

## FULL DETAIL

### *Engine Dynamometer Facility Layout Drawing Set*

Power Test will provide layout drawings specific to your project. Utilizing the building floorplan (\*.DWG format) as provided by you or your contractor, we will overlay recommendations for component locations and utility requirements. Pipe, conduit and ducting materials and sizing are open to interpretation and local code or building practices. Local contractors should address specifics. Power Test is not responsible for verification of local codes. Prints provided will be Equipment Prints, not Construction prints.

#### **Drawings to be included:**

- Specific customer floorplan with Power Test products shown in recommended locations.
- Generic Inertia Pad and Sub-base layout (Contractor to confirm soil composition and stability for sizing of inertia pad)
- Test cell elevation view of all Power Test Equipment
- Equipment with connection and termination sizes - including all utility usage requirements
- Water circuit with flow rates and suggested interconnect.
- Water plumbing suggested interconnect; line to line diagram
  - Pneumatic and fuel suggested interconnect; line to line diagram
- Electrical system suggested interconnect; line to line diagram
- Exhaust and Ventilation suggested interconnect and air flow requirements
- Water sump and storage reservoir with standard cooling tower, water storage reservoir details of purchased Power Test equipment with tank dimension and design.
- Trench fill detail
- Multi-elevation view
- More detail; multi-platforms

Dynamometer, cooling tower, associated pumps and control system specification documentation will accompany room layout plans if acquired from Power Test. In addition to component documentation customer will receive CAD file and PDF of room layout. Preliminary print set will be provided, customer is allowed 1 revision

If necessary, we can provide onsite facility design and technical support. This is not included in the above information and can be quoted dependent on the level of support and location. We can provide additional support on dynamometer enclosures, sound dampening and related equipment.