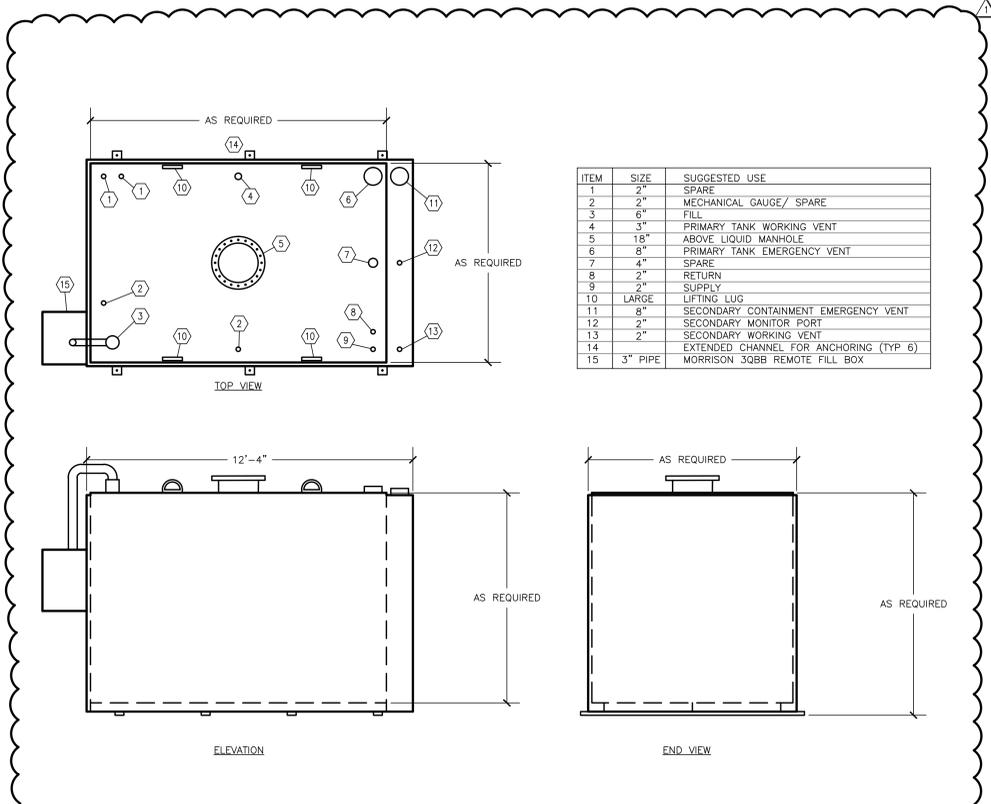


Plumbing Legend		
ABBR.	SYMBOL	DESCRIPTION
S OR W	---	SEWER OR WASTE BELOW GRADE / FLOOR
S OR W	---	SEWER OR WASTE ABOVE GRADE / FLOOR
V	---	VENT
CW	---	COLD WATER
HW	---	HOT WATER SUPPLY
HWR	---	RECIRCULATING HOT WATER
	MA	MEDICAL AIR
	MV	MEDICAL VACUUM
	O	OXYGEN
	NO	NITROUS OXIDE
	N	NITROGEN
	G	GAS - LOW PRESSURE
	A	WATER HAMMER ARRESTOR, LETTER = SIZE
WHA	+	HOSE BIBB
HB	+	HOSE BIBB
VTR	+	VENT THRU ROOF
CO, WCO	+	CLEANOUT, WALL CLEANOUT
GCO, FCO	+	GRADE, FLOOR CLEANOUT
FD	+	FLOOR DRAIN
WH	+	WATER HEATER
	D	DRAIN PIPING
GV, SOV	+	GATE VALVE, SHUT OFF VALVE
BV	+	BALL VALVE
TDV	+	TRIPLE DUTY VALVE
CV	+	CHECK VALVE
FCV	+	FLOW CONTROL VALVE
STR	+	STRAINER
	+	UNION
BFP	+	BACKFLOW PREVENTER
BFV	+	BUTTERFLY VALVE
	+	RISER DOWN
	+	RISER UP
	+	DROP
	+	RISER UP
	+	BRANCH - TOP CONNECTION
	+	BRANCH - BOTTOM CONNECTION
	+	BRANCH - SIDE CONNECTION
	+	CAP ON END OF PIPE
DIA	+	DIAMETER
TYP	+	TYPICAL
GPM	+	GALLONS PER MINUTE
AFF, BFF	+	ABOVE, BELOW FINISHED FLOOR
AFG, BFG	+	ABOVE, BELOW FINISHED GRADE
POC	+	POINT OF CONNECTION
POD	+	POINT OF DISCONNECT
F.H.C.	+	FIRE HOSE CABINET
W.S.P.	+	WET STANDPIPE
S.C.	+	SILVER COLLECTION
ODL	+	OVERFLOW DRAIN LEADER
RDL	+	ROOF DRAIN LEADER
RD	+	ROOF DRAIN
OFD	+	OVERFLOW DRAIN
CRD	+	COMBINATION MAIN AND OVERFLOW DRAIN
F.A.	+	FROM ABOVE
F.B.	+	FROM BELOW
T.B.	+	TO BELOW
FOS	+	FUEL OIL SUPPLY
FOR	+	FUEL OIL RETURN

1 FUEL OIL PIPING DIAGRAM - DEMOLITION & NEW WORK

NONE



2 FUEL TANK (FT-3) DETAIL

NONE

GENERAL NOTES:

A. TANK REMOVAL

- VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATION.
- PRIOR TO REMOVAL OF EXISTING TANK, REMOVE ALL LIQUID FROM TANK, DISCONNECT AND DRAIN ALL PIPING AND SENSORS EXCEPT FOR VENT PIPING, TRIPLE RINSE TANKS, TAKE LEL READING IN PRESENCE OF LOCAL FIRE MARSHAL, AND IF RATING IS ABOVE 20%, CONTRACTOR SHALL PURGE TANK w/ DRY ICE AT A RATE OF 1.5# PER 100 GALLON TANK CAPACITY. WHEN READING IS BELOW 20%, REMOVAL WORK MAY PROCEED. COMPLETE REMOVAL PROCESS SHALL BE IN ACCORDANCE WITH API 1604.
- COMPLETE REMOVAL PROCESS SHALL BE IN STRICT ACCORDANCE WITH STATE OF NEVADA DIVISION OF ENVIRONMENTAL PROTECTION (NDEP) AND WASHOE COUNTY DISTRICT HEALTH DEPARTMENT. CONTACT WCDHD AT 328-2434 30 DAYS PRIOR TO REMOVAL & FOR MOST CURRENT REQUIREMENTS.

B. INSTALLATION

- INSTALL NEW TANK PER MANUFACTURERS RECOMMENDATIONS AND AS SHOWN ON DRAWINGS.
- ANCHOR NEW TANK SUPPORTS TO NEW CONCRETE SLAB AS NOTED ON STRUCTURAL DRAWINGS.

C. FUEL

- CONTRACTOR SHALL BE RESPONSIBLE FOR TRANSFERRING AND/OR STORAGE OF ALL FUEL, FROM THE EXISTING TANKS BEING REMOVED, TO THE NEW TANK. COMPLETE TRANSFER OF FUEL AND ANY REQUIRED CLEAN-UP SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

D. DISPOSAL

- CONTRACTOR IS RESPONSIBLE FOR PROPER DISPOSAL OF ALL REMOVED FUEL OIL AND ANY CONTAMINATED SOILS IN COMPLETE ACCORDANCE WITH STATE OF NEVADA HEALTH DEPARTMENT AND ALL EPA STANDARDS.

GENERAL NOTES CONT'D:

E. TESTING

- ISOLATE PIPING FROM TANK AT TANK FITTING AND SUBJECT SUPPLY AND RETURN PIPING TO AN AIR TEST AT 60 PSI FOR A 4-HOUR PERIOD WITH NO LOSS OF PRESSURE.
- TEST BOTH INNER AND OUTER TANK PRIOR TO INSTALLATION AND AFTER INSTALLATION AS RECOMMENDED BY MANUFACTURER.
- TEST RUN ALL EQUIPMENT.
- AFTER EXISTING, BELOW GRADE FUEL TANK IS REMOVED, CONTRACTOR TO INSPECT HOLE FOR EVIDENCE OF SOIL CONTAMINATION AND SHALL BE RESPONSIBLE FOR SOIL TESTS IN ACCORDANCE WITH MOST CURRENT NDEP REQUIREMENTS. TEST SHALL INCLUDE AS A MINIMUM A TPH (TOTAL PETROLEUM HYDROCARBON) TEST AT TWO LOCATIONS. TEST SHALL BE DONE BY A LICENSED TESTING AGENCY, ALPHA ANALYTICAL, INC., (355-1044) OR EQUAL.
- IF TESTS INDICATE CONTAMINATION, ADDITIONAL EXCAVATION WILL BE REQUIRED TO CLEAN UP SITE, CONTACT VA COTR REPRESENTATIVE TO MAKE ARRANGEMENTS FOR ADDITIONAL COSTS INCLUDED FOR SITE CLEAN UP.
- CONTRACTOR TO OBTAIN WRITTEN CERTIFICATION FROM GOVERNING AUTHORITIES THAT NEW TANK INSTALLATION IS IN COMPLETE COMPLIANCE WITH ALL CURRENT REQUIREMENTS.

Sheet Index

Plumbing	PP000	Plumbing Legend, Schedules, Details and Sheet Index
Plumbing Remodel	PP101	Fuel Oil Piping Demolition & New Work Plans

PLUMBING FIXTURE SCHEDULE

FT-3  
CUSTOM PROTECTED 5,000 GALLON, ABOVE GRADE VAULT TANK, UL 2085 LABELED DOUBLE WALL FUEL STORAGE TANK WITH EPOXY EXTERIOR FINISH. SUPPLY WITH MORRISON 30BB REMOTE FILL BOX WITH 2" FILL LIMITER VALVE WITH DROP TUBE, QUICK CONNECT AND LOCKABLE COVER, 6" EMERGENCY VENT FOR BOTH PRIMARY AND SECONDARY TANKS, EMERGENCY GENERATOR PACKAGE INCLUDING 2" UPFLOW VENT WITH RISER PIPE, DOUBLE TAPPED BUSHING WITH 1" INTERNAL SUCTION AND RETURN LINE, MORRISON BROS. 818-0100AG CLOCK GAUGE, AND SEISMIC ANCHORS. CONTAINMENT SOLUTIONS HOOPER VAULT OR EQUAL.

DT-2  
100 GALLON, ABOVE GRADE, UL 142 LABELED, DOUBLE WALL FUEL STORAGE TANK WITH EPOXY COATING INSIDE AND EXTERIOR PAINT. SUPPLY WITH DUPLEX SUPPLY PUMPS AND MOTORS, AUTOMATIC TRANSFER SWITCH FOR LEAD/LAG CONFIGURATION, PISTON TYPE HAND PUMP (DUAL ACTION), REVERSE FLOW CONTROLLER COMPLETE WITH PUMP AND MOTOR, 60 MESH FUEL FILTER. PRYCO MODEL PY100ULDW WITH LISTED ACCESSORIES, OR EQUAL.

ELEC: (2) 20AMPS/ 115VOLT/ 1PHASE

NOTES

COMPLETE LAYOUT DRAWINGS SHALL BE REQUIRED BY PARAGRAPH, SUBMITTALS. CONSTRUCTION WORK SHALL NOT START ON ANY SYSTEM UNTIL THE LAYOUT DRAWINGS HAVE BEEN APPROVED.

Bid Documents

<b>CONSULTANTS:</b>   PETTY & ASSOCIATES, INC. MECHANICAL ENGINEERING CONSULTANTS 1375 GREG STREET, SUITE 106 SPARKS, NEVADA 89431 (775) 358-5777 FAX: 358-1119	<b>ARCHITECT/ENGINEERS:</b> <b>H+K ARCHITECTS</b> 5485 Reno Corporate Dr., Ste. 100 Reno, Nevada 89511-2262 P 775-332-6640 F 775-332-6642 hkarchitects.com	Drawings Title <b>PLUMBING LEGEND, SCHEDULES, DETAILS &amp; SHEET INDEX</b>	Project Title <b>UPGRADE EMERGENCY POWER FOR SPECIALTY CLINIC</b>	Project Number <b>654-12-904</b>	Office of Construction and Facilities Management 
		Approved: Project Director	Location <b>975 Kirman Avenue, Reno, NV. 89502</b>	Building Number <b>10</b>	
PROPOSAL RFI #10 Revisions:	Date <b>6/2/14</b>	Date <b>September 11, 2013</b>	Checked <b>RA</b>	Drawn <b>EM</b>	Department of Veterans Affairs