

# CASE STUDY:

## FEDERAL COURTHOUSE

Milwaukee, WI • \$20,000,000

As a general contractor, KPH has completed extensive work at the Federal Courthouse in downtown Milwaukee. Our projects have encompassed the original courthouse building, constructed in 1890 and an addition constructed in 1920. Considering the age and significance of its buildings, the Federal Government has a team of Historic Preservationists who strive to maintain or restore public spaces to their original form.

### HISTORIC RESTORATION WORK

KPH Construction's work has been extensive and all-encompassing, including restoration of judges' chambers, Secret Service offices, Social Security Administration offices, Law Clerk office and conference room, U.S. Attorneys Office, U.S. Marshall Service offices, significant common areas and extensive exterior restoration.

Our work has include the following restoration work to transform 1970s-era remodeling back to its 1920s original grandeur:

- Architectural repair and replacement of historic plaster dental molding
- Highly detailed stenciling and freehand painting to restore original artwork
- Replacement and repair of historic mosaic tile flooring
- Repair and replacement of marble wall wainscot and door molding
- Construction of historic raised panel wall paneling and large courtroom doors
- Replicating historic exterior court house doors with custom hardware
- Finishes including extensive lighting, wallpaper, historic and modern ceiling tiles, brass fittings, painting, modern and historic plumbing fixtures, and much more

### MODERN SYSTEMS AND AMENITIES

Because the Federal Courthouse is an active facility used every day for judicial proceedings and the business of the federal government, KPH performed work that reflected its modern use. Equally as important to the restoration work, KPH completed the following projects:

- Code-required life-safety systems executed in the least invasive manner possible
- Demolition of concrete-encased steel beam doghouses on the 2nd floor roof of the Courthouse, surrounded by seven stories of building requiring a large 350-ton crane with an extended jib lift to remove the materials from the roof. Massive shoring and crane rigging was implemented to safely remove all components while still keeping the building weatherproof.
- Installation of 12" of insulation, new roof drains and a new roof membrane over the entire roof
- Doors, windows, ductwork, plumbing, steam lines, fire protection piping, and fire alarm cabling and electrical
- Extensive electrical, plumbing and HVAC
- High-security measures including ballistic walls, windows and doors
- Significant environmental work including assessment and abatement of lead and asbestos

