ADDENDUM NO. 1

To Drawings and Specifications for

Elevator Modernization for

Carver Educational Services Center

Montgomery County Public Schools

07 January 2020

INTRODUCTION:

This Addendum is issued for the purposes of amending the requirements of the drawings and specifications dated October 11, 2019, and is made a part of the Bidding Documents to the same extent as though it was included therein.

PREVIOUS ADDENDA:

None

INDEX:

ATTACHMENTS:

- Revised Sheet E1.1, EXISTING/DEMOLITION & PROPOSED FLOOR PLANS, dated 01/07/2020

A. RESPONSES TO BID RFIs

RFI #01 Is this project subject to prevailing wage/Davis Bacon requirements? If so, please include within the bid documents.
Response: MCPS is to respond.

RFI #02 Page E1.1 of the drawings shows existing heat detectors within the machine room and elevator shafts. These devices are not existing per field verification. Please advise.
Response: Heat detectors indicated as “existing” can be disregarded, they do not exist.

RFI #03 Please confirm that no sprinkler work is required. Shunt trip relays exist within the machine room but there are no sprinklers within elevator related areas. Shunt trip devices for the elevators are to be installed as shown. Sprinklers are not required per current code. Please advise.
Response: No sprinkler work is required and shunt trip devices can be removed.

RFI #04 Adequate elevator machine room lighting is a requirement, but new machine room lighting is not shown. Please advise.
Response: See attached for reissued sheet E1.1, indicating new lighting within the elevator machine room.

RFI #05 A duplex GFCI receptacle is required within the elevator machine room but is not shown. Please advise.
Response: See attached for reissued sheet E1.1, indicating the receptacle location.

RFI #06 The existing MDP as shown on page E0.1 of the drawings appears to operate on emergency generator power. Please confirm that the intent is to add these two elevators to the emergency power. If so, all elevator related circuits must also be moved to emergency power to meet code requirements. Please advise how to proceed.
Response: See attached for reissued sheet E1.1, indicating Panelboard B will be used for 120v connections.

RFI #07 There are no relay modules for the fireman's flashing hat signal within the elevator machine room. This is a code requirement but is not shown. Please advise.
Response: Add relay modules as required.

RFI #08 There are no shunt trip power monitoring modules within the elevator machine room. This is a requirement if shunt trip devices are to be installed, but not shown on the drawings. Please advise.
Response: No shunt trip devices are required; standard disconnecting switches will be installed.

RFI #09 Specification section 2.5; A.; 1. States 36" wide and drawing A1.1 – Details show 42" mi. clear opening. Please advise which is correct.
Response: 42" minimum is correct. See Part B below for revision to the specification language.

RFI #10 Specification sections 2.5, A2 and 2.9, B2, a1- States two speed, side sliding doors. The existing are single speed, center opening. Please advise.
Response: Doors shall be single speed, center opening. See Part B below for revision to the specification language.

RFI #11 Spec section 14 21 10 – 6 section 2.3 A; 6. & B. 6. States operation type single automatic operation. The elevators appear to be duplex operation currently and have only one hall station for operation. Please advise if elevators are to be duplex or single automatic operation.
Response: Elevators are to be duplex operation. See Part B below for revision to the specification language.

RFI #12 Specification section 14 21 10 – 13 section 2.12; 2. States that the top of the hoistway smoke detectors shall activate the top of the hoistway motorized vent and should meet requirements of IBC 3004. The current iteration of the IBC does not include hoistway venting requirements. This new hoistway venting system is also not shown on the drawings. Please advise.
Response: Hoistway venting is not required. See Part B below for revision to the specification language.

RFI #13 Are the elevator machine room's floors, walls and ceiling getting painted?
Response: Yes, the elevator Machine Room walls, ceiling, and floors shall be provided with new finishes. See Part C, Architectural Drawings, below.

RFI #14 Since there is a working elevator that was modernized 2 years ago, can both elevators be taken out of service and modernized concurrently?
Response: MCPS is to respond.

RFI #15 They show existing machine room lights getting demolished but nothing going back?
Response: See attached for reissued sheet E1.1, indicating new lighting within the elevator machine room.

RFI #16 How far is the main electric distribution panel from the elevator machine room? The drawings do not indicate.
Response: The main distribution panel is located in the large basement floor mechanical/electrical room that is located directly outside of the Elevator Machine Room – see schematic layout on sheet E0.1, which is roughly to scale. Note that drawings are somewhat diagrammatic in nature and may not be exact. The Contractor shall field verify all dimensions and conditions as required to prepare a responsible bid.

RFI #17 Are the cab sills to be replaced with nickel silver sills or retained and cleaned?
Response: The cab sills shall be replaced with new nickel silver sills. See Part B below for revision to the specification language.

RFI #18 What floors entrances will be clad in SS#4
Response: The entrance shall be clad in stainless steel at every floor. See Part C, Architectural Drawings, below.

RFI #19 Spec says to replace the cab interior but retain the door and repaint it. Is this correct?
Response: The door shall be clad in stainless steel. See Part B below for revision to the specification language.

RFI #20 Specification section 14 21 10 – 06; 2.3 states that the rated speed is to be 350 FPM. The rated speeds of the existing elevators appear to be 300 FPM according to the crosshead data tags. Please confirm that the intent is to increase the speed from 300 FPM to 350 FPM.
Response: The existing speed shall be maintained. Adjustment is not required. See Part B below for revision to the specification language.

RFI #21 Specification section 14 21 10 - 3, 1.3, D,1,G states to provide corridor directional lanterns. Specification section 14 21 10 - 13, 2.10, F,1 states to replace the corridor directional hall lanterns. There are not any directional lanterns existing to replace. Please confirm if the intent is to install new hall directional lanterns at each landing or if this an oversight.
Response: New corridor directional lanterns shall be provided. See Part B below for revision to the specification language.

B. SPECIFICATIONS

1. SECTION 14 21 10 – MODERNIZATION OF EXISTING TRACTION ELEVATORS

REVISE - Under Part 2 – Products, 2.3 Elevator Description, A. Elevator 1 Description and B. Elevator 2 Description, item 5., **REVISE** the description for both elevators to read as follows **"**Rated Speed: **Match Existing (note that the existing speed is believed to be 300 fpm and is not required to be adjusted)**."

REVISE - Under Part 2 – Products, 2.3 Elevator Description, A. Elevator 1 Description and B. Elevator 2 Description, item 6., **REVISE** the description for both elevators to read as follows **"**Operation System: **Duplex** Operation."

REVISE - Under Part 2 – Products, 2.5 Hoistway Equipment and Components, A. Hoistway Entrances, item 1., **REVISE** the second sentence to read as follows **"**Existing openings approximately **42"** wide x 84**"** tall."

REVISE - Under Part 2 – Products, 2.5 Hoistway Equipment and Components, **REVISE** A. Hoistway Entrances, item 2. to read as follows **"**Type: **Single-speed, center opening**."

REVISE - Under Part 2 – Products, 2.8 Car Enclosures, **REVISE** B. Materials and Finishes, item 5. a. to read as follows **"**Retain and recondition existing door panels**, clad in new No.4 stainless steel.**" Doors are not to be painted.

REVISE - Under Part 2 – Products, 2.8 Car Enclosures, **REVISE** B. Materials and Finishes, item 7. to read as follows **"**Sills: **Provide and install new nickel-silver sills at each car**."

REVISE - Under Part 2 – Products, 2.9 Hoistway Entrances, B. Materials and Fabrication, 2. Doors, **REVISE** a. Provide and Install new: item 1. to read as follows **"Single-speed, center opening,** code compliant, UL listed hoistway doors. Satin finish No.4 stainless steel."

REVISE - Under Part 2 – Products, 2.10 Signal Equipment, F. Hall Lanterns, **REVISE** item 1. to read as follows **"Provide new corridor directional lanterns**."

DELETE - Under Part 2 – Products, 2.12 Special Features, A. Firefighters' Service, 2. Smoke Detectors, **DELETE** items c. and f. Hoistway motorized venting system is not required.

C. ARCHITECTURAL DRAWINGS

1. **DRAWING A1.1, EXISTING/DEMOLITION & PROPOSED FLOOR PLANS – On Details 1 and 2, note that the entire interior of the existing elevator machine room shall be prepared and painted. This shall include all new and existing walls, new and existing doors and frames, and the existing ceiling. The floor shall receive a new Epoxy finish. Product shall be Corotech V440 Waterborne Amine Epoxy or Sherwin-Williams Macropoxy 646 Fast Cure Epoxy. Color shall be Battleship Gray. Provide floor prep and primer as recommended by the manufacturer.**

2. **DRAWING A5.1, INTERIOR ELEVATION & SECTIONS THRU ELEVATOR SHAFT – On Detail 2, Elevator Lobby Interior Elevation, CLARIFY that the medium gray solid hatch indicated at the hoistway opening at each floor is intended to indicate the extent of areas to be clad in new No. 4 stainless steel finish. This includes all hoistway openings from the basement up to the second (uppermost) floor.**

D. ELECTRICAL DRAWINGS

1. **DRAWING E1.1, EXISTING/DEMOLITION & PROPOSED FLOOR PLANS – See attached revised drawing sheet, which includes the following updates:**

   REVISE **The** lights in the elevator pit to emergency type as indicated on reissued sheet.

   REVISE Drawing Notes 4, 5, 7, and 8, as indicated.

   REVISE Heat detector in “Elev. Mach. Rm.” To “SD”

   DELETE The heat detectors shown in the elevator shafts.

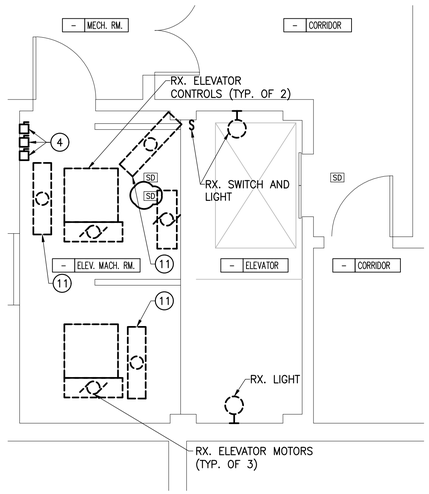
   ADD Drawing Notes 11 and 12, as indicated.

   ADD Four emergency lights in “Elev. Mach. Rm.”

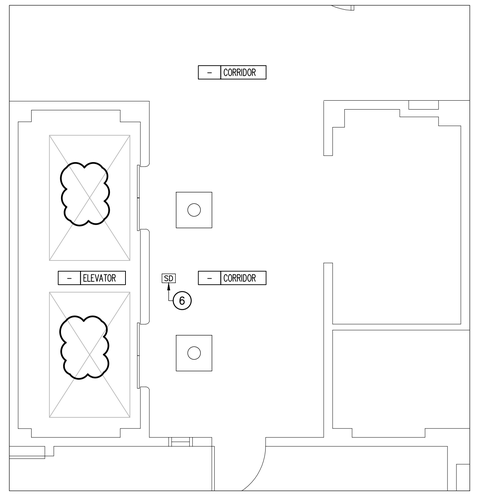
   ADD GFCI outlet in “Elev. Mach. Rm.” as indicated.

- END OF ADDENDUM #1 -

EX. ELEVATOR DISCONNECTS
SCALE: NOT TO SCALE

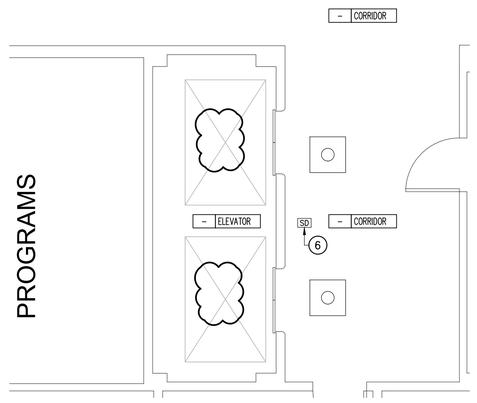


BASEMENT FLOOR – EXISTING & DEMOLITION
SCALE: 1/4" = 1'-0"



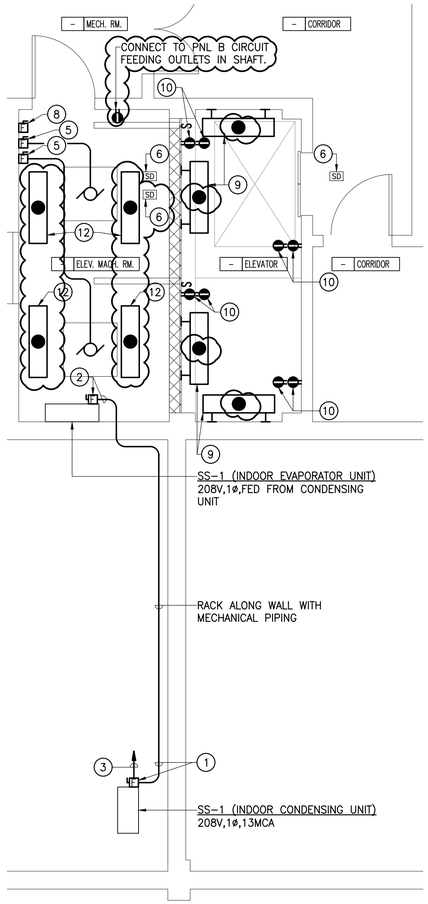
SECOND FLOOR – EXISTING
SCALE: 1/4" = 1'-0"

FIRST FLOOR – EXISTING
SCALE: 1/4" = 1'-0"



THIRD FLOOR – EXISTING
SCALE: 1/4" = 1'-0"

EX. PANEL B
SCALE: NOT TO SCALE



BASEMENT FLOOR – POWER
SCALE: 1/4" = 1'-0"

DRAWING NOTES:

1. PROVIDE 2P–30A–F/SS (FUSE AT MANUFACTURER'S NAMEPLATE DATA) IN NEMA 1 ENCLOSURE. MOUNT AT UNIT AND MAKE ALL CONNECTIONS TO ASSOCIATED EVAPORATOR UNIT.
2. PROVIDE 3P–30A–F/SS (FUSE AT MANUFACTURER'S NAMEPLATE DATA) IN NEMA 1 ENCLOSURE. MOUNT AT UNIT AND MAKE ALL CONNECTIONS TO ASSOCIATED CONDENSER UNIT
3. PROVIDE NEW 2P–15A CIRCUIT BREAKER IN AVAILABLE SPACE IN PANELBOARD B (GE). CONNECT VIA (2)#10+#10GW–3/4"C.
4. REMOVE EXISTING DISCONNECTS ASSOCIATED WITH ELEVATORS 1, 2, & 3.
5. PROVIDE 3P–200A–F/SS (FUSED AT 175A) AND MAKE CONNECTIONS TO ELEVATOR MOTORS AS REQUIRED.
6. EXISTING ELEVATOR RECALL SMOKE DETECTOR. INTERLOCK WITH ELEVATOR CONTROLLER AS RECOMMENDED BY ELEVATOR MANUFACTURER.
7. NOT USED.
8. PROVIDE 2P–30A–F/SS (FUSED AT 20A) AND MAKE CONNECTIONS TO ELEVATOR CONTROLLER AND LIGHTS. CONNECT TO NEW 1P–20A CIRCUIT IN PANELBOARD B VIA (2) #12 + #12GW – 3/4"C.
9. METALUX 4VT2.LED4.4.FR50.x.UNV.EL10W.L840.CD1.WL.SSL. PROVIDE ~~TWO AT PIT LEVEL AND TWO AT TOP OF ELEVATOR~~ SHAFT. COORDINATE EXACT LOCATION WITH ELEVATOR MANUFACTURER PRIOR TO ROUGH–IN. MODIFY CIRCUITRY TO BE AHEAD OF RECEPTACLES.
10. GFCI/WP DUPLEX (LEGRAND 2097 W/ WIUC 10–CL) RECEPTACLES SHALL BE MOUNTED 2'–6" ABOVE BOTTOM OF ELEVATOR PUT AND 2'–6" BELOW THE TOP OF THE SHAFT. CONNECT TO NEW 1P–20A CIRCUIT IN PANELBOARD B VIA (2) #12 + #12GW – 3/4"C.
11. MAINTAIN EXISTING CIRCUIT FOR CONNECTION TO NEW LIGHT FIXTURES. EXTEND/MODIFY CIRCUIT AS REQUIRED TO CONTROL NEW LIGHTING FIXTURES.
12. METALUX 4VT2.LED4.4.FR50.x.UNV.EL10W.L840.CD1.WL.SSL. CONNECT TO CIRCUIT MAINTAINED DURING DEMOLITION. WIRE FIXTURE SUCH THAT EMERGENCY BATTERY IS CONNECTED TO THE UNSWITCHED PORTION OF THE CIRCUIT.

SCALE: 1/4" = 1'-0"
4 0 4 8

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I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No. 36556
EXPIRATION DATE 06-09-2021

ELEVATOR MODERNIZATION FOR:
CARVER EDUCATIONAL SERVICES CENTER
MONTGOMERY COUNTY PUBLIC SCHOOLS
850 HUNGERFORD DRIVE
ROCKVILLE, MD 20850

CONSTRUCTION DOCUMENTS

ISSUE		
REV	DATE	DESCRIPTION
	1/7/20	ADDENDUM #1

PROJECT NO.: 18-12.07
DATE: 10-11-2019

EXISTING / DEMOLITION & PROPOSED FLOOR PLANS

E1.1