



Northeastern Communications & Electrical LLC

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CT Lic # 184517

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Connecticut Center for Advanced Technology

222 Pitkin Street, Suite 101
East Hartford, CT 06108

Quote # B-15-0098

Attn.: **Greg Bugbee**

IT Support Services Manager
(860) 291-8832 ext. 144
gbugbee@ccat.us

Re: **Brooklyn Elementary School**

119 Gorman Road
Brooklyn, CT

Northeastern Communications & Electrical LLC is pleased to provide a quote for the above-mentioned project.

Project Notes: Per the Brooklyn school representative present at the walk-thru, a high-lift will be made available by the school, if needed. Per Greg, the installation/mounting of the wireless access point units will be completed by CCAT.

SCOPE OF WORK

Horizontal Wiring:

1. Northeastern Communications & Electrical LLC will install a total of:

25: New work area telecommunications outlets *each* consisting of the following:

2: Cat 6 4-pair 24 AWG UTP riser (CMR) rated cables for data
(Wireless Access Point)

3/24/2015

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-RESTRICTED-PROPRIETARY INFORMATION-

The information contained herein is for use by authorized employees of the parties hereto only and is not for general distribution within or outside their respective Companies

At each end user location:

1. Each 4-pair cable will terminate in its own 8-pin modular T568B connector. It will be a continuous cable run from the work area location to the horizontal cross-connect located in the corresponding IDF. Splicing will not be allowed.

Along the cable pathways:

1. Northeastern Communications & Electrical LLC will install a network of cable management "J" hooks above the suspended ceiling to create a cabling pathway from the work area to the TR. All cable pathways will run parallel and/or perpendicular to the outside walls.
2. Surface mount raceway (Wiremold) will be installed, as needed, to properly protect and conceal the cables being installed.

In the IDF's:

1. The data cables will terminate on 24-port equipment rack mounted patch panels. These patch panels will be an 8-pin modular T568B Category 6 type. One 24-port patch panel will be supplied and installed in each of the (4) IDF's.

Identification / Labeling:

1. Each faceplate and the end of each cable will be labeled with a consistent numbering system. Labeling will be done in a professional manner with (black on white, large font) printed labels.

Testing:

1. Each Category 6 cable and pair will be tested at 250 MHz using a Microtest Omni II Scanner Test Set. This test performs a full range of tests, and then compares the results to the ANSI/TIA/EIA 568-B (Category 6) standard.

Standards:

1. This Scope of Work provides for the described work to be done in compliance with NFPA-70 (National Electrical Code), unless otherwise directed or prohibited, all applicable Telecommunications Industry Standards, and specifications presented by the customer at the time of bid.

Warranty:

1. A one-year warranty against defect with the described installation is included with the Northeastern Communications & Electrical Structured LLC Cabling Solution. Northeastern Communications & Electrical LLC warrants that for a period of one year from the system cut over date, the described work under normal use and service will be free from defects and faulty workmanship.
2. WARNING – Avoidance of Electromagnetic Interference (EMI) is critical for performance of the structured cabling system described in this Scope of Work. Therefore, Northeastern Communications & Electrical LLC requires that the Northeastern Communications & Electrical LLC Structured Cabling System be the sole occupant of any cable pathways and spaces (including, but not limited to cable

supports and sleeves) for telecommunications use. Sources if EMI introduced into the cabling pathway must be properly isolated and/or separated by their installer. Failure to comply with this requirement will void all warranties.

Price:

Labor\$4,960.00
Material.....\$3,191.20
Total.....\$8,151.20
(Plus 6.35% CT sales tax, if applicable)

The price provided in this Scope of Work is valid for a period of sixty (60) days

The labor price is based on standard NON-PREVALING wage rates.

Payment Terms are Net 30

Assumptions / Qualifiers:

1. The Northeastern Communications & Electrical LLC normal business hours are Monday through Friday 8:00 AM to 5:00 PM. This Scope of Work is based on all work being performed during normal business hours. The requiring of work to be performed outside of this schedule or a shorter installation interval, causing work to be performed on "over-time" will be an additional cost to the customer and requires prior approval.
2. This Scope of Work does not include the cost of pulling a permit, if applicable.
3. Northeastern Communications & Electrical LLC assumes there are no abnormal environmental or hazardous conditions on the customer's premise which would require extraordinary safety and/or regulatory functions, activities, permits or certifications for Northeastern Communications & Electrical LLC to perform the required work.
4. This Scope of Work assumes that the customer will provide free and ready access to all work locations. Including, but not limited to, rooms, floors, ceiling spaces, and manholes.
5. All required moving of furniture, file cabinets, desks, and equipment will be the responsibility of others.
6. This Scope of Work assumes that the installation of all plywood backboards will be the responsibility of others and are not included in this proposal.
7. Northeastern Communications & Electrical LLC assumes no delays due to other crafts. Inaccessibility to the work areas due to occupancy of other trades, working past their scheduled finish date, may require additional man-hours charged to the customer.
8. This Scope of Work assumes that the installation of all cable tray, conduits, sleeves, Tele/power poles, and core boring not before mentioned, will be the responsibility of others and are not included in this proposal. It also assumes that they will be of sufficient size and design to accommodate all cables to be installed and properly fire-safed.
9. This Scope of Work assumes that prior to the start of work all conduits will have pull strings installed by others and are not included with this proposal.

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10. Alterations or deviations, if any, from the above scope of work, or any delays or postponements of the work by the Customer or its agents which result in additional materials or labor costs, will become an extra charge which will be billed as an addition to this proposal amount. Any extra move on or off the job site due to circumstances beyond our control will be billed as an extra at hourly labor and equipment rates in effect at the time.

Authorization to Proceed:

I have read the above proposal and agree to the Scope of Work and Assumption / Qualifiers as stated. My signature authorizes Northeastern Communications & Electrical LLC to order the required materials and proceed with the installation.

Signature / Date

Print Name / Title

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