CONSTRUCTION NOTES:
1. ALL PRESSURE VESSELS CONSTRUCTED AS NON-CODE.
   WORKING PRESSURE DESIGN IS 100 PSIG WITH A TEST PRESSURE OF 130 PSIG.
   MATERIAL IS FIBERGLASS REINFORCED COMPOSITE MATERIAL.
2. STRUCTURAL STEEL SKID TO BE SANDBLASTED TO A
   COMMERCIAL BLAST AND COATED WITH 3-5 MILS OF THINNER SERIES 1135 SAVOY
   SAFETY BLUE EPOXY.
3. ALL PRESSURE VESSEL INTERNAL DISTRIBUTORS TO BE SCH 80 PVC WITH FINE
   SLOTTED NOZZLES.
4. ALL AUTOMATIC FLOW VALVES TO BE "Y" PATTERN DIAPHRAGM OPERATED GLOBE
   VALVES MANUFACTURED OF ENGINEERING THERMOPLASTIC WITH PVC CONNECTIONS AND TRIM.
   ALL STRONG CHEMICAL VALVES TO BE PVC BALL VALVES WITH SPRING RETURN ACTUATOR.
5. ALL MANUAL ISOLATING VALVES TO BE QUARTER TURN BALL VALVES WITH EPDM
   SEALS AND SCREWED CONNECTIONS.
6. ALL EXTERNAL PIPING TO BE SCH 80 PVC. ALL EXTERNAL FITTINGS AND FLANGES
   TO BE SCH 80 PVC WITH SOCKET WELD CONNECTIONS. SOME ITEMS MAY BE
   THREADED WHEN REQUIRED.
7. ALL PNEUMATIC VALVE CONTROL TUBING TO BE 1/4" OD POLYETHYLENE BLACK
   TUBING. ALL TUBING TO BE NEATLY BUNDLED TO PIPING MANIFOLDS.
8. ALL ELECTRICAL CONTROL ENCLOSURES TO BE NEMA 4 WITH MANUFACTURER'S
   STANDARD PAINT.
9. ALL EXTERIOR HIGH VOLTAGE (115V OR HIGHER) WIRING TO BE CONTAINED IN
   EMT STEEL CONDUIT WITH LIQUID TIGHT FITTINGS. CONDUIT RUNS 6" OR
   SHORTER MAY BE CONTAINED IN LIQUID TIGHT FLEXIBLE CONDUIT SUITABLE
   FOR OUTDOOR USE. ALL EXTERIOR LOW VOLTAGE CONDUIT (24V OR LOWER) WILL
   BE 3 WIRE CABLE NEATLY BUNDLED WITH THE MANIFOLD PIPING.
10. FLOW RATES (CATION):
    SERVICE: 56 GPM
    BACKWASH: 35 GPM
    ACID DRAW: 2.3 GPM (CONCENTRATED)
    SLOW RINSE: 12 GPM
    FAST RINSE: 56 GPM
11. FLOW RATES (ANION):
    SERVICE: 50 GPM
    BACKWASH: 20 GPM
    CAUSTIC DRAW: 0.7 GPM (CONCENTRATED)
    SLOW RINSE: 12 GPM
    FAST RINSE: 56 GPM
12. ION EXCHANGE MEDIA (CATION)
    MANUFACTURER: RESINTECH
    TYPE: CG-8
    QTY PER VESSEL: 25 CU FT.
    BED DEPTH: 39" (CONCENTRATED)
    TYPE OF REGENERANT: 30% HCL
    QTY OF REGENERANT: 6# PER CU FT. OF RESIN
13. ION EXCHANGE MEDIA (ANION)
    MANUFACTURER: RESINTECH
    TYPE: SBG-2
    QTY PER VESSEL: 25 CU FT.
    BED DEPTH: 39" (CHLORIDE FORM), 47" (HYDROXIDE FORM)
    TYPE OF REGENERANT: 50% NAOH
    QTY OF REGENERANT: 6# PER CU FT. OF RESIN
14. SHIPPING WEIGHTS:
    EQUIPMENT ONLY: 1,500 LBS
    TOTAL: 3,635 LBS