

**THE SCHOOL DISTRICT OF PHILADELPHIA
SCHOOL REFORM COMMISSION
Office of Capital Programs
440 North Broad Street, 3rd Floor – Suite 371
Philadelphia, PA 19130**

TELEPHONE: (215) 400-4730

Addendum No. 005

**Subject: Benjamin Franklin High School Renovation and Improvements
General Construction, Electrical, Mechanical & Plumbing
SDP Contract No. B-019C**

**Location: Benjamin Franklin High School
550 N. Broad Street
Philadelphia, Pennsylvania 19130**

This Addendum, dated July 3, 2018, shall modify and become part of the Contract Documents for the work of this project. Any items not mentioned herein, or affected by, shall be performed strictly in accordance with the original documents.

Contractor questions:

1. Specification section 01 1300 discusses the construction schedule and establishes the work to be substantially completed in less than one year duration. This schedule is very aggressive and results in a very high cost of construction, well beyond the stated budget. Can the schedule be revised to allow work to be substantially completed in two (2) years, or more? Please advise. If so, please provide revised phasing completion dates.

Response: No.

2. Please confirm for pendant fixtures where (2) 4' sections are shown that (1) 8' section can be provided instead.

Response: Use 8' Section for pendant fixtures where specified on drawings plans.

3. An allowance was listed for spare fixtures on every single lighting plan. Please confirm this is a single allowance and not an allowance to provide for every instance shown on the plans. The allowance says to provide conduit and wire for the fixtures, but the allowance does not specify length of conduit and the size of the wire AWG (10 or 12) to include for each fixture in our bid. How much conduit should and what size wire should we include for each fixture in our bid? Do we have to turnover unused allowance to the owner at the end of the project? If unused allowance has to be turned over, can this allowance be put on the bid form?

Response: Confirmed- this is a single allowance. Extra fixtures list pertains to entire set of lighting drawings. Conduit and wire sizes and lengths shall be calculated by the Electrical contractor and shall be provided too. Unused equipment shall be turned over to the school district and can be placed on the bid form.

4. An allowance was listed on every single power plan for spare equipment and devices. Please confirm this is a single allowance and not an allowance to provide for every instance shown on the plans. The allowance says to provide conduit and wire for devices, but the length of the conduit and size of the wire in AWG is not specified to include for each device in our bid. How much conduit should and what size wire should we include in our bid for each device?

What is the conduit, wire size and wire quantity required for the safety switches? Do we have to turnover unused allowance to the owner at the end of the project? If unused allowance has to be turned over, can this allowance be put on the bid form?

Response: Confirmed- this is a single allowance. Extra equipment and devices list pertains to entire set of power drawings. Conduit and wire sizes and lengths shall be calculated by the Electrical contractor following NEC guidelines and shall be provided too. Unused equipment shall be turned over to the school district and can be placed on the bid form.

5. On drawing E202 2nd floor electrical lighting new work plan east, there is a fixture type L7A shown on the floor plan that is not specified. Please provide fixture specification.

Response: Fixture labeled L7A shall follow the fixture type of Fixture L7 on the lighting schedule.

6. On drawing E204 as an example, there is a symbol called Sosd that is not defined on the cover sheet. Please advise what this symbol means and basis of design manufacturer/model.

Response: Switch tags labeled "Sosd" is to indicate a combination of occupancy sensor with dimmer. All switch tags that appear with these indications are feature combinations, follow cover sheet for tag definitions in the event of other combinations (typical).

7. Is the CCTV cabling supposed to be in all conduit with trunk line quantities and sizes decided by contractor that are separate from the data? Or are we supposed to use the data trunk lines shown on the telecom drawings for CCTV cable as well? Or can we run CCTV cables free air on J hooks back to racks and provide sleeves between walls?

Response: CCTV cables have been part of the conduit sizing calculation and the intent is yes, the CCTV cabling will use the same conduit and pathways provided for the structured cable plant.

8. Can the low voltage lighting control cabling and security cabling be routed free air on J hooks above accessible ceiling?

Response: J-hooks will not be permitted on this project.

9. We interpret the tele data system scope is to provide conduit for the entire cable pathway back to the rack utilizing the corridor trunk lines. Please confirm this intent of the tele data cabling. Are we mistaken and there are instances where teledata cable can be routed free air on J hooks?

Response: J-hooks will not be permitted on this project.

10. On drawing E202 2nd floor west plan, there is a symbol Sos3d that is not defined on the cover sheet. Please advise what this symbol means and basis of design manufacturer/model.

Response: Switch tags labeled "Sos3d" is to indicate a combination of three way switch with occupancy sensor and dimmer. All switch tags that appear with these indications are feature combinations, follow cover sheet for tag definitions in the event of other combinations (typical).

11. The lighting general notes have a note about fixtures designated to have emergency battery backup. The lighting plans show a subscript "EM" for emergency fixture, but where on the cover sheet is this defined what "EM" means? How do we tell which fixtures are just fed from the generator emergency distribution and which fixtures actually required battery backup? For example there is a fixture type CL1 EM, but this fixture is not specified with battery backup. Please clarify battery backup scope for fixtures.

Response: Lighting general notes says specifically "Lighting fixtures designated to have emergency battery backup shall be wired ahead of switching, preventing battery use when switch is in the off position." For clarification, fixture with battery backups are not in the design intent. EM definition on cover sheet is "Emergency Only". Please refer to Lighting Schedule Notes #2 for fixtures that are marked "EM". For Fixtures specifically named with "EM" designation and for those not completely defined in fixture schedule but labeled with "EM" on drawings, all descriptions at the end is intended as "On Emergency Circuit". Please refer to Manufacturer Part No. on fixture schedule and follow Luminaire Schedule General Notes for further information.

12. On the security riser diagram on drawing TY-701, there is a symbol called LAN-ofe in a box. Where is this symbol defined? What is the furnish and install delineation of scope between owner and EC for this symbol?

Response: LAN - OFE = Local Area Network, Owner Furnished Equipment (Network Equipment) Low Voltage Installer is responsible for fiber and structured copper cabling for the CCTV network. SDP will install the switches (OFE)

13. Does the intercom cable have to be run in conduit above accessible ceiling? Or can we provide J hooks and sleeves between each room for accessible ceiling application?

Response: J-hooks will not be permitted on this project.

14. On the security riser diagram on drawing TY-701, there is a symbol called VSS in a box. Is this a CCTV network switch? If so, is the EC required to install CCTV network switches, furnish and install CCTV network switches, or is SDP responsible for furnish and install of CCTV network switches?

Response: VSS is the Video Surveillance Server - this server installation and commissioning falls under the security Integrators' scope. SDP will furnish, configure and install all network switches.

15. We understand the EC is responsible for wiring the electric strikes, but which prime is responsible for furnishing the electric strikes shown in detail 5 drawing TY-801? Which prime is responsible for mounting the electric strikes to the door frame? Where are the surface mounted electric strikes specified?

Response: GC is responsible for furnishing electric strike. EC to install.

16. The security drawings indicate a security head end rack. Is this existing or new? If the rack is new, is this rack furnished by EC or SDP? If this rack is new, is this rack installed by EC or SDP? If EC has to furnish, or furnish and install, please provide basis of design manufacturer and model # for rack. There are no details on the drawings about the security head end. Please advise EC furnish and install responsibilities for the security head end and provide missing details if required

Response: The Security Head End Rack is new and furnished/installed by the low voltage installer. The IT specifications provide information on the rack details.

17. The security riser diagram on drawing TY-701 doesn't show any details on the electric strikes and how they are wired to the security system. Please provide details.

Response: Refer to Hardware Set 1 as described on sheet A610, as well as specification section 087100.

END OF ADDENDUM #005