



# CertainTeed Distribution Warehouse Full Risk Design Builder

## PROJECT INFORMATION

**CONCORD DIVISION**  
Concord Management

**PROJECT LOCATION**  
Mountain Top, PA

**MARKET**  
Manufacturing

**SERVICES**  
Design Build

**CONSTRUCTION COST**  
\$1.3 Million

## ABOUT THE CLIENT

A subsidiary of Saint-Gobain, the world's largest building products company, CertainTeed and its affiliates have more than 5,700 employees and more than 60 manufacturing facilities throughout the United States and Canada.



## PROJECT SUMMARY

Concord was hired as the Design Build Contractor for the Electrical upgrades project for the Warehouse. In coordination with an operating warehouse, Concord designed and constructed the new 69kV services break, new 25 MVA transformer and new 15kV switchgear including underground 15kV feeders to existing electrical gear. Concord provided onsite Construction Management personnel to manage the Electrical Contractor and coordinate the work with the CertainTeed personnel. The project was constructed under budget and in accordance to the schedule.

## PROJECT HIGHLIGHTS

- New 69kV SF6 breaker, 25 MVA transformer and new 15kV switchgear with new underground 15kV feeders to the existing plant substations.
- New padmount 15kV switchgear was installed to replace fused cut out switches on wooden poles that fed the entire production substations and plant.
- Concord avoided unplanned production outages by performing tie-ins during third shift. One of the main 15kV feeders to the plant required installation beneath an operable railroad track, which was the facility's main means of import/export, also resulting without impact to facility operations.
- CertainTeed was manufacturing residential insulation products during the entire time of the 69kV substation expansion and installation of the new 15kV switchgear and feeders needed to tie-in to their existing production substations.