION MANUAL	http://www.opwglobal.com/docs/libraries/manuals/retail-fueli ng/below-ground/opw-fcs-manuals/1-3100_EDGE_Thread-On_Spill_Installation_Inst_202181_2-13-13_G.pdf?Status=Master&sfvrsn=0
		TESTING PROCEDURE	http://www.opwglobal.com/docs/libraries/manuals/retail-fueli ng/below-ground/opw-fcs-manuals/Double_Wall_Spill_Contain er_Vac_Test_Installation_Instructions_-_English_202383.pdf?Stat us=Master&sfvrsn=0
IMPACT VALVES	OPW	INSTALLATION MANUAL	http://www.opwglobal.com/docs/libraries/manuals/retail-fueli ng/below-ground/opw-fcs-manuals/10_Series_Emergency_She ar_Valve_Installation_Instructions_-_English_H11374PA.pdf?Stat us=Master&sfvrsn=0
		TESTING PROCEDURE	http://www.opwglobal.com/docs/libraries/manuals/retail-fueli ng/below-ground/opw-fcs-manuals/10_Series_Emergency_She ar_Valve_Installation_Instructions_-_English_H11374PA.pdf?Stat us=Master&sfvrsn=0
MECHANICAL LINE LEAK DETECTORS	VAPORLESS MANUFACTURING	INSTALLATION MANUAL	http://www.vaporless.com/installation/installpdf/install_id2000.pdf
		TESTING PROCEDURE	http://www.vaporless.com/installation/installpdf/install_id2000.pdf
ELECTRONIC LINE LEAK DETECTORS	VEEDER ROOT	INSTALLATION MANUAL	http://www.veeder.com/gold/download.cfm?doc_id=6414
		TESTING PROCEDURE	http://www.veeder.com/gold/download.cfm?doc_id=6414

PART 1 - GENERAL

- 1.1 SCOPE: THIS SECTION COVERS THE FURNISHING OF ALL LABOR, SERVICES AND EQUIPMENT AS REQUIRED TO PROVIDE INSPECTION SERVICES OF THE FUEL INSTALLATION.

PART 2 - INSPECTIONS

- 2.1 INSPECTOR: 7-ELEVEN, INC. LOCAL CONSTRUCTION DEPARTMENT AND/OR APPOINTED REPRESENTATIVE SHOULD BE NOTIFIED TO OBSERVE TIGHTNESS TESTING OF PRODUCT PIPING, STAGE I & STAGE II PIPING PRIOR TO BACKFILL.
- 2.2 NOTIFICATION: CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING 7-ELEVEN'S CONSTRUCTION DEPARTMENT A MIN OF 48 HOURS PRIOR TO REQUESTED INSPECTION
- 2.3 SPILLAGE: SHOULD SPILLAGE OF PRODUCT OCCUR AT ANY PHASE OF INSTALLATION OR TESTING, LOCAL 7-ELEVEN CONSTRUCTION DEPARTMENT AND ENVIRONMENTAL DEPARTMENT ARE TO BE NOTIFIED IMMEDIATELY, ESTIMATED LOSS OF PRODUCT AS WELL AS ACTION TO BE TAKEN BY CONTRACTOR TO SAFEGUARD THE EVENT FROM FURTHER MISHAP AND TO PROTECT THE GENERAL PUBLIC IS TO BE NOTED AND RECORDED.
- 2.4 REPRESENTATIVE OF CONTRACTOR AND FUEL PIPING SUBCONTRACTOR SHALL BE AVAILABLE ON SITE DURING TESTING PROGRAMS. FAILURE TO COMPLY WITH THIS REQUIREMENT WILL RESULT IN ANY CORRECTIONS AND/OR REPAIRS REQUIRED BEING PERFORMED BY OWNER AS REQUIRED. COST OF SAID REPAIRS AND/OR CONNECTIONS SHALL BE DEDUCTED FROM CONTRACT AMOUNT AS REQUIRED TO SATISFY THE SITUATION.
- 2.5 PROHIBITED WORK: CONTRACTOR SHALL SCHEDULE WORK SUCH THAT NO HEAVY EQUIPMENT IS OPERATING ON SITE DURING INSPECTION PROGRAMS. NO WELDING OR OPEN FLAMES SHALL BE ALLOWED ON SITE AT ANY TIME DURING TEST PROCEDURES.
- 2.6 INSTALLATION REPORTS: SHOULD 7-ELEVEN OR THEIR APPOINTED REPRESENTATIVES BE UNABLE TO BE PRESENT AT SITE FOR PURPOSES OF FILING ANY INSPECTION REPORTS, CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE INSPECTION AND FILING OF REPORT WITH LOCAL 7-ELEVEN, INC. CONSTRUCTION OFFICE. WRITTEN REPORT SHALL INCLUDE PHOTOGRAPHIC DOCUMENTATION OF ALL PROCEDURES AND ANY EQUIPMENT MANUFACTURER REQUIRED INSTALLATION CHECKLIST COMPLETED.
- 2.7 TEST FAILURE: SHOULD SYSTEM FAIL ANY PORTION OF TEST PROGRAM, CONTRACTOR SHALL IMMEDIATELY INSTIGATE PROCEDURES AS REQUIRED TO BRING SYSTEM INTO COMPLIANCE SHOULD FAILURE OF TEST DUE TO FACILITY WORK REQUIRE EXPENDITURE OF ADDITIONAL MONIES FOR RESCHEDULING AND/OR RETESTING OF SYSTEM, CONTRACTOR SHALL BE HELD RESPONSIBLE FOR COMPENSATION ACCORDINGLY.
- 2.8 CLEANUP: IN THE EVENT PRODUCT SPILLAGE SHOULD OCCUR DURING CONSTRUCTION OR DURING WARRANTY PERIOD DUE TO WORK PERFORMED BY CONTRACTOR, CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP AS MAY BE REQUIRED.
- 2.9 TEST REPORT: UPON COMPLETION OF TESTING PROGRAMS, REPRESENTATIVE OF TESTING/ INSPECTION COMPANY SHALL BE RESPONSIBLE FOR FILING COPIES OF TANK AND PIPING TEST/INSPECTION REPORTS WITH LOCAL 7-ELEVEN, INC. CONSTRUCTION OFFICE OR THE OWNER'S ASSIGNED SITE MANAGER WITH COPY TO JOB SITE.

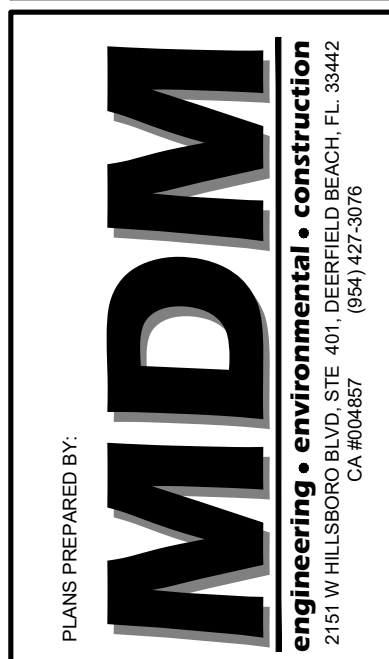


FUELING SPECIFICATIONS

THE OSCAR W LARSON COMPANY
SHOPS AT INDIAN TRAILS A.K.A. COCONUT CROSSING
SWC NORTHLAKE BLVD & COCONUT BLVD.
PALM BEACH GARDENS, FLORIDA 33412

DATE	NO.:	REVISION:	BY:

SCALE: AS SHOWN	DATE: 06-08-2025	PROPOSED GRADES BY:
DRAWN BY: LAR		
CHECKED BY:		
APPROVED BY:		
Do Not Scale-Use Dimensions Only * To the best of my knowledge, the plans and specifications are true and correct, and I am not aware of any errors or omissions in the drawings or specifications of the applicable building system, no warranty is expressed or implied in hereby given. ...		



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY DAMIAN D. LESLIE, P.E. 2/15/19 WILLIAMSBURG, VIRGINIA 23182
THIS DOCUMENT IS NOT CONSIDERED SIGNED AND SEALED UNTIL IT IS SIGNED AND SEALED BY THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

DAIMIAN D. LESLIE, P.E.
FL REG # 73113

JOB # 25338

DWG # G13

PERFORMANCE SPECIFICATION - CONT.

SECTION II INSPECTIONS / TESTING - CONTINUED

PART 3 - TANK INSTALLATION INSPECTION

- 3.1

SCHEDULE: CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING SCHEDULE SO TANKS ARE TESTED AND SET IN TANK HOLE SAME DAY OF DELIVERY.
- 3.2

EXCAVATION: ALL EXCAVATIONS SHALL BE COMPLETED WITH BEDDING MATERIAL IN PLACE AND READY FOR INSTALLATION PRIOR TO TANK DELIVERY.
- 3.3

ANCHORING: CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE INSTALLATION OF CONCRETE ANCHORS (DEAD MAN).
- 3.4

STRAPS: HOLD DOWN STRAPS TO BE INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS - MINIMUM OF 4 - MORE IF REQUIRED BY MANUFACTURER (STRAPS SHALL BE SHIPPED WITH APPROPRIATE PADDING MATERIAL..
- 3.5

AIR TEST: TANKS SHALL BE AIR TESTED AS PER MANUFACTURER'S SPECIFICATIONS PRIOR TO PLACEMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MATERIALS TO PROVIDE COMPLETE AIR TEST INCLUDING, BUT NOT LIMITED TO, AIR COMPRESSOR OF SUFFICIENT SIZE AND CAPACITY, SPECIFIED SOAP MATERIAL AND ACCEPTABLE SOAP APPLICATION EQUIPMENT.
- 3.6

MINIMUM TESTING: DOUBLE WALL FIBERGLASS TANKS SHOULD ARRIVE AT THE JOB SITE WITH A MINIMUM OF 4" HG ON THE INTERSTICE. OBSERVE THE VACUUM HOLD TEST FOR AT LEAST ONE (1) HOUR PRIOR TO SETTING THE TANKS. SHOULD THE INTERSTICE NOT HOLD A MINIMUM 4" HG VACUUM, THEN CONTACT THE TANK MANUFACTURER IMMEDIATELY.
- 3.7

OBSERVATION: 7-ELEVEN'S CONSTRUCTION DEPARTMENT AND/OR REPRESENTATIVE SHALL BE RESPONSIBLE FOR INSPECTION OF AIR OR VACUUM TEST, OBSERVATION OF LIFTING, SETTING AND BURIAL OF TANKS.
- 3.8

TANK INSPECTION REPORT: WRITTEN REPORT SHALL INCLUDE PHOTOGRAPHIC DOCUMENTATION OF ALL PROCEDURES.

PART 4 - TANK AND LINE TESTING

- 4.1

CONTRACTOR SHALL COMPLETE AND BE RESPONSIBLE FOR THE FOLLOWING PRIOR TO FINAL PLACEMENT OF CONCRETE AND FINAL SYSTEM TEST:
- 4.1.1

PIPING: ALL PIPING SHALL BE COMPLETED EXCEPT INSTALLATION OF OVERFILL PROTECTION. OVERFILL PROTECTION SHALL BE INSTALLED UPON COMPLETION OF TEST.
- 4.1.2

VENTS: VENT LINES SHALL BE COMPLETED UNDERGROUND AND STUBBED UP MINIMUM OF 12" ABOVE FINISHED GRADE.
- 4.1.3

PRODUCT LINES: ALL PRODUCT LINES SHALL BE COMPLETE WITH EMERGENCY SHUTOFF IMPACT VALVE INSTALLED AT DISPENSER BOX WITH MECHANICAL LEAK DETECTOR IN PLACE.
- 4.1.4

PUMPS: SUBMERSIBLE PUMPS AND LINES SHALL BE COMPLETELY INSTALLED.
- 4.1.6

SITE PREPARATION: CONTRACTOR SHALL PREPARE TANK AREA FOR WATER OR PRODUCT DELIVERY AND TANK TESTING PROCEDURES.
- 4.1.7

FILL: CONTRACTOR SHALL PROVIDE 42" MINIMUM BACK FILL OVER TANKS.
- 4.1.8

WATER: SHOULD WATER BE PRESENT IN TANK HOLE, CONTRACTOR SHALL VERIFY AND NOTIFY 7-ELEVEN CONSTRUCTION MANAGER OF STATUS.
- 4.2

AFTER PLACEMENT OF CONCRETE, A COMPLETE SYSTEM TIGHTNESS TEST AND PRECISION TEST INCLUDING TANKS, PRODUCT LINES, SECONDARY CONTAINMENT PIPING AND VENT LINES SHALL BE PERFORMED. TESTING SYSTEM SHALL BE AS APPROVED BY 7-ELEVEN. 7-ELEVEN WILL BE BILLED DIRECTLY FOR TESTS. CONTRACTOR TO COORDINATE & SCHEDULE. RETEST OR STAND AROUND TIME BY THE TESTING COMPANY TO BE BILLED TO CONTRACTOR.
- 4.2.1

AFTER ALL UNDERGROUND PIPING AND ELECTRIC CONDUITS ARE INSTALLED AND DURING EXCAVATION BACKFILLING AND CONCRETE POURING, A CONTINUOUS HYDROSTATIC TEST SHALL BE PERFORMED ON ALL SUMPS & SPILL BUCKETS TO ENSURE TIGHTNESS AND PROPER INSTALLATION.
- 4.3

PRODUCT DELIVERY: CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFICATION TO 7-ELEVEN REPRESENTATIVE OF TEST DATE AND VERIFICATION OF NEED FOR TANKS TO BE FILLED WITH PRODUCT AND TANK MONITORING SYSTEM TO BE OPERATIONAL FOR TESTING PROCEDURES. A MINIMUM OF 72 HOURS ADVANCE NOTIFICATION WILL BE REQUIRED FOR PRODUCT DELIVERY. CHECK WITH LOCAL AND PROVINCIAL REGULATORY AGENCIES FOR ANY FURTHER REQUIREMENTS.
- 4.4

CONTRACTOR SHALL HAVE REPRESENTATIVES ON SITE TO ACCEPT AND RECORD ALL PRODUCT DELIVERIES. CONTRACTOR'S REPRESENTATIVE SHALL REMIND DELIVERY COMPANY THAT NO OVERFILL PROTECTION IS INSTALLED AND TO FOLLOW PROCEDURES FOR DELIVERY AS SITUATION DICTATES.
- 4.5

PRODUCT REMOVAL: ANY REMAINING PRODUCT IN VENT LINES UPON COMPLETION OF TEST SHALL BE REMOVED BY TESTING COMPANY.

PART 5 - STARTUP INSPECTION

- 5.1

SCHEDULING: CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL SCHEDULING STARTUP AND CHECK-OUT. CONTRACTOR SHALL NOTIFY LOCAL CONSTRUCTION DEPARTMENT AND APPLICABLE MAINTENANCE DEPARTMENT OFFICE A MINIMUM OF 48 HOURS PRIOR TO INTENDED FINAL STARTUP AND CHECK-OUT DATE AND TIME.
- 5.2

PERSONNEL: CONTRACTOR, FUEL SUBCONTRACTOR AND FUEL ELECTRICAL SUBCONTRACTOR SHALL BE AVAILABLE ON-SITE DURING STARTUP, AS APPROVED BY 7-ELEVEN, INC. ALL STARTUPS ARE TO BE DONE BY AN AUTHORIZED MANUFACTURER'S CONTRACTOR FOR THAT PIECE OF EQUIPMENT.
- 5.3

STARTUP: PHYSICAL STARTUP AND CHECK-OUT OF SYSTEMS AND EQUIPMENT SHALL BE DONE BY AND AT THE DIRECTION OF 7-ELEVEN REPRESENTATIVE ONLY. CONTRACTOR SHALL NOT START OR ACTIVATE ANY EQUIPMENT WITHOUT THE SPECIFIC DIRECTIVE OF 7-ELEVEN REPRESENTATIVE. DAMAGE TO ANY 7-ELEVEN EQUIPMENT DUE TO IMPROPER INSTALLATION AND/OR UNAUTHORIZED STARTUP WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 5.4

SITE COMPLETION: ALL SITE WORK, INCLUDING CONCRETE/ASPHALT PAVEMENTS, SHALL BE COMPLETE. ALL UTILITIES SHALL BE CONNECTED AND OPERATIONAL. ALL LANDSCAPING, INCLUDING SPRINKLER SYSTEMS, SHALL BE COMPLETE.
- 5.5

VERIFICATION: PRIOR TO SCHEDULING OF STARTUP, CONTRACTOR SHALL OBSERVE AND VERIFY CORRECTNESS AND COMPLIANCE TO 7-ELEVEN'S DRAWINGS AND SPECIFICATIONS FOR THE FOLLOWING, BUT THESE SHALL NOT COMPRISE THE TOTAL LIMIT OF THE CONTRACTOR'S VERIFICATION:
- 5.5.1

MAN WELLS SHALL BE PROPERLY CENTER/INSTALLED AT OVERFILLS, SUBMERSIBLES, VAPOR RECOVERY, AUTO GAUGING, OBSERVATION WELLS AND SUMP/RISER.
- 5.5.2

PROPER HEIGHT OF GRAVEL BACK FILL AROUND SUMP/RISERS.
- 5.5.3

TANK I.D. MARKERS INSTALLED IN CONCRETE AT PROPER LOCATIONS.

SECTION II INSPECTIONS / TESTING - CONTINUED

PART 5 - STARTUP INSPECTION - CONTINUED

- 5.5.4

ALL BRASS GOODS AND FITTINGS PROPERLY INSTALLED, TIGHT AND SECURE.
- 5.5.5

LEAK DETECTORS INSTALLED.
- 5.5.6

PROTECTED FLEX LINES PROPERLY INSTALLED WITHOUT TWIST IN INSTALLATION.
- 5.5.7

MANHOLE EXTENDERS PROPERLY INSTALLED AND SCREWED IN FRAME OF MANHOLE SUMP/RISERS, PROPERLY SET AND SEALED TO TANK MAN WAY OR FITTINGS AND CLEANED OUT FREE OF DEBRIS AND CONCRETE.
- 5.5.8

TANKS CLEAN AND FREE OF WATER. PRIOR TO PRODUCT FILL, TANKS ARE TO BE CHECKED FOR ANY DEBRIS AND WATER. ANY EVIDENCE OF BOTH, TANKS ARE TO BE CLEANED AND WATER REMOVED.
- 5.5.9

ISLAND FORM INNER BOXES PROPERLY CLEANED OUT FREE OF DEBRIS AND CONCRETE.
- 5.5.10

DISPENSERS PROPERLY SET AND SECURED TO ISLAND BOX FRAME AND DISPENSER SUMPS PROPERLY CLEANED OUT FREE OF DEBRIS AND CONCRETE.
- 5.5.11

SHEAR VALVES SECURED TO FRAME WITH PROPER HARDWARE.
- 5.5.12

ELECTRICAL CONDUITS SECURED WITH ALL CONNECTIONS COMPLETED. VERIFY COMPLIANCE WITH REQUIREMENTS FOR ISOLATED GROUND WIRING TO JUNCTION BOX CASING.
- 5.5.13

DISPENSER CANOPIES INSTALLED AND LIFTING LUGS REMOVED WITH PROPER PLUGS INSERTED.
- 5.5.14

ALL NOZZLES AND SWIVELS AVAILABLE ON-SITE, INSTALLED PRIOR ONLY IF REQUIRED BY PROVINCIAL AND LOCAL AUTHORITIES FOR INSPECTION PURPOSES.
- 5.5.15

ALL INSPECTIONS BY PROVINCIAL AND LOCAL AUTHORITIES COMPLETED AND SIGNED. SIGNED AND COMPLETED PERMIT CARD ON SITE.
- 5.5.16

ELECTRICAL DEVICES INCLUDING LIGHTS, SIGNS AND INTERCOMS PROPERLY INSTALLED, SECURED AND PLUMB.
- 5.5.17

ANY WIRING INSPECTION PORTS IN CANOPY COLUMNS COVERED WITH ACCEPTABLE PLATES.
- 5.5.18

VENT LINES PROPERLY SECURED, PROTECTED AND INSTALLED AT PROPER HEIGHT
- 5.5.19

VERIFICATION OF COMPLIANCE FOR TANK AND LINE TEST AVAILABLE ON SITE.
- 5.5.20

ALL MANHOLES FREE OF CONCRETE AND DEBRIS.
- 5.5.21

MANHOLE COVERS PROPERLY PAINTED.
- 5.5.22

ALL PAINTING COMPLETE INCLUDING CANOPY, DOWN SPOUTS, METALS AND MISCELLANEOUS METALS.
- 5.5.23

CONCRETE AT ISLANDS AND TANK PAD TRUE, PROPERLY SLOPED AND FINISHED WITH ACCEPTABLE RISE TO MANHOLES.
- 5.5.24

ELECTRICAL PANELS PROPERLY COMPLETED TO INCLUDE:
- (A)

ONE BREAKER FOR EACH SUBMERSIBLE PUMP, DISPENSER, CONSOLE AUTO GAUGING, DISPENSER LIGHTS (ALL) AND CANOPY LIGHTS (ALL).
- (B)

GAS PANEL CONTROLLED BY A MAIN BREAKER.
- (C)

CONTROL BOXES AND DISTRIBUTION BOXES INSTALLED AND WIRED.
- (D)

INTERCOM INSTALLATION COMPLETE AND PROPERLY WORKING.
- (E)

ALL APPLICABLE CONSOLE INSTALLATION COMPLETE AND FUNCTIONAL.
- (F)

ALL WIRING PROPERLY IDENTIFIED WITH COLOR CODED WIRING.
- (G)

CONDUITS PROPERLY IDENTIFIED. (H) ALL BREAKERS IN "OFF" POSITION.
- 5.6

NOTIFICATION: CONTRACTOR SHALL VERIFY ITEMS AS INDICATED ABOVE PRIOR TO SCHEDULING OF STARTUP MONIES AND/OR TIME LOST AT STARTUP DUE TO NON- COMPLIANCE SHALL BE CHARGED TO CONTRACTOR ACCORDINGLY.
- 5.7

EQUIPMENT SHALL BE TESTED PER SPECIFICATIONS ON SHEET G17.
- 5.8

CLEANUP: CLEAN UP ALL DEBRIS CAUSED BY WORK OF THIS SECTION, KEEPING PREMISES CLEAN AND NEAT AT ALL TIMES.

SECTION III EARTHWORK

PART 1 - GENERAL

- 1.1

SCOPE: THIS SECTION COVERS THE FURNISHING OF ALL LABOR, MATERIALS, SERVICES, EQUIPMENT AND APPLIANCES REQUIRED IN CONJUNCTION WITH OR PROPERLY INCIDENTAL TO EARTHWORK.

PART 2 - PRODUCTS

- 2.1

FILL MATERIAL: SHALL BE MATERIAL IN COMPLIANCE WITH TANK AND PIPING MANUFACTURER'S SPECIFICATIONS.
- 2.1.1

PEA GRAVEL: SHALL BE CLEAN, NATURALLY ROUNDED AGGREGATE WITH A MIX OF PARTICLE SIZE NOT LESS THAN 1/8" OR MORE THAN 3/4".
- 2.1.2

STONE OR GRAVEL CRUSHING: SHALL BE WASHED MATERIAL WITH ANGULAR PARTICLE SIZE NOT LESS THAN 1/8" OR MORE THAN 1/2".
- 2.1.3

BACKFILL OR OTHER MATERIAL MUST BE APPROVED BY TANK MANUFACTURER.
- NOTE:

MATERIALS MUST MEET ASTM C-33 PARAGRAPH 7.1 FOR QUALITY AND SOUNDNESS. FILL MATERIAL SHALL NOT HAVE MORE THAN 3% PASSING A #8 SIEVE. DRY GRAVEL DENSITY MUST BE A MINIMUM OF 95 POUNDS PER CUBIC FOOT.

SECTION III EARTH WORK - CONTINUED

PART 3 - EXECUTION

- 3.1

PROTECTIONS: PROVIDE ADEQUATE SHORING, BRACING, PILING AND CRIBBING. COMPLY WITH ALL COHS, PROVINCIAL AND LOCAL REGULATIONS AS IT PERTAINS TO SAFETY.
- 3.2

LAYOUT: CONTRACTOR SHALL BE RESPONSIBLE FOR LAYOUT AS PRESENTED IN PERMITTED PLANS AND SPECIFICATIONS.
- 3.3

EXCAVATION: EXCAVATE TO LINES, ELEVATIONS AND LIMITS REQUIRED BY THE DRAWINGS, PLUS SUFFICIENT DISTANCE AND SPACE TO PERMIT INSTALLATION OF TANKS. EXCAVATE AS REQUIRED, REGARDLESS OF TYPE, CONDITION OR MOISTURE CONTENT OF THE MATERIAL ENCOUNTERED. HAUL EXCESS MATERIAL OFF THE SITE AND DISPOSE OF SAME. DIMENSIONS OF TANK EXCAVATION SHALL BE MINIMAL AS ESTABLISHED BY 7-ELEVEN DRAWINGS UNLESS TANK MANUFACTURER REQUIREMENTS ARE GREATER. IF EXCAVATION MATERIAL IS FROM AN EXISTING GASOLINE FACILITY ALL MATERIALS MUST BE TESTED PRIOR TO REMOVAL.
- 3.4

SAW CUTTING: IF PAVING MUST BE REMOVED, THE PERIMETER OF THE TANK EXCAVATION AND ALL TRENCHES SHALL BE CUT WITH A CONCRETE SAW. NOTE: PAVING TO BE CUT 2' BEYOND EDGES OF TANK EXCAVATION IN ALL DIRECTIONS IN ORDER TO GIVE PROPER SUPPORT TO NEW SLAB TO AVOID SETTILING.
- 3.5

HAZARDOUS MATERIAL: SHOULD ROCK, WATER OR OTHER HAZARDOUS MATERIALS NOT SHOWN ON SOILS TEST BE ENCOUNTERED, LOCAL CONSTRUCTION OFFICE SITE MANAGER SHALL BE IMMEDIATELY CONTACTED FOR APPROVAL TO PROCEED.
- 3.6

PROTECTION: CONTRACTOR SHALL PROVIDE SUFFICIENT PROTECTION WITH EARTHEN BERMS AT ALL TIMES TO PROTECT TANK EXCAVATION AND TRENCHES FROM DRAINAGE OF SURFACE WATERS. EXCAVATIONS SHALL BE PROPERLY MARKED, PROTECTED AND BARRICADED FOR SAFETY UNTIL BACK FILL IS COMPLETE AND SURFACING FINISHED.
- 3.7

SHORING: CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING REQUIREMENTS FOR SHORING AND PROVIDING SAME SHOULD SITE AND/OR SOIL CONDITIONS WARRANT SAME. REFERENCE SOIL REPORT FOR CONDITIONS WARRANTING SPECIAL REQUIREMENTS.
- 3.8

FILLING AND BACK FILLING: PLACE APPROVED FILL MATERIAL IN STRICT ACCORDANCE WITH TANK AND PIPING MANUFACTURER'S SPECIFICATIONS. PROVIDE A 12" BED OF APPROVED BACK FILL OVER BOTTOM OF EXCAVATION PRIOR TO TANK PLACEMENT. BACK FILL SHALL BE PLACED AND COMPACTED IN MAXIMUM 12" LIFTS.
- 3.9

CLEANUP: CLEAN UP ALL DEBRIS CAUSED BY WORK OF THIS SECTION, KEEPING PREMISES CLEAN AND NEAT AT ALL TIMES.

SECTION IV TANK INSTALLATION

PART 1 - GENERAL

- 1.1

SCOPE: THIS SECTION COVERS THE FURNISHING OF ALL LABOR, MATERIALS, SERVICES, EQUIPMENT AND RELATED APPLIANCES REQUIRED IN CONJUNCTION WITH OR PROPERLY INCIDENTAL TO THE INSTALLATION OF GASOLINE STORAGE TANKS.

PART 2 - PRODUCTS

- 2.1

TANKS: SHALL BE DESIGNED AND MANUFACTURED SO AS TO BE CORROSION PROTECTED PER EPA REQUIREMENTS. APPROVED TANKS SHALL BE:
- 2.1.1

DOUBLE WALL FIBERGLASS TANKS
- 2.2

HOLD DOWN STRAPS: SHALL BE SUPPLIED BY TANK MANUFACTURER ONLY. FIELD FABRICATED UNITS ARE NOT ACCEPTABLE.

PART 3 - INSTALLATION

- 3.1

MANUFACTURING: REFER TO TANK MANUFACTURER'S CRITERIA AND SPECIFICATIONS FOR TANK INSTALLATION AND ADHERE TO AS REQUIRED.
- 3.2

CLEARANCES: MINIMUM CLEARANCE FOR TANKS SHALL BE AS FOLLOWS: SHOULD REQUIREMENTS OF TANK MANUFACTURER OR SOIL CONDITIONS DICTATE GREATER CLEARANCE, ADHERE TO ACCORDINGLY.
- 3.2.1

BOTTOM: PROVIDE MINIMUM OF 12" BEDDING MATERIAL BETWEEN BOTTOM OF EXCAVATION OR PAD AND BOTTOM OF TANK.
- 3.2.2

SIDES: PROVIDE MINIMUM OF 2'-0" BETWEEN TANKS AND 3' FROM SIDE/END OF TANK TO WALL OF EXCAVATION.
- 3.2.3

TOP: PROVIDE 42" FILL MATERIAL OVER TANK PLUS 8" OF CONCRETE
- 3.3

TESTING: PRIOR TO INSTALLATION OF TANKS, TESTING PER MANUFACTURER'S INSTRUCTIONS SHALL BE PERFORMED ON TANK(S). ON DUAL WALL TANKS, CONSULT TANK MANUFACTURER FOR TESTING CRITERIA.
- 3.4

PLACEMENT:

- 3.4.1

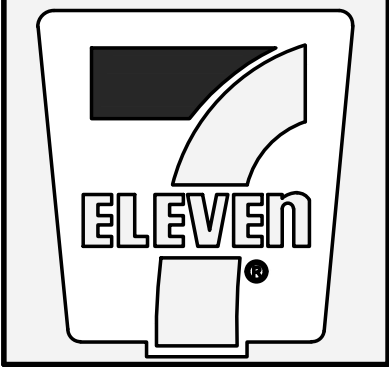
REFER TO SITE PLAN FOR TANK PLACEMENT AND PRODUCT ROTATION.
- 3.4.2

PRIOR TO SETTING OF TANKS, REMOVE ALL FOREIGN DEBRIS, ROCKS, CLOUDS, GARBAGE, ETC. FROM EXCAVATION.
- 3.4.3

PLACE TANKS ONLY ON APPROVED FILL. DO NOT SET ON CONCRETE OR WOOD.
- 3.4.4

NOT USED.
- 3.4.5

TANKS SHALL BE BURIED TO MINIMUM DEPTH AS PER ABOVE AND AS SHOWN ON GASOLINE DRAWINGS. TANKS MAY REQUIRE GREATER BURIAL DEPTH IF INSTALLED IN REMOTE POSITION TO ALLOW FOR PROPER SLOPE ON VENT LINES,VAPOR LINES. SECONDARY CONTAINMENT PRODUCT LINES. VERIFY DEPTH AS REQUIRED. (IF BURIAL DEPTH EXCEEDS 5'-0" (60"), NOTIFY 7-ELEVEN MANAGER)



FUELING SPECIFICATIONS

THE OSCAR W LARSON COMPANY

SHOPS AT INDIAN TRAILS A.K.A. COCONUT CROSSING

SWC NORTHLAKE BLVD & COCONUT BLVD.

PALM BEACH GARDENS, FLORIDA 33412

DATE:	NO.:	BY:	REVISION:

SCALE: AS SHOWN

DRAWN BY: LAR

CHECKED BY:

APPROVED BY:

DATE: 06-08-2025

PROPOSED GRADES BY:

S.S.#

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* To the best of my knowledge, the plans and specifications shown on these drawings were prepared by me or under my direct supervision and to the best of my knowledge and belief, they comply with all provisions of the applicable building code(s), no warranty expressed or implied is hereby given. ...

PLANS PREPARED BY:

MDM

engineering • environmental • construction

2151 W HILLSBORO BLVD SUITE 401 PALM BEACH GARDENS, FL 33412

(561) 427-2078

CA 000487

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FL REG # 73113

JOB # 25338

DWG # G14

PERFORMANCE SPECIFICATION - CONT.

SECTION IV TANK INSTALLATION - CONTINUED

PART 3 - INSTALLATION - CONTINUED

- 3.5

PLUGS: ALL UNUSED PLUGS SHALL BE REMOVED. APPLY COMPATIBLE NON-HARDENING PIPE SEALANT TO INTERNAL BUSHING THREADS. PERMANENT METAL PLUGS SHALL BE INSTALLED AT ALL UNUSED OPENINGS.
- 3.6

THE PLUGS IN TANK OPENINGS WHICH ARE TO BE USED SHALL NOT BE OVER TIGHTENED AS THIS MAY CAUSE THE BUSHING TO UNSCREW WITH THE PLUG. CARE SHALL BE TAKEN NOT TO CROSS THREAD OR DAMAGE THE NON- METALLIC BUSHINGS WHEN REPLACING PLUGS OR INSTALLING REQUIRED TANK PIPING.
- 3.7

WET HOLE INSTALLATION: SHOULD GROUND WATER BE PRESENT IN TANK EXCAVATIONS, 7-ELEVEN'S LOCAL CONSTRUCTION ENGINEER MUST BE NOTIFIED.

3.7.1

WELL POINT: WATER SHALL BE KEPT AT LOWEST POSSIBLE POINT BY WELL POINT SYSTEM(S) AND PROPERLY SIZED PUMP(S).

3.7.2

ANCHORS: DEAD MAN AS PER TANK MANUFACTURER'S INSTALLATION INSTRUCTIONS.

3.7.3

ANCHOR STRAPS: SUPPLIED BY TANK MANUFACTURER.

3.7.4

TAKE-UP FIXTURE & TURNBUCKLE: TO REMOVE CABLE SLACK, UTILIZE THE TAKE-UP FIXTURE FOR 8" DIA. TANK: MIN SIZE 26" MAX SIZE 43". WEIGHT 16 LB.

3.7.5

STRAP PLACEMENT: AS PER TANK MANUFACTURER'S SPECIFICATIONS.

3.7.6

COATING: COVER ALL NON-GALVANIZED HARDWARE WITH TWO (2) COATS OF ASPHALT IMPREGNATED WITH WATERPROOFING PRIOR TO PLACEMENT OF BACKFILL.

3.8

LIFTING: TANKS SHALL BE LIFTED ONLY AS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS, UTILIZING LIFTING LUGS PROVIDED ON TANKS. TANKS SHALL NOT BE ROLLED, DROPPED OR WRAPPED WITH CHAINS. EQUIPMENT OF SUFFICIENT SIZE, DESIGN AND LIFT CAPACITY SHALL BE UTILIZED FOR SETTING OF TANKS. SHOULD TANKS BE BUMPED, DENTED,DROPPED OR MISHANDLED IN ANY WAY, INSTALLATION SHALL BE HALTED AND TANK MANUFACTURER'S REPRESENTATIVE IMMEDIATELY CONTACTED FOR RE-CERTIFICATION OF TANKS. CONTACT LOCAL CONSTRUCTION OFFICE OR SITE MANAGER IMMEDIATELY UPON NOTICE OF QUESTIONABLE HANDLING OF TANKS OR NOTABLE DAMAGE THERETO.

3.9

BACK FILL PLACEMENT: ONCE TANKS ARE PROPERLY SET IN PLACE, CAREFULLY BACK FILL ENTIRE EXCAVATION, HAND SHOVELING AND TAMPING ALONG BOTTOM OF TANK(S) SO THEY ARE EVENLY SUPPORTED AROUND BOTTOM. SPECIAL ATTENTION SHALL BE PAID TO BOTTOM QUARTER POINTS ELIMINATING ANY VOIDS IN FILL AT THESE POINTS. DO NOT DROP BACK FILL FROM HIGH DISTANCE ONTO TANKS. TAMP AS REQUIRED TO ACHIEVE ACCEPTABLE DENSITY. BACKFILL PLACEMENT PER MANUFACTURER INSTALLATION SPECIFICATIONS.

3.10

BALLASTING: IF GROUND WATER IS PRESENT, TANKS SHALL BE FILLED WITH BALLAST (WATER) TO AVOID SHIFTING MOVEMENT. COST OF WATER AND REMOVAL SHALL BE CONTRACTOR COST. DO NOT INSTALL SUBMERGIBLE PUMPS IN TANKS FILLED WITH WATER. DO NOT BALLAST TANKS ABOVE LEVEL OF BACKFILL.

3.11

PROTECTION: CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE PROTECTION FOR TANK EXCAVATION FROM SURFACE WATERS WITH DAMS, BERMS, OR OTHER MEANS PENDING COMPLETION OF INSTALLATION. EXCAVATION SHALL BE MARKED AT ALL TIMES WITH LIGHTED BARRICADES UNTIL INSTALLATION IS COMPLETE. WATER SHALL NOT BE ALLOWED TO ACCUMULATE IN EXCAVATION. DE-WATER AS REQUIRED TO MAINTAIN EXCAVATION AS DRY AS POSSIBLE.
- ## SECTION V CONCRETE
- ### PART 1 - GENERAL
- 1.1

SCOPE: THIS SECTION COVERS THE FURNISHING OF ALL LABOR, MATERIALS, SERVICES, EQUIPMENT AND APPLIANCES REQUIRED IN CONJUNCTION WITH OR PROPERLY INCIDENTAL TO CONCRETE.
- ### PART 2 - PRODUCTS
- 2.1

MATERIALS:

2.1.1

AIR ENTRAINING AGENT: ASTM C 260-60-T. "PROTEX" MANUFACTURED BY PROTEX INDUSTRIES OR APPROVED EQUAL.

2.1.2

PORTLAND CEMENT: CONFORM TO ASTM C-150 TYPE I; TYPE II WHERE WATER SOLUBLE SULFATES ARE PRESENT.

2.1.3

AGGREGATES: CONFORM TO ASTM C-33.

2.1.4

WATER: SHALL BE CLEAN AND POTABLE.

2.1.5

SAND: CONFORM TO ASTM C-144.

2.1.6

STEEL REINFORCING: CONFORM TO ASTM A-615, GRADE 60 (EXCEPT WHERE NOTED OTHER WISE) YIELD STRENGTH 60,000 PSI.

2.1.7

ACCESSORIES INCLUDING BAR SUPPORTS, CHAIR SPACES, ETC., SHALL BE COLD DRAWN WIRE WITH HEIGHTS REQUIRED. BAR SUPPORTS FOR CONCRETE RESTING ON EARTH OR GRAVEL SHALL BE PRE CAST BRIQUETTES OR INDIVIDUAL HIGH CHAIRS NO. HCP WITH WELDED PLATES ON BOTTOM AS MANUFACTURED BY HOHMANN & BERNARD, INC.

2.1.8

FORMS: CLEAN, STRAIGHT LUMBER OF MOISTURE RESISTANT PLYWOOD. KNOT HOLES, DEFORMATIONS, ETC., SHALL NOT BE ALLOWED.

2.1.9

EXPANSION JOINT FILLERS: ASPHALT IMPREGNATED FIBERBOARD CONFORMING TO ASTM D-60-T. USE 1/2" THICK OR AS INDICATED ON DRAWINGS. TOP OF JOINT MATERIAL SHALL BE SET 1/2" BELOW TOP SURFACE OF SLAB. FILL VOID WITH GASOLINE RESISTANT SEALER.

2.1.10

CALCIUM CHLORIDE: NOT PERMITTED.

2.2

CONCRETE PROPORTIONS: CONCRETE SUPPLIER SHALL DESIGN CONCRETE MIX AND SHALL GUARANTEE CONCRETE STRENGTH. ALL CONCRETE, UNLESS NOTED OTHERWISE ON DRAWINGS, OR REQUIRED OTHERWISE BY CODES, SHALL BE DESIGNED FOR 4,000 PSI STRENGTH AT 28 DAYS WITH NOT LESS THAN 5 1/2 BAGS OF CEMENT PER CUBIC YARD OF CONCRETE. NOT MORE THAN 6 1/2 GALLONS OF WATER PER BAG OF CEMENT AND NOT MORE THAN A 4" SLUMP. AIR CONTENTS SHALL RANGE BETWEEN 4% AND 7%.
- ## SECTION V CONCRETE - CONTINUED
- ### PART 3 - EXECUTION
- 3.1

GRADE CONTROL: ESTABLISH AND MAINTAIN LINES AND GRADES FOR CONCRETE ITEMS BY MEANS OF LINE AND GRADE STAKES AND SCREEDS.

3.2

FORM WORK: BUILD FORMS TO CONFORM TO SHAPE, LINES AND DIMENSIONS OF CONCRETE MEMBERS. BRACE AND SECURE TO WITHSTAND PLACING OF CONCRETE AND MAINTAIN THEIR SHAPES AND POSITIONS. MAKE FORMS SUFFICIENTLY TIGHT AND SUBSTANTIALLY ASSEMBLED TO PREVENT BULGING OR LEAKAGE. ASSEMBLE FORMS IN SUCH A MANNER TO FACILITATE THEIR REMOVAL WITHOUT DAMAGE TO CONCRETE. FORMS SHALL BE IN OR NEAR NEW CONDITION; CLEAN, SMOOTH AND WITHOUT INDENTATIONS OR BENDS. INSTALL SLEEVES, MANHOLES, CAPS, BOXES AND POSTS IN PROPER LOCATIONS AND HEIGHTS. EXPANSION JOINTS SHALL CONSIST OF FILLER STRIPS INSTALLED WITH TOP AT ELEVATIONS OF FINISHED CONCRETE. NEATLY FINISH EDGES OF EXPOSED CONCRETE ALONG JOINTS WITH A SLIGHTLY ROUNDED EDGING TOOL.

3.3

REINFORCEMENT: FURNISH AND INSTALL ALL REINFORCING STEEL INDICATED ON DRAWING METAL REINFORCEMENT AT THE TIME CONCRETE IS PLACED, SHALL BE FREE FROM COATINGS WHICH WILL DESTROY OR REDUCE THE BOND. METAL REINFORCEMENT SHALL BE STORED SO AS TO PREVENT FREEZING FOR A MINIMUM OF 48 HOURS PRIOR TO PLACEMENT ALL REINFORCEMENT SHALL BE FABRICATED AND PLACED IN ACCORDANCE WITH STANDARDS OF ACI. METAL REINFORCEMENT SHALL BE ACCURATELY PLACED AND ADEQUATELY SECURED IN POSITION. SPLICES IN ADJACENT BARS SHALL BE LAPPED 36 DIAMETERS AT CORNERS AND SPLICES, AS REQUIRED.

3.4

MIXING AND TRANSPORTING CONCRETE: CONCRETE SHALL BE READY MIXED AND SHALL MEET REQUIREMENTS OF ASTM C-94 FOR MIXING AND DELIVERY. FURNISH DUPLICATE DELIVERY TICKETS OF EACH TRUCK LOAD TO OWNER'S LOCAL CONSTRUCTION OFFICE WHEN REQUIRED. TICKETS SHALL SPECIFY STRENGTH, SLUMP, AGGREGATE SIZES, AIR ENTRAINMENT (IF ANY) AND BRAND OF CEMENT. NOTE AMOUNT OF WATER ADDED AT JOB.

3.5

PLACING CONCRETE:

3.5.1

NOTIFICATION: THE CONTRACTOR SHALL NOTIFY THE OWNER'S LOCAL CONSTRUCTION OFFICE AT LEAST 48 HOURS BEFORE PLACING ANY CONCRETE. THE CONTRACTOR SHALL NOTIFY ALL TRADES AFFECTED BY CONCRETE PLACEMENT AT LEAST 24 HOURS BEFORE PLACING ANY CONCRETE IN ORDER THAT TRADES AFFECTED MAY INSTALL REQUIRED BLOCKING, SLEEVED, POCKETS, ETC.

3.5.2

PROTECTION: PROTECT ALL WORK OF OTHER TRADES AS REQUIRED.

3.5.3

WETTING: THOROUGHLY WET FORMS AND DAMPEN SAND CUSHIONS BEFORE PLACING CONCRETE.

3.5.4

PLACING: PLACE ALL CONCRETE IN ACCORDANCE WITH ACI 614. MINIMUM CONCRETE COVER OVER REINFORCEMENT SHALL CONFORM TO ACI 318. USE HANDLING EQUIPMENT AND METHODS TO INSURE A CONTINUOUS FLOW FROM MIXER TO PLACE OF DEPOSIT SPACE. TAMP AND MECHANICALLY VIBRATE FRESHLY PLACED CONCRETE TO COMPACT THOROUGHLY AND ELIMINATE VOIDS. DO NOT ALLOW FREE FALL OF CONCRETE TO EXCEED 5'.

3.6

FINISHING CONCRETE:

3.6.1

SLABS SHALL BE A TRUE PLANE SURFACE WITH NO DEVIATION IN EXCESS OF 1/4" WHEN TESTED WITH A 10' STRAIGHTEDGE AT 3' INTERVALS IN BOTH DIRECTIONS. SCREED AND FLOAT CONCRETE FOR SLAB WITH STRAIGHT EDGES TO BRING SURFACE TO REQUIRED FINISHED LEVEL. WOOD FLOAT CONCRETE WHILE STILL GREEN TO A TRUE, EVEN SURFACE WITH NO COARSE AGGREGATE VISIBLE. AFTER SURFACE MOISTURE HAS DISAPPEARED, STEEL TROWEL SURFACE TO A SMOOTH, EVEN FINISH, FREE FROM BLEMISHES AND TROWEL MARKS. AFTER TROWELING, BRUSH SURFACE OF CONCRETE WITH BRISTLE BROOM TO RESULT IN A MEDIUM, UNIFORM, NON-SLIP TEXTURED SURFACE. STROKE CROSSWISE TO LENGTH.

3.7

CURING: UTMOST CARE SHALL BE TAKEN TO ACHIEVE A UNIFORM, PROTECTIVE CURE FOR ALL SLABS. DO NOT USE CALCIUM CHLORIDE. CURING METHODS SHALL CONFORM TO ACI STANDARD 605-99 AND ACI STANDARD 306-66.

3.8

REMOVAL OF FORMS: DO NOT REMOVE FORMS UNTIL CONCRETE HAS ATTAINED SUFFICIENT STRENGTH TO SUPPORT ANY SUPERIMPOSED LOADS.

3.9

PATCHING: NO PATCHING SHALL OCCUR UNTIL APPROVED BY OWNER.

3.10

TEMPERATURE:

3.10.1

COLD WEATHER: WHEN MEAN DAILY TEMPERATURE OF THE ATMOSPHERE IS LESS THAN 40 DEGREES FAHRENHEIT, MAINTAIN TEMPERATURE OF CONCRETE BETWEEN 50 AND 70 DEGREES FAHRENHEIT FOR MINIMUM OF 72 HOURS.

3.10.2

HOT WEATHER: MAKE ARRANGEMENTS FOR INSTALLATION OF WINDBREAKS, SHADING, FOG SPRAY, SPRINKLING, PONDING OR WET COVERING IN ADVANCE OF PLACEMENT. TAKE SUCH PROTECTIVE MEASURES AS QUICKLY AS CONCRETE HARDENING AND FINISHING OPERATIONS WILL ALLOW.

3.11

TESTING: CONCRETE TESTS SHALL BE ORDERED AT THE DISCRETION OF THE OWNER'S CONSTRUCTION MANAGER. THE OWNER SHALL PAY FOR ALL CONCRETE TESTING. COMPACTION TESTS SHALL BE REQUIRED PRIOR TO PLACEMENT OF ANY CONCRETE ON GRADE. CONTRACT OWNER'S ENGINEERING SERVICES FOR COMPACTION TESTING TESTS. TESTS WILL BE PAID FOR BY OWNER.

3.12

THICKNESS:

3.12.1

SLAB OVER TANKS SHALL BE 8" CONCRETE SLAB WITH #3 REINFORCING BARS AT 12" OC EACH WAY ON 3" SADDLES (CHAIRS). ADDITIONAL REINFORCING AROUND MANHOLES IN UPPER PORTION OF THE TANK SLAB SHALL BE ON 5" SADDLES (CHAIRS).

3.12.2

CANOPY SLABS SHALL BE 6" CONCRETE. REINFORCEMENT SHALL BE #3'S AT 18" OC EACH WAY. REINFORCEMENT SHALL BE ON 2" SADDLES (CHAIRS).

3.13

CANOPY FOOTINGS: CANOPY FOOTINGS SHALL BE INSTALLED BY GENERAL FUEL CONTRACTOR AS PER SHOP DRAWINGS SUPPLIED BY THE CANOPY COMPANY. ALL MATERIALS SHALL BE EQUAL TO OR BETTER THAN SPECIFIED ELSEWHERE IN THIS SECTION.

3.14

PROTECTION OF ALL CONCRETE SURFACES: IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROTECT ALL CONCRETE SURFACES AGAINST ANY DAMAGE WHATSOEVER, INCLUDING EXCESSIVE LOADING, SHIPPING, CRACKING, STAINING, PAINT SPLATTERS, ETC. THE OWNER EXPECTS EXPOSED CONCRETE SURFACES TO BE CLEAN AND OF UNIFORM COLOR AND TEXTURE AT COMPLETION OF THE PROJECT. REPLACE ANY CONCRETE DAMAGE DURING CONSTRUCTION.

3.15

GRADE CONTROL: ESTABLISH AND MAINTAIN LINES AND GRADES FOR CONCRETE ITEMS.
- ## SECTION VI PIPING
- ### PART 1 - GENERAL
- 1.1

SCOPE: THIS SECTION COVERS THE FURNISHING OF ALL LABOR, MATERIALS, SERVICES, EQUIPMENT AND RELATED APPLIANCES REQUIRED IN CONJUNCTION WITH OR INCIDENTAL TO A COMPLETE PIPING SYSTEM FOR A GASOLINE INSTALLATION.
- ### PART 2 - PRODUCTS
- 2.1

PRODUCT PIPING: PRODUCT PIPING AND FITTINGS SHALL BE DOUBLE WALL RIGID FIBERGLASS PIPING AS SPECIFIED BY 7-ELEVEN. PIPING MUST SLOPE 1/8" PER FOOT MINIMUM FROM DISPENSER ISLAND TO STP SUMP.

2.2

VENT PIPING: PIPING SHALL BE FIBERGLASS MATERIAL. VENT LINE RISERS SHALL BE BLACK IRON PIPE AND EXTEND 4' ABOVE ADJACENT STRUCTURE OR 12'-0" ABOVE FINISHED GRADE. VENT LINE RISERS SHALL NOT BE INSTALLED ON BUILDING UNLESS APPROVED IN WRITING.

2.3

BACK FILL: ALL MATERIAL SHALL COMPLY WITH SPECIFICATIONS FOR APPROVED MATERIAL AND AS PER MANUFACTURER'S SPECIFICATIONS.
- ### PART 3 - INSTALLATION
- 3.1

ALL PRODUCT PIPING AND SPECIALTIES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND PROVINCIAL AND LOCAL CODES.

3.2

THE DRAWINGS ARE DIAGRAMMATIC AND THE FINAL ARRANGEMENT OF THE WORK SHALL SUIT FIELD CONDITIONS, THE CHARACTERISTICS OF THE MATERIALS USED, AND THE INSTRUCTIONS OF THE CONSTRUCTION MANAGER. VERIFY ALL DIMENSIONS IN THE FIELD. ACCESS AND CLEARANCES MUST BE PROVIDED AND MAINTAINED FOR THE PROPER OPERATION, MAINTENANCE, SERVICE AND REPAIR OF THE WORK.

3.3

LOCATE, IDENTIFY AND MARK EXISTING UNDERGROUND UTILITIES IN THE AREA OF WORK BEFORE STARTING EARTHWORK OPERATIONS. IF UTILITIES ARE TO REMAIN IN PLACE PROVIDE ADEQUATE MEANS OF PROTECTION DURING EARTHWORK PROCEDURES.

3.4

SHOULD UNCHARTED OR INCORRECTLY CHARTED PIPING OR OTHER UTILITIES BE ENCOUNTERED DURING EXCAVATION, CONSULT THE CONSTRUCTION MANAGER IMMEDIATELY FOR DIRECTIONS AS TO PROCEDURE. COOPERATE WITH THE OWNER AND PUBLIC AND PRIVATE UTILITY COMPANIES IN KEEPING THEIR RESPECTIVE SERVICES IN SATISFACTORY CONDITION.

3.5

VERTICAL RISERS FROM TANKS FOR ALL FILL PIPES, VAPOR RECOVERY ADAPTERS AND AUTO GAUGING ADAPTATIONS SHALL BE A 4" DIAMETER PIPE.

3.6

DO NOT INTERRUPT EXISTING UTILITIES SERVING FACILITIES OCCUPIED AND USED BY THE OWNER OR OTHERS, EXCEPT WHEN PERMITTED IN WRITING BY THE CONSTRUCTION MANAGER, AND THE ONLY AFTER ACCEPTABLE TEMPORARY UTILITY SERVICE HAS BEEN PROVIDED.

3.7

CONVEY WATER REMOVED FROM EXCAVATIONS AND RAIN WATER TO COLLECTING OR RUN-OFF AREA. DO NOT USE TRENCH EXCAVATIONS FOR SITE UTILITIES AS TEMPORARY DRAINAGE DITCHES. REMOVE ALL TRASH, DEBRIS AND FOREIGN MATERIAL FROM TRENCHES PRIOR TO PLACING PIPING MATERIAL.

3.8

ALL PRODUCT, VAPOR RECOVERY AND VENT LINES SHALL SLOPE UP FROM TANKS. A MINIMUM OF 1" IN 8" (1/8" /FT) WITH NO SAG OR TRAPS. LINES SHALL BE IN TRENCHES WITH A MINIMUM OF 6" OF BACK FILL MATERIAL BELOW AND ON EITHER SIDE AND A MINIMUM OF 18" OF BACK FILL MATERIAL ABOVE.

3.9

SUBMERGED PUMP, FILL PIPE, AUTO GAUGING ADAPTERS AND VAPOR RECOVERY ADAPTER SHALL BE LOCATED AT TANK OPENINGS AS SHOWN ON DRAWINGS.

3.10

FILL PIPE SHALL HAVE OVER SPILL CONTAINMENT SYSTEM INSTALLED AS SHOWN ON DRAWINGS.

3.11

FILL PIPE SHALL HAVE SUBMERGED FILL TUBE. FILL PIPE AND VAPOR RECOVERY RISER SHALL BE CUT TO THE PROPER LENGTH SO THAT FINISHED HUB HEIGHT WILL BE WITHIN 5" (+ OR - 1") OF THE TOP OF THE MANHOLE.

3.12

OVERFILL PREVENTION DEVICES SHALL BE INSTALLED AS SHOWN IN DRAWINGS.

3.13

REMOTE PUMP SHEAR VALVES SHALL BE INSTALLED ON THE PRODUCT LINES UNDER EACH DISPENSER AND SECURED TO THE DISPENSER BOX. THESE VALVES MUST BE INSTALLED WITH THE SHEAR SECTION FLUSH AT THE TOP OF THE DISPENSER SUMP, AS DENOTED ON PLANS AND PER LOCAL REQUIREMENTS.

3.14

AFTER ALL PIPING IS COMPLETE AND PRIOR TO BACK FILLING, ALL PIPING INCLUDING VENT LINES SHALL BE ISOLATED FROM THE TANK AND TESTED PER MANUFACTURER'S TESTING INSTRUCTIONS.

3.15

IF SUBMERGED, PUMP RISER IS TO BE LENGTHENED, THE PROPER 4" THIN WALL RISER AS PRODUCED BY MANUFACTURER SHALL BE USED.

3.16

ALL VALVES AND PRODUCT HANDLING EQUIPMENT SHALL BE AS SHOWN ON EQUIPMENT LIST. REFER TO LIST OF MATERIALS SUPPLIED BY OWNER.

3.17

CODES: THE NFPA 30 FLAMMABLE AND COMBUSTIBLE LIQUIDS CODE, & NFPA 30A AUTOMOBILE AND MARINE SERVICE STATION CODE. IS BY REFERENCE MADE A PART OF THIS SPECIFICATION. SAID CODE SHALL DICTATE MINIMUM ACCEPTABLE STANDARDS. CODE SHALL BE ADHERED TO UNLESS PROVINCIAL AND LOCAL GOVERNING AUTHORITIES DICTATE HIGHER OR MORE STRINGENT REQUIREMENTS.

3.18

STARTUP: PRIOR TO STARTUP AND CHECK-OUT OF SYSTEM, PRODUCT LINES SHALL PASS HYDROSTATIC LINE TEST. ALL SITE IMPROVEMENTS, INCLUDING PAVEMENTS AND UTILITIES, SHALL BE COMPLETED PRIOR TO THIS TEST.

3.19

INSPECTIONS: PIPING INSPECTION SHALL BE PERFORMED BY 7-ELEVEN, INC.'S APPOINTED REPRESENTATIVE.

3.20

CLEANUP: CLEANUP ALL DEBRIS CAUSED BY THE WORK OF THIS SECTION, KEEPING THE PREMISES CLEAN AND NEAT AT ALL TIMES.
-
- FUELING SPECIFICATIONS

THE OSCAR W LARSON COMPANY
SHOPS AT INDIAN TRAILS A.K.A. COCONUT CROSSING
SWC NORTHLAKE BLVD & COCONUT BLVD.
PALM BEACH GARDENS, FLORIDA 33412
- | DATE | NO.: | REVISION: | BY: |
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- | SCALE: AS SHOWN | DATE: 06-08-2025 | PROPOSED GRADES BY: |
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| DRAWN BY: LAR | | |
| CHECKED BY: | | S.S.# |
| APPROVED BY: | | |
| Do Not Scale-Use Dimensions Only
* To the best of my knowledge, the plans and specifications are true and correct. I am not responsible for any errors or omissions or for any consequences arising from the use of the information contained herein, and I disclaim any liability for such. (Signature of the Engineer/Architect/Designer) (Date) | | |
- PLANS PREPARED BY: **MDM**

engineering • environmental • construction
2715 W HILLSBORO BLVD., SUITE 401
MILWAUKEE, WI 53227
(414) 427-0078
- THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY DAMIAN D. LESLIE, P.E. ON 06/08/2025 AT 10:00 AM CDT. THIS DOCUMENT IS NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.
- DAIMIAN D. LESLIE, P.E.
FL REG # 73113
- | | |
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| JOB # | 25338 |
| DWG # | G15 |

PERFORMANCE SPECIFICATION - CONT.

SECTION VII ELECTRICAL WORK

PART 1 - GENERAL

- 1.1

SCOPE: THIS SECTION COVERS THE FURNISHING OF ALL LABOR, MATERIALS, SERVICES, EQUIPMENT AND APPLIANCES REQUIRED IN CONJUNCTION WITH OR PROPERLY INCIDENTAL TO THE FURNISHING AND INSTALLATION OF COMPLETE ELECTRICAL WORK INCLUDING:
- 1.1.1

ELECTRICAL SERVICE AND DISTRIBUTION SYSTEM, INCLUDING CONDUITS, PANEL BOARD OUTLET BOXES, WIRING, SWITCHES, OUTLETS, ETC.
- 1.1.2

CONDUIT AND WIRING SYSTEM FOR INTERCOM.
- 1.1.3

WIRING SYSTEM TO SERVE ALL ELECTRIC-USING DEVICES, LIGHTING FIXTURES, PUMPS, CONTROL EQUIPMENT, DISPENSERS, DEVICES AND OTHER CURRENT CONSUMING EQUIPMENT.
- 1.1.4

POWER AND CONTROL WIRING WITH FINAL CONNECTIONS TO ALL EQUIPMENT.
- 1.1.5

ALL CONDUITS, CONNECTIONS, WIRE AND STUB-OUTS FOR FASCIA SIGN(S) (WHEN SHOWN), CANOPY LIGHTS, PRICE SIGN(S) AND CANOPY MOUNTED FLOOD LIGHTS.
- 1.1.6

CONDUITS AS MAY BE SHOWN FOR "FUTURE EQUIPMENT" ON DRAWINGS.
- 1.1.7

ALL TRENCHING, EXCAVATIONS AND BACK FILL AS REQUIRED IN CONJUNCTION WITH ELECTRICAL WORK.
- 1.1.8

INCIDENTAL ITEMS NOT INDICATED ON THE DRAWINGS OR MENTIONED IN THE SPECIFICATIONS, BUT WHICH ARE REQUIRED TO PROVIDE COMPLETE ELECTRICAL SYSTEMS IN CONFORMANCE WITH REQUIREMENTS OF PROVINCIAL AND LOCAL CODES AND REGULATIONS AND THE CANADIAN ELECTRIC CODE.
- 1.2

CODES AND REGULATIONS: COMPLY WITH LATEST REQUIREMENTS OF LOCAL UTILITY COMPANY, LOCAL, PROVINCE, COOHS, CANADIAN ELECTRIC CODES, NATIONAL FIRE PROTECTIVE ASSOCIATION AND LOCAL ELECTRICAL INSPECTION AUTHORITY. REPORT TO OWNER IMMEDIATELY ANY DISCREPANCIES BETWEEN DRAWINGS AND CODES. PROVIDE INSTALLATION SUPERIOR TO CODE WHERE SO INDICATED ON DRAWINGS AND SPECIFIED HEREIN.
- 1.3

PERMITS, FEES, TAXES: ARRANGE AND PAY FOR ALL NECESSARY PERMITS, FEES, AND TAXES.
- 1.4

PROGRESS OF WORK: SCHEDULE WORK WITH THAT OF OTHER TRADES AND IN RELATION TO ENTIRE INSTALLATION SO THAT THE ENTIRE PROJECT CAN BE COMPLETED PER CONSTRUCTION SCHEDULE.
- 1.5

CUTTING AND REPAIRING: PROVIDE ALL CUTTING, CHANNELING, PATCHING, ETC. AS NECESSARY FOR ELECTRICAL WORK UNDER DIRECTION OF GENERAL CONTRACTOR. WORK FOUND TO BE DEFECTIVE OR INCORRECTLY INSTALLED IS TO BE CORRECTED AT THE DIRECTION OF THE OWNER AT NO ADDITIONAL COST TO THE OWNER. MAKE REPAIR WORK TO BE DONE BY SKILLED CRAFTSMEN IN TRADES INVOLVED, BUT PAID FOR THE ELECTRICAL SUBCONTRACTOR.

PART 2 - PRODUCTS

- 2.1

IDENTIFICATION OF EQUIPMENT AND WIRING: PROVIDE IDENTIFICATION WITH DYMO TAPE OR EQUAL FOR ALL SERVICE ENTRANCE AND DISTRIBUTION EQUIPMENT INCLUDING MAIN SWITCH GEAR, PANELS, DISCONNECT SWITCHES, CONDUITS, ETC., AND FOR MOTOR FEEDERS INCLUDING SWITCHES, STARTERS AND MOTORS.
- 2.2

LIGHT FIXTURES: TO BE PROVIDED BY OWNER.
- 2.3

CONDUITS: PROVIDE THE FOLLOWING TYPES OF RACEWAYS IN ACCORDANCE WITH THE SPECIFIC APPLICATION OF LOCATION INDICATED.
- 2.3.1

RIGID NONMETALLIC CONDUIT (RNC) IS ALLOWED FOR UNDERGROUND RUNS IF CONDUIT IS BURIED AT A MINIMUM OF 2' WITH THE EXCEPTION OF THE LAST 2' OF THE UNDERGROUND RUN WHERE AHJ ALLOWS. LAST 2' WILL BE PVC COATED GALVANIZED STEEL.

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.

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.

STP POWER CONDUITS MUST BE RUN IN SEPARATE RACEWAY. ENTIRE WIRING RUN MUST BE IN RIGID PVC COATED GALVANIZED STEEL CONDUIT (NO PVC OR RNC CONDUIT ALLOWED).
- 2.3.2

SEAL-OFFS: WHERE CONDUITS EXIT FLOOR OR CONCRETE AT DISPENSERS, AUTO GAUGING AND SUBMERSIBLE PUMPS.
- 2.3.3

C.E.C. APPROVED WEATHER PROOF WIRE PULL BOX.
- 2.4

CONDUCTORS:
- 2.4.1

FURNISH AND INSTALL COLOR CODED COPPER CONDUCTORS, 600 VOLT, OF SIZES INDICATED. MINIMUM SIZE #12 EXCEPT FOR SIGNAL AND CONTROL CIRCUITS AND WHERE OTHERWISE NOTED, TYPE 1W (90 DEGREES CENTIGRADE) FOR GENERAL BRANCH CIRCUIT WIRING; TYPE THN OR THWN-2 (90 DEGREES CENTIGRADE) FOR SUPPLY CONNECTIONS TO LIGHT FIXTURES. INSTALL PER COLOR CODE OF NEC.
- 2.4.2

SHIELDED CABLES: PROVIDE SHIELDED CABLE FOR INTERCOM AS PER MANUFACTURER'S SPECIFICATIONS AND AS REQUIRED ON DRAWINGS.

VARIABLE SPEED PUMP CABLE:

- THWN-2 *12 AWG 4 CONDUCTOR 600V SHIELDED, GAS/OIL RESISTANT".

DATA COMMUNICATION CABLE:

- SHIELDED WIRE MUST NOT BE USED:

- 2 WIRE TWISTED PAIR (UTP) W/ 10-12 TWISTS PER FOOT.

- WIRING IS STRANDED ANNEALED COPPER TINNED WITH 18 AWG MINIMUM REQUIRED FOR RUNS UP TO 1000 FEET OR 14 AWG FOR RUNS UP TO 2600 FEET. DO NOT DAISY CHAIN COMMUNICATION WIRING.

- INSULATION SPEC IS 300V, PVC INSULATION, TYPE TFFN OR MTW, ULC APPROVED GASOLINE AND RESISTANT.

OIL
- 2.5

SPLICES AND CONNECTIONS: PROVIDE SPLICES ONLY IN READILY ACCESSIBLE OUTLET BOXES. PROVIDE INSULATED PRESSURE CONNECTORS OR "CRIMP-ON" SLEEVES WITH OVERALL NYLON INSULATORS FOR CONDUCTORS. CONNECTORS SHALL BE 3M "SCOTCHLOK", BUCHANNAN SPLICE CAPS WITH INSULATED WRAP, OR IDEAL "CRIMP-SLEEVES" WITH SCAP CAP INSULATOR OR EQUAL.
- 2.6

PANEL BOARDS:
- 2.6.1

BRANCH CIRCUIT PANEL BOARDS: PROVIDE FLUSH-MOUNT CIRCUIT BREAKER TYPE PANEL BOARDS WITH THERMAL MAGNETIC, MOLDED CASE, "SQUARE D" TYPE NLAB OR APPROVED EQUAL, WITH PLUG-IN CIRCUIT BREAKERS, "SQUARE D" TYPE NLQT. PROVIDE GROUNDING TERMINAL BLOCK IN EACH PANELBOARD. SEE INDIVIDUAL PANEL SCHEDULE ON DRAWINGS.
- 2.6.2

SUBSTITUTES: DISTRIBUTION EQUIPMENT EQUIVALENT IN TYPE, CLASSIFICATION AND QUALITY IN ACCORDANCE WITH NEMA STANDARDS AS MANUFACTURED BY G.E., CUTLER-HAMMER, FEDERAL PACIFIC, ITE, SQUARE D AND WESTINGHOUSE ARE ACCEPTABLE AS SUBSTITUTES ONLY WHEN APPROVED IN WRITING.

SECTION VII ELECTRICAL WORK - CONTINUED

PART 3 - EXECUTION

- 3.1

GENERAL: COORDINATE TIME SCHEDULES, INSTALLATION, HOOKUPS AND MISCELLANEOUS PROCEDURES WITH ALL OTHER TRADES THAT WILL BE INVOLVED TO EXPEDITE THE COMPLETION OF THE CONTRACT. THE ELECTRICAL SUBCONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE PROPER INSTALLATION OF THE ELECTRICAL WORK.
- 3.2

CONDUITS: FURNISH AND INSTALL A COMPLETE OVERALL CONDUIT RACEWAY SYSTEM FOR ALL WIRING AND CONDUCTORS. PROVIDE SIZES AND RACEWAYS AS INDICATED ON DRAWINGS OR AS REQUIRED BY NATIONAL ELECTRICAL CODE FOR CONDUCTORS TO BE CONTAINED. ALL RACEWAYS SHALL CONFORM TO THE FOLLOW REQUIREMENTS:
- 3.2.1

CONCEAL ALL CONDUIT RUNS EXCEPT WHERE EXPOSED RUNS ARE AUTHORIZED BY OWNER'S CONSTRUCTION MANAGER IN WRITING.
- 3.2.2

ACTUAL CONDUIT RUNS ARE NOT GENERALLY INDICATED; CONDUITS AT TANKS SHALL NOT CROSS OVER TANKS. PLACE CONDUIT THROUGH EACH END OF TANK EXCAVATION AND PLACE FIELDS PARALLEL WITH AXIS OF TANKS.
- 3.2.3

CLEAN AND DRY ALL RACEWAYS THOROUGHLY BEFORE CONDUCTORS ARE PULLED IN.
- 3.2.4

FLASH AND COUNTER FLASH CONDUITS WHICH PENETRATE THE CANOPY DECKING.
- 3.2.5

PROVIDE SEAL-OFF FITTINGS WHERE CONDUIT RUNS ENTER OR LEAVE HAZARDOUS AREAS OF DISSIMILAR CONDITIONS SUCH AS TEMPERATURE, HUMIDITY, ETC.
- 3.2.6

FURNISH AND INSTALL COMPLETE RACEWAY SYSTEM, INCLUDING CONDUITS AND OUTLETS, AS INDICATED AND AS REQUIRED FOR INTERCOM SYSTEM, GAS PRICE SIGNS, SECURITY LIGHTING AND CANOPY LIGHTING SYSTEM, AND LIGHTED FASCIA SYSTEM WHERE APPLICABLE. CONDUIT AMOUNTS AND SIZES SHALL BE AS SHOWN ON GASOLINE DRAWINGS. ADDITIONAL CONDUITS AND CIRCUITS WILL BE REQUIRED FOR LIGHTED FASCIA SYSTEMS. PROVIDE AS REQUIRED.
- 3.3

LIGHTING: INSTALL ALL LIGHTING FIXTURES AND LAMPS AS INDICATED ON DRAWINGS. SECURELY MOUNT ALL FIXTURES; PROVIDE ALL ADDITIONAL HANGERS AND SUPPORTS AS NECESSARY TO SECURELY FASTEN AND SUPPORT FIXTURES. CLEAN ALL FIXTURES AND LAMPS UPON COMPLETION OF THE PROJECT. CONTRACTOR SHALL VERIFY AMOUNT AND TYPE OF ISLAND/CANOPY LIGHTING SYSTEMS. SHOULD ADDITIONAL CONDUITS/CIRCUITS BE REQUIRED, VERIFY THROUGH LOCAL CONSTRUCTION OFFICE AND PROVIDE AS REQUIRED.
- 3.4

SIGNS AND LIGHTED FASCIA: VERIFY FINAL LOCATIONS AND TYPE WITH OWNER. FURNISH AND INSTALL ALL CONDUITS AND WIRES WITH STUB-OUTS AS DIRECTED. MAKE FINAL CONNECTIONS AS REQUIRED.
- 3.5

OUTLETS: COORDINATE LOCATION OF ALL ELECTRICAL EQUIPMENT, INCLUDING INTERCOM OUTLETS, SWITCHES, RECEPTACLES, CONTROLLERS, PANEL BOARDS, SWITCH GEAR, ETC., TO AVOID INTERFERENCE AND OBSTRUCTIONS WITH EQUIPMENT OF OTHER CRAFTS AND TRADES SO THAT ELECTRICAL EQUIPMENT WILL NOT BE BLOCKED OR MADE INACCESSIBLE OR IMPERMEABLE. PROVIDE WEATHERPROOF OUTLETS WHERE EXPOSED TO THE WEATHER OR TO MOISTURE.
- 3.6

ISOLATED GROUND: IT IS MANDATORY THAT GASOLINE EQUIPMENT REQUIRING ISOLATED GROUND SHALL BE PROVIDED WITH SAME. MINIMUM CIRCUITS REQUIRED, BUT NOT LIMITED TO, SHALL BE: INTERCOM, GAS CONSOLE AND GASOLINE TANK MONITORING SYSTEM.
- 3.7

EXCAVATION AND BACK FILLING: ALL EXCAVATION AND BACK FILLING NECESSARY FOR THE INSTALLATION OF ELECTRICAL WORK SHALL BE INCLUDED IN THIS SECTION AND COMPLY WITH SECTION III, EARTHWORK.
- 3.8

OPERATING AND ACCEPTANCE TESTS:
- 3.8.1

CONDUCT OPERATING TEST ON ENTIRE ELECTRICAL INSTALLATION; ALL SYSTEMS MUST BE COMPLETE AND IN GOOD OPERATING ORDER. REFER TO STARTUP AND FINAL CHECK-OUT OF SYSTEM COVERED ELSEWHERE. DO NOT START OR OPERATE EQUIPMENT WITHOUT SPECIFIC DIRECTIVES OF OWNER'S SPECIFIED REPRESENTATIVE. ANY DAMAGE TO OWNER'S EQUIPMENT DUE TO DEFECTIVE INSTALLATION AND/OR OPERATION WILL BE THE RESPONSIBILITY OF THAT SUBCONTRACTOR FOR CORRECTION, REPLACEMENT AND/OR MONETARY COMPENSATION AS REQUIRED.
- 3.8.2

MAKE INSULATION TESTS ON MAIN SERVICE EQUIPMENT AND ALL FEEDERS AND PANELBOARDS.
- 3.8.3

TEST GROUND: RESISTANCE TO GROUND SHALL NOT EXCEED 25 OHMS.
- 3.8.4

INSPECT ALL PANELBOARDS. ALL CONNECTIONS MUST BE TIGHT AND SECURE.
- 3.9

"AS-BUILT" DRAWINGS: FURNISH OWNER'S CONSTRUCTION MANAGER WITH ONE SET OF MARKED-UP PRINTS (HARDCOPY) AND ALSO IN AUTO CAD 2004 COMPATIBLE DRAWING FILE FORMAT (.DWG) SHOWING "AS-BUILT" INSTALLATION.
- 3.10

FINAL ACCEPTANCE: UPON COMPLETION OF WORK, PRESENT CERTIFICATE OF APPROVAL OF LOCATION OR GOVERNING INSPECTION AUTHORITY.
- 3.11

CLEANUP: CLEAN UP ALL DEBRIS CAUSED BY WORK OF THIS SECTION, KEEPING THE PREMISES CLEAN AND NEAT AT ALL TIMES.

SECTION VIII PAINTING

PART 1 GENERAL

- 1.1

SCOPE: THIS SECTION COVERS THE FURNISHING OF ALL LABOR, MATERIALS, SERVICES, EQUIPMENT AND APPLIANCES IN CONJUNCTION WITH OR PROPERLY INCIDENTAL TO THE COMPLETION OF ALL PAINTING OF SURFACES COMPLETE, INCLUDING PAINTING OF THE FOLLOWING SURFACES:
- 1.1.1

MISCELLANEOUS METAL, DOWNSPOUTS, COLUMNS, POSTS, ISLAND FORMS, VENT RISERS, MANHOLE COVERS AND ELECTRICAL CONDUITS.
- 1.2

PAINTING DOES NOT INCLUDE:
- 1.2.1

PAINTING CANOPY SOFFITS.
- 1.2.2

PAINTING LIGHT FIXTURES.
- 1.2.3

PAINTING GASOLINE EQUIPMENT.

1.3

COLOR SCHEDULE: COLOR OF PAINTS SHALL BE AS LISTED IN COLOR SCHEDULE.

SECTION VIII CONTINUED

PART 2 - PRODUCTS

- 2.1

PAINT MANUFACTURERS AND PRODUCTS: PAINTING SYSTEM AS SPECIFIED HEREIN IS BASED ON PRODUCTS OF THE GLIDDEN COATING & RESINS COMPANY, A DIVISION OF SCM CORPORATION. HOWEVER, EQUAL PAINTING SYSTEMS OF PRATT & LAMBERT, PPG INDUSTRIES AND BENJAMIN MOORE WILL BE CONSIDERED.
- 2.2

PAINTING COATS AND PRODUCTS: SUPPLIED BY CONTRACTOR
- 2.2.1

PAINT ALL MANHOLES COVERS AND 4" SURROUNDING CONCRETE, INSIDE AND OUT, IN ACCORDANCE WITH STANDARD INDUSTRY COLOR CODE AS SHOWN:

API COLOR CODES:

OBSERVATION WELL AND ALL OTHERS

UNLEADED REGULAR

UNLEADED PREMIUM

UNLEADED REGULAR W/EXTENDER

UNLEADED PREMIUM W/EXTENDER

DIESEL

VAPOR RECOVERY

KEROSENE

BLACK

WHITE W/BLACK CROSS

RED W/WHITE CROSS

WHITE W/BLACK CROSS & BLACK BAND

RED W/WHITE CROSS & WHITE BAND

SOLID YELLOW

SOLID ORANGE

SOLID BROWN
- 2.2.2

PAINT FASCIA SIGN FRAMES.

PAINT GLOSSY WHITE - 2 COATS.

PART 3 - EXECUTION

- 3.1

PROTECTION: COVER ENTIRE CONCRETE SURFACES. NO PAINT OR SOLVENT SHALL BE ALLOWED TO COME IN CONTACT WITH CONCRETE SURFACES. WHERE IT BECOMES NECESSARY, IN ORDER TO EXECUTE HIS OWN WORK, FOR PAINTER TO REMOVE COVERINGS, PLATES, ETC., PLACED BY OTHER CONTRACTORS IN ANY BRANCH OF THE WORK, HE SHALL REPLACE SAME IN PROPER MANNER. IN SITUATIONS WHERE SAID COVERINGS, PLATES, ETC., CANNOT BE READILY REMOVED, PAINTER SHALL PROTECT THE WORK IN SOME OTHER SATISFACTORY MANNER. OILY RAGS AND WASTE MUST BE REMOVED EVERY NIGHT. UNDER NO CIRCUMSTANCES SHALL THEY BE ALLOWED TO ACCUMULATE. PAINTING SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE DONE TO THE WORK OF OTHER SUBCONTRACTORS AND SHALL REPAIR OR REPLACE AS NECESSARY TO THE SATISFACTION OF THE OWNER.
- 3.2

PREPARATION OF SURFACES: INSPECT ALL SURFACES TO BE PAINTED. REPORT ANY DISCREPANCIES TO THE CONTRACTOR PRIOR TO START OF WORK. STARTING OF PAINT APPLICATION SHALL CONSTITUTE ACCEPTANCE OF SURFACES AS SUITABLE FOR THE RECEPTION OF PAINT APPLICATION. ALL SURFACES SHALL BE CLEAN AND DRY, BETWEEN 50 AND 90 DEGREES FAHRENHEIT AT TIME OF PAINT APPLICATION. CLEAN METAL OF MILL SCALE, RUST, OIL, GREASE AND FOREIGN MATTER. CLEAN GALVANIZED METAL ACCORDING TO SSPC-SP 1-63 SOLVENT CLEANING. PROTECT ADJACENT AND FINISHED WORK FROM PAINT.
- 3.3

APPLICATION OF PAINT: DO NOT THIN, ADULTERATE OR CHANGE MATERIALS EXCEPT AS RECOMMENDED BY MANUFACTURER. EMPLOY ONLY SKILLED MECHANICS FOR WORK. ALL PAINTING SHALL BE BRUSHED, SPRAYED OR ROLLED EVENLY FOR THOROUGH COATS WITHOUT RUNS, SAGS OR OTHER BLEMISHES. ALLOW EACH COAT TO DRY BEFORE APPLYING SUBSEQUENT COATS. ALL SURFACES TO RECEIVE A MINIMUM OF 2 COATS AS NECESSARY TO ACHIEVE AN APPROVED FINISH. APPLICATION OF PAINT, ETC., SHALL BE IN STRICT COMPLIANCE WITH MANUFACTURER'S DIRECTIONS.
- 3.4

CLEANUP: CLEAN UP ALL DEBRIS CAUSED BY THE WORK OF THIS SECTION, KEEPING THE PREMISES CLEAN AND NEAT AT ALL TIMES.

SECTION IX CANOPIES

PART 1 - GENERAL

- 1.1

SCOPE: THIS SECTION COVERS THE FURNISHING AND INSTALLATION OF ALL ITEMS FOR THE INSTALLATION OF A COMPLETE GASOLINE CANOPY INCLUDING:
- 1.1.1

COMPLETE FABRICATION DRAWINGS INCLUDING FOOTINGS DESIGN.
- 1.1.2

COMPLETE ABOVE GROUND STRUCTURAL SUPPORT SYSTEM.
- 1.1.3

STEEL ROOF DECK AND GUTTER, 20 GA WHITE EMBOSSED.
- 1.1.4

ROOF BRACING.
- 1.1.5

CAP FLASHING.
- 1.1.6

DOWN SPOUTS - INTERNAL INSIDE COLUMNS.
- 1.1.7

PERMITS AND INSPECTIONS DONE BY OTHERS.
- 1.1.8

INSTALLATION AND FRAMING FOR OWNER SUPPLIED FASCIA SIGNS (ELECTRICAL BY OTHERS).
- 1.1.9

INSTALLATION AND FRAMING FOR FASCIA MATERIAL AS PER OWNER SPECIFICATIONS.

PART 2 - PRODUCTS

- 2.1

EMBOSSED ROOF STEEL DECK: ROOF STEEL DECK SHALL BE 2 1/4" MINIMUM DEEP, 20 GAUGE HIGH REFLECTIVE WHITE STEEL WITH MINIMUM SECTION MODULES OF 0.25 IN 1/4 3 MOMENT OF INERTIA OF 0.030 IN 14/4 4. IN CERTAIN AREAS, ROOF DECK WILL BE ALUMINUM. VERIFY WITH LOCAL CONSTRUCTION MANAGER.
- 2.2

STRUCTURAL STEEL:
- 2.2.1

ALL STRUCTURAL STEEL TO BE A.S.T.M. A-36 AND SHALL COMPLY WITH THE STANDARD SPECIFICATIONS FOR STRUCTURAL STEEL FOR BUILDINGS OF A.I.S.C. AND WITH THE A.I.S.C. CODE OF STANDARD PRACTICE (LATEST EDITION).
- 2.2.2

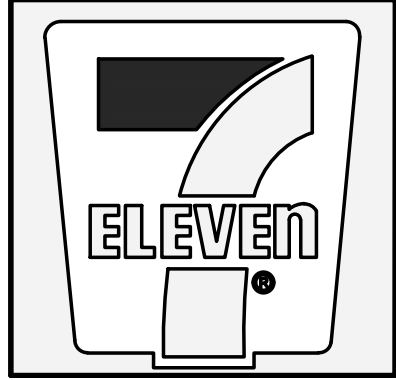
STRUCTURAL BOLTS SHALL CONFORM TO THE STANDARD SPECIFICATION A.S.T.M. A-307 AND SHALL BE PROVIDED WITH WASHERS UNDER THE NUTS.
- 2.2.3

ALL OTHER BOLTS SHALL BE A-307 AND SHALL CONFORM TO A.S.T.M. STANDARDS, WITH WASHER REQUIRED.
- 2.2.4

ALL HIGH STRENGTH BOLTS SHALL BE TORQUED TO PROVIDE A MINIMUM TENSION IN BOLT OF 90% OF MINIMUM PROOF LOAD OF THE BOLT.
- 2.2.5

TUBE COLUMNS SHALL COMPLY WITH A-500, GRADE B.
- 2.2.6

ALL TUBE COLUMNS SHALL BE 46 KSI STEEL. 2.2.7 ALL WELDING SHALL BE WITH E70XX ELECTRODES AND BE ACCOMPLISHED BY CERTIFIED WELDERS.



FUELING SPECIFICATIONS

THE OSCAR W LARSON COMPANY
SHOPS AT INDIAN TRAILS A.K.A. COCONUT CROSSING
SWC NORTHLAKE BLVD & COCONUT BLVD.
PALM BEACH GARDENS, FLORIDA 33412

DATE	NO.:	REVISION:	BY:

SCALE: AS SHOWN
DATE: 08-08-2025
DRAWN BY: LAR
CHECKED BY:
APPROVED BY:
PROPOSED GRADES BY:
S.S.#

Do Not Scale-Use Dimensions Only
* To the best of my knowledge, the plans and specifications are true and correct and I warrant that the same will be followed in the construction of the project.
DAMIAN D. LESLIE, P.E.
2751 W HILLSBORO AVE., SUITE 400
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PLANS PREPARED BY: MDM

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THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY DAMIAN D. LESLIE, P.E. ON 08/08/2025 AT 10:00 AM. THIS DOCUMENT IS NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

DAMIAN D. LESLIE, P.E.
FL REG # 73113

JOB # 25338

DWG # G16

PERFORMANCE SPECIFICATION - CONT.

SECTION IX CANOPIES - CONTINUED

PART 2 - EXECUTION

2.3	FASCIA:
2.3.1	VERTICAL SUPPORTS SHALL BE DESIGNED AND SPACED PER ENGINEERED (DESIGNED TO LOCAL CODES) STRUCTURAL DRAWINGS SUPPLIED BY CANOPY MANUFACTURER. SCREWS FOR FASCIA SHALL BE CARBON STEEL CADMIUM PLATED OR GALVANIZED - SIZE AS REQUIRED.
2.3.2	REFER TO PROJECT DRAWINGS FOR FASCIA MATERIAL AND INSTALLATION.
2.3.3	MATERIAL SHALL BE ONE OF THE FOLLOWING: A. PRE FINISHED METAL FASCIA SYSTEM. B. PRE FINISHED FASCIA MATERIAL AS SELECTED.
3.1	FABRICATION DRAWINGS:
3.1.1	CANOPY CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ENGINEERED AND STAMPED SHOP DRAWINGS FOR OVERHEAD STRUCTURE AND FOUNDATION SYSTEMS.
3.1.2	DRAWINGS SHALL SHOW PROJECT LOCATION AND ADDRESS.
3.1.3	ORIGINAL ENGINEER'S STAMP FOR APPROPRIATE PROVINCE SHALL BE AFFIXED TO EACH PAGE OF DRAWINGS.
3.1.4	SHOP DRAWINGS SHALL SPECIFICALLY CALL OUT SOILS REPORT NUMBER AND DATE FOR WHICH CANOPY FOOTINGS WERE DESIGNED.
3.1.5	SHOP DRAWINGS SHALL SPECIFICALLY CALL OUT SIZE, WEIGHT, TYPE AND NUMBER OF ALL STRUCTURAL MEMBERS.
3.1.6	ALL DESIGN LOADS SHALL COMPLY WITH CURRENT BUILDING CODES AND LOCAL BUILDING DEPARTMENT REQUIRED LOADINGS, WHICHEVER IS MOST STRINGENT. MINIMUM DESIGN LOADS SHALL BE CONSIDERED TO BE: WIND 100#, LIVE 35#, UPLIFT 35# AND DEAD LOAD 35# OR AS LOCAL STRUCTURAL DESIGN DICTATES. IF APPLICATION IS SUBJECT TO HIGH ALTITUDE (SNOW) LOADING, DESIGN SHALL BE ADJUSTED TO COMPLY ACCORDINGLY.
3.1.7	DEFLECTION OF ALL STRUCTURAL MEMBERS SHALL BE LIMITED TO SPAN/180 FOR L.L. ONLY.
3.1.8	ATTACH DECK STRUCTURAL SUPPORTS PER ENGINEERED DRAWINGS.
3.1.9	ROOF DECK SHALL BE AN I.C.B.O. APPROVED DIAPHRAGM DECK AND ATTACHED IN A MANNER THAT COULD BE CONSIDERED A DIAPHRAGM. AN ALTERNATE TO THIS IS 1/2" DIAMETER STEEL ROD DIAGONAL X-BRACING WITH TURNBUCKLES. LAYOUT OF ROD BRACING AND CONNECTIONS TO STRUCTURAL MEMBERS SHALL BE APPROVED BY STRUCTURAL ENGINEER.
3.1.10	CONCRETE FOOTINGS SHALL BE MADE WITH STONE AGGREGATE AND SHALL HAVE A COMPRESSIVE STRENGTH TO A MINIMUM 3000 LBS. PER SQUARE INCH WITHIN 28 DAYS AFTER POURING.
3.1.11	ALL FOUNDATION METAL REINFORCEMENT SHALL BE OF FORMED TYPE BARS (EXCEPT #2 BARS) AND SHALL CONFORM TO THE REQUIREMENTS OF THE "STANDARD SPECIFICATION A.S.T.M. 615 GRADE 4 40".
3.1.12	THE SHOP DRAWINGS SHALL EXPLICITLY SHOW LOCATION OF DOWN SPOUTS, INTERIOR PVC DRAINS, ETC., AS RELATED TO ANY AND ALL UTILITIES AND/OR PIPING AT COLUMN LOCATIONS. ROOF DRAINS AND LEADERS SHALL BE DIRECTED DOWN THE INTERIOR CANOPY COLUMN EXITING SIDE OF ISLAND LEVEL OR ABOVE FINISH GRADE OF CONCRETE SIDE PAD ON DOWNHILL SIDE OF ISLAND.
3.1.13	INCLUDE IN DESIGN PROVISION FOR OVERFLOW DEVICE AT OPPOSITE CORNERS OF CANOPY.
3.1.14	CONSTRUCTION NOT SPECIFICALLY INDICATED SHALL BE ACCOMPLISHED PER MINIMUM REQUIREMENTS OF THE UNIFORM BUILDING CODE, LATEST EDITION.
3.1.15	IF THERE ARE ANY CONFLICTS BETWEEN LINES ON DRAWINGS AND GENERAL NOTES OR WITH SPECIFICATIONS, THE MOST STRINGENT REQUIREMENTS GOVERN.
3.1.16	ANY DEVIATION FROM THE PLANS OR SPECIFICATIONS SHALL BE APPROVED BY 7-ELEVEN, INC.'S CONSTRUCTION REPRESENTATIVE.
3.1.17	FABRICATION DRAWINGS SHALL BE DELIVERED TO APPLICABLE CONSTRUCTION OFFICE A MINIMUM OF 4 WEEKS PRIOR TO COMMENCEMENT OF CONSTRUCTION. NO WORK SHALL COMMENCE PRIOR TO APPROVAL OF DRAWINGS BY 7-ELEVEN, INC.'S CONSTRUCTION REPRESENTATIVE.

PART 3 - GENERAL

SECTION IX CANOPIES - CONTINUED

PART 3 - GENERAL - CONTINUED

3.2	EXECUTION:
3.2.1	COORDINATE DELIVERY AND INSTALLATION WITH FUEL CONTRACTOR THROUGH LOCAL CONSTRUCTION OFFICE. MATERIALS SHALL BE STORED AT POSITION AS INDICATED BY FUEL CONTRACTOR.
3.2.2	CANOPY CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING FOOTING ANCHOR BOLTS AND TEMPLATE FOR DELIVERY TO FUEL CONTRACTOR 2 WEEKS PRIOR TO INSTALLATION. SIZE IN ACCORDANCE WITH SHOP DRAWINGS AND IN ACCORDANCE WITH FUELING CONTRACTOR'S SCHEDULE OF CONSTRUCTION.
3.2.3	FOOTINGS FOR CANOPY AND PLACEMENT OF ANCHOR BOLTS SHALL BE PERFORMED BY FUEL CONTRACTOR AS PER APPROVED SHOP DRAWINGS. TYPE OF CONCRETE SHALL BE AS PER SHOP DRAWINGS. TYPE, SIZE, AND PLACEMENT OF ALL REINFORCED STEEL SHALL BE AS PER SHOP DRAWINGS.
3.2.4	THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE STARTING WORK AND NOTIFY 7-ELEVEN, INC.'S CONSTRUCTION MANAGER IMMEDIATELY OF ANY DISCREPANCIES FOUND. REFER TO SITE PLAN FOR SIZE, TYPE AND PLACEMENT OF CANOPY.
3.2.5	CANOPY CONTRACTOR SHALL BE RESPONSIBLE FOR BEING PROPERLY LICENSED IN LOCAL INSTALLATION AS WELL AS PROVIDING OWN PERMITS AS MAY BE REQUIRED. A COPY OF THE PERMIT MUST BE ON FILE IN THE LOCAL CONSTRUCTION OFFICE PRIOR TO COMMENCING WORK.
3.2.6	CANOPY CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING CONSTRUCTION OFFICE WITH ACCEPTABLE INSURANCE AS REQUIRED PER 7-ELEVEN, INC. INSURANCE SPECIFICATIONS AND STANDARD CONTRACT FOR CONSTRUCTION. INSURANCE SHALL BE IN EFFECT FOR DURATION OF WORK.
3.2.7	CANOPY CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL WORK OF OTHER CONTRACTORS ALREADY IN PLACE, AS MAY BE REQUIRED.
3.2.8	CANOPY CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING AND OBTAINING APPROVAL OF FUEL CONTRACTOR PRIOR TO PLACING OF ANY HEAVY EQUIPMENT ON TOP OF CONCRETE WORK ALREADY IN PLACE.
3.2.9	ALL FOOTINGS SHALL BE ON FIRM UNDISTURBED SOILS OR FILL COMPACTED TO 95% MAXIMUM DENSITY BASED ON A.S.T.M. D 1557-70. IF ANY POOR SOIL CONDITION IS DISCOVERED DURING EXCAVATION, THE DESIGN ENGINEER SHALL BE NOTIFIED IMMEDIATELY FOR SOIL BEARING VERIFICATION.
3.2.10	SUPPORTING COLUMNS SHALL BE PLACED AS PER 7-ELEVEN, INC. GASOLINE PLANS AND AS PER APPLICABLE SITE PLAN.
3.2.11	CANOPY SUPPORT COLUMNS SHALL BE CAPPED AT TOP.
3.2.12	ALL MATERIALS SHALL BE ALIGNED TRUE AND FLAT AND ALL PLANES SHALL BE FLAT, TRUE TO ESTABLISHED LINES WITH ALL SOFFITS BEING LEVEL AND VERTICAL WALLS CORRECT AND ACCEPTABLE. PARAPET FASCIA SHALL BE VERTICAL AND PLUMB. ALL INTERSECTIONS SHALL BE TRUE AND STRAIGHTEDGE LINES. MATERIALS SHALL BE LEFT IN ACCEPTABLE CONDITION TO BE PAINTED BY OTHERS. ALL METAL SHALL BE FREE OF DEBRIS AS MAY BE REQUIRED FOR FINAL PAINTING/FINISHING.
3.2.13	FUEL CONTRACTOR SHALL BE RESPONSIBLE FOR NON-SHRINK GROUT BENEATH BASE PLATE AND POURING OF CONCRETE AROUND CANOPY COLUMNS, COVERING ANCHOR BOLTS AS MAY BE REQUIRED.
3.2.14	CANOPY CONTRACTOR SHALL LEAVE ALL EXPOSED STRUCTURAL STEEL FREE OF DEBRIS, PRIMED AND READY FOR FINAL PAINTING BY FUEL CONTRACTOR.
3.3	RESPONSIBILITIES OF FUEL CONTRACTOR:
3.3.1	SHALL BE RESPONSIBLE FOR A MINIMUM OF 30 DAY NOTIFICATION OF DATE WHEN SITE WILL BE READY FOR INSTALLATION OF GASOLINE CANOPY.
3.3.2	UPON AGREED DATE BETWEEN FUEL CONTRACTOR AND CANOPY CONTRACTOR, THE SITE SHALL BE FREE OF MATERIAL, MOVABLE EQUIPMENT AND DEBRIS, LEVEL AND IN PROPER CONDITION FOR CANOPY INSTALLATION. FUEL CONTRACTOR SHALL PERFORM SITE WORK AS MAY BE REQUIRED TO COMPLY.
3.3.3	FUEL CONTRACTOR SHALL NOT INSTALL GASOLINE DISPENSERS PRIOR TO CANOPY ERECTION, UNLESS AGREED UPON IN WRITING BETWEEN THE CANOPY INSTALLER AND FUEL CONTRACTOR.
3.3.4	GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF CANOPY FOOTINGS AS DESIGNED IN SHOP DRAWINGS PROVIDED BY CANOPY MANUFACTURER, PROVIDING ALL STEEL, ETC., (WITH THE EXCEPTION OF ANCHOR BOLTS TO BE PROVIDED BY CANOPY INSTALLER). FOOTINGS SHALL BE POURED IN A SUFFICIENT AMOUNT OF TIME, SO PROPER CURING TIME IS ALLOWED.
3.3.5	FUEL CONTRACTOR SHALL BE RESPONSIBLE FOR PAINTING OF ALL METAL AND TRIM AS RELATED TO THE GASOLINE CANOPY AS PER STANDARD COLOR REQUIREMENTS.
3.3.6	FUEL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WIRING AND INSTALLATION OF LIGHTS, SIGNS, SECURITY LIGHTS, ETC., IN CONJUNCTION WITH NORMAL GASOLINE INSTALLATION. G.C. SHALL CAULK SEAL ALL LIGHT FIXTURES TO CANOPY DECK.
3.3.7	FUEL CONTRACTOR SHALL BE RESPONSIBLE FOR LEAVING BLOCK OUTS AS MAY BY REQUIRED FOR INSTALLATION OF CANOPY IN ACCORDANCE WITH SHOP DRAWINGS, AND PLACEMENT OF ANCHOR BOLTS IN ACCORDANCE WITH SHOP DRAWINGS AS RELATED THERETO.
3.4	WARRANTIES: CANOPY CONTRACTOR SHALL WARRANTY, IN WRITING, COMPLETE CANOPY INSTALLATION FOR A MINIMUM PERIOD OF 2 YEARS. A 5 YEAR WARRANTY GUARANTEEING INSTALLATION TO BE FREE OF DESIGN AND INSTALLATION DEFECTS. EXCLUDING ACTS OF MAN, GOD AND NORMAL WEAR AND TEAR.
3.5	CLEAN-UP: CANOPY CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP AND REMOVAL FROM SITE ALL TRASH AND DEBRIS RESULTING FROM WORK RELATING TO INSTALLATION OF CANOPY.

SECTION X POST CONSTRUCTION TESTING REQUIREMENT

PROCEDURES FOR POST CONSTRUCTION TESTING

1.1 SCOPE OF WORK

THIRD PARTY TESTS ARE REQUIRED TO BE PERFORMED ON ANY POST CONSTRUCTION ACTIVITIES ASSOCIATED WITH NEW INSTALLATION, UPGRADE, REPLACEMENT OR REPAIR OF OR TO THE UNDERGROUND STORAGE TANK (UST) SYSTEMS, IF THE WORK INVOLVES PRODUCT PIPING, TANK SUMPS, DISPENSER SUMPS AND PANS OR SPILL CONTAINMENT BUCKETS.

TANKNOLOGY, INC IS CURRENTLY UNDER CONTRACT TO PERFORM ALL REQUIRED TESTS AS THE NATIONAL 3RD PARTY TESTING CONTRACTOR AND MUST BE USED TO PERFORM POST CONSTRUCTION TESTING TO ENSURE THAT 7-ELEVEN MAINTAINS CONTINUITY WITH THE COMPANY'S REGULATORY COMPLIANCE TESTING PROGRAM. THE ONLY EXCEPTION APPLIES IF PROVINCIAL AND LOCAL REGULATIONS REQUIRE THAT THE INSTALLATION CONTRACTOR PERFORM THE REQUIRED TESTS AND THE TESTS ARE WITNESSED ON SITE BY A REGULATORY ENTITY, IN THESE CASES THE INSTALLATION CONTRACTOR MUST SUBMIT DOCUMENTATION OF THE REGULATORY WITNESSED TESTS, AS WELL AS THE RESULT OF ANY SUCH TEST, DIRECTLY TO 7-ELEVEN, INC, COMPLIANCE DEPARTMENT.

IT WILL NOT BE NECESSARY FOR TANKNOLOGY TO RETEST A COMPONENT WHICH WAS TESTED BY THE CONTRACTOR, IF THAT TEST WAS WITNESSED BY A REGULATOR. IN THESE CASES THE CONTRACTOR MUST SUBMIT RESULTS OF THE TEST, AS WELL AS, COPIES OF REGULATOR INSPECTION REPORT WITHIN 48 HOURS OF COMPLETION OF THE TEST TO THE ADDRESS LISTED BELOW.

THE REQUIRED TESTS ARE DIVIDED INTO TWO CATEGORIES, PRE-FUEL TEST AND POST FUEL TEST.

THE TESTS PERFORMED DURING EACH PHASE ARE LISTED BELOW.

PRE-FUEL TEST - TEST PERFORMED BEFORE FUEL IS INTRODUCED OR DELIVERED INTO THE UST SYSTEM.

THE FOLLOWING TESTS ARE RECOMMENDED TO BE PERFORMED BEFORE FUEL IS INTRODUCED INTO THE UST SYSTEM:

PRE-FUEL TEST	ESTIMATED TEST DURATION
STP SUMPS	MINIMUM 4 HOURS
DISPENSER SUMPS/CONTAINMENT	MINIMUM 4 HOURS
SPILL CONTAINMENT BUCKETS	MINIMUM 1 HOUR

TANKNOLOGY MAY USE ONE OF THE FOLLOWING TEST METHODS: HYDROSTATIC, PRESSURE OR VACUUM.

WATER USED TO PERFORM THESE PRE-FUEL TESTS MAY BE DISCHARGED ON SITE AS LONG AS THE WATER WAS NOT IN CONTACT WITH ANY FUEL.

CONTRACTOR PREPARATION FOR PRE-FUEL (BEFORE DELIVERY) TESTING

- THE TANKS, PIPING AND DISPENSERS MUST BE ACCESSIBLE TO INCLUDE ASPHALT AND CONCRETE THAT CAN BE DRIVEN UPON.
- 110 VOLT AC CURRENT MUST BE AVAILABLE
- ALL PRODUCT PIPING, TANK SUMP, SPILL BUCKET AND DISPENSER SUMP/LINER WORK MUST BE COMPLETE AND COMPONENTS ACCESSIBLE.
- TEST VALVES MUST BE INSTALLED FOR THE SECONDARY PRODUCT PIPING.
- DISPENSERS DO NOT NEED TO BE IN PLACE AND PRODUCT PIPING DOES NOT NEED TO BE PURGED.
- AS AN OPTION TO SIGNIFICANTLY REDUCE TIME ON SITE, THE CONTRACTOR SHOULD FLOOD ALL TANK SUMPS AND DISPENSER SUMPS WITH CLEAN WATER THE NIGHT BEFORE THE SCHEDULED TESTING. WATER MUST BE ADDED TO A MINIMUM OF 3 INCHES ABOVE THE HIGHEST PENETRATION OR SEAM IN THE SUMP OR PAN.
- THE CONTRACTOR SHOULD ALLOW SEVERAL HOURS TO ALLOW THE WATER LEVEL TO STABILIZE AND MARK THE LEVEL OF THE WATER WITH A PERMANENT MARKER.

POST FUEL TEST - TEST PERFORMED AFTER FUEL IS INTRODUCED OR DELIVERED INTO THE UST SYSTEM.

POST-FUEL TEST	ESTIMATED TEST DURATION
TANK INTERSTICE	MINIMUM 1 HOUR PER TANK
TANK PRIMARY (TIGHTNESS)	MINIMUM 2 1/2 HOURS
LINE/PIPE INTERSTICE	MINIMUM 1 HOUR PER LINE/PIPE
LINE PRIMARY (TIGHTNESS)	COMPLETED DURING TANK TEST
LINE LEAK DETECTOR	COMPLETED DURING TANK TEST
*AUTOMATIC TANK GAUGE (ATG) CERTIFICATION	MINIMUM 2 HOURS
OTHER (AS REQUIRED BY PROVINCIAL OR LOCAL ORDINANCE	UNKNOWN

*DOES NOT INCLUDE NEW AUTOMATIC TANK GAUGE (ATG) INSTALLATION. CERTIFICATION OF NEW ATG IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR.

NOTE: WATER USED TO PERFORM TESTING OF (STP) SUMPS, DISPENSER SUMPS AND/OR SPILL BUCKETS, AFTER FUEL IS INTRODUCED/DELIVERED INTO THE UST SYSTEM CANNOT BE DISCHARGED ON SITE.

WATER THAT IS OR WAS IN CONTACT WITH FUEL MUST BE PROPERLY DISCHARGED IN ACCORDANCE WITH APPLICABLE FEDERAL PROVINCIAL, AND/OR LOCAL REGULATIONS.

CONTRACTOR PREPARATION FOR POST-FUEL (AFTER DELIVERY) TESTING

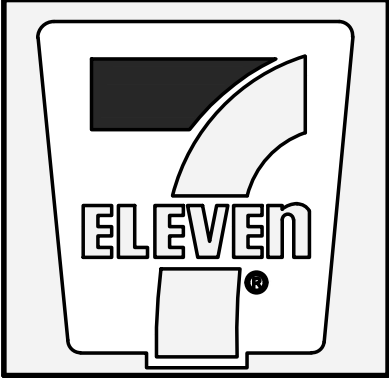
- THE FUEL LEVEL MUST BE BETWEEN 70-80 PERCENT OF TANK CAPACITY
- COMPARTMENTALIZED TANKS MUST HAVE FUEL LEVELS WITHIN 10" OF EACH OTHER.

IN STAGE II VAPOR RECOVERY AREAS THE FOLLOWING CONDITIONS MUST APPLY.

- ALL PRODUCT PIPING MUST BE THOROUGHLY PURGED OF AIR AND VAPORS.
- THE DISPENSERS MUST BE SET AND OPERATIONAL TO INCLUDE ALL VAPOR VACUUM PUMPS AND OTHER STAGE II EQUIPMENT FULLY FUNCTIONAL.
- ALL HANGING HARDWARE MUST BE INSTALLED AND OPERATIONAL
- THE TANKS, PIPING AND DISPENSERS MUST BE ACCESSIBLE TO INCLUDE ASPHALT AND CONCRETE THAT CAN BE DRIVEN UPON.
- 110 VOLT AC CURRENT MUST BE AVAILABLE
- TEST VALVES MUST BE INSTALLED FOR THE SECONDARY PRODUCT PIPING.

CONTRACTOR NOTIFICATION TO TESTING COMPANY (TANKNOLOGY):

IT IS RECOMMENDED THAT THE CONTRACTOR PROVIDE NOTIFICATION TO TANKNOLOGY OF THE NEED TO PERFORM TESTS AT LEAST 14 DAYS PRIOR TO THE ANTICIPATION TEST DATE. HOWEVER, TO ENSURE TESTS ARE CONDUCTED IN A TIMELY MANNER A MINIMUM OF FIVE (5) DAYS IS REQUIRED. TANKNOLOGY UNDERSTANDS THAT ACTUAL DATE MAY CHANGE, BY PROVIDING THEM WITH AS MUCH TIME AS POSSIBLE ALLOWING THEM TO MAINTAIN A TIME SLOT IN THEIR SCHEDULE TO SHIFT AS NECESSARY. THE CONTRACTOR MUST KEEP TANKNOLOGY APPRISED OF THE ANTICIPATED DATE AND TIME THAT THE TESTING WILL BE NEEDED AS PROJECTED DATES CHANGE.



FUELING SPECIFICATIONS

THE OSCAR W LARSON COMPANY
SHOPS AT INDIAN TRAILS A.K.A. COCONUT CROSSING
SWC NORTHLAKE BLVD & COCONUT BLVD.
PALM BEACH GARDENS, FLORIDA 33412

BY:									
REVISION:									
DATE:	No.:								

SCALE: AS SHOWN	DATE: 08-08-2025	PROPOSED GRADES BY:	
DRAWN BY: LAR		S.S.#	
CHECKED BY:			
APPROVED BY:			
Do Not Scale-Line Dimensions Only * To the best of my knowledge, the plans and specifications are true and correct, and I am not aware of any errors or omissions of the applicable building code, no warranty expressed or implied is hereby given. ...			

PLANS PREPARED BY: **MDM**

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