

DIVISION 1 - GENERAL REQUIREMENTS
Section 01010 - Summary of the Work

1. GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions and other pertinent sections, apply to this Section.

1.02 WORK COVERED BY CONTRACT DOCUMENTS

- A. Provide all labor, material and equipment necessary to perform all the work involved with the Chicago Public Schools work as indicated on the drawings, as specified herein, per contract specifications and/or prints, or as otherwise required for a complete job at the Chicago Public Schools.
- B. Prior to submission of bids, bidders should visit the site and familiarize themselves with existing conditions and the scope of the work. Contractor and/or sub contractors shall verify all dimensions, conditions, and quantities at the site. **No extras will be allowed for field conditions.**

1.03 WORK SEQUENCE

- A. Construct work in stages.
- B. Electrical and Communications Contractors will provide installation in a professional manner, allowing for each others future installation of cabling by providing pipe nipples thru walls or floors to connect between wiremold raceway, junction boxes, concentrators, etc.

1.04 PROJECT/WORK DESCRIPTION

- A. General: the Principal of the Chicago Public Schools and/or CPS Central office Project management requesting work selects the project name and/or number. All drawings and specifications are to be dated and include the Project Name and/or Number. The term **“Owner”** shall refer to the Chicago Public Schools.
- B. Contract Documents: Indicate the work included in the contract and related requirements and conditions that have an impact on the project. Related requirements and conditions should be indicated on the contract documents and should include, but are not necessarily limited to, the following:
 - 1. Existing site conditions and restrictions on use of the site.
 - 2. Work performed prior to work under contract.
 - 3. Alterations and coordination with existing construction.
 - 4. Work to be performed concurrently by other contractors.
 - 5. Cabinets, closets, doorways, sinks, wall mounted and/or baseboard heaters, etc. will be identified on prints.

- C. Where Work is: indicated or required in an area not defined as being renovated, include in the Proposal all costs required to remove, relocate, reinstall, repair and/or replace existing construction as may be necessary to do the required Work. Trades people skilled in the Work required shall perform all such Work. All affected areas shall be restored to the original or better condition to the satisfaction of the School Principal, Architect/Engineer and Construction Manager. No additional charges will be allowed for failure to include all labor and material that is required for this work. Work required in existing "finished" areas must be coordinated with the Building Engineer and/or Principal to assure minimal disruption of normal activities. **If Work is required to be done during other than regular school hours, include all costs for premium time Work in the Proposal.**
- D. Remove and reinstall existing ceilings as required to install new conduits, boxes and other material for this Work.
- E. Include all costs in the Proposal, which are required to cut, patch and refinish the existing construction in order to do the Work. Also include the removal and reinstallation of building components if necessary to do the Work.
- F. Remove obsolete material and equipment from the facility and properly dispose of same off site.
- G. Obtain all required permits and pay all fees necessary to perform the Work.
- H. Summary of References: Work included in the contract shall be summarized by references to the contract, General Conditions, Standard Operating Procedures, Supplementary Conditions, Specifications Sections, Drawings, addenda and modifications to the Contract documents issued subsequent to the initial printing of this project manual and including, but not necessarily limited to printed material referenced by any of these. It is recognized that work of the Contract is also unavoidably affected or influenced by governing regulations, natural phenomenon, including weather conditions and other forces outside the Contract Documents.
- I. Abbreviated Written Summary: Briefly and without force and effect upon the Contract documents, the work of the Contract can be summarized as follows:
 - 1. The work will require dedicated isolated power distribution throughout the building for use by computers, printers, all infrastructure network electronics, and wireless access points.
 - 2. The work will require Fiber Optics, Category 5e and Coax wire distribution throughout the building for data and communication.
 - 3. The work shall include all wire, raceway, devices, terminations, hardware and equipment shown on drawings and specified herein.
 - 4. The work shall also include construction of partition walls, furring of walls around electrical panels and installation of air conditioning units.
 - 5. In Concealed area (attic, crawl space, locker chases, chases, drop ceiling and/or basement) will be used for routing of conduit. Variances maybe provide by OTS Project Managers, prior to installation only. Installation of conduit in unfinished areas

without notifying OTS will result removal of conduit, patching and painting at the Contractors expense.

1.05 CONTRACTOR USE OF PREMISES

- A. General: The Contractor shall limit its use of the premises to the work indicated, so as to allow for adjacent occupancy and use by the public.
- B. Use of the Site: Confine operations at the site to the areas permitted under the Contract. Portions of the site beyond areas on which work is indicated are not to be disturbed. Permission from the Principal or the Owners representative must be obtained for access beyond the work area. Conform to site rules and regulations affecting the work while engaged in project construction.
- C. Keep existing driveways and entrances serving the premises clear and available to the Owner and its employees at all times. Do not use these areas for parking or storage of materials.
- D. Do not unreasonably encumber the site with materials or equipment. Confine stockpiling of materials and location of storage sheds to the areas indicated by the Principal or the Owners representative. If additional storage is necessary, obtain and pay for such storage off site.
- E. Do not load structure with weight that will endanger structure.
- F. Assume full responsibility for the protection and safekeeping of products stored on premises.
- G. Move any stored products, which interfere with the operation of Owner or other Contractor.
- H. Coordinate all work with the Construction Manager and/or Building Engineer; and consult with him to obtain access to the building, and areas around the construction site for work areas, storage, unloading, parking, etc. Do not block any required exits while the building is occupied.
- I. Lock automotive type vehicles, such as passenger cars and trucks and other mechanized or motorized construction equipment, when parked and unattended, so as to prevent unauthorized use. Do not leave such vehicles or equipment unattended with the motor running or the ignition key in place.
- J. Use of the Owner's loading dock in the area will be available to the Contractor. However, the Contractor will adhere to the Owner's procedures, safety and security methods.
- K. Contractor Use of the Existing Building: Maintain the existing building in a safe, secure and weather-tight condition throughout the construction period. Repair damage caused by construction operations at the contractor's expense. Take all precaution necessary to protect the building and its occupants during the construction period.

- L. Keep public areas such as hallways and toilet rooms free from accumulation of waste materials, rubbish or construction debris.
- M. **Smoking or open fires will not be permitted within the building enclosure or on the premises.**
- N. Except for the toilet rooms designated by the Owner for use by the Contractor's personnel, use of existing toilets within the building will not be permitted for the Contractor and its personnel.
- O. Prevent airborne debris and particles from entering other adjacent areas of the work place and building.
- P. **Contractors and their employees will be required to sign in and out with the Building Engineer on a daily basis.**

1.06 **OWNER OCCUPANCY**

- A. The Owner will occupy the site and the existing building during the entire period of construction. The Contractor and its representatives shall cooperate fully with the Owner or its representative during construction operations to minimize conflicts and to facilitate Owner usage. The work shall be performed so as not to interfere with the Owner's operations.
- B. Partial Owner Occupancy: The Owner reserves the right to place and install equipment as necessary in completed areas of the building and to occupy such completed areas prior to substantial completion, provided that such occupancy does not substantially interfere with completion of the work. Such placing of equipment and partial occupancy shall not constitute acceptance of the work or any part of the work.

1.07. **ALTERATIONS AND COORDINATION**

- A. General: The work of this Contract includes coordination of the entire work of the project, including preparation of general coordination drawings, diagrams and schedules, and control of site utilization, from the beginning of construction activity through project close-out and warranty periods.
- B. Power Interruption: The Contractor shall organize the work so as to minimize power interruption. All interruption of electrical service shall be coordinated with the Owner's Representative regarding exact time and duration of power interruption. All such power interruptions shall be executed on premium time (late night or early morning), and at the discretion of the Owner, at no additional cost.

1.08. **PROVISIONS**

- A. Electrical Requirements: Except as otherwise indicated, comply with applicable provisions of the National Electrical Code (NEC) and standard by National Electrical Manufacturer's Association (NEMA), for electrical components of general work. Provide Underwriters Laboratories listed and labeled products where applicable.

- B. Contractors and subcontractors will meet all City, State and Federal Codes. The Contractor or subcontractors that are actually performing the work must be licensed by the City of Chicago. This license must be current before any electrical and/or communication work is bid. Before proceeding with any work, an electrical permit must be obtained from the City of Chicago, Department of Building, Bureau of Electrical Inspection Section, by the Contractor or subcontractor performing the actual work. Failure to obtain a permit will result in removal of the Contractor or subcontractor from this and future work being requested by the Chicago Public Schools. The Contractor must request and obtain a certificate of completion to be issued by the City of Chicago, Department of Building, Bureau of Electrical Inspection Section after final inspection has been approved. Variance regarding electrical codes must be submitted for approval to the City of Chicago, Department of Building, Bureau of Electrical Inspection. Bureau of Electrical must approval all variances regarding codes prior to commencement or work.

Questions regarding City of Chicago Electrical Codes may be directed to:

City of Chicago	312-746-8061
Department of Building	312-746-8056
Bureau of Electrical Inspection Section	
2240 West Ogden Ave	
Chicago, IL 60602	

1.09 **PERFORMANCE REQUIREMENTS FOR COMPLETED WORK**

- A. General: The Contract Documents indicate the intended occupancy and utilization of the buildings and their individual systems and facilities. Compliance with governing regulations is intended and required for the work and for the Owner's occupancy and utilization. In addition to the requirement that every element of the work comply with applicable requirements of the Contract Documents, it is also required that the work as a whole comply with the general building performance requirements of the Owner.

1.10 **STAFFING**

- A. **Retain the same project coordinators and the same installation foremen in charge for the entire duration of the installation through final acceptance of the systems.**
- B. Keep adequately staffed crews at all times to insure proper coordination with all trades and timely completion of the installation of the systems.

1.11 **EXISTING CONDITIONS**

- A. Remove and reinstall existing ceiling tiles as required to install new concealed conduits.
 - 1. Replace any tiles, which become damaged or marred.
- B. Cut and patch existing construction as required installing of new concealed conduits.
 - 1. Return damaged and cut surfaces to equal or better condition than original.
 - 2. Match adjacent surfaces as required.

3. Refinish damaged and cut surfaces to match adjacent finishes.
- C. Remove debris from premises and properly dispose of off-site.
 - D. Repair existing fireproofing, which becomes damaged by the installation of new material.
 - E. Seal all penetrations made in fire and smoke walls and floors with a UL/FM approved fire-rated substance.
 - F. Provide dirt/dust barriers (visqueen or similar) to isolate each area of Work from adjacent areas to prevent contamination.
 1. Barriers shall be installed so as not to obstruct the flow of students, administrative personnel, or block exit ways.
 2. After Work is completed in each area, remove the barriers and properly dispose of it off-site.
 - G. All wiring will be installed in conduit or surface metal raceways by licensed electricians.
 1. Provide new extension rings, outlets boxes, conduit, fittings, wire and necessary appurtenances required for a complete system.
 2. All new conduits shall be concealed within the existing construction where possible: **no exposed conduits will be permitted in “finished” areas without prior permission from OTS Project Manager.** Provide surface metal raceways of sizes and types required as permitted by Code.
 3. **No plastic raceway will be permitted.**
 4. Provide adequate supports for all material being installed. Do not support material from ceiling grids, grid support wire, or tiles.
 5. In Concealed area attic, crawl space, locker chases, chases, drop ceiling and/or basement will be used for routing of conduit. Variances may be provided by OTS Project Managers, prior to installation only. Installation of conduit in unfinished areas without notifying OTS will result removal of conduit, patching and painting at the Contractors expense.
 6. Routing of raceway.
 - To provided a more astatically, cost effective installation. Routing in hallways will be the last alternative for raceway installations.
 - Use a vertical installation with raceway thru classrooms where possible.
 - Utilize coat closets, janitor closets, pipe chases, locker chases, attic, crawl space and basement for routing of conduits.

END Section 01010