

Contractor Permit Submission Requirement Checklist

Fire Pump Install

1. Location including street address and occupant business name.
2. Type of pump to be installed: Centrifugal, Vertical Shaft Turbine, Positive Displacement
3. Pump manufacture and model. Data sheets.
4. Controller manufacture and model. Data sheets.
5. Driver manufacture and model. Data sheets.

Shop Drawings

1. A graphic representation of the scale used.
2. Point of compass (north arrow).
3. Provide symbol legend.
4. Plan view and cross-sectional view of installed equipment.
5. Plot plan illustrating connection to the water supply pipe, pipe diameter, and route from the source to the pump.
6. Indicate location of fire rated walls and fire rating.
7. Indicate location of any required sprinkler heads.
8. Indicate location of climate control equipment, emergency lighting, and ventilation equipment.
9. Indicate location of drains and slope of floor to allow for proper drainage.
10. Detail of installation method used to secure pump to foundation.

Provide Manufacture Pump Curve.

Suction

1. Provide pipe flushing requirements.
2. Detail of the operating angle of a flexible connecting shaft, if used.
3. Detail of eccentric taper reducer or increaser, if used.
4. Detail of Vortex plate to be installed if water source is from stored water supply.
5. Detail of break tank, if used.

Discharge

1. Detail of test header location, pipe diameter, number of hose valves or the flow meter size and piping.
2. Detail of jockey pump/make-up pump location and piping with specification data.
3. Detail of check valve and gate/butterfly valve locations for the jockey pump.
4. Detail of pressure sensing lines between the pump discharge check valve and control valve.

Electric Drive complies with National Electric Code Article 695

1. Detail on plans the size, verbiage, and location of the disconnect placard and unlocking key if required.
2. Detail of controller installation in plan set.
3. Provide detail of alarm circuit and signal device on plan, include listing data sheets with submission.
4. Detail of dedicated fire pump transfer switch location, include listing data sheets with submission.
5. Detail of controller with variable speed pressure limiting capability, if used.

Diesel Drive

1. Data sheets with information regarding listing.
2. Detail of engine connection to the fire pump on plans.
3. ECM details and plans for supervision, enclosure, mounting, and primary and secondary sensors.
4. Detail of variable speed pressure limiting control system on plan, if used.
5. Details of batteries for engine on plans (minimum of 12" above floor).
6. Provide ventilation detail on plans.
7. Provide fuel supply tank capacity calculations.
8. Controller installation is detailed on plans.
9. Provide detail of alarm circuit and signal device on plan, including data sheets with submission.
10. Provide engine exhaust detail on plans.

