

Madera County Office of Education

2011 Low Voltage E-rate Bid Information

The following legend will be used to help vendors create a bid from the drawings that are currently available.

- ▼ Data Drop
- ▼ -XX" Data Drop at a marked Height
- Ⓞ Conduit Drops

General Expectations:

All data drops marked in an office will have three (3) Cat6E terminations from the office to the specified IDF. Most offices will have two marked data drops.

Cubicles will be fed through conduits in an adjoining wall and the cabling runways associated with the selected cubicles models and will have a single data drop of three (3) Cat6E terminations to each cubicle from the specified IDF.

There are single data drops (▼-XX) that will be marked on the final drawings for the many different services and in-house security (i.e. video cameras, door access, single VoIP phone placements and wireless access points...). Please plan on 100-150 of these single drops. All drops are to be in the wall or through conduits (Please make allowances for fishing walls if a conduit does not exist).

We will be working with the selected vendor to color code Cat6E cabling matched to different services as part of the mapping process.

IDF (Rooms; 107, 114, 123, 168, 212, 231 (6))

Each Marked IDF will have a 24 strand Fiber Cable as specified in the general specifications going from the IDF to the MDF on the second floor. Each IDF will have a minimum of 6 pairs (12 strands) terminated and labeled accordingly. An IDF may have additional terminations and will be noted on the final drawings (please note that these additional terminations will not exceed 12 pair).

Rooms 107,114,123,212 and 231 will be using 48" wall mounted cabinets and room 168 will be using 4 post cabinet racks as specified.

MDF (Room 254)

The MDF will consist of 4 Rack Groups; 3 of the rack groups will consist of servers and switches with A/C units integrated into the group. The last rack station will consist of 5 racks and will be the termination post for all of the fiber and Cat6E coming into the MDF.

This will also be the switch and server rack terminations from the other three rack groups.

A final drawing will be provided for all racking cabinet groups along with the specifics in the horizontal cable ladders and racking enclosures as described in the specifications.

External Cable placement

MCOE is requesting a fiber optic cable run between the new Instructional Center and Pioneer Technical Center, the school site adjacent to the new Instructional Center. This fiber connection will be a 24 strand cable as specified and will run through conduit provided by the builder. The vendor will terminate 6 pair (12 strands) that will run between the buildings from the Instructional Center MDF to the IDF located on the Pioneer Technical Center Site as specified on the current plot plan.

Cat6E runs and terminations to external positions will be determined by conduit placement. We plan on a minimum of 6-10 external placements of Cat6E termination for security and other possible IP devices. Current placement will stay inside the 100 meter limitation, will terminate in the nearest IDF and will be determined on final drawings. Conduits will be provided by the builder.