

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

TELEPHONE: (215) 400-4730

**Addendum No. 03**

**Subject:** Andrew Hamilton – Major Renovation  
SDP Contract Nos. B-128C, B129C, B130C, B-131C of 2017/18

**Location:** Andrew Hamilton  
5640 Spruce St.  
Philadelphia, Pennsylvania 19139

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**This Addendum, dated 26 of April, 2019, 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.**

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**BIDDER'S QUESTIONS**

Q: Reference phasing plan. At stair towers indicated to be renovated at each phase, please confirm stair tower can be closed to public for duration of each phase.

A: Stair tower will remain open for school use.

Q: What are the percentages of MWBE required for this project?

A: Refer to the Participation Goals in Division 0 of the specifications.

Q: Could you please provide the following information: Hollow Metal Door Spec, Aluminum Frame Spec, Missing Drawings –A200, A201 and A405. Please confirm Hollow Metal Door in an Aluminum frame? Aluminum Frame with a metal panel infill?

A: Hollow Metal Door specification section will be added by this addendum #3. Reference Aluminum Framed Entrances and Storefront section 08 4113 for specifications on Aluminum Frames. Reference Bid Documents posted by School District of Philadelphia for A200, A201 and A405. The project includes both hollow metal doors and metal panels within an aluminum frames system.

Q: Drawings call to replace existing MDP and remove safety switch tapped off the mains. Penn Panel & Box has advised me the number of breakers required will not fit in a single switchboard. They are quoting two switchboards and a splicing section. Do we have the space required for two switchboards and a splicing section?

A: This panel question will be answered by Addendum #3.

Q: Room schedule indicates existing floor and base at lobby. Drawing A-714 plan 7 indicates walk off carpet. Please clarify.

A: The existing quarry tile is to remain in place unless contractor finds through testing loose tiles, provide underlayment over tiles or patch area and provide new finish.

Q: SPEC. 321723 Pavement markings indicates Transpo Industries as basis of design or comparable product. Please provide 2 manufacturers that are comparable to Transpo and are acceptable.

A: Specification Section 321723, Part 2 Products, 2.1 Manufacturers: list provided of acceptable products to basis of design. Products must meet standards listed by the Basis of Design.

Q: What Phase will the Boiler room abatement be done and when will it be completed? Will the existing piping stay uninsulated until it's replaced with new piping?

A: Boiler room abatement & Phase was answered in Addendum #2. Please reference that question and answer. Once the abatement contractor has removed all asbestos insulation materials from the boiler room piping, HC (Mech) shall re-insulate per specification section 23 0700 for the cooling piping only. All other piping shall be left uninsulated until replaced by HC (Mech) in project scope.

Q: Specification Section 230900: Can you provide any information (manufacturer, as-builts, etc.) regarding an existing Building Automation System (if any) in the school? Can you clarify that all new controllers must be BACnet BTL certified? Can you confirm that the new BAS will reside on the school TCP/IP network? Is there any BAS work associated with the existing baseboard radiation? Is a flow meter required for the hot water system? Is a flow meter required for the dual temp system?

A: The only existing controls are a Honeywell pneumatic system that is to be removed as part of the project. Reference specification section 23 0900, paragraph 1.7 for details. All unit level controllers must be BACnet. Building level controllers can be BACnet or Lonworks. Yes, the BAS will reside on the District network. No BAS work on existing baseboard radiation. No flow meter required on hot water system. No flow meter required for dual temp system.

### CHANGES TO DRAWINGS

Drawing: E-120 BASEMENT PLAN AND ROOM TYPICALS – POWER

Revisions:

- a. Delete current “E-120 BASEMENT PLAN AND ROOM TYPICALS – POWER” sheet in its entirety and replace with new “E-120 BASEMENT PLAN AND ROOM TYPICALS – POWER” attached to this addendum. Reissued in Addendum #3.

Drawing: E-121 FIRST FLOOR PLAN – POWER

Revisions:

- b. Delete current “E-121 FIRST FLOOR PLAN – POWER” sheet in its entirety and replace with new “E-121 FIRST FLOOR PLAN – POWER” attached to this addendum. Reissued in Addendum #3.

Drawing: E-122 SECOND FLOOR PLAN – POWER

Revisions:

- a. Delete current “E-122 SECOND FLOOR PLAN – POWER” sheet in its entirety and replace with new “E-122 SECOND FLOOR PLAN – POWER” attached to this addendum. Reissued in Addendum #3.

Drawing: E-123 THIRD FLOOR PLAN – POWER

Revisions:

- a. Delete current “E-123 THIRD FLOOR PLAN – POWER” sheet in its entirety and replace with new “E-123 THIRD FLOOR PLAN – POWER” attached to this addendum. Reissued in Addendum #3.

Drawing: E-603 ELECTRICAL SURVEILLANCE CCTV ONE-LINE

Revisions:

- a. Delete current “E-603 ELECTRICAL SURVEILLANCE CCTV ONE-LINE” sheet in its entirety and replace with new “E-603 ELECTRICAL SURVEILLANCE CCTV ONE-LINE” attached to this addendum. Reissued in Addendum #3.

Drawing: E-120 BASEMENT PLAN AND ROOM TYPICALS – POWER

Revisions:

- a. Refer to BASEMENT PLAN – POWER, Delete circuit designation for B-1, and replace with PBR-38, 40, 42. Wiring shall remain the same.
- b. Refer to BASEMENT PLAN – POWER, Delete circuit designation for B-2, and replace with PBR-32, 34, 36. Wiring shall remain the same.
- c. Refer to BASEMENT PLAN – POWER, Delete circuit designation for P-4, and replace with PBR-37, 39, 41. Wiring shall remain the same.
- d. Refer to BASEMENT PLAN – POWER, Delete circuit designation for P-5, and replace with PBR-31, 33, 35. Wiring shall remain the same.

Drawing: E-600 POWER AND DATA RISER DIAGRAMS

Revisions:

- a. Refer to PANEL: MDP, Delete 100A/3P spare breakers located at circuits 6, 23, 25, 26, 27 & 28, and 20A/3P breakers located at circuits 16 (B-1), 18 (B-2), 22 (Pump 4) & 24 (Pump 5).

Drawing: E-601 PANEL SCHEDULES

Revisions:

- a. Refer to Panel: PBR, Delete breakers indicated at the following circuits, and replace with following:
  - a. Circuits 31, 33, 35 shall be 20A/3P for Pump P-5.
  - b. Circuits 37, 39, 41 shall be 20A/3P for Pump P-4.
  - c. Circuits 32, 34, 36 shall be 20A/3P for Boiler B-2.
  - d. Circuits 38, 40, 42 shall be 20A/3P for Boiler B-1.

CHANGES TO SPECIFICATIONS

Section: 28 2300 CCTV SYSTEM

Revisions:

- a. Refer to paragraph 2.2,A; add the following subparagraph:
  6. While the system shall be capable of controlling PTZ cameras in the future, the project does not include any PTZ cameras, therefore, no 3D mouse or joystick shall be provided.
  7. Audio recording of any peripherals shall not be provided in any capacity. All recording settings must be disabled as part of the set-up of the system.
- b. Refer to paragraph 2.2,H; remove this paragraph in its entirety.

Section: 08 1113 Hollow Metal Frames

Revisions:

- a. Section 08 1113 – Hollow Metal Frames, Part 1, 1.2 Summary, ADD “Hollow Metal Doors” to this section.
- b. Section 08 1113 – Hollow Metal Frames, Part 2, ADD “2.9 – Exterior Hollow Metal Doors” and the following information:

“A. Construct exterior doors and frames to comply with the standards indicated for materials, fabrication, hardware locations, hardware reinforcement, tolerances, and clearances, and as specified.

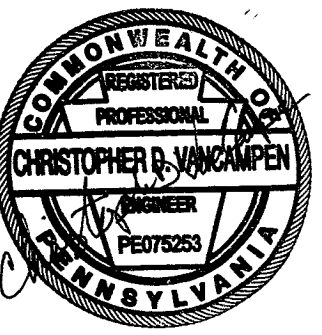
Extra-Heavy-Duty Doors and Frames: SDI A250.8, Level 3. At locations indicated in the Door and Frame Schedule.

  1. Physical Performance: Level A according to SDI A250.4.
  2. Doors:
    - a. Type: As indicated in the Door and Frame Schedule.
    - b. Thickness: 1-3/4 inches.
    - c. Face: Metallic-coated steel sheet, minimum thickness of 0.053 inch, with minimum A40 coating.

- d. Edge Construction: Model 1, Full Flush.
- e. Core: Polystyrene, Polyurethane, Polyisocyanurate, or Mineral board.
- 3. Thermal-Rated Doors: Provide doors fabricated with thermal-resistance value (R-value) of not less than 2.1 deg F x h x sq. ft./Btu when tested according to ASTM C 1363.
- 4. Frames:
  - a. Materials: Metallic-coated steel sheet, minimum thickness of 0.067 inch, with minimum A40 coating.
  - b. Construction: Full profile welded, unless noted otherwise.
  - 4. Exposed Finish: Prime.”

**End of Addendum 03**

SEAL:



Name: Christopher D. VanCampen DATE: 2/8/2008  
STATE AND LICENSE NO: PE075253

**ARCHITECT:**  
GODFREY KANE O'ROURKE ARCHITECTS, LLC  
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**100% BID SET SUBMISSION**  
March 6th, 2019

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3	4/24/2019 ADDENDUM 3	
2	4/16/2019 ADDENDUM 2	
1	3/6/2019 BID SET	
NO.	DATE	REVISION

**SCHOOL & LOCATION**  
ANDREW HAMILTON SCHOOL  
5624 SPRUCE ST., PHILADELPHIA, PA 19139

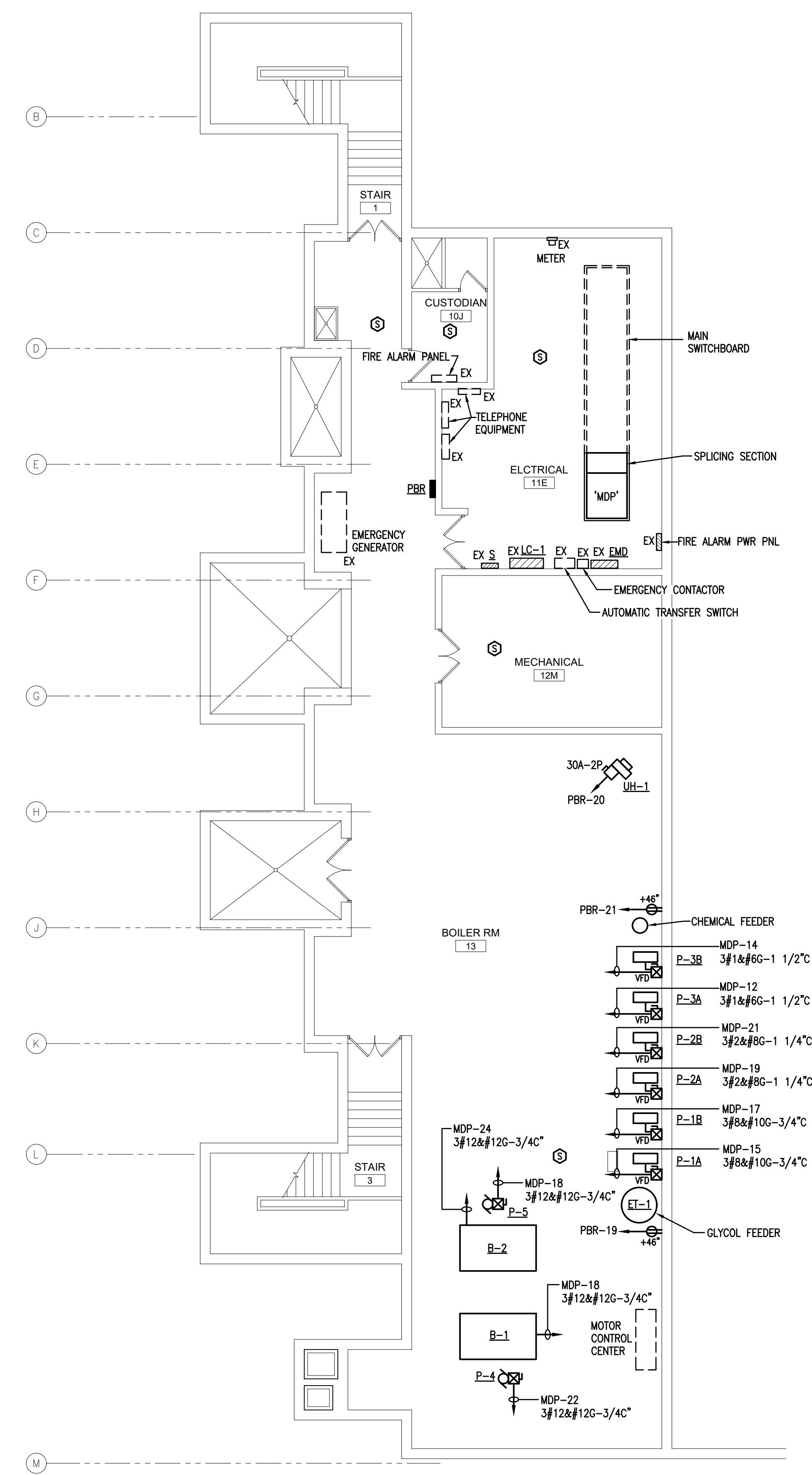
PROJECT TITLE

**ANDREW HAMILTON SCHOOL**  
MAJOR RENOVATION

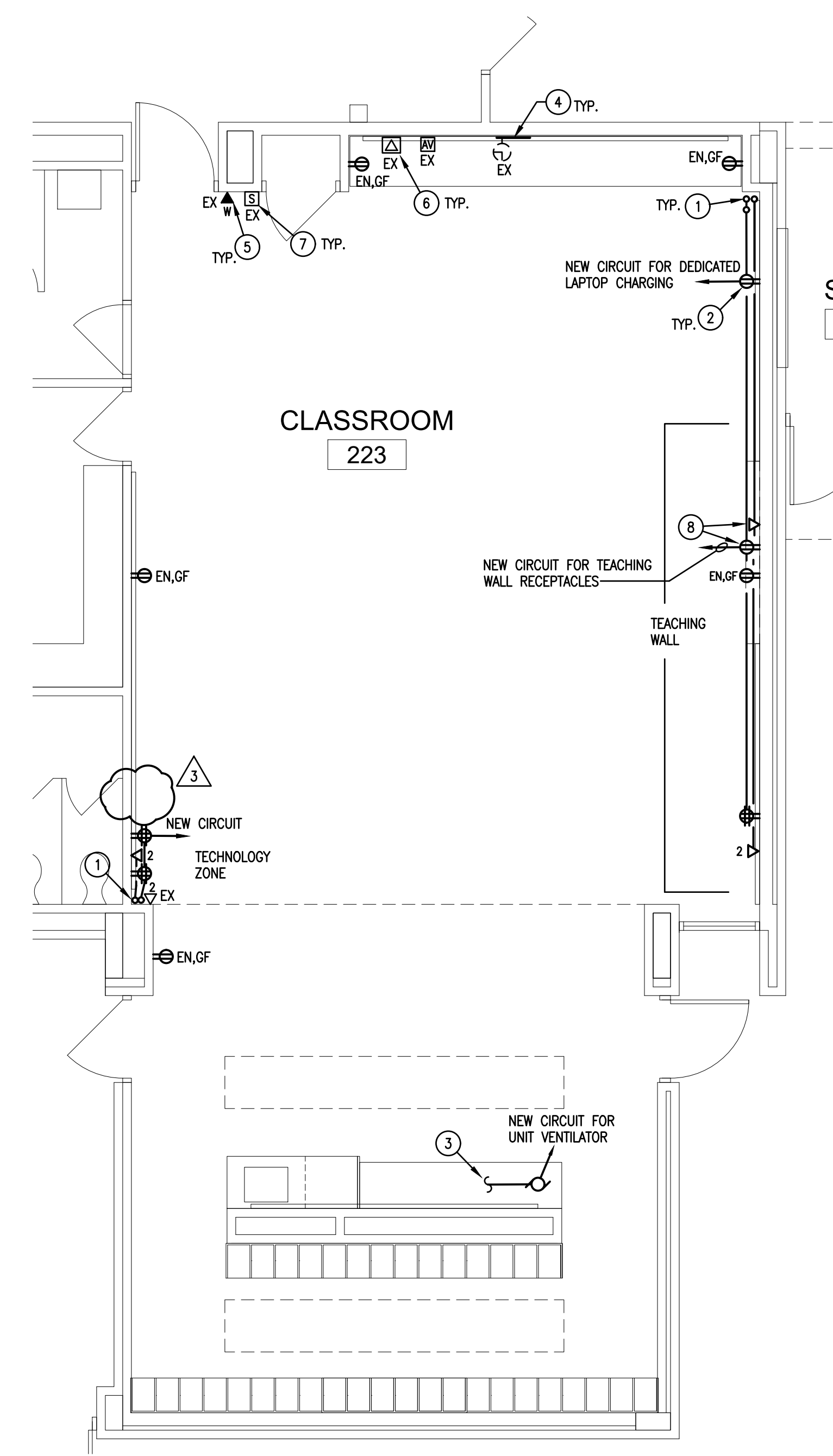
DRAWING TITLE  
**BASEMENT PLAN AND ROOM TYPICALS - POWER**

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DRAWN BY	CHECKED BY
JE	CV
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MC - B-129 C	OF 2017 / 18
PC - B-130 C	OF 2017 / 18
EC - B-131 C	OF 2017 / 18

DRAWING NO.  
**E-120**  
SHEET 78 OF 85



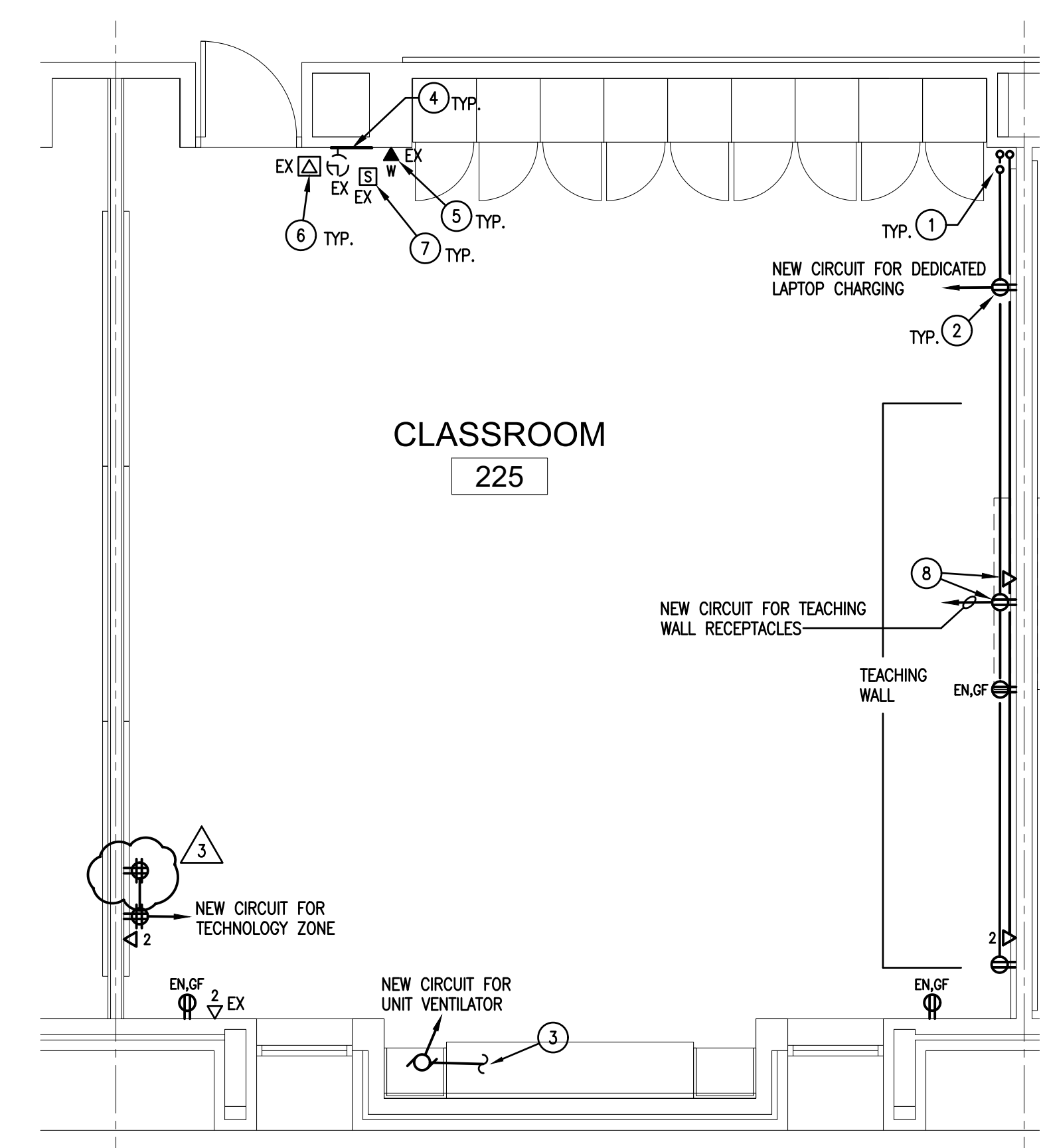
**1 BASEMENT PLAN - POWER**  
SCALE: 1/8" = 1'-0"



**3 TYPICAL KINDERGARTEN - POWER**  
SCALE: 1/4" = 1'-0"

**TYPICAL KINDERGARTEN POWER NOTES:**

- 3/4" EMT CONDUIT FROM SURFACE MOUNTED DEVICE BOX TO UNDERSIDE OF CEILING. EXTEND CONDUIT TO ABOVE ACCESSIBLE CEILING IN CORRIDOR. PAINT TO MATCH SURROUNDING SURFACES. ALL CONDUIT FITTINGS SHALL BE COMPRESSIONS TYPE. SET SCREW FITTINGS ARE NOT PERMITTED. THE (2) POWER CIRCUITS SHALL BE RUN IN THE SAME CONDUIT.
- INSTALL NEW DEVICE IN SURFACE MOUNTED BOX. BOX SHALL NOT HAVE KNOCKOUTS. PAINT TO MATCH SURROUNDING SURFACES.
- 2#10W&#100-3/4". CIRCUIT FOR UNIT VENTILATOR TO FOLLOW PIPE ROUTING ABOVE CEILING AND INTO ADJACENT SPACE. CONTINUE CIRCUIT TO SPACE ABOVE ACCESSIBLE CEILING IN CORRIDOR.
- EC TO PROVIDE STEEL PLATE OF SUFFICIENT SIZE TO COVER OPENING IN BLOCK WALL. GC TO PAINT PLATE TO MATCH SURROUNDING SURFACES. EC TO INSTALL CLOCK THAT WAS REMOVED DURING DEMOLITION PHASE ON PLATE. IF REQUIRED PROVIDE NEW CLOCK. PROVIDE NEW BATTERIES FOR CLOCK.
- CLASSROOM PHONE. GC TO PAINT ENCLOSURE TO MATCH SURROUNDING SURFACES. INSTALL HANDSET THAT WAS REMOVED DURING DEMOLITION PHASE IN WALL MOUNTED BOX. LABEL BOX WITH ROOM EXTENSION AND TEST FUNCTIONALITY. IF REQUIRED PROVIDE NEW HANDSET.
- EXISTING WIRELESS ACCESS POINT. REMAINS AS IS. DO NOT PAINT
- EXISTING PA SPEAKER. REMAINS AS IS. DO NOT PAINT.
- COORDINATE CENTER OF WALL RECEPTACLES WITH INTERACTIVE PANEL BOARD BY OWNER WITH ARCHITECT PRIOR TO MOUNTING.



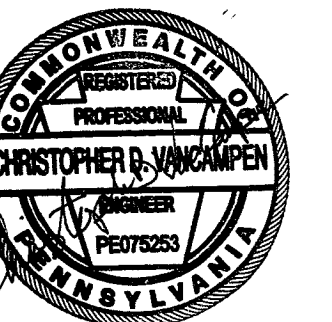
**2 TYPICAL CLASSROOM - POWER**  
SCALE: 1/4" = 1'-0"

**TYPICAL CLASSROOM POWER NOTES:**

- 3/4" EMT CONDUIT FROM SURFACE MOUNTED DEVICE BOX TO UNDERSIDE OF CEILING. EXTEND CONDUIT TO ABOVE ACCESSIBLE CEILING IN CORRIDOR. PAINT TO MATCH SURROUNDING SURFACES. ALL CONDUIT FITTINGS SHALL BE COMPRESSIONS TYPE. SET SCREW FITTINGS ARE NOT PERMITTED. THE (2) POWER CIRCUITS SHALL BE RUN IN THE SAME CONDUIT.
- INSTALL NEW DEVICE IN SURFACE MOUNTED BOX. BOX SHALL NOT HAVE KNOCKOUTS. PAINT TO MATCH SURROUNDING SURFACES.
- 2#10W&#100-3/4". CIRCUIT FOR UNIT VENTILATOR TO FOLLOW PIPE ROUTING ABOVE CEILING AND INTO ADJACENT SPACE. CONTINUE CIRCUIT TO SPACE ABOVE ACCESSIBLE CEILING IN CORRIDOR.
- EC TO PROVIDE STEEL PLATE OF SUFFICIENT SIZE TO COVER OPENING IN BLOCK WALL. GC TO PAINT PLATE TO MATCH SURROUNDING SURFACES. EC TO INSTALL CLOCK THAT WAS REMOVED DURING DEMOLITION PHASE ON PLATE. IF REQUIRED PROVIDE NEW CLOCK. PROVIDE NEW BATTERIES FOR CLOCK.
- CLASSROOM PHONE. GC TO PAINT ENCLOSURE TO MATCH SURROUNDING SURFACES. INSTALL HANDSET THAT WAS REMOVED DURING DEMOLITION PHASE IN WALL MOUNTED BOX. LABEL BOX WITH ROOM EXTENSION AND TEST FUNCTIONALITY. IF REQUIRED PROVIDE NEW HANDSET.
- EXISTING WIRELESS ACCESS POINT. REMAINS AS IS. DO NOT PAINT
- EXISTING PA SPEAKER. REMAINS AS IS. DO NOT PAINT.
- COORDINATE CENTER OF WALL RECEPTACLES WITH INTERACTIVE PANEL BOARD BY OWNER WITH ARCHITECT PRIOR TO MOUNTING.



SEAL:



Name: Christopher D. VanCampen DATE: 2/8/2018  
STATE AND LICENSE NO: PE073253

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**100% BID SET SUBMISSION**  
March 6th, 2019

NO.	DATE	REVISION
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3	4/24/2019	ADDENDUM 3
2	4/16/2019	ADDENDUM 2
1	3/6/2019	BID SET

**SCHOOL & LOCATION**

**ANDREW HAMILTON SCHOOL**  
5624 SPRUCE ST., PHILADELPHIA, PA 19139

**PROJECT TITLE**

**ANDREW HAMILTON SCHOOL MAJOR RENOVATION**

**DRAWING TITLE**

**FIRST FLOOR PLAN - POWER**

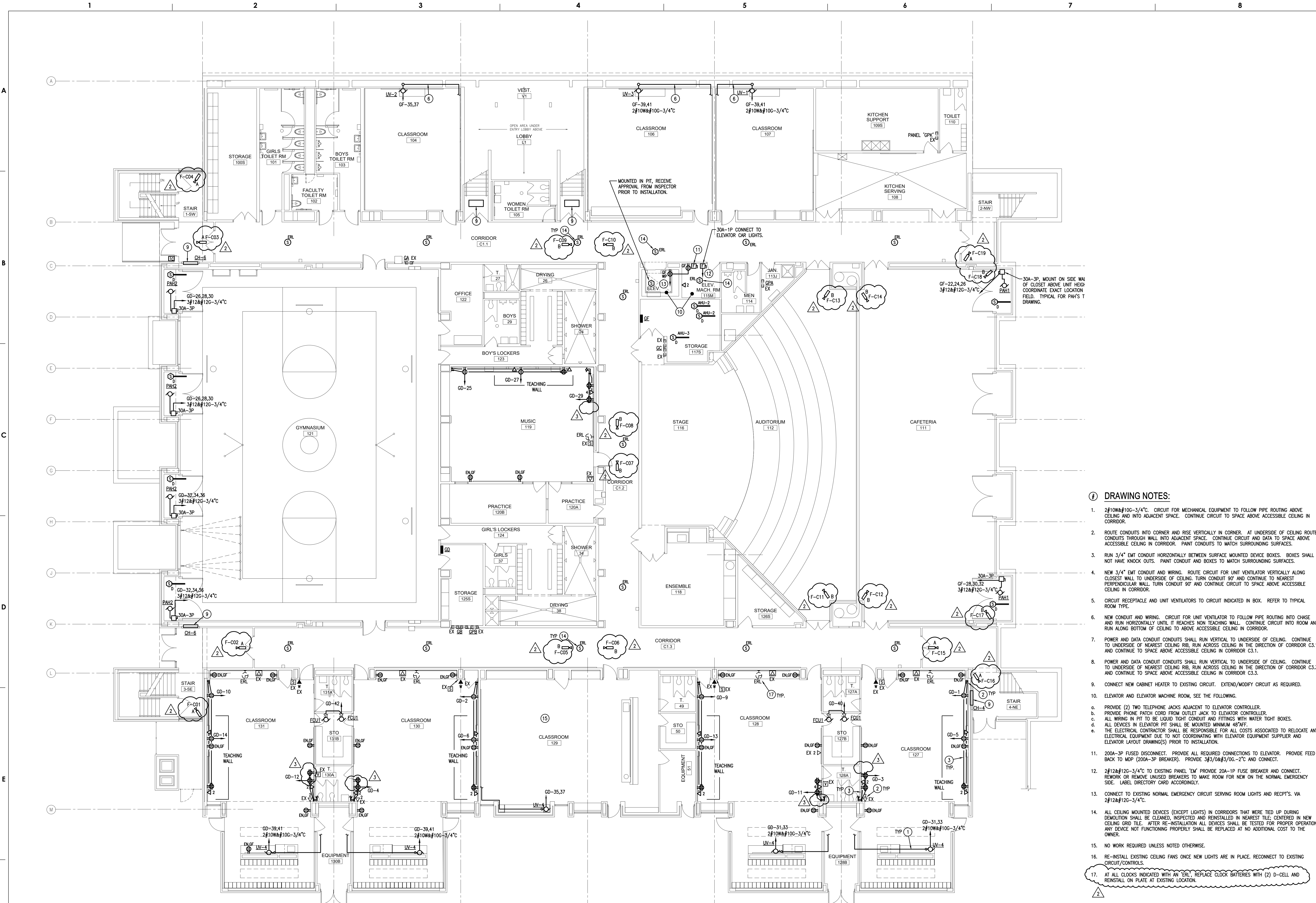
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MC - B-129 C	OF 2017 / 18
PC - B-130 C	OF 2017 / 18
EC - B-131 C	OF 2017 / 18

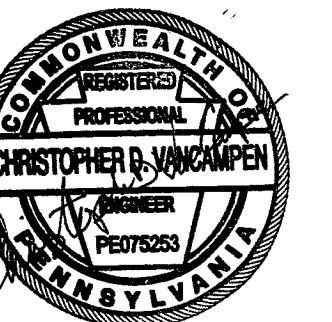
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**E-121**

SHEET 79 OF 85



SEAL:



Name: Christopher D. VanCampen DATE: 2/8/2018  
STATE AND LICENSE NO: PE075253

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**100% BID SET SUBMISSION**  
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1	3/6/2019	BID SET

**SCHOOL & LOCATION**

**ANDREW HAMILTON SCHOOL**  
5624 SPRUCE ST., PHILADELPHIA, PA 19139

**PROJECT TITLE**

**ANDREW HAMILTON SCHOOL MAJOR RENOVATION**

**DRAWING TITLE**

**SECOND FLOOR PLAN - POWER**

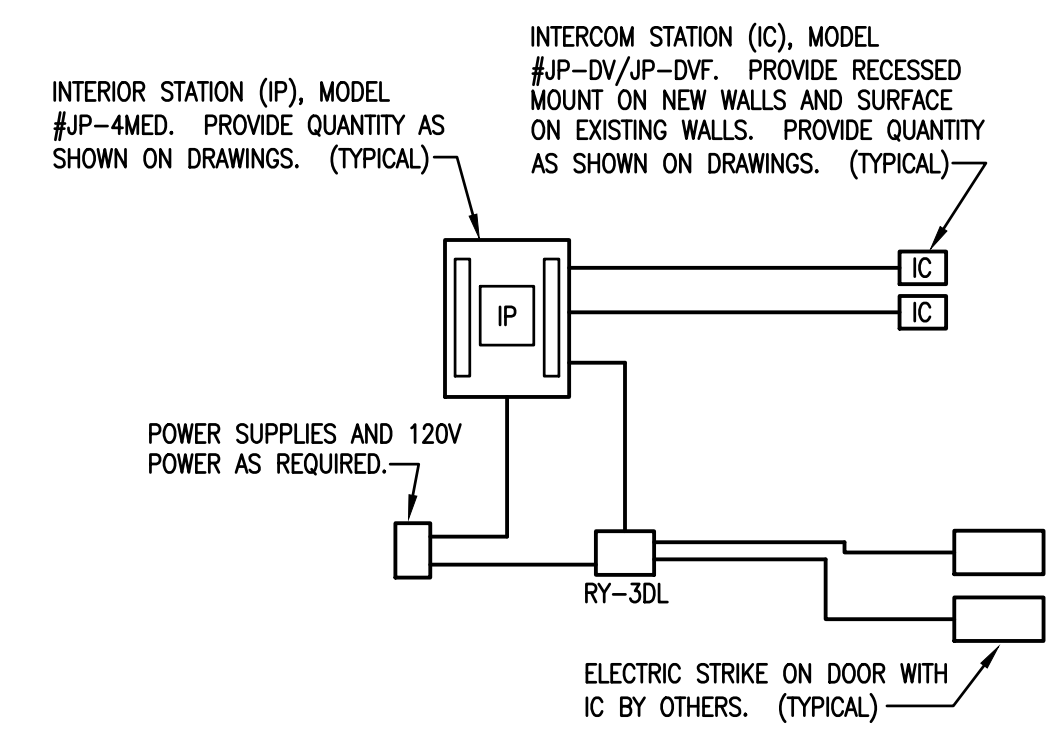
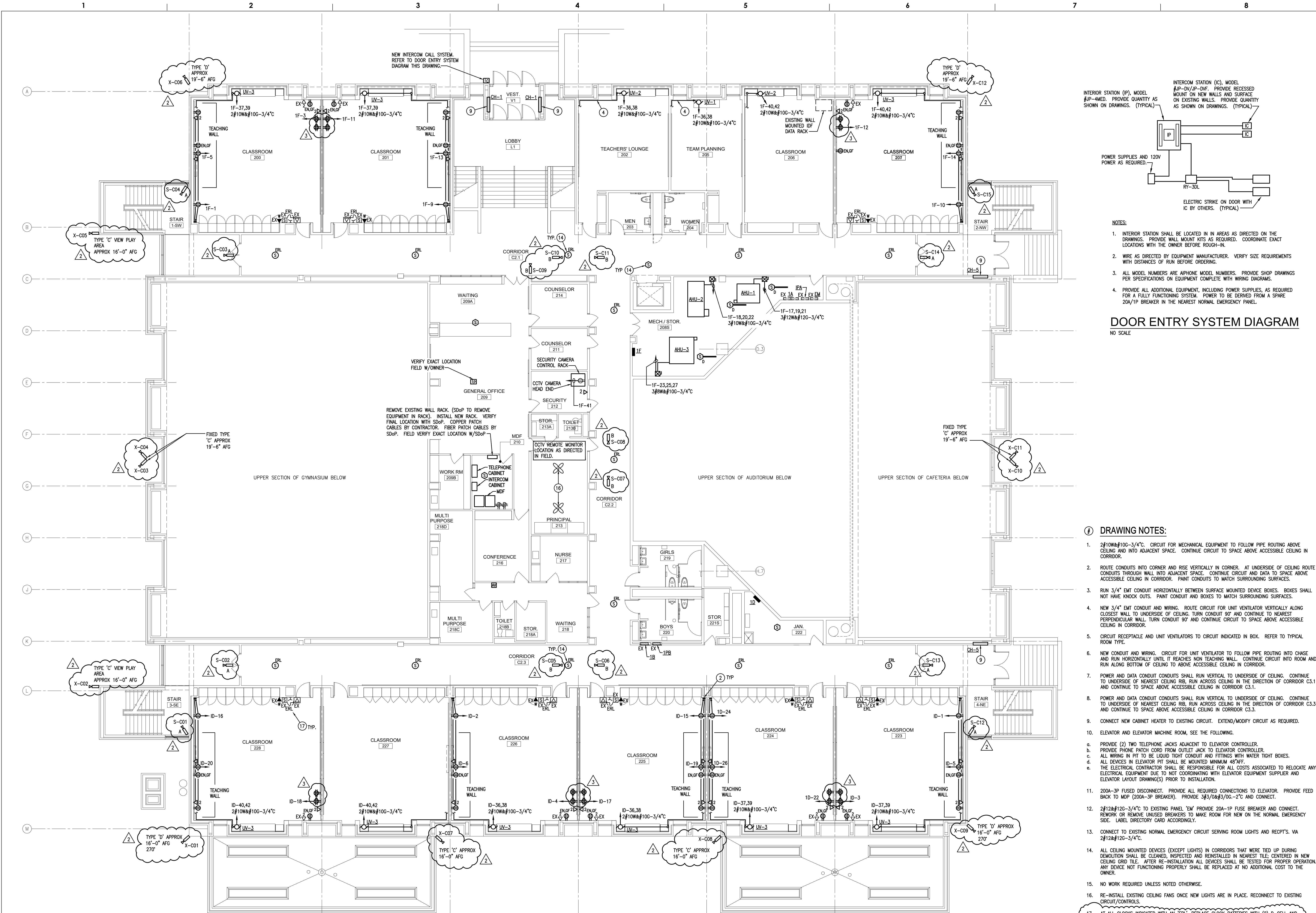
**DRAWING SCALE**

LOCATION NO. 1290	CHECKED BY CV
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MC - B-129 C	OF 2017 / 18
PC - B-130 C	OF 2017 / 18
EC - B-131 C	OF 2017 / 18

**DRAWING NO.**

**E-122**

SHEET 80 OF 85



**NOTES:**

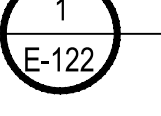
- INTERIOR STATION SHALL BE LOCATED IN AREAS AS DIRECTED ON THE DRAWINGS. PROVIDE WALL MOUNT KITS AS REQUIRED. COORDINATE EXACT LOCATIONS WITH THE OWNER BEFORE ROUGH-IN.
- WIRE AS DIRECTED BY EQUIPMENT MANUFACTURER. VERIFY SIZE REQUIREMENTS WITH DISTANCES OF RUN BEFORE ORDERING.
- ALL MODEL NUMBERS ARE APHONE MODEL NUMBERS. PROVIDE SHOP DRAWINGS PER SPECIFICATIONS ON EQUIPMENT COMPLETE WITH WIRING DIAGRAMS.
- PROVIDE ALL ADDITIONAL EQUIPMENT, INCLUDING POWER SUPPLIES, AS REQUIRED FOR A FULLY FUNCTIONING SYSTEM. POWER TO BE DERIVED FROM A SPARE 20A/1P BREAKER IN THE NEAREST NORMAL EMERGENCY PANEL.

**DOOR ENTRY SYSTEM DIAGRAM**  
NO SCALE

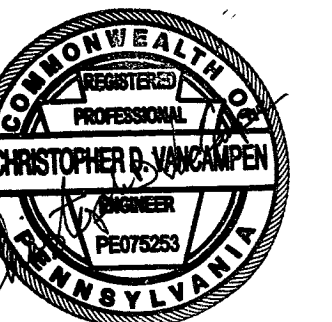
**DRAWING NOTES:**

- 2#10W#100-3/4". CIRCUIT FOR MECHANICAL EQUIPMENT TO FOLLOW PIPE ROUTING ABOVE CEILING AND INTO ADJACENT SPACE. CONTINUE CIRCUIT TO SPACE ABOVE ACCESSIBLE CEILING IN CORRIDOR.
- ROUTE CONDUITS INTO CORNER AND RISE VERTICALLY IN CORNER. AT UNDERSIDE OF CEILING ROUTE CONDUITS THROUGH WALL INTO ADJACENT SPACE. CONTINUE CIRCUIT AND DATA TO SPACE ABOVE ACCESSIBLE CEILING IN CORRIDOR. PAINT CONDUITS TO MATCH SURROUNDING SURFACES.
- RUN 3/4" EMT CONDUIT HORIZONTALLY BETWEEN SURFACE MOUNTED DEVICE BOXES. BOXES SHALL NOT HAVE KNOCK OUTS. PAINT CONDUIT AND BOXES TO MATCH SURROUNDING SURFACES.
- NEW 3/4" EMT CONDUIT AND WIRING. ROUTE CIRCUIT FOR UNIT VENTILATOR VERTICALLY ALONG CLOSEST WALL TO UNDERSIDE OF CEILING. TURN CONDUIT 90° AND CONTINUE TO NEAREST PERPENDICULAR WALL. TURN CONDUIT 90° AND CONTINUE CIRCUIT TO SPACE ABOVE ACCESSIBLE CEILING IN CORRIDOR.
- CIRCUIT RECEPTACLE AND UNIT VENTILATORS TO CIRCUIT INDICATED IN BOX. REFER TO TYPICAL ROOM TYPE.
- NEW CONDUIT AND WIRING. CIRCUIT FOR UNIT VENTILATOR TO FOLLOW PIPE ROUTING INTO CHASE AND RUN HORIZONTALLY UNTIL IT REACHES NON TEACHING WALL. CONTINUE CIRCUIT INTO ROOM AND RUN ALONG BOTTOM OF CEILING TO ABOVE ACCESSIBLE CEILING IN CORRIDOR.
- POWER AND DATA CONDUITS SHALL RUN VERTICAL TO UNDERSIDE OF CEILING. CONTINUE TO UNDERSIDE OF NEAREST CEILING RIB. RUN ACROSS CEILING IN THE DIRECTION OF CORRIDOR C3.1 AND CONTINUE TO SPACE ABOVE ACCESSIBLE CEILING IN CORRIDOR C3.1.
- POWER AND DATA CONDUITS SHALL RUN VERTICAL TO UNDERSIDE OF CEILING. CONTINUE TO UNDERSIDE OF NEAREST CEILING RIB. RUN ACROSS CEILING IN THE DIRECTION OF CORRIDOR C3.3 AND CONTINUE TO SPACE ABOVE ACCESSIBLE CEILING IN CORRIDOR C3.3.
- CONNECT NEW CABINET HEATER TO EXISTING CIRCUIT. EXTEND/MODIFY CIRCUIT AS REQUIRED.
- ELEVATOR AND ELEVATOR MACHINE ROOM, SEE THE FOLLOWING.
  - PROVIDE (2) TWO TELEPHONE JACKS ADJACENT TO ELEVATOR CONTROLLER.
  - PROVIDE PHONE PATCH CORD FROM OUTLET JACK TO ELEVATOR CONTROLLER.
  - ALL WIRING IN FIT TO BE LIQUID TIGHT CONDUIT AND FITTINGS WITH WATER TIGHT BOXES.
  - ALL DEVICES IN ELEVATOR FIT SHALL BE MOUNTED MINIMUM 48" AFF.
  - THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED TO RELOCATE ANY ELECTRICAL EQUIPMENT DUE TO NOT COORDINATING WITH ELEVATOR EQUIPMENT SUPPLIER AND ELEVATOR LAYOUT DRAWING(S) PRIOR TO INSTALLATION.
- 200A-3P FUSED DISCONNECT. PROVIDE ALL REQUIRED CONNECTIONS TO ELEVATOR. PROVIDE FEED BACK TO MDP (200A-3P BREAKER). PROVIDE 3#3/0#5/0G-2" C AND CONNECT.
- 2#12#120-3/4" TO EXISTING PANEL "EM" PROVIDE 20A-1P FUSE BREAKER AND CONNECT. REWORK OR REMOVE UNUSED BREAKERS TO MAKE ROOM FOR NEW ON THE NORMAL EMERGENCY SIDE. LABEL DIRECTORY CARD ACCORDINGLY.
- CONNECT TO EXISTING NORMAL EMERGENCY CIRCUIT SERVING ROOM LIGHTS AND RECP'TS. VA 2#12#120-3/4".
- ALL CEILING MOUNTED DEVICES (EXCEPT LIGHTS) IN CORRIDORS THAT WERE TIED UP DURING DEMOLITION SHALL BE CLEANED, INSPECTED AND REINSTALLED IN NEAREST TILE, CENTERED IN NEW CEILING GRID TILE. AFTER RE-INSTALLATION ALL DEVICES SHALL BE TESTED FOR PROPER OPERATION. ANY DEVICE NOT FUNCTIONING PROPERLY SHALL BE REPLACED AT NO ADDITIONAL COST TO THE OWNER.
- NO WORK REQUIRED UNLESS NOTED OTHERWISE.
- RE-INSTALL EXISTING CEILING FANS ONCE NEW LIGHTS ARE IN PLACE. RECONNECT TO EXISTING CIRCUIT/CONTROLS.
- AT ALL CLOCKS INDICATED WITH AN "ERL", REPLACE CLOCK BATTERIES WITH (2) D-CELL AND REINSTALL ON PLATE AT EXISTING LOCATION.

**1 SECOND FLOOR PLAN - POWER**  
SCALE: 1/8" = 1'-0"



SEAL:



Name: Christopher D. VarCampen DATE: 2/8/2008  
STATE AND LICENSE NO: PE073253

**ARCHITECT:**  
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**CIVIL ENGINEERING:**  
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Email: JMEDENDORP@PENNONI.COM  
Attn: JOHN MEDENDORP IV

**100% BID SET SUBMISSION**  
March 6th, 2019

NO.	DATE	REVISION
10		
9		
8		
7		
6		
5		
4		
3	4/24/2019	ADDENDUM 3
2	4/16/2019	ADDENDUM 2
1	3/6/2019	BID SET

**SCHOOL & LOCATION**

**ANDREW HAMILTON SCHOOL**  
5624 SPRUCE ST., PHILADELPHIA, PA 19139

**PROJECT TITLE**

**ANDREW HAMILTON SCHOOL MAJOR RENOVATION**

**DRAWING TITLE**

**THIRD FLOOR PLAN - POWER**

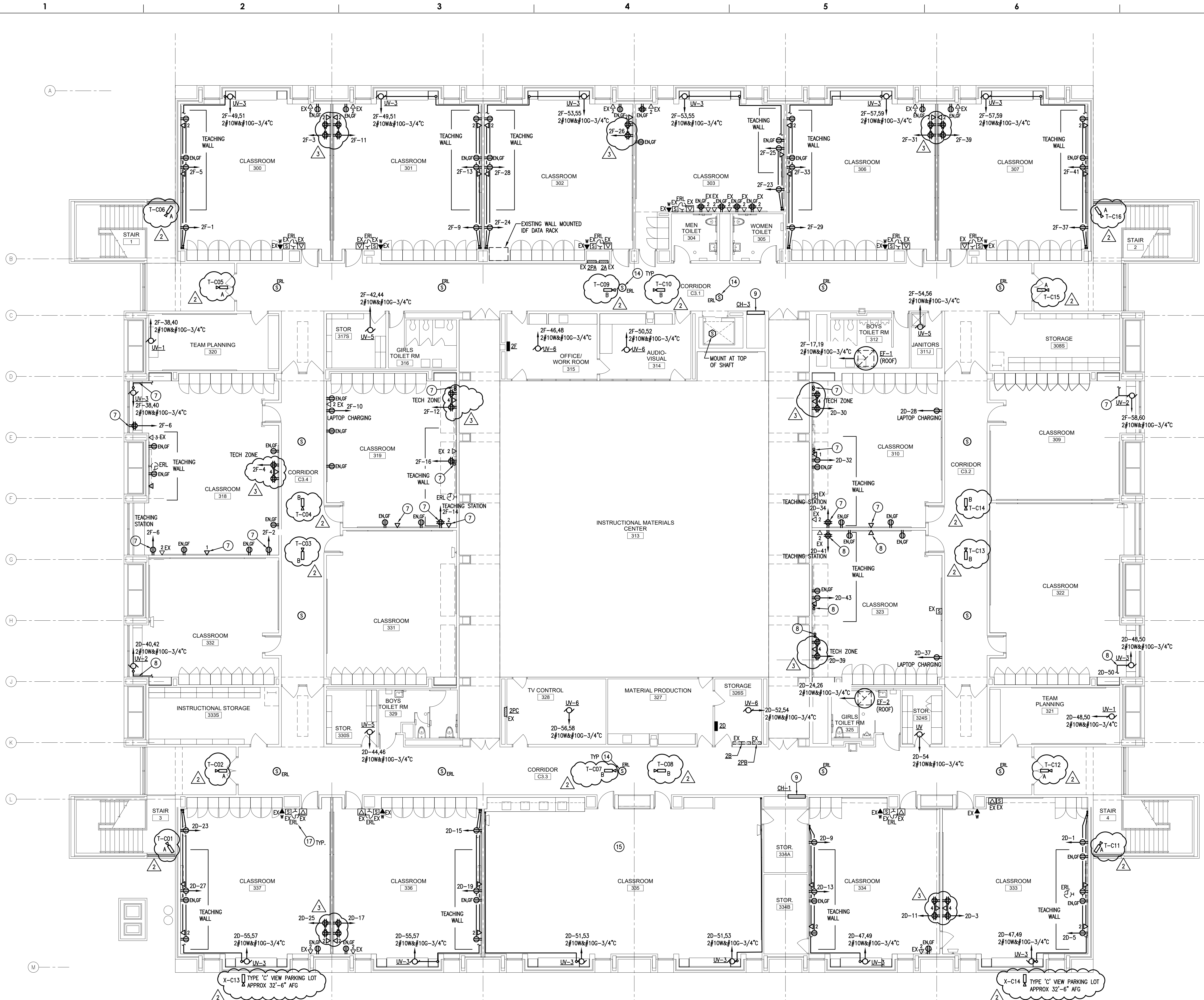
**DRAWING SCALE**

LOCATION NO. 1290	CHECKED BY CV
DRAWN BY JE	CHECKED BY CV
GC - B-128 C	OF 2017 / 18
MC - B-129 C	OF 2017 / 18
PC - B-130 C	OF 2017 / 18
EC - B-131 C	OF 2017 / 18

**DRAWING NO.**

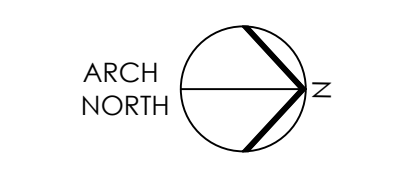
**E-123**

SHEET 81 OF 85



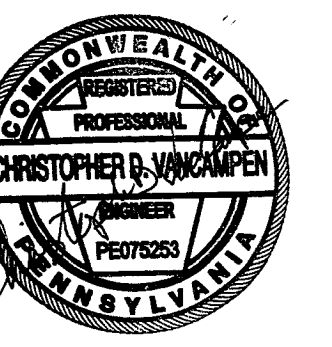
- DRAWING NOTES:**
- 2#10W&#10G-3/4" CIRCUIT FOR MECHANICAL EQUIPMENT TO FOLLOW PIPE ROUTING ABOVE CEILING AND INTO ADJACENT SPACE. CONTINUE CIRCUIT TO SPACE ABOVE ACCESSIBLE CEILING IN CORRIDOR.
  - ROUTE CONDUITS INTO CORNER AND RISE VERTICALLY IN CORNER. AT UNDERSIDE OF CEILING RUN CONDUITS THROUGH WALL INTO ADJACENT SPACE. CONTINUE CIRCUIT INTO ROOM AND RUN ALONG BOTTOM OF CEILING TO SPACE ABOVE ACCESSIBLE CEILING IN CORRIDOR. PAINT CONDUITS TO MATCH SURROUNDING SURFACES.
  - RUN 3/4" EMT CONDUIT HORIZONTALLY BETWEEN SURFACE MOUNTED DEVICE BOXES. BOXES SHALL NOT HAVE KNOCK OUTS. PAINT CONDUIT AND BOXES TO MATCH SURROUNDING SURFACES.
  - NEW 3/4" EMT CONDUIT AND WIRING. ROUTE CIRCUIT FOR UNIT VENTILATOR VERTICALLY ALONG CLOSEST WALL TO UNDERSIDE OF CEILING. TURN CONDUIT 90° AND CONTINUE TO NEAREST PERPENDICULAR WALL. TURN CONDUIT 90° AND CONTINUE CIRCUIT TO SPACE ABOVE ACCESSIBLE CEILING IN CORRIDOR.
  - CIRCUIT RECEPTACLE AND UNIT VENTILATORS TO CIRCUIT INDICATED IN BOX. REFER TO TYPICAL ROOM TYPE.
  - NEW CONDUIT AND WIRING. CIRCUIT FOR UNIT VENTILATOR TO FOLLOW PIPE ROUTING INTO CHASE AND RUN HORIZONTALLY UNTIL IT REACHES NON TEACHING WALL. CONTINUE CIRCUIT INTO ROOM AND RUN ALONG BOTTOM OF CEILING TO SPACE ABOVE ACCESSIBLE CEILING IN CORRIDOR.
  - POWER AND DATA CONDUIT CONDUITS SHALL RUN VERTICAL TO UNDERSIDE OF CEILING. CONTINUE TO UNDERSIDE OF NEAREST CEILING RIB. RUN ACROSS CEILING IN THE DIRECTION OF CORRIDOR C3.1 AND CONTINUE TO SPACE ABOVE ACCESSIBLE CEILING IN CORRIDOR C3.1.
  - POWER AND DATA CONDUIT CONDUITS SHALL RUN VERTICAL TO UNDERSIDE OF CEILING. CONTINUE TO UNDERSIDE OF NEAREST CEILING RIB. RUN ACROSS CEILING IN THE DIRECTION OF CORRIDOR C3.3 AND CONTINUE TO SPACE ABOVE ACCESSIBLE CEILING IN CORRIDOR C3.3.
  - CONNECT NEW CABINET HEATER TO EXISTING CIRCUIT. EXTEND/MODIFY CIRCUIT AS REQUIRED.
  - ELEVATOR AND ELEVATOR MACHINE ROOM. SEE THE FOLLOWING.
    - PROVIDE (2) TWO TELEPHONE JACKS ADJACENT TO ELEVATOR CONTROLLER.
    - PROVIDE PHONE PATCH GRID FROM OUTLET JACK TO ELEVATOR CONTROLLER.
    - ALL WIRING IN FIT TO BE LIQUID TIGHT CONDUIT AND FITTINGS WITH WATER TIGHT BOXES.
    - ALL DEVICES IN ELEVATOR PIT SHALL BE MOUNTED MINIMUM 48" AFF.
    - THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED TO RELOCATE ANY ELECTRICAL EQUIPMENT DUE TO NOT COORDINATING WITH ELEVATOR EQUIPMENT SUPPLIER AND ELEVATOR LAYOUT DRAWING(S) PRIOR TO INSTALLATION.
  - 200A-3P FUSED DISCONNECT. PROVIDE ALL REQUIRED CONNECTIONS TO ELEVATOR. PROVIDE FEED BACK TO MDP (200A-3P BREAKER). PROVIDE 3#3/0#3/0#2-2" AND CONNECT.
  - 2#12#12G-3/4" TO EXISTING PANEL 'EM' PROVIDE 20A-1P FUSE BREAKER AND CONNECT. REWORK OR REMOVE UNUSED BREAKERS TO MAKE ROOM FOR NEW ON THE NORMAL EMERGENCY SIDE. LABEL DIRECTORY CARD ACCORDINGLY.
  - CONNECT TO EXISTING NORMAL EMERGENCY CIRCUIT SERVING ROOM LIGHTS AND RECP'TS. VA 2#12#12G-3/4".
  - NO WORK REQUIRED UNLESS NOTED OTHERWISE.
  - RE-INSTALL EXISTING CEILING FANS ONCE NEW LIGHTS ARE IN PLACE. RECONNECT TO EXISTING CIRCUIT/CONTROLS.
  - AT ALL CLOCKS INDICATED WITH AN 'ERL' REPLACE CLOCK BATTERIES WITH (2) D-CELL AND REINSTALL ON PLATE AT EXISTING LOCATION.

**1 THIRD FLOOR PLAN - POWER**  
SCALE: 1/8" = 1'-0"





SEAL:



Name: Christopher D. VanCampen DATE: 2/8/2008  
STATE AND LICENSE NO: PE079253

**ARCHITECT:**  
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**100% BID SET SUBMISSION**  
March 6th, 2019

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SCHOOL & LOCATION  
**ANDREW HAMILTON SCHOOL**  
5624 SPRUCE ST., PHILADELPHIA, PA 19139

PROJECT TITLE  
**ANDREW HAMILTON SCHOOL MAJOR RENOVATION**

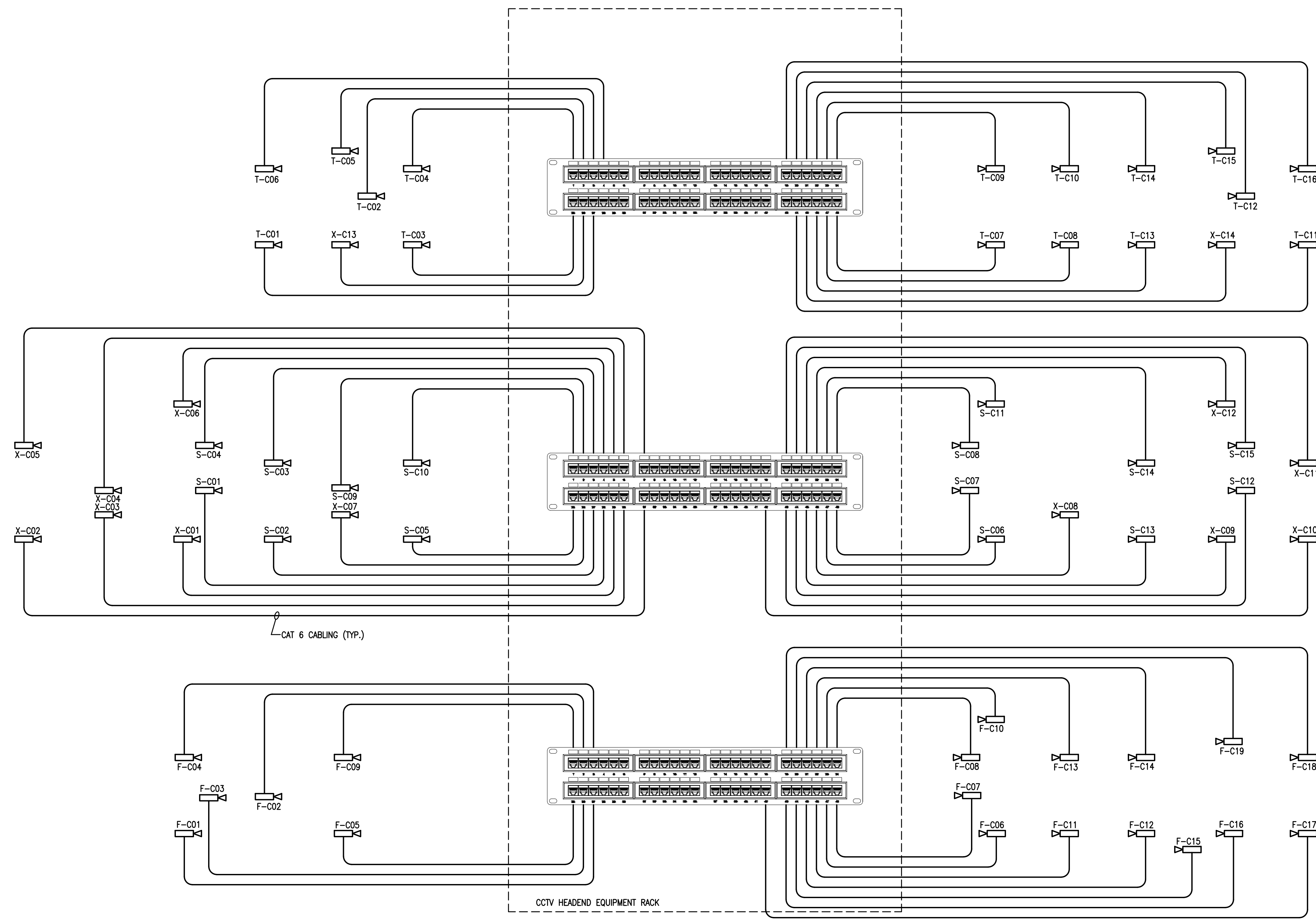
DRAWING TITLE  
**ELECTRICAL SURVEILLANCE CCTV ONE-LINE**

DRAWING SCALE	
LOCATION NO. 1290	
DRAWN BY JE	CHECKED BY CV
GC - B-128 C	OF 2017 / 18
MC - B-129 C	OF 2017 / 18
PC - B-130 C	OF 2017 / 18
EC - B-131 C	OF 2017 / 18

DRAWING NO.  
**E-603**  
SHEET 81 OF 85

**VIDEO SURVEILLANCE CAMERA SCHEDULE - ANDREW HAMILTON**

TAG	TYPE	HOUSING	MOUNTING	FOCUS/AIM	DESCRIPTION	COMMENTS
F-C01	STD.	INTERIOR	INSIDE CORNER	STAIR SE UP/DOWN	2 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
F-C02	STD.	INTERIOR	CEILING	ENTRANCE DOOR SOUTH IN EAST CORRIDOR	2 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
F-C03	STD.	INTERIOR	CEILING	ENTRANCE DOOR SOUTH IN WEST CORRIDOR	2 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
F-C04	STD.	INTERIOR	INSIDE CORNER	STAIR SW UP/DOWN	2 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
F-C05	STD.	INTERIOR	CEILING	EAST CORRIDOR FACING NORTH	5 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
F-C06	STD.	INTERIOR	CEILING	EAST CORRIDOR FACING SOUTH	5 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
F-C07	STD.	INTERIOR	CEILING	EAST/WEST CENTER CORRIDOR FACING WEST	5 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
F-C08	STD.	INTERIOR	CEILING	EAST/WEST CENTER CORRIDOR FACING EAST	5 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
F-C09	STD.	INTERIOR	CEILING	WEST CORRIDOR FACING NORTH	5 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
F-C10	STD.	INTERIOR	CEILING	WEST CORRIDOR FACING SOUTH	5 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
F-C11	STD.	INTERIOR	OUTSIDE CORNER	AUDITORIUM NORTH/EAST CORNER	5 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
F-C12	STD.	INTERIOR	OUTSIDE CORNER	CAFETERIA SOUTH/EAST CORNER	5 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
F-C13	STD.	INTERIOR	OUTSIDE CORNER	AUDITORIUM NORTH/WEST CORNER	5 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
F-C14	STD.	INTERIOR	OUTSIDE CORNER	AUDITORIUM SOUTH/WEST CORNER	5 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
F-C15	STD.	INTERIOR	CEILING	EAST CORRIDOR FACING NORTH	2 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
F-C16	STD.	INTERIOR	INSIDE CORNER	STAIR NE UP/DOWN	2 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
F-C17	STD.	INTERIOR	INSIDE CORNER	CAFETERIA NORTH/EAST CORNER	5 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
F-C18	STD.	INTERIOR	INSIDE CORNER	CAFETERIA NORTH/WEST CORNER	5 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
F-C19	STD.	INTERIOR	INSIDE CORNER	STAIR NW	2 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
S-C01	STD.	INTERIOR	INSIDE CORNER	STAIR SE UP/DOWN	2 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
S-C02	STD.	INTERIOR	CEILING	EAST CORRIDOR FACING SOUTH	2 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
S-C03	STD.	INTERIOR	CEILING	WEST CORRIDOR FACING SOUTH	2 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
S-C04	STD.	INTERIOR	INSIDE CORNER	STAIR SW UP/DOWN	2 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
S-C05	STD.	INTERIOR	CEILING	EAST CORRIDOR FACING NORTH	5 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
S-C06	STD.	INTERIOR	CEILING	EAST CORRIDOR FACING SOUTH	5 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
S-C07	STD.	INTERIOR	CEILING	CENTER CORRIDOR FACING WEST	5 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
S-C08	STD.	INTERIOR	CEILING	CENTER CORRIDOR FACING EAST	5 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
S-C09	STD.	INTERIOR	CEILING	WEST CORRIDOR FACING LOBBY	5 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
S-C10	STD.	INTERIOR	CEILING	WEST CORRIDOR FACING NORTH	5 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
S-C11	STD.	INTERIOR	CEILING	WEST CORRIDOR FACING SOUTH	5 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
S-C12	STD.	INTERIOR	INSIDE CORNER	STAIR NE UP/DOWN	2 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
S-C13	STD.	INTERIOR	CEILING	EAST CORRIDOR FACING NORTH	2 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
S-C14	STD.	INTERIOR	CEILING	WEST CORRIDOR NORTH	2 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
S-C15	STD.	INTERIOR	INSIDE CORNER	STAIR NW UP/DOWN	2 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
X-C01	270	EXTERIOR	OUTSIDE CORNER	SOUTH EAST	12 MEGAPIXEL NETWORK CAMERA	VANDAL DOME
X-C02	STD.	EXTERIOR	BLDG.	SOUTH SIDE	5 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
X-C03	STD.	EXTERIOR	BLDG.	SOUTH SIDE	5 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
X-C04	STD.	EXTERIOR	BLDG.	SOUTH SIDE	5 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
X-C05	STD.	EXTERIOR	BLDG.	SOUTH SIDE	5 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
X-C06	270	EXTERIOR	OUTSIDE CORNER	SOUTH WEST	12 MEGAPIXEL NETWORK CAMERA	VANDAL DOME
X-C07	STD.	EXTERIOR	BLDG.	EAST SIDE	5 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
X-C08	STD.	EXTERIOR	BLDG.	EAST SIDE	5 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
X-C09	270	EXTERIOR	OUTSIDE CORNER	NORTH SIDE	12 MEGAPIXEL NETWORK CAMERA	VANDAL DOME
X-C10	STD.	EXTERIOR	BLDG.	NORTH SIDE	5 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
X-C11	STD.	EXTERIOR	BLDG.	NORTH SIDE	5 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
X-C12	270	EXTERIOR	OUTSIDE CORNER	NORTH WEST	12 MEGAPIXEL NETWORK CAMERA	VANDAL DOME
T-C01	STD.	INTERIOR	INSIDE CORNER	STAIR SOUTH EAST	2 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
T-C02	STD.	INTERIOR	CEILING	EAST CORRIDOR FACING SOUTH	2 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
T-C03	STD.	INTERIOR	CEILING	SOUTH CENTER CORRIDOR FACING WEST	5 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
T-C04	STD.	INTERIOR	CEILING	SOUTH CENTER CORRIDOR FACING EAST	5 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
T-C05	STD.	INTERIOR	CEILING	WEST CORRIDOR FACING SOUTH	2 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
T-C06	STD.	INTERIOR	INSIDE CORNER	STAIR SOUTH WEST	2 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
T-C07	STD.	INTERIOR	CEILING	EAST CORRIDOR FACING NORTH	5 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
T-C08	STD.	INTERIOR	CEILING	EAST CORRIDOR FACING SOUTH	5 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
T-C09	STD.	INTERIOR	CEILING	WEST CORRIDOR FACING NORTH	5 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
T-C10	STD.	INTERIOR	CEILING	WEST CORRIDOR FACING SOUTH	5 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
T-C11	STD.	INTERIOR	INSIDE CORNER	STAIR NORTH EAST	2 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
T-C12	STD.	INTERIOR	CEILING	EAST CORRIDOR FACING NORTH	2 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
T-C13	STD.	INTERIOR	CEILING	NORTH CENTER CORRIDOR FACING WEST	5 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
T-C14	STD.	INTERIOR	CEILING	NORTH CENTER CORRIDOR FACING EAST	5 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
T-C15	STD.	INTERIOR	CEILING	WEST CORRIDOR FACING NORTH	2 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
T-C16	STD.	INTERIOR	INSIDE CORNER	STAIR NORTH WEST	2 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
X-C13	STD.	EXTERIOR	BLDG.	EAST SIDE	5 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME
X-C14	STD.	EXTERIOR	BLDG.	EAST SIDE	5 MEGAPIXEL NETWORK CAMERA, FIXED	VANDAL DOME



**1**  
**E-603**  
**CCTV ONE-LINE DIAGRAM**  
SCALE: NONE

