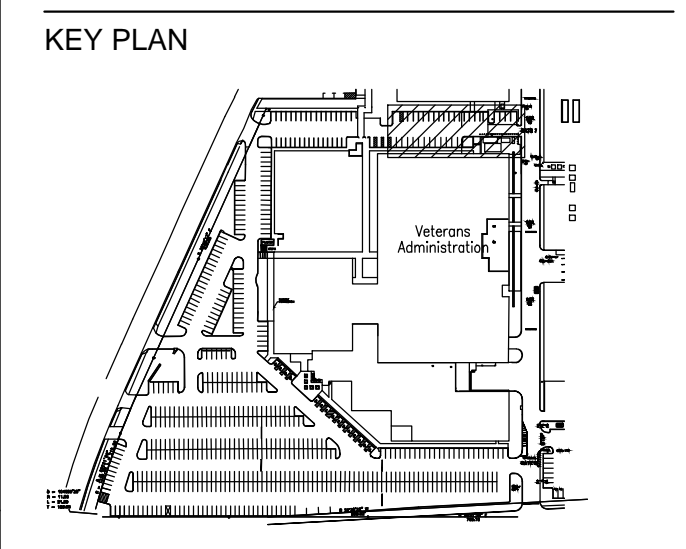


- TRIPLEX FUEL OIL SUPPLY PUMPSSET CONTROL PANEL**
- 10" HMI TOUCHSCREEN
 - HSA SWITCHES FOR EACH PUMP
 - SEPARATE MOTOR STARTER PANEL
 - VISUAL & AUDIBLE ALARMS FOR PUMPSSET DEVICES
 - TRIPLEX PUMPSSET WILL ALTERNATE PUMPS AND HAVE ONE LEAD AND TWO LAG PUMPS AT ALL TIMES. IN THE EVENT OF A PUMP FAILURE THE CONTROL PANEL WILL SWITCH TO THE NEXT PUMP WITHIN 15 SECONDS OF FAILURE. FAILURE WILL BE DETECTED BY THE FLOW SENSOR.
 - REDUNDANT PLC-PRODUCTIVITY PLC BY AUTOMATION DIRECT
 - DUAL POWER FEED HARDWARE
 - EACH CALL FOR FUEL WILL BE SUPPLIED BY MAIN TANK WITH THE HIGHEST LEVEL OF FUEL.
 - DIRECT CONTROL OF MAIN STORAGE TANK SOLENOID VALVES. WHEN SUPPLY SOLENOID OPENS ON MAIN STORAGE TANK THE RETURN SOLENOID ASSOCIATED WITH THAT TANK WILL OPEN AS WELL.
 - ETHERNET FEED TO MASTER FUEL OIL CONTROLLER TO MONITOR ALARMS AND ACTIVITY
- MASTER FUEL OIL CONTROLLER**
- 10" HMI TOUCHSCREEN
 - VISUAL & AUDIBLE ALARMS FROM ALL FUEL OIL SUB PANELS
 - GRAPHICAL DISPLAY OF ALL SUB PANELS
 - REDUNDANT PLC-PRODUCTIVITY PLC BY AUTOMATION DIRECT
 - DUAL POWER SUPPLY HARDWARE
 - DAY TANK REFRESH AFTER 30 DAYS
 - DUAL POWER FEED HARDWARE
 - EACH CALL FOR FUEL WILL BE SUPPLIED BY MAIN TANK WITH THE HIGHEST LEVEL OF FUEL.
 - WHEN SUPPLY SOLENOID OPENS ON MAIN STORAGE TANK THE RETURN SOLENOID ASSOCIATED WITH THAT TANK WILL OPEN AS WELL.
 - IBC OUTPUT WILL CONSIST OF (B) DRY CONTACTS
- FUEL OIL AUTOMATED FILTRATION CONTROL PANEL**
- 10" HMI TOUCHSCREEN
 - HSA SWITCHES FOR EACH PUMP
 - SEPARATE MOTOR STARTER PANEL
 - VISUAL & AUDIBLE ALARMS FOR FILTRATION DEVICES
 - MANUAL OPTION ON TOUCHSCREEN TO TRANSFER FUEL FROM ONE TANK AND TRANSFER TO THE OTHER. REMINDER / SHUTDOWN WILL PROMPT EVERY 5 MINUTES OF MAKE SURE IT IS NOT LEFT IN USE. IF MAIN STORAGE TANK FUEL LEVEL IS 90% OR GREATER, THE TANK WILL NOT BE ABLE TO RECEIVE A TRANSFER OF FUEL FROM ANOTHER MAIN STORAGE TANK.
 - FILTRATION UNIT WILL ONLY OPERATE IF THERE IS NO CALL FOR FUEL. IF A CALL FOR FUEL TO SUPPLY GENERATOR DAY TANK OCCURS DURING FILTRATION OPERATION, FILTRATION UNIT WILL CLOSE VALVES AND SHUT DOWN FILTRATION PUMP.
 - ALARM WILL OCCUR WHEN PRESSURE TRANSDUCER DETECTS AN UNUSUAL OPERATING PRESSURE. TO LET THE END USER KNOW THAT FILTER ELEMENTS NEED TO BE REPLACED AND TO MANUAL SWITCH TO THE ADDITIONAL BANK OF FILTERS FOR IMMEDIATE USE.
 - ADJUSTABLE SCHEDULE THROUGH PANEL PROGRAMMING
 - ETHERNET FEED TO MASTER FUEL OIL CONTROLLER TO MONITOR ALARMS AND ACTIVITY

GENERATOR AND UPS #7 AND #8 AND RELATED WORK
Project Number: ePM 49164 Building Number: TX1182AT
 Austin Information Technology Center (AITC)
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FUEL OIL FLOW DIAGRAM