

# COMMERCIAL SERVICES

*Gettle Incorporated presently serves over 100 businesses throughout the Mid-Atlantic region.*

## **ON-GUARD INDUSTRIES** **Aberdeen, MD**

On-Guard Industries, located in Aberdeen, MD, manufactures and distributes all types of rubber boots, for commercial, industrial and governmental applications. Their new 123,000 square foot facility was designed to flow from the raw products silos to mixing of the rubber pellets, through the mold injection process and detailing, onto quality control and into warehousing. Lighting of the facility properly and efficiently was an important aspect of the design. Building height at peak was over 40 feet and lower hung task lighting was not a option due to the process. Several 320-watt metal halide fixtures were used to produce 50 foot candles of even illumination throughout the manufacturing areas. More important than lighting was distribution of power for existing and future equipment. Distribution starts with a redundantly fed 33kv, primary metered electrical service. Two 33kv HVL switches fed two 2500kva 33kv to 277/480 pad-mount transformers. These transformers feed two, 3000 amp switchboards with a main-tie-main configuration. Distribution from the main switchboard consists of miscellaneous 400 amp and 200 amp branch circuit panels, as well as, larger feeders to process equipment. This project also included a 12,000 square foot office/lab area, fire alarm system, site lighting and wiring of mechanical and process equipment.



***Giving Business the Power to Grow®***