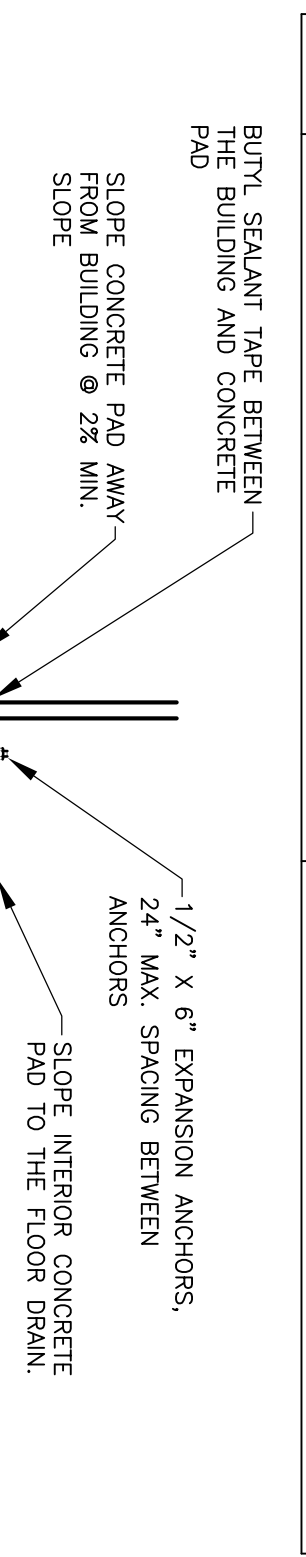
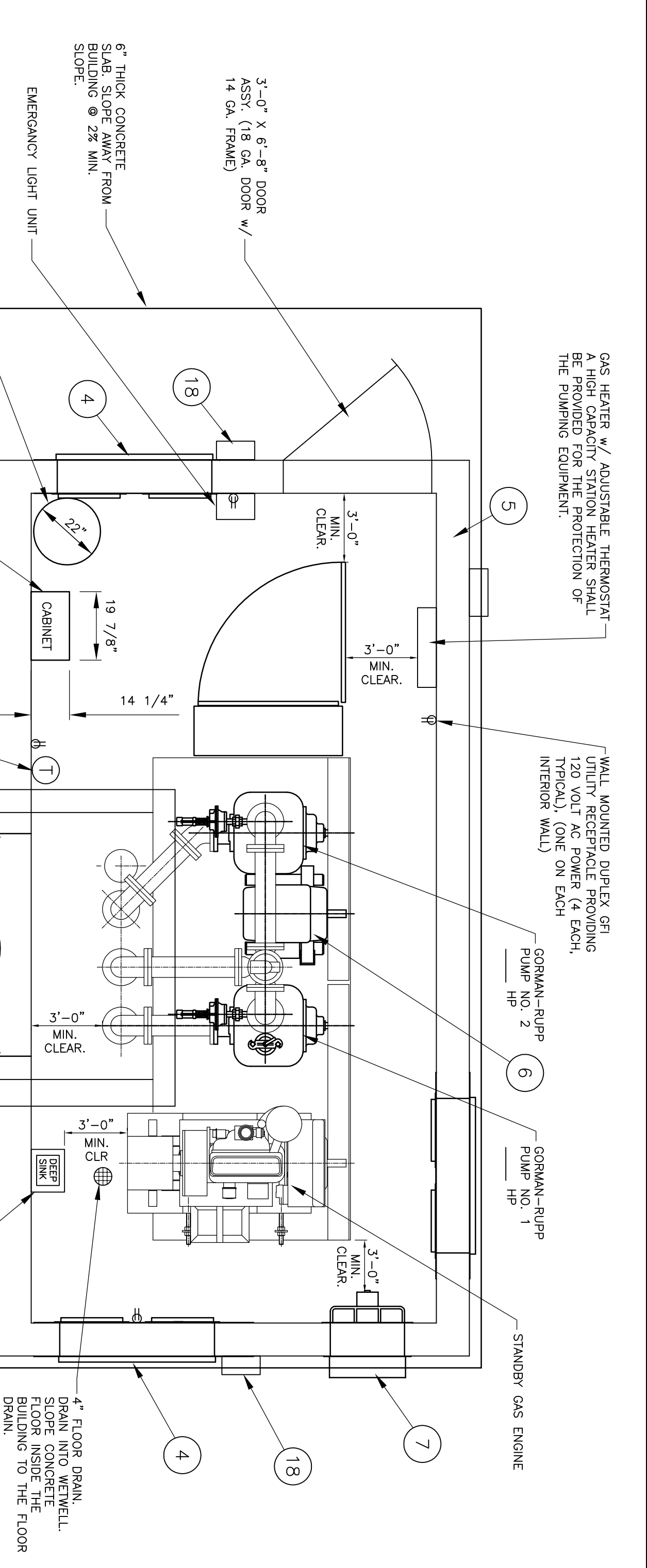


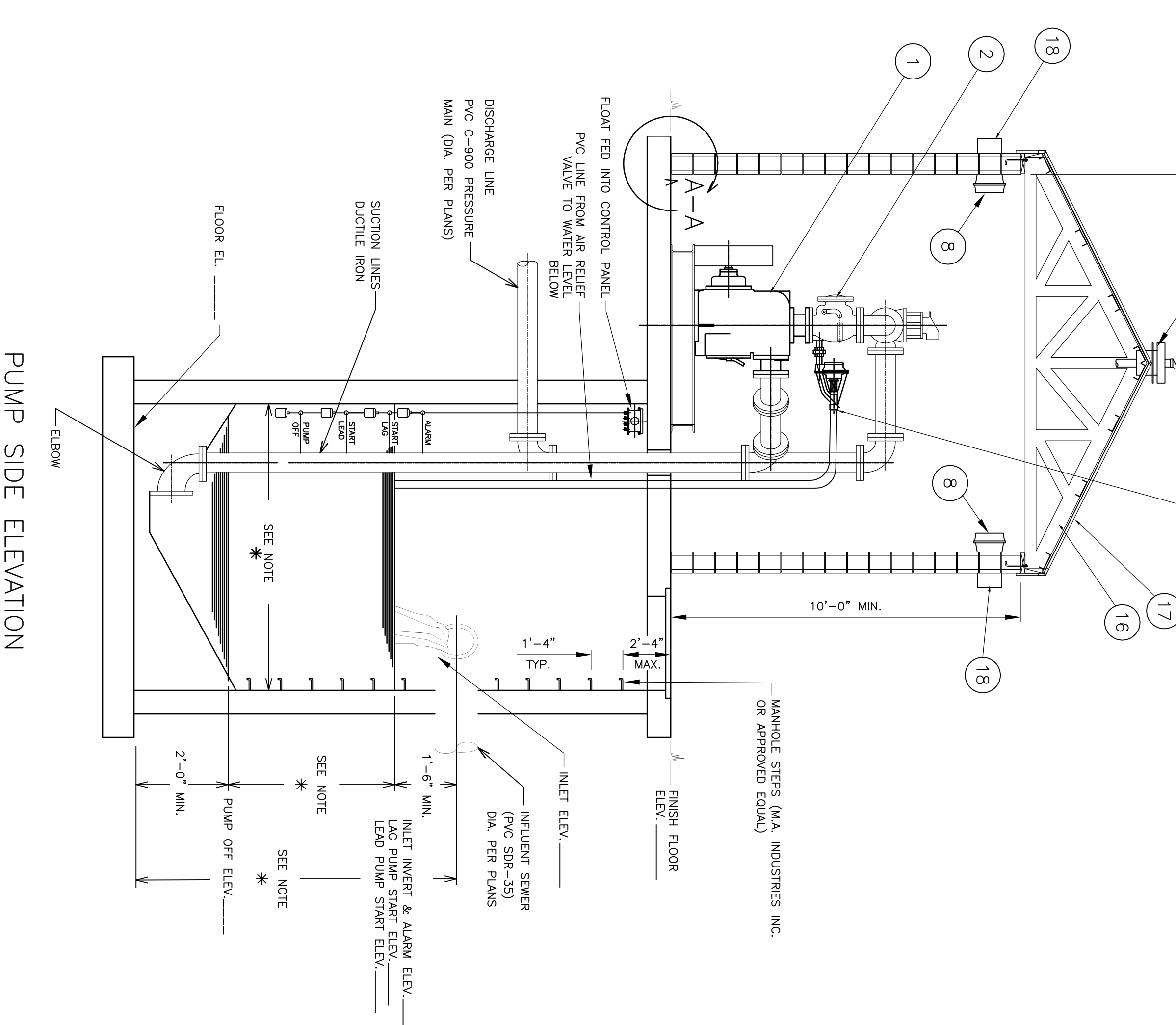
ITEM	DESCRIPTION	MATERIAL & SIZE
1	PUMP	CAST IRON T4A-B
2	DISCHARGE CHECK VALVE	CAST IRON
3	AIR RELEASE VALVE	CAST IRON
4	INTAKE VENT ASSY	ALUMINIUM (4 SHUTTERS)
5	STATION ENCLOSURE	MASONRY BLOCK
6	MOTOR	CAST IRON
7	EXHAUST FAN ASSY	1600 CFM
8	LED LIGHT FIXTURE	120 WATT EQUIVALENT LED FIXTURE
9	CONTROL PANEL	STEEL
10	DISCHARGE PLUG VALVE	CAST IRON 3-WAY
11	EXHAUST SILENCER	STAINLESS STEEL
12	PUMP & MOTOR BASE ASSY	STEEL
13	ENGINE (NISSAN)	LIQUID COOLED
14	EXHAUST VENT ASSY	ALUMINIUM (4 SHUTTERS)
15	BELT GUARD ASSY	STEEL
16	ROOF TRUSSES	STEEL
17	METAL INSULATED ROOF w/ FLASHING	STEEL
18	LED LIGHT FIXTURE	175 WATT EQUIVALENT LED FIXTURE



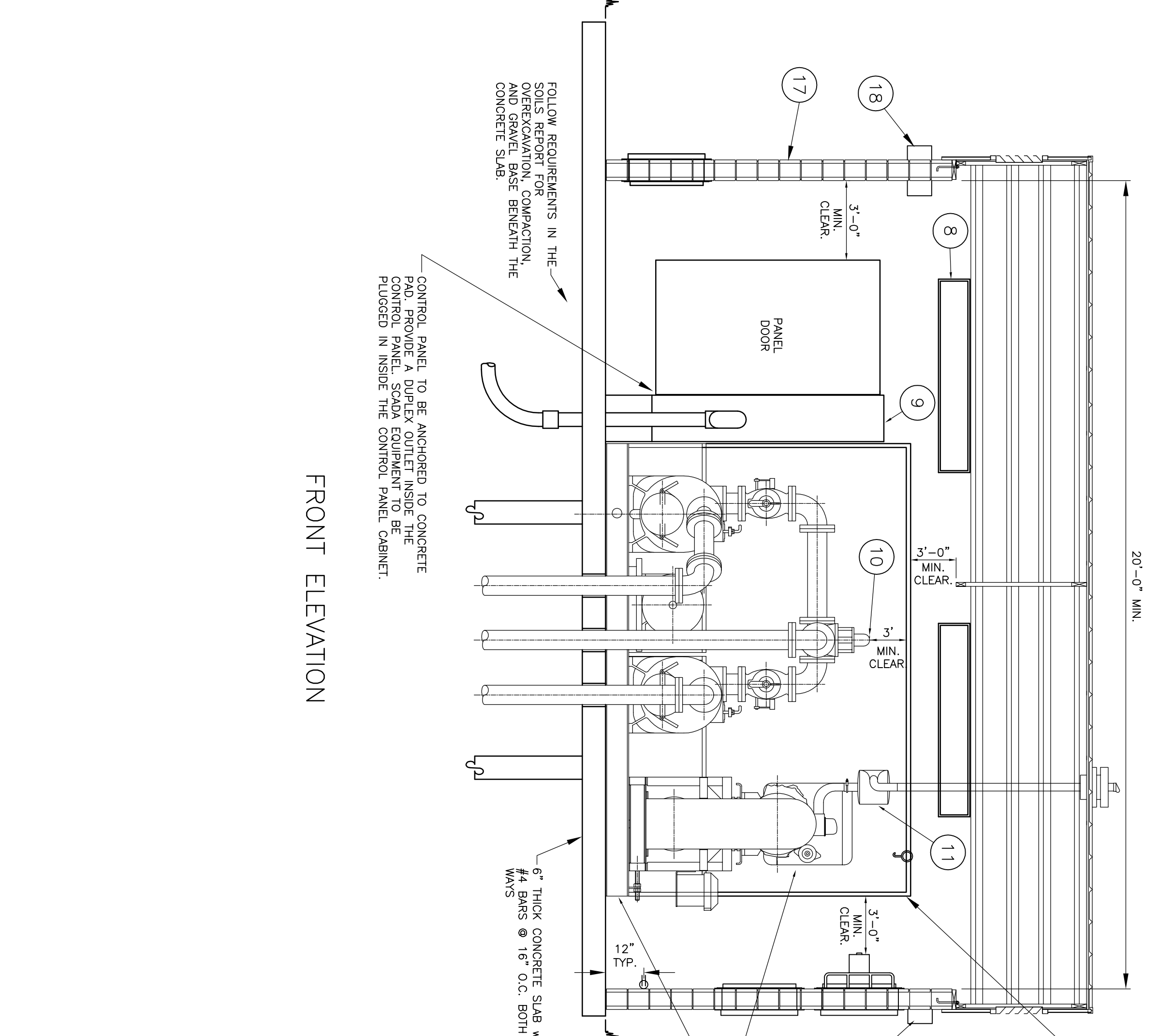
VIEW A-A  
SCALE: NONE  
(FIBERGLASS BUILDING ONLY)



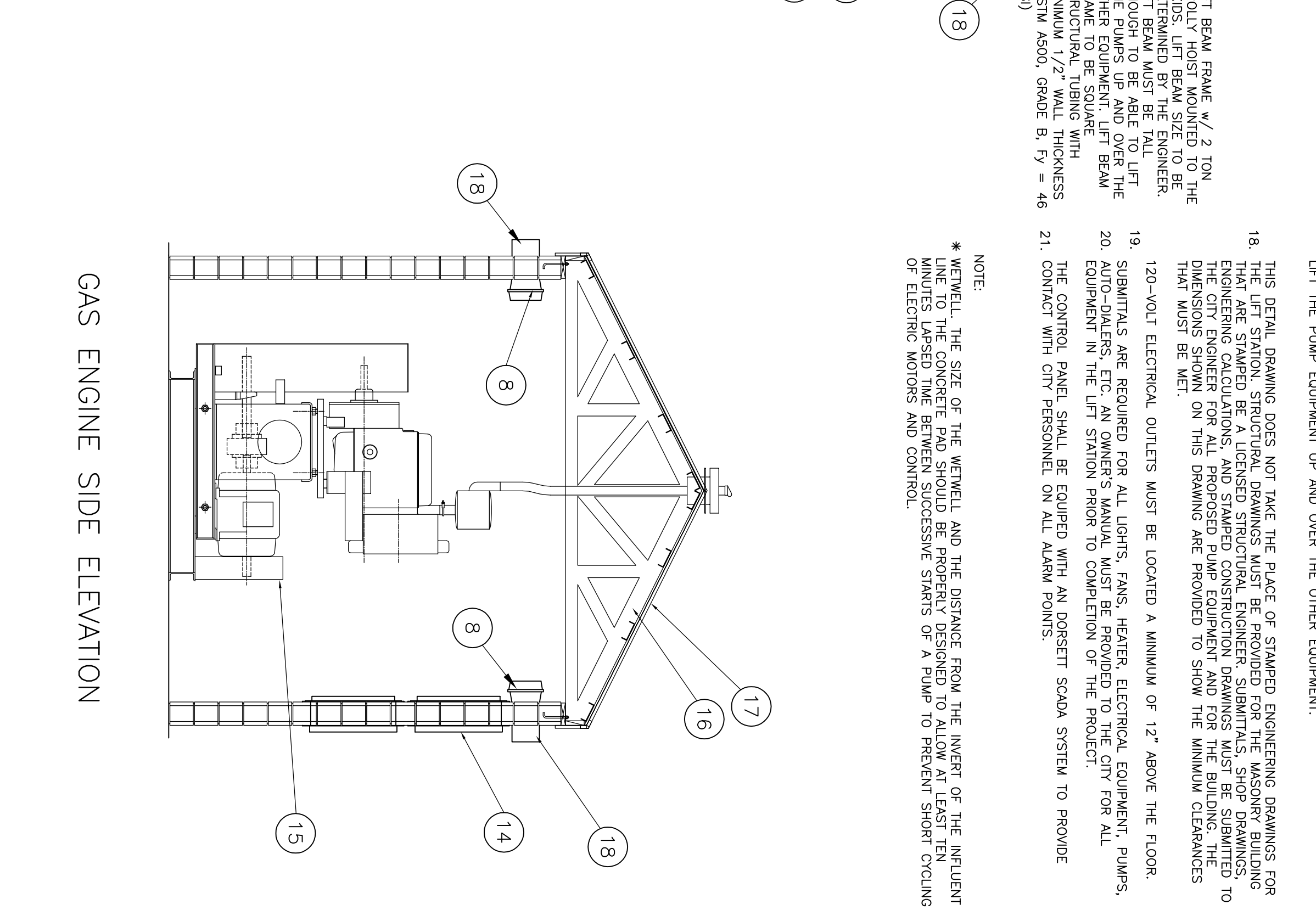
PLAN VIEW



PUMP SIDE ELEVATION



FRONT ELEVATION



GAS ENGINE SIDE ELEVATION

GENERAL NOTES:

- NEED 3 PHASE POWER, 480-VOLT w/ CONNECTION FOR AUXILIARY GENERATOR.
- BETWEEN PUMP SIDS AND BUILDING FLOOR, VIBRATION ISOLATION PADS SHALL BE INSTALLED TO PREVENT VIBRATION ISOLATION PADS FROM BEING INSTALLED IN SMALL ENOUGH PIECES TO FIT UNDER PADS.
- THE PUMP STATION PHONE SYSTEM SHALL BE TIED TO THE CEDAR CITY SCADA SYSTEM USING A 120 VOLT AC POWER SOURCE. THE SCADA SYSTEM MUST INCLUDE AN INTRUSION ALARM ON THE WETWELL, MANHOLE LID AND ON THE DOORS INTO THE LIFT STATION BUILDING, BUILDING ENCLOSURE, CONTROL PANEL, AND ON THE EXHAUST VENT ASSY. A TEMPERATURE SENSOR, HIGH LEVEL ALARM, MOTOR TRAIL ALARM, AND WET WELL LEVEL.
- ALL CONDUITS AND UTILITIES COMING INTO THE BUILDING MUST COME IN THROUGH THE CONCRETE FLOOR SLAB. NO CONDUITS OR UTILITIES MAY ENTER THE BUILDING THROUGH THE WALLS OR THROUGH THE ROOF. ALL UTILITIES MUST BE TRACED INTO THE BUILDING THROUGH THE SLAB FOR FUTURE USE.
- THE WET WELL MUST BE LOCATED FACING THE STREET OR ACCESS ROAD SO THAT IT CAN BE EASILY ACCESSED BY THE CITY'S SPARK CLEANING TRUCK.
- PER THE RECOMMENDATIONS GIVEN IN THE SOILS REPORT.
- THE CONCRETE SLAB MUST BE DOWELED INTO THE WETWELL WITH #4 REBAR @ 16" O.C. TO PREVENT DIFFERENTIAL SETTLEMENT OF THE SLABS.
- CULINARY WATER SERVICE MUST BE BROUGHT TO THE LIFT STATION SITE. INSTALL A FROST PROOF YARD PROPANE ON THE SITE WITH 3 FEET BURIED DEPTH. (SMITHSON BRAND) RAIN CULINARY WATER INTO THE LIFT STATION SITE FROM STANDBY DETAIL 57.
- PREVENT WATER FROM PONING ON THE SITE.
- SLOPE THE ENTIRE SITE AWAY FROM THE LIFT STATION BUILDING AT A MINIMUM 2% SLOPE TO PREVENT WATER FROM PONING ON THE SITE.
- MINIMUM LIFT STATION AREA IS 6'0" x 6'0" FENCED PER LIGHT DETAIL NO. 53.6 w/ 1.16" WIDE DOUBLE SWING GATE. REFER TO THE LIFT STATION SITE PLAN STANDBY 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 EXCEPTIONS TO THIS REQUIREMENT. ALL OF THESE UTILITIES MUST BE BROUGHT INTO THE LIFT STATION SITE. ALL METER AND PANEL LOCATIONS MUST BE REVIEWED AND APPROVED BY THE CITY ENGINEER PRIOR TO INSTALLATION.  
GAS  
ELECTRIC  
CULINARY WATER  
STANDBY WATER  
TELEPHONE
- THE CONTROL PANEL MUST BE ANCHORED TO THE CONCRETE PAD.
- PROVIDE A DUPLEX OUTLET INSIDE THE CONTROL PANEL. SCADA EQUIPMENT MUST BE FLOORBOED 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.
- BUILDING SHALL BE A FULLY ASSEMBLED "EAST-SET BUILDING" THE MINIMUM BUILDING DIMENSIONS ARE 12' WIDE x 20' LONG. THERE MUST BE AT LEAST 3' OF CLEARANCE ALL AROUND THE BUILDING FOR THE PUMP EQUIPMENT. UP AND OVER THE PUMP EQUIPMENT.
- THIS DETAIL DRAWING DOES NOT TAKE THE PLACE OF STAMPED ENGINEERING DRAWINGS FOR THE LIFT STATION. STRUCTURAL DRAWINGS MUST BE PROVIDED FOR THE MASONRY BUILDING THAT ARE STAMPED BY A LICENSED STRUCTURAL ENGINEER. SUBMITTALS MUST BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. THE ENGINEER'S SIGNATURE AND SEAL MUST BE ON ALL DRAWINGS AND SUBMITTALS. THE ENGINEER'S SIGNATURE AND SEAL MUST BE ON ALL DRAWINGS AND SUBMITTALS. THE ENGINEER'S SIGNATURE AND SEAL MUST BE ON ALL DRAWINGS AND SUBMITTALS. THE ENGINEER'S SIGNATURE AND SEAL MUST BE ON ALL DRAWINGS AND SUBMITTALS.
- 120-VOLT ELECTRICAL OUTLETS MUST BE LOCATED A MINIMUM OF 12" ABOVE THE FLOOR.
- SUBMITTALS ARE REQUIRED FOR ALL LIGHTS, FANS, HEATER, ELECTRICAL EQUIPMENT, PUMPS, AUTO-DIALERS, ETC. AN OWNER'S MANUAL MUST BE PROVIDED TO THE CITY FOR ALL EQUIPMENT IN THE LIFT STATION PRIOR TO COMPLETION OF THE PROJECT.
- THE CONTROL PANEL SHALL BE EQUIPPED WITH AN DORSETT SCADA SYSTEM TO PROVIDE THE CONTACT WITH CITY PERSONNEL ON ALL ALARM POINTS.

NOTE:  
\* WETWELL. THE SIZE OF THE WETWELL AND THE DISTANCE FROM THE INLET OF THE INFLUENT LINE TO THE CONCRETE PAD SHOULD BE PROPERLY DESIGNED TO ALLOW AT LEAST TEN MINUTES LAPSED TIME BETWEEN SUCCESSIVE STARTS OF A PUMP TO PREVENT SHORT CYCLING OF ELECTRIC MOTORS AND CONTROL.

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