

**SECTION 26 00 00
COMMON WORK RESULTS FOR ELECTRICAL**

PART 1 - GENERAL

1.01 REFERENCE STANDARDS

- A. NFPA 70 - National Electrical Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- B. NFPA 101 - Life Safety Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

1.02 SECTION INCLUDES

- A. Access Control Systems.
- B. Closed Circuit Television Systems.
- C. Network Infrastructure.
- D. Security Operations Center (SOC).
- E. Low Voltage Center (LVC).
- F. Demolition of existing electrical systems.
- G. Demolition of existing Access Control Systems.
- H. Demolition of existing Closed Circuit Television Systems.
- I. Secondary power wiring and distribution system.
- J. Lighting, including lamps.
- K. Wiring devices.
- L. Distribution panels and circuit breakers.

1.03 RELATED WORK

- A. Flashing and sealing of conduits through outside walls.
- B. Cutting and patching for electrical work, except for errors and omissions under this Division.

1.04 QUALITY ASSURANCE

- A. It is understood that the rights and benefits given the Owner by the guarantees found in the technical specifications are in addition to and not in derogation of any rights or benefits found in the special and general provisions of the contract.
- B. Electrical equipment provided under this Division shall be turned over in operating condition. Instruction on further operation and maintenance shall be included in the operating and maintenance instructions.
- C. Please note, NYCHA reserves the right to update and modify design in accordance with new products and updated design requirements.

1.05 REFERENCES

- A. Perform work in accordance with standards listed below. Where these specifications are more stringent, they take precedence. In case of conflict, obtain a decision from the Engineer.
 - 1. NFPA 70: National Electrical Code
 - 2. NFPA 101: Life Safety Code
 - 3. New York State Energy Code
 - 4. New York State Building Code

5. Applicable New York State Administrative Code
 6. Applicable Town Ordinances.
 7. Electric utility rules and regulations.
 8. Telephone utility rules and regulations.
 9. New York Housing Authority Rules and Regulations
- B. Contractor shall be required to abide by all safety protocols and requirements as indicated in NYCHA's general conditions and front-end documents.
 - C. Submit site safety plan for review by NYCHA safety team prior to beginning construction.
 - D. Each site shall have a dedicated site safety representative.

1.06 PERMITS AND FEES

- A. The Contractor shall obtain and pay for all permits, construction charges, fees, licenses, certificates, inspections and other use charges required in connection with the work. At a minimum, a DOB minor work permit is required to comply with NYCHA CSQ rules.
- B. Such permits include, but are not limited to:
 1. Transportation and disposal of debris.
 2. Electrical Inspectors, Inc., or a pre-approved electrical inspection agency.

PART 2 - PRODUCTS

2.01 MATERIALS AND EQUIPMENT

- A. All materials and equipment used in carrying out these specifications shall have UL listing and label. Specifications and drawings indicate name, type, or catalog numbers of materials and equipment to be used as standards. Proposals shall be based on these standards. Contractor may use materials and equipment equivalent to those specified, subject to Engineer's approval.

PART 3 - EXECUTION

3.01 COORDINATION

- A. Carefully examine specifications, drawings and project site to be thoroughly familiar with items which require electrical connections and coordination. Electrical drawings are diagrammatic and shall not be scaled for exact sizes.
- B. Notify other Contractors of any deviations or special conditions necessary for the installation of work. Interferences between work of various contractors to be resolved prior to installation. Work installed not in compliance with specifications and drawings and without properly checking and coordinating as specified above shall, if necessary, be removed and properly reinstalled without additional cost to the Owner. Engineer to be mediating authority in all disputes arising on project.
- C. Equipment shall be installed in accordance with manufacturer's recommendation. Where conflicts occur between contract documents and these recommendations, a clarification shall be requested of the Engineer for decision before proceeding with such work.
- D. Insofar as it is possible to determine in advance, advise masonry tradesmen to leave proper chases and openings. Place all outlets, anchors, sleeves, and supports prior to pouring concrete or installation of masonry work. Should the Contractor neglect doing this, any cutting and/or patching required to be done is at this Contractor's expense.
- E. FIRE ALARM – For any facilities that utilize an existing fire alarm system, the contractor shall coordinate with the owner and fire alarm monitoring company prior to removing or disabling any devices. It shall be the contractor's responsibility to provide fire watch as per the latest addition of the Fire Code of New York State. The contractor shall provide fire watch for all areas of a facility while occupied and unoccupied when any device or part of the fire alarm system is deactivated or put into "test mode".

- F. Contractor shall coordinate downtime for any existing systems including but not limited: IP video, access control, and intrusion detection with NYCHA. Contractor shall not be permitted to modify any existing systems without explicit permission from NYCHA.

3.02 CUTTING AND PATCHING

- A. Repair or replace routine damage caused by cutting in performance of work under this Division.
- B. Correct unnecessary damage caused due to installation of electrical work, brought about through carelessness or lack of coordination.
- C. Holes cut through floor slabs to be core drilled with drill designed for this purpose. All openings, sleeves, and holes in slabs to be properly sealed, fire proofed and waterproofed.
- D. Repairs to be performed with materials which match existing materials and to be installed in accordance with appropriate sections of these specifications.
- E.

3.03 TESTS

- A. On completion of work, installation shall be completely operational and entirely free from ground, short circuits, and open circuits. Perform a thorough operational test in presence of the Engineer. Balance all circuits so that feeders to panels are not more than 10% out of balance between phases with all available load energized and operating. Furnish all labor, materials and instruments for above tests.

3.04 IDENTIFICATION OF EQUIPMENT

- A. Properly identify the following:
 - 1. Distribution panels.
 - 2. Individually mounted circuit breakers.
 - 3. Access Control Panels and associated power supplies.
 - 4. CCTV Panels / Equipment and associated power supplies.
- B. Use permanently attached black phenolic plates with 1/4-inch white engraved lettering on the face of each, attached with two sheet metal screws.
- C. Receptacles shall be labeled with panel name and circuit breaker number.

3.05 INSTALLATION

- A. The Contractor shall carefully move and replace existing equipment, appliances and all related items, as required to conduct proposed work.
- B. Install and conduct all work per applicable NEC, State and local codes.

END OF SECTION 26 00 00 26 00 00