



Size of Project:
8,400 sq ft



Length of Project:
1 Year, 3 Months

K & W ELECTRIC, INC.

SUMNER - GENERATION PLANT & UTILITY OFFICE

SUMNER, IA

Commercial: Industrial & Public Works/
Environmental | (\$0 - \$2 Million)

TYPE OF CONSTRUCTION

K & W Electric, Inc. partnered with Steege Construction Inc. and Sumner Municipal Light to provide electrical and lighting to the Sumner Generation Plant and Utility Office, as an expansion of their electrical services.

BUILDING FEATURES

The generation plant is completely automated, through BAS & Scada System and the medium voltage 15kv switchboard. There is also a failsafe, with an inverter and battery backup to allow for continuous operation. The plant houses three 2000kw generators (12,470V AC three-phase), with RIs and gear provisions for three additional units to be installed at a later date. This project consisted of installing control wiring, low voltage and medium voltage wiring, all in the same building. The K & W team also installed wiring for: fuel system and airflow system, three neutral grounding reactors and ground grid, fire alarm, in-floor electrical heating system, HVAC and plumbing equipment and interior/exterior lighting system.