

RFP 2502 Addendum 1 Plastics Lab Electrical Questions Answered

- 1) A disconnecting means will be required for Plastics Lab Panelboard due to its location in the Lab, We propose to use a disconnect fused at 1,000 amps
[Agreed and approved](#)
- 2) Only two 4" PVC conduits are provided from transformer pad to building. Using parallel 750 Kcmil copper conductors (ampacity 475 at 75 C per conductor) will give 950 amp capacity, per code you can go to the next available breaker size which will be 1,000 amp.
[Agreed and approved](#)
- 3) The panelboard not require a main circuit breaker due to installation of fused disconnect.
[Agreed and approved](#)
- 4) Instead of a CT Cabinet I would recommend metering at utility transformer.
[Agreed and approved, follow up needed with electrical company](#)
- 5) Will there be any ancillary equipment or control wiring that will be required to be connected in addition to the Nissei and Kautex injection molding machines? I noted air compressors and air dryer onsite.
[Any ancillary equipment will be installed internally. We will only need terminations for the Kautex and Nissei.](#)
- 6) Per N.E.C. 230.95 any service 1,000 amps or larger requires Ground Fault protection. I would recommend downsizing the service to 800 amps. This will substantially reduce cost of service. Do you want to provide shunt trip on main breaker or equipment circuit breakers? This would allow shutdown of equipment in event of an emergency.

[Approved, the College would like the shunt trip on the equipment breakers.](#)