

# ADDENDUM 2

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**Gouverneur Central School District**  
**Reconstruction**  
**Senior High School**  
**SED Control No. 51-11-01-06-0-007-011**

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THIS ADDENDUM IS ISSUED INDICATING CHANGES TO THE ORIGINAL PROJECT MANUAL AND DRAWINGS DATED FEBRUARY 1, 2019. ALL CHANGES SHALL BE INCORPORATED INTO THE CONTRACTOR'S PROPOSAL AS DESCRIBED HEREIN. THIS ADDENDUM SHALL BE CONSIDERED ONE OF THE CONTRACT DOCUMENTS WHEN AN AWARD IS MADE. ACKNOWLEDGMENT OF RECEIPT OF THIS ADDENDUM IS REQUIRED ON THE RESPECTIVE PROPOSAL.

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**Owner:**

Gouverneur Central School District  
133 East Barney Street  
Gouverneur, NY 13642

**Architect:**

MARCH Associates  
258 Genesee Street, Suite 300  
Utica, NY 13502

**Construction Manager:**

Construction Associates  
2731 Brundage Road  
Baldwinsville NY 13027

**Landscape Architect:**

Appel Osborne  
102 W. Division Street, Suite 100  
Syracuse, NY 13204

**Structural Engineer:**

IE Solutions  
1721 Black River Blvd., Suite L-1  
Rome, NY 13440

**M/E/P Engineers:**

FS Engineering  
721 East Genesee Street  
Syracuse, NY 13210

MARCH No. 1537

**March 8, 2019**

**ADD-2**

The following changes, additions, and deletions shall be incorporated into the Project Manual and Drawings.

**REFER TO THE SPECIFICATIONS:**

ITEM 1. DOCUMENT 00 41 10, BID FORM - PLUMBING CONSTRUCTION

- A. **DELETE** this Bid Form in its entirety and **REPLACE** with revised Plumbing Construction Bid Form attached.

ITEM 2. DOCUMENT 00 41 30, BID FORM - ELECTRICAL CONSTRUCTION

- A. Page 00 41 30/2. Refer to Unit Prices. **CHANGE** Unit Price E-2 Description **FROM:** "150 ft. Cat 6 Cable" **TO READ:** "250 ft. Cat 6 Cable"

ITEM 3. SECTION 01 11 00, SUMMARY OF WORK

- A. Page 01 11 00/1. **REVISE** Subparagraphs 1.03.A.2.a - q as follows:

- a. Bid Opening ..... 03/15/19
  - b. Award on or about..... 03/25/19 ±
  - c. Mobilize..... 04/01/19 – 04/05/19
  - d. Asbestos Removal Rear Wing 2019:
    - 1) First Floor ..... 04/08/19 – 04/19/19
    - 2) Second Floor ..... 04/19/19 – 05/10/19
    - 3) Third Floor ..... 05/10/19 – 05/24/19
  - e. Roofing Capital Outlay Project ..... 04/01/19 – 05/01/19
  - f. Demo Rear Wing:
    - 1) First Floor ..... 05/10/19 – 05/24/19
    - 2) Second Floor ..... 05/24/19 – 06/07/19
    - 3) Third Floor ..... 06/07/19 – 06/21/19
  - g. Selective Demo 1916 Building ..... 05/05/19 – 05/17/19
  - h. Asbestos Removal 1916 Building:
    - 1) First Floor ..... 05/24/19 – 06/14/19
    - 2) Second Floor ..... 05/24/19 – 06/14/19
    - 3) Third Floor ..... 05/24/19 – 06/14/19
  - i. Demo 1916 Building:
    - 1) Complete Building Demo to Ground (all floors)..... 06/14/19 – 07/15/19
  - j. Finishes Rear Wing through Substantial Completion:
    - 1) First Floor ..... 06/10/19 – 12/27/19
    - 2) Second Floor ..... 06/10/19 – 12/27/19
    - 3) Third Floor ..... 06/14/19 – 12/27/19
  - k. Exterior Sitework\* ..... 05/17/19 – 11/16/19
- \* Exterior Sitework to be coordinated with the County Fair
- l. New Addition through Substantial Completion:
    - 1) All Floors ..... 07/13/19 – 12/17/19
  - m. Asbestos Removal:
    - 1) Tile Floor Back Gym Area..... 07/01/19 – 07/20/19
    - 2) Cafeteria Plumbing ..... 07/01/19 – 07/20/19

- n. Window Replacement
  - 1) Media Center/Library & HS..... 07/01/19 – 08/31/19
- o. Fire Alarm System..... 07/01/19 – 08/31/19
- p. Project Substantially Completed..... 12/27/19
- q. All Project Closeout Documents Submitted ..... no later than 01/30/20 ”

ITEM 2. SECTION 01 23 00, ALTERNATES

- A. Page 01 23 00/1. Refer to Paragraph 1.05.B. After the words “and masonry infills and louver” **ADD** the following: “; and floor drain, vent pipe, and condensate line for mechanical equipment as shown on Drawing P102.”
- B. Page 01 23 00/3. **REVISE** Paragraph 1.05.P as follows:  
 “P. ALTERNATE NO. 16: MECHANICAL REMOVALS  
  
 Each Bidder shall state the amount to be **ADDED** to the Base Bid if removals work shown on Drawing MD103 is not performed in Classrooms 204, 205, 209, and 210, and all work shown on Drawing M103 is **not** performed in Classrooms 204, 205, 209 and 210.”

ITEM 3. SECTION 03 30 00, CAST IN PLACE CONCRETE

- A. Page 03 30 00/7. **ADD** new Subparagraph 2.08.D.d as follows:  
 “d. Inteplast Group; Inteplast Barrier-Bac VB-350 (16 mil) Vapor Barrier:  
[www.BarrierBac.com](http://www.BarrierBac.com).”

ITEM 4. SECTION 22 05 33, HEAT TRACING FOR PLUMBING PIPING

- A. **ADD** new Section 22 05 33, Heat Tracing for Plumbing Piping, attached.

ITEM 5. SECTION 22 95 00, ABOVE GROUND STORAGE TANK REMOVAL

- A. **ADD** new Section 22 95 00, Above Ground Storage Tank Removal, attached.

ITEM 6. SECTION 26 56 00, EXTERIOR LIGHTING

- A. Article 2.7 A: **ADD** Subparagraph 5 as follows:  
 “5. Type EAR  
 a) Description: Provide fixture similar to Type EA except mount to existing pole. Disconnect and remove existing light fixture at existing pole, replace existing wiring as called for in the Contract Documents, and provide and adapt existing pole with mounting holes for replacement fixture. Seal previously unused holes/openings. Provide additional conduit, wire, and stainless-steel hardware as required to mount fixture, extend circuiting, and connect to replacement fixture.”

ITEM 7. SECTION 28 31 20, FIRE-ALARM SYSTEM

- A. **DELETE** Paragraph 2.1 A and **REPLACE** with the following:  
 “A. Product: Provide fire-alarm system by Honeywell/Silent Knight. No substitutions, no equals.”

**REFER TO THE DRAWINGS:**

- ITEM 1. DRAWING AR103, FIRST FLOOR ASBETOS REMOVAL PLAN - AREA B
- A. **REVISE** this drawing as shown in attached Sketch AD-AR1.
- ITEM 2. DRAWING P102, FIRE FLOOR PLAN – EAST
- A. **ADD** heat trace to 4" storm OST and ST piping under canopy exterior to Vestibule B100.
- ITEM 3. DRAWING E010, SITE PLAN
- A. **DELETE** Drawing E010 and **REPLACE** with Drawing E010, Revision 1 attached.
- ITEM 4. DRAWING ED101, PARTIAL BASEMENT REMOVALS PLAN
- A. Detail 2/ED101, "Partial Basement Removals Plan – East." **REVISE** label for existing Panel "PP-2" as indicated on attached Sketch AD-E1.
- ITEM 5. DRAWING ED103, PARTIAL FIRST FLOOR REMOVALS – AREAS C & D
- A. Storage D133. **REVISE** label for existing Panel "PP1" as indicated on attached Sketch AD-E1.
- ITEM 6. DRAWING ED106, PARTIAL THIRD FLOOR REMOVALS – AREAS A & B
- A. Storage B301A. **REVISE** the labeling of existing Panels "PP-1" and PP-2" as indicated on attached Sketch AD-E1.
- ITEM 7. DRAWING E102, PARTIAL FIRST FLOOR – AREAS A/B POWER/SIGNAL
- A. Vestibule B100: **ADD** indication for junction box (HT) and Keyed Note 9 as indicated on attached Sketch AD-E3.
- B. Refer to "Keyed Notes This Drawing," **ADD** Keyed Note 9 as indicated on attached Sketch AD-E3.
- ITEM 8. DRAWING E801, POWER DISTRIBUTION ONE-LINE DIAGRAM
- A. Detail 3/E801 "Existing Power Distribution One-Line Diagram." **REVISE** the labeling for existing Panels "PP-1" and "PP-2" as indicated on attached Sketch AD-E2.
- B. Detail 4/E801, "Revised Power Distribution One-Line Diagram." **REVISE** labeling for Panels "PP-1" and "PP-2" as indicated on attached Sketch AD-E2.
- ITEM 9. DRAWING SS-E001, SYMBOL LISTS, SCHEDULES & DETAILS
- A. **ADD** Computer/Data Workstation Outlet - Type "f," "f/3," "f/4," as indicated on attached Sketch AD-E2SS.

ITEM 10. DRAWING SS-E103, PARTIAL FIRST FLOOR PLAN – AREAS C/D

- A. Main Office C101, Principal C102, Copier C103, Vice Principal C104, Work Room C105, Exam C106, Nurse C107, Attendance Office C112, and Remedial #D114, **PROVIDE** data adds and revisions as indicated on attached Sketch AD-E1SS.

ITEM 11. DRAWING SS-E601, DATA RISER DIAGRAM & DETAILS

- A. Refer to "Data Riser Diagram," **PROVIDE** additions and revisions as indicated on attached Sketch AD-E2SS.

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**BID FORM**

**PLUMBING CONSTRUCTION**

The following proposal is hereby made to:

**GOUVERNEUR CENTRAL SCHOOL DISTRICT**

**STIPULATED AMOUNTS:** The Undersigned hereby proposes and agrees to perform all the work and furnish all things required for:

**SENIOR HIGH SCHOOL**

**RECONSTRUCTION**

all in accordance with the Drawings, Specifications, and other Contract Documents prepared by MARCH Associates, 258 Genesee Street, Suite 300, Utica, NY 13502, for the following stipulated amount.

**BASE BID:**

Cost for Labor and Materials \_\_\_\_\_ \$ \_\_\_\_\_  
*Written* *Figures*

**ALLOWANCE:** The Undersigned has included in the Base Bid the sum of **Ten Thousand Dollars (\$10,000)** in accordance with Section 01 21 00, ALLOWANCES.

**ALTERNATES:** The Undersigned proposes the following additions to the Base Bid for Alternates listed below and subject to conditions of the Contract Documents. Refer to Section 01 23 00, ALTERNATES.

Alternate No. 2: Auditorium HVAC

Added for Labor and Materials \_\_\_\_\_ \$ \_\_\_\_\_  
*Written* *Figures*

Alternate No. 4: Auxiliary Gym Bathrooms

Added for Labor and Materials \_\_\_\_\_ \$ \_\_\_\_\_  
*Written* *Figures*

Alternate No. 6: Coolers

Added for Labor and Materials \_\_\_\_\_ \$ \_\_\_\_\_  
*Written* *Figures*

Alternate No. 8: Third Floor Administrative Suite

Added for Labor and Materials \_\_\_\_\_ \$ \_\_\_\_\_  
*Written* *Figures*

Alternate No. 12: Sloan Flush Valves

Circle One:

Added OR Deducted for Labor and Materials

\_\_\_\_\_ \$ \_\_\_\_\_  
*Written* *Figures*

Alternate No. 13: Gerber Faucets

Circle One:

Added OR Deducted for Labor and Materials

\_\_\_\_\_ \$ \_\_\_\_\_  
*Written* *Figures*

**UNIT PRICES:** The Undersigned proposes the following Unit Prices subject to conditions of the Contract Documents. Refer to Section 01 22 00, UNIT PRICES. These units are the same for work added or deleted, unless noted otherwise.

1. Water Valve Replacement:

Per Installed Valve:	1/2"	\$ _____
	3/4"	\$ _____
	1"	\$ _____
	1-1/4"	\$ _____
	1-1/2"	\$ _____
	2"	\$ _____

2. Water Pipe Replacement:

Per Installed Linear Foot of Pipe with Insulation:	1/2"	\$ _____
	3/4"	\$ _____
	1"	\$ _____
	1-1/2"	\$ _____
	2"	\$ _____

**KNOWLEDGE OF LOCAL CONDITIONS AND CONTRACT DOCUMENTS:** The Undersigned has examined the location of the proposed work, reviewed the Bidding Documents relating to this proposal and the Bidding Documents, and is familiar with local conditions at the place where the Work is to be performed.

**PROPOSAL PERIOD:** The Undersigned agrees to hold the bid open for a forty-five (45) day period following the scheduled time for the opening of Bids.

**EXECUTION OF AGREEMENT AND FURNISHING BOND:** Within ten (10) days after being awarded the Contract, the Undersigned agrees to execute the Form of Agreement and to furnish Performance and Payment Bonds in the amount stated in the Instructions to Bidders.

**ADDENDA:** The Undersigned hereby acknowledges receipt of the following addenda:

No.: \_\_\_\_\_ Date: \_\_\_\_\_  
No.: \_\_\_\_\_ Date: \_\_\_\_\_  
No.: \_\_\_\_\_ Date: \_\_\_\_\_

**CONTRACT TIME:** If awarded the Contract, the Undersigned agrees to complete all construction work under this contract in accordance with Section 01 11 00, Summary of Work.

**OWNER'S RIGHTS RESERVED:** The Undersigned understands that the Owner reserves the right to reject any or all proposals or to waive any formality or technicality in any proposal.

The above proposal is hereby respectfully submitted by:

\_\_\_\_\_  
**COMPANY**

\_\_\_\_\_  
**NAME (SIGNATURE) TITLE**

\_\_\_\_\_  
**NAME (PRINT)**

\_\_\_\_\_  
**BUSINESS ADDRESS**

\_\_\_\_\_  
**CITY STATE ZIP**

\_\_\_\_\_  
**PHONE NUMBER FAX NUMBER**

\_\_\_\_\_  
**EMAIL ADDRESS (FOR PROJECT CONTACT PERSON)**

\_\_\_\_\_  
**DATE FEDERAL EMPLOYER IDENTIFICATION NUMBER**

\* \* \* \* \*



## SECTION 22 05 33

### HEAT TRACING FOR PLUMBING PIPING

#### PART 1 - GENERAL

##### 1.1 SUMMARY

- A. Section includes plumbing piping heat tracing for freeze prevention and snow and ice melting on roofs and in gutters and downspouts with the following electric heating cables:
  - 1. Self-regulating, parallel resistance.

##### 1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
  - 1. Include rated capacities, operating characteristics, and furnished specialties and accessories.
  - 2. Schedule heating capacity, length of cable, spacing, and electrical power requirement for each electric heating cable required.

##### 1.3 CLOSEOUT SUBMITTALS

- A. Operation and Maintenance Data: For electric heating cables to include in operation and maintenance manuals.

##### 1.4 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace electric heating cable that fails in materials or workmanship within specified warranty period.
  - 1. Warranty Period: Five years from date of Substantial Completion.

#### PART 2 - PRODUCTS

##### 2.1 SELF-REGULATING, PARALLEL-RESISTANCE HEATING CABLES

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
  - 1. BriskHeat.
  - 2. Chromalox, Inc.
  - 3. Raychem; a brand of nVent.
  - 4. Thermon Americas Inc.
  - 5. Trasor Corp.
- B. Comply with IEEE 515.1.
- C. Heating Element: Pair of parallel No. 16 AWG, nickel-coated, stranded copper bus wires embedded in crosslinked conductive polymer core, which varies heat output in response to temperature along its length. Terminate with waterproof, factory-assembled, non-heating leads with connectors at one end, and seal the opposite end watertight. Cable shall be capable of crossing over itself once without overheating.
- D. Electrical Insulating Jacket: Flame-retardant polyolefin.
- E. Cable Cover: Tinned-copper braid.
- F. Maximum Operating Temperature (Power On): 150 deg F.

- G. Maximum Exposure Temperature (Power Off): 185 deg F.
- H. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
- I. Capacities and Characteristics:
  - 1. Maximum Heat Output: 5 W/ft..
  - 2. Piping Diameter: NPS 4.
  - 3. Electrical Characteristics for Single-Circuit Connection:
    - a. Volts: 120.
    - b. Phase: 1.
    - c. Hertz: 60.

## **2.2 CONTROLS**

- A. Pipe-Mounted Thermostats for Freeze Protection:
  - 1. Remote bulb unit with adjustable temperature range from 30 to 50 deg F.
  - 2. Snap action; open-on-rise, single-pole switch with minimum current rating adequate for connected cable.
  - 3. Remote bulb on capillary, resistance temperature device, or thermistor for directly sensing pipe-wall temperature.
  - 4. Corrosion-resistant, waterproof control enclosure.
  - 5. Corrosion-proof and waterproof enclosure suitable for outdoor mounting, for controls and precipitation and temperature sensors.
  - 6. Minimum 30-A contactor to energize cable or close other contactors.
  - 7. Precipitation sensor shall be freestanding.

## **2.3 ACCESSORIES**

- A. Cable Installation Accessories: Fiberglass tape, heat-conductive putty, cable ties, silicone end seals and splice kits, and installation clips all furnished by manufacturer, or as recommended in writing by manufacturer.
- B. Warning Labels: Refer to Section 22 05 53 "Identification for Plumbing Piping and Equipment."

## **PART 3 - EXECUTION**

### **3.1 EXAMINATION**

- A. Examine surfaces and substrates to receive electric heating cables for compliance with requirements for installation tolerances and other conditions affecting performance.
  - 1. Ensure surfaces and pipes in contact with electric heating cables are free of burrs and sharp protrusions.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

### **3.2 APPLICATIONS**

- A. Install the following types of electric heating cable for the applications described:
  - 1. Snow- and Ice-Melting in Downspouts: Self-regulating, parallel-resistance heating cable.

### **3.3 INSTALLATION**

- A. Install electric heating cable across expansion, construction, and control joints according to manufacturer's written instructions; use cable-protection conduit and slack cable to allow movement without damage to cable.
- B. Electric Heating-Cable Installation for Downspouts: Install in downspouts with clips furnished by manufacturer that are compatible with downspouts.
- C. Electric Heating-Cable Installation for Freeze Protection for Piping:
  - 1. Install electric heating cables after piping has been tested and before insulation is installed.
  - 2. Install electric heating cables according to IEEE 515.1.
  - 3. Install insulation over piping with electric cables according to Section 220719 "Plumbing Piping Insulation."
  - 4. Install warning tape on piping insulation where piping is equipped with electric heating cables.
- D. Set field-adjustable switches and circuit-breaker trip ranges.

### **3.4 CONNECTIONS**

- A. Ground equipment according to Section 26 05 26 "Grounding and Bonding for Electrical Systems."
- B. Connect wiring according to Section 26 05 19 "Low-Voltage Electrical Power Conductors and Cables."

### **3.5 FIELD QUALITY CONTROL**

- A. Perform the following tests and inspections with the assistance of a factory-authorized service representative:
  - 1. Perform tests after cable installation but before application of coverings such as insulation, wall or ceiling construction, or concrete.
  - 2. Test cables for electrical continuity and insulation integrity before energizing.
  - 3. Test cables to verify rating and power input. Energize and measure voltage and current simultaneously.
- B. Repeat tests for continuity, insulation resistance, and input power after applying thermal insulation on pipe-mounted cables.
- C. Cables will be considered defective if they do not pass tests and inspections.
- D. Prepare test and inspection reports.

### **3.6 PROTECTION**

- A. Protect installed heating cables, including non-heating leads, from damage during construction.
- B. Remove and replace damaged heat-tracing cables.

**END OF SECTION**

## SECTION 22 95 00

### ABOVEGROUND STORAGE TANK REMOVAL

#### PART 1 - GENERAL

##### 1.1 INTRODUCTION

- A. These Specifications are for the removal of aboveground storage tank ("AST") and the restoration of the site.
- B. New York State and United States federal laws require existing petroleum storage tanks permanently out of service to be closed in place or removed. Because of the physical and chemical properties of petroleum products, hazardous conditions may arise during closure in place, removal, and/or disposal. Accordingly, all personnel involved in the procedures outlined in the following Specifications must be knowledgeable regarding the potential hazards and the pertinent health and safety practices required for a safe working environment.
- C. These Specifications were developed in accordance with the requirements and/or recommendations of the following publications:
  - 1. American Petroleum Institute Recommended Practice Publications
  - 2. American Petroleum Institute 2219, Safe Operation of Vacuum Trucks in Petroleum Services
  - 3. NYSDEC Petroleum Bulk Storage Code Regulations 6NYCRR 613.9 (b), Closure of Tanks Permanently Out of Service
  - 4. USEPA Underground Storage Tank Regulations, Subpart G 40 CFR 280.71
  - 5. Occupational Safety and Health Administration, Title 29, Code of Federal Regulations (CFR), Part 1910, *Occupational Safety and Health Standards*
  - 6. NYSDEC Recommended Practices for Aboveground Storage of Petroleum Products

##### 1.2 SCOPE AND PURPOSE

- A. Remove and dispose of one 550-gallon aboveground storage tanks, underground piping, and associated appurtenances at the Project site. Items for removal and disposal shall include:
  - 1. Tank.
  - 2. Aboveground and underground piping.
  - 3. Tank fittings.
  - 4. Provide soil testing for determining fuel contamination in accordance with NYSDEC requirements.
  - 5. Complete and submit the necessary tank removal forms to NYSDEC.
- B. Dispose of tank contents including bottom sediment and removed AST in accordance with applicable NYS and federal regulations.
- C. These Specifications are intended to provide information to complete the task of tank and piping removal in a manner that protects the health and safety of all workers and minimizes adverse impacts on the environment. Specifications address the following issues:
  - 1. Applicable safety regulations.
  - 2. The use of equipment employed in tank removal.
  - 3. Purging tank of liquids, sludges, and explosive vapors.
  - 4. Disposal of liquids and sludges.
  - 5. Transport and disposal of inerted tank.
  - 6. Site restoration.
  - 7. Testing and disposal of contaminated soils.

### 1.3 REMOVAL OF AST

- A. Preparation:
  - 1. Notify Construction Manager 45 days prior to commencing work with a tentative schedule. Owner and Construction Manager shall then formally notify the NYSDEC.
  - 2. Notify Construction Manager at least one week prior to commencing work on site requiring final schedule.
  - 3. Prior to removal of AST, be aware of all site surroundings. The site drawing details the majority of the site obstacles, including but not limited to above and below ground power lines, storm and sanitary sewer piping.
- B. Provide for the removal and disposal of AST as follows:
  - 1. Fuel-oil AST: Remove flowable tank contents from tank. This shall occur prior to removal of tank bottom sediments (presumed to be bottom 6"). (Presumed to be #6 oil sludge.)
  - 2. Remove oil water in and around tank and its excavation and shall dispose of properly.
- C. Drain all piping into tank. Remove all liquids and residues from tank using explosion-proof or air-driven pumps. All pump motors and suction hoses must be bonded to the tank or otherwise grounded to prevent electrostatic ignition of vapors. Use a hand pump if necessary to remove last few inches of product from tank bottom.
- D. Flush each line with water back to tank to ensure that all product has been removed.
- E. Tank bottom sediments must be removed and placed in proper containers for transport. This material shall be properly disposed of in accordance with applicable environmental regulations.
- F. If the tank must be entered to remove bottom sediment, all persons performing work must wear protective clothing and auxiliary air masks. Anyone entering a tank and wearing protective equipment must be properly trained for such work.
- G. Excavate and remove all piping. Vent line should stay in place until after flammable/combustible vapors are purged from tank.
- H. Purging:
  - 1. Remove flammable and combustible vapors from the tank by one of the methods listed below or other approved method. Monitor tank atmosphere and surrounding area often using a combustible gas meter. Vent all vapors from the tank at a minimum of 12' above grade. Keep work area free from sources of ignition.
    - a. Inert gas (Carbon Dioxide (CO<sub>2</sub>) or Nitrogen (N<sub>2</sub>)). This method should not be used if the tank is to be entered for any reason as the tank atmosphere will be oxygen-deficient. Gases should be introduced slowly to prevent static electricity discharges. Pressure within the tank should not exceed 5 pounds per square inch.
    - b. Dry Ice (CO<sub>2</sub>, dry ice): Introduce solid CO<sub>2</sub> into the tank at the ratio of 1.5 lbs per 100 gallons of tank capacity. Spread dry ice evenly over tank bottom and allow to completely evaporate. Plug all tank openings except for the vent.
    - c. Eductor: Vapors may be exhausted from the tank using an eductor-type air mover driven by compressed air. The eductor must be properly grounded to prevent the generation and discharge of static electricity. The drop tube should remain in place to ensure venting at the tank bottom.

2. When purging is complete, test tank interior for explosive vapors using combustible gas meter. Take readings through fill port with drop tube removed. If drop tube cannot be removed, readings must be taken through another unobstructed opening. Readings should be taken at tank bottom, mid-level, and top. Readings must indicate 20 percent or less of the lower explosive level (L.E.L.) before tank can be removed from the ground.
- I. Tank/Piping Removal:
    1. After tank has been purged, remove vent lines and plug all openings. One plug should have an 1/8" vent hole to prevent differential pressure build-up.
    2. Remove tank. Place tank on a firm and level surface, and block to prevent movement.

#### 1.4 TANK DESTRUCTION/DISPOSAL

- A. Tank must be rendered inoperable and cleaned prior to removing from site. Tank shall be destroyed by cutting into pieces on or off site, at the discretion of Construction Manager.
  1. Recheck tank atmospheres for flammable/combustible vapors. If combustible gas meter readings indicate tank is not safe, repeat purging procedures outlined in paragraph 1.3 I until safe conditions are achieved.
  2. Clean tank interior with a high-pressure spray rinse. Water collected from cleaning shall be containerized and disposed of in the same manner as the tank bottom sludge. Do not dispose of wash water on site.
  3. Dispose of all scrap including pipes, fittings, etc., at sanitary landfill or scrap yard. If it is determined that the tank is to be cut into pieces on site, the sizes shall be suitable for disposal as scrap metal.
  4. Tank disposal shall be done in accordance with local, state, and federal regulations. Provide documentation associated with an off-site disposal or steel recycling activities. In addition, if the tank is removed off-site prior to being cut, documentation must be provided to demonstrate the destruction of the tank. Before the tank is removed from the site, the tank atmosphere should be rechecked to ensure that the flammable vapor concentration does not exceed safe levels for transport.

#### 1.5 CONTAMINATED SOIL

- A. As with any AST removal, petroleum-contaminated soil may be encountered during tank removal. Be prepared to excavate and safely stage contaminated soil on site before starting any excavation activities.
  1. Place any contaminated soil encountered on plastic sheeting and cover with same.
  2. Contaminated soil staging area shall be determined by Construction Manager. Provide testing and screening of all excavated soil for the presence of hydrocarbon contamination using an organic vapor analyzer. Determination as to the classification of excavated soils as "clean" or contaminated will be made by the NYSDEC representative present during excavation.
  3. Be prepared to properly dispose of (or contract for) contaminated soil. Any staged soil shall be removed and disposed of in accordance with applicable regulations as one of the following three classifications:
    - a. Petroleum-contaminated soil classified as hazardous waste
    - b. Petroleum-contaminated soil classified as non-hazardous waste
    - c. Non-contaminated soil classified as non-hazardous
    - d. Base bid shall include 25 tons of petroleum-contaminated non-hazardous soil. Note that additional or reduced quantity of soil disposal may be required; see "Unit Prices."
  4. Any soil or groundwater contaminated due to negligence by Division 22 Contractor during the cleaning and/or removal of the tank and all associated appurtenances shall be the responsibility of Division 22 Contractor to remove and

dispose of in accordance with applicable regulations at the expense of Division 22 Contractor.

#### **1.6 SUBMITTALS**

- A. Supply the Construction Manager with a copy of the tentative work schedule and a list of all subcontractors performing the work a minimum of 45 days in advance of the tank removal.
- B. Supply the Construction Manager with copies of the NYSDEC permit for the waste hauler and disposal location. Also supply the Construction Manager with copies of the signed manifest if contaminated soils need to be removed as hazardous waste.
- C. Submit copies of the landfill waste receipts and manifest documents. This includes paperwork demonstrating proper off-site disposal of all scrap metal, tank, soil, and other material associated with the tank removal.

#### **1.7 SITE RESTORATION**

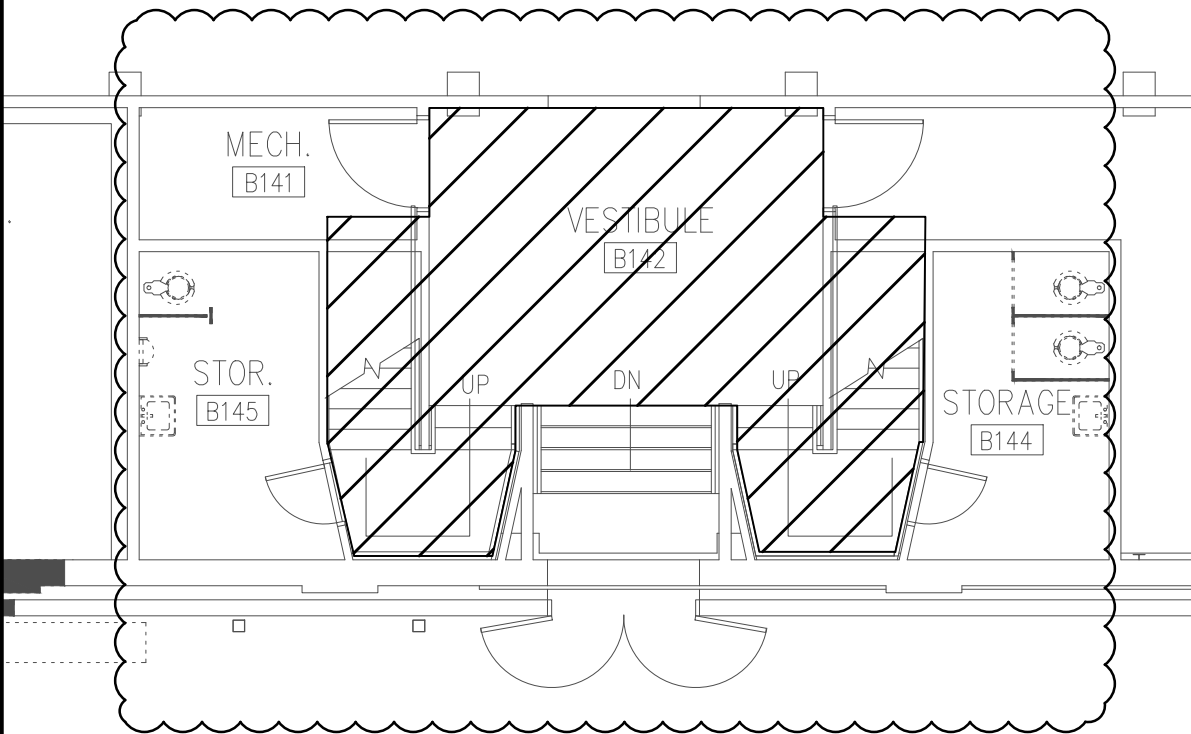
- A. After removal of the AST and containment dike, the open tank pit shall be backfilled, paved/seeded in accordance with Division 2 and Division 31 Specifications so that the area is returned to the pre-excavated status.
- B. The tank pit excavation size is designated as the outline of AST plus 2' on each side. Additional excavation (which may be required due to environmental concerns) is defined as the area beyond the tank pit excavation. Backfill is needed for the area of the tank pit excavation. Additional backfill may be required for the area beyond the tank pit excavation.

**PART 2 - PRODUCTS (Not Used)**

**PART 3 - EXECUTION (Not Used)**

**END OF SECTION**

VINYL ASBESTOS FLOOR TILE AND MASTIC REMOVAL  
IN THESE SPACES INCLUDED IN ALTERNATE 4.



GOUVERNEUR CENTRAL SCHOOL DISTRICT

RECONSTRUCTION  
SENIOR HIGH SCHOOL  
GOUVERNEUR, NEW YORK

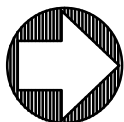
SED CONTROL NO. 51-11-01-06-0-007-011

DATE 02-28-2018

BY RCT

PROJ NO. 1537

SKETCH

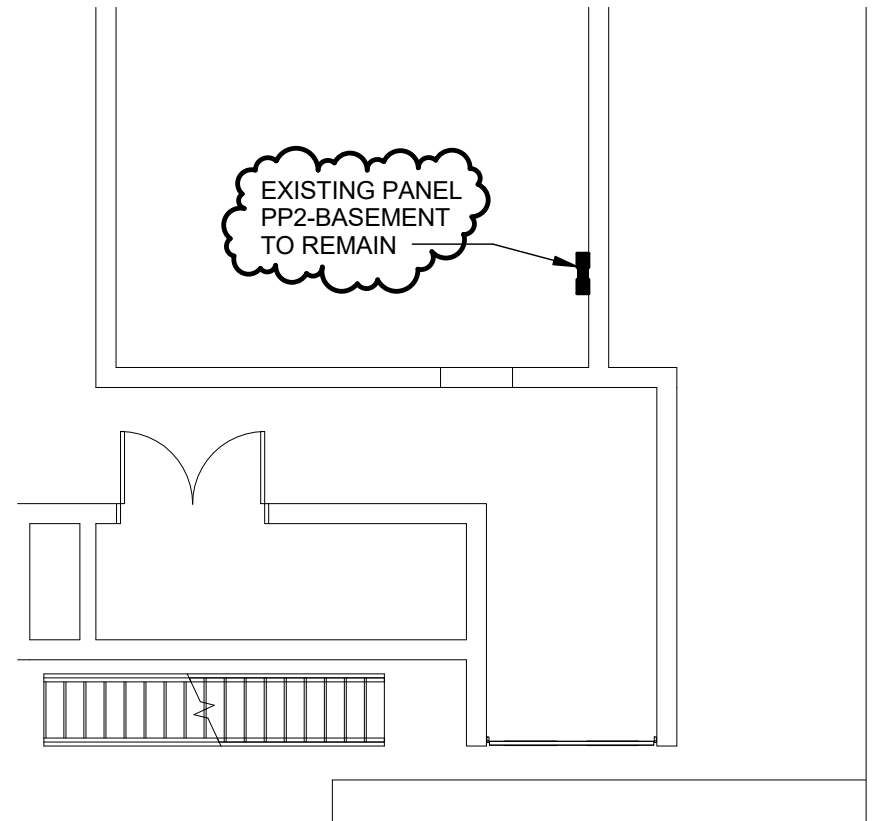


FIRST FLOOR PLAN

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

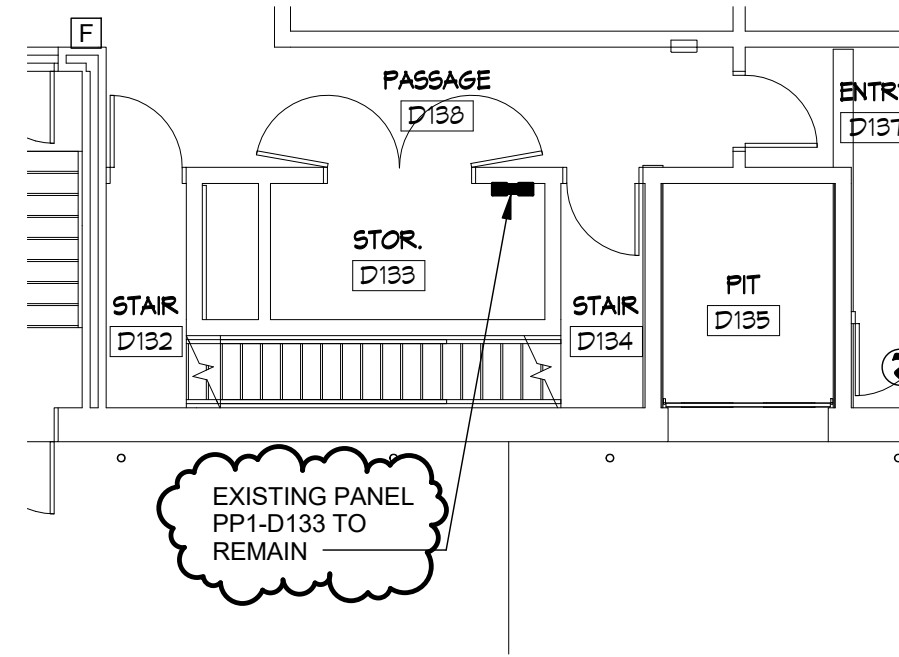
AD-AR1





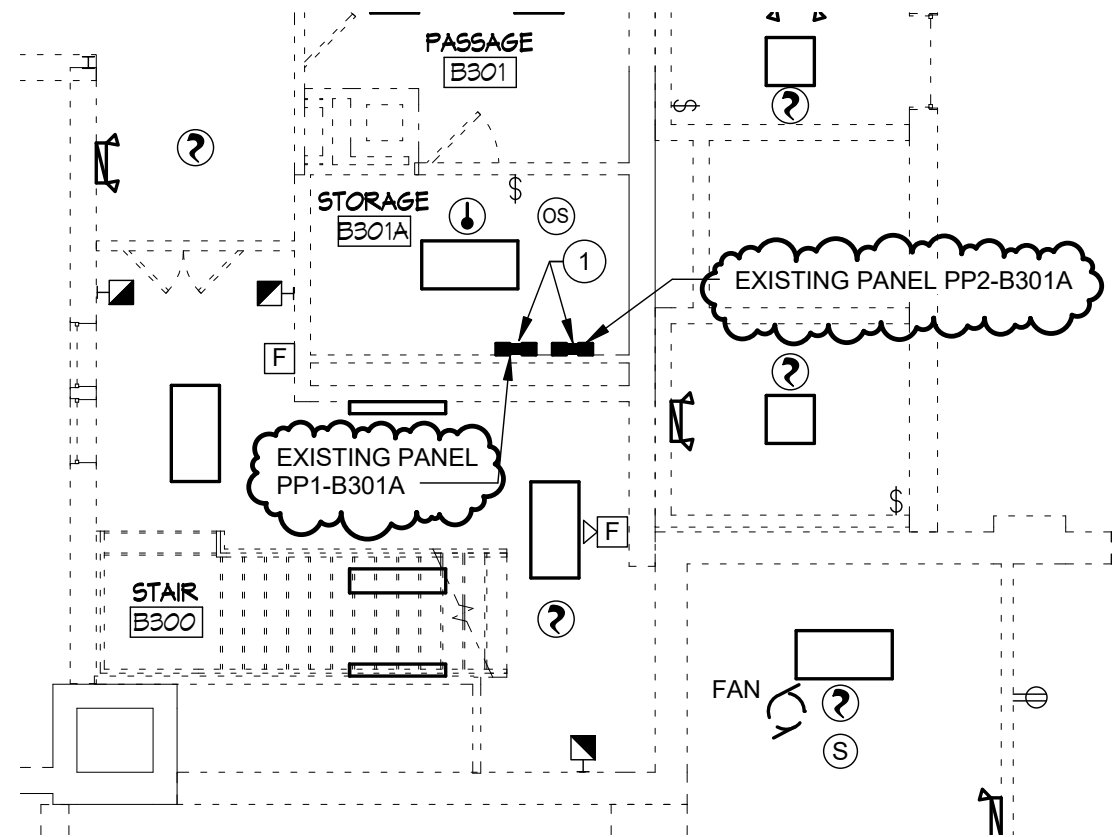
1 PARTIAL BASEMENT REMOVALS PLAN - EAST  
 1/8" = 1'-0"

REF. DWG: ED101



2 PARTIAL FIRST FLOOR REMOVALS PLAN - AREAS C & D  
 1/8" = 1'-0"

REF. DWG: ED103

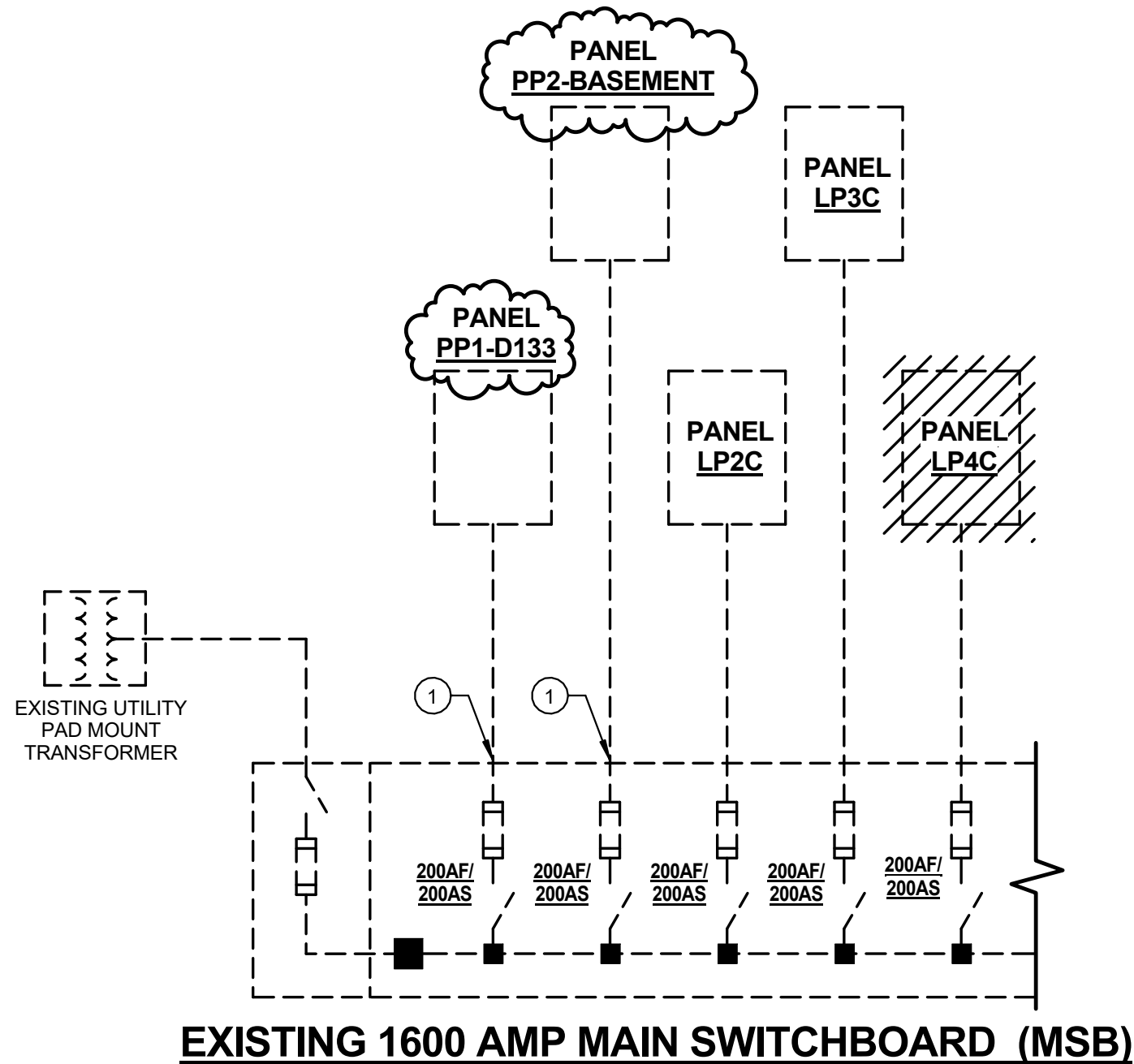


3 PARTIAL THIRD FLOOR REMOVALS PLAN - AREAS A & B  
 1/8" = 1'-0"

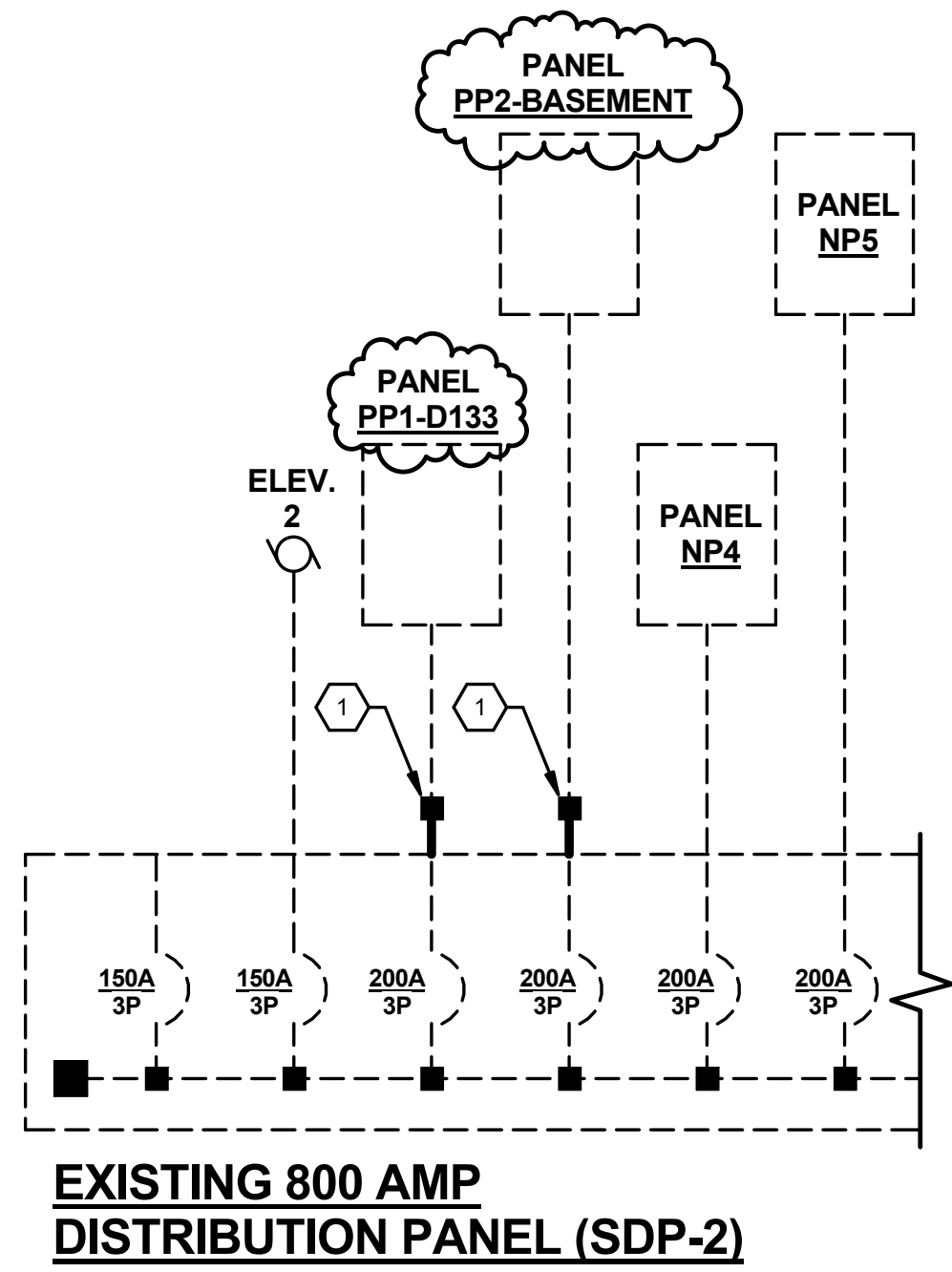
REF. DWG: ED106

GOUVERNEUR CENTRAL SCHOOL DISTRICT  
 RECONSTRUCTION  
 SENIOR HIGH SCHOOL  
 GOUVERNEUR, NY  
 SED CONTROL NO. 51-11-01-06-0-007-011

DATE	03/07/19
BY	DHF/FJR
PROJ NO.	1537
SKETCH	ADDENDUM 2
	<b>AD-E1</b>
	ED101, ED103 & ED106
REF. DWG:	



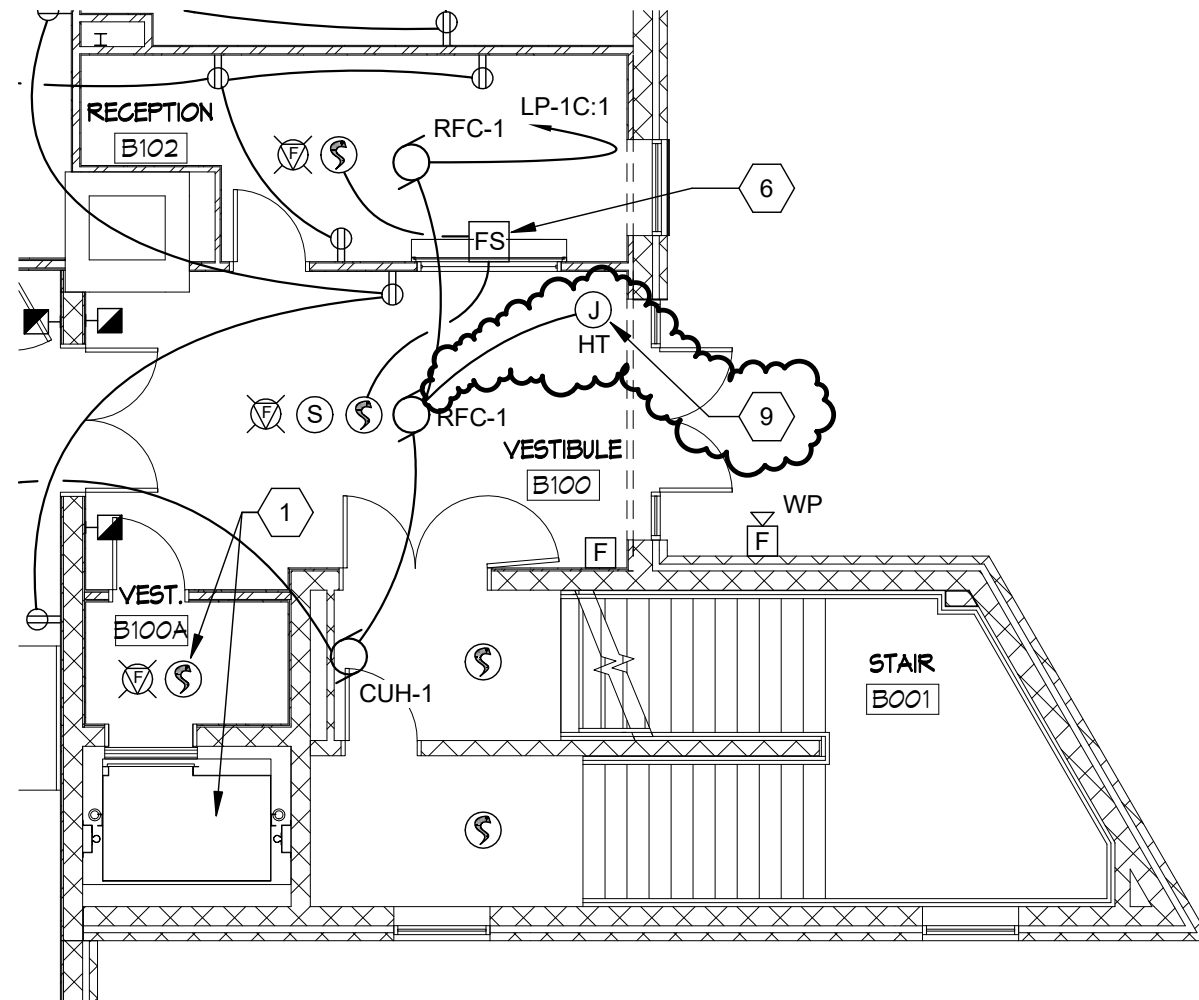
1 EXISTING POWER DISTRIBUTION ONE-LINE DIAGRAM  
 12" = 1'-0"



2 REVISED POWER DISTRIBUTION ONE-LINE DIAGRAM  
 12" = 1'-0"

GOUVERNEUR CENTRAL SCHOOL DISTRICT  
 RECONSTRUCTION  
 SENIOR HIGH SCHOOL  
 GOUVERNEUR, NY  
 SED CONTROL NO. 51-11-01-06-0-007-011

DATE	03/07/19
BY	DHF/FJR
PROJ NO.	1537
SKETCH	ADDENDUM 2
	<b>AD-E2</b>
REF. DWG.:	E801



1 PARTIAL FIRST FLOOR PLAN  
 1/8" = 1'-0"

### KEYED NOTES: THIS DRAWING

- 1 REFER TO ELEVATOR DETAIL ON DRAWING E001 FOR ADDITIONAL INFORMATION.
- 2 EXISTING PANEL LP-1C, PROVIDE FOUR 20A-1P CIRCUIT BREAKERS TO MATCH EXISTING CIRCUIT BREAKERS.
- 3 EXISTING PANEL LP-1E, PROVIDE FIVE 20A-1P CIRCUIT BREAKERS TO MATCH EXISTING CIRCUIT BREAKERS.
- 4 EXISTING PANEL NP4, PROVIDE NINE 20A-1P CIRCUIT BREAKERS TO MATCH EXISTING CIRCUIT BREAKERS.
- 5 MOUNT OUTLETS INDICATED AT THIS ROOM AT 48" AFF, UNLESS OTHERWISE INDICATED.
- 6 FIRE SHUTTER. PROVIDE FIRE ALARM CIRCUITING TO FIRE SHUTTER FROM FIRE ALARM PANEL VIA AUXILIARY CONTACTS AT ADJACENT SMOKE DETECTORS.
- 7 PROVIDE FIRE ALARM DEVICE AS PART OF ALTERNATE #4 ONLY.
- 8 FIRE ALARM DEVICES IN THIS ROOM ARE BASE BID.
- 9 JUNCTION BOX FOR CONNECTION TO HEAT TRACE, COORDINATE EXACT LOCATION WITH DIV. 22 CONTRACTOR PRIOR TO ROUGH-IN.

GOUVERNEUR CENTRAL SCHOOL DISTRICT  
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DATE  
 03/07/19

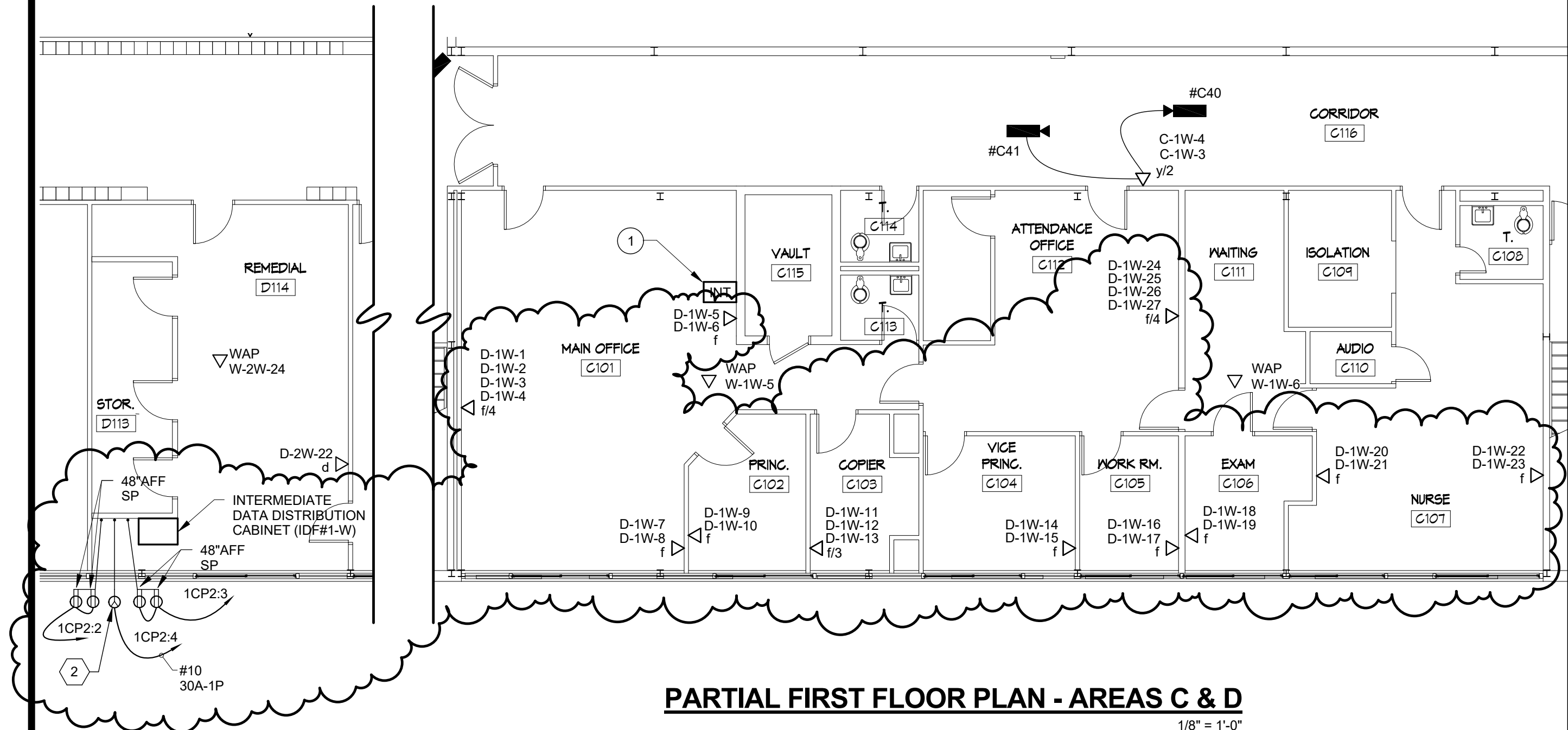
BY  
 DHF/FJR

PROJ NO.  
 1537

SKETCH  
 ADDENDUM 2

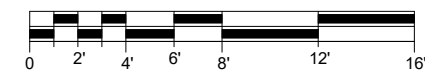
AD-E3

REF. DWG.: E102



**PARTIAL FIRST FLOOR PLAN - AREAS C & D**

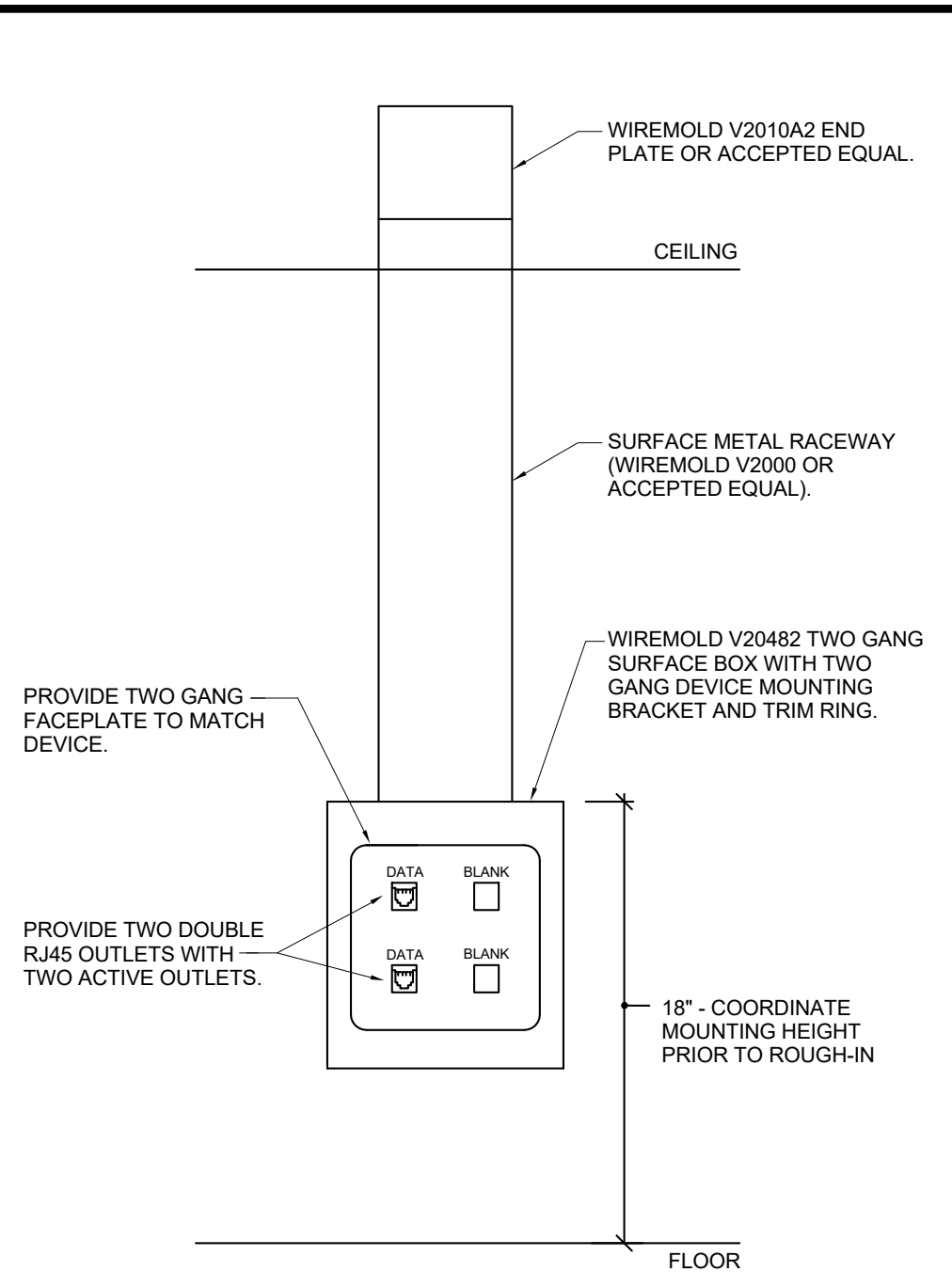
1/8" = 1'-0"



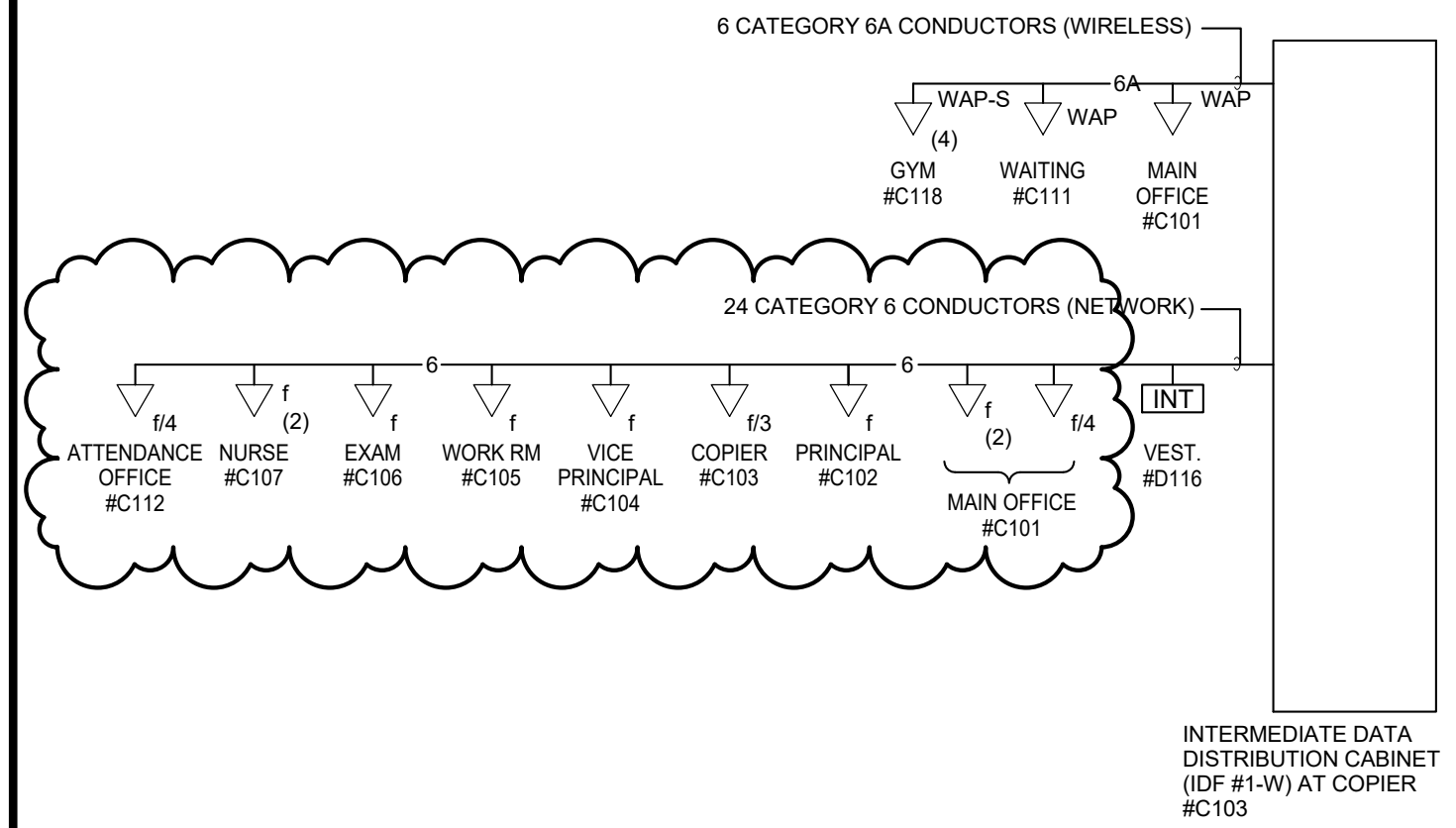
GOUVERNEUR CENTRAL SCHOOL DISTRICT  
 SMART BONDS PROJECT  
 SENIOR HIGH SCHOOL  
 GOUVERNEUR, NY  
 SED CONTROL NO. 51-11-01-06-7-999-001 SED REVIEW NO. 17-0743

DATE	03/05/19
BY	AKM/FJR
PROJ NO.	1537
SKETCH	ADDENDUM 2
<b>AD-E1SS</b>	
REF. DWG.:	SS-E103

GOUVERNEUR CENTRAL SCHOOL DISTRICT  
 SMART BONDS PROJECT  
 SENIOR HIGH SCHOOL  
 GOUVERNEUR, NY  
 SED CONTROL NO. 51-1-1-01-06-7-999-001 SED REVIEW NO. 17-0743



**NOTE:**  
 A. AT OUTLETS NOTED f/3 PROVIDE THREE WIRED RJ45 OUTLETS;  
 AT OUTLETS NOTED f/4 PROVIDE FOUR WIRED RJ45 OUTLETS.

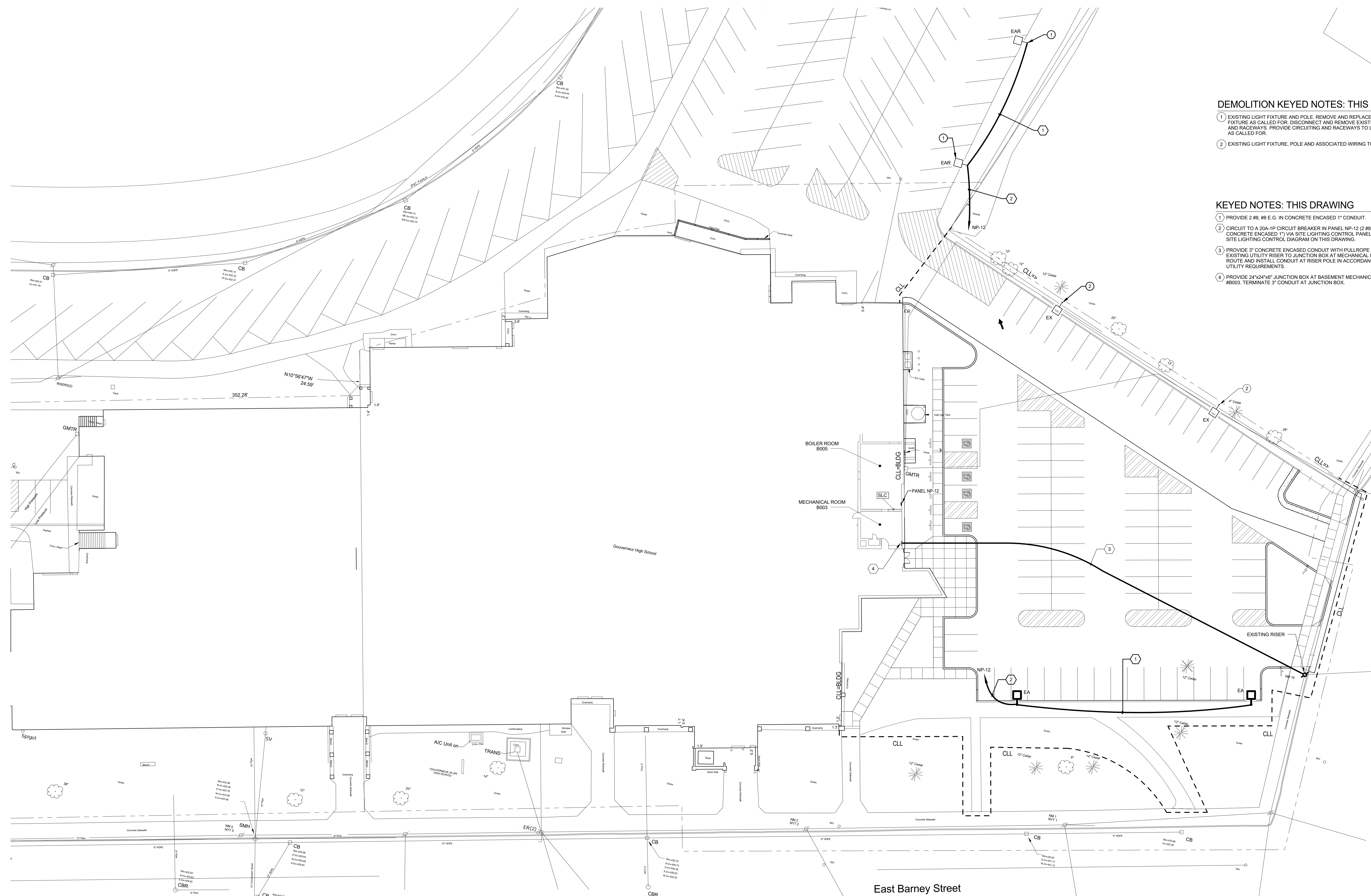


**PARTIAL DATA RISER DIAGRAM**

NOT TO SCALE

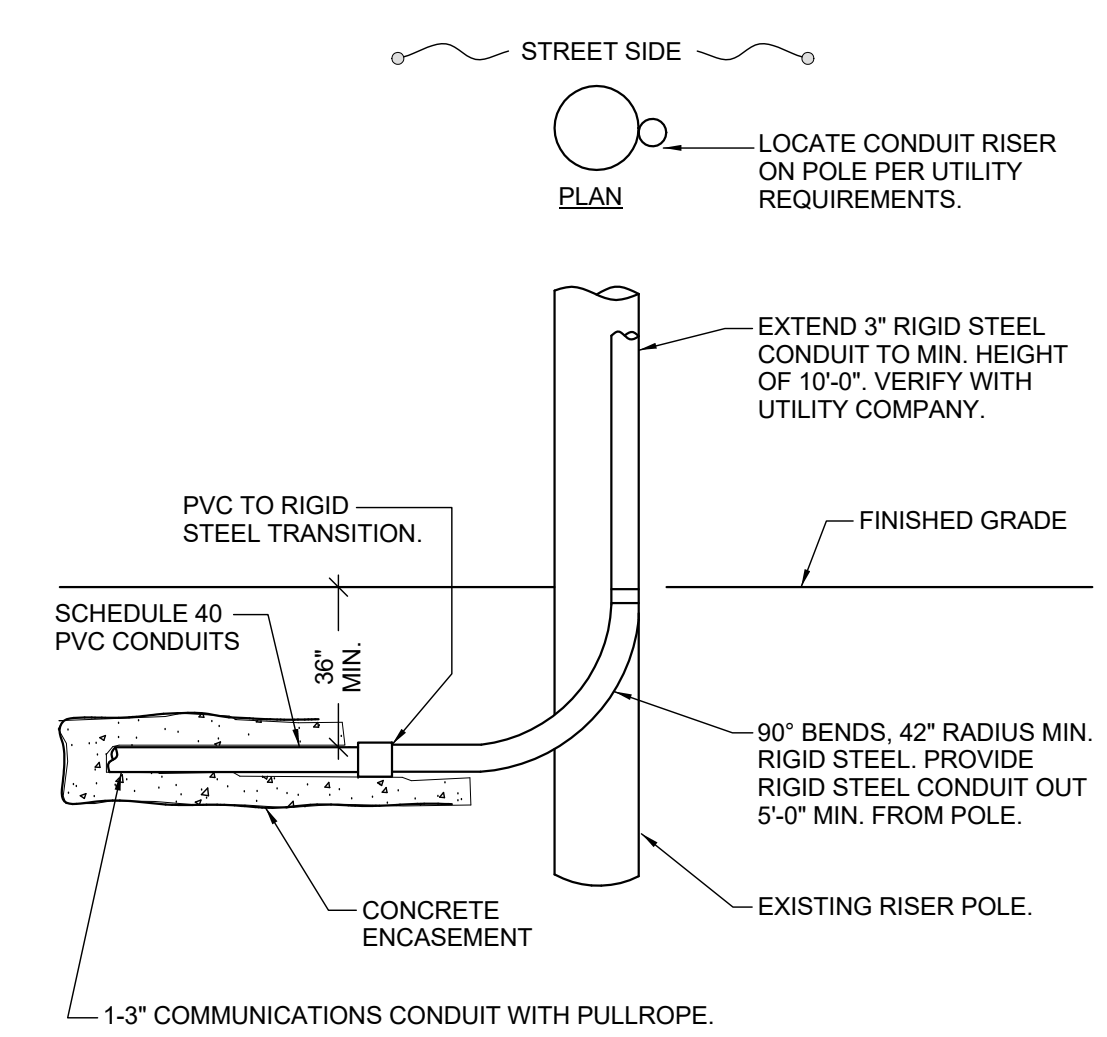
D1	COMPUTER / DATA WORKSTATION OUTLET - TYPE "f", "f/3", "f/4"
NO SCALE	

DATE	03/05/19
BY	AKM/FJR
PROJ NO.	1537
SKETCH	ADDENDUM 2
<b>AD-E2SS</b>	
SS-E001 REF. DWG.: SS-E601	

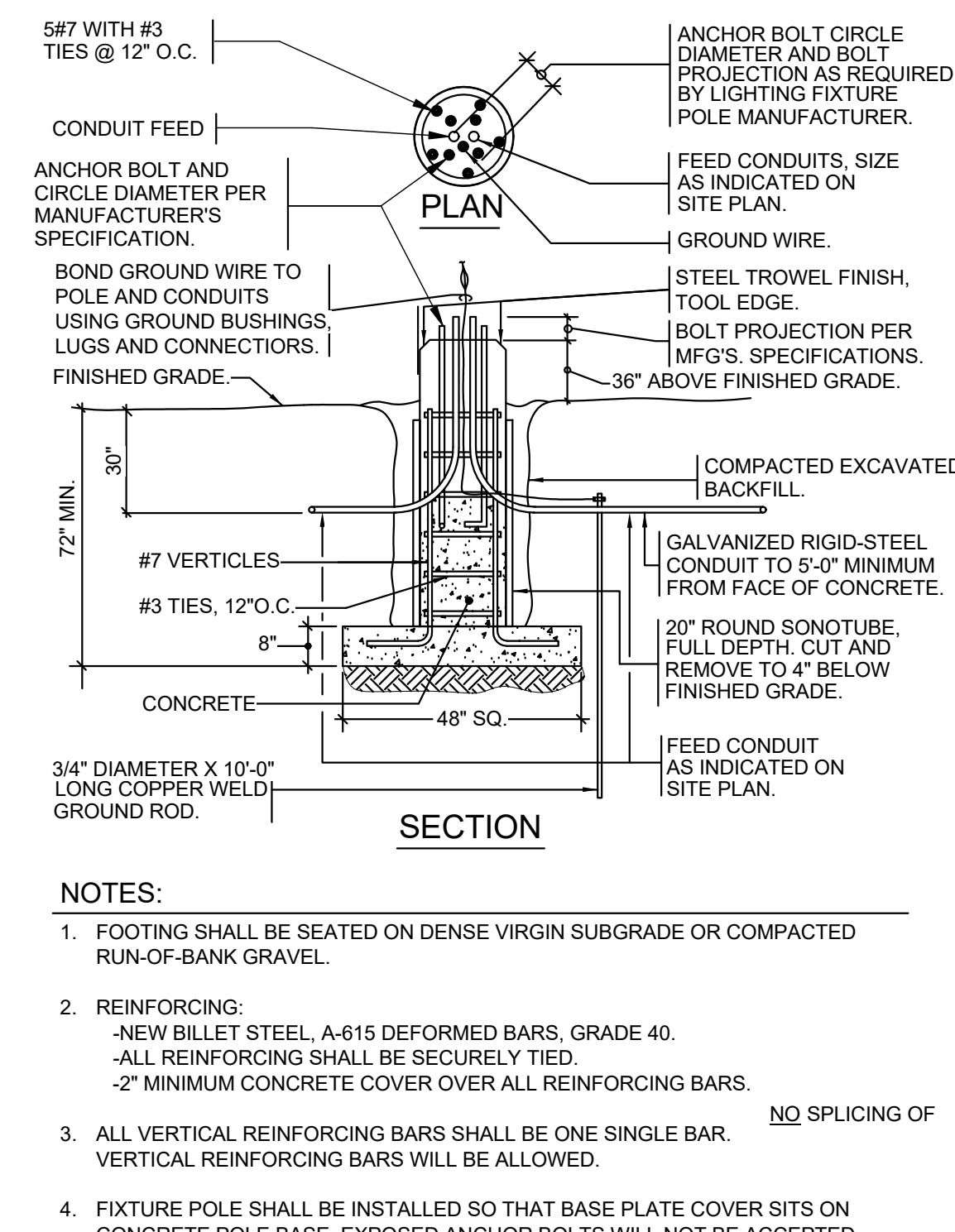


1 SITE PLAN  
SCALE: 1" = 20'-0"

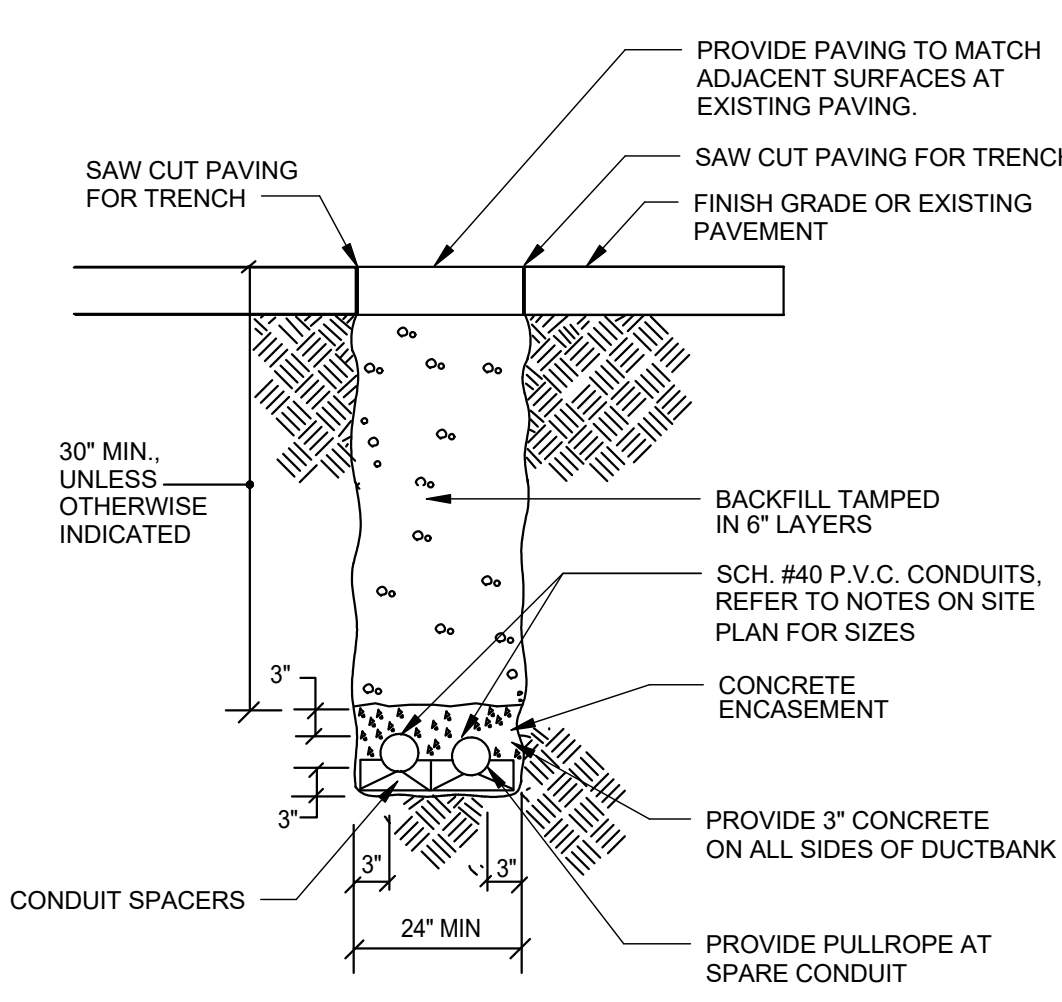
5 COMMUNICATIONS CONDUIT AT RISER POLE DETAIL  
SCALE: NOT TO SCALE



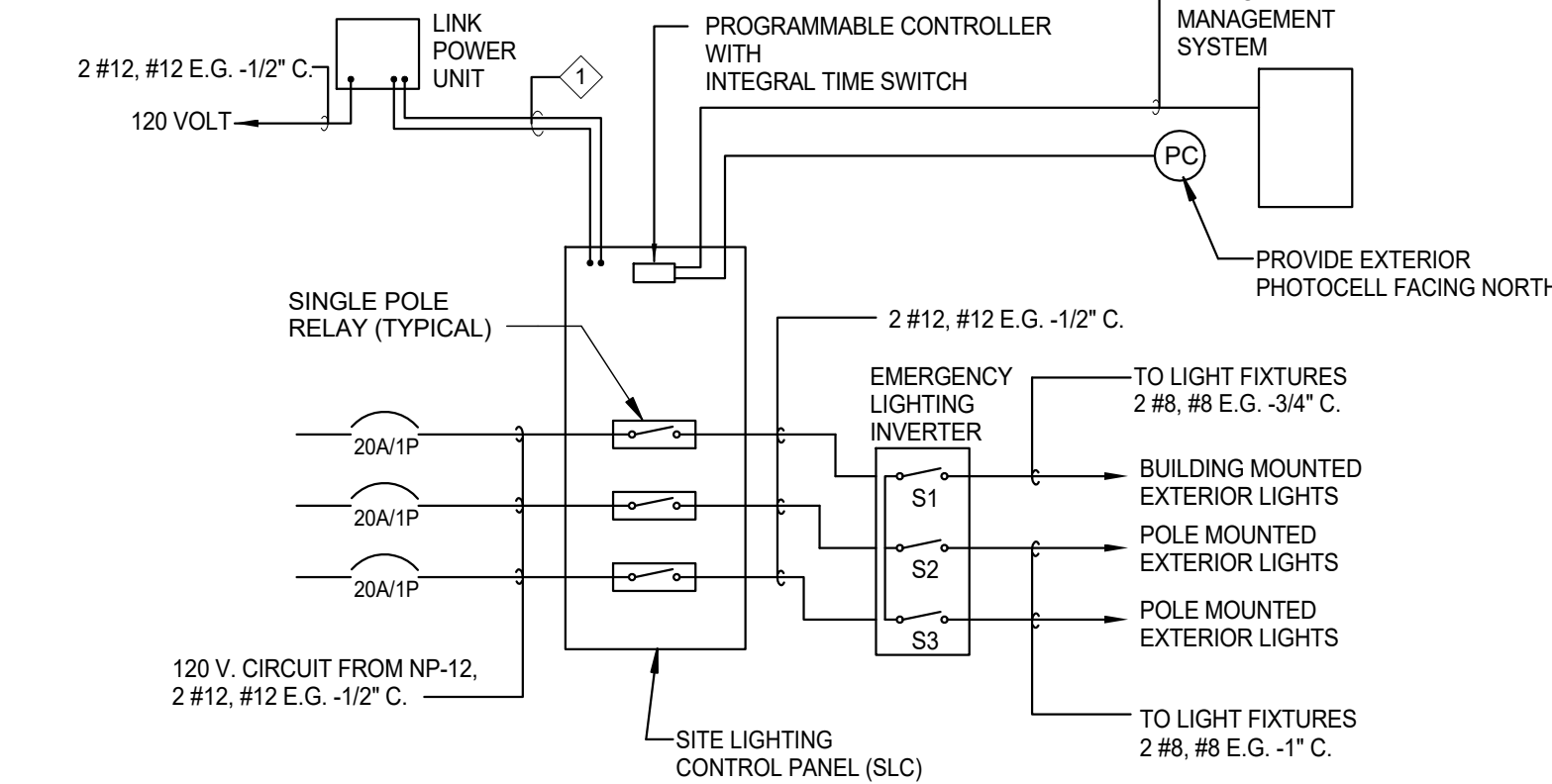
2 SITE POLE BASE DETAIL - TYPE "EA"  
SCALE: NOT TO SCALE



3 SITE DUCTBANK DETAIL  
SCALE: NOT TO SCALE



4 SITE LIGHTING CONTROL DIAGRAM  
SCALE: NOT TO SCALE



**DEMOLITION KEYED NOTES: THIS DWG.**

- EXISTING LIGHT FIXTURE AND POLE REMOVE AND REPLACE EXISTING FIXTURE AS CALLED FOR. DISCONNECT AND REMOVE EXISTING CIRCUITING AND RACEWAYS. PROVIDE CIRCUITING AND RACEWAYS TO LIGHT FIXTURE AS CALLED FOR.
- EXISTING LIGHT FIXTURE, POLE AND ASSOCIATED WIRING TO REMAIN AS IS.

**KEYED NOTES: THIS DRAWING**

- PROVIDE 2 #8, #8 E.G. IN CONCRETE ENCASED 1" CONDUIT.
- CIRCUIT TO A 20A-1P CIRCUIT BREAKER IN PANEL NP-12 (2 #8, #8 E.G. IN CONCRETE ENCASED 1" VIA SITE LIGHTING CONTROL PANEL. REFER TO SITE LIGHTING CONTROL DIAGRAM ON THIS DRAWING).
- PROVIDE 3" CONCRETE ENCASED CONDUIT WITH PULLROPE FROM EXISTING UTILITY RISER TO JUNCTION BOX AT MECHANICAL ROOM #B003. ROUTE AND INSTALL CONDUIT AT RISER POLE IN ACCORDANCE WITH UTILITY REQUIREMENTS.
- PROVIDE 2 1/2" x 2 1/2" x 1/2" JUNCTION BOX AT BASEMENT MECHANICAL ROOM #B003. TERMINATE 3" CONDUIT AT JUNCTION BOX.

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REGISTERED PROFESSIONAL ARCHITECT  
NEW YORK STATE REG. NO. 10000

**SACK & ASSOCIATES**  
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Geneva, NY 14456  
Tel 315-471-4013  
Fax 315-471-4044  
1907

**GOVERNEUR CENTRAL SCHOOL DISTRICT  
RECONSTRUCTION  
SENIOR HIGH SCHOOL**  
GOVERNEUR, NY  
SED CONTROL NO. 5-1-11-01-06-0-007-011

NO.	DESCRIPTION	BY	DATE
1	ADDDCH 2	J.R.	5/8/2018
REVISIONS			
			FEBRUARY 1, 2019
DRAWN BY		DHF	
CHECKED BY		J.R.	
SCALE		AS INDICATED	
PROJECT NO.		19571	
DRAWING TITLE			
SITE PLAN			
DRAWING NO.			
E010			