

## ***CLOSED CIRCUIT TELEVISION SYSTEM - UNL***

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**Design Coordination:** UNL has an extensive CCTV System. Due to the variance of buildings and projects, each installation design may be different. UNLPD CCTV administrator shall design and coordinate all phases of the CCTV system with the Architect/Engineer of record, NU Project Manager, and involved building departments.

UNLPD CCTV administrator and Services Captain should be involved in the design phases of the project. This will ensure proper placement and design of the camera system.

**Types of Installs:** The following is a list of the different types of installations either required or suggested for the system. All placements to be approved by CCTV administrator. All conduits to be provided with pull string to facilitate wire pulls.

1. Exterior Mounting
  - a. Exterior flat wall mount
    - i. Install a 1" sleeve through wall penetration as close as possible to camera location.
  - b. Exterior corner wall mount
    - i. Install a 1" sleeve through wall penetration as close as possible to camera location.
  - c. Exterior roof mount
    - i. Roof penetration to be as close as possible to the camera location. Reference UNL Standards for roof penetrations. Provide weather tight box at penetration.
  - d. Exterior pole mount
    - i. Pole mount requires a NEMA box sized in accordance with CCTV administrator. NEMA box to be supplied with necessary power. Provide hole in pole 12' off of grade for mounting. Pipe connections through pole and into closed telecom.
  - e. Other as needed.
    - i. Discuss and coordinate these with CCTV administrator.
2. Interior Mounting
  - a. Drop ceiling (lay-in)
    - i. Provide cable near planned location. Label cable for CCTV use.
  - b. Hard deck (drywall)
    - i. Provide single gang box with a 1" conduit piped to nearest cable tray.
  - c. Open (no ceiling other than utilities and structure)
    - i. Provide box attached to ceiling/structure with 1" conduit piped to nearest cable tray.
  - d. Cloud (wood, drywall, metal)
    - i. Provide single or double gang box attached to ceiling/structure with 1" conduit piped to nearest cable tray.
  - e. Wall mount
    - i. Provide single gang box with a 1" conduit piped to nearest cable tray.
  - f. Other as needed

**Cable Install:** All cable to be installed by Low Volt contractor for capital projects and renovations. Network cable will be patched into patch panel and female jack on the camera side. Network cable for exterior cameras will be patched into a patch panel and will supply a female jack near the exit point of the wall in an accessible location. Final connection from that point is performed by UNL.