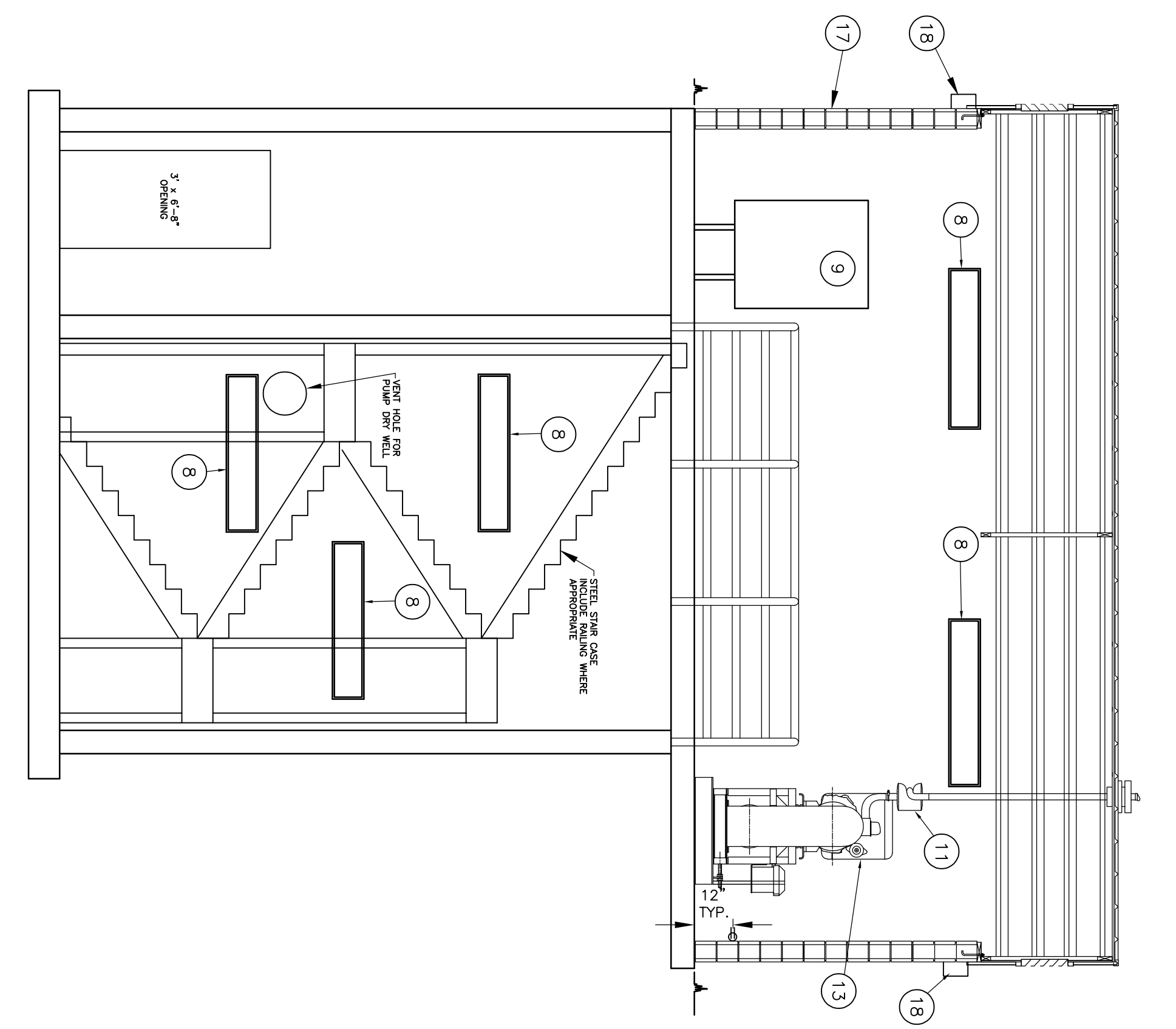
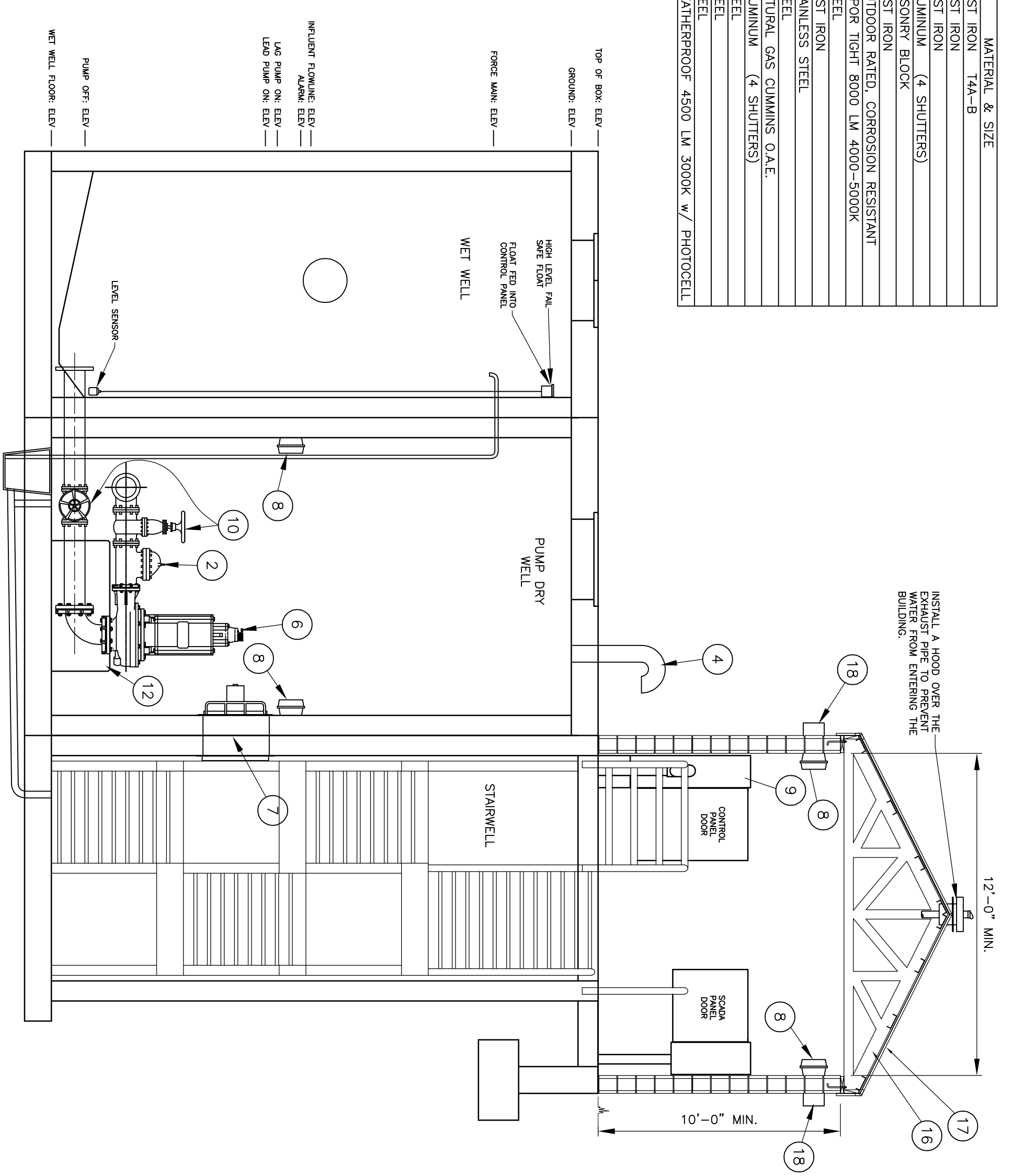


ITEM	DESCRIPTION	MATERIAL & SIZE
1	PUMP	CAST IRON 14-B
2	DISCHARGE CHECK VALVE	CAST IRON
3	VALVE AIR RELEASE VALVE	ALUMINUM (4 SHUTTERS)
4	INTAKE VENT ASSY	ALUMINUM
5	STATION ENCLOSURE	MASONRY BLOCK
6	MOTOR	CAST IRON
7	EXHAUST FAN ASSY	OUTDOOR RATED, CORROSION RESISTANT
8	LED LIGHT FIXTURE	VAPOR TIGHT 8000 LM 4000-5000K
9	CONTROL PANEL	STEEL
10	CONTROL VALVE	STEEL
11	EXHAUST SILENCER	STAINLESS STEEL
12	PUMP & MOTOR BASE ASSY	STEEL
13	NATURAL GAS STANDBY GENERATOR	NATURAL GAS CUMMINS Q.A.E.
14	BELT GUARD ASSY	ALUMINUM (4 SHUTTERS)
15	ROOF TRUSSES	STEEL
16	ROOF TRUSSES	STEEL
17	METAL INSULATED ROOF W/ FLASHING	WEATHERPROOF 4500 LM 3000K W/ PHOTOCELL
18	LED LIGHT FIXTURE	WEATHERPROOF 4500 LM 3000K W/ PHOTOCELL



LIFT STATION CROSS SECTION
N.T.S.

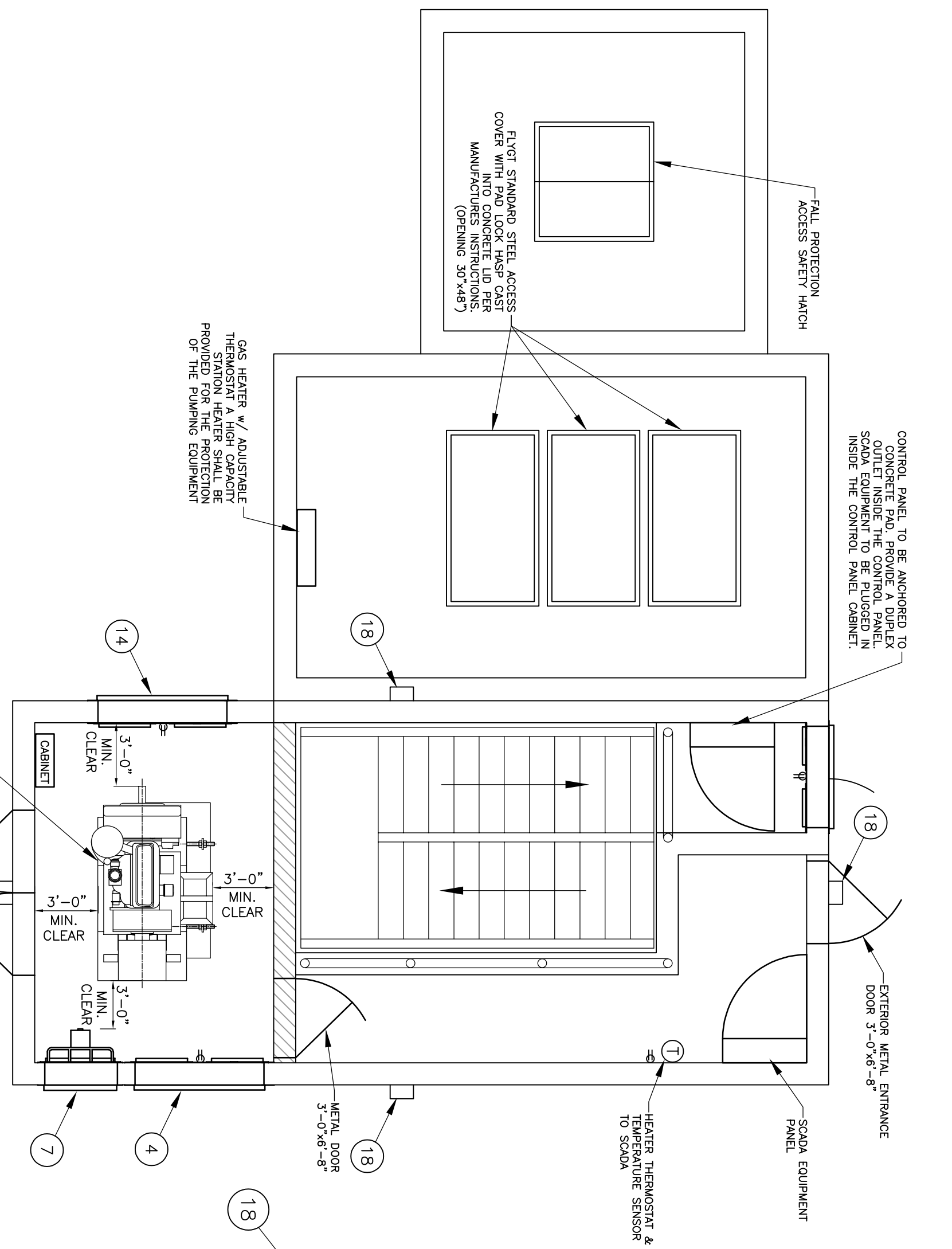
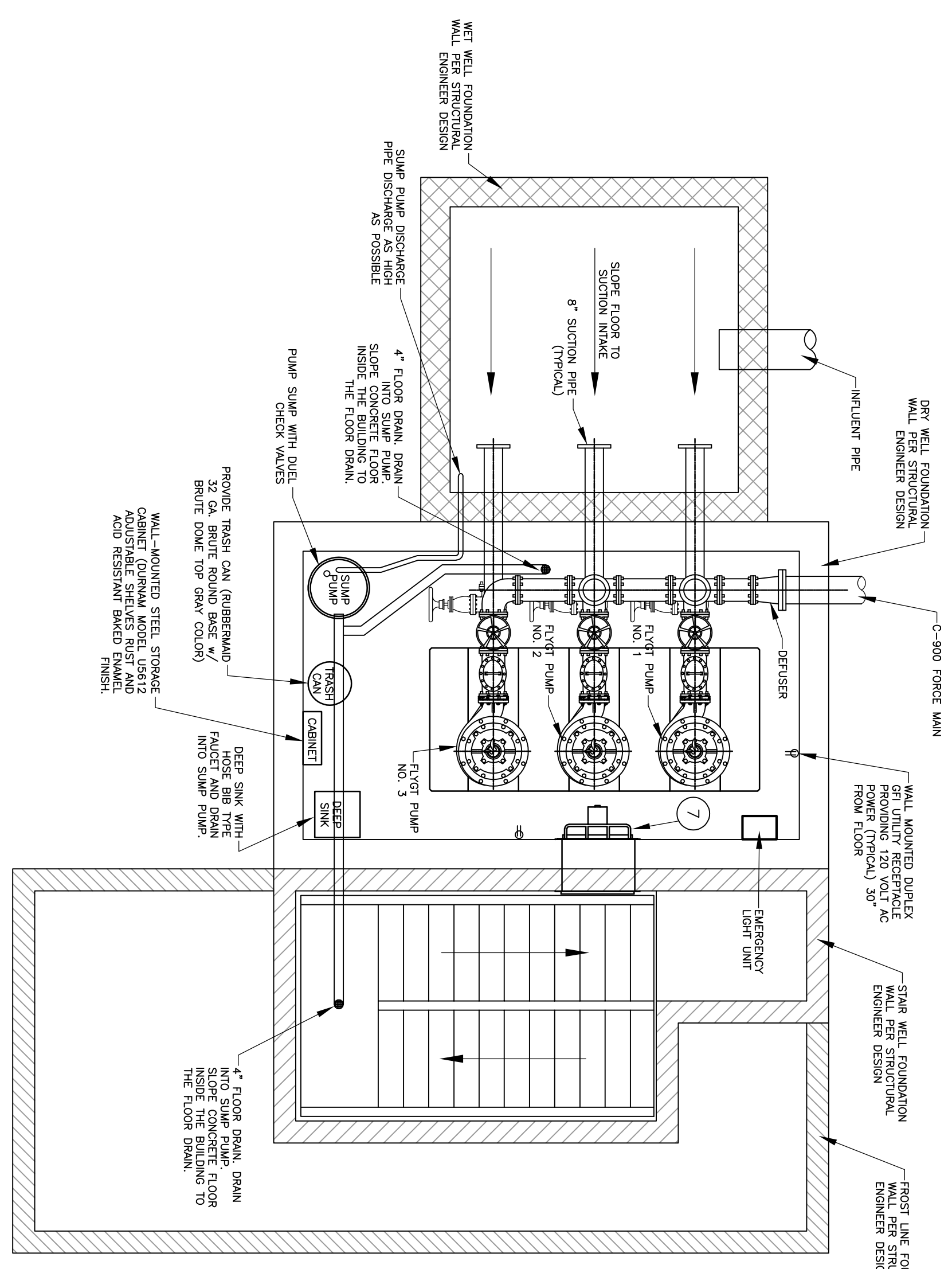
LIFT STATION CROSS SECTION
N.T.S.

GENERAL NOTES:

- NEED 3 PHASE POWER 480-VOLT W/ CONNECTION FOR AUXILIARY GENERATOR.
- BETWEEN PUMP SKIDS AND BUILDING FLOOR, VIBRATION ISOLATION PADS SHALL BE INSTALLED. SKIDS SHALL BE ANCHORED TO CONCRETE FLOOR AND VIBRATION ISOLATION PADS SHALL BE INSTALLED IN SMALL ENOUGH PICES TO FIT UNDER PADS.
- THE PUMP STATION SHALL BE TIED TO THE CEDAR CITY SCADA SYSTEM. PROVIDE AN SUBMITTALS ON ALL EQUIPMENT TO BE USED. THE SCADA SYSTEM MUST INCLUDE AN INTEGRATED VIBRATION MONITORING SYSTEM. PROVIDE A VIBRATION MONITORING SYSTEM IN THE LIFT STATION BUILDING. BUILDING TEMPERATURE SENSOR, HIGH LEVEL ALARM, MOTOR RUN, MOTOR FAIL ALARM, AND WET WELL LEVEL AND FLOW METER AND MAIN POWER METER.
- ALL CONDUITS AND UTILITIES COMING INTO THE BUILDING MUST COME IN THROUGH THE CONCRETE FLOOR SLAB. NO CONDUITS OR UTILITIES WILL ENTER THE BUILDING THROUGH THE WALLS. A SPARE 2" CONDUIT MUST BE STUBBED INTO THE BUILDING THROUGH THE FLOOR SLAB FOR FUTURE USE.
- THE WET WELL MUST BE LOCATED FACING THE STREET OR ACCESS ROAD SO THAT IT CAN BE EASILY ACCESS BY THE CITY'S SEWER CLEANING TRUCK.
- THE SOIL UNDERNEATH ALL CONCRETE SLABS MUST BE OVER EXCAVATED AND RE-COMPACTED PER THE RECOMMENDATIONS GIVEN IN THE SOILS REPORT.
- THE CONCRETE SLAB MUST BE POWERED INTO THE WETWELL WITH #4 REBAR @ 16" O.C. TO PREVENT DIFFERENTIAL SETTLEMENT OF THE SLABS.
- CULINARY WATER SERVICE MUST BE PROVIDED TO THE LIFT STATION SITE. INSTALL A BRASS BACKFLOW PREVENTER ON THE SITE WITH THE MAIN LINE. (SEE SUBMITTALS FOR BRASS BACKFLOW PREVENTER INTO THE SITE STANDARD DETAIL 57.) REFER TO THE LIFT STATION SITE PLAN STANDARD DETAIL 57.
- SLOPE THE ENTIRE SITE AWAY FROM THE LIFT STATION BUILDING AT A MINIMUM 2% SLOPE TO PREVENT WATER FROM FLOWING ON THE SITE.
- MINIMUM LIFT STATION AREA IS 60' X 60', FENCED PER UDOT DETAIL NO. FG-6 W/ A 16" WIDE DOUBLE SWING GATE. REFER TO THE LIFT STATION SITE PLAN STANDARD DETAIL 57.
- SEAL ALL OPENINGS THRU CONCRETE PAD INTO STATION ENCLOSURE GAS TIGHT.
- A GAS TIGHT FLOOR DRAIN IS REQUIRED IN THE BUILDING. SLOPE THE CONCRETE FLOOR TO THE FLOOR DRAIN. DRAIN INTO THE WETWELL.
- THE FOLLOWING UTILITIES MUST BE RUN TO THE LIFT STATION SITE. THERE ARE NO EXCEPTED UTILITIES TO BE INSTALLED AT THE LIFT STATION SITE. ALL UTILITIES MUST BE APPROVED BY THE CITY ENGINEER PRIOR TO INSTALLATION: NATURAL GAS SO CENTRAL FIBER IF AVAILABLE CULINARY WATER
- THE CONTROL PANEL MUST BE ANCHORED TO THE CONCRETE PAD.
- PROVIDE A DUPLEX OUTLET INSIDE THE CONTROL PANEL. SCADA EQUIPMENT MUST BE FLOODED IN INSIDE THE CONTROL PANEL.
- THE BUILDING SHALL COME EQUIPPED WITH A 12-VOLT DC EMERGENCY LIGHTING SYSTEM THAT WILL PROVIDE 50 WATTS OF ILLUMINATION FOR 1-1 1/2 HOURS IN THE EVENT OF AN EMERGENCY.
- THE MINIMUM BUILDING DIMENSIONS ARE 12' WIDE X 20' LONG. THERE MUST BE AT LEAST 3' OF CLEARANCE ALL AROUND HEIGHT CLEARANCE MUST ALLOW FOR THE LIFTING BEAM TO BE TALL ENOUGH TO LIFT THE PUMP EQUIPMENT UP AND OVER THE OTHER EQUIPMENT.
- THIS DETAIL DRAWING DOES NOT TAKE THE PLACE OF STAMPED ENGINEERING SUBMITTALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND SUBMITTALS. SHOP DRAWINGS, ENGINEERING CALCULATIONS, AND STAMPED CONSTRUCTION DRAWINGS MUST BE SUBMITTED TO THE CITY ENGINEER FOR ALL PERMITS AND SUBMITTALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND SUBMITTALS. THIS DRAWING IS PROVIDED TO SHOW THE MINIMUM CLEARANCES THAT MUST BE MET.
- 120-VOLT ELECTRICAL OUTLETS MUST BE LOCATED A MINIMUM OF 12' ABOVE THE FLOOR.
- SUBMITTALS ARE REQUIRED FOR ALL LIGHTS, FANS, HEATER, ELECTRICAL EQUIPMENT, ALL EQUIPMENT IN THE LIFT STATION PRIOR TO COMPLETION OF THE PROJECT.
- THE CONTROL PANEL SHALL BE EQUIPPED WITH AN CORSETT SCADA SYSTEM TO PROVIDE CONTACT WITH CITY PERSONNEL ON ALL ALARM POINTS.

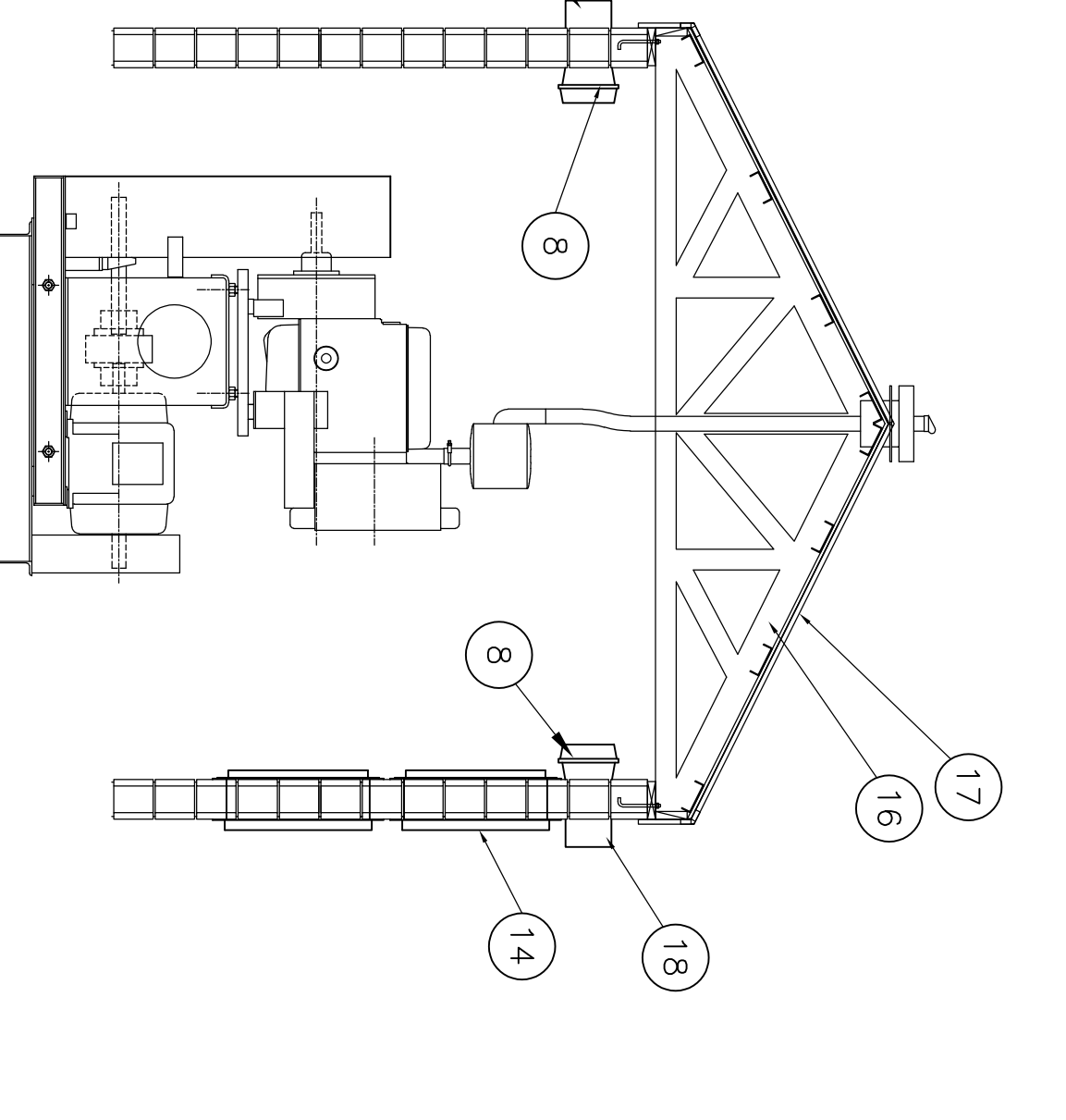
NOTE:

* WETWELL, THE SIZE OF THE WETWELL AND THE DISTANCE FROM THE INVERT OF THE INFLUENT LINE TO THE CONCRETE PAD SHOULD BE PROPERLY DESIGNED TO PREVENT SHORT SIGHTING OF ELECTRIC WIRES AND CONDUITS. PROVIDE TO PREVENT SHORT SIGHTING OF ELECTRIC WIRES AND CONDUITS.



WET & DRY WELL PLAN VIEW
N.T.S.

GROUND FLOOR PLAN VIEW
N.T.S.



NATURAL GAS GENERATOR
SIDE ELEVATION
N.T.S.

SHEET NO.
S6
FILE:
S06.DWG

**FLOODED SUCTION
SEWER LIFT STATION**

DATE	DESCRIPTION	BY

CEDAR CITY
10 NORTH MAIN STREET
CEDAR CITY, UTAH 84720
PH. (435) 586-2963

SCALE:
N.T.S.
DATE:
7/2021
DRAWN:
T.B.M.
CHECKED:
J.A.S.