

PROJECT PROFILE |

Offices – Dominion VA Power, Mount Storm, WV



**USE: Switch Yard Personnel Office,
Laboratory, Break Room & Restrooms**
SIZE: 5,488 Square feet

NEED

There were three challenges to this project:

- The first design challenge was to develop a roof system that could withstand 1-2 lb. missiles, ice shards that form during the winter months, which travel at 120 mph or more.
- The second challenge involved the coordination and tying into an existing grounding system that if done incorrectly could result in death or serious injury to site personnel.
- The third challenge involved a rigid design that could stand up to heavy abuse, extreme climate changes and potential water infiltration issues into the structure.

SOLUTION

The result was to design, fabricate and erect a stand-alone steel canopy system over the office complex.

- The Owner selected a 26 GA high-rib steel exterior finish for the building which complements the same industrial look as seen on the surrounding buildings. Multiple concrete decks and ADA ramp systems with vinyl railings were installed in several locations. Custom floor finishes were selected throughout the building both for resilience, appearance and insulating properties. An open lab area was specifically designed for the client with an increased floor load capacity to accommodate proprietary equipment used for testing by employees.

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