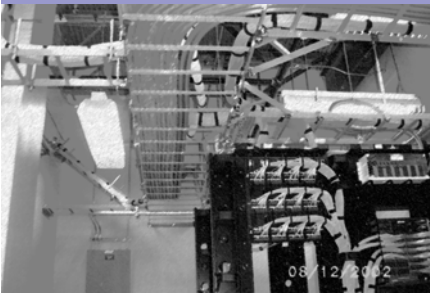
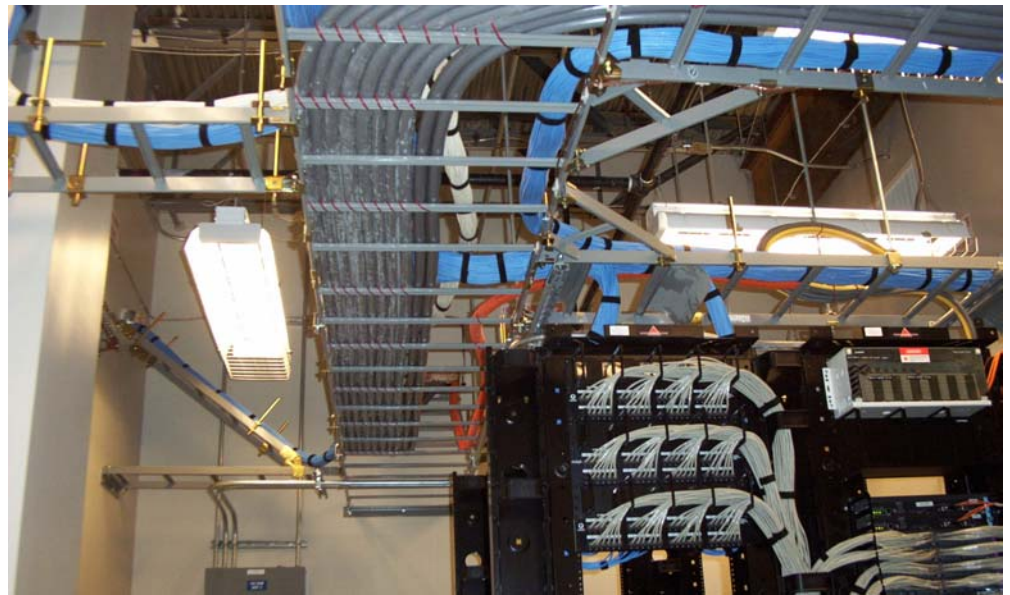


Vision's Quality

The Company behind the Company

Providing our clients with the finest installation—from pre-sales design to final documentation



The following pages provide visual proof of Vision Technologies' commitment to excellence. The pictures in this presentation represent a variety of sites, and depict a variety of structured cable plant solutions. We have attempted to provide a comprehensive view of our installation practices including horizontal, backbone, riser cabling, copper and fiber work, closet buildout and even a few "before and after" shots.

Our work speaks to the dedication of our installation technicians, their focus on not only quality, but "correct" cable installation practices. Vision Technologies promotes adherence to the installation methodologies developed by BICSI, and invests substantially in the training of our people. Our staff of BICSI-certified RCDD's ensure that the installation meets or exceeds the standards. Vision's focus on quality, and the use of in-process quality control results in projects like the ones shown here. Our installation teams practice the rule of the slight edge—that is, they deliver that extra effort, required to make your project successful.

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National Financial Institute

Quality, from the ground up

Financial Institution

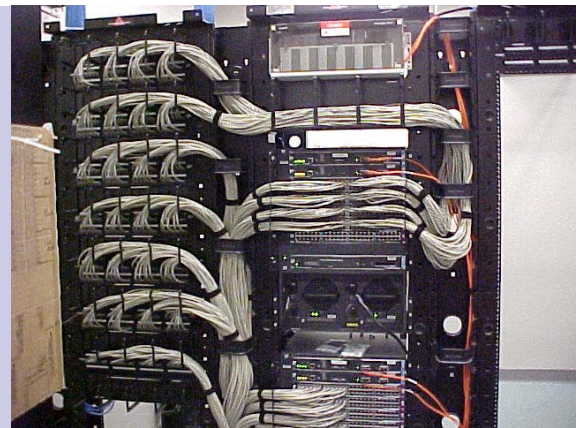
Vision Technologies has recently completed the installation of a certified cable plant for the client's new operations center in Atlanta, GA. This facility consisted of approximately 3,000 cat 5e nodes plus a several thousand pair copper riser and a fiber riser. This cable plant was installed over a 4-month period. It was a very rapid paced project. It involved coordination with the construction trades during the construction of the building. During the move in phases of project, Vision was responsible for not only ensuring that the proper data connectivity was in place, but we were also responsible for setting phones and placing pc's. Vision had to ensure that dial tone existed, physical data connectivity existed, and network connectivity existed and was working properly for each new employee.



Computer Room



Voice Switch Tails

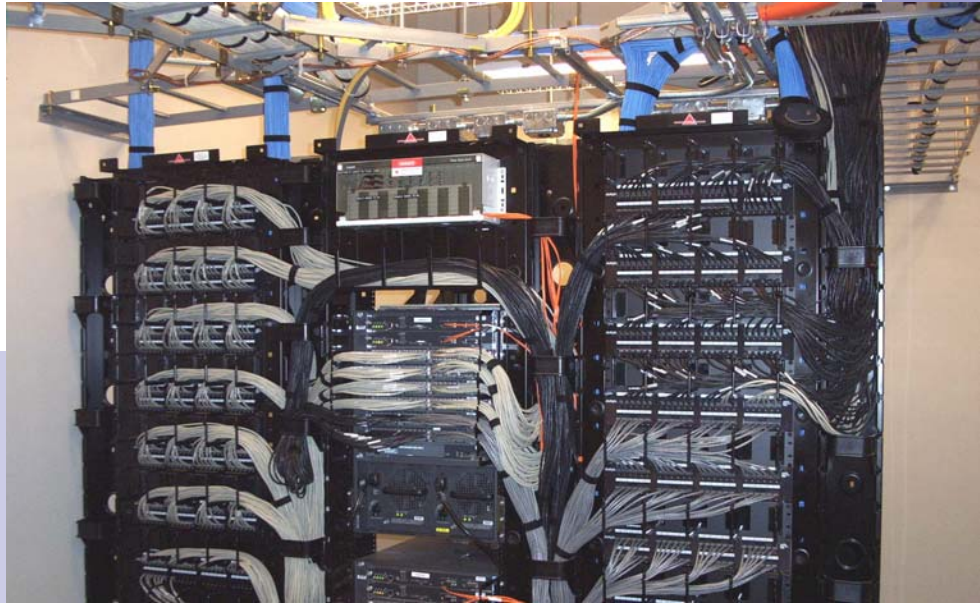


Horizontal Data Patching

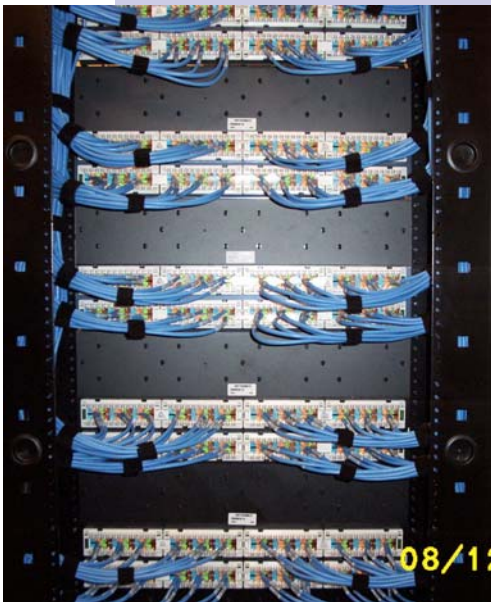
Vision Technologies has also installed structured cable plant for the client's Baltimore campus. Included in the support services provided by Vision are closet build-outs, fiber and copper backbone installation, and rapid-response breakdown and reconfiguration of cubicle furniture along with de-installation and re-installation of voice and data horizontal cabling to support moves, adds and changes. Within the past year Vision Technologies has performed 60 separate projects for this office. The project value is approximately \$1.4 Million

Current support includes the work at Hunt Valley, Newark NJ, and the voice/data structured cable plant installation for the new operations center in Atlanta, GA. and State College in PA.

National Financial Institute



Patch Panel Front View



Patch Panel
Rear View



Patch Panel Front View

National Financial Institute

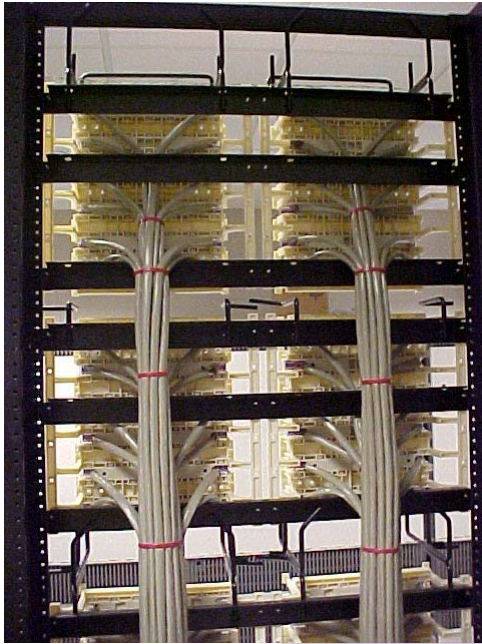


Ladder Rack View



Copper & Fiber Risers

National Financial Institute



Rear View Voice Riser Feed



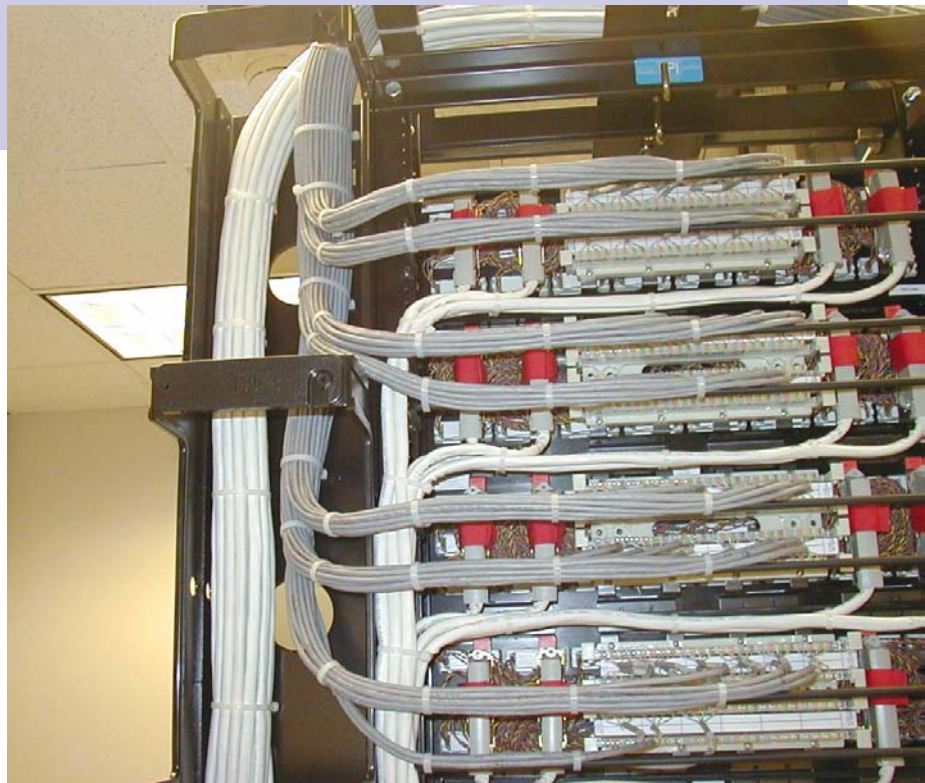
**Rear View Voice Riser
Dressing from below raised floor**



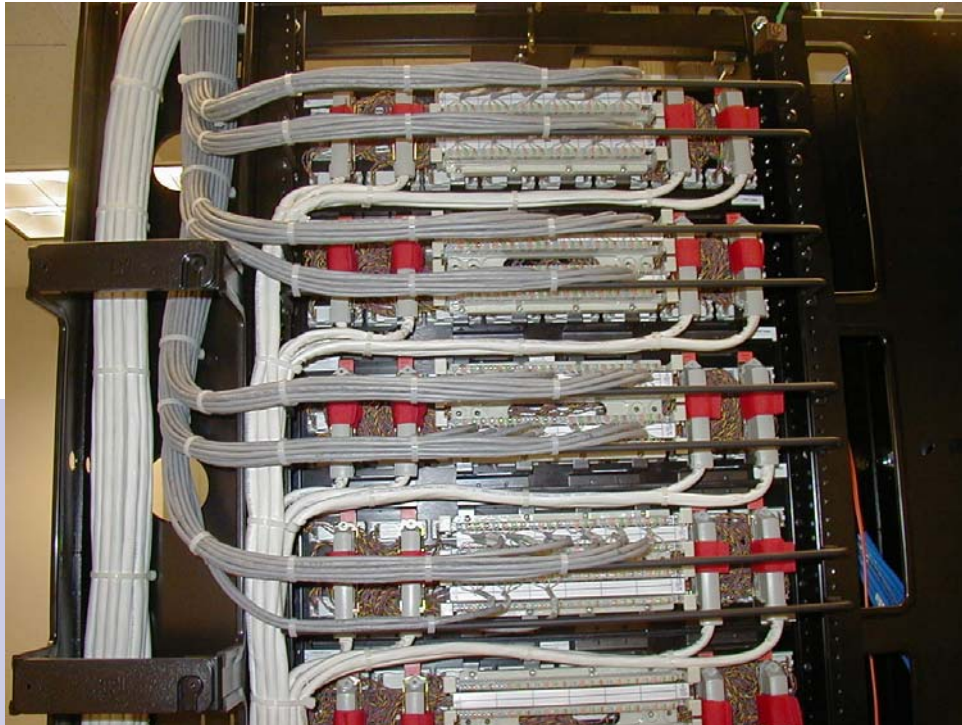
Front View of Voice MDF Field

Ciena

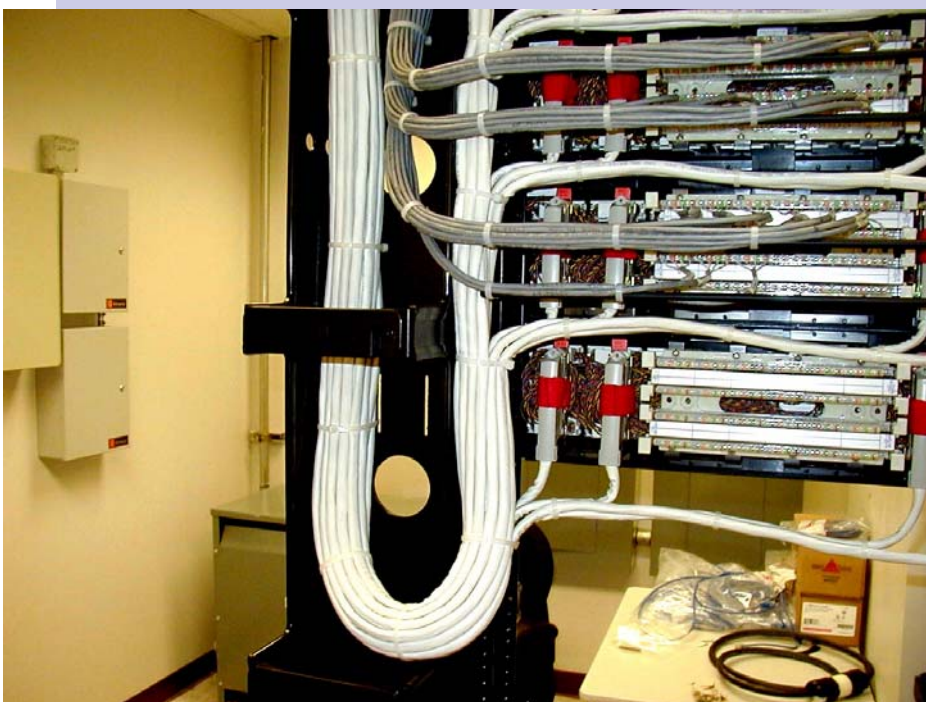
Vision Technologies has designed and installed structured cable plant for Ciena's local campus and buildings, as well as remote offices through the country. Included in the support services that are provided by Vision are closet build-outs, fiber and copper backbone installation, workstation cabling projects, MAC work and outside plant fiber backbone. To date, approximately 4,000 Category 5e cables have been installed, tested and documented. Vision also provides design services for MDF/IDF closet layouts and inter-building backbone routing. Vision Technologies currently supports 13 local buildings, and installations in 3 other states.



Rear View of Voice Patch Field



Rear Views of Voice Patch Fields



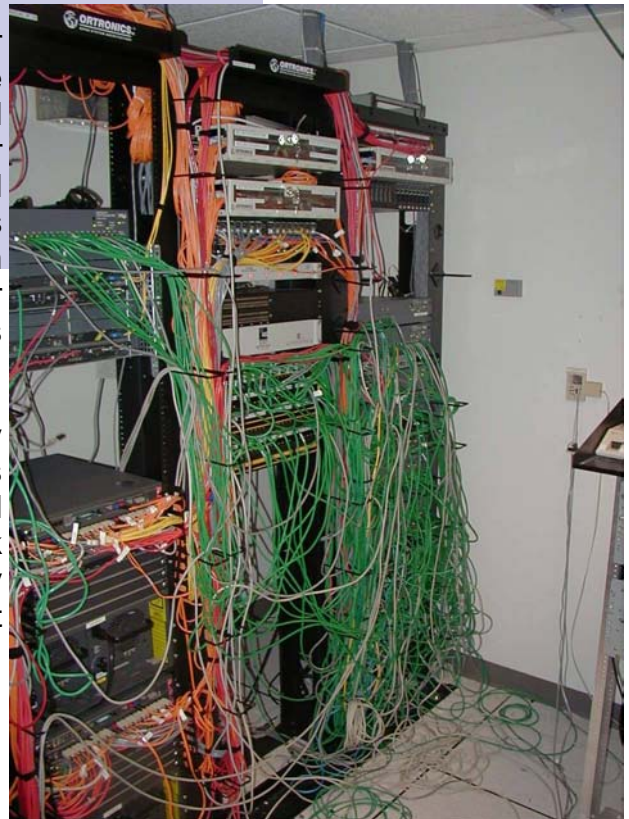
Discovery Communications

Discovery Communications (DCI)

Vision Technologies has performed a series of high profile and high priority afterhours and weekend projects for Discovery Communications. We have successfully completed over 80 projects to date, with great feedback from the customer contacts at DCI. These projects have consisted of a variety of services and complexities. We have completed closet cleanups of complete floors without any interruption in service to the DCI user community. We have installed a combination of standard Discovery voice/data drops, as well as coax drops throughout the facility. We have had the opportunity to provide infrastructure services for the CEO's and CFO's offices. We have installed our systems in many of Discoveries' mission critical locations. Every installation we have done for Discovery has met our goal of 100% customer satisfaction guarantee, as perceived by our Discovery contact. Additionally, we have proven that we are more than just a cabling company. We have provided cutover support for mission critical network electronics, as well as rack and stack support.

The feedback we have received from our customer contacts has been great. We have been told that we have exceeded the expectation on every project, that our craftsmanship has set the standard, and that our people do more than asked. As an example, on one of our computer room cleanups, we not only cleaned up our mess, we cleaned up everyone else's as well.

Additionally, we are supporting Discovery with the implementation of a world-class cabling infrastructure for the new world headquarters building. This is a fast track project that is scheduled for final delivery by the end of Q1, 2003. The base project is valued at \$2.6M.



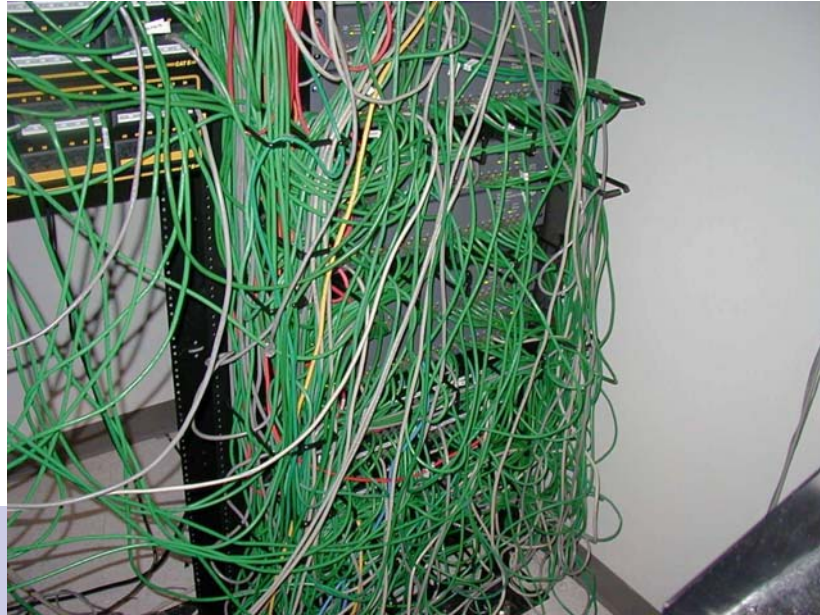
Before Vision!

Discovery Communications



After Vision—8 hours later, with no interruption to end-users!

Discovery Communications



Before—There's a switch in there!



After Vision

Johns Hopkins Applied Physics Lab

ISP - Vision Technologies designed and installed a certified Avaya category-6 horizontal subsystem on Floor 2 of APL's Building 1 at their campus in Laurel, Maryland. Over 493 cables were installed as part of this effort. Vision performed the installation of all cable runs, termination, and testing. The only cables that were not tested as part of this effort were runs that were specified by the customer to be left coiled in the ceiling of user locations. Certification testing with a WaveTech LTRM tester calibrated for category-6 media was performed on 100% of the cable plant - all nodes passed. At the conclusion of the project, Vision provided APL with a documentation package submitted on compact disk. Vision compiled all soft-copy documentation, including workstation run sheets, cat.-6 test results, and CAD floor plans.

OSP - Vision Technologies responded to an emergency requirement from APL that involved the re-termination of hundreds of OSP optical fibers providing the network data backbone for its 40-building campus. The origin of the requirement was the need to install essential new equipment at a location where OSP fiber was already running. In order to accommodate the new equipment, the existing fiber had to be removed, re-routed and re-terminated at both the campus MDF, as well as several core building MDFs.

For this effort, Vision performed termination, testing, and documentation services. Using a team of 12 technicians, Vision worked around the clock, for 44 hours straight, to perform the re-terminations in time to allow a complete cutover to the new fiber. Over 288 multimode and 288 single-mode strands were involved. Vision terminated the strands with Avaya's specialized high-density LC connectors. All multimode and single-mode strands were tested bi-directionally with power meters (at both 850 and 1300 nm wavelengths for multimode; 1310 for single-mode). The strands were also tested bi-directionally with optical time domain reflectometers (OTDRs). Test results met all required parameters, and all field certification results were compiled and submitted to APL as part of the documentation package.

It is important to note also that for this job, Vision Technologies was actually completing the work of another vendor who was unable to meet the scheduling requirements of APL. For that reason, this project demonstrates not only Vision's expertise in OSP and optical fiber environments, but also our flexibility and determination to meet customer requirements, whether planned or unexpected.

Campus-wide Speaker System - Vision is currently performing verification and testing services for the Bogen speaker system for APL's entire 40-building campus. As part of this effort, Vision performs audio tests, from the central console of each speaker. If a speaker connection is found to be faulty, Vision performs thorough testing to determine the source of the problem, then performs replacement and/or adjustment of the faulty elements, from cabling to amplifier to speaker.

MAC - Vision Technologies also has a dedicated team of technicians at APL performing MAC (moves/adds/changes) work. This work involves installation of new UTP and optical fiber nodes to the horizontal subsystems within various buildings on APL's campus.

***If we showed you
what we do here—
we'd have to hurt
you.....***



Hewlett Packard

Disaster Recovery Center

Vision Technologies installed a certified Avaya vertical and horizontal cable infrastructure for Hewlett-Packard's facility in Gaithersburg, Maryland. For this effort, over 758 Avaya category-5e horizontal cables were installed from the IDF to the workstation areas, including highly-secure SCIF facilities. In addition, Vision installed a comprehensive set of tie cabling between closets and floors, including media such as 4/25/50/100-pair UTP and optical fiber cabling.



Vision also installed a highly robust backbone infrastructure between the buildings four floors. Voice backbone cabling consisted of 600-pair UTP cabling between the MDF and IDFs. Data backbone cabling consisted of 6-strand multimode fiber optic cabling between the MDF and IDFs.

All cabling was thoroughly tested using properly calibrated field test equipment, including power meters, cat.-5e/6 test sets, and continuity testers.

At the conclusion of the project, Vision Technologies provided HP with a comprehensive documentation package. The submittal consisted of CAD floor plans with symbols and IDs, closet configuration diagrams, workstation/riser run sheets, cat.-5e test results, and power meter results, and a photo survey indicating the quality of the installation. The entire 3,300-page documentation package was organized into a single Adobe Acrobat file and furnished to HP on compact disk.

