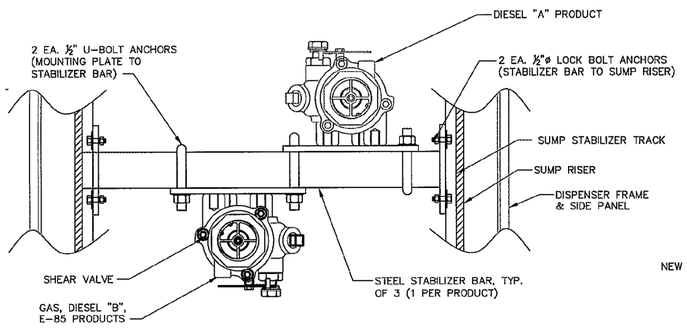
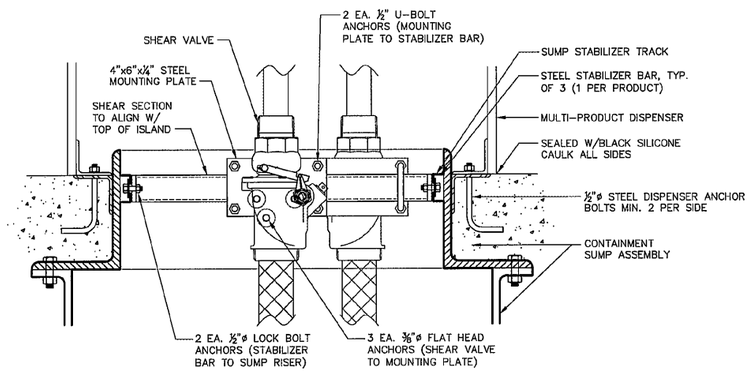


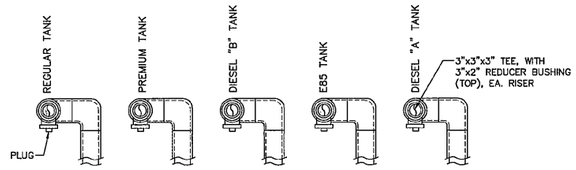
SHEAR VALVE ANCHOR DETAIL – PLAN

N.T.S.



SHEAR VALVE ANCHOR DETAIL – ELEVATION

N.T.S.



SECTION A–A (TYP.)

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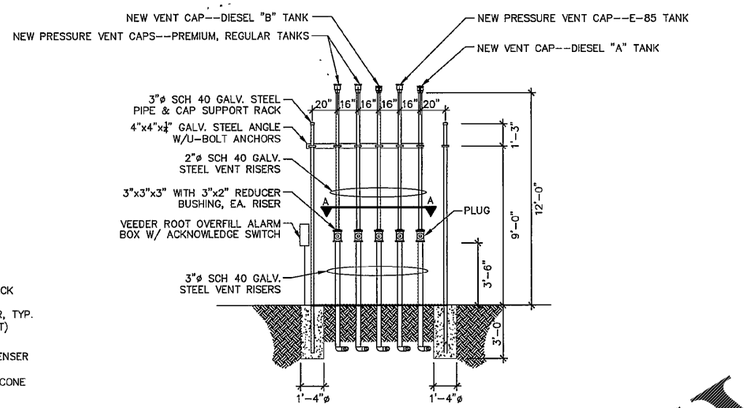
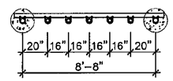


FRONT VIEW

N.T.S.

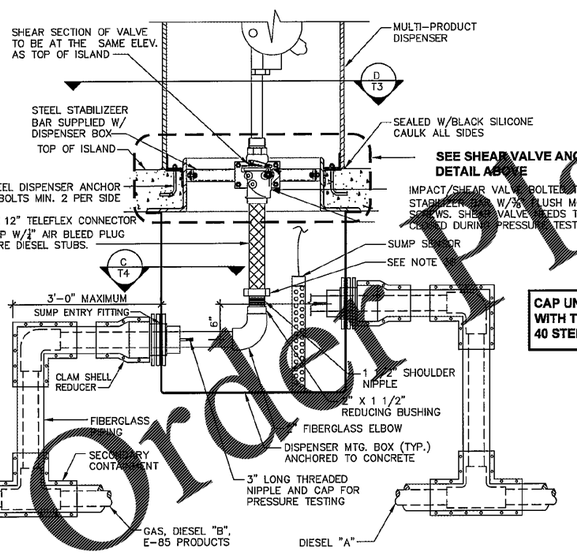


PLAN VIEW

N.T.S.

D / T4 VENT RISER DETAIL

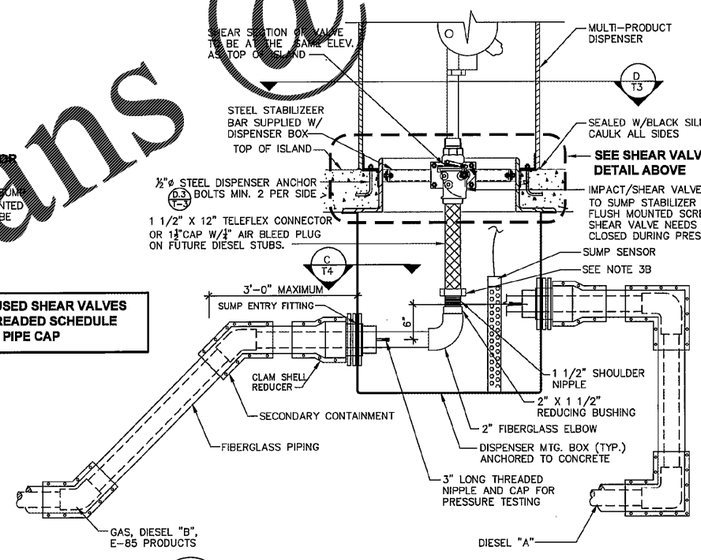
N.T.S.



CAP UN-USED SHEAR VALVES WITH THREADED SCHEDULE 40 STEEL PIPE CAP

B / T4 INTERMEDIATE DISPENSER CONNECTION DETAIL

N.T.S.



C / T4 END DISPENSER CONNECTION DETAIL

N.T.S.

MAY 7 2018 PART DESCRIPTION	SPECIFICATION	QUANTITY	FURN.	EQ. NUM.
UNDERGROUND STORAGE TANKS				
XERXES DOUBLE WALL FIBERGLASS, UL 1316, 10'ø, 20,000 GALLON UST W/XERXES MANUFACTURED DEADMAN ANCHORS.	XERXES CORPORATION DOUBLE WALL FIBERGLASS TANKS	ONE	OWNER	EQ-200
XERXES DOUBLE WALL FIBERGLASS, UL 1316, 10'ø, 20,000 GALLON UST COMPARTMENTED (10K-10K) W/XERXES MANUFACTURED DEADMAN ANCHORS.	SEE SITE PLAN FOR TANK CONFIGURATION	TWO	OWNER	EQ-200
42" SUMP COLLARS		SEE PLANS	OWNER	
HOLD DOWN STRAPS/TURNBUCKLES		SEE PLANS	OWNER	
TANK EQUIPMENT				
2 HP VARIABLE SUBMERGED TURBINE PUMP W/IFS-AG-COMPATIBLE	FE PETRO: COMPARTMENTED TANKS	1/COMPARTMENT	OWNER	EQ-335
4 HP VARIABLE SUBMERGED TURBINE PUMP W/IFS-AG-COMPATIBLE	FE PETRO: REGULAR TANK ONLY	2/TANK	OWNER	EQ-335
VARIABLE FREQUENCY CONTROLLER (VFC)	FE PETRO	1/STP	OWNER	
42" STP CONTAINMENT SUMPS, CURB MOUNT (TURBINE)	PETROLEUM CONTAINMENT TS424242-3CO	1/STP	OWNER	EQ-203
42" CONTAINMENT SUMPS, CURB MOUNT (VAPOR)	PETROLEUM CONTAINMENT TS424242-3CO	1/SPLIT TANK	OWNER	EQ-203
FLEXING TEE FLEX CONNECTOR ASSEMBLY W/EZ FIT	FLX-217MS-EZT	1/DIESEL STP	OWNER	
FLEXING ELBOW FLEX CONNECTOR ASSEMBLY W/EZ FIT	FLX-217MS-EZ90	1/GASOLINE STP	OWNER	
FLEXING ELBOW FLEX CONNECTOR ASSEMBLY W/EZ FIT	FLX-217MS-EZ90-SS	1/FUTURE STP	OWNER	
15 GALLON SPILL CONTAINER-FILL	EMCO WHEATON EW-A1004-EVR-215S	1/PRODUCT	OWNER	EQ-695
4" X 4" TIGHT FILL BRASS ADAPTER	EMCO WHEATON EW-A30-124	1/PRODUCT	OWNER	
4" TIGHT FILL CAP	EMCO WHEATON EW-A97-005	1/PRODUCT	OWNER	
4" DROP TUBE-17'	EW-A20-007	1/PRODUCT/TANK	OWNER	
REMOTE FILL CAGE	EMCO WHEATON #493436	1/DIESEL TANK	OWNER	
5 GALLON SPILL CONTAINER-VAPOR	EMCO WHEATON EW-A1004-211A-EVR	1/SITE	OWNER	EQ-594
VAPOR RECOVERY 4" X 4" ADAPTER-SWIVEL	EMCO WHEATON EW-A76-[illegible]	1/SITE	OWNER	
VAPOR RECOVERY 4" CAP	EMCO WHEATON EW-[illegible]-002		OWNER	
4" X 4" X 2" TEE EXTRACTOR FITTING (DIESEL PRODUCT)	OPW-233-4420	1/PRODUCT/TANK	OWNER	
4" X 4" X 3" X 2" EXTRACTOR FITTING (GASOLINE + FUTURE PRODUCT)	OPW-233-4432	1/PRODUCT/TANK	OWNER	
4" PIPE CAP	OPW-116-[illegible]	1/PRODUCT/TANK	OWNER	
O/F PREVENTION VALVE, EXCLUDING ATLANTA METRO AREA LOCATIONS	EMCO WHEATON [illegible]-A1100 GUARDIAN	1/PRODUCT/TANK	OWNER	EQ-414
O/F PREVENTION VALVE, ATLANTA METRO AREA LOCATIONS ONLY	OPW 71 SO	1/PRODUCT/TANK	OWNER	EQ-697
2" PRESSURE-VACUUM VENT CAP, GASOLINE, E85 & [illegible] PRODUCTS	OPW 723V	1/PRODUCT/TANK	OWNER	
2" VENT CAP, DIESEL	OPW-23-0003	1/PRODUCT/TANK	OWNER	
MONITORING WELL CASING WITH LOCKING CAP (ONLY WHERE REQUIRED)	VARIES	SEE PLAN	G.C.	
12" MONITORING WELL MANHOLE (ONLY WHERE REQUIRED)	VARIES	1/WELL	OWNER	
18" WATERTIGHT MANHOLE	[illegible]A717-018BD	SEE PLANS	OWNER	
24" WATERTIGHT MANHOLE	[illegible]-110-24WT	SEE PLANS	OWNER	
39" WATERTIGHT MANHOLE W/ ROTO LOCK	OPW CONQUISTADOR	1/STP SUMP	OWNER	
39" WATERTIGHT MANHOLE W/ ROTO LOCK	OPW CONQUISTADOR	1/TRANSITION SUMP	OWNER	
39" WATERTIGHT MANHOLE W/ ROTO LOCK	OPW CONQUISTADOR	1/VAPOR SUMP	OWNER	
TANK IDENTIFICATION PLATES	VARIES	1/PRODUCT	OWNER	
PRODUCT PIPING & TRANSITION SUMPS				
PRODUCT: 2" COAXIAL D/W FIBERGLASS PIPE	AMERON DUALOY 3000/LCX COAXIAL PIPE	SEE PLAN	G.C.	EQ-291
VAPOR RECOVERY: 4" S/W FIBERGLASS	AMERON DUALOY 3000/L PIPE	SEE PLAN	G.C.	EQ-378
VENT: 3" S/W FIBERGLASS	AMERON DUALOY 3000/L PIPE	SEE PLAN	G.C.	EQ-378
18" PCI TRANSITION SUMP (PIPING)	PETROLEUM CONTAINMENT TS484848-3BO	2/SITE	OWNER	EQ-203
DISPENSER EQUIPMENT				
MPD W/SPEAKER KIT, CARD READER AND CRIND	GILBARCO ENCORE 700S	SEE PLAN	OWNER	
MPD CONSOLE	RADIANT	1/SITE	OWNER	
MPD DISPENSER CONTAINMENT BOX WITH 4 STABILIZER BARS	PETROLEUM CONTAINMENT DCL-146360	1/MPD	OWNER	EQ-203
DISPENSER/PIPING SUMP ENTRY ADAPTERS	SMITH FG SP 4X3CR & SP-SE/FT-3	SEE PLAN	OWNER	
STAGE II DISPENSER/PIPING SUMP ENTRY ADAPTERS	SMITH FG SP-SE/FT-2SW	SEE PLAN	OWNER	
1 1/4" X 12" FLEX CONNECTOR	FLX-11212MMS-SS	4/MPD	OWNER	
TEST TEE AND 1" BALL VALVE (ONLY IN STAGE II AREAS)	SEE PLAN	1/MPD	G.C.	
HOSE/NOZZLE/BREAK-AWAY ASSEMBLY-GASOLINE (ASSEMBLED BY G.C.)	OPW 11BP SERIES OR EQUAL, UL LISTED AUTOMATIC NOZZLE, MAX. HOSE LENGTH = 18'-0"	2/MPD	OWNER	
HOSE/NOZZLE/BREAK-AWAY ASSEMBLY-DIESEL (ASSEMBLED BY G.C.)	OPW 11B OR EQUAL, UL LISTED AUTOMATIC NOZZLE, MAX. HOSE LENGTH = 18'-0"	2/MPD	OWNER	
1 1/2" EMERGENCY VALVE FEMALE	OPW 10P	5/MPD	OWNER	
PUMP TOPPERS	DISPENSER	SEE PLAN	OWNER	
ISLAND FORMS	FORMEX OR EQUAL	SEE PLAN	OWNER	
MISCELLANEOUS EQUIPMENT				
3/4" ELECTRICAL GROMMET		1/STP AND 1/MPD	OWNER	
1" ELECTRICAL GROMMET	OPW REF-XXXXC	2/STP-1	OWNER	
2" ELECTRICAL GROMMET		1/MPD	OWNER	
EXPLOSION PROOF ELECTRICAL JUNCTION BOX	CROUSE-HINDS	SEE PLAN	G.C.	
MONITORING EQUIPMENT				
TANK MONITOR & FUEL GAUGE	VEEDER ROOT TLS350 PLUS	1/SITE	OWNER	EQ-033
LINE LEAK DETECTOR	VEEDER ROOT 848480-001	1/PUMP	OWNER	EQ-271
INTERSTITIAL MONITORING	VEEDER ROOT 794390-420	1/TANK	OWNER	EQ-614
SUMP (STP, TRANSITION & DISPENSER) MONITORING	VEEDER ROOT 794380-208	1/SUMP	OWNER	EQ-197

NOTES:

1. ALL CLAMPS ON SECONDARY CONTAINMENT TO BE TORQUED TO 60 FT. LBS.
2. SEE SITE PLAN FOR SPECIFIC TANK AND DISPENSER QUANTITIES, LOCATIONS, CAPACITIES, ETC.
3A. ALL THREADED METAL PIPE CONNECTIONS TO BE MADE UP WITH GASOILA-E-SEAL FOR GASOLINE LINES AND JOMAR "THE HEAVYWEIGHT" FOR DIESEL LINES. NO SUBSTITUTIONS WILL BE ACCEPTED.
3B. ALL CONNECTIONS OF FIBER GLASS PIPE THREADED COUPLINGS TO METAL PIPE SHALL BE DONE USING 7000 OR 8000 SERIES ADHESIVE.
4. CONTRACTOR TO CHECK ALL FACTORY CONNECTIONS ON DISPENSER MOUNTING BOXES FOR ADEQUATE SEALING OF PRODUCT.
5. ALL FIBERGLASS PIPING & FITTINGS TO BE AMERON DUALOY 3000/LCX COAXIAL
6. ALL PIPING (PRODUCT, STAGE TWO VAPOR RECOVERY, SECONDARY CONTAINMENT) TO SLOPE 1/8" PER FOOT BACK TO TANK.
7. USE ONLY 8000 OR 7000 SERIES ADHESIVES TO JOIN PRIMARY PRODUCT AND SECONDARY CONTAINMENT PIPE AND FITTINGS (DS-8014, DS-8024, DS-8055, DS-8069, DS-7014, DS-7024, OR DS-7069 ADHESIVE KITS) FOR ALCOHOLS AND ALCOHOL-GASOLINE MIXTURES. WHEN JOINING SECONDARY CONTAINMENT FITTINGS, A SPECIAL FILLER FROM SMITH FIBERGLASS PRODUCTS MUST BE ADDED TO THE 8000 AND 7000 SERIES ADHESIVES. WHEN USING THESE ADHESIVES, FOLLOW THE INSTRUCTIONS PACKAGED WITH EACH ADHESIVE KIT.
8. ALL DISPENSER BOX PENETRATIONS TO BE TESTED WITH WATER FOR LEAKS PRIOR TO BACKFILLING AROUND BOX.
9. ALL STAGE TWO VAPOR RECOVERY LINES TO BE BLOCK TESTED BY G.C. PRIOR TO PAVING OVER PIPING.
10. G.C. RESPONSIBLE FOR PAINTING ALL EXPOSED METAL ON VENT RISERS AND SUPPORTS.
11. ALL GALVANIZED RISER PIPE & FITTINGS THAT COMES IN CONTACT WITH BACKFILL SOIL OR PEA GRAVEL IS TO BE COATED WITH A BITUMINOUS COATING AND WRAPPED W/3M TAPE FOR CORROSION PROOFING.
12. ACCESS TO SECONDARY IS OPEN IN AT LEAST ONE FITTING IN THE SUMP.
13. ALL EXPOSED CONDUIT, PIPING & SUPPORT STRUCTURES PAINTED BRONZE TO MATCH BOLLARDS.
14. ALL PIPING AND ELECTRICAL INSTALLATIONS MUST CONFORM TO ALL APPLICABLE REGULATIONS INCLUDING NFPA30, FLAMMABLE & COMBUSTIBLE LIQUIDS CODE; NFPA30A, AUTOMOTIVE & MARINE SERVICE STATION CODE; NFPA70, NATIONAL ELECTRICAL CODE. DO NOT "DAISY CHAIN" THE DISPENSER POWER CIRCUIT TO ANY OTHER EQUIPMENT.
15. SLOPE PIPING FROM TANK TO DISPENSER UPWARDS, AVOIDING AIR OR LIQUID TRAPS.
16. USE UNIVERSAL JOINTS AT DISPENSER TO ALLOW FOR GROUND MOVEMENT.
17. USE ANY OR ALL CONDUIT TAPS SHOWN TO MAKE ELECTRICAL CONNECTIONS TO DISPENSER.
18. FIRMLY MOUNT DISPENSER TO THE ISLAND USING THE ANCHOR BOLT LOCATIONS SHOWN.
19. BREAKAWAY DEVICES ARE EXAMPLES OF REQUIREMENTS STATED IN THE NFPA30A AUTOMOTIVE & MARINE SERVICE STATION CODE. THESE, AS WELL AS ANY OTHER SAFETY DEVICES REQUIRED BY NFPA30 & 30A, MUST BE INSTALLED AND MAINTAINED PER THE MANUFACTURER'S INSTRUCTIONS.
20. SPEAKER INSTALLATION WIRING IS LOCATED IN JUNCTION BOX. CONNECT INTERCOM CIRCUIT TO A LISTED CLASS 2 POWERED INTERCOM ONLY WITH BELDEN #88723, 22GA, 2-PAIR, 300 VOLT, SHIELDED CABLE. WIRES BACK TO INTERCOM CONSOLE MUST BE RUN IN SEPARATE DEDICATED CONDUIT.
21. **ALL EQUIPMENT USED FOR E85 FUEL SHALL BE COMPATIBLE WITH THE PRODUCT.**

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ISSUE/REVISION RECORD

DATE	DESCRIPTION

RaceTrac.
RACETRAC PETROLEUM, INC.
3225 CUMBERLAND BOULEVARD
SUITE 100
ATLANTA, GEORGIA 30339
(770) 431-7600

PROJECT NAME

EAST MAIN ST.

CARTERVILLE
GEORGIA
1325 E. MAIN ST.

RACETRAC PROJECT NUMBER
1310

PLAN SERIES
2011 BR-RH-M90 0801

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PROFESSIONAL SEAL

GEORGIA REGISTERED No. PE013897 PROFESSIONAL ENGINEER RICHARD R. MORRIS
JUL 18 2018
RICHARD R. MORRIS
GA REG # PE013897

PROJECT NUMBER
18154

SHEET TITLE
DISPENSER DETAILS

SHEET NUMBER
RT-T4.0

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