

VCCCD IT Standards
March 2025

1. Vendor will ensure all work conforms to industry standards for data cabling.
2. Actual projects will follow a process of a site walk (if required by VCCCD)
3. Vendor will possess and maintain in good standing BICSI certification or equivalent.
4. Vendor will possess and maintain in good standing a State Of California C-7 Contractor License.
 - a. Preferential consideration will be given to vendors who also hold a C-10 license and on-staff licensed electricians.
5. Evaluation criteria:
 - a. Overall capabilities including certifications, required licenses and ability to perform work with educational and public sector institutions.
 - b. Experience with educational and public institutions.
 - c. References.
 - d. Cost.
6. Vendor must provide a summary paragraph of experience with educational and public institutions with three (3) reference accounts. Vendor is to attach a separate sheet to the Bid Form.
7. Vendor must be manufacturer certified, in good standing and with recent continuing training credentials in structured cabling and/or enterprise fiber optic products. Warranty qualifications from those manufacturers, along with letters of qualification from manufacturer representatives will be requested at bid and on-going for project completion and certification.
8. As-built documentation will accompany each job. Vendor must submit documentation in AutoCAD or PDF format.
9. All cabling must be properly labeled according to VCCCD standards including IDF and jack number for copper cabling and building and IDF for fiber.
10. Vendor must perform required cable testing and provide documentation of installed cable passing required testing.
11. All work performed must conform to applicable building code requirements including the use of plenum rated cable in plenum spaces. VCCCD-owned facilities operate under the jurisdiction of the California State Department of Architects (DSA) and are subject to local on-site DSA inspectors on state-funded projects.

12. Check List

- a. Labor Rate Schedule.
- b. Copy of BICSI or equivalent certification.
- c. State of California C-7 Contractor License.
- d. Manufacturer training with letters of qualification in structured cabling and/or enterprise fiber optic products.

13. Due to the time sensitivity of an educational institution, the District may require a Performance Bond for any project to ensure vendor complies with deadlines established for a particular project.

14. It is the vendor's responsibility to notify the District at the beginning of a project if they lack the resources or staff to meet the District's schedule for a specific project.

15. Vendor is responsible for submitting and maintaining insurance per the District's insurance requirements listed within this bid.

Type of Cabling Projects

1. Inter-building Backbone cabling – This type of work will provide new and remedial building to building backbone cabling work with both Fiber Optic and Copper type cabling. Establishment of new pathways for Outside Plant (OSP) projects are typically managed by civil construction firms and project management. These projects will include the qualifying, clearing, cleaning, and installation into OSP ducts and will involve installation and termination of the following cable types:
 - Typical Fiber Optic cabling for this type of work consists of single-mode suitable for installation equal to or below 7km distance and/or Multi-Mode (550m) cable suitable for outdoor installation (OM4). Cable and connectors shall be of high quality from manufacturers including, but not limited to, Corning. Terminations shall be LC unless otherwise stated.
 - Typical copper cabling for this type of work consists of both voice and data-grade cable rated Category 6A or higher. Cable and data jacks (Leviton eXtreme) shall be of high quality from manufacturers including, but not limited to, Belden. Terminations in the MDF/IDF shall be made in Category 6A or higher patch panel (Leviton eXtreme or Ortronics). Regular station jacks are light blue in color, jacks for cameras are light green, and jacks for ENS devices are orange.
 - Appropriate cable management and labeling is required on all cabling projects.

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- Waterproof labeling of OSP work is typical in VCCCD installations.
2. Remedial work – This work may be performed in a live, working environment:
- MDF/IDF – This will involve remediating an existing facility to VCCCD cabling and facilities standards.
 - Station – This work will involve the replacement of existing station cable and the installation and termination of new station Category 6 or greater cable. Cable and data jacks shall be of high quality from manufacturers including, but not limited to, Belden and Siemens.
 - Terminations in the MDF/IDF shall be made in Category 6 or higher patch panel. Typical station cabling consists of three network drops unless otherwise stated.
 - All remedial work requires the vendor to document, remediate, label, and test per VCCCD direction and standards.
 - Vendor must be able to verify restoration of services using appropriate test equipment and have a working knowledge of data and voice communications.
3. New Intra-Building backbone fiber and/or copper cabling – This type of work will provide new and remedial in building cabling work with both Fiber Optic and Copper type cabling. These types of projects will include the installation and termination of both horizontal and riser cables:
- Typical Fiber Optic cabling for this type of work consists of single mode and/or Multi-Mode cable suitable for indoor installation. Cable and connectors shall be of high quality from manufacturers including, but not limited to, Corning. Termination will be LC unless otherwise stated.
 - Typical copper cabling for this type of work consists of any or the following riser types: Category 6A or greater horizontal cabling for station and control-cable installations. Cable and data jacks shall be of high quality from manufacturers including, but not limited to, Belden. Terminations in the MDF/IDF shall be made in Category 6A or higher patch panel. Typical station cabling consists of three network drops unless otherwise stated.

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