

# STRANG

HEATING • ELECTRIC • PLUMBING • TELECOM

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Richland County Courthouse  
181 W Seminary St  
Richland Center, WI

## Category 6 Data Cabling Project for Courthouse

**Investment..... \$18,629.00**

### To Include:

**Judge's Office:** Install Wiremold 700 raceway and boxes to match existing electrical. Install EMT conduit on Bell Tower floor to protect cable. Install j-hooks in attic to extend cable path. Install 3 data cables from data rack in Clerk of Court's Offices: 2 to Judge's desk location, install 1 cable to common wall with Judge's Chamber. Use Panduit faceplates CFPE4EIY

**Judge's Chamber:** Drill hole through common wall with Judge's Office, sleeve with EMT conduit and mount Wiremold surface box. Install 1 data cable from data rack in Clerk of Court's Offices to Judge's Chamber. Use Panduit faceplate CFPE4EIY

**Law Library:** Install 3 data cables from data rack in Clerk of Court's Offices to Law Library, 1 of the cables to be installed on South wall, Wiremold raceway to be installed. The exact location of other 2 cables to be determined later. Individually coil, terminate, label and store these 2 cables on j-hooks with 80' of cable length on each coil.

**Large Courtroom:** Provide 4 data cables from data rack in Clerk of Court's Offices to a new rack (provided by others) in northwest corner of room. Install 2 data cables from data rack in Clerk of Court's Offices to Prosecution Table.  
From new data rack in northwest corner of room (cable paths to be provided by others); install 1 cable to printer location, 1 data cable to defense table, 2 data cables to Judge's Bench, 3 data cables to Clerk's desk and 2 data cables to Court Reporter Desk. Use applicable Panduit faceplate. Provide/label a 24-port patch panel for new data rack (Panduit CPPL24WBLY)

**Jury Room:** From new data rack in northwest corner of room install 1 data cable to Jury Room. Use Panduit faceplate CFPE4EIY.

**Family Court Rm 307:** Install 2 data cables from data rack in Clerk of Court's Offices to Room 307, drill holes and fish cables from attic into dividing wall with 1 cable terminated on each side of wall. Use Panduit faceplate CFPE4EIY. Install j-hooks in attic for cable path.

**Porch:** Install 2 data cables from data rack in Clerk of Court's Offices to far corner in room where existing cables are located. Use applicable Panduit faceplate. Install j-hooks in attic as required.

**District Attorney Offices:** Install 6 data cables from data rack in Clerk of Court's Offices to desk locations in District Attorney's offices. These cables will be routed through floor utilizing existing electrical/data combo wall boxes. Wall boxes will need to be adapted to allow installation of a faceplate (Panduit CFFPL4IW) to hold connectors. Cables will be routed above drop ceiling in lower level, new j-hooks to be installed where existing path is full.

**Clerk of Court Offices:** Install 5 data cables from data rack in Clerk of Court's Offices to desk locations in Clerk of Court Offices. These cables will be routed through floor utilizing existing electrical/data combo wall boxes. Wall boxes will need to be adapted to allow installation of a faceplate (Panduit CFFPL4IW) to hold connectors. Cables will be routed above drop ceiling in lower level, new j-hooks to be installed where existing path is full. Install 1 cable to location near fax.

Install 2 data cables in back office from data rack in Clerk of Court's Offices. Install a ¾" EMT conduit cable path from rack up to ceiling and across file room and back down, drill access hole through common wall of file room/back office, install 4X4 j-boxes on each side of wall, extend the conduit across wall to 2 work stations with a j-box and plaster ring for each location. Use Panduit faceplate CFPE4E1Y.

**Register in Probate Offices:** Install 5 data cables from data rack in Clerk of Court's Offices to desk locations in Probate Office. These cables will be routed through floor utilizing existing electrical/data combo wall boxes. Wall boxes will need to be adapted to allow installation of a faceplate (Panduit CFFPL4IW) to hold connectors. Cables will be routed above drop ceiling in lower level, new j-hooks to be installed where existing path is full. Drill Access hole above drop ceiling from hallway to emergency management conference room and sleeve.

**Court Reporter:** Install 1 data cable from data rack in Clerk of Court's Offices to desk location. This cable will be routed through floor utilizing existing electrical/data combo wall boxes. Wall boxes will need to be adapted to allow installation of a faceplate (Panduit CFFPL4IW) to hold connectors. Cable will be routed above drop ceiling in lower level, new j-hooks to be installed where existing path is full.

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When project is complete, all access holes and conduits will be sealed with firestop as required by code. Firestop placed in cable pathways shall be re-enterable

All horizontal cable routes in all locations to be supported by category 6 compliant j-hooks spaced no more than 6'.

All cables will be enhanced category 6 manufactured by General Cable part number 7133902

All cables will be terminated with modular jacks (Panduit CJ688TGOR) at workstation and in the patch panel.

One 48-port modular patch panel (Panduit CPPL48WBLY) will be installed/labeled in the existing Clerk of Court equipment rack.

All cables will be labeled at both ends and documented.

All cables will be tested and certified category 6 compliant on a Cable Certification Analyzer. Test results and documentation to be provided to MIS staff.

Cleanup of all installation areas will be completed.

Submitted by Jim Luxton